LeRoy Craig Jerome Center

Jerome, Idaho

for the

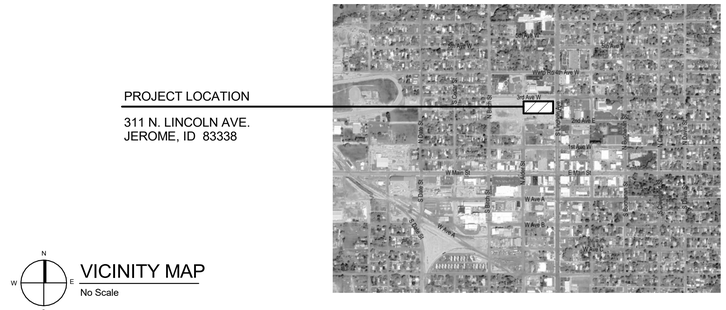
College of Southern Idaho

BID SET

10/28/2024

PROJECT NO. 2112

Vicinity Map



Sheet Schedule

A0.0 COVER SHEET

CIVIL

SC1.1 TOPOGRAPHICAL SURVEY
SD2.0 DEMOLITION PLAN
SD3.0 LAYOUT PLAN
SD3.5 LAYOUT DETAILS
SD3.6 LAYOUT DETAILS
SD3.7 LAYOUT DETAILS
SD3.8 LAYOUT DETAILS
SD4.0 MATERIAL, STRIPING & SIGNAGE PLAN
SD4.5 MATERIAL, STRIPING & SIGNAGE DETAILS
SD5.0 GRADING AND DRAINAGE PLAN
SD5.5 GRADING AND DRAINAGE DETAILS
SD6.0 EROSION AND SEDIMENT CONTROL PLAN
SD6.5 EROSION AND SEDIMENT CONTROL DETAILS
SD7.0 UTILITY PLAN
SL1.0 LANDSCAPE PLAN
SL1.5 LANDSCAPE DETAILS
SL2.0 IRRIGATION PLAN
SL2.5 IRRIGATION DETAILS
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SL2.7 IRRIGATION DETAILS

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A3.3 ENLARGED FLOOR PLANS
A3.4 ENLARGED FLOOR PLANS
A3.5 ENLARGED FLOOR PLANS
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A4.2 DOOR SCHEDULE
A4.3 FRAME TYPES
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A7.4 WALL SECTIONS
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A7.9 WALL SECTIONS
A8.1 WALL TYPES / DETAILS
A8.2 ARCHITECTURAL DETAILS
A8.3 ARCHITECTURAL DETAILS
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A8.5 WINDOW DETAILS
A8.6 WINDOW DETAILS
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A9.1 INTERIOR ELEVATIONS
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FS301 EQUIPMENT ELECTRICAL ROUGH-INS
FS401 EQUIPMENT EQUIPMENT SPECIAL CONDITIONS
FS501 EQUIPMENT ELEVATIONS 1-2
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SD7.0 UTILITY PLAN
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SL2.6 IRRIGATION DETAILS
SL2.7 IRRIGATION DETAILS

MECHANICAL

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ELECTRICAL

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E0.2 LIGHTING PHOTOMETRICS
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E2.1 ENLARGED LAB 2 POWER PLAN
E3.0 MECHANICAL POWER PLAN
E3.1 ROOF MECHANICAL POWER PLAN
E4.0 SPECIAL SYSTEMS PLAN
E5.0 ACCESS CONTROL PLAN
E6.0 ONE-LINE DIAGRAM
E6.1 PANEL SCHEDULES
E7.0 ELECTRICAL DETAILS
E7.1 ELECTRICAL DETAILS
E7.2 ELECTRICAL DETAILS
E7.3 ELECTRICAL DETAILS
E7.4 ELECTRICAL DETAILS
E8.0 LIGHTING DETAILS
ES1.0 SITE LIGHTING PLAN
ES1.1 SITE PHOTOMETRIC PLAN
ES2.0 SITE ELECTRICAL PLAN
ES2.1 SITE ELECTRICAL DETAILS
ES3.0 SITE ELECTRICAL DETAILS

Project Team

OWNER

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Twin Falls, ID 83303

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Interior Designer
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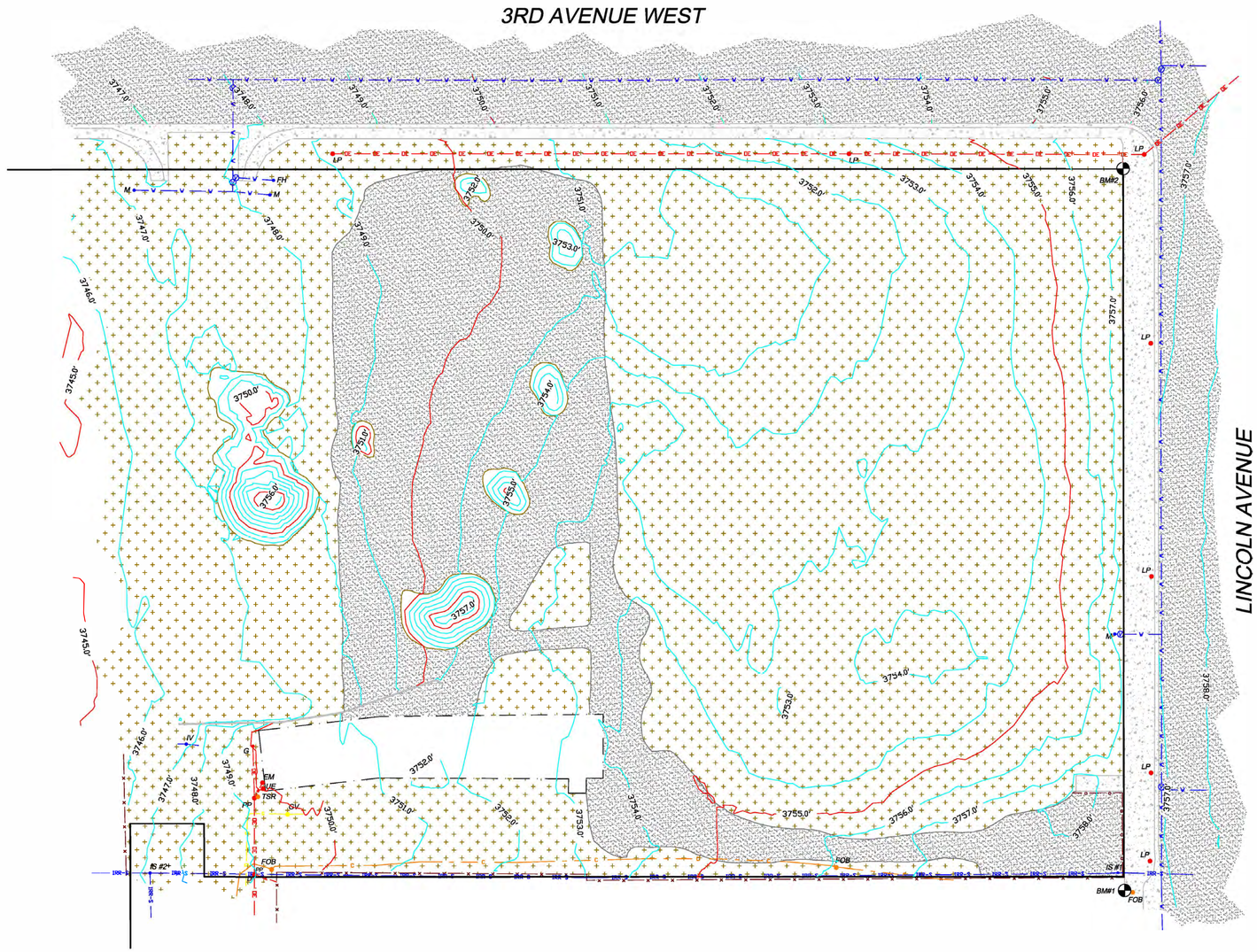
westondesign14@gmail.com

COVER SHEET



0 30 60

SCALE 1" = 30'

BENCHMARK INFORMATION

BM#1 SQUARE CHISELED IN CONCRETE
NORTHING: 9618.53'
EASTING: 9955.78'
ELEVATION: 3757.25'

BM#2 ½" REBAR W/ ORANGE PLASTIC CAP
NORTHING: 9980.07'
EASTING: 9955.05'
ELEVATION: 3756.94'

SANITARY SEWER MANHOLES

SSMH #1 Lid Elevation = 3756.34'
10"? Invert In From East
Elevation = 3747.64'
10"? Invert Out to West
Elevation = 3747.64'

SSMH #2 Lid Elevation = 3746.82'
10"? Invert In From East
Elevation = 3738.92'
10"? Invert Out to West
Elevation = 3738.92'

IRRIGATION STRUCTURE

IS #1 Lid Elevation = 3757.44'
12" Concrete Pipe Invert Out to West
Elevation = 3755.59'

IS #2 Lid Elevation = 3747.84'
12" Concrete Pipe Invert In From East
Elevation = 3745.74'

LEGEND

- BENCH MARK ESTABLISHED AS NOTED.
- PROPERTY BOUNDARY LINE
- UE — UE — UNDERGROUND ELECTRICAL LINE
- OE — OE — OVERHEAD ELECTRICAL LINE
- W — W — BURIED DOMESTIC WATER LINE
- IRR-S — IRR-S — BURIED IRRIGATION WATER LINE
- G — G — UNDERGROUND GAS LINE
- C — C — UNDERGROUND FIBER OPTIC LINE
- EDGE OF GRAVEL
- BUILDING
- CHAIN LINK FENCE
- METAL PIPE FENCE
- V WATER VALVE
- M WATER METER
- FH FIRE HYDRANT
- IS IRRIGATION STRUCTURE
- ICV IRRIGATION CONTROL VALVE
- IV IRRIGATION VALVES (ABANDONED PUMP STATION)
- S SANITARY SEWER MANHOLE
- PP POWER POLE
- LP LIGHT POLE
- G GUY ANCHOR
- EM ELECTRICAL METER
- UE UNDERGROUND ELECTRICAL CONDUIT
- TSR TELEPHONE SERVICE RISER
- FOB FIBER OPTIC BOX
- GV GAS VAULVE
- GRAVEL / DIRT AREAS
- CONCRETE
- ASPHALT (BROKEN & CRACKED)

UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITY LOCATES WERE PERFORMED BY IDAHO DIG LINE UTILITY LOCATES BY MARCH 15, 2023. MARKINGS BY SAID UTILITY LOCATE COMPANIES ARE SHOWN HEREON.
Information from the sources checked above was combined with observed evidence of utilities to develop a view of the underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. In addition, in some jurisdictions, Idaho Dig Line utility locate requests from surveyors may be ignored or result in an incomplete response. Where additional or more detailed information is required, the client is advised that excavation may be necessary.

The following companies were contacted by Idaho DigLine:
CableOne: No Response
CenturyLink: No Response
City of Jerome: Water & Sewer Markings Shown Hereon
Fatbeam: Paint On Site Saying No Fatbeam
Idaho Power: Paint On Site Saying No Idaho Power
Intermountain Gas: Markings Shown Hereon
Project Mutual Telephone: FiberOptic Markings Shown Hereon
TDS Telecom: Paint On Site Saying No TDS
Tilson Technology: No Response

VERTICAL DATUM NOTE

The Vertical Datum used on this project is NAVD88.
Elevation Benchmark Utilized: F 3402
PID: NV0467
Elevation: 3764.44'

SECTION 13
T. 8 S., R. 16 E., B.M.
JEROME COUNTY, IDAHO

LIMITED TOPOGRAPHIC SURVEY
for
BRECKON LAND DESIGN

JON BRECKON
JEROME CSI SITE

DESERT WEST LAND SURVEYS, P.C.

2020 OVERLAND AVENUE BURLEY, IDAHO 83318 208-678-7112

JOB NO: 15647-23C1 DRAWN BY: B. Martin
DATE: MARCH 16, 2023 © Desert West Land Surveys, P.C.

PROFESSIONAL LAND SURVEYOR
LICENSED
MARCH 16, 2023
15351
STATE OF IDAHO
TREVOR REND

SC1.1

811
Know what's below. Call before you dig.
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

CSI LEROY CRAIG JEROME CENTER

LOCATED IN THE SE $\frac{1}{4}$ CORNER OF THE OF THE SE 1/4 OF SECTION 13,
TOWNSHIP 8 SOUTH, RANGE 16 EAST, BOISE MERIDIAN
JEROME COUNTY, IDAHO
2024

CONTACTS

PLANNING AND ZONING:
CITY OF JEROME PLANNING AND DEVELOPMENT SERVICES
PHONE: 208-644-2750

SEWER:
CITY OF JEROME PUBLIC WORKS
PHONE: 208-324-9669

WATER:
JEROME WATER DEPARTMENT
PHONE: 208324-8189

POWER:
IDAHO POWER
PHONE: 208-388-6320

GAS
INTERMOUNTAIN GAS COMPANY
PHONE: 208-377-6863

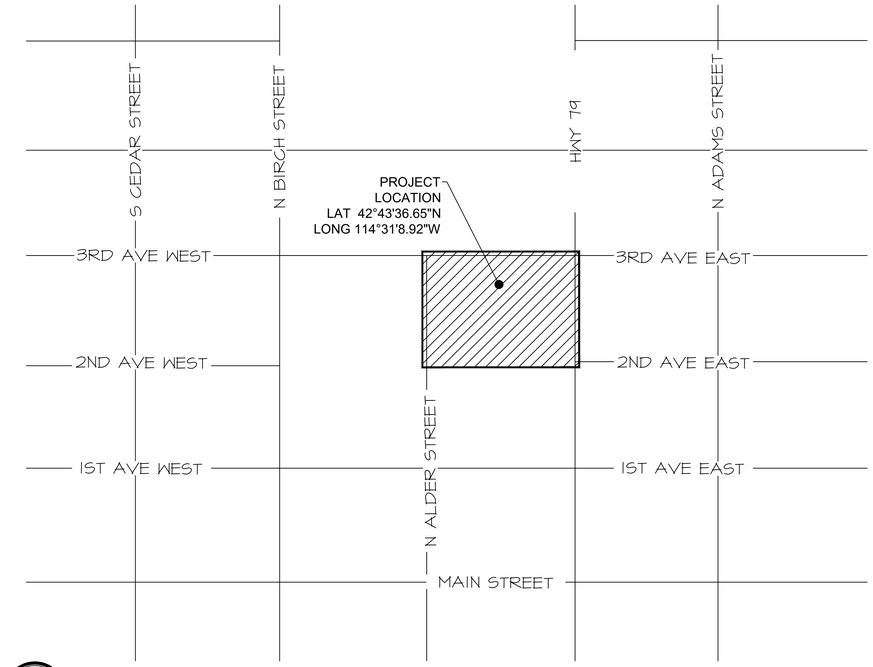
PHONE:
CENTURY LINK
PHONE: 208-385-2144

CABLE:
SPARKLIGHT
PHONE: 208-375-8288

HEALTH AUTHORITY:
CENTRAL DISTRICT HEALTH DEPARTMENT
PHONE: 208-375-5211

SURVEYOR:
DESERT WEST LAND SURVEYS
PHONE: 208-678-7112

LANDSCAPE ARCHITECT/CIVIL ENGINEER:
BRECKON LAND DESIGN
PHONE: 208-376-5153



VICINITY MAP
NOT TO SCALE

CAUTION NOTICE

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ALL EXISTING CONDITIONS AND STRUCTURES, NOT SPECIFICALLY NOTED FOR REMOVAL, SHALL BE RETAINED AND PROTECTED. EXISTING CONDITIONS AND STRUCTURES THAT ARE DAMAGED DURING THE COURSE OF CONSTRUCTIONS SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE REQUIRED AND RESPONSIBLE TO POTHOLE FOR ALL EXISTING UTILITIES TO VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION AND EXCAVATION ACTIVITIES.

PROJECT GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR REQUIREMENTS OF THE CITY PUBLIC WORKS DEPARTMENT, AND/OR THE COUNTY HIGHWAY DISTRICT.
2. ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
3. ALL MATERIALS FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCIES OR AS SET FORTH HEREIN, WHICHEVER IS MORE RESTRICTIVE.
4. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
5. CONTRACTOR SHALL INFORM BRECKON LAND DESIGN OF ANY UTILITY SIZE OR LOCATION DISCREPANCIES PRIOR TO CONSTRUCTION.
6. ALL CONTRACTORS WORKING WITHIN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO SECURE A RIGHT-OF-WAY CONSTRUCTION PERMIT FROM THE GOVERNING AGENCY A MINIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION.
7. ONLY PLAN SETS STAMPED "APPROVED FOR CONSTRUCTION" AND SIGNED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE SHALL BE USED BY THE PROJECT CONTRACTOR(S). USE OF ANY PLANS ON THE JOB WITHOUT THE "APPROVED FOR CONSTRUCTION" STAMP SHALL BE GROUNDS FOR THE ISSUANCE OF A STOP WORK ORDER.
8. ANY CHANGE FROM THE PLANS SHALL BE APPROVED BY THE DESIGN PROFESSIONAL AND THE CITY PUBLIC WORKS DEPT.
9. CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EXCAVATION. 811
10. ALL CONSTRUCTION IN THE RIGHT-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE I.S.P.W.C. NO EXCEPTIONS TO DISTRICT POLICY, STANDARDS, AND THE ISPWC WILL BE ALLOWED UNLESS SPECIFICALLY AND PREVIOUSLY APPROVED IN WRITING BY THE DISTRICT.
11. CONTRACTOR SHALL COORDINATE AND VERIFY ALL UTILITY BUILDING CONNECTION POINTS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR PRIOR TO COMMENCING WORK.
12. ALL PRIVATE UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THESE PLANS, THE LATEST EDITION OF THE IDAHO SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE PROJECT SPECIFICATIONS. IF DISCREPANCIES OCCUR THE MORE STRINGENT REQUIREMENT SHALL BE ADHERED TO.
13. PIPE TRENCH SHALL CONFORM TO THE LATEST I.S.P.W.C. DIVISION 300 AND SD-301. BEDDING AND BACKFILL SHALL BE CONSTRUCTED PER SECTIONS 305 AND 306 OF THE I.S.P.W.C.
14. ANY SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED IN A MANNER MEETING I.S.P.W.C. SECTION 2020 AT THE CONTRACTOR'S EXPENSE.

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
SD1.0	COVER SHEET
SC1.1	TOPOGRAPHICAL SURVEY
SD2.0	DEMOLITION PLAN
SD3.0	LAYOUT PLAN
SD3.5	LAYOUT DETAILS
SD3.6	LAYOUT DETAILS
SD3.7	LAYOUT DETAILS
SD3.8	LAYOUT DETAILS
SD4.0	MATERIAL, STRIPING & SIGNAGE PLAN
SD4.5	MATERIAL, STRIPING, & SIGNAGE DETAILS
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SD6.0	EROSION AND SEDIMENT CONTROL PLAN
SD6.5	EROSION AND SEDIMENT CONTROL DETAILS
SD7.0	UTILITY PLAN
SL1.0	LANDSCAPE PLAN
SL1.5	LANDSCAPE DETAILS
SL2.0	IRRIGATION PLAN
SL2.5	IRRIGATION DETAILS
SL2.6	IRRIGATION DETAILS
SL2.7	IRRIGATION DETAILS

LKV ARCHITECTS
2400 E RIVERWALK DRIVE
BOISE, IDAHO 83706
WWW.LKVARCHITECTS.COM
208.336.3443

BRECKON landdesign
• Civil Engineering
• Landscape Architecture
• Irrigation Design
• Land Planning
• Erosion & Sediment Control
• Graphic Communication
www.breckonlanddesign.com
Phone: 208-376-5153
Fax: 208-376-5829
6661 North Glenwood Street
Garden City, Idaho 83714

STATE OF IDAHO
JON FRITZ BRECKON
LA-16536
10/28/2024
REGISTERED LANDSCAPE ARCHITECT

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

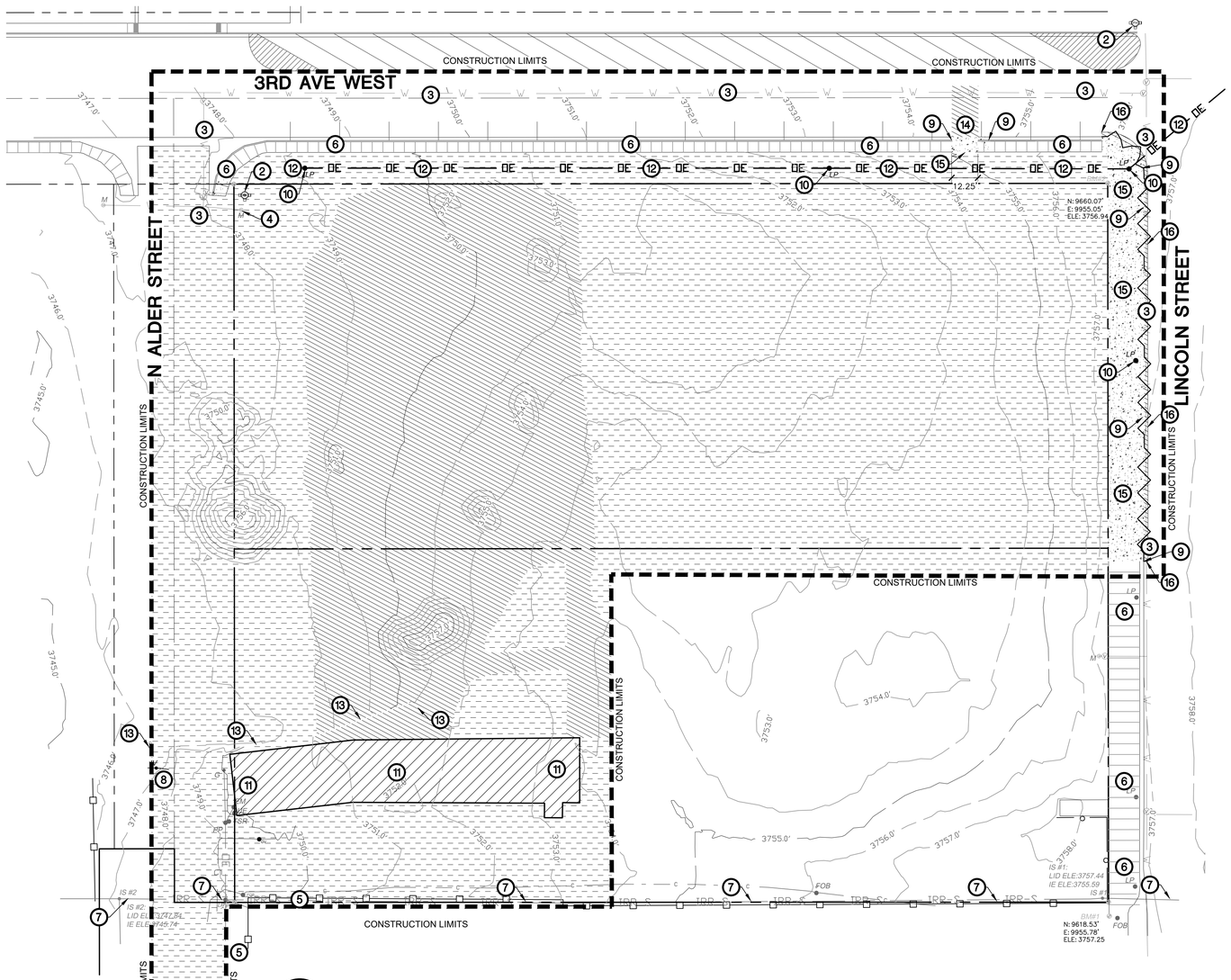
DRAWN BY: CI
CHECKED BY: JB

BID SET

DRAWING NO.
SD1.0
COVER SHEET

811
Know what's below.
Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES



DEMOLITION PLAN

30 0 30 60 90
SCALE: 1"= 30'-0"

DISCLAIMER:

THESE SITE DISTURBANCE PLANS HAVE BEEN PREPARED FOR THE CONTRACTOR/ OWNER IN FULL COMPLIANCE WITH THE GOVERNING AUTHORITY'S SITE DISTURBANCE ORDINANCE. THE REQUIRED REGULATORY ITEMS HAVE BEEN INCORPORATED INTO THIS PARTICULAR PROJECT IN GOOD FAITH. BRECKON LAND DESIGN, INC. CAN NOT BE HELD RESPONSIBLE FOR INACCURATE BASE INFORMATION PROVIDED BY OTHERS, UNACCEPTABLE CONSTRUCTION METHODS, OR SITE MODIFICATIONS MADE WITHOUT CONSULTING BRECKON LAND DESIGN, INC. ALL LIABILITY WILL BE ASSUMED BY THE OWNER/CONTRACTOR IF A FINAL INSPECTION OF THE PROJECT HAS NOT BEEN PERFORMED BY BRECKON LAND DESIGN, INC. AND IDENTIFIED DEFICIENCIES CORRECTED BY THE CONTRACTOR/OWNER.

DEMOLITION NOTES

1. COORDINATE ALL DEMOLITION, GRADING, AND EARTHWORK OPERATIONS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL ENGINEERING SHEETS.
2. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
3. LIMITS OF WORK ARE IDENTIFIED ON PLANS.
4. IN THE EVENT OF A DISCREPANCY, NOTIFY THE DESIGN PROFESSIONAL IMMEDIATELY.

CAUTION NOTICE

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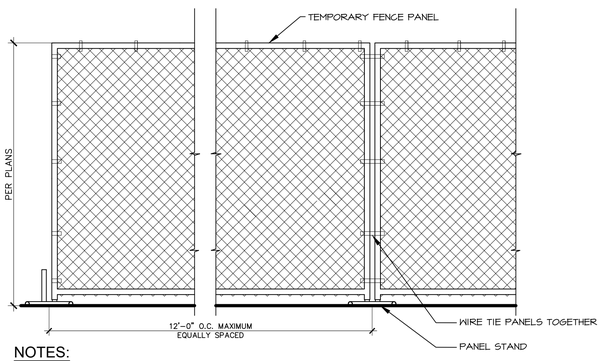

NOTES:

1. WIRE TIES, RAILS POSTS AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE OPPOSITE OF THE SECURE AREA.
2. ALL CHAIN LINK MESH FABRIC TO BE GALVANIZED 72" 9 GAUGE OR HEAVIER WIRE WITH NO LARGER THAN 2" OPENINGS.

1 TEMPORARY CHAIN LINK FENCE

SCALE: NTS

DEMOLITION LEGEND

CONSTRUCTION LIMITS — CONSTRUCTION LIMITS, TEMPORARY 6' HIGH CHAIN LINK FENCE (TYPICAL AT CONSTRUCTION LIMITS)
EXISTING CURB TO BE REMOVED
SAWCUT LINE
EXISTING FENCE TO REMAIN
UE — EXISTING UNDERGROUND ELECTRICAL LINE
DE — EXISTING OVERHEAD POWER LINE AND POLE
PP
EXISTING BURIED DOMESTIC WATER LINE
IRR-S — EXISTING BURIED IRRIGATION WATER LINE
GAS — EXISTING UNDERGROUND GAS LINE
C — EXISTING UNDERGROUND FIBER OPTIC LINE
FH — EXISTING FIRE HYDRANT
M — EXISTING WATER METER
V — EXISTING WATER VALVE
ICV — EXISTING IRRIGATION CONTROL VALVE
IS — EXISTING IRRIGATION STRUCTURE
IV — EXISTING IRRIGATION VALVES (ABANDONED PUMP STATION)
S — EXISTING SANITARY SEWER MANHOLE
LP — EXISTING LIGHTPOLE
GV — EXISTING GAS VALVE
G — EXISTING GUY ANCHOR
EM — EXISTING ELECTRICAL METER
UE — EXISTING UNDERGROUND ELECTRICAL CONDUIT
TSR — EXISTING TELEPHONE SERVICE RISER
FOB — EXISTING FIBER OPTIC BOX

APPROXIMATE AREA OF ASPHALT REMOVAL
APPROXIMATE AREA OF CONCRETE REMOVAL
APPROXIMATE AREA OF GRAVEL REMOVAL
EXISTING SCHOOL BUILDING TO BE REMOVED

DEMOLITION CALLOUT LEGEND

1. SAVE AND PROTECT EXISTING SANITARY SEWER IMPROVEMENTS.
2. SAVE AND PROTECT EXISTING FIRE HYDRANT.
3. SAVE AND PROTECT EXISTING WATER LINE.
4. REMOVE WATER METER, SEE UTILITY PLAN FOR MORE INFORMATION.
5. SAVE AND PROTECT EXISTING FENCE.
6. SAVE AND PROTECT EXISTING SIDEWALK.
7. SAVE AND PROTECT EXISTING 12" RCP IRRIGATION PIPE.
8. REMOVE ABANDONED IRRIGATION PUMP STATION EQUIPMENT. CAP AT SOURCE
9. SAWCUT AND REMOVE CONCRETE CURB AND GUTTER.
10. REMOVE EXISTING LIGHT POLES. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
11. EXISTING BUILDING TO BE REMOVED. COORDINATE BUILDING DEMOLITION WITH ARCHITECTURAL SHEETS
12. REMOVE EXISTING OVERHEAD ELECTRICAL LINES. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
13. REMOVE CONCRETE RETAINING WALL AND CHAIN LINK FENCE.
14. SAWCUT AND REMOVE EXISTING ASPHALT.
15. SAWCUT AND REMOVE EXISTING CONCRETE FLATWORK.
16. SAWCUT AND REMOVE 2'-0" WIDE SECTION OF ASPHALT

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STATE OF IDAHO
JON FRITZ BRECKON
10/28/2024
LA-16536
REGISTERED LANDSCAPE ARCHITECT

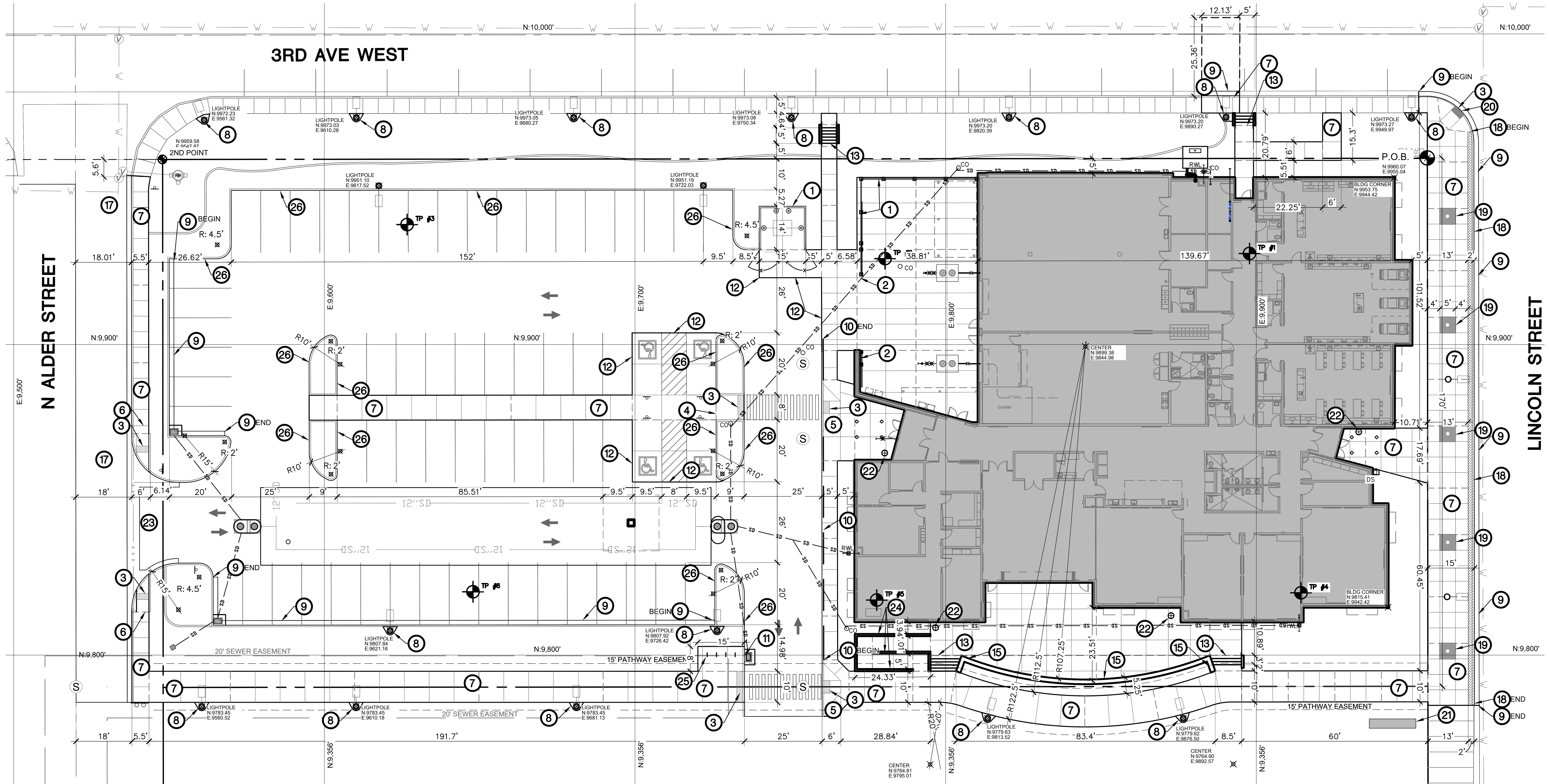
CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

DRAWN BY: CI
CHECKED BY: JB

BID SET

DRAWING NO.
SD2.0
DEMOLITION PLAN

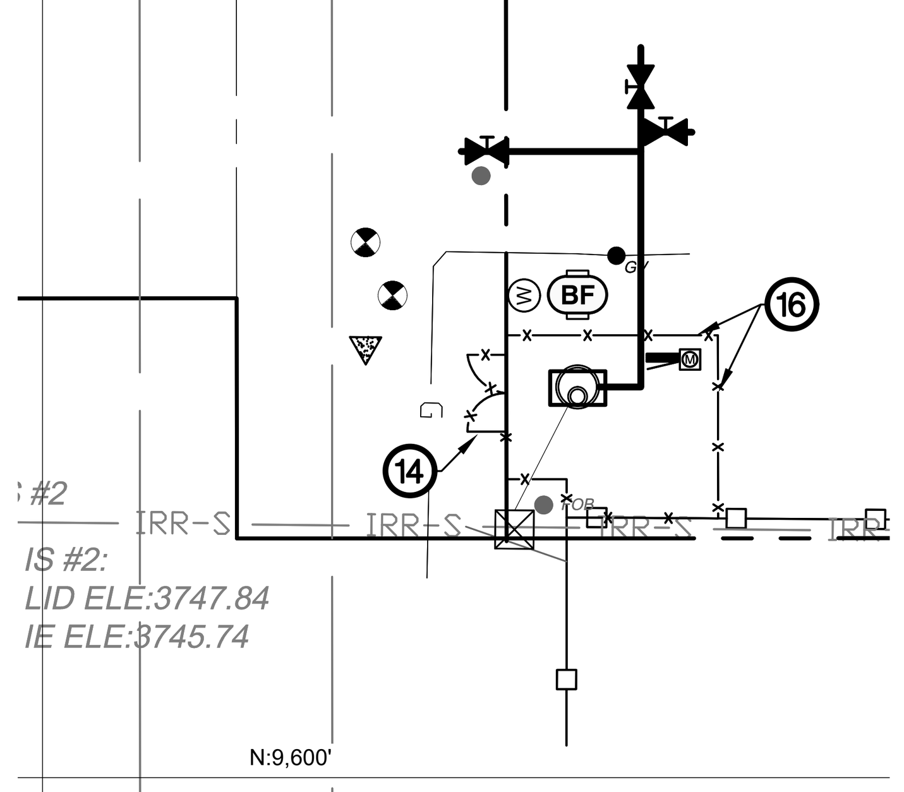


LAYOUT PLAN

SCALE: 1"= 20'-0"

811 Know what's below. Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

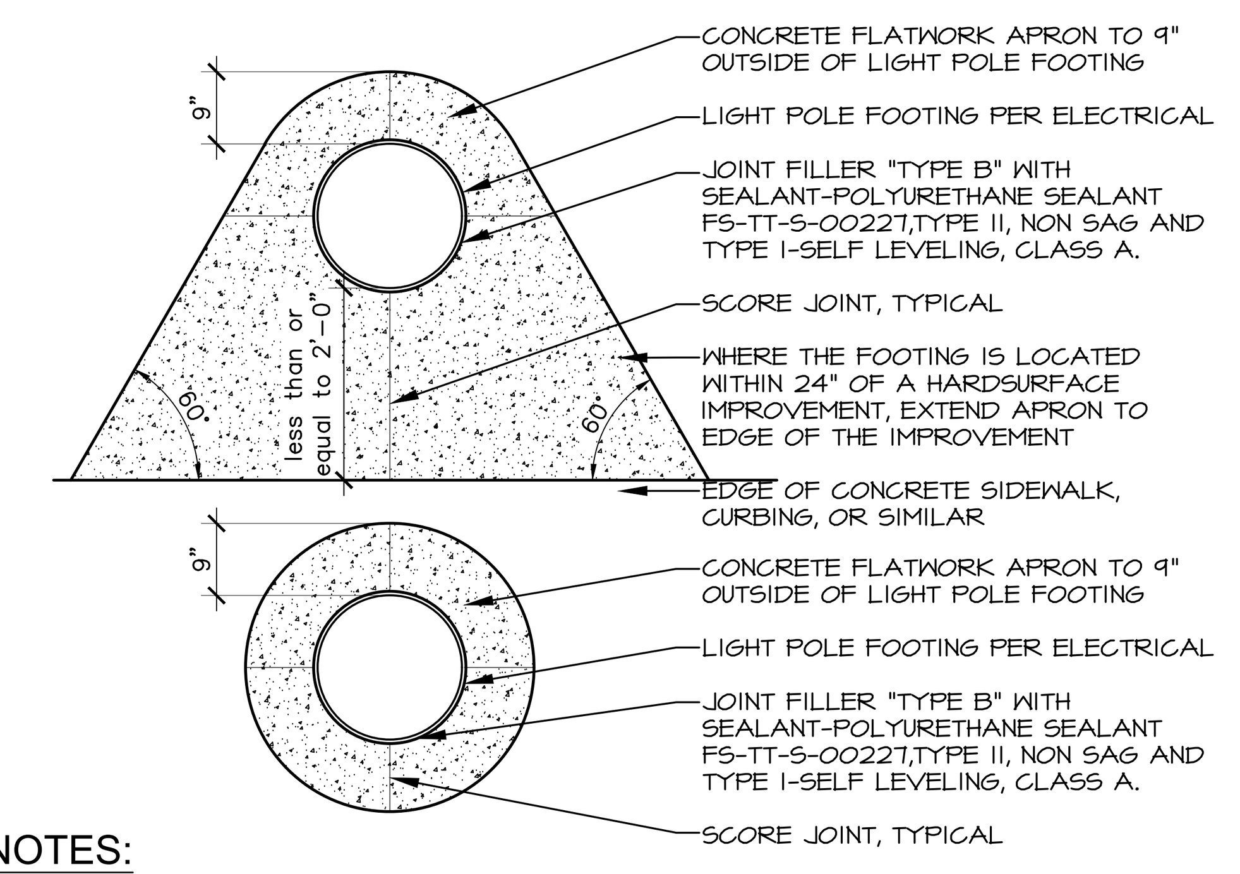


LAYOUT NOTES

1. ESTABLISH SITE LAYOUT GRID FROM POINT OF BEGINNING (P.O.B.) AT THE NORTHEAST PROPERTY CORNER WITH AN ASSUMED COORDINATE OF N: 9960.068', E:9955.042' (VERIFY). ESTABLISH 2ND POINT AT THE NORTHWEST PROPERTY CORNER AT 407.169', S 89DEG 55' 55" W FROM THE P.O.B. WITH AN ASSUMED COORDINATE OF N:9959.585', E:9547.873' VERIFY)
2. REFER CLOSELY TO BUILDING LAYOUT DRAWINGS IN RELATION TO SITE LAYOUT ITEMS. CONTRACTOR TO VERIFY LISTED DIMENSIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INITIATION OF ANY DEMOLITION OR CONSTRUCTION OPERATIONS. ANY DAMAGE TO EXISTING UTILITIES ON SITE OR ADJACENT PROPERTY SHALL BE CONTRACTOR'S RESPONSIBILITY.
4. COORDINATE INSTALLATION OF ELECTRICAL AND IRRIGATION CONDUIT AND SLEEVES WITH RESPECTIVE CONTRACTORS.
5. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING. STAKING SHALL BE PERFORMED BY REGISTERED LAND SURVEYOR WITHIN THE STATE OF THE PROJECT.
6. ALL ANGLES TO BE TURNED ARE 45D, 90D, OR 135D UNLESS OTHERWISE NOTED.
7. ALL DIMENSIONS ARE TO FACE OF CURB, EDGE OF WALK, EDGE OF PAVEMENT, EDGE OF FOUNDATION, EDGE OF WALLS OR CENTER OF POST.
8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS DISTANCES AND GRADES IN THE FIELD AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE DESIGN PROFESSIONAL FOR A DECISION PRIOR TO COMMENCING WITH THE WORK.
9. WHEREVER CONCRETE FLATWORK ABUTS BUILDINGS OR COLUMNS IT SHALL HAVE AN EXPANSION JOINT.
10. PROVIDE JOINTS AS SHOWN ON PLANS. JOINTS ARE AN INTEGRAL PART OF THE DESIGN AND SHALL NOT VARY FROM PATTERNS AND LOCATIONS SHOWN. CONTRACTOR SHALL REMOVE ANY FLATWORK THAT DOES NOT CONFORM TO DESIGN.
11. ALL WALKS AND FLATWORK SHALL BE ESTABLISHED IN THE FIELD FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL LAYOUT THE AREA OR FORM WORK FOR REVIEW BY THE DESIGN PROFESSIONAL. AFTER REVIEW AND NECESSARY MODIFICATIONS AS DIRECTED BY THE DESIGN PROFESSIONAL, THE CONTRACTOR SHALL PROCEED WITH CONSTRUCTION. IF APPROVAL IS NOT OBTAINED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ANY UNAUTHORIZED FIELD ADJUSTMENTS.
12. TRANSITION OF CURVES TO OTHER CURVES AND CURVES TO TANGENTS SHALL BE SMOOTH AND CONTINUOUS.
13. LOCATION OF ALL SITE FURNISHINGS SHALL BE APPROVED BY DESIGN PROFESSIONAL PRIOR TO INSTALLATION.
14. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
15. SEE ELECTRICAL SHEETS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALL LIGHT POLE BASES ADJACENT TO SIDEWALKS OR IN LAWN AREAS ARE TO RECEIVE CONCRETE APRON- SEE DETAIL.
16. ALL ACCESSIBLE PARKING STALLS AND SIGNS SHALL CONFORM TO ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR ACCESSIBLE PARKING.
17. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO NEW OR EXISTING IMPROVEMENTS INCLUDING LANDSCAPE AREAS AS A RESULT OF CONSTRUCTION ACTIVITIES.
18. LAYOUT PROJECT AS DESIGNED. CONTRACTOR SHALL REMOVE WORK THAT DOES NOT CONFORM TO DRAWINGS AND SPECIFICATIONS.
19. REFER TO MATERIALS AND SIGNAGE PLAN FOR FINISHED SITE MATERIALS, STRIPING, AND SIGNAGE INFORMATION. ALL SIGN POLES LOCATED IN LAWN AREAS ARE TO RECEIVE CONCRETE APRONS.
20. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE DESIGN PROFESSIONAL.

CALLOUT LEGEND

1. ARCHITECTURAL PRIVACY FENCE, SEE DETAIL 2/SD3.5
2. 8'-0" TALL POWDER COATED CHAIN LINK CANTILEVER GATE, SEE DETAIL 3/SD3.5 AND ENLARGEMENT ON SHEET SD3.0.
3. DETECTABLE WARNING, INSTALL PER MANUFACTURER'S RECOMMENDATIONS, SEE DETAIL 1/SD3.7
4. TYPE ONE ADA RAMP SEE DETAIL 9/SD3.5
5. TYPE TWO ADA RAMP SEE DETAIL 10/SD3.5
6. TYPE THREE ADA RAMP SEE DETAIL 11/SD3.5
7. CONCRETE FLATWORK, SEE DETAIL 3/SD4.5 & 6/SD3.5
8. LIGHT POLE APRON, SEE DETAIL 1/SD3.0
9. 24" WIDE CONCRETE CURB GUTTER, SEE DETAIL 4/SD3.5
10. INTEGRAL CURB, SEE DETAIL 1/SD3.5
11. REVERSE CURB TRANSITION, SEE DETAIL 7/SD3.5
12. CONCRETE THICKENED EDGE FLUSH WITH ASPHALT, SEE DETAIL 8/SD3.5 & 2/SD4.5
13. CONCRETE STAIR WITH HANDRAIL, SEE DETAIL 6&7/SD3.7
14. 6'-0' TALL X 8'-0" WIDE CHAIN LINK DOUBLE SWING GATE, SEE DETAIL 1/SL2.7
15. CONCRETE RETAINING WALL WITH SEATWALL, SEE DETAIL 3/SD3.7
16. 6'-0" TALL CHAIN LINK FENCE, SEE DETAIL 1-7/SD3.6
17. ROADWAY CITY SECTION PER CITY STANDARD DRAWING J-SD-801 A1 AND DETAIL 1/SD4.0
18. 2'-0" WIDE BRICK PAVERS PER CITY OF JEROME STREETSCAPE STANDARDS NOVEMBER 2022. REFER TO CITY STREETSCAPE GUIDE FOR COLOR AND PATTERN LAYOUT ALONG LINCOLN STREET. PAVER TO BE BELGARD HOLLAND PAVER, COLOR TO BE TOSCANA, PATTERN TO BE BASKET WEAVE. SEE DETAIL 6/SD3.8.
19. TREE GRATE PER CITY OF JEROME STREETSCAPE STANDARDS NOVEMBER 2022, AS SPECIFIED. SEE DETAIL 2/SD3.8
20. TYPE FOUR ADA RAMP, SEE DETAIL 4/SD3.7
21. FUTURE MONUMENT SIGN BY OWNER.
22. TRASH RECEPTACLE AS SPECIFIED.
23. DRIVE APPROACH, SEE DETAIL 8/SD3.7
24. CONCRETE RAMP WITH GUARD RAIL, SEE ENLARGEMENT PLAN ON SHEET SD3.8.
25. BIKE RACK AS SPECIFIED (TYPICAL OF 4)
26. VERTICAL CURB LOCATION, SEE DETAIL 5/SD3.5.



NOTES:

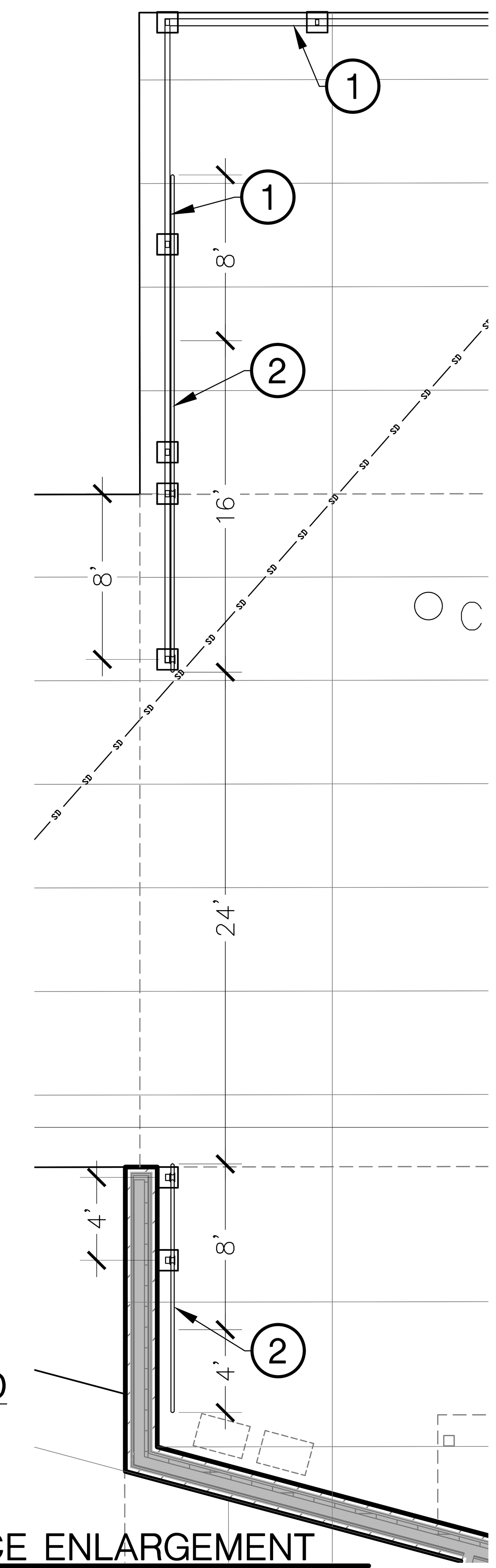
1. LOCATE THE CONCRETE APRON AROUND EACH LIGHT POST LOCATED WITHIN A TURF AREA.
2. CONCRETE SECTION SHALL BE AS PER CONCRETE FLATWORK DETAIL.

1 LIGHT POLE APRON

Scale: 1/2"= 1'-0"

LAYOUT LEGEND

- CENTERLINE OF ROADWAY (VERIFY)
- PROPERTY LINE (VERIFY)
- P.O.B. — POINT OF BEGINNING FOR GRID ESTABLISHMENT
- 2ND POINT — SECOND POINT FOR GRID ESTABLISHMENT
- N:600.00' — GRID LINE
- N: 617.66' E: 2523.29' — COORDINATE POINT
- TP #1 — SOIL TESTING LOCATION - SEE SPECIFICATIONS
- INTEGRAL CURB / WALK LOCATION
- VERTICAL CURBING LOCATION
- CURB AND GUTTER LOCATION
- SCORE JOINT (TYPICAL)
- EXPANSION JOINT (TYPICAL)
- ACCESSIBLE RAMP LOCATION WITH DETECTABLE WARNING SURFACE
- NEW CONCRETE FLATWORK
- SIGN LOCATION- ALL SIGN POLES LOCATED IN TURF AREAS TO RECEIVE CONCRETE MOWSTRIPS- SEE DETAIL 10/SD4.5
- LIGHT POLE WITH CONCRETE APRON
- LIGHT POLE WITHOUT CONCRETE APRON
- PROPOSED BUILDING



FENCE CALLOUT LEGEND

1. ARCHITECTURAL PRIVACY FENCE, SEE DETAIL 2/SD3.5
2. 8'-0" TALL POWDER COATED CHAIN LINK CANTILEVER GATE, SEE DETAIL 3/SD3.5

FENCE ENLARGEMENT

SCALE: 1"= 5'-0"

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CSI LEROY CRAIG JEROME CENTER

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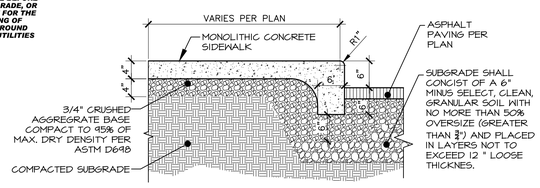
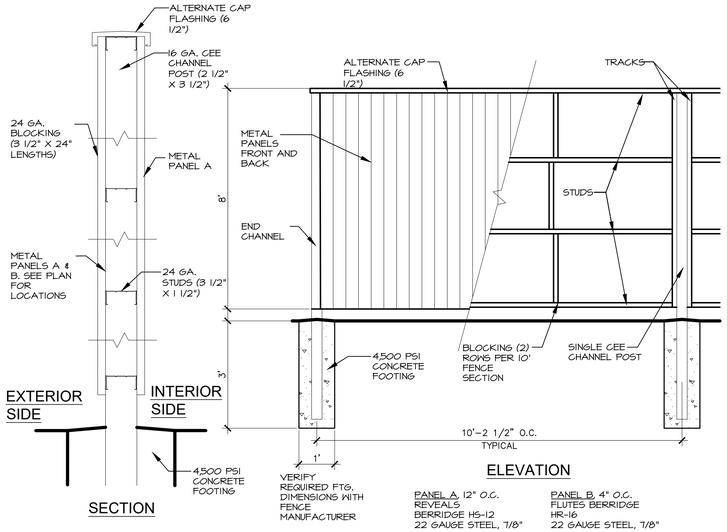


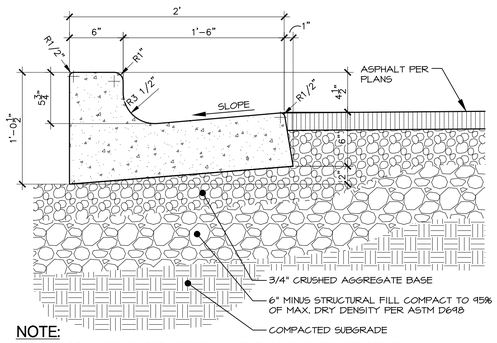
1 INTEGRAL CURB AND SIDEWALK

Scale: 3/4"= 1'-0"



2 PRIVACY FENCING

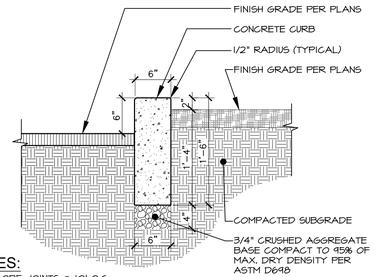
Scale: 1/2"= 1'-0"



NOTE:
1. SEE I.S.P.W.C, SD-701 FOR ADDITIONAL INFORMATION UNLESS SITE SPECIFIC.

4 24" WIDE CONCRETE CURB & GUTTER

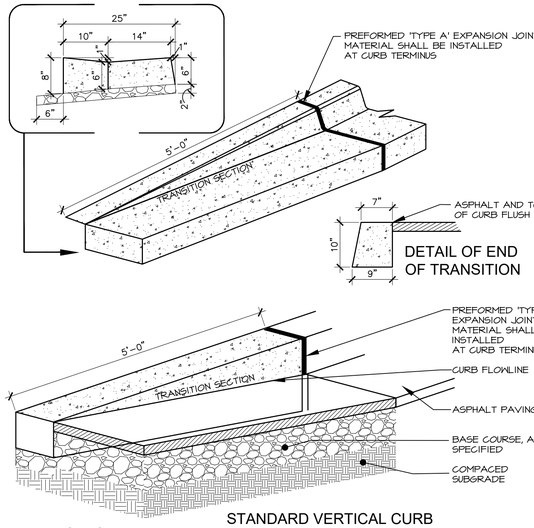
Scale: 1-1/2"= 1'-0"



NOTES:
1. SCORE JOINTS @ 10' O.C.
2. EXPANSION JOINTS @ 40' O.C.
3. PROVIDE EXPANSION JOINTS AT THE INTERSECTION OF STRAIGHT CURB & RADII.
4. EXPANSION JOINTS SHALL BE PREFORMED JOINT FILLER OF 3/8" THICKNESS.
5. SCORE JOINTS SHALL BE MINIMUM 1/8" WIDE, 1-1/2" DEEP, AND ROUNDED CORNERS.

5 VERTICAL CURB

Scale: 1"= 1'-0"

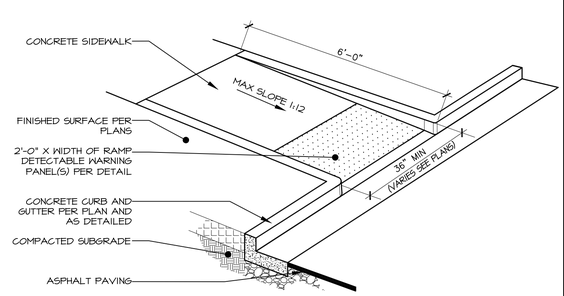


STANDARD VERTICAL CURB

NOTES:
1. USE WITH STANDARD 6" CURB AND GUTTER TO AVOID ABRUPT BEGINNING AND END OF CURB.
2. SEE I.S.P.W.C, SD-701 FOR ADDITIONAL INFORMATION.

7 REVERSE CURB END TRANSITION

Scale: 3/4"= 1'-0"



SCORE JOINT

EXPANSION JOINT

NOTE:
1. REFER TO SPECIFICATIONS FOR 28 DAY COMPRESSIVE STRENGTH REQUIREMENTS.

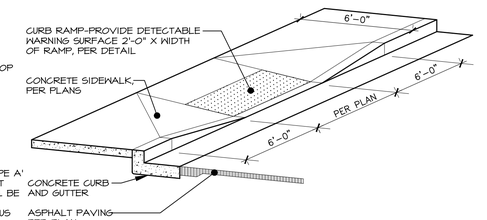
6 CONCRETE JOINTS

Scale: 1-1/2"= 1'-0"

NOTES:
1. REFER TO LAYOUT PLANS FOR ACTUAL RAMP DIMENSIONS. VARIATIONS FROM THE DETAIL SHALL BE SUPERSEDED BY DIMENSIONS INDICATED ON THE PLANS.
2. SEE THE LATEST EDITION OF THE I.S.P.W.C. FOR ADDITIONAL REQUIREMENTS.

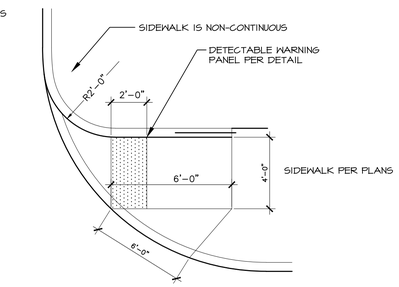
9 ADA RAMP- TYPE ONE

Scale: 1/2"= 1'-0"



10 ADA RAMP- TYPE TWO

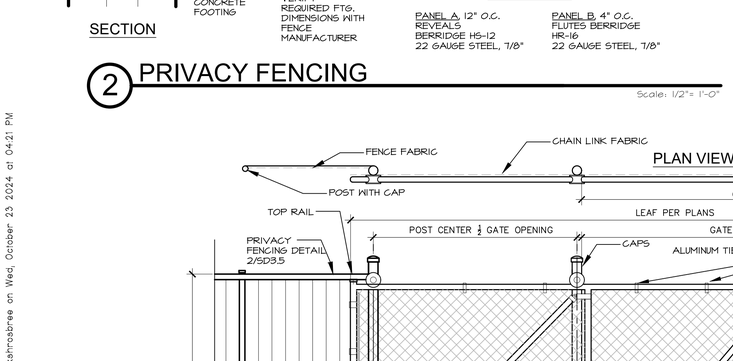
NOT TO SCALE



NOTES:
1. THIS TYPE OF RAMP MAY BE USED FOR LARGE COMMERCIAL APPROACHES WHERE THE STANDARD CONCRETE APPROACH IS NOT REQUIRED. THESE MAY ALSO BE USED FOR ALLEY AND PRIVATE STREET APPROACHES WHERE:
   A. THE SIDEWALK IS NOT REQUIRED TO CONTINUE AROUND THE RADIUS.
   B. A SECOND RAMP IS NOT REQUIRED TO MOVE PEDESTRIANS ACROSS THE PRIMARY STREET.
2. ALL RAMP SURFACES MUST BE 12 TO 1 SLOPE TO CONFIRM TO A.D.A. REQUIREMENTS.
3. THIS TYPE OF CORNER MUST HAVE A SINGLE RAMP TURNED PARALLEL TO THE PRIMARY STREET.
   THE DISTRICT MAY REQUIRE LARGER RADIUS SIZES WHERE LARGER VEHICLE TURNING IS EXPECTED.
4. THE RAMP THROAT WIDTH MUST BE 4'-0" MEASURED PERPENDICULAR TO THE 6'-0" THROAT SIDE. THE RAMP THROAT DEPTH MUST BE 6'-0" MEASURED FROM THE FACE OF THE CURB TO THE BACK OF THE APPROACH. THE 6'-0" SIDE OF THE RAMP THROAT MUST BE PARALLEL WITH THE EXPECTED PATH OF THE PEDESTRIAN AND NOT PERPENDICULAR TO THE CURB FOR EXAMPLE: PARALLEL WITH THE CROSS WALK STRIPES, THE STOP BAR, OR THE PRIMARY STREET CURB.
5. THE RAMP WING MUST BE 6'-0" MEASURED AT THE CURB FACE FOR 6" STANDARD CURB. THE WING AWAY FROM THE ROAD IS ELIMINATED AND REPLACED WITH A WING SUBSTITUTE THAT IS 6" HIGH AT THE FACE OF THE STANDARD CURB AND 0" HIGH AT THE BACK OF THE RAMP AND POURED MONOLITHICALLY WITH THE RAMP.
6. ALL RAMPS MUST HAVE A MINIMUM 4'-0" X 4'-0" LANDING BEHIND THEM FOR PEDESTRIANS.
7. ALL CONCRETE ADJOINING THE RADIUS WITHIN AND AROUND THE RAMPS SHALL BE 5" THICK WITH 4" OF 3/4" AGGREGATE BASE.

11 ADA RAMP- TYPE THREE

Scale: 1/4"= 1'-0"



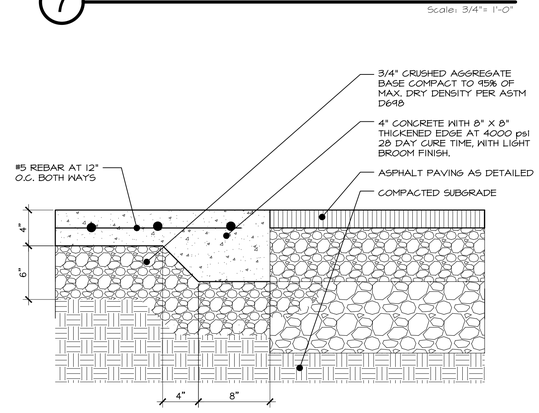
GATE POST SCHEDULE

GATE LEAF WIDTH (NOMINAL)	MIN OUTSIDE DIMENSIONS (NOMINAL)
6' OR LESS	2.875" OD
GREATER THAN 6" TO 10'	4.0" OD
GREATER THAN 10' TO 20'	6.625" OD
MORE THAN 20'	8.625" OD

NOTE:
1. SEE FOOTING DETAILS 4 AND 5 ON SHEET L3.6 FOR LINE AND POST FOOTINGS
2. MESH CHAIN LINK AS SPECIFIED

3 SLIDING GATE

SCALE: NTS



8 CONCRETE THICKENED EDGE

Scale: 1-1/2"= 1'-0"

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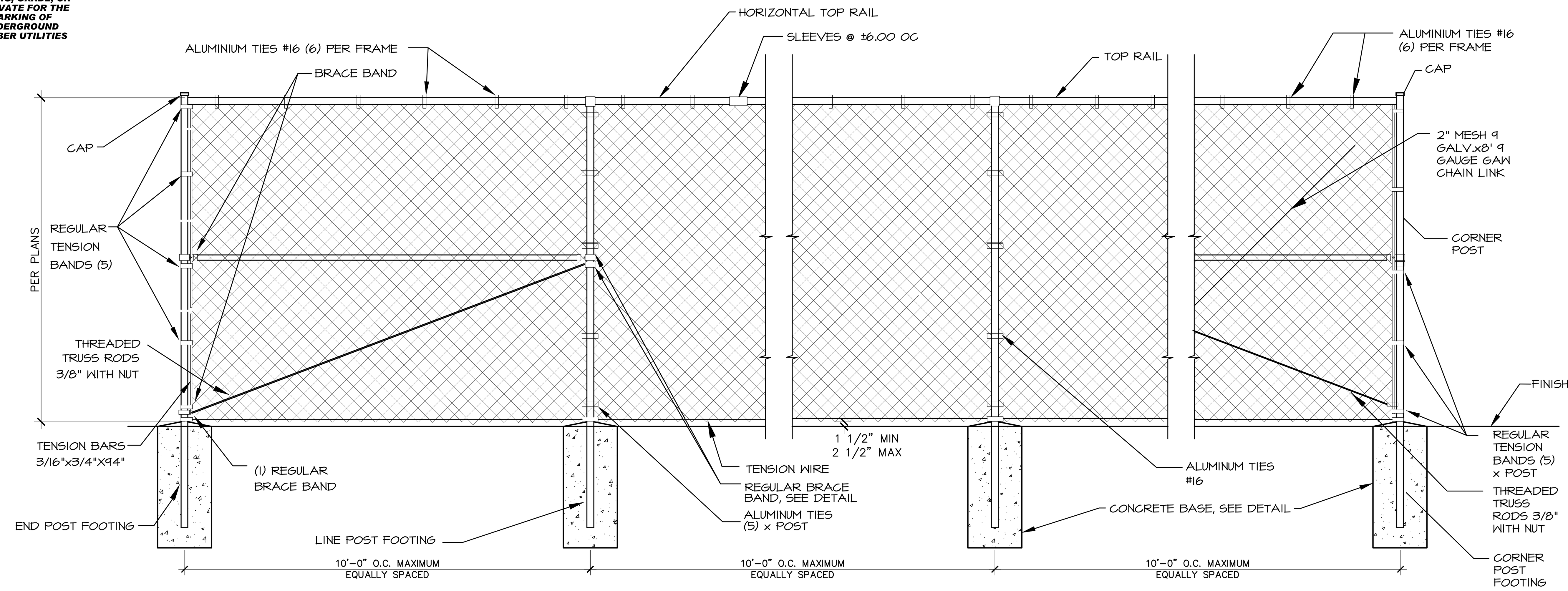
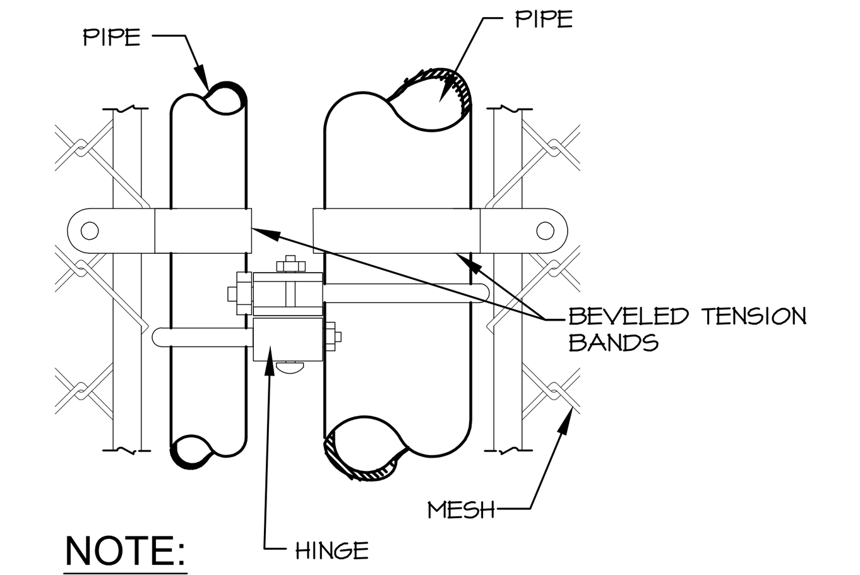


NOTES:
1. WIRE TIES, RAILS POSTS AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE OPPOSITE OF THE SECURE AREA.
2. POSTS SHALL BE INSTALLED SO THAT THE VOID INSIDE THE POST IS COMPLETELY FILLED WITH CONCRETE UP TO THE TOP OF THE FOUNDATION.
3. ALL CHAINLINK MESH FABRIC TO BE GALVANIZED 72" 9 GAUGE OR HEAVIER WIRE WITH NO LARGER THAN 2" OPENINGS AND KNUCKLED SELVAGE TOP AND BOTTOM.

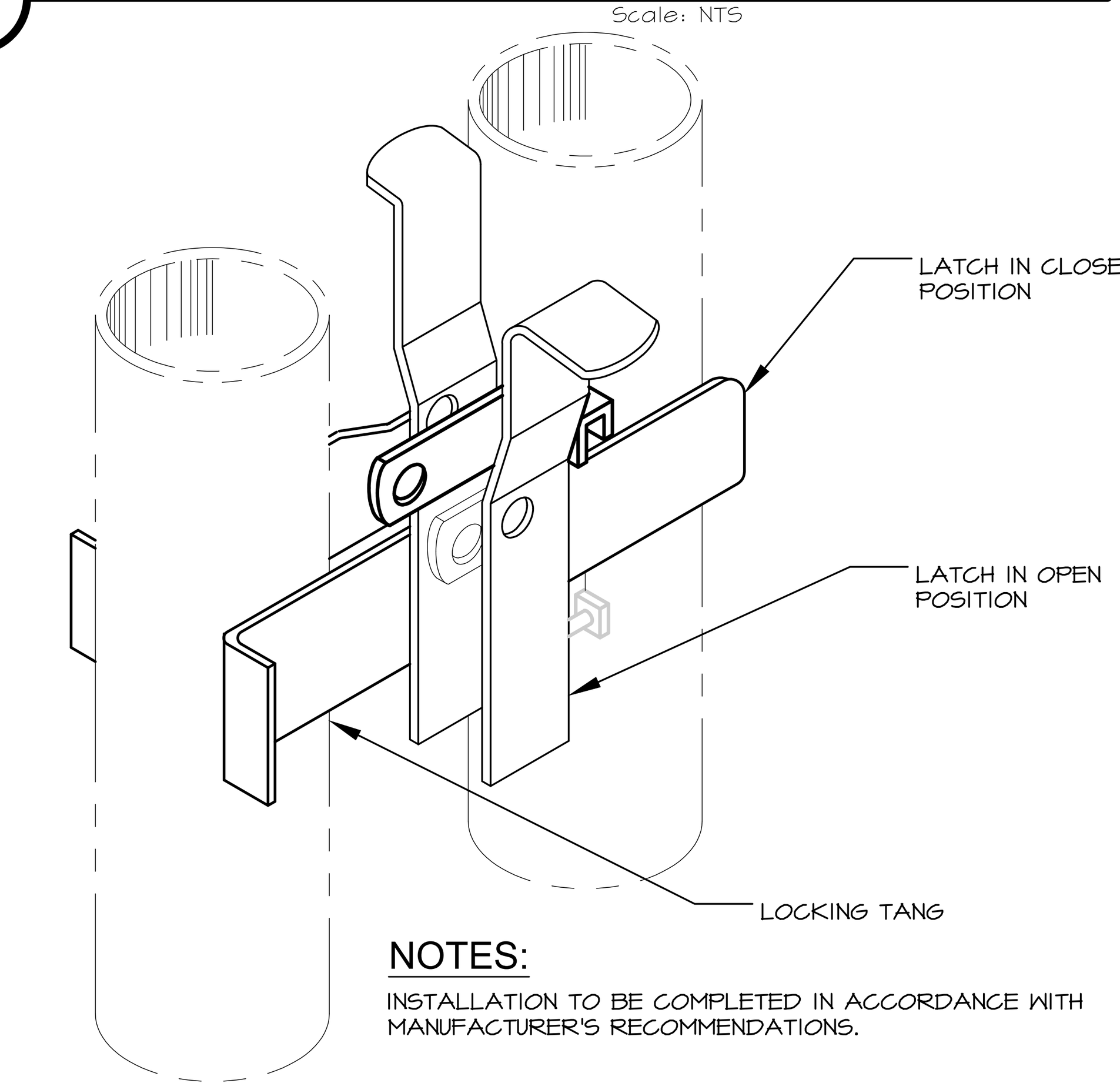
STEEL POST SCHEDULE	
USE AND SECTION	MIN OUTSIDE DIMENSIONS (NOMINAL) FABRIC WIDTH 72" OR LESS
CORNER, END & PULL POSTS TUBULAR - ROUND	2.38" O.D. FOR UP TO 5' HIGH. 2.875" O.D. FOR OVER 5' HIGH.
LINE POSTS TUBULAR - ROUND	1.90" O.D. FOR UP TO 5' HIGH. 2.38" O.D. FOR OVER 5' HIGH.
TOP, BOTTOM & BRACE RAILS TUBULAR - ROUND	1.66" O.D. PLAIN END, SLEEVE COUPLED.

1 CHAIN LINK FENCE
SCALE: NTS



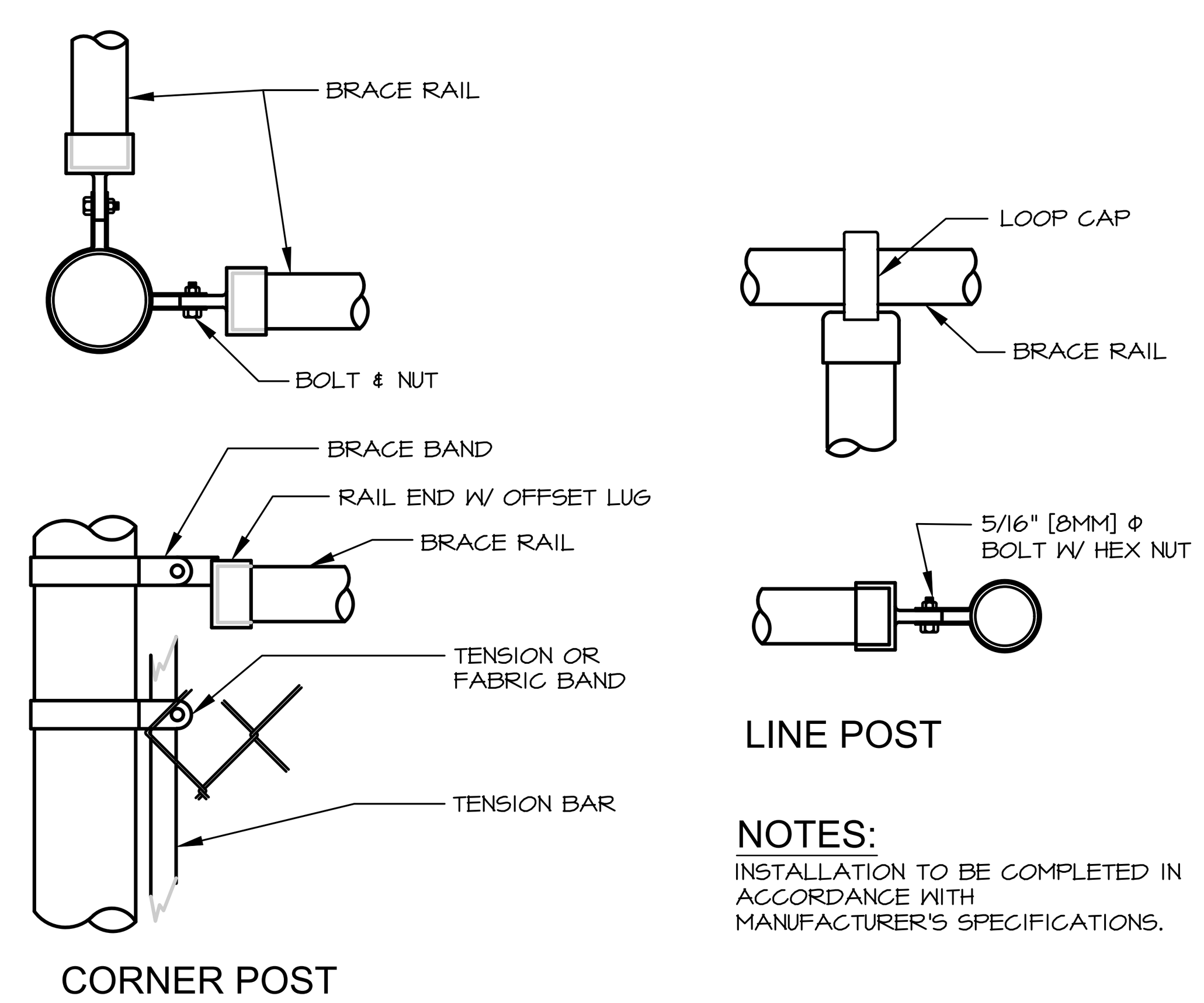
NOTE:
1. USE 3 HINGES ON THE DOUBLE SWING GATE AND 2 HINGES ON THE SINGLE SWING GATE.

8 HINGE ASSEMBLY
Scale: NTS



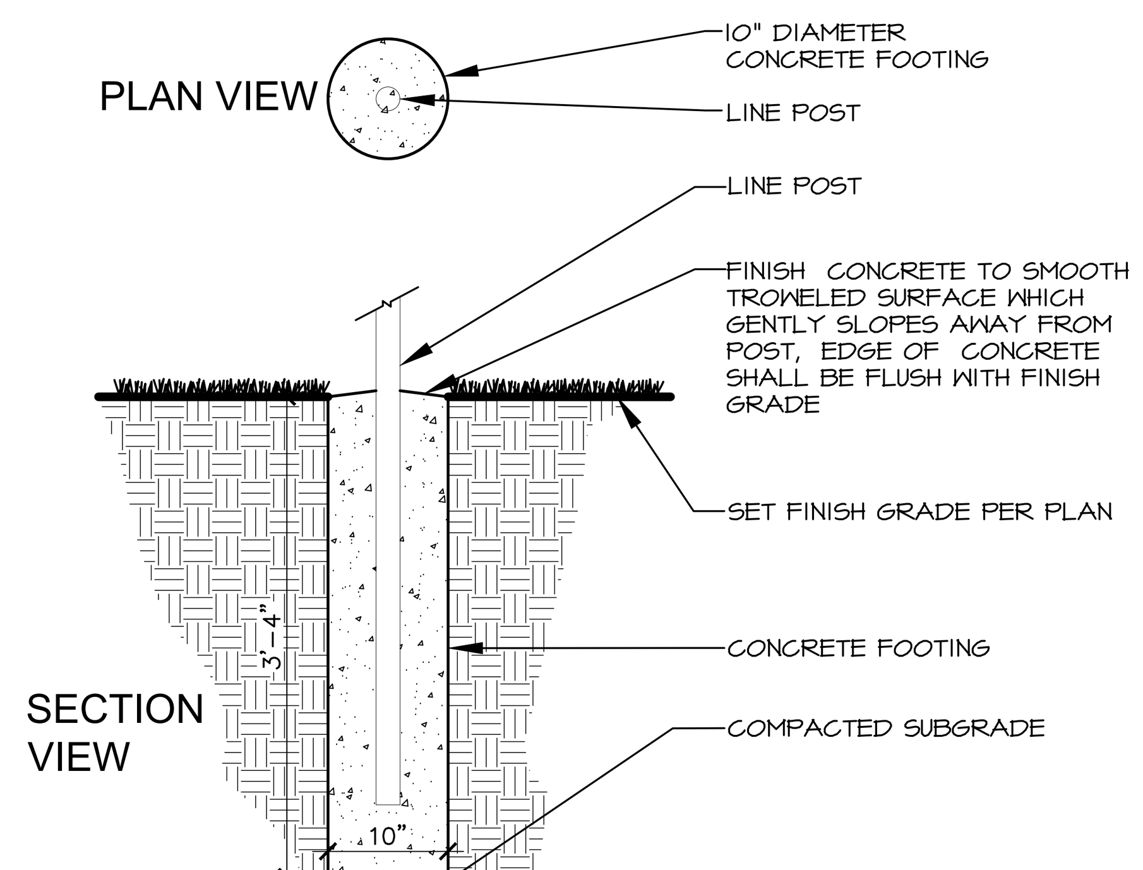
NOTES:
INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

9 GATE LATCH
Scale: NTS



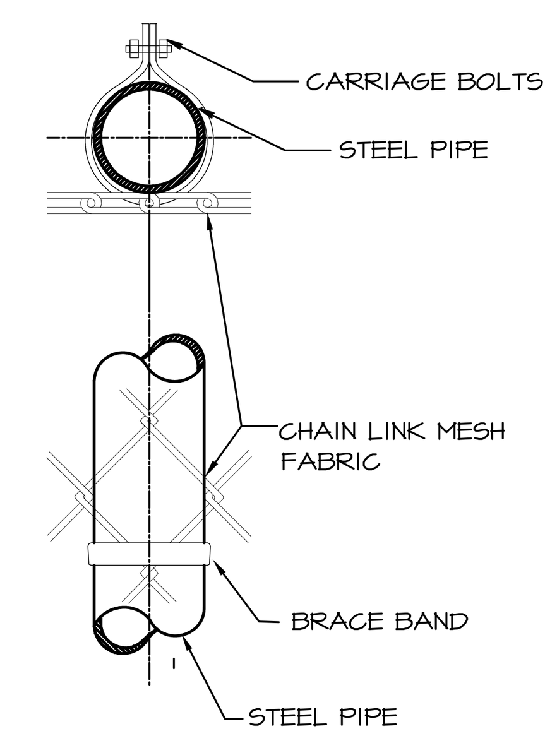
NOTES:
INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

2 BRACE CONNECTIONS
Scale: NTS



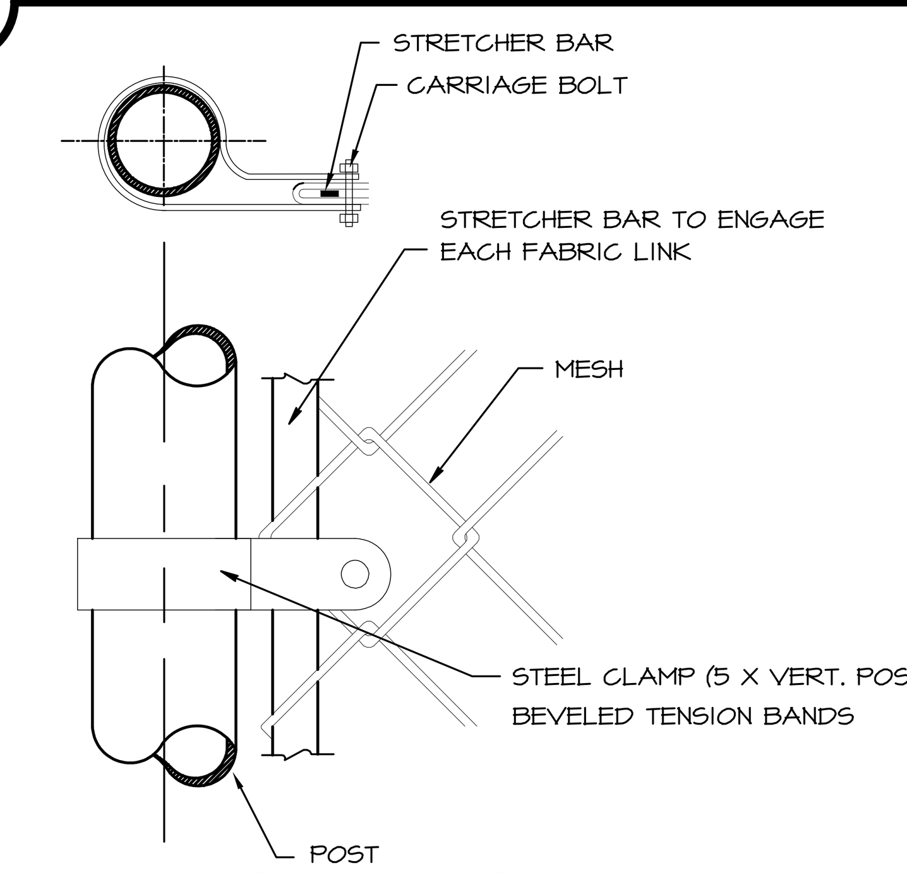
NOTE:
1. CONTRACTOR SHALL USE CONCRETE WITH 28 DAY COMPRESSIVE STRENGTH F'C=4,000 PSI. SUBMIT MIX DESIGN TO BRECKON LANDDESIGN PRIOR TO CONSTRUCTION.
2. CONCRETE MIX SHALL MEET THE BASIC MIX DESIGNS FOR 4,000 PSI CLASS CONCRETE AS SPECIFIED IN ISPWC SECTION 703 2.4 C TABLE 2.

4 LINE POST FOOTING FOR CHAIN LINK
Scale: 3/4"= 1'-0"



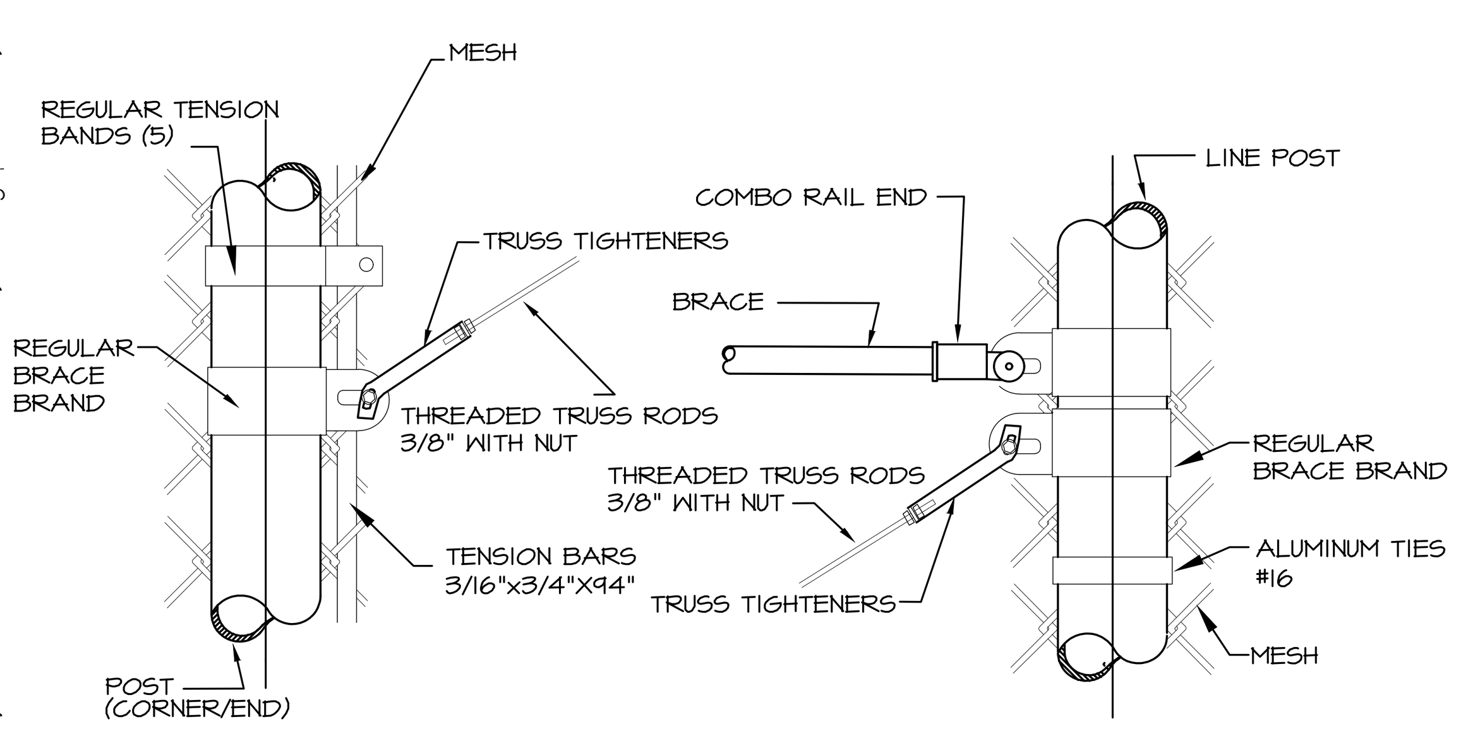
NOTES:
1. ALL CHAINLINK MESH FABRIC TO BE GALVANIZED 144" 9 GAUGE OR HEAVIER WIRE WITH NO LARGER THAN 2" OPENINGS.
2. ALL BARB WIRE TO BE STANDARD TWISTED DOUBLE STRAND 13.5 GAUGE WIRE WITH FOUR POINT BARBS SPACED AN EQUAL DISTANCE APART.
3. FOR H-BEAM POSTS USE 9-GAUGE STEEL TIE WIRE (15"OC MAX)AND WITHIN 4" OF TOP AND BOTTOM OF FABRIC.
4. TIE WIRE IS OPTIONAL FOR ROUND POSTS.

6 FABRIC ATTACHMENT (LINE POST)
Scale: NTS



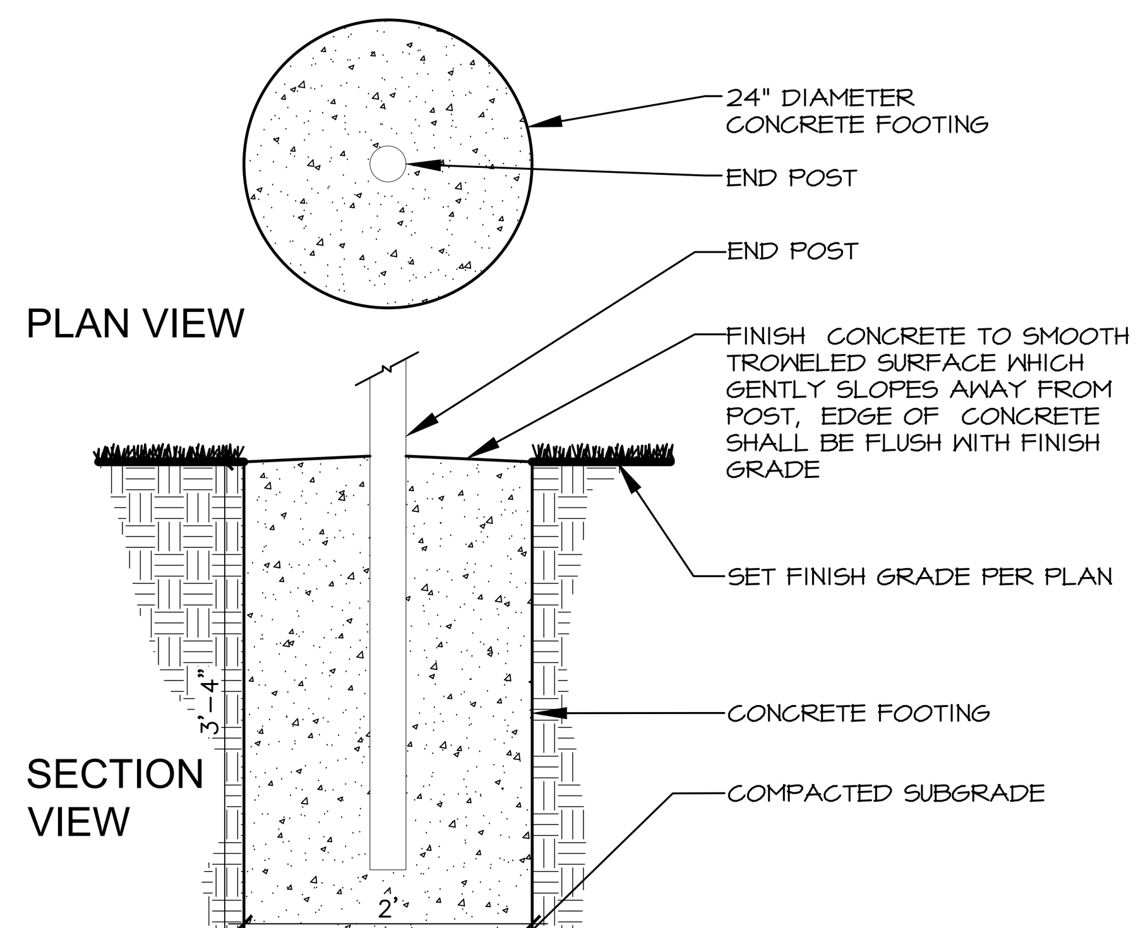
NOTES:
1. ALL CHAINLINK MESH FABRIC TO BE GALVANIZED 144" 9 GAUGE OR HEAVIER WIRE WITH NO LARGER THAN 2" OPENINGS.
2. ALL BARB WIRE TO BE STANDARD TWISTED DOUBLE STRAND 13.5 GAUGE WIRE WITH FOUR POINT BARBS SPACED AN EQUAL DISTANCE APART.

10 FABRIC ATTACHMENT (GATE OR END POST)
Scale: NTS



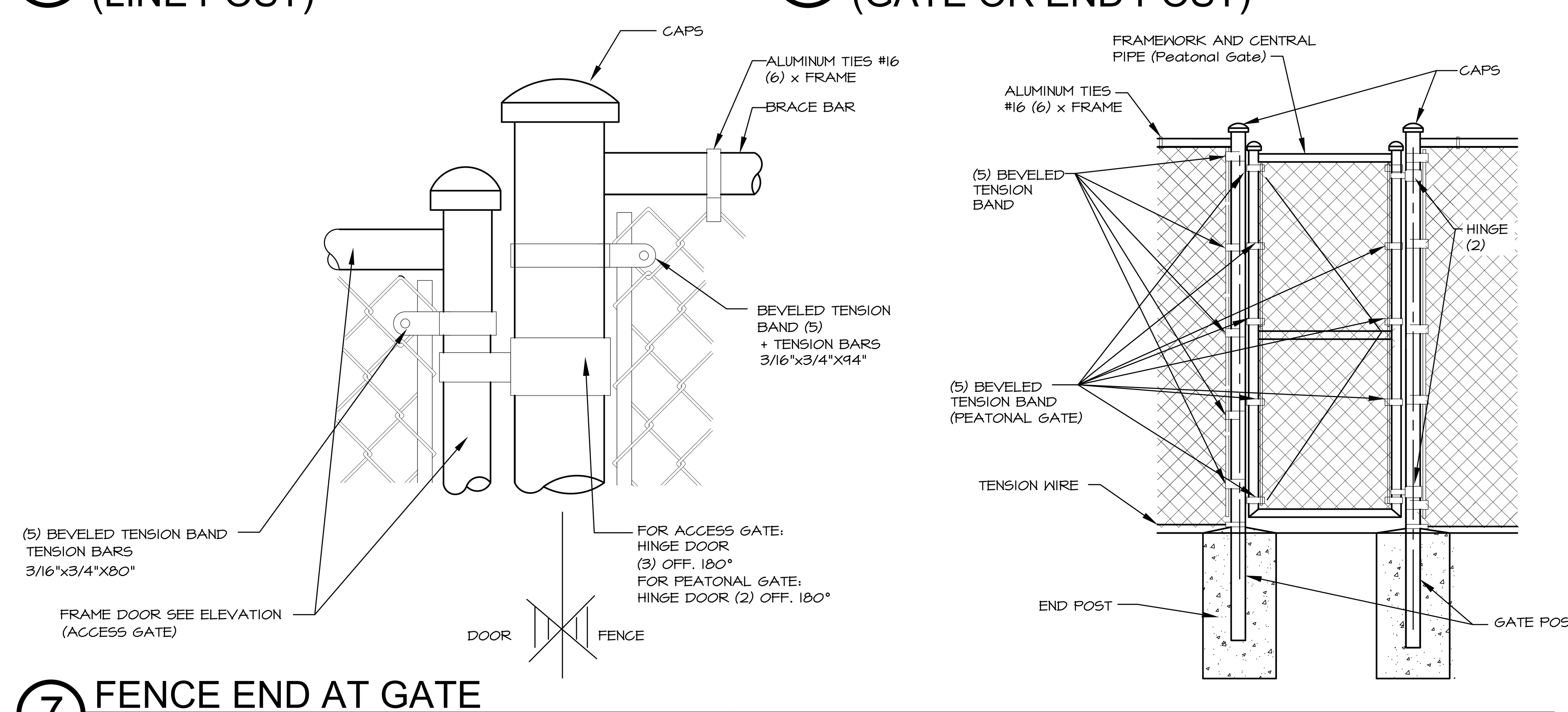
NOTES:
1. ALL CHAINLINK MESH FABRIC TO BE GALVANIZED 72" 9 GAUGE OR HEAVIER WIRE WITH NO LARGER THAN 2" OPENINGS.
2. USE CARRIAGE BOLTS 5/16" x 1 1/4" IF REQUIRED TO SECURE REGULAR TENSION BANDS

3 TRUSS ROD ASSEMBLY
Scale: NTS



NOTE:
1. CONTRACTOR SHALL USE CONCRETE WITH 28 DAY COMPRESSIVE STRENGTH F'C=4,000 PSI. SUBMIT MIX DESIGN TO BRECKON LANDDESIGN PRIOR TO CONSTRUCTION.
2. CONCRETE MIX SHALL MEET THE BASIC MIX DESIGNS FOR 4,000 PSI CLASS CONCRETE AS SPECIFIED IN ISPWC SECTION 703 2.4 C TABLE 2.

5 GATE, END OR CORNER POST FOOTING FOR CHAIN LINK
Scale: 3/4"= 1'-0"



7 FENCE END AT GATE
NOT TO SCALE

S:_projects\2022\22113 csi jerome fc\CAD\SHEETS\22113 Layout.dwg plotted by: kshrosbree on Wed, October 23 2024 at 04:21 PM

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STATE OF IDAHO — LICENSED LANDSCAPE ARCHITECT — JON FRITZ BRECKON — LA-16536 — 10/28/2024

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

DRAWN BY: CI
CHECKED BY: JB

BID SET

DRAWING NO.
SD3.6
LAYOUT DETAILS

811 Know what's below. Call before you dig.

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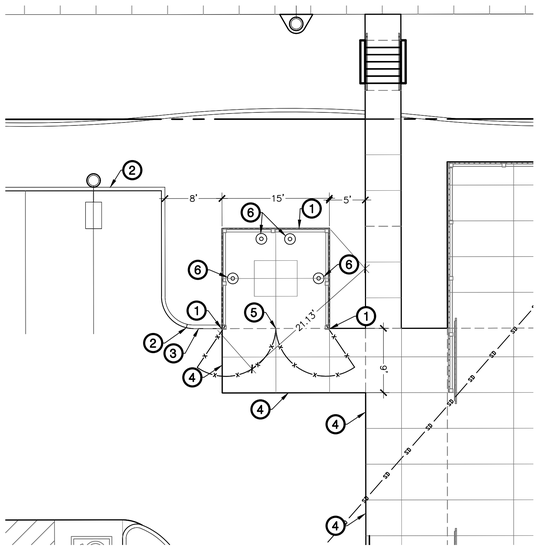
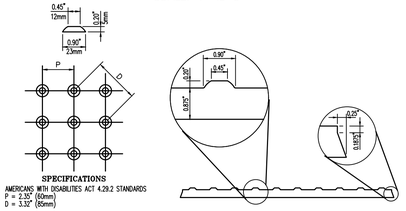


TRASH ENCLOSURE BLOWUP

10 0 10 20 30

SCALE: 1"= 10'-0"



PLAN VIEW

SECTION VIEW

NOTE:

1. THICKEN CONCRETE SLAB UNDER TACTILE PANEL.
2. CAST IN TACT DETECTABLE WARNING PANEL AS MANUFACTURED BY MASCO, (208-573-4990). INSTALL PER MANUFACTURERS RECOMMENDATIONS.
3. SEE I.S.P.W.C. SD-712 FOR ADDITIONAL INFORMATION.
4. COLOR BY ARCHITECT.

1 DETECTABLE WARNING PANEL

NOT TO SCALE

TRASH ENCLOSURE CALLOUT LEGEND

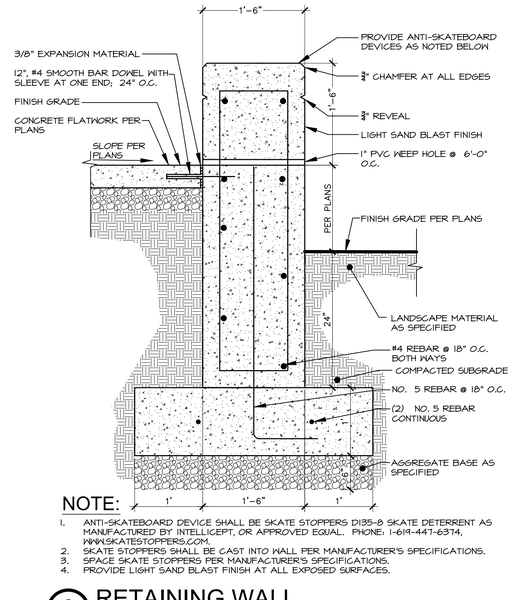
1. ARCHITECTURAL PRIVACY FENCE, SEE DETAIL 2/SD3.5
2. VERTICAL CURB, SEE DETAIL 5/SD3.5
3. CURB END TRANSITION, SEE DETAIL 8/SD3.8
4. CONCRETE THICKENED EDGE FLUSH WITH ASPHALT, SEE DETAIL 8/SD3.5
5. 15'-0" WIDE X 8'-0" TALL DOUBLE CHAIN LINK GATE, SEE DETAIL 5/SD3.7
6. STEEL BOLLARDS, SEE DETAIL 2/SD3.7

NOTE:

1. REFER TO PLANS FOR EXACT BOLLARD LOCATIONS.

2 STEEL BOLLARD

Scale: 3/4"= 1'-0"

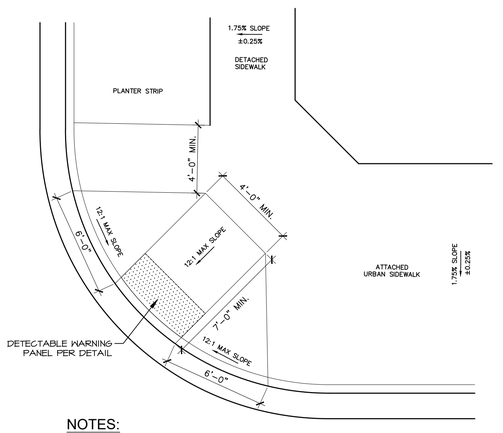


NOTE:

1. ANTI-SKATEBOARD DEVICE SHALL BE SKATE STOPPERS DI35-8 SKATE DETERRENT AS MANUFACTURED BY INTELLICEPT, OR APPROVED EQUAL. PHONE: 1-619-447-6374, WWW.SKATESTOPPERS.COM.
2. SKATE STOPPERS SHALL BE CAST INTO WALL PER MANUFACTURER'S SPECIFICATIONS.
3. SPACE SKATE STOPPERS PER MANUFACTURER'S SPECIFICATIONS.
4. PROVIDE LIGHT SAND BLAST FINISH AT ALL EXPOSED SURFACES.

3 RETAINING WALL WITH SEATWALL

Scale: 1"= 1'-0"

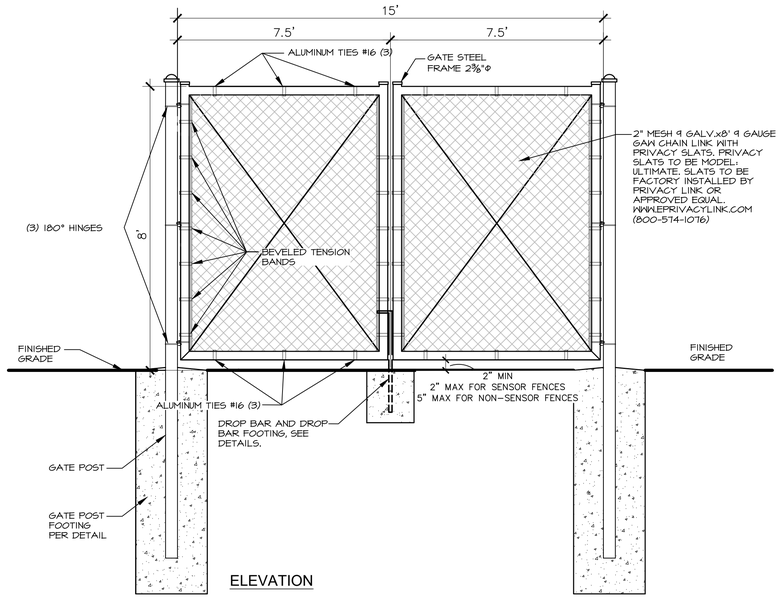


NOTES:

1. CURB ON RADIUS MUST BE 6" STANDARD CURB FOR SHOWN DIMENSIONS.
2. ALL RAMP SURFACES MUST BE 12 TO 1 SLOPE TO CONFIRM TO A.D.A. REQUIREMENTS. (2% MAXIMUM CROSS SLOPE)
3. THE RAMP THROAT WIDTH MUST BE 4'-0" MEASURED PERPENDICULAR TO THE 7'-0" THROAT SIDE. THE RAMP THROAT DEPTH MUST BE 7'-0" MEASURED FROM THE FACE OF THE CURB TO THE BACK OF THE APPROACH.
4. THE RAMP WING MUST BE 6'-0" MEASURED AT THE CURB FACE FOR 6" STANDARD CURB.
5. ALL RAMPS MUST HAVE A MINIMUM 4'-0" X 4'-0" LANDING BEHIND THEM FOR PEDESTRIANS.
6. ALL CONCRETE ADJOINING THE RADIUS WITHIN AND AROUND THE RAMPS SHALL BE 5" THICK WITH 4" OF 3/4" AGGREGATE BASE.

4 ADA RAMP

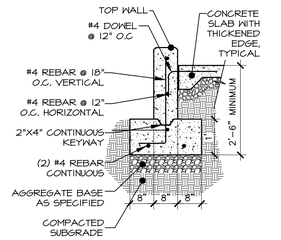
Scale: 1/4"= 1'-0"



ELEVATION

5 DOUBLE CHAINLINK SWING GATE

SCALE: 1/2"=1'-0"



6 CONCRETE CHEEK WALL

Scale: 1/2"= 1'-0"

NOTES:

1. PLACE HANDRAILS ON BOTH SIDES OF STAIRWAY.

7 CONCRETE STAIRS

Scale: 3/8"= 1'-0"

NOTE:

1. SEE I.S.P.W.C, SD-708 FOR ADDITIONAL INFORMATION.
2. MAINTAIN 0.4% SLOPE MIN. FROM P.C. FLOWLINE TO HIGH SIDE OF VALLEY GUTTER

8 VALLEY GUTTER APPROACH

Scale: 1/8"= 1'-0"

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STATE OF IDAHO — JON FRITZ BRECKEL — 14836 — REGISTERED LANDSCAPE ARCHITECT — 10/28/2024

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

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CHECKED BY: JB

BID SET

DRAWING NO.
SD3.7
LAYOUT DETAILS

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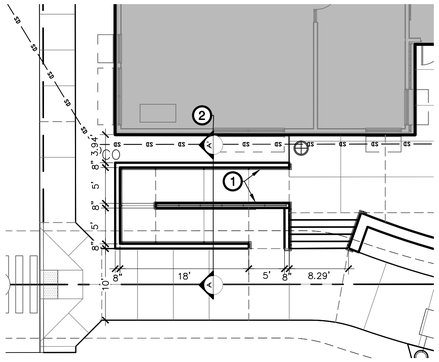
RAMP CALLOUT LEGEND

1. GUARD RAIL WITH HANDRAIL, SEE DETAIL 1 &3/SD3.8
2. RAMP SECTION A-A', SEE DETAIL 1/SD3.8

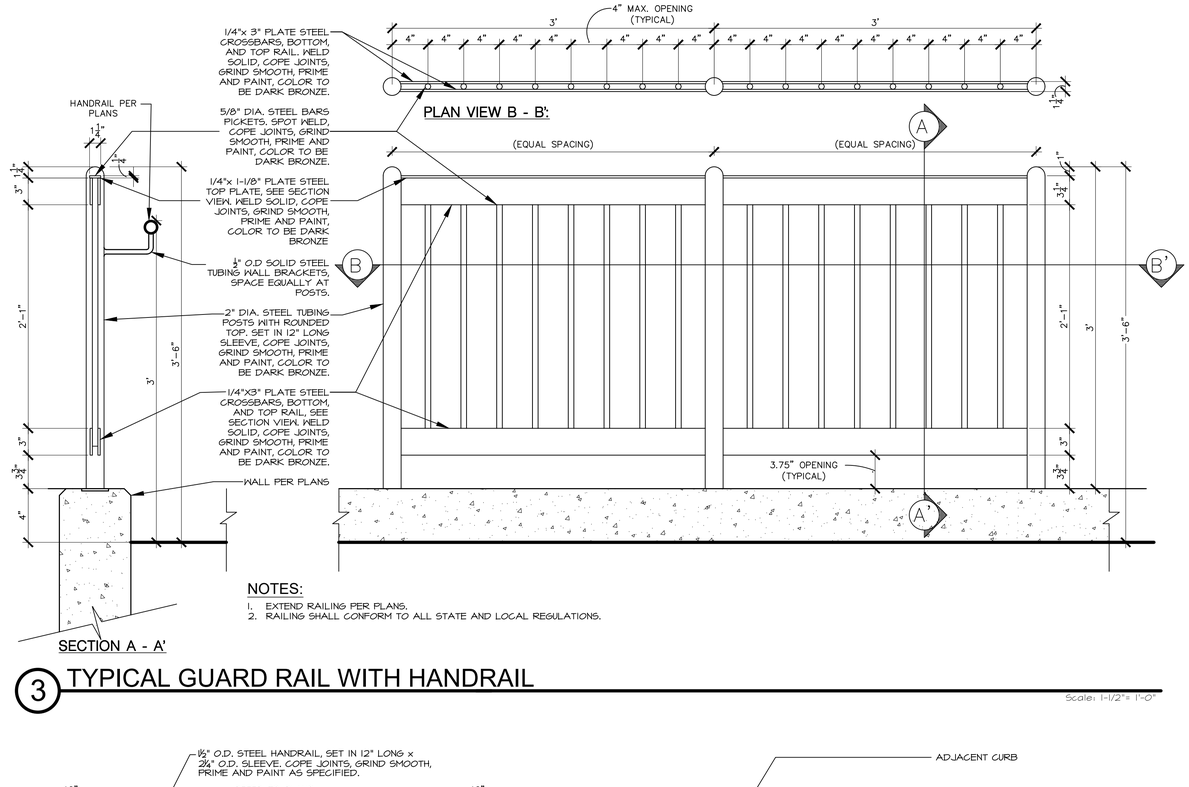


RAMP ENLARGEMENT PLAN

N

10 0 10 20 30

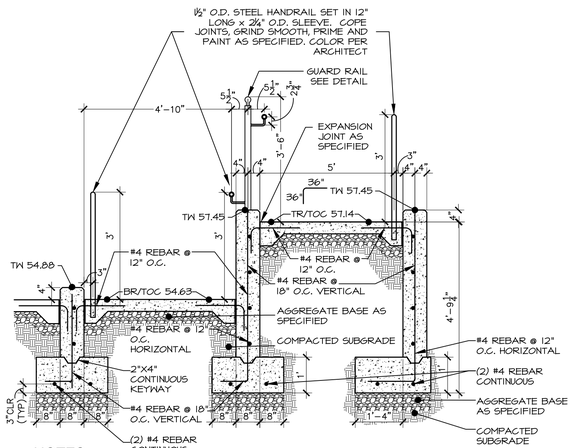
SCALE: 1"= 10'-0"



NOTES:
1. EXTEND RAILING PER PLANS.
2. RAILING SHALL CONFORM TO ALL STATE AND LOCAL REGULATIONS.

3 TYPICAL GUARD RAIL WITH HANDRAIL

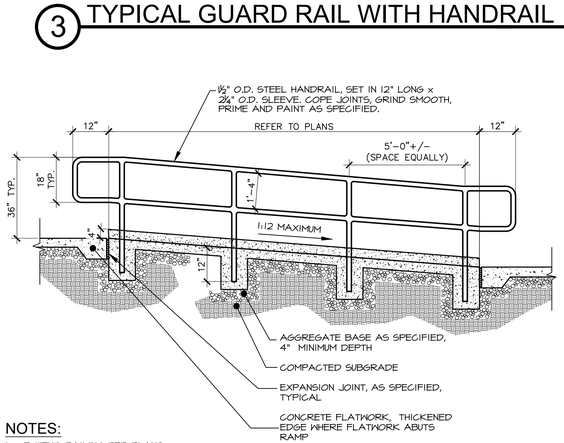
Scale: 1-1/2"= 1'-0"



NOTES:
1. PROVIDE ANTI-SKATEBOARD DEVICE AS SPECIFIED, TO ALL HANDRAIL AT 5'-0" O.C.

1 RAMP SECTION- A-A'

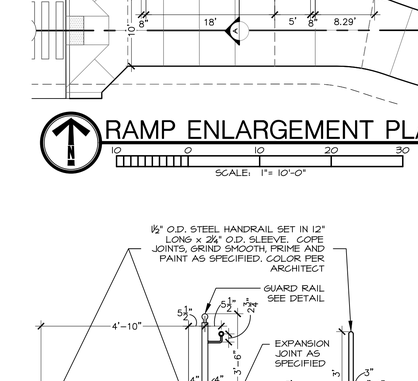
Scale: 1/2"= 1'-0"



NOTES:
1. EXTEND RAILING PER PLANS.
2. RAILING SHALL CONFORM TO ALL STATE AND LOCAL REGULATIONS.

4 RAMP SECTION- TYPE ONE

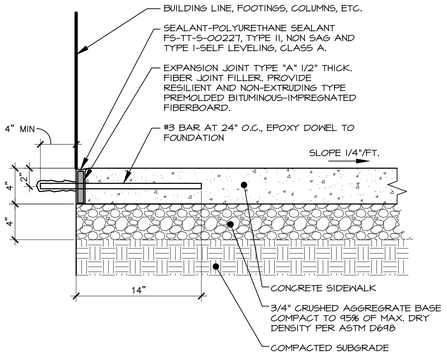
Scale: 3/8"= 1'-0"



NOTE:
1. REFER TO GRADING PLAN FOR FINISH GRADE INFORMATION.
2. REFER TO CONCRETE FLATWORK DETAIL FOR ADDITIONAL INFORMATION.

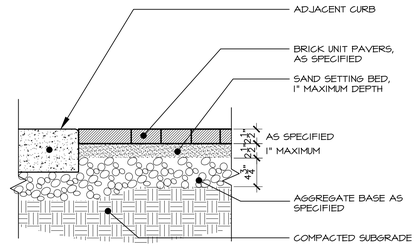
2 SQUARE TREE GRATE

Scale: 1"= 1'-0"



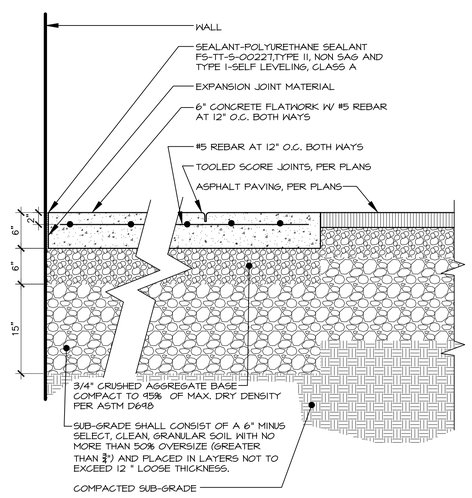
5 CONCRETE FLATWORK AT BUILDING

Scale: 1-1/2"= 1'-0"



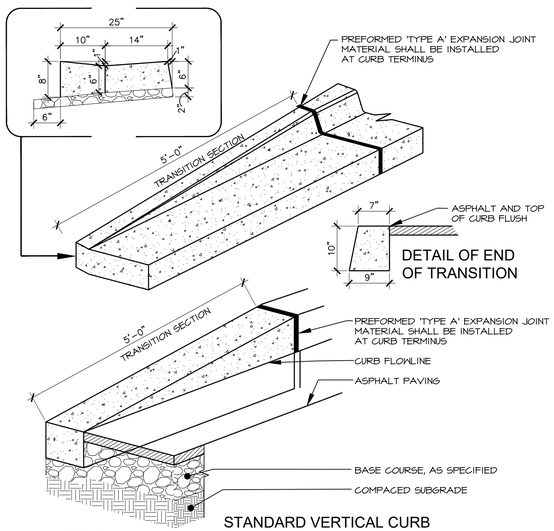
6 BRICK PAVER INSTALL

Scale: 1"= 1'-0"



7 REINFORCED CONCRETE FLATWORK

Scale: 1"= 1'-0"



NOTES:
1. USE WITH STANDARD 6" CURB AND GUTTER TO AVOID ABRUPT BEGINNING AND END OF CURB.
2. SEE I.S.P.W.C. SD-707 FOR ADDITIONAL INFORMATION.

8 CURB END TRANSITION

Scale: 3/4"= 1'-0"

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Jon Breckon
LA-16536
10/28/2024

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

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SD3.8
LAYOUT DETAILS

811
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MATERIAL NOTES

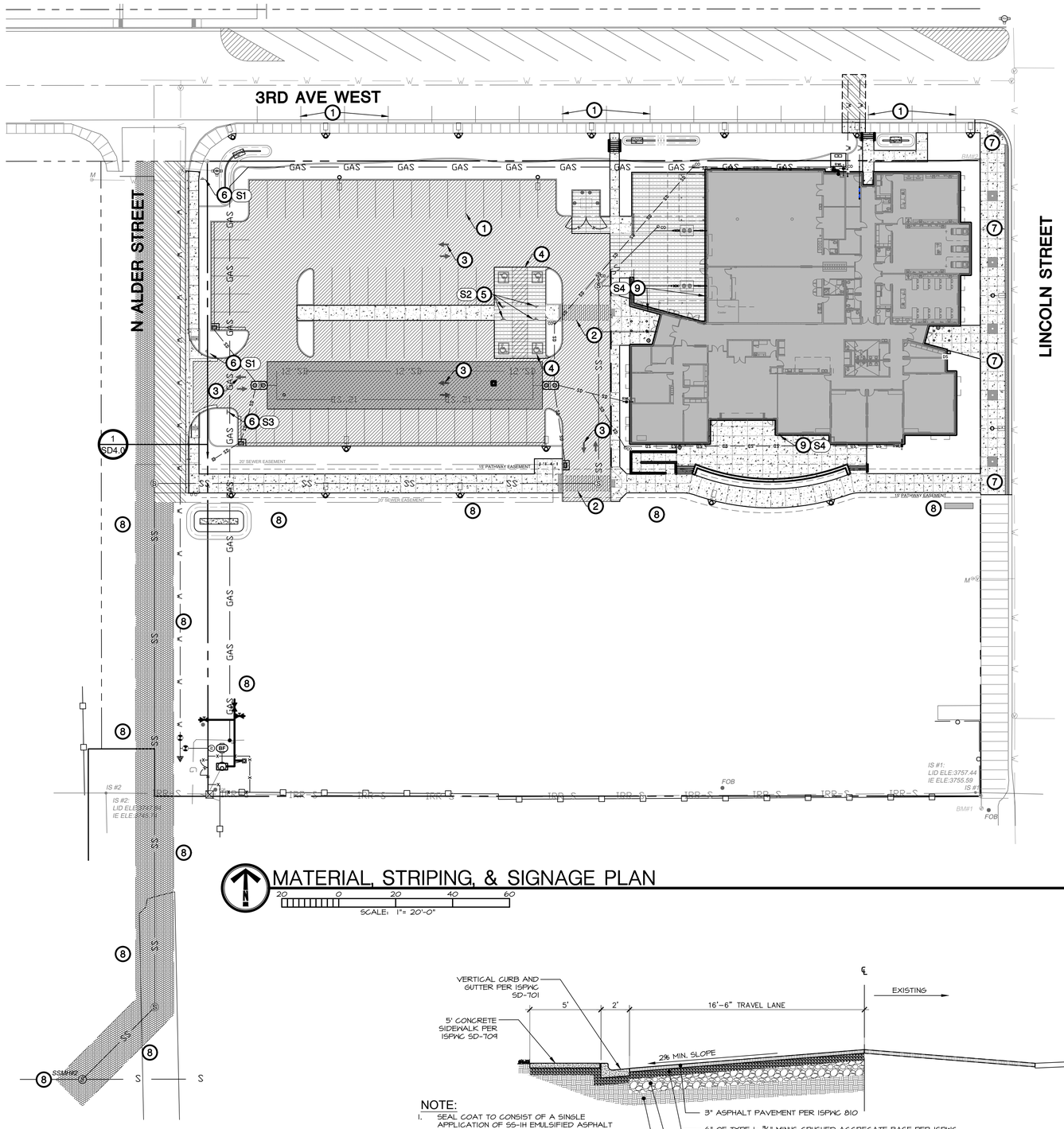
1. REFER TO DETAIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
2. ALL ACCESSIBLE PARKING STALLS AND SIGNS SHALL CONFORM TO ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR ACCESSIBLE PARKING.
3. REFER TO SIGN BASE DETAIL FOR INSTALLATION OF ALL SIGNS.
4. ALL SIGNS SHALL BE THE SIZE LISTED. COLORS TO BE DETERMINED UPON SHOP DRAWING SUBMITTAL.
5. REFER TO LAYOUT PLAN FOR ACTUAL SIGN LOCATIONS.
6. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY DESIGN PROFESSIONAL.

PAINTED STRIPING

ALL PAINT TO BE SHERWIN WILLIAMS SETFAST ACRYLIC MARKING PAINT. MEET FEDERAL SPECIFICATIONS TTP 1952F. ALL SURFACES SCHEDULED TO RECEIVE PAINT FINISH. REMOVE DIRT, LOOSE MORTAR, SCALE, SALT OR ALKALI POWDER AND OTHER FOREIGN MATTER. REMOVE OIL AND GREASE WITH A SOLUTION OF TRI-SODIUM PHOSPHATE; RINSE WELL AND ALLOW TO DRY. REMOVE STAINS CAUSED BY WEATHERING OF CORRODING METALS WITH A SOLUTION OF SODIUM METASILICATE AFTER THOROUGHLY WETTING WITH WATER. ALLOW TO DRY.

PAINTED STRIPING ON ASPHALT PAVING PARKING STALL STRIPES TO BE 4" WIDE WHITE, UNLESS NOTED OTHERWISE.
- A. HANDICAP SYMBOLS SHALL BE PAINTED STANDARD BLUE.
- B. "NO PARKING - FIRE ZONE" SHALL BE PAINTED RED.

PAINTED ARROWS, VERIFY EXACT LOCATION ON SITE WITH DESIGN PROFESSIONAL. SEE DETAIL 7 & 8/SD4.5



MATERIAL, STRIPING, & SIGNAGE PLAN

20 0 20 40 60
SCALE: 1"= 20'-0"

NOTE:
1. SEAL COAT TO CONSIST OF A SINGLE APPLICATION OF SS-1H EMULSIFIED ASPHALT (MIXED WITH AN EQUAL AMOUNT OF WATER) APPLIED AT A RATE OF 0.10 GPSY. SAND BLOTTER TO BE APPLIED AS NECESSARY.
2. BASED ON THE "R" VALUE OR C.B.R. TESTING, THE BASE AND AC THICKNESS MAY INCREASE.
3. TACK COAT SHALL BE APPLIED BETWEEN THE COARSES OF PLANTMIX SURFACES.
4. SEE GEOTECHNICAL REPORT FOR FURTHER REQUIREMENTS.

1 ROADWAY SECTION

Scale: 1/4"= 1'-0"

MATERIAL LEGEND

- INTEGRAL CURB / WALK LOCATION
- VERTICAL CURBING LOCATION
- SCORE JOINT (TYPICAL)
- CURB AND GUTTER LOCATION
- EXPANSION JOINT (TYPICAL)
- ACCESSIBLE RAMP LOCATION WITH DETECTABLE WARNING SURFACE
- NEW CONCRETE FLATWORK
- SIGN LOCATION- ALL SIGN POLES LOCATED IN TURF AREAS TO RECEIVE CONCRETE MOWSTRIPS- SEE DETAIL 1, 5, 6, 10/SD4.5
- S1 — SITE SIGNAGE IDENTIFICATION
- LIGHT POLE WITH CONCRETE APRON
- LIGHT POLE WITHOUT CONCRETE APRON
- ASPHALT SECTION WITH AGGREGATE BASE, SEE DETAIL 4/SD4.5
- CONCRETE FLATWORK WITH AGGREGATE BASE, SEE DETAIL 3/SD4.5 & 6/SD3.5
- REINFORCED CONCRETE SLAB, SEE DETAIL 7/SD3.8 & 2/SD4.5
- COMPACTED GRAVEL, SEE DETAIL 13/SD4.5
- ASPHALT PAVING IN RIGHT OF WAY, REFER TO DETAIL 1/SD4.0 FOR ROADWAY SECTION.

CALLOUT LEGEND

1. 4" WIDE WHITE PARKING LOT STRIPING, SEE DETAIL 9/SD4.5
2. CROSSWALK STRIPING, SEE DETAIL 12/SD4.5
3. PAINTED ARROWS, SEE DETAIL 7 & 8/SD4.5
4. ACCESSIBLE PARKING STALL LAYOUT, SEE DETAIL 11/SD4.5
5. ACCESSIBLE PARKING SIGN POST AND FOOTING, SEE DETAIL 1 & 5 & 6/SD4.5, TYPICAL OF 4.
6. SIGN POST AND FOOTING, SEE DETAILS 5 & 10/SD4.5, TYPICAL. PROVIDE CONCRETE APRON IN TURF LOCATIONS.
7. CONCRETE COLOR TO MATCH CITY OF JEROME STREETSCAPE STANDARDS NOVEMBER 2022 ALONG LINCOLN STREET. SUBMIT FULL COLOR PALETTE FOR REVIEW AND APPROVAL.
8. PATCH BACK TO MATCH EXISTING
9. SIGN TO BE MOUNTED ON BUILDING. COORDINATE WITH ARCHITECT FOR MOUNTING REQUIREMENTS.

SIGNAGE LEGEND

S1
STOP
30"x 30"

S2
RESERVED PARKING
VAN ACCESSIBLE
STATE APPROVED DISABLED PARKING SIGN 12"x 18"
PROVIDE VAN SIGN WHERE APPLICABLE 12"x 6"

S3
NO PARKING OVER NIGHT
12"x 18"

S4
NO SMOKING NO VAPING
12"x 18"

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SD4.0
MATERIAL, STRIPING & SIGNAGE PLAN

811
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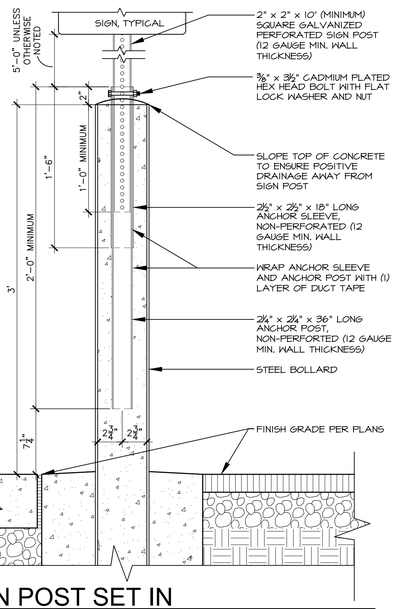
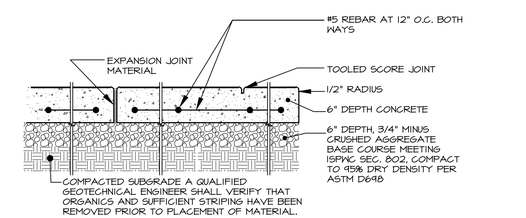


PLAN VIEW

NOTE:
1. TOP OF POST TO BE CUT 1/2" BELOW TOP OF SIGN.

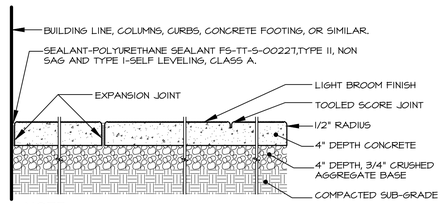
1 SIGN POST SET IN STEEL BOLLARD

Scale: 1-1/2"= 1'-0"



2 REINFORCED CONCRETE FLATWORK

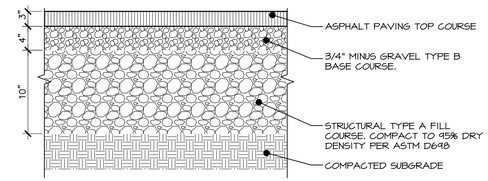
Scale: 1"= 1'-0"



NOTE:
1. JOINTS SHALL BE SPACED EVENLY THROUGHOUT LENGTH OF WALK, AS SHOWN ON DRAWINGS.

3 CONCRETE FLATWORK

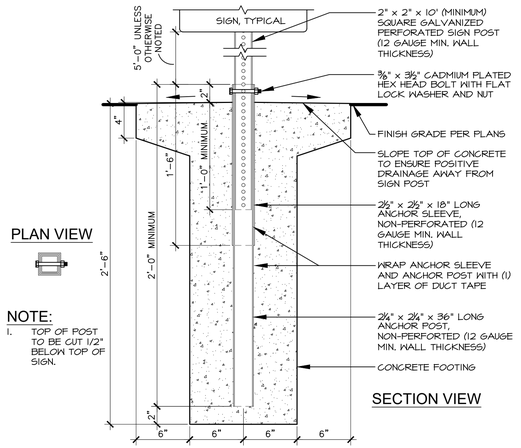
Scale: 1"= 1'-0"



NOTE:
1. CONSTRUCT ALL PAVEMENT MATCHES (INCLUDING UTILITY CUT REPAIRS) TO MATCH THE EXISTING STREET PAVEMENT SECTION OR TO USE THE FOLLOWING; 2.5-INCHES OF ASPHALT, 4-INCHES OF ¾-INCH MINUS CRUSHED AGGREGATE, AND 14-INCHES OF 6-INCH MINUS PIT RUN. USE WHICHEVER PAVEMENT SECTION IS GREATER.

4 ASPHALT PAVING

Scale: 1"= 1'-0"



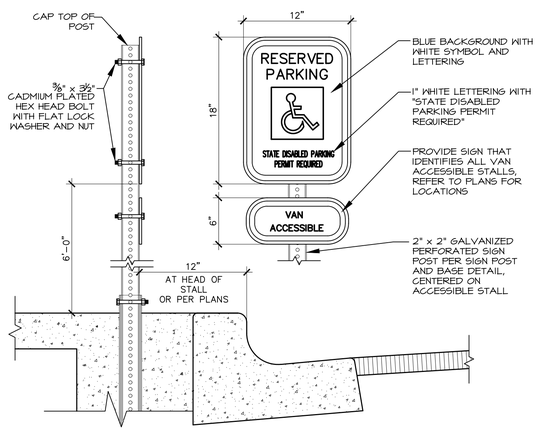
PLAN VIEW

NOTE:
1. TOP OF POST TO BE CUT 1/2" BELOW TOP OF SIGN.

SECTION VIEW

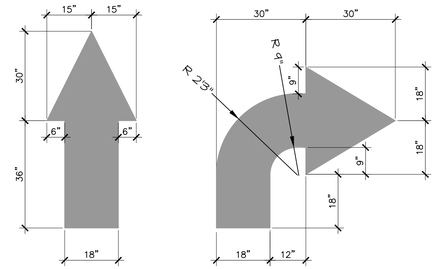
5 SIGN POST AND FOOTING

Scale: 1-1/2"= 1'-0"



6 ACCESSIBLE PARKING SIGN

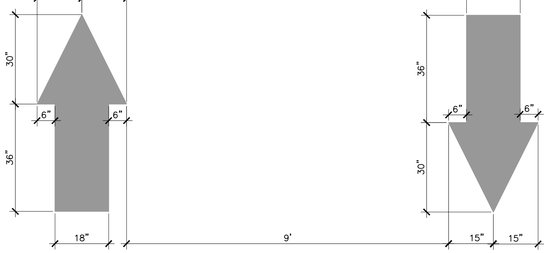
Scale: 1-1/2"= 1'-0"



NOTES:
1. PAINT TRAFFIC LINES SOLID WHITE
2. REFER TO SITE PLAN FOR LOCATION AND DIRECTION.
3. SEE SPECIFICATIONS FOR ADDITONAL INFORMATION

7 PAINTED ARROWS

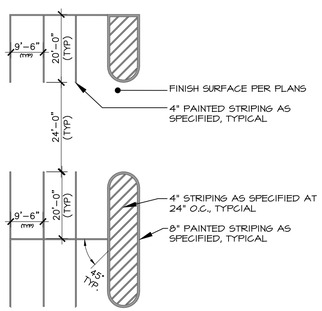
Scale: 1/2"= 1'-0"



NOTES:
1. PAINT TRAFFIC LINES SOLID WHITE
2. REFER TO SITE PLAN FOR LOCATION AND DIRECTION.
3. SEE SPECIFICATIONS FOR ADDITONAL INFORMATION

8 DOUBLE PAINTED ARROWS

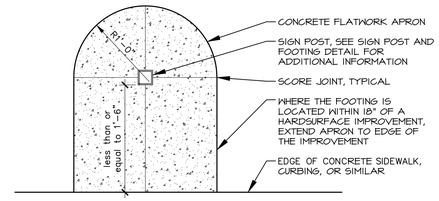
Scale: 1/2"= 1'-0"

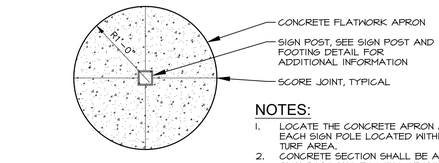


NOTE:
1. REFER TO LAYOUT PLAN FOR SPECIFIC STALL LOCATIONS AND DIMENSIONS.
2. DIMENSIONS ON THE PLANS SHALL SUPERCEDE THOSE OF THE DETAIL

9 PARKING LOT STRIPING

Scale: 1"= 20'-0"

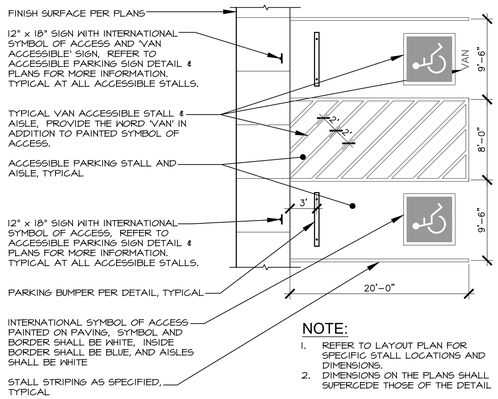




NOTES:
1. LOCATE THE CONCRETE APRON AROUND EACH SIGN POLE LOCATED WITHIN A TURF AREA.
2. CONCRETE SECTION SHALL BE AS PER SIGN POST AND FOOTING DETAIL.

10 SIGN POST APRON

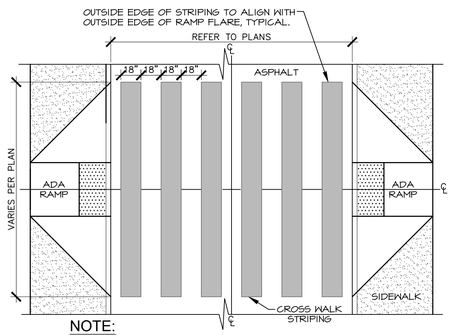
Scale: 1"= 1'-0"



NOTE:
1. REFER TO LAYOUT PLAN FOR SPECIFIC STALL LOCATIONS AND DIMENSIONS.
2. DIMENSIONS ON THE PLANS SHALL SUPERCEDE THOSE OF THE DETAIL

11 ACCESSIBLE PARKING STALL LAYOUT

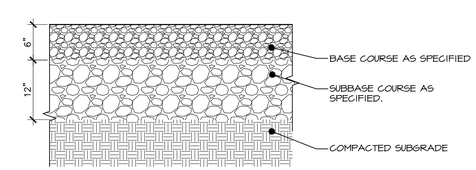
Scale: 1/8"= 1'-0"



NOTE:
1. REFER TO LAYOUT PLAN FOR EXACT LOCATIONS OF CROSSWALKS.
2. CROSS WALK STRIPING SHALL BE SOLID WHITE.
3. PAVEMENT MARKINGS SHALL BE PER I.S.P.W.C. SECTION 1104.

12 CROSSWALK STRIPING

Scale: 3/16"= 1'-0"



13 GRAVEL DRIVE ACCESS ROAD

Scale: 1"= 1'-0"

LKV ARCHITECTS
2400 E RIVERWALK DRIVE
BOISE, IDAHO 83706
WWW.LKVARCHITECTS.COM
208.336.3443

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STATE OF IDAHO
JON FRITZ BRECKON
No. LA-16536
REGISTERED LANDSCAPE ARCHITECT
10/28/2024

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

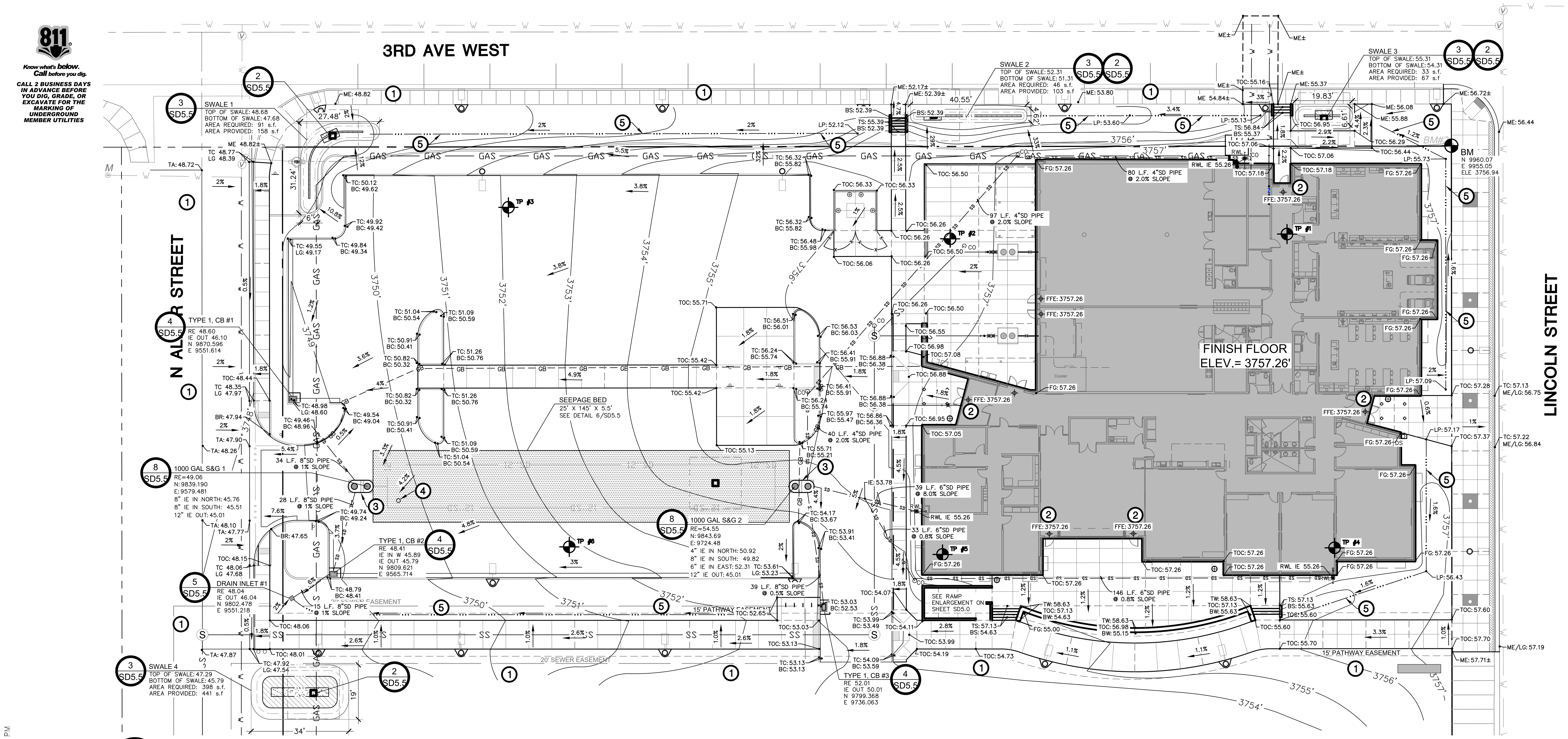
DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

DRAWN BY: CI
CHECKED BY: JB

BID SET

DRAWING NO.
SD4.5
MATERIAL, STRIPING, & SIGNAGE DETAILS

S:_proyects\2022\22113 csi jerome to\CAD\SHEETS\22113 Materials.dwg plotted by: kahrosbree on Wed, October 23 2024 at 04:22 PM



GRADING AND DRAINAGE PLAN

SCALE: 1"= 20'-0"

STORM DRAIN NOTES

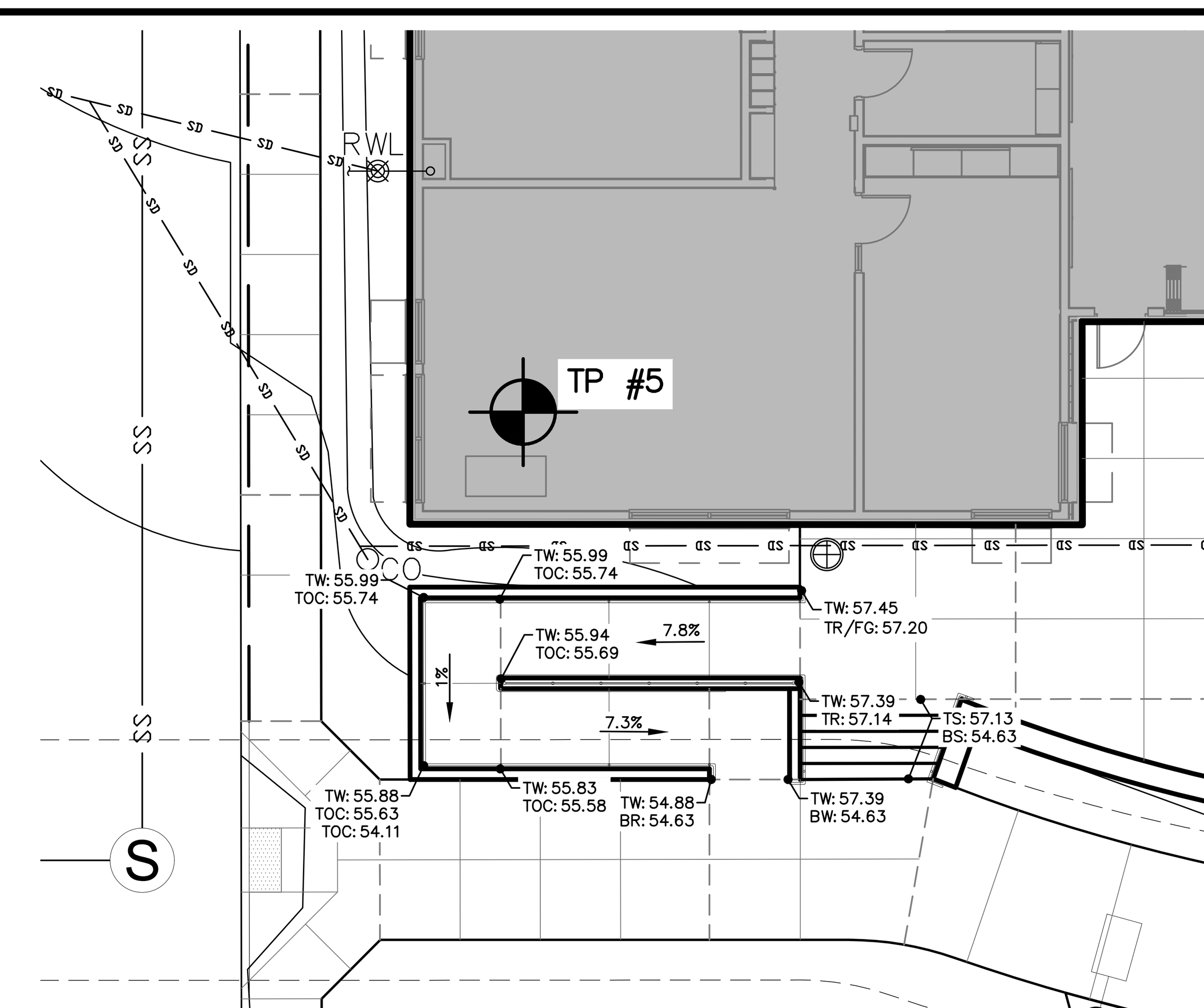
1. PROVIDE METALLIC LINED PLASTIC UNDERGROUND WARNING TAPE AT ALL PIPE LOCATIONS.
2. ALL POTABLE/NONPOTABLE WATER PIPING RELATIONSHIPS MUST COMPLY WITH CITY OF JEROME, ISPWC, AND IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS. THE HORIZONTAL SEPARATION OF NON-POTABLE SERVICES AND POTABLE WATER SERVICES OR POTABLE WATER MAINS SHALL BE A MINIMUM OF SIX (6) FEET. WHERE IT IS NECESSARY FOR A POTABLE WATER MAIN AND NON POTABLE WATER MAIN TO CROSS WITH LESS THAN EIGHTEEN (18) INCHES OF VERTICAL SEPARATION, THE CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 542.07 OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08) AND SECTION 430.02 OF THE WASTEWATER RULES (IDAPA 58.01.16). ALL CROSSINGS MUST BE WITNESSED BY A REPRESENTATIVE OF BRECKON LAND DESIGN.
3. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
4. ALL PIPE AND PIPE JOINTS SHALL MEET AASHTO M-294, TYPE S PIPE REQUIREMENTS.
5. EXCAVATE SEEPAGE BEDS A MIN. OF 12" INTO FREE DRAINING MATERIAL.
6. DRAIN ROCK SHALL BE 1.5"-2" CLEAN ANGULAR WASHED DRAIN ROCK.
7. THE SIZE OF THE DRAINAGE AREA SHALL BE ENLARGED IF GROUND WATER IS ENCOUNTERED ABOVE THE BOTTOM OF THE DRAINAGE BED. IF THIS SITUATION OCCURS, CONTACT THE DESIGN PROFESSIONAL IMMEDIATELY FOR NEW SEEPAGE BED SIZING.
8. ALL DRAINAGE FACILITIES MUST BE INSPECTED BY BRECKON LAND DESIGN DURING INSTALLATION TO ENSURE SYSTEM CERTIFICATION BY DESIGN PROFESSIONAL. 24 HOURS NOTICE REQUIRED. SYSTEM MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL IN ORDER TO ACHIEVE PERMANENT OCCUPANCY PERMIT.
9. PROVIDE POSITIVE DRAINAGE (MINIMUM ONE PERCENT) FROM ALL RAINWATER LEADERS TO DRAINAGE STRUCTURES AND ENSURE EIGHTEEN INCHES (18") OF COVER OVER ALL RAINWATER LEADERS TO ENSURE ADEQUATE FROST PROTECTION.
10. CONTRACTOR SHALL COORDINATE CONNECTION OF ROOF DRAINS WITH MECHANICAL CONTRACTOR. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION OF ROOF DRAINS. ROOF DRAINS EXTEND FIVE FEET (5'-0") OUTSIDE THE BUILDING. CONNECT CLEANOUT/ STORM DRAIN AT THIS POINT.
11. LOCATE SUBSURFACE STORM WATER DISPOSAL FACILITIES AT LEAST 25 FEET FROM WATER MAINS. THIS REQUIREMENT DOES NOT APPLY TO CATCH BASINS OR SAND AND GREASE VAULTS.
12. SEEPAGE BED MUST BE FIVE FEET (5'-0") BACK FROM PROPERTY LINE AND NO GRADING SHALL BE PERMITTED WITHIN TWO FEET (2'-0") OF THE PROPERTY LINE.
13. ALL DRAINAGE FACILITIES MUST BE INSPECTED BY THE CITY PUBLIC WORKS. 24 HOURS NOTICE REQUIRED. CALL 208-608-7171.

GRADING NOTES

1. BENCHMARK: ½" REBAR WITH ORANGE PLASTIC CAP ON NORTHEAST PROPERTY CORNER VERIFY WITH EXISTING CONDITIONS. VERTICAL DATUM = 3756.94.
2. CONTOUR INTERVAL EQUALS ONE FOOT (1'-0").
3. ADD 3700' TO ALL SPOT ELEVATIONS.
4. CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS NOTED ON THIS PLAN AND NOTIFY THE DESIGN PROFESSIONAL WHEN ELEVATIONS DO NOT MATCH PLANS.
5. ALL TEST PITS LOCATED BENEATH STRUCTURES OR UNDER PAVEMENT AREAS, SHALL BE RE-EXCAVATED, BACKFILLED AND COMPACTED WITH APPROVED STRUCTURAL FILL, AS SPECIFIED.
6. COORDINATE ALL EARTHWORK OPERATIONS WITH MECHANICAL, AND ELECTRICAL ENGINEERING SHEETS.
7. GRADES SHOWN ARE FINISH GRADES.
8. ALL FINISHED GRADES SHALL BE SMOOTH AND UNIFORM.
9. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING.
10. PROVIDE POSITIVE DRAINAGE TO DRAINAGE STRUCTURES, CURB CUTS, DRAINAGE SWALES, AND DRAIN INLETS.
11. ALL SLOPES SHALL BE GRADED AS NOTED PER PLAN.
12. ALL SLOPES SHALL BE GRADED TO A MAXIMUM OF 5:1 UNLESS OTHERWISE NOTED.
13. ALL FINISH GRADES IN EXCESS OF 2:1 SLOPE SHALL BE ARMORED WITH RIP-RAP, 4"-12" DIAMETER ROCK.
14. CONTOURS AND LABELED SLOPES ARE TO CONVEY GENERAL GRADING CONCEPT. SPOT ELEVATIONS TAKE PRECEDENCE.
15. ALL CONCRETE SIDEWALKS SHALL HAVE A MINIMUM OF ONE PERCENT (1%) CROSS SLOPE UNLESS OTHERWISE NOTED.
16. THE BOTTOM BASIN LEVEL OF ALL DRAINAGE SWALES SHALL BE FLAT AND SMOOTH UNLESS NOTED OTHERWISE.
17. ALL CHANGES REQUIRE APPROVAL BY THE DESIGN PROFESSIONAL AND THE APPROVING AGENCIES.
18. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
19. REFER TO SUMMARY PLAN FOR SITE WORK PHASING, ALTERNATES, AND COORDINATION WITH WORK BY OTHERS.
20. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE DESIGN PROFESSIONAL.

CONSTRUCTION NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR REQUIREMENTS OF THE CITY PUBLIC WORKS DEPARTMENT, AND/OR THE COUNTY HIGHWAY DISTRICT.
2. ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES, AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
3. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE I.S.P.W.C., AND THE APPROPRIATE LOCAL AGENCIES.
4. THE CONTRACTOR SHALL OBTAIN THE APPROPRIATE PERMITS FROM ALL GOVERNMENT/LOCAL AGENCIES PRIOR TO STARTING CONSTRUCTION.
5. ALL CONSTRUCTION IN THE RIGHT-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE I.S.P.W.C. AND THE COUNTY HIGHWAY DISTRICT SUPPLEMENTAL SPECIFICATIONS. NO EXCEPTIONS TO SPECIFICATIONS OR THE I.S.P.W.C. WILL BE ALLOWED UNLESS SPECIFICALLY AND PREVIOUSLY APPROVED IN WRITING BY THE ENFORCING AGENCY.
6. ALL CONTRACTORS WORKING WITHIN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO SECURE A RIGHT-OF-WAY CONSTRUCTION PERMIT FROM IDOPL AT LEAST 24 HOURS PRIOR TO ANY CONSTRUCTION.
7. ANY CHANGE FROM THE PLANS SHALL BE APPROVED BY THE DESIGN PROFESSIONAL.
8. THE CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EXCAVATION. 1-800-342-1585.
9. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ANY AND ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND IMPROVEMENTS. ANY DAMAGE TO EXISTING FACILITIES OR IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATIONS, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
11. IF THE OWNER/CONTRACTOR ELECTS TO IMPORT FILL MATERIALS, WASTE SOIL SHALL BE HAULED TO AN OFFSITE DISPOSAL SITE FURNISHED BY THE CONTRACTOR.
12. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING. STAKING SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR WITHIN THE STATE OF IDAHO.
13. CONTRACTOR SHALL PROVIDE SUBMITTALS FOR THE FOLLOWING PRIOR TO CONSTRUCTION:
    A. 6" MINUS UNCRUSHED AGGREGATE BASE COURSE FOR PAVEMENT SECTION.
    B. 3/4" MINUS CRUSHED AGGREGATE BASE COURSE FOR PAVEMENT SECTION.
    C. ASPHALT PAVEMENT MIX DESIGN FOR PAVEMENT SECTION.
    D. CONCRETE PAVEMENT MIX DESIGN FOR PAVEMENT SECTION.
    E. CATCH BASIN INLETS
    F. STORM DRAIN PIPING
    G. FILTER FABRIC
    H. 2" WASHED DRAIN ROCK AND ASTM C-33 FILTER SAND USED IN SEEPAGE BED
    I. SUBGRADE COMPACTION TEST PROCEDURE
    J. BASE COMPACTION TEST PROCEDURE
14. PROVIDE SUBGRADE AND BASE COURSE COMPACTION TEST RESULTS (DURING CONSTRUCTION) TO BRECKON LAND DESIGN. COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D1557, 95%.
15. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS, OPERATIONS OF THE OWNER, AND LOCAL AGENCIES.
16. ALL MATERIAL FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCIES OR AS SET FORTH HEREIN, WHICHEVER IS MORE RESTRICTIVE. CONTRACTORS MUST FURNISH PROOF THAT ALL MATERIALS INSTALLED ON THIS PROJECT MEET THE REQUIREMENTS OF STORM DRAIN NOTE #2 AT THE REQUEST OF THE APPROVING AGENCY AND/OR THE DESIGNER.
17. THE CONTRACTOR SHALL DETERMINE THE WORK SUBJECT TO APPROVAL BY ANY POLITICAL SUBDIVISION OR AGENCY MUST BE APPROVED PRIOR TO
    A. BACKFILLING TRENCHES FOR PIPE;
    B. PLACING OF AGGREGATE BASE;
    C. PLACING OF CONCRETE;
    D. PLACING OF ASPHALT PAVING.
    WORK DONE WITHOUT SUCH APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER.
18. ONLY PLAN SETS STAMPED "APPROVED FOR CONSTRUCTION" AND SIGNED BY THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE SHALL BE USED BY THE PROJECT CONTRACTOR(S). USE OF ANY PLANS ON THE JOB WITHOUT THE "APPROVED FOR CONSTRUCTION" STAMP SHALL BE GROUNDS FOR THE ISSUANCE OF A STOP WORK ORDER.
19. THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES, A COPY OF THE APPROVED CONSTRUCTION PLANS ON WHICH IS RECORDED THE ACTUAL LOCATIONS OF THE PROPOSED IMPROVEMENTS AND ANY OTHER UTILITIES ENCOUNTERED. THE CONTRACTOR SHALL PROVIDE THESE LOCATIONS TO THE DESIGNER FOR USE IN THE PRODUCTION OF RECORD DRAWINGS PRIOR TO FINAL APPROVAL OF THE IMPROVEMENTS.
20. THE DESIGN PROFESSIONAL SHALL SUBMIT RECORD DRAWINGS TO THE PUBLIC WORKS DEPARTMENT AS PRESCRIBED BEFORE FINAL APPROVAL IS GIVEN TO THE PROJECT.



RAMP ENLARGEMENT

SCALE: 1"= 10'-0"

GRADING LEGEND

1040'	PROPOSED CONTOUR
1050	EXISTING CONTOUR
15 L.F. 4"@ 2%	DRAIN PIPE AS SPECIFIED, SIZE AS NOTED ON PLAN
GRADE BREAK GB	GRADE BREAK LINE
TC 1132.76± BC 1132.26	SPOT ELEVATION
2.55%	FLOW DIRECTION AND GRADIENT
	EXTENTS OF SEEPAGE BED
	EXTENTS OF SWALE BASIN
	SAND WINDOW IN SWALE
	INTEGRAL CURB/WALK LOCATION
	VERTICAL CURB LOCATION
	CURB AND GUTTER LOCATION
	SCORE JOINT (TYPICAL)
	EXPANSION JOINT (TYPICAL)
	ACCESSIBLE RAMP LOCATION WITH DETECTABLE WARNING SURFACE
	NEW CONCRETE FLATWORK
TC/LG	TOP OF CURB/LIP OF GUTTER
TR/BR	TOP OF RAMP/BOTTOM OF RAMP
TW/BW	TOP OF WALL/BOTTOM OF WALL
TS/BS	TOP OF STAIR/BOTTOM OF STAIR
FFE	FINISHED FLOOR ELEVATION
RE	RIM ELEVATION
IE	INVERT ELEVATION
ME	MATCH EXISTING ELEVATION
TA	TOP OF ASPHALT ELEVATION
TOC	TOP OF CONCRETE ELEVATION
TC/BC	TOP OF CURB/BOTTOM OF CURB
FG	FINISH GRADE
LP	LOW POINT
RWL	RAIN WATER LEADER, SEE DETAIL 9/SD5.5.
CO	CLEAN OUT LOCATION, SEE DETAIL 11/SD5.5.
DI #1 RE 48.92 N 2025.64 E 3758.98	DRAIN INLET AS SPECIFIED, SEE DETAIL 5/SD5.5
TYPE 1, CB #1 RE 48.92 N 2025.64 E 3758.98	CATCH BASIN - TYPE 1, SEE DETAIL 4/SD5.5
1000 GAL S&G #1 RE 48.92 N 2025.64 E 3758.98 6" IE IN=40.40 12" IE IN=39.90 12" IE OUT=39.50	1000 GAL. SAND AND GREASE TRAP, BY AMCOR PRECAST, SEE DETAIL 8/SD5.5
BM	BENCHMARK
TP #1	APPROXIMATE SOIL TESTING LOCATION (VERIFY EXACT LOCATION) - SEE GEOTECHNICAL ENGINEERING REPORT
	REQUIRED TEST PIT LOCATION, SEE DETAIL 2/SD5.5

CALLOUT LEGEND

1. PROVIDE SMOOTH TRANSITIONS BETWEEN NEW AND EXISTING GRADES.
2. SLOPE ALL SURFACES ADJACENT TO DOORWAYS A MAXIMUM OF 2.0% AND NO LESS THAN 1.0% FOR A MINIMUM DISTANCE OF 5 FEET FROM BUILDING TO COMPLY WITH ADA REGULATIONS.
3. CONCRETE APRON AT SAND AND GREASE TRAP, SEE DETAIL 7/SD5.5
4. OBSERVATION WELL, PER DETAIL 1/SD5.5
5. PROVIDE 6" CONVEYANCE SWALE TO DIRECT WATER AS SHOWN AND PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING AND TO DRAIN INLETS. ALL STORM WATER SHALL REMAIN ON SITE.

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2400 E RIVERWALK DRIVE
BOISE, IDAHO 83706
WWW.LKVARCHITECTS.COM
208.336.3443

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STATE OF IDAHO – JON FRITZ BRECKON – LA-16536 – 10/28/2024 – LICENSED LANDSCAPE ARCHITECT

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

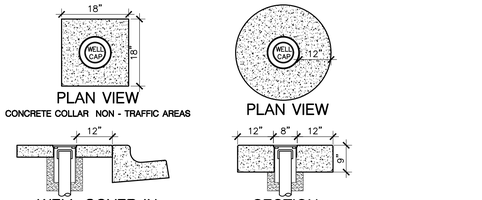
DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

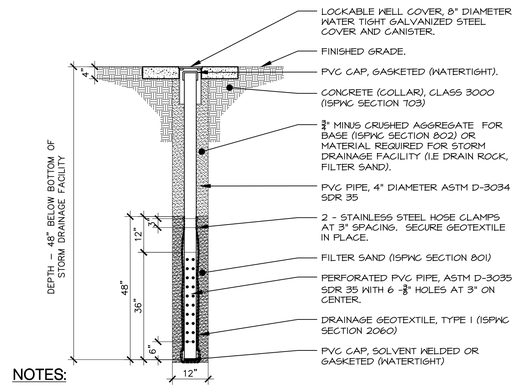
DRAWN BY: CI
CHECKED BY: JB

BID SET

DRAWING NO.
SD5.0
GRADING AND DRAINAGE PLAN

811
Know what's below. Call before you dig.
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

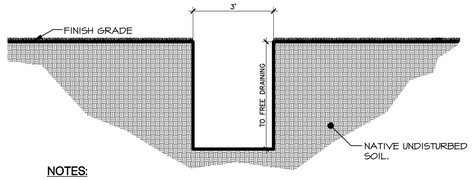




NOTES:
1. WELLS ARE FOR OBSERVATION OF GROUNDWATER LEVEL NEAR STORM DRAINAGE FACILITIES.
2. LOCATION OF GROUND OBSERVATION WELLS SHALL BE APPROVED BY CITY ENGINEER.

1 GROUNDWATER OBSERVATION WELL SECTION

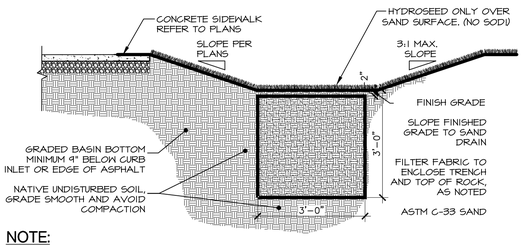
Scale: 1/2"= 1'-0"



NOTES:
1. TEST PIT SHALL BE DUG TO VERIFY THE DEPTH OF FREE DRAINAGE SOILS.
2. EXCAVATION BEYOND 12'-0" BELOW FINISH GRADE SHALL BE PERFORMED AS DIRECTED AT UNIT COST PRICE.
3. TEST PIT SIDEWALLS SHALL BE STABILIZED TO MEET ALL OSHA REQUIREMENTS.

2 DRAINAGE TEST PIT

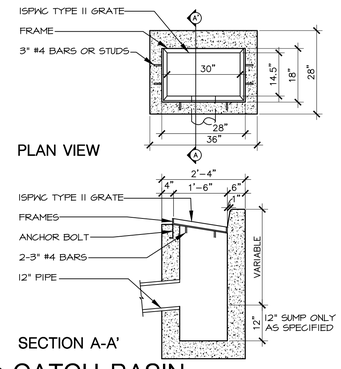
NOT TO SCALE



NOTE:
1. THE USE OF SILTY LOAM OR CLAY IS PROHIBITED FROM USE AS BASIN BOTTOM MATERIAL.
2. DO NOT COMPACT BASIN AREA WITH HEAVY EQUIPMENT. IF COMPACTION OCCURS, RIP TO 12" AND REGRADE.
3. IN THE EVENT THE SWALE IS USED AS A SEDIMENT BASIN. REMOVE SILT, REGRADE TO SPECIFIED TOLERANCES.
4. REFER TO SPECIFICATIONS FOR SWALE PERCOLATION TESTING REQUIREMENTS.
5. CONTRACTOR SHALL EXCAVATE A TEST PIT AT SWALE LOCATION TO CONFIRM THE DEPTH TO FREE DRAINING SOILS AND GROUNDWATER IN THE PRESENCE OF THE DESIGN PROFESSIONAL.

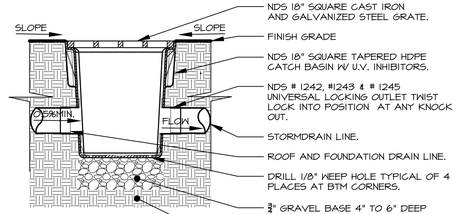
3 GRASS SWALE SECTION

Scale: 1/2"= 1'-0"



4 CATCH BASIN TYPE ONE

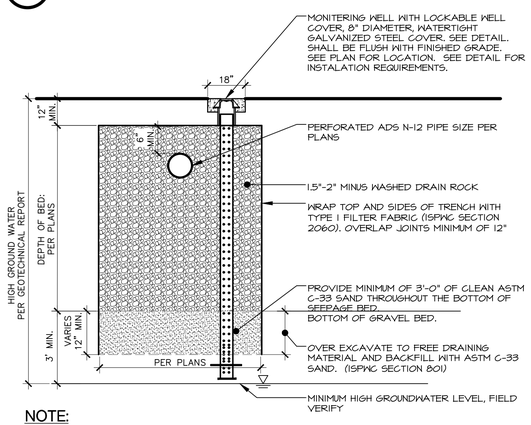
Scale: 1/2"= 1'-0"



NOTE:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. GRATE TO BE ATTACHED TO CATCH BASIN WITH SCREW PROVIDED AT TIME OF INSTALLATION.

5 DRAIN INLET

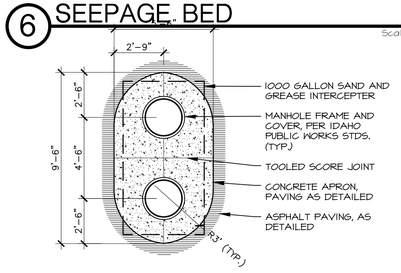
Scale: 1"= 1'-0"



NOTE:
1. CONTRACTOR SHALL EXCAVATE A TEST PIT AT ALL SEEPAGE BED LOCATIONS TO CONFIRM THE DEPTH TO FREE DRAINING SOILS AND GROUNDWATER IN THE PRESENCE OF THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL PROCEED WITH MODIFIED SEEPAGE BED CONFIGURATION (CONFIGURED TO MAINTAIN PLAN VOLUMES) AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
3. IF GROUND WATER IS LESS THAN 3'-0" TO THE BOTTOM OF SEEPAGE BED, CONTACT LANDSCAPE ARCHITECT IMMEDIATELY FOR REDESIGN. SEE SOILS REPORT FOR ADDITIONAL INFORMATION.

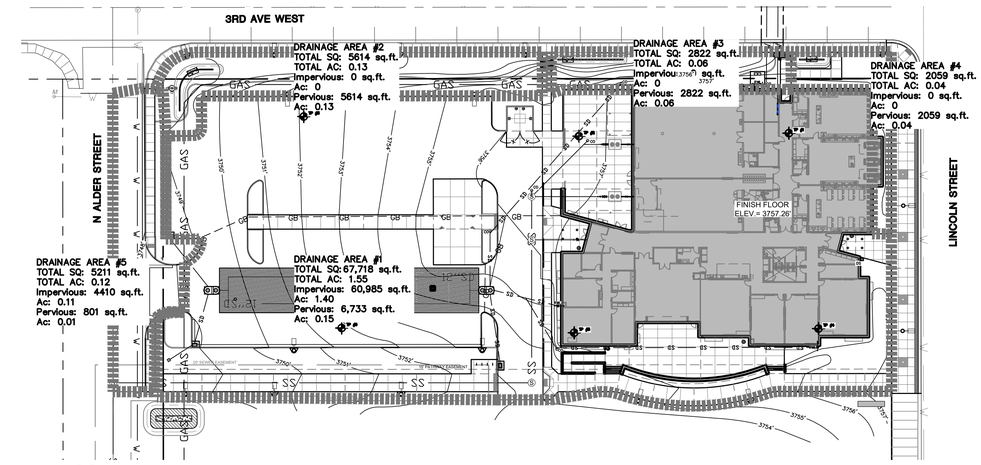
6 SEEPAGE BED

Scale: 3/8"= 1'-0"



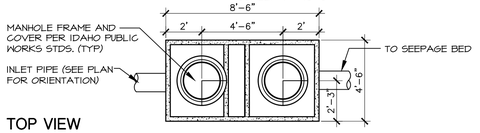
7 SAND AND GREASE TRAP CONCRETE APRON

Scale: 1/4"= 1'-0"

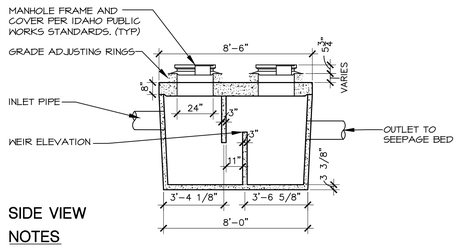


DRAINAGE BASIN AREA MAP

40 0 40 80 120
SCALE: 1"= 40'-0"



TOP VIEW

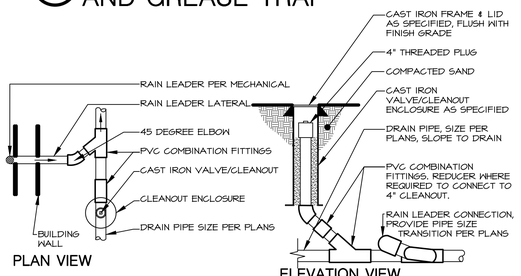


SIDE VIEW

NOTES
1. 1000 GALLON PRECAST CONCRETE BOX USE FABRICATORS STARDARD SIZE AS MANUFACTURED BY ANCOR PRECAST.
2. INV. IN. > WEIR ELEV. BY 1" MIN. UNLESS OTHERWISE INDICATED ON PLANS.
3. INV. OUT < WEIR ELEV. BY 3" MIN. UNLESS OTHERWISE INDICATED ON PLANS.

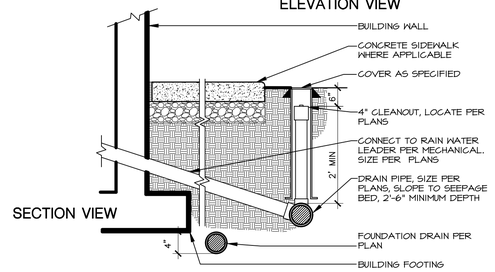
8 1000 GALLON SAND AND GREASE TRAP

Scale: 1/4"= 1'-0"



PLAN VIEW

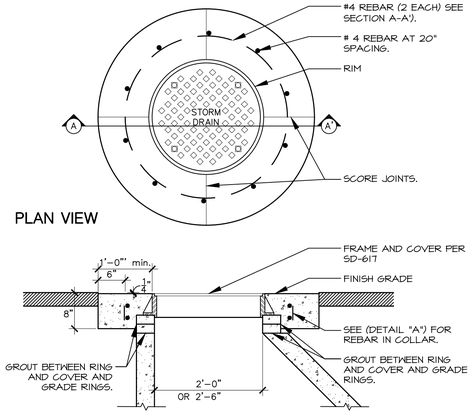
ELEVATION VIEW



SECTION VIEW

9 RAIN WATER LEADER CONNECTION

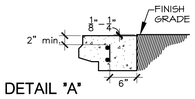
Scale: 1/2"= 1'-0"



PLAN VIEW

SECTION A-A'

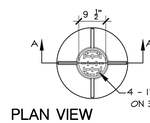
NOTE:
1. TOP OF COVER TO BE FLUSH WITH MANHOLE COVER.
2. FIBER-REINFORCED CONCRETE MAY BE USED IN LIEU OF REBAR.
3. SEE ISPWC SD-616 FOR ADDITIONAL INFORMATION.



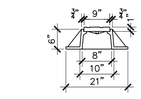
DETAIL "A"

10 CONCRETE MANHOLE APRON

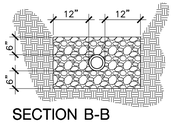
Scale: 3/4"= 1'-0"



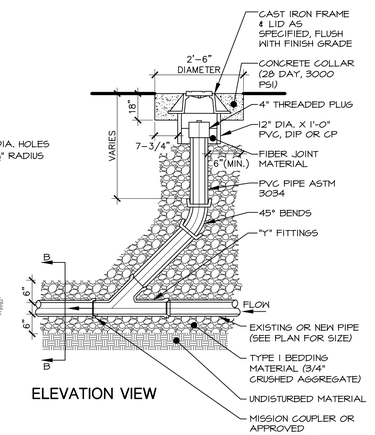
PLAN VIEW



SECTION A-A



SECTION B-B



ELEVATION VIEW

NOTES:
1. SEE ISPWC STANDARD DRAWING SD-506A FOR ADDITIONAL INFORMATION.

11 CLEAN-OUT DETAIL

Scale: 1/2"= 1'-0"

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BOISE, IDAHO 83706
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STATE OF IDAHO
JON FRITZ BRECKON
LICENSED LANDSCAPE ARCHITECT
Jon Breckon
LA-16536
10/28/2024

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

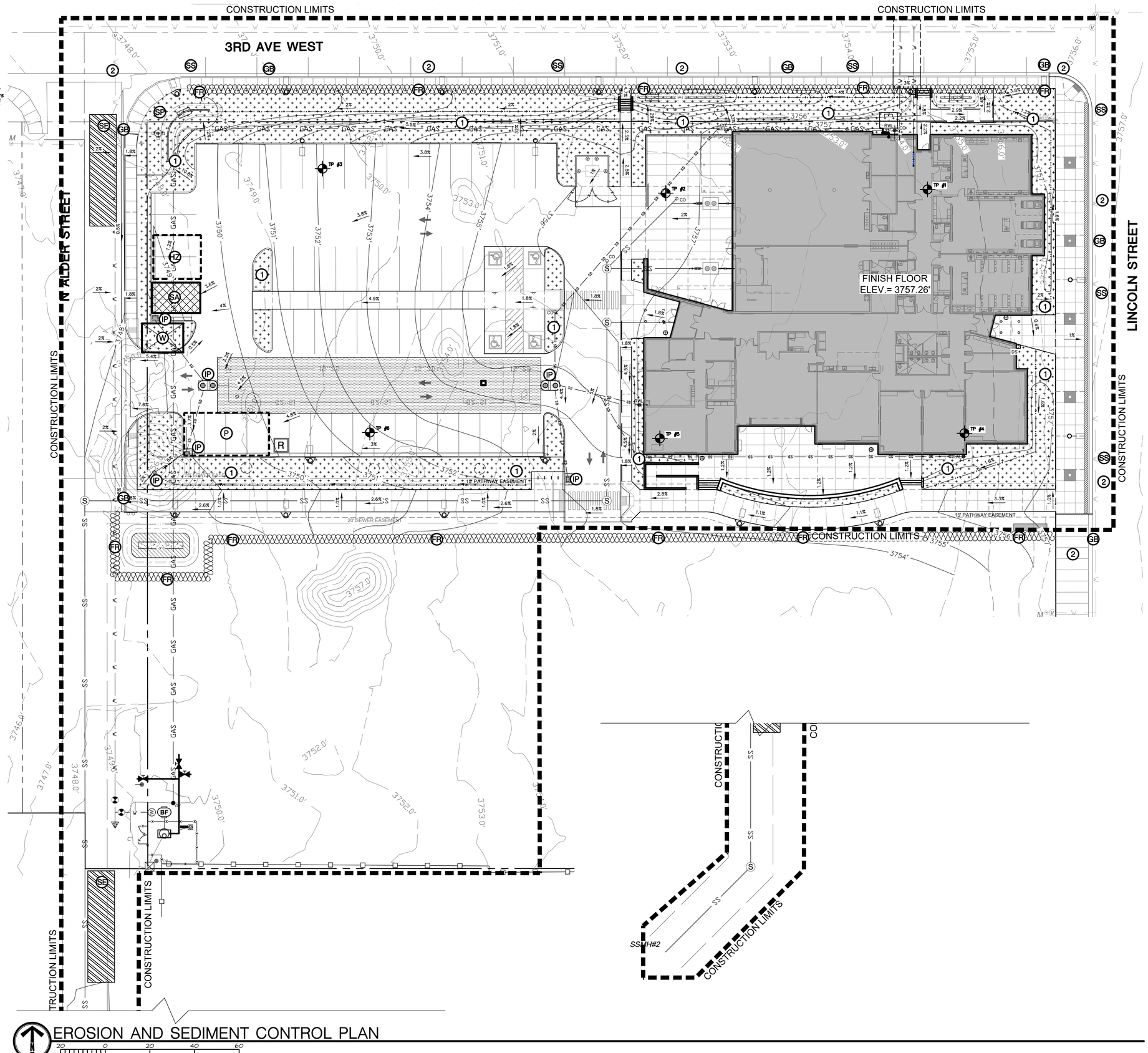
DRAWN BY: CI
CHECKED BY: JB

BID SET

DRAWING NO.
SD5.5
GRADING AND DRAINAGE DETAILS

811 Know what's below. Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

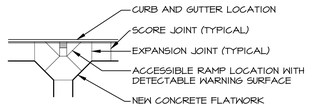


EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"= 20'-0"

EROSION & SEDIMENTATION CONTROL LEGEND

- (IP) INLET PROTECTION. PRIOR TO CONSTRUCTION INSTALL SEDIMENT BARRIER PER STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #74. MAINTAIN UNTIL ALL CONSTRUCTION IS COMPLETE. REMOVE SEDIMENT BUILD UP AS NEEDED.
  IN TURF AREAS PROVIDE: FILTER FABRIC FENCE INLET FILTER OR APPROVED EQUAL.
  IN ASPHALT AREAS PROVIDE: DANDY BAG OR DANDY CURB BAG OR APPROVED EQUAL.
  (800) 591-2284, www.dandyproducts.com
- (SE) STABILIZED ENTRANCE. PRIOR TO CONSTRUCTION INSTALL AND MAINTAIN 50 FEET OF 6" MINUS PITRUN MATERIAL AS INDICATED PER THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #41, THIS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL BASE MATERIAL IS INSTALLED. PROVIDE SWEEPING DAILY OR AS NEEDED TO REMOVE ANY TRACKING OF MUD AND/OR DIRT ONTO EXISTING ASPHALT BMP#15.
- (FR) FIBER ROLLS OR STRAW WATTLES. INSTALL FIBER ROLLS AS INDICATED PER THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES BMP #64.
- (W) CONCRETE WASHOUT LOCATION. BMP #49
- (HZ) HAZARD MATERIALS STORAGE AREA WITH SPILL KIT AND WASTE CONTAINER. BMP #48
- (P) CONTRACTOR PARKING AREA
- (SA) STAGING AREA FOR EQUIPMENT AND MATERIAL STORAGE, BMP #37.
- (DP) POTENTIAL RECEIVING WATERS POINT OR SITE DISCHARGE POINT.
- (SP) POST CITY ISSUED EROSION CONTROL AND STORM WATER MANAGEMENT SIGN
- (GB) PROVIDE GRAVEL BAG AT FLOW LINE OF CURB/GUTTER AT THIS LOCATION.
- (SS) INCREASED STREET SWEEPING, WASHING & CLEANING MEASURES DURING ROAD FRONTAGE CONSTRUCTION. BMP#15.
- (R) PORTABLE RESTROOM LOCATION
- 2.55% FLOW DIRECTION AND GRADIENT



1050 PROPOSED CONTOURS

1050 EXISTING CONTOURS

CONSTRUCTION LIMITS, EXTENTS OF SITE DISTURBANCE

PROPOSED BUILDING

PROPOSED TURF AND LANDSCAPED AREA, BMP #32

CALLOUT LEGEND

1. PROPOSED LAWN AND LANDSCAPING FINAL STABILIZATION, BMP #32.
2. EXISTING CONCRETE SIDEWALK AND IMPERVIOUS AREAS TO REMAIN.

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2400 E RIVERWALK DRIVE
BOISE, IDAHO 83706
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BID SET

DRAWING NO.
SD6.0
EROSION AND SEDIMENT CONTROL PLAN

811
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PROJECT DESCRIPTION

A. PURPOSE
CONSTRUCT A NEW BUILDING AND PARKING LOT FOR COLLEGE OF SOUTHERN IDAHO AND ALL ASSOCIATED SITE IMPROVEMENTS AS SHOWN ON THE SITE CONSTRUCTION PLANS PREPARED BY BRECKON LAND DESIGN, INC.

B. LOCATION
GENERALLY, THE SUBJECT PROPERTY IS LOCATED ON THE SOUTH WEST CORNER OF 3RD AVE AND LINCOLN IN JEROME, IDAHO. THE PROPERTY IS SITUATED IN A PORTION OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 13, TOWNSHIP 8 SOUTH, RANGE 16 EAST, BOISE MERIDIAN, JEROME COUNTY, IDAHO.

C. SITE DESCRIPTION AND DRAINAGE
CURRENTLY ON THE SITE IS A GRAVEL LOT. THE WATER CURRENTLY FLOW ACROSS THIS SURFACE TO THE WEST TO AN UNKNOWN LOCATION OFF SITE. SLOPES ON THE SITE ARE VARIED BEING RELATIVELY LOW AT 2% ACROSS THE GRAVEL LOT.

1. EXISTING DRAINAGE
ALL DRAINAGE IS NOT CONTAINED ON SITE. THE DRAINAGE FROM THE LANDSCAPE CURRENTLY IS DIRECTED ACROSS THE SITE TO THE WEST AND IS CARRIED TO AN UNKNOWN DESTINATION.

2. DRAINAGE DURING CONSTRUCTION
DRAINAGE WILL BE CONTAINED ON SITE. EXISTING VEGETATION WILL BE PRESERVED TO THE EXTENT PRACTICAL TO HELP PREVENT EROSION. STRAW WATTLES WILL BE INSTALLED ALONG PORTIONS OF THE LIMITS OF DISTURBANCE TO PREVENT RUNOFF. DROP INLET INSERTS AND GRAVEL BAGS OR STRAW WATTLES WILL BE INSTALLED IN ALL EXISTING AND PROPOSED CATCH BASINS.

3. POST CONSTRUCTION
ALL TREATMENT AND RETENTION OF STORM WATER WILL BE CONTAINED ON SITE. STORM WATER FROM THE PARKING LOT AND ROOF DRAINAGE WILL BE CAUGHT IN DRAIN INLETS- ONE LOCATED IN THE SOUTH EAST DRIVE AISLE, ONE IN THE SOUTH WEST CORNER OF THE PARKING LOT AND ONE ON THE WEST SIDE OF THE PARKING LOT. THEN WILL BE PIPED TO A SEEPAGE BED LOCATION IN THE SOUTHERN PART OF THE PARKING LOT. WATER FLOWING ON THE NORTH SIDE OF THE PROPERTY WILL BE COLLECTED IN A SERIES OF SWALES TO PREVENT IT FROM GOING OFF SITE. SEE THE GRADING AND DRAINAGE SHEETS FOR MORE INFORMATION.

D. DISTURBED AREA
TOTAL DISTURBED AREA WILL BE APPROXIMATELY 3.37 ACRES. SEE THE EROSION AND SEDIMENT CONTROL DRAWING FOR MORE INFORMATION.

ESC BMP IMPLEMENTATION

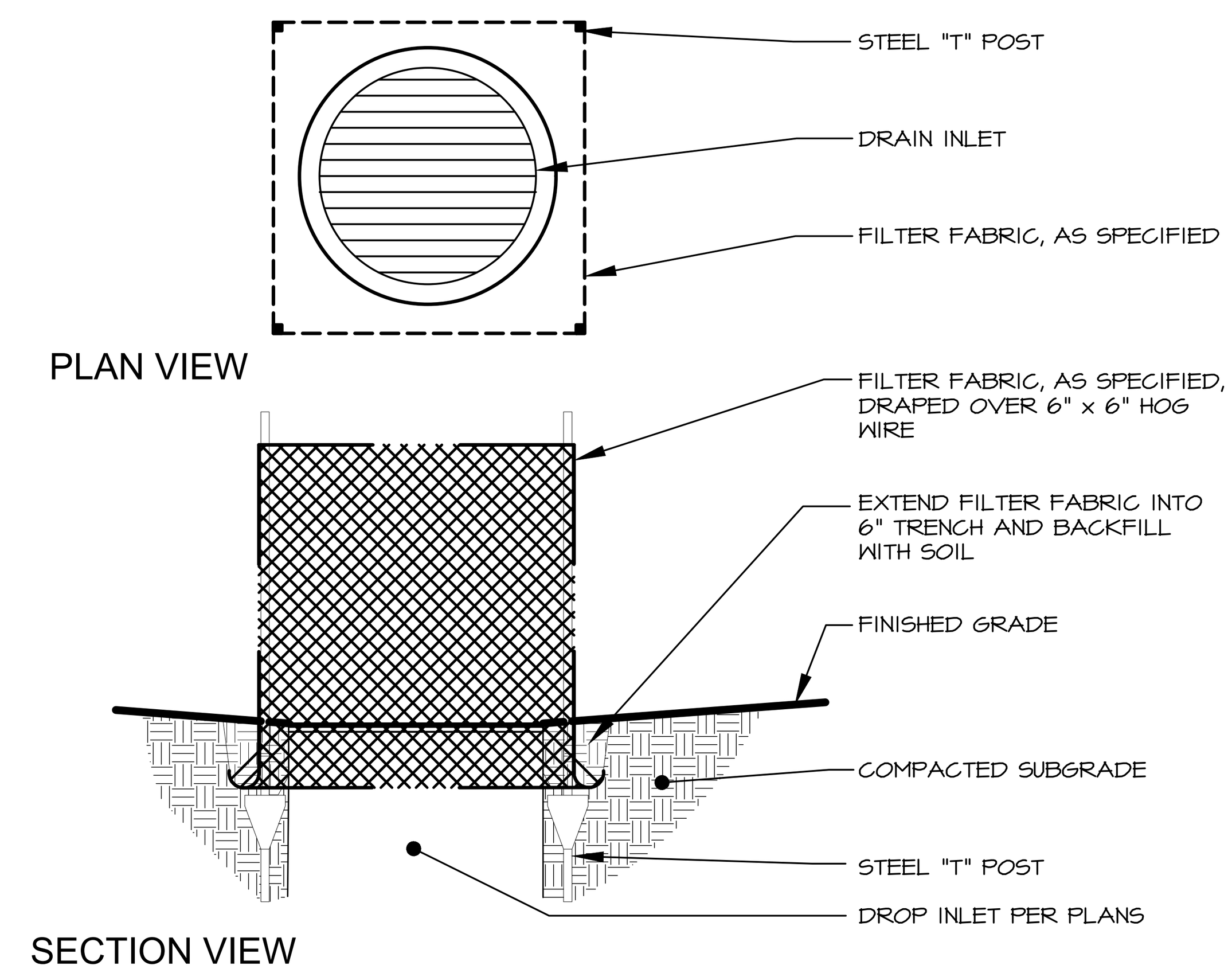
1. SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS CONSTRUCTED OUT OF MULCH, CHIPPING, OR OTHER SUITABLE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIALS.
2. SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
3. INSPECTIONS ARE TO BE CARRIED OUT BY THE RESPONSIBLE PERSON OR AN APPROVED REPRESENTATIVE OF THE PROJECT WHO IS KNOWLEDGEABLE ABOUT THE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL AND STORM WATER POLLUTION PREVENTION. REFER TO ACCOMPANYING DOCUMENTATION FOR INSPECTION SCHEDULE REQUIREMENTS.
4. ALL BMP'S MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION. BMP'S NOT WORKING EFFECTIVELY NEED TO BE IDENTIFIED AND FIXED. IF A BMP NEEDS TO BE MODIFIED, MODIFICATIONS MUST OCCUR BEFORE THE NEXT STORM EVENT. IF A SITE IS DEEMED ELIGIBLE FOR REDUCED INSPECTIONS, INDICATE WHY IT IS AND PROVIDE DATE OF THE WAIVER PERIOD. RECORDS OF INSPECTIONS MUST BE MAINTAINED FOR FIVE (5) YEARS AFTER THE DATE THE NOTICE OF TERMINATION (NOT) IS FILED. AN UP TO DATE ESC/SWPPP PLAN MUST BE KEPT ON SITE AT ALL TIME. THE RESPONSIBLE PERSON MUST APPROVE CHANGES TO THE PLAN AND IF NECESSARY THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY AND THE PROJECT SITE DESIGNER. A COMPLETE LIST OF BMP'S AND THEIR INSTALLATION GUIDELINES AS PREPARED BY THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY MAY BE VIEWED ONLINE AT: HTTP://WWW.DEQ.IDAHO.GOV/MEDIA/622263-STORMWATER.PDF
5. TO REPORT A SPILL OR ACCIDENT INVOLVING OIL, GAS, HAZARDOUS MATERIALS, ANTHRAX, OR EXPLOSIVES, CALL 911 TO ACTIVATE IDAHO'S EMERGENCY RESPONSE NETWORK, WHICH CONSISTS OF STATE AND LOCAL AGENCIES (INCLUDING DESIGNATED DEQ REGIONAL OFFICE PERSONNEL), AND, IF NECESSARY, FEDERAL AGENCIES.

GENERAL NOTES

1. ACCORDING TO THE EPA "CONSTRUCTION GENERAL PERMIT" A NOTICE OF INTENT (NOI) WILL BE REQUIRED BECAUSE THIS DEVELOPMENT "IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT WILL ULTIMATELY DISTURB EQUAL TO OR GREATER THAN ONE (1) ACRE ...". A NOTICE OF INTENT (NOI) MUST BE FILED BY BOTH THE OWNER AND THE CONTRACTOR.
2. REFERENCE THE ACCOMPANYING STORM WATER POLLUTION PREVENTION PLAN FOR FURTHER REQUIREMENTS.
3. ALL BMPs SHALL CONFORM TO THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES MANUAL.
4. CONTRACTOR SHALL HAVE PLANS AT WORKSITE STAMPED "APPROVED FOR CONSTRUCTION" BY THE CITY PUBLIC WORKS DEPARTMENT AND THE COUNTY PUBLIC WORKS DEPARTMENT.
5. ANY CHANGE FROM THE PLANS SHALL BE APPROVED BY THE DESIGNER AND THE GOVERNING AGENCIES AS APPLICABLE.
6. CONTRACTOR SHALL CONTACT DIGLINE 48 HOURS PRIOR TO ANY EXCAVATION. 811
7. ALL CONSTRUCTION IN THE RIGHT-OF-WAY SHALL CONFORM TO THE 2017 EDITION OF THE ISPWC. NO EXCEPTIONS TO DISTRICT POLICY, STANDARDS, AND THE ISPWC WILL BE ALLOWED UNLESS SPECIFICALLY AND PREVIOUSLY APPROVED IN WRITING BY THE DISTRICT.
8. SEE GRADING AND DRAINAGE PLANS FOR SUPPLEMENTAL INFORMATION.
9. THIS DRAWING HAS BEEN PREPARED BASED UPON INFORMATION PROVIDED, IN PART BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, BRECKON LAND DESIGN, INC. CANNOT ASSURE ITS ACCURACY AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS DRAWING OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATE INTO IT AS A RESULT. BRECKON LAND DESIGN, INC. ASSUMES NO LIABILITY FOR ANY MISINFORMATION.
10. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
11. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
12. RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE; SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.
13. RESPONSIBLE PERSON(S) SHALL BE RESPONSIBLE TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ACCOMMODATE CONSTRUCTION ACTIVITIES AND MEET ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.

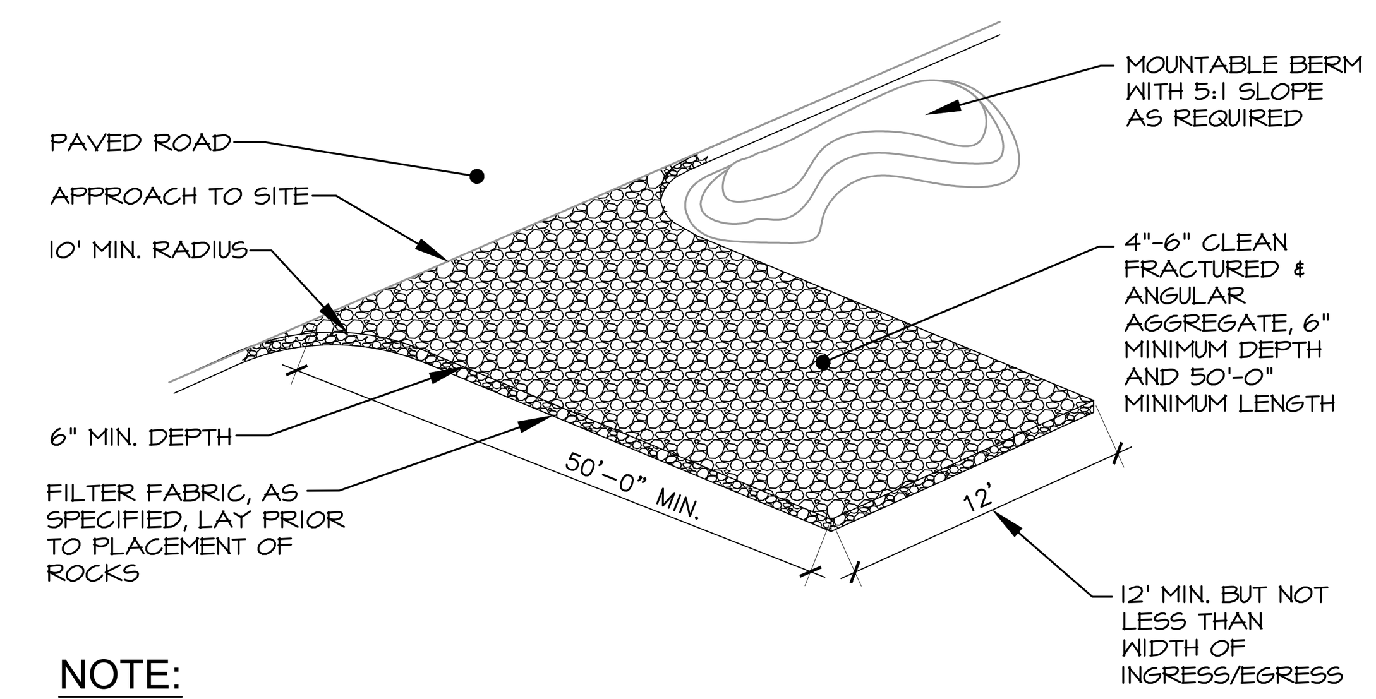
EROSION & SEDIMENTATION CONTROL NOTES

1. ALL ACCESS POINTS FROM THE SITE TO PUBLIC, DEVELOPED ROADS SHALL BE STABILIZED AS PER BMP #41, SEE DETAIL.
2. SILT FENCES SHALL BE INSTALLED WHERE NEEDED, SEE DETAIL (BMP#65).
3. ALL DRAIN INLET SHALL BE PROTECTED, SEE THE INLET PROTECTION DETAIL FOR INSTALLATION REQUIREMENTS. ALL SEDIMENT WHICH ENTERS THE DRAINAGE SYSTEM SHALL BE REMOVED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DRAIN INLETS ADJACENT TO AND DOWN STREAM OF THE SITE AS REQUIRED TO REMOVE SEDIMENTS.
5. MAINTAIN OPTIMUM SOIL MOISTURE AS NECESSARY TO PREVENT DUST EROSION. (BMP #7)
6. ONLY DISTURB, CLEAR, OR GRADE AREAS NECESSARY FOR CONSTRUCTION. FLAG OR OTHERWISE DELINEATE AREAS NOT TO BE DISTURBED. EXCLUDE VEHICLES AND CONSTRUCTION EQUIPMENT FROM THESE AREAS TO PRESERVE NATURAL VEGETATION. (BMP#1)
7. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE PREPARED AND HYDROSEEDED. A DISTURBED AREA SHALL BE WHERE CONSTRUCTION ACTIVITIES INCLUDING TRENCHING, DEMOLITION, EARTHWORK, MATERIAL STORAGE, STAGING AND PARKING OR ANY OTHER FORM OF EXCAVATION, COMPACTION OR TRAFFIC THAT RESULTS IN THE REMOVAL OR DISPLACEMENT OF EXISTING GROUNDCOVER OR GRADE. (BMP#12)
8. HYDROSEED WITH A WOOD CELLULOSE FIBER MULCH APPLIED AT A RATE OF 2000 # PER ACRE. USE AN ORGANIC TACKIFIER AT NO LESS THAN 150 #/ACRE OR PER MANUFACTURER'S RECOMMENDATION IF HIGHER. APPLICATION OF TACKIFIER SHALL BE HEAVIER AT EDGES, IN VALLEYS, AND AT CRESTS OF BANKS AND OTHER AREAS WHERE SEED CAN BE MOVED BY WIND OR WATER. PRIOR TO PROJECT COMPLETION/ ACCEPTANCE, ALL DISTURBED AREAS WILL BE INSPECTED FOR PROPER TURF ESTABLISHMENT. (BMP#11)
9. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL, AND STRIPPED OF TOPSOIL.
10. PLACE FILL SLOPES WITH A GRADIENT STEEPER THAN 3:1 IN LIFTS NOT TO EXCEED 8 INCHES, AND MAKE SURE EACH LIFT IS PROPERLY COMPACTED.
11. TOP SOIL SHALL BE STOCK PILED ON SITE COORDINATE WITH OWNER FOR EXACT LOCATION. NO TOP SOIL SHALL BE REMOVED FROM SITE. (BMP#31).
12. ALL EXPOSED SOIL SHALL BE MULCHED WITH STRAW OR WOOD CHIPS TO MINIMIZE SOIL EROSION. NO SOIL SHALL BE LEFT IN AN EXPOSED CONDITION. IT IS RECOMMENDED THAT THE CONTRACTOR MAINTAIN A STOCK PILE OF THIS MATERIAL ON SITE FOR QUICK APPLICATION.
13. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE PREPARED AND HYDROSEEDED WITH THE DRYLAND SEED MIX OF 25% HARD FESCUE, 25% CREEPING RED FESCUE, 25% SHEEP FESCUE, AND 25% CHEWIINGS FESCUE. APPLICATION RATE SHALL BE 10 LBS. PER 1000 SQUARE FEET, OR APPROVED EQUAL. A DISTURBED AREA SHALL BE WHERE CONSTRUCTION ACTIVITIES INCLUDING TRENCHING, DEMOLITION, EARTHWORK, MATERIAL STORAGE, LOGGING, STAGING AND PARKING OR ANY OTHER FORM OF EXCAVATION, COMPACTION OR TRAFFIC THAT RESULTS IN THE REMOVAL OR DISPLACEMENT OF EXISTING GROUNDCOVER OR GRADE. PRIOR TO PROJECT COMPLETION/ ACCEPTANCE, ALL DISTURBED AREAS WILL BE INSPECTED FOR PROPER TURF ESTABLISHMENT.
14. ALL STORM WATER WILL BE CONTAINED ON SITE.
15. DEWATERING IS NOT EXPECTED FOR THIS SITE.
16. WORKMAN SHALL PARK IN THE AREA DESIGNATED FOR WORKMAN PARKING OR OFF SITE TO HELP PREVENT DIRT AND MUD TRACKING.
17. SOIL STABILIZATION IS NOT EXPECTED AS NO SLOPES EXCEED 10%.
18. PROVIDE WASTE CONTAINERS FOR BUILDING MATERIALS IN WASTE STORAGE CONTAINMENT AREA. DISPOSE AT A FREQUENCY ACCORDING TO CONTAINER SIZE.



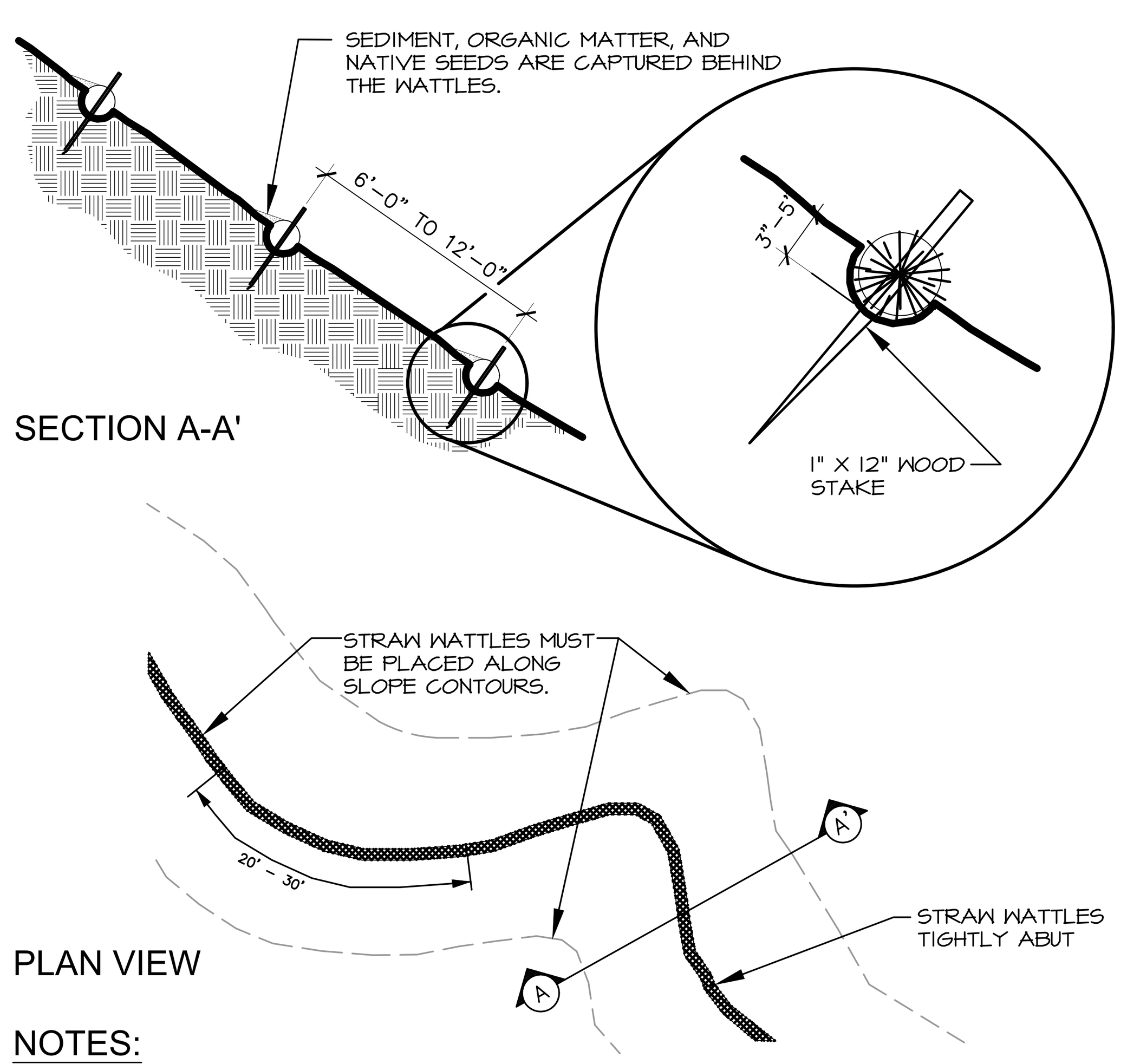
NOTES:
1. INSPECT PERIODICALLY AND REPAIR/REPLACE AS REQUIRED.
2. REMOVE SEDIMENT ACCUMULATIONS WHEN FILTER CAPACITY IS IMPAIRED.
3. OTHER METHODS OF INLET PROTECTION MAY BE APPROVED UPON REVIEW BY THE DESIGN PROFESSIONAL.
4. PLACEMENT OF FILTER FABRIC BETWEEN GRATE AND FRAME OF THE DRAINAGE STRUCTURE WILL NOT BE ACCEPTED IN LIEU OF THE INLET FILTER.
5. SEE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES, BMP #74 FOR ADDITIONAL INFORMATION.

3 DRAIN INLET FILTER (TYPE 1)
Scale: 3/4"= 1'-0"



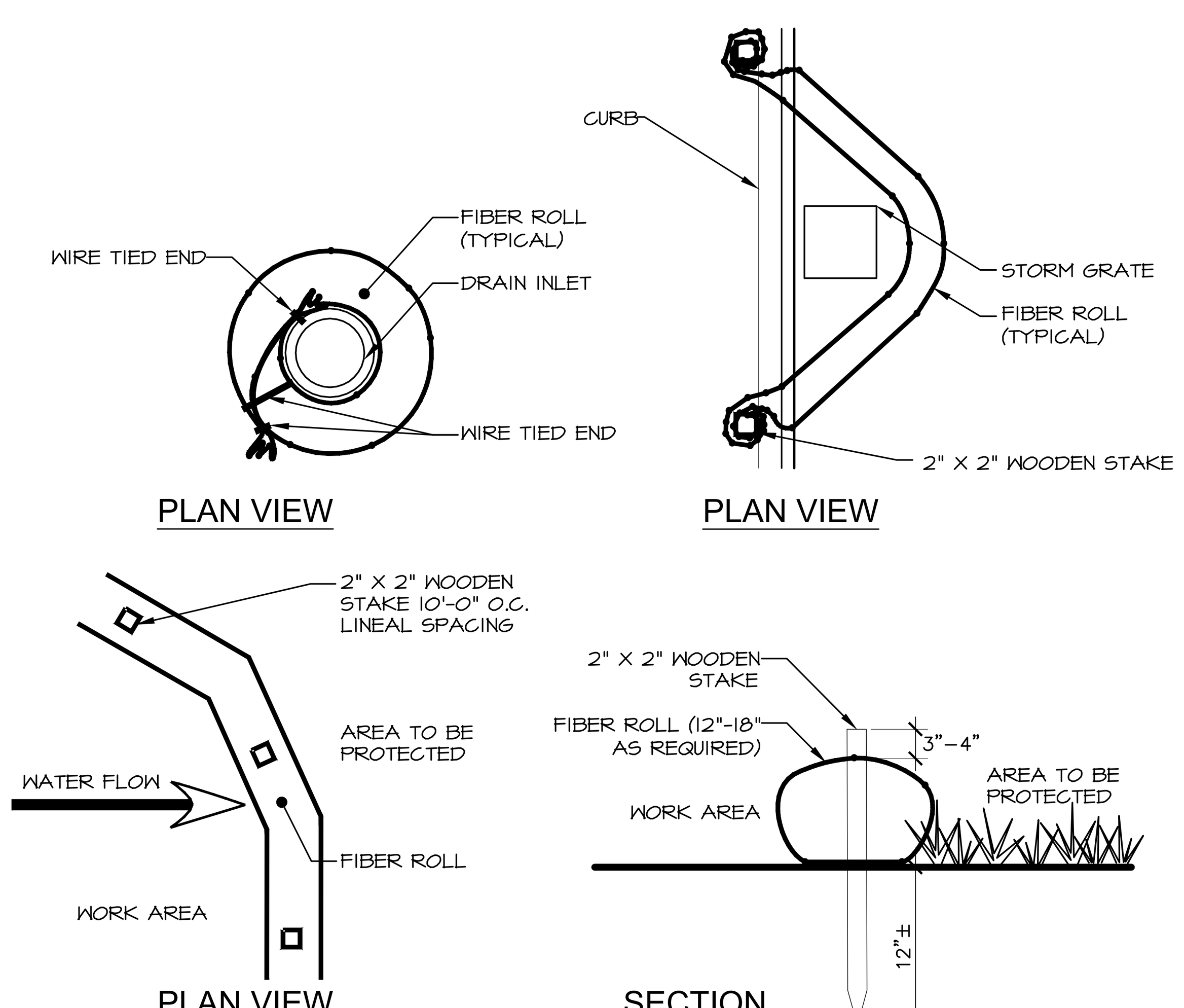
NOTE:
1. THE ARMORED APPROACH SHALL BE INSTALLED AT THE COMMENCEMENT OF SITE WORK. IT SHALL REMAIN IN PLACE UNTIL THE APPROACH AND SITE ARE PAVED.
2. MATERIAL USED SHALL CONTAIN NO FINES!
3. THIS DETAIL SHALL BE UTILIZED AT ALL APPROACHES ONTO PUBLIC ROADS.
4. APPROACHES SHALL BE MAINTAINED IN A FASHION WHICH PREVENTS SEDIMENT FROM TRACKING/FLOWING ONTO PUBLIC RIGHT-OF-WAY. ADDITIONAL ROCK SHOULD BE ADDED AS NECESSARY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY SHALL BE REMOVED IMMEDIATELY.
5. ALL SURFACE WATER FLOWING/DIVERTED TOWARDS CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. THE USE OF A MOUNTABLE BERM HAVING 5:1 SLOPES MAY BE PERMITTED.
6. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE DRAINING INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL OCCUR AFTER EACH RAIN.

5 STABILIZED CONSTRUCTION ENTRY
Scale: 1/8"= 1'-0"



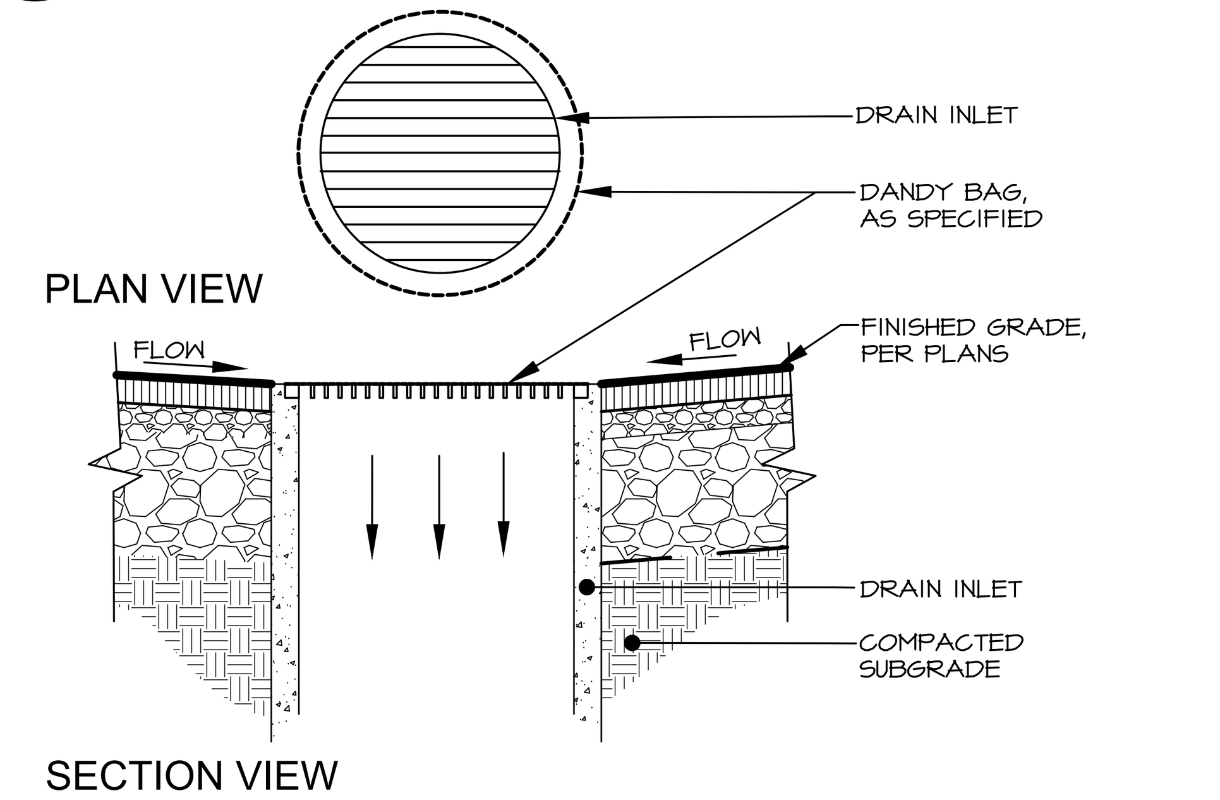
NOTES:
1. STRAW WATTLES ARE TUBES MADE FROM STRAW BOUND W/ PLASTIC NETTING. THEY ARE APPROXIMATELY 8" DIA. AND 20'-0" TO 30'-0" LONG.
2. STRAW WATTLES TRAP SEDIMENT AND REDUCE SHEET & RILL EROSION BY REDUCING SLOPE GRADIENT, INCREASING INFILTRATION RATES AND BY PRODUCING A FAVORABLE ENVIRONMENT FOR PLANT ESTABLISHMENT.
3. STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND WATTLE.

1 STRAW WATTLES
NOT TO SCALE



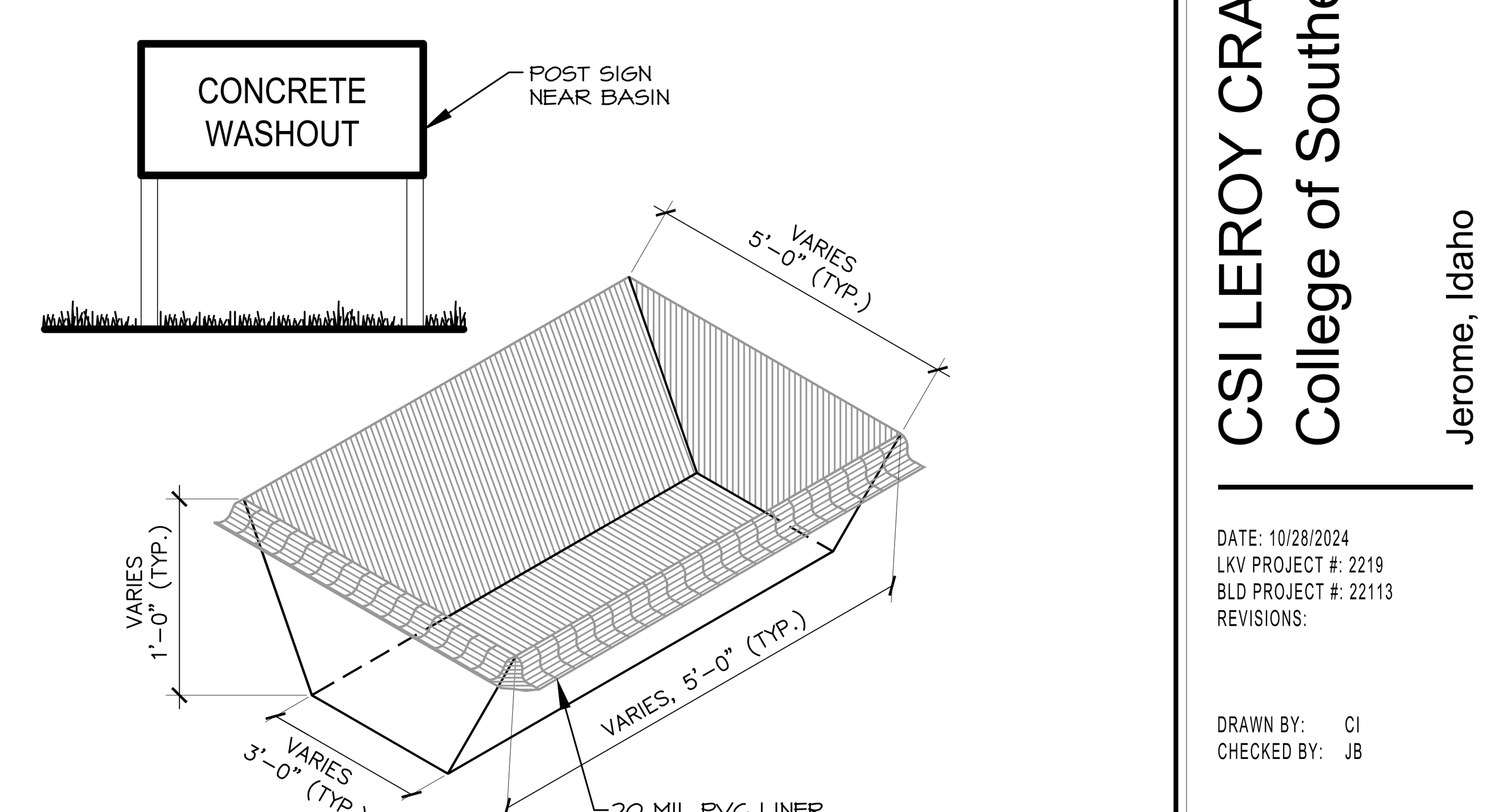
NOTE:
1. FIBER ROLL TO BE 'FILTREXX' FILTER SOXX OR APPROVED EQUAL.
2. FIBER ROLL COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS
3. FIBER ROLL DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER DESIGN PROFESSIONAL.
4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE DESIGN PROFESSIONAL.

2 FIBER ROLL DETAIL
NOT TO SCALE



NOTES:
1. INSPECT PERIODICALLY AND REPAIR/REPLACE AS REQUIRED.
2. REMOVE SEDIMENT ACCUMULATIONS WHEN FILTER CAPACITY IS IMPAIRED.
3. OTHER METHODS OF INLET PROTECTION MAY BE APPROVED UPON REVIEW BY THE DESIGN PROFESSIONAL.
4. PLACEMENT OF FILTER FABRIC BETWEEN GRATE AND FRAME OF THE DRAINAGE STRUCTURE WILL NOT BE ACCEPTED IN LIEU OF THE INLET FILTER.
5. SEE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES, BMP #74 FOR ADDITIONAL INFORMATION.

4 DRAIN INLET FILTER (TYPE 2)
Scale: 3/4"= 1'-0"



NOTES:
1. DIMENSIONS VARY. RESPONSIBLE PERSON SHALL SIZE BASIN APPROPRIATELY.

6 CONCRETE WASHOUT AREA
NOT TO SCALE

LKV ARCHITECTS
2400 E RIVERWALK DRIVE
BOISE, IDAHO 83706
WWW.LKVARCHITECTS.COM
208.336.3443

BRECKON landdesign

STATE OF IDAHO — JON FRITZ BRECKON — LA-16536 — 10/28/2024 — LICENSED LANDSCAPE ARCHITECT

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

DRAWN BY: CI
CHECKED BY: JB

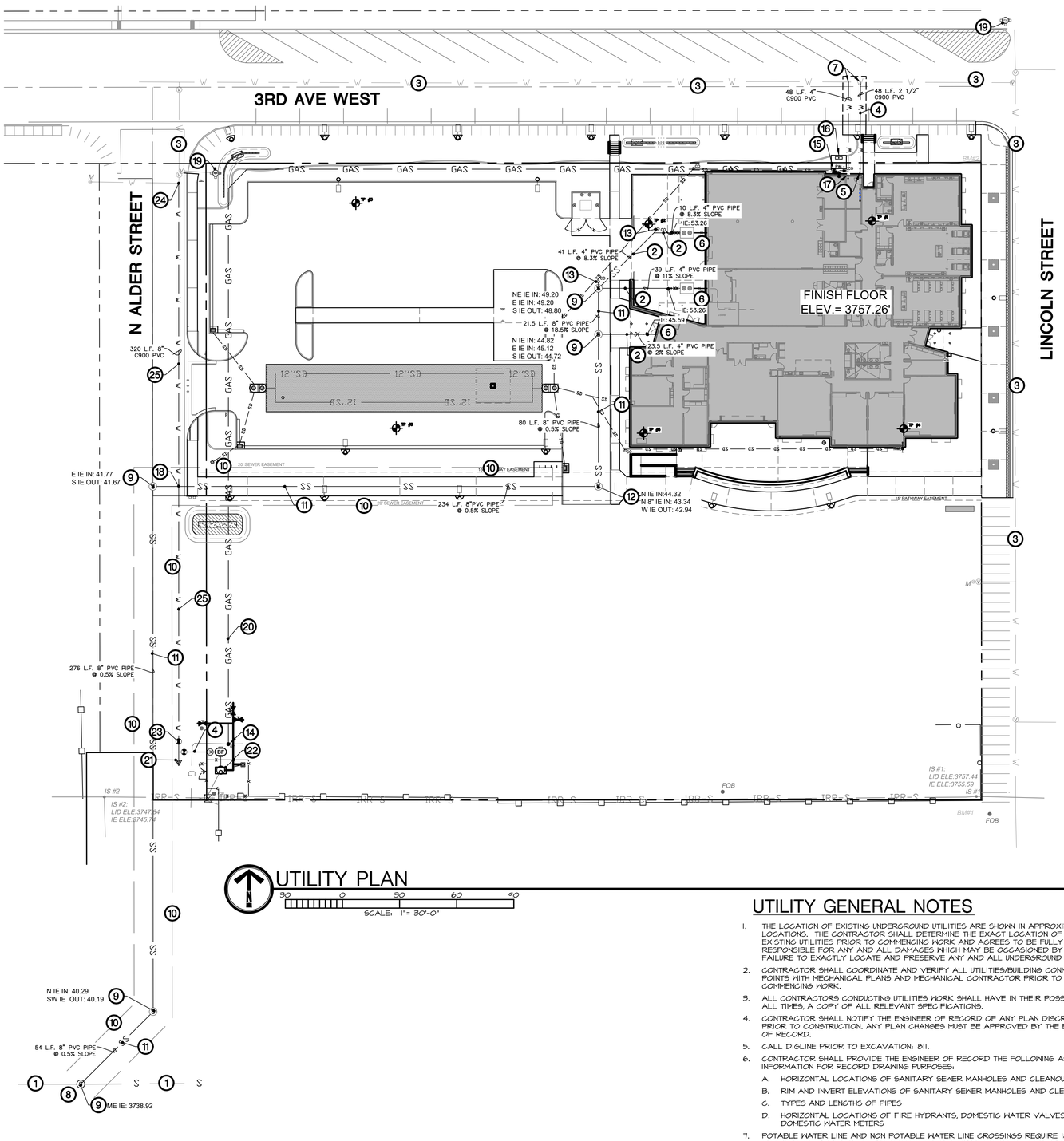
BID SET

DRAWING NO.
SD6.5
EROSION AND SEDIMENT CONTROL DETAILS

S:_projects\2022\22113 csi jerome ftc\CAD\SHEETS\22113 ESC.dwg plotted by: kahnsebree on Wed, October 23 2024 at 04:23 PM

811
Know what's below. Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES



UTILITY PLAN

SCALE: 1"= 30'-0"

UTILITY LEGEND

- EXISTING PROPERTY LINE
- EXISTING WATER LINE
- PROPOSED WATER LINE
- PROPOSED WATER TEE
- PROPOSED WATER VALVE
- PROPOSED WATER BLOW OFF VALVE
- PROPOSED SANITARY SEWER SERVICE LINE
- SEWER LINE CLEAN OUT
- NATURAL GAS LINE

UTILITY CALLOUT

1. SAVE AND PROTECT EXISTING SANITARY SEWER MAINLINE. FIELD VERIFY EXACT LOCATION.
2. INSTALL 4" PVC GRAVITY SANITARY SEWER SERVICE LINE PER I.S.P.W.C. SD-511 AND JEROME PUBLIC WORKS DEPARTMENT. SEWER SERVICE MUST BE INSTALLED WITH A MINIMUM OF 1% SLOPE PER CURRENT PLUMBING CODE. SEE MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR CONTINUATION. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES.
3. SAVE AND PROTECT EXISTING WATER MAINLINE. FIELD VERIFY EXACT LOCATION.
4. INSTALL 2" C900 PVC DOMESTIC WATER SERVICE AND METER PER 2018 INTERNATIONAL PLUMBING CODE AND ISPWC STANDARD DRAWING SD-402. COORDINATE BUILDING CONNECTION WITH PLUMBING PLANS.
5. CONNECT 2" WATER SERVICE LINE TO BUILDING IN THIS APPROXIMATE LOCATION. SEE MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR CONTINUATION.
6. CONNECT SANITARY SEWER SERVICE TO BUILDING IN THIS APPROXIMATE LOCATION. SEE PLANS FOR INVERT ELEVATION. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES. SEE MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR CONTINUATION.
7. HOT TAP WATER SERVICE LINE TO THE EXISTING WATER MAIN IN THIS APPROXIMATE LOCATION. PROVIDE ALL MATERIALS TO ENSURE A WATER TIGHT AND FUNCTIONAL SEAL.
8. CONNECT SANITARY SEWER MAINLINE TO EXISTING SEWER MANHOLE IN THIS APPROXIMATE LOCATION PER CITY OF JEROME STANDARDS.
9. SEWER MANHOLE WITH CONCRETE COLLAR. SEE PLANS FOR INVERT ELEVATIONS. REFER TO ISPWC SD-501, 507, 508 FOR STANDARD DETAILS.
10. 20' SEWER EASEMENT
11. INSTALL 8" PVC GRAVITY SANITARY SEWER MAINLINE PER I.S.P.W.C. SD-511 AND JEROME PUBLIC WORKS DEPARTMENT. SEWER MUST BE INSTALLED WITH A MINIMUM OF 0.5% SLOPE PER CURRENT PLUMBING CODE. SEE MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR CONTINUATION. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES.
12. DROP SEWER MANHOLE WITH CONCRETE COLLAR. SEE PLANS FOR INVERT ELEVATIONS. REFER TO ISPWC SD-504, 507, 508 FOR STANDARD DETAILS.
13. CLEAN OUT LOCATION. SEE ISPWC SD-506 FOR STANDARD DETAIL.
14. CONNECT NEW GAS LINE TO EXISTING GAS VALVE IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION AND PROVIDE ALL MATERIALS FOR A FULLY FUNCTIONAL CONNECTION. COORDINATE WITH GAS COMPANY AS REQUIRED.
15. CONNECT NEW GAS LINE TO BUILDING IN THIS LOCATION. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
16. TRANSFORMER LOCATION. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
17. CONNECT FIRE SPRINKLER LINE TO BUILDING IN THIS APPROXIMATE LOCATION SEE MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR CONTINUATION.
18. VERTICAL SEPARATION PER ISPWC SPECIFICATIONS AND SD-407.
19. SAVE AND PROTECT EXISTING FIRE HYDRANT
20. GAS SERVICE LINE PER LOCAL PURVEYOR
21. INSTALL 8" PLUG AND THRUST BLOCK PER ISPWC SD-403
22. CONNECT TO NEW WET WELL AND INSTALL FLOAT SWITCH FOR AUTOMATIC FILL. USE 2" DOMESTIC WATER SERVICE FOR ALTERNATE IRRIGATION WATER SOURCE. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
23. 8" C.I. AUXILIARY VALVE (M.J X FLANGE)
24. CONNECT NEW 8" WATER MAIN TO EXISTING 8" WATER MAIN IN THIS APPROXIMATE LOCATION.
25. EXTEND 8" C900 PVC WATER MAIN APPROXIMATELY 320 LINEAR FEET PER CITY OF JEROME STANDARDS.

UTILITY GENERAL NOTES

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. CONTRACTOR SHALL COORDINATE AND VERIFY ALL UTILITIES/BUILDING CONNECTION POINTS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR PRIOR TO COMMENCING WORK.
3. ALL CONTRACTORS CONDUCTING UTILITIES WORK SHALL HAVE IN THEIR POSSESSION AT ALL TIMES, A COPY OF ALL RELEVANT SPECIFICATIONS.
4. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY PLAN DISCREPANCIES PRIOR TO CONSTRUCTION. ANY PLAN CHANGES MUST BE APPROVED BY THE ENGINEER OF RECORD.
5. CALL DIGLINE PRIOR TO EXCAVATION: 811.
6. CONTRACTOR SHALL PROVIDE THE ENGINEER OF RECORD THE FOLLOWING AS BUILT INFORMATION FOR RECORD DRAWING PURPOSES:
   A. HORIZONTAL LOCATIONS OF SANITARY SEWER MANHOLES AND CLEANOUTS.
   B. RIM AND INVERT ELEVATIONS OF SANITARY SEWER MANHOLES AND CLEANOUTS.
   C. TYPES AND LENGTHS OF PIPES
   D. HORIZONTAL LOCATIONS OF FIRE HYDRANTS, DOMESTIC WATER VALVES AND DOMESTIC WATER METERS
7. POTABLE WATER LINE AND NON POTABLE WATER LINE CROSSINGS REQUIRE 18" OF VERTICAL SEPARATION DISTANCE FROM OUTSIDE WALL OF PIPES. CONTRACTOR MAY NEED TO INSTALL POTABLE WATER LINE GREATER THAN THE TYPICAL 4 FEET DEPTH TO MEET SEPARATION REQUIREMENTS. HOWEVER, THE CONTRACTOR SHALL NOT INSTALL POTABLE WATER LINE WITH GREATER THAN 60" COVER FROM TOP OF PIPE TO FINISHED GRADE.
8. EXISTING OVERHEAD POWER LINES SHALL BE RETAINED AND PROTECTED AS NEEDED TO MAINTAIN SERVICE TO ADJACENT PROPERTIES. THE CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY TO ABANDON OR RELOCATE ALL OTHER OVERHEAD POWER LINES AND POLES AS REQUIRED.
9. UTILITY INSTALLATION AND CONSTRUCTION SHALL BE PER THE CURRENT EDITION OF THE ISPWC.

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Garden City, Idaho 83714

PROFESSIONAL ENGINEER
REGISTERED
H. KENT MAGLEBY
6580
10/28/2024
STATE OF IDAHO

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

DRAWN BY: CI
CHECKED BY: JB

BID SET

DRAWING NO.
SD7.0
UTILITY PLAN

811 Know what's below. Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

LANDSCAPE NOTES:

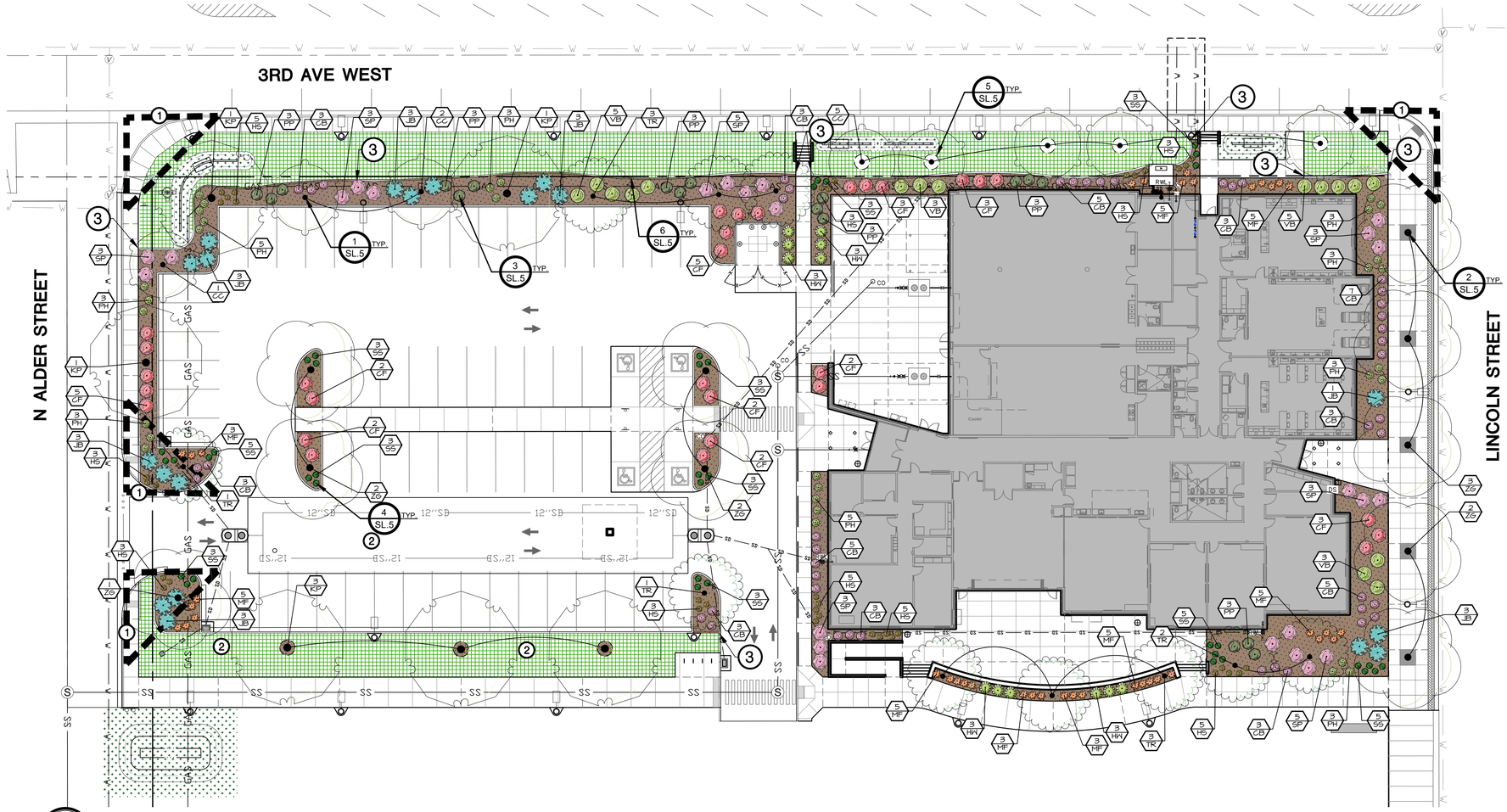
1. CONTRACTOR SHALL REPORT TO DESIGN PROFESSIONAL ALL CONDITIONS WHICH IMPAIR AND/OR PREVENT THE PROPER EXECUTION OF THIS WORK, PRIOR TO BEGINNING WORK.
2. NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT THE DESIGN PROFESSIONAL'S PRIOR WRITTEN APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CAN NOT BE OBTAINED.
3. COORDINATE ALL WORK WITH ALL OTHER SITE RELATED DEVELOPMENT DRAWINGS.
4. COORDINATE WORK SCHEDULE AND OBSERVATIONS WITH DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION START-UP.
5. ALL PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS.
6. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN NURSERYMAN STANDARDS FOR TYPE AND SIZE SHOWN. PLANTS WILL BE REJECTED IF NOT IN A SOUND AND HEALTHY CONDITION.
7. IN THE EVENT OF A PLANT COUNT DISCREPANCY, PLANT SYMBOLS SHALL OVERRIDE SCHEDULE QUANTITIES AND CALL OUT SYMBOL NUMBERS.
8. ALL PLANTING BEDS SHALL BE COVERED WITH A MINIMUM OF 3" DEPTH OF LARGE (2" MINUS) CRUSHED BASALT MULCH. SUBMIT SAMPLE FOR APPROVAL.
9. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF ACCEPTANCE BY THE OWNER. REPLACE ALL PLANT MATERIAL FOUND DEAD OR NOT IN A HEALTHY CONDITION IMMEDIATELY WITH THE SAME SIZE AND SPECIES AT NO COST TO THE OWNER.
10. FINISH GRADES SHALL PROVIDE A SMOOTH TRANSITION WITH ADJACENT SURFACES AND ENSURE POSITIVE DRAINAGE IN ACCORDANCE WITH THE SITE GRADING PLAN.
11. AMEND EXISTING APPROVED TOPSOIL AT A RATIO OF THREE CUBIC YARDS OF APPROVED COMPOST PER 1000 SQUARE FEET. ROTO-TILL ORGANIC MATTER A MINIMUM OF 6 INCHES INTO TOPSOIL.
12. FERTILIZE ALL TREES AND SHRUBS WITH 'AGRIFORM' PLANTING TABLETS. QUANTITY PER MANUFACTURER'S RECOMMENDATIONS.
13. ALL PLANTING BEDS SHALL HAVE A MINIMUM 18" DEPTH OF TOPSOIL. LAWN AREAS SHALL HAVE A MINIMUM 12" DEPTH OF TOPSOIL. SPREAD, COMPACT, AND FINE GRADE TOPSOIL TO A SMOOTH AND UNIFORM GRADE 3" BELOW ADJACENT SURFACES OF PLANTER BED AREAS, 1-1/2" BELOW ADJACENT SURFACES OF TURF SOD AREAS, AND 1" BELOW ADJACENT SURFACES OF TURF SEED AREAS.
14. REUSE EXISTING TOPSOIL STOCKPILED ON THE SITE. SUPPLEMENT WITH IMPORTED TOPSOIL WHEN QUANTITIES ARE INSUFFICIENT. VERIFY SUITABILITY AND CONDITION OF TOPSOIL AS A GROWING MEDIUM. PERFORM SOIL TEST/ ANALYSIS AND PROVIDE ADDITIONAL AMENDMENT AS DETERMINED BY SOIL TESTS. TOPSOIL SHALL BE A LOOSE, FRIABLE, SANDY LOAM, CLEAN AND FREE OF TOXIC MATERIALS, NOXIOUS WEEDS, WEED SEEDS, ROCKS, GRASS OR OTHER FOREIGN MATERIAL AND A HAVE A PH OF 5.5 TO 7.0. IF ONSITE TOPSOIL DOES NOT MEET THESE MINIMUM STANDARDS, CONTRACTOR IS RESPONSIBLE TO EITHER:
    A) PROVIDE APPROVED IMPORTED TOPSOIL, OR
    B) IMPROVE ON-SITE TOPSOIL WITH METHODS APPROVED BY THE DESIGN PROFESSIONAL.
15. IF IMPORTED TOPSOIL FROM OFF-SITE SOURCES IS REQUIRED, ENSURE IT IS FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 2 INCHES IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
    A) OBTAIN TOPSOIL FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THOSE FOUND ON THE PROJECT SITE. OBTAIN TOPSOIL ONLY FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT A DEPTH OF NOT LESS THAN 4 INCHES.
    B) REPRESENTATIVE SAMPLES SHALL BE TESTED FOR ACIDITY, FERTILITY, TOXICITY, AND GENERAL TEXTURE BY A RECOGNIZED COMMERCIAL OR GOVERNMENT AGENCY AND COPIES OF THE TESTING AGENCY'S FINDINGS AND RECOMMENDATIONS SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE BY THE CONTRACTOR. NO TOPSOIL SHALL BE DELIVERED IN A FROZEN OR MUDDY CONDITION.
    ACIDITY/ALKALINITY RANGE - PH. 5.5 TO 7.0.
16. IMMEDIATELY CLEAN UP ANY TOPSOIL OR OTHER DEBRIS ON THE SITE CREATED FROM LANDSCAPE OPERATIONS AND DISPOSE OF PROPERLY OFF SITE.
17. ANY PERENNIAL TREES OR PLANTS THAT WILL EXTEND ROOTS DEEPER THAN 18" SHALL BE PROHIBITED OVER UNDERGROUND SEEPAGE BEDS, INFILTRATION FACILITIES OR PIPING SYSTEMS.
18. SEEPAGE BEDS AND OTHER STORM DRAINAGE FACILITIES MUST BE PROTECTED FROM ANY AND ALL CONTAMINATION DURING THE CONSTRUCTION AND INSTALLATION OF THE LANDSCAPE IRRIGATION SYSTEM.
19. IN THE EVENT OF A DISCREPANCY, NOTIFY THE DESIGN PROFESSIONAL IMMEDIATELY.

LANDSCAPE AREA PREPARATION NOTES:

1. LIMIT TURF SUBGRADE PREPARATION TO AREAS TO BE PLANTED.
2. NEWLY GRADED SUBGRADES: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
    A. SPREAD PLANTING SOIL TO A DEPTH OF 12 INCHES IN TURF AREAS AND 18 INCHES AT SHRUB BED AREAS BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
    B. SPREAD PLANTING SOIL OVER LOOSENED SUBGRADE.
    C. REDUCE ELEVATION OF PLANTING SOIL TO ALLOW FOR SOIL THICKNESS OF SOD OR SEED.
3. UNCHANGED SUBGRADES: IF TURF IS TO BE PLANTED IN AREAS UNALTERED OR UNDISTURBED BY EXCAVATING, GRADING, OR SURFACE-SOIL STRIPPING OPERATIONS, PREPARE SURFACE SOIL AS FOLLOWS:
    A. REMOVE EXISTING GRASS, VEGETATION, AND TURF. DO NOT MIX INTO SURFACE SOIL.
    B. LOOSEN SURFACE SOIL TO A DEPTH OF AT LEAST 6 INCHES. PROVIDE WEED ABATEMENT PROCEDURE. APPLY SOIL AMENDMENTS AND FERTILIZERS ACCORDING TO PLANTING SOIL MIX PROPORTIONS AND MIX THOROUGHLY INTO TOP 6 INCHES OF SOIL. TILL SOIL TO A HOMOGENEOUS MIXTURE OF FINE TEXTURE.
    C. APPLY SOIL AMENDMENTS DIRECTLY TO SURFACE SOIL BEFORE LOOSENING.
    D. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, TRASH, AND OTHER EXTRANEOUS MATTER.
    E. LEGALLY DISPOSE OF WASTE MATERIAL, INCLUDING GRASS, VEGETATION, AND TURF, OFF OWNER'S PROPERTY.
4. FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISH GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE.
5. MOISTEN PREPARED AREA BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL.
6. BEFORE PLANTING, OBTAIN DESIGN PROFESSIONAL'S ACCEPTANCE OF FINISH GRADING; RESTORE PLANTING AREAS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING.
7. DO NOT SOW IMMEDIATELY FOLLOWING RAIN, OR WHEN GROUND IS TOO DRY. TEMPERATURE SHALL BE BETWEEN 55 F AND 95 F FOR A 24 HOUR PERIOD. WIND SHALL BE LESS THAN 5 MPH.

WEED ABATEMENT NOTES:

1. ALL AREAS TO BE PLANTED OR HYDROSEEDED SHALL HAVE WEED ABATEMENT OPERATIONS PERFORMED ON THEM PRIOR TO PLANTING OR HYDROSEEDING.
2. CONTRACTOR SHALL SPRAY ALL EXPOSED WEEDS WITH @ROUND-UP® (CONTACT HERBICIDE) OR APPROVED EQUAL.
3. DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE EXPOSED WEEDS FROM THE SITE.
4. CONTRACTOR SHALL OPERATE THE AUTOMATIC IRRIGATION SYSTEM FOR A PERIOD OF FOURTEEN (14) DAYS. AT CONCLUSION OF THIS WATERING PERIOD, DISCONTINUE WATERING FOR THREE TO FIVE (3-5) DAYS.
5. APPLY SECOND APPLICATION OF @ROUND-UP® TO ALL EXPOSED WEEDS. APPLY IN STRICT CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE WEEDS FROM THE SITE.
6. IF ANY EVIDENCE OF WEED GERMINATION EXISTS AFTER TWO (2) APPLICATIONS, CONTRACTOR SHALL BE DIRECTED TO PERFORM A THIRD APPLICATION.
7. AT THE TIME OF PLANTING AND HYDROSEEDING, ALL PLANTING AREAS SHALL BE WEED FREE.



LANDSCAPE PLAN

SCALE: 1" = 20'-0"

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
DECIDUOUS SHADE TREES						
	TR	7	Tilia americana 'Redmond'	Redmond American Linden	2" Cal. B&B	35' x 25' W
	ZG	10	Zelkova serrata 'Green Vase'	Green Vase Japanese Zelkova	2" Cal. B&B	45' X 30' W
	CC	8	Cercis canadensis	Eastern Redbud	2" Cal. B&B	30' X 25' W
	KP	6	Koelreuteria paniculata	Golden Rain Tree	2" Cal. B&B	35' X 40' W
SHRUBS, PERENNIALS, & ORNAMENTAL GRASSES						
	CB	46	Caryopteris x clandonensis 'Blue Mist'	Blue Mist Bluebeard	5 gal.	3' X 3' W
	CF	29	Cornus stolonifera 'Farrow'	Arctic Fire Red Twig Dogwood	2 gal.	4' X 4' W
	HS	38	Helictotrichon sempervirens	Blue Oat Grass	1 gal.	2' X 2' W
	HW	12	Hibiscus syriacus 'White Pillar'	White Pillar Rose of Sharon	2 gal.	10' x 4' W
	JB	19	Juniperus horizontalis 'Blue Chip'	Blue Chip Creeping Juniper	5 gal.	1' X 6' W
	MF	34	Miscanthus x 'Purpurascens'	Purple Flame Grass	1 gal.	5' x 3'
	PH	31	Pennisetum alopecuroides 'Hameln'	Hameln Fountain Grass	2 gal.	3' X 3' W
	PP	18	Pinus mugo pumilio	Dwarf Mugo Pine	2 gal.	4' X 5' W
	SG	34	Salvia x sylvestris 'Snow Hill'	Snow Hill Meadow Sage	1 gal.	2' X 2' W
	SP	25	Syringa x 'Penda'	Bloomerang Purple Lilac	2 gal.	4' X 4' W
	VB	16	Viburnum nudum 'Bulk'	Brandywine Viburnum	5 gal.	5' X 5' W

CALLOUT LEGEND

1. CLEAR VISION TRIANGLE.
2. PROPOSED SNOW STORAGE LOCATION.
3. CONCRETE EDGING PER DETAIL 6/SL1.5

LANDSCAPE REQUIREMENTS

LINCOLN AVE			
Requirements: 1 TREE / 40 LF.	LENGTH 190'	TREES REQ'D 5	TREES PROVIDED 5
3RD AVE WEST			
Requirements: 1 TREE / 35 LF.	LENGTH 407'	TREES REQ'D 12	TREES PROVIDED 12
ALDER ST			
Requirements: 1 TREE / 40 LF.	LENGTH 170'	TREES REQ'D 4	TREES PROVIDED 4

LANDSCAPE LEGEND

- PLANTS TO BE INSTALLED PER DETAILS 1-5/SL1.5
- CONCRETE EDGING PER DETAIL 5/SL1.5
- PROPERTY LINE (VERIFY)
- CLEAR VISION TRIANGLE, NO MATURE VEGETATION OVER 30" ALLOWED WITHIN
- 10 JB — QUANTITY, PLANT IDENTIFICATION KEY
- 3 / L1.5 — DETAIL NUMBER, SHEET NUMBER
- TURF SOD OVER APPROVED TOPSOIL AS SPECIFIED
- 3" DEPTH OF 2" MINUS CRUSHED BASALT MULCH OVER DEWITT PRO 5 WEED BARRIER FABRIC AND TOPSOIL AS SPECIFIED OR APPROVED EQUAL
- TURF SEED OVER APPROVED TOPSOIL AS SPECIFIED. PROVIDED SEED AT SWALE BOTTOM, PER DETAIL 3/SD5.5
- PROPOSED BUILDING

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STATE OF IDAHO — Jon Breckon — LA-16536 — 10/28/2024 — REGISTERED LANDSCAPE ARCHITECT

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219
BLD PROJECT #: 22113
REVISIONS:

DRAWN BY: CI
CHECKED BY: JB

BID SET

DRAWING NO.
SL1.0
LANDSCAPE PLAN

811 Know what's below. Call before you dig.

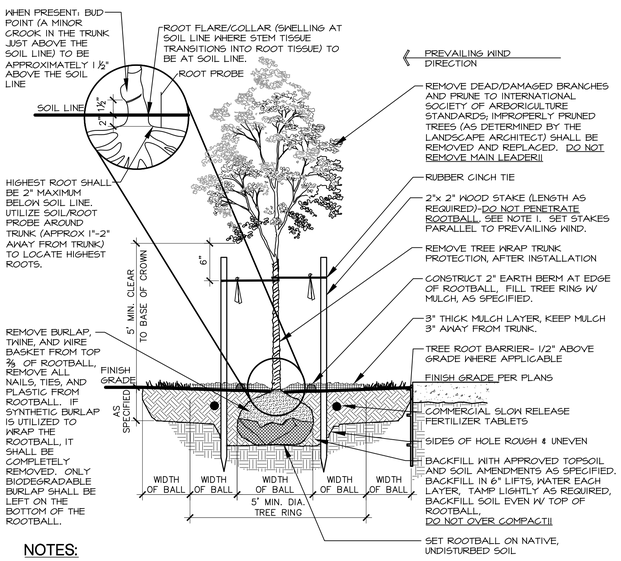
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

TURF AREA PREPARATION NOTES:

1. LIMIT TURF SUBGRADE PREPARATION TO AREAS TO BE PLANTED.
2. NEWLY GRADED SUBGRADES: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
3. SPREAD PLANTING SOIL OVER LOOSENED SUBGRADE.
4. REDUCE ELEVATION OF PLANTING SOIL TO ALLOW FOR SOIL THICKNESS OF SOD.
5. UNCHANGED SUBGRADES: IF TURF IS TO BE PLANTED IN AREAS UNALTERED OR UNDISTURBED BY EXCAVATING, GRADING, OR SURFACE-SOIL STRIPPING OPERATIONS, PREPARE SURFACE SOIL AS FOLLOWS:
   A. REMOVE EXISTING GRASS, VEGETATION, AND TURF. DO NOT MIX INTO SURFACE SOIL.
   B. LOOSEN SURFACE SOIL TO A DEPTH OF AT LEAST 6 INCHES. APPLY SOIL AMENDMENTS AND FERTILIZERS ACCORDING TO PLANTING SOIL MIX PROPORTIONS AND MIX THOROUGHLY INTO TOP 6 INCHES OF SOIL. TILL SOIL TO A HOMOGENEOUS MIXTURE OF FINE TEXTURE.
6. APPLY SOIL AMENDMENTS DIRECTLY TO SURFACE SOIL BEFORE LOOSENING.
   A. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, TRASH, AND OTHER EXTRANEOUS MATTER.
   B. LEGALLY DISPOSE OF WASTE MATERIAL, INCLUDING GRASS, VEGETATION, AND TURF, OFF OWNER'S PROPERTY.
7. FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISH GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE.
8. MOISTEN PREPARED AREA BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL.
9. BEFORE PLANTING, OBTAIN DESIGN PROFESSIONAL'S ACCEPTANCE OF FINISH GRADING; RESTORE PLANTING AREAS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING.

TOPSOIL NOTES

1. TOPSOIL REQUIREMENTS: ASTM D 5268, PH RANGE OF 5.5 TO 7.0, FOUR PERCENT ORGANIC MATERIAL MINIMUM, FREE OF STONES 1/2 INCH OR LARGER IN ANY DIMENSION, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.
2. TOPSOIL SOURCE: STRIP EXISTING TOPSOIL FROM ALL AREAS OF THE SITE TO BE DISTURBED. TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, ORGANIC MATTER LARGER THAN 2 INCHES IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. TOPSOIL SHALL BE SCREENED TO ACHIEVE THIS REQUIREMENT.
3. REPRESENTATIVE SAMPLES SHALL BE TESTED FOR ACIDITY, FERTILITY AND GENERAL TEXTURE BY A RECOGNIZED COMMERCIAL OR GOVERNMENT AGENCY AND COPIES OF THE TESTING AGENCY'S FINDINGS AND RECOMMENDATIONS SHALL BE FURNISHED TO THE ARCHITECT'S REPRESENTATIVE BY THE CONTRACTOR. ALL TOPSOIL SHALL BE AMENDED TO ACHIEVE SPECIFIED PH AND ORGANIC REQUIREMENTS. RE-TEST TOPSOIL PRIOR TO FINAL COMPLETION TO ENSURE REQUIREMENTS HAVE BEEN MET. NO TOPSOIL SHALL BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION.
4. PLACE TOPSOIL IN AREAS WHERE REQUIRED TO OBTAIN THICKNESS AS SCHEDULED. PLACE TOPSOIL DURING DRY WEATHER. PROVIDE ADDITIONAL IMPORTED TOPSOIL REQUIRED TO BRING SURFACE TO PROPOSED FINISH GRADE, AS REQUIRED.
5. COMPACTED TOPSOIL THICKNESS AT THE FOLLOWING AREAS:
   A. LAWN AREAS: 12 INCHES MINIMUM OR AS NECESSARY TO ACHIEVE EVEN GRADES WITH SURROUNDING LAWN AREAS.
   B. PLANTER BEDS: 18 INCHES MINIMUM
6. FINE GRADE TOPSOIL TO SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE. REMOVE RIDGES AND FILL DEPRESSIONS, AS REQUIRED TO MEET FINISH GRADES. FINISH GRADE OF TOPSOIL SHALL BE 2" BELOW FINISH GRADE OF PAVEMENTS AREAS FOR SOD AND 1" FOR SEED.
7. TOPSOIL STOCKPILE LOCATIONS TO BE COVERED COORDINATE WITH EROSION AND SEDIMENT CONTROL PLAN.
8. ALL GRAVEL, SUBBASE, AND OTHER IMPORTED FILL MATERIALS OTHER THAN TOPSOIL SHALL ONLY BE STOCKPILED IN PROPOSED IMPERVIOUS AREAS. NO GRAVEL OR ROCK MATERIALS SHALL BE STOCKPILED OR TEMPORARILY PLACED IN PROPOSED LANDSCAPE AREAS TO PREVENT LANDSCAPE AREAS FROM BEING CONTAMINATED WITH ROCK MATERIALS. CONTRACTOR SHALL SUBMIT A DETAILED STOCKPILE PLAN TO DESIGN PROFESSIONAL AND OWNER FOR APPROVAL PRIOR TO ANY EARTHWORK OPERATIONS.

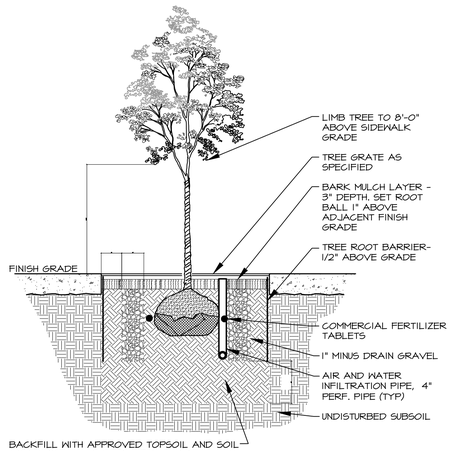


NOTES:

1. THE STAKING OF TREES IS TO BE THE CONTRACTOR'S OPTION; HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL TREES ARE PLANTED STRAIGHT AND THAT THEY REMAIN STRAIGHT FOR LENGTH OF WARRANTY PERIOD OR 1 YEAR AFTER SUBSTANTIAL COMPLETION WHICHEVER IS GREATER. ALL STAKING SHALL BE REMOVED AT THE END OF THE WARRANTY PERIOD.
2. IN THE EVENT OF A QUESTION OR LACK OF CLARITY ON THE DRAWINGS, THE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT BEFORE PROCEEDING.
3. LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO INSTALLATION OF PLANT MATERIAL.
4. WRAP RUBBER CINCH TIES AROUND THE TREE TRUNKS AND STAKES USING EITHER THE STANDARD OR FIGURE EIGHT TYING METHOD. SECURE THE TIES TO THE STAKES WITH GALVANIZED NAILS TO PREVENT SLIPPAGE.
5. WATER TREE TWICE WITHIN THE FIRST 24 HOURS.
6. IN THE EVENT HARDPAN SOILS PREVENT TREE PLANTING AS DETAILED, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.
7. FOR TREES LOCATED WITHIN ROADSIDE PLANTERS LESS THAN 8'-0" IN WIDTH, PROVIDE 24" TREE ROOT BARRIER (DEEPROOT #24-2 OR APPROVED EQUAL). LOCATE ROOT BARRIER AT BACK OF CURB AND EDGE OF SIDEWALK. INSTALL PER MANUFACTURES RECOMMENDATIONS. ALL TREE INSTALLATIONS SHALL CONFORM TO ALL AGENCY APPROVAL REQUIREMENTS, CONTRACTOR SHALL VERIFY PRIOR TO ANY INSTALLATIONS.

1 DECIDUOUS TREE PLANTING

NOT TO SCALE

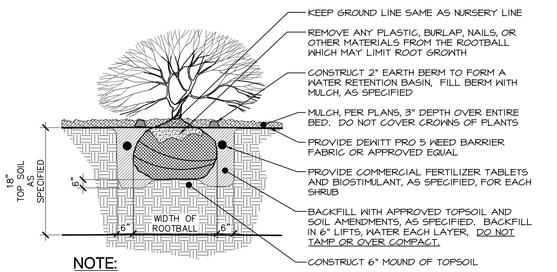


NOTE:

1. PLANT TREE IN CENTER OF WELL.
2. REFER TO DECIDUOUS TREE PLANTING FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

2 DECIDUOUS TREE IN PLAZA PLANTER

NOT TO SCALE

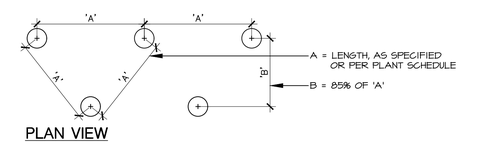


NOTE:

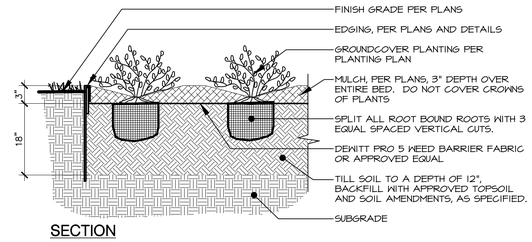
1. WATER SHRUB TWICE WITHIN FIRST 24 HOURS.
2. APPLY SPECIFIED PRE-EMERGENT PER MANUFACTURER'S RECOMMENDATIONS TO ALL GROUNDCOVER BEDS.

3 SHRUB PLANTING

NOT TO SCALE



PLAN VIEW



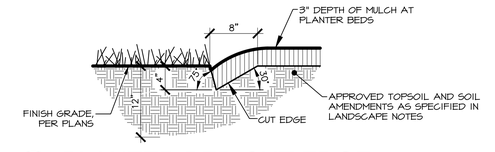
SECTION

NOTES:

1. ALL GROUNDCOVER PLANTS TO BE PLANTED ON CENTER AND IN A TRIANGULAR PATTERN.
2. APPLY SPECIFIED PRE-EMERGENT PER MANUFACTURER'S RECOMMENDATIONS TO ALL GROUNDCOVER BEDS.

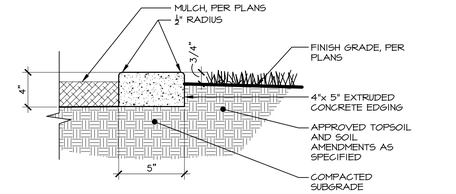
4 PERENNIAL & GROUNDCOVER PLANTING

Scale: 1"= 1'-0"



5 PLANTER BED CUT EDGE

NOT TO SCALE



6 EXTRUDED CONCRETE EDGING

NOT TO SCALE

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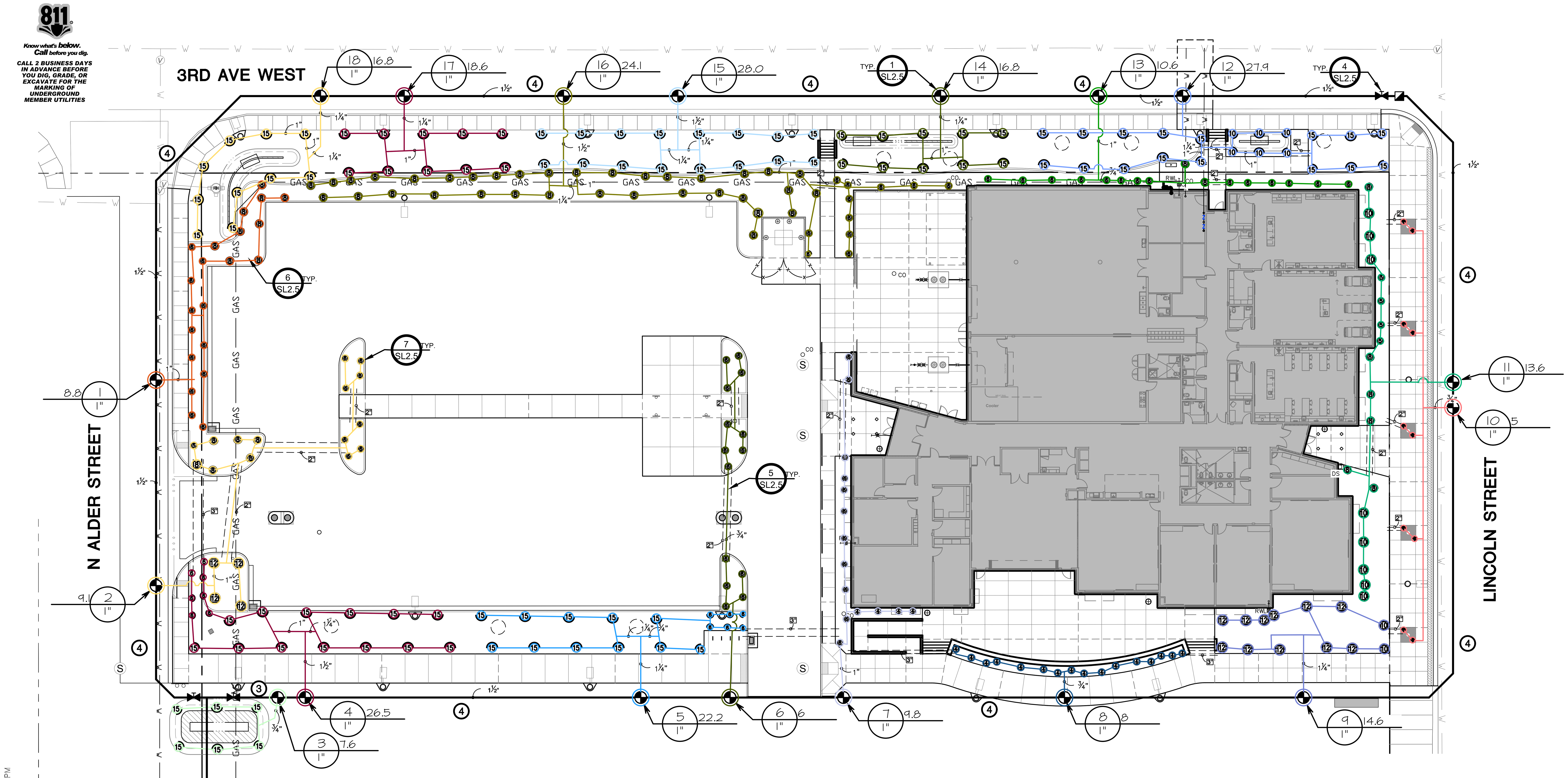
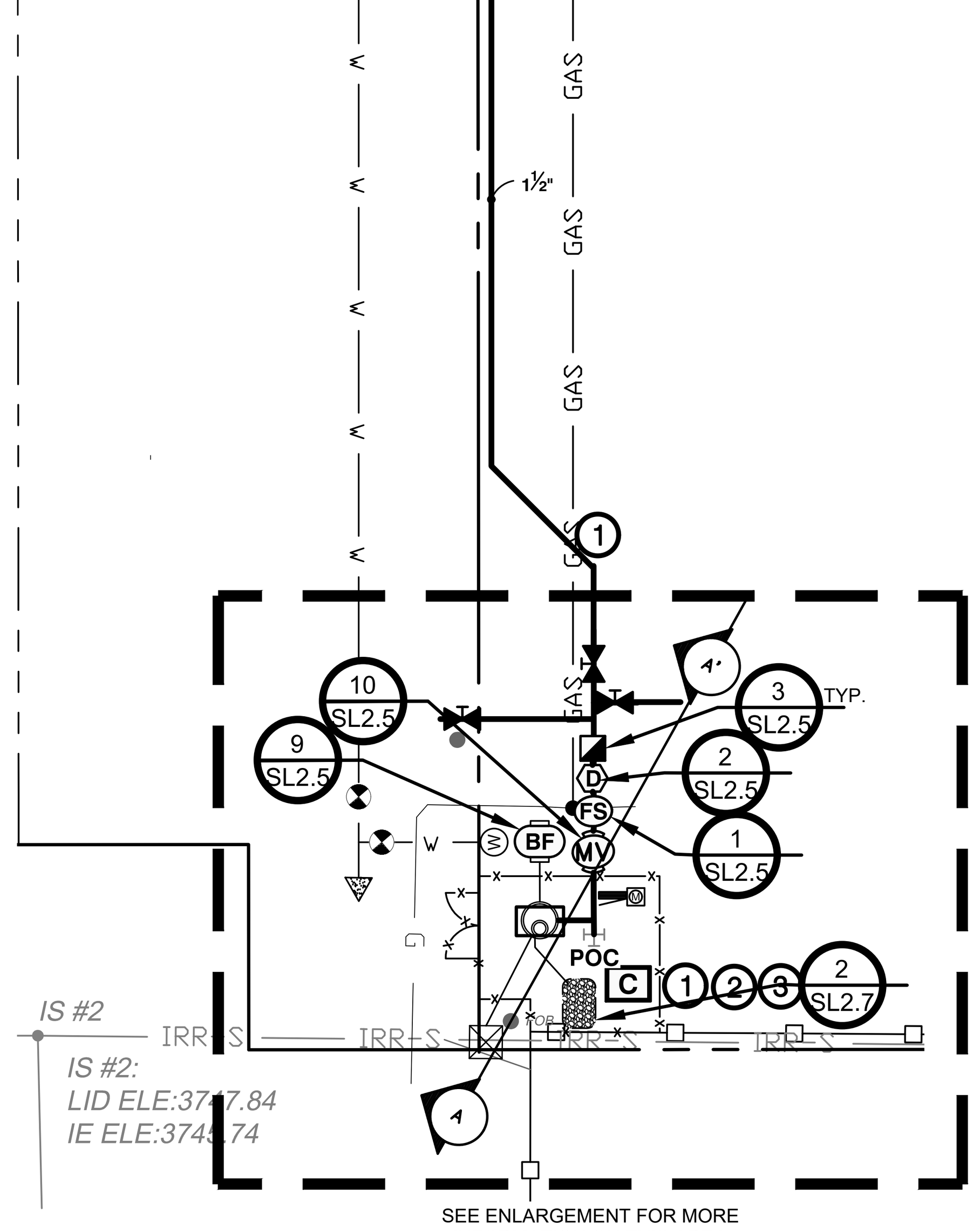
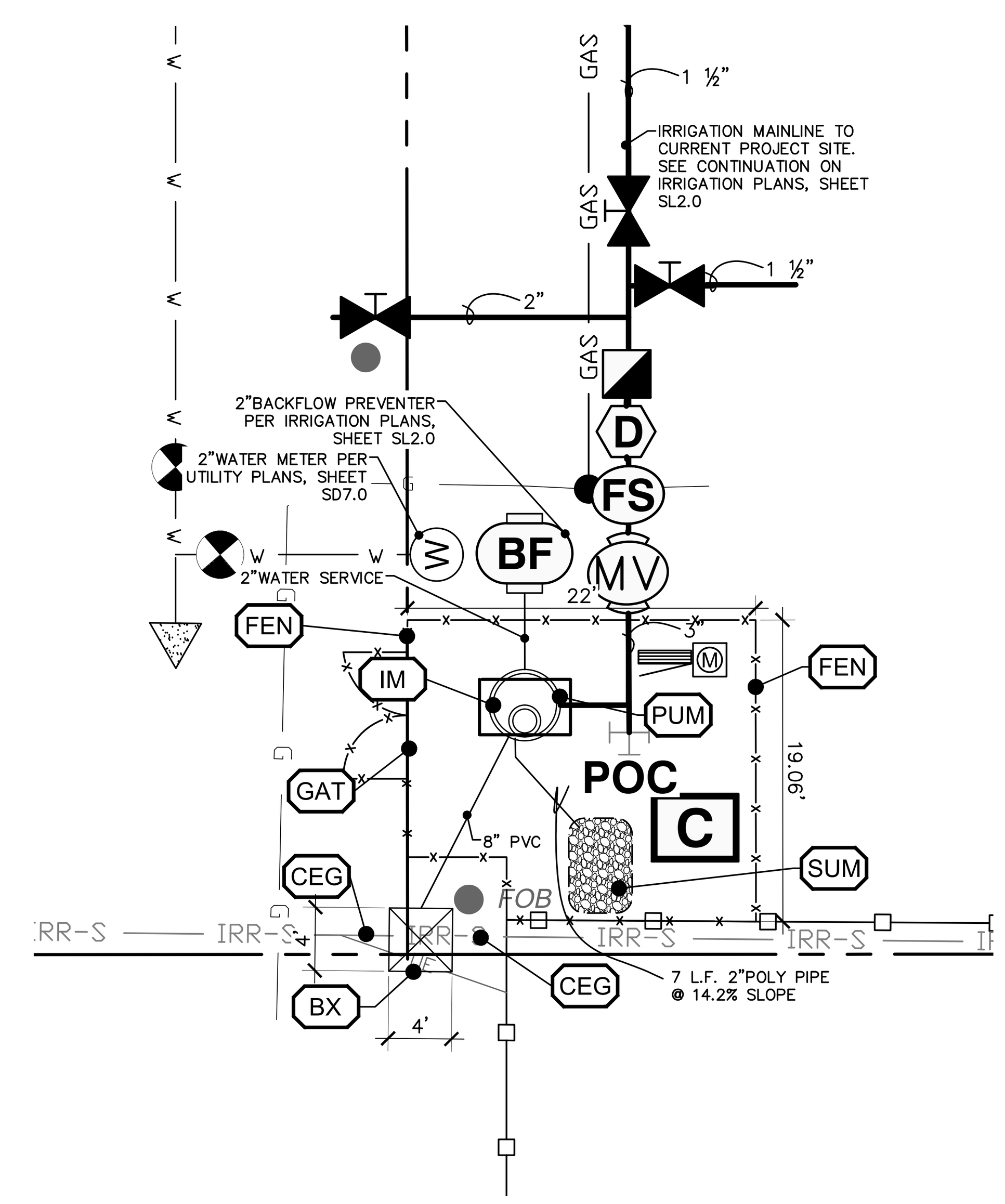




IRRIGATION PLAN

SCALE: 1"= 20'-0"



PUMP STAION ENLARGEMENT PLAN

SCALE: 1"= 20'-0"

PUMP STATION LEGEND

- PROPERTY LINE
- RIGHT OF WAY LINE
- IRR-S — EXISTING GRAVITY IRRIGATION DRAIN PIPE
- 12" ADS GRAVITY IRRIGATION PIPE
- PVC PRESSURE IRRIGATION PIPE, SIZE PER PLAN
- 12" HP-ADS GRAVITY IRRIGATION DRAIN PIPE
- PRECAST CONCRETE GRAVITY IRRIGATION MANHOLE
- PRECAST CONCRETE GRAVITY IRRIGATION DIVERSION BOX

PUMP STATION CALLOUTS

- IM — WET WELL WITH PRECAST 48" CONCRETE IRRIGATION MANHOLE WITH FLAT LID PER ISPWC SD-613A OR APPROVED EQUAL.
- BX — CONSTRUCT CONCRETE IRRIGATION BOX , PER ISPWC SD-619
- CEG — CUT EXISTING 12" RCP TO ALLOW PLACEMENT OF NEW CONCRETE IRRIGATION BOX WITH LID PER ISPWC SD-619.
- PUM — INSTALL PUMP STATION PER SHEET SL2.6
- FEN — 6-0" TALL CHAIN LINK FENCE ENCLOSURE WITH SLATS TO MATCH EXISTING FENCE, SEE DETAILS 1-7/SD3.6.
- GAT — 6'-0" TALL X 8'-0" WIDE DOUBLE SWING GATE SEE DETAIL 1/SL2.7.
- SUM — 4' X 6'X 2' GRAVEL SUMP PER DETAIL 2/ SL2.7

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
12 Q T H F	Hunter PROS-04-PRS30-CV 5, 8, 12, 15 Series Turf Spray, 30 psi regulated 4in. Pop-Up. With factory installed Drain Check Valve. Co-molded wiper seal with UV Resistant Material. See Detail 7/SD2.5
10 Q T H F	Hunter PROS-12-PRS30 SR, 5, 8, 10, 12, 15, ADJ Series Shrub Spray, Fixed Riser. 30 psi regulated Shrub Adapter. Co-molded wiper seal with UV Resistant Material. See Detail 7/SD2.5
0.25 0.50	Hunter RZWS-18 18in. long RZWS with installed .25 GPM or .50 GPM bubbler options, 1/2in. swing joint for connection to 1/2in. pipe. See detail 11 AND 12/SL2.5
	Hunter ICV-G-R 1in., 1-1/2in., 2in., and 3in. Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. With Reclaimed Water ID, Purple Handle. See Detail 1/SD2.5
	Hunter HQ-33DLRC-R Quick coupler valve, purple locking rubber cover for reclaimed water use, red brass and stainless steel, with 3/4in. NPT inlet, 2-piece body. See Detail 3/SD2.5
	'Mueller' Brass Valve or approved equal. Threaded. See Detail 4/SD2.5
MV	Hunter ICV-G-FS-R 1 1/2" 1in., 1-1/2in., 2in., and 3in. Plastic Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use. With Filter Sentry Factory Installed Option, and Reclaimed Water ID, Purple Handle. See Detail 1/SD2.5
D	Drain Valve NIBCO mannual drain valve. Size to match mainline. See Detail 10/SD2.5
BF	Zurn 350 2" 3/4in. - 2in. Double Check Valve Assembly Backflow Preventer w/ EZSwap. See Detail 9/SL2.5
C	Baseline BL-3200P-R24 24-station conventional wire controller in 16-gauge stainless-steel pedestal enclosure, expandable to 200 stations. See Detail 8/SL2.5
FS	Hunter HFS-100 Flow Sensor for use with ACC controller, 1in. Schedule 40 Sensor Body, 24 VAC, 2 amp. See detail 2/SL2.5
POC	Point of Connection 1 1/2"
	Irrigation Lateral Line: PVC Schedule 40 Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4". See Details 5&6/SD2.5
	Irrigation Mainline, Size per plan: PVC Schedule 40. See Details 5&6/SL2.5
	Pipe Sleeve: PVC Schedule 40. See Details 5&6/SD2.5
1½"	Schedule 40 PVC for electrical control wires, size as indicated on plans. Coordinate with electrical. Extend irrigation control wire from controller to mainline.

Valve Callout: # Valve Number; # Valve Flow; #" Valve Size

Detail Callout: # Detail Number; L# Sheet Number

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM
1	Hunter ICV-G-R	1"	Shrub Spray	8.8
2	Hunter ICV-G-R	1"	Shrub Spray	9.1
3	Hunter ICV-G-R	1"	Turf Spray	7.6
4	Hunter ICV-G-R	1"	Turf Spray	26.5
5	Hunter ICV-G-R	1"	Turf Spray	22.2
6	Hunter ICV-G-R	1"	Shrub Spray	6
7	Hunter ICV-G-R	1"	Shrub Spray	9.8
8	Hunter ICV-G-R	1"	Shrub Spray	8
9	Hunter ICV-G-R	1"	Shrub Spray	14.59
10	Hunter ICV-G-R	1"	Bubbler	5
11	Hunter ICV-G-R	1"	Shrub Spray	13.65
12	Hunter ICV-G-R	1"	Turf Spray	27.9
13	Hunter ICV-G-R	1"	Shrub Spray	10.6
14	Hunter ICV-G-R	1"	Turf Spray	16.82
15	Hunter ICV-G-R	1"	Turf Spray	27.98
16	Hunter ICV-G-R	1"	Shrub Spray	24.11
17	Hunter ICV-G-R	1"	Turf Spray	18.6
18	Hunter ICV-G-R	1"	Turf Spray	16.82

CALLOUT LEGEND

1. CONNECT NEW 1 1/2" MAINLINE TO 1 ½" STUB IN THIS APPROXIMATE LOCATION.
2. IRRIGATION CONTROLLER AS REQUIRED. CONNECT 120 VOLT AS REQUIRED. ALL ABOVE GRADE WIRES SHALL BE LOCATED IN APPROPRIATELY SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE ALL CONTROLLER OPTIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL.
3. CONNECT NEW FIBER TO IRRIGATION CONTROLLER. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
4. IRRIGATION MATERIALS SHOWN IN HARDSCAPE IS FOR GRAPHIC CLARITY ONLY AND SHALL BE LOCATED IN ADJACENT LANDSCAPING WITHIN SITE PROPERTY. REFER TO SLEEVING LOCATIONS FOR HARDSCAPE CROSSINGS.

PRESSURE ANALYSIS

P.O.C. NUMBER: 01
Water Source Information:

FLOW AVAILABLE

Point of Connection Size:	1 1/2"
Flow Available	78 GPM

PRESSURE AVAILABLE

Static Pressure at POC:	75 PSI
Pressure Available:	75 PSI

DESIGN ANALYSIS

Maximum Station Flow:	28.14 GPM
Flow Available at POC:	46.59 GPM
Residual Flow Available:	18.45 GPM
Critical Station:	11
Design Pressure:	30 PSI
Friction Loss:	2.03 PSI
Fittings Loss:	0.2 PSI
Elevation Loss:	0 PSI
Loss through Valve:	7.88 PSI
Pressure Req. at Critical Station:	40.1 PSI
Loss for Fittings:	1.14 PSI
Loss for Main Line:	11.4 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	0 PSI
Loss for Master Valve:	1.5 PSI
Critical Station Pressure at POC:	54.1 PSI
Pressure Available:	60 PSI
Residual Pressure Available:	5.88 PSI

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STATE OF IDAHO JON FRITZ BRECKON LICENSED LANDSCAPE ARCHITECT LA-16536 10/28/2024

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SL2.0
IRRIGATION PLAN

Know what's **below**. Call before you dig.
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IRRIGATION SYSTEM NON-POTABLE WATER NOTES

1. ALL VALVE BOXES, QUICK COUPLER VALVES, SPRINKLER HEAD COVERS, AND AUTOMATIC CONTROL VALVES SHALL BE PURPLE TINTED IDENTIFICATION MATERIAL, MARKED WITH "DO NOT DRINK" WARNING.
2. INSTALL FINDER TAPE OVER ALL IRRIGATION MAINS. TAPE SHALL BE 2" WIDE, METALLIC PURPLE IN COLOR, WITH THE WORDS "DANGER - UNSAFE WATER" OR "NON-POTABLE WATER" CLEARLY MARKED ALONG THE LENGTH OF THE TAPE. TAPE SHALL BE PLACED BETWEEN SIX INCHES (6") AND EIGHTEEN INCHES (18") BELOW THE SURFACE, DIRECTLY ABOVE THE TOP OF THE PIPE.

SYSTEM OPERATIONAL NOTES

SYSTEM OPERATION:

(BASED ON HISTORICAL CLIMATE)

CONTROLLER SETUP:

A CYCLING TECHNIQUE WILL BE USED FOR APPLICATION OF WATER, EACH STATION RUN TIME WILL BE APPLIED WITH THREE (3) DIFFERENT START TIMES. THEREFORE STATION RUN TIMES REFLECT ONE THIRD (1/3) THE TOTAL APPLICATION. PEAK WATER APPLICATION WILL REQUIRE IRRIGATION EVERY NIGHT. SET CONTROLLERS FOR START TIME #1 AT 7:30P.M., START TIME #2 AT 12:00A.M., AND START TIME #3 AT 5:30A.M. EXTEND WATER WINDOW IF REQUIRED TO MEET PEAK WATER REQUIREMENTS.

INITIAL STATION RUN TIMES:

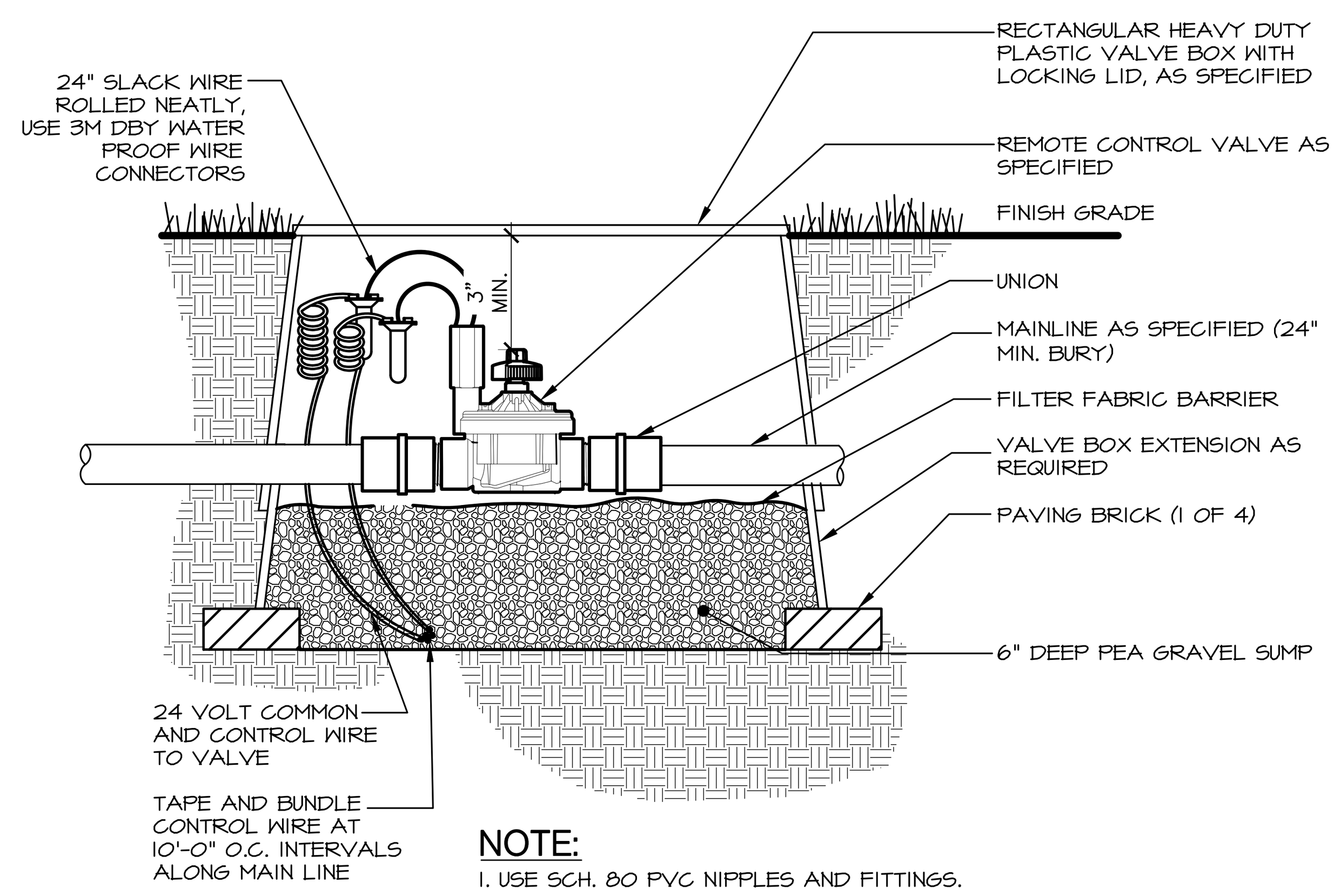
DRIP ZONES: SHRUBS - 10 MINUTE CYCLES. (8 CYCLES MINIMUM SPACED EVENLY THROUGHOUT WATER WINDOW AS NOTED ABOVE)
SPRAY ZONES: TURF - 5 MINUTE CYCLES.
ROTOR ZONES: TURF - 15 MINUTE CYCLES.

SYSTEM BALANCING:

AS THE SYSTEM OPERATES, SOME ZONES WILL BE WET WHILE OTHERS ARE DRY. ADJUST ONLY THOSE STATIONS WHICH REQUIRE ADDITIONAL OR LESS WATER. FOR EXAMPLE, IF STATION TS1, A 15' TURF SPRAY ZONE IS ALWAYS DRY, CHANGE THE STATION TS1 RUN TIME FROM FIFTEEN (15) MINUTES TO SIXTEEN (16) MINUTES. CONTINUE MAKING ADJUSTMENTS UNTIL THE ZONE MOISTURE CONTENT IS ACCEPTABLE. USE NOZZLE CHANGES OR NOZZLE SCREW ADJUSTMENTS TO ADJUST WET AND DRY AREAS WITHIN A ZONE.

IRRIGATION NOTES

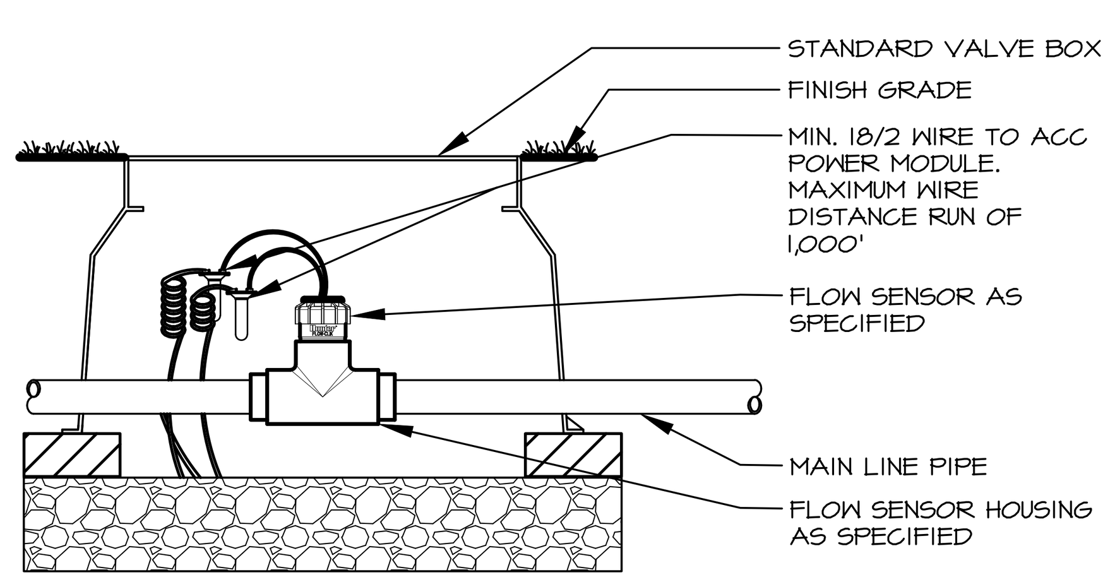
1. SYSTEM DESIGN BASED ON THE ASSUMPTION OF THE AVAILABILITY OF 30 G.P.M. WITH 60 P.S.I. AT THE SOURCE AND 30 P.S.I. AT THE HEADS.
2. ALL LATERAL LINES THAT ARE NOT LABELED SHALL BE 3/4" DIAMETER.
3. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INITIATION OF ANY DEMOLITION OR CONSTRUCTION OPERATIONS. ANY DAMAGE TO EXISTING UTILITIES SHALL BE CONTRACTOR'S RESPONSIBILITY.
4. COORDINATE ALL IRRIGATION INSTALLATION OPERATIONS WITH CIVIL, MECHANICAL, AND ELECTRICAL ENGINEERING SHEETS.
5. CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION CONDUIT AND SLEEVES UNDER HARD SURFACES WITH RESPECTIVE CONTRACTORS.
6. ALL SLEEVES SHALL BE INSTALLED AS PART OF IRRIGATION CONTRACT. APPROXIMATE LOCATION OF SLEEVES ARE SHOWN ON THE IRRIGATION PLAN. FIELD VERIFY LOCATION. ALL ENDS OF SLEEVES SHALL BE TAPED OR CAPPED AND MARKED WITH A 2"X 4" PAINTED STAKE EXTENDING TO 24" ABOVE GRADE. STAKES SHALL NOT BE REMOVED UNTIL THE IRRIGATION SYSTEM IS COMPLETE. ALL SLEEVES SHALL EXTEND A MINIMUM OF 18" BEYOND BACK OF CURB OR EDGE OF PAVEMENT. PROVIDE COMPACTED BACKFILL AS NECESSARY AT HARD SURFACE LOCATIONS.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK.
8. IRRIGATION CONTROLLER(S) ARE TO BE LOCATED AS SHOWN ON THE PLAN. CONTROLLERS SHALL BE WIRED TO POWER SUPPLY BY A LICENSED ELECTRICIAN PER LOCAL CODES. IRRIGATION CONTRACTOR TO PROVIDE ALL REQUIRED CONNECTIONS TO 24 VOLT IRRIGATION CONTROL WIRE INSIDE THE BUILDING THROUGH APPROPRIATE SIZED CONDUIT.
9. ALL HEADS ARE TO BE 4" POP-UP IN LAWN AREAS. IRRIGATED AREAS CONTAINING VEGETATION WHICH POTENTIALLY MAY IMPEDE PERFORMANCE OF A 4" POP-UP SPRINKLER ARE TO BE REPLACED WITH A 12" HIGH POP-UP SPRINKLER.
10. ALL ELECTRICAL WORK TO MEET OR EXCEED N.E.C., STATE CODES, LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
11. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ROCK AND DEBRIS BROUGHT TO THE SURFACE AS A RESULT OF TRENCHING OPERATIONS.
12. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
13. ALL 24 VOLT POWER WIRES SHALL BE #14 AWG SOLID COPPER. ALL ABOVE GROUND 120 VOLT AND 24 VOLT WIRE SHALL BE IN PVC CONDUIT. ALL 24 VOLT CONTROL WIRES SHALL BE LOCATED IN A 3/4" CONDUIT.
14. INSTALLATION SHALL COMPLY WITH ALL NATIONAL, STATE, AND LOCAL LAWS AND ORDINANCES.
15. IRRIGATION CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT DRAWING IN PDF FORMAT UPON COMPLETION OF INSTALLATION AND PRIOR TO FINAL PAYMENT.
16. THE ENTIRE SYSTEM SHALL BE GUARANTEED TO BE COMPLETE AND PERFECT IN EVERY DETAIL FOR A PERIOD OF ONE YEAR FROM THE DATE OF ITS ACCEPTANCE; REPAIR OR REPLACEMENT OF ANY DEFECTS OCCURRING WITHIN THAT ONE YEAR SHALL BE FREE OF EXPENSE TO THE OWNER.
17. AS PART OF THIS CONTRACT, PERFORM AT NO EXTRA COST WINTERIZATION AND SPRING START UP OF THE SYSTEM DURING THE GUARANTEE PERIOD (1 YEAR).
18. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF THE QUALITY AND PERFORMANCE SPECIFIED, AND SHALL MEET THE REQUIREMENTS OF THIS SYSTEM. USE MATERIALS AS SPECIFIED, NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN PERMISSION OF THE OWNER OR DESIGN PROFESSIONAL.
19. IRRIGATION CONTRACTOR SHALL MAKE NECESSARY MINOR FIELD ADJUSTMENTS TO SPRINKLER NOZZLES, SPRINKLERS, PIPE, AND OTHER IRRIGATION EQUIPMENT LOCATIONS TO FIT THE AS-BUILT SITE. ADJUST HEAD AND PIPE LOCATIONS AS REQUIRED TO AVOID DAMAGING EXISTING TREE ROOTS. ADJUSTMENTS SHALL ENSURE HEAD TO HEAD COVERAGE AND NOT OVER SPRAY THE BUILDING OR OTHER IMPROVEMENTS.
20. IRRIGATION PIPING LAYOUT IS SCHEMATIC. WHERE LINES ARE SHOWN BELOW PAVEMENT ADJACENT TO LANDSCAPE AREAS, THEY SHALL BE LOCATED IN THE LANDSCAPE AREA UNLESS SHOWN WITH A SLEEVE SYMBOL.
21. BASE PLAN AND LOCATION OF EXISTING EQUIPMENT ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL BASE AND EXISTING IRRIGATION ELEMENTS AND CONDITIONS PRIOR TO CONSTRUCTION AND PROVIDE NECESSARY ADJUSTMENTS.
22. IRRIGATION CONTRACTOR SHALL USE THE MANUFACTURER'S APPROVED PRESSURE REGULATING MODULE AS SPECIFIED TO ADJUST ZONE OPERATING PRESSURES TO AN AVERAGE OF 30 P.S.I. IN SPRAY ZONES AND 45 P.S.I. IN ROTOR ZONES.
23. ALL MAIN LINE FITTINGS SHALL BE SCHEDULE 40 SOLVENT WELD TYPE UNLESS NOTED FOR LATERAL SERVICE.
24. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE DESIGN PROFESSIONAL.
25. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE CERTIFICATE OF COMPLETION IRRIGATION SCHEDULING, LANDSCAPE AND IRRIGATION MAINTENANCE SCHEDULES, IRRIGATION AUDIT, IRRIGATION SURVEY, AND IRRIGATION WATER USE ANALYSIS.



NOTE:
1. USE SCH. 80 PVC NIPPLES AND FITTINGS.

1 MASTER VALVE AND REMOTE CONTROL VALVE

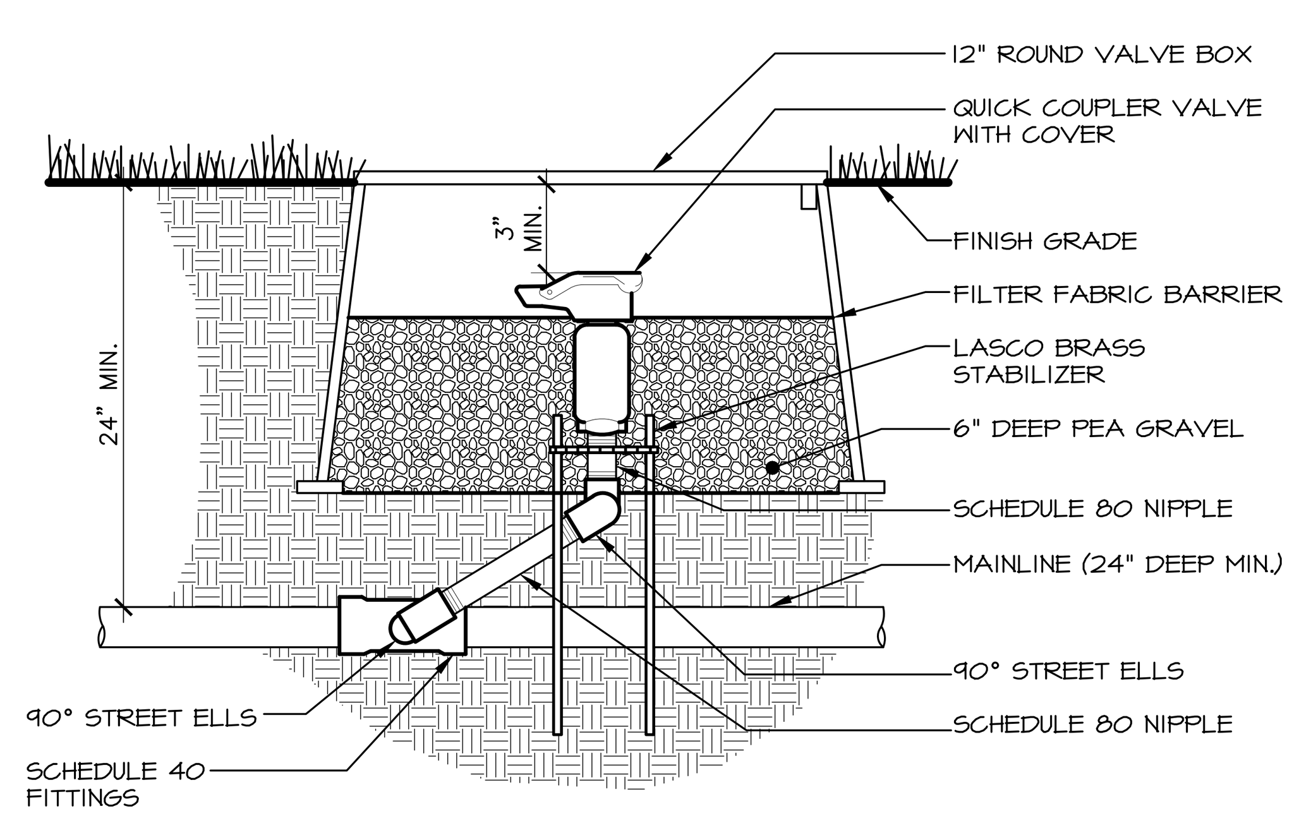
NOT TO SCALE



NOTE:
INLET PIPE LENGTH OF SENSOR MUST BE MIN. 10X PIPE DIA. STRAIGHT, CLEAN RUN OF PIPE, NO FITTINGS OR TURNS. OUTLET PIPE LENGTH OF SENSOR MUST BE MIN. 5X PIPE DIA. OF STRAIGHT CLEAN RUN OF PIPE, NO FITTINGS OR TURNS.

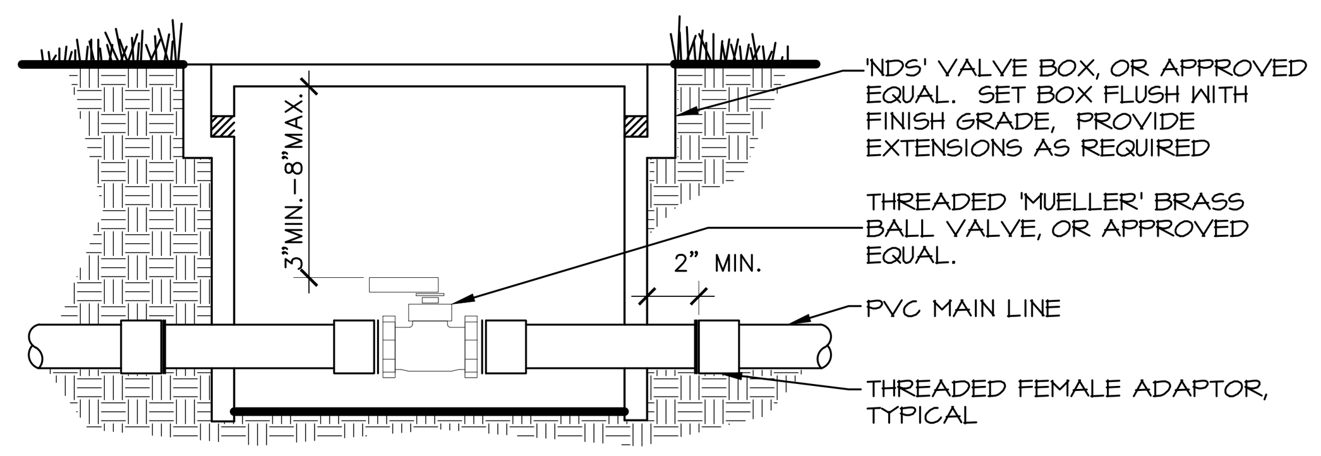
2 FLOW SENSOR

Scale: NTS



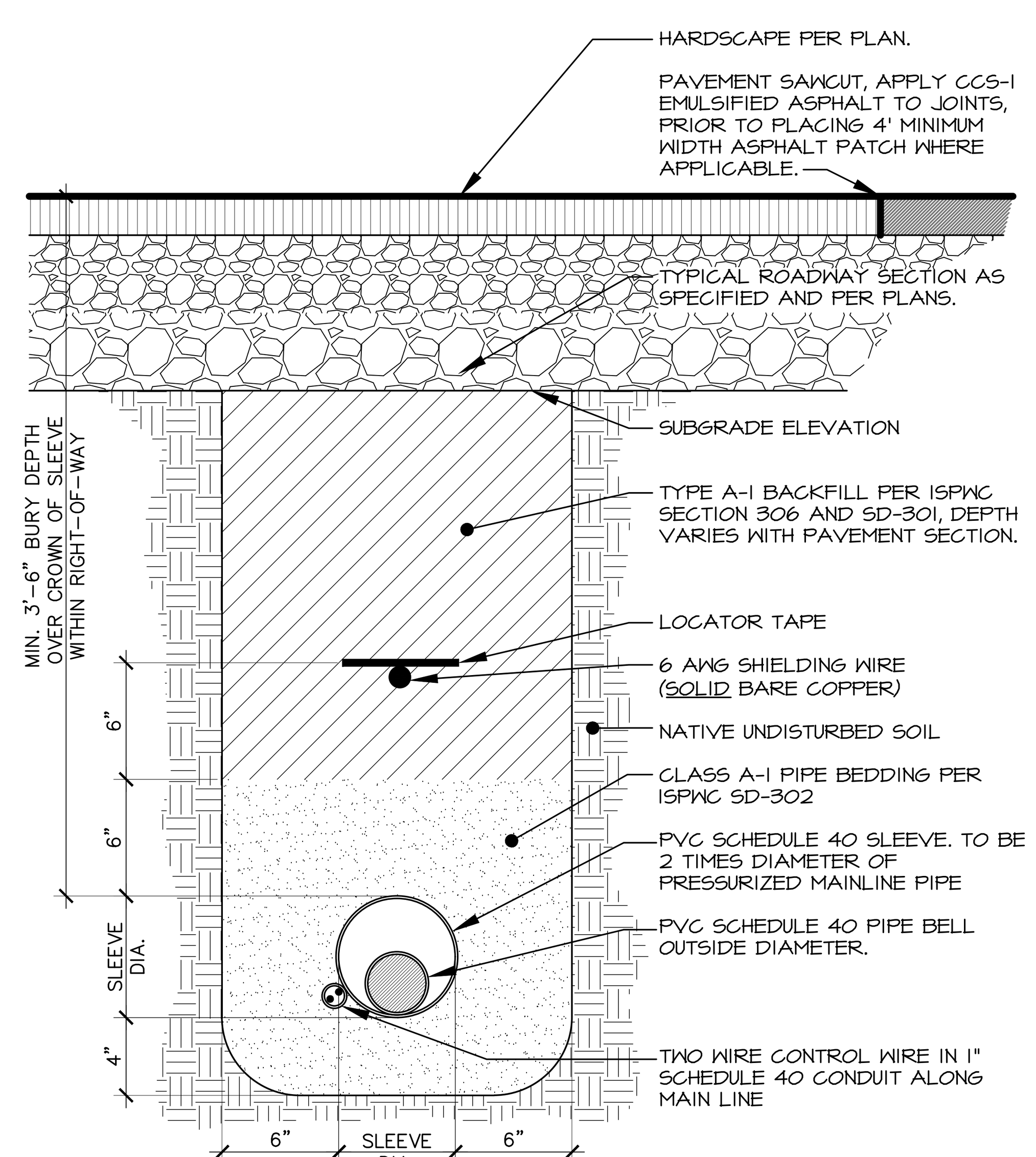
3 QUICK COUPLER VALVE

NOT TO SCALE



4 ISOLATION VALVE

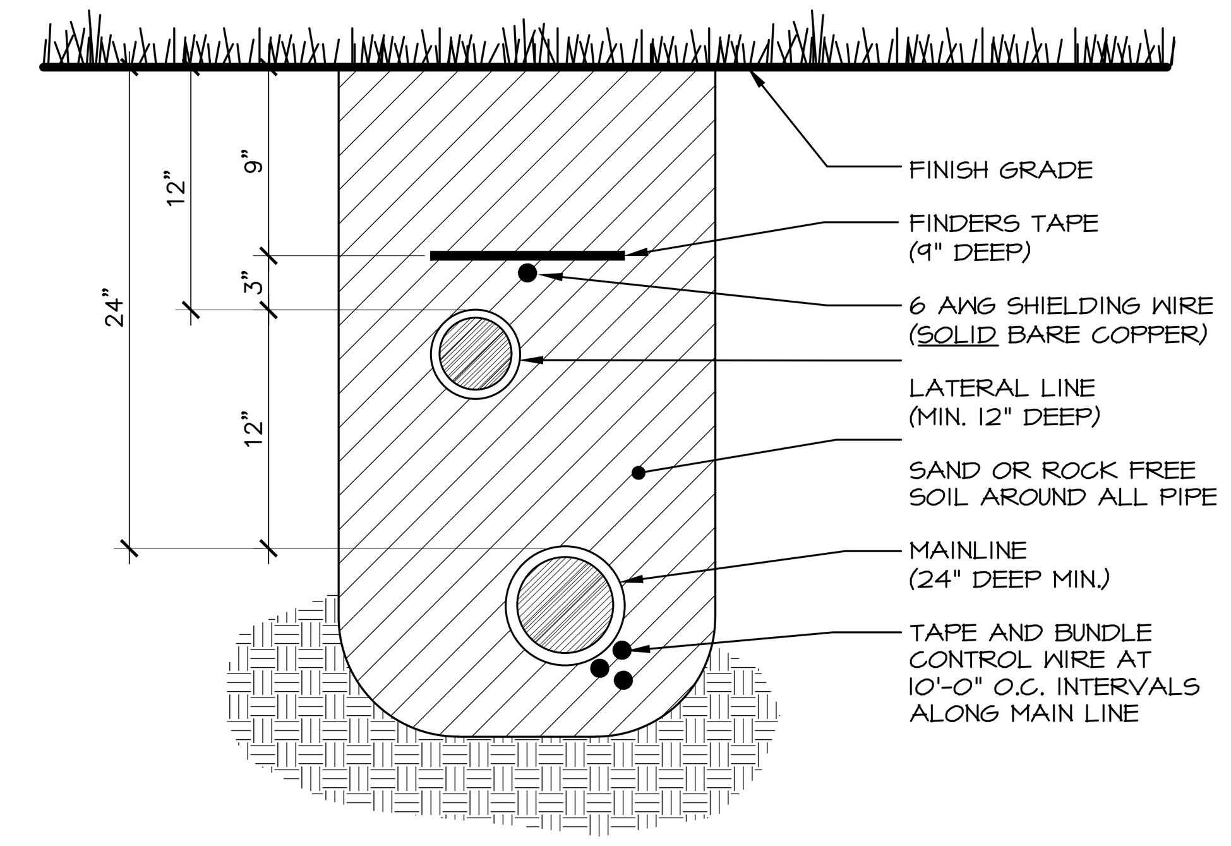
NOT TO SCALE



NOTE:
1. COORDINATE WITH OTHER CONTRACTORS TO INSTALL SLEEVE, CONDUIT, FINDER TAPE AND LOCATING WIRE PRIOR TO INSTALLATION OF ROADWAY IF APPLICABLE.
2. ROAD CROSSING INSTALLATION REQUIREMENTS APPLY WITH THE FULL EXTENT OF THE RIGHT-OF-WAY.
3. IN CASE OF CONFLICTS WITH OTHER UTILITIES, IRRIGATION SLEEVE SHALL CROSS BELOW OTHER UTILITIES.
4. THE CONTRACTOR SHALL CONSTRUCT ALL ROAD CROSSINGS OF THE IRRIGATION PIPE AND POTABLE WATER PIPE IN ACCORDANCE WITH THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS AND THE ISPWC SD-407.

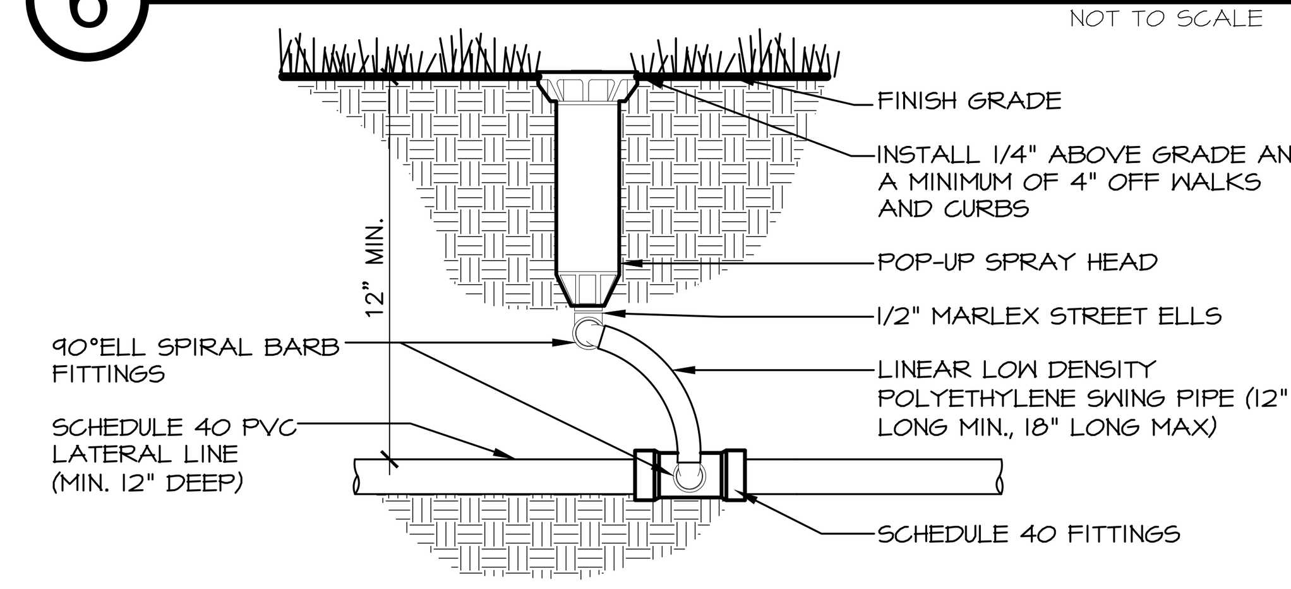
5 HARDSCAPE CROSSING TRENCH SECTION

Scale: 1-1/2"= 1'-0"



6 TRENCH SECTION

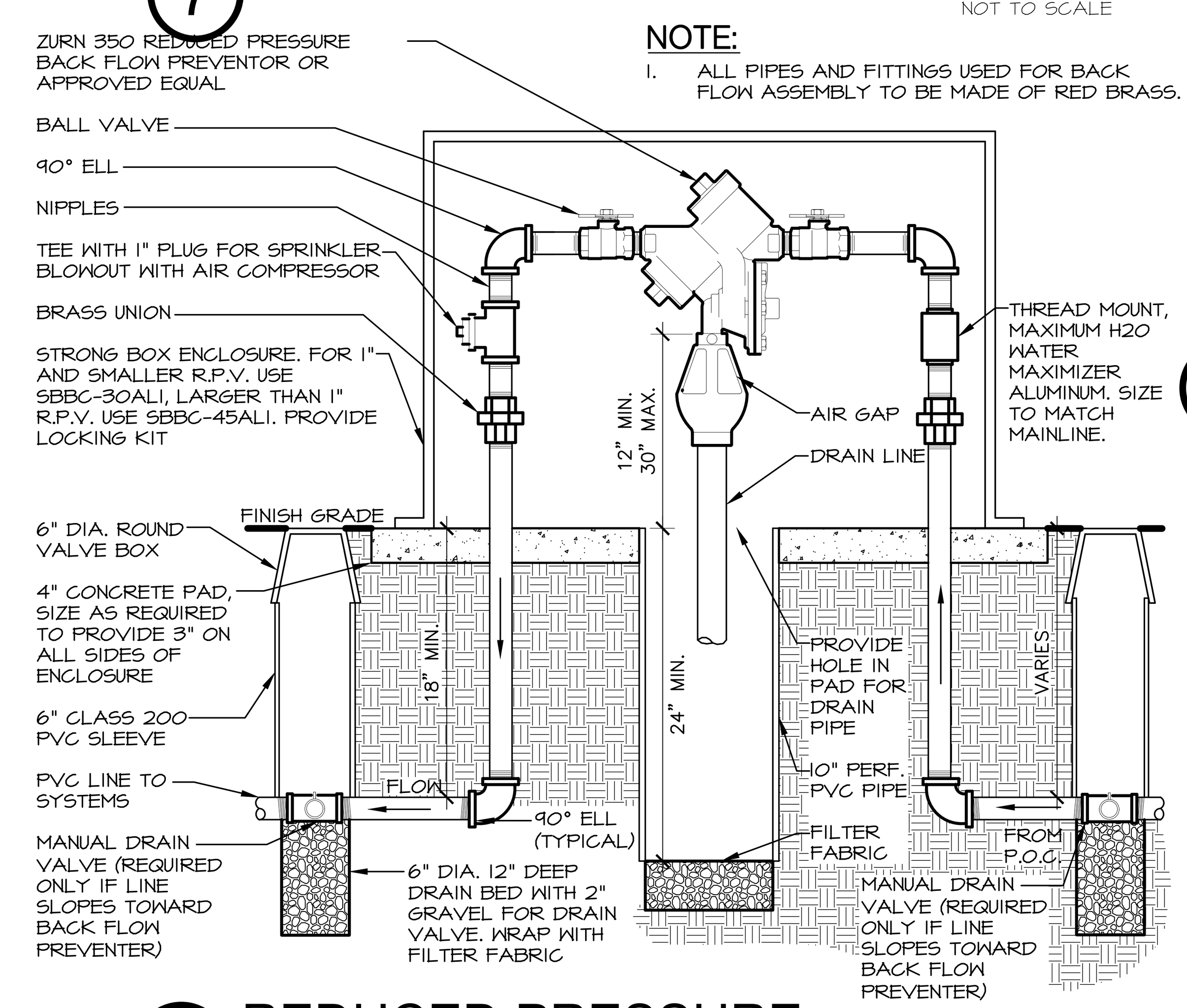
NOT TO SCALE



7 SPRAY HEAD POP-UP SPRINKLER

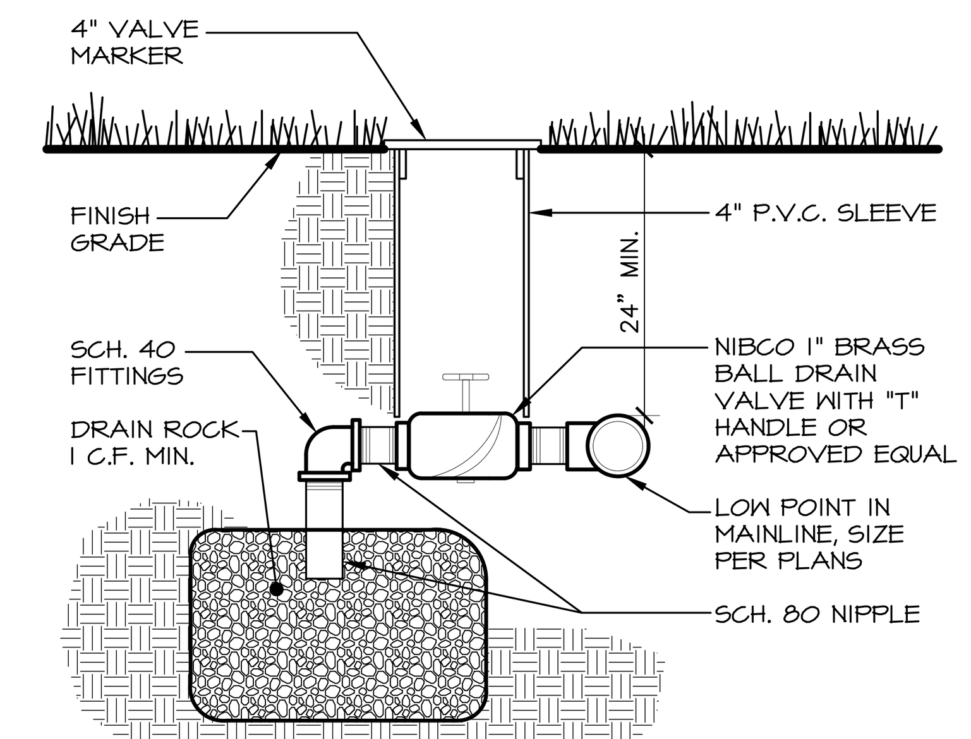
NOT TO SCALE

NOTE:
1. ALL PIPES AND FITTINGS USED FOR BACK FLOW ASSEMBLY TO BE MADE OF RED BRASS.



9 REDUCED PRESSURE BACK FLOW PREVENTER

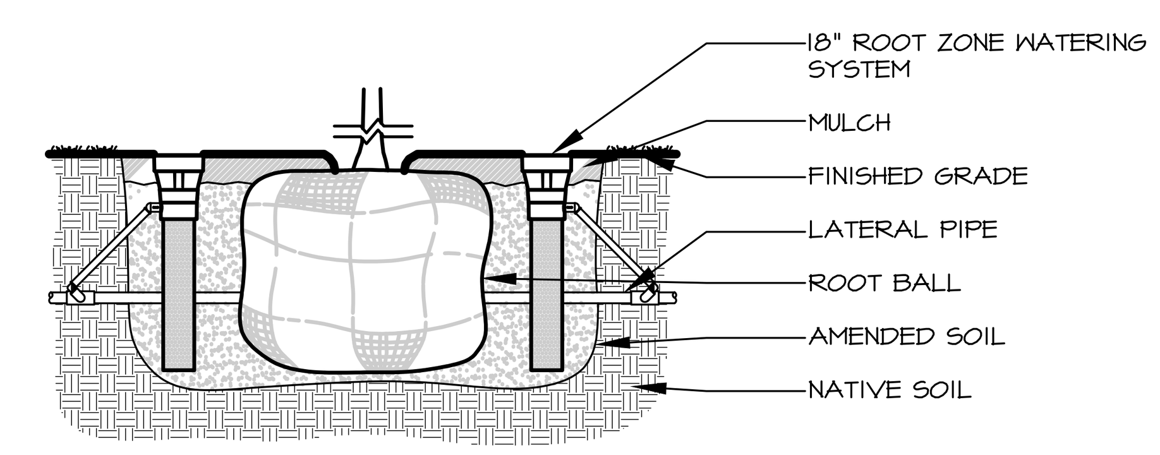
NOT TO SCALE



NOTE:
1. DRAIN LINES MAY BE DIRECTED TO THE SITE DRAINAGE SYSTEM WHERE APPLICABLE. REFER TO PLANS FOR MORE INFORMATION.

10 MANUAL DRAIN VALVE

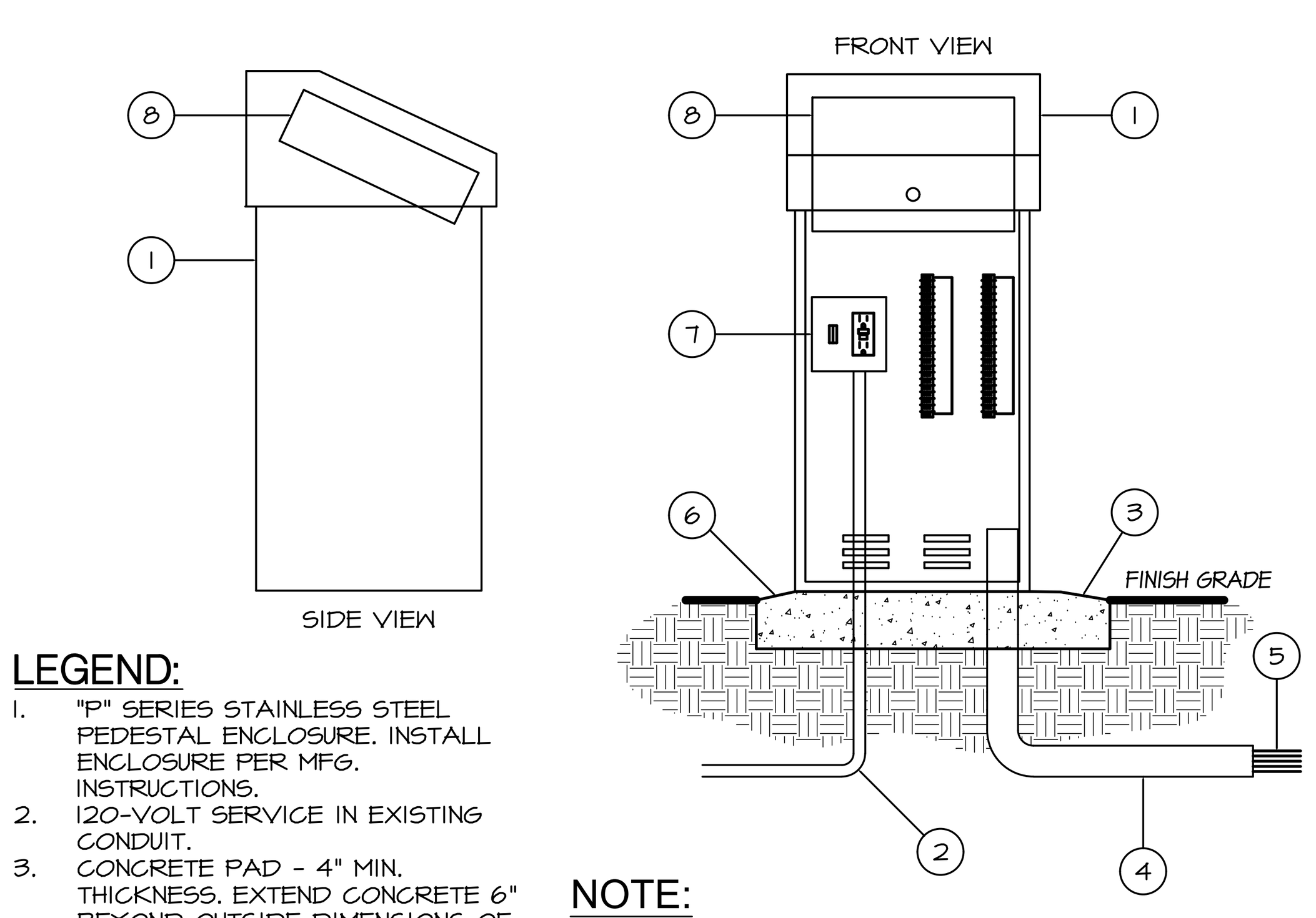
NOT TO SCALE



NOTE:
1. INSTALL RZWS SLEEVE OVER TUBE TO HELP PREVENT SOIL INTRUSION

11 ROOT ZONE WATERING SYSTEM

Scale: NTS

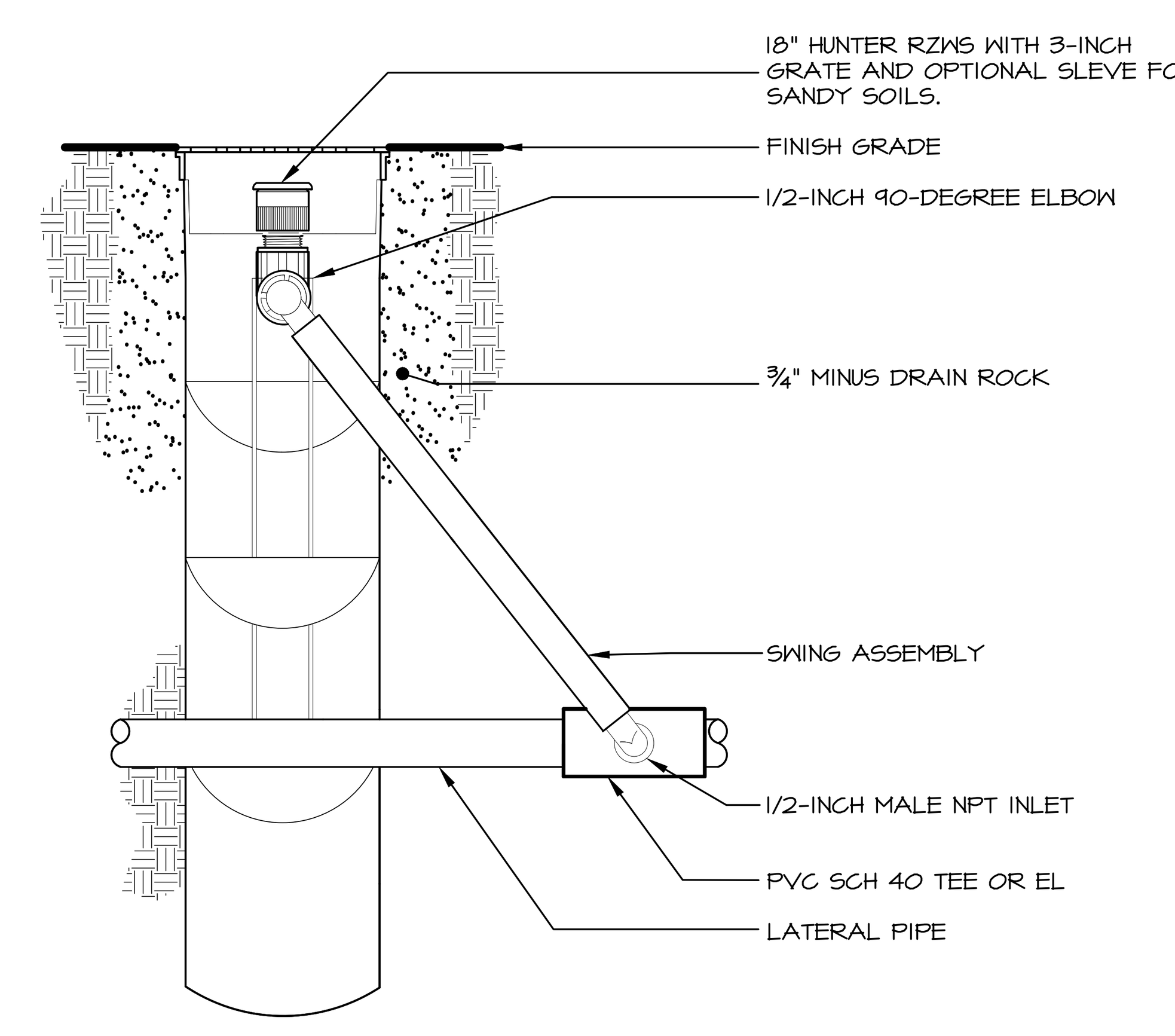


LEGEND:
1. "P" SERIES STAINLESS STEEL PEDESTAL ENCLOSURE. INSTALL ENCLOSURE PER MFG. INSTRUCTIONS.
2. 120-VOLT SERVICE IN EXISTING CONDUIT.
3. CONCRETE PAD - 4" MIN. THICKNESS. EXTEND CONCRETE 6" BEYOND OUTSIDE DIMENSIONS OF ENCLOSURE WITH 1/2% SLOPE FOR DRAINAGE.
4. EXISTING CONDUIT
5. DIRECT BURIAL CONTROL WIRES TO CONTROL VALVES.
6. FINISH GRADE
7. CONTROLLER SUB-ASSEMBLY (CSA) INCLUDES GFI & TERMINAL STRIPS WITH PLACARDS.
8. AUTOMATIC CONTROLLER.

NOTE:
1. BASESTATION CONTROLLERS ARE EQUIPPED WITH BUILT-IN ETHERNET PORT.
2. ADDITIONAL CONDUITS MAY BE REQUIRED FOR GROUNDING AND COMMUNICAION CABLES.
3. PROPER GROUNDING IS REQUIRED TO ACHIEVE GROUND RESISTENCE OF 10 OHMS OR LESS.
4. SEE MOUNTING TEMPLATE INSTRUCTION FOR PROPER PLACEMENT AND MOUNTING OF THE PEDESTAL TO THE CONCRETE.

8 CONTROLLER PEDESTAL

NOT TO SCALE



12 ROOT ZONE SPRINKLER

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College of Southern Idaho
Jerome, Idaho

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SL2.5
IRRIGATION DETAILS

S:_projects\2022\22113 csi jerome tc\CAD\SHEETS\22113 Irrigation.dwg plotted by kehrsabree on Wed, October 23 2024 at 04:25 PM

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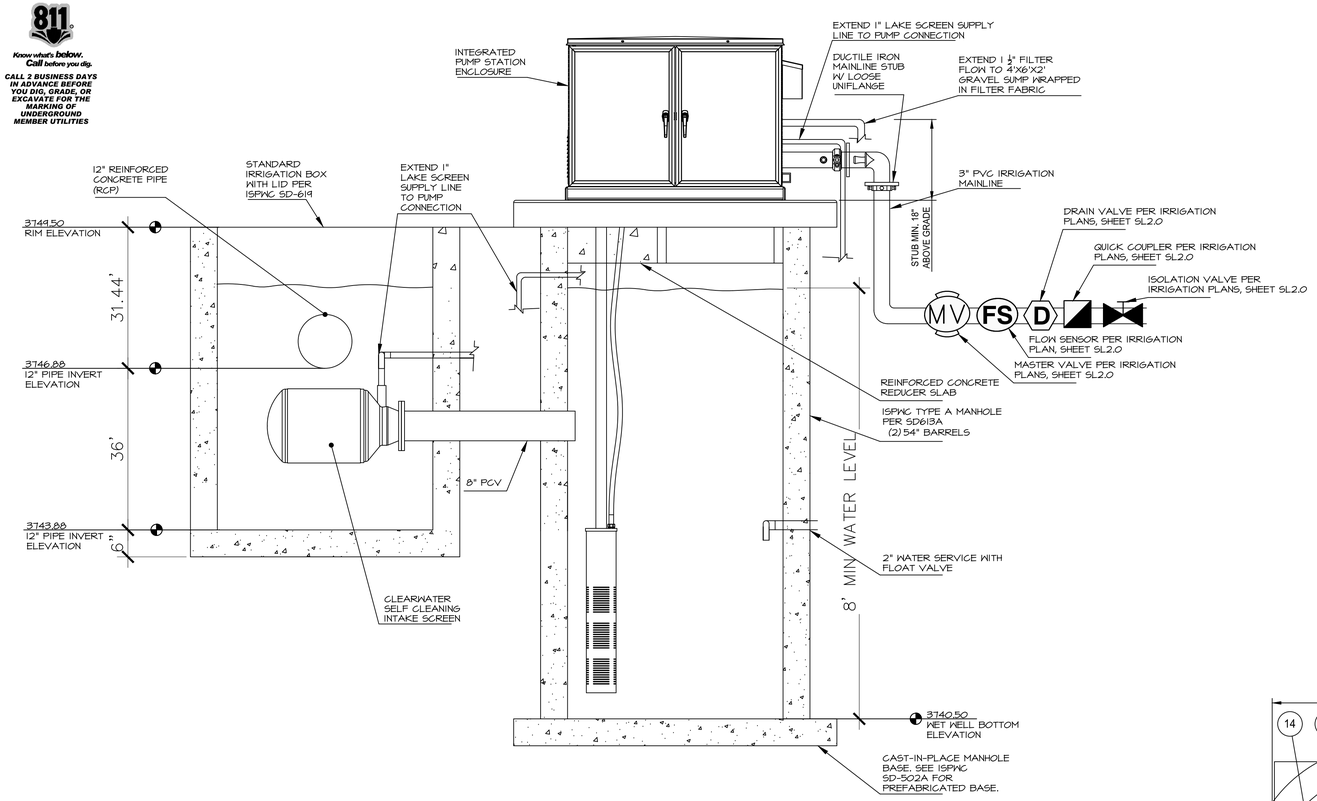
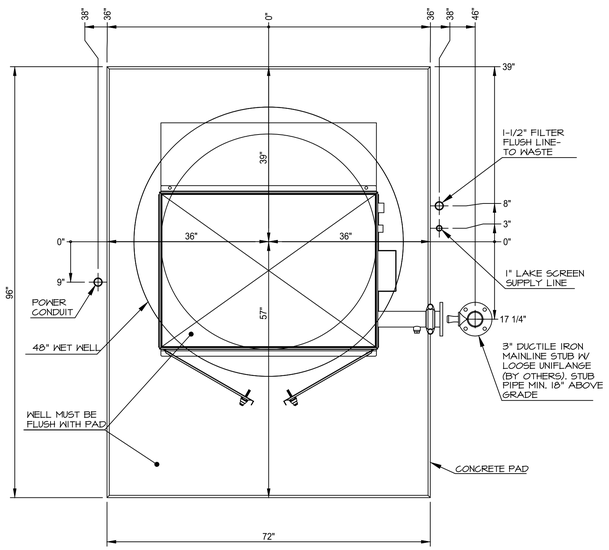


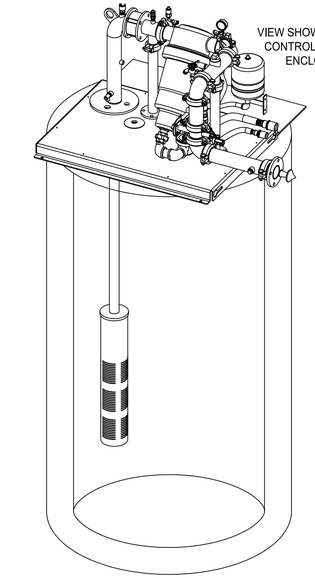
1 RECOMMENDED VAULT LAYOUT- SECTION A-A'

Scale: 3/4"= 1'-0"



2 RECOMMENDED CONCRETE PAD LAYOUT- 48" WELL

Scale: 1"=1'-0"

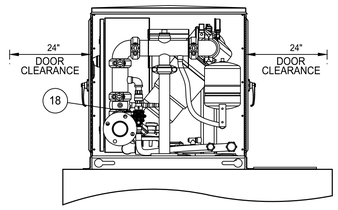


VIEW SHOWN WITHOUT CONTROL PANEL OR ENCLOSURE

DESIGN SPECIFICATIONS

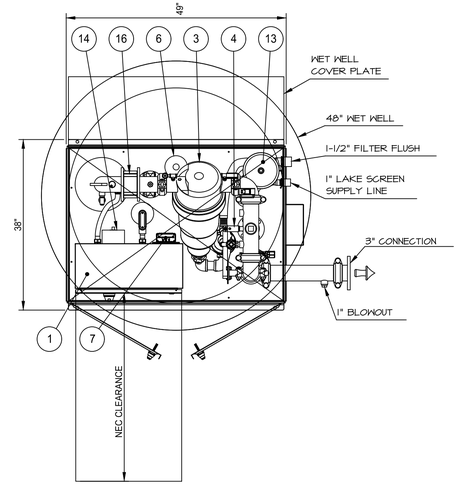
DESIGN FLOW RATE: 78 GPM @ 75 PSI
POWER: 240 VOLT 1 PHASE
MODEL #: S##VIS007X0007B-075V32B240NS-3

ITEM NO.	DESCRIPTION	QTY.
1	CONTROL PANEL	1
2	ENCLOSURE, MARINE GRADE ALUMINUM, 2-DOOR	1
3	FILTER, VAF200	1
4	FLOW METER/FLOW SWITCH	1
5	HIGH PRESSURE SWITCH	1
6	LEVEL SENSOR/FLOAT SWITCH CAP	2
7	MODEM	1
8	PRESSURE DIFFERENTIAL GAUGE & SWITCH	1
9	PRESSURE GAUGE	1
10	PRESSURE TRANSDUCER	1
11	PUMP, SUBMERSIBLE	1
12	SKID, BENT	1
13	TANK, PRESSURE	1
14	UTILITY HEATER	1
15	VALVE, AIR RELIEF, FV-4	1
16	VALVE, BUTTERFLY, GROOVE, LEVER	1
17	VALVE, CHECK, SILENT	1
18	VALVE, FILTER FLUSH	2
19	VALVE, LAKE SCREEN SUPPLY	1
20	VALVE, PRESSURE RELIEF	1



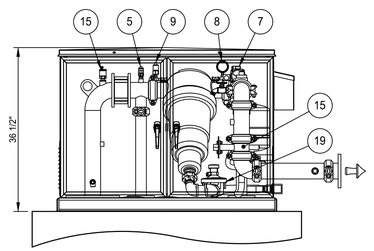
5 SIDE VIEW

Scale: NTS



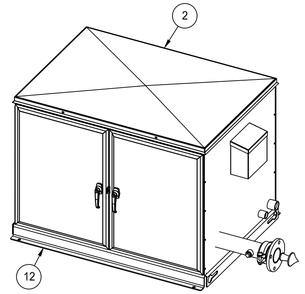
3 PLAN VIEW

Scale: NTS



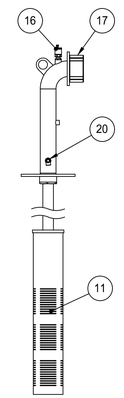
4 FRONT VIEW

Scale: NTS



6 ENCLOSURE BOX

Scale: NTS



7 DUTY PUMP

Scale: NTS

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STATE OF IDAHO
JON FRITZ BRECKON
Jon Breckon
LA-16536
10/28/2024
LICENSED LANDSCAPE ARCHITECT

CSI LEROY CRAIG JEROME CENTER
College of Southern Idaho
Jerome, Idaho

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IRRIGATION DETAILS

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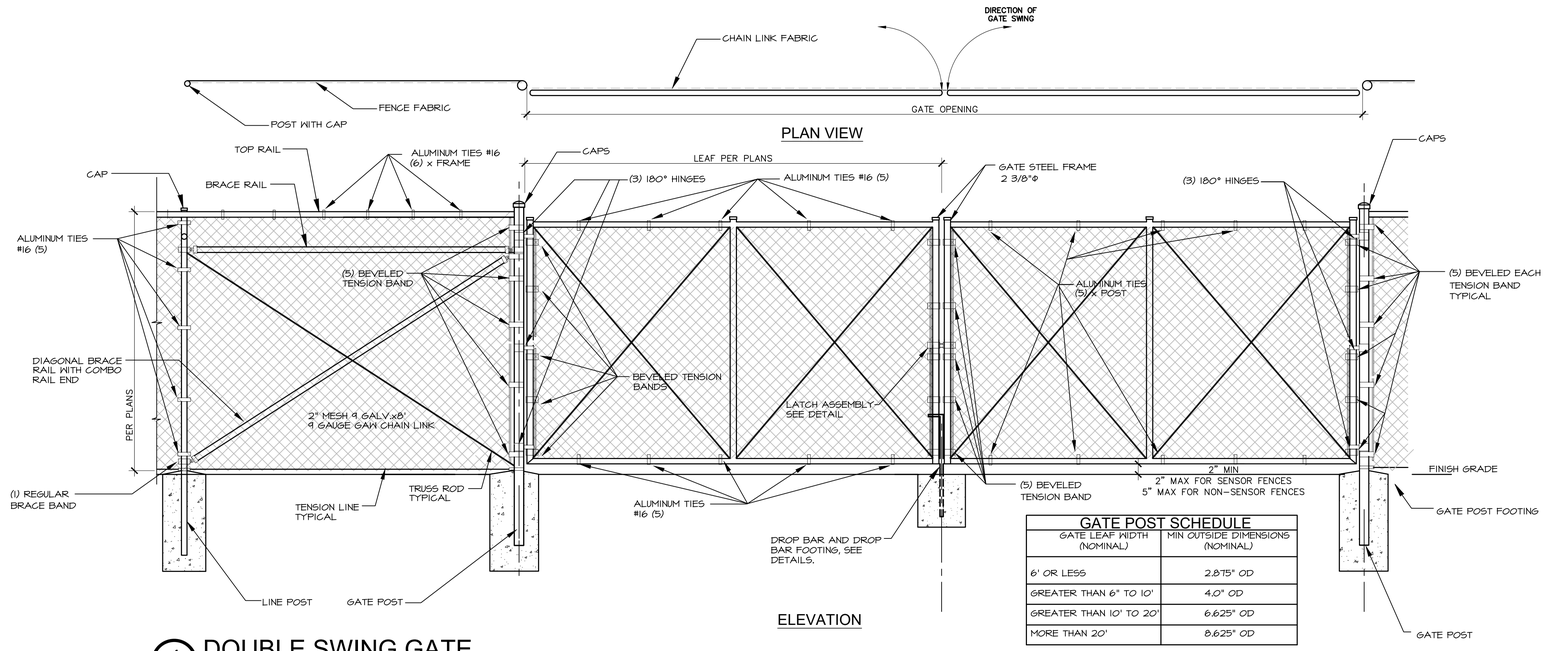
IRRIGATION CONSTRUCTION NOTES

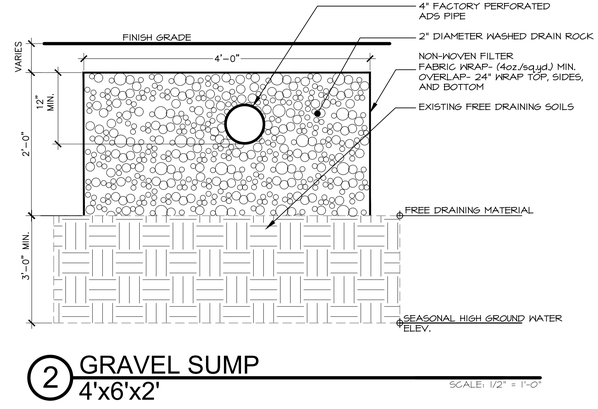
1. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INITIATION OF ANY DEMOLITION OR CONSTRUCTION OPERATIONS. ANY DAMAGE TO EXISTING UTILITIES SHALL BE CONTRACTOR'S RESPONSIBILITY.
2. COORDINATE ALL IRRIGATION INSTALLATION OPERATIONS WITH MECHANICAL, AND ELECTRICAL ENGINEERING SHEETS.
3. CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION CONDUIT AND SLEEVES UNDER HARD SURFACES WITH RESPECTIVE CONTRACTORS.
4. ALL SLEEVES SHALL BE INSTALLED AS PART OF IRRIGATION CONTRACT. APPROXIMATE LOCATION OF SLEEVES ARE SHOWN ON THE IRRIGATION PLAN. FIELD VERIFY LOCATION. ALL ENDS OF SLEEVES SHALL BE TAPED OR CAPPED AND MARKED WITH A 2"X 4" PAINTED STAKE EXTENDING TO 24" ABOVE GRADE. STAKES SHALL NOT BE REMOVED UNTIL THE IRRIGATION SYSTEM IS COMPLETE. ALL SLEEVES SHALL EXTEND A MINIMUM OF 18" BEYOND BACK OF CURB OR EDGE OF PAVEMENT. PROVIDE COMPACTED BACKFILL AS NECESSARY AT HARD SURFACE LOCATIONS.
5. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK.
6. OTHERS SHALL SUPPLY AND INSTALL TAP AND METER WHERE APPLICABLE. VERIFY TYPE OF METER AND INSTALLATION REQUIREMENTS WITH MUNICIPALITY OR WATER DISTRICT.
7. ALL ELECTRICAL WORK TO MEET OR EXCEED N.E.C., STATE CODES, LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
8. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ROCK AND DEBRIS BROUGHT TO THE SURFACE AS A RESULT OF TRENCHING OPERATIONS.
9. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
10. INSTALLATION SHALL COMPLY WITH ALL NATIONAL, STATE, AND LOCAL LAWS AND ORDINANCES.
11. IRRIGATION CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT DRAWING ON MYLAR AND IN PDF FORMAT UPON COMPLETION OF INSTALLATION AND PRIOR TO FINAL PAYMENT.
12. THE ENTIRE SYSTEM SHALL BE GUARANTEED TO BE COMPLETE AND PERFECT IN EVERY DETAIL FOR A PERIOD OF ONE YEAR FROM THE DATE OF ITS ACCEPTANCE; REPAIR OR REPLACEMENT OF ANY DEFECTS OCCURRING WITHIN THAT YEAR SHALL BE FREE OF EXPENSE TO THE OWNER.
13. AS PART OF THIS CONTRACT, PERFORM AT NO EXTRA COST WINTERIZATION AND SPRING START UP OF THE SYSTEM DURING THE GUARANTEE PERIOD.
14. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF THE QUALITY AND PERFORMANCE SPECIFIED, AND SHALL MEET THE REQUIREMENTS OF THIS SYSTEM. USE MATERIALS AS SPECIFIED, NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN PERMISSION OF THE OWNER.
15. BASE PLAN AND LOCATION OF EXISTING EQUIPMENT ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL BASE AND EXISTING IRRIGATION ELEMENTS AND CONDITIONS PRIOR TO CONSTRUCTION AND PROVIDE NECESSARY ADJUSTMENTS.
16. ALL MAIN LINE FITTINGS SHALL BE LEEMCO DUCTILE IRON PUSH ON TYPE UNLESS NOTED FOR LATERAL SERVICE.
17. IRRIGATION CONTRACTOR SHALL ENSURE THAT THE EXISTING IRRIGATION SYSTEM REMAINS OPERABLE DURING CONSTRUCTION.
18. ANY DAMAGE TO THE EXISTING IRRIGATION SYSTEM SHALL BE IMMEDIATELY RECTIFIED. DAMAGED ELEMENTS SHALL BE REPLACED WITH NEW PRODUCTS OF EQUAL OR GREATER VALUE BY THE IRRIGATION CONTRACTOR, AT NO EXPENSE TO THE OWNER.
19. CONTRACTOR SHALL ADJUST EXISTING HEADS IN AREAS IMPACTED BY GRADING OPERATIONS TO ENSURE HEAD TO HEAD COVERAGE AND TO BE FLUSH WITH NEW FINISH GRADES.
20. SEEPAGE BEDS MUST BE PROTECTED FROM ANY AND ALL CONTAMINATION DURING THE CONSTRUCTION AND INSTALLATION OF THE LANDSCAPE IRRIGATION SYSTEM.
21. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE DESIGN PROFESSIONAL.



GATE POST SCHEDULE	
GATE LEAF WIDTH (NOMINAL)	MIN OUTSIDE DIMENSIONS (NOMINAL)
6' OR LESS	2.875" OD
GREATER THAN 6" TO 10'	4.0" OD
GREATER THAN 10' TO 20'	6.625" OD
MORE THAN 20'	8.625" OD

1 DOUBLE SWING GATE

SCALE: NTS



2 GRAVEL SUMP 4'x6'x2'

SCALE: 1/2" = 1'-0"

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STATE OF IDAHO — JON FRITZ BRECKON — 14836 — REGISTERED LANDSCAPE ARCHITECT — 10/28/2024

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College of Southern Idaho
Jerome, Idaho

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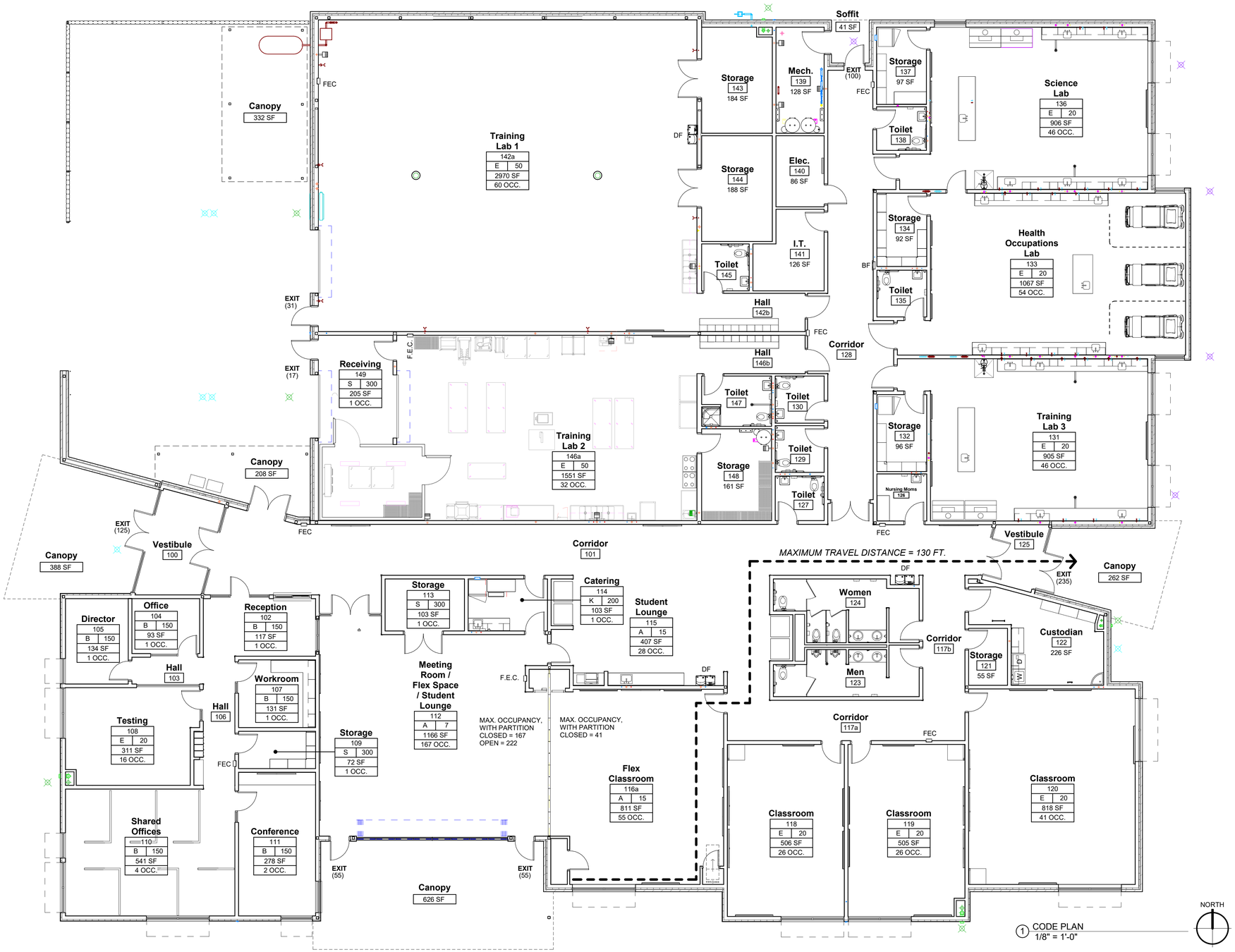
IRRIGATION DETAILS



1 CODE PLAN
1/8" = 1'-0"

General Notes

1. SEE SHEET A1.2 FOR ENERGY CODE ANALYSIS AND COMPLIANCE DOCUMENTATION
2. NUMBERS IN PARENTHESES ADJACENT TO EXIT AND PRIMARY ACCESS DOORS INDICATE NUMBER OF OCCUPANTS EGRESSING THROUGH THAT DOOR OR GROUP OF DOORS.

Applicable Codes

2018 INTERNATIONAL BUILDING CODE
2009 ICC A117.1
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FUEL GAS CODE
2017 IDAHO STATE PLUMBING CODE
2017 NATIONAL ELECTRIC CODE
2018 IDAHO FIRE CODE
2018 IDAHO ENERGY CONSERVATION CODE

Plumbing Fixtures

GROUP A - 3
PLUMBING FIXTURES
(MEETING ROOM / FLEX CLASSROOM / STUDENT LOUNGE)

OCCUPANT LOAD = 250
125 MEN / 125 WOMEN

WATER CLOSETS	REQUIRED	PROVIDED
MEN @ 1 : 125	1	1
WOMEN @ 1 : 65	2	2
LAVATORIES		
MEN @ 1 : 200	1	1
WOMEN @ 1 : 200	1	1
DRINKING FOUNTAIN @ 1 : 500	1	2

GROUP B
PLUMBING FIXTURES

OCCUPANT LOAD = 364
182 MEN / 182 WOMEN

WATER CLOSETS	REQUIRED	PROVIDED
MEN @ 2 FOR THE 1st 50 THEN 1 : 50	5	5
WOMEN @ 2 FOR THE 1st 50 THEN 1 : 50	5	5
LAVATORIES		
MEN @ 2 FOR THE 1st 80 THEN 1 : 80	4	4
WOMEN @ 2 FOR THE 1st 80 THEN 1: 80	4	5
DRINKING FOUNTAIN @ 1 : 100	4	4
MOP SINK	1	1

Legend

(#)	NUMBER OF EXITING OCCUPANTS
FEC	FIRE EXTINGUISHER CABINET AND EXTINGUISHER
DF	DRINKING FOUNTAIN
BF	BOTTLE FILLER

Building Code Compliance Summary

OCCUPANCY TYPE	GROUP B
CONSTRUCTION TYPE	II B
BUILDNG AREA	20,731 SF
BUILDNG FIRE AREA	22,558 SF
ALLOWABLE AREA (PER TABLE 506.2)	92,000 SF
BUILDING STORIES	ONE
BUILDING HEIGHT (MAX.)	28' - 0"
EXTERIOR WALL RATING	NOT REQUIRED (FIRE SEPARATION DISTANCE > 10')
FIRE WALLS	NONE
DRAFTSTOPPING	NONE

Occupant Load

SPACE	OCCUPANT LOAD FACTOR	OCCUPANTS
CLASSROOM / LABS	20 NET	255
TRAINING LAB	50 NET	92
OFFICE / SUPPORT	150 GROSS	10
STORAGE / ACCESSORY	300 GROSS	6
MEETING ROOM	7 NET	167
FLEX	15 NET	83
KITCHEN	200 GROSS	1
TOTAL		614

FIRE PROTECTION SYSTEMS	FIRE ALARM SYSTEM WITH AUDIBLE VOICE EVACUATION AND VISIBLE ALARMS THROUGHOUT
EXITS	(7) TOTAL, (3) FROM CORRIDORS, (4) FROM ROOMS
CORRIDOR CONSTRUCTION	NON-RATED
TRAVEL DISTANCE (MAXIMUM)	250 FT. SPRINKLERED
COMMON PATH OF EGRESS TRAVEL (MAXIMUM)	<75 FT. TO (2) PATHS OF EGRESS

DOORS	36" LEAFS WITH SWING AS SHOWN (OUTSWING REQUIRED WHERE OCCUPANT LOADS EXCEEDS 49)
DOOR HARDWARE	ADA COMPLIANT (PANIC HARDWARE REQUIRED WHERE OCCUPANT LOAD EXCEEDS 49)
ACCESSIBILITY	ACCESSIBLE ROUTE CONSISTING OF ADA COMPLIANT CORRIDORS, DOORWAYS, SHELVING, HARDWARE, FIXTURES, ELECTRICAL DEVICES, AND SIGNAGE
RATED CONSTRUCTION	NONE
FIRE EXINGUISHER CABINET (FEC)	WHERE SHOWN, SPACED 75' MAX.

LKV ARCHITECTS
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10/28/2024

Revisions
#	Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219

DRAWN BY: GB
CHECKED BY: RP

BID SET

DRAWING NO.:
A1.1
CODE PLAN

ENVELOPE COMPLIANCE PLAN
1" = 10'-0"

NORTH

COMcheck Software Version 4.1.5.5
Envelope Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	CSI LeRoy Craig Jerome Center
Location:	Jerome, Idaho
Climate Zone:	5b
Project Type:	New Construction
Vertical Glazing / Wall Area:	30%

Construction Site:
311 N. Lincoln Ave
Jerome, ID 83338

Owner/Agent:
Theo Schut
College of Southern Idaho
315 Falls Ave.
Twin Falls, ID 83303
208.732.6610
tschut@csi.edu

Designer/Contractor:
Greg Bush
LKV Architects
2400 E. Riverwalk Dr.
Boise, ID 83706
208.336.3443
greg@lkvarchitec.com

Additional Efficiency Package(s)
Credits: 1.0 Required 1.0 Proposed
Reduced Air Infiltration, 1.0 credit

Building Area	Floor Area
1-School/University : Nonresidential	20731

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof 1: Insulation Entirely Above Deck, [Bldg. Use 1 - School/University]	20338	---	30.0	0.032	0.032
Exterior Wall 1: Steel-Framed, 16" o.c., [Bldg. Use 1 - School/University]	9599	0.0	16.0	0.053	0.064
Window 1: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID NA, SHGC 0.35, [Bldg. Use 1 - School/University] (c)	1786	---	---	0.290	0.380
Window 2: Metal Frame:Fixed, Perf. Specs.: Product ID NA, SHGC 0.34, [Bldg. Use 1 - School/University] (c)	1161	---	---	0.290	0.380
Door 1: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.35, [Bldg. Use 1 - School/University] (c)	1114	---	---	0.290	0.770
Door 2: Insulated Metal, Swinging, [Bldg. Use 1 - School/University]	50	---	---	0.160	0.370
Door 3: Insulated Metal, Non-Swinging, [Bldg. Use 1 - School/University]	280	---	---	0.125	0.179
Door 4: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.35, [Bldg. Use 1 - School/University] (c)	192	---	---	0.290	0.770
Exterior Wall 2: Other Metal Building Wall, [Bldg. Use 1 - School/University] (b)	4523	---	---	0.050	0.052
Floor 1: Slab-On-Grade:Unheated, Vertical 2 ft., [Bldg. Use 1 - School/University] (d)	710	---	10.0	0.540	0.540

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) 'Other' components require supporting documentation for proposed U-factors.
(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(d) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 26% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COM*check* Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Greg Bush, Project Manager — Name - Title
Signature
10/28/2024 — Date

General Notes

1. SEE SHEET A6.0 ROOF PLAN & A6.1 ROOF DETAILS FOR ROOFING ASSEMBLIES
2. SEE SHEET A8.1 FOR WALL ASSEMBLIES.
3. IECC C402.5.1.1 AIR BARRIER CONSTRUCTION. THE CONTINUOUS AIR BARRIER SHALL BE CONSTRUCTED TO COMPLY WITH THE FOLLOWING: 1. THE AIR BARRIER SHALL BE CONTINUOUS FOR ALL ASSEMBLIES THAT ARE THE THERMAL ENVELOPE OF THE BUILDING AND ACROSS THE JOINTS AND ASSEMBLIES. 2. AIR BARRIER JOINTS AND SEAMS SHALL BE SEALED, INCLUDING SEALING TRANSITIONS IN PLACES AND CHANGES IN MATERIALS. 3. AIR BARRIER PENETRATIONS SHALL BE CAULKED, GASKETED OR OTHERWISE SEALED IN A MANNER COMPATIBLE WITH THE CONSTRUCTION MATERIALS AND LOCATION. JOINTS AND SEALS ASSOCIATED WITH PENETRATIONS SHALL BE SEALED IN THE SAME MANNER OR TAPED OR COVERED WITH MOISTURE VAPOR-PERMEABLE WRAPPING MATERIAL. SEALING MATERIALS SHALL BE APPROPRIATE TO THE CONSTRUCTION MATERIALS BEING SEALED AND SHALL BE SECURELY INSTALLED AROUND THE PENETRATION AS TO NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR THE PENETRATIONS' ABILITY TO RESIST POSITIVE AND NEGATIVE PRESSURE FROM THE WIND, STACK EFFECT AND MECHANICAL VENTILATION. SEALING OF CONCEALED FIRE SPRINKLERS, WHERE REQUIRED, SHALL BE IN A MANNER THAT IS RECOMMENDED BY THE MANUFACTURER. CAULKING OR OTHER ADHESIVE SEALANTS SHALL NOT BE USED TO FILL VOIDS BETWEEN FIRE SPRINKLER COVER PLATES AND WALLS OR CEILINGS.

Envelope Analysis Reference Notes

RF1	STEEL JOISTS, 1-1/2" STEEL DECK, 5.2" POLYISOCYANURATE INSULATION BD., SINGLE-PLY MEMBRANE. (R-30)
RF2	STEEL JOISTS, 1-1/2" STEEL DECK, 5.2" POLYISOCYANURATE INSULATION BD., STANDING SEAM METAL ROOFING. (R-30)
WL1	6" STEEL STUDS, W/ 2.5" POLYISO. INSULATION BD. W/ WRB SYSTEM, BRICK VENEER. (R-16)
WL2	6" STEEL STUDS, W/ 2.5" POLYISO. INSULATION BD. W/ WRB SYSTEM, STUCCO SYSTEM. (R-16)
WL3	STEEL STUDS, W/ 2.5" RIGID INSULATED METAL PANELS SYSTEM. (R-16)
FL1	4" OR 6" CONCRETE SLAB-ON-GRADE
DR1	ALUMINUM ENTRANCE DOOR & FRAME WITH TINTED LOW E INSULATING GLASS.
DR2	INSULATED HOLLOW METAL DOOR AND FRAME.
DR3	ALUMINUM FOLDING ENTRANCE DOOR & FRAME SYSTEM WITH TINTED LOW E INSULATING GLASS.
DR3	OVERHEAD COILING DOOR
WN1	FIXED ALUMINUM WINDOW SYTEM WITH TINTED LOW E INSULATING GLASS
WN2	INSULATED TRANSLUCENT FIBERGLASS WALL PANELS.

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|

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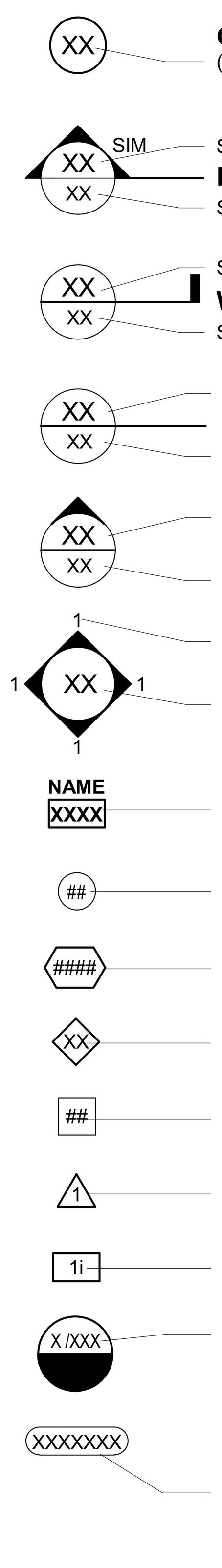
CHECKED BY: RP

BID SET

DRAWING NO.:

A1.2
ENVELOPE COMPLIANCE PLAN

Symbols



- **GRID LINE** (NUMBERS & LETTERS)
- SECTION LETTER / **BUILDING SECTION** / SHEET NUMBER (SIM)
- SECTION NUMBER / **WALL SECTION** / SHEET NUMBER
- DETAIL NUMBER / **DETAIL** / SHEET NUMBER
- ELEVATION NUMBER / **BUILDING ELEVATION** / SHEET NUMBER
- ELEVATION NUMBER/LETTER / **INTERIOR ELEVATION** / SHEET NUMBER
- **GRID LINE** AREA LETTER / ROOM NUMBER (NAME XXXX)
- **REFERENCE NOTE** (NUMBER)
- **DOOR (NUMBER)** (SEE DOOR SCHEDULE)
- **WINDOW (LETTER)** (SEE WINDOW SCHEDULE)
- **ACCESSORY** (NUMBER)
- **REVISION** (NUMBER)
- **PARTITION TYPE** (LETTER/NUMBER)
- (LETTER/NUMBER) **MATCHLINE**
- **SPECIFICATION KEYED NOTE** SPEC. SECTION ITEM DESIGNATION

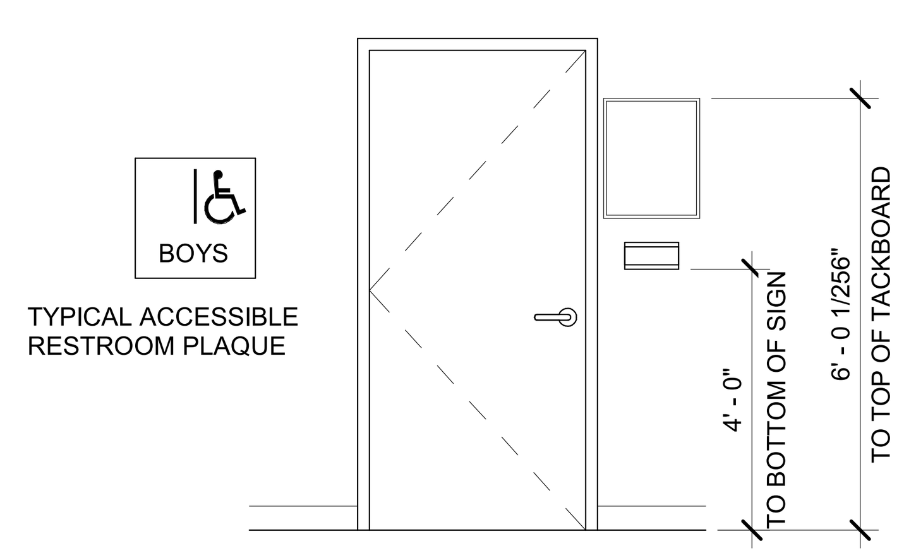
Abbreviations

AB	ANCHOR BOLT
L	ANGLE
B.O.	BOTTOM OF
BRG.	BEARING
B.M.	BENCH MARK
BLDG.	BUILDING
CLG.	CEILING
℄	CENTERLINE
C.O.	CLEAN OUT
COL.	COLUMN
CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
CONT.	CONTINUOUS
CSCI	CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED
D.F.	DRINKING FOUNTATION
DIM.	DIMENSION
EA.	EACH
ELECT.	ELECTRICAL
ELEV.	ELEVATION
EQ.	EQUAL
EXIST.	EXISTING
EXT.	EXTERIOR
FIN.	FINISH
F.E.C.	FIRE EXTINGUISHER CABINET
FLR.	FLOOR
F.R.T.	FIRE RETARDENT TREATED
FTG.	FOOTING
FDN.	FOUNDATION
GALV.	GALVANIZED
GA.	GAUGE
GL.	GLASS
G.B.	GYPSUM BOARD
GRD.	GRADE
HT.	HEIGHT
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
I.D.	INSIDE DIAMETER
INT.	INTERIOR
J.B.	JOIST BEARING
MAX.	MAXIMUM
MTL.	METAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPP.	OPPOSITE
OSCI	OWNER SUPPLIED, CONTRACTOR INSTALLED
O.D.	OUTSIDE DIAMETER
d	PENNY
P.A.F.	POWDER ACTUATED FASTENER
PLWD.	PLYWOOD
P.T.	PRESSURE TREATED
R.	RADIUS
REF.	REFERENCE
REV.	REVISION
R.D.	ROOF DRAIN
SIM.	SIMILAR
S.C.	SOLID CORE
SPEC.	SPECIFICATION
SQR.	SQUARE
STD.	STANDARD
STOR.	STORAGE
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
T.O.	TOP OF
T & B	TOP AND BOTTOM
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
V.C.T.	VINYL COMPOSITION TILE
W.C.	WATER CLOSET
WWM.	WELDED WIRE MESH
W/	WITH
W/O	WITHOUT

Master Keyed Note List

061000.A3	PLYWD. SHEATHING, (TYPE AND THICKNESS INDICATED)
061000.A9	2X6 P.T. CONTINUOUS NAILER
061000.A14	2X4 WOOD NAILER
061000.C1	FRAMING HARDWARE
061000.D2	FASTENER, TAPCON @ MAX. 24" O.C.
061600.A3	FLOOR SHEATHING, 23/32" O.S.B. (T&G)
064116.A1	3/4" MELAMINE COATED PARTICLE BOARD
064116.B1	3/4" PLYWOOD, EXTERIOR GRADE
064116.D1	H.P. DECORATIVE LAMINATE - EXPOSED EXTERIOR SURFACES
064116.D2	H.P. DECORATIVE LAMINATE - TOPS, EDGES, AND BACKSPLASH
066400.A1	FIBERGLASS REINFORCED PANELS
066510.A1	SOLID SURFACE COUNTERTOP
072100.A1	FOUNDATION / WALL INSULATION - EXTRUDED POLYSTYRENE, 2" U.N.O.
072100.A2	RIGID WALL INSULATION - 2 1/2" EXTRUDED POLYSTYRENE, U.N.O.
072100.B1	BATT INSULATION, GLASS FIBER, UNFACED FULL WIDTH OF CAVITY
072100.B2	ACOUSTIC GLASS-FIBER BATTS, UNFACED FULL WIDTH OF CAVITY
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
072165.B1	LIQUID FLASHING
072165.B2	SA FLASHING TAPE
072165.C1	FASTENER
072700.A1	BUILDING WRAP
074113	METAL ROOF PANEL ASSEMBLY: - 24 GA. STANDING SEAM METAL ROOF PANELS - (2) LAYERS 3" POLYISO INSUL. BD. IN 6" 'Z' FURRING. - VAPOR RETARDER - METAL DECK
074113.A1	METAL ROOF PANEL(S) - STANDING SEAM
074113.B1	METAL ROOFING EDGE CLEAT
074113.B2	METAL ROOFING RAKE TRIM & CONT. CLEAT
074113.B3	METAL ROOFING HIGH EAVE TRIM & CONT. CLEAT. NOTE: ATTACH CLEAT AT 9" O.C. W/ MFR. APPROVED FASTENERS
074113.B4	METAL ROOFING 18 GA. CONTINUOUS PANEL END SUPPORT.
074113.B5	METAL ROOFING RECEIVER TRIM
074113.B6	METAL ROOFING RAKE WALL TRIM
074113.B7	METAL ROOFING 'Z' CLOSURE
074113.B8	METAL ROOFING PRE-FINISHED PITCH BREAK. 6"
074113.B9	METAL ROOFING EAVE FLASHING
074113.B10	METAL ROOFING LARGE GUTTER.
074113.D1	UNDERLAYMENT SHEETING
074113.D4	BUTYL TAPE
074113.F1	DRIVE-PINS @ 16" O.C. MAX.
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
074213.B1	METAL WALL PANEL TRIM
074213.C2	STAINLESS STEEL HIDDEN FASTENER CLIP
074213.G4	ATTACHMENT CLIP, 16 GA. CONT
074213.H1	BUTYL SEALANT
074213.H2	FLEXIBLE POLYETHYLENE FOAM GASKET STRIP
074243.D1	FIBER CEMENT SIDING SEALANT BACKER - 10MM SPACER
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
074293.B1	METAL SOFFIT PANEL TRIM, PRE-FINISHED
074616.A1	ALUMINUM SOFFIT PANEL(S). NON-VENTILATING
075423.A1	SINGLE-PLY ROOFING MEMBRANE - MECH. FASTENED TPO
075423.A2	SINGLE-PLY ROOFING MEMBRANE -FULLY ADHERED
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.B2	SA FLEXIBLE FLASHING
075423.D1	RIGID ROOF INSULATION - POLYISOCYANURATE, (2) LAYERS, 2.6". R-30 MIN.
075423.D2	TAPERED ROOF INSULATION
075423.D3	RIGID ROOF INSULATION - POLYISOCYANURATE, (1) LAYER, 2.6"
075423.E1	VAPOR RETARDER
075423.F1	DENS DECK, 1/2"
075423.F2	DENS DECK PRIME, 1/2"
075423.J2	TYPICAL PERIMETER FASTENERS
075423.K1	TERMINATION BAR W/ SEALANT
076200.A1	FLASHING & SHEET METAL
076200.B1	CONTINUOUS CLEAT, 20 GA. GAVL.
076200.B3	GALV. METAL COUNTERFLASHING WITH HEMMED DRIP, 18 GA. , W/ HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ 9" O.C.
076200.B4	GALV. METAL BASE FLASHING, 18 GA.
076200.B5	GALV. METAL ANGLE TRIM, 18 GA.
076200.B6	GALV. METAL BASE FLASHING, 18 GA. WITH HEMMED DRIP
076200.C1	PRE-FINISHED METAL COPING, 24 GA.
076200.C2	PRE-FINISHED METAL FLASHING, 24 GA.
076200.C4	PRE-FINISHED METAL FASCIA, 24 GA.
076200.C5	CONT. PRE-FINISHED METAL CLEAT, 24 GA. FASTEN WITH COLOR MATCHING HEX HEAD FASTENERS W/ NEOPRENE WASHERS @12" O.C.
076200.C6	PRE-FINISHED METAL BASE FLASHING W/ HEMMED DRIP. 24 GA.
076200.C7	PRE-FINISHED COUNTERFLASHING W/ HEMMED DRIP. 24 GA. SAWCUT INTO BRICK.
076200.C8	PRE-FINISHED METAL COUNTERFLASHING W/ HEMMED DRIP. 24 GA. FASTEN WITH COLOR MATCHING HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ MAX. 16" O.C.
076200.C9	22 GA. PRE-FINISHED METAL JAMB CLADDING.
076200.D1	PRE-FINISHED METAL BOX GUTTER, 24 GA. 4X6
076200.D2	PRE-FINISHED DOWNSPOUT, 24 GA.
076200.H1	1" DRIVE-LOCK JOINT COVER WITH SEALANT EACH SIDE.
077200.A1	PRE-FABRICATED ROOF HATCH AND CURB WITH SAFETY RAILING SYSTEM
079200.A1	ONE PART SILICON SEALANT
079200.B1	ONE PART URETHANE SEALANT
079200.C1	LATEX JOINT SEALANT
079200.E1	FOAM BACKER ROD
081113.B1	HOLLOW METAL DOOR FRAME
081113.B2	HOLLOW METAL DOOR / GLAZING FRAME
081113.C1	HOLLOW METAL GLAZING FRAME
081113.C2	GLAZING STOP
081113.E2	FRAME ANCHOR(S) FOR STEEL STUD WALLS
083323.A1	OVERHEAD COILING DOOR
083323.A2	OVERHEAD COILING DOOR TRACK
083323.A4	OVERHEAD COILING DOOR HOUSING
083513.B1	ALUMINUM FRAMED FOLDING GLASS STOREFRONT SYSTEM
083513.C1	FASTENER SYSTEM PER MFR.
084113	ALUMINUM FRAMED ENTRANCES AND STOREFRONTS
084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
084113.B1	ALUMINUM ENTRANCE DOOR
084113.C1	SHIM
084113.D1	ALUMINUM STOREFRONT SILL FLASHING
084113.F1	ALUMINUM SUNSHADE
084113.H1	GALVANIZED ANGLE PERIMETER INTERIOR FLASHING
084113.I1	MISCELLANEOUS BREAK-SHAPE ALUMINUM (STOREFRONTS)
084333	ALUMINUM FRAMED FOLDING GLASS STOREFRONT SYSTEM
084513.A1	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 4.25" SYSTEM
084513.A2	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 3" SYSTEM
084513.B1	SHIM
085619.A1	PASS-THRU WINDOW UNIT
085619.B1	SHIM REQUIRED
087100.B1	ALUMINUM THRESHOLD
092216.A1	STEEL STUD(S) 3 5/8" 20 GA. @ 16" O.C. U.N.O.
092216.A4	STEEL STUD(S) 6" 20 GA. @ 16" O.C. U.N.O.
092216.A7	STEEL STUD(S) 1 5/8" 18 GA. @ 24" O.C.
092216.A8	STEEL STUD TRACK , 1 5/8" 20 GA., CONTINUOUS
092216.B6	STEEL CEE JOIST(S) 6" 18 GA. @ 16" O.C. U.N.O.
092216.K3	HAT-SHAPED FURRING CHANNEL
092216.M1	SUSPENDED GYPSUM BOARD CEILING FRAMING
092400.A1	EXTERIOR PORTLAND CEMENT STUCCO SYSTEM, 7/8"
092400.A2	EXTERIOR PORTLAND CEMENT PLASTER SYSTEM, 7/8"
092400.D2	GALVANIZED STEEL CASING BEAD
092403.A1	7/8" STUCCO SYSTEM.
092403.A2	STUCCO DRIP SCREED
092403.A3	STUCCO J MOLDING
092403.A4	STUCCO CORNERBEAD
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.
092900.B1	EXTERIOR GYPSUM SHEATHING, 1/2"
092900.C1	CONTROL JOINT
092900.D1	METAL CORNER BEAD
092900.D2	METAL TRIM, LC
092900.D3	METAL TRIM, L BEAD
093013.F2	CEMENTITIOUS BACKER UNITS, 1/2"
095113	ACOUSTICAL PANEL CEILINGS
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS
095113.B1	SUSPENSION SYSTEM, INTERMEDIATE DUTY
095113.C1	WALL ANGLE TRIM
096513.A1	4" RUBBER COVE BASE
096513.D1	
096723.A1	RESINOUS FLOORING SYSTEM
096723.A2	RESINOUS COVED BASE SYSTEM
097723.A1	FABRIC WRAPPED ACOUSTICAL PANEL(S)
098413.A1	FIXED SOUND ABSORBING TECTUM WALL PANELS
101419.A1	CAST ALUMINUM LETTERS
101473.A1	"CSI" LOGO, PAINTED SIGNAGE PANEL
102113.A1	TOILET COMPARTMENT PARTITION(S)
102113.B1	URINAL SCREEN
102226.A1	OPERABLE PARTITION SYSTEM
102226.A2	OPERABLE PARTITION TRACK SYSTEM
102226.A3	OPERABLE PARTITION POCKET DOORS
102600.A1	CORNER GUARD, 90°, 7'-0"
102800.A1	GRAB BAR, 36" LONG
102800.A2	GRAB BAR, 42" LONG
102800.A3	GRAB BAR, 18"X33"
102800.A4	GRAB BAR, 18" LONG
102800.B1	MIRROR, 18" WIDE X 36" HIGH, FRAMED
102800.B2	MIRROR, WIDTH PER PLAN X 36" HIGH, UNFRAMED
102800.K1	MOP HOOK.
104413.A1	FIRE EXTINGUISHER CABINET, SEMI-RECESSED
105113.C2	METAL DRESSING LOCKERS, DOUBLE TIER. 15" WIDE X 12" DEEP.
105113.C3	METAL DRESSING LOCKERS, DOUBLE TIER. 12" WIDE X 18" DEEP.
115313.A1	FUME HOOD
123553.A1	EPOXY RESIN LABORATORY COUNTERTOP AND 4" BACKSPLASH
220100.B1	DUAL-HEIGHT WATER COOLER
220100.C2	DUAL-HEIGHT DRINKING FOUNTAIN
220100.C3	WATER BOTTLE FILLING STATION
220100.E1	ROOF DRAIN
220100.E4	RECEIVER
220100.G1	HOSE BIB
220100.H2	OVERHEAD EYEWASH SHOWER
220100.K1	LAVATORY
220100.L1	SINK
220100.M1	MOP SINK
220100.N1	WATER CLOSET
220100.O1	URINAL
230100.A1	MECHANICAL ROOFTOP EQUIPMENT
230100.A2	UNIT MFR'S. INSULATED FACTORY CURB W/ NAILERS
230100.E1	NEOPRENE GASKET, CONTINUOUS
312300.B1	DRAINAGE FILL COURSE
321313.A1	4" CONCRETE SIDEWALK. SEE CIVIL
321313.A2	6" REINFORCED CONCRETE SLAB-ON-GRADE. SEE CIVIL
323113	CHAIN LINK FENCES AND GATES
323113.D2	DOUBLE SLIDING CHAIN LINK GATE SYSTEM.
323119.A1	ARCHITECTURAL METAL PRIVACY FENCE SYSTEM.

Interior Signage



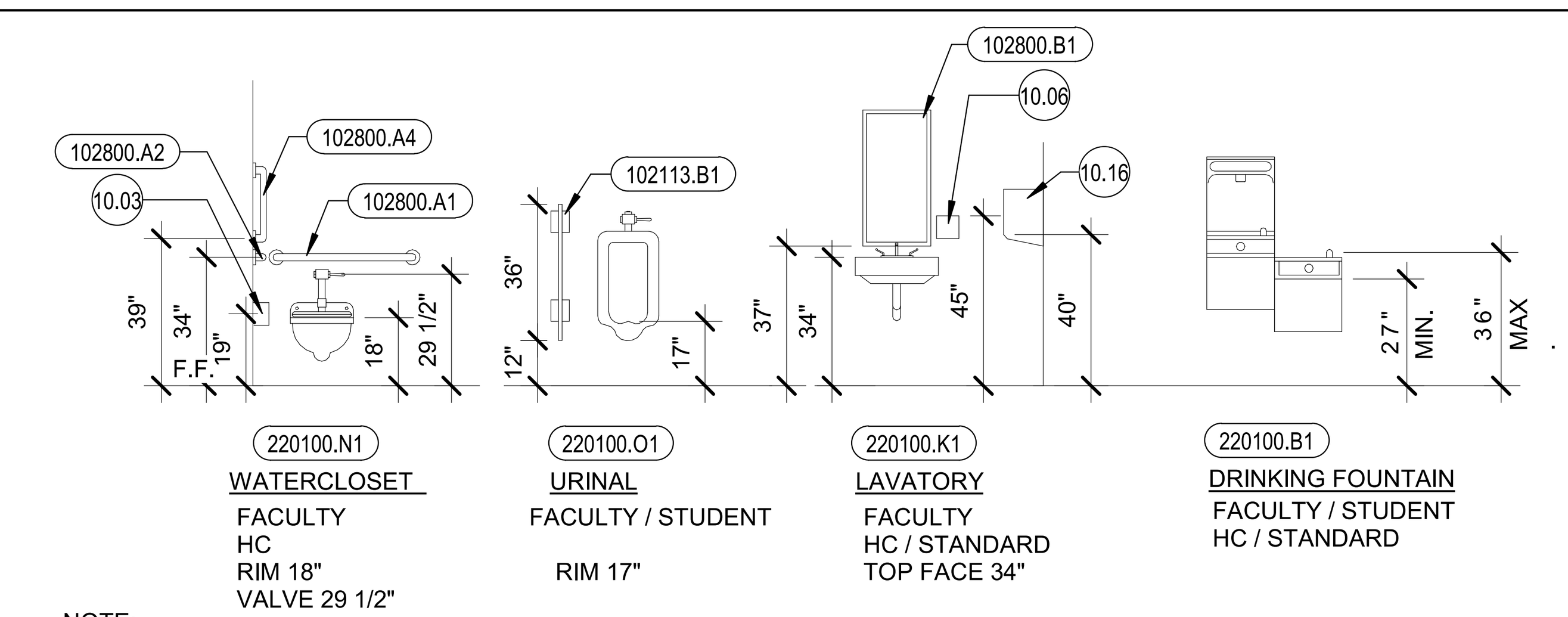
TYPICAL ACCESSIBLE RESTROOM PLAQUE

SIGNAGE TO BE ADA COMPLIANT W/ MINIMUM 3/4" HIGH RAISED CONTRASTING - COLOR LETTERS, LETTER STROKE WIDTH 1/15 LETTER HEIGHT, WITH RAISED BRAILLE BELOW LETTERING. ADA COMPLIANT PICTOGRAMS AND INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE USED AT RESTROOMS. SEE SPECIFICATIONS.

Mounting Heights

MIRRORS	+ 40" MAX. A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
GRAB BARS	+ 34 1/2" A.F.F. TO CENTER
TOILET PAPER DISPENSER	+ 15" A.F.F. MIN. TO BOTTOM
PAPER TOWEL DISPENSER	+ 48" A.F.F. MAX. TO DISPENSER OPENING
SOAP DISPENSER	+ 45" A.F.F. TO TOP OF DISPENSER
MARKER BOARDS	+ 6'-8" A.F.F. TO TOP
TACK BOARDS	+ 6'-8" A.F.F. TO TOP
INTERIOR SIGNS	+5'-0" A.F.F. TO TOP, 3" FROM DOOR FRAME, LATCH SIDE OF DOOR
FIRE EXTINGUISHER CABINETS	+4'-4" A.F.F. TO TOP
MOP SHELF / HOLDER	+6'-0" A.F.F. TO TOP

Mounting Heights



NOTE:

1. IF PAPER TOWEL DISPENSER IS ABOVE GRAB BAR, 12" MIN. MUST BE MAINTAINED BETWEEN THE TOP OF GRAB BAR AND THE BOTTOM OF THE PAPER TOWEL DISPENSER.
2. COORDINATE VALVE HEIGHTS WITH PLUMBING AND GRAB BARS.
3. FOR ACTUAL RESTROOM LAYOUT AND CONFIGURATIONS, SEE INDIVIDUAL RESTROOM ELEVATIONS.
4. SEE RESTROOM ELEVATIONS FOR OWNER FURNISHED ITEMS.
5. 4'-0" MAX. MOUNTING HEIGHT FOR PAPER PRODUCT DISPENSERS AND HAND DRYERS IS TO HIGHEST POINT OF REQUIRED REACH FROM FINISHED FLOOR LEVEL.

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Revisions

#	Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219

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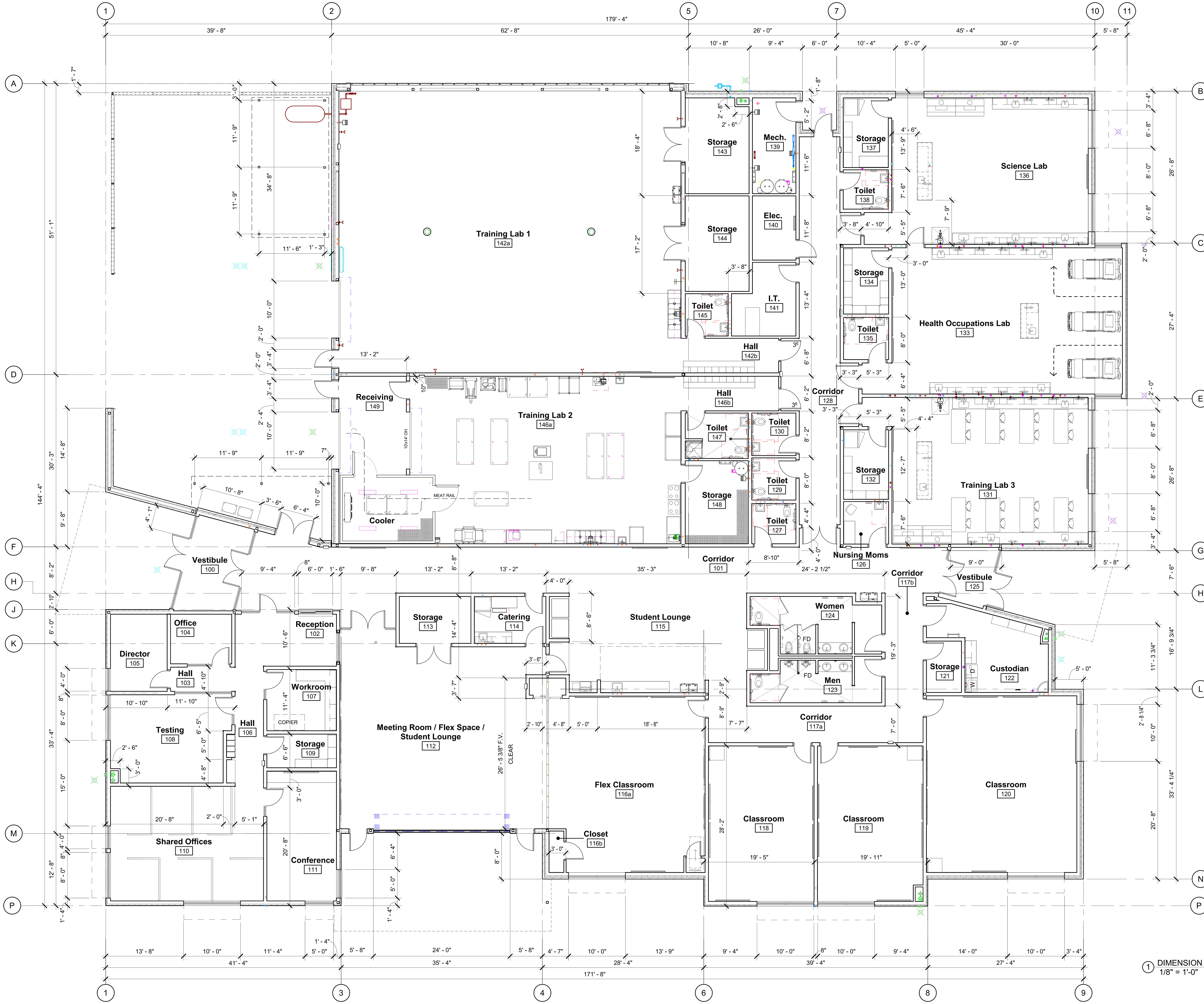
CHECKED BY: RP

BID SET

DRAWING NO.:
A1.3
KEYED NOTES



1 DIMENSION FLOOR PLAN
1/8" = 1'-0"

General Notes

1. EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE FOUNDATION WALL UNLESS NOTED OTHERWISE.
2. INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
3. SEE SHEET A1.1 FOR CODE COMPLIANCE SUMMARY AND FLOOR PLANS.
4. SEE SHEET A4.1 FOR ROOM FINISH SCHEDULE.
5. SEE SHEET A4.2 FOR DOOR SCHEDULE AND A4.3 FOR DOOR AND WINDOW FRAME TYPES.
6. FURNISH AND INSTALL INTERIOR SIGNS AT ALL INTERIOR DOORS AND AT OTHER LOCATIONS UP TO SPECIFIED LIMITS. SEE SHEET A1.2 FOR SPECIFICATIONS.
7. FURNISH AND INSTALL WINDOW BLINDS. SEE SHEET A4.2 FOR SPECIFICATIONS.
8. SEE SHEET A1.2 FOR SPECIAL ITEM MOUNTING HEIGHTS AND INTERIOR SIGNAGE MOUNTING HEIGHTS.
9. PROVIDE SOLID BLOCKING IN STUD WALLS FOR SECURE MOUNTING OF ALL WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO SHELVES, MILLWORK, MIRRORS, GRAB BARS, DISPENSERS, MARKER & TACK BOARDS, TELEVISIONS, DOOR STOPS. COORDINATE WITH OWNER FOR BLOCKING REQUIRED FOR OWNER FURNISHED OR INSTALLED ITEMS.
10. ALL FRAMES TO HAVE 4" STUD FRAME RETURN AT ALL DOORS AND WINDOW JAMBS UNLESS NOTED OTHERWISE.
11. SEE SPECIFICATIONS FOR CONTROL JOINTS AT GYPSUM WALL BOARD AND CEILINGS UNLESS NOTED OTHERWISE ON DRAWINGS.
12. PLUMBING FIXTURES ARE GRAPHICALLY SHOWN. REFER TO PLUMBING DOCUMENTS FOR ACTUAL PLUMBING FIXTURE.

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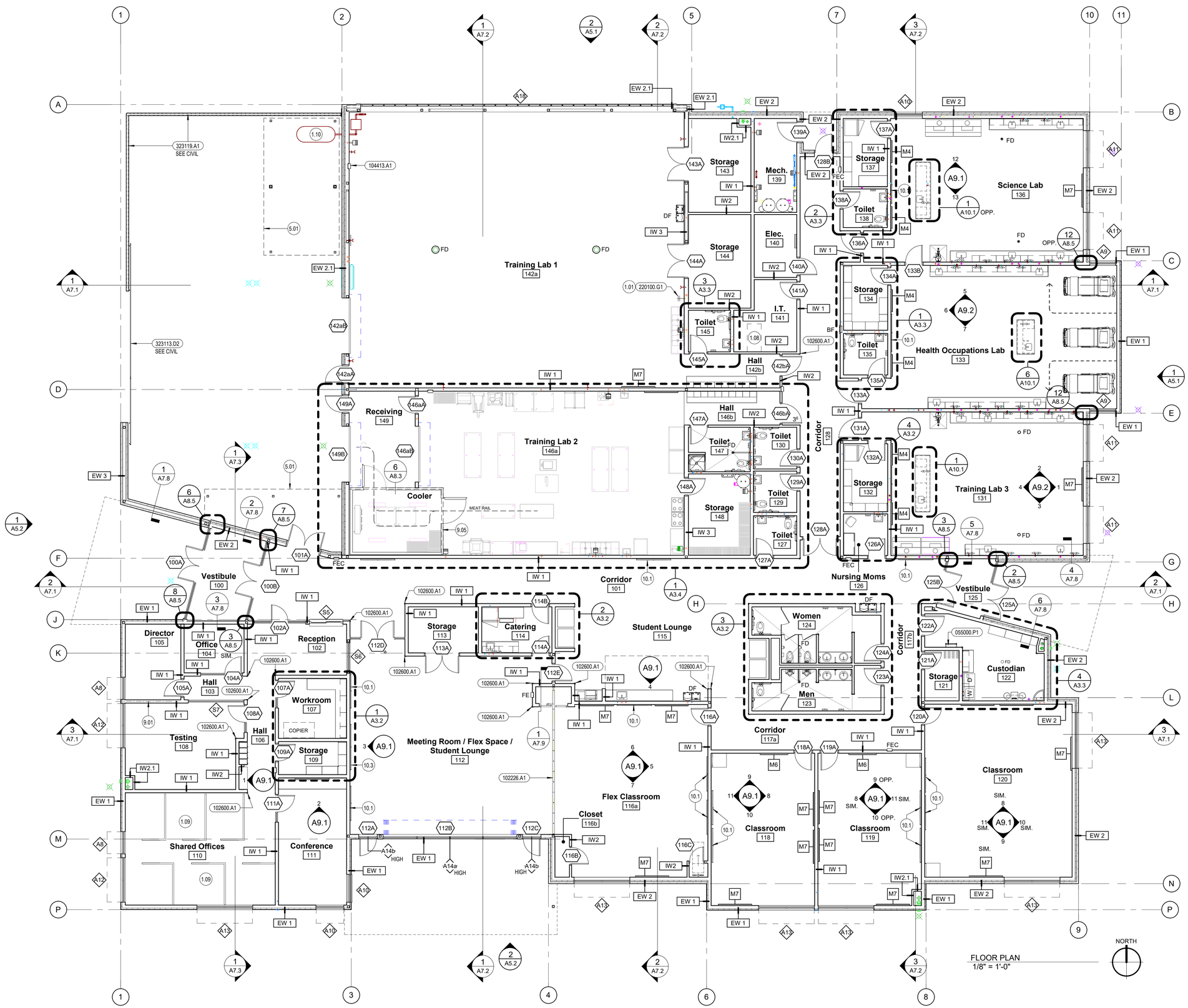
CHECKED BY: RP

BID SET

DRAWING NO.:
A3.1a
DIMENSION FLOOR PLAN



General Notes

1. EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE FOUNDATION WALL UNLESS NOTED OTHERWISE.
2. INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
3. SEE SHEET A1.1 FOR CODE COMPLIANCE SUMMARY AND FLOOR PLANS.
4. SEE SHEET A4.1 FOR ROOM FINISH SCHEDULE.
5. SEE SHEET A4.2 FOR DOOR SCHEDULE AND A4.3 FOR DOOR AND WINDOW FRAME TYPES.
6. FURNISH AND INSTALL INTERIOR SIGNS AT ALL INTERIOR DOORS AND AT OTHER LOCATIONS UP TO SPECIFIED LIMITS. SEE SHEET A1.2 FOR SPECIFICATIONS.
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8. SEE SHEET A1.2 FOR SPECIAL ITEM MOUNTING HEIGHTS AND INTERIOR SIGNAGE MOUNTING HEIGHTS.
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10. ALL FRAMES TO HAVE 4" STUD FRAME RETURN AT ALL DOORS AND WINDOW JAMBS UNLESS NOTED OTHERWISE.
11. SEE SPECIFICATIONS FOR CONTROL JOINTS AT GYPSUM WALL BOARD AND CEILINGS UNLESS NOTED OTHERWISE ON DRAWINGS.
12. PLUMBING FIXTURES ARE GRAPHICALLY SHOWN. REFER TO PLUMBING DOCUMENTS FOR ACTUAL PLUMBING FIXTURE.

Reference Notes

1.01	SEE PLUMBING DRAWINGS
1.08	IT DESK STATION, FURNITURE BY OWNER
1.09	OFFICE PARTITIONS BY OWNER
1.10	AIR COMPRESSOR BY OWNER
5.01	FABRICATED STEEL CANOPY W/ STANDING SEAM METAL ROOFING
9.01	NOTE: CENTER WALL BETWEEN EXTERIOR WINDOWS
9.05	CLOSURE WALL OVER COOLER.
10.1	72" T.V., OWNER FURNISHED, CONTRACTOR INSTALLED
10.3	MARKER BOARD, FURINSHED BY OWNER,CONTRACTOR INSTALLED

Keyed Notes

055000.P1	STEEL ROOF LADDER
102226.A1	OPERABLE PARTITION SYSTEM
102600.A1	CORNER GUARD, 90°, 7'-0"
104413.A1	FIRE EXTINGUISHER CABINET, SEMI-RECESSED
220100.G1	HOSE BIB
323113.D2	DOUBLE SLIDING CHAIN LINK GATE SYSTEM.
323119.A1	ARCHITECTURAL METAL PRIVACY FENCE SYSTEM.

Legend

DF	DRINKING FOUNTAIN
BF	BOTTLE FILLER
FEC	FIRE EXTINGUISHER CABINET & EXTINGUISHER
1i	SEE SHEET A-,-- FOR WALL TYPES.
	DOOR TAGS, SEE DOOR AND WINDOWS SCHEDULES
	WINDOW TAGS, SEE DOOR AND WINDOWS SCHEDULES
FD	FLOOR DRAIN. SLOPE TO DRAIN 1/4" PER FOOT. COORDINATE WITH PLUMBING DRAWINGS
	EQUIPMENT TAGS

Marker/Tackboard Legend

MB = MARKERBOARD
TB = TACKBOARD
TS = TACK STRIP

SYMBOL	WIDTH	HEIGHT	MOUNTING HEIGHT A.F.F. TO TOP U.N.O.
M4	4' - 0"	4' - 0"	7' - 0"
M6	5' - 0"	4' - 0"	7' - 0"
M7	6' - 0"	4' - 0"	7' - 0"

1. SEE SPECIFICATION 101100 FOR MARKER BOARDS

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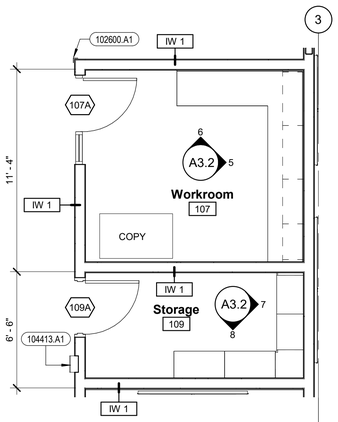
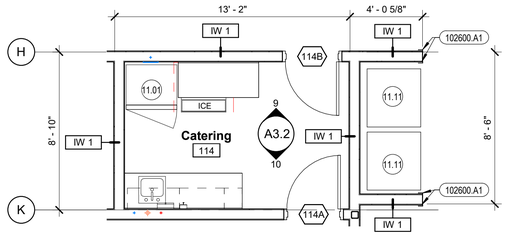
DRAWING NO.:

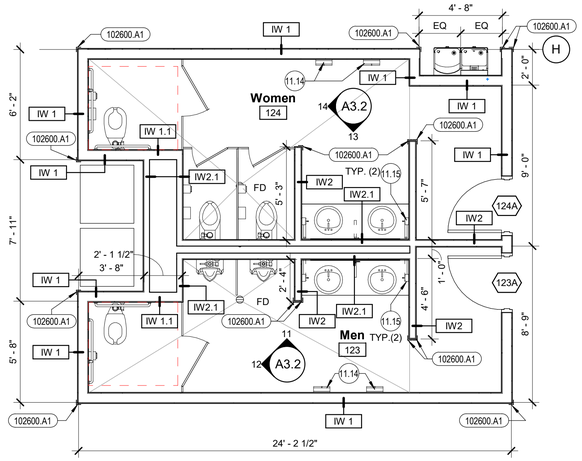
A3.1b
FLOOR PLAN



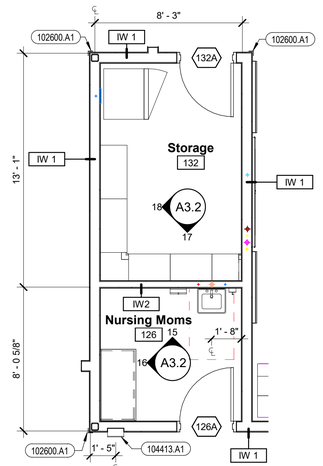
1 107 AND 109 - ENLARGED PLAN
1/4" = 1'-0"



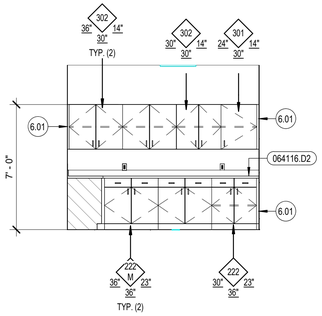
2 114 - ENLARGED PLAN
1/4" = 1'-0"



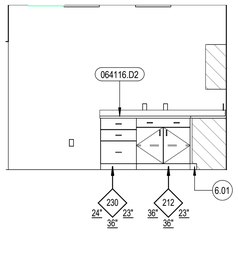
3 123 AND 124 - RESTROOMS ENLARGED PLAN
1/4" = 1'-0"



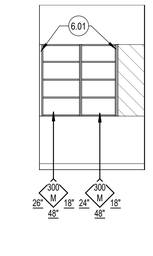
4 132 - ENLARGED PLAN
1/4" = 1'-0"



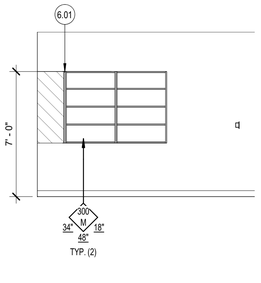
5 107 - EAST
1/4" = 1'-0"



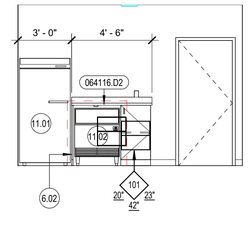
6 107 - NORTH
1/4" = 1'-0"



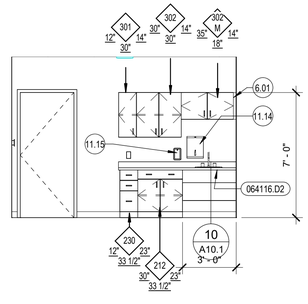
7 109 - EAST
1/4" = 1'-0"



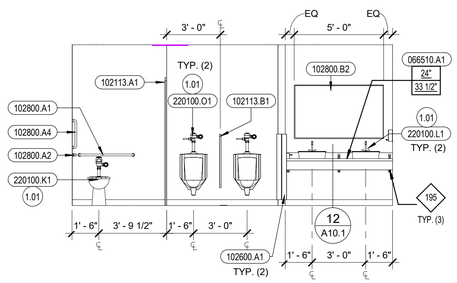
8 109 - SOUTH
1/4" = 1'-0"



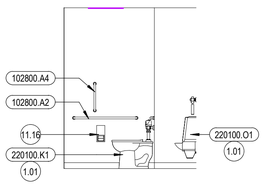
9 114 - NORTH
1/4" = 1'-0"



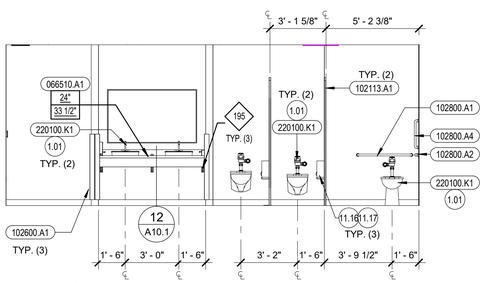
10 114 - SOUTH
1/4" = 1'-0"



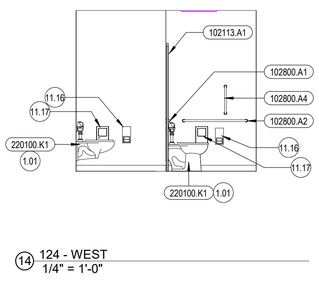
11 123 - NORTH
1/4" = 1'-0"



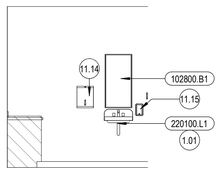
12 123 - WEST
1/4" = 1'-0"



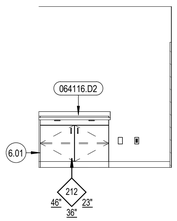
13 124 - SOUTH
1/4" = 1'-0"



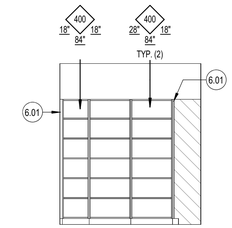
14 124 - WEST
1/4" = 1'-0"



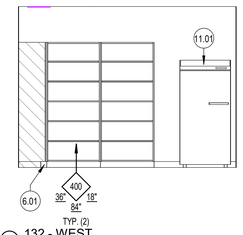
15 126 - NORTH
1/4" = 1'-0"



16 126 - WEST
1/4" = 1'-0"



17 132 - SOUTH
1/4" = 1'-0"



18 132 - WEST
1/4" = 1'-0"

General Notes

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2. INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
3. SEE SHEET A1.1 FOR CODE COMPLIANCE SUMMARY AND FLOOR PLANS.
4. SEE SHEET A4.1 FOR ROOM FINISH SCHEDULE.
5. SEE SHEET A4.2 FOR DOOR SCHEDULE AND A4.3 FOR DOOR AND WINDOW FRAME TYPES.
6. FURNISH AND INSTALL INTERIOR SIGNS AT ALL INTERIOR DOORS AND AT OTHER LOCATIONS UP TO SPECIFIED LIMITS. SEE SHEET A1.2 FOR SPECIFICATIONS.
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12. PLUMBING FIXTURES ARE GRAPHICALLY SHOWN. REFER TO PLUMBING DOCUMENTS FOR ACTUAL PLUMBING FIXTURE.

Reference Notes

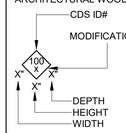
1.01	SEE PLUMBING DRAWINGS
6.01	FILLER PANEL, 1" TYP. UNLESS NOTED OTHERWISE
6.02	FULLY FINISHED SIDE / END / LEG PANELS. TYPICAL AT UPPERS AND BASE CABINETS
11.01	REFRIGERATOR, OWNER FURNISHED, CONTRACTOR INSTALLED
11.02	ICE MAKER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.11	VENDING MACHINE, OWNER FURNISHED, CONTRACTOR INSTALLED
11.14	HAND TOWEL DISPENDER. OWNER FURNISHED, CONTRACTOR INSTALLED
11.15	WALL MOUNTED SOAP DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.16	TOILET PAPER DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.17	SANITARY NAPKIN DISPOSAL, OWNER FURNISHED, CONTRACTOR INSTALLED

Keyed Notes

064116.D2	H.P. DECORATIVE LAMINATE - TOPS, EDGES, AND BACKSPLASH
066510.A1	SOLID SURFACE COUNTERTOP
102113.A1	TOILET COMPARTMENT PARTITION(S)
102113.B1	URINAL SCREEN
102600.A1	CORNER GUARD, 90°, 7'-0"
102800.A1	GRAB BAR, 36" LONG
102800.A2	GRAB BAR, 42" LONG
102800.A4	GRAB BAR, 18" LONG
102800.B1	MIRROR, 18" WIDE X 36" HIGH, FRAMED
102800.B2	MIRROR, WIDTH PER PLAN X 36" HIGH, UNFRAMED
104413.A1	FIRE EXTINGUISHER CABINET, SEMI-RECESSED
220100.K1	LAVATORY
220100.L1	SINK
220100.O1	URINAL

Casework Key

(PER THE WOODWORK INSTITUTE'S ARCHITECTURAL WOODWORK STANDARDS)



M= MODIFIED VERSION OF AWI CABINET MODEL REPRESENTED BY THE PRECEDING NUMBER.
L= LOCKABLE (064116.I1)
M/L= MODIFICATION / LOCKABLE (064116.I1)

MODEL NUMBER	INDICATES MODEL NUMBER OF AWI CABINET
MODIFICATION	A DESCRIPTION OF THE MODIFICATION MADE INDICATED BY THE (M) FOLLOWING THE MODEL NUMBER. SEE ADDITIONAL TEXT AND/OR REFERENCE NOTE.
WIDTH	INDICATES WIDTH OF CABINET, DIMENSIONED FROM OUTSIDE FACE TO OUTSIDE FACE.
DEPTH	INDICATES DEPTH OF CABINET, DIMENSIONED FROM FRONT FACE OF CABINET TO REAR FACE OF CABINET EXCLUDING CABINET DOOR WHEN APPLIES.
HEIGHT	INDICATES HEIGHT OF CABINET, DIMENSIONED FROM FACE OF FINISHED FLOOR TO TOP OF COUNTERTOP.

COUNTER TOP TAG

Marker/Tackboard Legend

MB = MARKERBOARD
TB = TACKBOARD
TS = TACK STRIP

SYMBOL	WIDTH	HEIGHT	MOUNTING HEIGHT A.F.F. TO TOP U.N.O.
M4	4' - 0"	4' - 0"	7' - 0"
M6	5' - 0"	4' - 0"	7' - 0"
M7	6' - 0"	4' - 0"	7' - 0"

1. SEE SPECIFICATION 101100 FOR MARKER BOARDS

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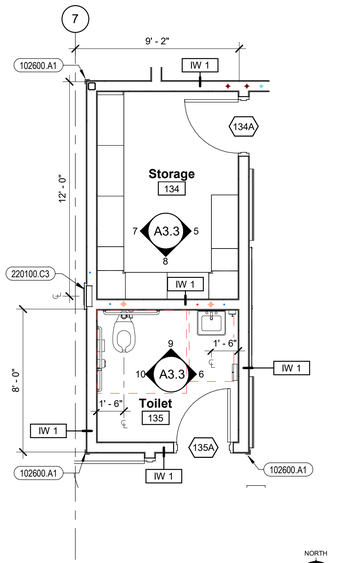
CHECKED BY: RP

BID SET

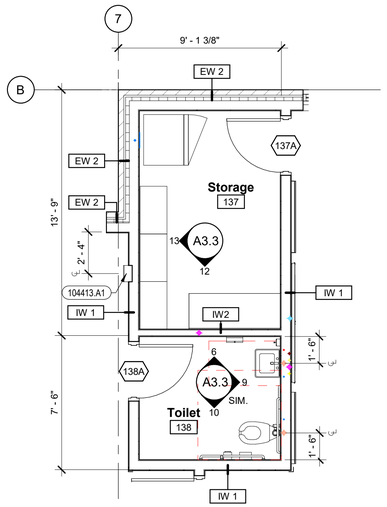
DRAWING NO.:

A3.2

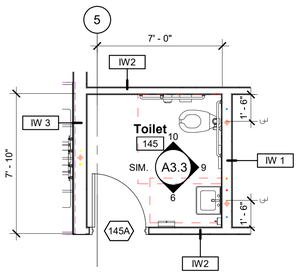
ENLARGED FLOOR PLANS



1 134 AND 135 - ENLARGED PLAN
1/4" = 1'-0"



2 137 AND 138 - ENLARGED PLAN
1/4" = 1'-0"



3 145 - ENLARGED PLAN
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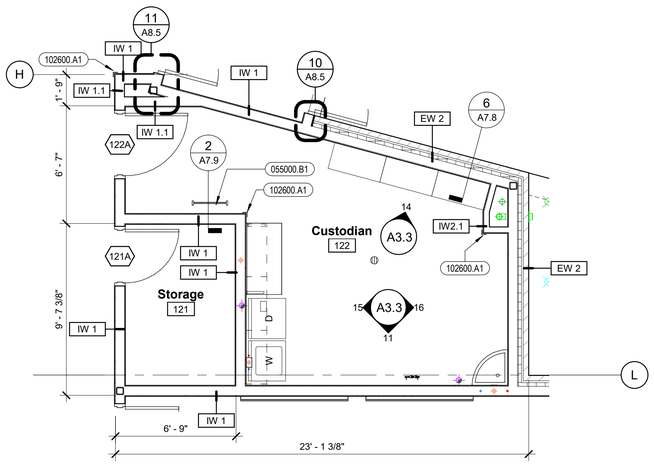
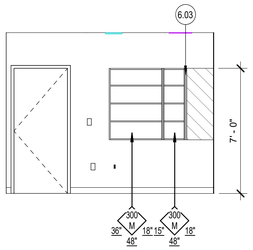
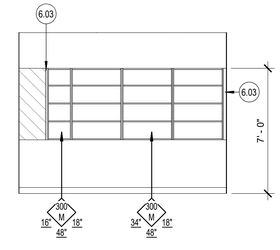


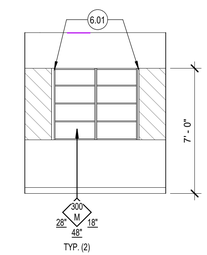
4 122 - CUSTODIAN - ENLARGED PLAN
1/4" = 1'-0"



5 134 - EAST
1/4" = 1'-0"

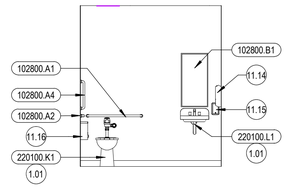


7 134 - WEST
1/4" = 1'-0"

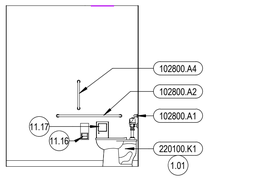


TYP. (2)

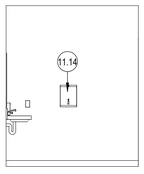
8 134- SOUTH
1/4" = 1'-0"



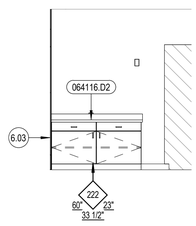
9 TYP. TOILET - FRONT INT. ELEVATION
1/4" = 1'-0"



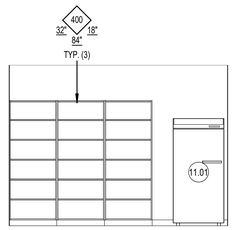
10 TYP. TOILET - SIDE INT. ELEVATION
1/4" = 1'-0"



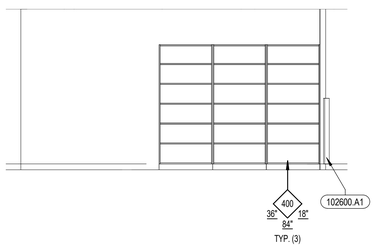
6 TYP. TOILET - SIDE INT. ELEVATION 2
1/4" = 1'-0"



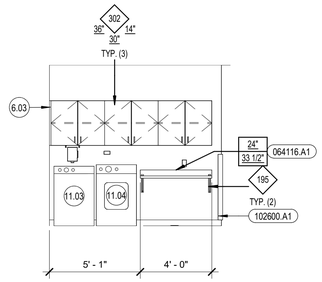
12 137 - SOUTH
1/4" = 1'-0"



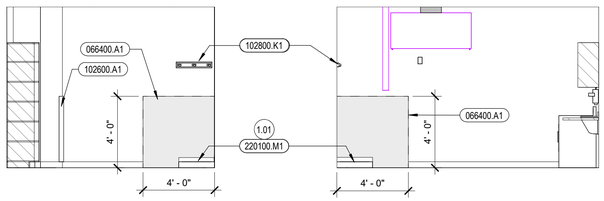
13 137 - WEST
1/4" = 1'-0"



14 122 - NORTH EAST
1/4" = 1'-0"



15 122 - WEST
1/4" = 1'-0"



16 122 - EAST
1/4" = 1'-0"

11 122 - SOUTH
1/4" = 1'-0"

General Notes

1. EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE FOUNDATION WALL UNLESS NOTED OTHERWISE.
2. INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
3. SEE SHEET A1.1 FOR CODE COMPLIANCE SUMMARY AND FLOOR PLANS.
4. SEE SHEET A4.1 FOR ROOM FINISH SCHEDULE.
5. SEE SHEET A4.2 FOR DOOR SCHEDULE AND A4.3 FOR DOOR AND WINDOW FRAME TYPES.
6. FURNISH AND INSTALL INTERIOR SIGNS AT ALL INTERIOR DOORS AND AT OTHER LOCATIONS UP TO SPECIFIED LIMITS. SEE SHEET A1.2 FOR SPECIFICATIONS.
7. FURNISH AND INSTALL WINDOW BLINDS. SEE SHEET A4.2 FOR SPECIFICATIONS.
8. SEE SHEET A1.2 FOR SPECIAL ITEM MOUNTING HEIGHTS AND INTERIOR SIGNAGE MOUNTING HEIGHTS.
9. PROVIDE SOLID BLOCKING IN STUD WALLS FOR SECURE MOUNTING OF ALL WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO SHELVES, MILLWORK, MIRRORS, GRAB BARS, DISPENSERS, MARKER & TACK BOARDS, TELEVISIONS, DOOR STOPS. COORDINATE WITH OWNER FOR BLOCKING REQUIRED FOR OWNER FURNISHED OR INSTALLED ITEMS.
10. ALL FRAMES TO HAVE 4" STUD FRAME RETURN AT ALL DOORS AND WINDOW JAMBS UNLESS NOTED OTHERWISE.
11. SEE SPECIFICATIONS FOR CONTROL JOINTS AT GYPSUM WALL BOARD AND CEILINGS UNLESS NOTED OTHERWISE ON DRAWINGS.
12. PLUMBING FIXTURES ARE GRAPHICALLY SHOWN. REFER TO PLUMBING DOCUMENTS FOR ACTUAL PLUMBING FIXTURE.

Reference Notes

1.01	SEE PLUMBING DRAWINGS
6.01	FILLER PANEL, 1" TYP. UNLESS NOTED OTHERWIDSE
6.03	REMOVABLE PANEL
11.01	REFRIGERATOR, OWNER FURNISHED, CONTRACTOR INSTALLED
11.03	WASHER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.04	DRYER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.14	HAND TOWEL DISPENDER. OWNER FURNISHED, CONTRACTOR INSTALLED
11.15	WALL MOUNTED SOAP DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.16	TOILET PAPER DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.17	SANITARY NAPKIN DISPOSAL, OWNER FURNISHED, CONTRACTOR INSTALLED

Keyed Notes

055000.B1	STEEL LADDER
064116.A1	3/4" MELAMINE COATED PARTICLE BOARD
064116.D2	H.P. DECORATIVE LAMINATE - TOPS, EDGES, AND BACKSPLASH
066400.A1	FIBERGLASS REINFORCED PANELS
102600.A1	CORNER GUARD, 90°, 7'-0"
102800.A1	GRAB BAR, 36" LONG
102800.A2	GRAB BAR, 42" LONG
102800.A4	GRAB BAR, 18" LONG
102800.B1	MIRROR, 18" WIDE X 36" HIGH, FRAMED
102800.K1	MOP HOOK.
104413.A1	FIRE EXTINGUISHER CABINET, SEMI-RECESSED
220100.C3	WATER BOTTLE FILLING STATION
220100.K1	LAVATORY
220100.L1	SINK
220100.M1	MOP SINK

Casework Key

(PER THE WOODWORK INSTITUTE'S ARCHITECTURAL WOODWORK STANDARDS)

CDS ID#

MODIFICATIONS

100 X X X" X"

DEPTH
HEIGHT
WIDTH

M= MODIFIED VERSION OF AWI CABINET MODEL REPRESENTED BY THE PRECEDING NUMBER.
L= LOCKABLE (064116.I1)
M/L= MODIFICATION / LOCKABLE (064116.I1)

MODEL NUMBER	INDICATES MODEL NUMBER OF AWI CABINET
MODIFICATION	A DESCRIPTION OF THE MODIFICATION MADE INDICATED BY THE (M) FOLLOWING THE MODEL NUMBER. SEE ADDITIONAL TEXT AND/OR REFERENCE NOTE.
WIDTH	INDICATES WIDTH OF CABINET, DIMENSIONED FROM OUTSIDE FACE TO OUTSIDE FACE.
DEPTH	INDICATES DEPTH OF CABINET, DIMENSIONED FROM FRONT FACE OF CABINET TO REAR FACE OF CABINET EXCLUDING CABINET DOOR WHEN APPLIES.
HEIGHT	INDICATES HEIGHT OF CABINET, DIMENSIONED FROM FACE OF FINISHED FLOOR TO TOP OF COUNTERTOP.

COUNTER TOP TAG

12" / 12" — DEPTH / HEIGHT

Marker/Tackboard Legend

MB = MARKERBOARD
TB = TACKBOARD
TS = TACK STRIP

SYMBOL	WIDTH	HEIGHT	MOUNTING HEIGHT A.F.F. TO TOP U.N.O.
M4	4' - 0"	4' - 0"	7' - 0"
M6	5' - 0"	4' - 0"	7' - 0"
M7	6' - 0"	4' - 0"	7' - 0"

1. SEE SPECIFICATION 101100 FOR MARKER BOARDS

LKV ARCHITECTS
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www.lkvarchitects.com
208.336.3443

10/28/2024

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

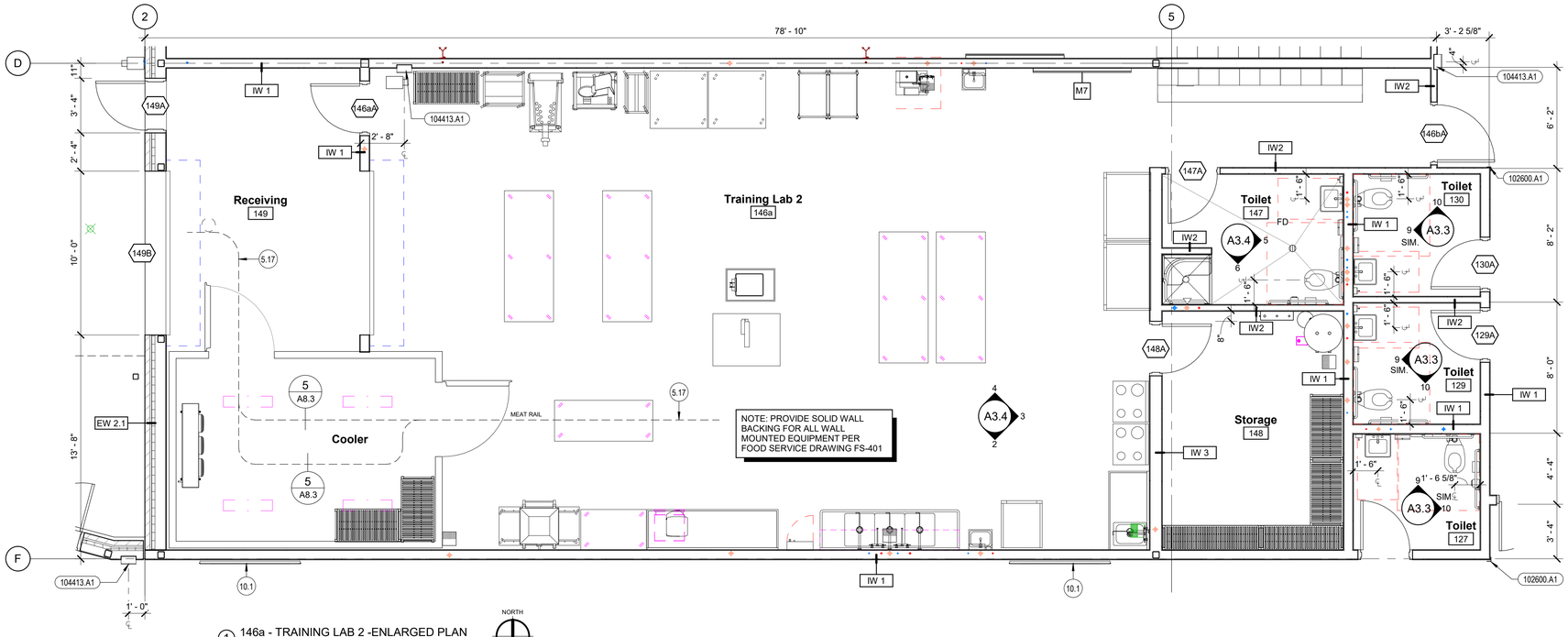
DATE: 10/28/2024
LKV PROJECT #: 2219

DRAWN BY: GB
CHECKED BY: RP

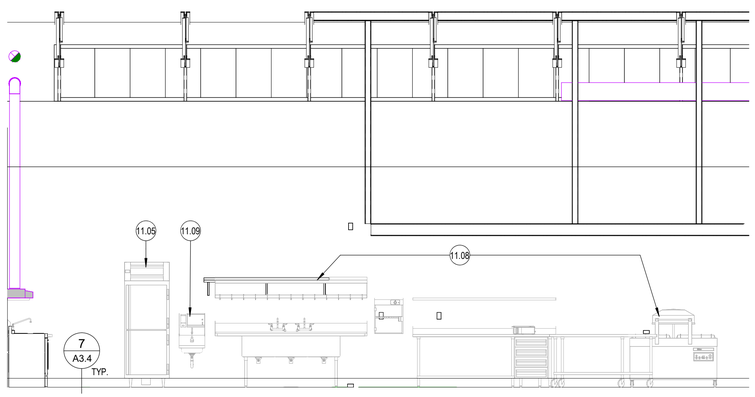
BID SET

DRAWING NO.:

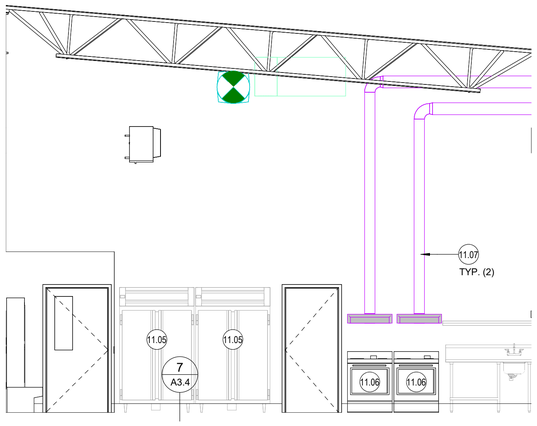
A3.3
ENLARGED FLOOR PLANS



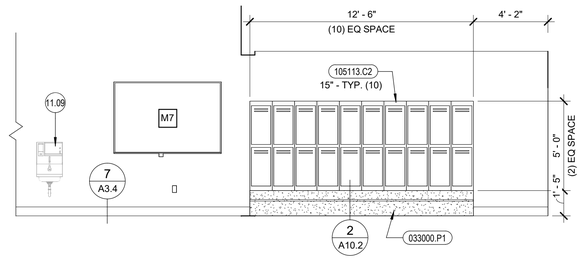
1 146a - TRAINING LAB 2 -ENLARGED PLAN
1/4" = 1'-0"



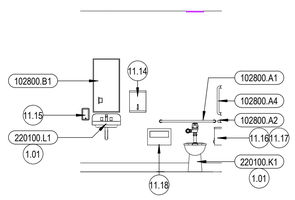
2 146a - SOUTH
1/4" = 1'-0"



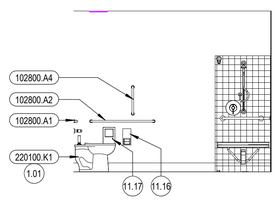
3 146a - EAST
1/4" = 1'-0"



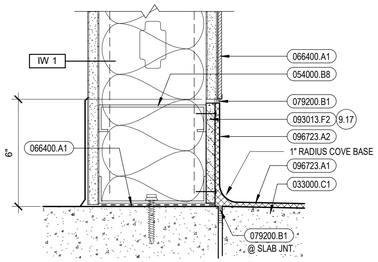
4 146a - NORTH
1/4" = 1'-0"



5 147 - EAST
1/4" = 1'-0"



6 147 - SOUTH
1/4" = 1'-0"



7 EPOXY FLOOR COVE BASE
3" = 1'-0"

General Notes

1. EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE FOUNDATION WALL UNLESS NOTED OTHERWISE.
2. INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
3. SEE SHEET A1.1 FOR CODE COMPLIANCE SUMMARY AND FLOOR PLANS.
4. SEE SHEET A4.1 FOR ROOM FINISH SCHEDULE.
5. SEE SHEET A4.2 FOR DOOR SCHEDULE AND A4.3 FOR DOOR AND WINDOW FRAME TYPES.
6. FURNISH AND INSTALL INTERIOR SIGNS AT ALL INTERIOR DOORS AND AT OTHER LOCATIONS UP TO SPECIFIED LIMITS. SEE SHEET A1.2 FOR SPECIFICATIONS.
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11. SEE SPECIFICATIONS FOR CONTROL JOINTS AT GYPSUM WALL BOARD AND CEILINGS UNLESS NOTED OTHERWISE ON DRAWINGS.
12. PLUMBING FIXTURES ARE GRAPHICALLY SHOWN. REFER TO PLUMBING DOCUMENTS FOR ACTUAL PLUMBING FIXTURE.

Reference Notes

1.01	SEE PLUMBING DRAWINGS
5.17	SEE STRUCTURAL FOR MEAT RAIL SUPPORT SYSTEM
9.17	FASTEN EDGES TOP & BOTTOM @ MAX. 9" O.C.
10.1	72" T.V., OWNER FURNISHED, CONTRACTOR INSTALLED
11.05	FREEZER, SEE KITCHEN DRAWINGS
11.06	STOVE, SEE KITCHEN DRAWINGS
11.07	RANGE HOOD, SEE MECHANICAL DRAWINGS
11.08	KITCHEN EQUIPMENT, SEE KITCHEN DRAWINGS
11.09	KITCHEN SINK, SEE KITCHEN DRAWINGS
11.14	HAND TOWEL DISPENDER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.15	WALL MOUNTED SOAP DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.16	TOILET PAPER DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED
11.17	SANITARY NAPKIN DISPOSAL, OWNER FURNISHED, CONTRACTOR INSTALLED
11.18	TOILET SEAT COVER DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED

Keyed Notes

033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
033000.P1	CONCRETE BENCH
054000.B8	STEEL STUD BLOCKING, 6", 18 GA.
066400.A1	FIBERGLASS REINFORCED PANELS
079200.B1	ONE PART URETHANE SEALANT
093013.F2	CEMENTITIOUS BACKER UNITS, 1/2"
096723.A1	RESINOUS FLOORING SYSTEM
096723.A2	RESINOUS COVED BASE SYSTEM
102600.A1	CORNER GUARD, 90°, 7'-0"
102800.A1	GRAB BAR, 36" LONG
102800.A2	GRAB BAR, 42" LONG
102800.A4	GRAB BAR, 18" LONG
102800.B1	MIRROR, 18" WIDE X 36" HIGH, FRAMED
104413.A1	FIRE EXTINGUISHER CABINET, SEMI-RECESSED
105113.C2	METAL DRESSING LOCKERS, DOUBLE TIER. 15" WIDE X 12" DEEP.
220100.K1	LAVATORY
220100.L1	SINK

Marker/Tackboard Legend

MB = MARKERBOARD
TB = TACKBOARD
TS = TACK STRIP

SYMBOL	WIDTH	HEIGHT	MOUNTING HEIGHT A.F.F. TO TOP U.N.O.
M4	4' - 0"	4' - 0"	7' - 0"
M6	5' - 0"	4' - 0"	7' - 0"
M7	6' - 0"	4' - 0"	7' - 0"

1. SEE SPECIFICATION 101100 FOR MARKER BOARDS

LKV ARCHITECTS
2400 E. Riverwalk Drive
Boise, Idaho 83706
www.lkvarchitects.com
208.336.3443

10/28/2024

Revisions
Description | Date
|

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

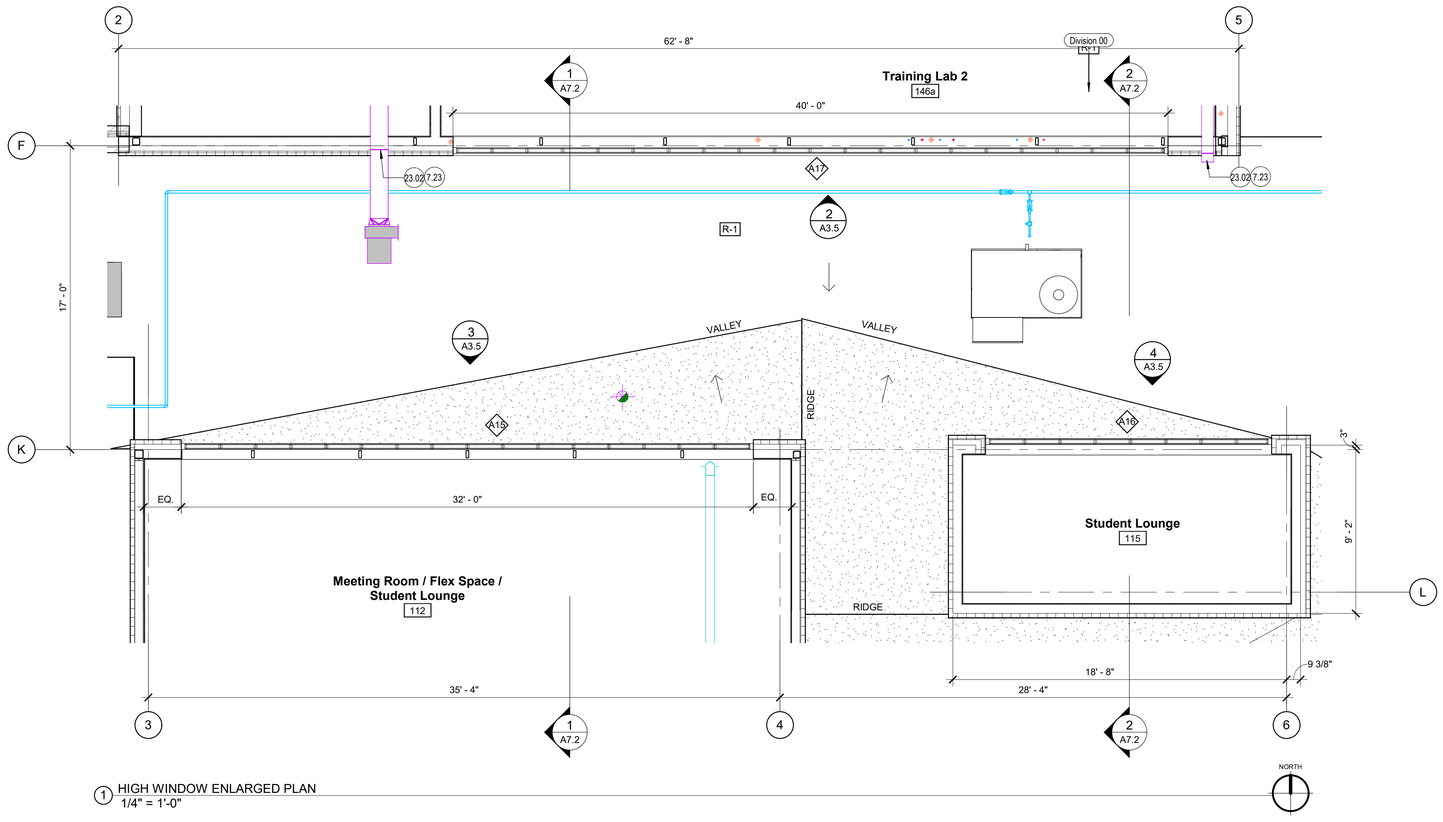
DATE: 10/28/2024
LKV PROJECT #: 2219

DRAWN BY: GB
CHECKED BY: RP

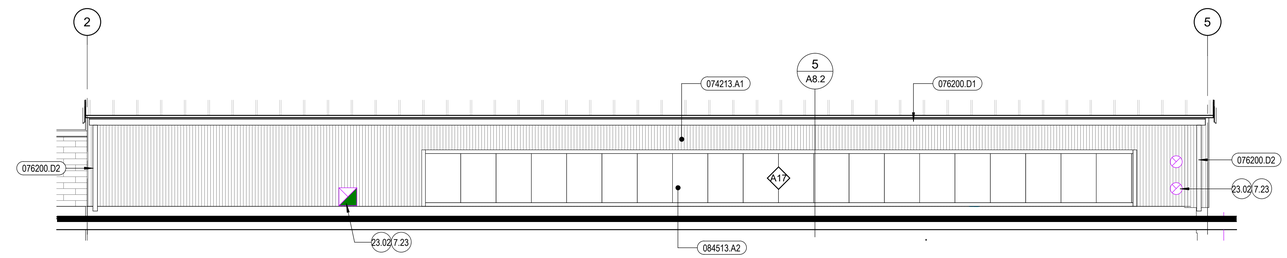
BID SET

DRAWING NO.:

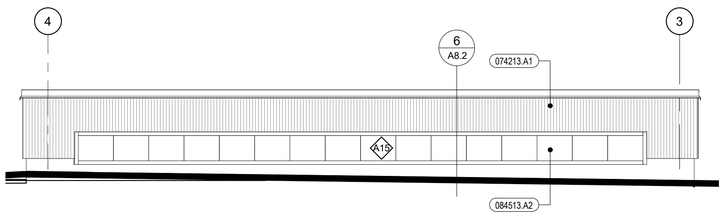
A3.4
ENLARGED FLOOR PLANS



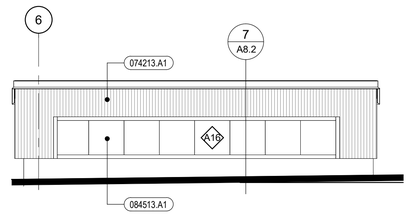
1 HIGH WINDOW ENLARGED PLAN
1/4" = 1'-0"



2 HIGH WINDOW ELEVATION @ TRAINING LAB 2 146a
1/4" = 1'-0"



3 HIGH WINDOW @ MEETING ROOM 112
1/4" = 1'-0"



4 HIGH WINDOW @ STUDENT LOUNGE 115
1/4" = 1'-0"

General Notes

1. EXTERIOR DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE FOUNDATION WALL UNLESS NOTED OTHERWISE.
2. INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
3. SEE SHEET A1.1 FOR CODE COMPLIANCE SUMMARY AND FLOOR PLANS.
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5. SEE SHEET A4.2 FOR DOOR SCHEDULE AND A4.3 FOR DOOR AND WINDOW FRAME TYPES.
6. FURNISH AND INSTALL INTERIOR SIGNS AT ALL INTERIOR DOORS AND AT OTHER LOCATIONS UP TO SPECIFIED LIMITS. SEE SHEET A1.2 FOR SPECIFICATIONS.
7. FURNISH AND INSTALL WINDOW BLINDS. SEE SHEET A4.2 FOR SPECIFICATIONS.
8. SEE SHEET A1.2 FOR SPECIAL ITEM MOUNTING HEIGHTS AND INTERIOR SIGNAGE MOUNTING HEIGHTS.
9. PROVIDE SOLID BLOCKING IN STUD WALLS FOR SECURE MOUNTING OF ALL WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO SHELVES, MILLWORK, MIRRORS, GRAB BARS, DISPENSERS, MARKER & TACK BOARDS, TELEVISIONS, DOOR STOPS. COORDINATE WITH OWNER FOR BLOCKING REQUIRED FOR OWNER FURNISHED OR INSTALLED ITEMS.
10. ALL FRAMES TO HAVE 4" STUD FRAME RETURN AT ALL DOORS AND WINDOW JAMBS UNLESS NOTED OTHERWISE.
11. SEE SPECIFICATIONS FOR CONTROL JOINTS AT GYPSUM WALL BOARD AND CEILINGS UNLESS NOTED OTHERWISE ON DRAWINGS.
12. PLUMBING FIXTURES ARE GRAPHICALLY SHOWN. REFER TO PLUMBING DOCUMENTS FOR ACTUAL PLUMBING FIXTURE.

Reference Notes

7.23 PROVIDE WATERTIGHT METAL WALL PENETRATION REINFORCING & SEALANTS IN ACCORDANCE W/ PANEL MFR'S. REQUIREMENTS. COORDINATE WITH DUCT INSTALLATION.

23.02 MECHANICAL WALL PENETRATION. PROVIDE WATER TIGHT FLASHING/COUNTER FLASHING SYSTEM AT INSULATED METAL WALL PANELS. COORDINATE WITH DIVISION 7 METAL WALL PANEL INSTALLATION REQUIREMENTS.

Keyed Notes

074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
076200.D1	PRE-FINISHED METAL BOX GUTTER, 24 GA. 4X6
076200.D2	PRE-FINISHED DOWNSPOUT, 24 GA.
084513.A1	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 4.25" SYSTEM
084513.A2	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 3" SYSTEM
Division 00	PROCUREMENT AND CONTRACTING REQUIREMENTS

LKV ARCHITECTS
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10/28/2024

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
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Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219

DRAWN BY: GB
CHECKED BY: RP

BID SET

DRAWING NO.:

A3.5
ENLARGED FLOOR PLANS

ROOM FINISH SCHEDULE

		Floor		South		West		North		East		Ceiling		
Room No.	Room Name	Mat.	Base	Mat.	Finish	Mat.	Finish	Mat.	Finish	Mat.	Finish	Mat.	Finish	Remarks
100	Vestibule	EC	RB	BR	PNT	GB	PNT	BR	PNT	GB	PNT	SAT	FACT	
101	Corridor	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	1
102	Reception	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
103	Hall	CT	RB	GB	PNT	GB	PNT	GB	PNT	-	-	SAT	FACT	
104	Office	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
105	Director	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
106	Hall	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
107	Workroom	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
108	Testing	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
109	Storage	SC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
110	Shared Offices	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
111	Conference	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
112	Meeting Room / Flex Space / Student Lounge	LVT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	ES	PNT	
113	Storage	LVT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	GB	PNT	
114	Catering	LVT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	GB	PNT	
115	Student Lounge	PC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT/GB	FACT/PNT	1
116a	Flex Classroom	LVT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
116b	Closet	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	-	-	
117a	Corridor	PC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
117b	Corridor	PC	RB	-	-	GB	PNT	-	-	GB	PNT	SAT	FACT	
118	Classroom	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
119	Classroom	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
120	Classroom	CT	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
121	Storage	SC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
122	Custodian	SC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	GB	PNT	4
123	Men	PFT	PFT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB	PNT	2
124	Women	PFT	PFT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB	PNT	2
125	Vestibule	EC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
126	Nursing Moms	PFT	PFT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB	PNT	2
127	Toilet	PFT	PFT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB/PWT	PNT/FACT	GB	PNT	2
128	Corridor	PC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
129	Toilet	SV	RB6	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB	PNT	3
130	Toilet	SV	RB6	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB	PNT	3
131	Training Lab 3	PC	CB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
132	Storage	PC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	GB	PNT	
133	Health Occupations Lab	PC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
134	Storage	PC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	GB	PNT	
135	Toilet	SV	RB6	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB	PNT	3
136	Science Lab	PC	CB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
137	Storage	PC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	GB	PNT	
138	Toilet	SV	RB6	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB	PNT	3
139	Mech.	SC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	ES	PNT	
140	Elec.	SC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	ES	PNT	
141	I.T.	SC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	SAT	FACT	
142a	Training Lab 1	SC	RB6	GB	PNT	GB	PNT	GB	PNT	GB	PNT	ES	PNT	1
142b	Hall	SC	RB	GB	PNT	-	-	GB	PNT	GB	PNT	SAT	FACT	
143	Storage	SC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	ES	PNT	
144	Storage	SC	RB	GB	PNT	GB	PNT	GB	PNT	GB	PNT	ES	PNT	
145	Toilet	SV	RB6	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB	PNT	3
146a	Training Lab 2	EF	ECB	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	ES	PNT	5
146b	Hall	EF	ECB	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	SAT	FACT	
147	Toilet	EF	ECB	GB/FRP	PNT/FACT	GB/PWT	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB	PNT	3
148	Storage	EF	ECB	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB	PNT	
149	Receiving	EF	ECB	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	GB/FRP	PNT/FACT	ES	PNT	5

General Notes

1. SEE SPECIFICATIONS FOR SUSPENDED ACOUSTICAL PANEL INSTALLATION REQUIREMENTS.
2. SEE REFLECTED CEILING PLAN FOR CEILING HEIGHTS.
3. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
4. SEE SPECIFICATIONS FOR ALLOWABLE NUMBER OF COLOR AND PATTERNS PER ROOM AND/OR MATERIAL.
5. FURNISH AND INSTALL INTERIOR SIGNS AT ALL INTERIOR DOORS AND AT OTHER LOCATIONS UP TO SPECIFIED LIMITS. SEE SPECIFICATIONS.

Finish Schedule Remarks

1. DRINKING FOUNTAIN
2. PORCELAIN WALL TILE(PWT) TO 6' - 0" A.F.F. REMOVE BOTTOM 4" OF PWT SEAM COVERS TO ALLOW FLUSH, UNIFORM INSTALLATION OF RUBBER COVEBASE.
3. FRP TO 6' - 0" A.F.F. REMOVE BOTTOM 4" OF FRP SEAM COVERS TO ALLOW FLUSH, UNIFORM INSTALLATION OF RUBBER OVERBASE.
4. FRP TO 4' - 0" A.F.F. AROUND THE MOP SINK (2) SIDES. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS.
5 FRP TO 12'-0" A.F.F.

Finish Schedule Abbreviations

FLOORS
- CT — CARPET TILE
- PC — POLISHED CONCRETE
- SC — SEALED CONCRETE
- PFT — PORCELAIN FLOOR TILE
- LVT — LUXURY VINYL TILE
- EC — ENTRY CARPET
- SV — SHEET VINYL
- EF — EPOXY CONCRETE FLOOR

BASE`
- RB — COVED RUBBER BASE 4"
- ECB — EPOXY COVED BASE 6"
- RB6 — COVED RUBBER BASE 6"
- PFT — PORCELAIN FLOOR TILE

WALLS
- GB — GYPSUM BOARD
- BR — BRICK
- PWT — PORCELAIN WALL TILE

CEILINGS
- ES — EXPOSED STRUCTURE
- GB — GYPSUM BOARD
- SAT — SUSPENDED ACOUSTIC TILE

FINISHES
- EP — EPOXY PAINT
- FACT — FACTORY
- PNT — PAINT

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LICENSED ARCHITECT — 10/28/2024 — STATE OF IDAHO

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219

DRAWN BY: GB
CHECKED BY: RP

BID SET

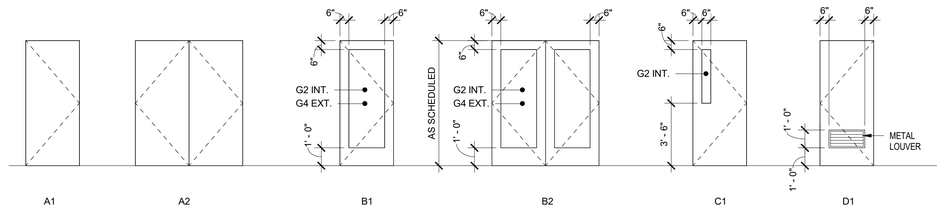
DRAWING NO.:

A4.1

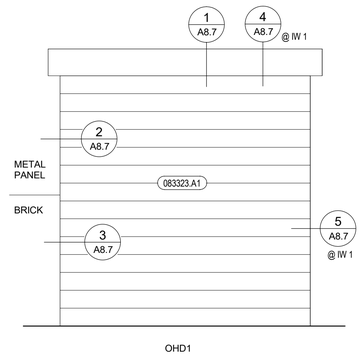
ROOM FINISH SCHEDULES

DOOR SCHEDULE

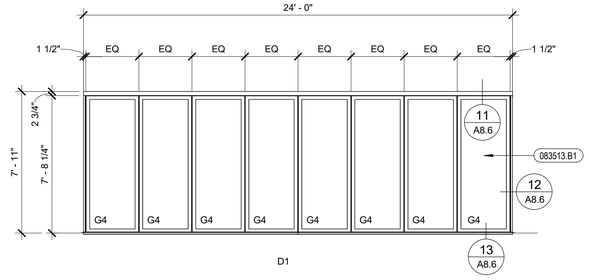
Mark	Door					Frame			OVT Hardware Set	Rating	Door Schedule Remarks
	Width	Height	Type	Mat.	Finish	Type	Mat.	Finish			
100A	6' - 0"	7' - 0"	B2	ALUM	ANOD	A6	ALUM.	ANOD.	A1		1, 2
100B	6' - 0"	7' - 0"	B2	ALUM	ANOD	A7	ALUM.	ANOD.	A2		2
101A	6' - 0"	7' - 0"	A2	STL	PNT	S	STL	PNT	01		1
102A	3' - 0"	7' - 0"	B1	FW	STN	S1	STL	PNT	04		
104A	3' - 0"	7' - 0"	B1	FW	STN	S4	STL	PNT	16		
105A	3' - 0"	7' - 0"	B1	FW	STN	S	STL	PNT	16		
107A	3' - 0"	7' - 0"	B1	FW	STN	S3	STL	PNT	16		
108A	3' - 0"	7' - 0"	B1	FW	STN	S3	STL	PNT	16		
109A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	16		
111A	3' - 0"	7' - 0"	B1	FW	STN	S3	STL	PNT	17		
112A	3' - 0"	7' - 10"	D2	ALUM	ANOD	A1	ALUM.	ANOD.	A3		1
112B	24' - 0"	8' - 0"	D1	-	-	-	-	-	R1		
112C	3' - 0"	7' - 10"	D2	ALUM	ANOD	A1	ALUM.	ANOD.	A3		1
112D	6' - 0"	7' - 0"	B2	FW	STN	S2	STL	PNT	07		
112E	3' - 0"	7' - 0"	B1	FW	STN	S	STL	PNT	10		
113A	6' - 0"	7' - 0"	A2	FW	STN	S	STL	PNT	13		
114A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	16		
114B	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	16		
116A	3' - 0"	7' - 0"	C1	FW	STN	S	STL	PNT	17		
116B	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	16		
116C	2' - 6"	7' - 0"	D1	FW	STN	S	STL	PNT	16		3
116M	3' - 0"	1' - 0 1/2"	68								
118A	3' - 0"	7' - 0"	C1	FW	STN	S	STL	PNT	17		
119A	3' - 0"	7' - 0"	C1	FW	STN	S	STL	PNT	17		
120A	3' - 0"	7' - 0"	C1	FW	STN	S	STL	PNT	17		
121A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	14		
122A	3' - 6"	7' - 0"	A1	FW	STN	S	STL	PNT	11		
123A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	19		
124A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	19		
125A	6' - 0"	7' - 0"	B2	ALUM	ANOD	A4	ALUM.	ANOD.	A1		1, 2
125B	6' - 0"	7' - 0"	B2	ALUM	ANOD	A5	ALUM.	ANOD.	A2		2
126A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	12		
127A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	06		2
128A	6' - 0"	7' - 0"	B2	FW	STN	S	STL	PNT	07		
128B	3' - 0"	7' - 0"	B1	ALUM	ANOD	S3	ALUM.	ANOD.	02		1
129A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	12		
130A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	12		
131A	3' - 6"	7' - 0"	C1	FW	STN	S	STL	PNT	09		
132A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	14		
133A	4' - 0"	7' - 0"	C1	FW	STN	S	STL	PNT	09		
133B	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	08		
134A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	14		
135A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	12		
136A	3' - 6"	7' - 0"	C1	FW	STN	S	STL	PNT	09		
137A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	14		
138A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	06		
139A	3' - 6"	7' - 0"	A1	STL	PNT	S9	STL	PNT	05		1
140A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	03		1
141A	3' - 0"	7' - 0"	A1	FW	STN	S	STL	PNT	04		
142aA	3' - 0"	7' - 0"	A1	STL	PNT	S9	STL	PNT	02		1
142aB	10' - 0"	14' - 0"	OHD1	-	-	-	-	-	R1		
142bA	3' - 6"	7' - 0"	C1	STL	PNT	S	STL	PNT	09		
143A	6' - 0"	7' - 0"	A2	STL	PNT	S	STL	PNT	13		
144A	6' - 0"	7' - 0"	A2	STL	PNT	S	STL	PNT	13		
145A	3' - 0"	7' - 0"	A1	STL	PNT	S	STL	PNT	12		
146aA	3' - 0"	7' - 0"	A1	SS	FACT	S	SS	FACT	18		
146aB	10' - 0"	14' - 0"	OHD1						R1		
146bA	3' - 6"	7' - 0"	C1	STL	PNT	S	STL	PNT	09		
147A	3' - 0"	7' - 0"	A1	SS	FACT	S	SS	FACT	12		
148A	3' - 0"	7' - 0"	A1	SS	FACT	S	SS	FACT	15		
149A	3' - 0"	7' - 0"	A1	STL	PNT	S9	STL	PNT	02		1
149B	10' - 0"	14' - 0"	OHD1	-	-	-	-	-	R1		



DOOR TYPES
1/4" = 1'-0"



OVERHEAD DOOR TYPES
1/4" = 1'-0"



SLIDING DOOR TYPES
1/4" = 1'-0"

General Notes

1. SEE SPECIFICATIONS FOR SUSPENDED ACOUSTICAL PANEL INSTALLATION REQUIREMENTS.
2. SEE REFLECTED CEILING PLAN FOR CEILING HEIGHTS.
3. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
4. FURNISH AND INSTALL INTERIOR SIGNS AT ALL INTERIOR DOORS AND AT OTHER LOCATIONS UP TO SPECIFIED LIMITS. SEE SPECIFICATIONS.

Door Schedule Remarks

1. ACCESS CONTROL, REFER TO DOOR HARDWARE SPECIFICATION SECTION 087100 AND ELECTRICAL DRAWINGS FOR REQUIRED DOOR HARDWARE SYSTEM.
2. ADA PUSH PLATE ACTUATORS, REFER TO DOOR HARDWARE SPECIFICATION SECTION 087100.
3. METAL LOUVER

Door Schedule Abbreviations

ALUM.	ALUMINUM
FACT.	FACTORY FINISHED
PNT.	PAINT
STL.	STEEL
STN.	STAIN
ANOD.	ANODIZED
FW	FLUSH WOOD
SS	STAINLESS STEEL

Glass Types

G1	1/4" FLOAT GLASS
G2	1/4" TEMPERED SAFETY GLASS
G3	1" TINTED INSULATING GLASS, NON-TEMPERED
G4	1" TINTED INSULATING GLASS - TEMPERED

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REGISTERED ARCHITECT
GREGORY BRUCE
10/28/2024
STATE OF IDAHO

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219

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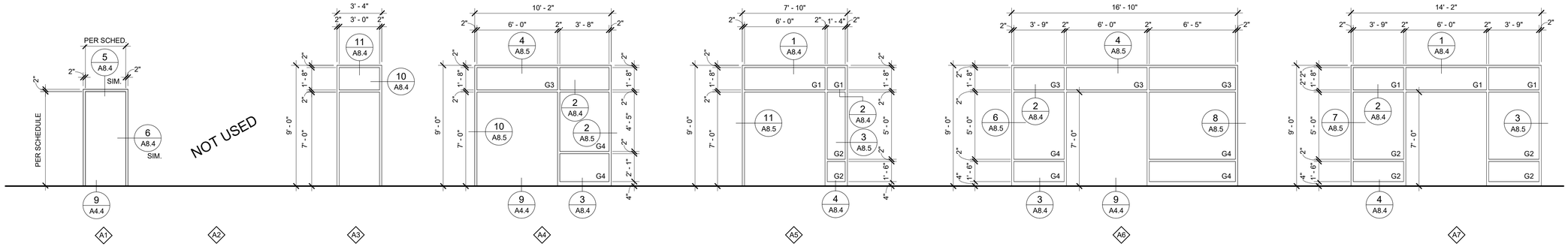
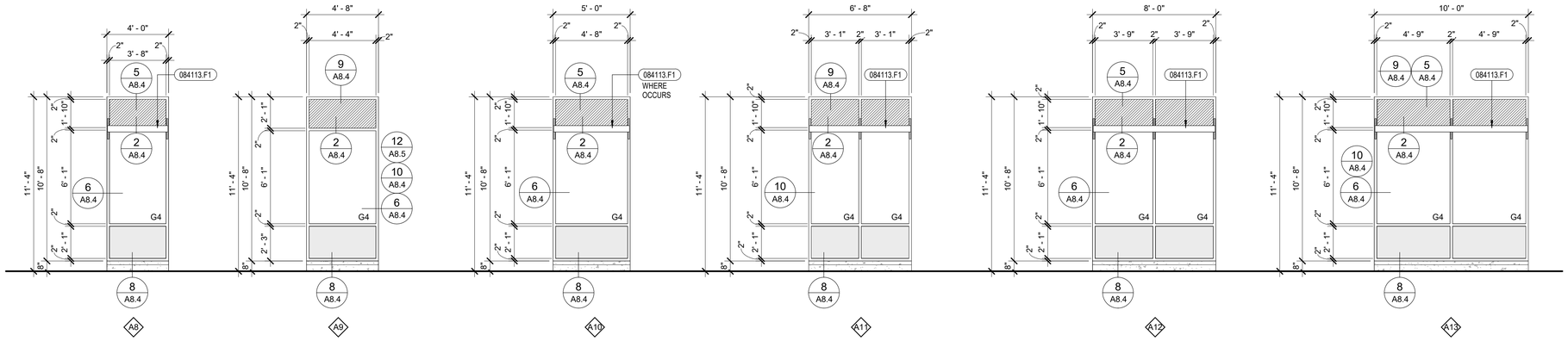
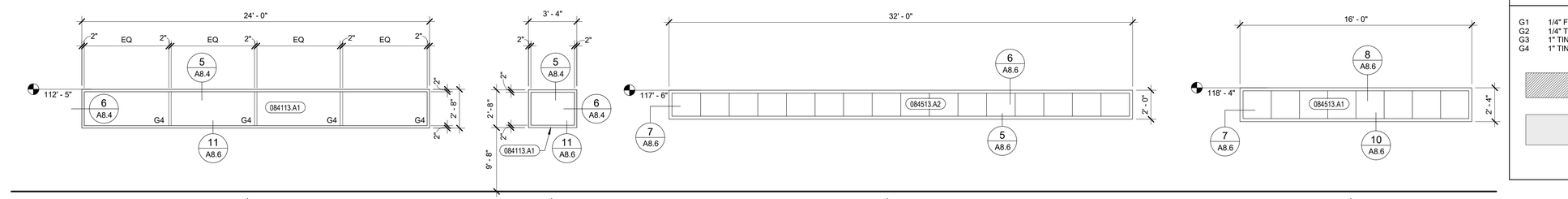
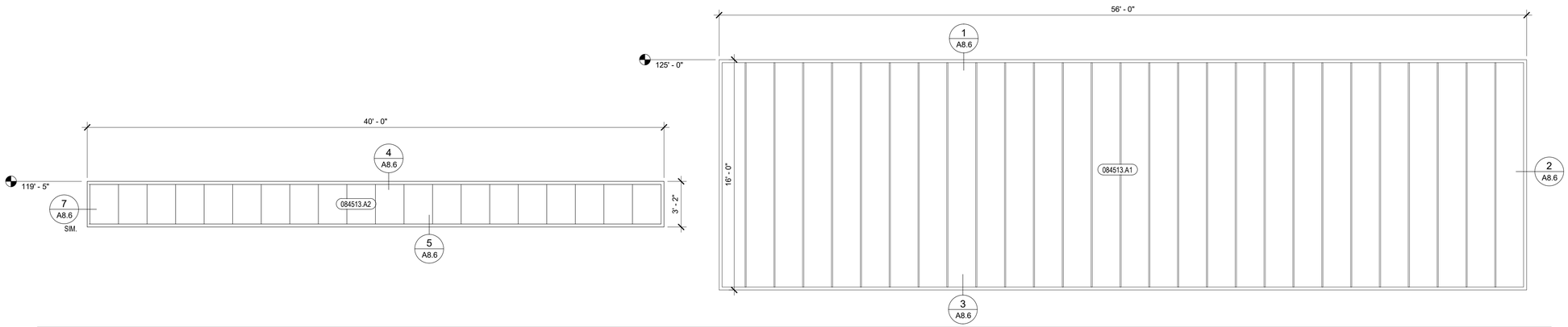
DRAWING NO.:
A4.2
DOOR SCHEDULE









EXTERIOR FRAME TYPES
1/4" = 1'-0"

General Notes

1. FURNISH AND INSTALL SOLID BLOCKING IN STUD WALLS FOR WALL MOUNTED DOOR STOPS WHERE OCCURS. SEE HARDWARE SCHEDULE.

Keyed Notes

084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
084113.F1	ALUMINUM SUNSHADE
084513.A1	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 4.25" SYSTEM
084513.A2	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 3" SYSTEM

Glass Types

G1	1/4" FLOAT GLASS
G2	1/4" TEMPERED SAFETY GLASS
G3	1" TINTED INSULATING GLASS, NON-TEMPERED
G4	1" TINTED INSULATING GLASS - TEMPERED

GLAZING INFILL PANEL.
ALUMINUM EXTERIOR FINISH.
ALUMINUM INTERIOR FINISH.

GLAZING INFILL PANEL.
EXTERIOR COLOR AS SELECTED.
ALUMINUM INTERIOR FINISH.

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REGISTERED ARCHITECT
10/28/2024

#	Description	Date
	Revisions	

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219

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CHECKED BY: RP

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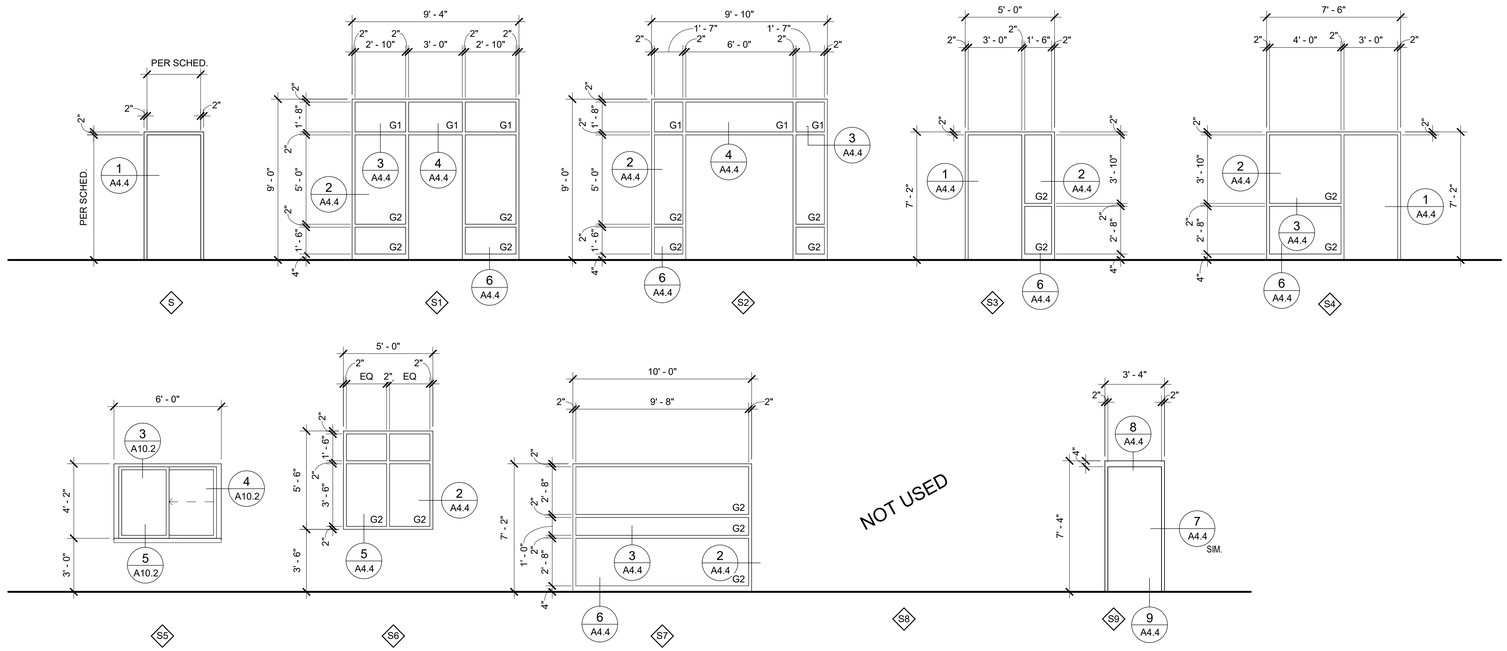
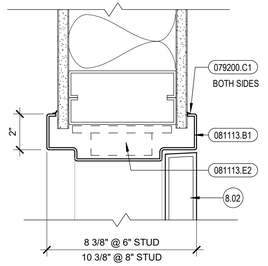
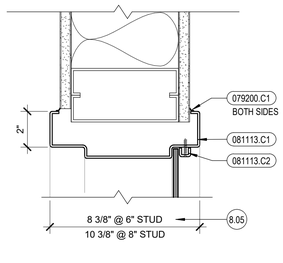
DRAWING NO.:
A4.3
FRAME TYPES



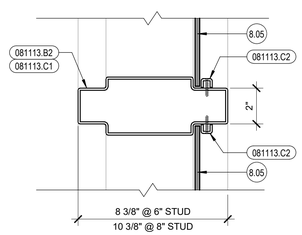
FRAME TYPES
1/4" = 1'-0"



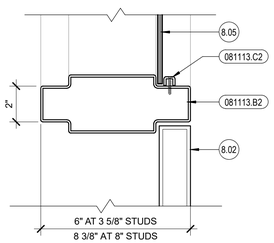
1 HM DOOR JAMB
3" = 1'-0" HEAD SIM.



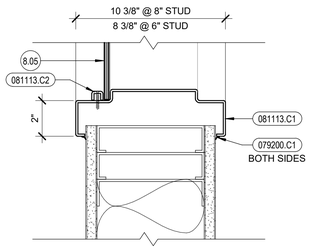
2 HM WINDOW JAMB
3" = 1'-0" HEAD SIM.



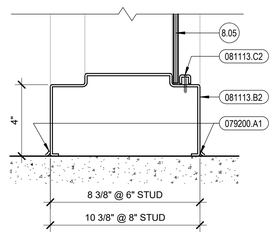
3 HM WINDOW MULLION
3" = 1'-0"



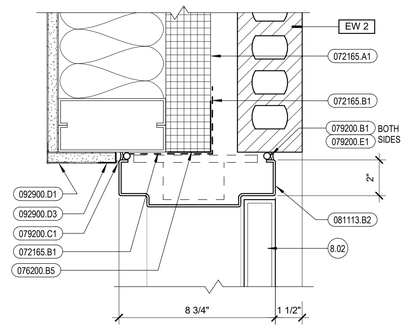
4 HM DOOR/WINDOW MULLION
3" = 1'-0"



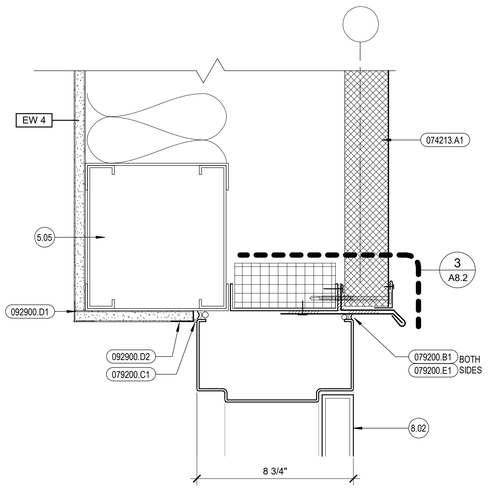
5 HM INTERIOR WINDOW SILL
3" = 1'-0"



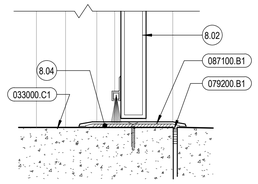
6 HM WINDOW SILL
3" = 1'-0"



7 HM DOOR JAMB @ BRICK
3" = 1'-0"



8 HM DOOR HEAD @ METAL PANEL
3" = 1'-0"



9 DOOR THRESHOLD
3" = 1'-0"

General Notes

1. FURNISH AND INSTALL SOLID BLOCKING FOR WALL MOUNTED DOOR STOPS WHERE OCCURS. SEE HARDWARE SCHEDULE

Reference Notes

5.05	SEE STRUCTURAL FOR HEADER TYPES AND SIZES
8.02	DOOR PER SCHEDULE
8.04	SET SADDLE IN FULL BED OF MASTIC OR GROUT.
8.05	GLAZING PER FRAME TYPES

Keyed Notes

033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
072165.B1	LIQUID FLASHING
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
076200.B5	GALV. METAL ANGLE TRIM, 18 GA.
079200.A1	ONE PART SILICON SEALANT
079200.B1	ONE PART URETHANE SEALANT
079200.C1	LATEX JOINT SEALANT
079200.E1	FOAM BACKER ROD
081113.B1	HOLLOW METAL DOOR FRAME
081113.B2	HOLLOW METAL DOOR / GLAZING FRAME
081113.C1	HOLLOW METAL GLAZING FRAME
081113.C2	GLAZING STOP
081113.E2	FRAME ANCHOR(S) FOR STEEL STUD WALLS
087100.B1	ALUMINUM THRESHOLD
092900.D1	METAL CORNER BEAD
092900.D2	METAL TRIM, LC
092900.D3	METAL TRIM, L BEAD

Glass Types

G1	1/4" FLOAT GLASS
G2	1/4" TEMPERED SAFETY GLASS
G3	1" TINTED INSULATING GLASS, NON-TEMPERED
G4	1" TINTED INSULATING GLASS - TEMPERED

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CSI - LeRoy Craig Jerome Center
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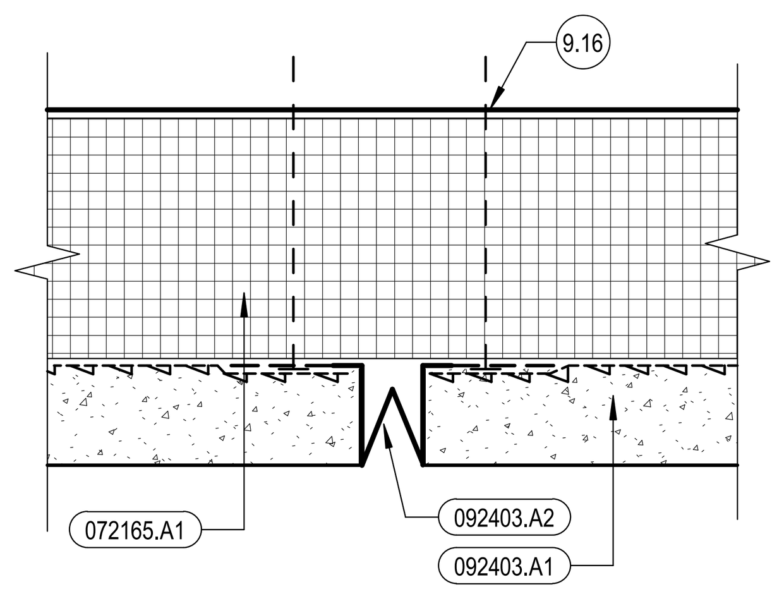
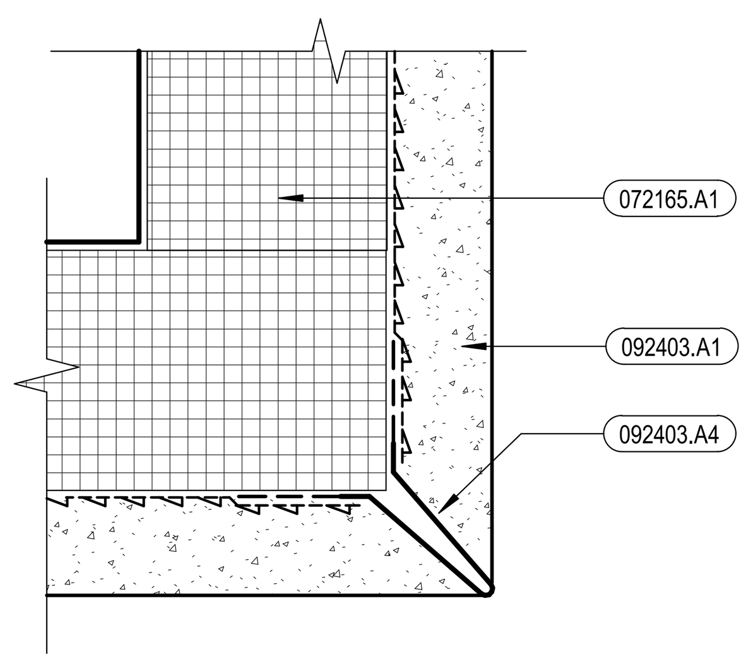
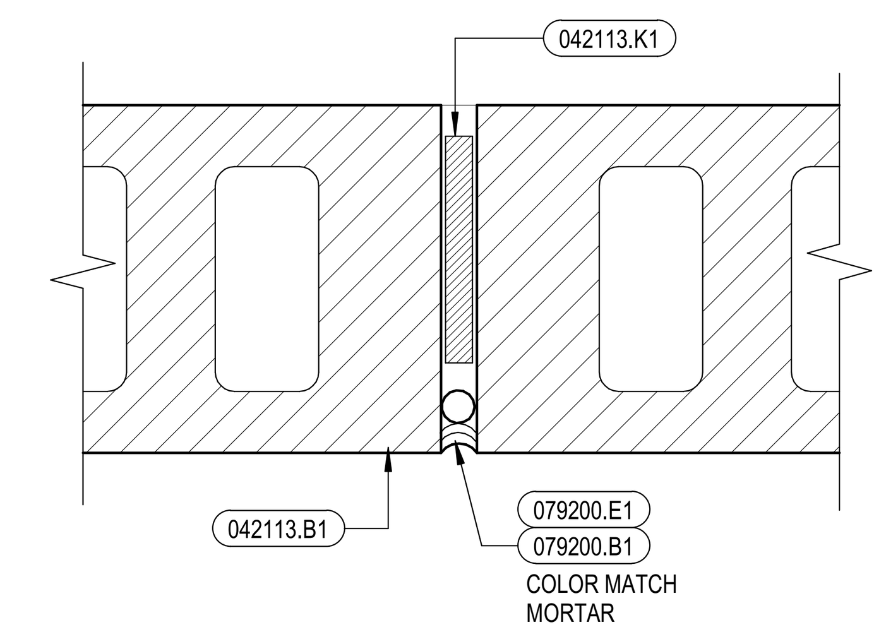
A4.4
FRAME TYPES AND DOOR DETAILS



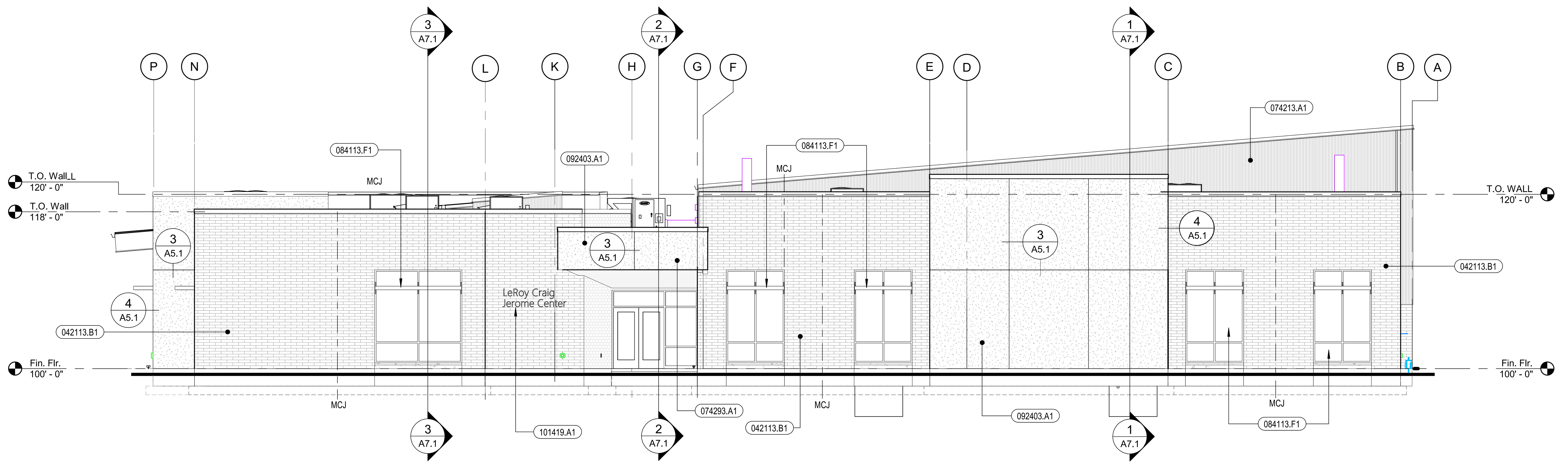
3 TYPICAL STUCCO CONTROL JOINT
6" = 1'-0"



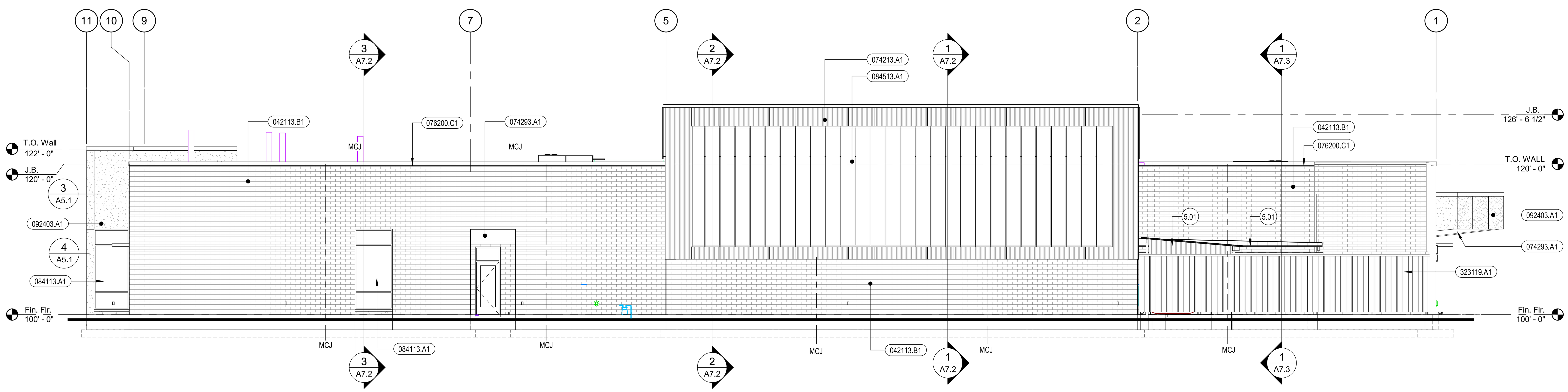
4 TYPICAL STUCCO CORNERBEAD
6" = 1'-0"



5 TYPICAL BRICK CONTROL JOINT
6" = 1'-0"



1 EAST ELEVATION
1/8" = 1'-0"



2 NORTH ELEVATION
1/8" = 1'-0"

General Notes

1. SEE ROOF PLAN, SHEET A6.1 FOR PARAPET COPING AND ROOF FLASHING DETAIL REFERENCES.
2. PRIME AND PAINT IN ENTIRETY ALL ROOF TOP MECHANICAL ITEMS VISIBLE ABOVE TOP OF PARAPET ELEVATION. COLOR AS SELECTED BY THE ARCHITECT.
3. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.
4. ELEVATIONS MAY NOT INDICATE ALL REQUIRED PENETRATIONS THROUGH WALL AND ROOF ASSEMBLIES. ALL PENETRATIONS SHALL INCLUDE NECESSARY REINFORCING AND SEALANT ITEMS FOR A COMPLETE WATERTIGHT ASSEMBLY IN ACCORDACNCE WITH APPLICABLE MFR'S REQUIREMENTS.
5. PROVIDE BACKING AND BLOCKING FOR ALL WALL MOUNTED ITEMS AND EQUIPMENT. VERIFY BACKING AND BLOCKING REQUIREMENTS FOR OWNER PROVIDED ITEMS WITH THE OWNER PRIOR TO COVERING WALLS.
6. FINISH ALL EXPOSED PIPING, CONDUIT, AND DUCTS WITH APPROPRIATE HIGH-PERFORMANCE COATING.
7. INSTALL CONTROL JOINTS AS INDICATED ON ELEVATIONS - SEE STRUCTURAL. CONTRACTOR TO PROVIDE SUBMITTAL INDICATING LOCATION OF ALL CONTROL JOINTS. LOCATIONS MUST BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
8. EXTERIOR BUILDING LIGHTS ARE NOT LOCATED ON ELEVATIONS. CONTRACTOR TO PROVIDE SUBMITTAL INDICATING HEIGHTS AND LOCATIONS. LOCATIONS MUST BE APPROVED BY ARCHITECT PRIOR TO COMMENCING WORK.
9. METAL SIDING LOCATIONS ARE INDICATED ON ELEVATIONS - COORDINATE WITH DATUM ELEVATIONS AND WALL TYPES FOR LOCATIONS AND TYPES OF UNITS SPECIFIED.
10. DO NOT SCALE ELEVATIONS - DIMENSIONS ARE INDICATED ON PLANS - IF NO DIMENSIONS ARE INDICATED - VERIFY DIMENSIONS WITH ARCHITECT PRIOR TO COMMENCING WORK.

Reference Notes

5.01	FABRICATED STEEL CANOPY W/ STANDING SEAM METAL ROOFING
9.16	FASTEN CONTROL JOINT THROUGH TO SHEATHING

MASONRY CONTROL JOINT 5 A5.1

MCJ

Keyed Notes

042113.B1	CLAY FACE (VENEER) BRICK, 4X4X16
042113.K1	COMPRESSIBLE FILLER
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
076200.C1	PRE-FINISHED METAL COPING, 24 GA.
079200.B1	ONE PART URETHANE SEALANT
079200.E1	FOAM BACKER ROD
084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
084113.F1	ALUMINUM SUNSHADE
084513.A1	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 4.25" SYSTEM
092403.A1	7/8" STUCCO SYSTEM.
092403.A2	STUCCO DRIP SCREED
092403.A4	STUCCO CORNERBEAD
101419.A1	CAST ALUMINUM LETTERS
323119.A1	ARCHITECTURAL METAL PRIVACY FENCE SYSTEM.

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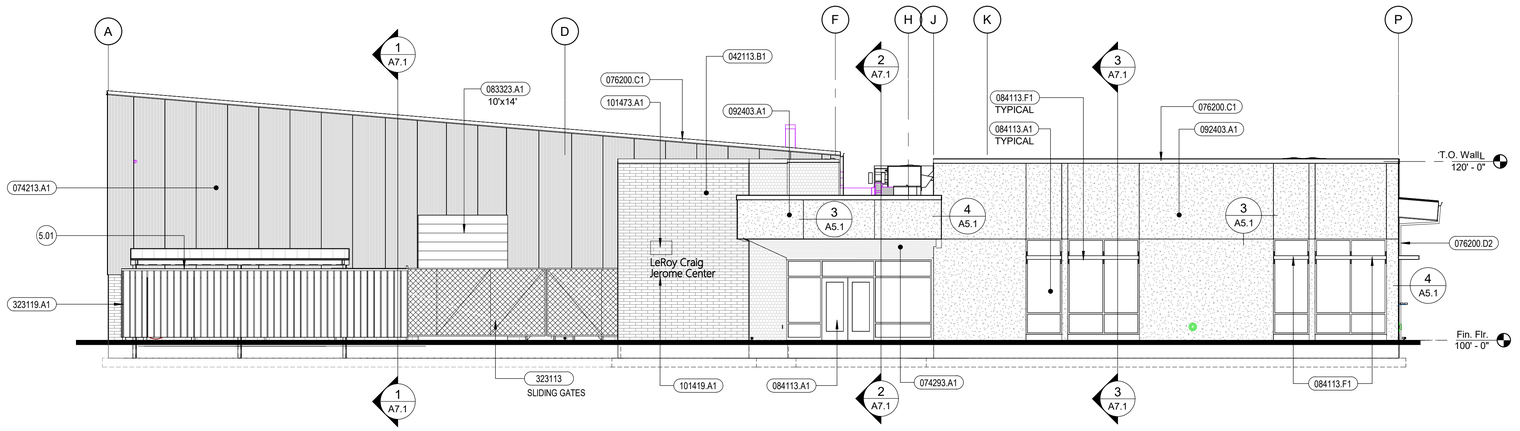
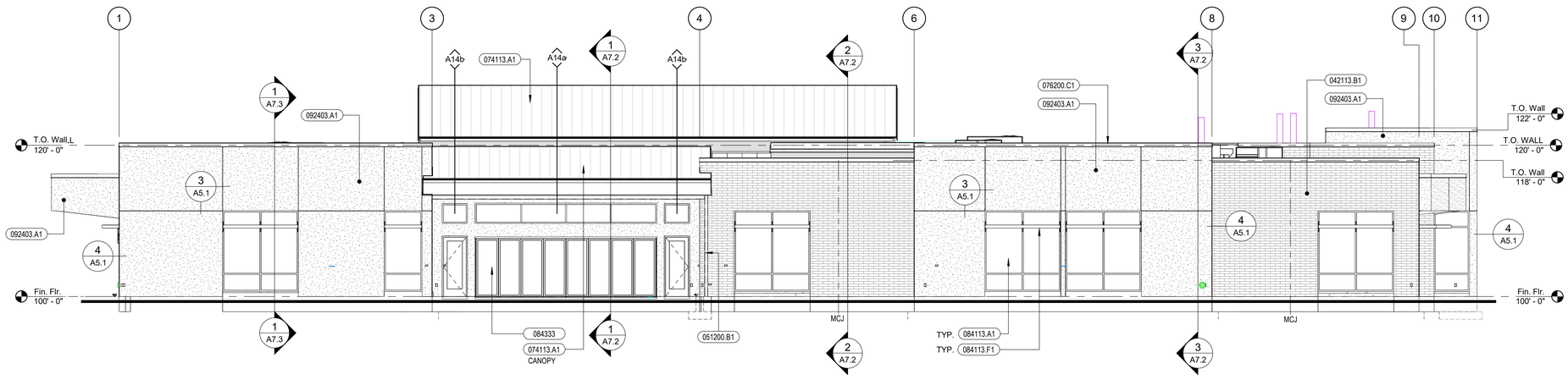
ELEVATIONS



1 WEST ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"

General Notes

1. SEE ROOF PLAN, SHEET A6.1 FOR PARAPET COPING AND ROOF FLASHING DETAIL REFERENCES.
2. PRIME AND PAINT IN ENTIRETY ALL ROOF TOP MECHANICAL ITEMS VISIBLE ABOVE TOP OF PARAPET ELEVATION. COLOR AS SELECTED BY THE ARCHITECT.
3. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.
4. ELEVATIONS MAY NOT INDICATE ALL REQUIRED PENETRATIONS THROUGH WALL AND ROOF ASSEMBLIES. ALL PENETRATIONS SHALL INCLUDE NECESSARY REINFORCING AND SEALANT ITEMS FOR A COMPLETE WATERTIGHT ASSEMBLY IN ACCORDACNCE WITH APPLICABLE MFR'S REQUIREMENTS.
5. PROVIDE BACKING AND BLOCKING FOR ALL WALL MOUNTED ITEMS AND EQUIPMENT. VERIFY BACKING AND BLOCKING REQUIREMENTS FOR OWNER PROVIDED ITEMS WITH THE OWNER PRIOR TO COVERING WALLS.
6. FINISH ALL EXPOSED PIPING, CONDUIT, AND DUCTS WITH APPROPRIATE HIGH-PERFORMANCE COATING.
7. INSTALL CONTROL JOINTS AS INDICATED ON ELEVATIONS - SEE STRUCTURAL. CONTRACTOR TO PROVIDE SUBMITTAL INDICATING LOCATION OF ALL CONTROL JOINTS. LOCATIONS MUST BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
8. EXTERIOR BUILDING LIGHTS ARE NOT LOCATED ON ELEVATIONS. CONTRACTOR TO PROVIDE SUBMITTAL INDICATING HEIGHTS AND LOCATIONS. LOCATIONS MUST BE APPROVED BY ARCHITECT PRIOR TO COMMENCING WORK.
9. METAL SIDING LOCATIONS ARE INDICATED ON ELEVATIONS - COORDINATE WITH DATUM ELEVATIONS AND WALL TYPES FOR LOCATIONS AND TYPES OF UNITS SPECIFIED.
10. DO NOT SCALE ELEVATIONS - DIMENSIONS ARE INDICATED ON PLANS - IF NO DIMENSIONS ARE INDICATED - VERIFY DIMENSIONS WITH ARCHITECT PRIOR TO COMMENCING WORK.

Reference Notes

5.01 FABRICATED STEEL CANOPY W/ STANDING SEAM METAL ROOFING

Keyed Notes

042113.B1	CLAY FACE (VENEER) BRICK, 4X4X16
051200.B1	STEEL COLUMN
074113.A1	METAL ROOF PANEL(S) - STANDING SEAM
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
076200.C1	PRE-FINISHED METAL COPING, 24 GA.
076200.D2	PRE-FINISHED DOWNSPOUT, 24 GA.
083323.A1	OVERHEAD COILING DOOR
084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
084113.F1	ALUMINUM SUNSHADE
084333	ALUMINUM FRAMED FOLDING GLASS STOREFRONT SYSTEM
092403.A1	7/8" STUCCO SYSTEM.
101419.A1	CAST ALUMINUM LETTERS
101473.A1	"CSI" LOGO, PAINTED SIGNAGE PANEL
323113	CHAIN LINK FENCES AND GATES
323119.A1	ARCHITECTURAL METAL PRIVACY FENCE SYSTEM.

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REGISTERED ARCHITECT
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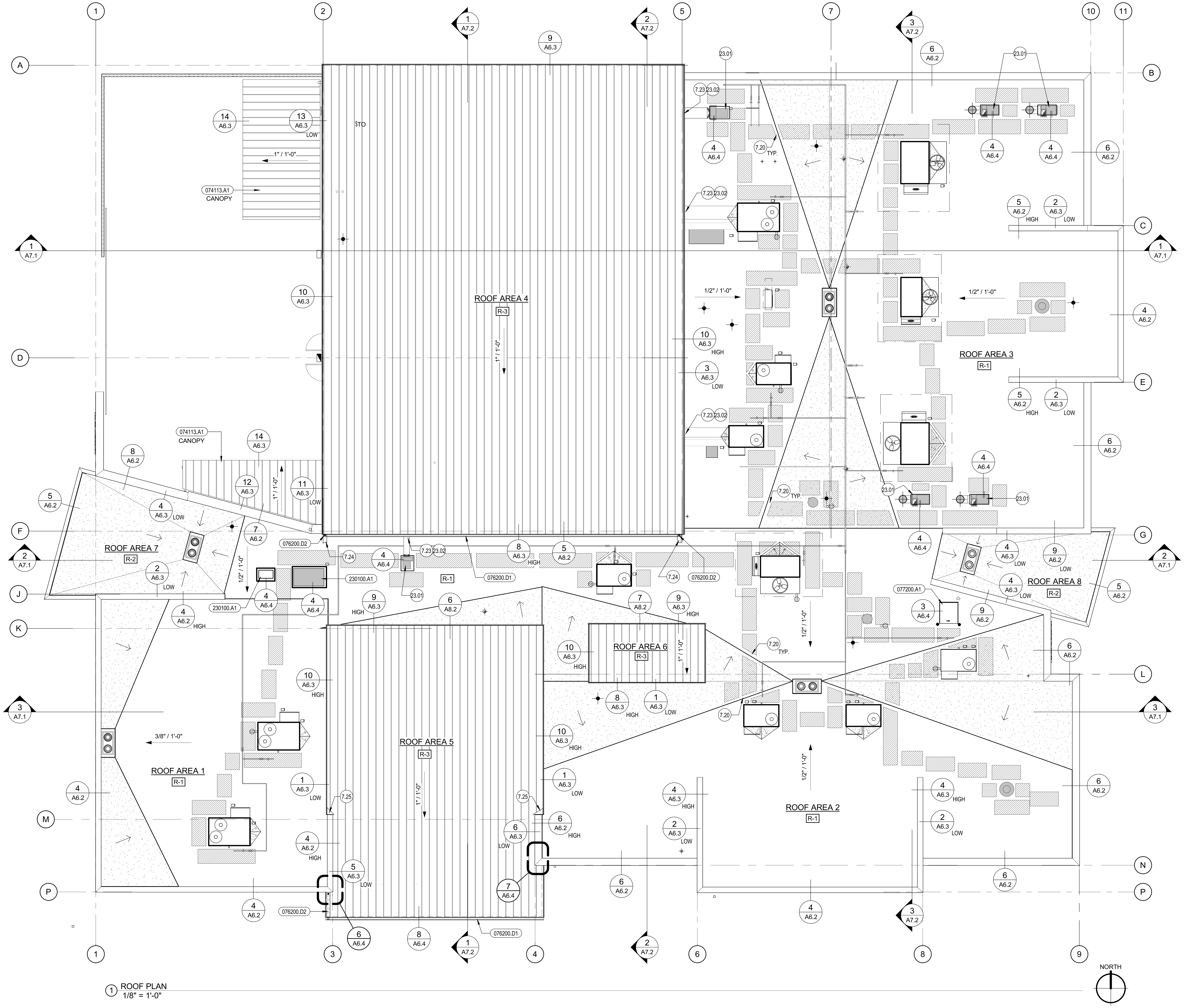
A5.2
ELEVATIONS



1 ROOF PLAN
1/8" = 1'-0"

General Notes

1. SEE SHEET A6.2 FOR ROOF TYPES.
2. ALL ROOF PENETRATING ITEMS NOT OTHERWISE INDICATED OR DETAILED SHALL BE FLASHED IN ACCORDANCE WITH ROOFING MFR'S. REQUIRMENTS.

Reference Notes

7.20	HOLD WALK TREAD MATERIAL MIN. 6" AWAY FROM CRICKET VALLEY FLOW LINES. TYPICAL
7.23	PROVIDE WATERTIGHT METAL WALL PENETRATION REINFORCING & SEALANTS IN ACCORDANCE W/ PANEL MFR'S. REQUIREMENTS. COORDINATE WITH DUCT INSTALLATION.
7.24	PROVIDE PRE-CAST CONCRETE SPLASH BLOCK PLACED ON ROOFING MEMBRANE MFR'S. WALKTREAD MATERIAL
7.25	DIVERTER, STANDING SEAM METAL
23.01	EXHAUST UNIT ON PLATFORM.
23.02	MECHANICAL WALL PENETRATION. PROVIDE WATER TIGHT FLASHING/COUNTER FLASHING SYSTEM AT INSULATED METAL WALL PANELS. COORDINATE WITH DIVISION 7 METAL WALL PANEL INSTALLATION REQUIREMENTS.

Keyed Notes

074113.A1	METAL ROOF PANEL(S) - STANDING SEAM
076200.D1	PRE-FINISHED METAL BOX GUTTER, 24 GA. 4X6
076200.D2	PRE-FINISHED DOWNSPOUT, 24 GA.
077200.A1	PRE-FABRICATED ROOF HATCH AND CURB WITH SAFETY RAILING SYSTEM
230100.A1	MECHANICAL ROOFTOP EQUIPMENT

Legend

ROOF TOP UNITS ON MFR. CURBS OF VARIOUS TYPES AND SIZES. FLASH PER 1/A6.4 2/A6.4

ROUND DUCT PENETRATION PER HVAC. FLASH IN ACCORDANCE WITH ROOFING MEMBRANE MFR'S. REQUIREMENTS.

ROOF DRAIN & OVERFLOW DRAIN. 5/A6.4

VTR PER PLUMBING. FLASH IN ACCORDANCE WITH ROOFING MFR'S. REQUIREMENTS.

ROOF MFR'S. STANDARD WALK TREAD MATERIAL

TAPERED INSULATION ROOF DRAINAGE CRICKETS. SLOPE 1/2" / 1' - 0" PLUS ROOF SLOPE

TAPERED INSULATION UNIT CRICKETS. SLOPE 1/4" / 1' - 0" PLUS ROOF SLOPE. PROVIDE AT ALL CURBED ITEMS EXCEEDING 3' - 0" IN LENGTH PERPENDICULAR TO ROOF SLOPE.

R-# SEE SHEET A-6.2 FOR ROOF TYPES.

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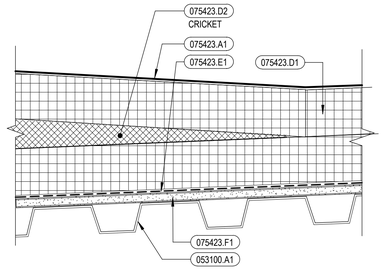
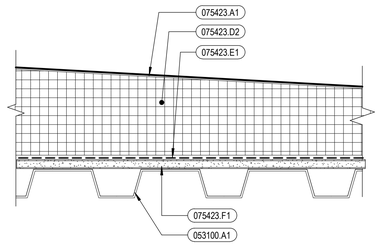
A6.1
ROOF PLAN



1 ROOF TYPE R-1
3" = 1'-0"



2 ROOF TYPE R-2
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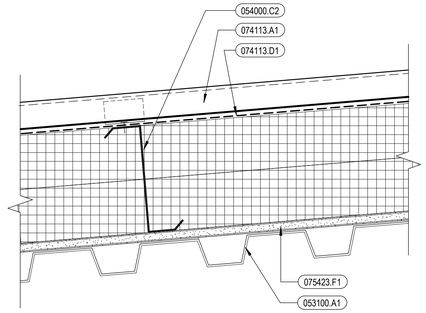

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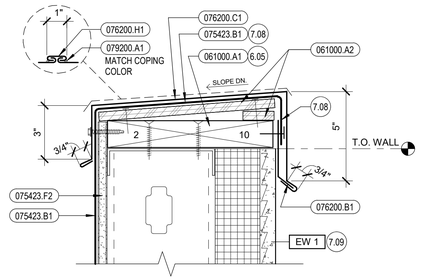
3" = 1'-0"



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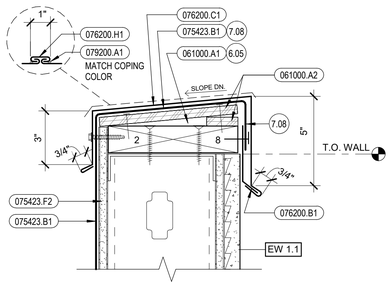
3" = 1'-0"



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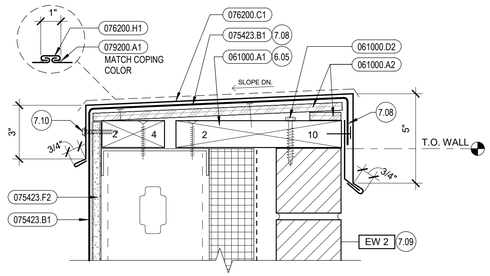

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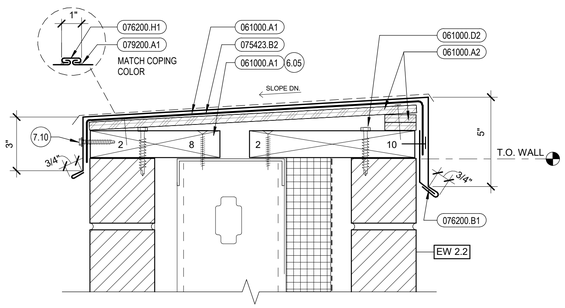

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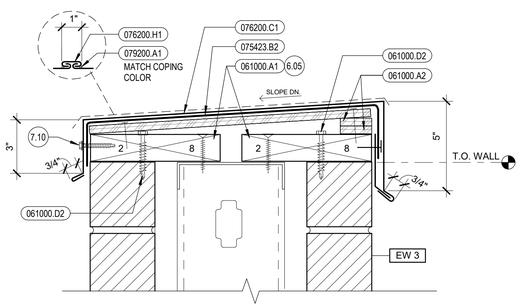

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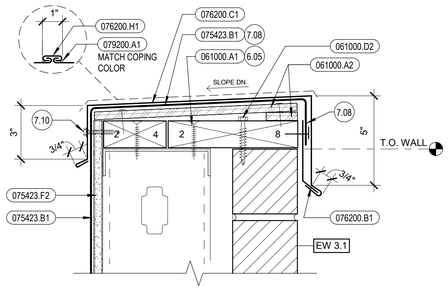

9 COPING DETAIL
3" = 1'-0"

Reference Notes

6.05	CONT. 2X NAILER(S). WIDTH AS SHOWN.
7.08	RUN TPO MEMB. FLASHING OVER TOP OF WALL & DOWN FACE. NAIL @ MAX. 9" O.C.
7.09	NOTE: DENS-DECK PRIME AND ROOFING MEMB. FLASHING AT PARAPET CONDITIONS
7.10	HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ 24" O.C. MAX. U.N.O.

Keyed Notes

053100.A1	STEEL ROOF DECK, 1 1/2", SEE STRUCTURAL
054000.C2	STEEL ZEE PURLINS 6", 16 GA. @ 48" O.C. U.N.O.
061000.A1	DIMENSION LUMBER
061000.A2	7/16" OSB CAP & SHIM FOR SLOPE.
061000.D2	FASTENER, TAPCON @ MAX. 24" O.C.
074113.A1	METAL ROOF PANEL(S) - STANDING SEAM
074113.D1	UNDERLAYMENT SHEETING
075423.A1	SINGLE-PLY ROOFING MEMBRANE - MECH. FASTENED TPO
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.B2	SA FLEXIBLE FLASHING
075423.D1	RIGID ROOF INSULATION - POLYISOCYANURATE, (2) LAYERS, 2.6". R-30 MIN.
075423.D2	TAPERED ROOF INSULATION
075423.E1	VAPOR RETARDER
075423.F1	DENS DECK, 1/2"
075423.F2	DENS DECK PRIME, 1/2"
076200.B1	CONTINUOUS CLEAT, 20 GA. GAVL.
076200.C1	PRE-FINISHED METAL COPING, 24 GA.
076200.H1	1" DRIVE-LOCK JOINT COVER WITH SEALANT EACH SIDE.
079200.A1	ONE PART SILICON SEALANT

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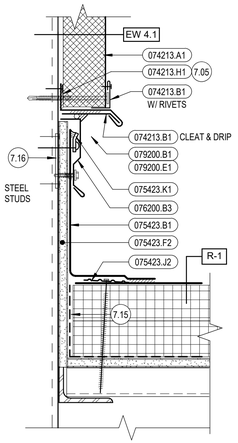
ROOF DETAILS



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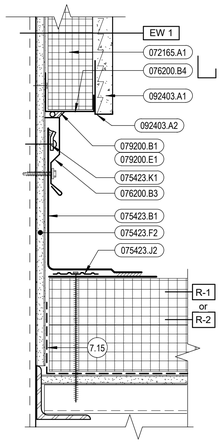

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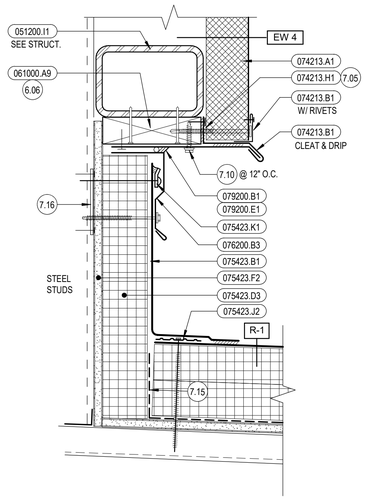
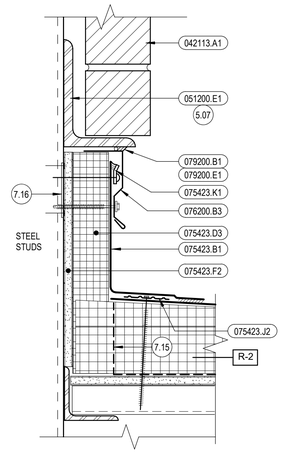


3 ROOFING DETAIL
3" = 1'-0"



4 ROOFING DETAIL
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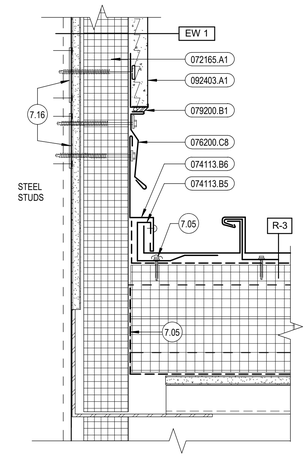
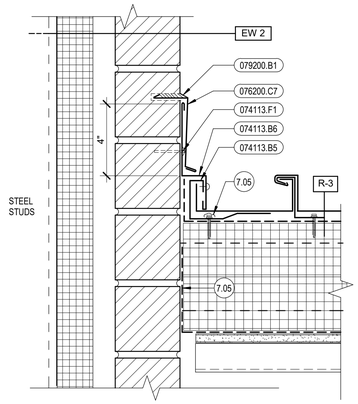


5 ROOFING DETAIL
3" = 1'-0"



6 ROOFING DETAIL
3" = 1'-0"

7 ROOFING DETAIL
3" = 1'-0"

8 ROOFING DETAIL
3" = 1'-0"

9 ROOFING DETAIL
3" = 1'-0"

10 ROOFING DETAIL
3" = 1'-0"

11 ROOFING DETAIL
3" = 1'-0"

12 ROOFING DETAIL
3" = 1'-0"

13 ROOFING DETAIL
3" = 1'-0"

14 ROOFING DETAIL
3" = 1'-0"

Reference Notes

5.07	STEEL ANGLE LEDGER. SEE STRUCTURAL
5.08	SHOT PIN TO END OF WF's
5.12	CLOSURE PLATE.
6.06	FASTEN NAILER TO HSS WITH (2) SHOT PINS AT MAX. 24" O.C.
7.05	APPLY SEALANTS AT ALL MFR'S. REQUIRED LOCATIONS
7.10	HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ 24" O.C. MAX. U.N.O.
7.15	TURN UP VAPOR RETARDER 4" MIN. 4" AND SEAL TO WALL AT PERIMETER, OF ROOF, CURB, OR PIPE WITH (2) TWO CONT. BEADS OF URETHANE SEALANT.
7.16	PROVIDE 18 GA. x 6" WIDE CONTINUOUS BACKER PLATE ON STUDS BEHIND TERM BAR, REGLET, OR FLASHING FASTENERS

Keyed Notes

042113.A1	CLAY STRUCTURAL BRICK, 8X4X16
051200.E1	STEEL ANGLE
051200.I1	STEEL TUBE
053100.A2	STEEL ROOF DECK, DOVETAIL , 3 1/5", SEE STRUCTURAL
054000.B5	STEEL CEE EDGE MEMBER, 6", 16 GA. CONTINUOUS FULL PERIMETER
054000.B7	CONT. STEEL STUD, 3 5/8", 18 GA. (362S162-43)
054000.C2	STEEL ZEE PURLINS 6", 16 GA. @ 48" O.C. U.N.O.
054000.C3	STEEL SUPPORT. 16 GA. BENT PLATE AS REQ'D.
061000.A9	2X6 P.T. CONTINUOUS NAILER
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
074113.A1	METAL ROOF PANEL(S) - STANDING SEAM
074113.B1	METAL ROOFING EDGE CLEAT
074113.B2	METAL ROOFING RAKE TRIM & CONT. CLEAT
074113.B3	METAL ROOFING HIGH EAVE TRIM & CONT. CLEAT. NOTE: ATTACH CLEAT AT 9" O.C. W/ MFR. APPROVED FASTENERS
074113.B4	METAL ROOFING 18 GA. CONTINUOUS PANEL END SUPPORT.
074113.B5	METAL ROOFING RECEIVER TRIM
074113.B6	METAL ROOFING RAKE WALL TRIM
074113.B7	METAL ROOFING 'Z' CLOSURE
074113.B8	METAL ROOFING PRE-FINISHED PITCH BREAK. 6"
074113.B9	METAL ROOFING EAVE FLASHING
074113.B10	METAL ROOFING LARGE GUTTER.
074113.D1	UNDERLAYMENT SHEETING
074113.D4	BUTYL TAPE
074113.F1	DRIVE-PINS @ 16" O.C. MAX.
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
074213.B1	METAL WALL PANEL TRIM
074213.C2	STAINLESS STEEL HIDDEN FASTENER CLIP
074213.H1	BUTYL SEALANT
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.D3	RIGID ROOF INSULATION - POLYISOCYANURATE, (1) LAYER, 2.6"
075423.F2	DENS DECK PRIME, 1/2"
075423.J2	TYPICAL PERIMETER FASTENERS
075423.K1	TERMINATION BAR W/ SEALANT
076200.B1	CONTINUOUS CLEAT, 20 GA. GAVL.
076200.B3	GALV. METAL COUNTERFLASHING WITH HEMMED DRIP, 18 GA. , W/ HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ 9" O.C.
076200.B4	GALV. METAL BASE FLASHING, 18 GA.
076200.C5	CONT. PRE-FINISHED METAL CLEAT, 24 GA. FASTEN WITH COLOR MATCHING HEX HEAD FASTENERS W/ NEOPRENE WASHERS @12" O.C.
076200.C6	PRE-FINISHED METAL BASE FLASHING W/ HEMMED DRIP. 24 GA.
076200.C7	PRE-FINISHED COUNTERFLASHING W/ HEMMED DRIP. 24 GA. SAWCUT INTO BRICK.
076200.C8	PRE-FINISHED METAL COUNTERFLASHING W/ HEMMED DRIP. 24 GA. FASTEN WITH COLOR MATCHING HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ MAX. 16" O.C.
079200.B1	ONE PART URETHANE SEALANT
079200.E1	FOAM BACKER ROD
092403.A1	7/8" STUCCO SYSTEM.
092403.A2	STUCCO DRIP SCREED

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Revisions Description	Date	#

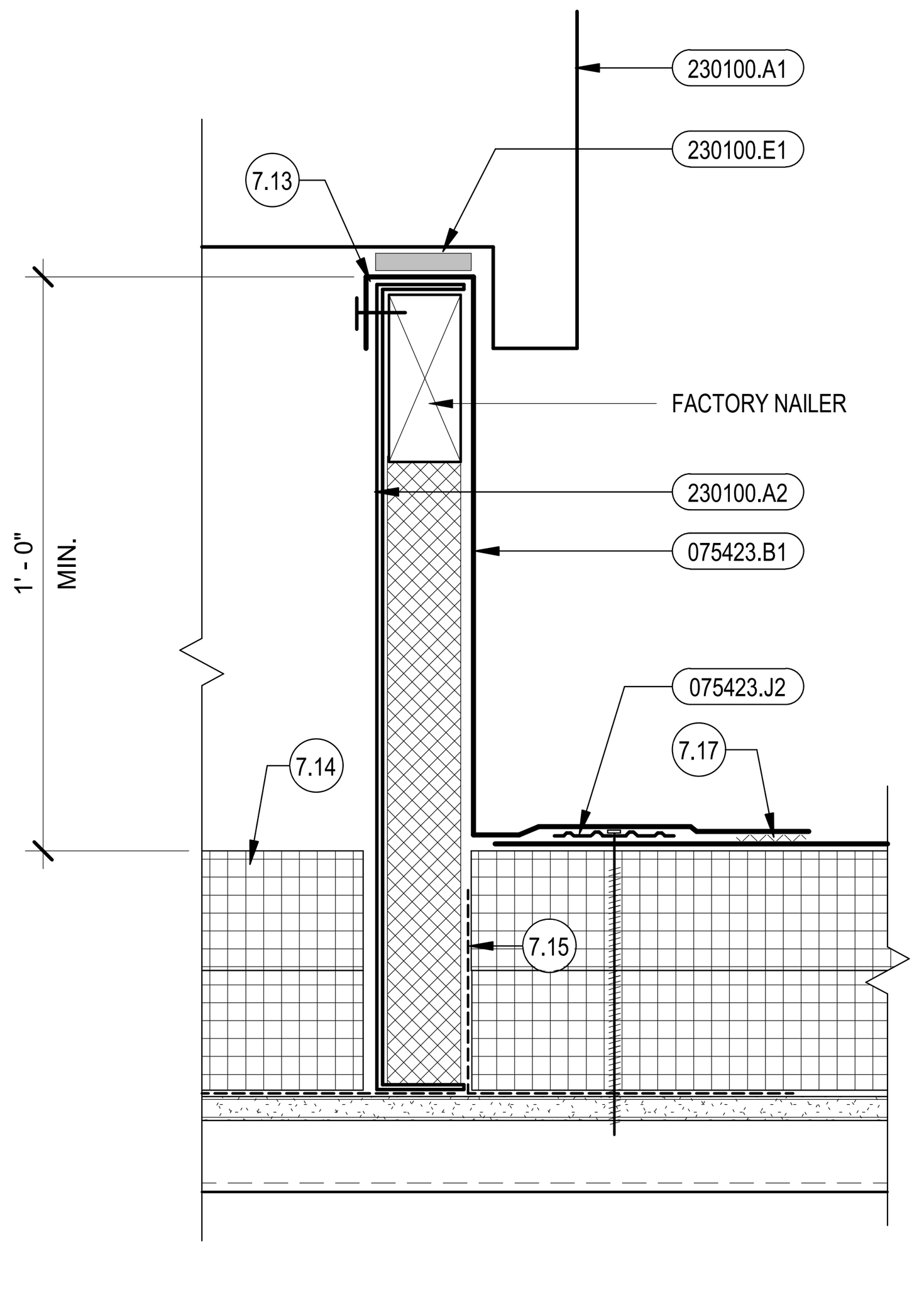
CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219

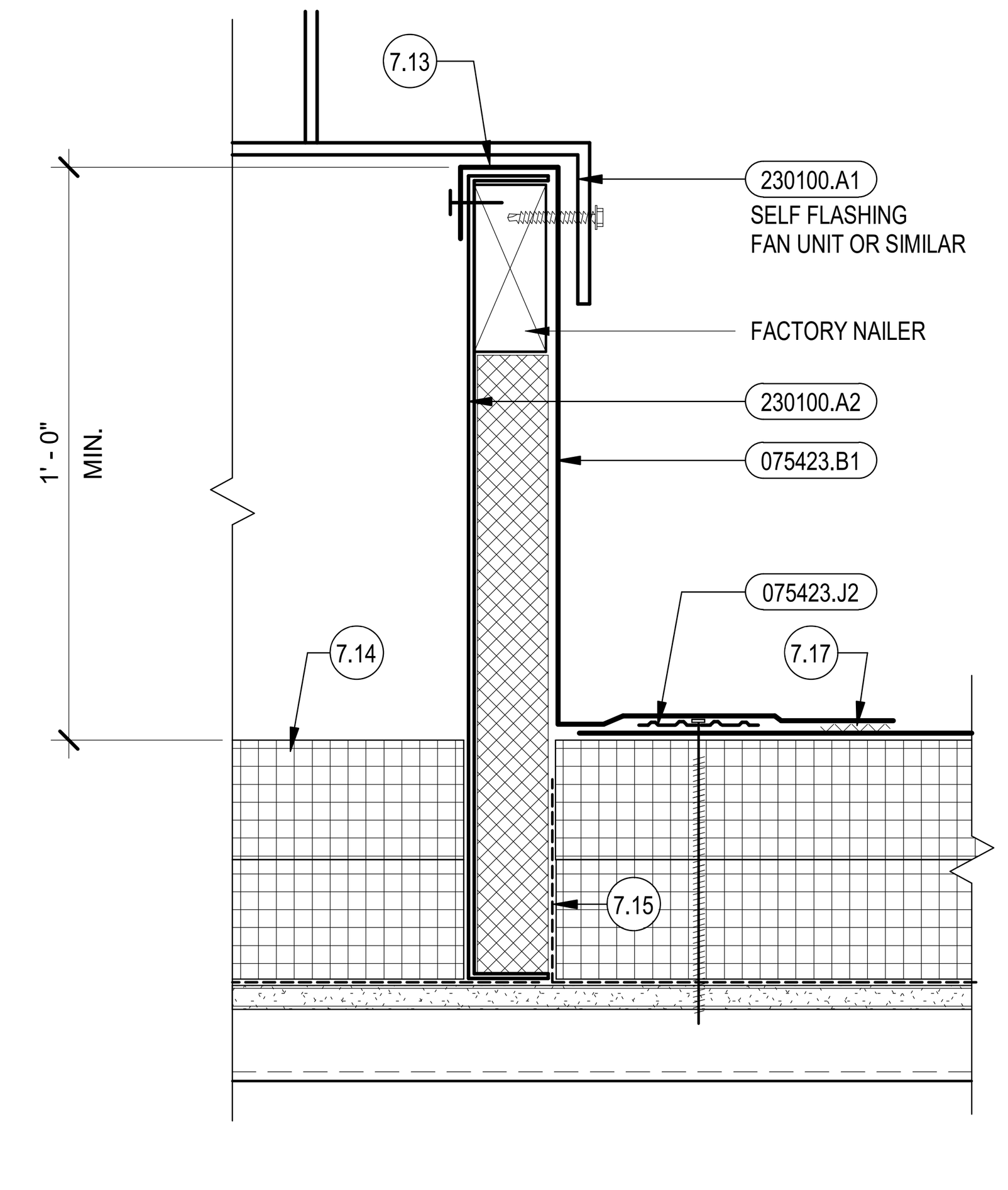
DRAWN BY: GB
CHECKED BY: RP

BID SET

DRAWING NO.:
A6.3
ROOF DETAILS



1 MECHANICAL CURB
3" = 1'-0"



2 MECHANICAL CURB
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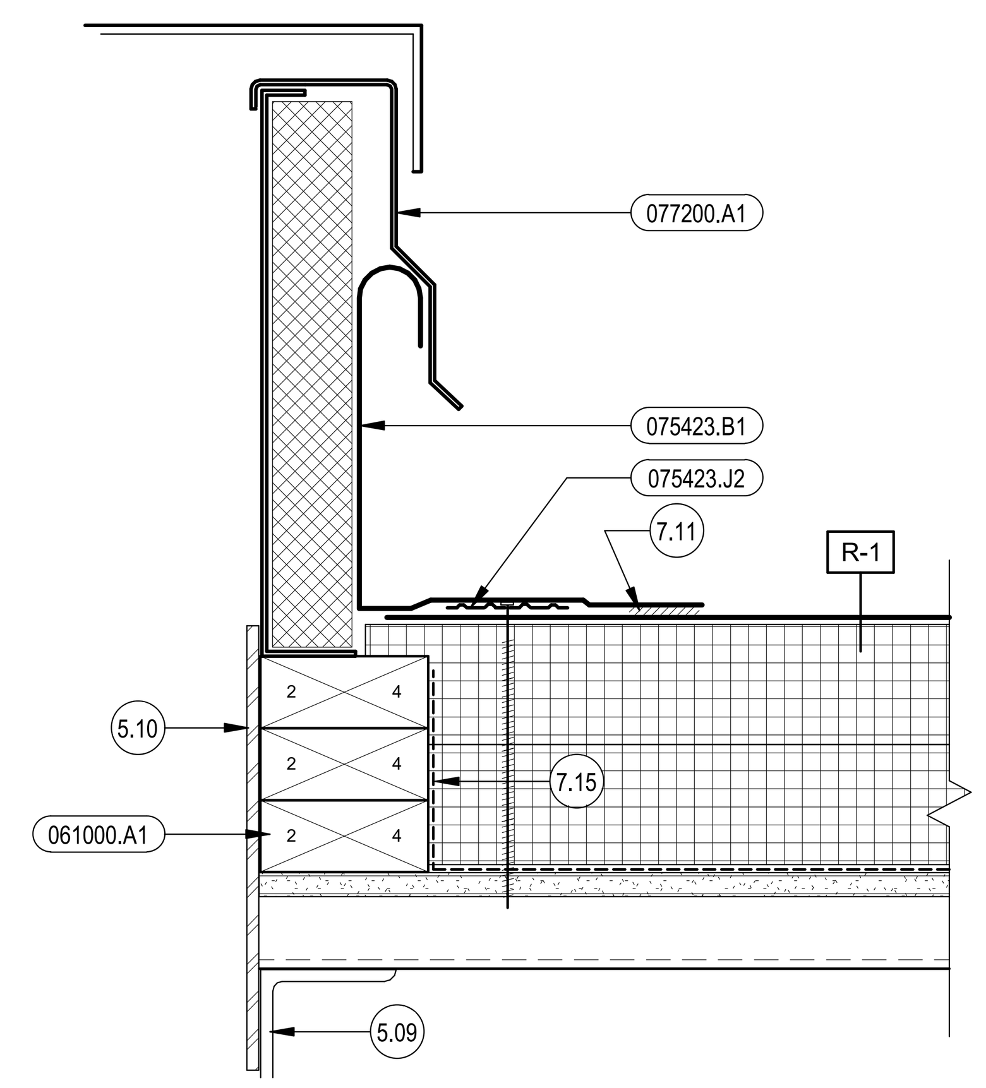
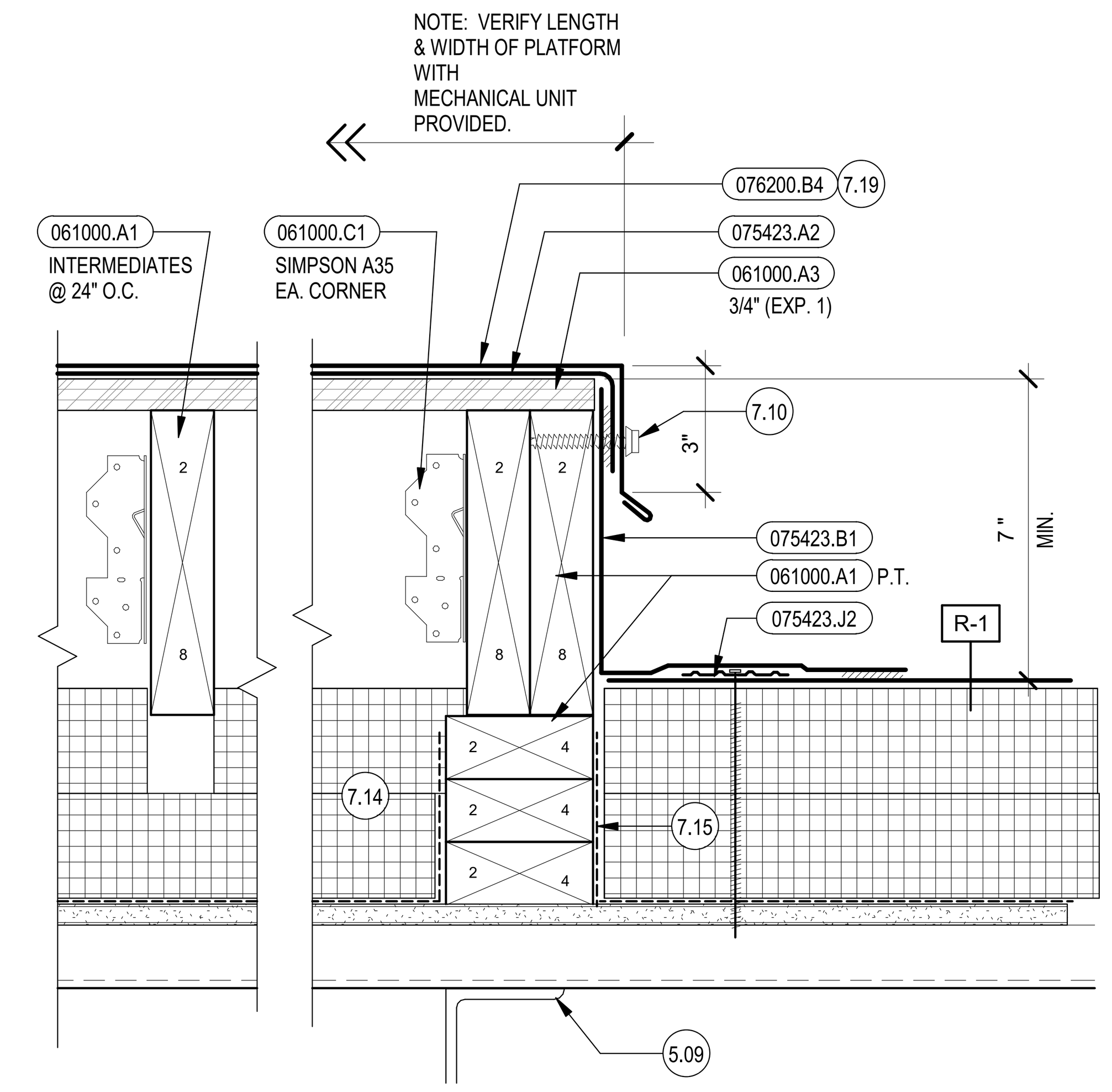
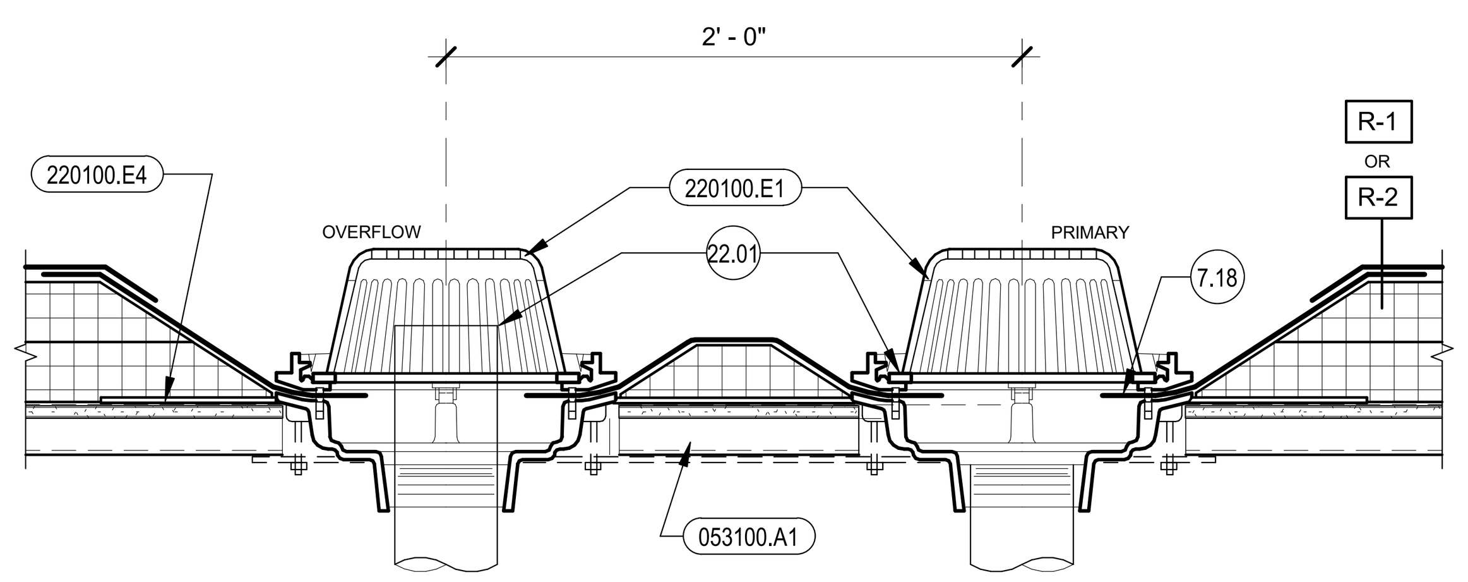


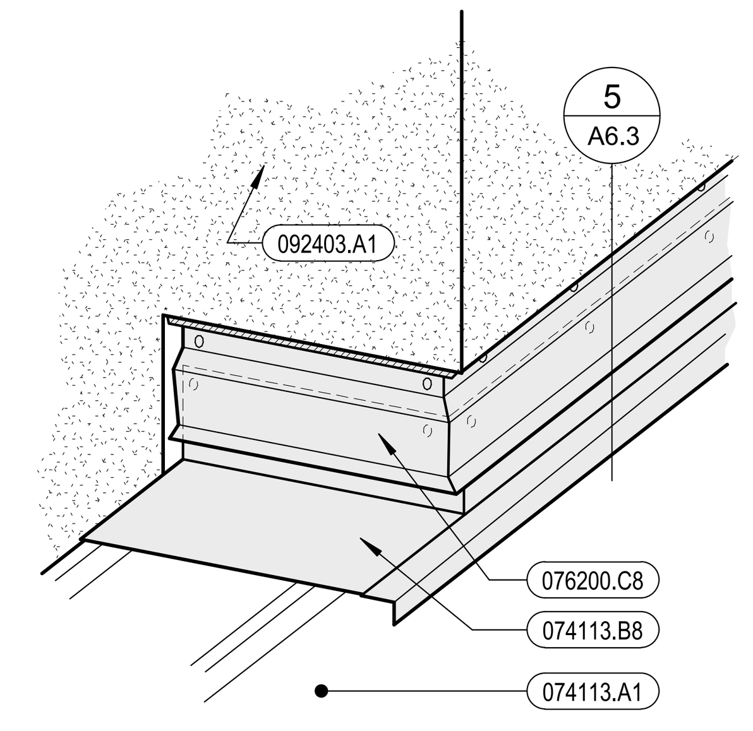
3 ROOF HATCH CURB
3" = 1'-0"



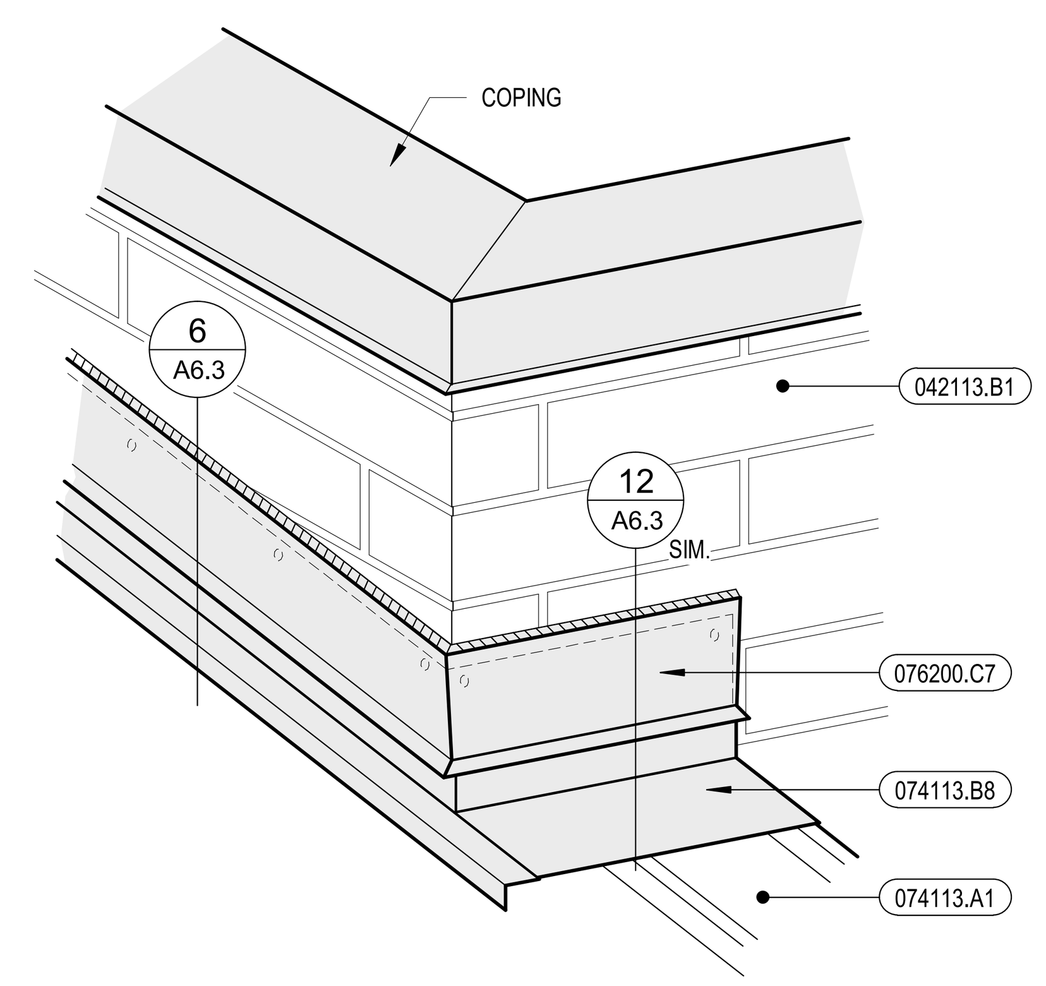
4 ROOF UNIT PLATFORM
3" = 1'-0"



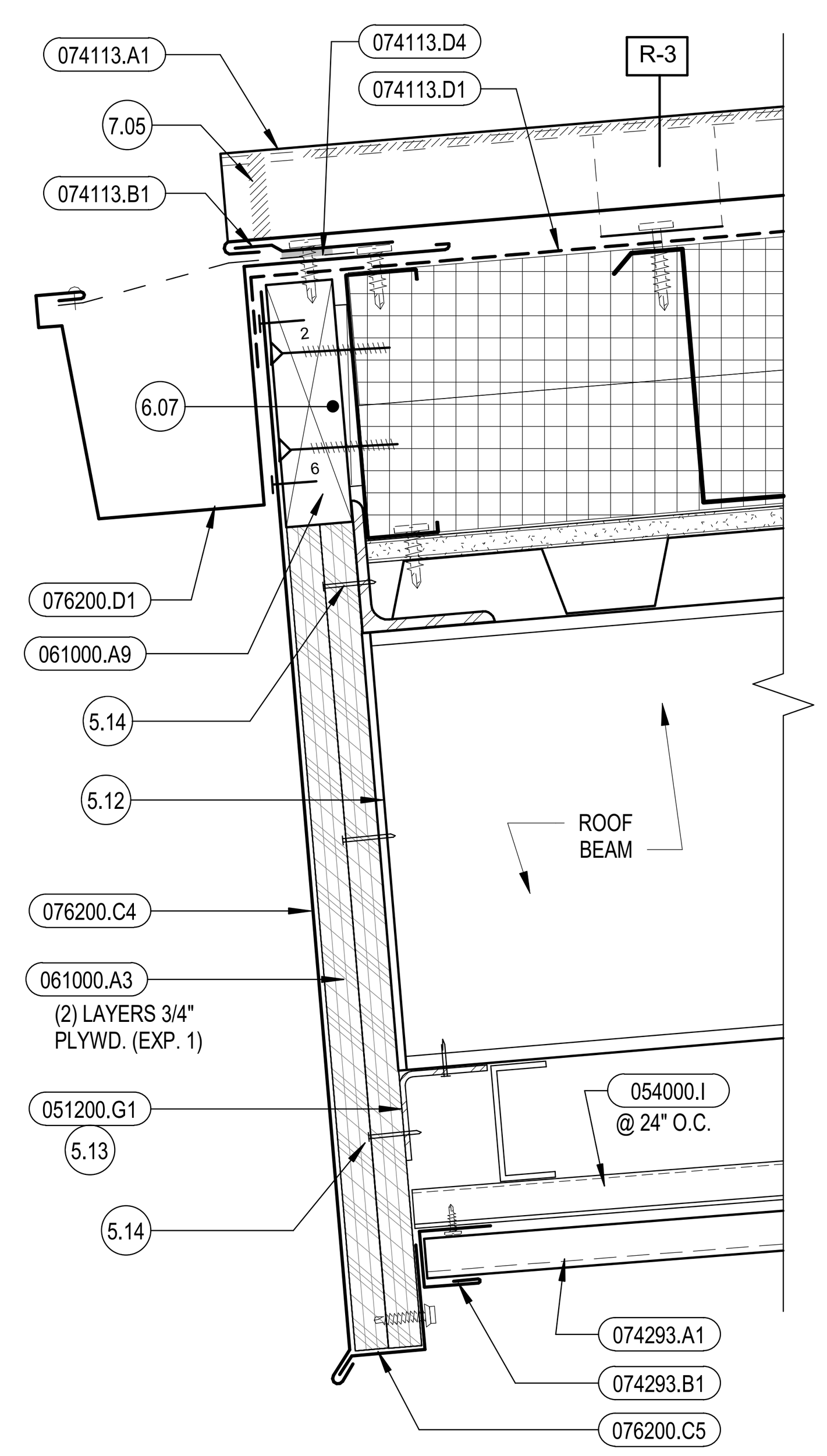
5 ROOF DRAIN SECTION
1 1/2" = 1'-0"



6 ROOFING DETAIL
N.T.S.



7 ROOFING DETAIL
N.T.S.



8 CANOPY FASCIA DETAIL
3" = 1'-0"

Reference Notes

5.09	STRUCTURE FOR ROOF OPENING.
5.10	1/4" PERIMETER PLATE. SEE STRUCTURAL
5.12	CLOSURE PLATE.
5.13	CONTINUOUS 2"X 2"X 3/16" BENT PLATE SHOT PIN TO BEAM.
5.14	FASTEN PLYWD. WITH SHOT PINS @ 16"
6.07	SHIM AS REQUIRED
7.05	APPLY SEALANTS AT ALL MFR'S. REQUIRED LOCATIONS
7.10	HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ 24" O.C. MAX. U.N.O.
7.11	NOTE: PROVIDE 2.5" POLYISO INSULATION FULL HEIGHT IN EACH STUD CAVITY.
7.13	RUN MEMBRANE FLASHING OVER TOP OF CURB & FASTEN
7.14	CONTINUE TYPICAL ROOFTOP INSULATION INTO ALL VOIDS UNDER UNIT.
7.15	TURN UP VAPOR RETARDER 4" MIN. 4" AND SEAL TO WALL AT PERIMETER, OF ROOF, CURB, OR PIPE WITH (2) TWO CONT. BEADS OF URETHANE SEALANT.
7.17	HEAT WELD
7.18	INSTALL MEMB. PER MFR.
7.19	18 GA. ONE-PIECE SOLDERED PLATFORM CAP W/ HEMMED DRIPS
22.01	TOP OF OVERFLOW PIPE SHALL BE HELD AT 2" ABOVE THE DROP INVERT OF PRIMARY DRAIN.

Keyed Notes

042113.B1	CLAY FACE (VENEER) BRICK, 4X4X16
051200.G1	STEEL PLATE
053100.A1	STEEL ROOF DECK, 1 1/2", SEE STRUCTURAL
054000.I	FURRING HAT CHANNEL - 7/8"
061000.A1	DIMENSION LUMBER
061000.A3	PLYWD. SHEATHING, (TYPE AND THICKNESS INDICATED)
061000.A9	2X6 P.T. CONTINUOUS NAILER
061000.C1	FRAMING HARDWARE
074113.A1	METAL ROOF PANEL(S) - STANDING SEAM
074113.B1	METAL ROOFING EDGE CLEAT
074113.B8	METAL ROOFING PRE-FINISHED PITCH BREAK. 6"
074113.D1	UNDERLAYMENT SHEETING
074113.D4	BUTYL TAPE
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
074293.B1	METAL SOFFIT PANEL TRIM, PRE-FINISHED
075423.A2	SINGLE-PLY ROOFING MEMBRANE -FULLY ADHERED
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.J2	TYPICAL PERIMETER FASTENERS
076200.B4	GALV. METAL BASE FLASHING, 18 GA.
076200.C4	PRE-FINISHED METAL FASCIA, 24 GA.
076200.C5	CONT. PRE-FINISHED METAL CLEAT, 24 GA. FASTEN WITH COLOR MATCHING HEX HEAD FASTENERS W/ NEOPRENE WASHERS @12" O.C.
076200.C7	PRE-FINISHED COUNTERFLASHING W/ HEMMED DRIP, 24 GA. SAWCUT INTO BRICK.
076200.C8	PRE-FINISHED METAL COUNTERFLASHING W/ HEMMED DRIP, 24 GA. FASTEN WITH COLOR MATCHING HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ MAX. 16" O.C.
076200.D1	PRE-FINISHED METAL BOX GUTTER, 24 GA. 4X6
077200.A1	PRE-FABRICATED ROOF HATCH AND CURB WITH SAFETY RAILING SYSTEM
092403.A1	7/8" STUCCO SYSTEM.
220100.E1	ROOF DRAIN
220100.E4	RECEIVER
230100.A1	MECHANICAL ROOFTOP EQUIPMENT
230100.A2	UNIT MFR'S. INSULATED FACTORY CURB W/ NAILERS
230100.E1	NEOPRENE GASKET, CONTINUOUS

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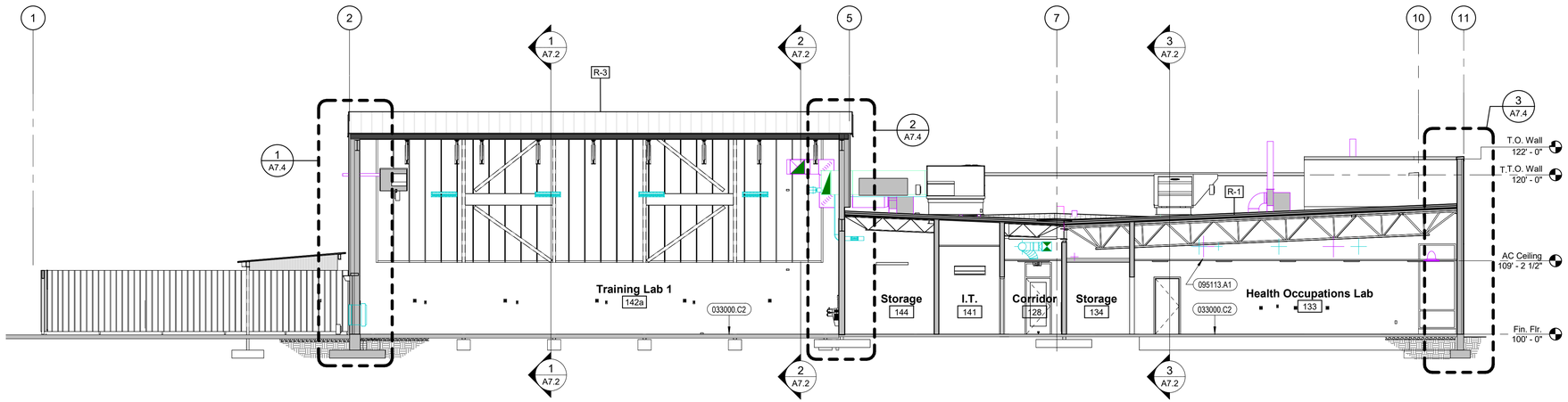
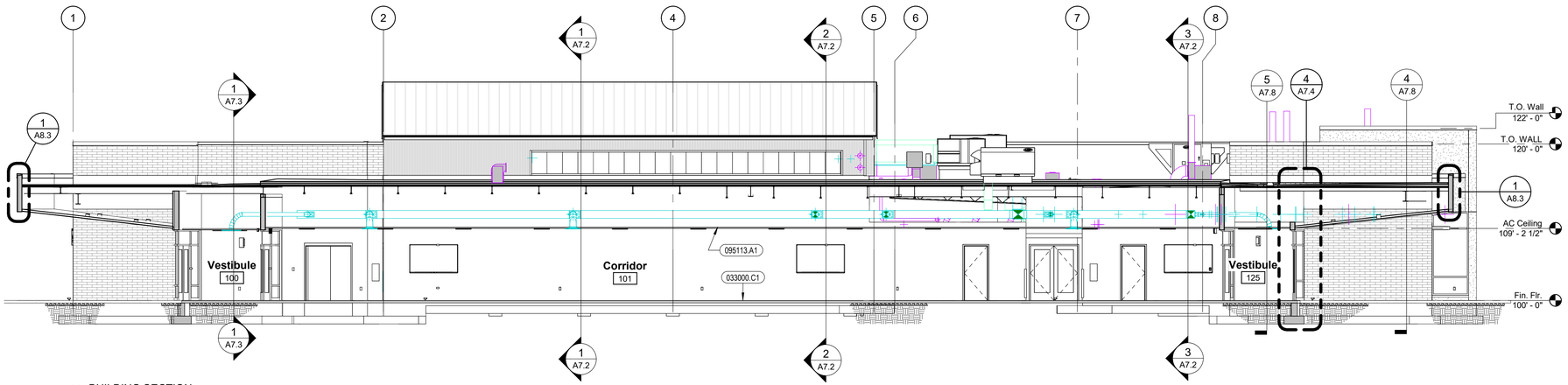
A6.4
ROOF DETAILS



1 BUILDING SECTION
1/8" = 1'-0"



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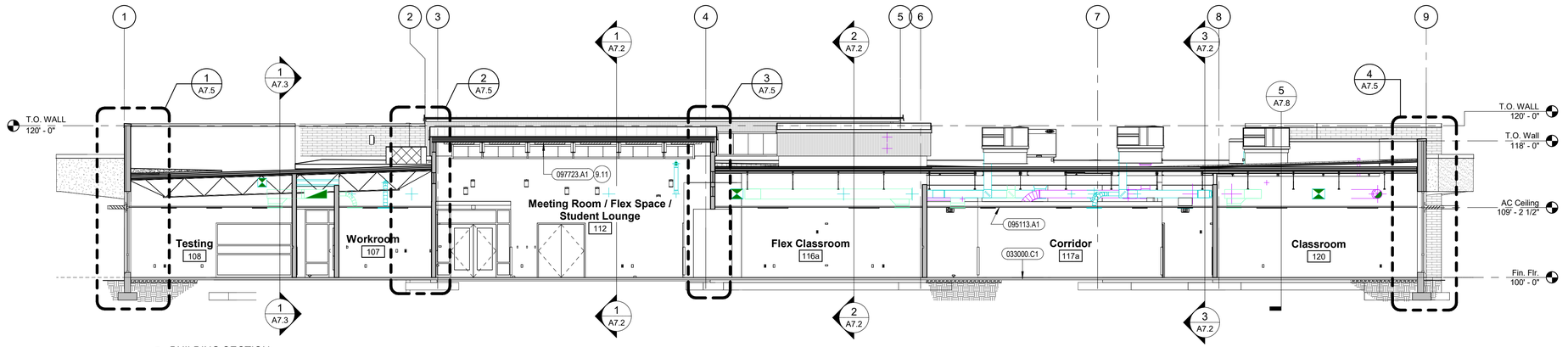

3 BUILDING SECTION
1/8" = 1'-0"

General Notes

1. SEE STRUCTURAL FOR SLAB-ON-GRADE AND FOOTINGS & FOUNDATION REQUIREMENTS AND FTG. ELEVATIONS.
2. SEE STRUCTURAL FOR COLUMN, JOIST, BEAM, AND HEADER SIZES.
3. SEE FLOOR PLANS AND SHEET A8.1 FOR WALL TYPES.
4. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.

Reference Notes

9.11 (5) 4'XS' ACOUSTIC PANELS PER BAY BETWEEN BEAMS EQUALLY SPACED MOUNTED TO UNDERSIDE OF STEEL ROOF DECK.

Keyed Notes

033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
033000.C2	CONCRETE FLOOR SLAB-ON-GRADE, 6"
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS
097723.A1	FABRIC WRAPPED ACOUSTICAL PANEL(S)

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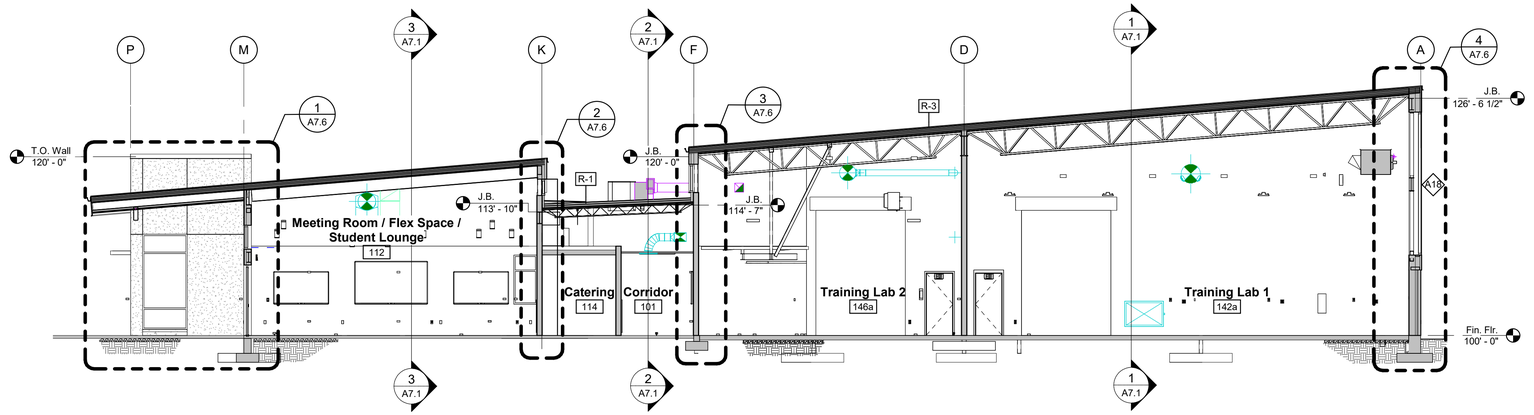
A7.1

BUILDING SECTIONS



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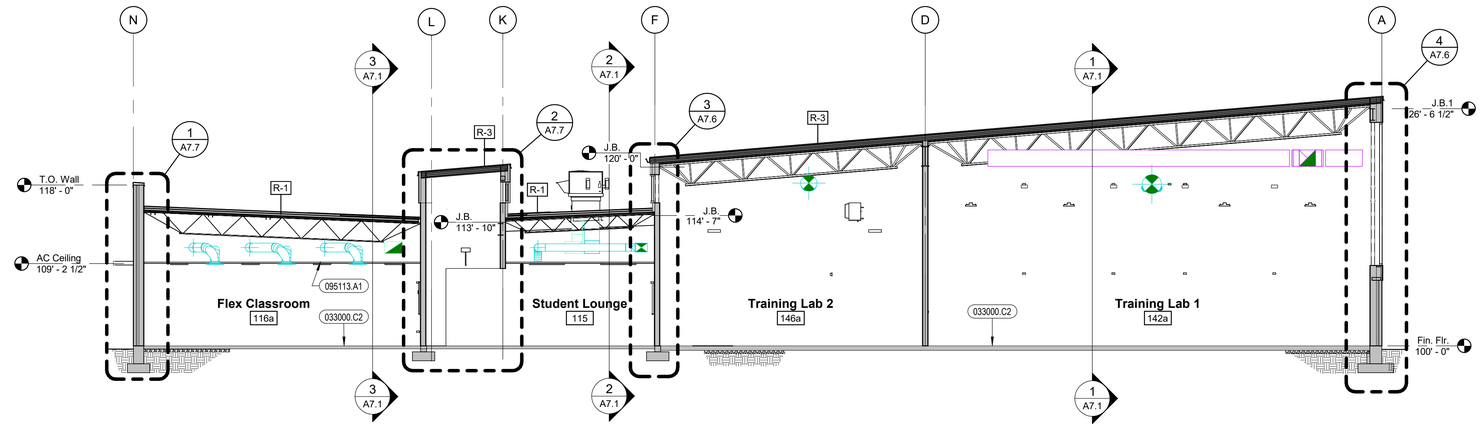
1/8" = 1'-0"



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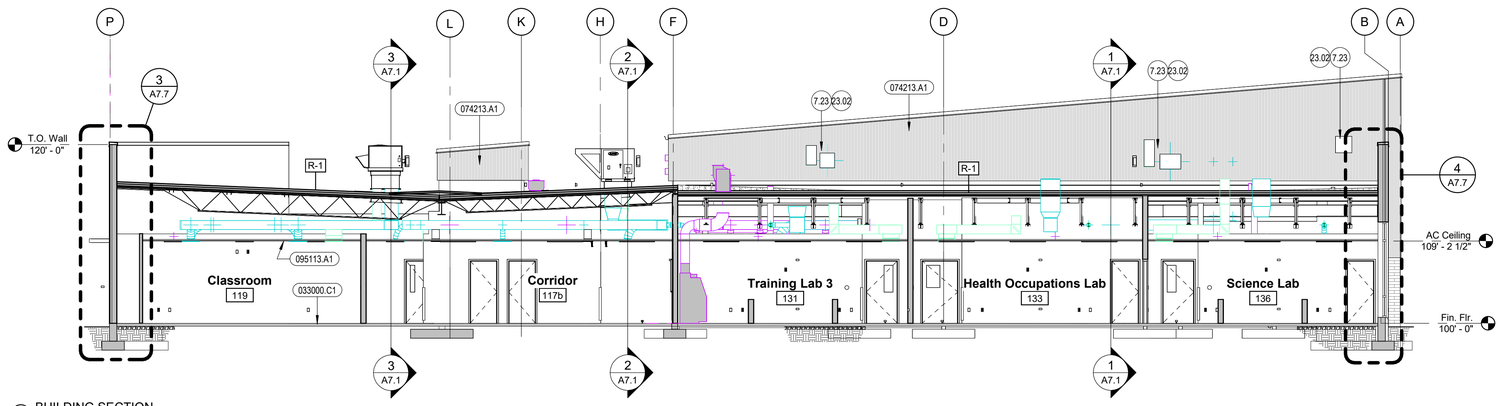

3 BUILDING SECTION
1/8" = 1'-0"

General Notes

1. SEE STRUCTURAL FOR SLAB-ON-GRADE AND FOOTINGS & FOUNDATION REQUIREMENTS AND FTG. ELEVATIONS.
2. SEE STRUCTURAL FOR COLUMN, JOIST, BEAM, AND HEADER SIZES.
3. SEE FLOOR PLANS AND SHEET A8.1 FOR WALL TYPES.
4. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.

Reference Notes

7.23	PROVIDE WATERTIGHT METAL WALL PENETRATION REINFORCING & SEALANTS IN ACCORDANCE W/ PANEL MFR'S. REQUIREMENTS. COORDINATE WITH DUCT INSTALLATION.
23.02	MECHANICAL WALL PENETRATION. PROVIDE WATER TIGHT FLASHING/COUNTER FLASHING SYSTEM AT INSULATED METAL WALL PANELS. COORDINATE WITH DIVISION 7 METAL WALL PANEL INSTALLATION REQUIREMENTS.

Keyed Notes

033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
033000.C2	CONCRETE FLOOR SLAB-ON-GRADE, 6"
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS

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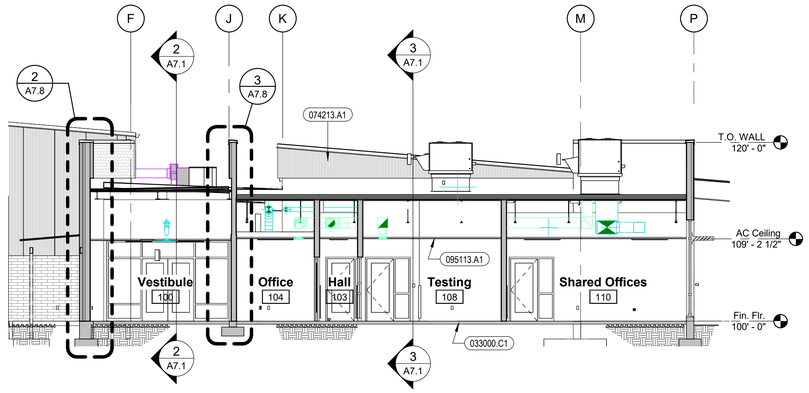
A7.2
BUILDING SECTIONS



1 BUILDING SECTION
1/8" = 1'-0"

General Notes

1. SEE STRUCTURAL FOR SLAB-ON-GRADE AND FOOTINGS & FOUNDATION REQUIREMENTS AND FTG. ELEVATIONS.
2. SEE STRUCTURAL FOR COLUMN, JOIST, BEAM, AND HEADER SIZES.
3. SEE FLOOR PLANS AND SHEET A8.1 FOR WALL TYPES.
4. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.

Keyed Notes

033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS

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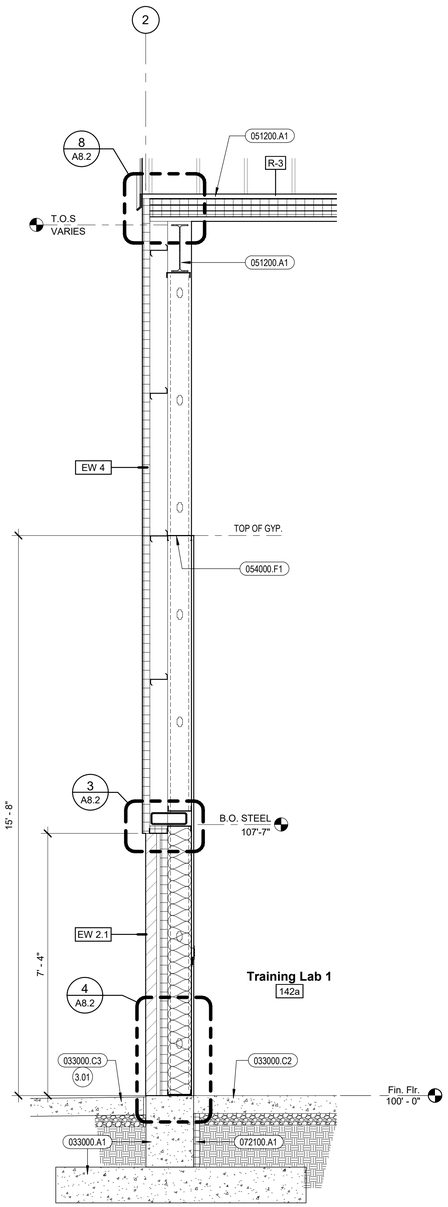
DRAWING NO.:
A7.3
BUILDING SECTION



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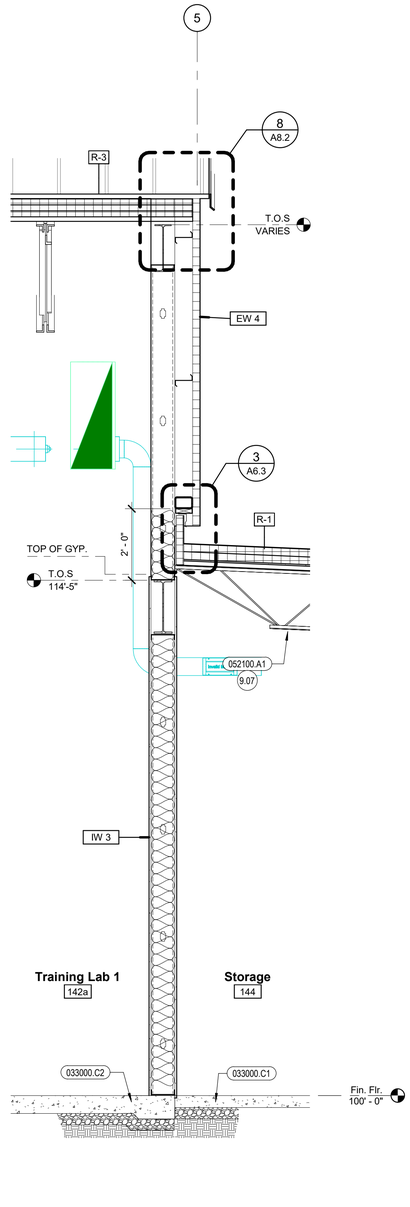

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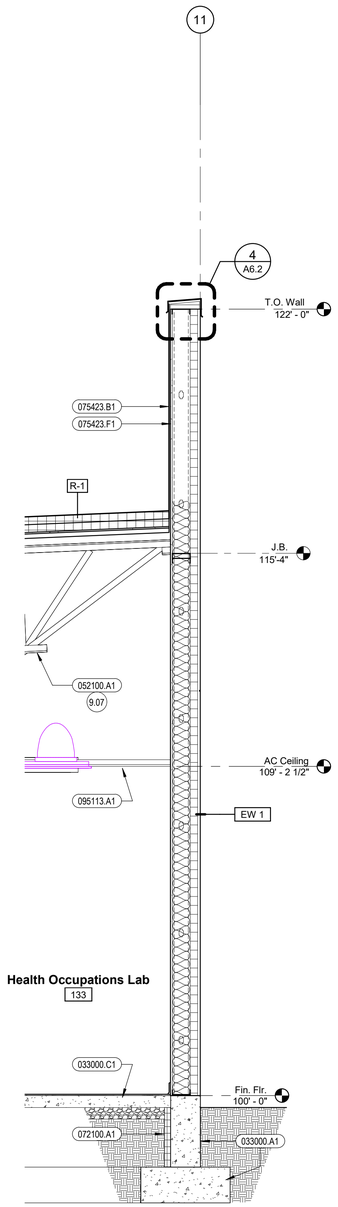

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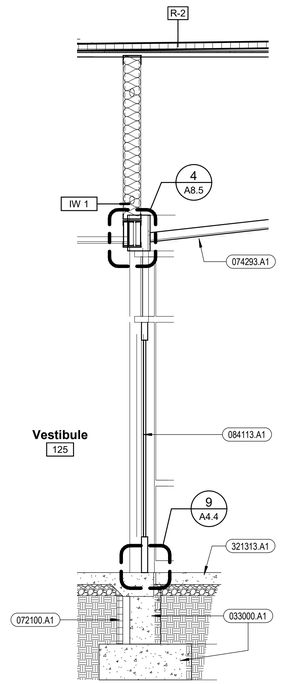

4 WALL SECTION
1/2" = 1'-0"

General Notes

1. SEE STRUCTURAL FOR SLAB-ON-GRADE AND FOOTINGS & FOUNDATION REQUIREMENTS AND FTG. ELEVATIONS.
2. SEE STRUCTURAL FOR COLUMN, JOIST, BEAM, AND HEADER SIZES.
3. SEE FLOOR PLANS AND SHEET A8.1 FOR WALL TYPES.
4. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.

Reference Notes

3.01	SEE CIVIL DRAWING FOR ALL EXTERIOR CONC. FLATWORK
9.07	PAINT ALL EXPOSED STRUCTURAL STEEL.

Keyed Notes

033000.A1	CONCRETE FOOTING & FOUNDATION WALL. SEE STRUCTURAL
033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
033000.C2	CONCRETE FLOOR SLAB-ON-GRADE, 6"
033000.C3	CONCRETE SLAB-ON-GRADE (EXTERIOR), 4"
051200.A1	STEEL BEAM
052100.A1	OPEN WEB STEEL ROOF JOIST(S)
054000.F1	STEEL CEE BLOCKING
072100.A1	FOUNDATION / WALL INSULATION - EXTRUDED POLYSTYRENE, 2" U.N.O.
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.F1	DENS DECK, 1/2"
084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS
321313.A1	4" CONCRETE SIDEWALK. SEE CIVIL

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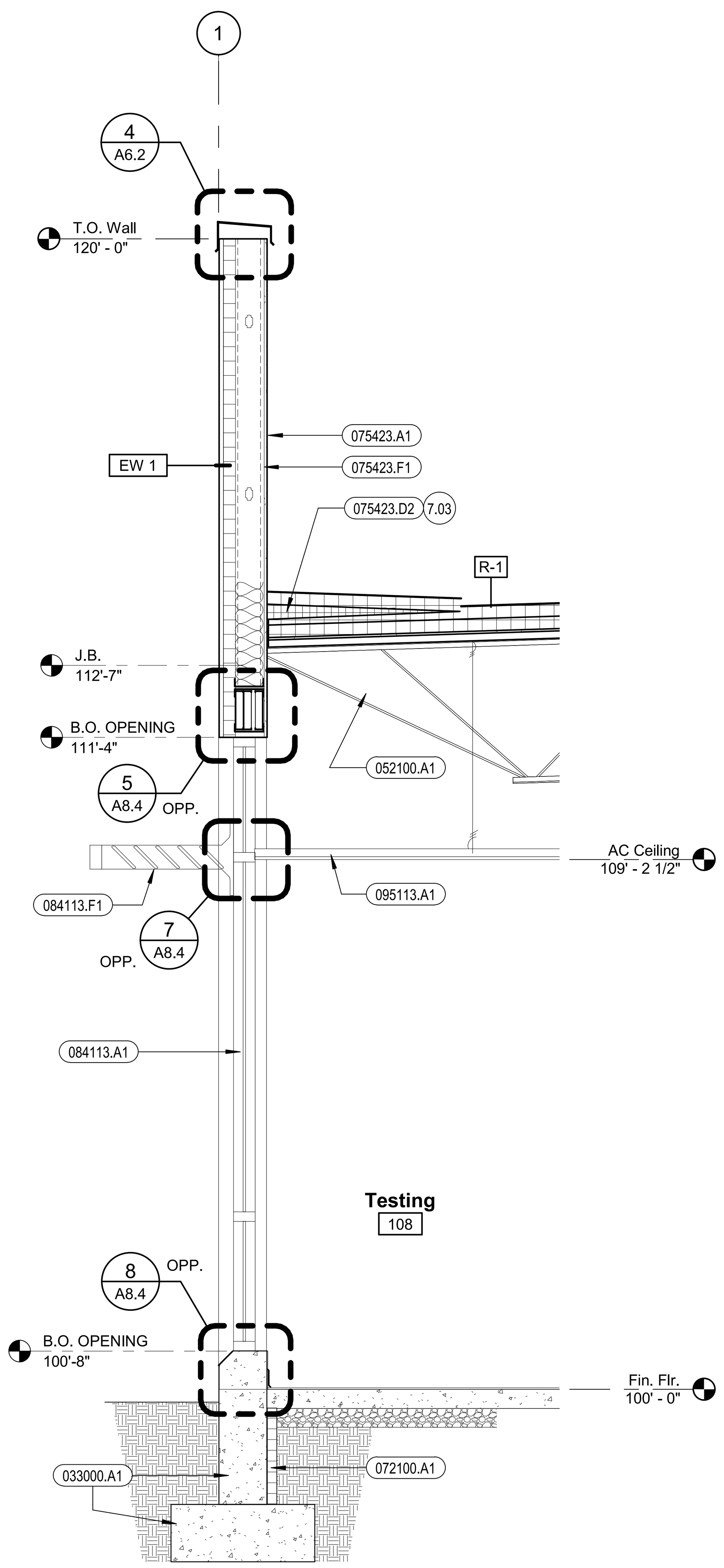
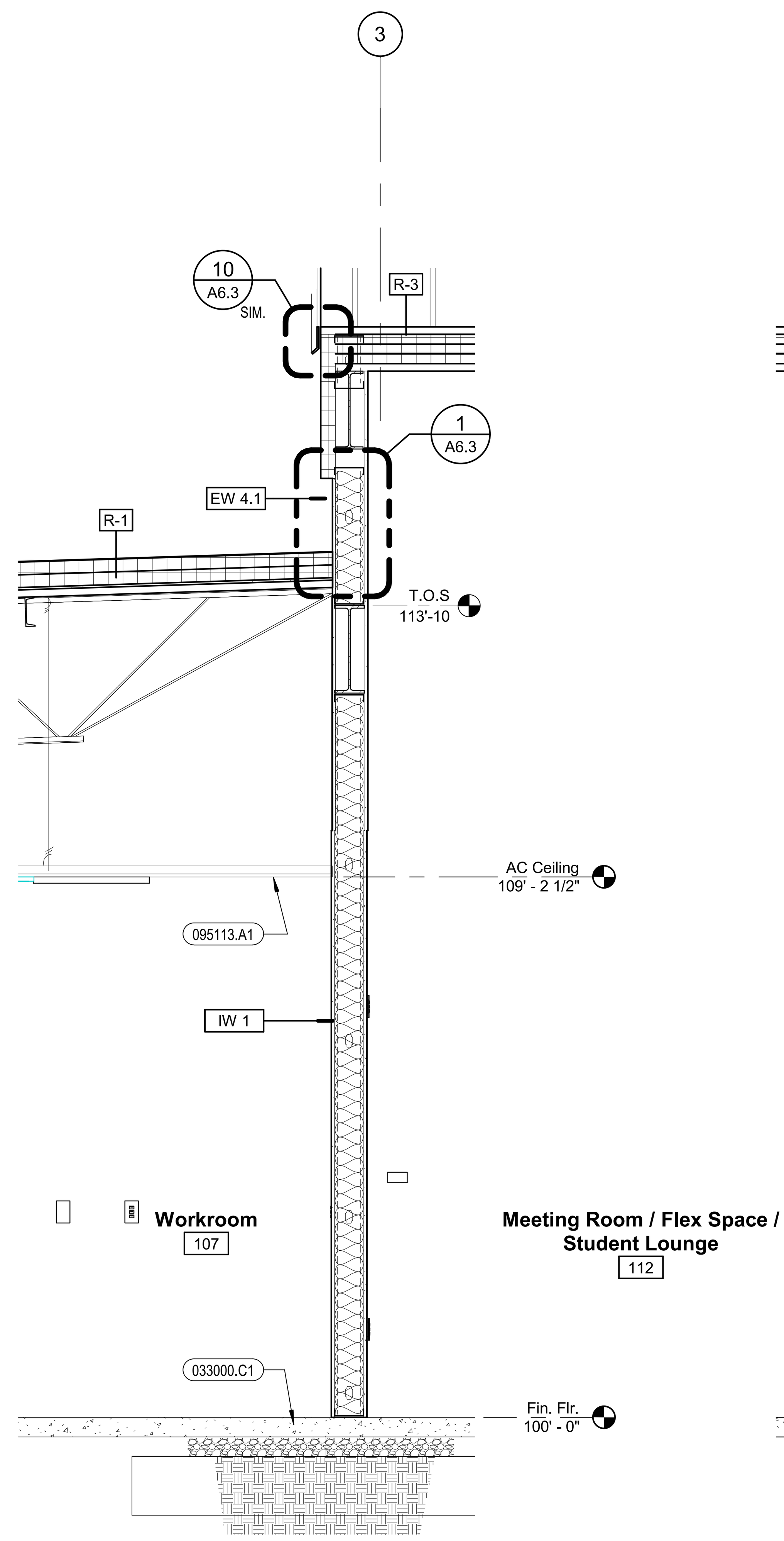
A7.4
WALL SECTIONS



1 WALL SECTION
1/2" = 1'-0"



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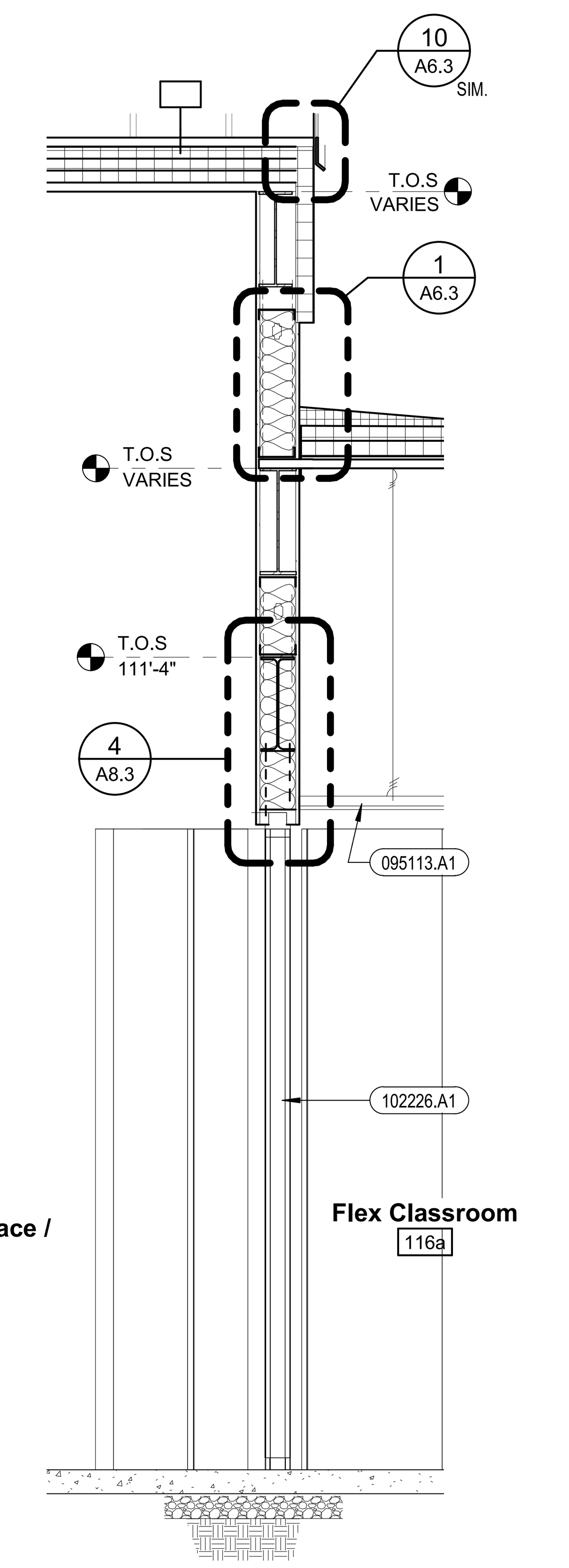

3 WALL SECTION
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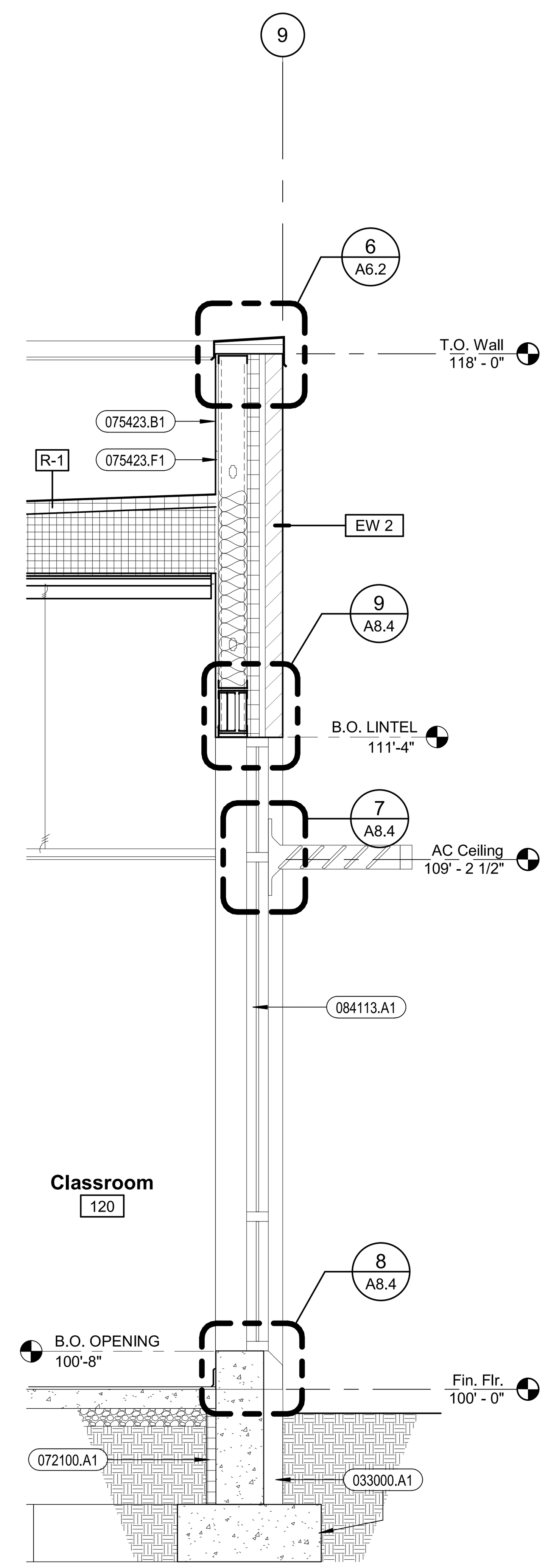

4 WALL SECTION
1/2" = 1'-0"

General Notes

1. SEE STRUCTURAL FOR SLAB-ON-GRADE AND FOOTINGS & FOUNDATION REQUIREMENTS AND FTG. ELEVATIONS.
2. SEE STRUCTURAL FOR COLUMN, JOIST, BEAM, AND HEADER SIZES.
3. SEE FLOOR PLANS AND SHEET A8.1 FOR WALL TYPES.
4. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.

Reference Notes

7.03	TAPERED INSULATION CRICKET WHERE OCCURS. SEE ROOF PLAN.

Keyed Notes

033000.A1	CONCRETE FOOTING & FOUNDATION WALL. SEE STRUCTURAL
033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
052100.A1	OPEN WEB STEEL ROOF JOIST(S)
072100.A1	FOUNDATION / WALL INSULATION - EXTRUDED POLYSTYRENE, 2" U.N.O.
075423.A1	SINGLE-PLY ROOFING MEMBRANE - MECH. FASTENED TPO
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.D2	TAPERED ROOF INSULATION
075423.F1	DENS DECK, 1/2"
084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
084113.F1	ALUMINUM SUNSHADE
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS
102226.A1	OPERABLE PARTITION SYSTEM

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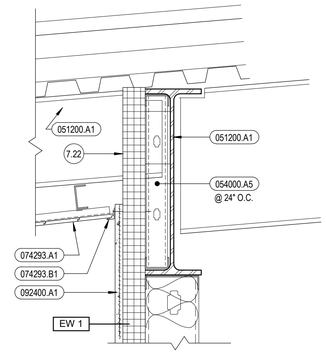
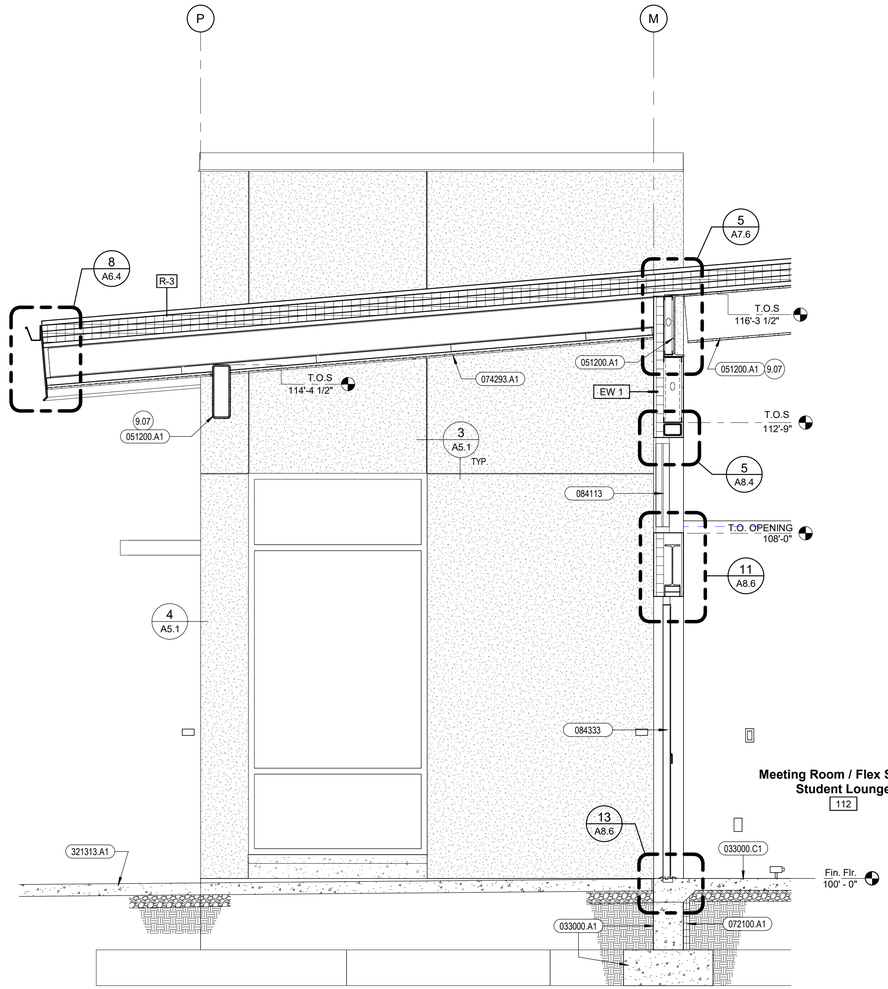
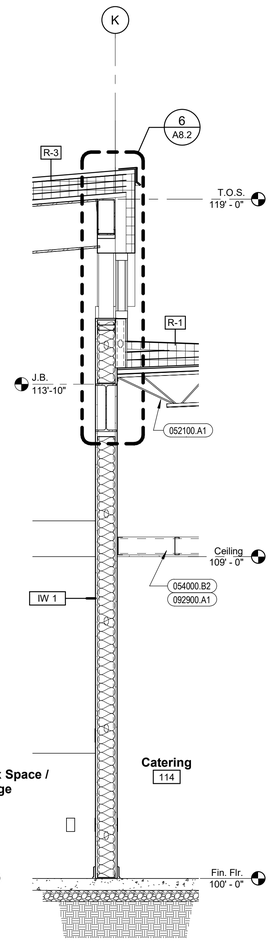
A7.5
WALL SECTIONS



5 WALL DETAIL
1 1/2" = 1'-0"



1 WALL SECTION
1/2" = 1'-0"



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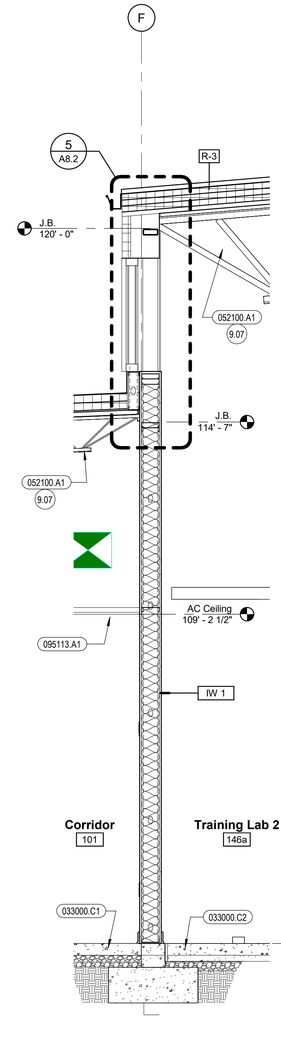
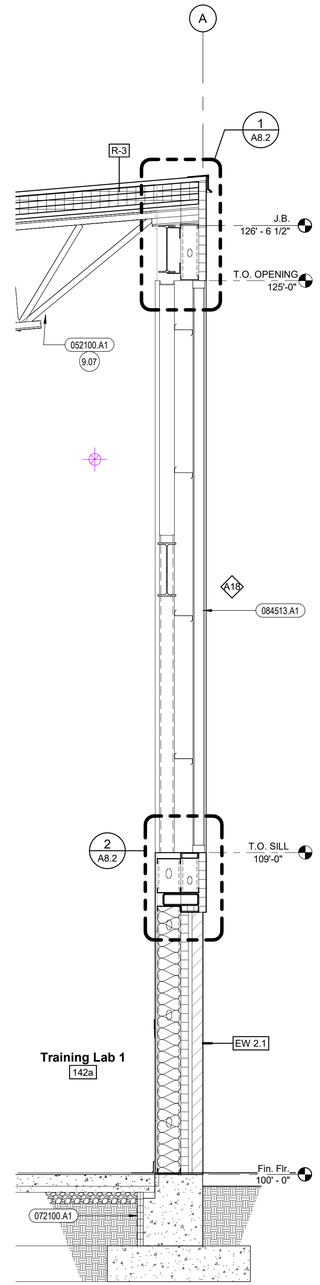


3 WALL SECTION
1/2" = 1'-0"



4 WALL SECTION
1/2" = 1'-0"

General Notes

1. SEE STRUCTURAL FOR SLAB-ON-GRADE AND FOOTINGS & FOUNDATION REQUIREMENTS AND FTG. ELEVATIONS.
2. SEE STRUCTURAL FOR COLUMN, JOIST, BEAM, AND HEADER SIZES.
3. SEE FLOOR PLANS AND SHEET A8.1 FOR WALL TYPES.
4. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.

Reference Notes

7.22	SCRIBE INSULATION BD. AROUND STEEL BEAM
9.07	PAINT ALL EXPOSED STRUCTURAL STEEL.

Keyed Notes

033000.A1	CONCRETE FOOTING & FOUNDATION WALL. SEE STRUCTURAL
033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
033000.C2	CONCRETE FLOOR SLAB-ON-GRADE, 6"
051200.A1	STEEL BEAM
052100.A1	OPEN WEB STEEL ROOF JOIST(S)
054000.A5	STEEL STUD(S) 2-1/5", 18 GA. @ 16" O.C., U.N.O. (250S125-43)D
054000.B2	STEEL CEE JOIST 6", 16 GA. @ 16" O.C., U.N.O.
072100.A1	FOUNDATION / WALL INSULATION - EXTRUDED POLYSTYRENE, 2" U.N.O.
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
074293.B1	METAL SOFFIT PANEL TRIM, PRE-FINISHED
084113	ALUMINUM FRAMED ENTRANCES AND STOREFRONTS
084333	ALUMINUM FRAMED FOLDING GLASS STOREFRONT SYSTEM
084513.A1	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 4.25" SYSTEM
092400.A1	EXTERIOR PORTLAND CEMENT STUCCO SYSTEM, 7/8"
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS
321313.A1	4" CONCRETE SIDEWALK. SEE CIVIL

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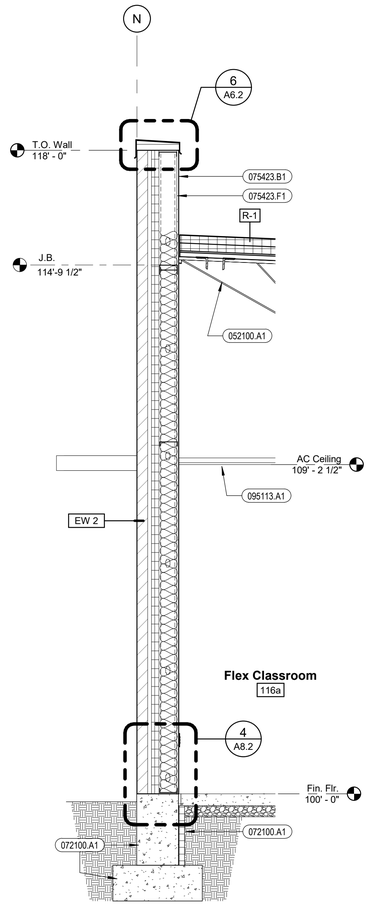
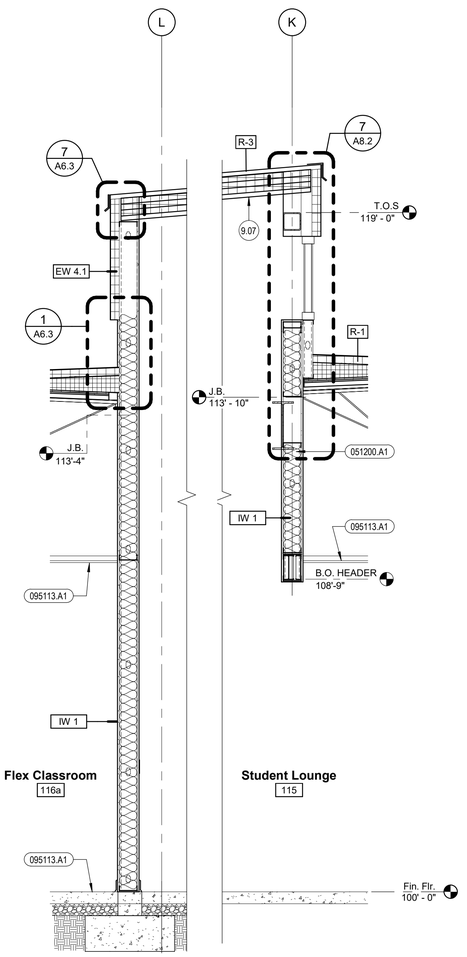
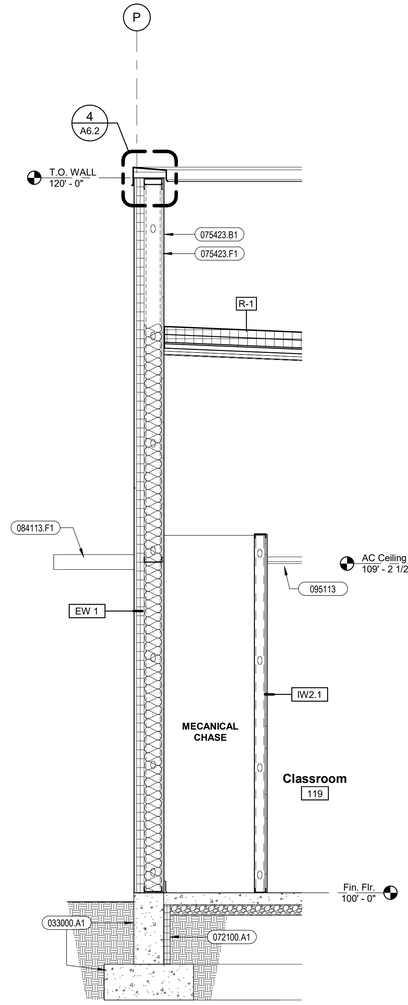
A7.6
WALL SECTIONS



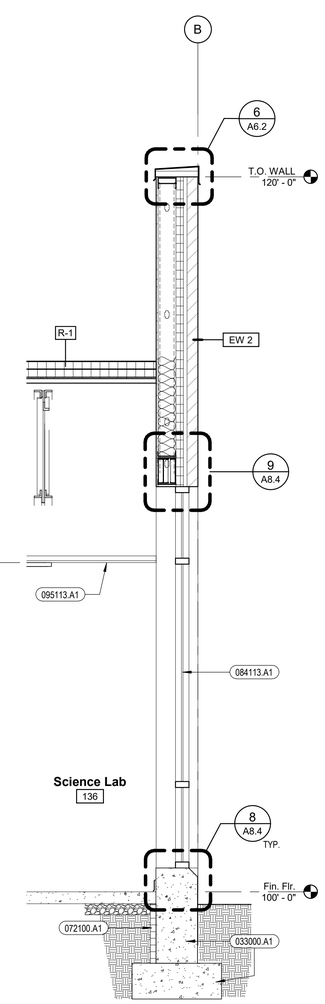
1 WALL SECTION
1/2" = 1'-0"



2 WALL SECTION
1/2" = 1'-0"



3 WALL SECTION
1/2" = 1'-0"



4 WALL SECTION
1/2" = 1'-0"

General Notes

1. SEE STRUCTURAL FOR SLAB-ON-GRADE AND FOOTINGS & FOUNDATION REQUIREMENTS AND FTG. ELEVATIONS.
2. SEE STRUCTURAL FOR COLUMN, JOIST, BEAM, AND HEADER SIZES.
3. SEE FLOOR PLANS AND SHEET A8.1 FOR WALL TYPES.
4. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.

Reference Notes

9.07 PAINT ALL EXPOSED STRUCTURAL STEEL.

Keyed Notes

033000.A1	CONCRETE FOOTING & FOUNDATION WALL. SEE STRUCTURAL
051200.A1	STEEL BEAM
052100.A1	OPEN WEB STEEL ROOF JOIST(S)
072100.A1	FOUNDATION / WALL INSULATION - EXTRUDED POLYSTYRENE, 2" U.N.O.
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.F1	DENS DECK, 1/2"
084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
084113.F1	ALUMINUM SUNSHADE
095113	ACOUSTICAL PANEL CEILINGS
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS

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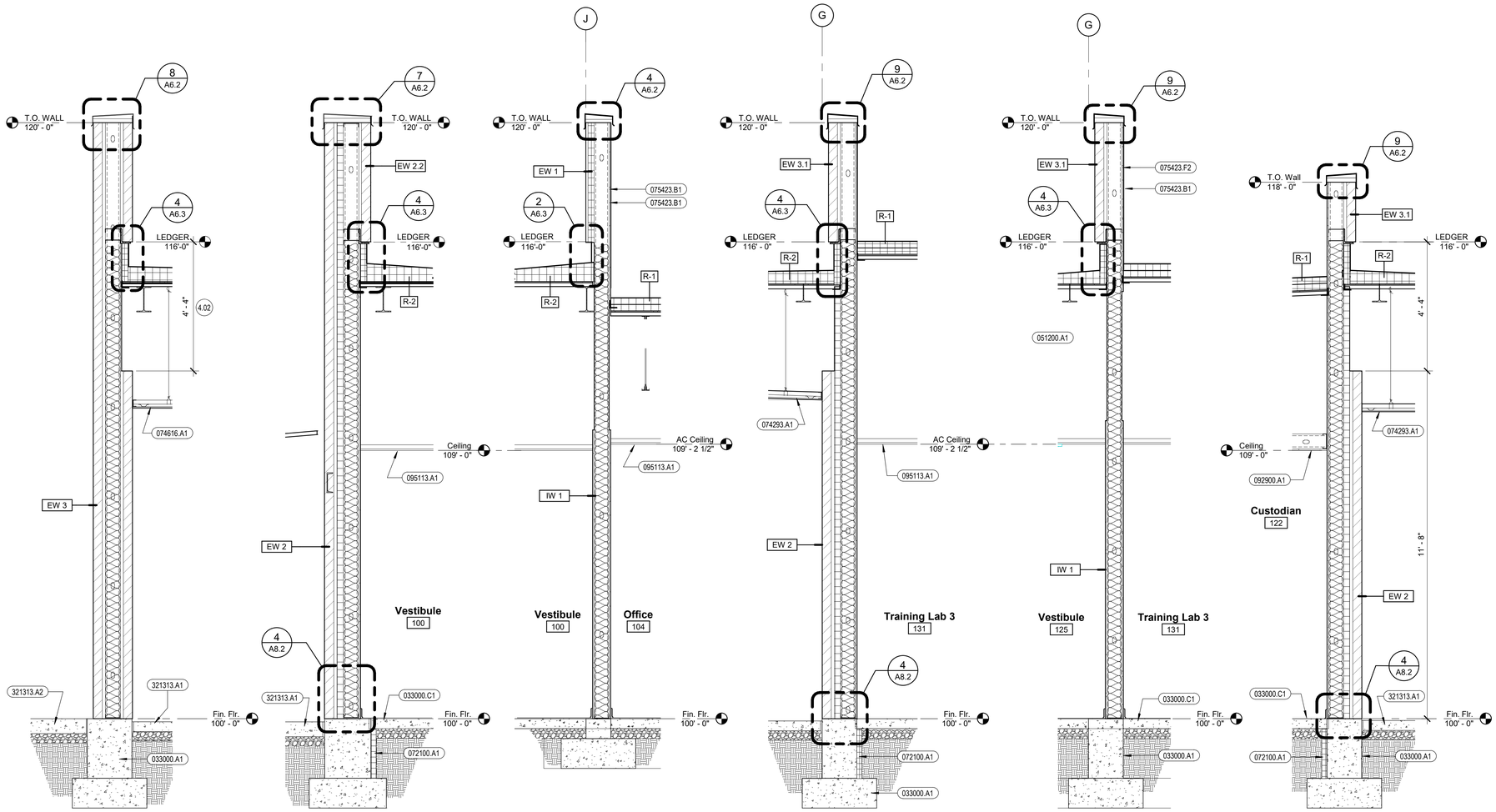
A7.7
WALL SECTIONS



1 WALL SECTION
1/2" = 1'-0"

2 WALL SECTION
1/2" = 1'-0"

3 WALL SECTION
1/2" = 1'-0"

4 WALL SECTION
1/2" = 1'-0"

5 WALL SECTION
1/2" = 1'-0"

6 WALL SECTION
1/2" = 1'-0"

General Notes

1. SEE STRUCTURAL FOR SLAB-ON-GRADE AND FOOTINGS & FOUNDATION REQUIREMENTS AND FTG. ELEVATIONS.
2. SEE STRUCTURAL FOR COLUMN, JOIST, BEAM, AND HEADER SIZES.
3. SEE FLOOR PLANS AND SHEET A8.1 FOR WALL TYPES.
4. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.

Reference Notes

4.02 DELETE VENEER IN ATTIC

Keyed Notes

033000.A1	CONCRETE FOOTING & FOUNDATION WALL. SEE STRUCTURAL
033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
072100.A1	FOUNDATION / WALL INSULATION - EXTRUDED POLYSTYRENE, 2" U.N.O.
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
074616.A1	ALUMINUM SOFFIT PANEL(S). NON-VENTILATING
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.F2	DENS DECK PRIME, 1/2"
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS
321313.A1	4" CONCRETE SIDEWALK. SEE CIVIL
321313.A2	6" REINFORCED CONCRETE SLAB-ON-GRADE. SEE CIVIL

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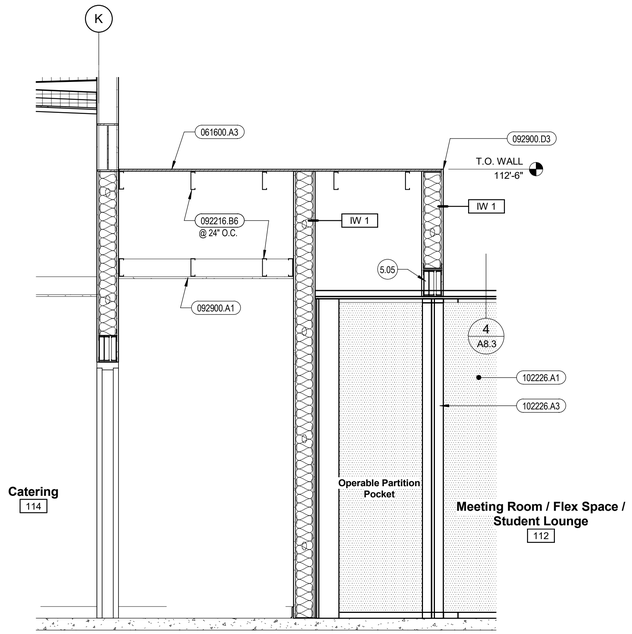
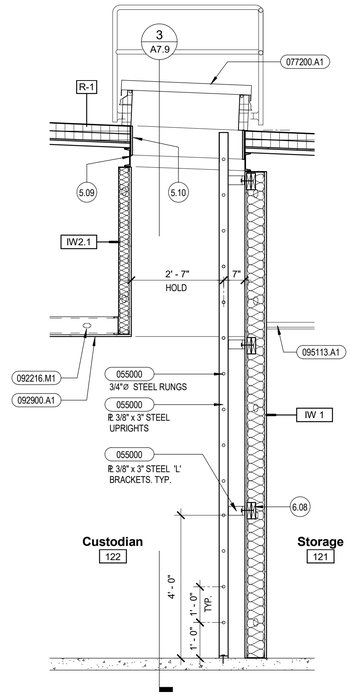
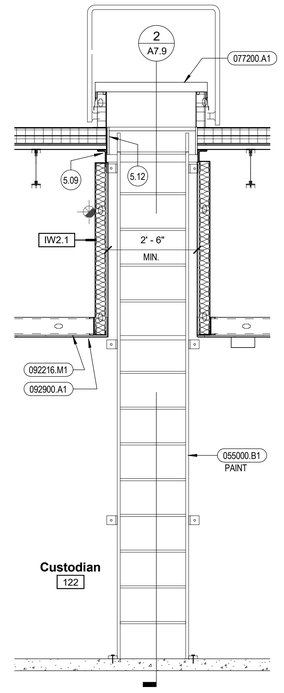
A7.8
WALL SECTIONS



1 WALL SECTION @ OPERABLE PARTITION POCKET
1/2" = 1'-0"



2 STEEL LADDER - SECTION
1/2" = 1'-0"



3 STEEL LADDER - ELEVATION
1/2" = 1'-0"

General Notes

1. SEE STRUCTURAL FOR SLAB-ON-GRADE AND FOOTINGS & FOUNDATION REQUIREMENTS AND FTG. ELEVATIONS.
2. SEE STRUCTURAL FOR COLUMN, JOIST, BEAM, AND HEADER SIZES.
3. SEE FLOOR PLANS AND SHEET A8.1 FOR WALL TYPES.
4. PRIME AND PAINT WITH HIGH PERFORMANCE COATING AT ALL EXPOSED STRUCTURAL STEEL 099600.

Reference Notes

5.05	SEE STRUCTURAL FOR HEADER TYPES AND SIZES
5.09	STRUCTURE FOR ROOF OPENING.
5.10	1/4" PERIMETER PLATE. SEE STRUCTURAL
5.12	CLOSURE PLATE.
6.08	(2) 2x6 SOLID BLOCKING AT BRACKET FASTENERS

Keyed Notes

055000	METAL FABRICATIONS
055000.B1	STEEL LADDER
061600.A3	FLOOR SHEATHING, 23/32" O.S.B. (T&G)
077200.A1	PRE-FABRICATED ROOF HATCH AND CURB WITH SAFETY RAILING SYSTEM
092216.B6	STEEL CEE JOIST(S) 6" 18 GA. @ 16" O.C. U.N.O.
092216.M1	SUSPENDED GYPSUM BOARD CEILING FRAMING
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.
092900.D3	METAL TRIM, L BEAD
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS
102226.A1	OPERABLE PARTITION SYSTEM
102226.A3	OPERABLE PARTITION POCKET DOORS

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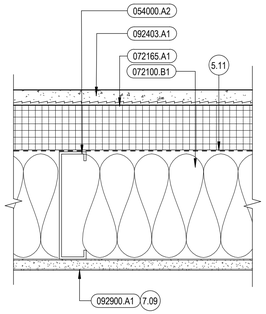
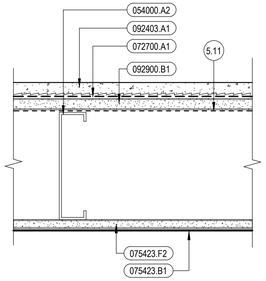
A7.9
WALL SECTIONS

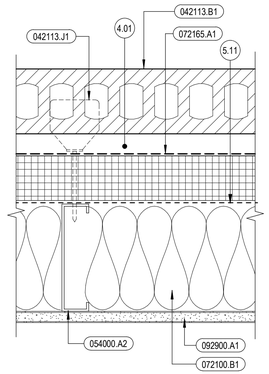
EXTERIOR WALL TYPES



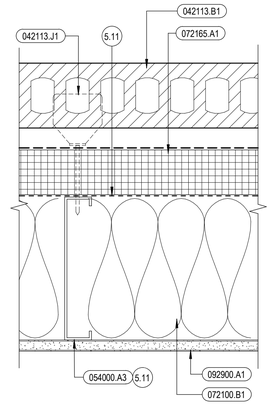
1 WALL TYPE - EW 1
3" = 1'-0"



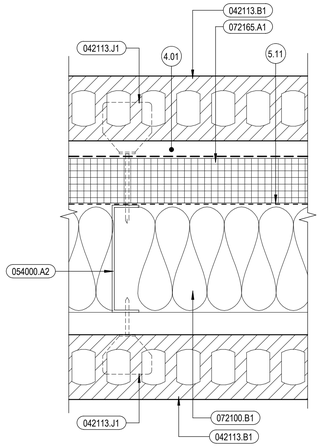
2 WALL TYPE - EW 1.1
3" = 1'-0"



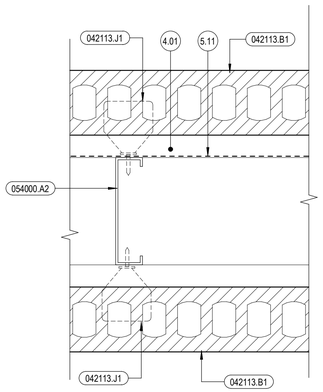
3 WALL TYPE - EW 2
3" = 1'-0"



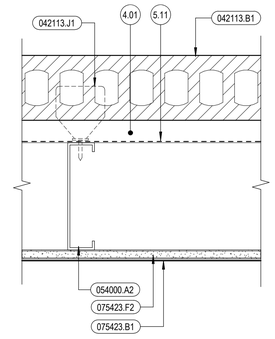
4 WALL TYPE - EW 2.1
3" = 1'-0"



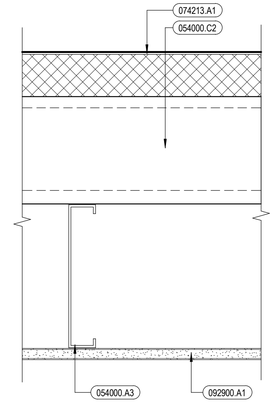
15 WALL TYPE - EW 2.2
3" = 1'-0"



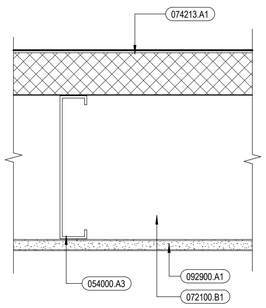
5 WALL TYPE - EW 3
3" = 1'-0"



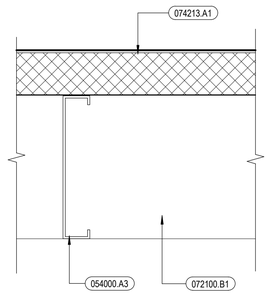
6 WALL TYPE - EW 3.1
3" = 1'-0"



7 WALL TYPE - EW 4
3" = 1'-0"

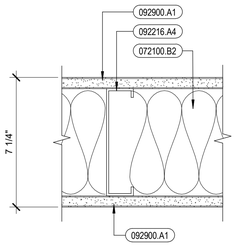


8 WALL TYPE - EW 4.1
3" = 1'-0"

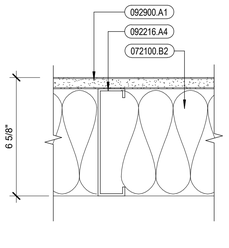


9 WALL TYPE - EW 4.2
3" = 1'-0"

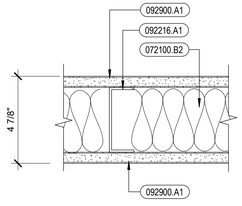
INTERIOR WALL TYPES



10 WALL TYPE - IW 1
3" = 1'-0"



11 WALL TYPE - IW 1.1
3" = 1'-0"



12 WALL TYPE - IW 2
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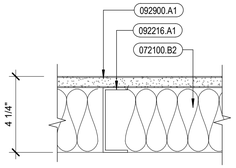
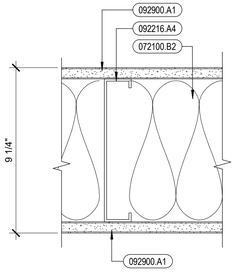


13 WALL TYPE - IW 2.1
3" = 1'-0"



14 WALL TYPE - IW 3
3" = 1'-0"

General Notes

1. PROVIDE SILL SEALER GASKETS AT ALL EXTERIOR FRAMED WALLS. (054000, 2.6, E)

Reference Notes

4.01	1-1/4" AIRSPACE
5.11	SHEET METAL SHEARWALL SHEATHING WHERE OCCURS. SEE FOUNDATION PLAN.
7.09	NOTE: DENS-DECK PRIME AND ROOFING MEMB. FLASHING AT PARAPET CONDITIONS

Keyed Notes

042113.B1	CLAY FACE (VENEER) BRICK, 4X4X16
042113.J1	VENEER TIE(S)
054000.A2	STEEL STUD(S) 6", 16 GA. @ 16" O.C., U.N.O.
054000.A3	STEEL STUD(S) 8", 16 GA. @ 16" O.C., U.N.O.
054000.C2	STEEL ZEE PURLINS 6", 16 GA. @ 48" O.C. U.N.O.
072100.B1	BATT INSULATION, GLASS FIBER, UNFACED FULL WIDTH OF CAVITY
072100.B2	ACOUSTIC GLASS-FIBER BATTS, UNFACED FULL WIDTH OF CAVITY
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
072700.A1	BUILDING WRAP
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.F2	DENS DECK PRIME, 1/2"
092216.A1	STEEL STUD(S) 3 5/8" 20 GA. @ 16" O.C. U.N.O.
092216.A4	STEEL STUD(S) 6" 20 GA. @ 16" O.C. U.N.O.
092403.A1	7/8" STUCCO SYSTEM.
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.
092900.B1	EXTERIOR GYPSUM SHEATHING, 1/2"

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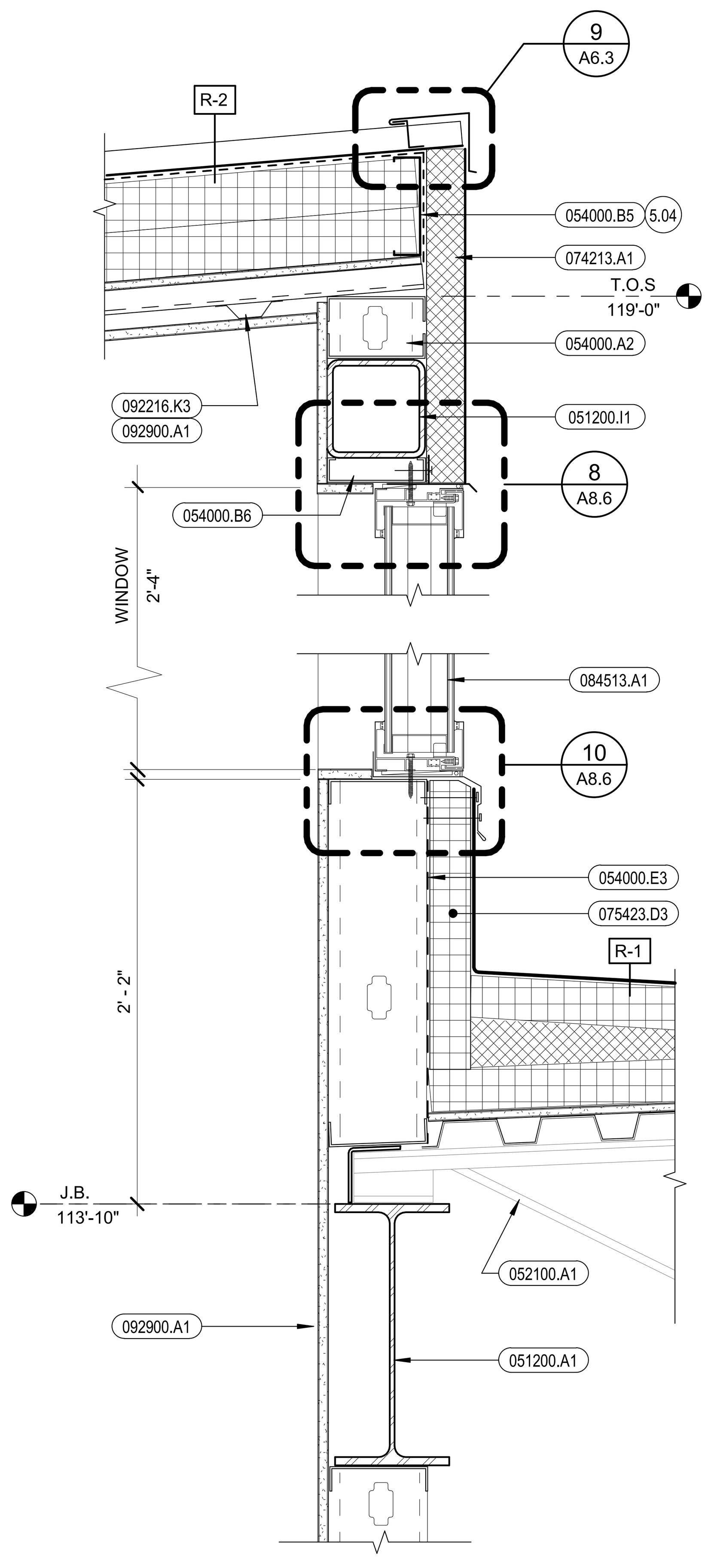
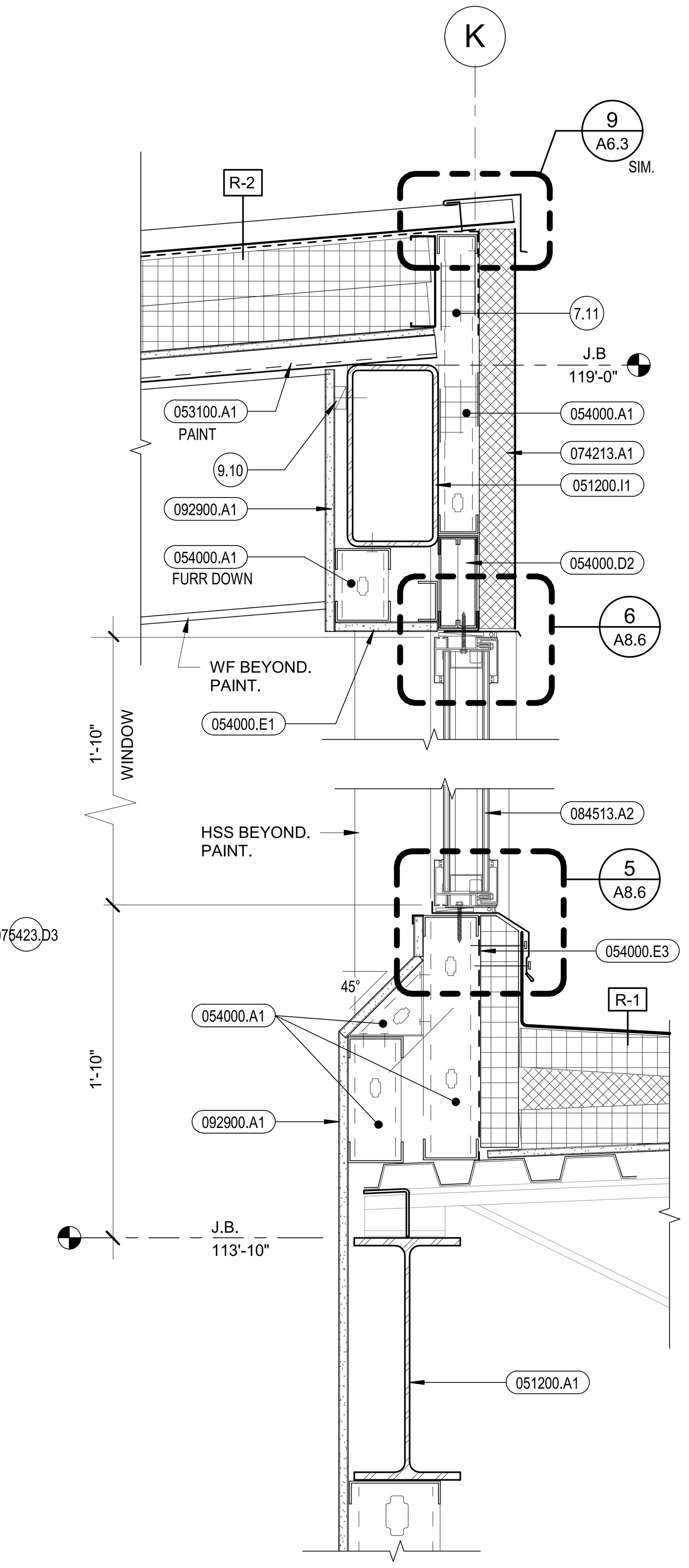
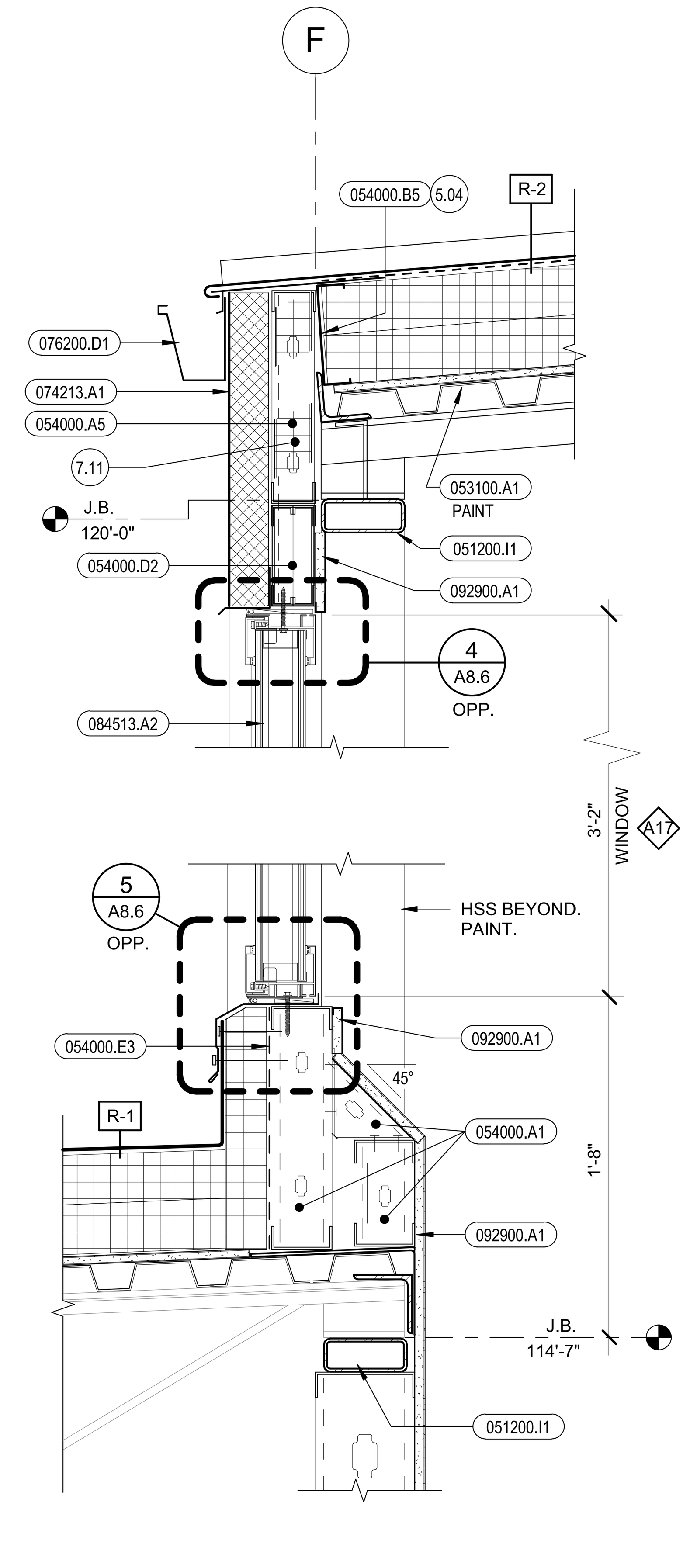
A8.1
WALL TYPES / DETAILS



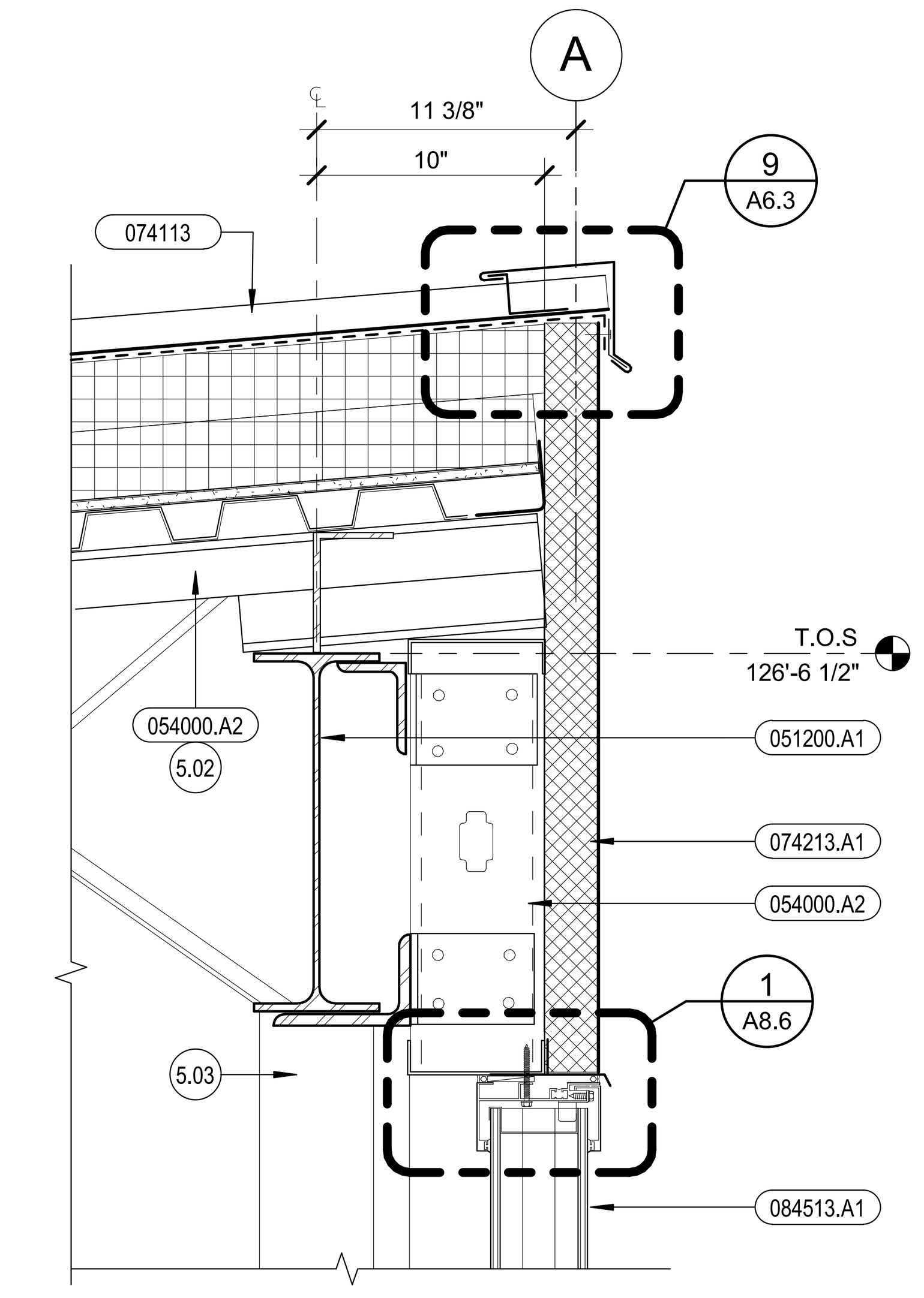
7 WALL DETAIL
1 1/2" = 1'-0"



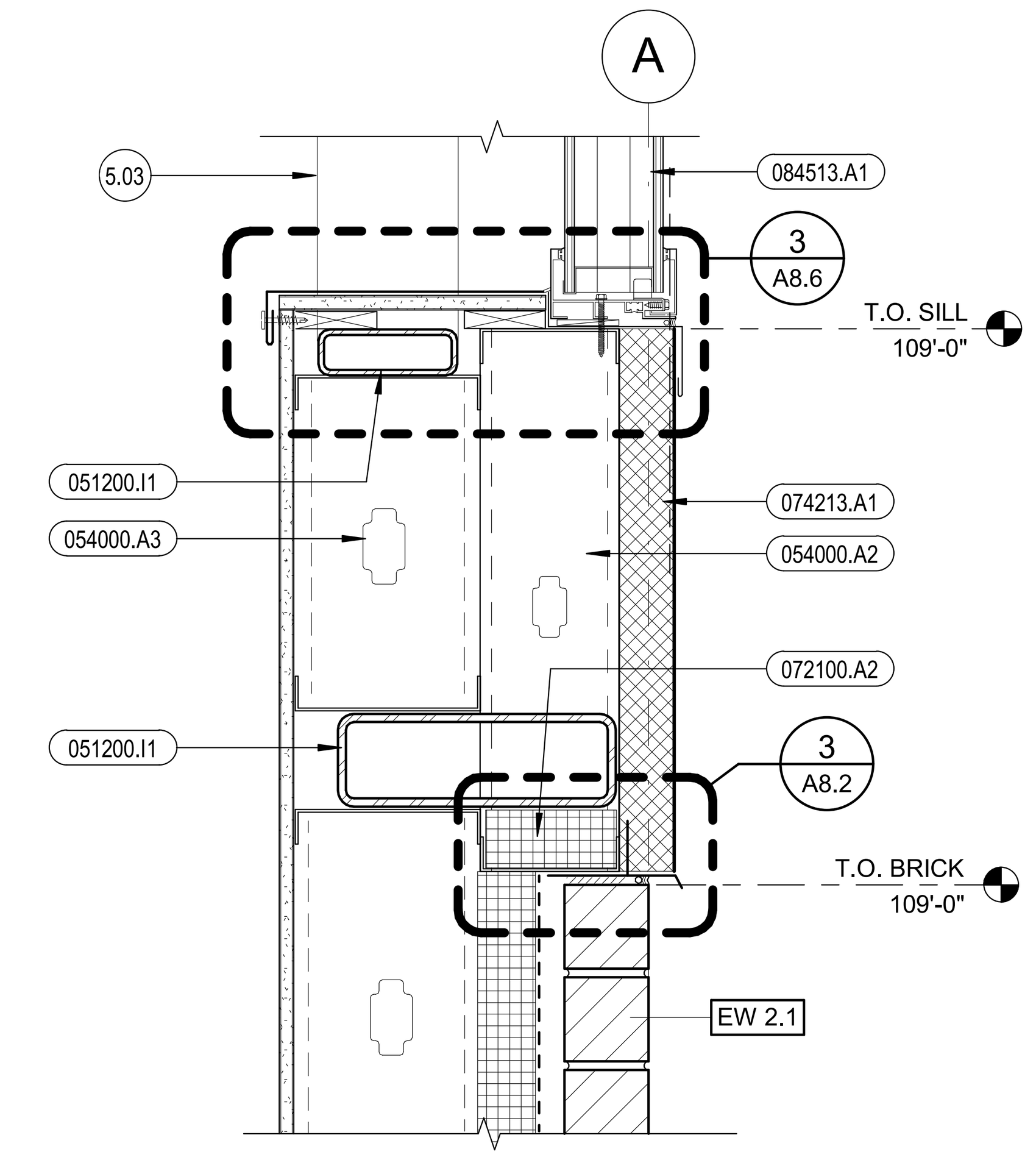
6 WALL DETAIL
1 1/2" = 1'-0"



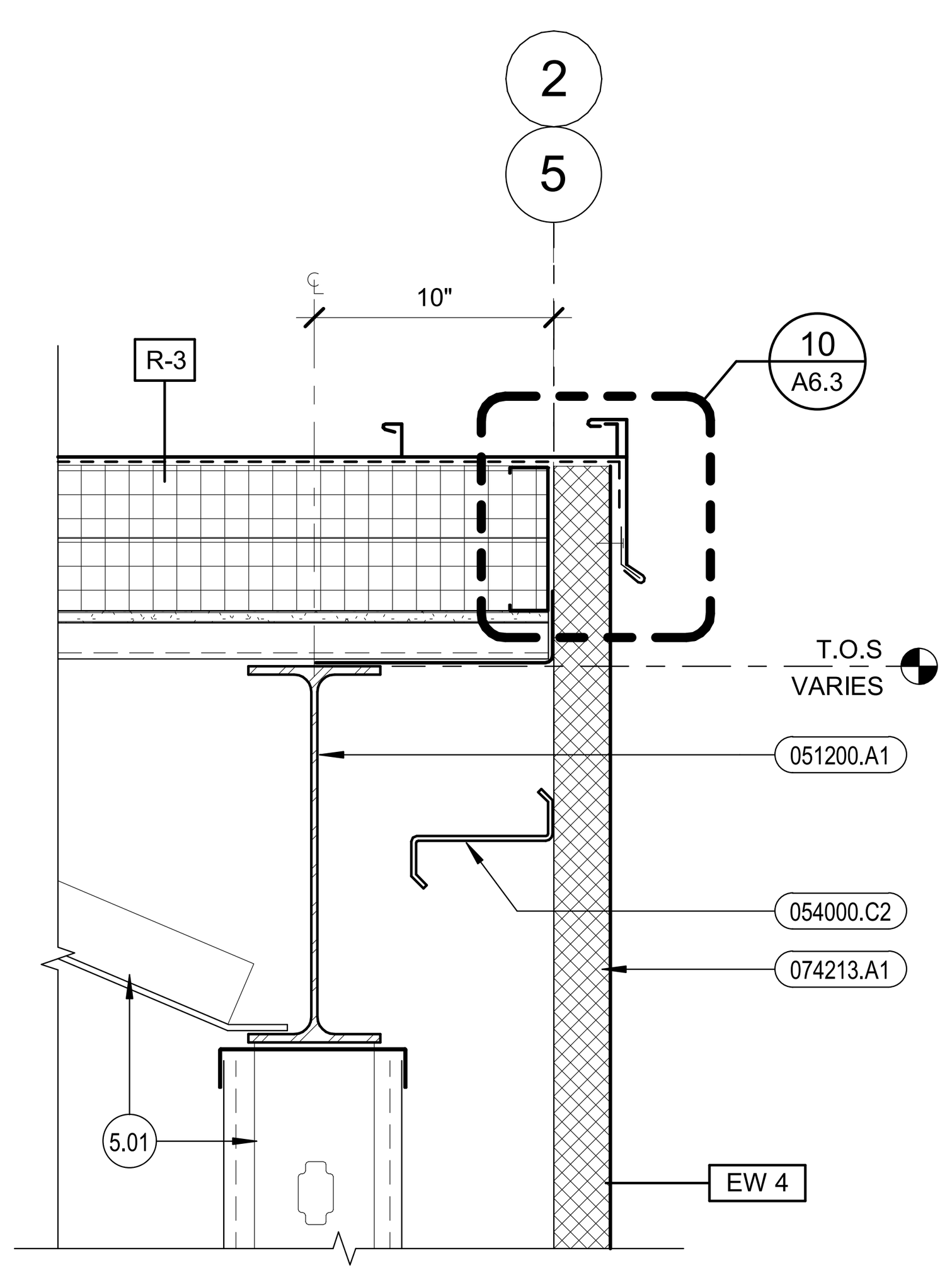
5 WALL DETAIL
1 1/2" = 1'-0"



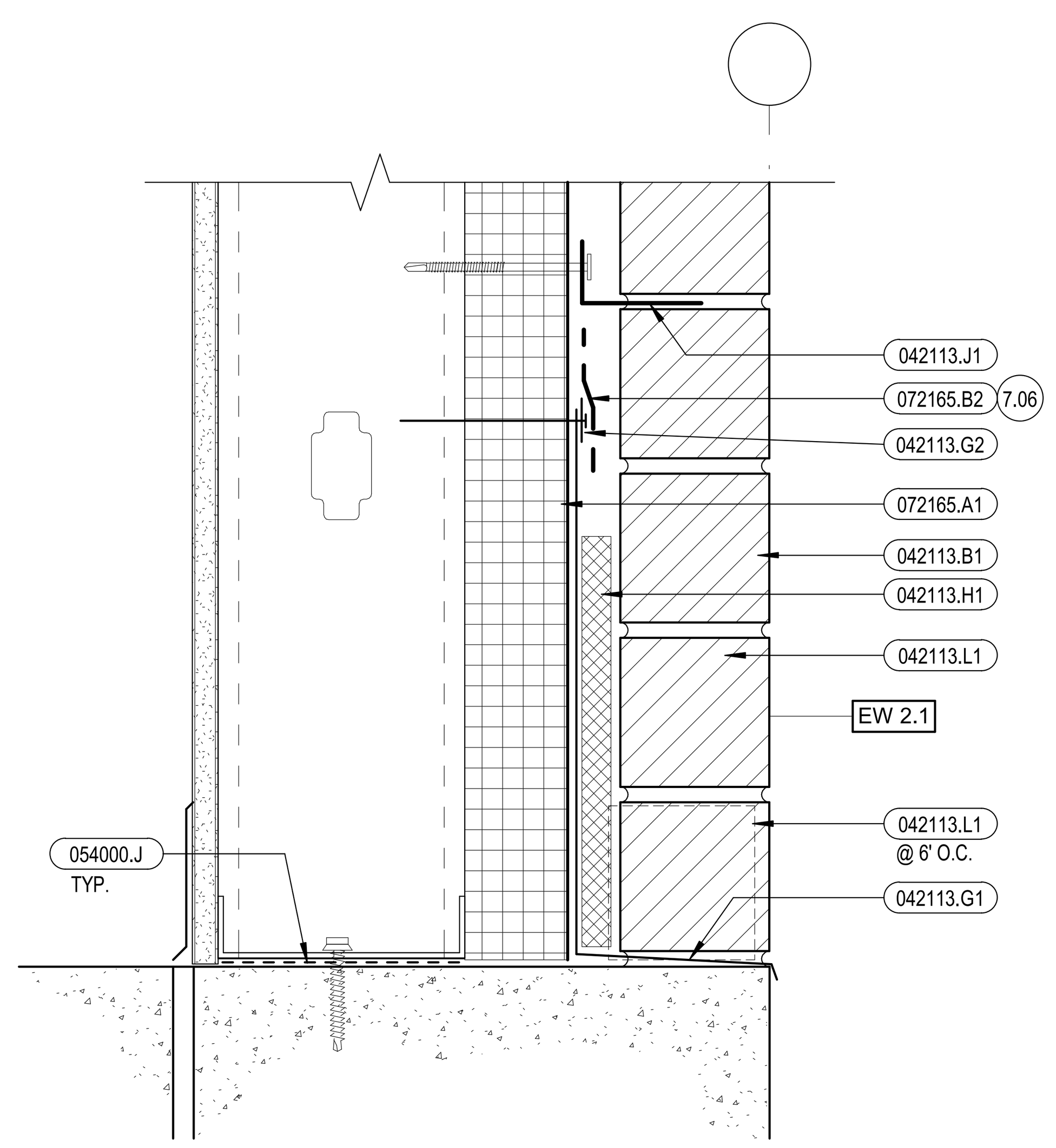
1 WALL DETAIL
1 1/2" = 1'-0"



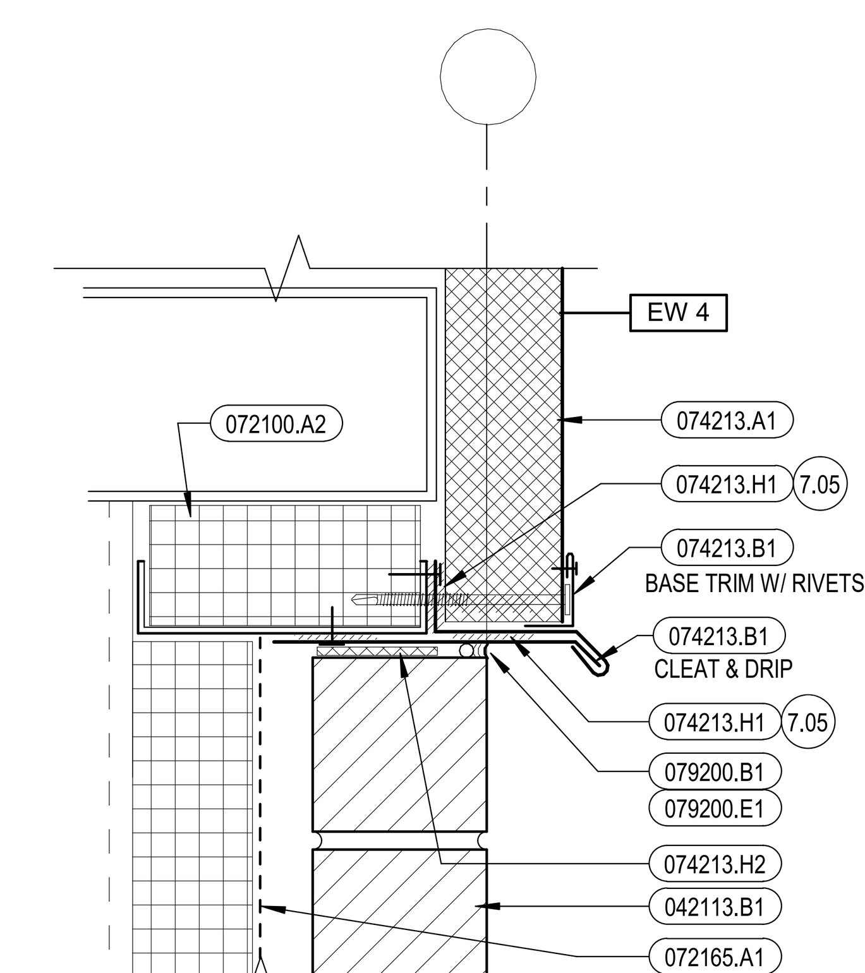
2 WALL DETAIL
1 1/2" = 1'-0"



8 WALL DETAIL @ HIGH BAY RAKE
1 1/2" = 1'-0"



4 WALL DETAIL @ TYPICAL BASE OF WALL - BRICK
3" = 1'-0"



3 WALL DETAIL
3" = 1'-0"

Reference Notes

5.01	FABRICATED STEEL CANOPY W/ STANDING SEAM METAL ROOFING
5.02	WITH TAIL EXTENSION. SEE STRUCTURAL.
5.03	TUBE STEEL BRACING. SEE STRUCTURAL.
5.04	CUT IN ROOF INSUL. IN TO METAL CEE PERIMETER MEMBER
7.05	APPLY SEALANTS AT ALL MFR'S. REQUIRED LOCATIONS
7.06	COUNTERFFLASH TERM BAR OR FASTENERS
7.11	NOTE: PROVIDE 2.5" POLYISO INSULATION FULL HEIGHT IN EACH STUD CAVITY.
9.10	1X FURRING/SHIM

Keyed Notes

042113.B1	CLAY FACE (VENEER) BRICK, 4X4X16
042113.G1	THRU WALL BASE FLASHING W/ DRIP.
042113.G2	CONTINUOUS TERM BAR FASTENED TO EACH STUD
042113.H1	MORTAR NET
042113.J1	VENEER TIE(S)
042113.L1	WEEP VENT, PLASTIC
051200.A1	STEEL BEAM
051200.I1	STEEL TUBE
052100.A1	OPEN WEB STEEL ROOF JOIST(S)
053100.A1	STEEL ROOF DECK, 1 1/2", SEE STRUCTURAL
054000.A1	STEEL STUD(S) 3 5/8", 18 GA. @ 16" O.C., U.N.O. (358S137-43)
054000.A2	STEEL STUD(S) 6", 16 GA. @ 16" O.C., U.N.O.
054000.A3	STEEL STUD(S) 8", 16 GA. @ 16" O.C., U.N.O.
054000.A5	STEEL STUD(S) 2-1/5", 18 GA. @ 16" O.C., U.N.O. (250S125-43)D
054000.B5	STEEL CEE EDGE MEMBER, 6", 16 GA. CONTINUOUS FULL PERIMETER
054000.B6	STEEL CEE NAILER, 6", 16 GA. CONTINUOUS
054000.C2	STEEL ZEE PURLINS 6", 16 GA. @ 48" O.C. U.N.O.
054000.D2	BOXED HEADER, (2) 600S125-43
054000.E1	TYPE A BACK PLATE. SEE STRUCTURAL CFS
054000.E3	SHEET METAL SHEATHING PER SHEAR WALL SCHEDULE.
054000.J	SILL SEALER GASKET
072100.A2	RIGID WALL INSULATION - 2 1/2" EXTRUDED POLYSTYRENE, U.N.O.
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
072165.B2	SA FLASHING TAPE
074113	METAL ROOF PANEL ASSEMBLY: - 24 GA. STANDING SEAM METAL ROOF PANELS - (2) LAYERS 3" POLYISO INSUL. BD. IN 6" 'Z' FURRING. - VAPOR RETARDER - METAL DECK
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
074213.B1	METAL WALL PANEL TRIM
074213.H1	BUTYL SEALANT
074213.H2	FLEXIBLE POLYETHYLENE FOAM GASKET STRIP
075423.D3	RIGID ROOF INSULATION - POLYISOCYANURATE, (1) LAYER, 2.6"
076200.D1	PRE-FINISHED METAL BOX GUTTER, 24 GA. 4X6
079200.B1	ONE PART URETHANE SEALANT
079200.E1	FOAM BACKER ROD
084513.A1	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 4.25" SYSTEM
084513.A2	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 3" SYSTEM
092216.K3	HAT-SHAPED FURRING CHANNEL
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.

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Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219

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CHECKED BY: RP

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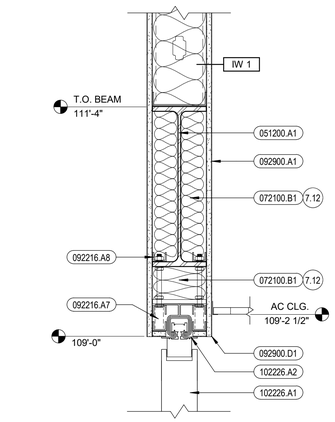
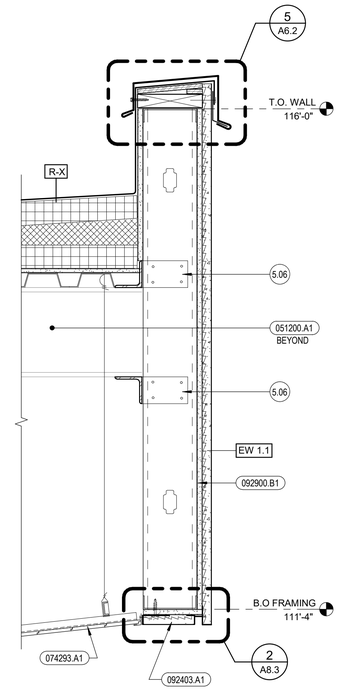
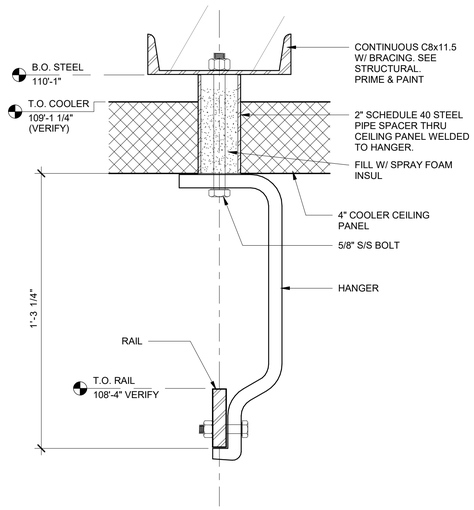
A8.2
ARCHITECTURAL DETAILS



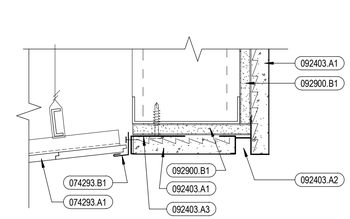
4 OPERABLE PARTITION TRACK
1 1/2" = 1'-0"



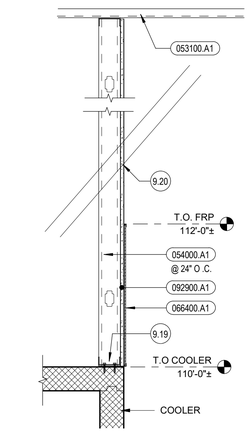
1 WALL DETAIL @ CANOPY
1 1/2" = 1'-0"



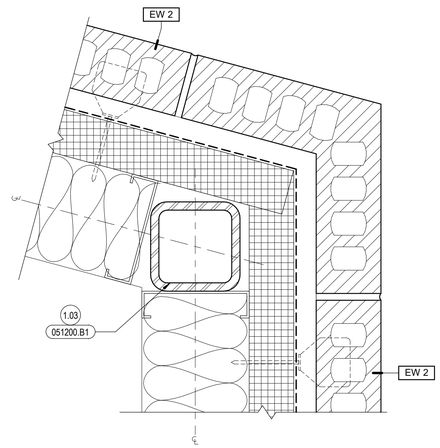
5 MEAT RAIL @ COOLER CEILING
3" = 1'-0"



2 WALL DETAIL @ CANOPY BOTTOM EDGE
3" = 1'-0"



6 CLOSURE WALL @ COOLER
1" = 1'-0"



3 EXTERIOR CORNER - BRICK CONNECTION
3" = 1'-0"

Reference Notes

1.03	SEE STRUCTURAL DRAWINGS
5.06	CLIPS FOR CFS FRAMING. EACH STUD. SEE STRUCTURAL
7.12	FILL ALL CAVITIES W/ UNFACED FIBERGLASS BATTS
9.19	(2) #10 SMS @ 24" O.C.
9.20	SCRIBE AROUND STEEL ANGLE BRACES WHERE OCCURS

Keyed Notes

051200.A1	STEEL BEAM
051200.B1	STEEL COLUMN
053100.A1	STEEL ROOF DECK, 1 1/2", SEE STRUCTURAL
054000.A1	STEEL STUD(S) 3 5/8", 18 GA. @ 16" O.C., U.N.O. (3585137-43)
066400.A1	FIBERGLASS REINFORCED PANELS
072100.B1	BATT INSULATION, GLASS FIBER, UNFACED FULL WIDTH OF CAVITY
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
074293.B1	METAL SOFFIT PANEL TRIM, PRE-FINISHED
092216.A7	STEEL STUD(S) 1 5/8" 18 GA. @ 24" O.C.
092216.A8	STEEL STUD TRACK , 1 5/8" 20 GA., CONTINUOUS
092403.A1	7/8" STUCCO SYSTEM.
092403.A2	STUCCO DRIP SCREED
092403.A3	STUCCO J MOLDING
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.
092900.B1	EXTERIOR GYPSUM SHEATHING, 1/2"
092900.D1	METAL CORNER BEAD
102226.A1	OPERABLE PARTITION SYSTEM
102226.A2	OPERABLE PARTITION TRACK SYSTEM

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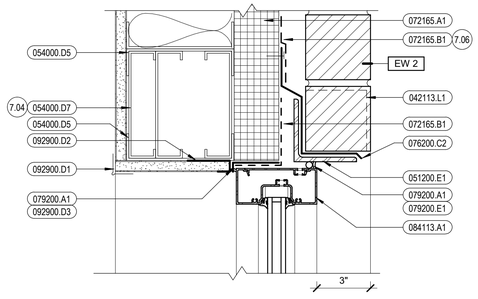
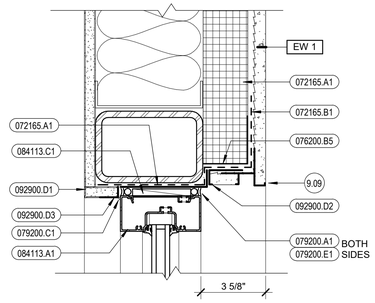
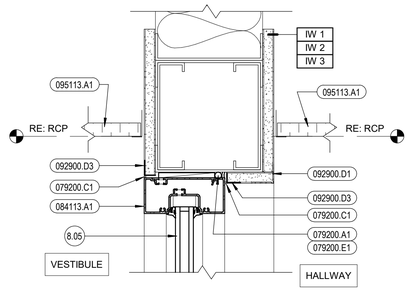
ARCHITECTURAL DETAILS



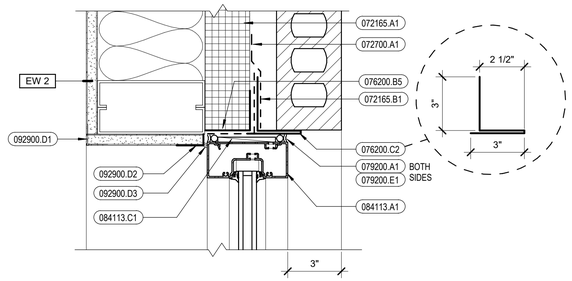
9 ALUM. WINDOW HEAD @ BRICK
3" = 1'-0"



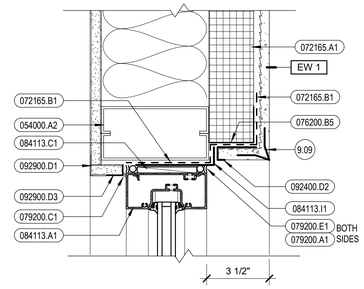
5 ALUM. WINDOW HEAD @ STUCCO FINISH
3" = 1'-0"



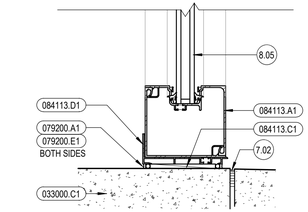
1 VEST. ALUM. WINDOW HEAD
3" = 1'-0"



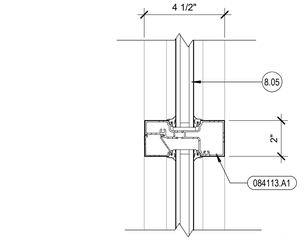
10 ALUM. WINDOW JAMB @ BRICK
3" = 1'-0"



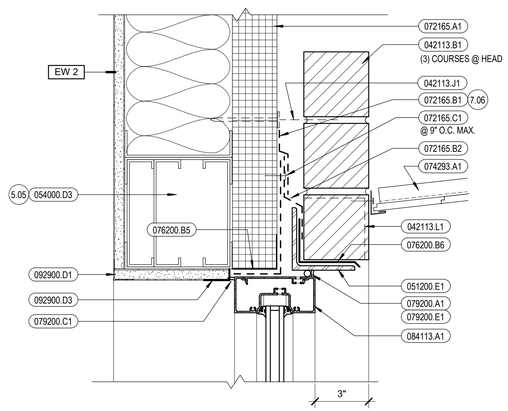
6 ALUM. WINDOW JAMB @ STUCCO FINISH
3" = 1'-0"



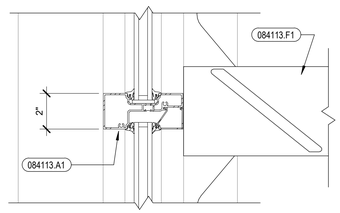
3 ALUM. EXTERIOR WINDOW SILL
3" = 1'-0"



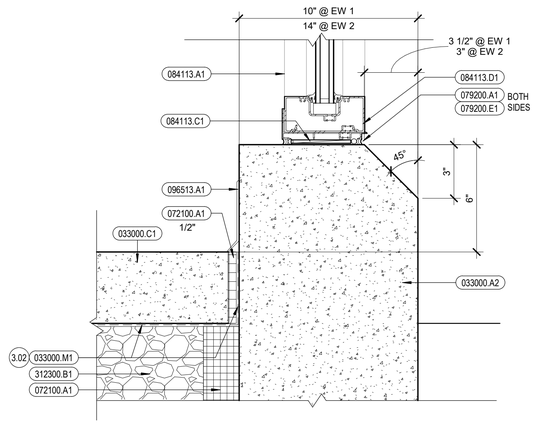
2 ALUM. WINDOW MULLION
3" = 1'-0"



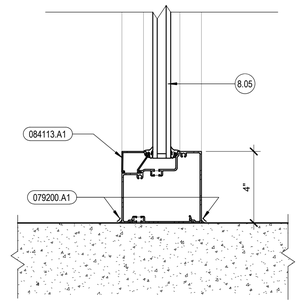
11 ALUM. WINDOW HEAD @ BRICK 128
3" = 1'-0"



7 ALUM. WINDOW MULLION W/ CANOPY
3" = 1'-0"



8 ALUM. WINDOW SILL W/ CURB
3" = 1'-0"



4 ALUM. INTERIOR WINDOW SILL @ FINISH LEVEL
3" = 1'-0"

Reference Notes

3.02	TURN UP VAPOR RETARDER TO TOP OF FOUNDATION WALL AND SEAL TO WALL WITH URETHANE SEALANT
5.05	SEE STRUCTURAL FOR HEADER TYPES AND SIZES
7.02	CONCRETE SLAB JOINT SEALANT
7.04	APPLY LIQUID FLASHING TO CONCEALED SURFACES.
7.06	COUNTERFFLASH TERM BAR OR FASTENERS
8.05	GLAZING PER FRAME TYPES
9.09	TYPICAL STUCCO CORNERBEAD

Keyed Notes

033000.A2	CONCRETE FOOTING. SEE STRUCTURAL.
033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
033000.M1	VAPOR RETARDER
042113.B1	CLAY FACE (VENEER) BRICK, 4X4X16
042113.J1	VENEER TIE(S)
042113.L1	WEEP VENT, PLASTIC
051200.E1	STEEL ANGLE
054000.A2	STEEL STUD(S) 6", 16 GA. @ 16" O.C., U.N.O.
054000.D3	STEEL STRUC(S) 6", HEADER MEMBERS
054000.D5	6" STEEL CEE JOIST, 16 GA
054000.D7	6" STEEL STUD(S), 16 GA
072100.A1	FOUNDATION / WALL INSULATION - EXTRUDED POLYSTYRENE, 2" U.N.O.
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
072165.B1	LIQUID FLASHING
072165.B2	SA FLASHING TAPE
072165.C1	FASTENER
072700.A1	BUILDING WRAP
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
076200.B5	GALV. METAL ANGLE TRIM, 18 GA.
076200.B6	GALV. METAL BASE FLASHING, 18 GA. WITH HEMMED DRIP
076200.C2	PRE-FINISHED METAL FLASHING, 24 GA.
079200.A1	ONE PART SILICON SEALANT
079200.C1	LATEX JOINT SEALANT
079200.E1	FOAM BACKER ROD
084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
084113.C1	SHIM
084113.D1	ALUMINUM STOREFRONT SILL FLASHING
084113.F1	ALUMINUM SUNSHADE
084113.I1	MISCELLANEOUS BREAK-SHAPE ALUMINUM (STOREFRONTS)
092400.D2	GALVANIZED STEEL CASING BEAD
092900.D1	METAL CORNER BEAD
092900.D2	METAL TRIM, LC
092900.D3	METAL TRIM, L BEAD
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS
096513.A1	4" RUBBER COVE BASE
312300.B1	DRAINAGE FILL COURSE

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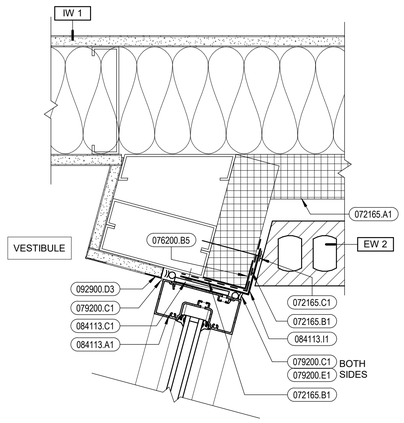
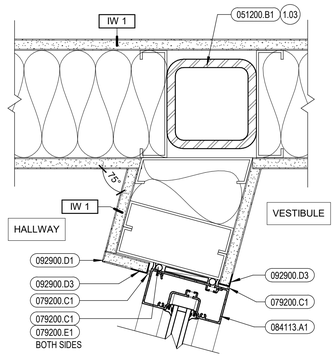
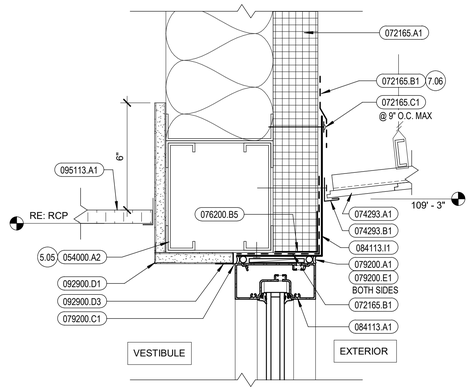
WINDOW DETAILS



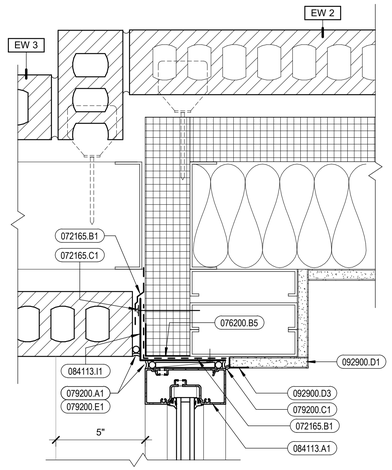
2 EXTERIOR DOOR JAMB @ VESTIBULE
3" = 1'-0"



3 ALUM. STOREFRONT JAMB @ ENTRANCE
3" = 1'-0"



4 ALUM. STORFRONT HEAD @ VESTIBULE
3" = 1'-0"



6 EXTERIOR DOOR JAMB @ VESTIBULE
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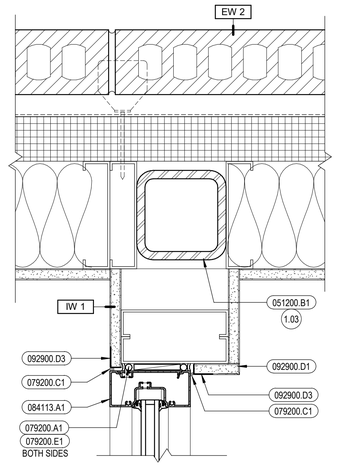
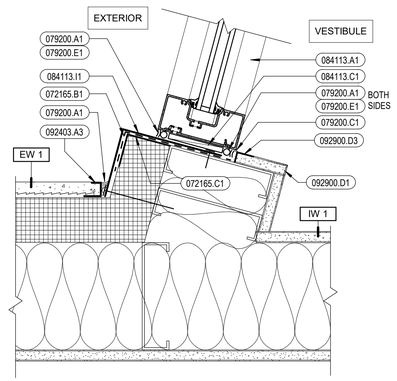


7 EXTERIOR DOOR JAMB @ VESTIBULE
3" = 1'-0"



8 EXTERIOR DOOR JAMB @ BRICK FINISH
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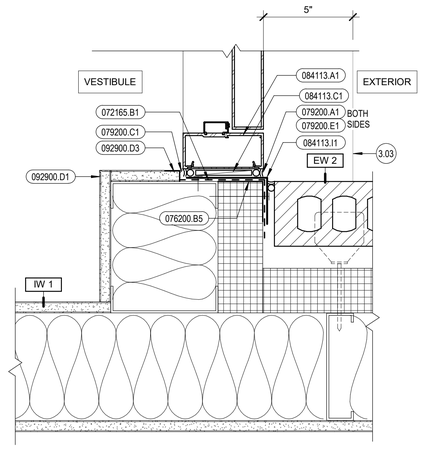

10 ALUM. STOREFRONT DOOR JAMB @ VESTIBULE
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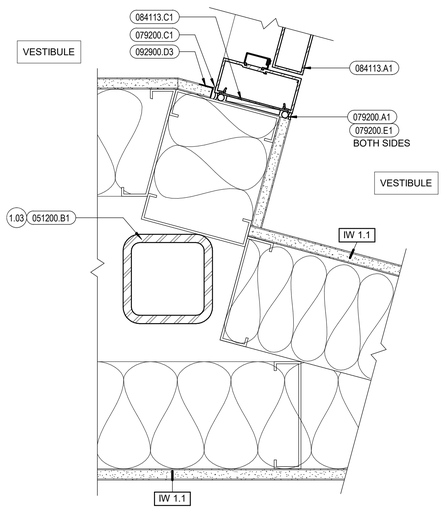

11 ALUM. STOREFRONT DOOR JAMB @ VESTIBULE
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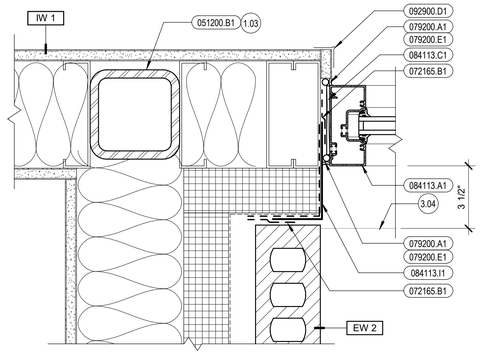

12 BRICK INNER CORNER WINDOWS JAMB
3" = 1'-0"

Reference Notes

1.03	SEE STRUCTURAL DRAWINGS
3.03	CONCRETE FLOOR SLAB FINISH BELOW
3.04	CONCRETE CURB FINISH BELOW
5.05	SEE STRUCTURAL FOR HEADER TYPES AND SIZES
7.06	COUNTERFFLASH TERM BAR OR FASTENERS

Keyed Notes

051200.B1	STEEL COLUMN
054000.A2	STEEL STUD(S) 6", 16 GA. @ 16" O.C., U.N.O.
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
072165.B1	LIQUID FLASHING
072165.C1	FASTENER
074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
074293.B1	METAL SOFFIT PANEL TRIM, PRE-FINISHED
076200.B5	GALV. METAL ANGLE TRIM, 18 GA.
079200.A1	ONE PART SILICON SEALANT
079200.C1	LATEX JOINT SEALANT
079200.E1	FOAM BACKER ROD
084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
084113.C1	SHIM
084113.I1	MISCELLANEOUS BREAK-SHAPE ALUMINUM (STOREFRONTS)
092403.A3	STUCCO J MOLDING
092900.D1	METAL CORNER BEAD
092900.D3	METAL TRIM, L BEAD
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS

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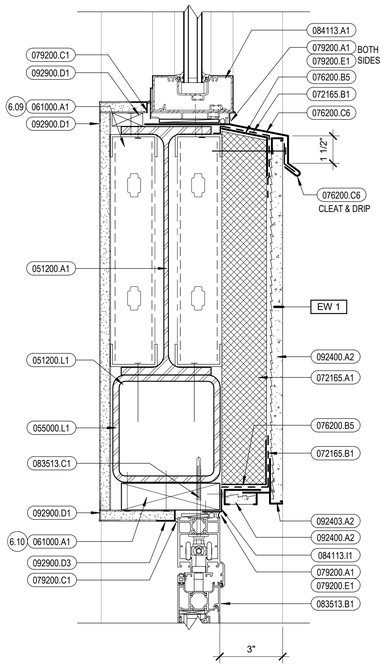
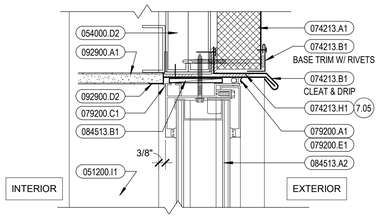
A8.5
WINDOW DETAILS



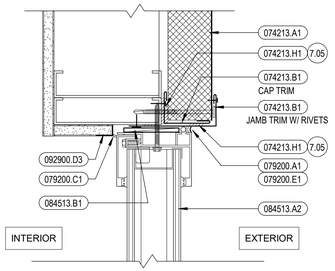
11 FOLDING DOOR HEAD
3" = 1'-0"

12 FOLDING WINDOW JAMB
3" = 1'-0"

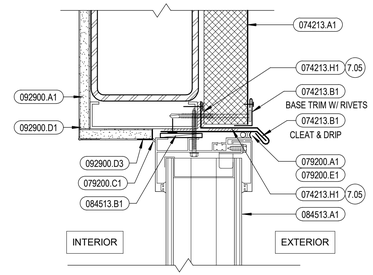
13 FOLDING DOOR SILL
3" = 1'-0"



6 TRANSLUCENT CURTAINWALL HEAD
3" = 1'-0"



7 TRANSLUCENT CURTAINWALL JAMB
3" = 1'-0"



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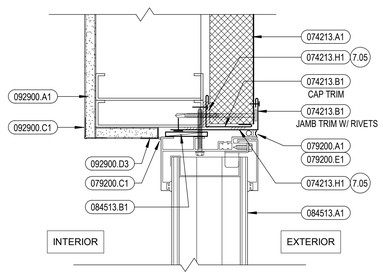
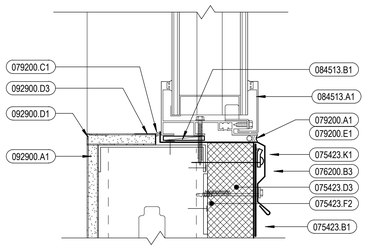
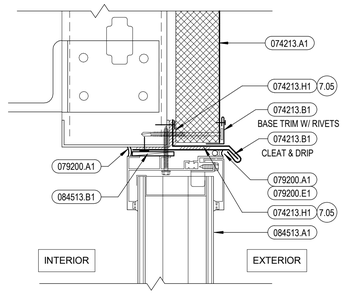


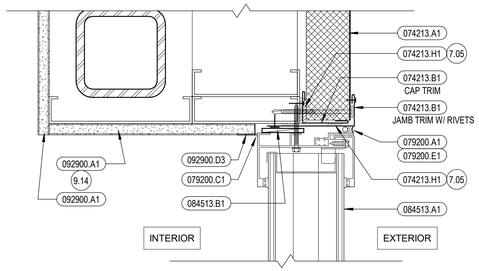
9 TRANSLUCENT CURTAINWALL JAMB
3" = 1'-0"



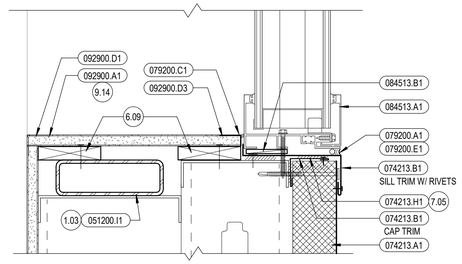
10 TRANSLUCENT CURTAINWALL SILL
3" = 1'-0"



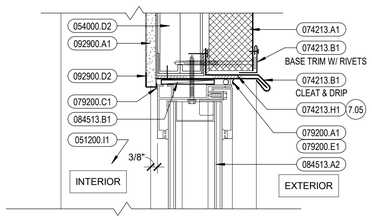
1 TRANSLUCENT CURTAINWALL HEAD
3" = 1'-0"



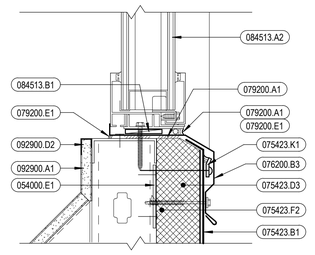
2 TRANSLUCENT CURTAINWALL JAMB
3" = 1'-0"



3 TRANSLUCENT CURTAINWALL SILL
3" = 1'-0"



4 TRANSLUCENT CURTAINWALL HEAD
3" = 1'-0"



5 TRANSLUCENT CURTAINWALL SILL
3" = 1'-0"

Reference Notes

1.03	SEE STRUCTURAL DRAWINGS
6.09	1X4 CONT. NAILERS. SHOT PIN TO STEEL
6.10	2X6 CONT. NAILER. SHOT PIN TO STEEL
7.02	CONCRETE SLAB JOINT SEALANT
7.05	APPLY SEALANTS AT ALL MFR'S. REQUIRED LOCATIONS
9.09	TYPICAL STUCCO CORNERBEAD
9.14	SCRIBE AROUND HSS BRACING WHERE OCCURS

Keyed Notes

033000.C1	CONCRETE FLOOR SLAB-ON-GRADE, 4"
051200.A1	STEEL BEAM
051200.I1	STEEL TUBE
051200.L1	WELD
054000.A2	STEEL STUD(S) 6", 16 GA. @ 16" O.C., U.N.O.
054000.D2	BOXED HEADER, (2) 600S125-43
054000.E1	TYPE A BACK PLATE. SEE STRUCTURAL CFS
055000.L1	STEEL TUBE
061000.A1	DIMENSION LUMBER
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
072165.B1	LIQUID FLASHING
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
074213.B1	METAL WALL PANEL TRIM
074213.H1	BUTYL SEALANT
075423.B1	SINGLE-PLY MEMBRANE FLASHING
075423.D3	RIGID ROOF INSULATION - POLYISOCYANURATE, (1) LAYER, 2.6"
075423.F2	DENS DECK PRIME, 1/2"
075423.K1	TERMINATION BAR W/ SEALANT
076200.B3	GALV. METAL COUNTERFLASHING WITH HEMMED DRIP, 18 GA. , W/ HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ 9" O.C.
076200.B5	GALV. METAL ANGLE TRIM, 18 GA.
076200.C6	PRE-FINISHED METAL BASE FLASHING W/ HEMMED DRIP. 24 GA.
079200.A1	ONE PART SILICON SEALANT
079200.C1	LATEX JOINT SEALANT
079200.E1	FOAM BACKER ROD
083513.B1	ALUMINUM FRAMED FOLDING GLASS STOREFRONT SYSTEM
083513.C1	FASTENER SYSTEM PER MFR.
084113.A1	ALUMINUM STOREFRONT DOOR / WINDOW FRAMING
084113.I1	MISCELLANEOUS BREAK-SHAPE ALUMINUM (STOREFRONTS)
084513.A1	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 4.25" SYSTEM
084513.A2	TRANSLUCENT GLAZED ALUMINUM CURTAIN WALL, KINGSPAN UNIQUAD, 3" SYSTEM
084513.B1	SHIM
092400.A2	EXTERIOR PORTLAND CEMENT PLASTER SYSTEM, 7/8"
092400.D2	GALVANIZED STEEL CASING BEAD
092403.A2	STUCCO DRIP SCREED
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.
092900.C1	CONTROL JOINT
092900.D1	METAL CORNER BEAD
092900.D2	METAL TRIM, LC
092900.D3	METAL TRIM, L BEAD

LKV ARCHITECTS
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10/28/2024

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

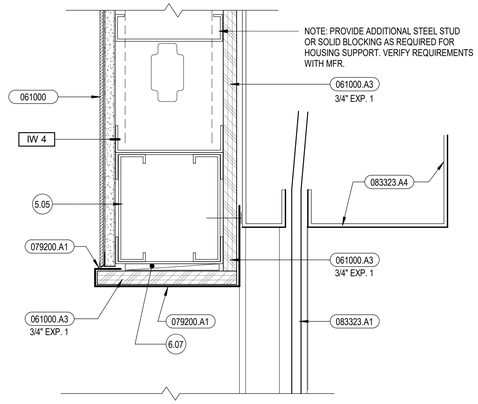
DATE: 10/28/2024
LKV PROJECT #: 2219

DRAWN BY: GB
CHECKED BY: RP

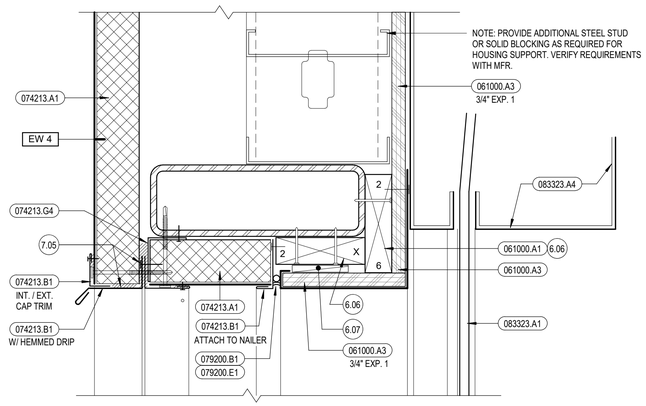
BID SET

DRAWING NO.:

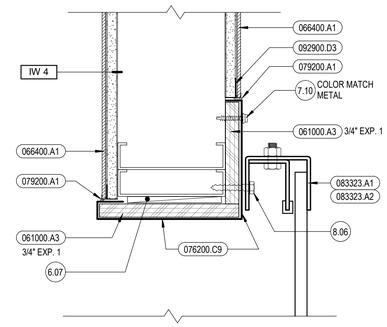
A8.6
WINDOW DETAILS



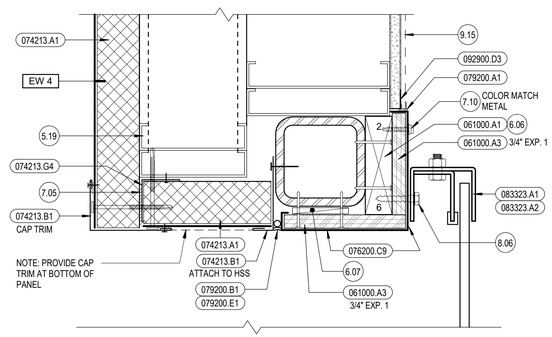
4 OH DOOR HEAD @ GYP. WALL
3" = 1'-0"



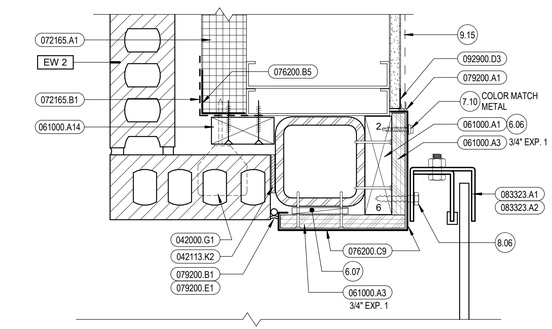
1 OH DOOR HEAD @ METAL PANEL
3" = 1'-0"



5 OH DOOR JAMB @ GYP. WALL
3" = 1'-0"



2 OH DOOR JAMB @ METAL PANEL
3" = 1'-0"



3 OH DOOR JAMB @ BRICK
3" = 1'-0"

Reference Notes

5.05	SEE STRUCTURAL FOR HEADER TYPES AND SIZES
5.19	6" STEEL STUD JAMB ASSEMBLY
6.06	FASTEN NAILER TO HSS WITH (2) SHOT PINS AT MAX. 24" O.C.
6.07	SHIM AS REQUIRED
7.05	APPLY SEALANTS AT ALL MFR'S. REQUIRED LOCATIONS
7.10	HEX HEAD FASTENERS W/ NEOPRENE WASHERS @ 24" O.C. MAX. U.N.O.
8.06	FASTEN TRACK PER COILING DOOR MFR'S. REQUIREMENTS.
9.15	FRP WHERE OCCURS

Keyed Notes

042000.G1	MASONRY VENEER TIE
042113.K2	NEOPRENE GASKETING. ADHERED
061000	ROUGH CARPENTRY
061000.A1	DIMENSION LUMBER
061000.A3	PLYWD. SHEATHING, (TYPE AND THICKNESS INDICATED)
061000.A14	2X4 WOOD NAILER
066400.A1	FIBERGLASS REINFORCED PANELS
072165.A1	THERMAX XARMOR WALL SYSTEM, 2-1/2"
072165.B1	LIQUID FLASHING
074213.A1	INSULATED METAL WALL PANELS, 2-1/2"
074213.B1	METAL WALL PANEL TRIM
074213.G4	ATTACHMENT CLIP, 16 GA. CONT
076200.B5	GALV. METAL ANGLE TRIM, 18 GA.
076200.C9	22 GA. PRE-FINISHED METAL JAMB CLADDING.
079200.A1	ONE PART SILICON SEALANT
079200.B1	ONE PART URETHANE SEALANT
079200.E1	FOAM BACKER ROD
083323.A1	OVERHEAD COILING DOOR
083323.A2	OVERHEAD COILING DOOR TRACK
083323.A4	OVERHEAD COILING DOOR HOUSING
092900.D3	METAL TRIM, L BEAD

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REGISTERED ARCHITECT
10/28/2024

Revisions		
#	Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

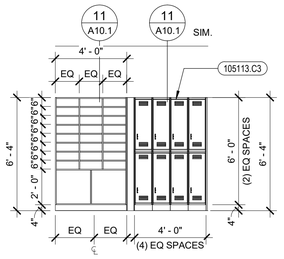
DATE: 10/28/2024
LKV PROJECT #: 2219

DRAWN BY: GB
CHECKED BY: RP

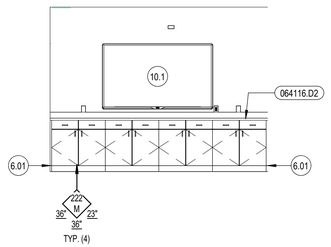
BID SET

DRAWING NO.:

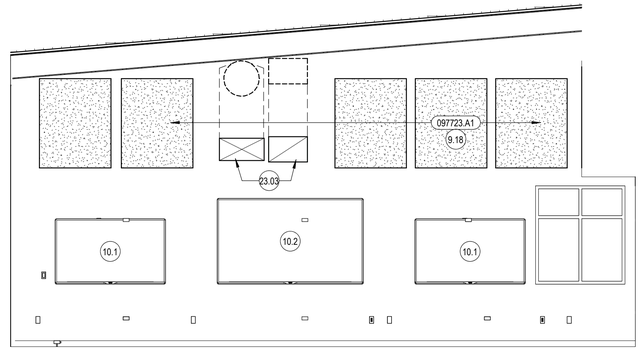
A8.7
DOOR DETAILS



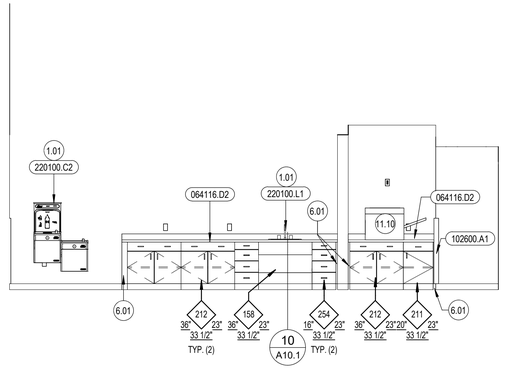
1 106 - WEST
1/4" = 1'-0"



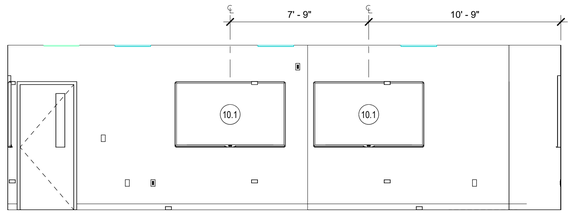
2 111 - NORTH
1/4" = 1'-0"



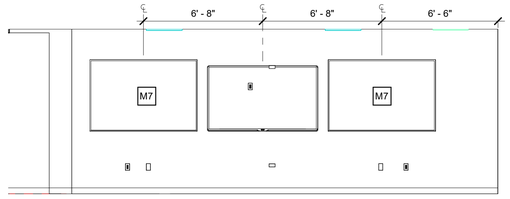
3 112 - WEST
1/4" = 1'-0"



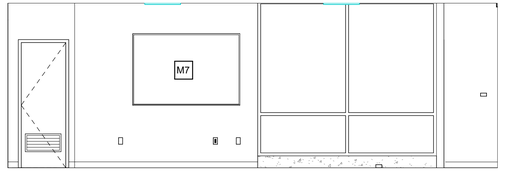
4 115 - SOUTH
1/4" = 1'-0"



5 116a - EAST
1/4" = 1'-0"



6 116a - NORTH
1/4" = 1'-0"



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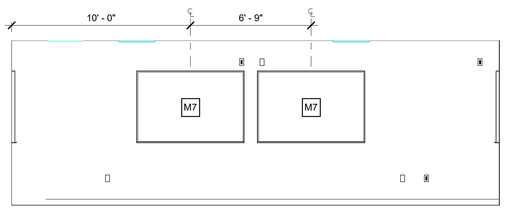
1/4" = 1'-0"



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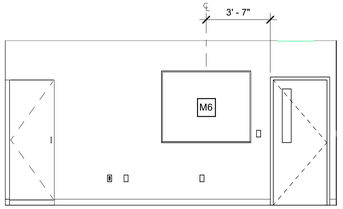
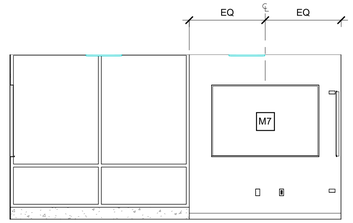
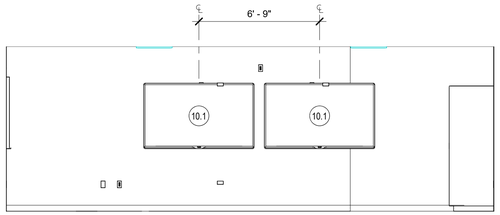
1/4" = 1'-0"



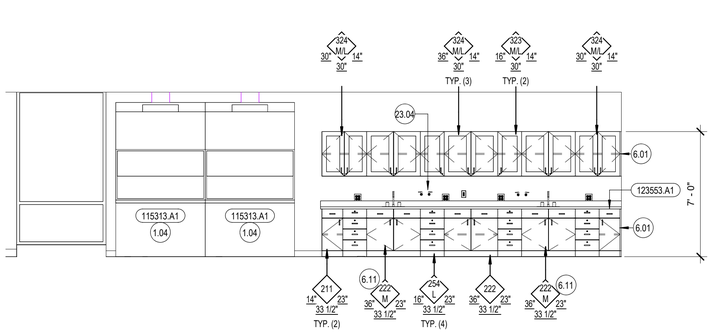
9 118 - NORTH
1/4" = 1'-0"



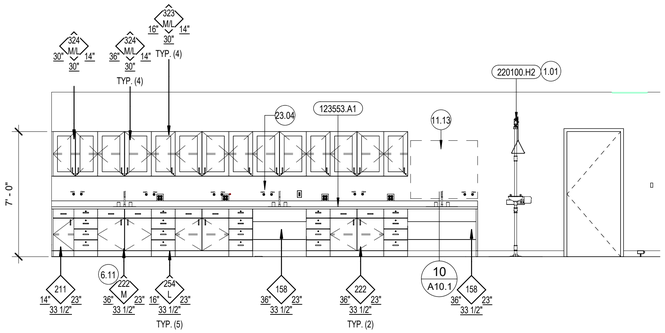
10 118 - SOUTH
1/4" = 1'-0"



11 118 - WEST
1/4" = 1'-0"



12 136 - NORTH
1/4" = 1'-0"



13 136 - SOUTH
1/4" = 1'-0"

General Notes

1. FIELD VERIFY ALL ROOM DIMENSIONS PRIOR TO FABRICATION OF MILLWORK AND ADJUST MILLWORK DIMENSIONS ACCORDINGLY.
2. ALL COUNTERTOP SPLASHES SHALL BE 4" HIGH UNLESS NOTED OTHERWISE.
3. ALL TOE KICK SPACES SHALL BE 4" HIGH UNLESS NOTED OTHERWISE. FURNISH AND INSTALL 4" BASE MATERIAL TO MATCH ROOM, TYPICAL.
4. FURNISH AND INSTALL SOLID WOOD BLOCKING, MINIMUM 1 1/2" THICK, AT STUD WALLS AND PARTITIONS FOR ATTACHMENT OF CABINETS, COUNTERTOPS, AND SHELVING UNITS.
5. TYPICAL CABINET CONSTRUCTION SHALL BE MIN. 3/4" MELAMINE COATED PARTICLE BOARD EXCEPT AT EXPOSED EXTERIOR SURFACES. EXPOSED EXTERIOR SURFACES SHALL HAVE HIGH PRESSURE DECORATIVE LAMINATE IN LIEU OF MELAMINE COATING UNLESS NOTED OTHERWISE. BACK PANELS SHALL BE MINIMUM 1/2" MELAMINE COATED PARTICLE BOARD UNLESS NOTED OTHERWISE, WHERE ALL CABINETS / SHELVING (W/O A COUNTER ABOVE) MEET AT AN INSIDE CORNER OF A ROOM, A HORIZONTAL CLOSURE PANEL SHALL BE PROVIDED AT THE TOP TO CLOSE OFF VOID SPACE BELOW.
6. TYPICAL COUNTERTOP CONSTRUCTION SHALL BE MINIMUM 3/4" PARTICLE BOARD WITH HIGH PRESSURE DECORATIVE LAMINATE AT TOPS, EDGES, AND BACKSPLASHES WITH 1 1/2" FRONT SELF EDGE UNLESS NOTED OTHERWISE. PROVIDE FRONT AND END OVERHANG OF 1" OVER BASE CABINETS. RADIUS OUTSIDE COUNTER CORNERS WITH 1" RADIUS.
7. FURNISH AND INSTALL 3mm PVC EDGE BANDING AS REQUIRED AT ALL EXPOSED CABINET FACE FRAME, SHELF, DOOR, AND DRAWER EDGES.
8. SEE TYPICAL MOUNTING HEIGHT DETAIL ON SHEET A1.2.
9. CONTRACTOR SHALL VERIFY ALL OWNER FURNISHED EQUIPMENT FOR REQUIRED DIMENSIONS AND SPECIFICATIONS.
10. SEE FLOOR PLANS AND SECTIONS FOR ADDITIONAL INFORMATION.

Reference Notes

1.01	SEE PLUMBING DRAWINGS
1.04	SEE MECHINICAL DRAWINGS
6.01	FILLER PANEL, 1" TYP. UNLESS NOTED OTHERWIDSE
6.11	SINK BASE WITH FALSE FRONT DRAWERS
9.18	(5) 4'X5' ACOUSTIC PANELS MOUNTED TO WALL.
10.1	72" T.V., OWNER FURNISHED, CONTRACTOR INSTALLED
10.2	96" T.V., OWNER FURNISHED, CONTRACTOR INSTALLED
11.10	PRINTER/FAX, OWNER FURNISHED, CONTRACTOR INSTALLED
11.13	DRY RACK, OWNER FURNISHED
23.03	THRU-WALL DUCT PENETRATIONS.
23.04	WALL MOUNTED GAS & AIR TURRETS

Keyed Notes

064116.D2	H.P. DECORATIVE LAMINATE - TOPS, EDGES, AND BACKSPLASH
097723.A1	FABRIC WRAPPED ACOUSTICAL PANEL(S)
102600.A1	CORNER GUARD, 90°, 7'-0"
105113.C3	METAL DRESSING LOCKERS, DOUBLE TIER. 12" WIDE X 18" DEEP.
115313.A1	FUME HOOD
123553.A1	EPOXY RESIN LABORATORY COUNTERTOP AND 4" BACKSPLASH
220100.C2	DUAL-HEIGHT DRINKING FOUNTAIN
220100.H2	OVERHEAD EYEWASH SHOWER
220100.L1	SINK

Marker/Tackboard Legend

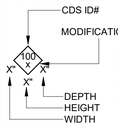
MB = MARKERBOARD
TB = TACKBOARD
TS = TACK STRIP

SYMBOL	WIDTH	HEIGHT	MOUNTING HEIGHT A.F.F. TO TOP U.N.O.
M4	4' - 0"	4' - 0"	7' - 0"
M6	5' - 0"	4' - 0"	7' - 0"
M7	6' - 0"	4' - 0"	7' - 0"

1. SEE SPECIFICATION 101100 FOR MARKER BOARDS

Casework Key

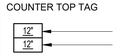
(PER THE WOODWORK INSTITUTE'S ARCHITECTURAL WOODWORK STANDARDS)



M= MODIFIED VERSION OF AWI CABINET MODEL REPRESENTED BY THE PRECEDING NUMBER.
L= LOCKABLE (064116.I1)
M/L= MODIFICATION / LOCKABLE (064116.I1)

MODEL NUMBER	INDICATES MODEL NUMBER OF AWI CABINET
MODIFICATION	A DESCRIPTION OF THE MODIFICATION MADE INDICATED BY THE (M) FOLLOWING THE MODEL NUMBER. SEE ADDITIONAL TEXT AND/OR REFERENCE NOTE.
WIDTH	INDICATES WIDTH OF CABINET, DIMENSIONED FROM OUTSIDE FACE TO OUTSIDE FACE.
DEPTH	INDICATES DEPTH OF CABINET, DIMENSIONED FROM FRONT FACE OF CABINET TO REAR FACE OF CABINET EXCLUDING CABINET DOOR WHEN APPLIES.
HEIGHT	INDICATES HEIGHT OF CABINET, DIMENSIONED FROM FACE OF FINISHED FLOOR TO TOP OF COUNTERTOP.

COUNTER TOP TAG



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Revisions		
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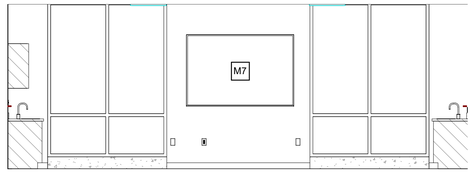
CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/2024
LKV PROJECT #: 2219

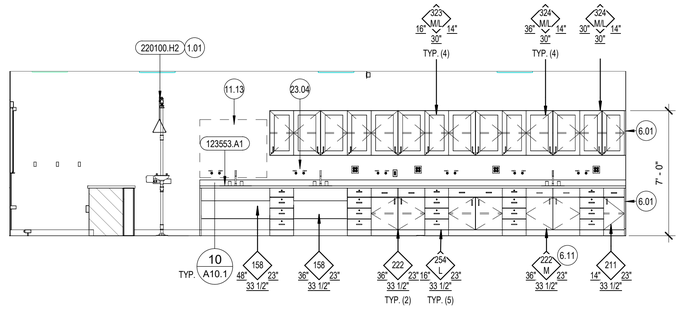
DRAWN BY: GB
CHECKED BY: RP

BID SET

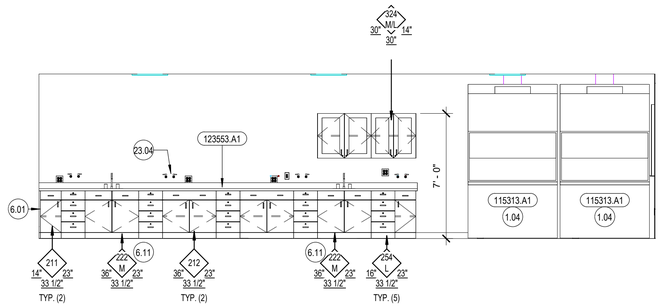
DRAWING NO.:
A9.1
INTERIOR ELEVATIONS



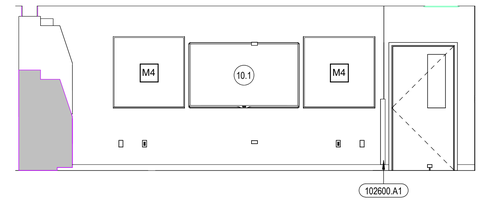
1 131 - EAST
1/4" = 1'-0"



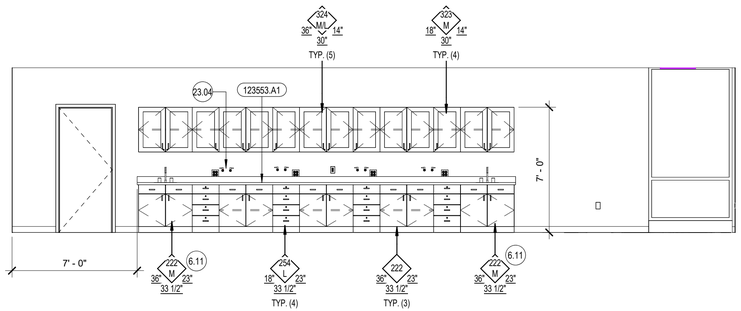
2 131 - NORTH
1/4" = 1'-0"



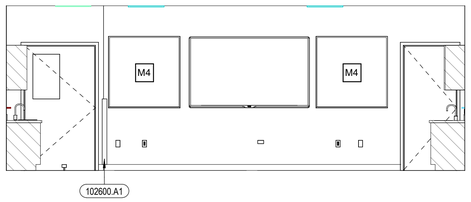
3 131 - SOUTH
1/4" = 1'-0"



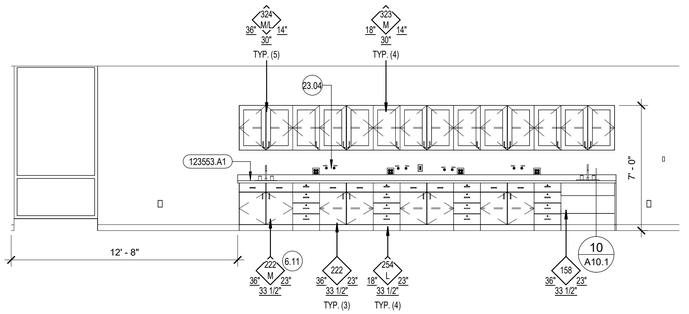
4 131 - WEST
1/4" = 1'-0"



5 133 - NORTH
1/4" = 1'-0"



6 133 - WEST
1/4" = 1'-0"



7 133 - SOUTH
1/4" = 1'-0"

General Notes

1. FIELD VERIFY ALL ROOM DIMENSIONS PRIOR TO FABRICATION OF MILLWORK AND ADJUST MILLWORK DIMENSIONS ACCORDINGLY.
2. ALL COUNTERTOP SPLASHES SHALL BE 4" HIGH UNLESS NOTED OTHERWISE.
3. ALL TOE KICK SPACES SHALL BE 4" HIGH UNLESS NOTED OTHERWISE. FURNISH AND INSTALL 4" BASE MATERIAL TO MATCH ROOM, TYPICAL.
4. FURNISH AND INSTALL SOLID WOOD BLOCKING, MINIMUM 1 1/2" THICK, AT STUD WALLS AND PARTITIONS FOR ATTACHMENT OF CABINETS, COUNTERTOPS, AND SHELVING UNITS.
5. TYPICAL CABINET CONSTRUCTION SHALL BE MIN. 3/4" MELAMINE COATED PARTICLE BOARD EXCEPT AT EXPOSED EXTERIOR SURFACES. EXPOSED EXTERIOR SURFACES SHALL HAVE HIGH PRESSURE DECORATIVE LAMINATE IN LIEU OF MELAMINE COATING UNLESS NOTED OTHERWISE. BACK PANELS SHALL BE MINIMUM 1/2" MELAMINE COATED PARTICLE BOARD UNLESS NOTED OTHERWISE, WHERE ALL CABINETS / SHELVING (W/O A COUNTER ABOVE) MEET AT AN INSIDE CORNER OF A ROOM, A HORIZONTAL CLOSURE PANEL SHALL BE PROVIDED AT THE TOP TO CLOSE OFF VOID SPACE BELOW.
6. TYPICAL COUNTERTOP CONSTRUCTION SHALL BE MINIMUM 3/4" PARTICLE BOARD WITH HIGH PRESSURE DECORATIVE LAMINATE AT TOPS, EDGES, AND BACKSPLASHES WITH 1 1/2" FRONT SELF EDGE UNLESS NOTED OTHERWISE. PROVIDE FRONT AND END OVERHANG OF 1" OVER BASE CABINETS. RADIUS OUTSIDE COUNTER CORNERS WITH 1" RADIUS.
7. FURNISH AND INSTALL 3mm PVC EDGE BANDING AS REQUIRED AT ALL EXPOSED CABINET FACE FRAME, SHELF, DOOR, AND DRAWER EDGES.
8. SEE TYPICAL MOUNTING HEIGHT DETAIL ON SHEET A1.2.
9. CONTRACTOR SHALL VERIFY ALL OWNER FURNISHED EQUIPMENT FOR REQUIRED DIMENSIONS AND SPECIFICATIONS.
10. SEE FLOOR PLANS AND SECTIONS FOR ADDITIONAL INFORMATION.

Reference Notes

1.01	SEE PLUMBING DRAWINGS
1.04	SEE MECHINICAL DRAWINGS
6.01	FILLER PANEL, 1" TYP. UNLESS NOTED OTHERWIDSE
6.11	SINK BASE WITH FALSE FRONT DRAWERS
10.1	72" T.V., OWNER FURNISHED, CONTRACTOR INSTALLED
11.13	DRY RACK, OWNER FURNISHED
23.04	WALL MOUNTED GAS & AIR TURRETS

Keyed Notes

102600.A1	CORNER GUARD, 90°, 7'-0"
115313.A1	FUME HOOD
123553.A1	EPOXY RESIN LABORATORY COUNTERTOP AND 4" BACKSPLASH
220100.H2	OVERHEAD EYEWASH SHOWER

Marker/Tackboard Legend

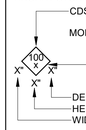
MB = MARKERBOARD
TB = TACKBOARD
TS = TACK STRIP

SYMBOL	WIDTH	HEIGHT	MOUNTING HEIGHT A.F.F. TO TOP U.N.O.
M4	4' - 0"	4' - 0"	7' - 0"
M6	5' - 0"	4' - 0"	7' - 0"
M7	6' - 0"	4' - 0"	7' - 0"

1. SEE SPECIFICATION 101100 FOR MARKER BOARDS

Casework Key

(PER THE WOODWORK INSTITUTE'S ARCHITECTURAL WOODWORK STANDARDS)



M= MODIFIED VERSION OF AWI CABINET MODEL REPRESENTED BY THE PRECEDING NUMBER.
L= LOCKABLE (064116.I1)
M/L= MODIFICATION / LOCKABLE (064116.I1)

MODEL NUMBER	INDICATES MODEL NUMBER OF AWI CABINET
MODIFICATION	A DESCRIPTION OF THE MODIFICATION MADE INDICATED BY THE (M) FOLLOWING THE MODEL NUMBER. SEE ADDITIONAL TEXT AND/OR REFERENCE NOTE.
WIDTH	INDICATES WIDTH OF CABINET, DIMENSIONED FROM OUTSIDE FACE TO OUTSIDE FACE.
DEPTH	INDICATES DEPTH OF CABINET, DIMENSIONED FROM FRONT FACE OF CABINET TO REAR FACE OF CABINET EXCLUDING CABINET DOOR WHEN APPLIES.
HEIGHT	INDICATES HEIGHT OF CABINET, DIMENSIONED FROM FACE OF FINISHED FLOOR TO TOP OF COUNTERTOP.

COUNTER TOP TAG

LKV ARCHITECTS
2400 E. Riverwalk Drive
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Revisions Description	Date
#	

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Jerome, Idaho

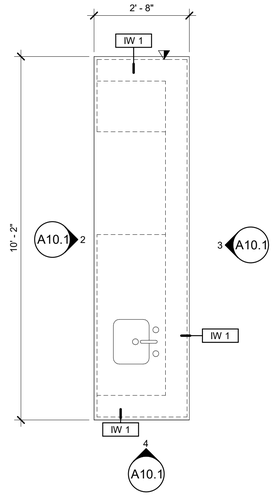
DATE: 10/28/2024
LKV PROJECT #: 2219

DRAWN BY: GB
CHECKED BY: RP

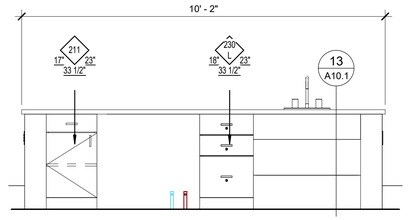
BID SET

DRAWING NO.:

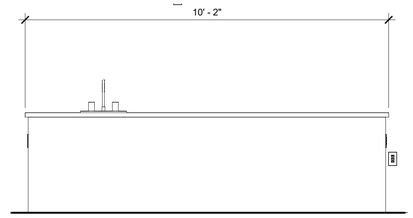
A9.2
INTERIOR ELEVATIONS



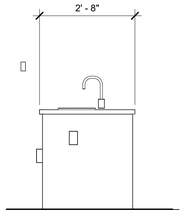
1 TEACHER STATION TOP VIEW
1/2" = 1'-0"



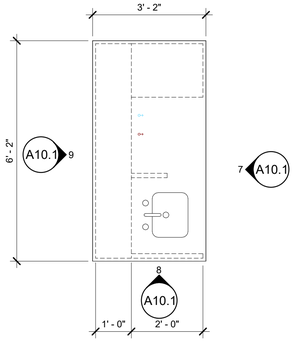
2 TEACHER STATION FRONT
1/2" = 1'-0"



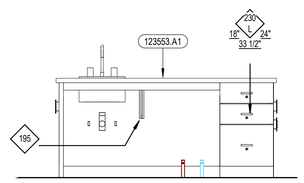
3 TEACHER STATION BACK ELEVATION
1/2" = 1'-0"



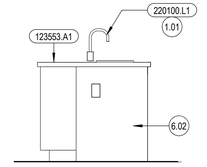
4 TEACHER STATION SIDE ELEVATION
1/2" = 1'-0"



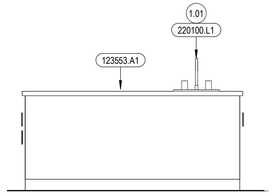
6 TEACHER STATION 02 TOP VIEW
1/2" = 1'-0"



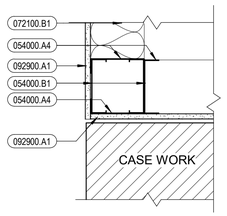
7 TEACHER STATION FRONT
1/2" = 1'-0"



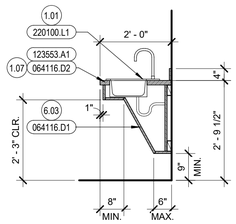
8 TEACHER STATION SIDE
1/2" = 1'-0"



9 TERACHER STATION BACK
1/2" = 1'-0"

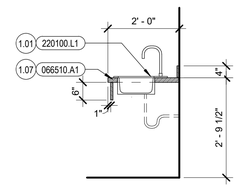


11 CASEWORK SOFFIT
1 1/2" = 1'-0"

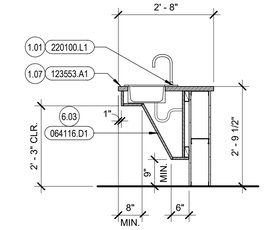


NOTE:
WHEN SINK LOCATION OCCURS AT THE END OF A COUNTER OR ADJACENT TO A PIECE OF EQUIPMENT, A SUPPORTING END PANEL SHALL BE INCLUDED.

10 ADA SINK SECTION
1/2" = 1'-0"



12 RESTROOM SINK SECTION
1/2" = 1'-0"



13 TEACHER STATION SECTION @ SINK
1/2" = 1'-0"

General Notes

1. FIELD VERIFY ALL ROOM DIMENSIONS PRIOR TO FABRICATION OF MILLWORK AND ADJUST MILLWORK DIMENSIONS ACCORDINGLY.
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3. ALL TOE KICK SPACES SHALL BE 4" HIGH UNLESS NOTED OTHERWISE. FURNISH AND INSTALL 4" BASE MATERIAL TO MATCH ROOM, TYPICAL.
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7. FURNISH AND INSTALL 3mm PVC EDGE BANDING AS REQUIRED AT ALL EXPOSED CABINET FACE FRAME, SHELF, DOOR, AND DRAWER EDGES.
8. SEE TYPICAL MOUNTING HEIGHT DETAIL ON SHEET A1.2.
9. CONTRACTOR SHALL VERIFY ALL OWNER FURNISHED EQUIPMENT FOR REQUIRED DIMENSIONS AND SPECIFICATIONS.
10. SEE FLOOR PLANS AND SECTIONS FOR ADDITIONAL INFORMATION.

Reference Notes

1.01	SEE PLUMBING DRAWINGS
1.07	WHERE OCCURS, SEE INTERIOR ELEVATION
6.02	FULLY FINISHED SIDE / END / LEG PANELS. TYPICAL AT UPPERS AND BASE CABINETS
6.03	REMOVABLE PANEL

Keyed Notes

054000.A4	STEEL STUD(S) 6", 14 GA. @ 16" O.C., U.N.O.
054000.B1	STEEL CEE JOIST 6", 16 GA. @ 18" O.C., U.N.O.
064116.D1	H.P. DECORATIVE LAMINATE - EXPOSED EXTERIOR SURFACES
064116.D2	H.P. DECORATIVE LAMINATE - TOPS, EDGES, AND BACKSPLASH
066510.A1	SOLID SURFACE COUNTERTOP
072100.B1	BATT INSULATION, GLASS FIBER, UNFACED FULL WIDTH OF CAVITY
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.
123553.A1	EPOXY RESIN LABORATORY COUNTERTOP AND 4" BACKSPLASH
220100.L1	SINK

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2400 E. Riverwalk Drive
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REGISTERED ARCHITECT
10/28/2024

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
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DATE: 10/28/2024
LKV PROJECT #: 2219

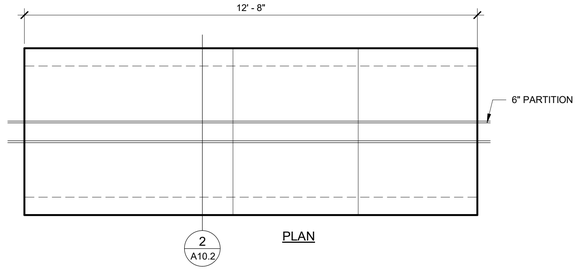
DRAWN BY: GB
CHECKED BY: RP

BID SET

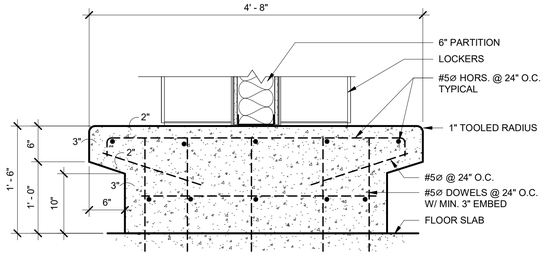
DRAWING NO.:
A10.1
MILLWORK

Keyed Notes

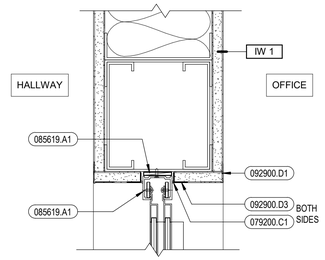
064116.B1	3/4" PLYWOOD, EXTERIOR GRADE
064116.D1	H.P. DECORATIVE LAMINATE - EXPOSED EXTERIOR SURFACES
079200.C1	LATEX JOINT SEALANT
085619.A1	PASS-THRU WINDOW UNIT
085619.B1	SHIM REQUIRED
092900.D1	METAL CORNER BEAD
092900.D3	METAL TRIM, L BEAD



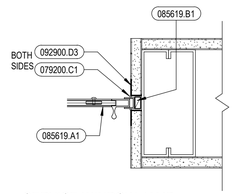
1 CONCRETE BENCH PLAN
1/2" = 1'-0"



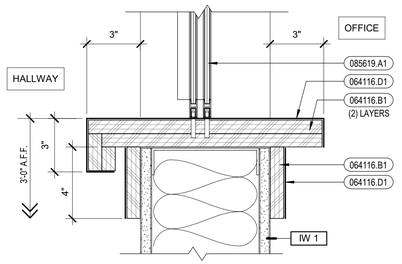
2 CONCRETE BENCH SECTION
1" = 1'-0"



3 SERVICE WINDOW HEAD
3" = 1'-0"



4 SERVICE WINDOW JAMB
3" = 1'-0"



5 SERVICE WINDOW COUNTER
3" = 1'-0"

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Revisions

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CHECKED BY: RP

BID SET

DRAWING NO.:

A10.2
INTERIOR DETAILS

1 REFLECTED CEILING PLAN
1/8" = 1'-0"

NORTH

General Notes

1. SEE SPECIFICATIONS FOR SUSPENDED PANEL INSTALLATION REQUIREMENTS.
2. SEE ROOM FINISH SCHEDULE SHEET A4.1 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.

Reference Notes

5.01	FABRICATED STEEL CANOPY W/ STANDING SEAM METAL ROOFING
5.15	EXPOSED STEEL BEAMS
5.16	EXPOSED STEEL TRUSSES
8.01	HIGH BAY CLERESTORY WINDOWS
9.05	CLOSURE WALL OVER COOLER.
9.11	(5) 4'X5' ACOUSTIC PANELS PER BAY BETWEEN BEAMS EQUALLY SPACED MOUNTED TO UNDERSIDE OF STEEL ROOF DECK.
9.12	(6) 4'X8' ACOUSTIC PANELS PER BAY BETWEEN TRUSSES MOUNTED TO UNDERSIDE OF STEEL ROOF DECK.
9.13	(4) 4'X8' ACOUSTIC PANELS PER BAY BETWEEN TRUSSES MOUNTED TO UNDERSIDE OF STEEL ROOF DECK.

Keyed Notes

074293.A1	METAL SOFFIT PANELS, PRE-FINISHED
074293.B1	METAL SOFFIT PANEL TRIM, PRE-FINISHED
084113.F1	ALUMINUM SUNSHADE
097723.A1	FABRIC WRAPPED ACOUSTICAL PANEL(S)
098413.A1	FIXED SOUND ABSORBING TECTUM WALL PANELS

Legend

- SUSPENDED ACOUSTIC CEILING PANELS ON 2' x 4' GRID
- 5/8" GYP. BD. CEILING ON METAL FURRING SYSTEM. (6 / A11.10)
- 5' .4" — FABRIC COVERED ACOUSTICAL CEILING PANEL
- 8' .4" — CEMENTITIOUS WOOD FIBER ACOUSTICAL CEILING PANEL

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LICENSED ARCHITECT
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DRAWN BY: GB
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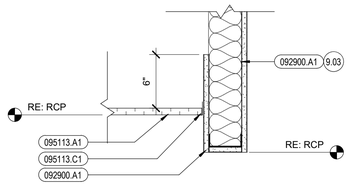
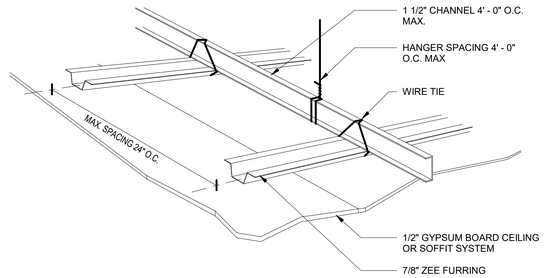
BID SET

DRAWING NO.:

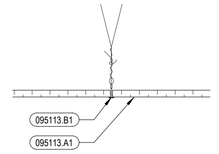
A11.1
REFLECTED CEILING PLAN



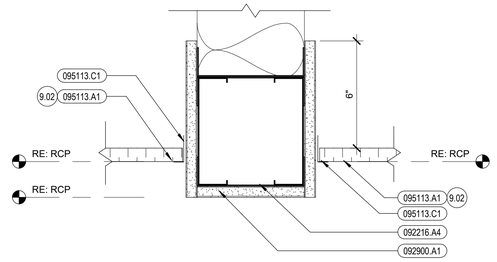
5 ACOUSTICAL CEILING @ GYP WALL
1 1/2" = 1'-0"



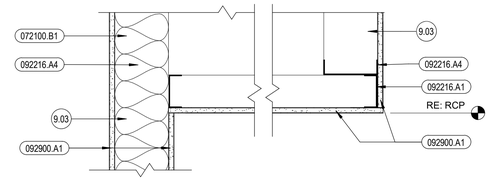
6 METAL FURRING CHANNEL
1 1/2" = 1'-0"



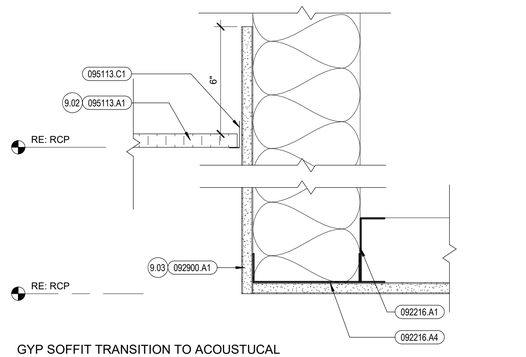
1 ACOUSTICAL CEILING - TYPE [SA-1]
1 1/2" = 1'-0"



2 ACCOUSTICAL CEILING SOFFIT
3" = 1'-0"



3 GYP SOFFIT
1 1/2" = 1'-0"



4 GYP SOFFIT TRANSITION TO ACOUSTUCAL CEILING
3" = 1'-0"

General Notes

1. SEE SPECIFICATIONS FOR SUSPENDED PANEL INSTALLATION REQUIREMENTS.
2. SEE ROOM FINISH SCHEDULE SHEET A4.1 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.

Reference Notes

9.02	SEE REFLECTED CEILING PLAN
9.03	SEE FLOOR PLAN FOR WALL TYPES

Keyed Notes

072100.B1	BATT INSULATION, GLASS FIBER, UNFACED FULL WIDTH OF CAVITY
092216.A1	STEEL STUD(S) 3 5/8" 20 GA. @ 16" O.C. U.N.O.
092216.A4	STEEL STUD(S) 6" 20 GA. @ 16" O.C. U.N.O.
092900.A1	SINGLE LAYER GYPSUM BOARD, 5/8" TYPE "X" U.N.O.
095113.A1	SUSPENDED ACOUSTICAL PANEL CEILING, STANDARD PANELS
095113.B1	SUSPENSION SYSTEM, INTERMEDIATE DUTY
095113.C1	WALL ANGLE TRIM

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#	Description	Date
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CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

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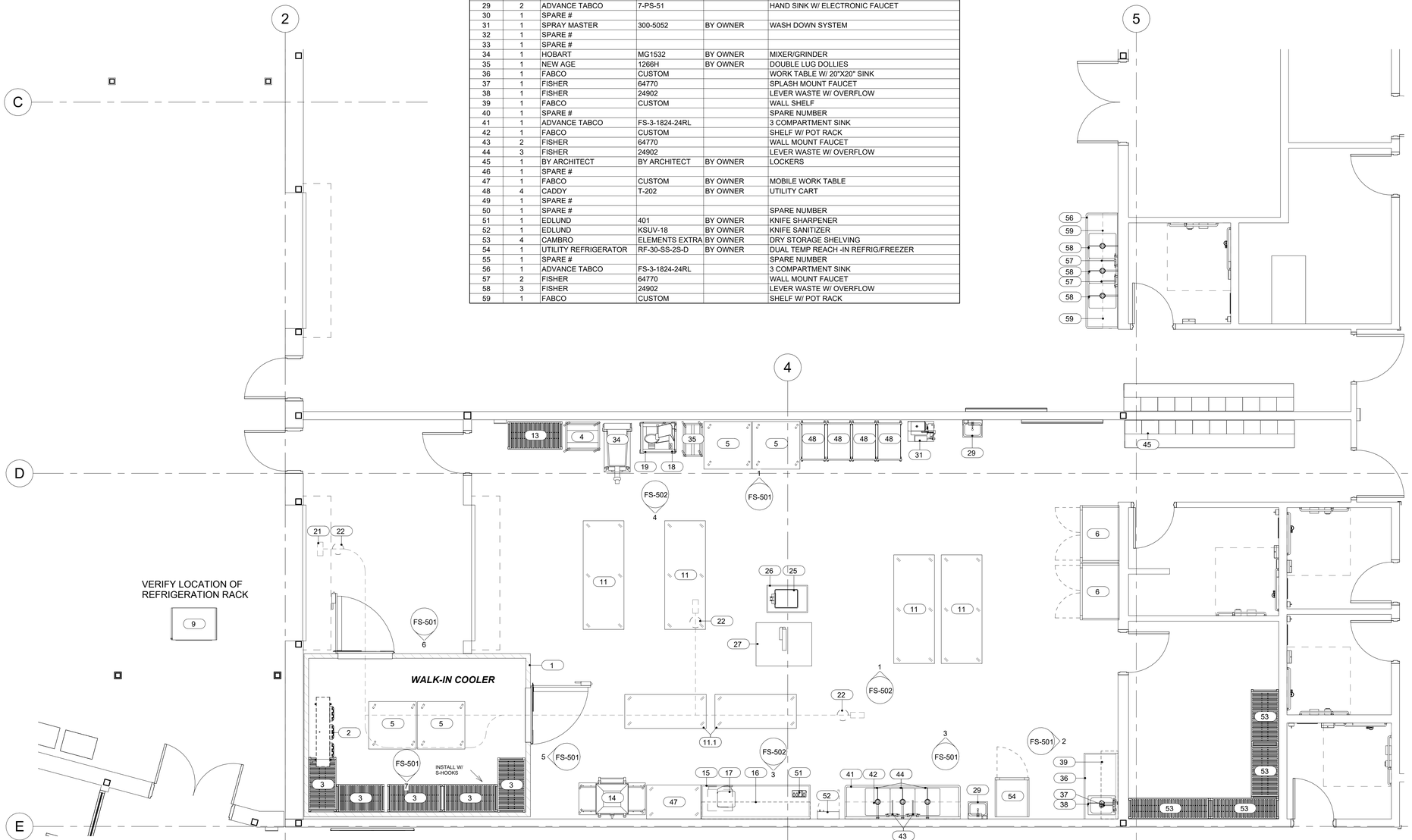
A11.10
REFLECTED CEILING DETAILS

FOODSERVICE EQUIPMENT SCHEDULE

ITEM	QTY	MANUFACTURER	MODEL	REMARKS	DESCRIPTION
1	1	RMI	CUSTOM		WALK-IN COOLER
2	1	RMI	LEL0155AS6AM		COOLER EVAPORATOR
3	5	CAMBRO	ELEMENTS EXTRA	BY OWNER	COOLER SHELVING
4	1	ADVANCE TABCO	UR-10	BY OWNER	SHEET PAN RACK
5	4	FABCO	CUSTOM	BY OWNER	MEAT CART
6	2	UTILITY REFRIGERATOR	F-50-SS-2S-D	BY OWNER	REACH-IN FREEZER, 2-DOOR
7	1	SPARE #			
8	1	SPARE #			
9	1	RMI	CUSTOM		COOLER COMPRESSOR
10	1	SPARE #			SPARE NUMBER
11	4	FABCO	CUSTOM	BY OWNER	36"x96" POLY BOARD WORK TABLES, CASTERS
11.1	2	FABCO	CUSTOM	BY OWNER	36"x72" POLY BOARD WORK TABLES, CASTERS
12	1	SPARE #			
13	1	CAMBRO	ELEMENTS EXTRA	BY OWNER	COOLER SHELVING
14	1	HENKELMEN	POLAR 2-50	BY OWNER	VACUUM PACKAGING SYSTEM
15	1	FABCO	CUSTOM	BY OWNER	WORK TABLE W/ 4-TIER DRAWER
16	1	FABCO	CUSTOM		WALL SHELF
17	1	HOBART	HTI-7LH4	BY OWNER	SCALE W/ LABELER
18	1	GLOBE	SG13A	BY OWNER	SLICER SEMI AUTOMATIC
19	1	CADDY	T-243	BY OWNER	SLICER CART
20	1	SPARE #			
21	1	THE HOOK SHOP	CUSTOM	BY OWNER	TWO RAIL OVERHEAD TROLLEY SYSTEM
22	3	EAZE OFF	EZ4SS	BY OWNER	S/S REMOTE CONTROLLED WINCH
23	1	SPARE #			SPARE NUMBER
24	1	SPARE #			SPARE NUMBER
25	1	HOBART	HBR3201	BY OWNER	PLATFORM SCALE
26	1	FABCO	CUSTOM	BY OWNER	EQUIPMENT STAND W/ 4 LOCKING BRAKE/CASTERS
27	1	HOBART	6801	BY OWNER	17" BAND SAW
28	1	SPARE #			
29	2	ADVANCE TABCO	7-PS-51		HAND SINK W/ ELECTRONIC FAUCET
30	1	SPARE #			
31	1	SPRAY MASTER	300-5052	BY OWNER	WASH DOWN SYSTEM
32	1	SPARE #			
33	1	SPARE #			
34	1	HOBART	MG1532	BY OWNER	MIXER/GRINDER
35	1	NEW AGE	1266H	BY OWNER	DOUBLE LUG DOLLIES
36	1	FABCO	CUSTOM		WORK TABLE W/ 20"X20" SINK
37	1	FISHER	64770		SPLASH MOUNT FAUCET
38	1	FISHER	24902		LEVER WASTE W/ OVERFLOW
39	1	FABCO	CUSTOM		WALL SHELF
40	1	SPARE #			SPARE NUMBER
41	1	ADVANCE TABCO	FS-3-1824-24RL		3 COMPARTMENT SINK
42	1	FABCO	CUSTOM		SHELF W/ POT RACK
43	2	FISHER	64770		WALL MOUNT FAUCET
44	3	FISHER	24902		LEVER WASTE W/ OVERFLOW
45	1	BY ARCHITECT	BY ARCHITECT	BY OWNER	LOCKERS
46	1	SPARE #			
47	1	FABCO	CUSTOM	BY OWNER	MOBILE WORK TABLE
48	4	CADDY	T-202	BY OWNER	UTILITY CART
49	1	SPARE #			
50	1	SPARE #			SPARE NUMBER
51	1	EDLUND	401	BY OWNER	KNIFE SHARPENER
52	1	EDLUND	KSUV-18	BY OWNER	KNIFE SANITIZER
53	4	CAMBRO	ELEMENTS EXTRA	BY OWNER	DRY STORAGE SHELVING
54	1	UTILITY REFRIGERATOR	RF-30-SS-2S-D	BY OWNER	DUAL TEMP REACH -IN REFRIG/FREEZER
55	1	SPARE #			SPARE NUMBER
56	1	ADVANCE TABCO	FS-3-1824-24RL		3 COMPARTMENT SINK
57	2	FISHER	64770		WALL MOUNT FAUCET
58	3	FISHER	24902		LEVER WASTE W/ OVERFLOW
59	1	FABCO	CUSTOM		SHELF W/ POT RACK



1 FOODSERVICE EQUIPMENT PLAN
1/4" = 1'-0"

TO ASSURE ACCURATE PROPOSALS THESE PLANS MUST BE BID WITH THE COMPLETE FOODSERVICE EQUIPMENT SPECIFICATIONS INCLUDING GENERAL AND SPECIFIC CONDITIONS PREPARED BY THE FOODSERVICE CONSULTANT. MANUFACTURER DATA (CUT SHEETS) INDICATE REPRESENTATIVE EQUIPMENT SELECTION ONLY AND ARE NOT TO BE CONSIDERED SPECIFICATIONS.

THIS DRAWING IS INTENDED TO PROVIDE INFORMATION TO BE INCLUDED ON THE ARCHITECTS / ENGINEERS DOCUMENTS. IT IS NOT INTENDED AND SHOULD NOT BE USED FOR CONSTRUCTION.

FOOD SERVICE EQUIPMENT CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS & BE RESPONSIBLE FOR FIELD FIT & QUALITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE FSE CONTRACTOR FOR ANY ERROR OR NEGLECT ON THEIR PART.

DIMENSIONED DRAWINGS TO BE PROVIDED BY FOOD SERVICE EQUIPMENT CONTRACTOR AFTER AWARD OF CONTRACT DURING CONSTRUCTION PHASE.

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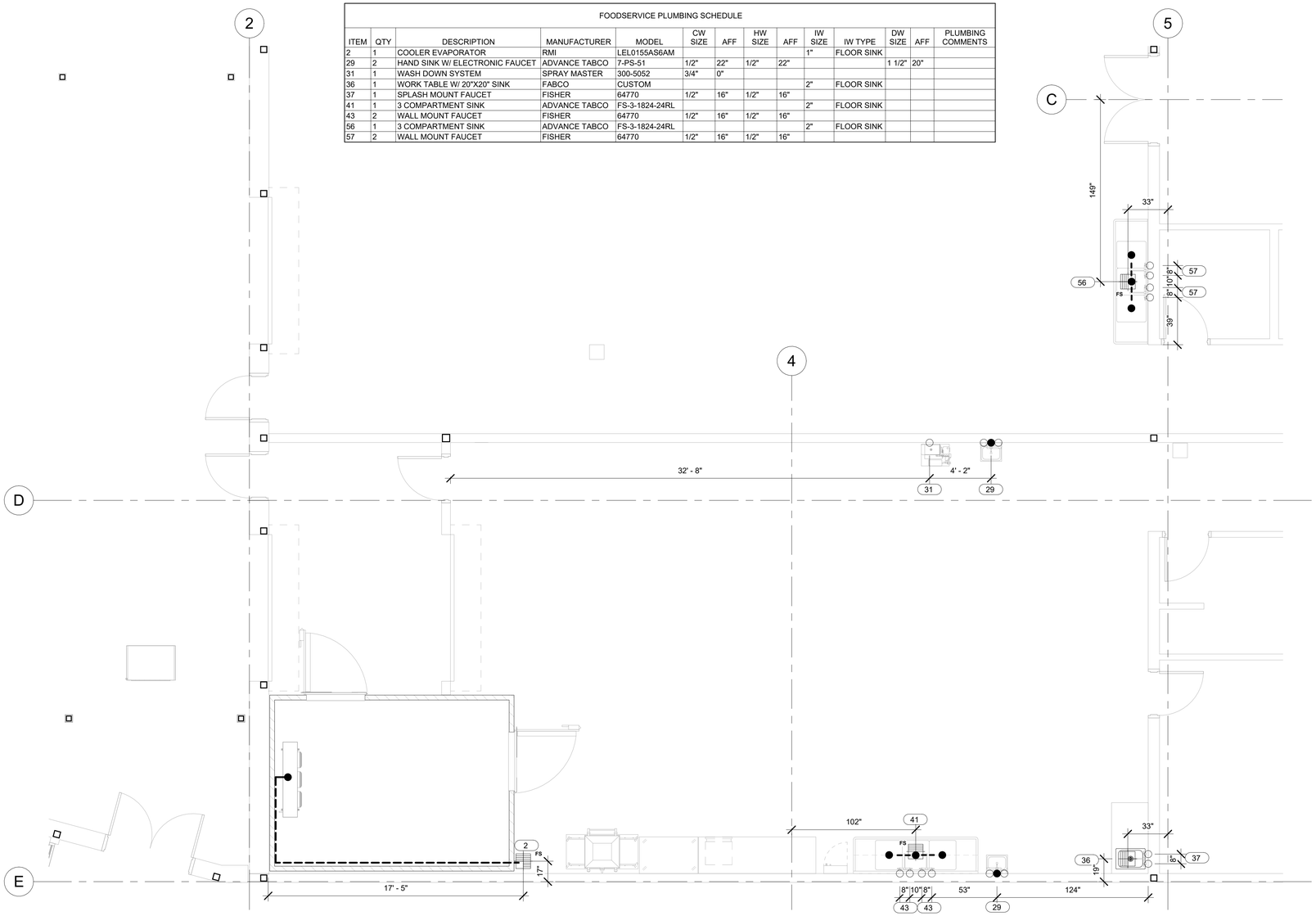
FOODSERVICE EQUIPMENT PLAN & SCHEDULE

PLUMBING NOTES

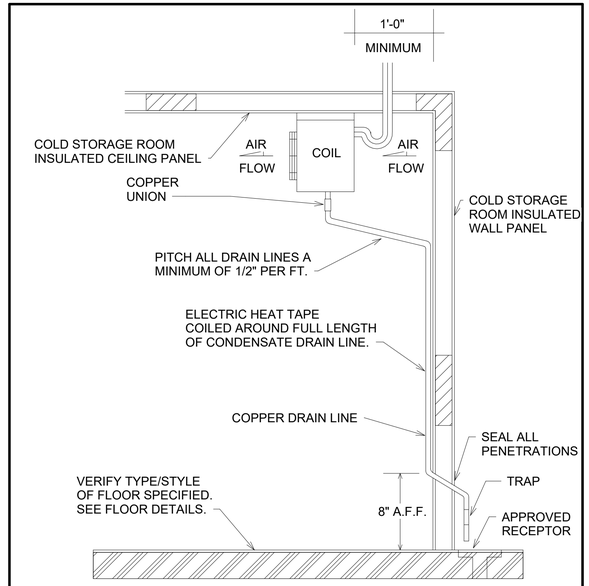
1. PLUMBING PLANS SHOWS ROUGH-IN AND CONNECTION LOCATIONS WITH CAPACITIES - SEE ROUGH-IN DRAWINGS FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR FOR ACTUAL ROUGH-IN LOCATIONS.
2. ROUGH-INS FOR WATER, WWASTE, FUEL GAS AND STEAM SERVICES SHALL EXTEND 6" (220 MM) BEYOND FINISH WALLS AND ABOVE FINISH FLOORS OR EQUIPMENT PADS - ALL FLOOR PENETRATIONS SHALL BE SEALED WATER TIGHT.
3. WATER PRESSURE IN FOOD, SERVICE AND BEVERAGES AREAS SHOULD BE 50 PSIG. (344,750 N/M) MAXIMUM - WATER PRESSURE AT DISHMACHINES, BOOSTER HEATERS, GLASS AND UTENSIL WASHERS TO BE 25 PSIG (172,375 M/M).
4. STEAM PRESSURE FOR FOOD SERVICE EQUIPMENT TO TO BE _____ UNLESS INDICATED OTHERWISE ON PLAN.
5. DIVISION 22 SHALL FURNISH AND INSTALL ALL NECESSARY VALVES, TRAPS, TAIL PIECES, LINE STRAINERS, PRESSURE REDUCING VALVES AND VACUUM BREAKERS AND CONNECT ALL WATER, FUEL GAS, STEAM AND WASTE LINES TO FOODSERVICE EQUIPMENT.
6. DIVISION 22 TO PROVIDE GAS SERVICES AT EQUIPMENT TO MAINTAIN AN 8" WATER COLUMN. FOOD SERVICE EQUIPMENT CONTRACTOR TO PROVIDE GAS PRESSURE REGULATORS AS REQUIRED BY CODE AND A.G.A. FOR INSTALLATION BY DIVISION 22 IN LINE BETWEEN BUILDING SERVICES AND EQUIPMENT.
7. DIVISION 22 SHALL INSTALL & CONNECT ALL FAUCETS AND DRAINS FURNISHED WITH FOOD SERVICE AND BEVERAGE EQUIPMENT.
8. DIVISION 22 SHALL FURNISH & INSTALL ALL INDIRECT WASTE LINES FROM FOOD SERVICE AND BEVERAGE EQUIPMENT (EXCEPT EVAPORATOR COILS IN COLD STORAGE ROOMS) TO FLOOR SINKS AND INSULATE WASTE LINES FROM ICE BINS, EVAPORATORS AND BAIN MARIES.
9. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH & INSTALL FIRE SUPPRESSION SYSTEM. FSE CONTRACTOR SHALL FURNISH & DIVISION 22 SHALL INSTALL NORMALLY OPEN MECHANICALLY ACTIVATED OR ELECTRICAL SOLENOID GAS SHUT-OFF VALVE ABOVE SUSPENDED CEILING TILE.
10. WHERE PERMITTED BY LOCAL CODE, FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FINISH FLOOR WITH GRATE COVER AS INDICATED.
11. THIS PLUMBING PLAN IS INTENDED TO SHOW DRAINAGE REQUIREMENTS FOR FOODSERVICE EQUIPMENT ONLY. IT IS THE PLUMBING ENGINEER'S RESPONSIBILITY TO CONFIRM DRAIN TYPE, CAPACITY & ELEVATION TO SATISFY LOCAL CODE REQUIREMENTS.
12. SEWAGE AND LIQUID WASTES (ROOF DRAINS) ARE TO BE CARRIED TO THE SEWER IN A MANNER THAT PROTECTS THE PREMISES, THE PERSONNEL AND CONTENTS WITHIN THE ESTABLISHMENT FROM CONTAMINATION. THE PLUMBING ENGINEER IS TO DESIGN WASTE PIPING SYSTEMS THAT CONFORM TO LOCAL HEALTH CODE REQUIREMENTS. PARTICULAR ATTENTION NEEDS TO BE GIVEN TO ANY LOCAL REQUIREMENTS PREVENTING WASTE PIPING (EXPOSED OR CONCEALED) FROM BEING ROUTED OVERHEAD IN AREAS USED FOR FOOD STORAGE, PREPARATION, SERVICE, WAREWASHING AND TRANSPORTATION.
13. GENERAL PURPOSE AREA DRAINS SHALL BE LOCATED AND SPECIFIED BY THE PLUMBING ENGINEER. THIS IS OF PARTICULAR IMPORTANCE WHEN LOCAL CODES REQUIRE THAT DRAINS ACCEPTING INDIRECT WASTE BE SET ABOVE THE FINISHED FLOOR.
14. DIVISION 22 TO RUN WASTES TO GREASE INTERCEPTOR PER LOCAL CODES. GREASE INTERCEPTOR, IF REQUIRED, IS TO BE SIZED AND LOCATED BY THE PLUMBING ENGINEER. WASTE ROUGH-IN FOR DISCHARGE PIPING FROM A SURFACE MOUNTED GREASE INTERCEPTOR IS TO BE DIMENSIONED BY THE PLUMBING ENGINEER.
15. DIVISION 22 SHALL INSTALL WATER FILTER SYSTEMS PROVIDED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR TO SERVICE ICE MAKERS, COFFEE MAKERS/ URNS, SODA SYSTEMS, STEAMERS, ETC.
16. FOOD SERVICE EQUIPMENT CONTRACTOR TO PROVIDE , DIVISION 22 TO INSTALL, FLEXIBLE CONNECTORS FOR FOODSERVICE & BEVERAGE EQUIPMENT REQUIRING GAS, WATER & STEAM CONNECTIONS. REFER TO PLUMBING SCHEDULE AND CONTRACT DOCUMENTS.

FOODSERVICE PLUMBING SCHEDULE

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL	CW SIZE	AFF	HW SIZE	AFF	IW SIZE	IW TYPE	DW SIZE	AFF	PLUMBING COMMENTS
2	1	COOLER EVAPORATOR	RMI	LEL0155AS6AM					1"	FLOOR SINK			
29	2	HAND SINK W/ ELECTRONIC FAUCET	ADVANCE TABCO	7-PS-51	1/2"	22"	1/2"	22"			1 1/2"	20"	
31	1	WASH DOWN SYSTEM	SPRAY MASTER	300-5052	3/4"	0"							
36	1	WORK TABLE W/ 20"X20" SINK	FABCO	CUSTOM					2"	FLOOR SINK			
37	1	SPLASH MOUNT FAUCET	FISHER	64770	1/2"	16"	1/2"	16"					
41	1	3 COMPARTMENT SINK	ADVANCE TABCO	FS-3-1824-24RL					2"	FLOOR SINK			
43	2	WALL MOUNT FAUCET	FISHER	64770	1/2"	16"	1/2"	16"					
56	1	3 COMPARTMENT SINK	ADVANCE TABCO	FS-3-1824-24RL					2"	FLOOR SINK			
57	2	WALL MOUNT FAUCET	FISHER	64770	1/2"	16"	1/2"	16"					



1 FOODSERVICE PLUMBING PLAN
1/4" = 1'-0"



EXTEND EACH CONDENSATE DRAIN LINE SEPARATELY. HANG EVAPORATOR COIL A MINIMUM OF 12" FROM WALL PARTITIONS. ALL WORK SHALL BE DONE ACCORDING TO STATE AND LOCAL CODES. VERIFY/COORDINATE ALL DATA WITH MANUFACTURER'S SHOP DRAWINGS.

1P	WIC Drain Line	
Scale: N.T.S.	Evaporator Coil Drain Line	FES_SDP1_1/2013

NOTE:
ONLY EQUIPMENT SPECIFIC PLUMBING REQUIREMENTS ARE SHOWN ON THIS DRAWING. ANY ADDITIONAL PLUMBING DEVICES/CONNECTIONS AS SHOWN ON THE PLUMBING CONTRACT DRAWINGS MUST BE PROVIDED AND INSTALLED BY PLUMBING SUBCONTRACTOR.

PLUMBING CONNECTION LEGEND

- HW-HOT WATER, OR CW-COLD WATER
- GAS
- STEAM SUPPLY
- STEAM RETURN
- WASTE, DIRECT-CONNECTED UNLESS NOTED "OPEN HUB"
- FLOOR DRAIN
- FLOOR DRAIN WITH ATTACHED FUNNEL
- FLOOR SINK WITH HALF GRATE UNLESS NOTED OTHERWISE
- FIELD CONNECTIONS
- CWS — CONDENSER WATER SUPPLY
- CWR — CONDENSER WATER RETURN
- FCW — FILTERED COLD WATER
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- AFF — ABOVE FINISHED FLOOR
- DFA — DOWN FROM ABOVE
- BTC — BRANCH TO CONNECTION
- P.C. — PLUMBING CONTRACTOR
- NIC — NOT IN CONTRACT

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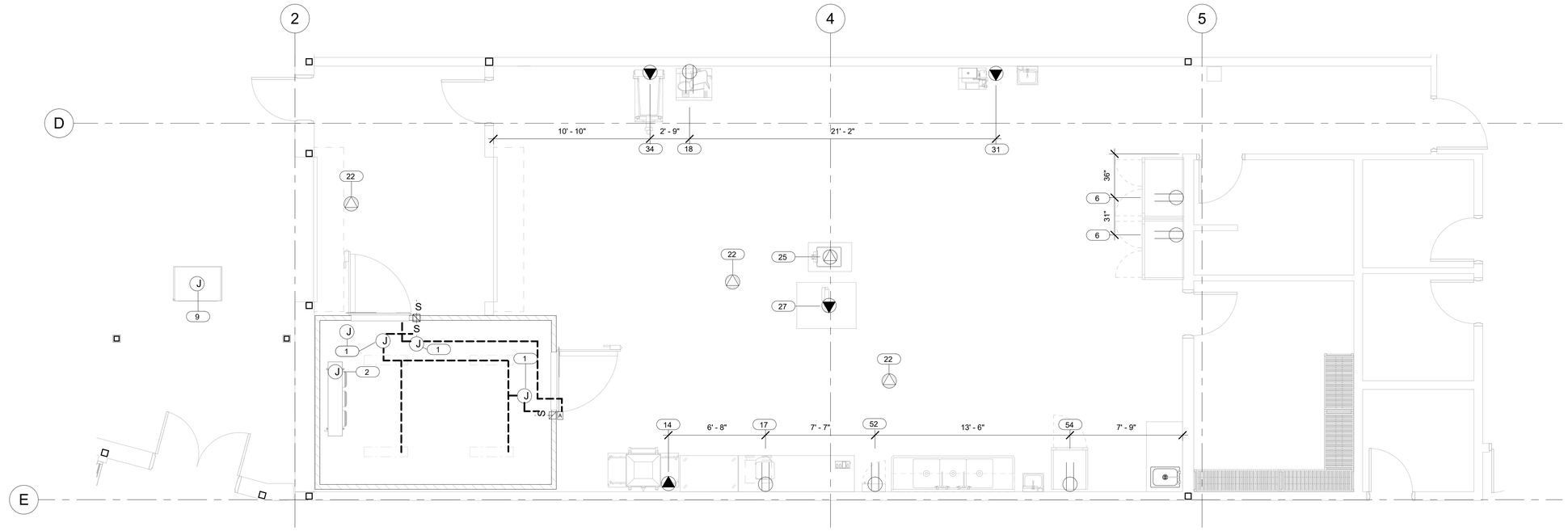
FOODSERVICE EQUIPMENT PLUMBING ROUGH-INS



1 FOODSERVICE ELECTRICAL PLAN

1/4" = 1'-0"

ELECTRICAL NOTES

1. ELECTRICAL PLAN SHOWS ROUGH-IN AND CONNECTION LOCATIONS WITH CAPACITIES - SEE ROUGH-IN DRAWINGS FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR FOR ACTUAL ROUGH-IN LOCATIONS
2. ELECTRICAL SYSTEM IS DESIGNED FOR _____ VOLTS, _____ PHASE, _____ HERTZ, _____WIRE SYSTEM.
3. DIVISION 26 SHALL FURNISH AND INSTALL ALL JUNCTION BOXES, RECEPTACLES, COVER PLATES, PULL BOXES, CONDUIT AND WIRING EXCEPT WHERE NOTED.
4. ALL CONDUIT RUNS INDICATED FOR REFRIGERATION, DRINK AND LIQUOR SYSTEM LINES SHALL BE FURNISHED AND INSTALLED BY DIVISION 26 - CONDUIT SHALL HAVE 24" MINIMUM RADIUS BENDS. REFER TO BUILDING WORKS PLAN FOR ROUTING AND DETAILS.
5. DIVISION 26 TO FURNISH & INSTALL SAFETY DISCONNECT SWITCHES WHER REQUIRED, REFER TO ELECTRICAL SCHEDULE & CONTRACT DOCUMENTS. SDS TO BE S/S OR ALUMINUM.
6. FSE CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL WORK FOR FABRICATED EQUIPMENT ITEMS (CHEF'S COUNTER, TABLES, ETC.) AS NOTED: COMPLETEWITH JUNCTION BOXES, CONDUIT, SURFACE MOUNTED ELECTRIC BOXES, COVER PLATES, ELECTRIC RACEWAYS AND CIRCUIT BREAKER PANEL, WHEN SPECIFIED. DIVISION 26 SHALL PULL WIRING AND MAKE FINAL CONNECTION.
7. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH & INSTALL VAPOR PROOF VENTILATOR LIGHTS COMPLETE WITH LAMPS - INTERCONNECTING CONDUIT, WIRING AND WALL SWITCH FURNISHED AND INSTALLED BY DIVISION 26.
8. ADDITIONAL CONVENIENCE RECEPTACLES, TELEPHONE AND INTERCOM JACKS SHALL BE LOCATED BY THE ARCHITECT.
9. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH & INSTALL DISPOSER SWITCH - DIVISION 26 SHALL FURNISH AND INSTALL INTERCONNECTING CONDUIT AND WIRING BETWEEN SWITCH AND DISPOSER AND COMPONENTS.
10. DIVISION 26 TO FURNISH & INSTALL ALL INTERCONNECTING CONDUIT & WIRING BETWEEN MICROSWITCH FURNISHED WITH FIRE SUPPRESSION SYSTEM SUPPLIED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR. CONTRACTORS FURNISHED BY DIVISION 26.
11. DIVISION 26 TO FURNISH & INSTALL SHUNT TRIP TYPE BREAKER DISCONNECT TO FOOD SERVICE EQUIPMENT UNDERNEATH EXHAUST VENTILATOR. COORDINATE SHUNT TRIP BREAKER REQUIREMENTS WITH FOOD SERVICE EQUIPMENT CONTRACTOR.
12. DIVISION 26 TO FURNISH & INSTALL INTERCONNECTION CONDUIT AND WIRING (2 WIRE 24 VDC) BETWEEN ALARM PANEL AND COLD STORAGE ROOM ALARM THERMOSTAT - PANEL AND THERMOSTAT FURNISHED AND INSTALLED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.
13. PRE - FABRICATED COLD STORAGE ROOMS ARE FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR COMPLETE WITH SPLICE BOXES, LIGHT FIXTURES, LAMPS, LIGHT SWITCHES AND DOOR HEATERS - DIVISION 26 TO INSTALL SAME AND SHALL FURNISH AND INSTALL INTERCONNECTING CONDUIT, WIRING, SEAL - OFFS, SEALANT AND MAKE ALL FINAL CONNECTIONS.
14. DIVISION 26 TO FURNISH & INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN FOOD SERVICE EQUIPMENT CONTRACTOR FURNISHED LOW TEMP COLD STORAGE ROOM EVAPORATOR TERMINAL BLOCK, SWITCH, FAN DOOR SWITCH AND COMPRESSOR CONTROL PANEL.
15. DIVISION 26 TO FURNISH & INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN FOOD SERVICE EQUIPMENT CONTRACTOR FURNISHED LOW TEMP COLD STORAGE ROOM EVAPORATOR TERMINAL BLOCK, ROOM THERMOSTAT, LIQUID LINE SOLENOID VALVE, FAN DOOR SWITCH/RELAY, EVAPORATOR COIL DRAIN LINE HEAT TAPE AND COMPRESSOR CONTROL PANEL.
16. DIVISION 26 TO FURNISH & INSTALL EMPTY CONDUIT WITH J-BOXES FOR INSTALLATION OF OWNER SUPPLIED ELECTRONIC CASH CONTROL SYSTEM. DIVISION 26 TO VERIFY INSTALLATION IN ACCORDANCE WITH OWNER'S REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS.

FOODSERVICE ELECTRICAL SCHEDULE

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL	VOLTS	PHASE	AMPS	ELEC TYPE	AFF	ELECTRICAL COMMENTS
1	1	WALK-IN COOLER	RMI	CUSTOM	120 V	1	15.00 A	JBOX		STUB DOWN; SEE MANUFACTURER DRAWINGS FOR DETAILS
2	1	COOLER EVAPORATOR	RMI	LEL0155AS6AM	120 V	1	2.70 A	JBOX		STUB DOWN; SEE MANUFACTURER DRAWINGS FOR DETAILS
6	2	REACH-IN FREEZER, 2-DOOR	UTILITY REFRIGERATOR	F-50-SS-2S-D	120 V	1	17.10 A	5-20P	72"	
9	1	COOLER COMPRESSOR	RMI	CUSTOM	208 V	3	10.60 A	JBOX		SEE MANUFACTURER DRAWINGS FOR DETAILS
14	1	VACUUM PACKAGING SYSTEM	HENKELMEN	POLAR 2-50	208 V	1	24.00 A	L15-30	36"	
17	1	SCALE W/ LABELER	HOBART	HTI-7LH4	120 V	1	1.42 A	5-15P	48"	
18	1	SLICER SEMI AUTOMATIC	GLOBE	SG13A	120 V	1	2.50 A	5-15P	48"	
22	3	S/S REMOTE CONTROLLED WINCH	EAZE OFF	EZ4SS	120 V	1	14.00 A	15-20P	0"	
25	1	PLATFORM SCALE	HOBART	HBR3201	120 V	1	20.00 A	5-15P	0"	CORD AND PLUG TO UDS SYSTEM
27	1	17" BAND SAW	HOBART	6801	208 V	1	16.50 A		0"	CORD AND PLUG TO UDS SYSTEM
31	1	WASH DOWN SYSTEM	SPRAY MASTER	300-5052	208 V	1	30.00 A		0"	DUAL POWER NEEDED: 208V/1PH/30A & 120V/1PH/20A
34	1	MIXER/GRINDER	HOBART	MG1532	208 V	3	30.00 A	L15-30P	48"	
51	1	KNIFE SHARPENER	EDLUND	401	120 V	1	1.00 A	5-15P	48"	
52	1	KNIFE SANITIZER	EDLUND	KSUV-18	120 V	1	0.60 A	5-15P	48"	
54	1	DUAL TEMP REACH -IN REFRIG/FREEZER	UTILITY REFRIGERATOR	RF-30-SS-2S-D	120 V	1	0.00 A	5-20P	66"	DUAL RECEPTACLE; 13.3A, NEMA 5-20P; 7A, NEMA 5-15P

NOTE:
ONLY EQUIPMENT SPECIFIC ELECTRICAL REQUIREMENTS ARE SHOWN ON THIS DRAWING. ANY ADDITIONAL ELECTRICAL DEVICES/CONNECTIONS AS SHOWN ON THE ELECTRICAL CONTRACT DRAWINGS MUST BE PROVIDED AND INSTALLED BY ELECTRICAL SUBCONTRACTOR.

ELECTRICAL CONNECTION LEGEND

- DUPLEX RECEPT., 20-AMP, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- SIMPLEX RECEPT., 20-AMP, 120-VOLT GROUND TYPE, HORIZONTAL MOUNT
- SPECIAL PURPOSE OUTLET, 120-VOLT GROUND TYPE, HORIZONTAL MOUNT
- SPECIAL PURPOSE OUTLET, 120/208-VOLT AS INDICATED, GROUND TYPE, HORIZONTAL MOUNT
- (J) JUNCTION BOX WITH CONDUIT, STUB AS INDICATED FOR DIRECT CONNECTION
- DROP CORD WITH TWIST LOCK
- (E) STUB-UP/ DFA MAIN FEED AS INDICATED. TERMINATES AS JUNCTION BOX (SEE ABOVE).
- (JD) J-BOX DATA
- FIELD WIRING
- S SWITCH

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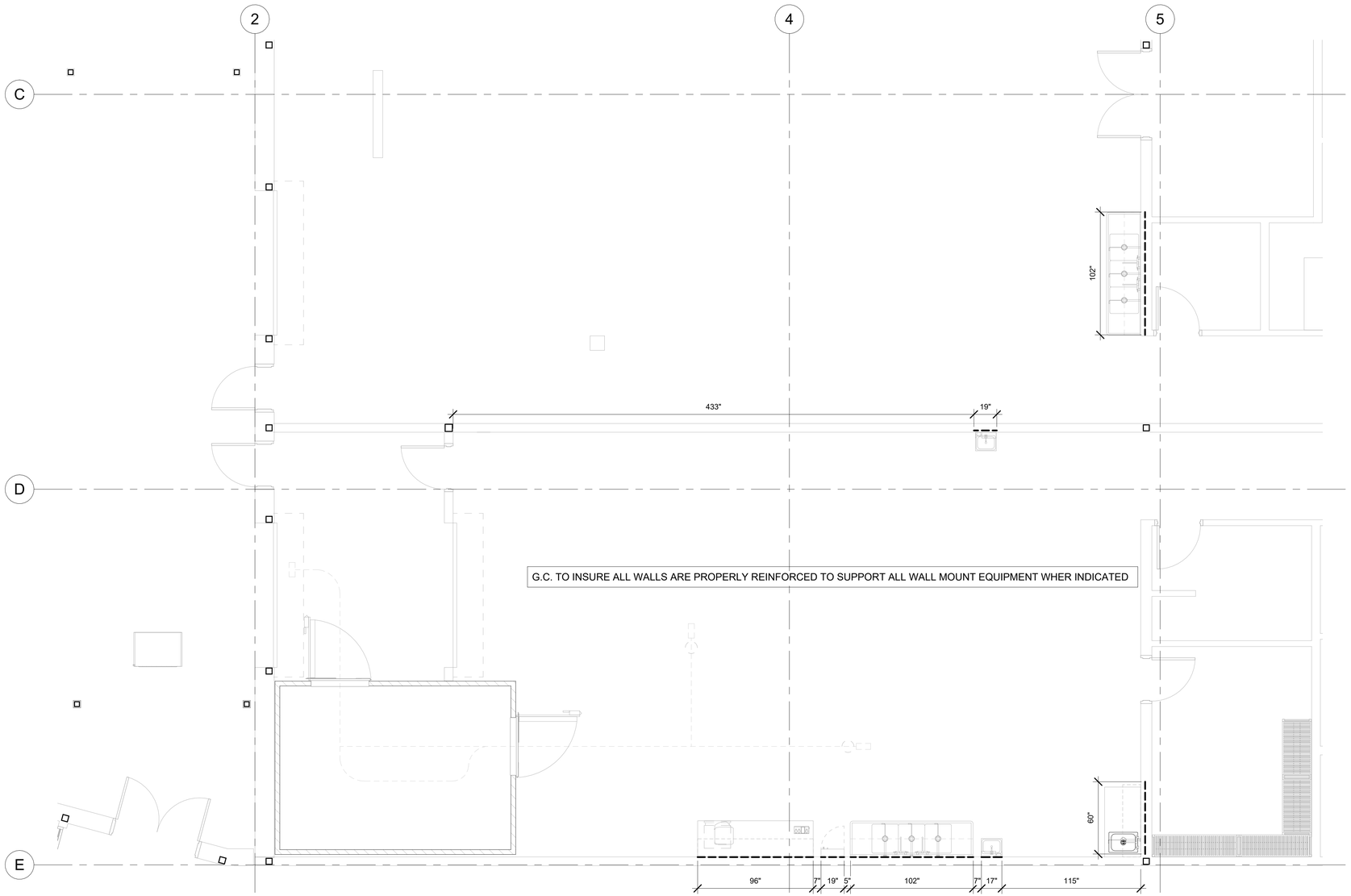
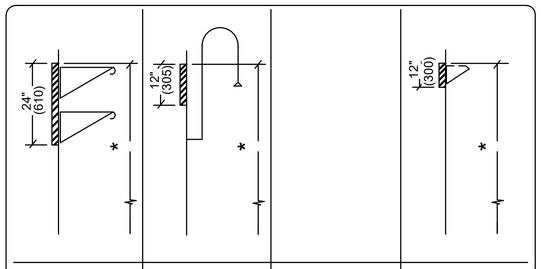
FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-INS



1 FOODSERVICE SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

SPECIAL CONDITIONS NOTES

1. WALL BACKING ----------



WALL BACKING DETAIL

AUG 01 C-1-2A

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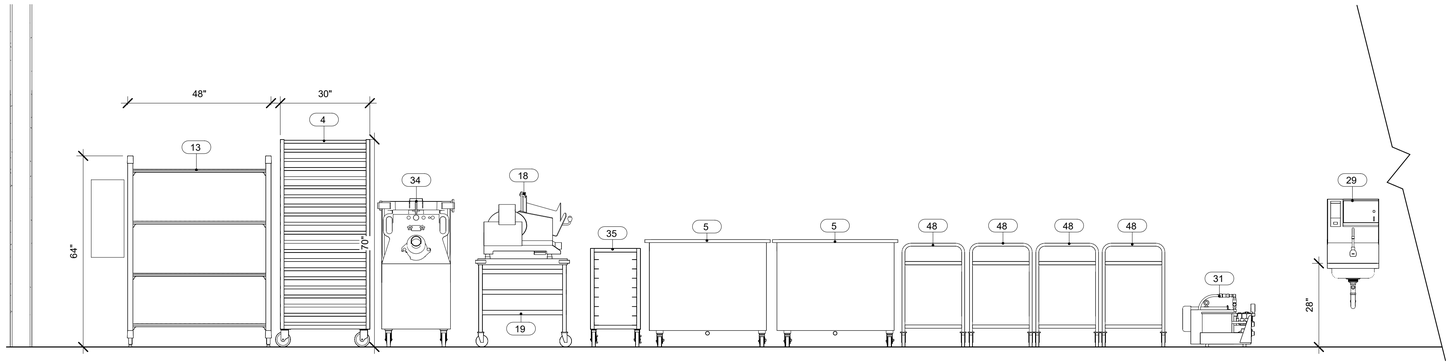
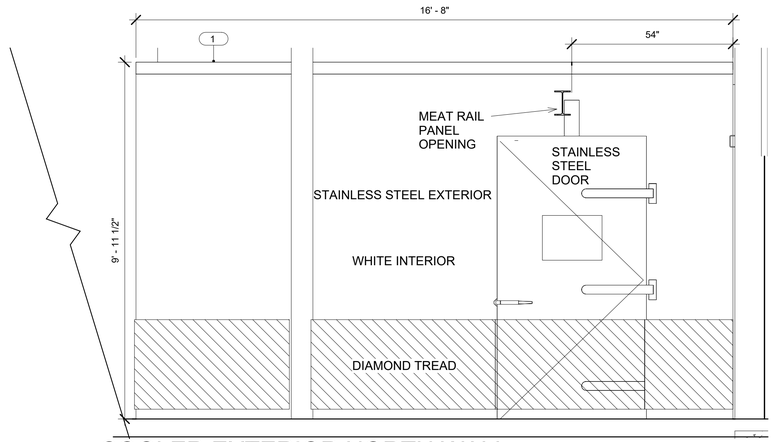
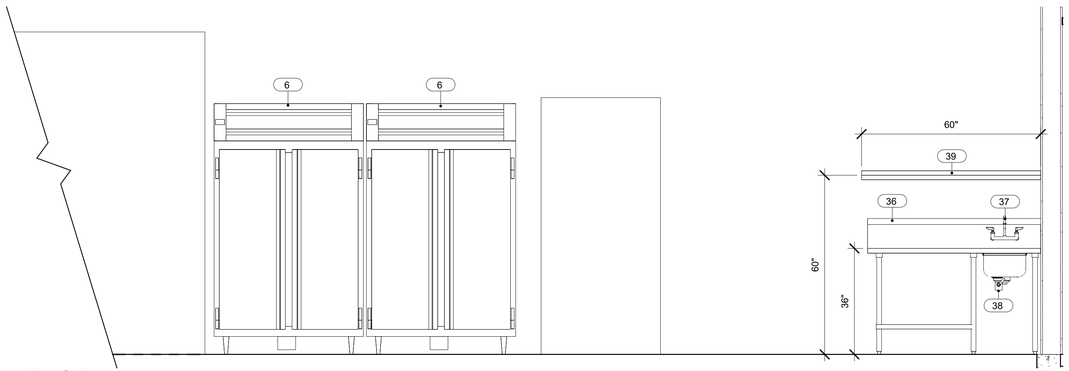
FS-401
FOODSERVICE EQUIPMENT SPECIAL CONDITIONS



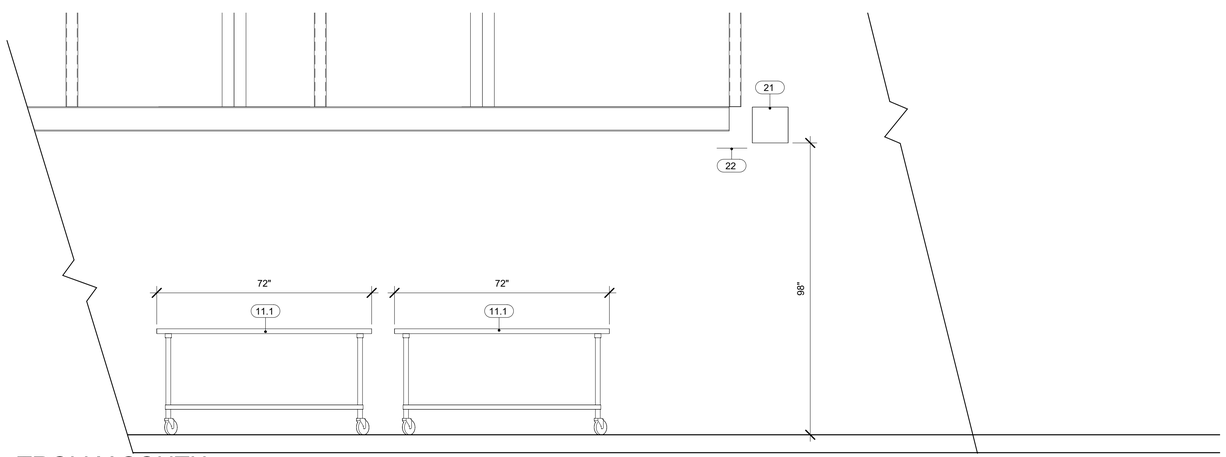
1 NORTH WALL
1/2" = 1'-0"



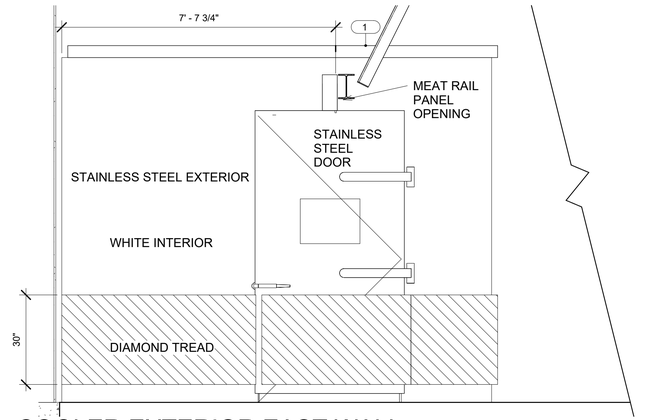
6 COOLER EXTERIOR NORTH WALL
1/2" = 1'-0"



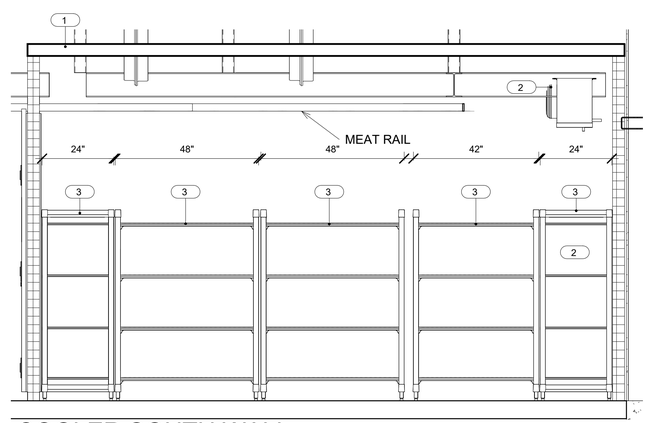
2 EAST WALL
1/2" = 1'-0"



3 TROLLY SOUTH
1/2" = 1'-0"



5 COOLER EXTERIOR EAST WALL
1/2" = 1'-0"



7 COOLER SOUTH WALL
1/2" = 1'-0"

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2400 E. Riverwalk Drive
Boise, Idaho 83706
www.lkvarchitects.com
208.336.3443

Revisions

#	Description	Date

CSI LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

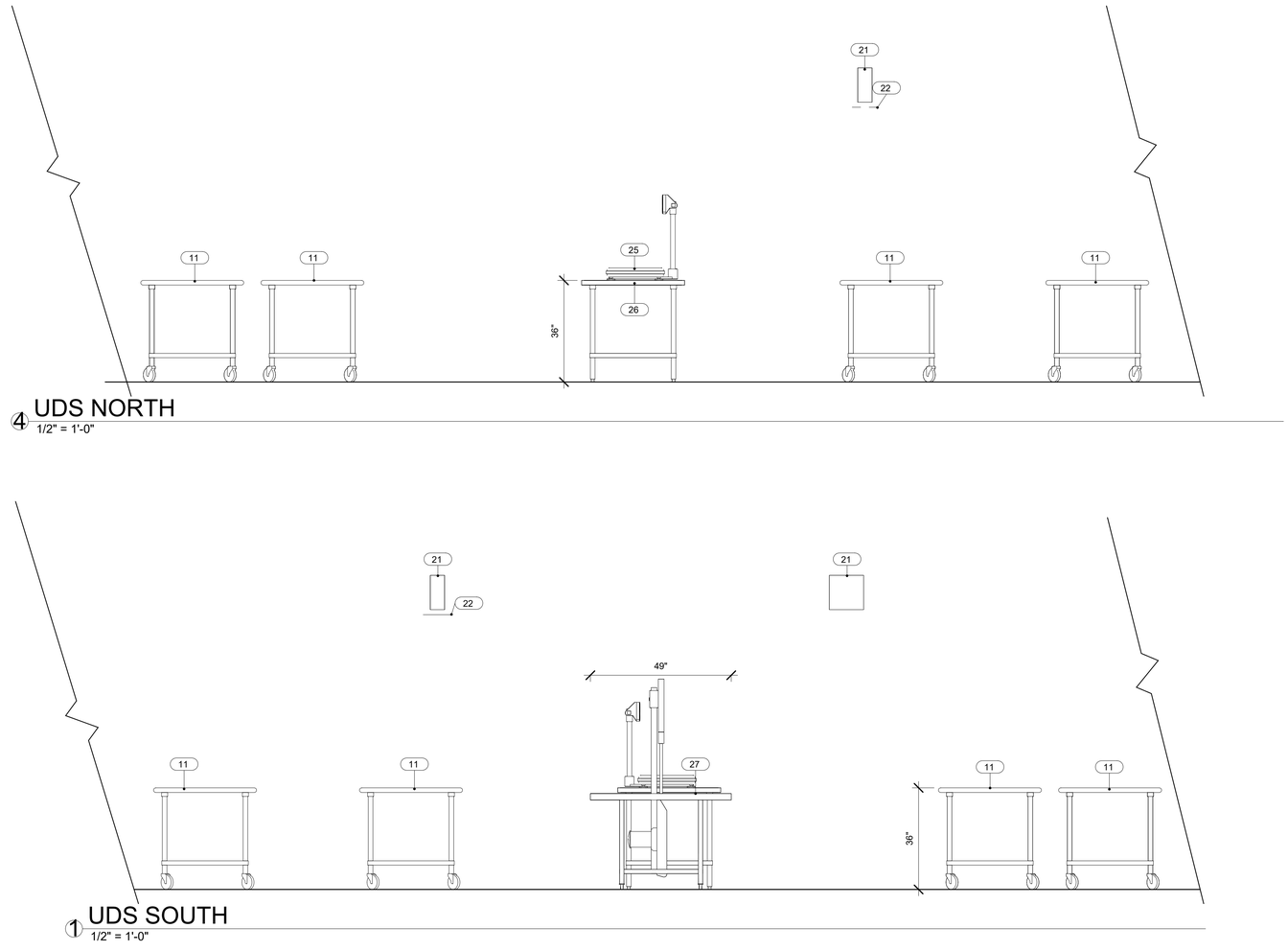
DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: GMC
CHECKED BY: DF

BID SET

DRAWING NO.:

FS-501
FOODSERVICE EQUIPMENT ELEVATIONS 1/2



4 UDS NORTH
1/2" = 1'-0"

1 UDS SOUTH
1/2" = 1'-0"

3 SOUTH WALL
1/2" = 1'-0"

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2400 E. Riverwalk Drive
Boise, Idaho 83706
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208.336.3443

Revisions

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College of Southern Idaho
Jerome, Idaho

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LKV PROJECT #: 2219

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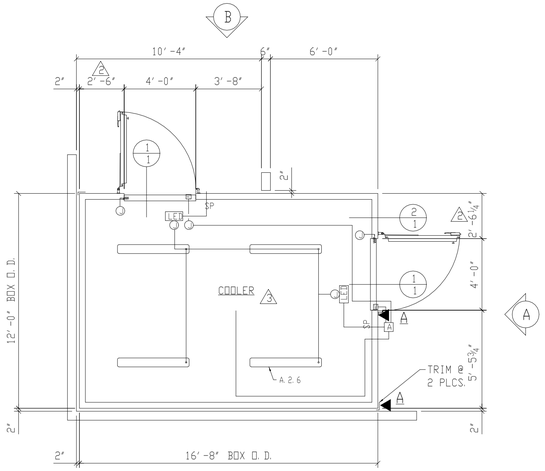
CHECKED BY: Checker

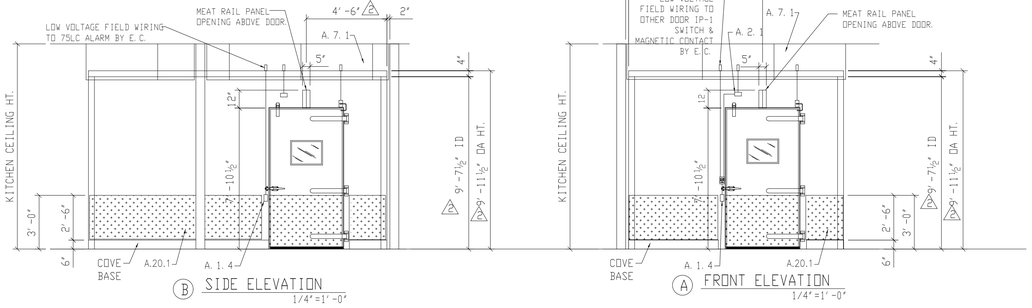
BID SET

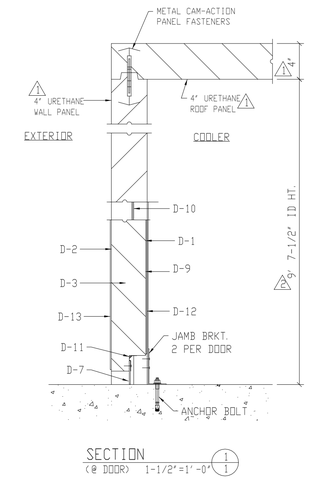
DRAWING NO.:

FS-502
FOODSERVICE EQUIPMENT ELEVATIONS 2/2

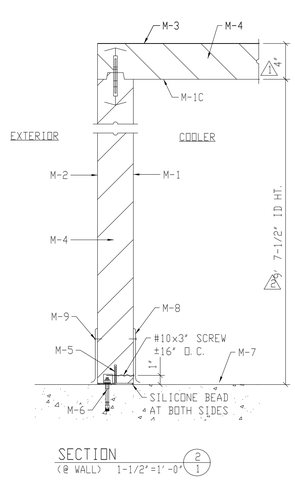


FLOOR PLAN VIEW
1/4"=1'-0"

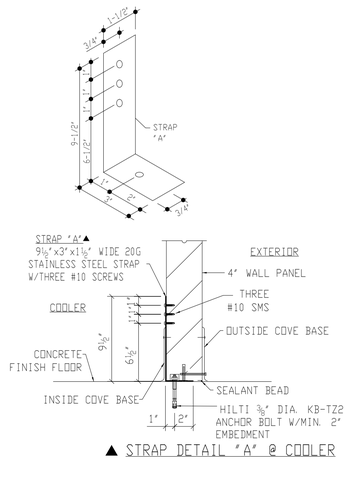




SECTION
(@ DOOR) 1-1/2"=1'-0" 1/1



SECTION
(@ WALL) 1-1/2"=1'-0" 2/1



▲ STRAP DETAIL "A" @ COOLER

MATERIAL LIST COLLEGE OF SOUTHERN IDAHO MEAT LAB		CONSULTANT: MOMENTUM CONSTRUCTING LLC LOCATION: IDAHO ID	
SYM.	ITEM	DESCRIPTION	QTY.
	PANEL MATERIAL LIST		
M-1	INTERIOR WALL FACING	.040" STUCCO EMBOSSED ALUMINUM	
M-1C	INTERIOR CEILING FACING	.040" SMOOTH WHITE ALUMINUM, 5052 H-34	
M-2	EXPOSED EXTERIOR FACING	20 GA STAINLESS STEEL, TYPE 304 #4	
M-3	UNEXPOSED EXTERIOR FACING	26 GA SMOOTH GALVANIZED STEEL, A525 G-90	
M-4	PANEL INSULATION	4" URETHANE, CLASS 1 - UL LISTED	
	COOLER FLOORLESS		
M-5	FLOOR ATTACHMENT TRACK	2"x2" 16 GA GALVANIZED STEEL ANGLE	
M-6	ANCHOR PINS	HILTI KB-TZ2 3/8" DIA. SEISMIC ANCHOR W/MINIMUM 2" EMBEDMENT TYPICAL 23" O.C.	
M-7	WEARING FLOOR	SEE A2.2 CONCRETE BY G.C.	
M-8	INTERIOR BASE	6" HIGH 20G STAINLESS STEEL COVED MOULDING	
M-9	EXTERIOR BASE	6" HIGH 20G STAINLESS STEEL COVED MOULDING	
	H-10 COOLER OVERLAP DOORS: (4'-0" W)C x 7'-9" H)C)		
D-1	INTERIOR METAL FACING	20 GA STAINLESS STEEL, TYPE 304 #4	
D-2	EXTERIOR METAL FACING	20 GA STAINLESS STEEL, TYPE 304 #4	
D-3	DOOR INSULATION	4" URETHANE, CLASS 1 - UL LISTED	
D-4	LATCH ASSEMBLY	KASON #58C CHROME CYLINDER/PADLOCKING LATCH WITH ROLLER STRIKE & SAFETY INSIDE RELEASE PUSH HANDLE	
D-5	DOOR CLOSER	DICTATOR #V1600 HYDRAULIC CYLINDER WHEEL SNUGGER	
D-6	HINGE (3/DOOR)	(3) PREMCO PRC-24 CAM-LIFT	
D-7	ADJUSTABLE WIPER	NEOPRENE W/STAINLESS STEEL RETAINER	
D-8	DOOR GASKET	SPONGE RUBBER	
D-9	JAMB METAL FACING	20 GA STAINLESS STEEL (TYPE 430) WITH 48" HIGH 1/8" ALUMINUM TREAD PLATE JAMB ANGLE GUARDS	
D-10	FRAME & JAMB HEATER ASSY.	120V 230W CIRCUIT W/SELF-REGULATING T-STAT	
D-11	DOOR PERIMETER HEATER	120V 230W CIRCUIT W/SELF-REGULATING T-STAT	
D-12	INTERIOR KICKPLATE	1/8" ALUMINUM TREAD PLATE, 3'-0" HIGH	
D-13	EXTERIOR KICKPLATE	1/8" ALUMINUM TREAD PLATE, 3'-0" HIGH	
	ACCESSORY MATERIAL LIST		
A. 1. 4	DIGITAL MULTI-MONITOR & AUTOMATIC LIGHT CONTROL	MODULARM 75LC HI/LO ALARM WITH AUDIO-VISUAL NOTIFICATION, 3-BUTTON USER INTERFACE, BATTERY BACK UP, DRY CONTACTS, MULTI-ENTRY LIGHT CONTROL, PANIC ALARM, DATA LOGGING CAPABLE & SENDR LINE	2
A. 2. 1	LIGHT FIXTURE(FRAME)	KASON #1807L LED FIXTURE WITH ALUMINUM HOUSING, POLYCARBONATE LENS & 4000K LED'S (120V, 12W)	2
A. 2. 6	LIGHT FIXTURE (ROOF)	KASON #1810LCT40D 4' LED FIXTURE W/FROSTED LENS & TWO 4000K COLOR TEMP. LED STRIPS (120V, 40W)	4
A. 6. 1	TRIM	MATCHING METAL ANGLE	4
A. 7. 1	CLOSURE PANELS	20 ga. STAINLESS STEEL PANELS, RAILS & TRACK	29'
A.20.1	WALL PROTECTION	3'-0" AFF 1/8" ALUMINUM TREAD PLATE WAINSCOT (EXTERIOR)	1SET
A.23.1	RAIL SUPPORT STRUCTURE	STRUCTURAL STEEL POST AND BEAMS FOR MEAT RAIL SUPPORT WITH POWDER COATING MATCHING MEAT RAILS.	1SET
A.23.2	MEAT RAIL SYSTEM	HOOK SHOP MEAT RAIL AND HOOKS	1SET

GENERAL NOTES

1. TO MAINTAIN NSF CERTIFICATION, A NSF CERTIFIED COVE BASE MUST BE INSTALLED.
2. WIRING & INSTALLATION OF FIXTURES AND POWER CONNECTIONS BY JOBSITE ELECTRICIAN.
3. ALL DIMENSIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION OF COLD STORAGE ROOMS.

VERIFIED BY: _____ DATE: _____

USTC

APPROVAL NO.
LA111-01-110
CLASS 1 - INSULATED PANEL

NSF

UL

CITY OF LOS ANGELES RESEARCH REPORT: RR25133

STATE OF OREGON #137PFC

EISA COMPLIANT

RMI AIRDYNE

DRAWING NO. 0124-08

INTERIOR WALK-IN COOLER FOR:
COLLEGE OF SOUTHERN IDAHO MEAT LAB
LOCATION: IDAHO ID
CONSULTANT: Momentum Constructing LLC

LLC.
17018 EDWARDS
CERRITOS, CALIFORNIA
90703
926-2006

DRAWN	CJ	DATE	4/29/24
CHECKED		SHEET	1 of 2
CHECKED		SCALE	AS NOTED
APPROVED		W.O. #	
REV: FROM 5" TO 4" PANELS-CJ		REV.	
1 RAILS & CANOPY STRUCTURE-CJ	5/22/24	REV.	
2 RAILS & CANOPY STRUCTURE-CJ	7/1/24	REV.	
3 RAILS-CJ	7/17/24	REV.	

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DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: Author
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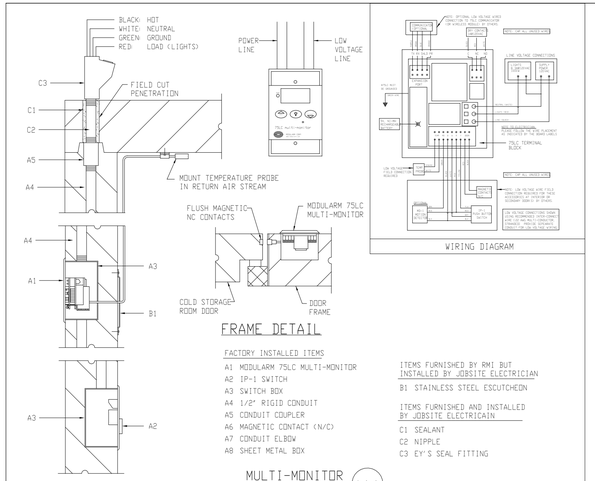
BID SET

DRAWING NO.:

FS-601

FOODSERVICE WALK-IN DRAWINGS 1/2



FRAME DETAIL

FACTORY INSTALLED ITEMS

A1 MODULARM 75LC MULTI-MONITOR
A2 IP-1 SWITCH
A3 SWITCH BOX
A4 1/2" RIGID CONDUIT
A5 CONDUIT COUPLER
A6 MAGNETIC CONTACT (N/C)
A7 CONDUIT ELBOW
A8 SHEET METAL BOX

ITEMS FURNISHED BY RMI BUT INSTALLED BY JOBSITE ELECTRICIAN

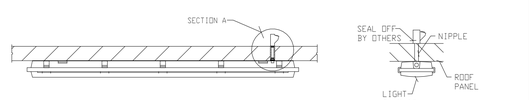
B1 STAINLESS STEEL ESCUTCHEON

ITEMS FURNISHED AND INSTALLED BY JOBSITE ELECTRICIAN

C1 SEALANT
C2 NIPPLE
C3 EY'S SEAL FITTING

MULTI-MONITOR LIGHT CONTROL (A.1.4)

120V 1ø 60HZ
8.3 AMP MAX



NSF C UL US

SIDE VIEW

END VIEW

LED LIGHT FIXTURE FEATURES & SPECIFICATIONS:

FEATURES:

- DIMMABLE ENERGY-EFFICIENT LIGHTING
- SURFACE MOUNTING BRACKETS
- EXTREMELY DURABLE POLYCARBONATE HOUSING AND LENS
- OPERATING TEMP -40°F TO 104°F (-40°C TO 40°C)
- RATED 50,000+ HOURS OF LIFE
- CERTIFICATIONS: UL APPROVED FOR WET LOCATIONS, NSF LISTED COMPONENT, IP-65

SPECIFICATIONS:

MATERIALS:

- DIFFUSER: FROSTED UL APPROVED ULL94-HB RATED, PC
- HOUSING: GRAY UL APPROVED UL94=5VA RATED, PC
- LED TRAY: WHITE PAINTED STEEL

POWER:

- WATTS: 40 W
- VOLTS: 120-277 V
- AMPS: 0.4 A @ 120 V
- PF: > 0.9

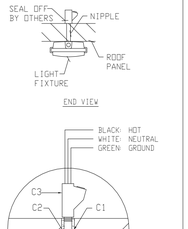
LED:

- OUTPUT: 4550 LUMENTS
- COLOR TEMPERATURE: 4000K
- 110 LUMENS/WATT

SIZE:

- NOMINAL OVERALL DIMENSIONS: 46-15/32" L x 4-59/64" W x 2-9/16" H (1180 x 125 x 65 mm)

LIGHT FIXTURES TO BE FURNISHED LOOSE INSTALLATION BY JOBSITE ELECTRICIAN



SECTION A

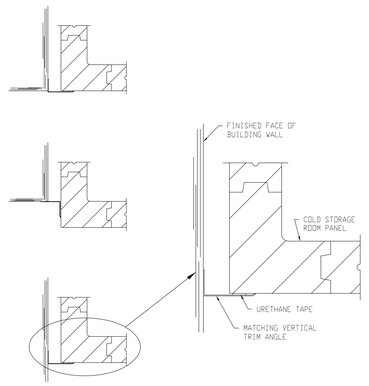
ITEMS FURNISHED AND INSTALLED BY JOBSITE ELECTRICIAN

C1 SEALANT
C2 NIPPLE
C3 "EY" SEAL OFF W/SEALANT
C4 GASKETED CONNECTOR

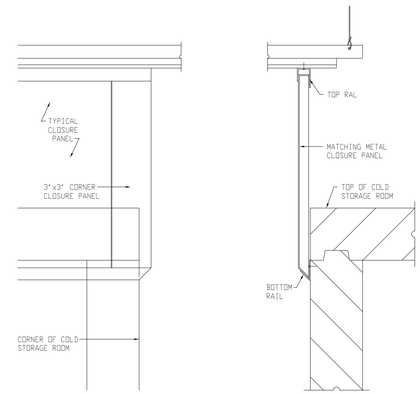
EACH TRADE IS REPONSIBLE FOR SEALING FIXTURES AND PENETRATIONS TO PREVENT MOISTURE INFILTRATION IN WALK-IN.

LIGHT FIXTURE DETAIL (A.2.6)
(CEILING MOUNT)

120V 1ø 60HZ
40 WATTS



TRIM DETAIL (A.6.1)



FRONT ELEVATION

SECTION

CLOSURE PANEL DETAIL (A.7.1)

FRAME MOUNTED

LIGHT FIXTURES TO BE FURNISHED LOOSE INSTALLATION BY JOBSITE ELECTRICIAN

ITEMS FURNISHED BY RMI BUT INSTALLED BY JOBSITE ELECTRICIAN

B1 ALUMINUM HOUSING BOX
B2 ALUMINUM FIXTURE BASE
B3 LOW PROFILE LEXAN GLOBE
B4 CONDUIT COUPLER

ITEMS FURNISHED AND INSTALLED BY JOBSITE ELECTRICIAN

C1 SEALANT
C2 NIPPLE
C3 "EY" SEAL FITTING

LIGHT FIXTURE DETAIL (A.2.6)
(FRAME MOUNT)

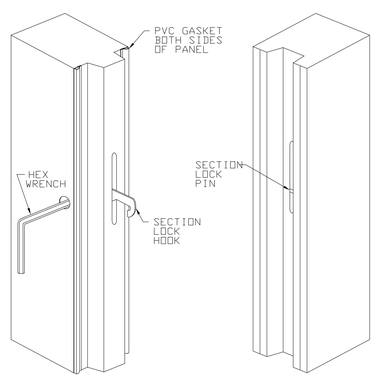
120V 1ø 60HZ
12 WATTS

□. 125" ALLUMINUM TREAD PLATE (ADHESIVE EXCLUDED)

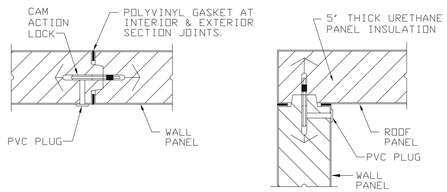
NOTE: CONFIRM WITH LOCAL HEALTH DEPARTMENT IF ALUM. TREAD PLATE IS ALLOWABLE

WAINSCOT WALL (A.20.1)

THE DOOR IS JUST AN ILUSTRATION



TYPICAL PANEL SECTION JOINT



WALL/WALL SECTION

WALL/ROOF SECTION

LOCK PANELS TOGETHER BY INSERTING ALLEN WRENCH INTO 3/4" HOLE AND TURNING CLOCKWISE UNTIL PANELS MEET.

CAM-ACTION FASTENER CHART	
PANEL TYPE	MAX. CENTER DISTANCE
WALL TO WALL	34-3/8" O. C.
ROOF TO ROOF	34-3/8" O. C.
WALL TO ROOF	23" O. C.

RMI AIRDYNE

DRAWING NO. 0124-08

COLD STORAGE ROOM ACCESSORY DETAILS
COLLEGE OF SOUTHERN IDAHO MEAT LAB
LOCATION: IDAHO ID
CONSTRUCTION MANAGER: Refrigeration Manufacturers, LLC

17018 EDWARDS ROAD
CERRITOS, CA 90703
(562) 926-2006

DRAWN: CJ	DATE: 4/30/24
CHECKED	SHEET: 2 of 2
CHECKED	SCALE: AS NOTED
APPROVED	W.O. #
REV:	REV.
REV.	REV.
REV.	REV.

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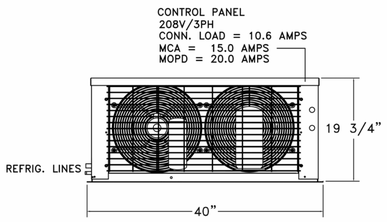
DRAWING NO.:

FS-602

FOODSERVICE WALK-IN DRAWINGS 2/2

WEATHER-PAK SYSTEM

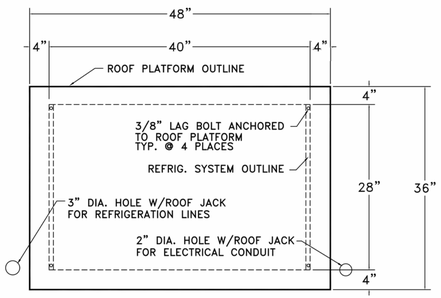
ALLOW 36" CLEARANCE AROUND UNIT
VERIFY EXACT LOCATION WITH ARCHITECT



FRONT ELEVATION

SYSTEM DEPTH =28"
SYSTEM WEIGHT =221 LBS.
SOUND DATA =63 dBA

A / R-1 **MODEL: LCH0020MCACZA0000**
ITEM: 9



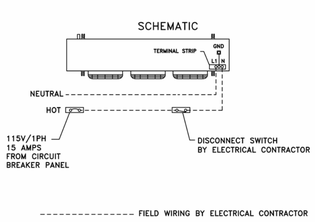
GENERAL CONTRACTOR

1. GENERAL CONTRACTOR TO PROVIDE LEVEL PLATFORM AT CODE HEIGHT.
2. PROVIDE SHEET METAL CAP WITH WATER TIGHT SOLDERED JOINTS.
3. PROVIDE PENETRATION HOLES WITH ROOF JACKS FOR ELECTRICAL CONDUITS AND REFRIGERATION LINES.

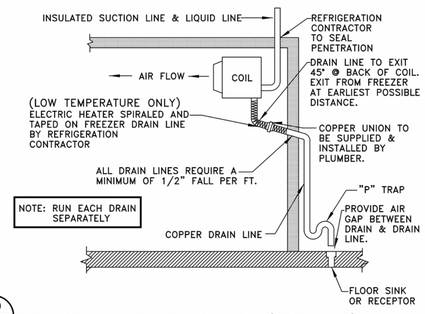
REFRIGERATION CONTRACTOR

1. BACK FILL ROOF JACK OPENING WITH EXPANDED FOAM AND ROOF SEALANT AFTER COMPLETION OF ELECTRICAL AND REFRIGERATION PIPING.

B / R-1 **TYPICAL PLATFORM DETAIL**



C / R-1 **INTELLIGEN POWER WIRING FOR WALK-IN COOLER**



D / R-1 **CONDENSATE DRAIN LINE (TYPICAL)**

AIRDYNE ENGINEERING SUMMARY

POWER SUPPLY: 208V/3PH/60HZ **FUSE SIZE:** 20.0 AMPS
CONNECTED LOAD: 10.6 AMPS **MINIMUM AMPACITY:** 15.0 AMPS

ITEM #	ITEM #	FIXTURES DESCRIPTION	TEMP (F) FIXT.	TEMP (F) SST.	REFRIGERANT R-	RECEIVER CAPACITY LBS.	COMPRESSORS MODEL	H.P.	RATING @ 60 Hz RLA	RATING @ 60 Hz V	RATING @ 60 Hz PH	MBH (100°F)	DEFROST	UNIT COOLER ITEM #	UNIT COOLER QUANTITY	UNIT COOLER MODEL	UC RATING @ 60 Hz 1 ø FAN RLA	UC RATING @ 60 Hz 1 ø FAN V	UC HEATER FLA	UC HEATER V	UC HEATER PH	SYSTEM TOTAL POWER 208V, 60 Hz AMPS	SYSTEM TOTAL POWER 208V, 60 Hz PH	100' LINE SIZE (O.D.) ROUTE	SUCTION	LIQUID	DISCH.	DRAIN	ACCESSORIES (SEE SUPPLY CODE *) HEAD PRESSURE CONTROL	CRANK CASE HEATER	FAN CYCLE SWITCH	SUCTION ACCUMULATOR	THERMOSTAT	SOLENOID VALVE	THERMOSTATIC EXPANSION VALVE	DEMAND DEFROST
9	1	WALK-IN COOLER	35	25	448a	20.0	LCH0020MCACZ	2.0	9.6	208	3	15.9	I	2	1	LEL0155AS6AM	2.7	115				10.6	3	M	7/8	1/2			F	F	F		F	F	F	INTELLIGEN

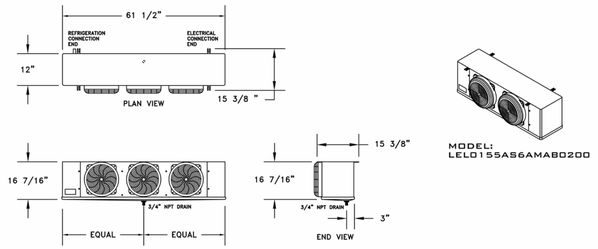
C UL US LISTED
CONDENSING UNIT
FILE SA45495

E ELECTRIC (TIMED)
I INTELLIGEN CONTROLLER
H HOT GAS (TIMED)
O OFF CYCLE (TEMP.)

B BRANCH
M MAIN
S SINGLE

* SUPPLY CODES:
F – FACTORY INSTALLED
L – LOOSE (FIELD INSTALLED)
M – MANUFACTURER EQUIPPED
R – REFRIGERATION CONTRACTOR

NOTE:
- ALL SYSTEMS ENGINEERED WITH R-448AA REFRIGERANT. ANY BASES/COILS NOT SUPPLIED BY AIRDYNE MUST BE EQUIPPED WITH R404A EXPANSION VALVE.
- CONNECTION LINE SIZES BASED ON 100' MAX LINE RUNS. IF LINE RUNS EXCEED 100', CONSULT FACTORY FOR PROPER LINE SIZES.
- "COMPRESSOR MOTOR PROTECTED UNDER PRIMARY SINGLE PHASE PROTECTION."
- EFFECTIVE JANUARY 1, 2009, ALL WALK-IN COOLER AND FREEZER EVAPORATOR COILS INSTALLED IN THE U.S.A. SHALL BE SUPPLIED WITH ENERGY EFFICIENT (EC) MOTORS BASED ON THE FEDERAL ENERGY INDEPENDENCE AND SECURITY ACT (HR-6).



ITEM No.	UNIT MODEL No.	CAPACITY BTU	LENGTH	FANS QTY.	FANS CFM	FANS EC MOTOR 120/1PH	FANS EC MOTOR 208/1PH	ELEC DEFROST 208/1PH	CONNECTIONS (In.) COIL INLET	CONNECTIONS (In.) SUCTION ID	CONNECTIONS (In.) DRAIN MPT	APPROX. NET WT. (Lbs.)
2	LEL0155AS6AMAB0200	15400	61-1/2"	3	1958	2.7	--	--	1/2"	7/8"	3/4"	67

E / R1 **UNIT COOLER DETAIL**

SPECIFICATION

ITEM NO. 9 REMOTE REFRIGERATION PACKAGE.
THE REFRIGERATION PACKAGE SHALL BE PRE-ENGINEERED AND FACTORY ASSEMBLED UNIT, TRADE NAME "WEATHER-PAK", AS MANUFACTURED BY AIRDYNE REFRIGERATION, 17018 EDWARDS RD., CERRITOS, CA 90703 PHONE: (562) 926-2006, FAX: (562) 926-2007
E-MAIL: sales@airdyne.com

CONTRACTOR SHALL FURNISH AND INSTALL, WHERE SHOWN ON PLANS, (1) AIRDYNE, U.L. APPROVED "WEATHER-PAK" AIR-COOLED REMOTE REFRIGERATION PACKAGE MODEL LCH0020MCACZA0000 WITH CONTROL PANEL, 208 VOLTS, 3 PHASE, 60 HZ. REFRIGERATION SYSTEM SHALL BE HOUSE IN A WEATHER PROTECTED ENCLOSURE. THE FRAME & HOUSING SHALL BE FABRICATED OF GALVANIZED STEEL. ENTIRE FRAME AND HOUSING SHALL BE PRE-ASSEMBLED, WELDED, CLEANED, AND PRIMED AND POWDER COATED EPOXY ENAMEL AND BAKED THE CONDENSER SHALL BE SECTIONAL, REMOVABLE, WITH RIFLED TUBE SLOTTED FINNED AND SHALL BE DESIGNED FOR 20 FT D.

1. REFRIGERATION UNITS
   - A. AIR-COOLED CONDENSING UNITS SHALL BE SCROLL TYPE (COPELAND). EACH UNIT SHALL BE EQUIPPED WITH SUCTION ACCUMULATOR, LIQUID DRIER, SIGHT GLASS, HEAD MASTER CONTROL, PRESSURE CONTROL, COMPRESSOR CONTACTOR, CAPACITORS, RELAYS, DEFROST TIME CLOCK AND LOW AMBIENT CRANKCASE HEATER.
   - B. ALL COMPRESSOR UNITS SHALL BE NEW FACTORY ASSEMBLED TO OPERATE WITH THE REFRIGERANT SPECIFIED IN THE ENGINEERING SUMMARY SHEET. REFRIGERANT R-448A SHALL BE USED ON ALL COMMERCIAL TEMPERATURE UNITS AND LOW TEMPERATURE UNITS.
2. PRE-PIPING
   - A. ALL REFRIGERANT LINES SHALL BE EXTENDED TO ONE SIDE OF THE PACKAGE IN A NEAT AND ORDERLY MANNER. SUCTION LINES MUST BE INSULATED WITH ARMAFLEX 3/4" THICK LOW TEMP, 1/2" THICK MED TEMP).
   - B. ALL TUBING SHALL BE SECURELY SUPPORTED AND ANCHORED WITH CLAMPS.
   - C. SILVER SOLDER AND/OR SIL-FOS SHALL BE USED FOR ALL REFRIGERANT PIPING. SOFT SOLDER IS NOT ACCEPTABLE.
   - D. ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 300 PSI. AFTER THE CONDENSING UNIT AND COIL HAVE BEEN CONNECTED, THE BALANCE OF THE SYSTEM SHALL BE LEAK TESTED WITH ALL VALVES OPEN.
3. CONTROL PANEL
   - A. THE PACKAGE SHALL HAVE FACTORY MOUNTED AND PRE-WIRED CONTROL PANEL COMPLETE WITH COMPRESSOR CONTACTOR, FUSES, PRESSURE CONTROLS WIRED FOR SINGLE POINT CONNECTION.
   - B. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL MAIN POWER LINES TO PANEL AND PROVIDE WIRE HARNESS WIRING FOR CONTROL AND THE REFRIGERATION FIXTURES, ALL IN ACCORDANCE WITH THE WIRING DIAGRAM AND LOCAL CODES.
4. SAFETY CAUTION

   EACH SYSTEM AND EVAPORATOR IS SHIPPED UNDER NITROGEN PRESSURE. USE CAUTION AND EXERCISE SAFETY AT ALL TIMES WHEN PREPARING FOR FINAL HOOK-UP.
5. EVAPORATOR COIL
   - A. EVAPORATOR COILS SHALL BE DIRECT EXPANSION TYPE FABRICATED OF COPPER TUBES WITH ALUMINUM FINS. ALL EVAPORATOR COILS SHALL BE PROVIDED WITH SOLENOID VALVE, THERMOSTATIC EXPANSION VALVE, AND ELECTRONIC THERMOSTAT. PIPED AND WIRED TO THE JUNCTION BOX FOR POSITIVE PUMP DOWN.
   - B. EVAPORATOR COILS SHALL BE EQUIPPED WITH ENERGY SAVING "EC" MOTORS
   - C. EVAPORATOR COILS SHALL BE EQUIPPED WITH INTELLIGEN CONTROLLERS

CONSTRUCTION NOTES FOR TRADES

1. GENERAL CONTRACTOR
   - A. CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND COORDINATE WITH OTHER TRADES.
   - B. GENERAL CONTRACTOR SHALL PREPARE AND WEATHER PROOF THE PLATFORM AND CURBED OPENINGS FOR REFRIGERATION. PIPING AND ELECTRICAL CONDUIT.
   - C. PROVIDE SHEET METAL CAP WITH 2" PITCH POCKET COLLAR AND WATER TIGHT SOLDERED JOINTS.
   - D. ALL CORE DRILLING REQUIRED FOR REMOTE REFRIGERATION PIPING WORK BY THE REFRIGERATION CONTRACTOR IS IN THE GENERAL CONTRACTOR SCOPE OF WORK. COORDINATE EXACT LOCATION AND NUMBER OF PENETRATIONS WITH THE REFRIGERATION CONTRACTOR AND COMPLY WITH ALL LANDLORD REQUIREMENTS FOR X-RAY OF SLAB PRIOR TO WORK.
2. REFRIGERATION CONTRACTOR
   - A. CONTRACTOR SHALL USE ONLY CLEAN DEHYDRATED, SEALED REFRIGERATION GRADE A.C.R COPPER TUBING. USE ONLY LONG RADIUS ELBOWS TO REDUCE FLOW RESISTANCE AND LINE BREAKAGE. DO NOT USE 45 DEGREE ELBOWS AT ALL.
   - B. SILVER SOLDER AND/OR SIL-FOS SHALL BE USED ON ALL REFRIGERANT PIPING. SOFT SOLDER IS NOT ACCEPTABLE. USE MINIMUM 35% SILVER SOLDER FOR DISSIMILAR METALS
   - C. ALL PIPING MUST BE SUPPORTED WITH HANGERS THAT CAN WITHSTAND THE COMBINED WEIGHT OF TUBING, INSULATION, VALVES AND FLUID IN THE TUBING.
   - D. USE DRY NITROGEN IN THE COPPER TUBING DURING BRAZING TO PREVENT FORMATION OF COPPER OXIDES. LIQUID AND SUCTION LINES MUST BE FREE TO EXPAND INDEPENDENTLY OF EACH OTHER. DO NOT EXCEED 100 FEET WITH OUT A CHANGE IN DIRECTION OR AN OFFSET. PLAN PROPER PITCHING, EXPANSION ALLOWANCE, AND P-TRAPS AT THE BASE OF ALL SUCTION RISERS AND AT EVERY 15 FEET OF EVERY VERTICAL RISE. INSTALL SERVICE VALVES AT SEVERAL LOCATIONS FOR EASE OF MAINTENANCE. THESE VALVES MUST BE UL APPROVED FOR 450 PSI WORKING PRESSURE.
   - E. ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 300 PSI WITH ALL VALVES OPEN AND HELD FOR 12 HOURS. ELECTRONIC LEAK DETECTORS SHALL BE USED TO LOCATE ALL LEAKS.
   - F. COMPLETE SYSTEM SHALL BE EVACUATED TO 500 MICRONS WITH VACUUM PUMP BEFORE CHARGING THE SYSTEM.
   - G. ONCE SYSTEM IS CHARGED AND RUINING, ADJUST ALL CONTROLS, INCLUDING PRESSURE CONTROLS, EXPANSION VALVE, THERMOSTATS AND TIME CLOCKS. RETURN AFTER 24 HOURS TO VERIFY PROPER OPERATION OF SYSTEMS.
   - H. REFRIGERANT SUCTION LINES OUTSIDE OF REFRIGERATED COMPARTMENTS, NOT RUN IN CONDUIT, SHALL BE INSULATED BACK TO COMPRESSOR WITH ARMSTRONG ARMA-FLEX AP-25/50 FOAMED PLASTIC INSULATION OR EQUAL IN ACCORD WITH DIRECTION OF THE MANUFACTURER. MINIMUM THICKNESS SHALL BE 1/2 INCH FOR COMMERCIAL TEMPERATURE AND 3/4 INCH FOR LOW TEMPERATURE.
   - I. FILL ROOF REFRIGERATION AND ELECTRICAL PITCH POCKETS WITH FOAM AND SEALANT.
3. ELECTRICAL CONTRACTOR
   - A. ELECTRICAL CONTRACTOR TO PROVIDE MAIN POWER FOR REFRIGERATION PACKAGE AND CONNECT CONTROL AND DEFROST SYSTEMS
   - B. ALL ELECTRICAL WIRING AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE WIRING DIAGRAM AND LOCAL CODES.
3. PLUMBING CONTRACTOR
   - A. REFRIGERATION CONTRACTOR TO PROVIDE TYPE "L" COPPER DRAIN LINES FOR WALK-IN REFRIGERATOR AND FREEZER, PITCHED 1/2" PER FOOT OF RUN. IN FREEZER, HEATED DRAIN LINE MUST BE INSULATED TO PREVENT FREEZING. TRAP DRAIN LINES OUTSIDE OF REFRIGERATED SPACE TO AVOID ENTRANCE OF WARM AND MOIST AIR.
   - B. CONTRACTOR TO PROVIDE INDIVIDUAL DRAIN LINE FOR EACH EVAPORATOR UNLESS OTHERWISE CALLED FOR IN THE PLANS.
   - C. ALL PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES.

REV LEVEL	DESCRIPTION	DATE

DRAWING APPROVAL
"PRODUCTION LEAD TIME:
4-6 WEEKS AFTER RECEIPT OF APPROVED DRAWINGS AND PURCHASE ORDER.
SEND APPROVED DRAWING TO "TONY BEDI"

APPROVED BY:_____
DATE:_____

AIRDYNE REFRIGERATION
17018 EDWARDS RD., CERRITOS, CA 90703
PHONE: (562) 926-2006 FAX: (562) 926-2007
E-MAIL: sales@airdyne.com

REFRIGERATION PLAN
CSI MEAT LAB
SOUTHERN IDAHO

DRAWN BY: Le
CHECKED BY: Tony Bedi
DATE: 01/29/24
LATEST REVISION: XXXXXXXX
DRAWING NO.: 012924-002
SHEET: R1
1 OF 1 SHEET

LKV ARCHITECTS
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www.lkvarchitects.com
208.336.3443

Revisions

#	Description	Date

CSI LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: GMC
CHECKED BY: DF

BID SET

DRAWING NO.:
FS-701
OUTDOOR REFRIGERATION DRAWING

STRUCTURAL COVER SHEET
CSI - LEROY CRAIG JEROME CENTER
COLLEGE OF SOUTHERN IDAHO
JEROME, IDAHO

Lochsa engineering

Boise, ID
201 N. Maple Grove Ste #100
Boise, Idaho 83704
Phone (208) 342-7168

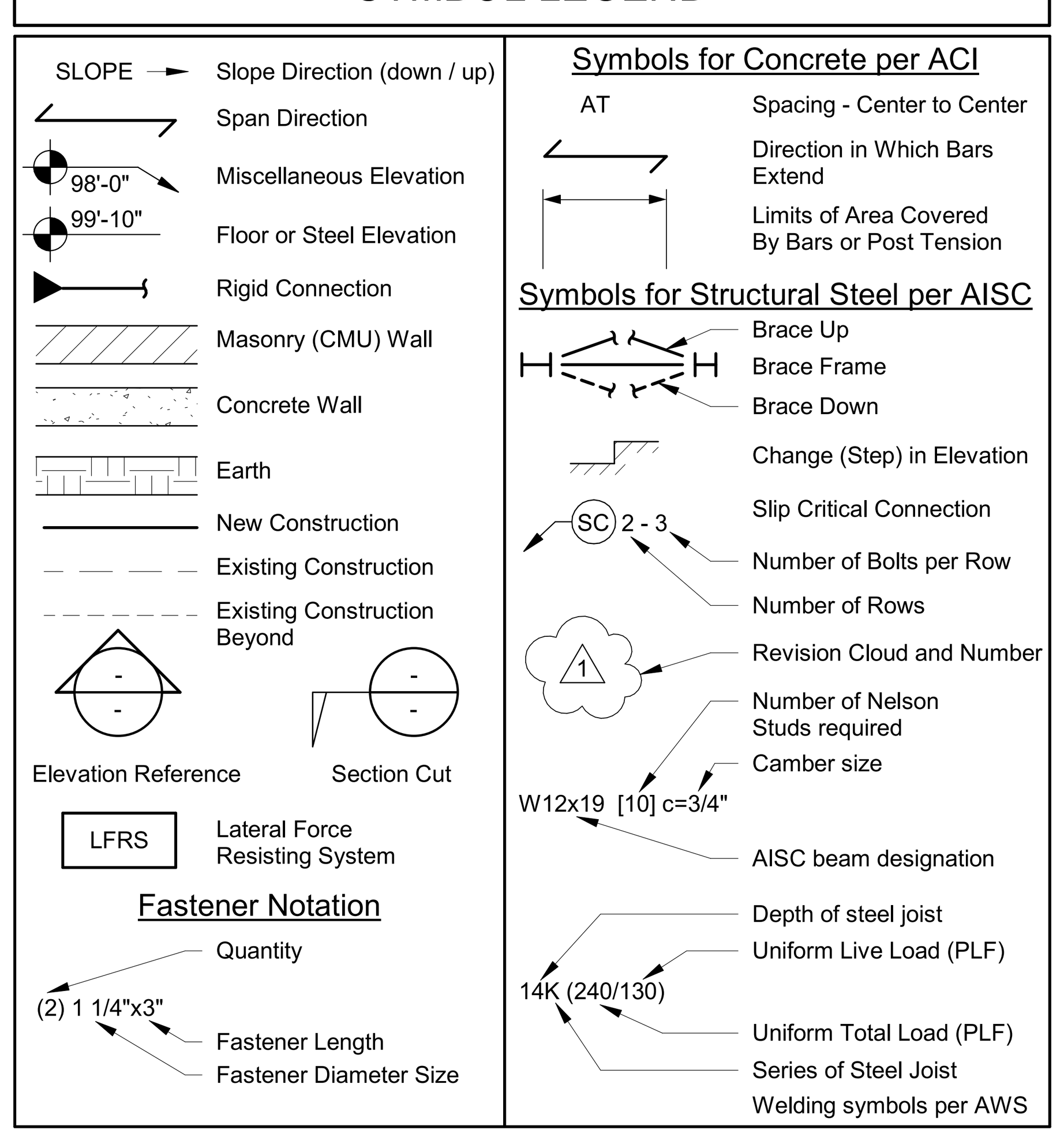
1-866-606-9784
www.Lochsa.com

Las Vegas, NV
6345 S. Jones Blvd., Ste #100
Las Vegas, NV 89118
Phone (702) 365-9312

ABBREVIATIONS

AB.	Anchor Bolt	LLH.	Long Leg Horizontal
ACI	American Concrete Institute	LLV.	Long Leg Vertical
ACT.	Acoustic Ceiling Tile	LOC.	Locations
ADD.	Addition	LONG.	Longitudinal
ADD'L.	Additional	LVL.	Laminated Veneer Lumber
AFF.	Above Finish Floor	LW.	Light Weight
AIA	American Institute of Architects		
AISC	American Institute of Steel Construction	MFR.	Manufacturer
AISI	American Iron and Steel Institute	MATL.	Material
ALT.	Alternate	MAX.	Maximum
AL.	Aluminum	MB.	Machine Bolt
ANSI	American National Standards Institute	MECH.	Mechanical
AOR	Architect of Record	MEZZ.	Mezzanine
APA	American Plywood Association	MIN.	Minimum
APPROX.	Approximate	MISC.	Miscellaneous
ARCH.	Architect or Architectural	MK.	Mark
ASTM	American Society for Testing and Materials	ML	MicroLam
AWS	American Welding Society		
		NF.	Near Face
BOTT.	Bottom	NO. or #	Number
BD.	Board	NOM.	Nominal
BLKG.	Blocking	NTS.	Not to Scale
BOD. or BO DECK	Bottom of Deck	NS.	Near Side
BM	Bending Moment		
BPL.	Base Plate	OC.	On Center
BRG.	Bearing	OD.	Outside Diameter
		OPP.	Opposite
C	Channel	OSB	Oriented Strand Board
CF.	Cubic Foot	OWSJ	Open Web Steel Joist
COORD.	Coordinate		
CFS	Cold-formed Steel	PAF.	Powder Actuated Fastener
CJ.	Control Joint	PAR.	Parallel
CJP.	Complete Joint Penetration	PCF.	Pounds Per Cubic Foot
CL.	Center Line	PEN.	Penetration
CLR.	Clear	PERM.	Permanent
COL.	Column	PERP.	Perpendicular
CONC.	Concrete	PL.	Plate
CONN.	Connection	PP.	Partial Pen.
CONST.	Construction	PSF.	Pounds Per Square Foot
CONT.	Continuous	PSI.	Pounds Per Square Inch
CMU	Concrete Masonry Units	P-T	Post Tension, Post Tensioned
CY.	Cubic Yard	P.T.	Pressure Treated
DBA.	Deformed Bar Anchor	RAD. or R.	Radius
DIAG.	Diagonal	REF.	Reference
DIA.	Diameter	REINF.	Reinforce, Reinforced, Reinforcement or Reinforcing
DIM.	Dimensions		
DF-L	Douglas Fir-Larch	REQD.	Required
DWG.	Drawing	REV.	Revise or Revision
		RO.	Rough Opening
EA.	Each		
EB.	Expansion Bolt	SCHED.	Schedule
EJ.	Expansion Joint	SF.	Strut Force
EL. or ELEV.	Elevation or Elevator	SHTG.	Sheathing
ENG.	Engineer	SIM.	Similar
EOD. or EO DECK	Edge of Deck	SK.	Sketch
EOR	Engineer of Record	SPECS.	Specifications
EN.	Edge Nail (Nailing)	SQ.	Square
EQ.	Equal	SS.	Stainless Steel
EQUIP.	Equipment	SSLT.	Short Slotted Holes Transverse to Direction of Load
EXIST. / (E)	Existing		
EXT.	Exterior	STD.	Standard
		STRUCT.	Structural
FAB.	Fabrication	SYM.	Symmetrical
FD.	Floor Drain		
FIN.	Finish	T&G	Tongue and Groove
FLR.	Floor	T AND B	Top and Bottom
FND.	Foundation	THK.	Thick
FS.	Far Side	THRU.	Through
FT. or '	Feet or Foot	TJI.	Trus Joist I-Joist
FTG.	Footing	TO.	Top Of
		TOC. or TO CONC.	Top of Concrete
GALV.	Galvanize	TOF. or TO FTG.	Top of Footing
GC.	General Contractor	TOM. or TO MASONRY	Top of Masonry
GSN.	General Structural Notes	TOS. or TO STL.	Top of Steel
GLB.	Glu Lam Beam	TOW. or TO WALL	Top of Wall
GR. or GRD.	Grade	TRANSV.	Transverse
GYP.	Gypsum	TYP.	Typical
HD.	Hold-down	UNO.	Unless Noted Otherwise
HORIZ.	Horizontal		
		VERT.	Vertical
ID.	Inside Diameter	VIF.	Verify in the Field
IF.	Inside Face		
IN. or "	Inches	W	Wide Flange
		WP.	Work Point
K	Kip (1,000 lbs.)	WT.	Weight
LESK	LOCHSA ENGINEERING SKETCH	XS	Extra Strong
LAM.	Laminated		
lb. / lbs. / #	Pound / Pounds	YD.	Yard
L	Angle		
LFRS	Lateral Force Resisting System	2L	Double Angle
LLBB.	Long Leg Back To Back		

SYMBOL LEGEND



DESIGN CODES 2018

1. All design and construction shall conform to the 2018 International Building Code and local jurisdictional amendments per state, county, city. etc.

2. References to ASTM and other standards shall refer to the latest edition designated by IBC Chapter 35. Refer to the specifications for information in addition to that covered by these structural notes and drawings. The following standards were used for design.

Building Code Requirements for Structural Concrete	ACI 318-14
Specifications For Structural Steel Buildings	AISC 360-16
North American Specifications For The Design Of Cold-formed Steel Structural Members	AISI S100-16
Minimum Design Loads For Buildings And Other Structures	ASCE 7-16
National Design Specifications For Wood Construction	NDS-18
Building Code Requirements For Masonry Structures	TMS 402-16

All specifications and codes noted shall be the latest approved editions and revisions by the governmental agency having jurisdiction over this project.

GENERAL

1. The Contractor shall verify all dimensions prior to starting construction. The Architect shall be notified of any discrepancies or inconsistencies.

2. Summary of Work: Project consists of new construction as shown on these Contract Documents used in coordination with the Architectural and other discipline's documents. See also note 7.

3. Warranty: The EOR has used the degree of care and skill ordinarily exercised under similar circumstances by members of the profession in this locale and no other warranty, either expressed or implied, is made in connection with rendering professional services.

4. Structure noted in the drawings as existing or by others, shall be field verified by the contractor and any discrepancies noted shall be reported to the Architect/Structural Engineer.

5. Construction documents include but are not limited to: drawings, plan notes, typical details, general notes, custom details, specifications, etc. In addition to those prepared by other disciplines.

6. Do not scale the drawings for dimensions not shown.

7. Notes and details on the drawings shall take precedence over general notes, typical details, and the project specifications. Where discrepancies between specifications and drawings occur, use the more stringent requirement.

8. Typical details and schedules indicated may not be specifically referenced on the drawings. The contractor is responsible to determine where each typical detail or schedule applies. If locations are found where no typical detail, typical schedule, or specific detail applies, notify the Architect/Structural Engineer. - Drawings indicate general and typical details of construction. Typical details and general notes shall apply even if not specifically denoted on plans, uno. Where conditions are not specifically indicated similar details of construction shall be used, subject to review and approval by the Architect and the Structural Engineer of Record.

9. The contract Structural drawings and specifications represent the finished structure. They do not indicate the method of construction. Contractor to provide construction means, methods, techniques, sequences and procedures as required. Contractor to provide adequate excavation procedures, shoring, bracing and erection procedures complying with national, state and local safety ordinances. The Contractor shall provide all measures necessary to protect the structure during construction. Such measures shall include, but not be limited to: bracing and shoring for loads due to hydrostatic, earth, wind or seismic forces, construction equipment, temporary loading, etc.

10. Observation visits (site visits) by representatives of Architect/Structural Engineer do not include inspection of construction means and methods. Site visits during construction are not continuous nor detailed inspection services which are to be performed by others. Observations are performed solely for the purpose of determining if the Contractor understands design intent shown in the contract drawings. Observations do not guarantee Contractor's performance and are not to be construed as supervision or verification of construction.

11. Notify the Structural Engineer prior to constructing or fabricating, when drawings by others show openings, pockets, etc., not shown on the structural drawings, but which are located in the structural members.

12. Products that require a report on code compliance shall have an ICC-ES or IAPMO report evaluated for the above listed governing building code. Where required by the governing jurisdiction, a submittal as an alternate material and method is required for all reports evaluated to an earlier edition of the IBC. Reports evaluated to codes other than the above listed code are not permitted, unless allowed by the governing jurisdiction.

13. Contractor shall investigate the site during clearing and earth work operations for filled excavations or buried structures such as cesspools, cisterns, foundations, utilities, etc. If any such structures are found, the Structural Engineer shall be notified immediately.

14. Construction materials shall be spread out when placed on framed floors or roofs. The construction material load shall not exceed the design live load per square foot. Provide adequate shoring and/or bracing where structure has not attained design strength.

15. See the architectural drawings for the following: Size and location of door and window openings, size and location of interior and exterior non-bearing partitions, size and location of concrete curbs, floor drains, slopes, depressed areas, changes in level, chamfers, grooves, inserts, size and location of floor and roof openings, floor and roof finishes, stair framing and details, dimensions not shown on the structural drawings, ceiling assemblies, exterior wall assemblies,etc.

16. See mechanical, plumbing, and electrical drawings for the following: Pipes, sleeves, hangers, trenches, wall, floor, and/or roof openings, duct penetration, electrical conduit runs, boxes, outlets in walls and slabs, concrete inserts for electrical, mechanical or plumbing fixtures, size and location of machine or equipment bases, anchor bolts for mounts, etc., except as shown or noted. See also note 13.

17. For mechanical and electrical equipment anchorage that is to be designed by others, see IBC section 1613 and ASCE 7 chapter 13. Use isolators, fasteners and bracing approved by ICC-ES or approved third party capable of transmitting code required lateral loads. Secure suspended equipment with lateral bracing.

18. For piping and ductwork bracing to be designed by others, see the latest edition of "Guidelines for Seismic Restraints of Mechanical Systems" by the Sheet Metal and Air Conditioning Contractors National Association.

SHOP DRAWINGS

1. Shop drawings and material submittals shall be submitted to the Architect and Structural Engineer of Record prior to any fabrication or construction. Electronic submittals shall be made where possible. Any submittals containing hard copies shall include one reproducible and one copy; reproducible will be marked and returned. Additional copies of reviewed shop drawings are the responsibility of the general contractor. No modifications or substitution of drawings and specifications will be accepted via shop drawing review. Contractor shall review and stamp shop drawings prior to submission to the Architect/Structural Engineer. Contractor shall review for completeness and compliance with contract documents including addendum's, clarifications, etc. See also note 7.

2. Submit shop drawings to the Architect/Structural Engineer as indicated or specified for review prior to fabrication. Review will be for general conformance with design intent conveyed in contract documents.

3. When an engineer is required to sign and stamp shop drawings and calculations, ensure seal indicates engineer as registered in state where project site occurs.

4. Shop drawings are not a part of contract documents, therefore, Architect's/Structural Engineer's review does not constitute an authorization to deviate from terms and conditions of the contract. See also note 7.

5. Review of submittals by the structural engineer will include checking for conformance with the design concept and general compliance with the information given in the construction documents. It will not include reviews of the accuracy or completeness of items such as quantities, dimensions, weights or thicknesses, fabrication processes, construction means or methods, coordination with the work of other trades, or construction safety precautions. Review of a specific item shall not indicate that the structural engineer has reviewed the entire assembly of which the item is a component. The structural engineer shall not be responsible for any deviations from the construction documents not brought to the structural engineer's attention in writing.

6. Submittals processed by the structural engineer are not change orders

7. Shop drawings will be rejected for incompleteness, lack of coordination with other portions of contract documents, lack of calculation (if required), or where modifications or substitutions are indicated without prior review per paragraph A above. Resubmittals shall be clouded and dated for all changes to the submittal. Only clouded portions of resubmittal will be reviewed and Structural Engineer of Record's review stamp applies to only these areas.

8. Submit shop drawings and calculations to governing code authority when specifically indicated or requested.

9. Maintain a copy of all shop drawings reviewed by the Architect/Structural Engineer at site during construction period.

10. Structural Engineer requires 10 working days after receipt of shop drawings and calculations for processing.

11. As a minimum shop drawing submittals shall include the following items plus, additional items listed in the project specifications for structural review, but not be limited to:
    - A. Concrete mix designs
    - B. Concrete construction joint plans
    - C. Concrete reinforcing bar shop drawings and placing plans
    - D. Concrete accessories material specification, size and location
    - E. Non-shrink grout material specifications and manufacturer's installation recommendations
    - F. Masonry veneer out-of-plane anchorage system
    - G. Fabrication shop AISC Certification or statement of equivalent testing and inspection procedures
    - H. Structural steel shop and erection drawings
    - I. Welding Procedure Specifications and certifications
    - J. Metal deck material submittal
    - K. Metal deck and accessories layout
    - L. Open web steel joist layout, accessories, and calculations
    - M. Cold-formed steel shown on structural drawings

STRUCTURAL LOADS

SNOW LOADS:	
Ground Snow Load	Pg = 30 psf
Importance Factor	Is = 1.0
Exposure Factor	Ce = 1.0
Flat Roof Snow Load	Pf = 21 psf
Thermal Factor	Ct = 1.0
Snow Drifts	As indicated on drawings.
WIND LOADS:	
Basic Wind Speed	Vult = 100 mph
	Vasd = 78 mph
Risk Category	II
Exposure	B
Internal Pressure Coefficient	GCpi ± 0.18
SEISMIC LOADS:	
Risk Category	II
Importance Factor	Ie = 1.0
Soil Site Class	C
Mapped Spectral Response Acceleration	
SS = 0.175 g	S1 = 0.080 g
SOIL FACTOR COEFFICIENTS:	
Fa = 1.3	Fv = 1.5
SPECTRAL RESPONSE COEFFICIENT:	
SDS = 0.152 g	SD1 = 0.080 g
SEISMIC DESIGN CRITERIA:	
Seismic Response Coefficient:	CS = 0.0433
Seismic Design Category	B
Analysis Procedure	Equivalent lateral force method
Structural System	Steel system not specifically detailed for seismic resistance and light framed bearing wall with steel sheets
Response Modification Factor	3.5
Tabulated Overstrength Factor	3
ADDITIONAL ITEMS:	
Building Location	42.7245, -114.5187
Mean Building Height	20 feet
REDUNDANCY FACTORS:	
North/South Direction	rho = 1.0
East/West Direction	rho = 1.0
ROOF LIVE LOADS:	
Roof Live Load	20 psf (reducible)

Sheet List

DWG #	DRAWING TITLE	ORIGINAL SUBMITTAL	REV. #	REV. DATE
S0.01	STRUCTURAL COVER SHEET	10/28/24		
S0.02	STRUCTURAL DESIGN NOTES	10/28/24		
S0.03	STRUCTURAL DESIGN NOTES	10/28/24		
S0.04	SPECIAL INSPECTION TABLES	10/28/24		
S1.01	FOUNDATION PLAN	10/28/24		
S1.02	ROOF FRAMING PLAN	10/28/24		
S1.03	HIGH ROOF FRAMING PLAN	10/28/24		
S3.01	BRACE FRAME ELEVATION	10/28/24		
S3.02	BRACE FRAME ELEVATIONS	10/28/24		
S3.03	BRACE FRAME DETAILS	10/28/24		
S3.51	WALL SECTIONS	10/28/24		
S4.01	SCHEDULES	10/28/24		
S4.02	SCHEDULES	10/28/24		
S5.01	GENERAL CONCRETE DETAILS	10/28/24		
S5.02	GENERAL CONCRETE DETAILS	10/28/24		
S5.03	GENERAL SLAB DETAILS	10/28/24		
S5.21	GENERAL STRUCTURAL STEEL DETAILS	10/28/24		
S5.22	GENERAL STRUCTURAL STEEL DETAILS	10/28/24		
S5.31	GENERAL COLD-FORMED DETAILS	10/28/24		
S5.32	GENERAL COLD-FORMED DETAILS	10/28/24		
S6.01	FOUNDATION DETAILS	10/28/24		
S6.02	FOUNDATION DETAILS	10/28/24		
S7.01	ROOF FRAMING DETAILS	10/28/24		
S7.02	ROOF FRAMING DETAILS	10/28/24		
S7.03	ROOF FRAMING DETAILS	10/28/24		
S7.04	ROOF FRAMING DETAILS	10/28/24		
S7.05	ROOF FRAMING DETAILS	10/28/24		

LKV ARCHITECTS
2400 E. Riverwalk Drive
Boise, Idaho 83706

www.lkvarchitects.com
208.336.3443

PROFESSIONAL ENGINEER REGISTERED 7451 10/28/24 STATE OF IDAHO RILEY J MAHAFFEY
EXP. 05/31/2026

Lochsa engineering
201 N. Maple Grove Ste. 100
BOISE IDAHO 83704
Phone (208) 342-7168
LE JOB #24LOC4023

Revisions #	Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

BID SET

DRAWING NO.:

S0.01
STRUCTURAL COVER SHEET

POST INSTALLED MECHANICAL ANCHORS

1. Mechanical anchors shall not be installed without prior approval of engineer unless specifically detailed on the drawings.
2. Over-drill as indicated by the Anchor Manufacturer, and to the depth indicated on the structural drawings.
3. Clean hole per manufacture requirements.
4. The following expansion type anchors are structurally acceptable for use in uncracked, cracked, and seismic concrete applications:
   A. Simpson Strong-Bolt 2 Wedge Anchor – ICC ESR-3037
   B. Hilti Kwik Bolt TZ – ICC ESR-4266
   C. Dewalt Power-Stud+ SD2, SD4, SD6 – ICC ESR-2502
5. The following screw type anchors are structurally acceptable for use in uncracked, cracked, and seismic concrete applications:
   A. Simpson Titen HD – ICC ESR-2713
   B. Hilti KH-EZ – ICC ESR-3027
   C. ITW RedHead Tapcon – ICC ESR-2202
   D. Dewalt SCREW-BOLT+ – ICC ESR-3889
6. Installation and inspection of post installed anchors shall be performed as required by ICC reports and manufacturer's instructions.

REINFORCING STEEL (FOR CONCRETE)

1. All reinforcing steel shall be detailed and placed in accordance with the 'Building Code Requirements for Reinforced Concrete' (ACI 318) and the Manual of Standard Practice for Reinforced Concrete Construction' by CRSI and WCRSI as modified by the project drawings and specifications.
2. Deformed reinforcing bars shall conform to the requirements of ASTM A615 grade 60 and ASTM A706 grade 60 for deformed weldable bars.
3. Welding of reinforcing is permitted only where shown on the drawings or when approved by the structural engineer. Welding of reinforcing bars shall be with low hydrogen electrodes in accordance with the 'Recommended Practices for Welding Reinforcing Steel, Etc.', American Welding Society, AWS D1.4 and IBC table 1704.4.1 all reinforcing to be welded shall conform to ASTM A706 grade 60 uno.
4. All reinforcing bar bends shall be made cold.
5. Lap splices made at locations other than those specifically indicated on the drawings shall require approval by engineer prior to any fabrication or construction activities.
6. Reinforcing dowels between footings and walls or columns shall be the same number, size, spacing and grade as the specified vertical reinforcing, uno.
7. All reinforcing bars shall be marked so their identification can be made when the final in-place inspection occurs.
8. Welded wire fabric shall conform to ASTM A185.
9. Minimum lap of welded wire fabric shall be 6 inches or one full mesh and one half, whichever is greater.
10. In addition to all the reinforcing steel indicated on the drawings, the contractor shall provide for an allowance of two tons of reinforcing bars to be furnished, fabricated and placed during the progression of work as may be directed by the Structural Engineer.
11. Submit shop drawings to structural engineer: Placing drawings that detail fabrications, bending, and placement. Include bar sizes, lengths, material, grade, bar schedules, stirrup spacing, bent bar diagrams, bar arrangement, splices and laps, mechanical connections, tie spacing, hoop spacing, and supports for concrete reinforcement.

FACADE / VENEER SYSTEMS

1. Provide out-of-plane anchorage for all Facade / Veneer systems. The contractor is to coordinate the appropriate anchorage configuration with the Facade / Veneer system referenced within the construction documents. Such considerations would include, but not be limited to: structural support framing, sheathing, rigid insulation, air gaps, joint layouts, etc.
2. Anchors are to be sized and spaced as required to resist seismic loads in accordance with ASCE 7, Chapter 13.
3. Refer to architectural details for any further requirements.

MECHANICAL OPENINGS

1. General Contractor shall coordinate locations of all mechanical openings, including, but not limited to, trash chutes, plumbing shafts and ventilation shafts. Coordination shall include the Architect of Record (AOR) and all subcontractors, including mechanical subcontractors, and joist and decking suppliers.
2. Coordination shall be completed and approved prior to bid document completion.

CONCRETE

1. All aspects of work pertaining to the concrete construction shall be in accordance with ACI 318-14, 'Building Code Requirements for Structural Concrete' and the latest edition of 'Specifications for Structural Concrete for Buildings', ACI 301, with modifications as noted on the project drawings and\or specifications.
2. Portland cement shall conform to ASTM C150 Type I or II concrete minimum, use Type V where the concrete is in contact with soil and to a height 12" min. above the soil. Concrete that will be exposed to sulfate - containing solutions shall comply with IBC Section 1904.3, Severe (S2) and Very Severe (S3) sulfate exposures as identified in the project geotechnical report, the water cement ratio shall not exceed 0.45 and shall not exceed 0.50 for Moderate (S1) sulfate exposure. Type II cement shall be used at all other locations in the structure.
3. Fly ash may be used in concrete mixes. The fly ash shall conform to ASTM C618 Class F. The loss of ignition shall be limited to 2%. The addition rate for fly ash shall be limited to 15% of the cement weight. The contractor shall submit all certificates showing the fly ash is in accordance with the above criteria.
4. Do not use concrete or grout containing chlorides.
5. All concrete exposed to freeze - thaw cycles shall contain 6% +/- 1% of entrained air.
6. Hard rock concrete - aggregate shall conform to all requirements and tests of ASTM C33 and project specifications. Exceptions may be used only with approval of the Structural Engineer. Provide concrete mix design with proven shrinkage characteristics of less than 0.0005 inches/inch.
7. Structural concrete 28-day strengths & types are as follows:

Location of Concrete	Strength, psi	Type	EXPOSURE CATEGORY/CLASS*			
			F#	S#	W#	C#
Lean Mix	3000	Hard Rock	F0	S0	W1	C1
Footings	4000	Hard Rock	F0	S0	W1	C1
Stem Walls	4000	Hard Rock	F1	S1	W1	C1
Slab on Grade (Interior)	4000	Hard Rock	F0	S0	W1	C1
Grade Beams	5000	Hard Rock	F0	S0	W1	C1
Pedestal	4000	Hard Rock	F0	S0	W1	C1

*Table 19.3.1.1 - Exposure Categories and Classes

Category	Class	Condition	
Freezing and thawing (F)	F0	Concrete not exposed to freezing-and-thawing cycles	
	F1	Concrete exposed to freezing-and-thawing cycles with limited exposure to water	
	F2	Concrete exposed to freezing-and-thawing cycles with frequent exposure to water	
	F3	Concrete exposed to freezing-and-thawing cycles with frequent exposure to water and exposure to deicing chemicals	
Sulfate (S)		Water-soluble sulfate (SO_4^{2-}) in soil, percent by mass (1)	Dissolved sulfate (SO_4^{2-}) in water, ppm(2)
	S0	$SO_4^{2-} < 0.10$	$SO_4^{2-} < 150$
	S1	$0.10 \leq SO_4^{2-} < 0.20$	$150 \leq SO_4^{2-} < 1500$ or seawater
	S2	$0.20 \leq SO_4^{2-} \leq 2.00$	$1500 \leq SO_4^{2-} \leq 10000$
	S3	$SO_4^{2-} > 2.00$	$SO_4^{2-} > 10000$
In contact with water (W)	W0	Concrete dry in service Concrete in contact with water and low permeability is not required	
	W1	Concrete in contact with water and low permeability is required	
Corrosion protection of reinforcement (C)	C0	Concrete dry or protected from moisture	
	C1	Concrete exposed to moisture but not to an external source of chlorides	
	C2	Concrete exposed to moisture and an external source of chlorides from deicing chemicals, salt, brackish water, seawater, or spray from these sources	

8. The modulus of elasticity of concrete, shall be tested in accordance with ASTM C469 for framed concrete slabs and beams and shall be at least the value given by the equations in section 19.2.2.1 of ACI 318 for the specified concrete 28-day strength.
9. All concrete shall be ready mix concrete and shall be mixed and delivered in accordance with ASTM C94 or ASTM C685.
10. Dry pack or grout under baseplates, sill plates, etc., see specifications. Strength requirements are as required for concrete. Minimum grout strength shall be f'c = 7,000 psi.
11. Concrete forms shall be laid out and constructed to provide the specified cambers indicated on the structural drawings.
12. Submit shop drawings to Architect/Structural Engineer indicating locations of concrete joints for review prior to placing concrete. Place joints at locations to minimize effects of shrinkage as well as being placed at points of low stress.
13. Concrete placement shall be in accordance with ACI standard 304 and project specifications. Provide keys in construction joints unless detailed otherwise. Thoroughly clean, remove laitance and thoroughly wet and remove standing water in construction joints before placing new concrete. At vertical joints, slush with a coat of neat cement before placing new concrete.
14. Roughen concrete surface to a full amplitude of 1/4 inch where masonry walls intersect concrete or where new concrete interfaces with existing concrete.
15. If columns and walls are placed with a floor, two hours must elapse between end of column or wall placement and beginning of the floor placement.
16. Clear coverage of concrete over reinforcing bars shall be as follows:

Location of Concrete	Minimum Concrete Cover
Concrete cast against and permanently exposed to earth	3"
Concrete exposed to earth or weather: #6 through #18 bar #5 bar and smaller	 2" 1 1/2"
Concrete not exposed to weather or in contact with ground, UNO: Slabs, Walls, Joist: #14 and #18 bar. #11 bar and smaller. Beams, Columns: Primary reinforcing, ties stirrups, spirals	 1 1/2" 3/4" 1 1/2"
Slab on grade:	2" clear from top

17. Prior to concrete placement, all reinforcing bars, anchor bolts and other concrete inserts shall be well secured in position.
18. Mechanical pipes or electrical conduit shall not pass through concrete columns or beams unless specifically detailed.
19. Unless otherwise indicated in the mechanical or electrical drawings or project specifications, mechanical pipes and electrical conduits which pass through slab on grade, concrete on steel deck, framed concrete floors and walls do not require sleeves. If sleeves are required, the sleeves shall be installed prior to placing concrete. Do not cut any reinforcing which may interfere with sleeve placement. Coring openings in concrete is not permitted. Notify the Structural Engineer in advance of conditions not shown on the structural drawings.
20. With the exception of slabs on grade and concrete on steel deck, the outside diameter of mechanical pipes and/or embedded electrical conduits (other than those passing through) shall not exceed 1/3 of the slab thickness and shall be centered between the top and bottom reinforcing, unless specifically detailed otherwise. Concentrations of mechanical pipes and/or electrical conduits shall be avoided except where detailed openings are provided. Conduit and pipe shall be spaced at 3" or 3 diameters on center, whichever is larger.
21. For slabs on grade and concrete on steel deck no pipes or conduits shall be placed within the indicated concrete slab thickness and shall be located below he slab unless specifically detailed otherwise.
22. The projecting corners of columns, beams, and walls, etc., shall be formed with a 3/4 in. chamfer, unless otherwise noted on architectural drawings or specifications.
23. Maintain concrete above 50 degrees Fahrenheit and in a moist condition for a minimum of 7 days after placement unless otherwise accepted by Architect/Structural Engineer.
24. Any curing compounds used on concrete that is to receive a resilient tile finish shall be approved by the Finish Applicator before use.
25. Contractor to coordinate floor flatness and levelness with architectural drawings and/or equipment manufacturer's requirements. The following table may be used as a minimum:

Composite flatness, FF	Composite levelness, FL	Typical applications
45	35	Carpeted areas of commercial office buildings or lightly-trafficked office/industrial buildings

DECK CONNECTION, MECHANICAL FASTENERS

1. Connection of steel deck diaphragms shall be as specified on plan, unless approved otherwise.
2. Use mechanical deck fasteners in lieu of welds only when specified on plan or when approved by the engineer prior to installation.
3. Fasteners for attachment of steel deck to bar joist and structural steel framing shall be:
   A. Hilti X-HSN 24 (1/8 in. up to and including 3/8 in.) ICC ESR-2197 & ICC ESR-2776
   B. Hilti X-ENP-19 L15 (1/4 in. or thicker) ICC ESR-2197 & ICC ESR-2776
   C. Spacing of fasteners shall be as indicated on plans, UNO. Note that additional mechanical fasteners compared to welds might be required.
4. The contractor shall arrange for manufacturer's field representative to provide installation training for all products to be used, prior to commencement of work at no additional cost.
5. Only trained installers shall fasten the metal deck to the structural steel. A record of training shall be kept on site and be made available to the EOR and inspector as requested.
6. The contractor shall submit a pin placement plan to the EOR.
7. Sidelap connection type and spacing shall be as indicated on plans.

SHOT PINS

1. Shot pin fasteners shall not be installed without prior approval of engineer unless specifically detailed on the drawings.
2. Installation and special inspection of fasteners shall be performed as required by ICC reports and manufacturers instructions.
3. Shot pins shall not be used for seismic anchoring or bracing applications, unless approved by the governing jurisdiction.
4. Shot pins in post-tension concrete are permitted only when the supplier can show that concrete spalling will not occur and are located so as to preclude damage to tendons and tendon anchorage.
5. See plans and details for spacing. Shot pins driven into concrete base material shall maintain a minimum edge distance at all concrete elements of 3" and minimum fastener spacing shall be 4". For interior and exterior framing, pins shall have a 3/4" and 1" minimum penetration respectively. Minimum concrete thickness shall be 3 times the penetration depth. Concrete shall attain full design strength prior to installing shot pins. Shot pins driven into steel base material shall maintain a minimum edge distance at all steel elements of 1/2" and minimum fastener spacing shall be 1". Length of pin shall be as required to penetrate through steel member uno. At steel thicker than 3/4", pins shall have a minimum point penetration of 1/2". Shot pins driven into solid grouted masonry shall maintain a minimum 4" distance from the top, bottom and edges of the wall and a minimum 1" distance from mortar joints. No more than one fastener may be installed in an individual CMU cell.
6. The following shot pins are approved for non-tension, shear only use in uncracked concrete:
   Hilti Low Velocity X-U (0.157" dia.) – ICC ESR-2269
7. The following shot pins are approved for tension and shear in steel:
   Hilti Low Velocity X-U (0.157" dia.) – ICC ESR-2269

DEFERRED / DELEGATED STRUCTURAL COMPONENTS

1. Components referred to as Deferred Structural Components shall comply with these notes. These elements have not been permitted under the base building application. The contractor will be required to submit the component system documents to the building official for approval. The documents shall be stamped and signed by a structural engineer licensed by the state where the project is located. The deferred structural components shall not be installed until the design and submittal documents have been approved by the building official.
2. Prior to building department submittal, the deferred structural components submittals shall receive cursory review by Structural Engineer of Record for loads imposed on primary structure and general conformance with design concept of the project and general compliance with the information given in the Structural Contract Documents. Review of submittals does not constitute approval or acceptance of unauthorized deviation from Contract Documents.
3. Submittals of contractor-designed components shall include the designing structural engineer's stamp and signature, as noted above. The submittal shall be approved by the component vendor prior to review by the Structural Engineer of Record.
4. The designing professional is responsible for code conformance and all necessary connections not specifically called out on architectural or structural contract documents.
5. Submittals shall include details of connections to primary structure that indicate magnitude and direction of all loads imposed at point of connection.
6. Design criteria shall be provided with submittal and calculations shall be made available upon request.
7. Refer to other discipline's contract documents for additional deferred components that may require structural design and details. Connections of these elements shall not induce torsion on structural members.
8. Deferred Structural Components shall be manufactured, delivered, handled, stored, and field erected in conformance with instructions prepared by the component vendor.
9. The following list includes the items that are defined as Deferred Structural Components. Additional items may be included in the project specifications.
10. Deferred structural components:
    A. Open web steel joist
    B. Masonry veneer out-of-plane anchorage system

EPOXY INSTRUCTIONS FOR ANCHORING REBAR AND BOLTS

1. Epoxy shall not be installed without prior approval of engineer unless specifically detailed on the drawings.
2. Bars must be deformed or threaded for the full embedment depth in epoxy.
3. Over-drill bar diameter as indicated by the Epoxy Manufacturer, and to the depth indicated on the structural drawings.
4. Clean hole per manufacture requirements.
5. Any dirt, rust, and oil on the bars shall be removed.
6. During the epoxy mixing and application process, install in strict accordance with ICC Report and the Epoxy Manufacturer's specifications exactly.
7. Vertical holes to be filled from the bottom are to use an epoxy gel. See also note 12.
8. The following epoxy systems are acceptable for use in uncracked, cracked and seismic concrete applications:
   Hilti HIT-HY 200 – ICC ESR-3187
   Simpson SET-XP – ICC ESR-2508
   Dewalt Pure110+ – ICC ESR-3298
   Simpson AT-XP – IAPMO UESR-0263
   Hilti HIT-RE 500 V3 – ICC ESR-3814
   Dewalt AC200+ – ICC ESR-4027
9. Threaded anchor rods shall be ASTM F1554 Grade 55 unless noted otherwise.
10. Use of any other epoxy in a seismic / cracked concrete location will only be considered with an approved third party evaluation report that includes recognition of earthquake resistance in accordance with the current IBC.
11. Installation of adhesive anchors that are to be under sustained tension loading in horizontal to vertically overhead orientation shall be done by a certified adhesive anchor installer (AAI) as certified through ACIand in accordance with ACI 318-2014 (section 17.8.2.2). Proof of current certification shall be submitted to the engineer for approval prior to commencement of installation.
12. Per ACI 318-2014 (Section 17.1.2) adhesive anchors shall be installed in concrete having a minimum age of 21 days at time of anchor installation. For installation sooner than 21 days consult adhesive manufacturer.
13. If temperature of base material at time of adhesive installation is at 45 degrees (Fahrenheit) or less, an "acrylic" (cold weather) adhesive is required.

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EXP. 05/31/2026

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Revisions Description	Date
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CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
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S0.02
STRUCTURAL DESIGN NOTES

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COLD-FORMED STEEL STRUCTURAL MEMBERS

1. GENERAL FRAMING
   - A. Steel structural studs 54 mil and thicker shall have yield strength Fy = 50 ksi.
   - B. All cold-formed steel construction shall be in accordance with the latest American Iron and Steel Institute standards and guidelines.
   - C. Typical gap at slotted slip track shall be 3/4", uno.
   - D. Typical slotted slip track shall be 43 mil min. for exterior walls, uno. and 33 mil min. for interior walls, uno. Metal studs shall meet requirements and structural properties of S.S.M.A (ICC ESR-3064P) or approved equal.
   - E. For cold-formed steel framing, track and header sizes, spacing and locations, see plans. For conditions not shown, notify engineer.
   - F. For all interior and exterior wall finishes, see architectural.
   - G. Notching or coping of studs <u>is not</u> allowed, unless specifically noted.
   - H. For all bearing conditions, ends of studs <u>must</u> seat firmly in runner track with full contact between the stud and the adjoining track web. For additional information see note 1.K.
   - I. Framing design assumes all cladding is uniformly laterally attached to each framing member and is limited to a uniform distribution of load to the framing member. The design does not include review of effects of local forces resulting from the attachment of any cladding (brick ties,attachment clips, etc.).
   - J. Punch outs shall not be located within 6" from any support, bearing location or applied load.
   - K. Non-bearing continuous track splices are to be screwed or welded as shown in the construction documents. Wire tying of stud framing components shall not be permitted.
   - L. For ledger track conditions, the supported framing is to be within an 1/8" of track ledger web.
   - M. For exterior and interior non-load bearing walls use steel structural wall bridging spaced evenly at 8'-0" oc. max., uno. Contractor, at their own option, may use continuous cold rolled channel bridging centered in stud punch outs. Steel structural stud wall bridging shall be a minimum same size and mil shown on the drawings, through stud punch outs.
   - N. For exterior and interior load bearing walls use steel structural wall bridging spaced evenly at 4'-0" oc. max., except as specifically noted on the drawings. Contractor, at their own option, may use continuous cold rolled channel bridging centered in stud punch outs. Steel structural stud wall bridging shall be a minimum same size and thickness shown in the drawings, through stud punch outs.
   - O. Contractor to coordinate insulation inside built-up with architectural drawings prior to field erection.
2. WELDING
   - A. Welding of steel structural members connections shall be done using fillet, plug, butt or seam welds with a minimum as specified in AWS D1.3. Use 70 ksi filler material.
   - B. Welders shall be qualified in cold-formed steel welding. All welding shall be performed in accordance with the latest version of AWS D1.3 specifications for Welding of Sheet Steel Structures.
   - C. Minimum weld throat thickness (t) must meet or exceed the base steel thickness of the thinnest connected part, unless noted otherwise.
3. FASTENERS AND HARDWARE
   - A. For exterior walls use #10 Hilti self drilling screws – ICC ESR-2196 or approved equal at spacing noted on plans and details, uno.
   - B. For interior walls use #8 Hilti self drilling screws – ICC ESR-2196 or approved equal at spacing noted on plans and details, uno.
   - C. Anchor cold-formed steel framing to base structure with approved expansion bolts, epoxies, screws, actuated fasteners, etc. as specified in the construction documents. For additional information see the appropriate fastener notes.
   - D. Screws spacing and edge distance shall be 5/8" min., uno.
   - E. Typical top of parapet shall be 1 1/4" track x same mil stud depth as wall with #10 screw at each side of each stud, uno.
   - F. Specified hardware shall be The Steel Network or approved equal installed per manufacturer's recommendations, uno.
   - G. All fasteners to cold-formed steel framing are to have a minimum three thread penetration into the supporting member.

FOUNDATION

1. The design of the foundation system is based on the Geotechnical report (and any addenda) prepared by the following company:

Company:	Atlas
Report No.	T230968g
Dated:	July 6, 2023

   Copies are available for review at the Architect's office and contractor shall have a copy at the job site.

2. The foundation system is designed based on the following:

Soil Bearing Capacity	1500 psf
Frost Depth	24"
Passive Pressure	349 psf/ft
Friction Coefficient	0.35

3. It is recommended that the contractor shall retain the services of a Geotechnical Engineer to perform necessary testing and inspections for quality control to ensure that the recommendations of chapter 18 of the IBC and presumptive soil loads noted above are complied with and achievable. If the recommendations of chapter 18 of the IBC and the presumptive soil loads noted above are not achievable, all work shall stop and the architect and structural engineer shall be notified immediately.
4. The contractor shall provide for proper dewatering of excavations from surface water, ground water, seepage, etc.
5. Drainage systems, including foundation, roof and surface drains, shall be installed as directed by the Geotechnical Report and IBC Section 1805.
6. Vapor retarder placed below slab on grade shall conform to ASTM E 1643 and ASTM E 1745. Coordinate placement with Geotech and/or Architectural drawings.
7. The Contractor shall provide for the installation and design of all cribbing, sheathing and shoring required to safely and adequately retain the earth banks and support any existing structures in accordance with all national, state and local safety ordinances.
8. All abandoned utilities, footings, etc., that interfere with the new construction shall be removed. Notify the Structural Engineer should any foundations for existing structures be encountered that are not shown on the structural drawings.
9. Footings shall be placed and estimated according to depths shown on the drawings. Excavations for footings shall be approved by the Geotechnical Engineer prior to placing the concrete and reinforcing. The Contractor shall notify the Geotechnical Engineer when the excavations are ready for inspection. The Geotechnical Engineer shall submit a letter of compliance to the Owner. Should soil encountered at these depths not be approved by the Geotechnical Engineer, <u>modified footing elevations or footing designs may be subject to additional engineering fees.</u>
10. All excavations shall be properly backfilled. Footing backfill and utility trench backfill within the building perimeter shall be mechanically compacted in layers, to the approval of the Geotechnical Engineer. See Geotechnical report for requirements. Backfill by flooding will not be permitted.
11. The Contractor shall not backfill behind retaining walls before the concrete or masonry walls have reached full design strength. The Contractor shall brace or protect all building and pit walls below grade from lateral loads until attaching floors are completely in place and have reached full design strength. The Contractor shall provide for the design, any required permits and the installation of such bracing and protection.
12. Sub-base below, slabs on grade shall be supported on natural grade or structural fill as directed in the Geotechnical report or by a geotechnical engineer. Sub-grade will be compacted per the recommendations of the geotechnical engineer and no sub-grade rutting will be allowed at time of concrete placement under slabs on grade.
13. Unless otherwise noted, footings shall be centered below columns or walls.
14. EXISTING UTILITIES:
   - A. The contractor shall determine the location of all adjacent underground utilities prior to any excavation, shoring, pile driving, or pier drilling. Any utility information shown on the plans and details are approximate and not verified by the structural Engineer of record. Contractor is to provide protection of any utilities or underground structures during construction.
15. NEW UTILITIES:
   - A. Contractor to determine the location of all new below grade utilities and coordinate placement with new footings, see general details for foundation at or adjacent to excavations and utilities.
16. RETAINING WALLS:
   - A. Grade on either side of concrete walls shall not vary by more than 4”, uno. Slope of backfill shall not exceed 12H to 1V, uno. Backfill behind all retaining walls with free draining, granular fill installed per the Geotechnical Report. Provide for subsurface drainage. Design pressures used for the design of retaining walls are based on drained conditions.
   - B. Retaining walls are to be designed for active and passive soil pressures, see note 2.
   - C. Provide temporary shoring for tops of walls if backfill is placed prior to the supporting structure being constructed. Supporting structure is the floor framing and sheathing completely installed and attached to perpendicular walls.

STRUCTURAL STEEL

1. Submit shop drawings to structural engineer indicating fabrication of structural steel components. Include details of cuts, connections, splices, camber, holes and other pertinent data. Include embedment drawings. Indicate welds by standard AWS symbols, distinguishing between shop and field welds,and show size, length and type of each weld. Indicate type, size and length of bolts distinguish between shop and field bolts. Identify retensioned and slip-critical high strength bolted connections.
2. Designing, detailing, fabrication, and erection of structural steel shall be in accordance with the American Institute of Steel Construction (latest edition and supplements). See general notes for additional information.
3. Structural steel not exposed to weather shall be left unpainted unless noted otherwise in the architectural drawings and/or specifications.
4. MATERIALS:
   - A. Structural Steel Shapes Shall Conform to the following: Structural steel "W" shapes shall comply to ASTM Standard A992.
   - B. Angles, plates "M" and "S" shapes, channels and bars shall comply to ASTM Standard A36, unless noted otherwise.
   - C. Steel pipe shall comply to ASTM Standard A53 grade B (Fy = 35 ksi).
   - D. Rectangular and square Hollow Structural Sections (HSS) shall comply to ASTM Standard A500 grade B (Fy = 46 ksi).
   - E. Round Hollow Structural Sections (HSS) shall comply to ASTM Standard A500 grade B (Fy = 42 ksi).
5. WELDING:
   - A. All welding shall comply to the American Welding Society Standard (AWS D1.1 and AWS D1.8). All welded joints shall be detailed as indicated by the prequalified joint details in the Structural Welding Code.
   - B. Weld lengths called for on plans are the net effective length required. Weld size shall be AISC minimum unless a larger size is noted. All welds shall use minimum E70XX electrodes.
   - C. Welding tests and inspections, see specifications.
   - D. Filler material covered in ANSI/AWS D1.1 TABLE 3.1.
6. BOLTING:
   - A. Anchor bolts and rods shall conform to ASTM F1554, grade 55 unless noted otherwise.
   - B. Bolts shall conform to ASTM A325-N TYPE 1 less than 1 1/2" dia. uno., see also note 'G' below.
   - C. Weather or Corrosion Resistance bolts are required to conform to A325-N Type 3.
   - D. Nuts shall conform to ASTM A563.
   - E. Washers shall conform to ASTM F436. Washers used in load transfer or subject to direct tension shall conform to ASTM F844.
   - F. Threaded rods shall comply to ASTM A36 uno.
   - G. Except as subsequently noted, high strength bolts need not be tightened beyond the snug-tight condition, as defined in section 8.1 of the specifications for structural joints using ASTM A325 or A490 Bolts. For connections subject to direct tension, connections for braced frames, and other connections shown or noted on the plans as SC (slip critical) or fully tensioned, bolts shall be tightened by one of the methods described in section 8.2 and to the minimum tension specified in section 8.2, Table 8.1.
   - H. Bolt holes in steel shall be 1/16 inch larger than nominal size of bolt used, except anchor bolt holes which may be 1/8" larger or as noted on drawings.
7. ANCHOR STUDS, SHEAR STUDS, AND DEFORMED ANCHORS:
   - A. Shall be manufactured by Nelson Stud Welding Co. or equal.
   - B. Headed studs (shear and anchor) shall be made of material conforming to ASTM A108.
   - C. Deformed anchors shall be made of material conforming to ASTM A496.
   - D. Studs and anchors shall be welded according to manufacturer's recommendations. Manual arc (stick) welding of headed studs and/or deformed anchors is not allowed: Paragraphs 7.5.5 to 7.5.5.6 of AWS D1.1, are deleted.
8. STEEL DECK:
   - A. Deck shall be cold rolled steel factory primer painted uno., and conforming to ASTM A 1008 grade 33 minimum (minimum yield of 38ksi), with the profile, depth, and uncoated thickness as indicated on the drawings. All metal accessories are to have the same thickness as the decking, uno.
   - B. Minimum bearing of steel deck on supports shall be 2 inches. All 3" deep steel deck shall have minimum bearing of 3". Sheets shall be attached to all supporting steel members as indicated on drawings and in accordance with manufacturer's recommendations.
   - C. Minimum deck connection shall be 7-1/2" puddle welds per sheet and 3/16" button punch or welds at 12" oc. uno. See plans for additional information.
   - D. See architectural, mechanical, electrical, etc., for sizes and locations of deck openings and for deck openings smaller than 12" not shown on the structural drawings. See general details for framing requirements at deck openings. Openings larger than 12" shall not be placed in deck unless specifically shown on the structural drawings.
   - E. <u>DO NOT</u> hang loads from metal deck. Provide engineered structural system to hang all loads from steel joists or beams. This includes but is not limited to metal stud soffit or ceiling framing, mechanical or plumbing equipment, etc.
   - F. Steel deck manufacturers shall submit shop drawings for approval.
   - G. Steel deck units with concrete fill shall be continuous over three or more spans. If steel deck units with concrete fill span less than 3 spans, the deck units shall be shored, uno. steel roof deck units shall be continuous over two or more spans, uno.
   - H. All exterior exposed or high moisture area decks are to be galvanized. Galvanized deck to be zinc coated steel per ASTM A653, grade 33 minimum (minimum yield of 38 ksi) and ASTM A653, G60 with the profile, depth and uncoated thickness as indicated on the drawings. All metal accessories are to have the same thickness as the decking, uno. Upon completion of erection, all welds on galvanized steel deck areas shall be de-slagged, cleaned and touched-up with a zinc rich primer.
9. OPEN WEB STEEL JOISTS
   - A. Steel joists and joist girders shall conform to SJI CJ-1.0, SJI K-1.1, SJI LH/DLH-1.1 & SJI JG-1.1 published by the Steel Joist Institute (SJI) and as adopted by the International Building Code Section 2207.
   - B. <u>Steel joist fabricator shall submit shop drawings and calculations sealed by an engineer licensed in the appropriate state per the appropriate discipline for EOR records prior to project closeout.</u>
   - C. Steel joist fabricator shall design and provide joist bridging as required by current SJI and AISC recommendations. As a minimum contractor is responsible for end bay bridging for wind uplift. As a minimum all joists 60 feet and longer must have bolted bridging in place prior to slackening of hoisting lines. Contractor to coordinate all other erection bridging requirements as required by the joist manufacturer.
   - D. Steel joist fabricator shall design joist and joist girder bearings to resist a horizontal force acting parallel to the joist. The force shall be the greater of: The strut force (SF) shown on plan or the seismic anchorage force Fp (per ASCE 7-10 section 12.11.2.). See notes E and F below.
   - E. Top chords of joists shall be designed for the seismic or wind Axial collector forces (tension or compression) shown on plan. SF = Strut Force. Strut forces shown on plans are **UNFACTORED** and <u>**DO**</u> include overstrength per ASCE 7-10 12.10.2.1.
   - F. Steel joists shall be designed using the following minimum load criteria (All loads shown are **UNFACTORED** and <u>**DO**</u> include overstrength factor per ASCE 7-10 12.11.2.2.2):

Dead Load	As indicated on plan
Live / Snow Loads	100% of Live / Snow Load indicated on plans shall be applied to the top chord.
Uplift (Net Ultimate Uplift)	For joist with bare steel deck - 16 psf net uplift load shall be applied to the top chord. (Non - Reducible)
Fp (Seismic Axial Force)	700#

   - G. Refer to the framing plans for any additional concentrated or uniform load design requirements (Mechanical units, wind/seismic, screen walls platforms, etc.).
   - H. Contractor shall field install a web member on joists from point of load to nearest panel point on opposite chord when concentrated loads are not applied directly at panel points. See general details for additional information.
   - I. Joist bearings are shown flat in the details. Adjust for slope as required. Provide continuous 68 mil L- shaped strip if supporting steel members are not flat with respect to decking.
   - J. All OSHA requirements and standards for Open Web/Bar Joists shall be followed. Such requirements would include but not be limited to; bolted erection connections, bottom chord stability plates, bridging, etc.
   - K. The maximum Open Web Joist live load deflection shall be 1/360 of the span length.
   - L. <u>DO NOT</u> camber joists parallel to bearing walls, flat beams, etc. where the drawings show the supported deck directly attaching to both the joists and other bearing elements.

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#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
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Jerome, Idaho

DATE: 10/28/24
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STRUCTURAL DESIGN NOTES

2018 IBC SPECIAL INSPECTION TABLES

IBC 2018 - Section	IBC 2018 - Task	IBC 2018 - Inspection Type	IBC 2018 - Description
INSPECTION DEFINITIONS:			
Perform	Perform these tasks for each weld, fastener, or bolted connection and noted verification		
Observe	Observe these items on a random basis during the course of each work day to insure that applicable requirements of the code are being met. Operations need not be delayer pending these inspections at contractor's risk		
Document	Document, with a report that the work has been performed in accordance with the contract documents. This is in addition to any other reports required in the Special Inspection guide specifications		
Continuous	The full-time observation of work requiring special inspection by an approved special inspector who is in the area where the work is being performed		
Periodic	The part-time or intermittent observations of work requiring special inspection by an approved special inspector who is present in the area where the work has been or is being performed and at the completion of the work		
	STRUCTURAL - STEEL - WELDING SECTION		
STEEL INSPECTION PRIOR TO WELDING - Verify the following are in compliance with IBC 1705.2.1, AISC 360-16: Table C-N5.4-1			
1	Verify that the welding procedures specifications (WPS) is available	Perform	
2	Verify manufacturer certifications for welding consumables are available	Perform	
3	Verify material identification	Perform	Type and Grade
4	Welder identification system	Perform	
5	Fit-up of groove welds (including joint geometry)	Observe	● Joint preparation ● Dimensions (alignment, root opening, root face, bevel) ● Cleanliness (condition of steel surfaces) ● Tacking (tack weld quality and location) ● Backing type and fit (if applicable)
6	Configuration and finish of access holes	Observe	
7	Fit-up of fillet welds	Observe	● Dimensions (alignment, gabs at root) ● Cleanliness (condition of steel surfaces) ● Tacking (tack weld quality and location)
STEEL INSPECTION DURING WELDING - Verify the following are in compliance with IBC 1705.2.1, AISC 360-16: Table C-N5.4-2			
8	Use of qualified welders	Perform	Welding by welders, welding operators, and tack welders who are qualified in conformance with requirements
9	Control and handling of welding consumables	Observe	● Packaging ● Electrode atmospheric exposure control
10	No welding over racked tack welds	Observe	
11	Environmental conditions	Observe	● Wind speed within limits ● Precipitation and temperature
12	Welding procedures specification followed	Observe	● Settings on welding equipment ● Travel speed ● Selected welding materials ● Shielding gas type / flow rate ● Preheat applied ● Interpass temperature maintained (min. / max.) ● Proper position (F, V, H, OH) ● Intermix of filler metals avoided
13	Welding techniques	Observe	● Interpass and final cleaning ● Each pass within profile limitations ● Each pass meets quality requirements
STEEL INSPECTION AFTER WELDING - Verify the following are in compliance with IBC 1705.2.1, AISC 360-16: Table C-N5.4-3			
14	Welds Cleaned	Observe	
15	Size, length, and location of all welds	Perform	Size, length, and location of all welds conform to the requirement of the detail drawings
16	Welds meet visual acceptance criteria	Perform and Document	● Crack prohibition ● Weld / base-metal fusion ● Crater cross section ● Weld profiles ● Weld size ● Undercut
17	Arc strikes	Perform	
18	k-area	Perform	When welding of doubler plates, continuity plates, or stiffeners has been performed in the k-area visually inspect the web k-area for cracks
19	Backing removed, weld tabs removed and finished, and fillet welds added where required	Perform	
20	Repair activities	Perform and Document	
21	Document acceptance or rejection of welded joint or member	Perform	
	STRUCTURAL - STEEL - BOLTING SECTION		
STEEL INSPECTION TASKS PRIOR TO BOLTING - Verify the following are in compliance with IBC 1705.2.2, AISC 360-16: Table C-N5.6-1			
1	Manufacturer's certifications available for faster materials	Perform	
2	Fasteners marked in accordance with ASTM requirements	Observe	
3	Proper fasteners selected for joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	Observe	
4	Proper bolting procedure selected for joint detail	Observe	
5	Connection elements, including appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	Observe	
6	Proper storage provided for bolts, nuts, washers, and other fastener components	Observe	
STEEL INSPECTION TASKS DURING BOLTING - Verify the following are in compliance with IBC 1705.2.1, AISC 360-16: Table C-N5.6-2			
7	Fastener assemblies of suitable condition, placed in all holes and washers (if required) are positioned as required	Observe	
8	Joint brought to the snug-tight condition prior to pretensioning operation	Observe	
9	Fastener component not turned by the wrench prevented from rotating	Observe	
10	Bolts are pretensioned in accordance with RCSC Specification, progressing systematically from the most rigid point toward the free edges	Observe	
STEEL INSPECTION TASKS AFTER BOLTING - Verify the following are in compliance with IBC 1705.2.1, AISC 360-16: Table C-N5.6-3			
11	Document acceptance or rejection of all bolted connections	Document	
	STRUCTURAL - STEEL - NON-DESTRUCTIVE TESTING		
NON-DESTRUCTIVE TESTING OF WELDED JOINTS - Verify the following are in compliance with IBC 1705.2.1, AISC 360-16: Section N5.5			
1	Use of qualified non-destructive testing personnel	Perform	Visual weld inspection and non-destructive testing (NDT) shall be conducted by personnel qualified in accordance with AWS D1.8 clause 7.2
2	CJP groove welds	Observe	[NOTE: EOR must delete this row if section D (SEISMIC PROVISIONS SECTION) is checked] Dye penetrant testing (DT) and ultrasonic testing (UT) shall be performed on 20% of CJP groove welds for materials greater than 5/16" (8mm) thick. Testing rate must be increased to 100% if greater than 5% of welds tested have unacceptable defects
3	Welded joints subject to fatigue	Observe	Dye penetrant testing (DT) and ultrasonic testing (UT) shall be performed on 100% of welded joint identified on contract drawings and being subject to fatigue
4	Weld tab removal sites	Observe	At the end of welds where weld tabs have been removed, magnetic particle testing shall be performed on the same beam-to-column joints receiving (UT)

2018 IBC SPECIAL INSPECTION TABLES

IBC 2018 - Section	IBC 2018 - Task	IBC 2018 - Inspection Type	IBC 2018 - Description
	STRUCTURAL - STEEL - OTHER INSPECTIONS		
OTHER STEEL INSPECTIONS - Verify the following are in compliance with IBC 1705.2.1, AISC 341-16: Tables J8-1 and J10-1			
1	Anchor rods and other embedments supporting structural steel	Perform	Verify the diameter, grade, type, and length of the anchor rod or embedded item, and the extent or depth of embedment prior to placement of concrete
2	Fabricated steel or erected steel frame	Observe	Verify compliance with the details shown on the construction documents, such as braces, stiffeners, member locations, and proper application of joint details at each connection
3	Reduced beam sections (RBS) where / if occurs	Document	● Contour and finish ● Dimensional tolerances
4	Protected zones	Document	No holes or unapproved attachments made by fabricator or erector
5	H-piles where / if occurs	Document	No holes or unapproved attachments made by the responsible contractor
	STRUCTURAL - COLD-FORMED METAL DECK - PLACEMENT SECTION		
METAL DECK INSPECTION PRIOR TO DECK PLACEMENT - Verify the following are in compliance with IBC 1705.2.2.1.1, SDI QA/QC-2017, Appendix 1, Table 1.1			
1	Verify compliance of materials (deck and all deck accessories) with construction documents, including profiles, material properties, and base metal thickness	Perform	
2	Document acceptance or rejection of deck and deck accessories	Document	
METAL DECK INSPECTION DURING DECK PLACEMENT - Verify the following are in compliance with IBC 1705.2.2.1.1, SDI QA/QC-2017, Appendix 1, Table 1.2			
3	Verify compliance of deck and all deck accessories installation with the construction documents	Perform	
4	Verify deck materials are represented by the mill certifications that comply with the construction documents	Perform	
5	documnet acceptance or rejection of installation of deck and deck accessories	Document	
METAL DECK INSPECTION AFTER DECK PLACEMENT - Verify the following are in compliance with IBC1705.2.2.1.1, SDI QA/QC-2017, Appendix 1, Table 1.3			
6	Welding procedure specification (WPS) available	Perform	
7	Manufactures certification for welding consumables available	Document	
8	Material identification (type / grade)	Document	
9	Check welding equipment	Document	
	STRUCTURAL - COLD-FORMED METAL DECK - WELDING SECTION		
METAL DECK INSPECTION DURING WELDING - Verify the following are in compliance with IBC 1705.2.2.1.1, SDI QA/QC-2017, Appendix 1, Table 1.4			
1	Use of qualified welders	Observe	
2	Control and handling of welding consumables	Observe	
3	Environmental conditions (wind speed, moisture, temperature)	Observe	
4	WPS followed	Observe	
METAL DECK INSPECTION AFTER WELDING - Verify the following are in compliance with IBC 1705.2.2.1.1, SDI QA/QC-2017, Appendix 1, Table 1.5			
5	Verify size and location of welds, including support, side-lap, and perimeter welds	Perform	
6	Welds meet visual acceptance criteria	Perform	
7	Verify repair activities	Perform	
8	Document acceptance or rejection of welds	Document	
	STRUCTURAL - COLD-FORMED METAL DECK - FASTENING SECTION		
METAL DECK INSPECTION BEFORE MECHANICAL FASTENING - Verify the following are in compliance with IBC 1705.2.2.1.1, SDI QA/QC-2017, Appendix 1, Table 1.6			
1	Manufacturer installation instructions available for mechanical fasteners	Observe	
2	Proper tools available for fastener installation	Observe	
METAL DECK INSPECTION BEFORE MECHANICAL FASTENING - Verify the following are in compliance with IBC 1705.2.2.1.1, SDI QA/QC-2017, Appendix 1, Table 1.7			
3	Fasteners are positioned as required	Observe	
4	Fasteners are installed in accordance with manufacturer's instructions	Observe	
METAL DECK INSPECTION BEFORE MECHANICAL FASTENING - Verify the following are in compliance with IBC 1705.2.2.1.1, SDI QA/QC-2017, Appendix 1, Table 1.8			
5	Check spacing, type, and installation of support fasteners	Perform	
6	Check spacing, type, and installation of side-lap fasteners	Perform	
7	Check spacing, type, and installation of perimeter fasteners	Perform	
8	Verify repair activities	Perform	
9	Document acceptance or rejection of mechanical fasteners	Document	
	STRUCTURAL - OPEN-WEB STEEL JOISTS SECTION		
OPEN-WEB STEEL JOIST AND GIRDERS - Verify the following are in compliance with SJI specification Section 2207.1 and IBC Table 1705.2.3			
1	Installation of open-web steel joists and joist girders	Periodic	● End connections - welded or bolted ● Bridging - horizontal and diagonal
	STRUCTURAL - COLD-FORMED STEEL FRAMING AND/ OR COLD-FORMED TRUSSES SECTION		
COLD-FORMED STEEL CONSTRUCTION AND CONNECTIONS - Verify the following are in compliance with IBC 1705.2.2, 1705.10.2, 1705.11.3			
2	Welded connections (seismic and/ or wind resisting system)	Observe	Visually inspect all welds composing part of the main wind or seismic force resisting system, including shear walls, braces, collectors (drag struts), and hold-downs. [NOTE: AOR. must identify critical wind and/ or seismic force resisting welds in the contract drawings so that the special inspector can confirm compliance]
3	Connections (seismic and/ or wind resisting system)	Observe	Visually inspect all screw attachment, bolting, anchoring, and other fastening of components within the main wind or seismic force resisting system, including roof deck, roof framing, exterior wall covering, wall to roof/ floor connections, braces, collectors (drag struts), and hold-downs. [NOTE: AOR. must identify critical wind or seismic force resisting connection fastener components in the contract drawings so that the special inspector can confirm compliance]
4	Cold-formed steel (Progressive collapse resisting system where/ if applies)	Observe	Verify proper welding operations, screw attachment, bolting, anchoring, and other fastening of components within the progressive collapse resisting system, including horizontal tie force elements, vertical tie force elements, and bridging elements (UFC 4 023 03). [NOTE: AOR. must identify critical progressive collapse resisting connection/ fastener components in the contract drawings so that the special inspector can confirm compliance]

2018 IBC SPECIAL INSPECTION TABLES

IBC 2018 - Section	IBC 2018 - Task	IBC 2018 - Inspection Type	IBC 2018 - Description
	STRUCTURAL - CONCRETE CONSTRUCTION SECTION		
CONCRETE CONSTRUCTION, INCLUDING COMPOSITE DECK - Verify the following are in compliance with IBC Table 1705.3 (ACI 318 references noted in IBC Table)			
1	Inspect reinforcement, including prestressing tendons, and verify placement	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade, and size; that it is free of oil, dirt, and unacceptable rust; that it is located and spaced properly; that hooks, bends, ties, stirrups, and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instruction and/ or evaluation report
3	Inspect anchors cast in concrete	Periodic	Verify prior to paving concrete that cast in place anchors and post installed drilled anchors have proper embedment, spacing, and edge distance
4	Inspect anchors post-installed in hardened concrete members	● Continuous and Document ● Periodic	(a) Adhesive anchors installed in horizontally or upward inclined orientations to resist sustained tension loads, (b) Mechanical anchors and adhesive anchors not defined in 4a
5	Verify use of required mix design	Periodic	Verify that all mixes used comply with the approved construction documents
6	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	Continuous	At the time fresh concrete is sampled to fabricate specimens for strength test, verify these tests are performed by qualified technicians
7	Inspect concrete and shotcrete placement for proper application techniques	Continuous	Verify proper application techniques are used during concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated
8	Verify maintenance of specified curing temperature and technique	Periodic	Inspect curing, cold weather protection, and hot weather protection procedures
9	Inspect prestressed concrete	Continuous	Verify application of prestressing forces and grouting of bonded prestressing tendons
10	Inspect erection of precast concrete members	Periodic	
11	Verify in-situ concrete strength prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs	Periodic	
12	Inspect formwork for shape, location, and dimensions of the concrete member being formed	Periodic	
	GEOTECHNICAL - SOILS INSPECTION SECTION		
SOILS INSPECTION - Verify the following are in compliance with IBC Table 1705.6			
1	Materials below shallow foundations are adequate to achieve the design bearing capacity	Periodic	
2	Excavations are extended to proper depth and have reached proper material	Periodic	
3	perform classification and testing of compacted fill materials	Periodic	
4	Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	Continuous	
5	Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly	Periodic	During fill placement, the special inspector shall verify that proper materials and procedures are used in accordance with the provisions of the approved geotechnical report

QUALITY ASSURANCE AND SPECIAL INSPECTION

1. Quality Assurance for Seismic Resistance
   - A. Special inspection in accordance with the requirements of IBC section 1704, 1705, and structural testing in accordance with the requirements of IBC section 1705.12 shall be required for:
   - B. All seismic force resisting systems shown in elevation or plan.
   - C. The type and frequency of special inspection, structural testing and subsequent reporting conforming to the requirements of IBC section 1704 and 1705 shall be submitted by the inspection and testing agencies to the architect/structural engineer for approval.
   - D. Structural observations and subsequent reporting of general conformance to the structural drawings shall be performed periodically by the engineer in responsible charge at his/her discretion or when specifically required by the building official.
2. Quality Assurance for General Construction
   - A. Testing Laboratory: Retained by owner and satisfactory to Architect/Structural Engineer and governing code authority to perform required tests and inspections of this contract and applicable code.
   - B. Material Certification: Submit laboratory test reports certifying materials are of identifiable tested stock to owner, testing laboratory, Architect/Structural Engineer and, upon request, to governing code authority. If laboratory test reports cannot be made available, testing laboratory will perform tests as directed by Architect/Structural Engineer. Contractor shall pay testing laboratory for costs related to tests and inspections of unidentifiable materials or materials furnished without laboratory test reports, materials found deficient after initial tests and inspections, or materials replacing deficient materials.
   - C. Special inspection in accordance with the requirements of IBC section 1704 and 1705 shall be required for items indicated on special inspection tables on this sheet.

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#	Revisions Description	Date

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S0.04
SPECIAL INSPECTION TABLES

1 FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. Top of concrete floor reference elevation = 100'-0" typical uno. thus. X' - X"
5. Slab on grade shall be 4" thick concrete with 4x4 W2.9xW2.9 welded wire fabric, placed 2" clear from top of concrete. See architectural drawings for slab depressions, slopes, etc.
6. Slab on grade shall be 6" thick concrete with #4 at 18" oc. each way.
7. Top of exterior footing shall be elevation 98'-0" max. and top of interior footing shall be 99'-4" max., typ. uno. thus TOF X' - X"
8. Contractor to coordinate slab on grade control joints with 1 / S5.03.
9. See Geo-Tech report for underslab and footing requirements.
10. For general concrete/foundation details, see sheets S5.01 thru S5.03.
11. F# and CF# Denotes footing type, see 5 / S4.01.
12. Contractor to coordinate placement of utilities thru or adjacent to the footings or stem walls with detail or the footings may be stepped, see 1 / S5.02 at contractors option, typ.
13. S—S Indicates step(s) in footing, see 2 / S5.02.
14. BPL (#) Denotes base plate type, see 1 / S4.01.
15. S/HD# Denotes cold-formed steel hold-down, see 2 / S4.02 for cold-formed steel hold-down schedule.
16. 0' - 7" # Denotes cold-formed steel shear wall, see 1 / S4.02. All cold-formed steel shear walls are to be considered LFRS. Contractor to field coordinate actual wall lengths and hold-down locations with architectural drawings.
17. Cold-formed steel wall framing, typ.
    A. Bearing CFS wall framing to be 600S162-54 at 16" oc. uno.
18. For all structural walls and shear walls not shown on this plan, see the framing plan at the floor or roof above.
19. Denotes recessed, or elevated floor elevations, coordinate size and location with arch. and mechanical. Also see 4 / S5.02 or 5 / S5.02 where applicable.
20. Denotes slab sloping to drain. Coordinate with Architectural and Plumbing.

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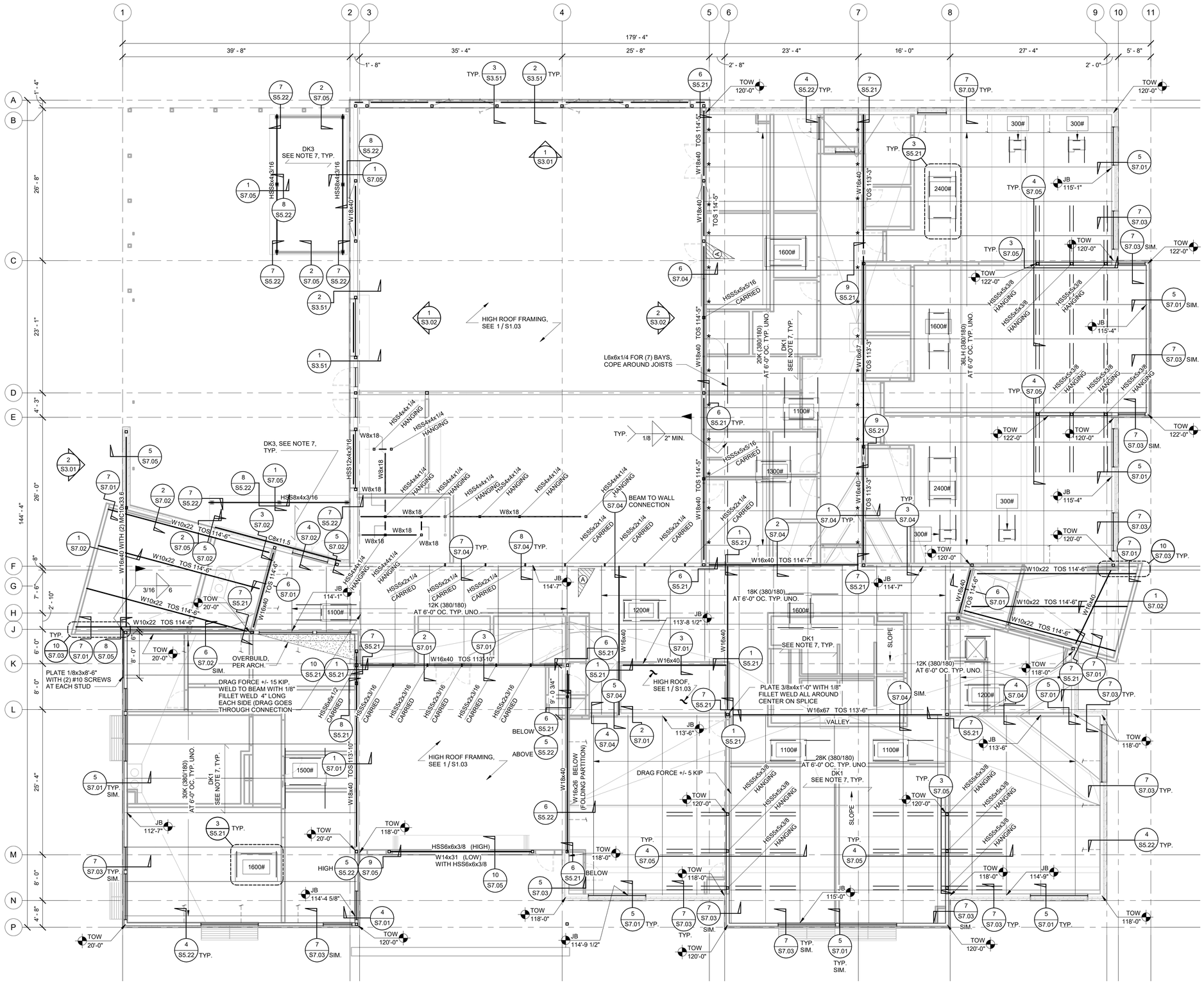
FOUNDATION PLAN



1 ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. For general framing details, see sheets S5.21 thru S5.32.
5. 000# — Roof supported mechanical unit with operating weight. Provide framing under mechanical unit curb. Coordinate exact location, size and number of deck penetrations with mechanical. For additional information, see 3 / S5.21.
6. Field coordinate roof openings and support framing locations. For typical deck reinforcing at deck penetrations, see 3 / S5.21.
7. For steel deck schedule and loading plan see 7 / S4.01.
8. For beam to beam or beam to column connection, see 1 / S5.21 and 6 / S5.21 unless specifically detailed.
9. BOD X' - X" — Denotes bottom of deck elevation. Work point is a projection up from grid or the center of framing/wall below.
10. SF=# — Denotes axial force, includes over-strength, joist, see S0.04 for additional requirements.
11. All structural walls shown on this plan are located below the floor framing. Exterior stud framing to be 600S162-54 at 16" oc., uno.
12. Joist bridging to be designed by joist manufacturer per SJI. For additional information, see 4 / S5.22 and 2 / S5.22 .
13. H# — Denotes header, see schedule on 8 / S4.01 .
14. A — Denotes snow drift area to be included in joist design by manufacturer. Loads are as indicated on the snow drift schedule on 6 / S4.01. Typical extents of drift are for the full length of wall.
15. In addition to all loads indicated on plans, the joist manufacturer shall design all floor and roof joists for a 500 pound concentrated dead load at any location along the length of top chord, and a 250 pound concentrated dead load at any location along the length of bottom chord. The added load indicated above do not need to act simultaneously.

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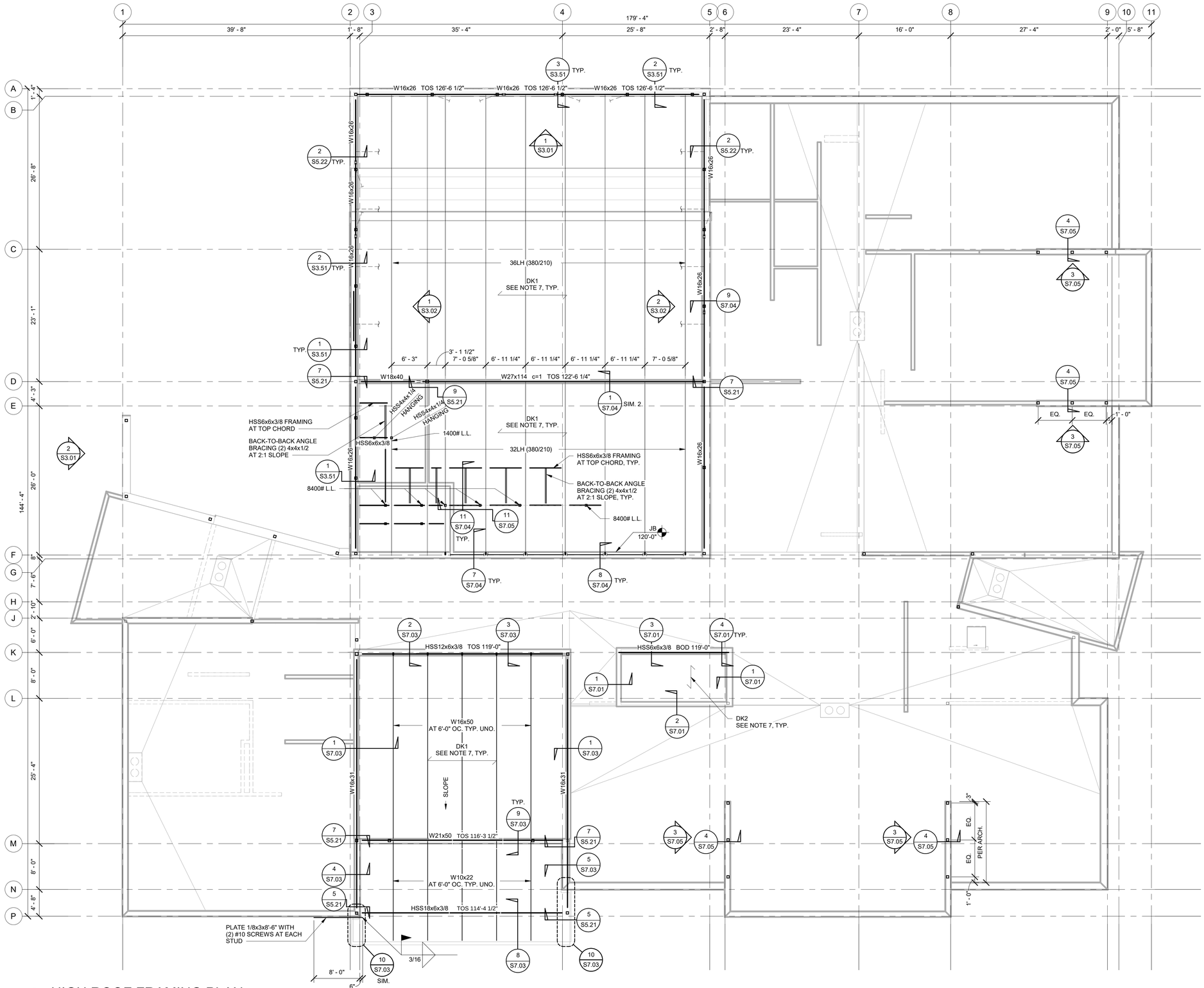
S1.02
ROOF FRAMING PLAN



1 HIGH ROOF FRAMING PLAN
1/8" = 1'-0"

N

ROOF FRAMING PLAN NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. For general framing details, see sheets S5.21 thru S5.32.
5. 000# — Roof supported mechanical unit with operating weight. Provide framing under mechanical unit curb. Coordinate exact location, size and number of deck penetrations with mechanical. For additional information, see 3 / S5.21.
6. Field coordinate roof openings and support framing locations. For typical deck reinforcing at deck penetrations, see 3 / S5.21.
7. For steel deck schedule and loading plan see 7 / S4.01.
8. For beam to beam or beam to column connection, see 1 / S5.21 and 6 / S5.21 unless specifically detailed.
9. BOD X' - X" — Denotes bottom of deck elevation. Work point is a projection up from grid or the center of framing/wall below.
10. SF=# — Denotes axial force, includes over-strength, joist, see S0.04 for additional requirements.
11. All structural walls shown on this plan are located below the floor framing. Exterior stud framing to be 600S162-54 at 16" oc., uno.
12. Joist bridging to be designed by joist manufacturer per SJI. For additional information, see 4 / S5.22 and 2 / S5.22 .
13. H# — Denotes header, see schedule on 8 / S4.01 .
14. A — Denotes snow drift area to be included in joist design by manufacturer. Loads are as indicated on the snow drift schedule on 6 / S4.01. Typical extents of drift are for the full length of wall.
15. In addition to all loads indicated on plans, the joist manufacturer shall design all floor and roof joists for a 500 pound concentrated dead load at any location along the length of top chord, and a 250 pound concentrated dead load at any location along the length of bottom chord. The added load indicated above do not need to act simultaneously.

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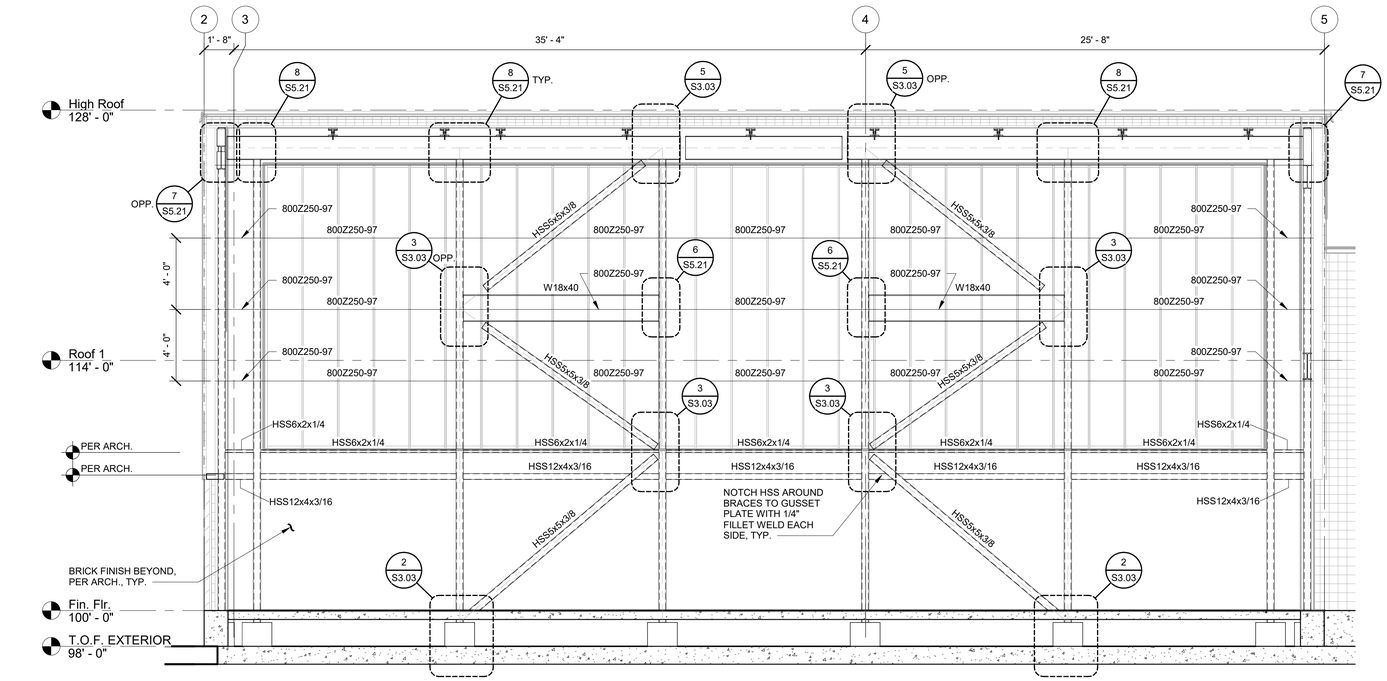
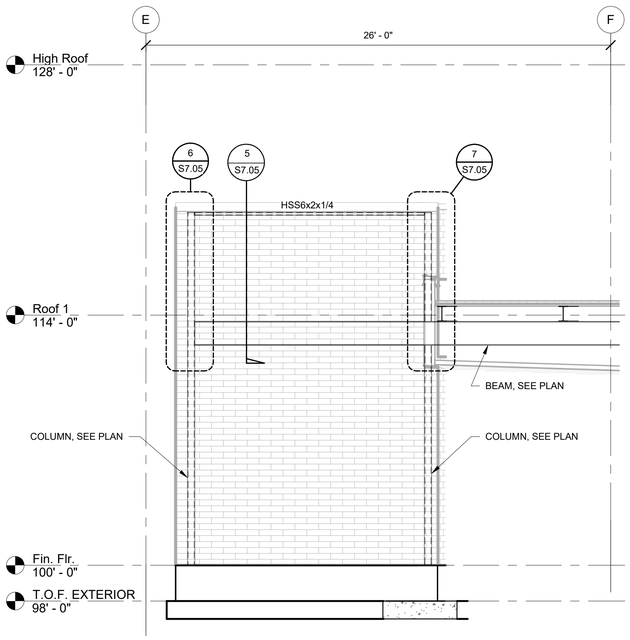
S1.03
HIGH ROOF FRAMING PLAN



1 TRANSLUCENT PANEL FRAMING ELEVATION

1/4" = 1'-0"



2 SCREEN WALL FRAMING ELEVATION

1/4" = 1'-0"

BRACE FRAME ELEVATION NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. Details shown on this sheet refer to steel elements only. For concrete pier on foundation construction see plans.
5. For typical brace frame details see S3.03.
6. All brace frame elements shown on this sheet are to be constructed LFRS, uno.
7. Coordinate all framing elevations and adjacent framing with plans.

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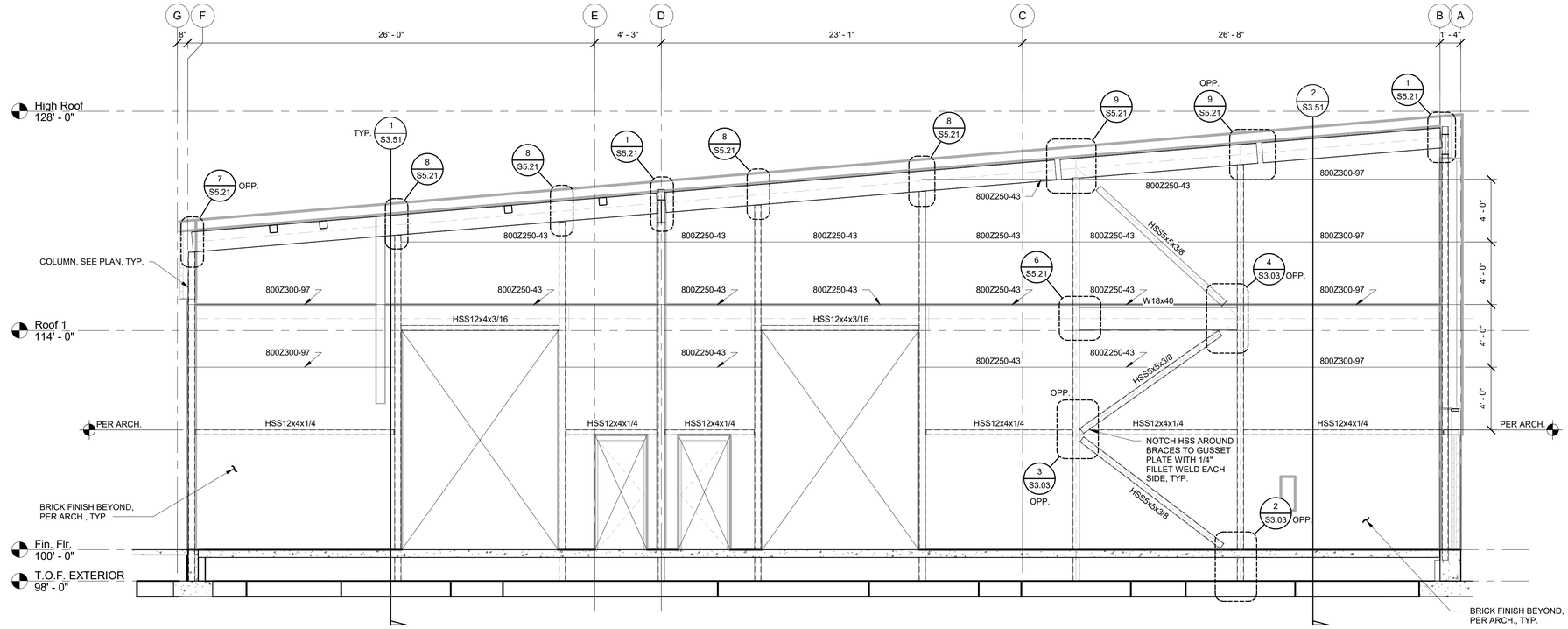
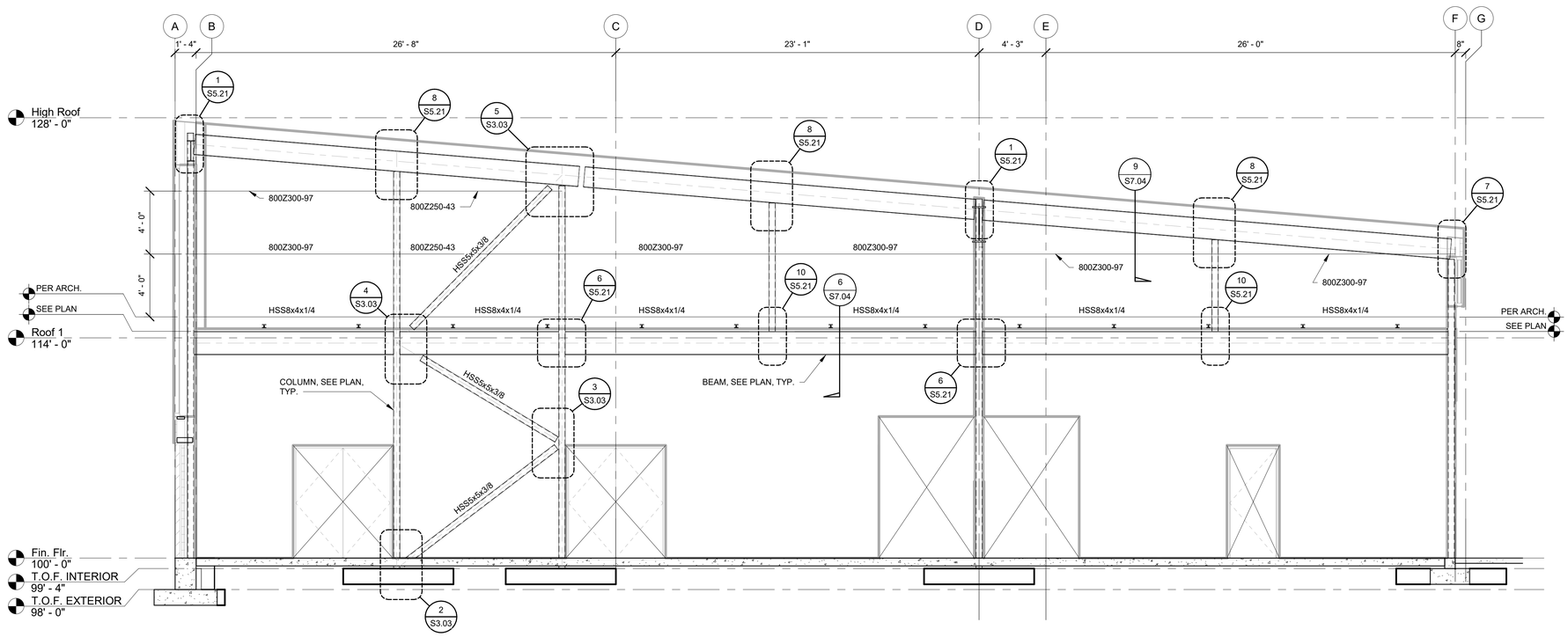
S3.01
BRACE FRAME ELEVATION



1 BRACE FRAME ELEVATION

1/4" = 1'-0"



2 BRACE FRAME ELEVATION

1/4" = 1'-0"

BRACE FRAME ELEVATION NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. Details shown on this sheet refer to steel elements only. For concrete pier on foundation construction see plans.
5. For typical brace frame details see S3.03.
6. All brace frame elements shown on this sheet are to be constructed LFRS, uno.
7. Coordinate all framing elevations and adjacent framing with plans.

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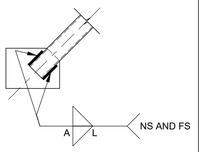
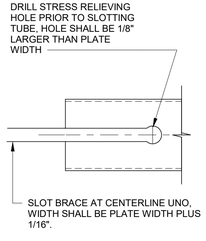
S3.02
BRACE FRAME ELEVATIONS

BRACE WELDING



BRACE CONNECTION



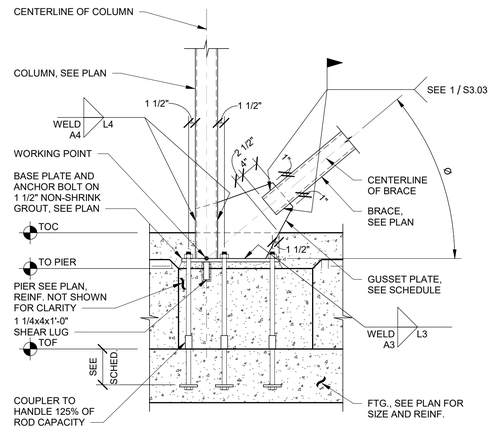
SCHEDULE

BRACE SIZE	A	L (MIN.)
A	5/16	4"

NOTES:
1. Weld length "L" shall be at least equal to the width of the brace.
2. Weld shall start from the end of the brace.

BRACE CONNECTION 1
NO SCALE

BRACE CONNECTIONS



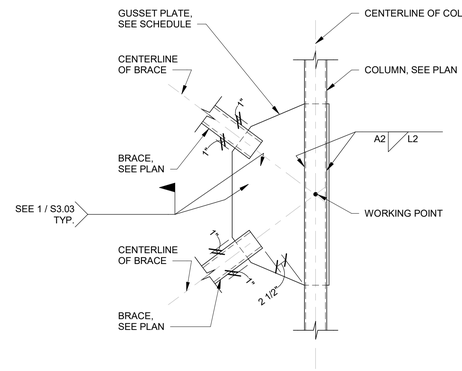
SCHEDULE

DETAIL	GUSSET PLATE THICKNESS	WELD A3	L3	WELD A4	L4
A	3/4"	5/16"	12"	3/16"	10"

NOTE:
1. Weld length shown is minimum, provide weld for full length of joint where longer plate is required.

BRACE CONNECTION 2
NO SCALE

BRACE CONNECTIONS



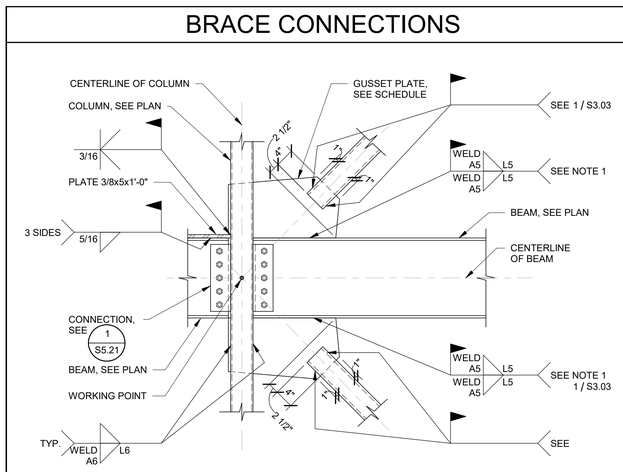
SCHEDULE

DETAIL	GUSSET PLATE THICKNESS	WELD A2	L2
A	3/4"	5/16	24"

NOTES:
1. All bolts in brace connections shall be 1" DIA. A490-TC.
2. Where size of connection plate differs from Beam Connection Schedule the larger plate size shall be used.
3. Weld length shown is minimum, provide weld for full length of joint where longer plate is required.

BRACE CONNECTION 3
NO SCALE

BRACE CONNECTIONS



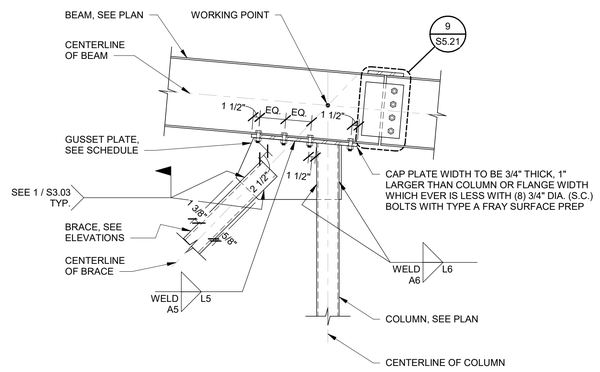
SCHEDULE

DETAIL	GUSSET PLATE THICKNESS	WELD A5	L5	WELD A6	L6
A	3/4"	5/16"	24"	5/16"	12"

NOTE:
1. Weld length shown is minimum, provide weld for full length of joint where longer plate is required.

BRACE CONNECTION 4
NO SCALE

BRACE CONNECTIONS



SCHEDULE

DETAIL	GUSSET PLATE THICKNESS	WELD A5	L5	WELD A6	L6
A	3/4"	5/16"	20"	3/16"	12"

NOTE:
1. Weld length shown is minimum, provide weld for full length of joint where longer plate is required.

BRACE CONNECTION 5
NO SCALE

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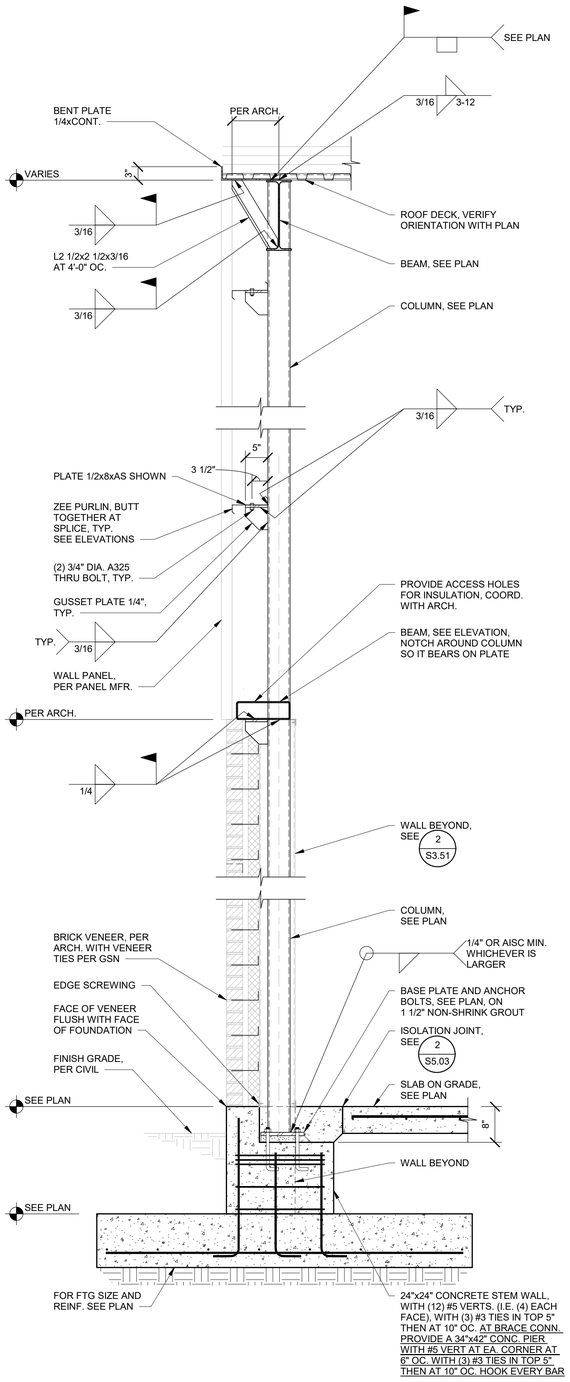
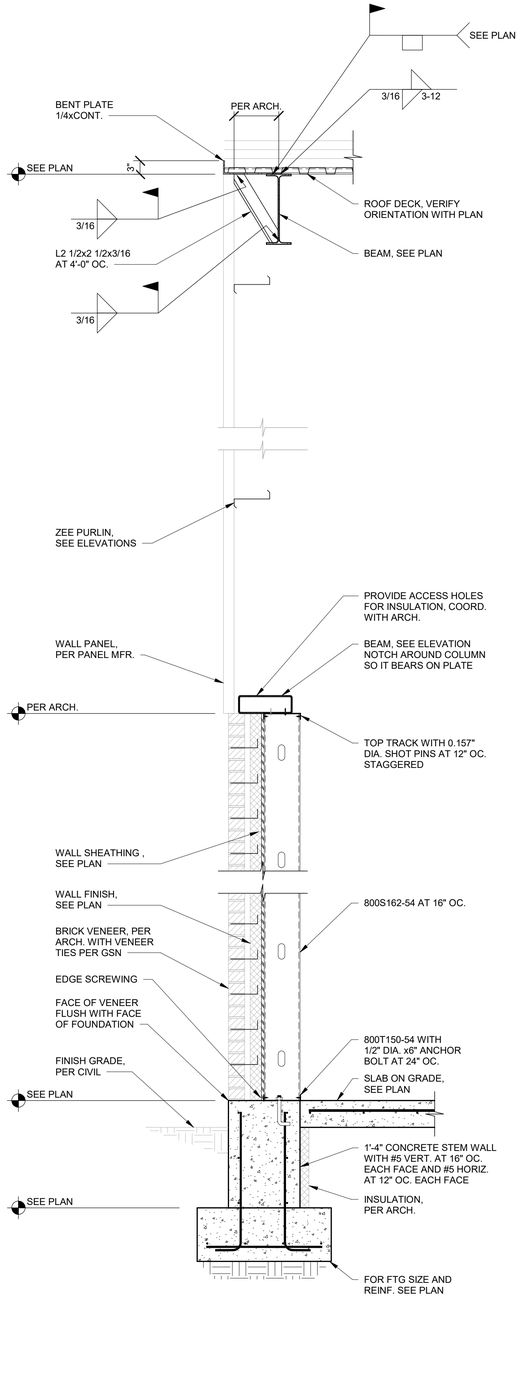
BRACE FRAME DETAILS



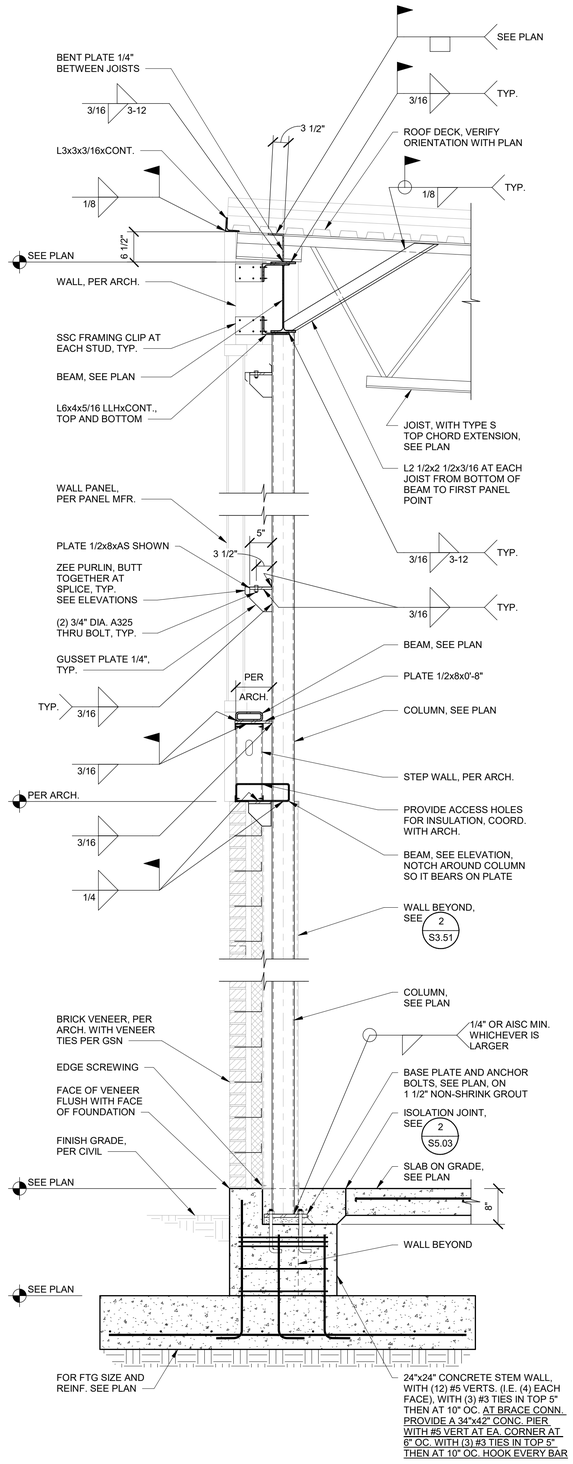
WALL SECTION 1

3/4" = 1'-0"



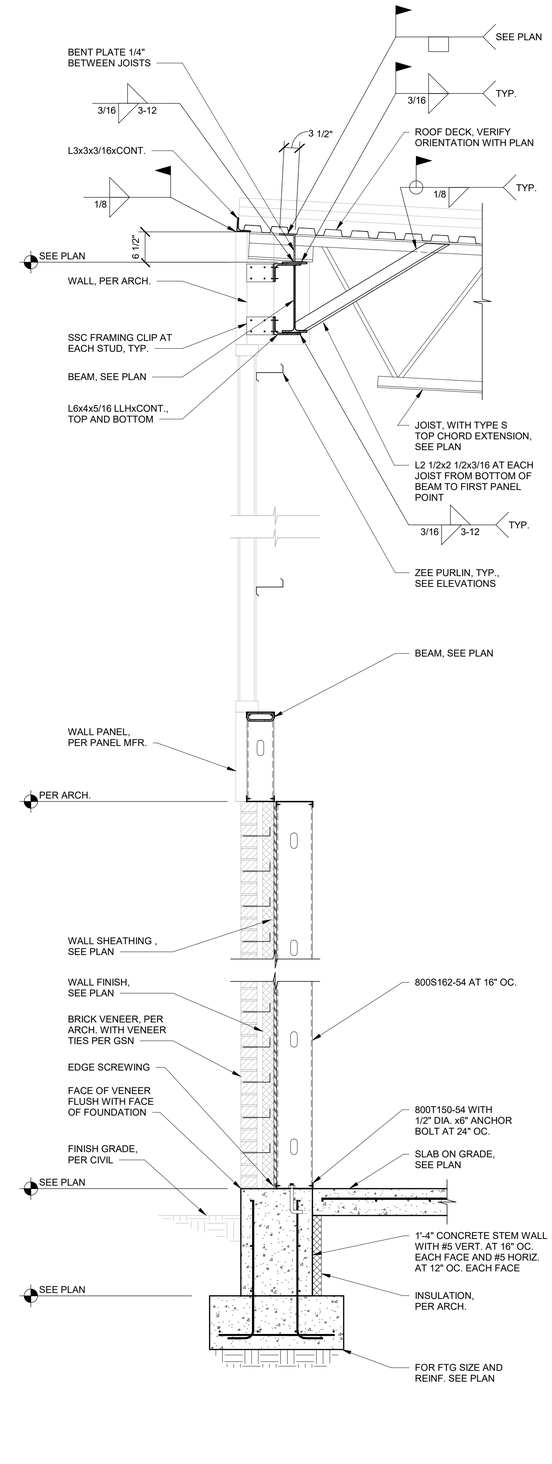
WALL SECTION 2

3/4" = 1'-0"



WALL SECTION 3

3/4" = 1'-0"



WALL SECTION 4

3/4" = 1'-0"

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S3.51
WALL SECTIONS

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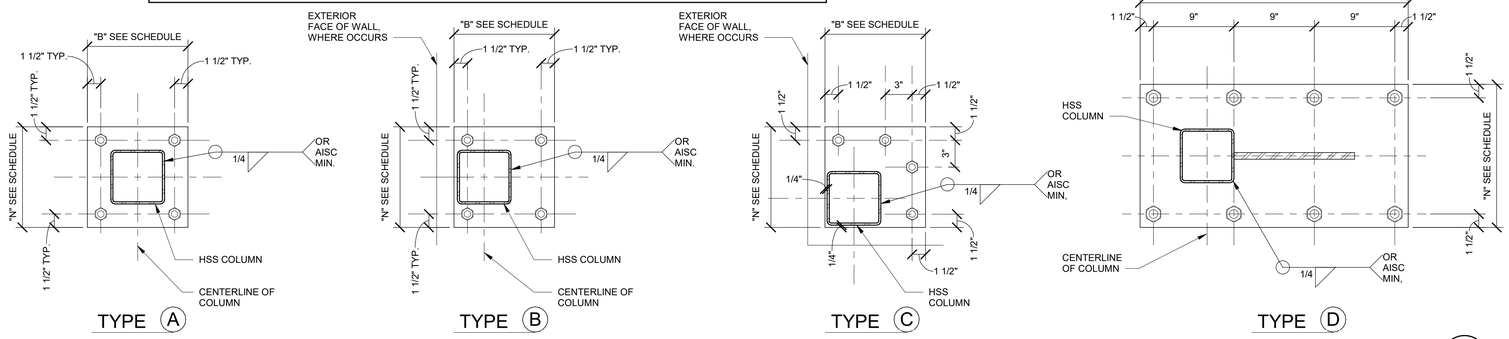
BASE PLATE SCHEDULE

BPL#	THICKNESS	DIM 'B'	DIM 'N'	ANCHOR BOLT	TYPE	REMARKS
1	3/4"	12"	12"	(4) 3/4" DIA. x 8" EMBED.	A	-
2	3/4"	12"	12"	(4) 3/4" DIA. x 8" EMBED.	B	-
3	3/4"	12"	12"	(4) 3/4" DIA. x 8" EMBED.	C	-
4	1 1/2"	30"	16"	(8) 1" DIA. x 12" EMBED.	D	-

NOTES:
1. For grout thickness see schedule on 2 / S4.01 .
2. Anchor bolt detail, see 4 / S4.01 typ. For bolt grade, see steel notes on sheet S0.03.
3. For anchor bolt hole size, see steel notes on S0.03. For anchor bolt sizes with plate washers, see 3 / S4.01 .



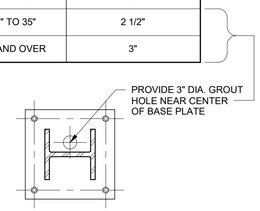
BASE PLATE DETAIL

NO SCALE

1

NON-SHRINK GROUT SCHEDULE

BASE PLATE MINIMUM WIDTH	MINIMUM NON-SHRINK GROUT THICKNESS *
UP TO 16"	1 1/2"
17" TO 23"	2"
24" TO 35"	2 1/2"
36" AND OVER	3"



NOTES:
1. Minimum grout thickness shall be 2 times the anchor bolts diameter.
2. Minimum grout strength shall be f'c= 7,000 psi.

TYPICAL NON-SHRINK GROUT AT BASE PLATE

NO SCALE

2

ANCHOR ROD HOLE DIAMETER WITH PLATE WASHER

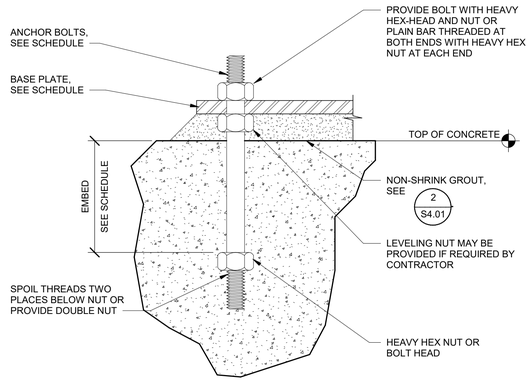
ANCHOR ROD DIAMETER, IN.	HOLE DIAMETER, IN.	PLATE WASHER DIAMETER, IN.	MIN. PLATE WASHER THICKNESS, IN.
3/4	1 5/16	2	1/4
7/8	1 9/16	2 1/2	5/16
1	1 13/16	3	3/8
1 1/4	2 1/16	3	1/2
1 1/2	2 5/16	3 1/2	1/2
1 3/4	2 3/4	4	5/8
2	3 1/4	5	3/4
2 1/2	3 1/4	5 1/2	7/8

NOTES:
1. Plate washers are required at contractor's option. For hole diameter with standard washers, see the steel notes on S0.03.
2. Verify adequate clearance for the required plate washer.
3. Circular or square washers meeting the size shown are acceptable.

ANCHOR ROD HOLE DIAMETER WITH PLATE WASHER

NO SCALE

3



TYPICAL HEADED ANCHOR BOLT

NO SCALE

4

FOOTING SCHEDULE

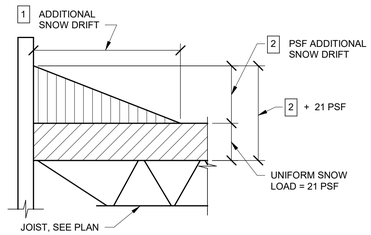
MARK	SIZE WIDTH	SIZE LENGTH	SIZE THICKNESS	REINFORCING TOP	REINFORCING BOTTOM	REMARKS
CF2.5	2' - 6"	CONT.	1' - 0"	-	(4) #5 CONT.	
CF4	4' - 0"	CONT.	1' - 0"	-	(4) #5 CONT.	
F4	4' - 0"	4' - 0"	1' - 6"	-	(5) #5 EACH WAY	
F7	7' - 0"	7' - 0"	2' - 0"	-	(8) #5 EACH WAY	

NOTES:
1. All rebar to be evenly distributed in footing with minimum required clearances from edges.
2. Footing intersections and corners, see 3 / S4.01 .

FOOTING SCHEDULE

NO SCALE

5



SNOW DRIFT SCHEDULE

MARK	1 LENGTH	2 DRIFT
A	3'-0"	15 psf

SNOW DRIFT SCHEDULE

NO SCALE

6

STEEL DECK SCHEDULE

TYPE	DESCRIPTION	mil	SIDE LAP CONNECTION	CONNECTION TO SUPPORTING MEMBERS PERP. TO FLUTES	CONNECTION TO SUPPORTING MEMBERS PARALLEL TO FLUTES	CONCRETE THICKNESS OVER FLUTES	TOTAL SLAB THICKNESS	REINFORCING, UNO.	SHORING REQUIRED WHERE SINGLE SPANS EXCEED	COMMENTS SEE NOTE 5
DK1	1 1/2" TYPE HSB36 VERCO	43	BUTTON PUNCH AT 12" OC.	(7) 1/2" DIA. PUDDLE WELDS PER SHEET	1/2" DIA. PUDDLE WELDS AT 12" OC.	-	-	-	-	TYP. ROOF
DK2	1 1/2" TYPE HSB36 VERCO	54	BUTTON PUNCH AT 12" OC.	(7) 1/2" DIA. PUDDLE WELDS PER SHEET	1/2" DIA. PUDDLE WELDS AT 12" OC.	-	-	-	-	ROOF
DK3	3 1/2" DOVETAIL VERCO 3.5D	33	BUTTON PUNCH AT 12" OC.	(7) 1/2" DIA. PUDDLE WELDS PER SHEET	1/2" DIA. PUDDLE WELDS AT 12" OC.	-	-	-	-	ROOF

NOTES:
1. Reinforcing to be placed 1 1/2" clear from top of concrete uno.
2. Deck shall be continuous for (3) or more spans ((4) supports) where possible.
3. For support of steel deck at columns see 4 / S5.21.
4. See architectural drawings for flooring, roofing, insulation, etc.
5. Comments are provided for reference only, for actual deck type layout see plans and legend.

STEEL DECK SCHEDULE

NO SCALE

7

HEADER SCHEDULE

MAX. OPENING WIDTH	HEADER	JAMB
3'-6"	(2) 600S162-54 BUILT-UP	600S162-54
5'-0"	(2) 600S162-54 BUILT-UP	600S162-68
6'-6"	(2) 600S162-54 BUILT-UP	600S200-68
8'-6"	(2) 600S162-68 BUILT-UP	600S200-68
10'-0"	(2) 600S162-68 BUILT-UP	600S162-97

NOTES:
1. Typical sill framing shall be 9 / S5.31, uno.
2. For boxed header to jamb connection, see 7 / S5.31.
3. For window jamb base connection, see 9 / S5.32.
4. For door jamb base connection, see 11 / S5.32.
5. For head of jamb connection, see 12 / S5.32.

HEADER / BEAM SCHEDULE

NO SCALE

8

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SCHEDULES

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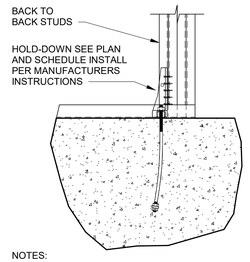
COLD-FORMED FRAMING SHEAR WALL SCHEDULE

MARK	SHEATHING MATERIAL	EDGE SCREWING	FIELD SCREWING	STUD THICKNESS	BOTTOM TRACK ATTACHMENT TO CONCRETE OR STEEL
SW1	0.027" STEEL SHEET ONE SIDE OF WALL	#8 SCREWS AT 6" OC.	#8 SCREWS AT 12" OC.	54 mil	0.157" DIA. HILTI X-U LOW VELOCITY FASTENER AT 8" OC. WITH 1 1/2" MIN EMBED INTO CONCRETE AND 3/16" INTO STEEL

NOTES:
1. Studs to be spaced at 16" oc., max.
2. Provide full height double studs at ends of shear wall detail hold-downs as specified on plans shall be attached to double stud per details and Mfr. recommendations. Provide hold-downs at each end of every shear wall uno.
3. Install panels either horizontal or vertical.
4. Where noted on plan, shear walls shall extend between openings or corner of wall unless length is noted. Sheathing shall not be interrupted by intersecting walls.
5. 3/8" minimum screw spacing from panel, stud or block edge.
6. When sheathing is applied on each face of wall, stagger plywood joints.
7. Unless otherwise noted, all sheathing edges shall be attached to framing members or blocking. Where used as blocking, flat strapping shall be a minimum thickness of 33 mil with a minimum width of 1 1/2 inches (38.1mm) and shall be either installed on top of or below sheathing to the blocking.
8. When installing X-U fasteners into steel, provide 1" min. spacing and 1/2" min. edge distance. When installing X-U fasteners into concrete provide 4" min. spacing and 3" min. edge distance.
9. Studs shall be C-shape members with a minimum thickness of 33 mil, minimum flange width of 1 5/8" (41.3 mm) minimum web depth of 3 1/2" (89mm) and a minimum edge stiffener of 3/8" (9.5 mm) unless noted otherwise.
10. Track shall be a minimum thickness of 33 mil, with a minimum flange width of 1 1/4" (31.8 mm) and a minimum web depth 3 1/2" (89 mm) unless noted otherwise.
11. Framing screws shall be a minimum No. 8 in accordance with ASTM C1513.
12. Where wall studs are 68 mil or thicker use #10 screws.

SHEAR WALL SCHEDULE 1
NO SCALE



NOTES:
1. Enlarge footing to provide 3" clear at bolt as required.
2. Embed length is below curb or slab step where occurs.

HOLD-DOWN SCHEDULE

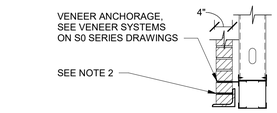
HOLD-DOWN	EMBED. AT FOUNDATION AND/OR ANCHOR BOLT	CONNECTION TO KING STUD	MIN. KING STUD WIDTH
S/HDU6	SIMPSON JB 5/8x24" ANCHOR BOLT	(12) #14 SCREWS	(2) 600S162-54

NOTES:
1. Hold-down shall be Simpson or equal with ICC approval. All substitutes shall be reviewed by the engineer of record before installation.
2. Fixed-length straps shall be installed with an equal number of fasteners in each member.

TYPICAL LIGHT GAUGE HOLD-DOWN DETAILS 2
NO SCALE

BRICK VENEER LINTEL SCHEDULE

CLEAR OPENING	SIZE OF ANGLE
UP TO 7 '- 0"	4x3 1/2x5/16 LLV SEE NOTE 2
7' - 1" TO 9' - 0"	6x3 1/2x5/16 LLV SEE NOTE 2
9' - 1" TO 10' - 0"	6x3 1/2x3/8 LLV SEE NOTE 2
10' - 1" TO 11' - 0"	6x4x3/8 LLV SEE NOTE 2
11' - 1" TO 12' - 0"	7x4x3/8 LLV SEE NOTE 2



NOTES:
1. Lintels carry brick or stone only. Where floors, roofs or concentrated loads occur, further analysis is necessary. Provide 1" of bearing each end for each foot of span. Minimum bearing of 6" each side of opening. Use this schedule unless noted otherwise.
2. Provide veneer anchorage to lintel angle where indicated. Match typical veneer anchorage spacing.

BRICK VENEER LINTEL SCHEDULE 3
NO SCALE

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Revisions
Description | Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

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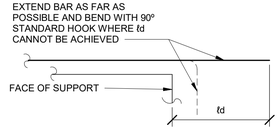
DRAWING NO.:
S4.02
SCHEDULES

BAR SIZE	f'c = 3000 psi				f'c = 4000 psi				f'c = 4500 psi			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	22	33	17	25	19	28	15	22	18	27	14	21
#4	29	43	22	33	25	37	19	29	24	35	18	27
#5	36	54	28	41	31	47	24	36	30	44	22	34

NOTES:
1. Table for use with normal weight hardrock concrete and grade 60 uncoated reinforcing bars. For lightweight aggregate use 1.3*ℓ*.
2. Top bars are horizontal bars with 12" or more of concrete cast in the member below the bar.
3. For bars enclosed in standard column spirals, use 0.75 ℓ or 12" min.
4. Development length of individual bars within a bundle shall be 1.2 ℓd for that bar in a (3) bar bundle and 1.33 ℓd for a (4) bar bundle.
5. Compression development length (only where indicated on drawings) For grade 60 bars use 22 bar diameters.
6. Case Selection
   - A. -For foundation reinforcement use Case 1 uno.
   - B. For foundation that have two layers of reinforcement in one direction top or bottom use Type 2.
   - C. -For column reinforcement and dowels use Case 1 uno.
   - D. -For beam reinforcement use Case 1 uno.
   - E. -For structural slab reinforcement use Case 2 uno.
   - F. -For slab on grade reinforcement use Case 1 uno.
   - G. -For wall reinforcement and dowels use Case 2 (Except as noted below) uno.
   - H. -For walls with a single mat of steel centered in the wall, use Case 1 for wall reinforcement and dowels uno.
   - I. -For chord steel reinforcement use Case 2 uno.



TENSION DEVELOPMENT LENGTH (CONCRETE ONLY) 1

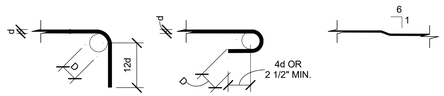
3/4" = 1'-0"

BAR SIZE	LAP CLASS	f'c = 3000 psi				f'c = 4500 psi				f'c = 5000 psi			
		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	A	22	32	17	25	18	27	14	21	17	25	13	19
	B	28	42	22	32	23	35	18	27	22	33	17	25
#4	A	29	43	22	33	24	35	18	27	22	33	17	26
	B	37	56	29	43	31	46	23	35	29	43	22	33
#5	A	36	54	28	41	30	44	22	34	28	42	22	32
	B	47	70	36	54	39	57	29	44	36	54	28	42

NOTES:
1. Table for use with normal weight hardrock concrete and grade 60 uncoated reinforcing bars. For lightweight aggregate use 1.3*ℓ*.
2. Class A - Half or less of the bars are spliced within a required lap length. Class B - More than half of the bars are spliced within a required lap length.
3. Top bars are horizontal bars with 12" or more of concrete cast in the member below the bar.
4. For bars enclosed in standard column spirals, use 0.75*ℓ* or 12" min.
5. Lap splices of individual bars with a bundle shall be 1.2*ℓ* for that bar in a (3) bar bundle and 1.33*ℓ* for a (4) bar bundle. Entire bundles shall not be staggered such that they do not overlap.
6. *ℓ* - Basic lap length, shown at left.
7. Case Selection
   - A. -For foundation reinforcement use Case 1 uno.
   - B. -For column reinforcement and dowels use Case 1 uno.
   - C. -For beam reinforcement use Case 1 uno.
   - D. -For structural slab reinforcement use Case 2 uno.
   - E. -For slab on grade reinforcement use Case 1 uno.
   - F. -For wall reinforcement and dowels use Case 1 (Except as noted below) uno.
   - G. -For walls with a single mat of steel centered in the wall, use Case 1 for wall reinforcement and dowels uno.
   - H. -For chord steel reinforcement use Case 2 uno.
8. Different size bars are to be lapped by the larger bar.
9. Different diameter bars are to be lapped per the larger bar.

TENSION LAP SPLICE (CONCRETE ONLY) TENSION LAP SPLICE LENGTHS, (IN INCHES) FOR GRADE 60 UNCOATED BARS 2

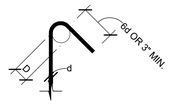
3/4" = 1'-0"



D=6d FOR #3 TO #8
D=8d FOR #9 TO #11
D=10d FOR #14 TO #18

PRINCIPAL REINFORCING

MIN. D=1 1/2" FOR #3
MIN. D=2" FOR #4
MIN. D=2 1/2" FOR #5

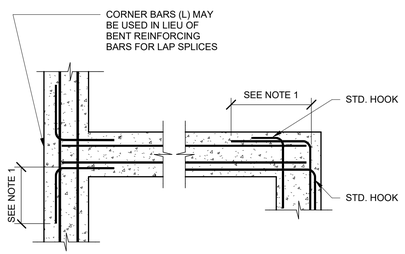


STIRRUPS AND TIES

NOTES:
1. All bends shall be made cold.
2. #14 and #18 bars shall be bend tested and lab approved prior to bending.

BAR BENDS 4

NO SCALE



INTERSECTION CORNER

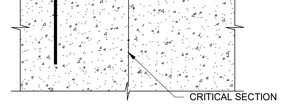
NOTE:
1. Use tension lap splices, see 2 / S5.01.

REINFORCING AT FOOTING INTERSECTIONS 5

NO SCALE

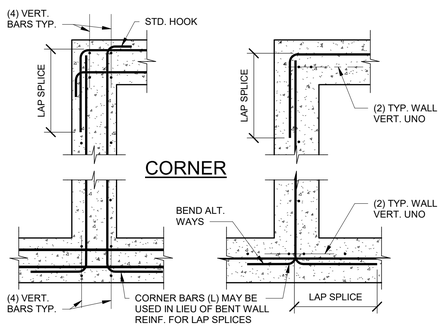
BAR SIZE	GRADE	l_{dh} (in)			
		F'c = 3000	F'c = 4000	F'c = 4500	F'c = 5000
#3	60	8	7	6 1/2	6 1/2
#4	60	11	9 1/2	9	8 1/2
#5	60	13 1/2	12	11	10 1/2

NOTES:
1. Table for use with normal weight hardrock concrete. For lightweight aggregate use 1.3ℓdh.
2. Table for use with uncoated reinforcement. For coated reinforcement, use 1.5ℓdh.
3. Effects of light weight aggregate and epoxy coating are cumulative.
4. For typical bar bends, see 4 / S5.01 .



HOOKED BAR SCHEDULE 3

3/4" = 1'-0"



INTERSECTION
DOUBLE MAT SINGLE MAT

NOTE:
1. Use tension lap splices, see 2 / S5.01.

REINFORCING AT WALL INTERSECTIONS 6

NO SCALE

GENERAL DETAIL NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. For all top of footing, top of slab, and slab on grade construction, see foundation plan.
5. Columns and base plates are called out on plans and coordinated in the schedule shown on 1 / S4.01.
6. Sub-grade material below slabs and footings shall be constructed as indicated by geo-tech report.
7. For structural framing sizes, bottom of deck and top of steel elevations, see plans.
8. For floor deck size, attachment, span direction,and finish floor elevations, see plans.
9. For typical bearing wall construction, see plans. Coordinate location with plans and architectural.
10. For interior and exterior wall finishes, see architectural.
11. For all typical construction details not shown on this sheet, see all "S5" series drawings.

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Description
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CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

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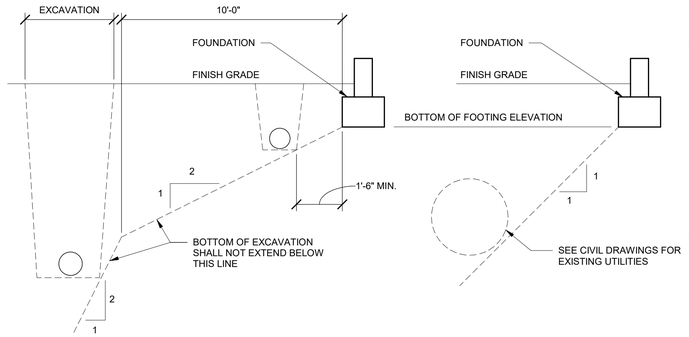
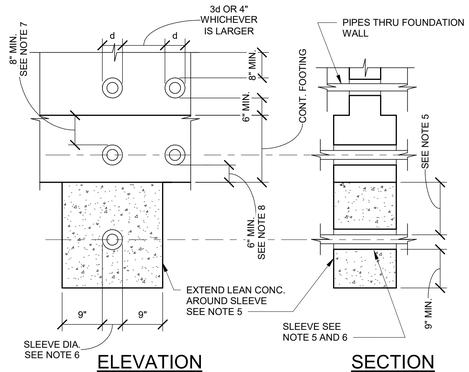
GENERAL CONCRETE DETAILS



FOUNDATION PARALLEL TO EXCAVATION

EXISTING UTILITY PARALLEL TO FOUNDATION

NOTES:
1. Contractor shall locate bottom of excavation to avoid surcharge on utilities and other foundations.
2. Contractor shall coordinate all excavations with foundation with foundation requirements.
3. Step foundation as required see 2 / S5.02.
4. Contractor shall adhere to the recommendations in the Geotechnical Notes, for all excavations, backfill requirements etc.
5. Pipes that are less than 4'-0" below foundation, provide sleeve and encase in lean concrete. For pipes more than 4'-0" below foundation, compact soil in pipe trench per soils report.
6. Sleeves shall be minimum 1" clear all around pipes, conduit etc.
7. For pipes within the footing thickness and are less than 8" from top of footing, step footing as required to pass pipes through stem wall.
8. For pipes passing through footing and are less than 6" clear from bottom of footing see 3 / S5.02.



ELEVATION SECTION

UTILITY (PIPES) THROUGH FOUNDATIONS

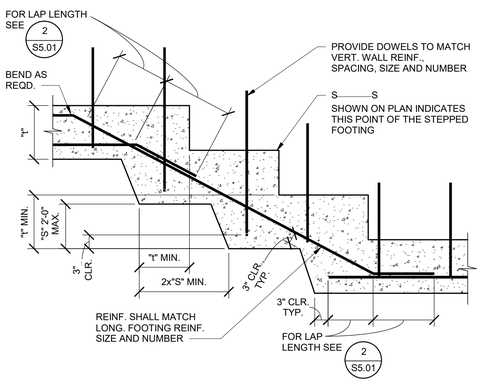
GENERAL DETAIL NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. For all top of footing, top of slab, and slab on grade construction, see foundation plan.
5. Columns and base plates are called out on plans and coordinated in the schedule shown on 1 / S4.01.
6. Sub-grade material below slabs and footings shall be constructed as indicated by geo-tech report.
7. For structural framing sizes, bottom of deck and top of steel elevations, see plans.
8. For floor deck size, attachment, span direction,and finish floor elevations, see plans.
9. For typical bearing wall construction, see plans. Coordinate location with plans and architectural.
10. For interior and exterior wall finishes, see architectural.
11. For all typical construction details not shown on this sheet, see all "S5" series drawings.

FOUNDATION AT OR ADJACENT TO EXCAVATIONS AND UTILITIES

1

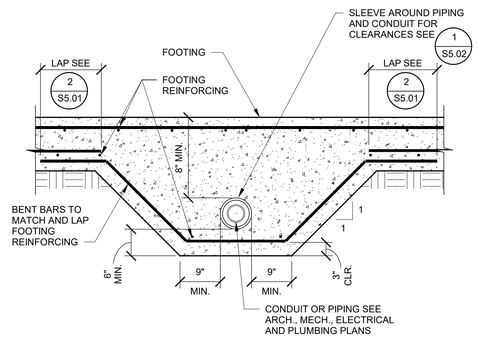
3/4" = 1'-0"



STEPPED FOOTING

2

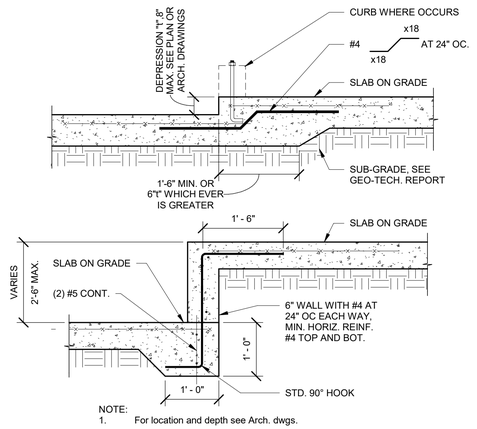
NO SCALE



THICKENED FOOTING AT CONDUIT AND PIPING

3

NO SCALE

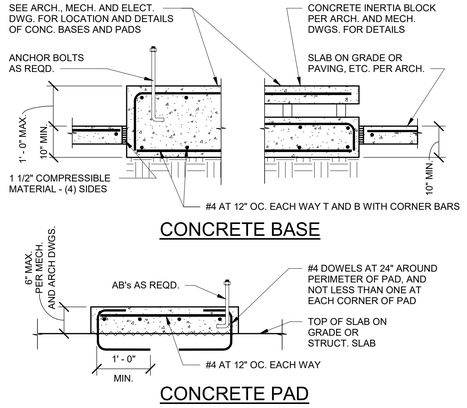


NOTE:
1. For location and depth see Arch. dwgs.

STEP IN SLAB ON GRADE

4

NO SCALE



CONCRETE BASE

CONCRETE PAD

EQUIPMENT BASE AND PAD

5

NO SCALE

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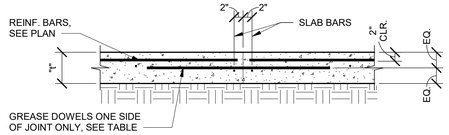
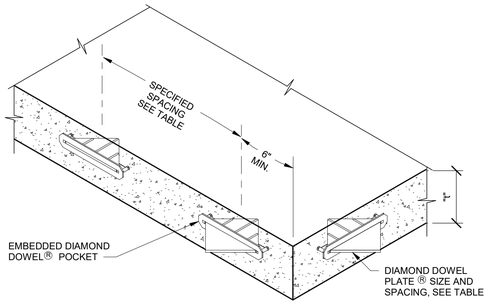
GENERAL CONCRETE DETAILS

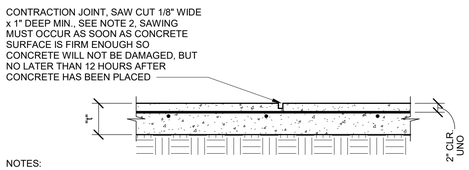


NOTE:
1. Contractors shall obtain architect's approval for all joint locations.

CONSTRUCTION JOINT (A)



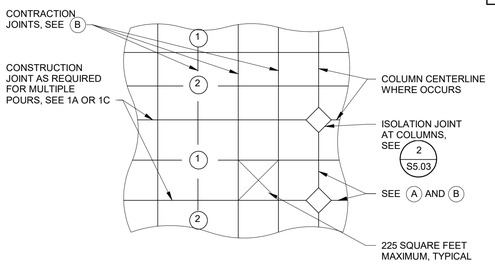
ALT. CONSTRUCTION JOINT REINF. (C)



NOTES:
1. Contraction joint spacing to be max. 12'-0" for 4" slabs, 14'-0" for 6" slabs, or as directed per ACI 360.
2. Contraction joint to be 0'-1" for 4" slabs, 0'-1 1/4" for 5" slabs, and 0'-1 1/2" for 6" and thicker slabs.

CONTRACTION JOINT (B)

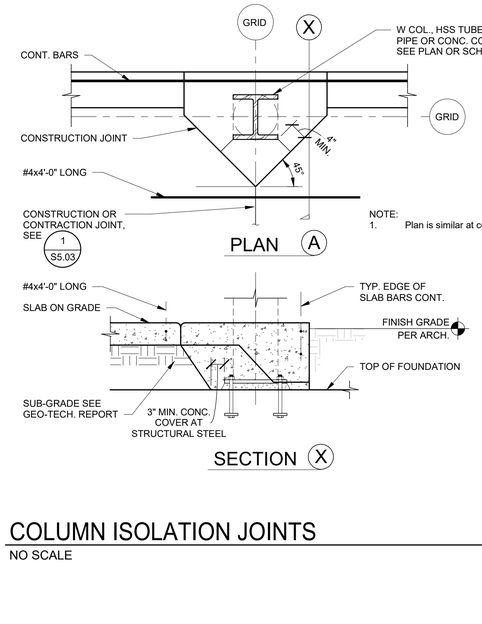
CONSTRUCTION JOINT - DOWELS OR DIAMOND PLATES SIZE AND SPACING				
	OPTION A - DOWELS		OPTION C - DIAMOND LOAD PLATE	
SLAB DEPTH "t" INCHES	DOWEL DIMENSIONS	DOWEL SPACING CENTER TO CENTER	DIAMOND LOAD PLATE DIMENSIONS	DIAMOND LOAD PLATE SPACING CENTER TO CENTER
4"	3/4" x 1'-4"	24"	1/4" x 4 1/2" x 4 1/2"	18"
5" - 6"	3/4" x 1'-4"	12"	1/4" x 4 1/2" x 4 1/2"	18"



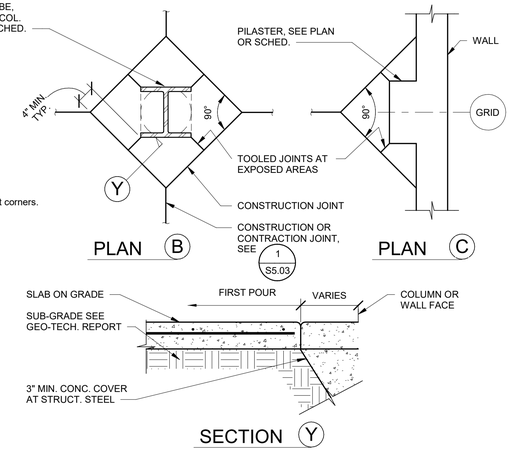
NOTES:
1. Slab shall be placed in strip pattern.
   (1) = First (2) = Second
2. Strips to be divided by construction joints at the centerline of columns where they occur and subdivided as required into areas not exceeding 225 sqft. by construction joints.
3. In areas where columns do not occur provide construction and contraction joints as above.
4. Contractors shall obtain architect's approval for all joint locations.
5. Diamond Dowel System® is manufactured by PNA Construction Technologies, Inc. or Engineered approved equivalent.
6. Comply with ACI302.1R04, ACI360R-06 and ACI detailing material (SP66).
7. Use internal vibration to consolidate concrete around diamond shear plate, per industry guidelines.

SLAB JOINT INFORMATION (1)

NO SCALE

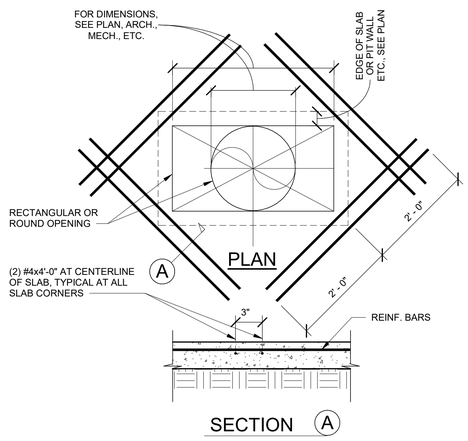


NOTE:
1. Plan is similar at corners.



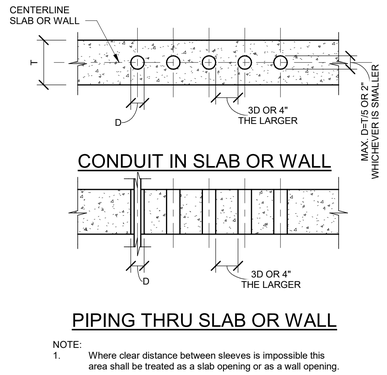
COLUMN ISOLATION JOINTS (2)

NO SCALE



OPENING IN SLAB ON GRADE (3)

NO SCALE



NOTE:
1. Where clear distance between sleeves is impossible this area shall be treated as a slab opening or as a wall opening.

PIPING CONDUIT IN OR THRU SLAB OR WALL (4)

NO SCALE

GENERAL DETAIL NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. For all top of footing, top of slab, and slab on grade construction, see foundation plan.
5. Columns and base plates are called out on plans and coordinated in the schedule shown on 1 / S4.01.
6. Sub-grade material below slabs and footings shall be constructed as indicated by geo-tech report.
7. For structural framing sizes, bottom of deck and top of steel elevations, see plans.
8. For floor deck size, attachment, span direction,and finish floor elevations, see plans.
9. For typical bearing wall construction, see plans. Coordinate location with plans and architectural.
10. For interior and exterior wall finishes, see architectural.
11. For all typical construction details not shown on this sheet, see all "S5" series drawings.

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BID SET

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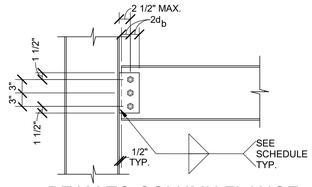
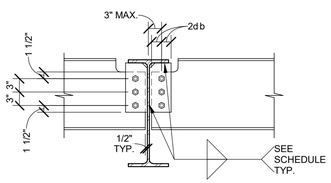
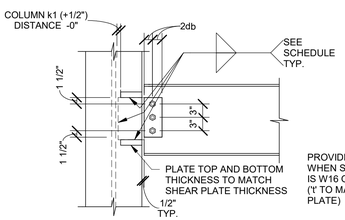
S5.03
GENERAL SLAB DETAILS



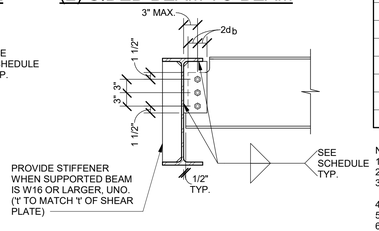
BEAM TO COLUMN FLANGE



(2) SIDED BEAM TO BEAM



BEAM TO COLUMN WEB



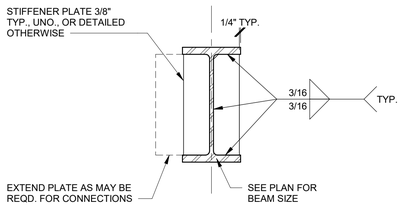
(1) SIDED BEAM TO BEAM

BEAM CONNECTION SCHEDULE			
NOMINAL MEMBER DEPTH "D"	BOLT NO. AND SIZE	SHEAR PLATE THICKNESS	SIZE OF FILLET WELD
8" - 10"	(2) 3/4" DIA.	5/16	1/4
12" - 14"	(3) 3/4" DIA.	5/16	1/4
16"	(4) 3/4" DIA.	3/8	1/4
18"	(5) 3/4" DIA.	3/8	1/4
21"	(6) 1" DIA.	1/2	5/16
24" - 27"	(7) 1" DIA.	1/2	5/16
30"	(8) 1" DIA.	1/2	5/16
33"	(9) 1" DIA.	1/2	5/16
36"	(10) 1" DIA.	1/2	5/16
40"	(11) 1" DIA.	1/2	5/16

NOTES:
1. All 3/4" dia. bolts shall be A325-N. All 1" dia. bolts shall be A490-N.
2. Provide larger welds where may be required by AISC.
3. Use larger plates and welds where required by brace frame connections or other specific details.
4. d_b = bolt diameter.
5. Use short slotted holes in one end of beam for field tolerances.
6. "D" = Nominal member depth.
7. Provide horizontal short slotted holes where beam web thickness "t" exceeds d/2-1/16" and number of bolts "n" exceeds 5 per AISC table 10-9.

TYPICAL BEAM CONNECTION SCHEDULE AND DETAILS (1)

NO SCALE



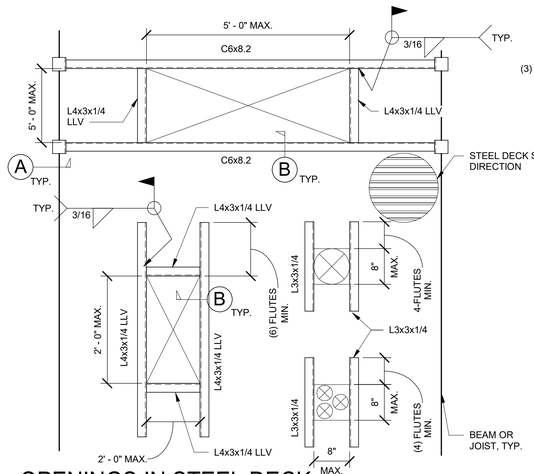
NOTE:
1. Use larger plates and welds as may be reqd. by beam connection schedule.

STIFFENER PLATES (2)

NO SCALE

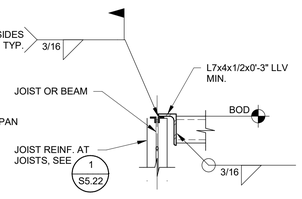
GENERAL DETAIL NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. For all top of footing, top of slab, and slab on grade construction, see foundation plan.
5. Columns and base plates are called out on plans and coordinated in the schedule shown on 1 / S4.01.
6. Sub-grade material below slabs and footings shall be constructed as indicated by geo-tech report.
7. For structural framing sizes, bottom of deck and top of steel elevations, see plans.
8. For floor deck size, attachment, span direction,and finish floor elevations, see plans.
9. For typical bearing wall construction, see plans. Coordinate location with plans and architectural.
10. For interior and exterior wall finishes, see architectural.
11. For all typical construction details not shown on this sheet, see all "S5" series drawings.



OPENINGS IN STEEL DECK (3)

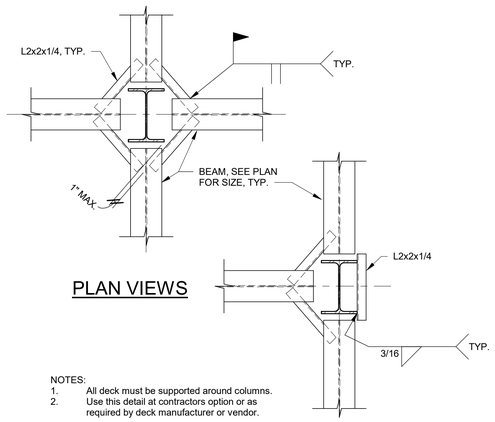
NO SCALE



CONN. TO JOIST OR BEAM (A)

SUPPORT AT OPENING (B)

NOTES:
1. Added framing is not reqd. for openings where long opening dim. is less than 6".
2. For structure required to support mechanical unit weight use C6x8.2 under entire perimeter of curb, uno on plan.
3. See mech. for equipment mounting, attachment openings, etc.
4. Composite slab or roofing see plans and arch. drawings. Where hard rock conc. occurs provide 3/4" Dia. x 8" Nelson Headed Studs at 24" oc.
5. Steel deck attachment to opening framing, see plans.

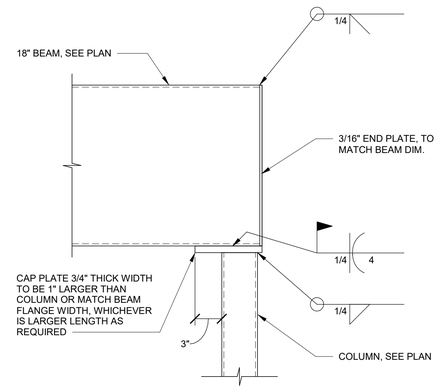


PLAN VIEWS

NOTES:
1. All deck must be supported around columns.
2. Use this detail at contractors option or as required by deck manufacturer or vendor.

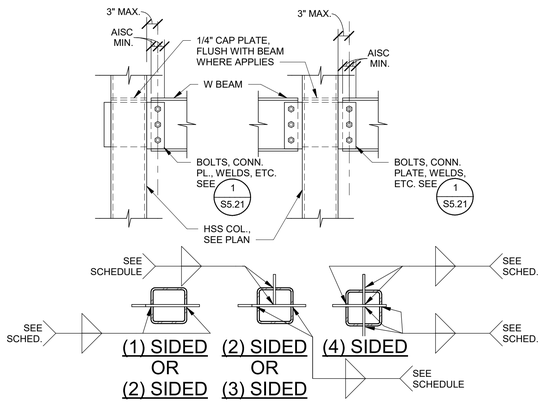
SUPPORT OF STEEL DECK AT COLUMNS (4)

NO SCALE



BEAM TO COLUMN (5)

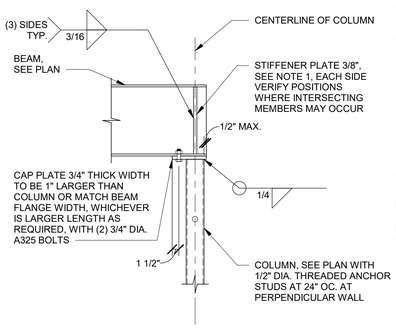
NO SCALE



NOTES:
1. Drill stress relieving hole prior to slotting tube, hole and slot shall be 1/8" larger than plate width.
2. At continuous column locations splice column at top of beam using flare-V groove weld all around with effective throat thickness 1/16" less than column wall thickness.

W BEAM TO HSS COLUMN (6)

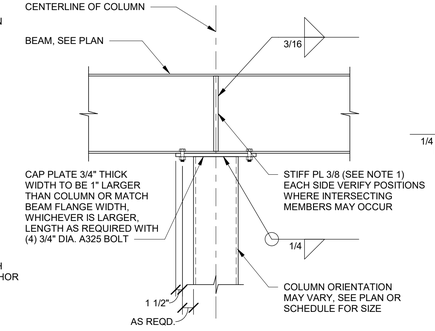
NO SCALE



NOTE:
1. See detail 1 / S5.21 for bolts, welding shear plate, etc.

BEAM TO COLUMN (7)

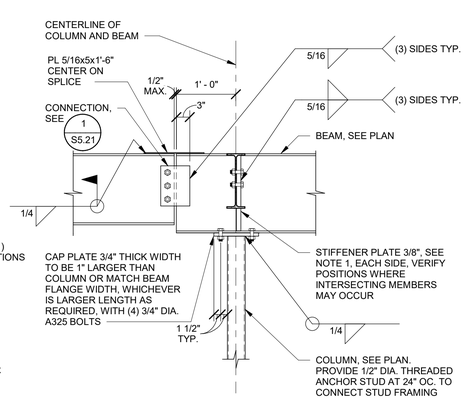
NO SCALE



NOTE:
1. See detail 1 / S5.21 for bolts, welding shear plate, etc.

BEAM TO COLUMN (8)

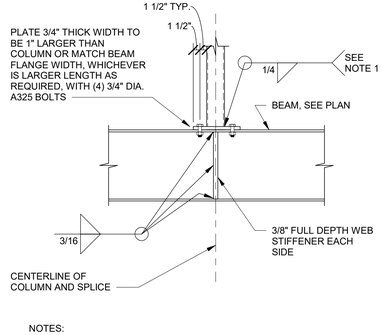
NO SCALE



NOTE:
1. See detail 1 / S5.21 for bolts, welding shear plate, etc.

BEAM TO BEAM AND COLUMN (9)

NO SCALE



NOTES:
1. Use larger plate and weld as required by beam connection schedule or by AISC specification section J2 welds.
2. See detail 1 / S5.21 for bolts, welding shear plate, etc.

BEAM TO COLUMN - CARRIED (10)

NO SCALE

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EXP. 05/31/2026

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LE JOB #24LOC4023

Revisions
Description
Date
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CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

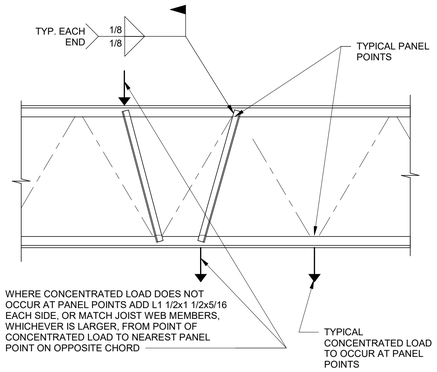
BID SET

DRAWING NO.:

S5.21
GENERAL STRUCTURAL STEEL DETAILS

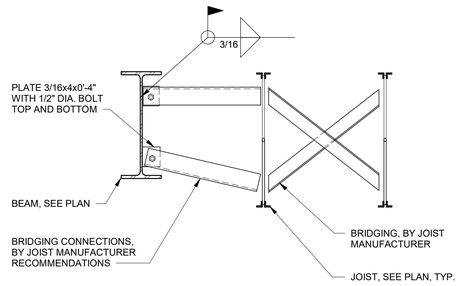
GENERAL DETAIL NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. For all top of footing, top of slab, and slab on grade construction, see foundation plan.
5. Columns and base plates are called out on plans and coordinated in the schedule shown on 1 / S4.01.
6. Sub-grade material below slabs and footings shall be constructed as indicated by geo-tech report.
7. For structural framing sizes, bottom of deck and top of steel elevations, see plans.
8. For floor deck size, attachment, span direction,and finish floor elevations, see plans.
9. For typical bearing wall construction, see plans. Coordinate location with plans and architectural.
10. For interior and exterior wall finishes, see architectural.
11. For all typical construction details not shown on this sheet, see all "S5" series drawings.



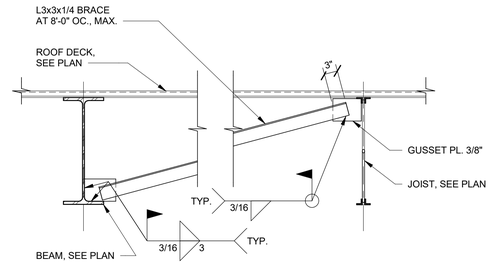
JOIST REINFORCEMENT DETAIL 1

NO SCALE



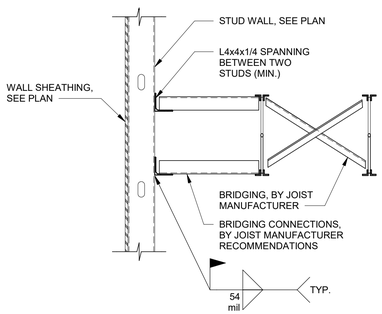
JOIST BRIDGING AT STEEL BEAM 2

NO SCALE



DIAGONAL BRACE CONNECTION AT JOIST 3

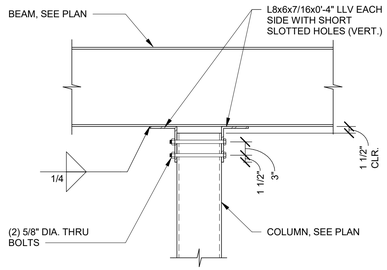
NO SCALE



NOTES:
1. See plan, joist notes and manufacturer for bridging notes.
2. Coordinate bridging location with mechanical equipment and ducts.

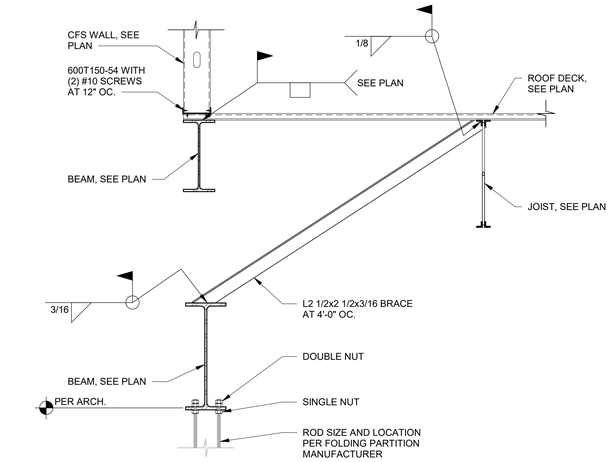
JOIST BRIDGING AT MASONRY WALL 4

NO SCALE



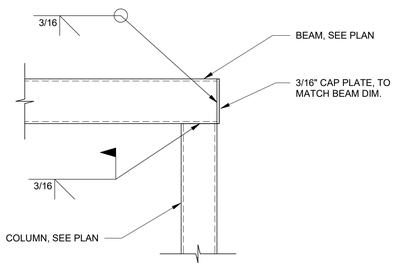
NON-LOAD BEARING COLUMN TO BEAM 5

NO SCALE



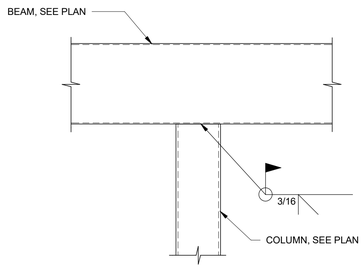
FOLDING PARTITION SECTION 6

NO SCALE



COLUMN TO BEAM 7

NO SCALE



COLUMN TO BEAM 8

NO SCALE

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Revisions
Description
Date
1

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

BID SET

DRAWING NO.:

S5.22
GENERAL STRUCTURAL STEEL DETAILS

S-SECTIONS

T-SECTIONS

SHAPE	DESIGNATION	FLANGE WIDTH
S-SECTIONS	S125	1.25"
	S137	1.375"
	S162	1.625"
	S200	2"
	S250	2.5"
T-SECTIONS	T125	1.25"
	T150	1.5"
	T200	2"
	T250	2.5"

EXAMPLE CALL OUT:

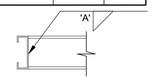
600S162-54

600: SIZE = 6"
S: SECTION DESIGNATION (STYLE) = S STUD
162: 1.625" FLANGE WIDTH
54: .054 THICKNESS

STEEL STUD/JOIST SECTION IDENTIFICATION 1

NO SCALE

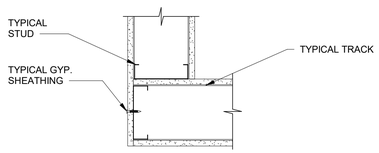
SECTION THICKNESS (mil)	(in.)	(ga.)	'A' WELD SIZE(in.)	Fy (ksi)	Fu (ksi)
33	0.0321	20	N/A	33	45
43	0.0451	18	0.0451	33	45
54	0.0566	16	0.0566	33	45
68	0.0713	14	0.0713	33	45
97	0.1017	12	0.1017	33	45
43	0.0451	18	0.0451	50	65
54	0.0566	16	0.0566	50	65
68	0.0713	14	0.0713	50	65
97	0.1017	12	0.1017	50	65



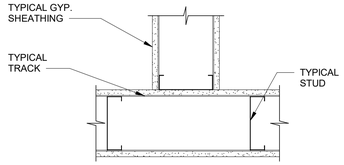
NOTES:
1. Fy = The minimum yield strength of the connected parts. Fu = The minimum tensile strength of the connected parts.
2. When connecting materials of different thickness or tensile strengths, use the weld size for the lighter mil section.
3. Weld procedures are based on Section E2 of the AISI Code and AWS D1.3.
4. Steel stud sections must be at least 43 mil minimum for welding.

STEEL STUD/JOIST WELDING 2

NO SCALE



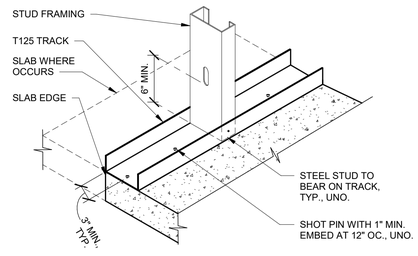
TYPICAL CORNER



INTERSECTION

PLAN DETAILS AT WALL INTERSECTIONS 3

NO SCALE



NOTES:
1. For track splice, see 5 / S5.31.
2. For track to concrete curb, see 10 / S5.32 .

TRACK TO STRUCTURE 4

NO SCALE

GENERAL DETAIL NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. For all top of footing, top of slab, and slab on grade construction, see foundation plan.
5. Columns and base plates are called out on plans and coordinated in the schedule shown on 1 / S4.01.
6. Sub-grade material below slabs and footings shall be constructed as indicated by geo-tech report.
7. For structural framing sizes, bottom of deck and top of steel elevations, see plans.
8. For floor deck size, attachment, span direction,and finish floor elevations, see plans.
9. For typical bearing wall construction, see plans. Coordinate location with plans and architectural.
10. For interior and exterior wall finishes, see architectural.
11. For all typical construction details not shown on this sheet, see all "S5" series drawings.

TRACK SPLICE AT TRACK TO STRUCTURE 5

NO SCALE

NOTE:
1. For alternate, see 7 / S5.31.

BOXED MEMBER TO JAMB CONNECTION ALTERNATE 6

NO SCALE

CONNECTION SCHEDULE

DEPTH OF TRACK OR STUDS	(A) SCREWS TO HEADER	(B) SCREWS TO JAMB
12 INCHES	(6) EACH SIDE, (12) TOTAL	(2) ROWS OF (5) SCREWS, (10) TOTAL
10 INCHES	(5) EACH SIDE, (10) TOTAL	(2) ROWS OF (5) SCREWS, (10) TOTAL
8 INCHES	(5) EACH SIDE, (10) TOTAL	(2) ROWS OF (4) SCREWS, (8) TOTAL
6 INCHES	(4) EACH SIDE, (8) TOTAL	(2) ROWS OF (4) SCREWS, (8) TOTAL
3 5/8 INCHES	(3) EACH SIDE, (6) TOTAL	(2) ROWS OF (3) SCREWS, (6) TOTAL

NOTE:
1. All exterior connections are to be made with #10 screws, uno.

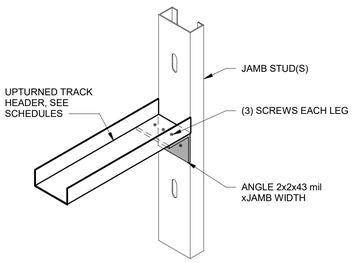
CONNECTION SCHEDULE

DEPTH OF TRACK OR STUDS	(A) SCREWS TO JAMB	(B) SCREWS AT ANGLE
12 INCHES	(2) ROWS OF (5) EACH SIDE, (20) TOTAL	(6) SCREWS EACH LEG
10 INCHES	(2) ROWS OF (4) EACH SIDE, (16) TOTAL	(5) SCREWS EACH LEG
8 INCHES	(2) ROWS OF (3) EACH SIDE, (12) TOTAL	(4) SCREWS EACH LEG
6 INCHES	(2) ROWS OF (3) EACH SIDE, (12) TOTAL	(4) SCREWS EACH LEG
3 5/8 INCHES	(2) ROWS OF (2) EACH SIDE, (8) TOTAL	(3) SCREWS EACH LEG

NOTE:
1. All exterior connections are to be made with #10 screws, uno.

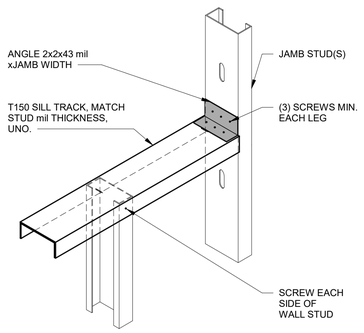
BOXED MEMBER TO JAMB CONNECTION 7

NO SCALE



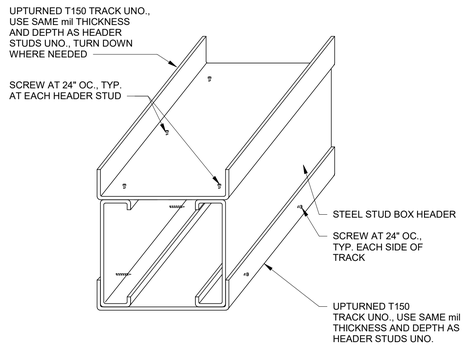
TRACK HEADER AT JAMB 8

NO SCALE



SILL CONNECTION 9

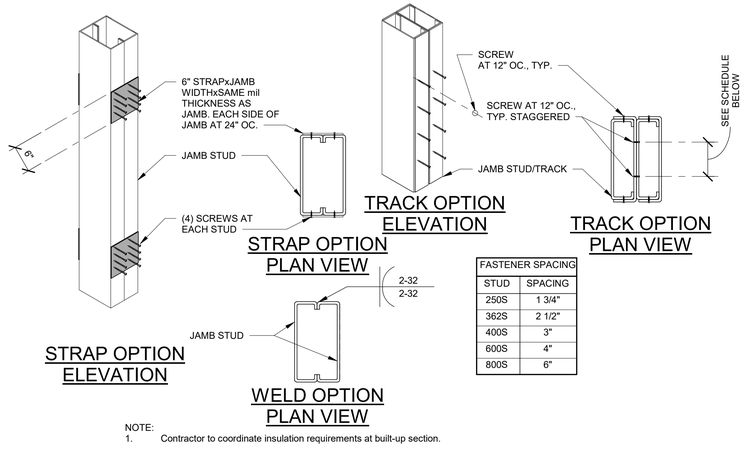
NO SCALE



NOTES:
1. Contractor to coordinate insulation requirements at built-up sections.
2. For connection to jamb, see 6 / S5.31.

BOXED HEADER CONNECTION 10

NO SCALE



FASTENER SPACING	
STUD	SPACING
250S	1 3/4"
362S	2 1/2"
400S	3"
600S	4"
800S	6"

NOTE:
1. Contractor to coordinate insulation requirements at built-up section.

TYPICAL JAMB CONSTRUCTION 11

NO SCALE

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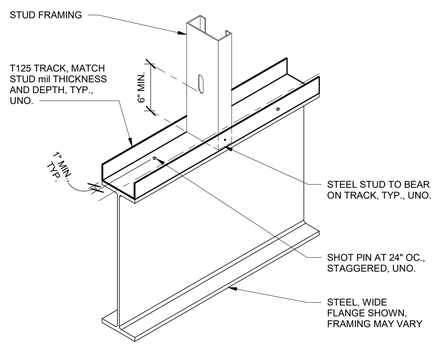
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

BID SET

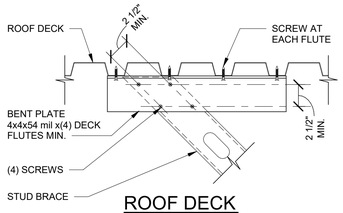
DRAWING NO.:
S5.31
GENERAL COLD-FORMED DETAILS



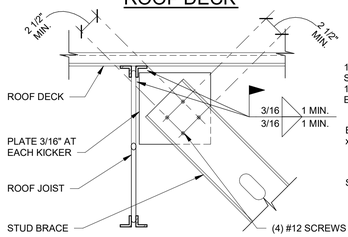
NOTE:
1. Contractor shall notify engineer if track does not sit fully on steel framing.

BASE TRACK AT STEEL FRAMING (1)

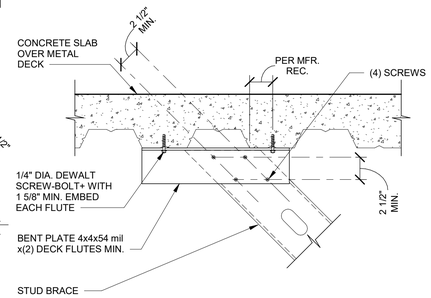
NO SCALE



ROOF DECK



ROOF DECK AT JOIST

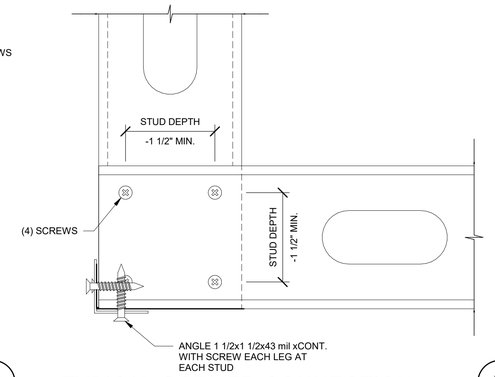


FLOOR DECK

NOTES:
1. Floor deck perpendicular to wall stud framing is similar.
2. Anchors in horizontal leg shall be within 1" of the vertical leg.

KICKER ATTACHMENT (2)

NO SCALE

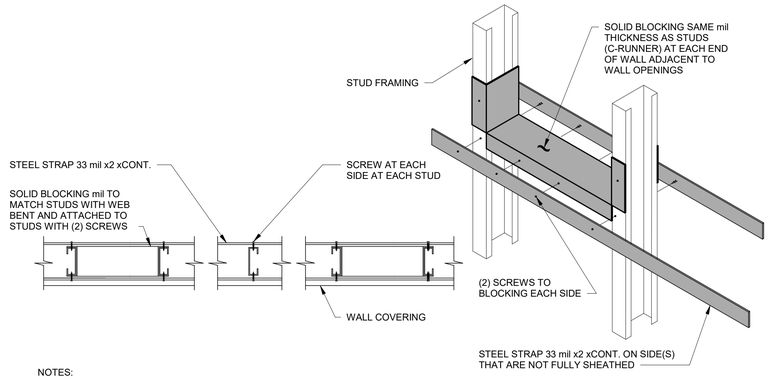


TYPICAL CORNER CONNECTION (3)

NO SCALE

GENERAL DETAIL NOTES

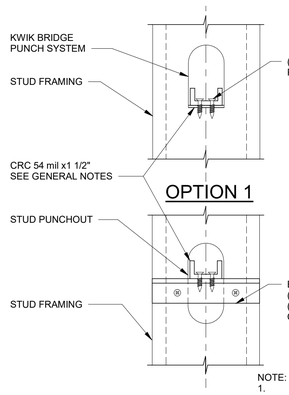
1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the Architect and Structural Engineer before performing alteration work.
4. For all top of footing, top of slab, and slab on grade construction, see foundation plan.
5. Columns and base plates are called out on plans and coordinated in the schedule shown on 1 / S4.01.
6. Sub-grade material below slabs and footings shall be constructed as indicated by geo-tech report.
7. For structural framing sizes, bottom of deck and top of steel elevations, see plans.
8. For floor deck size, attachment, span direction,and finish floor elevations, see plans.
9. For typical bearing wall construction, see plans. Coordinate location with plans and architectural.
10. For interior and exterior wall finishes, see architectural.
11. For all typical construction details not shown on this sheet, see all "S5" series drawings.



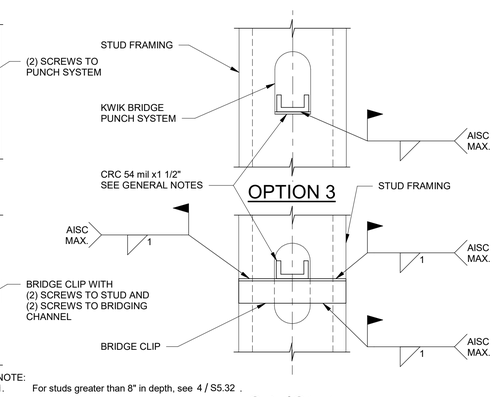
NOTES:
1. Blocking to occur at each end of wall or adjacent to each opening and at spacing, see general notes.
2. Contractors options: continuous CRC see 5 / S5.32 in lieu of stud and strap bridging.

PLAN DETAILS BLOCKING OR BRIDGING AT STEEL STUD WALLS (4)

NO SCALE



OPTION 1



OPTION 3

NOTE:
1. For studs greater than 8" in depth, see 4 / S5.32 .

OPTION 2

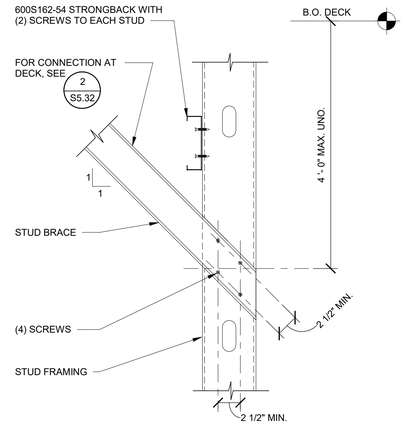
OPTION 4

SCREW OPTIONS

WELD OPTIONS

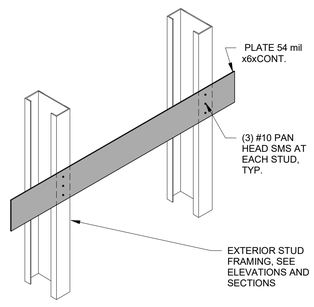
COLD-ROLLED CHANNEL BRIDGING (5)

NO SCALE



KICKER SUPPORT FOR STUD WALL (6)

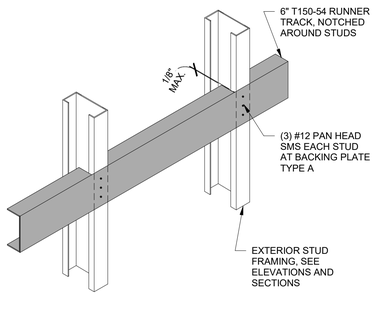
NO SCALE



NOTES:
1. Confirm length, height and location of backing plate and number required with item to be mounted.
2. Backing plate to be used with small, light weight items which weigh or support weight of less than 25 pounds per linear foot. Does not include handrails or grabrails.

BACK PLATE TYPE A (7)

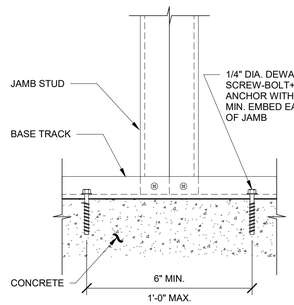
NO SCALE



NOTES:
1. Backing plate to be used with small, light weight items (soap dispensers, door stops, mirrors, clothes hooks, etc. but does not include handrails or grabrails) which weigh or support weight of less than 50 pounds per linear foot.
2. Stud flanges to be continuous.
3. Confirm length, height and location of backing plate and number required with item to be mounted.
4. Design load eccentricity from face of wall 'e' = 8" max.

BACKING PLATE TYPE B (8)

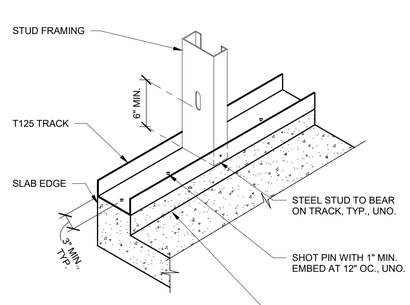
NO SCALE



NOTE:
1. Maintain 3" min. edge distance.

JAMB BASE CONNECTION AT WINDOW (9)

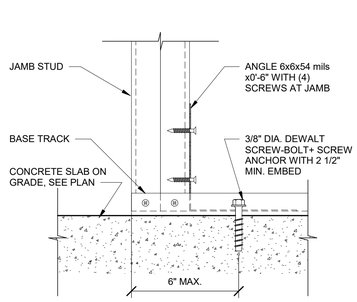
NO SCALE



NOTE:
1. For track splice, see 5 / S5.31.

TRACK TO CONCRETE CURB (10)

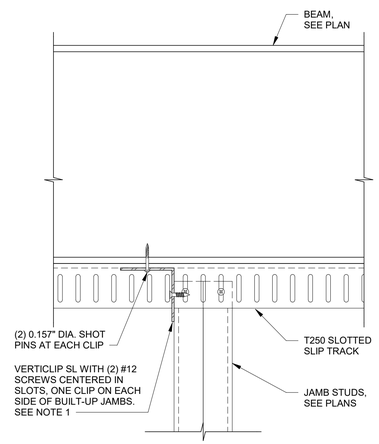
NO SCALE



NOTES:
1. At single jamb, cap bottom 1'-0" of stud with track and (3) screws each side.
2. Maintain 3" min. edge distance.

JAMB BASE CONNECTION AT DOOR (11)

NO SCALE



HEAD OF JAMB CONNECTION (12)

NO SCALE

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EXP. 05/31/2026

Lochsa engineering
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LE JOB #24LOC4023

Revisions
Description
Date

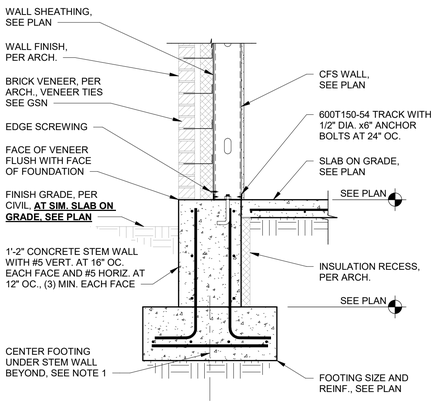
CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

BID SET

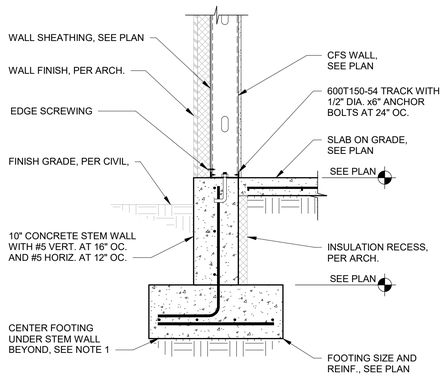
DRAWING NO.:
S5.32
GENERAL COLD-FORMED DETAILS



NOTES:
1. Where stem wall beyond does not occur provide footing centered under the stem wall shown here.
2. At wall openings see 4 / S6.01.

EXTERIOR STEEL STUD WALL 1

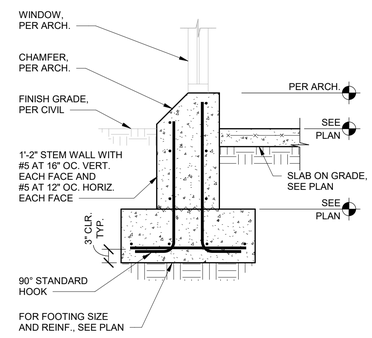
3/4" = 1'-0"



NOTES:
1. Where stem wall beyond does not occur provide footing centered under the stem wall shown here.
2. At wall openings see 4 / S6.01 .

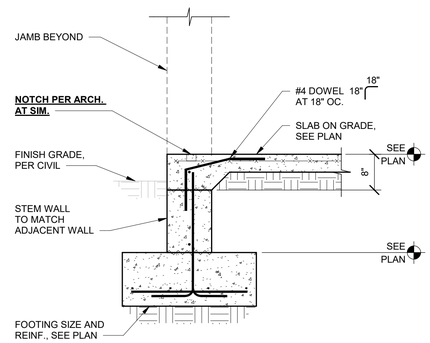
INTERIOR STEEL STUD WALL 2

3/4" = 1'-0"



STEM WALL AT WINDOW 3

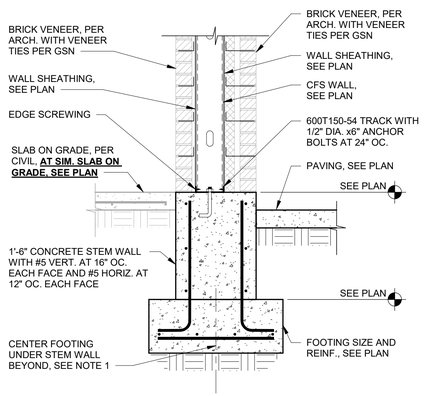
3/4" = 1'-0"



SLAB OVER FOUNDATION WALL AT DOORWAY 4

3/4" = 1'-0"

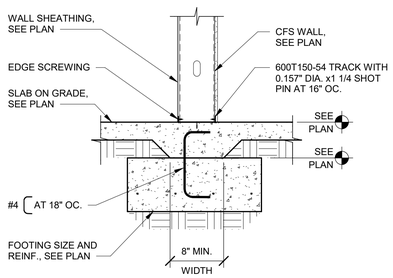
FN.WD.A-018



NOTE:
1. Where stem wall beyond does not occur provide footing centered under the stem wall shown here.

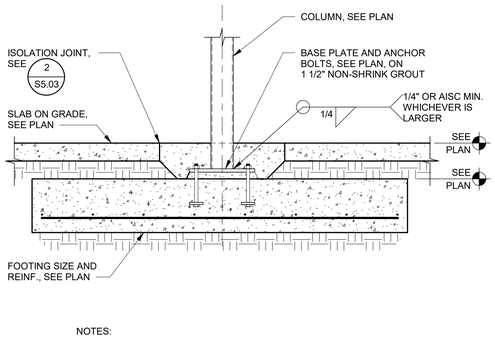
FOOTING AT SCREEN WALL 5

3/4" = 1'-0"



INTERIOR BEARING WALL 6

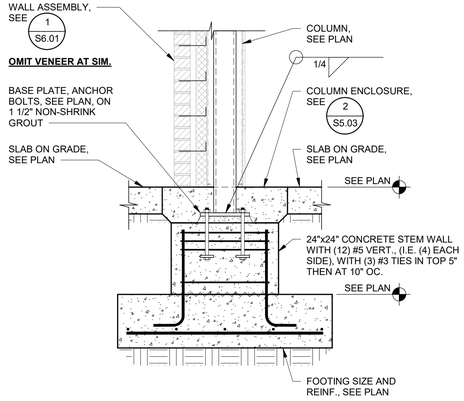
3/4" = 1'-0"



NOTES:
1. See plan or schedule for footing size and reinforcing.
2. Anchor bolts shall be secured in place prior to concrete placement.
3. Contractor is responsible for leveling of base plate.
4. Grout to be placed prior to applying loads to column.

TYPICAL INTERIOR COLUMN BASE 7

3/4" = 1'-0"



EXTERIOR COLUMN BASE SECTION 8

3/4" = 1'-0"

FOUNDATION DETAIL NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the architect and structural engineer before performing alteration work.
4. For concrete and foundation general details, see sheets S5.01 thru S5.03.
5. Footing designations are called out on the foundation plans and coordinated in the schedule on 5 / S4.01.
6. Slab on grade construction is called out on plans. Coordinate slab on grade construction with sheet S5.01.
7. Coordinate top of footing and top of slab elevations with foundation plans.
8. Columns and base plates are called out on plans and coordinated in the schedule shown on 1 / S4.01.
9. Sub-grade material below slabs and footings shall be constructed as indicated by geo-tech report. Coordinate vapor barrier placement below slab with arch and geo-tech report.
10. Contractor to coordinate exterior finish grade with architect and civil.
11. Coordinate non-shrink grout under steel columns with base plate schedule on sheet 1 / S4.01.
12. All rebar to maintain clear distances per concrete notes on sheet S0.02.
13. All concrete cold joints are to be roughened and cleaned to 1/4" amplitude, uno.
14. All hooked dowels are shown with 90° std. hook, see 4 / S5.01, uno.
15. All rebar shall maintain tension lap splice, see 5 / S5.01.
16. All dowels shall maintain development lengths, see 1 / S5.01. Concrete wall dowels are to extend to bottom of the footings and face of the footings. for dowels that are centered in wall alternate the hook direction.
17. Concrete strengths are provided in notes on sheet S0.02.
18. All exposed concrete edges shall have a 3/4" chamfer, typ., uno.
19. All cast in place anchor bolts are to be coordinated with the base plate schedule on sheet S4.01.
20. Minimum concrete pier horizontal reinforcing shall be, #3 tie sets at 12" oc. with (3) #3 tie sets at top 5", uno.
21. Provide 3" minimum concrete cover between surrounding soil and all embedded steel including, base plates, anchor bolts, headed anchors, columns, etc., uno.
22. All stem wall and footing reinforcing is to be continued thru column piers and footings, uno.
23. For structural bearing wall construction, see plans. Coordinate location with plans and architectural.
24. For structural cold-formed steel general details, see sheets S5.31 and S5.32.
25. For structural cold-formed steel framing, tracks, and header sizes, see plans.
26. For all interior and exterior wall finishes, see architectural.
27. Rigid foundation insulation shown for reference only. Coordinate thickness and placement with arch.
28. Masonry veneer shown for reference only. Coordinate thickness and layout with arch. For typical anchorage, see veneer tie notes on sheet S0.02.
29. For typical screws or shot pins at cold-formed steel, see notes on S0.02.

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EXP. 05/31/2026

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LE JOB #24LOC4023

Revisions Description	Date
1	

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

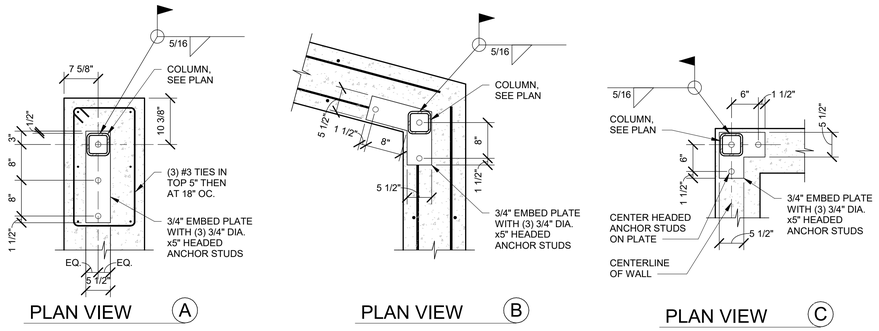
DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

BID SET

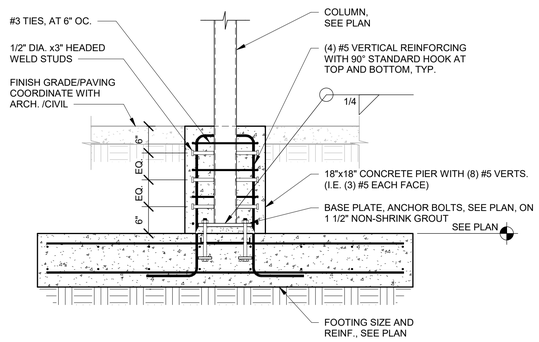
DRAWING NO.:

S6.01
FOUNDATION DETAILS



PIER AT STEM WALL 1

3/4" = 1'-0"



EXTERIOR COLUMN PIER 2

3/4" = 1'-0"

FOUNDATION DETAIL NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the architect and structural engineer before performing alteration work.
4. For concrete and foundation general details, see sheets S5.01 thru S5.03.
5. Footing designations are called out on the foundation plans and coordinated in the schedule on 5 / S4.01.
6. Slab on grade construction is called out on plans. Coordinate slab on grade construction with sheet S5.01.
7. Coordinate top of footing and top of slab elevations with foundation plans.
8. Columns and base plates are called out on plans and coordinated in the schedule shown on 1 / S4.01.
9. Sub-grade material below slabs and footings shall be constructed as indicated by geo-tech report. Coordinate vapor barrier placement below slab with arch and geo-tech report.
10. Contractor to coordinate exterior finish grade with architect and civil.
11. Coordinate non-shrink grout under steel columns with base plate schedule on sheet 1 / S4.01.
12. All rebar to maintain clear distances per concrete notes on sheet S0.02.
13. All concrete cold joints are to be roughened and cleaned to 1/4" amplitude, uno.
14. All hooked dowels are shown with 90° std. hook, see 4 / S5.01, uno.
15. All rebar shall maintain tension lap splice, see 5 / S5.01.
16. All dowels shall maintain development lengths, see 1 / S5.01. Concrete wall dowels are to extend to bottom of the footings and face of the footings. for dowels that are centered in wall alternate the hook direction.
17. Concrete strengths are provided in notes on sheet S0.02.
18. All exposed concrete edges shall have a 3/4" chamfer, typ., uno.
19. All cast in place anchor bolts are to be coordinated with the base plate schedule on sheet S4.01.
20. Minimum concrete pier horizontal reinforcing shall be, #3 tie sets at 12" oc. with (3) #3 tie sets at top 5", uno.
21. Provide 3" minimum concrete cover between surrounding soil and all embedded steel including, base plates, anchor bolts, headed anchors, columns, etc., uno.
22. All stem wall and footing reinforcing is to be continued thru column piers and footings, uno.
23. For structural bearing wall construction, see plans. Coordinate location with plans and architectural.
24. For structural cold-formed steel general details, see sheets S5.31 and S5.32.
25. For structural cold-formed steel framing, tracks, and header sizes, see plans.
26. For all interior and exterior wall finishes, see architectural.
27. Rigid foundation insulation shown for reference only. Coordinate thickness and placement with arch.
28. Masonry veneer shown for reference only. Coordinate thickness and layout with arch. For typical anchorage, see veneer tie notes on sheet S0.02.
29. For typical screws or shot pins at cold-formed steel, see notes on S0.02.

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EXP. 05/31/2026

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LE JOB #24LOC4023

Revisions Description	Date
1	

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

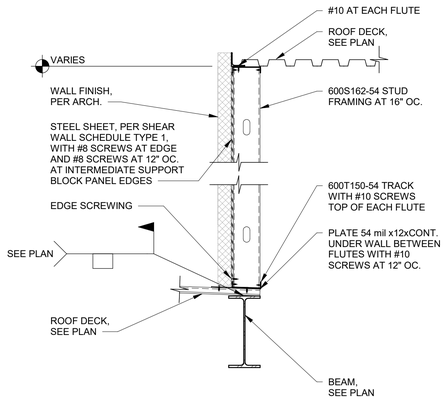
DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

BID SET

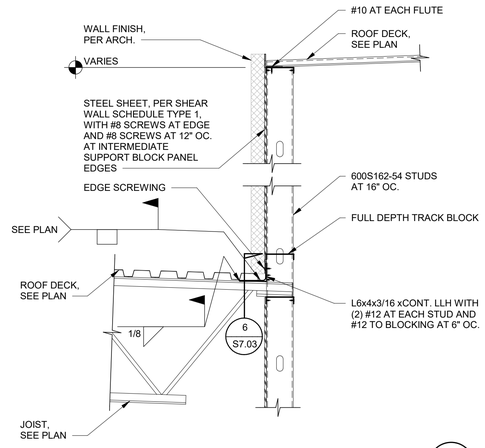
DRAWING NO.:

S6.02
FOUNDATION DETAILS



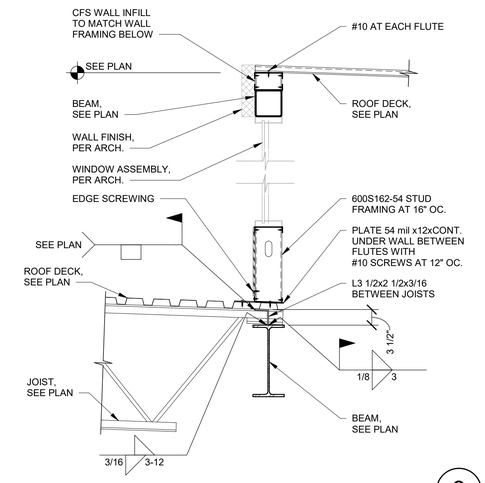
FRAMING SECTION 1

3/4" = 1'-0"



FRAMING SECTION 2

3/4" = 1'-0"

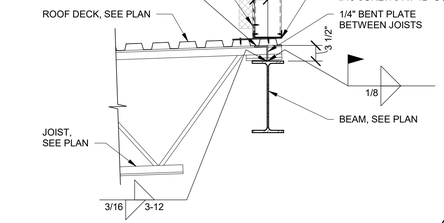


ROOF FRAMING AT SKYLIGHT 3

3/4" = 1'-0"

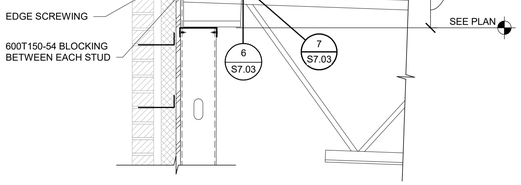
ROOF FRAMING DETAIL NOTES

1. For structural design notes, see sheets starting at S0.01.
2. Architectural backgrounds are shown for reference only. The dimensions shown apply to structural elements only. For dimensions not shown, see architect of record submittal.
3. Contractor shall field verify existing structural conditions. If any discrepancies are found, contractor shall contact the architect and structural engineer before performing alteration work.
4. For structural steel general details, see sheets S5.21 and S5.22.
5. For structural cold-formed steel typical details, see sheets S5.31 and S5.32.
6. For structural cold-formed steel framing, tracks, and header sizes, see plans.
7. Columns are called out on foundation or level of origin plans
8. For all top of structural steel, bottom of deck or finish elevations, see framing plans.
9. For roof deck size, attachment and span direction, see plans.
10. For structural bearing wall construction, see plans. Coordinate location with plans and architectural.
11. For interior and exterior wall finishes, see architectural.
12. Masonry veneer shown for reference only. Coordinate thickness and layout with arch. For typical anchorage, see veneer anchorage notes on sheet S0.02.
13. For typical screws or shot pins at cold-formed steel, see notes on S0.02.



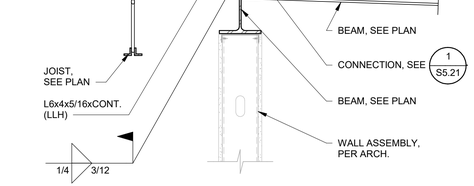
FRAMING SECTION 4

3/4" = 1'-0"



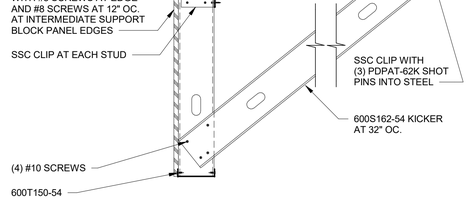
STEEL JOIST AT STEEL STUD WALL 5

1" = 1'-0"



FRAMING SECTION 6

1" = 1'-0"



FRAMING SECTION 7

1" = 1'-0"

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Phone (208) 342-7168
LE JOB #24LOC4023

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

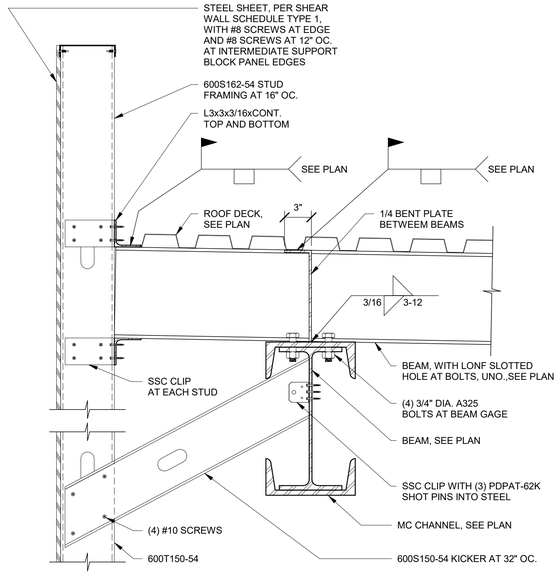
DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

BID SET

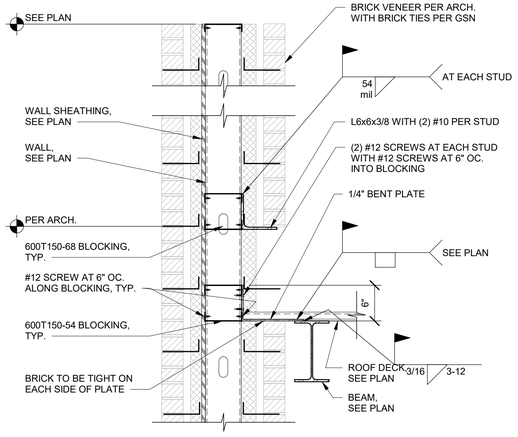
DRAWING NO.:

S7.01
ROOF FRAMING DETAILS



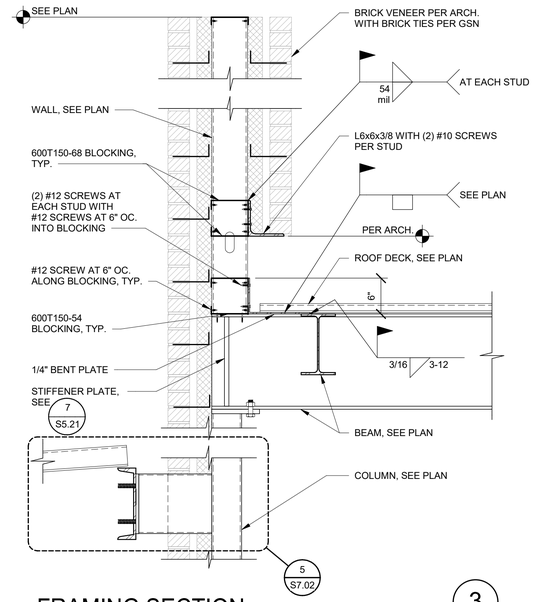
FRAMING SECTION 1

1 1/2" = 1'-0"



FRAMING SECTION 2

1" = 1'-0"

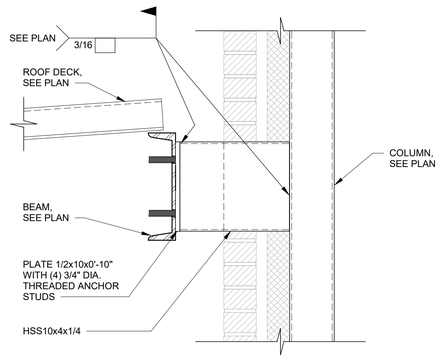


FRAMING SECTION 3

1" = 1'-0"

FRAMING SECTION 4

1" = 1'-0"



FRAMING SECTION 5

1 1/2" = 1'-0"

FRAMING SECTION 6

1" = 1'-0"

ROOF FRAMING DETAIL NOTES

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11. For interior and exterior wall finishes, see architectural.
12. Masonry veneer shown for reference only. Coordinate thickness and layout with arch. For typical anchorage, see veneer anchorage notes on sheet S0.02.
13. For typical screws or shot pins at cold-formed steel, see notes on S0.02.

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PROFESSIONAL ENGINEER REGISTERED LICENSED 7451 10/28/24 STATE OF IDAHO KEVIN J. MAHAFFEY

EXP. 05/31/2026

Lochsa engineering
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BOISE IDAHO 83704
Phone (208) 342-7168
LE JOB #24LOC4023

Revisions

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1	

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
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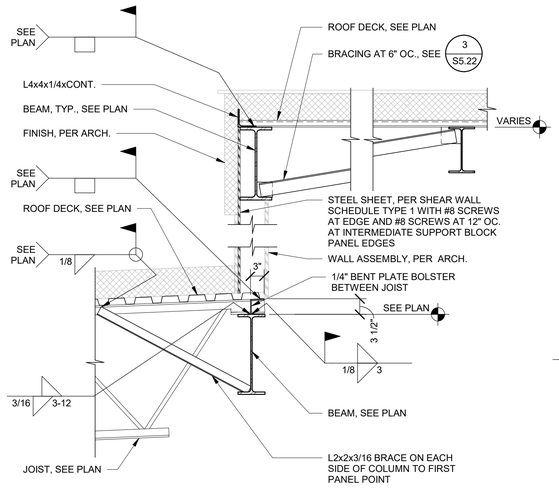
BID SET

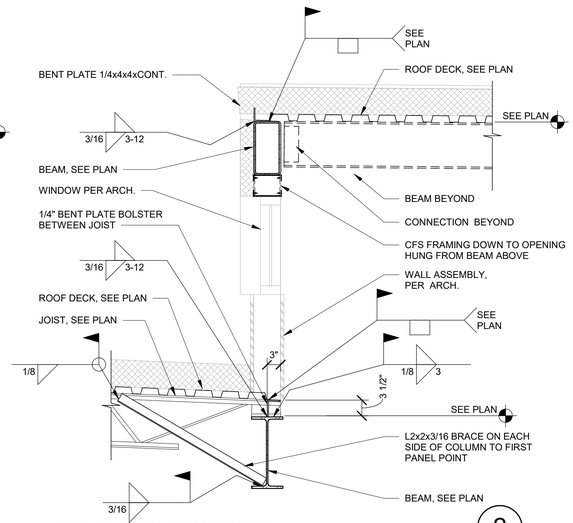
DRAWING NO.:

S7.02
ROOF FRAMING DETAILS



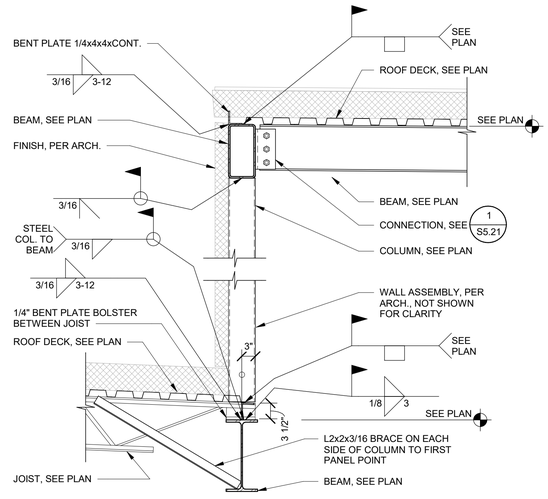
FRAMING SECTION 1

3/4" = 1'-0"



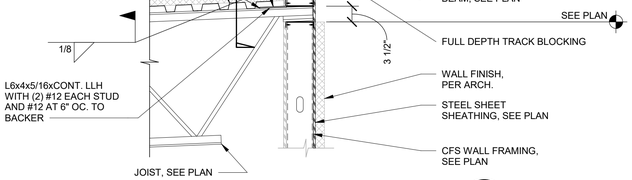
FRAMING SECTION 2

3/4" = 1'-0"



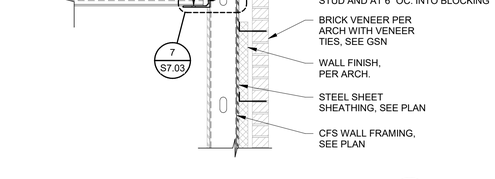
FRAMING SECTION 3

3/4" = 1'-0"



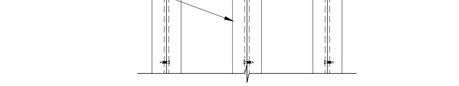
FRAMING SECTION 4

3/4" = 1'-0"



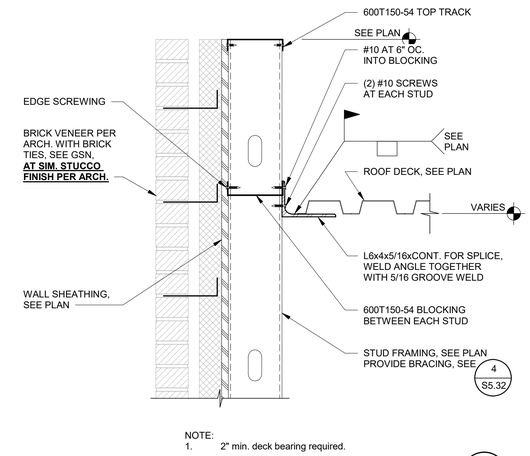
FRAMING SECTION 5

3/4" = 1'-0"



JOIST SEAT POCKET AT CFS BEARING WALL

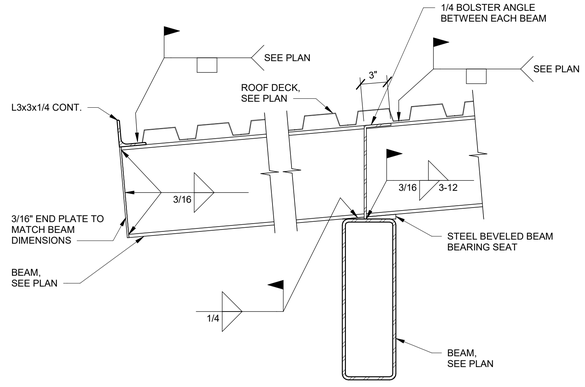
1 1/2" = 1'-0"



NOTE:
1. 2" min. deck bearing required.

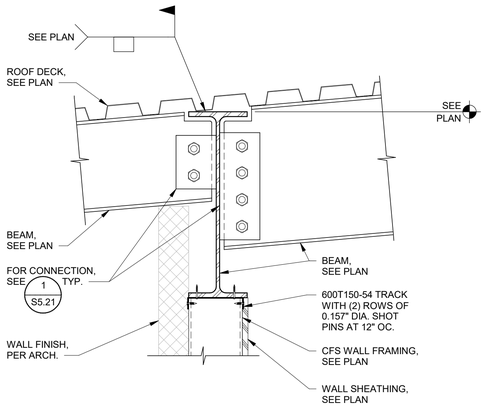
LEDGER AT STUD WALL

1 1/2" = 1'-0"



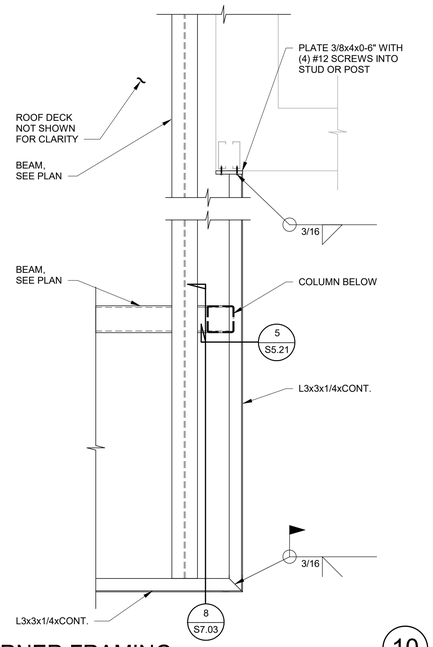
FRAMING SECTION 8

1 1/2" = 1'-0"



FRAMING SECTION 9

1 1/2" = 1'-0"



CORNER FRAMING

3/4" = 1'-0"

ROOF FRAMING DETAIL NOTES

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Revisions
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Date
1

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DATE: 10/28/24
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DRAWN BY: AC / AJB
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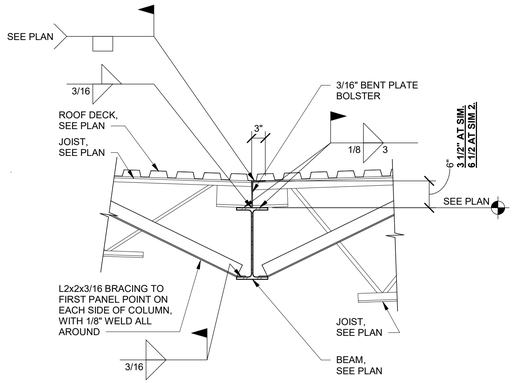
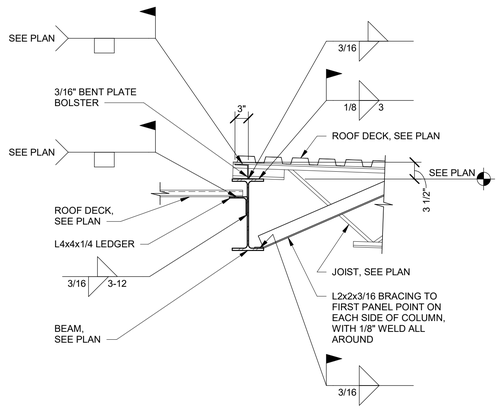
DRAWING NO.:
S7.03
ROOF FRAMING DETAILS



JOIST TO BEAM

1

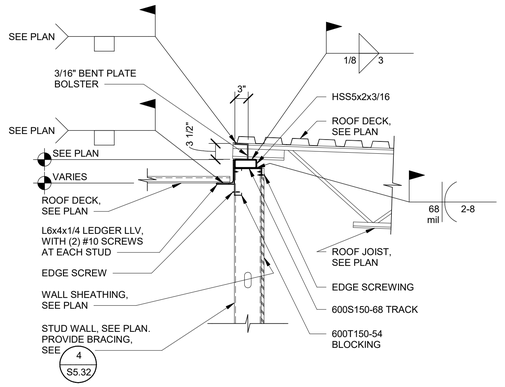
3/4" = 1'-0"



ROOF ELEVATION TRANSITION

2

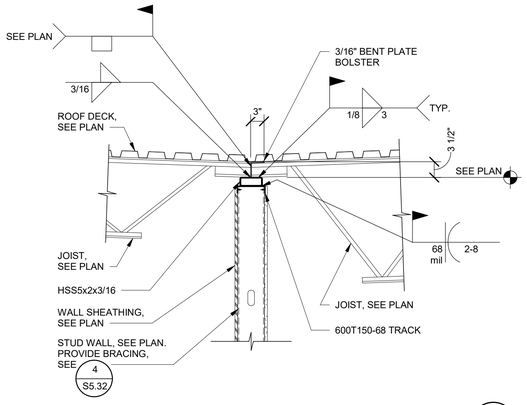
3/4" = 1'-0"



ROOF ELEVATION TRANSITION AT WALL

3

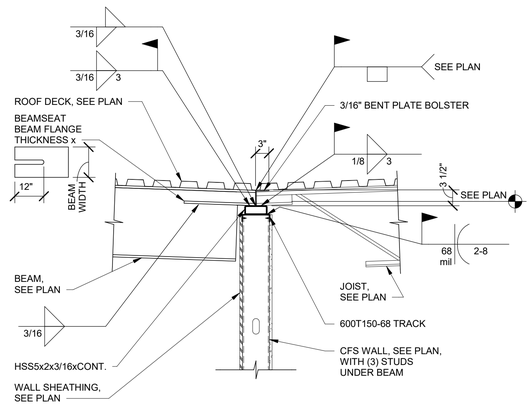
3/4" = 1'-0"



JOIST TO WALL

4

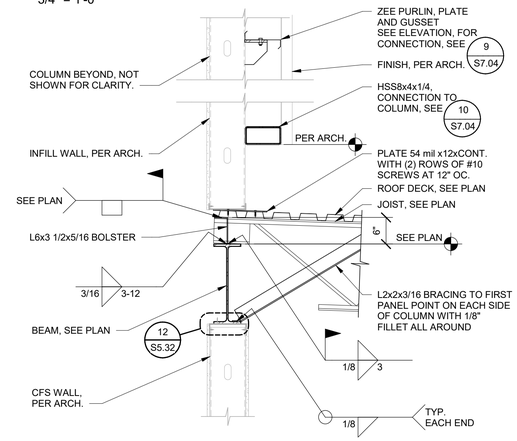
3/4" = 1'-0"



FRAMING SECTION

5

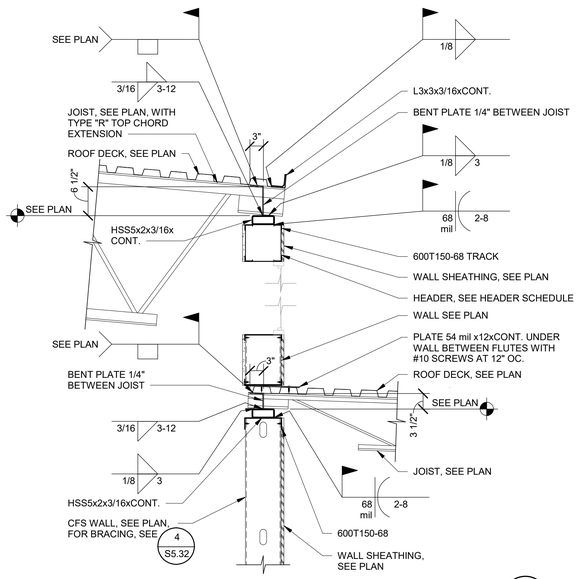
3/4" = 1'-0"



FRAMING SECTION

6

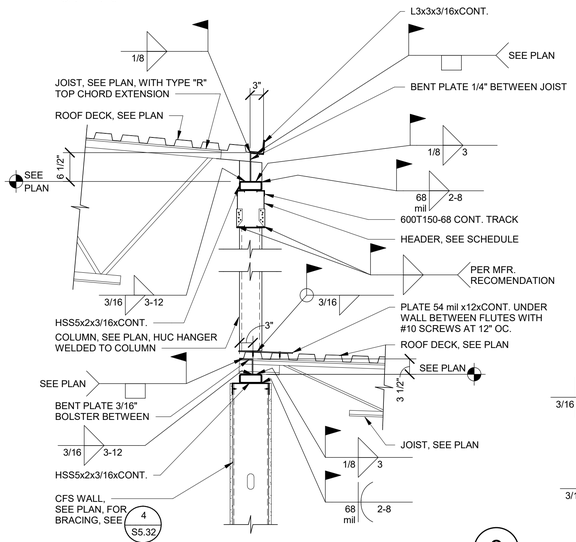
3/4" = 1'-0"



FRAMING SECTION

7

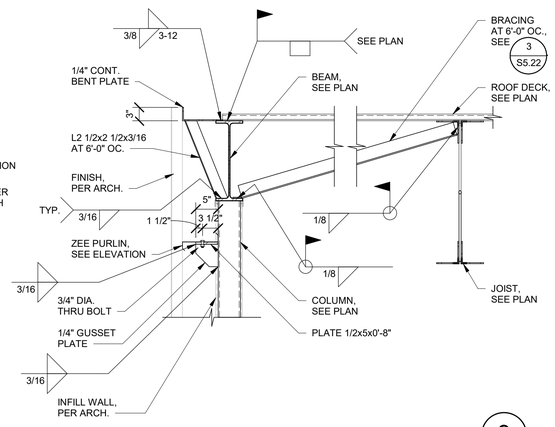
3/4" = 1'-0"



FRAMING SECTION

8

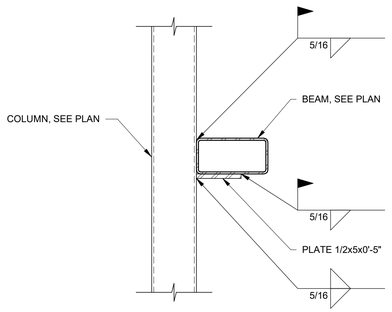
3/4" = 1'-0"



FRAMING SECTION

9

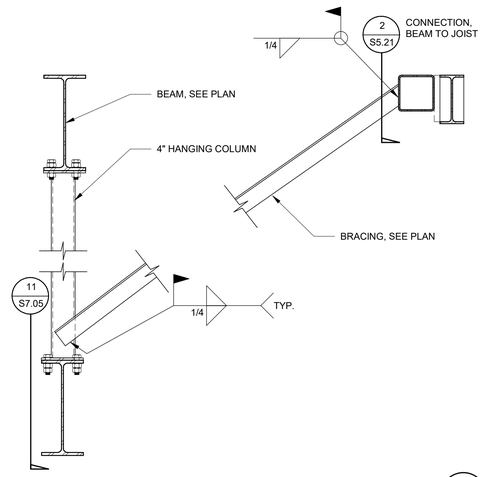
3/4" = 1'-0"



BEAM TO COLUMN

10

1 1/2" = 1'-0"



BRACING AT BEAMS

11

1" = 1'-0"

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LE JOB #24LOC4023

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CSI - LeRoy Craig Jerome Center
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DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: AC / AJB
CHECKED BY: CH

BID SET

DRAWING NO.:

S7.04
ROOF FRAMING DETAILS

ROOF FRAMING DETAIL NOTES

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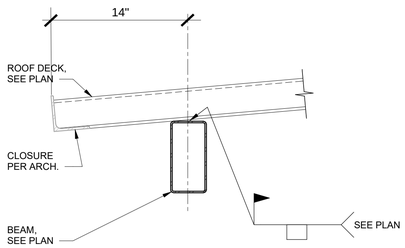
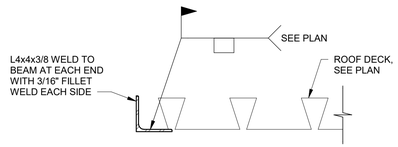
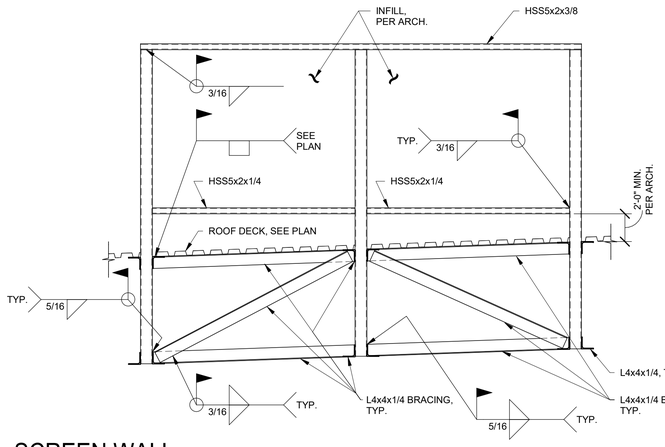


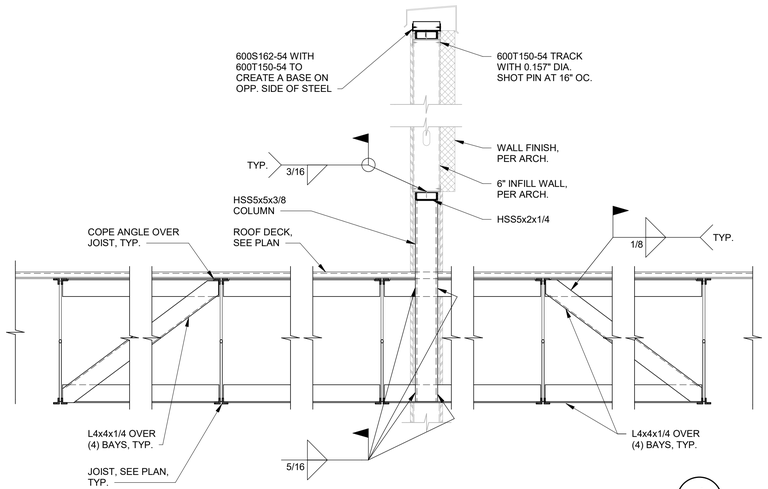
CANOPY FRAMING 1
1 1/2" = 1'-0"



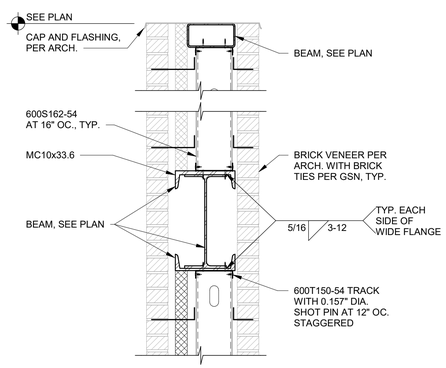
CANOPY FRAMING 2
1 1/2" = 1'-0"



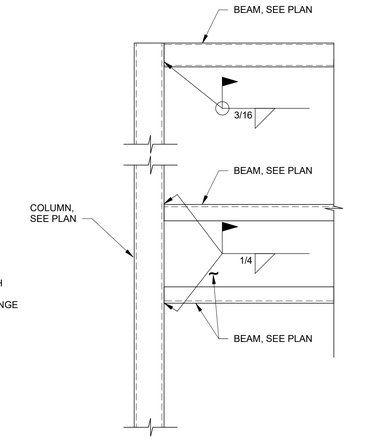
SCREEN WALL 3
1/2" = 1'-0"



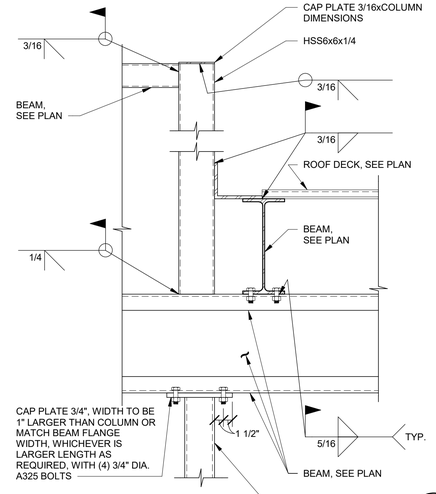
SCREEN WALL 4
3/4" = 1'-0"



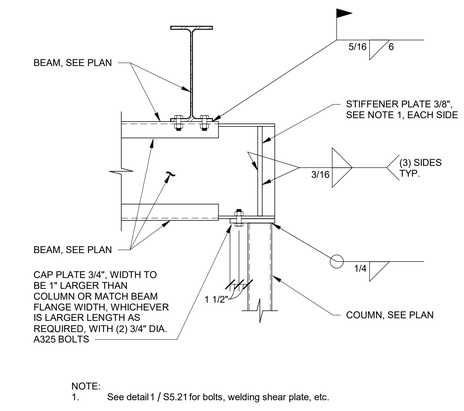
WALL SECTION AT BEAM 5
1" = 1'-0"



BEAMS TO COLUMN 6
1" = 1'-0"

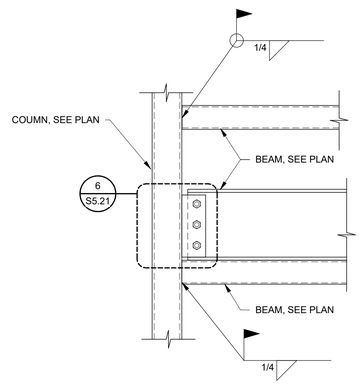


BEAM TO COLUMN 7
1" = 1'-0"

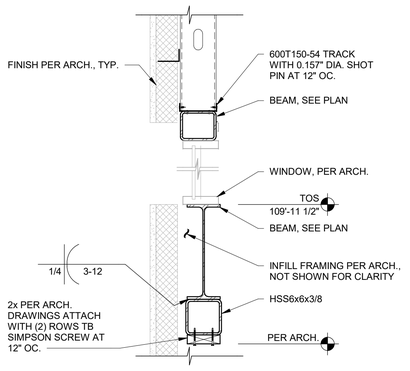


NOTE:
1. See detail 1 / S5.21 for bolts, welding shear plate, etc.

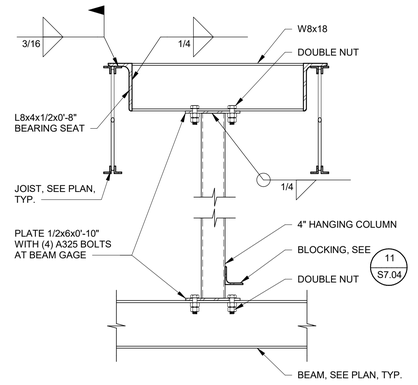
BEAM TO COLUMN 8
1" = 1'-0"



BEAM TO COLUMN 9
1" = 1'-0"



WALL SECTION 10
1" = 1'-0"



FRAMING SECTION 11
1" = 1'-0"

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DRAWN BY: AC / AJB
CHECKED BY: CH

BID SET

DRAWING NO.:
S7.05
ROOF FRAMING DETAILS

MECHANICAL ABBREVIATIONS

A/C or AC	AIR CONDITIONING	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	KWH	KILOWATT HOUR
AHU	AIR HANDLING UNIT		
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS	LAT	LEAVING AIR TEMPERATURE
		LAV	LAVATORY
BTU	BRITISH THERMAL UNITS	LEED	LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN
BTUH	BTUS PER HOUR	LWT	LEAVING WATER TEMPERATURE
CA	COMBUSTION AIR	MAX	MAXIMUM
CC	COOLING COIL	MCA	MINIMUM CIRCUIT AMPS
CFM	AIR FLOW RATE (CUBIC FEET PER MINUTE)	MOCP	MAXIMUM OVERCURRENT PROTECTION
CHWR	CHILLED WATER RETURN	MIN	MINIMUM
CHWS	CHILLED WATER SUPPLY		
CLG	CEILING	NC	NOISE CRITERIA
CW	COLD WATER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
		NTS	NOT TO SCALE
DEG or °	DEGREE		
DIA or Ø	DIAMETER	OSA	OUTSIDE AIR
DB	DRY BULB		
		PD	PRESSURE DROP
EA	EXHAUST AIR	PH or Ø	PHASE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
EER	ENERGY EFFICIENCY RATIO		
ESP	EXTERNAL STATIC PRESSURE	RA	RETURN AIR
EWT	ENTERING WATER TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
		RTU	ROOFTOP UNIT
FCO	FLOOR CLEANOUT		
FD	FIRE DAMPER	SA	SUPPLY AIR
FLA	FULL LOAD AMPS	SEER	SEASONAL ENERGY EFFICIENCY RATIO
FLR	FLOOR	SFD	COMBINATION SMOKE/FIRE DAMPER
FPM	FEET PER MINUTE	SP	STATIC PRESSURE
FT	FEET	SYM	SYMBOL
GA	GAUGE	T & P	TEMPERATURE AND PRESSURE
GCO	GRADE CLEANOUT	TEMP	TEMPERATURE
GPM	WATER FLOW RATE (GALLONS PER MINUTE)	TYP	TYPICAL
HC	HEATING COIL	UMC	UNIFORM MECHANICAL CODE
HP	HORSE POWER	UPC	UNIFORM PLUMBING CODE
HVAC	HEATING, VENTILATING, AIR CONDITIONING	URL	URINAL
HW	HOT WATER		
HWR	HOT WATER RETURN	VTR	VENT THROUGH ROOF
HWS	HOT WATER SUPPLY	V	VOLTS
IBC	INTERNATIONAL BUILDING CODE	W/	WITH
IEEC	INTERNATIONAL ENERGY CONSERVATION CODE	WB	WET-BULB
IFC	INTERNATIONAL FIRE CODE	WC	WATER CLOSET
IFGC	INTERNATIONAL FUEL GAS CODE	WCO	WALL CLEANOUT
IMC	INTERNATIONAL MECHANICAL CODE	WH	WATER HEATER
IPC	INTERNATIONAL PLUMBING CODE		
NOTE:	THIS IS A STANDARD LIST OF COMMONLY USED MECHANICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.		

MECHANICAL GENERAL NOTES

1. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE (IMC) LATEST EDITION, AND ALL APPLICABLE LOCAL AND STATE CODES.
2. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED PLUMBING CODE, AND ALL LOCAL AND STATE CODES.
3. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
4. MECHANICAL CONTRACTORS SHALL RECEIVE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE MAKING CUTS THROUGH ANY STRUCTURAL MEMBER.
5. MECHANICAL CONTRACTORS SHALL COORDINATE INSTALLATION WITH CONSTRUCTION SUPERVISOR AND WITH ALL OTHER TRADES TO AVOID CONFLICTS.
6. THE MECHANICAL CONTRACTORS SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS PRIOR TO ORDERING MOTORIZED EQUIPMENT AND CONTROLS.
7. SEE MECHANICAL SCHEDULE SHEET FOR SCHEDULED CAPACITIES OF ALL MECHANICAL EQUIPMENT AND MATERIALS SPECIFIED.
8. DOMESTIC WATER SERVICE IS PROVIDED WITH AN APPROVED BACKFLOW PREVENTER ASSEMBLY.
9. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL BACKFLOW DEVICES TO INSPECTED BY A CERTIFIED BACKFLOW TECHNICIAN BEFORE THE USE OF THE BUILDING POTABLE WATER SYSTEM.
10. ALL MECHANICAL EQUIPMENT TO BE PROPOSED MUST BE ON THE APPROVED LIST PRIOR TO SUBMITTALS. ALL APPROVED MANUFACTURERS MUST BE CAPABLE OF MEETING THE REQUIREMENTS OF THE SPECIFIED EQUIPMENT.
11. RUNOUT AND HOOKUP SIZES TO INDIVIDUAL PLUMBING FIXTURES CAN BE FOUND ON THE PLUMBING FIXTURE SCHEDULE.
12. PROVIDE REMOTE CEILING ACCESS BALANCE DAMPERS WITH CONCEALED CHROME PLATE COVERS FOR BALANCE DAMPERS LOCATED ABOVE HARD CEILINGS.
13. PAINT VTR'S, FLUES, EXHAUST CAPS, AND OTHER MECHANICAL ITEMS ON THE ROOF TO MATCH THE ROOF COLOR.
14. INSULATED FLEXIBLE DUCTWORK--IN LENGTHS OF 6'-0" OR LESS--MAY BE USED FOR RUNOUTS TO AIR TERMINALS.
15. MAINTAIN MINIMUM 10'-0" DISTANCE BETWEEN ALL FRESH AIR INTAKES AND EXHAUST OR GAS FLUE DISCHARGES.
16. LOCATE ACCESS HATCHCES SO AS TO PROVIDE OPTIMUM SERVICEABILITY TO EQUIPMENT AND/OR VALVING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND COLOR. COORDINATE LOCATION WITH ARCHITECTURAL, STRUCTURAL, AND LIGHTING.
17. WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.
18. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONAL COST SHALL BE AWARDED TO THE SUCCESSFUL CONTRACTOR (OR THEIR SUBCONTRACTORS) AFTER BIDS HAVE BEEN SUBMITTED AND CONTRACTS AWARDED FOR FAILURE TO VERIFY EXISTING FIELD CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR ALTERNATIVE METHODS OF INSTALLATION PRIOR TO THE BIDDING OF THIS PROJECT.

MECHANICAL AND PLUMBING DRAWINGS LEGEND

	FLEXIBLE DUCTWORK		THREE WAY CONTROL VALVE
	DUCTWORK		TWO WAY CONTROL VALVE
	DUCTWORK BREAK		PRESSURE REDUCING VALVE
	DUCTWORK OR PIPING RISE		GATE VALVE
	CONCENTRIC SQUARE TO ROUND TRANSITION		REDUCER
M	MOTORIZED DAMPER		GLOBE VALVE
	MANUAL VOLUME DAMPER		BALL VALVE
AIRFLOW	SPIN-IN FITTING W/ AIR EXTRACTOR AND HAND DAMPER		BUTTERFLY VALVE
AIRFLOW	HIGH EFFICIENCY FITTING W/ HAND DAMPER		BALANCE VALVE
$	SWITCH		CHECK VALVE
T	THERMOSTAT	FCO	FLOOR CLEANOUT
H	HUMIDISTAT	WCO	WALL CLEANOUT
S	TEMPERATURE SENSOR	GCO	GRADE CLEANOUT
CO_2	CARBON DIOXIDE SENSOR		WATER HAMMER ARRESTOR
CO	CARBON MONOXIDE SENSOR		FLOOR DRAIN
NO	NITROUS OXIDE SENSOR		FLOOR SINK
SD	DUCT SMOKE DETECTOR		GAS PRESSURE REGULATOR W/ GAS COCK
	COMBINATION SMOKE/FIRE DAMPER		PRESSURE RELIEF VALVE
	FIRE DAMPER		VENT-THROUGH-ROOF
	SMOKE DAMPER		VENT
#	EQUIPMENT CALLOUT		SOIL, WASTE, OR SANITARY SEWER
	TURNING VANES	AW	ACID WASTE LINE
	INTAKE OR EXHAUST	AV	ACID VENT LINE
	DIRECTION OF AIRFLOW	SD	STORM DRAIN
D-X CFM X"ø	SUPPLY DIFFUSER	RD	ROOF DRAIN LINE
R-X X"ø	RETURN GRILLE	OD	OVERFLOW DRAIN LINE
EX CFM X"ø	EXHAUST GRILLE	CD	CONDENSATE DRAIN LINE
GX CFM X"ø	FLOOR GRILLE		DOMESTIC COLD WATER (CW)
	CEILING EXHAUST FAN		DOMESTIC HOT WATER (HW)
	TEMPERATURE GAUGE		DOMESTIC HOT WATER RETURN (HWR)
	PRESSURE GAUGE (LIQUID FILLED W/ ISOLATION VALVE)	TW	TEMPERED WATER (TW)
TS	TEMPERATURE SENSOR (DUCT OR PIPING)	MPG	MEDIUM PRESSURE NATURAL GAS
FS	FLOW SWITCH	G	LOW PRESSURE NATURAL GAS
	STAINLESS STEEL BRAIDED FLEX CONNECTION	F	FIRE SPRINKLER LINE
	ELASTOMETRIC FLEX CONNECTOR	GWS	GEOTHERMAL WATER SUPPLY
	SUCTION DIFFUSER	GWR	GEOTHERMAL WATER RETURN
	Y TYPE STRAINER (1-1/2" OR LARGER PROVIDED W/ BLOW DOWN VALVE)	CWS	CHILLED WATER SUPPLY
	FLOW DIRECTION	CWR	CHILLED WATER RETURN
	DEMOLITION / EQUIPMENT TO BE REMOVED	CS	CONDENSER WATER SUPPLY
	NEW TO EXISTING CONNECTION POINT	CR	CONDENSER WATER RETURN
(E)	EXISTING	HWS	HEATING WATER SUPPLY
(F)	FUTURE	HWR	HEATING WATER RETURN
(N)	NEW	L	LIQUID REFRIGERANT LINE
	REDUCED PRESSURE BACKFLOW PREVENTER	S	SUCTION REFRIGERANT LINE
	DOUBLE CHECK BACKFLOW PREVENTER		SLOPE PIPE IN DIRECTION OF ARROW
	UNION		PIPE ANCHOR
	AIR VENT		PIPE GUIDE
	TRIPLE DUTY VALVE		CAP
NOTE:	THIS IS A LIST OF COMMONLY USED MECHANICAL AND PLUMBING SYMBOLS. SOME OF THE SYMBOLS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.		

ENERGY CODE COMPLIANCE

A. COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE INTERNATIONAL ENERGY CONSERVATION CODE IS REQUIRED FOR THIS PROJECT. THESE NOTES COVER MANDATORY REQUIREMENTS OF THE CODE. ADDITIONAL REQUIREMENTS ARE NOTED ON THE DRAWINGS AND IN THE SPECIFICATIONS.

B. MINIMUM REQUIREMENTS FOR SUPPLY AND RETURN DUCTWORK INSULATION:

1. R-6: DUCTS LOCATED IN UNCONDITIONED SPACES (SPACE NEITHER HEATED NOR COOLED SUCH AS ABOVE CEILING SPACES, WALL SPACES, DUCT CHASES, SOFFITS, ATTICS, CRAWL SPACES, UNHEATED BASEMENTS, AND UNHEATED GARAGES).
2. R-12: DUCTS LOCATED OUTSIDE OF THE BUILDING'S INSULATION ENVELOPE (SUCH AS ABOVE THE ATTIC INSULATION).

TYPICAL INSULATION THICKNESS REQUIRED TO MEET THESE REQUIREMENTS:

1. FIBERGLASS DUCT WRAP: R-6, R-12.
2. FIBERGLASS DUCT LINER: R-6, R-12.

C. CONTRACTOR SHALL VERIFY THE R-VALUES OF THE ACTUAL INSULATION USED WITH THE MANUFACTURER. R-VALUES SHALL BE INSTALLED VALUES.

D. WHERE DUCTS USED FOR COOLING ARE EXTERNALLY INSULATED, THE INSULATION SHALL BE COVERED WITH A VAPOR RETARDER HAVING A MAXIMUM PERMEANCE OF 0.05 PERM OR ALUMINUM FOIL HAVING A MINIMUM THICKNESS OF 2 MILS. INSULATION HAVING A PERMEANCE OF 0.05 PERMS OR LESS SHALL NOT BE REQUIRED TO BE COVERED. ALL JOINTS AND SEAMS SHALL BE SEALED TO MAINTAIN THE CONTINUITY OF THE VAPOR RETARDER.

E. ALL DUCT JOINTS, SEAMS, AND CONNECTIONS SHALL BE FASTENED AND SEALED WITH WELDS, GASKETS, ADHESIVES, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS, OR TAPES. TAPES AND MASTICS SHALL BE LISTED AND LABELED PER UL181A OR UL181B. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS. DUCT CONNECTIONS TO FLANGES OR EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED.

F. MINIMUM REQUIREMENTS (THICKNESS) FOR PIPING INSULATION SHALL BE AS FOLLOWS:

FLUID	NOMINAL PIPE DIAMETER		
	1/2" TO < 1-1/2"	1-1/2" TO < 4"	4" AND ABOVE
1. REFRIGERANT	SEE SPECIFICATIONS		

THE ABOVE INSULATION IS BASED ON HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU-INCH/HOUR-FT2-°F.

G. DOMESTIC HOT WATER PIPING SYSTEMS SHALL BE INSULATED WITH 1" INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU-INCH/HOUR-FT2-°F.

H. DOMESTIC WATER HEATERS WHICH ARE NOT PROVIDED WITH INTEGRAL HEAT TRAPS AND SERVE NONCIRCULATING SYSTEMS SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING AT THE WATER HEATER.

I. DOMESTIC HOT WATER SYSTEMS WITH RECIRCULATION PUMPS OR ELECTRIC HEAT TRACE SHALL BE CONTROLLED WITH 7-DAY TIME CLOCKS.

J. AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. THE O&M MANUAL SHALL CONTAIN THE FOLLOWING INFORMATION AS A MINIMUM:

1. EQUIPMENT CAPACITY (INPUT & OUTPUT).
2. EQUIPMENT OPERATING AND MAINTENANCE INSTRUCTIONS.
3. CONTROL SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS, AND CONTROL SEQUENCES.
4. CONTROL SYSTEM SETPOINTS SHALL BE SHOWN ON CONTROL DRAWINGS, AT CONTROL DEVICES, OR IN PROGRAMMING COMMENT ON DDC SYSTEMS.
5. A COMPLETE WRITTEN NARRATIVE ON HOW EACH MECHANICAL SYSTEM IS INTENDED TO OPERATE.

LKV ARCHITECTS
2400 E. Riverwalk Drive
Boise, Idaho 83706
www.lkvarchitects.com
208.336.3443

MUSGROVE ENGINEERING, P.A.
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OVER 40 YEARS OF EXCELLENCE
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PROFESSIONAL ENGINEER REGISTERED 13317 11/5/2024 STATE OF IDAHO JASON A. RICE

Revisions Description	Date
#	

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

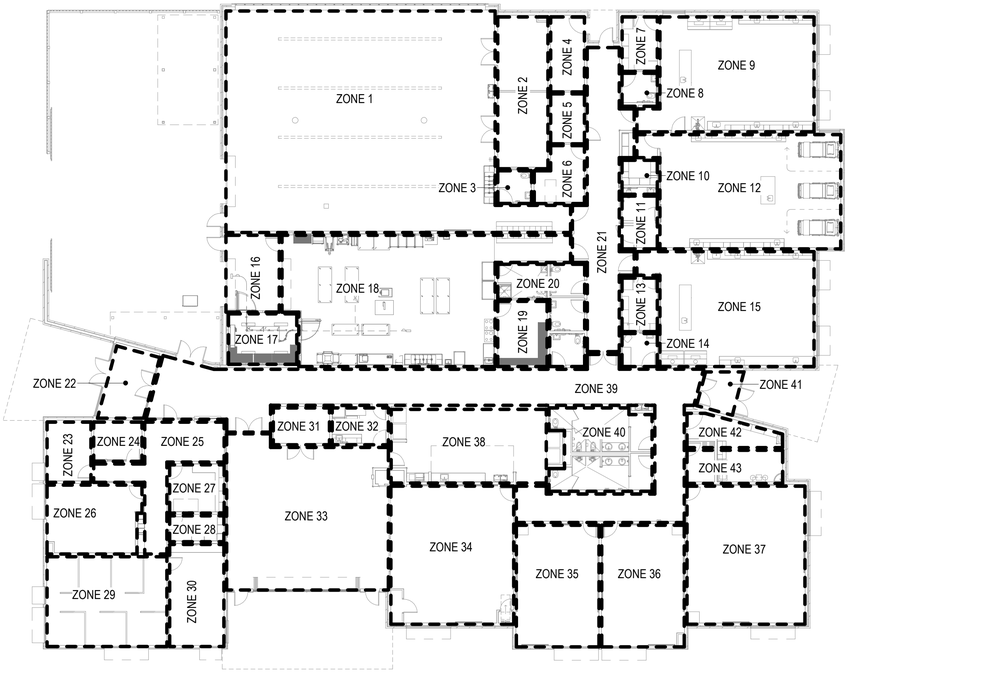
DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: JAD
CHECKED BY: JR

BID SET

DRAWING NO.:

M0.0
MECHANICAL COVER SHEET



1 MECHANICAL ZONE PLAN
1/16" = 1'-0"

MUSGROVE ENGINEERING, PA
234 S. WHISPERWOOD WAY BOISE, IDAHO 83709

Zone Summary

PROJECT: *CSI LeRoy Craig Jerome Center* | Design Conditions | Winter: 6 | Summer: 98.7
COMPUTED BY: *JAD* | DATE: 27-Aug-24 | CHK BY: JR

Zone Reference	FLOOR SQ. FT.	Heating Load BTUH	Heating Load kW	Sensible Cooling Load BTUH	Total Cooling Load BTUH	NOMINAL TON (12000-BTU/NTON)	SQ. FT PER NOMINAL TON	NUMBER OF PEOPLE	OSA	EXHAUST	Unit Selection Size TONS
1 ZONE 1 - Training Lab 1	3000	161,912	47	63,668	80,498	6.7	447.2	60	0	2250	
2 ZONE 2 - Storage	400	7,544	2	3,364	3,364	0.3	1426.9	0	30	0	
3 ZONE 3 - Toilet	75	869	0	448	448	0.0	2009.7	0	0	70	
4 ZONE 4 - Mechanical	150	4,539	1	1,744	1,744	0.1	1032.4	0	11	0	
5 ZONE 5 - Electrical	100	1,605	0	779	779	0.1	1540.1	0	8	0	
6 ZONE 6 - I.T.	150	2,408	1	1,169	1,169	0.1	1540.1	0	11	0	
7 ZONE 7 - Storage	150	3,341	1	1,457	1,457	0.1	823.6	0	8	0	
8 ZONE 8 - Toilet	75	869	0	448	448	0.0	2009.7	0	0	70	
9 ZONE 9 - Science Lab	925	51,312	15	37,380	44,112	3.7	251.6	24	508	925	
10 ZONE 10 - Toilet	75	869	0	448	448	0.0	2009.7	0	0	70	
11 ZONE 11 - Storage	100	1,605	0	779	779	0.1	1540.1	0	8	0	
12 ZONE 12 - Health Occupations Lab	1075	52,844	15	33,984	41,557	3.5	310.4	27	579	1075	
13 ZONE 13 - Storage	100	1,605	0	779	779	0.1	1540.1	0	8	0	
14 ZONE 14 - Toilet	75	869	0	448	448	0.0	2009.7	0	0	70	
15 ZONE 15 - Training Lab 3	925	48,391	14	36,381	43,113	3.6	257.5	24	508	925	
16 ZONE 16 - Receiving	225	16,754	5	5,008	5,008	0.4	539.2	0	17	0	
17 ZONE 17 - Cooler	200	2,816	1	1,278	1,278	0.1	1677.6	0	0	0	
18 ZONE 18 - Training Lab 2	1475	105,436	31	50,128	63,592	5.3	278.3	48	803	0	
19 ZONE 19 - Storage	175	2,809	1	1,364	1,364	0.1	1540.1	0	13	0	
20 ZONE 20 - Toilet Rooms	275	3,185	1	1,642	1,642	0.1	2009.7	0	0	280	
21 ZONE 21 - Corridor	600	11,002	3	5,405	5,405	0.5	1332.0	0	45	0	
22 ZONE 22 - Vestibule	150	6,479	2	10,548	10,548	0.9	170.7	0	11	0	
23 ZONE 23 - Director	150	6,790	2	8,711	8,991	0.7	200.2	1	18	0	
24 ZONE 24 - Office	100	2,080	1	2,173	2,453	0.2	489.2	1	14	0	
25 ZONE 25 - Reception	325	8,941	3	7,324	10,129	0.8	385.0	10	87	0	
26 ZONE 26 - Testing	350	14,658	4	21,076	26,125	2.2	160.8	18	139	0	
27 ZONE 27 - Work Room	150	2,780	1	2,540	2,820	0.2	638.2	1	18	0	
28 ZONE 28 - Storage	75	1,204	0	584	584	0.0	1540.1	0	6	0	
29 ZONE 29 - Shared Offices	550	19,933	6	23,464	25,147	2.1	262.5	6	79	0	
30 ZONE 30 - Conference	300	14,916	4	15,153	19,360	1.6	185.9	15	116	0	
31 ZONE 31 - Storage	125	2,007	1	974	974	0.1	1540.1	0	9	0	
32 ZONE 32 - Catering	125	3,310	1	3,025	3,305	0.3	453.8	1	31	0	
33 ZONE 33 - Flex Space	1225	66,940	19	54,318	71,709	6.0	205.0	62	479	0	
34 ZONE 34 - Flex Classroom	850	45,323	13	35,618	44,033	3.7	231.6	30	503	0	
35 ZONE 35 - Classroom	525	29,235	9	25,751	31,080	2.6	202.7	19	316	0	
36 ZONE 36 - Classroom	525	29,235	9	25,706	31,035	2.6	203.0	19	316	0	
37 ZONE 37 - Classroom	825	48,835	14	39,540	47,674	4.0	207.7	29	486	0	
38 ZONE 38 - Student Lounge	600	20,001	6	9,794	11,477	1.0	627.3	6	83	0	
39 ZONE 39 - Corridor	1550	24,881	7	12,077	12,077	1.0	1540.1	0	116	0	
40 ZONE 40 - Restrooms	375	4,344	1	2,239	2,239	0.2	2009.7	0	0	420	
41 ZONE 41 - Vestibule	75	3,656	1	5,690	5,690	0.5	158.2	0	6	0	
42 ZONE 42 - Custodian	125	3,691	1	1,362	1,362	0.1	1101.7	0	9	0	
43 ZONE 43 - Storage	175	3,575	1	1,547	1,547	0.1	1357.8	0	13	0	
Total Loads =	**19525**	**844,399**	**247**	**597,310**	**669,790**	**55.8**	**350**	**401**	**5410**	**6155**	

Energy Compliance Calculations *(Not Equipment Schedule)*
Equipment is selected based on next available size
Load calculations based on ASHRAE CLTD/CLF - Cooling Load Temperature Difference/Cooling Load Factor Methods

COM*check* Software Version 4.1.5.5

Mechanical Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: CSI Jerome Training Center
Location: Boise, Idaho
Climate Zone: 5b
Project Type: New Construction

Construction Site:
311 North Lincoln Ave
Jerome, ID 83338

Owner/Agent:

Designer/Contractor:
Musgrove Engineering
234 S Whisperwood Way
Boise, ID 83709
208-384-0585

Additional Efficiency Package(s)

Credits: 1.0 Required 0.0 Proposed

Mechanical Systems List

Quantity — System Type & Description

3 HVAC System 1 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 67 kBtu/h
Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE
Cooling: 1 each - Single Package DX Unit, Capacity = 31 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER
Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 1 Supply, Constant Volume, 1200 CFM, 0.3 motor nameplate hp, 80.0 fan efficiency grade

1 HVAC System 2 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h
Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE
Cooling: 1 each - Single Package DX Unit, Capacity = 41 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER
Fan System: FAN SYSTEM 2 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 2 Supply, Constant Volume, 1600 CFM, 0.7 motor nameplate hp, 80.0 fan efficiency grade

2 HVAC System 3 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 110 kBtu/h
Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE
Cooling: 1 each - Single Package DX Unit, Capacity = 54 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER
Fan System: FAN SYSTEM 3 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 3 Supply, Constant Volume, 2000 CFM, 1.0 motor nameplate hp, 80.0 fan efficiency grade

1 HVAC System 4 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 150 kBtu/h
Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE
Cooling: 1 each - Single Package Vertical AC Unit, Capacity = 67 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.00 EER, Required Efficiency: 8.90 EER
Fan System: FAN SYSTEM 4 -- Compliance (Motor nameplate HP method) : Passes
Fans:

Quantity — System Type & Description

FAN 4 Supply, Constant Volume, 2400 CFM, 1.2 motor nameplate hp, 80.0 fan efficiency grade

1 HVAC System 5 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 125 kBtu/h
Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE
Cooling: 1 each - Single Package DX Unit, Capacity = 78 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.20 EER, Required Efficiency: 11.00 EER + 12.6 IEER
Fan System: FAN SYSTEM 5 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 5 Supply, Constant Volume, 3000 CFM, 1.3 motor nameplate hp, 80.0 fan efficiency grade

1 HVAC System 6 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 180 kBtu/h
Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE
Cooling: 1 each - Single Package DX Unit, Capacity = 92 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.20 EER, Required Efficiency: 11.00 EER + 12.6 IEER
Fan System: FAN SYSTEM 6 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 6 Supply, Constant Volume, 3400 CFM, 1.3 motor nameplate hp, 80.0 fan efficiency grade

1 HVAC System 7 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 250 kBtu/h
Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et
Cooling: 1 each - Single Package DX Unit, Capacity = 113 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.00 EER, Required Efficiency: 11.00 EER + 12.6 IEER
Fan System: FAN SYSTEM 7 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 7 Supply, Constant Volume, 4000 CFM, 1.9 motor nameplate hp, 80.0 fan efficiency grade

2 HVAC System 8 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 255 kBtu/h
Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et
Cooling: 1 each - Single Package DX Unit, Capacity = 89 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 13.60 EER, Required Efficiency: 11.00 EER + 12.6 IEER
Fan System: FAN SYSTEM 8 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 8 Supply, Constant Volume, 2400 CFM, 2.0 motor nameplate hp, 80.0 fan efficiency grade

1 HVAC System 9 (Single Zone):
Heating: 1 each - Central Furnace, Gas, Capacity = 130 kBtu/h
Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE
Cooling: 1 each - Single Package DX Unit, Capacity = 70 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.90 EER, Required Efficiency: 11.00 EER + 12.6 IEER
Fan System: FAN SYSTEM 9 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 9 Supply, Constant Volume, 2000 CFM, 2.0 motor nameplate hp, 80.0 fan efficiency grade

1 HVAC System 10 (Single Zone):
Cooling: 1 each - Split System, Capacity = 31 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer exception: None
Proposed Efficiency = 17.50 SEER, Required Efficiency: 13.00 SEER
Fan System: FAN SYSTEM 10 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 10 Supply, Constant Volume, 890 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade

2 HVAC System 11 (Single Zone):
Heating: 1 each - Other, Electric, Capacity = 7 kBtu/h
No minimum efficiency requirement applies
Fan System: FAN SYSTEM 11 -- Compliance (Motor nameplate HP method) : Passes
Fans:

Quantity — System Type & Description

FAN 11 Supply, Constant Volume, 600 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade

1 HVAC System 12 (Single Zone):
Heating: 1 each - Other, Electric, Capacity = 10 kBtu/h
No minimum efficiency requirement applies
Fan System: FAN SYSTEM 11 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 11 Supply, Constant Volume, 600 CFM, 0.1 motor nameplate hp, 80.0 fan efficiency grade

1 HVAC System 13 (Single Zone):
Heating: 1 each - Unit Heater, Gas, Capacity = 300 kBtu/h
Proposed Efficiency = 83.00% Ec, Required Efficiency: 80.00 % Ec
Fan System: FAN SYSTEM 12 -- Compliance (Motor nameplate HP method) : Passes
Fans:
FAN 12 Supply, Constant Volume, 3834 CFM, 0.5 motor nameplate hp, 80.0 fan efficiency grade

1 Water Heater 1:
Gas Storage Water Heater, Capacity: 100 gallons, Input Rating: 199 kBtu/h w/ Circulation Pump
Proposed Efficiency: 90.00 % Et, Required Efficiency: 80.00 % Et

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COM*check* Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Joe Davies — Name - Title
Signature
08/28/24 — Date

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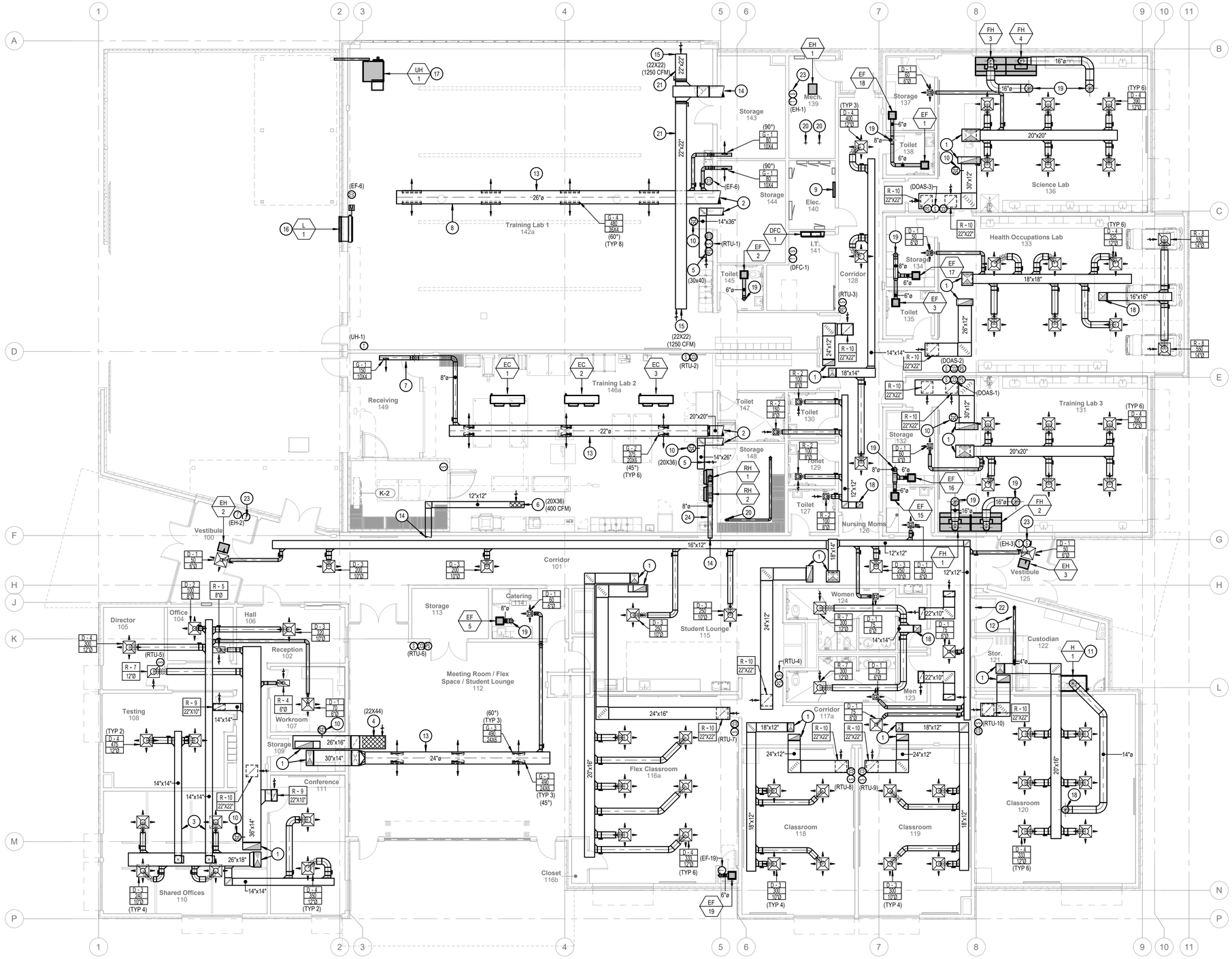
MECHANICAL ZONE PLAN



1 HVAC FLOOR PLAN
1/8" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. ROUTE SUPPLY AND RETURN DUCTS UP THROUGH ROOF CURB. TRANSITION TO UNIT, AND CONNECT WITH FLEXIBLE CONNECTORS. PROVIDE TURNING VANES IN ELBOWS AND INTERNALLY INSULATE FIRST 15'-0" FROM ROOFTOP UNIT.
2. ROUTE SUPPLY AND RETURN DUCTS OUT SIDEWALL, TRANSITION TO UNIT, AND CONNECT WITH FLEXIBLE CONNECTORS. PROVIDE TURNING VANES IN ELBOWS AND INTERNALLY INSULATE FIRST 15'-0" FROM ROOFTOP UNIT. SEE ROOF PLAN FOR CONTINUATION OF DUCT ROUTING.
3. ROUTE SUPPLY DUCT UP INBETWEEN WEBBING OF STRUCUTRAL JOISTS. CONTRACTOR TO COORDINATE ROUTING AND LOCATION OF DUCTING WITH STRUCTURAL JOISTS.
4. CUT HOLE IN TOP OF DUCT AT SIZE INDICATED AND COVER WITH EXPANDED METAL MESH.
5. CUT HOLE IN SIDE OF DUCT AT SIZE INDICATED AND COVER WITH EXPANDED METAL MESH.
6. CUT HOLE IN TOP OF DUCT AT SIZE INDICATED AND COVER WITH EXPANDED METAL MESH. BALANCE TO CFM SPECIFIED.
7. ROUTE DUCT DOWN AT 11'-0" ABOVE FINISH FLOOR.
8. ROUTE CENTER OF DUCT AT 18-0"' ABOVE FINISH FLOOR.
9. LOCATION OF DDC CONTROL PANEL.
10. DUCT-MOUNTED SMOKE DETECTOR. SMOKE DETECTOR SHALL BE PROVIDED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.
11. INSTALL HOOD OVER OWNER PROVIDED CHEMICAL SYSTEM. COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT. SEE TYPE II HOOD DETAIL FOR REQUIREMENTS.
12. DRYER DUCT UP THROUGH ROOF. SEE CLOTHES DRYER INSTALLATION DETAIL FOR REQUIREMENTS.
13. SEE EXPOSED SPIRAL DUCT SUPPORT DETAIL.
14. DUCTWORK OUT SIDEWALL. SEE HVAC ROOF PLAN FOR CONTINUATION.
15. COVER END OF DUCT AT SIZE INDICATED AND COVER WITH EXPANDED METAL MESH. BALANCE TO CFM SPECIFIED.
16. MOUNT BOTTOM OF LOUVER AT 1'-0" ABOVE FINISH FLOOR.
17. ROUTE UNIT HEATER CONCENTRIC VENT OUT SIDEWALL. SEE UNIT HEATER CONCENTRIC VENT DETAIL.
18. ROUTE EXHAUST DUCT UP THROUGH ROOF TO ROOFTOP EXHAUST FAN. TRANSITION DUCT TO FAN INLET AND CONNECT TO FAN WITH FLEXIBLE CONNECTOR.
19. ROUTE EXHAUST DUCT UP THROUGH ROOF. SEE HVAC ROOF PLAN FOR CONTINUATION.
20. WATER HEATER CONCENTRIC VENT.
21. ROUTE CENTER OF DUCT AT 21'-0" ABOVE FINISH FLOOR.
22. MAKE UP AIR THROUGH DOOR LOUVER. SEE ARCHITECTURAL FOR DOOR REQUIREMENTS.
23. GENERAL SPACE TEMPERATURE MONITORING
24. ROUTE EXHUAST DUCTS FROM RANGE HOODS STACKED. ROUTE DUCTS HIGH IN SPACE BETWEEN STRUCTURAL JOISTS.

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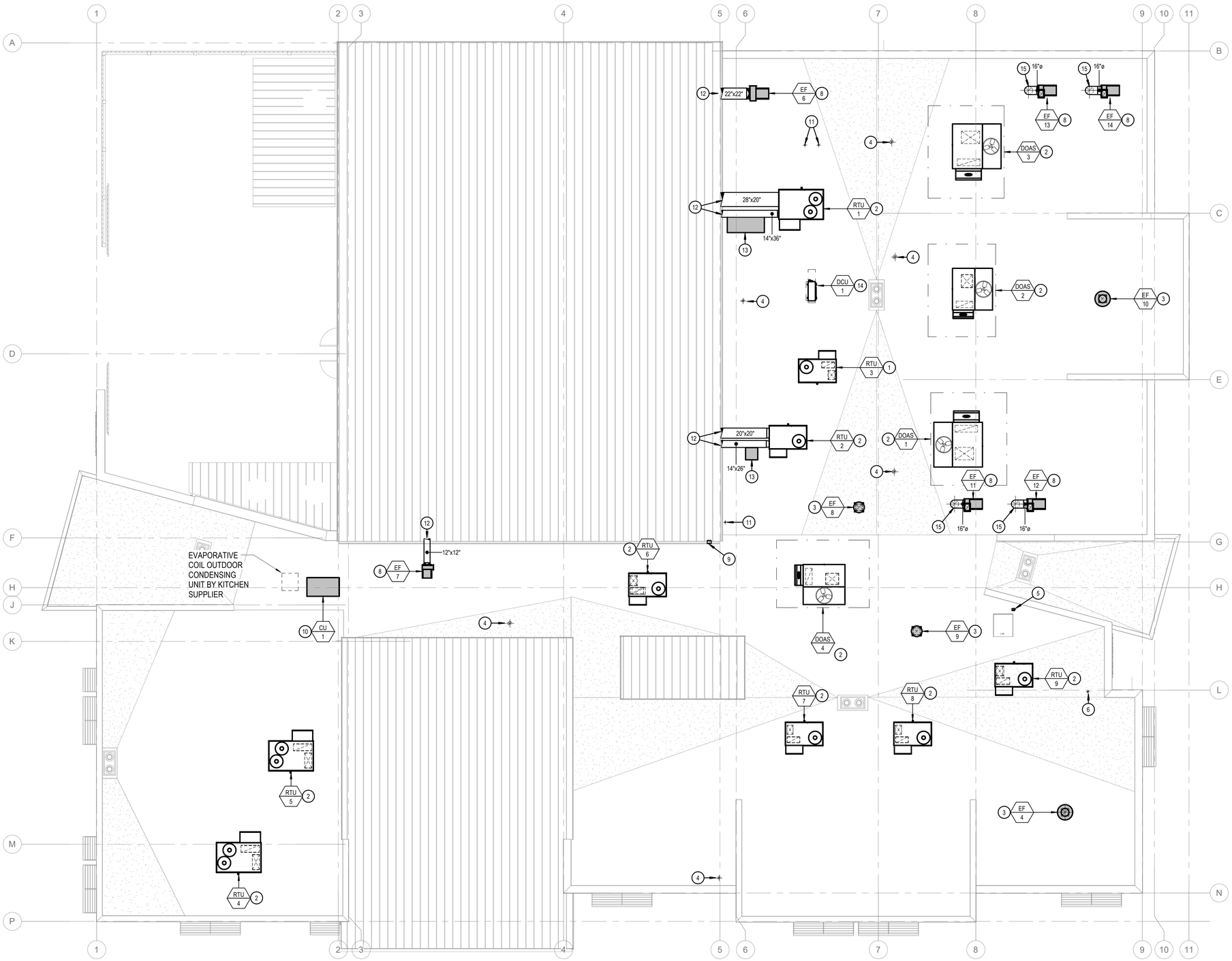
HVAC FLOOR PLAN



KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. SEE ROOFTOP UNIT CURB MOUNTING DETAIL.
2. SEE ROOFTOP UNIT SPRING ISOLATION CURB MOUNTING DETAIL.
3. SEE EXHAUST FAN MOUNTING DETAIL.
4. TERMINATE EXHAUST DUCT AT ROOF WITH MANUFACTURER'S ROOF CAP EQUAL TO COOF MODEL PR.
5. CLOTHES DRYER TERMINATION. SEE CLOTHES DRYER DETAIL FOR REQUIREMENTS.
6. VENT FROM OWNER PROVIDED CHEMICAL SYSTEM TO TERMINATE THROUGH ROOF. ENSURE TERMINATION IS 10' MINIMUM FROM ALL BUIDLING OUTSIDE AIR INTAKES.
8. SEE ROOFTOP EQUIPMENT CURB DETAIL FOR REQUIREMENTS MOUNTING EXHAUST FAN.
9. TERMINATE EXHAUST DUCT FROM RANGE HOOD WITH COOK WALL CAP WCG. PENETRATIONS TO BE STACKED ON WALL. ELEVATION TO MATCH SIMILAR TO WINDOW. FIELD COORDINATE FINAL ELEVATION.
10. SEE ROOFTOP EQUIPMENT CURB DETAIL FOR MOUNTING REQUIREMENTS. SEE PIPING THROUGH ROOF DETAIL FOR REFRIGERANT PIPING ROUTING.
11. WATER HEATER CONCENTRIC VENT TERMINATION. ENSURE INSTALLED MINIMUM 10'-0" FROM ALL BUILDING FRESH AIR INTAKES.
12. DUCTWORK TO ROUTE SIDEWALL INTO BUILDING. SEE HVAC FLOOR PLANS FOR CONTINUATION.
13. DUCT MOUNTED POWER EXHAUST.
14. ROUTE REFRIGERANT LINES TO CORRESPONDING INDOOR UNIT PER MANUFACTURER'S RECOMMENDATIONS. SEE CONDENSING UNIT PLATFORM DETAIL AND PIPING TRHOUGH ROOF DETAIL.
15. SEE DUCT THROUGH ROOF CURB DETAIL.

1 HVAC ROOF PLAN
1/8" = 1'-0"

NORTH

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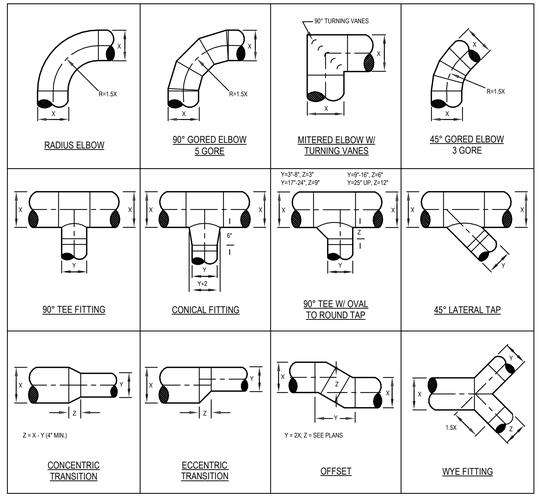
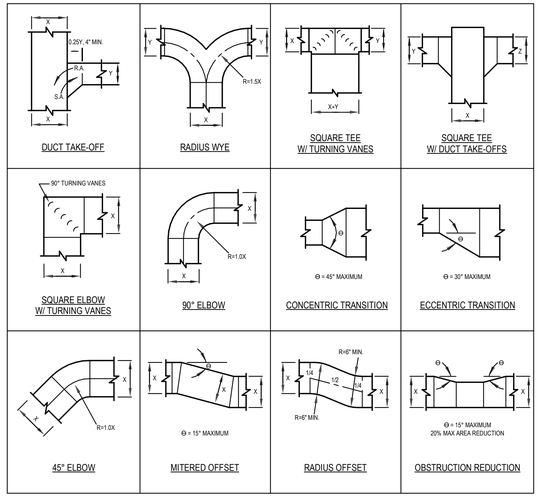
HVAC ROOF PLAN



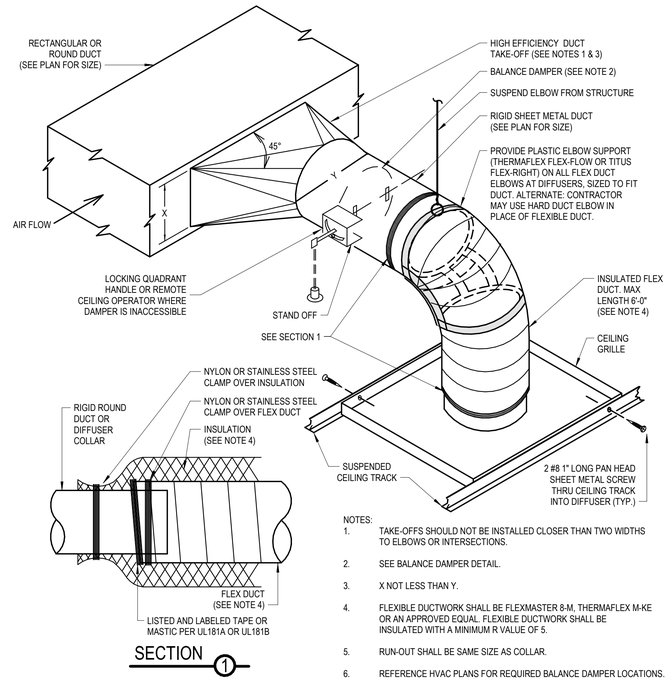
NOTE:
1. ALL DUCTWORK TRANSITIONS SHALL BE CONSTRUCTED AND INSTALLED TO SMACNA, SPECIFICATIONS, AND THE ABOVE NOTED STANDARDS. ANY DEVIATIONS SHALL BE COORDINATED WITH THE ENGINEER.

1 ROUND DUCT FITTING DETAILS
NTS



NOTE:
1. ALL DUCTWORK TRANSITIONS SHALL BE CONSTRUCTED AND INSTALLED TO SMACNA, SPECIFICATIONS AND THE ABOVE NOTED STANDARDS. ANY DEVIATIONS SHALL BE COORDINATED WITH THE ENGINEER.

2 RECTANGULAR DUCT FITTING DETAILS
NTS

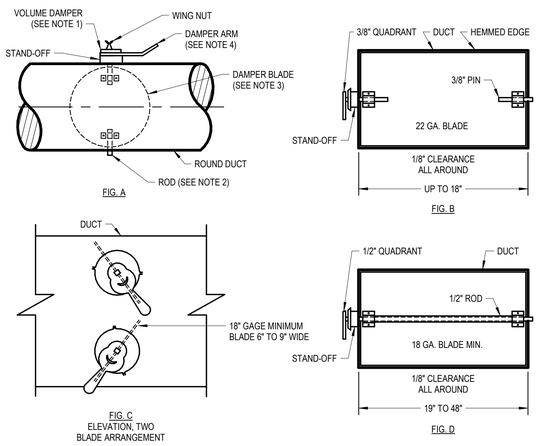


SECTION 1

NOTES:
1. TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS.
2. SEE BALANCE DAMPER DETAIL.
3. X NOT LESS THAN Y.
4. FLEXIBLE DUCTWORK SHALL BE FLEXMASTER 8-M, THERMAFLEX M-KE OR AN APPROVED EQUAL. FLEXIBLE DUCTWORK SHALL BE INSULATED WITH A MINIMUM R VALUE OF 5.
5. RUN-OUT SHALL BE SAME SIZE AS COLLAR.
6. REFERENCE HVAC PLANS FOR REQUIRED BALANCE DAMPER LOCATIONS.

3 DUCT TAKEOFF DETAIL - HIGH EFFICIENT
NTS

NOTES:
1. FOR TAKE-OFFS LARGER THAN 12" DIAMETER, USE A FACTORY MANUFACTURED DAMPER. LOUVERS & DAMPERS, INC. MODEL CD-600 WITH A LOCKING HAND QUADRANT OR EQUAL.
2. ROD CONTINUOUS ON 2" W.G. CLASS AND ON ALL DAMPERS OVER 12" DIAMETER.
3. BLADE 22 GAGE MIN., BUT NOT LESS THAN TWO GAGES MORE THAN THE DUCT GAGE.
4. PROVIDE REMOTE CEILING OPERATOR WHERE DAMPER IS INACCESSIBLE.
5. FOR DUCTS OVER 12" HIGH USE MULTIPLE BLADE DAMPERS (SEE FIG. C).
6. ALTERNATE MANUFACTURERS INCLUDE: AMERICAN WARMING, SAFE-AIR/DOWCO, J&J, LOUVERS & DAMPERS, RUSKIN, NAILOR, ARROW UNITED, POTTORFF, & CESCO.
7. PROVIDE STAND-OFF FOR DAMPER ARMS LOCATED W/EXTERNAL INSULATION.



4 BALANCE DAMPER DETAIL
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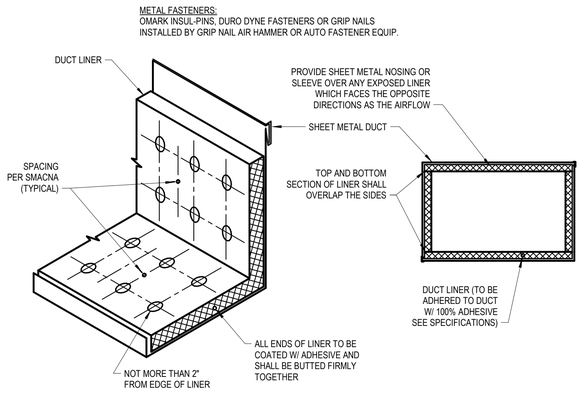
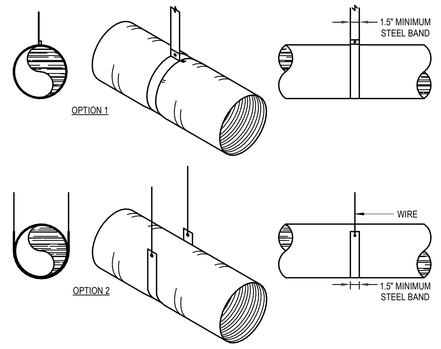


5 DUCT LINER DETAIL
NTS



NOTES:
1. SUPPORT SYSTEM SHALL NOT DAMAGE, CRIMP, OR INHIBIT DUCT FREE AREA IN ANY WAY.
2. FLEXIBLE DUCT MUST NOT EXCEED 6'-0" FROM CONNECTION TO TERMINATION.
3. MAXIMUM LENGTH BETWEEN SUPPORTS MUST NOT EXCEED 3'-0" ON CENTER.
4. ATTACH BANDS OR WIRES TO SUPPORT STRUCTURE ABOVE.
5. FLEXIBLE DUCTWORK SHALL BE FLEXMASTER 1-M OR APPROVED EQUAL.
6. FLEXIBLE DUCTWORK SHALL BE INSULATED WITH A MINIMUM R-VALUE OF 6.0.
7. FLEXIBLE DUCTWORK IS FOR INDOOR USE ONLY. DO NOT INSTALL OR STORE PRODUCT WHERE EXPOSURE TO DIRECT SUNLIGHT CAN OCCUR. PROLONGED EXPOSURE TO SUNLIGHT MAY CAUSE DETERIORATION OF VAPOR BARRIER.
8. TERMINAL DEVICES SHALL BE SUPPORTED INDEPENDENTLY OF THE FLEXIBLE DUCTWORK.
9. REPAIR TURN OR DAMAGED VAPOR BARRIER/JACKET WITH DUCT TAPE LISTED AND LABELED TO UL 181B. IF INTERNAL CORE IS PENETRATED, REPLACE FLEXIBLE DUCTWORK.
10. AVOID BENDING DUCT ACROSS SHARP CORNERS OR INCIDENTAL CONTACT WITH METAL FIXTURES, PIPES, OR CONDUITS.
11. FLEXIBLE DUCTWORK SHALL NOT BE INSTALLED WITHIN 4 INCHES OF HOT EQUIPMENT (FURNACES, BOILERS, STEAM PIPES, ETC.) THAT IS ABOVE 250°F.
12. FLEXIBLE DUCTWORK SHALL NOT BE INSTALLED IN CONCRETE, BURIED BELOW GRADE, OR IN CONTACT WITH THE GROUND.
13. DO NOT INSTALL FLEXIBLE DUCTWORK IN EXPOSED CEILING AREA.

6 FLEXIBLE DUCT SUPPORT DETAIL
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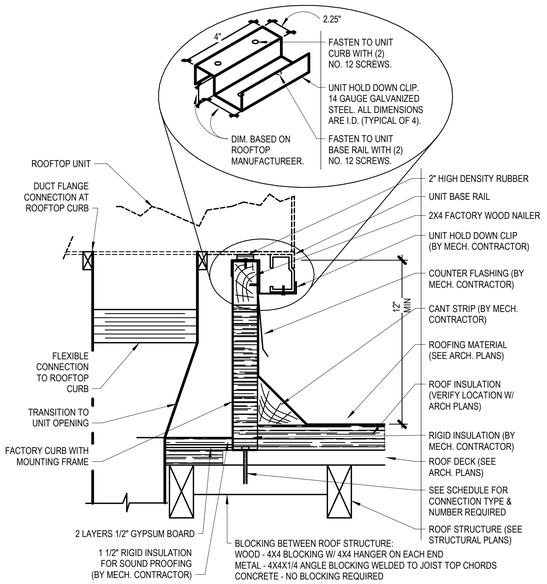
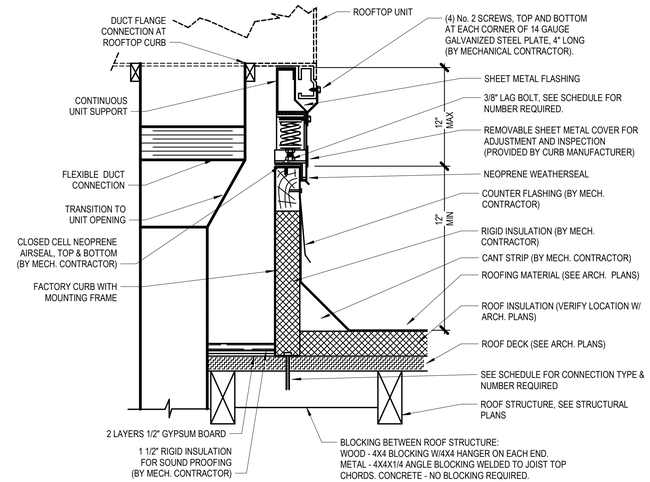
HVAC DETAILS



CURB TO ROOF CONNECTION SCHEDULE					
NOMINAL ROOFTOP UNIT CAPACITY	MAX. WEIGHTS	TOTAL LATERAL FORCE (Fp)	NO. & TYPE OF CONNECTION (EQUALLY SPACED)		
			ROOF STRUCTURE TYPE		
			METAL	WOOD	CONCRETE
3-6 TONS	750 LBS	810 LBS	(4) 1/2" LAG BOLT	(4) 1/2" LAG BOLT	(4) 3/8" EXPANSION BOLT

COMPLIES WITH THE INTERNATIONAL BUILDING CODE

1 ROOFTOP UNIT MOUNTING DETAIL
NTS

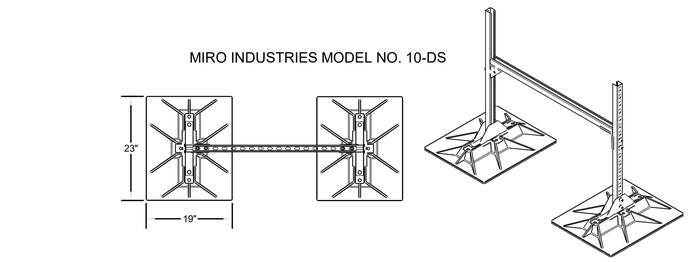


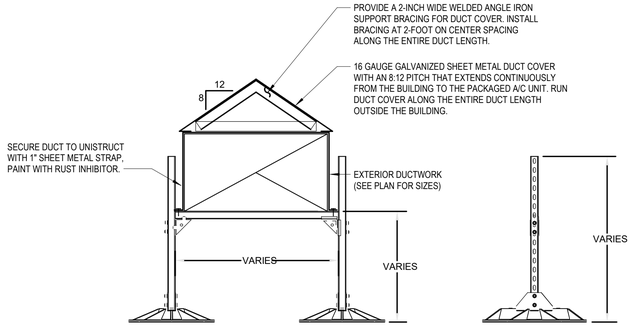
CURB TO ROOF CONNECTION SCHEDULE					
NOMINAL ROOFTOP UNIT CAPACITY	MAX. WEIGHTS	TOTAL LATERAL FORCE (Fp)	NO. & TYPE OF CONNECTION (EQUALLY SPACED)		
			ROOF STRUCTURE TYPE		
			METAL	WOOD	CONCRETE
7-8 TONS	1050 LBS	1135 LBS	(6) 1/2" LAG BOLT	(6) 1/2" LAG BOLT	(6) 3/8" EXPANSION BOLT
10-12 TONS	1300 LBS	1405 LBS	(8) 1/2" LAG BOLT	(8) 1/2" LAG BOLT	(8) 3/8" EXPANSION BOLT
15-18 TONS	2500 LBS	2700 LBS	(14) 1/2" LAG BOLT	(14) 1/2" LAG BOLT	(14) 3/8" EXPANSION BOLT
20-25 TONS	2800 LBS	3025 LBS	(16) 1/2" LAG BOLT	(16) 1/2" LAG BOLT	(16) 3/8" EXPANSION BOLT

COMPLIES WITH THE INTERNATIONAL BUILDING CODE

MANUFACTURER SHALL PROVIDE CALCULATIONS FOR THE CURB MOUNTED SPRING RAIL SHOWING COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE (LATEST ADOPTED EDITION).

2 ROOFTOP UNIT - CURB MOUNTED SPRING RAIL DETAIL
NTS





3 ROOFTOP MOUNTED DUCT SUPPORT DETAIL
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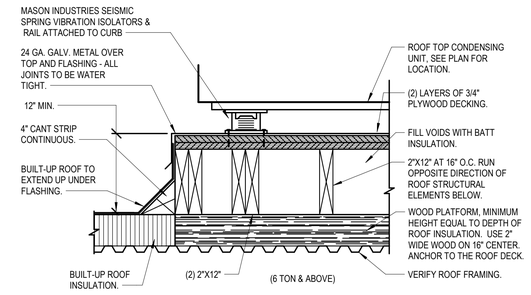

4 ROOFTOP EQUIPMENT CURB PLATFORM DETAIL
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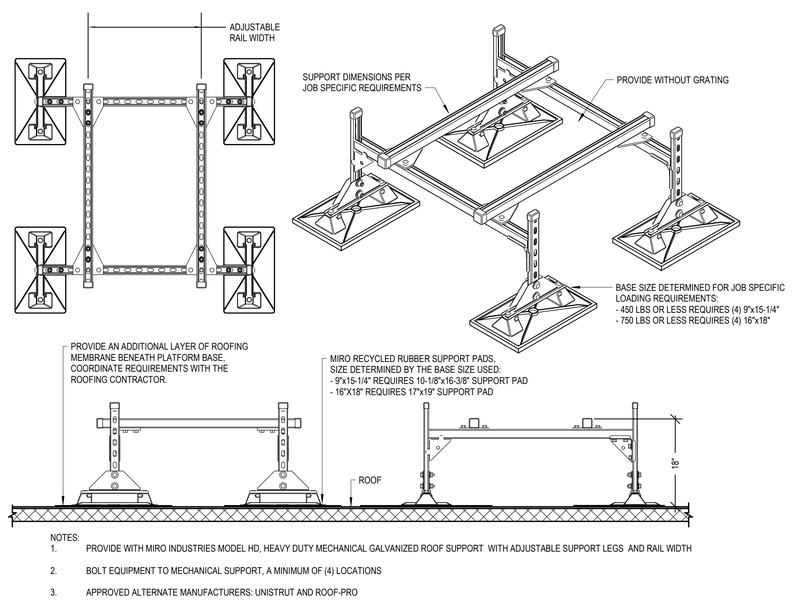
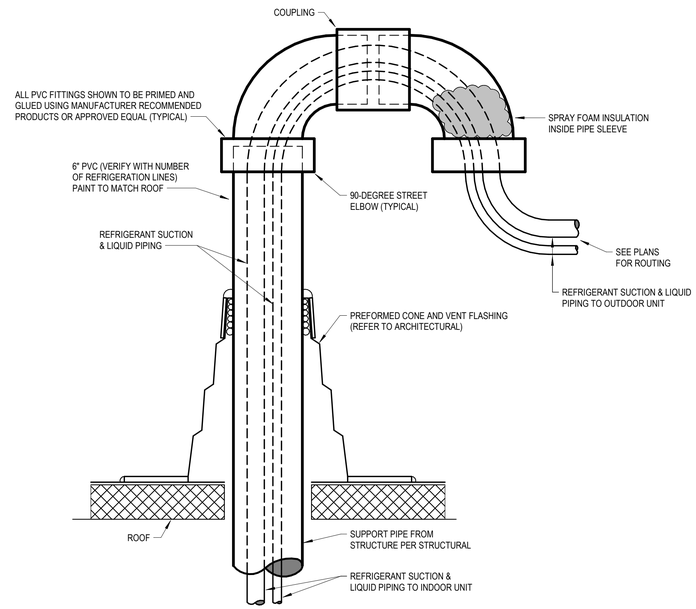


NOTES:
1. PROVIDE WITH MIRO INDUSTRIES MODEL HD, HEAVY DUTY MECHANICAL GALVANIZED ROOF SUPPORT WITH ADJUSTABLE SUPPORT LEGS AND RAIL WIDTH
2. BOLT EQUIPMENT TO MECHANICAL SUPPORT, A MINIMUM OF (4) LOCATIONS
3. APPROVED ALTERNATE MANUFACTURERS: UNISTRUT AND ROOF-PRO

5 ROOFTOP CONDENSING UNIT PLATFORM DETAIL
NTS

(DCU-1)



6 TYPICAL PIPING THROUGH ROOF DETAIL
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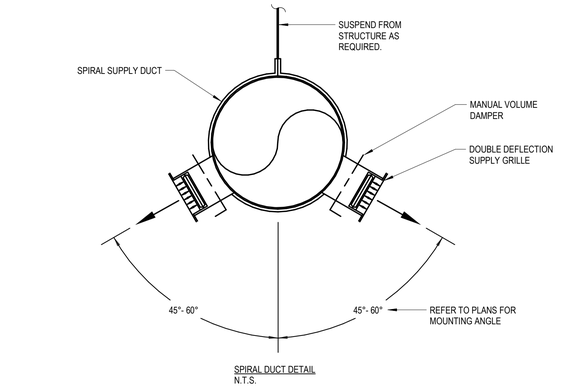
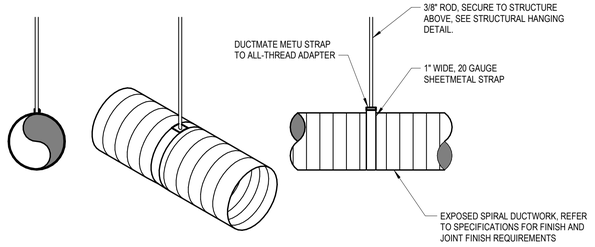
HVAC DETAILS



SPIRAL DUCT DETAIL
N.T.S.



1 SPIRAL DUCT SUPPORT DETAIL (EXPOSED)
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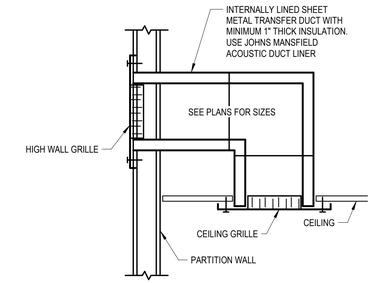
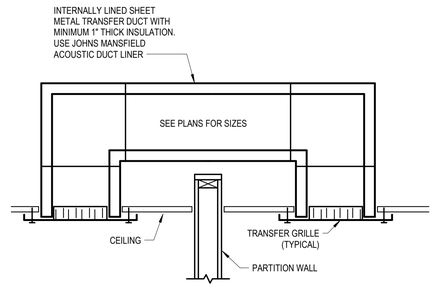


OPTION 1



OPTION 2

2 TRANSFER DUCT DETAIL
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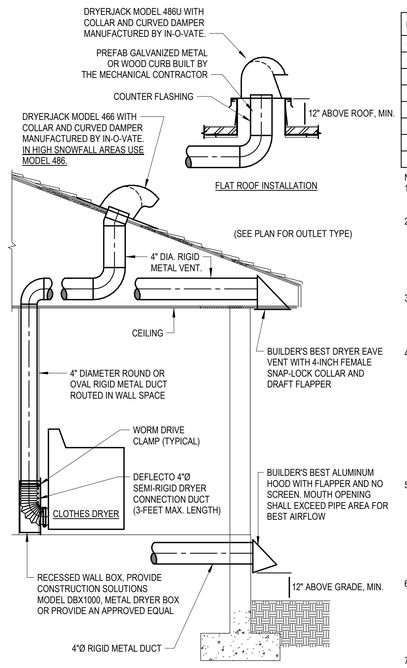

3 CLOTHES DRYER INSTALLATION DETAIL
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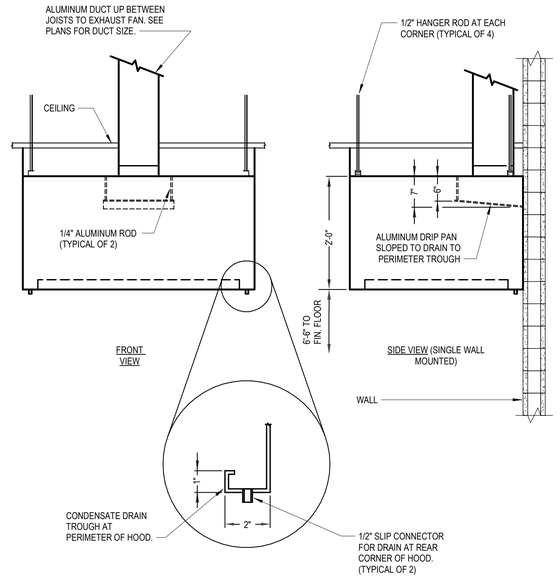
TABLE 504.6.4.1
DRYER EXHAUST DUCT FITTING EQUIVALENT LENGTH

DRYER EXHAUST DUCT FITTING TYPE	EQUIVALENT LENGTH
4" RADIUS MITERED 45-DEGREE ELBOW	2 FEET 6 INCHES
4" RADIUS MITERED 90-DEGREE ELBOW	5 FEET
6" RADIUS SMOOTH 45-DEGREE ELBOW	1 FEET
6" RADIUS SMOOTH 90-DEGREE ELBOW	1 FEET 9 INCHES
8" RADIUS SMOOTH 45-DEGREE ELBOW	1 FEET
8" RADIUS SMOOTH 90-DEGREE ELBOW	1 FEET 7 INCHES
10" RADIUS SMOOTH 45-DEGREE ELBOW	9 INCHES
10" RADIUS SMOOTH 90-DEGREE ELBOW	1 FEET 6 INCHES

NOTES:

1. EACH VERTICAL RISER SHALL BE PROVIDED WITH A MEANS FOR CLEANOUT.
2. THE SPECIFIED MAXIMUM LENGTH OF THE EXHAUST DUCT SHALL BE 35 FEET FROM THE CONNECTION TO THE TRANSITION DUCT FROM THE DRYER TO THE OUTLET TERMINAL. WHERE FITTINGS ARE USED, THE MAXIMUM LENGTH OF EXHAUST DUCT SHALL BE REDUCED IN ACCORDANCE WITH TABLE 504.6.4.1.
3. EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF METAL A MINIMUM 0.016 INCH (0.4 MM) THICK. THE EXHAUST DUCT SIZE SHALL BE 4-INCHES IN DIAMETER.
4. DRYER EXHAUST DUCTS FOR CLOTHES DRYERS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING AND SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER. SCREENS SHALL NOT BE INSTALLED AT THE DUCT TERMINATION. DUCTS SHALL NOT BE CONNECTED OR INSTALLED WITH SHEET METAL SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE EXHAUST FLOW. CLOTHES DRYER EXHAUST DUCTS SHALL NOT BE CONNECTED TO A VENT CONNECTOR, VENT OR CHIMNEY. CLOTHES DRYER EXHAUST DUCTS SHALL NOT EXTEND INTO OR THROUGH DUCTS OR PLENUMS.
5. INSTALL DRYER VENT TERMINATION PER THE MANUFACTURER'S RECOMMENDATIONS. THE EXHAUST DUCT LENGTH CAN EXCEED THE 35-FEET SPECIFIED LENGTH IF APPROVED BY THE DRYER MANUFACTURER. WHERE THE EXHAUST DUCT EQUIVALENT LENGTH EXCEEDS 35 FEET, THE EQUIVALENT LENGTH OF THE EXHAUST DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG.
6. IF INSTALLED DRYER DUCT IS OVER MAXIMUM 35 FEET EQUIVALENT LENGTH WITHOUT APPROVAL FROM DRYER MANUFACTURER CONTRACTOR MUST INSTALL A BOOSTER FAN IN THE DRYER DUCT. BOOSTER FAN TO BE PROVIDED WITH SECONDARD LINT TRAP PRIOR TO BOOSTER FAN.
7. DRYER DUCTS LOCATED IN UNHEATED SPACES, SUCH AS ATTICS, CRAWL SPACES, UNHEATED BASEMENTS, AND UNHEATED GARAGES OR IN AREAS ABOVE UNHEATED OR EXTERIOR CONDITIONS, SHALL BE INSULATED; SEE SPECIFICATIONS FOR INSULATION R-VALUE REQUIREMENTS.



NOTES:

1. HOODS SHALL BE CONSTRUCTED OF 16 GAUGE ALUMINUM.
2. PROVIDE ALUMINUM SHEET METAL CLOSURE BETWEEN HOOD AND CEILING.
3. HOOD SHALL OVERHANG CHEMICAL STATION 12" ON ALL OPEN SIDES. SEE PLANS FOR HOOD SIZE.

6 TYPE II HOOD (SINGLE WALL MOUNTED)
NTS

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Project No. 23-319

PROFESSIONAL ENGINEER REGISTERED 13317 11/5/2024 STATE OF IDAHO JASON A. RICE

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

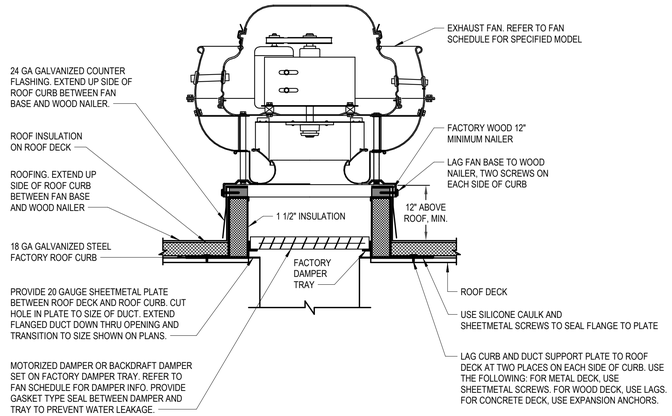
DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: JAD
CHECKED BY: JR

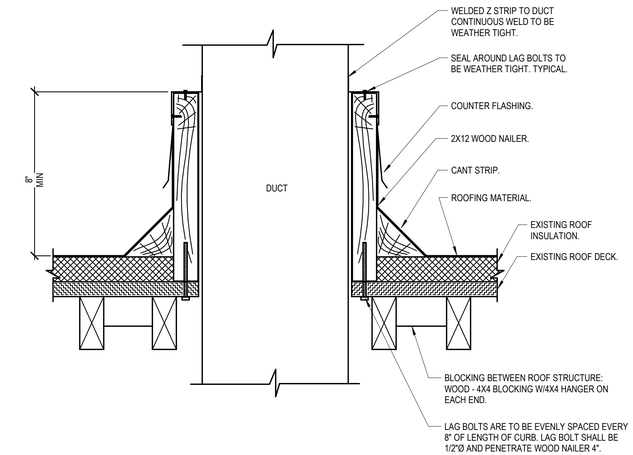
BID SET

DRAWING NO.:

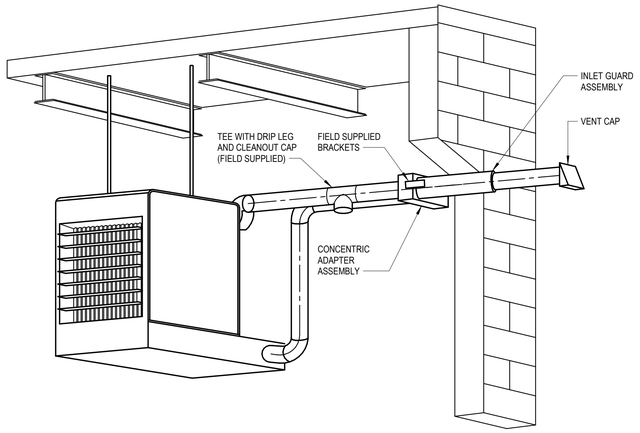
M3.2
HVAC DETAILS



1 EXHAUST FAN MOUNTING DETAIL
NTS



2 DUCT THROUGH ROOF CURB DETAIL
NTS



3 UNIT HEATER CONCENTRIC VENT DETAIL
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4 CONCENTRIC VENT DETAIL
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M3.3
HVAC DETAILS

PACKAGED AIR CONDITIONING SCHEDULE

SYMBOL	AREA SERVED	NOM. TONS	SUPPLY FAN				COOLING CAPACITY 95°OSA, 80°EDB, 62°EWB			GAS HEATING CAPACITY		RTU ELECTRICAL			ELECTRICAL POWER EXHAUST				OSA CFM	MIN. SEER	OPER. WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
			CFM	ESP	BRAKE HP	DRIVE	STAGES	TOTAL MBH	SENS. MBH	INPUT MBH	OUTPUT MBH	MCA	MOCP	V/Ø	STATIC	MCA	MOCP	V/Ø					
RTU-1	TRAINING LAB 1	10	4000	0.6	1.94	DIRECT ECM	2	117	113.4	250	205	45	60	208/3	0.3	11.9	21.4	208/3	1000	(11.0)	1600	CARRIER 48FC12 STANDARD EFFICIENCY	1 , 2 , 4 , 5 , 7 , 8
RTU-2	TRAINING LAB 2	6	2400	0.6	1.24	DIRECT ECM	2	66.9	66.5	150	120	32	45	208/3	0.3	4.8	8.6	208/3	815	(11)	1300	CARRIER 48FC07 STANDARD EFFICIENCY	1 , 2 , 4 , 5 , 6 , 8
RTU-3	CORRIDOR	3	1200	0.6	0.34	DIRECT ECM	1	30.9	29.9	67	54	18	25	208/3	0.3	2.9	5.2	208/3	150	14	1100	CARRIER 48FC04 STANDARD EFFICIENCY	1 , 2 , 3 , 5 , 6
RTU-4	OFFICES / TESTING / CONFERENCE	8.5	3400	0.6	1.32	DIRECT ECM	2	94.4	92.1	180	148	41	50	208/3	0.3	4.8	8.6	208/3	500	(11.2)	1600	CARRIER 48FC09 STANDARD EFFICIENCY	1 , 2 , 4 , 5 , 6
RTU-5	FLEX SPACE	7.5	3000	0.6	1.26	DIRECT ECM	2	81.7	78.4	125	103	39	50	208/3	0.3	8	14.4	208/3	500	(11.2)	1500	CARRIER 48FC08 STANDARD EFFICIENCY	1 , 2 , 4 , 5 , 7 , 8
RTU-6	FLEX CLASSROOM	5	2000	0.6	1.02	DIRECT ECM	1	53.7	53.7	110	88	29	40	208/3	0.3	2.9	5.2	208/3	525	14	1200	CARRIER 48FC06 STANDARD EFFICIENCY	1 , 2 , 4 , 5 , 6 , 8
RTU-7	CLASSROOM	3	1200	0.6	0.34	DIRECT ECM	1	30.9	29.9	67	54	18	25	208/3	0.3	2.9	5.2	208/3	325	14	1100	CARRIER 48FC04 STANDARD EFFICIENCY	1 , 2 , 4 , 5 , 6 , 8
RTU-8	CLASSROOM	3	1200	0.6	0.34	DIRECT ECM	1	30.9	29.9	67	54	18	25	208/3	0.3	2.9	5.2	208/3	325	14	1100	CARRIER 48FC04 STANDARD EFFICIENCY	1 , 2 , 4 , 5 , 6 , 8
RTU-9	CLASSROOM	5	2000	0.6	1.02	DIRECT ECM	1	53.7	53.7	110	88	29	40	208/3	0.3	2.9	5.2	208/3	500	14	1200	CARRIER 48FC06 STANDARD EFFICIENCY	1 , 2 , 4 , 5 , 6 , 8

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: TRANE, AAON, LENNOX, DAIKIN, AND YORK.
2. PROVIDE WITH INTERNAL SAFETIES ONLY. ALL CONTROLS TO BE FIELD APPLIED BY CONTROLS CONTRACTOR. PROVIDE UNIT WITH SEVEN-DAY PROGRAMMABLE AUTO-CHANGEOVER WITH 5 DEGREE DEADBAND, ADAPTIVE INTELLIGENT AUTOMATIC START/ CONTROL, 3 STAGE HEAT, 2 STAGE COOLING THERMOSTAT HONEYWELL VISIONPRO MODEL TH8321R1001 WITH ECONOMIZER FAULT DETECTION. THERMOSTAT SHALL BE POWERED BY A 24VAC WIRE CONNECTION.
3. PROVIDE UNIT WITH MANUFACTURER'S 24" ROOF CURB (SEE DETAIL FOR SEISMIC RESTRAINTS), SEE ROOFTOP UNIT DETAIL FOR MIN. CLEARANCE TO ROOF. PROVIDE WITH 2" PLEATED MERV 8 FILTER AND FILTER RACK WITH 4 EXTRA SETS. PROVIDE AND FIELD INSTALL HAIL GUARDS, FLUE EXTENDER, HIGH ALTITUDE KIT, HINGED ACCESS PANELS, THRU-THE-BOTTOM OF CURB ELECTRICAL CONNECTION KIT.
4. PROVIDE UNIT WITH MANUFACTURER'S 24" ROOF CURB, MICROMETL WELDED SPRING ISOLATION CURB (SEE DETAIL FOR SEISMIC RESTRAINTS), SEE ROOFTOP UNIT DETAIL FOR MIN. PROVIDE WITH 2" PLEATED MERV 8 FILTER AND FILTER RACK WITH 4 EXTRA SETS. PROVIDE AND FIELD INSTALL HAIL GUARDS, FLUE EXTENDER, HIGH ALTITUDE KIT HINGED ACCESS PANELS, THRU-THE-BOTTOM OF CURB ELECTRICAL CONNECTION KIT.
5. MAXIMUM "A-WEIGHTED" SUPPLY AIR SOUND RATINGS FOR UNITS 2-18 TONS = 95 DB @ 125 HZ, 90 DB @ 250 HZ, PER ARI STANDARDS 270 & 370.
6. PROVIDE WITH CONSTANT FLOW - MICROMETL GEAR DRIVEN INTEGRATED DRY BULB ECONOMIZER WITH BELIMO LOGIC ACTUATORS, MICROMETL CENTRIFUGAL POWER EXHAUST WITH WIRING HARNESS AND JADE CONTROLLER (USE JADE ONLY FOR STANDALONE TSTAT). ELECTRICAL CONTRACTOR TO PROVIDE THE POWER CONNECTION BETWEEN RTU AND THE POWER EXHAUST AND PROVIDE FUSED DISCONNECT AS REQUIRED.
7. PROVIDE WITH MODULATING - MICROMETL GEAR DRIVEN INTEGRATED DRY BULB ECONOMIZER WITH BELIMO LOGIC ACTUATORS AND AUX END SWITCH, MICROMETL MODULATING POWER EXHAUST WITH VARIABLE SPEED MOTOR CONTROLLER (100% RELIEF) WIRING HARNESS AND JADE CONTROLLER (USE JADE ONLY FOR STANDALONE TSTAT), PRESSURE SENSOR SET TO .02 POSITIVE PRESSURE. ELECTRICAL CONTRACTOR TO PROVIDE THE POWER CONNECTION BETWEEN RTU AND THE POWER EXHAUST AND PROVIDE FUSED DISCONNECT AS REQUIRED.
8. C02 SENSOR SHALL BE PROVIDED BY DDC CONTRACTOR. OUTSIDE AIR SHALL HAVE A MINIMUM SETPOINT OF ZERO AND THE DAMPER SHALL MODULATE OPEN AS REQUIRED TO SATISFY THE C02 SENSOR. THE OSA CFM LISTED IN THIS SCHEDULE SHALL BE THE MAXIMUM OSA DAMPER SETPOINT (IF NOT IN ECONOMIZER MODE). THE OUTSIDE AIR DAMPER SHALL CLOSE DURING THE UNOCCUPIED MODE.

DEDICATED OUTSIDE AIR SYSTEM (DOAS) SCHEDULE

SYMBOL	AREA SERVED	SUPPLY FAN				POWER EXHAUST FAN				COOLING CAPACITY 95°OSA, 80°EDB, 62°EWB		GAS HEATING		UNIT ELECTRICAL			MIN. OSA CFM	MAKE UP AIR CFM	MIN. EER	OPER. WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
		CFM	ESP	HP	DRIVE	CFM	ESP	HP	DRIVE	TOTAL MBH	SENSIBLE MBH	INPUT MBH	OUTPUT MBH	MCA	MOCP	V/Ø						
DOAS-1	TRAINING LAB 3	2400	1.5	2	DIRECT	2400	0.5	1	DIRECT	86.7	86.6	255	203.6	52	60	208/3	515	2400	10.4	2300	AAON RN 009	1 , 2 , 3 , 4
DOAS-2	HEALTH OCCUPATIONS LAB	2000	1.5	2	DIRECT	2000	0.5	1	DIRECT	62.1	60.8	130	104	40	60	208/3	600	1100	8.4	1600	AAON RN 007	1 , 2 , 3 , 4
DOAS-3	SCIENCE LAB	2400	1.5	2	DIRECT	2400	0.5	1	DIRECT	86.7	86.6	255	203.6	52	60	208/3	515	2400	10.4	2300	AAON RN 009	1 , 2 , 3 , 4
DOAS-4	CORRIDOR	1600	1.5	2	DIRECT	N/A	N/A	N/A	N/A	69.7	66.8	181	145	37	50	208/3	250	1600	10.4	1550	AAON RN 006	1 , 2 , 3 , 4

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: DAIKIN, MAMMOTH, ADDISON.
2. PROVIDE WITH INTERNAL SAFETIES ONLY. ALL CONTROLS TO BE FIELD APPLIED BUY CONTROLS CONTRACTOR. SEE CONTROL SCHEMATIC FOR ADDITIONAL CONTROL INFORMATION. UNIT TO RUN DURING OCCUPIED HOURS ONLY. UNIT TO CONTROL DISCHARGE AIR TEMPERATURE--LINEARLY RESET BASED ON AMBIENT AIR TEMPERATURE.
3. PROVIDE UNIT WITH 14" ROOF CURB, MICROMETL WELDED SPRING ISOLATION CURB (SEE DETAIL FOR SEISMIC RESTRAINTS), FLUE EXTENDER, HAIL GUARDS, HIGH ALTITUDE KIT, SINGLE POINT POWER CONNECTION, ELECTRICAL CONNECTION THROUGH THE BOTTOM OF THE CURB KIT, NEMA 3R DISCONNECT SWITCH, HINGED ACCESS PANELS, LOW AMBIENT CONTROLS, MOTOR STARTERS, 2" 30% FILTERS IN SUPPLY AIR STREAM, DX COOLING WITH VARIABLE CAPACITY SCROLL COMPRESSOR(S), STAINLESS STEEL HEAT EXCHANGER WITH 7 YEAR WARRANTY, MODULATING GAS VALVE, INTAKE AND EXHAUST WEATHER HOODS, DISCHARGE AIR TEMPERATURE SENSOR, AND UL APPROVAL LISTING.
4. MAXIMUM "A-WEIGHTED" SUPPLY AIR SOUND RATINGS FOR UNITS 2-18 TONS = 95 DB @ 125 HZ, 90 DB @ 250 HZ, PER ARI STANDARDS 270 & 370.

EXHAUST HOOD SCHEDULE

SYMBOL	TYPE	HOOD DIMENSIONS		EXHAUST AIR			MAKE-UP AIR			MANUFACTURER AND MODEL	REMARKS
		LENGTH	WIDTH	AIRFLOW CFM	DUCT CONNECITON	MAX S.P. LOSS	AIRFLOW CFM	DUCT CONNECTION	MAX S.P. LOSS		
H-1	TYPE II HOOD	4' - 6"	2' - 6"	675	10"Ø	0.114"	N/A	N/A	N/A	CAPTIVE AIRE MODEL VH1	1 , 2

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: GREENHECK, E-CON AIR, AND DUO-AIRE.
2. EF-4 TO RUN CONTINUOUSLY.

EXHAUST FAN SCHEDULE

SYMBOL	AREA SERVED	UNIT TYPE	BLOWER				ELECTRICAL		MAXIMUM SONES	OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
			CFM	ESP	MAXIMUM RPM	DRIVE	HP/W	V/Ø				
EF-1	TOILET	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1 , 2 , 6
EF-2	TOILET	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1 , 2 , 6
EF-3	TOILET	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1 , 2 , 6
EF-4	CUSTODIAN	ROOFTOP UPBLAST	675	.5	1480	DIRECT	.333 HP	115/1	15.2	68	CAPTIVEAIRE DU33HFA	1 , 4 , 11
EF-5	CATERING	CEILING CABINET	150	.375	1160	DIRECT	57.7 W	115/1	3.5	15	COOK MODEL GC-186	1 , 2 , 7
EF-6	TRAINING LAB 1	UTILITY VENT SET	2500	.4	1725	DIRECT ECM	1 HP	208/3	18	250	COOK MODEL 150CPA(EC)	1 , 3 , 8
EF-7	TRAINING LAB 2	UTILITY VENT SET	400	.4	1725	DIRECT ECM	.125 HP	115/1	6	100	COOK MODEL 80CPVD(EC)	1 , 3 , 7
EF-8	TOILETS	ROOFTOP UPBLAST	450	.4	1725	DIRECT ECM	.125 HP	115/1	11	30	COOK MODEL 100 ACRUM (EC)	1 , 4 , 9
EF-9	RESTROOMS	ROOFTOP UPBLAST	600	.4	1725	DIRECT ECM	.167 HP	115/1	11	30	COOK MODEL 101 ACRUD OR80 (EC)	1 , 4 , 9
EF-10	HEALTH OCCUPATIONS LAB	ROOFTOP UPBLAST	1100	.4	1725	DIRECT ECM	.25 HP	115/1	13	35	COOK MODEL 120 ACRUD OR92 (EC)	1 , 4 , 7
EF-11	TRAINING LAB 3 FUME HOOD	ROOFTOP LAB UTILITY VENT	1260	.75	3386	BELT	.5 HP	115/1	14	300	COOK MODEL 120 CPSLE-2	1 , 5 , 10
EF-12	TRAINING LAB 3 FUME HOOD	ROOFTOP LAB UTILITY VENT	1260	.75	3386	BELT	.5 HP	115/1	14	300	COOK MODEL 120 CPSLE-2	1 , 5 , 10
EF-13	SCIENCE LAB FUME HOOD	ROOFTOP LAB UTILITY VENT	1260	.75	3386	BELT	.5 HP	115/1	14	300	COOK MODEL 120 CPSLE-2	1 , 5 , 10
EF-14	SCIENCE LAB FUME HOOD	ROOFTOP LAB UTILITY VENT	1260	.75	3386	BELT	.5 HP	115/1	14	300	COOK MODEL 120 CPSLE-2	1 , 5 , 10
EF-15	NURSING MOMS	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1 , 2 , 7
EF-16	STORAGE 132	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1 , 2 , 11
EF-17	STORAGE 134	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1 , 2 , 11
EF-18	STORAGE 137	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1 , 2 , 11
EF-19	FLEX CLASSROOM 116 AV EQUIP CLOSET	CEILING CABINET	100	.375	1075	DIRECT	46.5 W	115/1	2.5	15	COOK MODEL GC-148	1 , 2 , 12

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: ACME, GREENHECK, PENNBARRY, TWIN CITY FAN COMPANY, SOLER & PALAU AND BARRY BLOWER.
2. PROVIDE UNIT WITH MANUFACTURER'S ALUMINUM ROOF CAP (FLAT ROOF) EQUAL TO COOK MODEL PR (W/ INTEGRAL BIRD SCREEN AND ROOF CURB), BACKDRAFT DAMPER, OUTLET FLEX DUCT CONNECTION, STANDARD PLUG DISCONNECT, PRE-WIRED FAN SPEED CONTROLLER, THERMAL OVERLOAD PROTECTION, HANGING VIBRATION ISOLATORS, AND WHITE ALUMINUM GRILLE.
3. PROVIDE UNIT WITH MANUFACTURER'S VIBRATION ISOLATION BASE, THERMAL OVERLOAD PROTECTION (120 VOLT ONLY), PRE-WIRED NEMA 3R ELECTRICAL DISCONNECT SWITCH, AND INTEGRAL BIRD SCREEN.
4. PROVIDE UNIT WITH MANUFACTURER'S ROOF CURB W/ DAMPER TRAY AND BACKDRAFT DAMPER, VARIABLE SPEED CONTROLLER, THERMAL OVERLOAD PROTECTION (120 VOLT ONLY), PRE-WIRED NEMA 3R ELECTRICAL DISCONNECT SWITCH, AND INTEGRAL BIRD SCREEN.
5. PROVIDE UNIT WITH MANUFACTURER'S ROOF CURB WITH CURB CAP, SPRING VIBRATION ISOLATORS, INLET BOX, FAN DRAIN, BOLTED ACCESS DOOR, PHENOLIC EPOXY POWDER COAT WITH UV PROTECTION, WEATHER COVER, S.S. HARDWARE, S.S. SHAFT, PROVIDE EXTENDED DISCHARGE NOZZLE WITH GUY WIRES. LOCK BEARINGS, FAN SHALL BE SPARK RESISTANT (ALUMINUM WHEEL) WITH EXPLOSION PROOF MOTOR.
6. INTERLOCK FAN WITH LIGHTS.
7. CONTROL FAN WITH SEPARATE WALL SWITCH.
8. CONTROL WITH CARBON MONOXIDE DETECTOR. SEE VEHICLE EXHAUST FAN CONTROL DIAGRAM
9. CONTROL FAN THROUGH DDC SYSTEM. FAN TO RUN DURING OCCUPIED HOURS.
10. CONTROL FAN WITH HOOD SWITCH CONTROLLER.
11. FAN TO RUN CONTINUOUSLY.
12. CONTROL FAN WITH HEAT RISE T-STAT.

DUCTLESS SPLIT HIGH WALL COOLING UNIT SCHEDULE

SYMBOL	AREA SERVED	NOMINAL TONS	UNIT TYPE	SUPPLY FAN		COOLING CAPACITY AT 95°F OSA		ELECTRICAL OUTDOOR UNIT			MINIMUM SEER	INDOOR / OUTDOOR WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
				CFM	V/Ø	TOTAL (MBH)	SENSIBLE (MBH)	MCA	MOCP	V/Ø				
DFC-1 , DCU-1	I.T.	2.5	HIGH WALL COOLING ONLY	890	THRU O/U	31.4	21	17	20	208/1	17.5	38 / 133	DAIKIN FAN COIL MODEL FTX30NVJU DAIKIN CONDENSING UNIT MODEL RK30NMVJUA	1 , 2 , 3 , 4 , 5 , 6

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: SUBMIT FOR PRIOR APPROVAL FROM OWNER AND ENGINEER.
2. CONTROL UNIT WITH MANUFACTURER'S HARD-WIRED WALL MOUNTED 7 DAY PROGRAMMABLE THERMOSTAT.
3. PROVIDE MANUFACTURERS CRANKCASE HEATER, LOW AMBIENT CONTROLS & (TO -22°F) WIND BAFFLES, REFRIGERATION LINE SET SIZED BY MANUFACTURER (LONG LINE APPLICATION) , AND TAMPER PROOF PORT CAPS.
4. PROVIDE WITH MIRO INDUSTRIES HEAVY DUTY MECHANICAL GALVANIZED ROOF SUPPORT WITH ADJUSTABLE SUPPORT LEGS. SUPPORT SHALL EXTEND A MINIMUM OF 6" BEYOND EQUIPMENT IN EACH DIRECTION. BOLT EQUIPMENT TO MECHANICAL SUPPORT. PROVIDE 18" CURB, REFERENCE CONDENSING CURB DETAIL.
5. PROVIDE WITH MANUFACTURER'S CONDENSATE PUMP, LITTLE GIANT MINI CONDENSATE PUMP, CONCEAL PUMP BEHIND UNIT WITHIN MOUNTING BRACKET ASSEMBLY. PUMP SHALL BE POWERED BY FAN COIL.
6. ELECTRICAL TO PROVIDE DISCONNECT.

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EVAPORATOR COIL REFRIGERATION UNIT SCHEDULE

SYMBOL	AREA SERVED	UNIT TYPE	INDOOR UNIT (X3)				COOLING REQUIRED AT 95°F OSA	ELECTRICAL OUTDOOR UNIT			INDOOR/ OUTDOOR OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
			CFM	HP	V/Ø	AMPS	TOTAL MBH	MCA	MOCP	V/Ø			
EC-1, EC-2, EC-3, CU-1	TRAINING LAB 2	PROCESS REFRIGERATION	4450	(2) 1/4	115/1	7	105	59.4	100	208/3	150/1100	BOHN EVAPORATOR COIL MODEL BEM0405 (X3) BOHN CONDENSING UNIT MODEL BCH0120	1, 2, 3

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS SHALL BE SUBMITTED FOR PRIOR APPROVAL.
2. COORDINATE ALL STRUCTURAL REQUIREMENTS WITH GENERAL CONTRACTOR.
3. PROVIDE WITH REFRIGERATION LINESET PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WITH AIR DEFROST TIMER, RC FILTER DRIER AND SIGHT GLASS, DUAL PRESSURE CONTROL, PHASE LOSS MONITOR, CRANKCASE HEATER.

SCIENCE FUME HOOD SCHEDULE

SYMBOL	AREA SERVED	UNIT TYPE	NOMINAL SIZE			STATIC PRESSURE (IN W.C.)	FPM	EXHAUST CFM	EXHAUST DUCT COLLAR SIZE	FINISH	MANUFACTURER AND MODEL	REMARKS
			HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)							
FH-1	TRAINING LAB 3	GENERAL PURPOSE BENCH FUME HOOD WITH BASE CABINET	89"	60"	36"	.45	120	1260	12"	PHENOLIC RESIN	KEWAUNEE SUPREME AIR FUME HOOD H05	1 , 2
FH-2	TRAINING LAB 3	GENERAL PURPOSE BENCH FUME HOOD WITH BASE CABINET	89"	60"	36"	.45	120	1260	12"	PHENOLIC RESIN	KEWAUNEE SUPREME AIR FUME HOOD H05	1 , 2
FH-3	SCIENCE LAB	GENERAL PURPOSE BENCH FUME HOOD WITH BASE CABINET	89"	60"	36"	.45	120	1260	12"	PHENOLIC RESIN	KEWAUNEE SUPREME AIR FUME HOOD H05	1 , 2
FH-4	SCIENCE LAB	GENERAL PURPOSE BENCH FUME HOOD WITH BASE CABINET	89"	60"	36"	.45	120	1260	12"	PHENOLIC RESIN	KEWAUNEE SUPREME AIR FUME HOOD H05	1 , 2

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: HEMCO, HAMILTON, AMS AND LABCONCO.
2. PROVIDE HOOD WITH THE FOLLOWING ACCESSORIES:
   - VERTICAL SASH
   - (2) REMOTE CONTROLLED GAS FIXTURE WITH SERRATED HOSE CONNECTIONS ON BOTH SIDES OF HOOD.
   - (2) REMOTE CONTROLLED AIR FIXTURE WITH SERRATED HOSE CONNECTION ON BOTH SIDES OF HOOD.
   - (2) DUPLEX RECEPTACLE. LOCATED ON BOTH SIDES OF HOOD.
   - BLOWER SWITCH WITH PILOT LIGHT.
   - MANUFACTURER'S LIGHT SWITCH.
   - AIR ALERT 600 AIRFLOW MONITOR.
   - INSIDE ACCESS PANELS
   - STANDARD METAL BASE CABINET WITH BACKSIDE FILLER PANEL.
   - 2.7 LB DRY CHEMICAL FIRE EXTINGUISHER
   - DISHED EPOXY RESIN WORKSURFACE
   - CUP SINK WITH GOOSENECK WATER FAUCET WITH VACUUM BREAKER.
   - VAPOR PROOF LIGHT WITH SWITCH
   - ALL ELECTRICAL COMPONENTS TO BE UL LISTED

EXHAUST HOOD SCHEDULE

SYMBOL	AREA SERVED	UNIT TYPE	HOOD DIMENSIONS		EXHAUST AIR		ELECTRICAL		MANUFACTURER AND MODEL	REMARKS
			LENGTH	WIDTH	CFM	DUCT CONNECTION	V/Ø	AMPS		
RH-1	TRAINING LAB 2	RESIDENTIAL RANGE HOOD	30"	17.5"	200	7"Ø	120/1	1.7	BROAN MODEL QT230SS	1 , 2
RH-2	TRAINING LAB 2	RESIDENTIAL RANGE HOOD	30"	17.5"	200	7"Ø	120/1	1.7	BROAN MODEL QT230SS	1 , 2

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: AMANA, KITCHEN AID.
2. PROVIDE UNIT WITH DISHWASHER SAFE ALUMINUM FILTERS, DUAL 40 W LAMPS, ADAPTER AND DAMPER FOR 7"Ø DUCT. UNIT SHALL BE STAINLESS STEEL.

GAS-FIRED UNIT HEATER SCHEDULE

SYMBOL	AREA SERVED	UNIT TYPE	FAN			ELECTRICAL		GAS HEATING		OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
			CFM	RPM	HP	V/Ø	AMPS	INPUT (MBH)	OUTPUT (MBH)			
UH-1	TRAINING LAB 1 MAKE UP AIR SUPPLEMENTAL HEAT	HORIZONTAL / SEPARATED COMBUSTION	3843	1050	1/2	115/1	11	300	249	300	REZNOR MODEL UDZ 300	1 , 2

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: HASTINGS, TRANE, MODINE, AND STERLING.
2. PROVIDE UNIT WITH MANUAL SUMMER/WINTER SWITCH, THERMOSTAT AND RELAY KIT, 65° DOWNTURN NOZZLE WITH HORIZONTAL LOUVERS, AND 4-POINT SUSPENSION KIT.

LOUVER SCHEDULE

SYMBOL	SERVICE	TYPE	NOMINAL SIZE	MINIMUM FREE AREA (SQ.FT.)	FINISH	MANUFACTURER AND MODEL	REMARKS
L-1	TRAINING LAB 1 MAKE UP AIR	FIXED DRAINABLE	48 X 30	5.31	AAMA 2604	RUSKIN ELF375DX	1 , 2 , 3

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: GREENHECK, AMERICAN WARMING, AIROLITE, SAFE-AIR/DOWCO, LOUVERS & DAMPERS, ARROW UNITED, CESCO, NCA MANUFACTURING, NAILOR, POTTORFF, AND UNITED ENERTECH.
2. COLOR TO BE SELECTED BY ARCHITECT.
3. EXHAUST AND O.S.A. PROVIDE WITH FLANGED FRAME AND BIRD SCREEN, AND 120V/Ø LOW LEAKAGE MOTORIZED DAMPER (INTERLOCK WITH ASSOCIATED EXHAUST FAN).

ELECTRIC HEATER SCHEDULE

SYMBOL	AREA SERVED	UNIT TYPE	FAN			ELECTRICAL				MANUFACTURER AND MODEL	REMARKS
			CFM	RPM	HP	KW	STEPS	V/Ø	AMPS		
EH-1	MECHANICAL ROOM	CEILING RECESSED MOUNTED	600	1300	1/8	2	---	208/3	5.6	MARKEL MODEL 3480 SERIES	1 , 2 , 3
EH-2	VESTIBULE 100	CEILING RECESSED MOUNTED	600	1300	1/8	3	---	208/3	8.3	MARKEL MODEL 3480 SERIES	1 , 2 , 3
EH-3	VESTIBULE 125	CEILING RECESSED MOUNTED	600	1300	1/8	2	---	208/3	5.6	MARKEL MODEL 3480 SERIES	1 , 2 , 3

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED ALTERNATE MANUFACTURERS: BRASCH, QMARK, INDEECO, OUELLET, AND CHROMALOX.
2. PROVIDE UNIT WITH MANUFACTURER'S RECOMMENDED REMOTE WALL MOUNTED LOW VOLTAGE THERMOSTAT(UT1001) WITH TAMPER PROOF COVER.

DIFFUSER SCHEDULE

SYMBOL	NOMINAL SIZE	NECK / RUNOUT SIZE	CFM RANGE	REMARKS
D-1 CFM 6"Ø	6X6	6"Ø	0 - 90	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8
D-2 CFM 8"Ø	9X9	8"Ø	90 - 200	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8
D-3 CFM 10"Ø	12X12	10"Ø	200 - 350	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8
D-4 CFM 12"Ø	15X15	12"Ø	300 - 500	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8
D-5 CFM 14"Ø	15X15	14"Ø	400 - 650	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8
D-6 CFM 16"Ø	18X18	16"Ø	600 - 900	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8
D-7 CFM 21X21	21X21	21X21	900 - 1400	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. ALTERNATE MANUFACTURERS: ANEMOSTAT, J&J REGISTER, NAILOR, METAL-AIRE, TUTTLE & BAILEY, KRUEGER, PRICE, AND UNITED ENERTECH.
2. SIZES BASED ON TITUS MODEL TDC SERIES OR TDCA SERIES WITH ADJUSTABLE THROW.
3. SIZES BASED ON A MAXIMUM NC LEVEL OF 25.
4. ALL DIFFUSERS LOCATED IN LAY-IN CEILING AREAS SHALL BE BORDER TYPE 3 AND BE MOUNTED IN MANUFACTURER PROVIDED 24"x24" PANELS. ALL DIFFUSERS LOCATED IN HARD CEILING AREAS SHALL BE BORDER TYPE 6 (BEVELED) SURFACE MOUNTED. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF VARIOUS CEILING TYPES.
5. SEE HVAC FLOOR PLANS FOR DIRECTIONAL THROW REQUIREMENTS FOR EACH DIFFUSER.
6. ALL OF THE DIFFUSERS SHOWN IN THIS SCHEDULE MAY NOT BE USED. REFERENCE THE HVAC PLAN FOR DIFFUSER CALL-OUTS AND THE QUANTITY OF EACH SIZE REQUIRED.
7. WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.
8. COLOR TO BE SELECTED BY ARCHITECT.

SUPPLY GRILLE SCHEDULE

SYMBOL	NOMINAL SIZE	NECK / RUNOUT SIZE	CFM RANGE	REMARKS
G-1 CFM 10X4	10X4	10X4	0-150	1 , 2 , 4 , 5
G-2 CFM 20X6	20X6	20X6	0-450	1 , 2 , 4 , 5
G-3 CFM 24X6	24X6	24X6	450-550	1 , 2 , 4 , 5
G-4 CFM 36X4	36X4	36X4	0-625	1 , 3 , 4 , 5

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. APPROVED MANUFACTURERS: ANEMOSTAT, J&J REGISTER, TUTTLE & BAILEY, NAILOR, METAL-AIRE, KRUEGER, PRICE, AND UNITED ENERTECH.
2. CURVE SPIRAL DUCT MOUNTED GRILLE, SIZES BASED ON TITUS MODEL S300FL. DOUBLE DEFLECTION, 3/4" BLADE SPACING, INDIVIDUALLY ADJUSTABLE BLADES, AIR EXTRACTOR, WHITE FINISH AND GRILLE SHALL MATCH CURVE OF DUCTWORK.
3. DRUM LOUVER, SIZES BASED ON TITUS MODEL DL-SV DRUM LOUVER WITH SPLIT VANE. ADJUSTABLE VERTICAL AND HORIZONTAL THROW - HIGH DISCHARGE FOR LONG THROWS, WHITE FINISH.
4. SIZES BASED ON A MAXIMUM NC LEVEL OF 25.
5. WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.

RETURN & EXHAUST GRILLE SCHEDULE

SYMBOL	NOMINAL SIZE	NECK / RUNOUT SIZE	CFM RANGE	REMARKS
R-1 6"Ø	8X8	6"Ø	0-80	1 , 2 , 3 , 4 , 5 , 6 , 7
R-2 8"Ø	10X10	8"Ø	80-180	1 , 2 , 3 , 4 , 5 , 6 , 7
R-3 10"Ø	12X12	10"Ø	180-300	1 , 2 , 3 , 4 , 5 , 6 , 7
R-4 6"Ø	22X10	6"Ø	0-80	1 , 2 , 3 , 4 , 5 , 6 , 7
R-5 8"Ø	22X10	8"Ø	80-180	1 , 2 , 3 , 4 , 5 , 6 , 7
R-6 10"Ø	22X10	10"Ø	180-300	1 , 2 , 3 , 4 , 5 , 6 , 7
R-7 12"Ø	22X22	12"Ø	300-500	1 , 2 , 3 , 4 , 5 , 6 , 7
R-8 14"Ø	22X22	14"Ø	500-750	1 , 2 , 3 , 4 , 5 , 6 , 7
R-9 22X10	22X10	22X10	500-1100	1 , 2 , 3 , 4 , 5 , 6 , 7
R-10 22X22	22X22	22X22	1100-2000	1 , 2 , 3 , 4 , 5 , 6 , 7

REMARKS:

1. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. ALTERNATE MANUFACTURERS: ANEMOSTAT, CARNES, PRICE, NAILOR, METAL-AIRE, TUTTLE & BAILEY, KRUEGER, J&J REGISTER, AND UNITED ENERTECH.
2. SIZES BASED ON TITUS MODEL 50F, ALUMINUM EGGCRATE RETURN GRILLE, 1/2" x 1/2" x 1" SPACING (SINGLE CORE). PROVIDE SQUARE TO ROUND TRANSITION (WHERE ROUND RUN-OUT INDICATED).
3. SIZES BASED ON A MAXIMUM NC LEVEL OF 25.
4. ALL GRILLES LOCATED IN LAY-IN CEILING AREAS SHALL HAVE BORDER #3, UNLESS OTHERWISE INDICATED. ALL GRILLES LOCATED IN HARD CEILING AREAS SHALL HAVE BORDER #1, UNLESS OTHERWISE INDICATED. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF VARIOUS CEILING TYPES. SHEET METAL DUCTWORK VISIBLE BEHIND GRILLE SHALL BE PAINTED FLAT BLACK.
5. ALL OF THE GRILLES SHOWN IN THIS SCHEDULE MAY NOT BE USED. REFERENCE THE HVAC PLAN FOR GRILLE CALL-OUTS AND THE QUANTITY OF EACH SIZE REQUIRED.
6. WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.
7. COLOR TO BE SELECTED BY ARCHITECT.

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PROFESSIONAL ENGINEER
REGISTERED
13317
11/5/2024
STATE OF IDAHO
JASON A. RICE

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

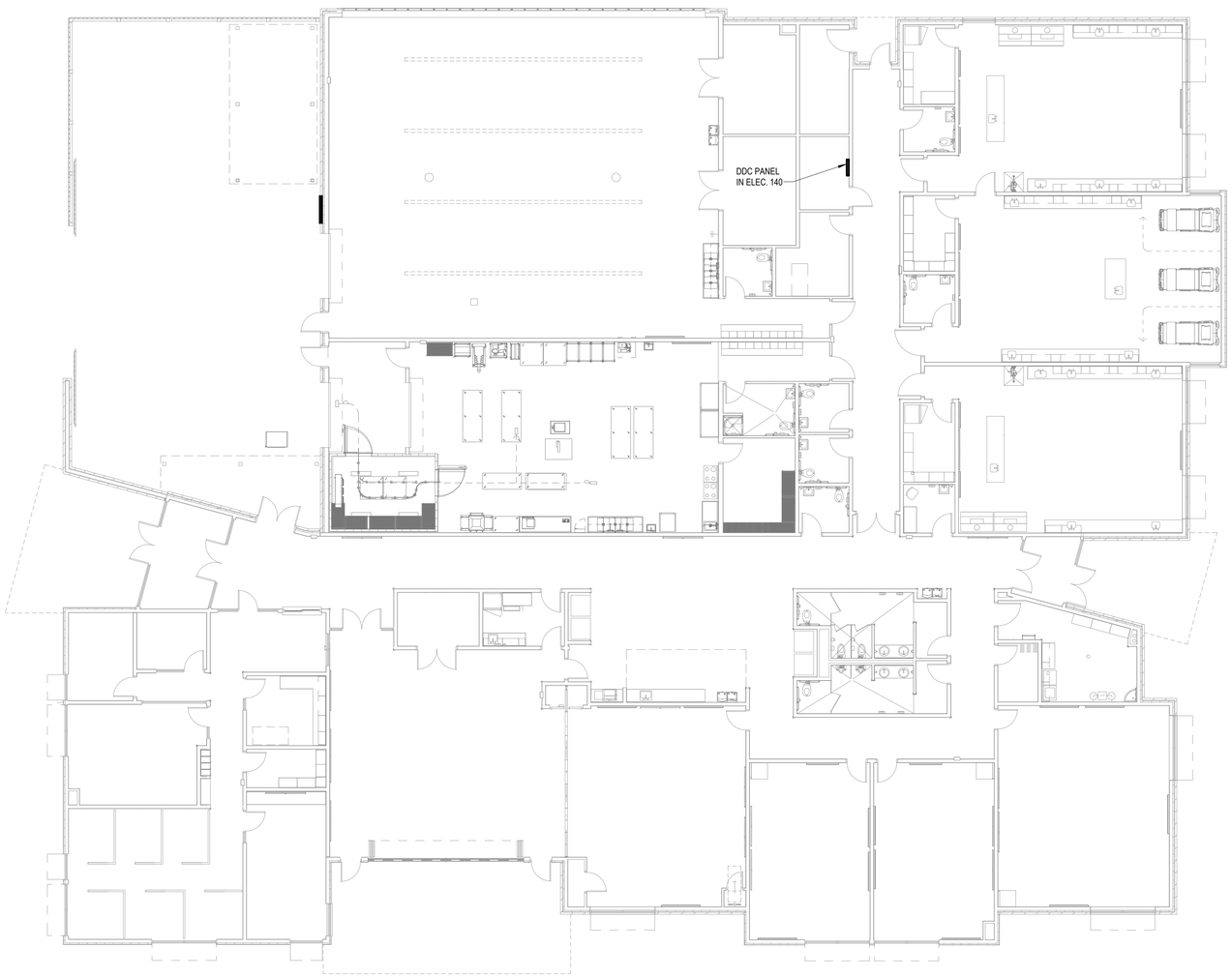
DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: JAD
CHECKED BY: JR

BID SET

DRAWING NO.:
M4.1
HVAC SCHEDULES

DDC — LOCATION OF DDC CONTROL PANELS (120V WILL BE SUPPLIED TO THESE LOCATIONS. LOCATION TO BE CONFIRMED BY OWNER/ARCHITECT.



CONTROLS LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AI	ANALOG INPUT	AO	ANALOG OUTPUT
DI	DIGITAL INPUT	DO	DIGITAL OUTPUT
--	CONTROL ELEMENT TAG	– · – · – · – · – · – · –	LOW VOLTAGE SIGNAL
M	MOTOR	S	THERMOSTAT / TEMPERATURE SENSOR
	CURRENT SENSING RELAY	CO_2	CARBON DIOXIDE SENSOR
	CONTROL RELAY	PT	PRESSURE TRANSMITTER
CR	CONTROL RELAY	PDT	FILTER DIFFERENTIAL PRESSURE SENSORS
CSR	CURRENT SENSING RELAY	TT	TEMPERATURE TRANSMITTER

ROOM SENSORS

ALL INTERIOR SENSORS SHALL BE MOUNTED/INSTALLED TOGETHER IN THE LOCATION AS INDICATED ON THE PLANS. PRIOR TO FINAL INSTALLATION, THE CONTRACTOR SHALL MAKE FINAL CONFIRMATION OF LOCATION(S) OF EACH RESPECTIVE SENSOR WITH ENGINEER.

AI — TEMPERATURE — S

ALL SPACE TEMPERATURE SENSORS SHALL BE PROVIDED WITH:

NO VISUAL DISPLAY BLANK COVER
NO ADJUSTABLE SET POINT CAPABILITIES
(EXCEPTION IN TRAINING LAB 2 SHOULD HAVE REFRIGERATION MODE SWITCH/BUTTON)
OCCUPIED/UNOCCUPIED OVER-RIDE (WITH ADJUSTABLE TIME DELAY)

NO COVER - TYPICAL CLASSROOM AND OFFICE LOCATIONS.
STEEL WIRE COVER / GUARD (LOCKABLE) - LOCATIONS SUBJECT TO DAMAGE
BLANK STEEL COVER PLATE - HALLWAYS AND OTHER "NON-ADJUSTABLE" LOCATIONS

CONTRACTOR SHALL CONFIRM SENSOR COVER TYPE WITH ENGINEER PRIOR TO FINAL INSTALLATIONS.

WHERE KEYED LOCKING COVERS ARE REQUIRED, THEY SHALL ALL BE KEYED THE SAME.

AI — CO2 LEVEL — CO_2

ALL SPACE CO2 SENSORS SHALL BE PROVIDED WITH:

NO VISUAL DISPLAY

SELECT SPACE CO2 SENSORS SHALL BE PROVIDED WITH:

WALL MOUNTED SENSOR

(SEE SCHEDULE AND PLANS FOR UNITS WITH THIS REQUIREMENT)

AI — PRESSURE — PS

ALL SPACE PRESSURE SENSORS SHALL BE PROVIDED WITH:

NO VISUAL DISPLAY

EXTERIOR SENSOR

AI — PRESSURE — PS

ALL EXTERIOR PRESSURE SENSORS SHALL BE PROVIDED WITH:

NO VISUAL DISPLAY
"WIND BLOCK" COVER

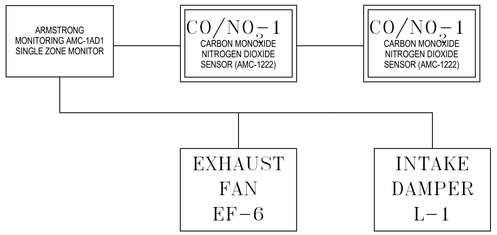
MOUNT VERY NEAR RESPECTIVE RTU PER MANUFACTURER'S RECOMMENDATIONS. 1 PER EACH RTU AS NOTED ON PLANS

NOTE: ALL SENSORS LOCATED IN 'COLD' AREAS SHALL BE PROVIDED IN A 'THERMAL BUFFER'. THIS INCLUDES THE SENSORS IN THE COOLERS AND OUTBUILDINGS.

SENSOR CONTROL SYSTEM SCHEMATIC

NOT TO SCALE

CONTROL PANEL



SEQUENCE OF OPERATION:

THIS SHALL BE A STAND ALONE SYSTEM.

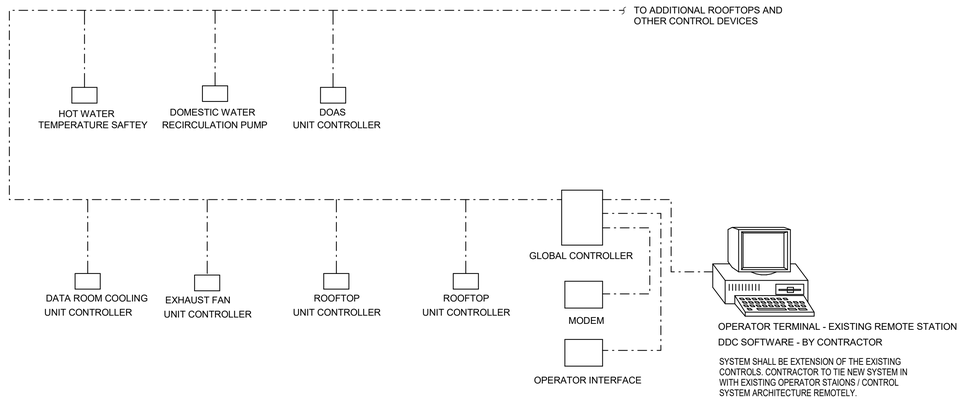
SERVICE DAMPER SHALL OPEN WHEN EXHAUST FANS START WHEN SHOP CO LEVELS EXCEED 25 PPM OR NO2 LEVELS EXCEED 1 PPM.

FANS SHALL RUN FOR 5 ADDITIONAL MINUTES AFTER CO/NO2 LEVELS DROP BELOW 35 PPM.

CO/NO2 SENSOR REQUIREMENTS:
A. CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN PLUS OR MINUS 5 PERCENT OF MEASUREMENT.
B. FACTORY CALIBRATED.
C. CERTIFIED BY THE MANUFACTURER TO DRIFT NO MORE THAN 5 PERCENT PER YEAR.
D. CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE A YEAR.
ALTERNATE MANUFACTURES: MACURCO AND HONEYWELL

VEHICLE EXHAUST FAN CONTROL DIAGRAM (EF-6)

NOT TO SCALE



CONTROL SYSTEM ARCHITECTURE

NOT TO SCALE

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DATE: 10/28/24
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DRAWN BY: JAD
CHECKED BY: JR

BID SET

DRAWING NO.:

M5.0
MECHANICAL CONTROLS

SEQUENCE OF OPERATIONS

RoofTop Units with CO2 Sensors and Economizers (Centrifugal Exhaust):

The RTU supply fan will start when the user adjustable time schedule in the DDC controller enters the occupied period. When the supply fan is started the controller will verify the supply fan run status. If fan status is not proven an alarm shall be issued using owner's existing priority alarming standards. Once run status is verified the controller will check the space temperature sensor assigned to each RTU to determine if cooling or heating is required. If cooling is required and outdoor air condition is suitable the units internal controller will modulate the mixed air damper to maintain the supply air temperature setpoint. If outdoor condition is not suitable the mixed air dampers will be modulated to a minimum position as determined by the CO2 sensor (see sequence below). If the mixed air dampers are at minimum position or the outdoor dampers are at 100% open and additional cooling is required the controller will start the compressorized cooling system to maintain the user adjustable cooling space setpoint. If heating is required the controller will energize the first stage of heat, if additional heat is required the second stage of heat is enabled to maintain space temperature heating setpoint. If the space temperature is between the heating and cooling setpoint, the supply fan will continue to operate, but neither heating nor cooling will be enabled. The occupied heating and cooling set points shall be determined by owner's BMS standards and deadband will be set by the BMS.

Indoor Air Quality (CO2)
Whenever the supply fan is on, the unit is in the occupied mode, and the space CO2 rises above its setpoint of 800 ppm (adjustable), the controller shall adjust the OSA damper position as necessary in order to maintain the maximum CO2 setpoint. As the CO2 level falls below the maximum setpoint the controller shall re-adjust the damper position accordingly to maintain the CO2 setpoint. IAQ operations and controls shall be suspended whenever the unit calls for heating or cooling and the space temperature can not be maintained after 10 minutes (adjustable). The IAQ operations shall be re-activiated after 4 hours (adjustable). At no point shall the OSA damper exceed the minimum damper position as established by the Balancing Contractor (0 cfm to a specified cfm as indicated by the RTU schedule), unless the system is in economizer mode or per the CO2 space sensor requirements.

Centrifugal Exhaust Operations:
In most cases, whenever the OSA damper is opened to an adjustable set point (either by CO2 demand or economizer cooling controls), then the centrifugal exhaust fan shall be energized. The fan shall run continuously until the damper position is below the adjsutable set point. If the fan is commanded to be on but the fan status is not proven, then an alarm shall be issued using owner's existing priority alarming standards.

In the unoccupied mode the RTU supply fan will be stopped and the economizer damper shall be closed. If space temperature were to rise above or fall below the unoccupied space set points the RTU supply fan will start and heating or cooling will be enabled to maintain the space temperature at the unoccupied space temperature setpoint, The outside air dampers shall remain closed unless economizer cooling can be used.

Unique Control Requirements:

For Training Lab 2, there shall be a refrigeration mode switchover controlled by the space sensor. When the refrigeration mode switchover is activated the RTU serving the space shall shutdown. The RTU supply fan will be stopped and the economizer damper shall be closed. The evaporator coil and refrigeration unit will then start the cooling system to maintain the user adjustable space temperature setpoint.

Roof Top Units with CO2 Sensors and Economizers (Modulating Power Relief):

The RTU supply fan will start when the user adjustable time schedule in the DDC controller enters the occupied period. When the supply fan is started the controller will verify the supply fan run status. If fan status is not proven an alarm shall be issued using owner's existing priority alarming standards. Once run status is verified the controller will check the space temperature sensor assigned to each RTU to determine if cooling or heating is required. If cooling is required and outdoor air condition is suitable the units internal controller will modulate the mixed air damper to maintain the supply air temperature setpoint. If outdoor condition is not suitable the mixed air dampers will be modulated to a minimum position as determined by the CO2 sensor (see sequence below). If the mixed air dampers are at minimum position or the outdoor dampers are at 100% open and additional cooling is required the controller will start the compressorized cooling system to maintain the user adjustable cooling space setpoint. If heating is required the controller will energize the first stage of heat, if additional heat is required the second stage of heat is enabled to maintain space temperature heating setpoint. If the space temperature is between the heating and cooling setpoint, the supply fan will continue to operate, but neither heating nor cooling will be enabled. The occupied heating and cooling set points shall be determined by owner's BMS standards and deadband will be set by the BMS.

Indoor Air Quality (CO2)
Whenever the supply fan is on, the unit is in the occupied mode, and the space CO2 rises above its setpoint of 800 ppm (adjustable), the controller shall adjust the OSA damper position as necessary in order to maintain the maximum CO2 setpoint. As the CO2 level falls below the maximum setpoint the controller shall re-adjust the damper position accordingly to maintain the CO2 setpoint. IAQ operations and controls shall be suspended whenever the unit calls for heating or cooling and the space temperature can not be maintained after 10 minutes (adjustable). The IAQ operations shall be re-activiated after 4 hours (adjustable). At no point shall the OSA damper exceed the minimum damper position as established by the Balancing Contractor (0 cfm to a specified cfm as indicated by the RTU schedule), unless the system is in economizer mode or per the CO2 space sensor requirements.

Modulating Power Exhaust Operations:
The unit shall be equipped with two (2) pressure sensors. Whenever the interior pressure is greater than 0.02" w.c. (adjustable) in comparison the outside pressure the modulating power exhaust shall be engaged and the VFD shall be controlled to miantain the positive building pressure setpoint. The fan shall not be allowed to operate when the differential pressure is less than 0.01" w.c. (adjustable) If the fan is commanded to be on but the fan status is not proven, then an alarm shall be issued using owner's existing priority alarming standards.

In the unoccupied mode the RTU supply fan will be stopped and the economizer damper shall be closed. If space temperature were to rise above or fall below the unoccupied space set points the RTU supply fan will start and heating or cooling will be enabled to maintain the space temperature at the unoccupied space temperature setpoint, The outside air dampers shall remain closed unless economizer cooling can be used.

DOAS Roof Top Units with CO2 Sensors and Economizers (Modulating Power Relief & Make-up Air Operation):

(DOAS-1 through 3)The DOAS units shall have two modes of operation during occupied hours based exhaust fan/ fume hood status. Standard mode and Make-up Air Unit (MAU) mode.
(DOAS-4)The DOAS unit shall be in Make-up Air Unit (MAU) mode all the time.

In the unoccupied mode the RTU supply fan will be stopped and the economizer damper shall be closed. If space temperature were to rise above or fall below the unoccupied space set points the RTU supply fan will start and heating or cooling will be enabled to maintain the space temperature at the unoccupied space temperature setpoint, The outside air dampers shall remain closed unless economizer cooling can be used.

STANDARD MODE:
The unit shall operate in standard mode when all exhaust fans and/or fume hoods serving the space are not operational.

The RTU supply fan will start when the user adjustable time schedule in the DDC controller enters the occupied period. When the supply fan is started the controller will verify the supply fan run status. If fan status is not proven an alarm shall be issued using owner's existing priority alarming standards. Once run status is verified the controller will check the space temperature sensor assigned to each RTU to determine if cooling or heating is required. If cooling is required and outdoor air condition is suitable the units internal controller will modulate the mixed air damper to maintain the supply air temperature setpoint. If outdoor condition is not suitable the mixed air dampers will be modulated to a minimum position as determined by the CO2 sensor (see sequence below). If the mixed air dampers are at minimum position or the outdoor dampers are at 100% open and additional cooling is required the controller will start the compressorized cooling system to maintain the user adjustable cooling space setpoint. If heating is required the controller will energize the first stage of heat, if additional heat is required the second stage of heat is enabled to maintain space temperature heating setpoint. If the space temperature is between the heating and cooling setpoint, the supply fan will continue to operate, but neither heating nor cooling will be enabled. The occupied heating and cooling set points shall be determined by owner's BMS standards and deadband will be set by the BMS.

Indoor Air Quality (CO2)
Whenever the supply fan is on, the unit is in the occupied mode, and the space CO2 rises above its setpoint of 800 ppm (adjustable), the controller shall adjust the OSA damper position as necessary in order to maintain the maximum CO2 setpoint. As the CO2 level falls below the maximum setpoint the controller shall re-adjust the damper position accordingly to maintain the CO2 setpoint. IAQ operations and controls shall be suspended whenever the unit calls for heating or cooling and the space temperature can not be maintained after 10 minutes (adjustable). The IAQ operations shall be re-activiated after 4 hours (adjustable). At no point shall the OSA damper exceed the minimum damper position as established by the Balancing Contractor (0 cfm to a specified cfm as indicated by the RTU schedule), unless the system is in economizer mode or per the CO2 space sensor requirements.

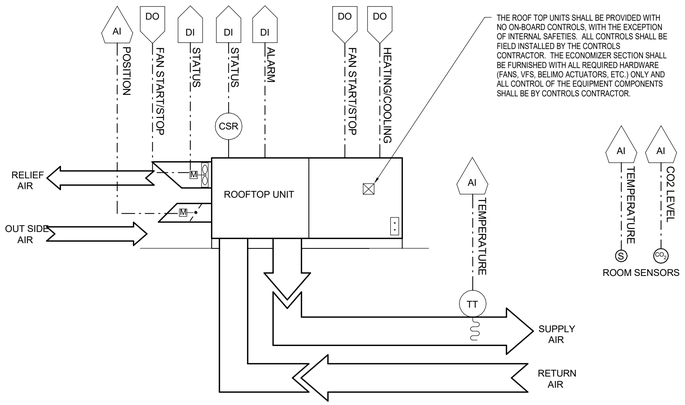
Modulating Power Exhaust Operations:
The unit shall be equipped with two (2) pressure sensors. Whenever the interior pressure is greater than 0.02" w.c. (adjustable) in comparison the outside pressure the modulating power exhaust shall be engaged and the VFD shall be controlled to miantain the positive building pressure setpoint. The fan shall not be allowed to operate when the differential pressure is less than 0.01" w.c. (adjustable) If the fan is commanded to be on but the fan status is not proven, then an alarm shall be issued using owner's existing priority alarming standards.

MAU MODE:
The unit shall operate in MAU mode when any one of the exhaust fans and/or fume hoods serving the space becomes operational.

The RTU supply fan will start when the user adjustable time schedule in the DDC controller enters the occupied period. When the supply fan is started the controller will verify the supply fan run status. If fan status is not proven an alarm shall be issued using owner's existing priority alarming standards. Once run status is verified the controller will check the outside temperature sensor assigned to each RTU to determine if cooling or heating is required compared to the supply air temperature. The supply air temperature will be maintained by either heating or cooling requirements to maintain the space temperature setpoints. If cooling is required and outdoor air condition is suitable the units internal controller will modulate the mixed air damper to maintain the supply air temperature setpoint. If outdoor condition is not suitable the mixed air dampers will be modulated to a minimum position as determined by the space pressure setpoint (see sequence below). If the mixed air dampers are at minimum position or the outdoor dampers are at 100% open and additional cooling is required the controller will start the compressorized cooling system to maintain the user adjustable cooling space setpoint. If heating is required the controller will energize the first stage of heat, if additional heat is required the second stage of heat is enabled to maintain space temperature heating setpoint. If the space temperature is between the heating and cooling setpoint, the supply fan will continue to operate, but neither heating nor cooling will be enabled. The occupied heating and cooling set points shall be determined by owner's BMS standards and deadband will be set by the BMS.

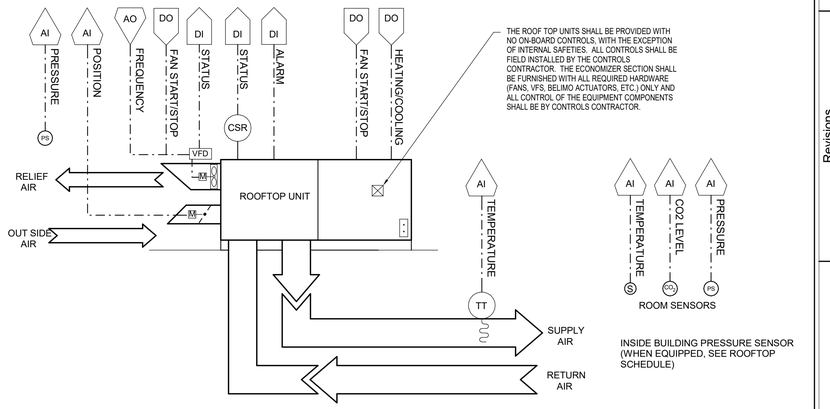
Modulating Economizer Make-up air Operations (DOAS-1 through 3):
The unit shall be provided with one (1) additional pressure sensor. The pressure in the space shall be compared to the pressure in the adjacent hallway or common area. A negative pressure setpoint of -0.02" wc (adjustable) in the space compared to the adjacent hallway shall be maintained by modulating the OSA dampers. As the differential pressure falls below -0.02" wc the OSA damper shall modulate open to maintain the negative space pressure setpoint. The OSA damper shall not go below the minimum damper position as established by the Balancing Contractor (0 cfm to a specified cfm as indicated by the RTU schedule) if the relative pressure differential rises above -0.011" wc (adjustable). The power exhaust fan shall be commanded off and if status is not proven off then an alarm shall be issued using owner's existing priority alarming standards.

Modulating Economizer Make-up air Operations (DOAS-4):
The pressure in the space shall be compared to the outside pressure. A positive pressure setpoint of 0.02" wc (adjustable) in the space compared shall be maintained by modulating the OSA dampers. As the differential pressure falls below 0.02" wc the OSA damper shall modulate open to maintain the positive space pressure setpoint. The OSA damper shall not go below the minimum damper position as established by the Balancing Contractor (0 cfm to a specified cfm as indicated by the RTU schedule) if the relative pressure differential rises above 0.01" wc (adjustable).



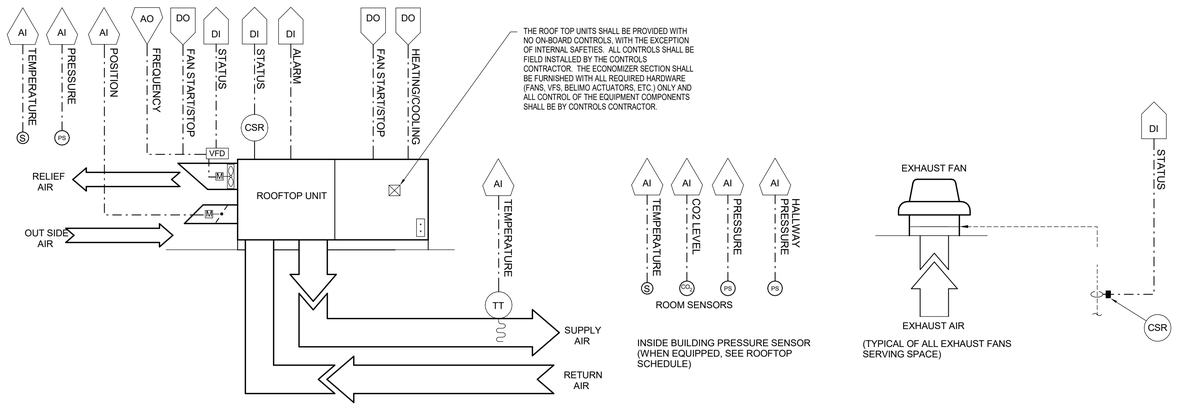
ROOFTOP UNIT CONTROL SYSTEM SCHEMATIC

(WITH CO2 SENSOR AND ECONOMIZER (CENTRIFUGAL ON/OFF RELIEF)



ROOFTOP UNIT CONTROL SYSTEM SCHEMATIC

(WITH CO2 SENSOR AND ECONOMIZER (MODULATING PRESSURE CONTROLLED RELIEF)



DOAS ROOFTOP UNIT CONTROL SYSTEM SCHEMATIC

(WITH CO2 SENSOR AND ECONOMIZER (MODULATING PRESSURE CONTROLLED RELIEF)
(SCIENCE LAB MAKE UP AIR OPERATION)

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Revisions
Description | Date | #

CSI - LeRoy Craig Jerome Center
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DATE: 10/28/24
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CHECKED BY: JR

BID SET

DRAWING NO.:
M5.1
MECHANICAL CONTROLS

SEQUENCE OF OPERATIONS

Exhaust Fans on the General Occupancy Schedule:

Exhaust fan will start / stop based on the user adjustable building occupied schedule.

Ductless Split Systems:

The fan coil unit and condensing unit shall operate continuously on "stand alone" controls.

The space temperature shall all be monitored by the DDC system and an alarm shall be issued using owner's existing priority alarming standards if any space temperature is beyond the predetermined setpoints.

Cooler/Freezer Monitoring:

The Cooler and Freezer spaces shall all be monitored by the DDC system and an alarm shall be issued using owner's existing priority alarming standards if any space temperature is beyond the predetermined setpoints.

General Space Temperature Monitoring:

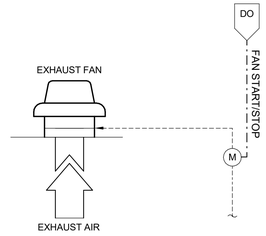
The space temperature shall all be monitored by the DDC system and an alarm shall be issued using owner's existing priority alarming standards if any space temperature is beyond the predetermined setpoints.

Hot Water Temperature Safety Valve:

The hot water temperature shall be monitored downstream of the tempering station to confirm proper operations of the mixing valve. If the water temperature is outside of the predetermined min and max temperature settings, then an alarm shall be issued using owner's existing priority alarming standards and the safety valve shall close.

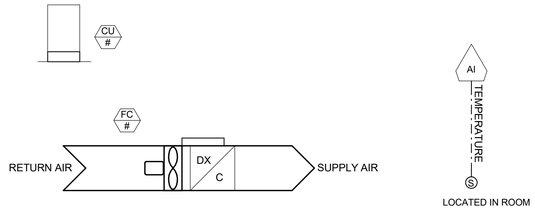
Domestic Hot Water Recirculation Pumps:

The recirculation pumps shall start when the user adjustable time schedule in the DDC controller enters the occupied period. When the recirculation pump is started the controller will verify the run status. If the pump status is not proven an alarm shall be issued using owner's existing priority alarming standards.



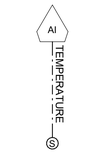
EXHAUST FAN CONTROL SYSTEM SCHEMATIC

(EXHAUST FAN ON GENERAL OCCUPANCY SCHDEULE)

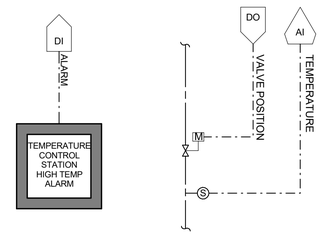


DUCTLESS SPLIT SYSTEM MONITORING SCHEMATIC

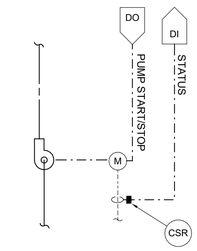
GENERAL SPACE TEMPERATURE MONITORING SCHEMATIC



COOLER AND FREEZER AND OTHER CRITICAL AREAS SPACE MONITORING SCHEMATIC



HOT WATER TEMPERATURE SAFETY VALVE CONTROL SYSTEM SCHEMATIC



DOMESTIC HOT WATER PUMP CONTROL SYSTEM SCHEMATIC

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STATE OF IDAHO
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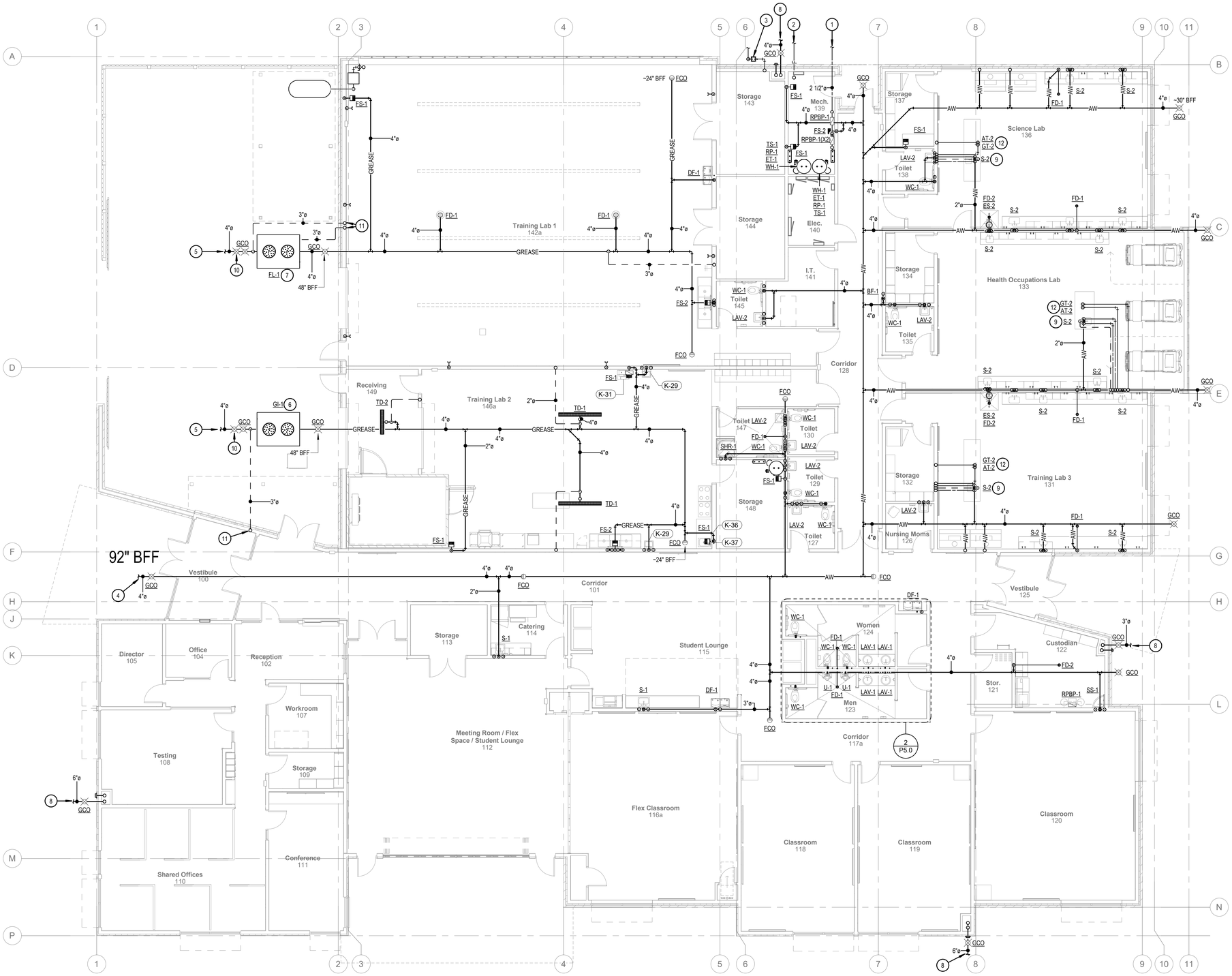
MECHANICAL CONTROLS



1 PLUMBING FOUNDATION PLAN
1/8" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. NEW DOMESTIC WATER LINE, SIZED AS INDICATED, FROM NEW 2 1/2-INCH WATER METER. REFER TO CIVIL PLANS FOR CONTINUATION.
2. FIRE SPRINKLER LINE TO BE SIZED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR. REFER TO SPECIFICATIONS FOR ADDITIONAL FIRE SPRINKLER SYSTEM REQUIREMENTS.
3. GAS METER FURNISED AND INSTALLED BY LOCAL GAS COMPANY. REFER TO GAS SIZING CHART FOR ADDITIONAL INFORMATION. COORDINATE INSTALLTION WITH LOCAL GAS COMPANY.
4. NEW WASTE LINE OUT TO MAIN. SEE CIVIL PLANS FOR CONTINUATION. INVERT ELEVATION IS 92" BELOW FINISH FLOOR BASED ON A SLOPE OF 1/4 INCH PER 1 FOOT AND A STARING DEPTH OF 30" BELOW FINISH FLOOR.
5. WASTE LINE FROM INTERCEPTOR OUT TO MAIN SEE CIVIL PLANS FOR CONTINUATION.
6. SEE GREASE INTERCEPTOR DETAIL FOR REQUIREMENTS.
7. SEE FLAMMABLE LIQUIDS INTERCEPTOR DETAIL FOR REQUIREMENTS.
8. ROUTE ROOF DRAIN TO BELOW GRADE AND OUT OF BUILDING JUST ABOVE FOOTING. SEE CIVIL PLANS FOR CONTINUATION.
9. SEE ISLAND SINK VENT DETAIL.
10. SAMPLING STATION PORT.
11. VENT UP IN WALL. SEE PLUMBING FLOOR PLAN FOR CONTINUATION.
12. ROUTE PIPING BELOW SLAB OUT TO ISLAND.

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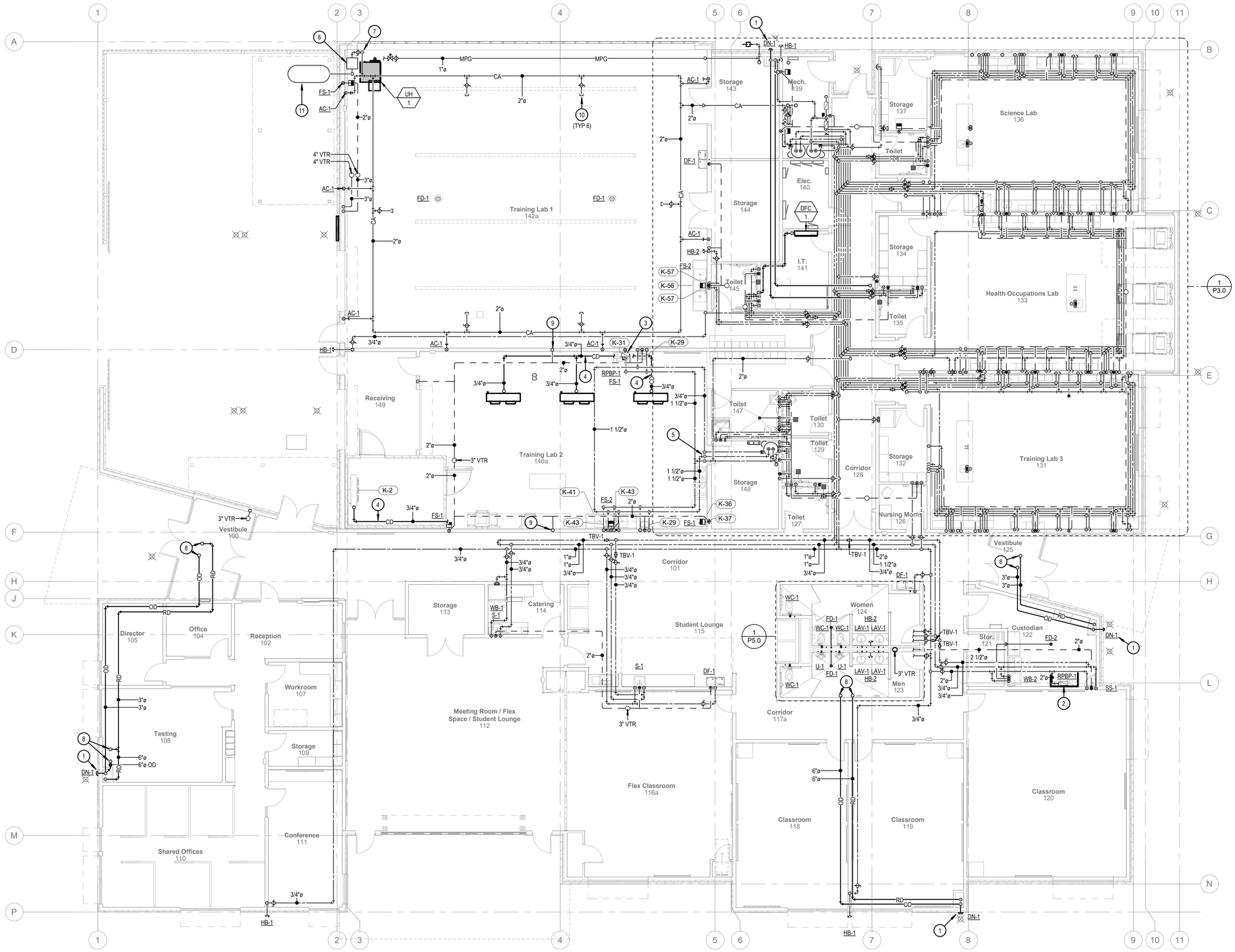
P1.0
PLUMBING FOUNDATION PLAN



KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. INSTALL DOWNSPOUT NOZZLE 18-INCHES ABOVE GRADE WITH CONCRETE SPLASH BLOCK.
2. PROVIDE RPBP FOR WATER LINE PRIOR TO CONNECTION TO OWNER PROVIDED CHEMICAL SYSTEM. INDIRECT RPBP TO SERVICE SINK.
3. PROVIDE RPBP FOR WATER LINE PRIOR TO CONNECTION POWER WASH SYSTEM. INDIRECT RPBP TO FLOOR SINK.
4. INDIRECT CONDENSASTE LINE TO FLOOR SINK FROM EVAPORATOR COIL AS SHOWN. INSULATE AND HEAT TRACE PIPE.
5. PUT ISOLATION VALVES IN WATER PIPE RISER AS LOW AS POSSIBLE FOR EASY ACCESS.
6. INSTALL AIR DRYER FOR AIR COMPRESSOR AND ALL FILTERS INSIDE. INSULATE PIPING FROM AIR COMPRESSOR TO AIR DRYER.
7. AIR COMPRESSOR PRESSURE REGULATING STATION LOCATION. PRESSURE REGULATING STATION TO BE CHAMPION CHX SERIES OR EQUAL.
8. ROOF AND OVERLFOW PIPES UP THROGH ROOF TO FIXTURE ABOVE.
9. TRENCH DRAIN VENT PIPE UP IN WALL FROM BELOW GRADE. SEE FOUNDATION PLUMBING PLAN FOR CONTINUATION.
10. PROVIDE COMPRESSED AIR STUB WITH ISOLATION VAVLE FOR FUTURE CONNECTIONS.
11. AIR COMPRESSOR LOCATION. AIR COMPRESSOR AND ASSOCIATE AIR DRYER AND ALL ACCESSORIES PROVIDED BY OWNER.

(1) PLUMBING FLOOR PLAN
1/8" = 1'-0"

NORTH

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P1.1
PLUMBING FLOOR PLAN

1 PLUMBING ROOF PLAN
1/8" = 1'-0"

NORTH

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. SEE ROOFTOP UNIT CONDENSATE DRAIN DETAIL FOR REQUIREMENTS.
2. INSTALL PRESSURE REGULATOR IN GAS LINE THEN ROUTE DOWN THROUGH ROOF. SEE PLUMBING FLOOR PLANS FOR CONTINUATION. SEE GAS PRESSURE REGULATOR DETAIL FOR REQUIREMENTS.
3. SEE GAS PRESSURE REGULATOR DETAIL AND ROOFTOP UNIT GAS EQUIPMENT CONNECTION DETAIL FOR REQUIREMENTS.
4. GAS LINE UP FROM BELOW. SEE PLUMBING FLOOR PLAN AND ENLARGED PLUMBING FLOOR PLAN FOR CONTINUATION.

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DRAWING NO.:
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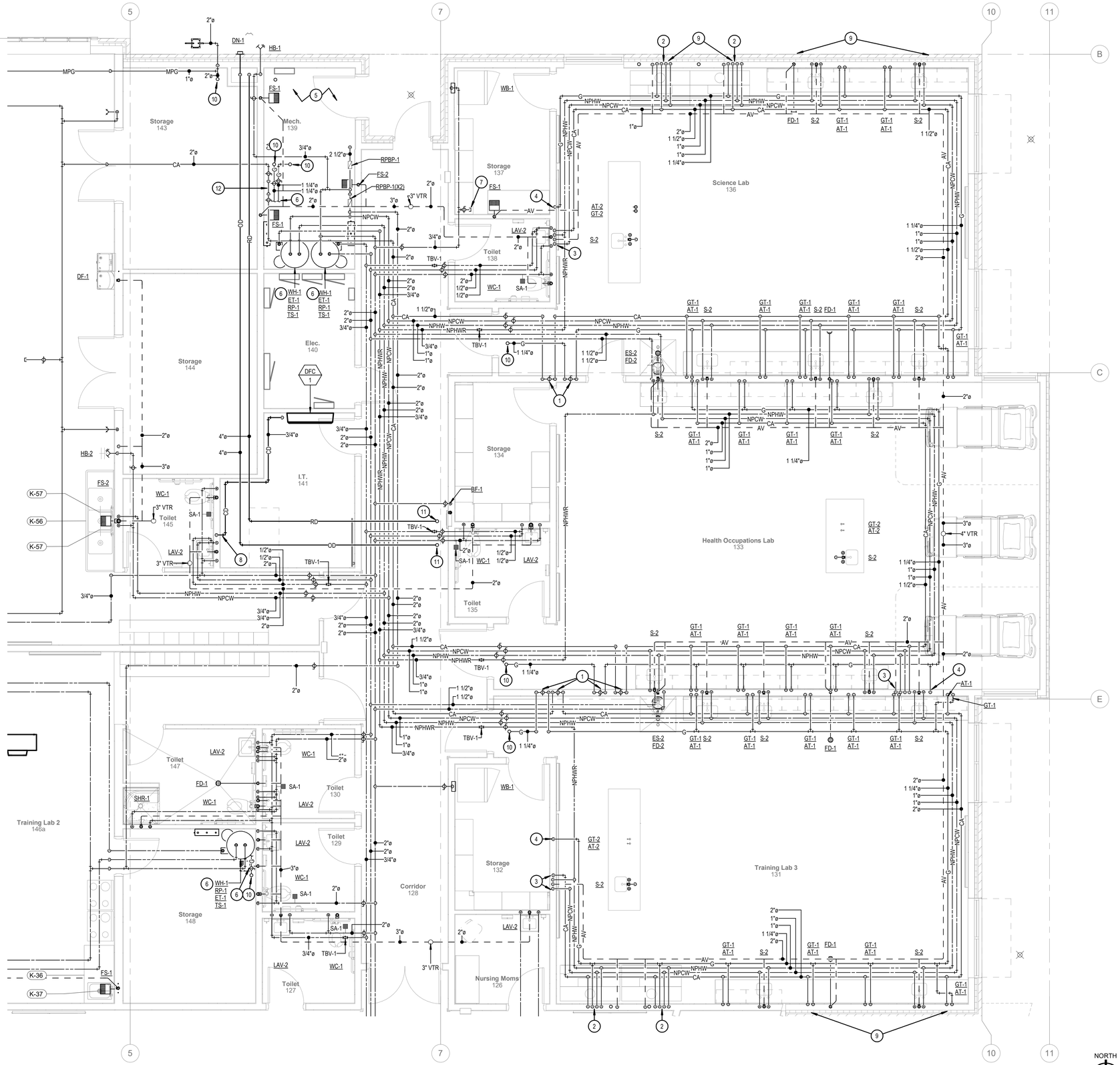
PLUMBING ROOF PLAN



1 ENLARGED PLUMBING FLOOR PLAN
1/4" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. GAS/AIR SHUTOFF VALVE TO ISOLATE GAS/AIR TURRETS. LOCATE VALVE IN RECESSED VALVE BOX WITH A ACCESS DOOR AND A LEVER HANDLE. PAINT ACCESS DOOR TO MATCH WALL COLOR. LABEL VALVE BOX INDICATING THE ROOM NAME AND 'GAS SHUTOFF' OR 'AIR SHUTOFF' AS APPLICABLE WITH A BLACK FORMICA LABEL, WITH WHITE REVEAL WHEN ENGRAVED. LETTERING TO BE 1/4" HIGH MINIMUM. LOCATE VALVE BOX 48" ABOVE FINISH FLOOR.
2. ROUTE WATER, VENT, GAS, AND AIR PIPING DOWN WALL AND CONNECT TO FUME HOOD ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. ROUTE WATER, GAS AND VENT LINES DOWN BELOW GRADE AND TO ISLAND SINK. ROUTE IN PROTECTIVE PIPE SLEEVE.
4. SEE GAS PIPING UNDER SLAB SLEEVE DETAIL FOR REQUIREMENTS.
5. AREA RESERVED FOR FIRE SPRINKLER RISER SYSTEM. FIRE SPRINKLER RISER SYSTEM SHALL INCLUDE A TAMPER SWITCH, FLOW SWITCH, ALARM BELL, FIRE DEPARTMENT CONNECTION, AND POST INDICATOR VALVE (PIV).
6. SEE WATER HEATER DETAIL FOR CONNECTIONS AND REQUIREMENTS.
7. PROVIDE 3/4" WATER TAP WITH ISOLATION VALVE FOR FUTURE EQUIPMENT CONNECTION IN STORAGE 137.
8. TIE CONDENSATE DRAIN IN WITH LAV TAILPIECE. SEE LAV TAILPIECE AND TRAP WITH CONDENSATE DETAIL.
9. ROUTE ALL PIPING IN EXTERIOR WALLS ON WARM SIDE OF INSULATION TO PREVENT FREEZING.
10. GAS LINE DOWN THROUGH ROOF. SEE ROOF PLUMBING PLAN FOR CONTINUATION.
11. ROOF AND OVERLFOW PIPES UP THROGH ROOF TO FIXTURE ABOVE.
12. CHAMPION CHX OR EQUAL PRESSURE REGULATING STATION FOR PRESSURE CONTROL OF COMPRESSED AIR LINE SERVING SCIENCE LAB, HEALTH OCCUPATIONS LAB, AND TRAINING LAB 3. LABEL STATION ACCORDINGLY.

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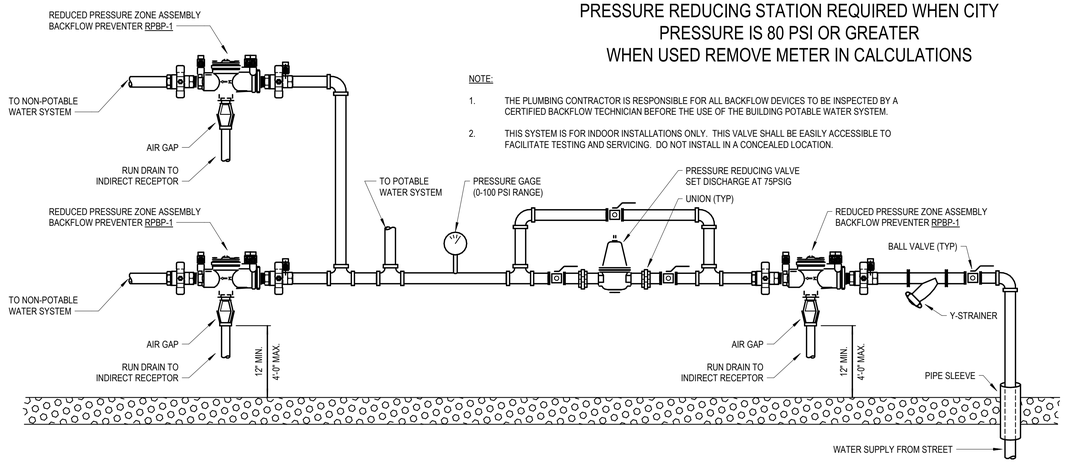
P3.0
ENLARGED PLUMBING FLOOR PLAN

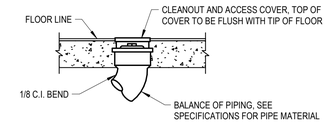
PRESSURE REDUCING STATION REQUIRED WHEN CITY PRESSURE IS 80 PSI OR GREATER WHEN USED REMOVE METER IN CALCULATIONS



NOTE:

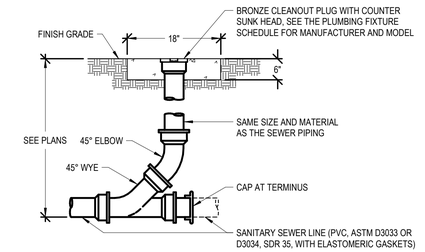
1. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL BACKFLOW DEVICES TO BE INSPECTED BY A CERTIFIED BACKFLOW TECHNICIAN BEFORE THE USE OF THE BUILDING POTABLE WATER SYSTEM.
2. THIS SYSTEM IS FOR INDOOR INSTALLATIONS ONLY. THIS VALVE SHALL BE EASILY ACCESSIBLE TO FACILITATE TESTING AND SERVICING. DO NOT INSTALL IN A CONCEALED LOCATION.

① BUILDING WATER SERVICE DETAIL
NTS

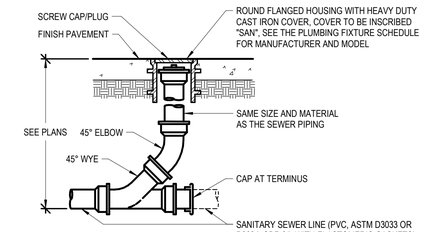


NOTE:
1. CLEANOUTS SHALL BE PROVIDED AT EACH HORIZONTAL DRAINAGE PIPE AT ITS UPPER TERMINAL, AND EACH RUN OF PIPING WHICH IS MORE THAN 100 FEET, AND SHALL BE PROVIDED FOR EACH 100 FEET DEVELOPED LENGTH, OR FRACTION THEREOF OF SUCH PIPING. AN ADDITIONAL CLEANOUT SHALL BE PROVIDED FOR EACH AGGREGATE HORIZONTAL CHANGE OF DIRECTION EXCEEDING ONE HUNDRED THIRTY-FIVE DEGREES, PER APPLICABLE PLUMBING CODE. THIS SHALL BE PROVIDED REGARDLESS OF WHAT IS SHOWN ON THE DRAWINGS.

② FLOOR CLEANOUT (FCO) DETAIL
NTS

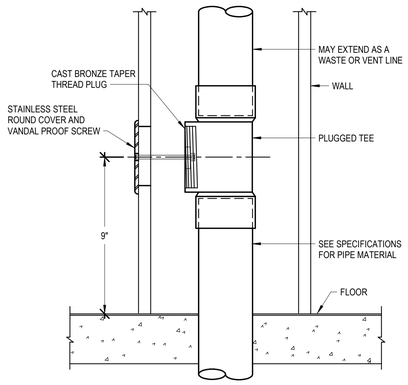


PEDESTRIAN TRAFFIC AREAS / NON-PAVED AREAS

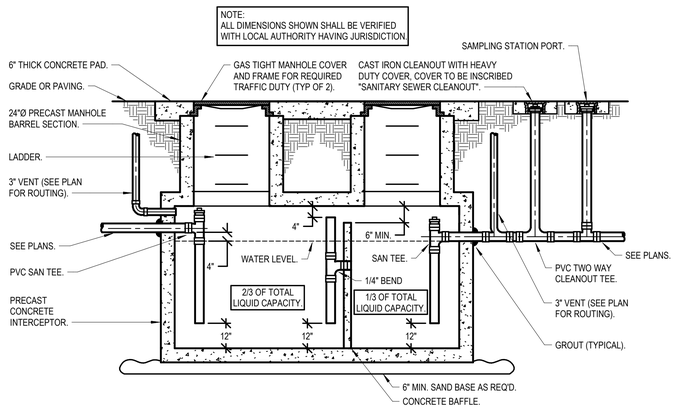


VEHICULAR TRAFFIC AREAS / PAVED AREAS

③ GRADE CLEANOUT (GCO) DETAIL
NTS

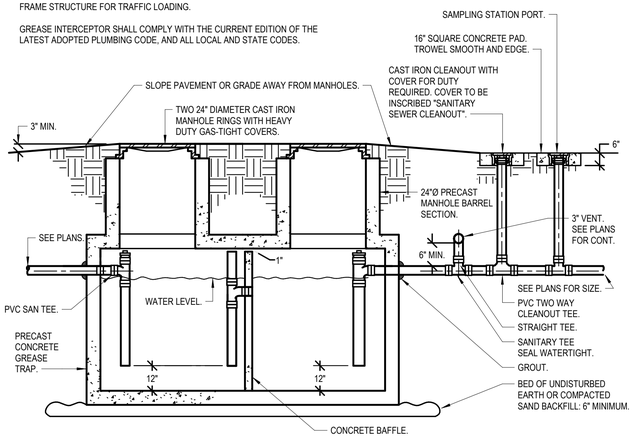


④ WALL CLEANOUT (WCO) DETAIL
NTS

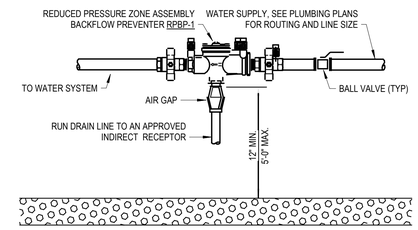


⑤ FLAMMABLE LIQUIDS INTERCEPTOR DETAIL (1500 GALLONS)
NTS

NOTES:
1. ALL DIMENSIONS SHOWN SHALL BE VERIFIED WITH LOCAL AUTHORITY HAVING JURISDICTION.
2. INTERCEPTOR EXCEEDING 6'-6" IN DEPTH MUST BE CONSTRUCTED OF REINFORCED CONCRETE.
3. ALL SURFACE WATER TO DRAIN AWAY FROM INTERCEPTOR.
4. FRAME STRUCTURE FOR TRAFFIC LOADING.
5. GREASE INTERCEPTOR SHALL COMPLY WITH THE CURRENT EDITION OF THE LATEST ADOPTED PLUMBING CODE, AND ALL LOCAL AND STATE CODES.



⑥ GREASE INTERCEPTOR DETAIL (1500 GALLONS)
NTS



⑦ REDUCED PRESSURE BACKFLOW PREVENTER DETAIL
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PROFESSIONAL ENGINEER REGISTERED 13317 11/5/2024 STATE OF IDAHO JASON A. RICE

Revisions
Description | Date | #

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: JAD
CHECKED BY: JR

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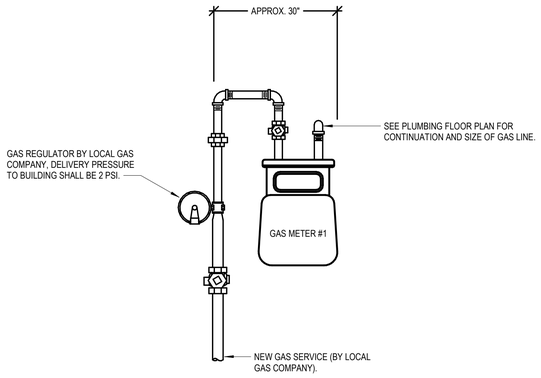
DRAWING NO.:
P4.0
PLUMBING DETAILS

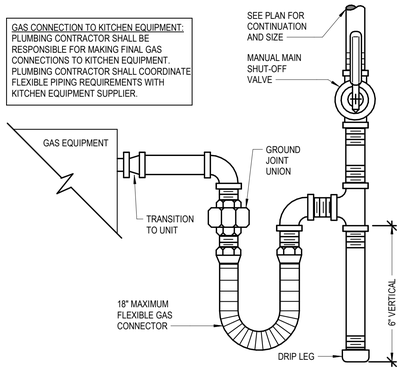
MINIMUM CLEARANCE DISTANCE TO GAS METER OR REGULATOR VENT:

1. 10-FEET TO WINDOW MOUNTED WALL FAN.
2. 10-FEET TO WINDOW OR WALL MOUNTED AIR CONDITIONER.
3. 10-FEET TO MECHANICAL SYSTEM INTAKE.
4. 3-FEET TO HEATING APPLIANCE AIR INTAKE OR EXHAUST OPENING.
5. 3-FEET TO CLOTHES DRYER INTAKE OR EXHAUST VENT OPENING.
6. 3-FEET TO BATHROOM FAN VENT OPENING.
7. 3-FEET CLEAR IN FRONT OF METER.
8. 3-FEET TO ELECTRICAL GENERATOR OR ELECTRICAL TRANSFORMER.
9. 3-FEET TO ELECTRICAL METERS, ELECTRICAL PANELS AND OTHER SOURCES OF IGNITION.
10. 3-FEET TO AIR CONDITIONER OR HEAT PUMP (PAD MOUNTED).
11. 3-FEET TO OPEN FLAME BARBEQUE OR OTHER OPEN FLAME DEVICE.
12. 2-FEET TO TELEPHONE, CABLE OR OTHER COMMUNICATIONS CONNECTION BOX OR TERMINAL.
13. 2-FEET TO WATER SPIGOT (HOSE BIBB).
14. 2-FEET ON EITHER SIDE OF METER TO LANDSCAPE FEATURES LIKE SHRUBS OR FENCES.
15. 12-INCHES TO ELECTRICAL GROUND ROD.
16. 12-INCHES TO ANY OUTSIDE BUILDING CORNER.



1 GAS METER BANK PIPING DETAIL
NTS

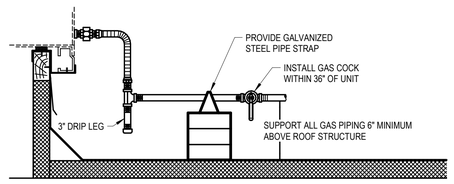
GAS CONNECTION TO KITCHEN EQUIPMENT:
PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FINAL GAS CONNECTIONS TO KITCHEN EQUIPMENT. PLUMBING CONTRACTOR SHALL COORDINATE FLEXIBLE PIPING REQUIREMENTS WITH KITCHEN EQUIPMENT SUPPLIER.



2 GAS EQUIPMENT CONNECTION DETAIL
NTS

EQUIPMENT CONNECTION NOTES:

1. INSTALL FLEX CONNECTION AT ALL ROOF TOP UNITS WHICH HAVE SPRING ISOLATION CURBS (36" MAXIMUM)
2. INSTALL SOLID PIPE CONNECTION TO ALL ROOF TOP UNITS WHICH DO NOT HAVE SPRING ISOLATION CURBS
3. PAINT PIPE WITH RUST RESISTANT PRIMER, RED OR GRAY. SHERWIN WILLIAMS PRO INDUSTRIAL DTM OR APPROVED EQUAL.

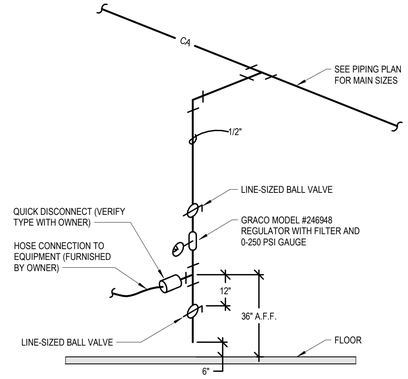


APPROVED PIPE SUPPORT SYSTEMS:

- MIRO MODEL 1.5 WITH SPACERS
- ADVANCED SUPPORT PRODUCTS
- VERSABLOCK BY FREEDOM INC

PIPE SUPPORT REQUIREMENTS	
SIZE OF PIPE	SUPPORT REQUIRED
1/2"	6' O.C.
3/4" - 1"	8' O.C.
1-1/4" OR LARGER	10' O.C.

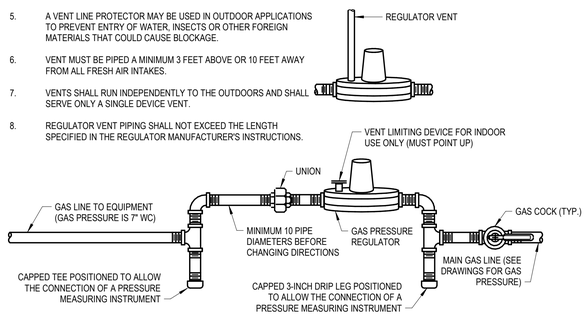
3 GAS EQUIPMENT CONNECTION DETAIL (ROOFTOP UNIT)
NTS



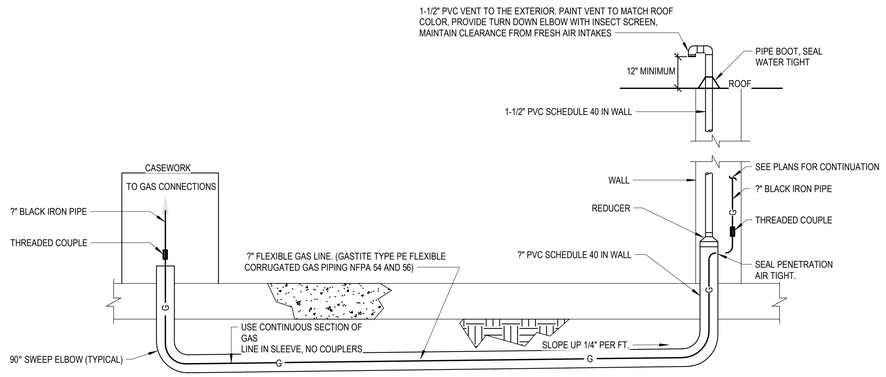
4 COMPRESSED AIR DETAIL
NTS

VENTING NOTES:

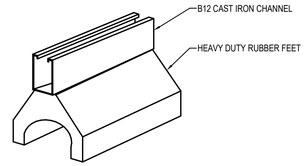
1. VENT REGULATORS PER MANUFACTURER'S AND LOCAL GAS COMPANY'S REQUIREMENTS.
2. DO NOT REDUCE THE VENT PIPE SIZE FROM THE REGULATOR.
3. TO LIMIT THE CONSEQUENCES OF RAIN, SNOW OR DEBRIS GETTING INTO THE VENT, ALWAYS TURN THE OUTLET OF THE VENT DOWN AND ABOVE POTENTIAL WATER OR SNOW LINES.
4. PROVIDE A BUG SCREEN ON THE VENT OUTLET TO DETER INSECTS FROM NESTING IN THE LINE. NEVER PAINT OVER THE BUG SCREEN.
5. A VENT LINE PROTECTOR MAY BE USED IN OUTDOOR APPLICATIONS TO PREVENT ENTRY OF WATER, INSECTS OR OTHER FOREIGN MATERIALS THAT COULD CAUSE BLOCKAGE.
6. VENT MUST BE PIPED A MINIMUM 3 FEET ABOVE OR 10 FEET AWAY FROM ALL FRESH AIR INTAKES.
7. VENTS SHALL RUN INDEPENDENTLY TO THE OUTDOORS AND SHALL SERVE ONLY A SINGLE DEVICE VENT.
8. REGULATOR VENT PIPING SHALL NOT EXCEED THE LENGTH SPECIFIED IN THE REGULATOR MANUFACTURER'S INSTRUCTIONS.



5 GAS PRESSURE REGULATOR DETAIL
NTS



6 GAS PIPING UNDER SLAB SLEEVE DETAIL
NTS



DURA-BLOCK DB SERIES

NOTE: ALL GAS PIPING SHALL BE SUPPORTED 6" MINIMUM ABOVE ROOF STRUCTURE.

APPROVED PIPE SUPPORT SYSTEMS:

- ADVANCED SUPPORT PRODUCTS

PIPE SUPPORT REQUIREMENTS	
SIZE OF PIPE	SUPPORT REQUIRED
1/2"	6' O.C.
3/4" - 1"	8' O.C.
1-1/4" OR LARGER	10' O.C.

7 ROOF MOUNTED PIPING SUPPORT DETAIL
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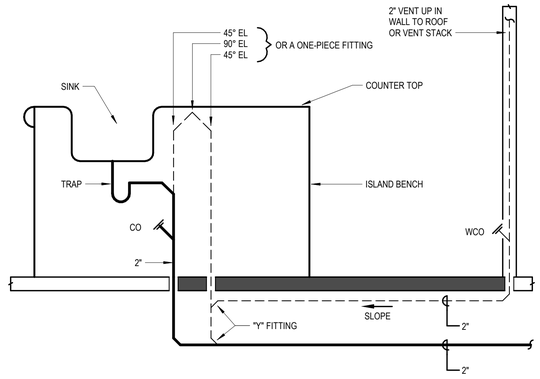
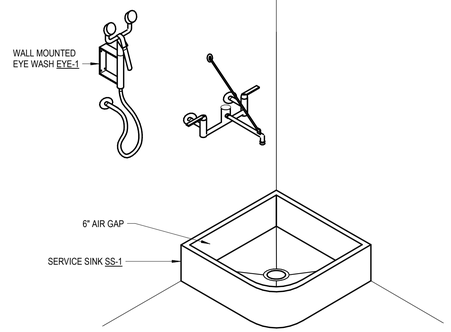
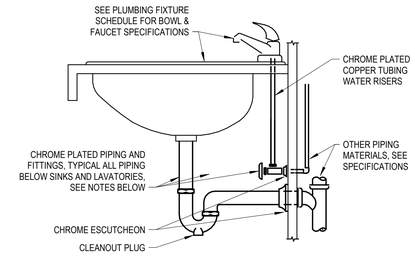


1 ISLAND SINK FOOT VENT DETAIL
NTS



2 SERVICE SINK DETAIL
NTS



NOTES:
A. INTERIOR EXPOSED PIPE, VALVES AND FIXTURE TRIM, INCLUDING TRIM BEHIND CASEWORK DOORS SHALL BE CHROME PLATED.

B. ALL PIPING PENETRATIONS THROUGH FINISHED WALLS SHALL BE PROVIDED WITH CHROME ESCUTCHEONS.

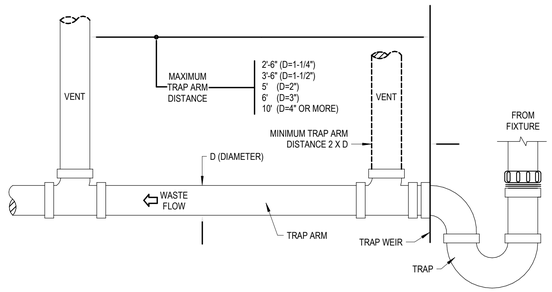
C. ALL SINK TRAPS SHALL BE PROVIDED WITH A CLEANOUT PLUG IN THE BOTTOM OF THE TRAP.

D. ALL PLUMBING FIXTURES SHALL BE CAULKED AND SEALED TO SURROUNDING SURFACES.

3 SINK/LAVATORY TAILPIECE & TRAP DETAIL
NTS

NOTES:

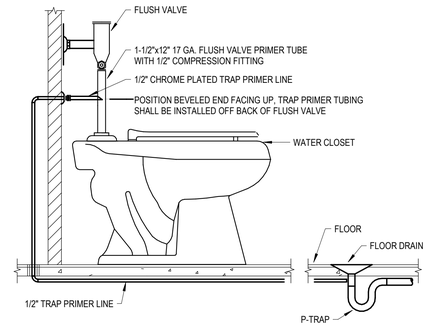
1. MAINTAIN ONE-FOURTH (1/4) INCH PER FOOT SLOPE.
2. THE DEVELOPED LENGTH BETWEEN THE TRAP OF A WATER CLOSET OR SIMILAR FIXTURE (MEASURED FROM THE TOP OF THE CLOSET FLANGE TO THE INNER EDGE OF THE VENT) AND IT'S VENT SHALL NOT EXCEED SIX (6) FEET.
3. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST ADOPTED PLUMBING CODE, AND ALL LOCAL AND STATE CODES.



4 TRAP ARM DETAIL
NTS

FLUSH VALVE TRAP PRIMER NOTES:

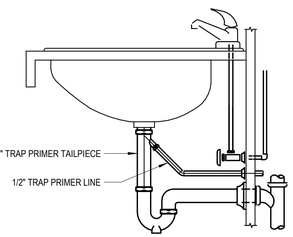
1. THE FLUSH VALVE PRIMER IS DESIGNED TO PRIME ONE FLOOR DRAIN TRAP AT A DISTANCE NOT TO EXCEED 20 FEET FROM POINT OF INSTALLATION.
2. THE FLUSH VALVE PRIMER SHALL BE INSTALLED WITH A VACUUM BREAKER.
3. FLUSH VALVE PRIMER IS INTENDED FOR USE WITH WATER CLOSETS CONSUMING 3.5 TO 1.0 GAL/FLUSH.
4. TRAP PRIMER SHALL BE PRECISION PLUMBING PRODUCTS MODEL FVP-1VB WITH VACUUM BREAKER. APPROVED ALTERNATES: MIFAB, SIOUX CHIEF, AND ZURN.



5 TRAP PRIMER CONNECTION DETAIL (FLUSH VALVE)
NTS

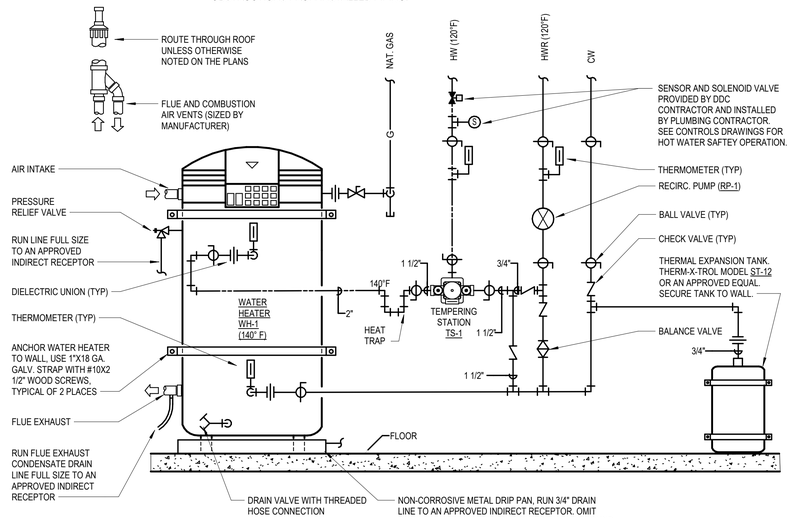
TAILPIECE TRAP PRIMER NOTES:

1. THE TAILPIECE PRIMER IS DESIGNED TO PRIME ONE FLOOR DRAIN TRAP AT A DISTANCE NOT TO EXCEED 20 FEET FROM POINT OF INSTALLATION.
2. TRAP PRIMER SHALL BE DEARBORN BRASS MODEL 832-1 OR AN APPROVED EQUAL.

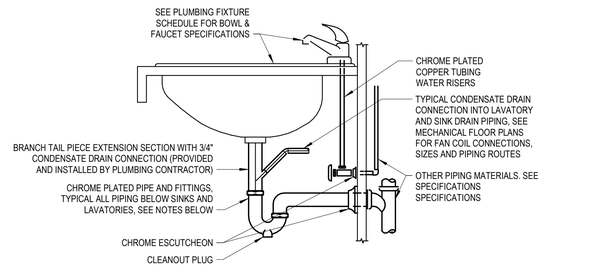


6 TRAP PRIMER CONNECTION DETAIL (SINK TAILPIECE)
NTS

NOTE:
1. PIPING SHALL BE INSTALLED SUCH THAT WATER HEATERS CAN BE REPLACED WITHOUT ANY OBSTRUCTIONS FROM INSTALLED PIPING.

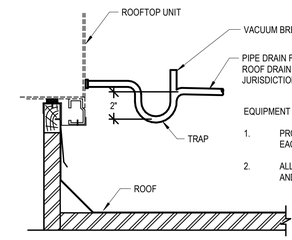


7 HIGH EFFICIENCY GAS WATER HEATER & TEMPERING STATION DETAIL (ONE TEMPERATURE)
NTS



NOTES:
1. INTERIOR EXPOSED PIPE, VALVES AND FIXTURE TRIM, INCLUDING TRIM BEHIND CASEWORK DOORS, SHALL BE CHROME PLATED.
2. ALL PIPING PENETRATIONS THROUGH FINISHED WALLS SHALL BE PROVIDED WITH CHROME ESCUTCHEONS.
3. ALL SINK AND LAVATORY TRAPS SHALL BE PROVIDED WITH A CLEANOUT PLUG IN THE BOTTOM OF THE TRAP.
4. ALL PLUMBING FIXTURES SHALL BE CAULKED AND SEALED TO SURROUNDING SURFACES.
5. PLUMBING CONTRACTOR SHALL VERIFY THE LOCATION OF ALL LAVATORIES AND SINKS THAT NEED TO BE INSTALLED WITH THE BRANCH TAIL PIECE SECTION WITH 3/4" DRAIN CONNECTION. THE PLUMBING CONTRACTOR WILL BE RESPONSIBLE TO VERIFY THE PLUMBING ROUGH-IN DIMENSIONS AND SHALL TAKE INTO ACCOUNT THE TAIL PIECE EXTENSION DIMENSIONS.

8 SINK/LAVATORY TAILPIECE & TRAP DETAIL (W/ CONDENSATE)
NTS



EQUIPMENT CONNECTION NOTES:
1. PROVIDE RUNNING TRAP WITH AIR VENT AT EACH EQUIPMENT CONNECTION
2. ALL CONDENSATE DRAIN PIPING ON ROOF AND/OR AT UNIT SHALL BE TYPE L COPPER

APPROVED PIPE SUPPORT SYSTEMS:
- MIRO MODEL 1.5 WITH SPACERS
- ADVANCED SUPPORT PRODUCTS
- VERSABLOCK BY FREEDOM INC.

PIPE SUPPORT REQUIREMENTS	
SIZE OF PIPE	SUPPORT REQUIRED
1/2"	6' O.C.
3/4" - 1"	8' O.C.
1-1/4" OR LARGER	10' O.C.

9 CONDENSATE DRAIN DETAIL - ROOFTOP UNIT
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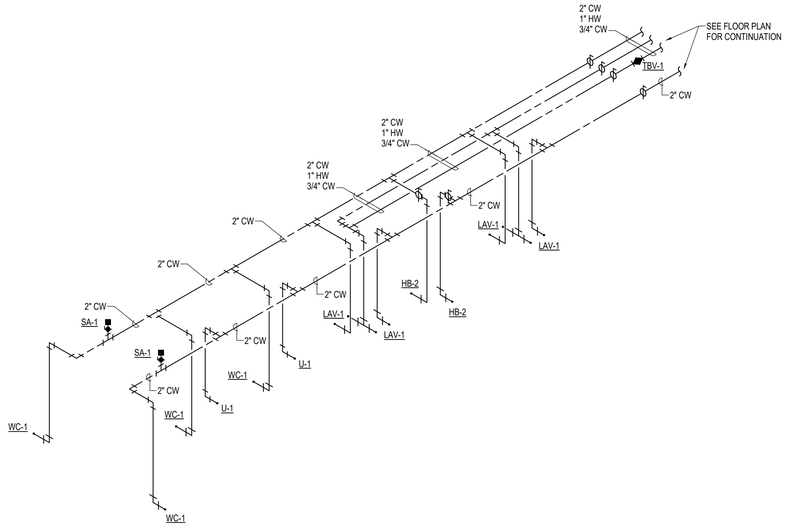
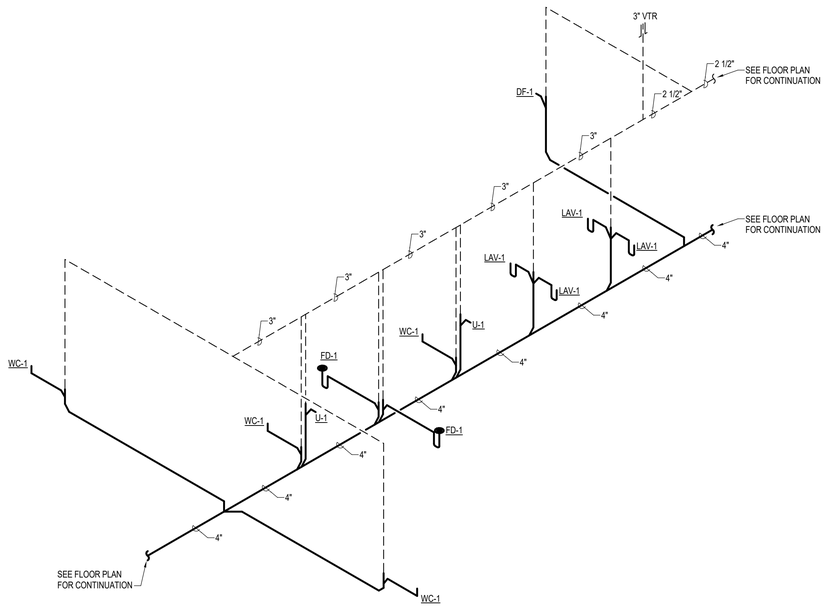


1 WATER RISER MEN 123 / WOMEN 124
NTS



2 WASTE AND VENT RISER MEN 123 / WOMEN 124
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PLUMBING RISERS

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
AC-1	AIR COUPLING WITH REGULATOR	--	--	--	--	--	PLUMBING CONTRACTOR NEEDS TO COORDINATE WITH OWNER ON STYLE OF AIR COUPLING. PROVIDE WITH GRACO MODEL 246948 REGULATOR WITH FILTER.
AT-1	SINGLE AIR TURRET (WALL MOUNTED)	--	--	--	--	--	CHICAGO FAUCETS LGB1-11A-55, SINGLE WALL FLANGE WITH SHANK, WALL MOUNTED GAS TURRET WITH SINGLE OUTLET, BALL VALVE, INLET SHANK AND SERRATED NOZZLE. PROVIDE WITH AIR IDENTIFIER BUTTON. CONFIRM FINAL LOCATION WITH ARCHITECT.
AT-2	SINGLE AIR TURRET (DECK MOUNTED)	--	--	--	--	--	CHICAGO FAUCETS LGB1-11A-10, DECK MOUNTED GAS TURRET WITH SINGLE OUTLET, BALL VALVE, INLET SHANK AND SERRATED NOZZLE. PROVIDE WITH AIR IDENTIFIER BUTTON. CONFIRM FINAL LOCATION WITH ARCHITECT.
BF-1	BOTTLE FILLING STATION (FILTERED DISPENSER) (W/ REMOTE CHILLER) (ADA COMPLIANT) (HIGH/LOW)	1 1/2	1 1/2	1 1/2	1/2	--	ELKAY MODEL LBWD00WHC BUILT IN FILTERED WATER DISPENSER. ELECTRONIC BOTTLE FILLER SENSOR ACTIVATED. PROVIDE WITH STAINLESS STEEL FILTER BOX, MANUFACTURERS 750 GALLON FILTER, MANUFACTURERS ACCESS PANEL. 115 VOLT, 60 HZ. PROVIDE WITH REMOTE CHILLER MODEL ERS11Y AND MANUFACTURERS IN WALL CHILLER BOX. 115 VOLT, 60 HZ CONNECTION.
DF-1	DRINKING FOUNTAIN WITH BOTTLE FILLING STATION (INTERIOR DUAL BUBBLERS) (ELECTRIC WATER COOLER) (ADA COMPLIANT) (HIGH/LOW)	1 1/2	1 1/2	1 1/2	1/2	--	ELKAY MODEL LZSTL8WSLP (FILTERED) MODEL EZSTL8WSVRSK (NON-FILTERED) BI-LEVEL ADA COOLER WITH BOTTLE FILLING STATION FURNISHED WITH FLEXI-GUARD SAFETY BUBBLER. BUBBLER ACTIVATED BY PUSHBAR. BOTTLE FILLER ACTIVATED BY ELECTRONIC SENSOR WITH AUTOMATIC 30-SECOND SHUT-OFF TIMER. 115 VOLT, 5.0 AMPS, 60 HERTZ. PROVIDE WITH JAY R. SMITH 0834 FLOOR MOUNTED SUPPORT CARRIER. OPTION - CANE APRON TO BE INSTALLED ON HIGH COOLER.
DN-1	DOWN SPOUT NOZZLE (CAST IRON)	SEE PLANS	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1770-NB CAST IRON NOZZLE WITH WALL FLANGE, NICKEL-BRONZE FINISH.
ES-1	EMERGENCY EYE WASH/ SHOWER COMBINATION (FLOOR MOUNTED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1 1/4	1 1/4	ACORN SAFETY MODEL S2330-CS1, BARRIER-FREE COMBINATION STATION, STAINLESS STEEL BOWL EYEWASH WITH "CLAM-SHELL" STAINLESS STEEL COVER, STAINLESS STEEL SHOWERHEAD, AND ACORN MODEL ET71-2-BVS-OTG LEAD-FREE EMERGENCY THERMOSTATIC MIXING VALVE WITH 3/4" NPT INLETS & 1" OUTLET, 20 GPM @ 10 PSID. PROVIDE WITH LOCKABLE INLET BALL VALVES, STANDARD OUTLET TEMPERATURE GAUGE, AND SELECTABLE TEMPERATURE RANGE FROM 60°F TO 95°F.
ET-1	EXPANSION TANK	--	--	--	3/4	--	AMTROL THERM-X-TROL ST- 12, OR APPROVED EQUAL, NON-ASME SERIES THERMAL EXPANSION ABSORBER, ANTI-MICROBIAL LINER, AND 5 YEAR WARRANTY.
EYE-1	EMERGENCY EYE WASH (WALL MOUNTED w/ RECOIL HOSE) (USED WITH SERVICE SINK)	--	--	--	1/2	1/2	ACORN SAFETY MODEL S0406-CH12, WALL MOUNTED WITH DUAL 45° ANGLED HEADS AND RECOIL HOSE, PROVIDE WITH FLIP TOP DUST COVERS, UNIVERSAL EMERGENCY SIGN, DOUBLE CHECK VALVE, STAINLESS STEEL 90° WITH SHEET NIPPLE, AND ACORN MODEL ET71-1-BVS-OTG LEAD-FREE EMERGENCY THERMOSTATIC MIXING VALVE WITH 1/2" NPT INLETS & OUTLET, 4 GPM @ 5 PSID. PROVIDE WITH LOCKABLE INLET BALL VALVES, STANDARD OUTLET TEMPERATURE GAUGE, AND SELECTABLE TEMPERATURE RANGE FROM 60°F TO 95°F.
FCO	FLOOR CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4020 SERIES WITH ADJUSTABLE, ROUND NICKEL BRONZE TOP AND ABS PLUG.
FD-1	FLOOR DRAIN (PVC BODY) (CONCRETE FLOOR)	2	2	2	--	--	SIOUX CHIEF SERIES NUMBER 832-2PNR, POST- CONSTRUCTION LEVELING FLOOR DRAIN, NO-HUB OUTLET, 6-1/2" ROUND, ADJUSTABLE NICKEL BRONZE STRAINER AND TRAP PRIMER PORT. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FD-2	FLOOR DRAIN (PVC BODY) (CONCRETE FLOOR)	4	2	4	--	--	SIOUX CHIEF SERIES NUMBER 832-4PNR, POST- CONSTRUCTION LEVELING FLOOR DRAIN, NO-HUB OUTLET, 6-1/2" ROUND, ADJUSTABLE NICKEL BRONZE STRAINER AND TRAP PRIMER PORT. INSTALL TOP OF DRAIN 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FL-1	FLAMMABLE LIQUIDS INTERCEPTOR (1500 GALLONS)	4	3	--	--	--	PRE-CAST CONCRETE, 1500 GALLON CAPACITY, GREASE INTERCEPTOR. SEE DRAWING FOR DETAILS. NO SPLIT DESIGN VAULTS WITH GASKETS BELOW FLUID LEVEL ALLOWED.
FS-1	FLOOR SINK (6" DEEP) (HALF GRATE, FOOT TRAFFIC RATED)	2	2	2	--	--	JAY R. SMITH FIGURE NUMBER 3100Y-12, CAST IRON RECEPTOR, ALUMINUM DOME STRAINER, NICKEL BRONZE GRATE, AND TRAP PRIMER. INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
FS-2	FLOOR SINK (10" DEEP) (HALF GRATE, FOOT TRAFFIC RATED)	4	2	4	--	--	JAY R. SMITH FIGURE NUMBER 3160Y-12, CAST IRON RECEPTOR, ALUMINUM DOME STRAINER, NICKEL BRONZE GRATE, AND TRAP PRIMER. INSTALL TOP OF SINK 1/8" BELOW FINISH FLOOR AND CAULK EDGE.
GCO	GRADE CLEANOUT (NON-PAVED AREAS)	SEE PLANS	--	--	--	--	JAY R. SMITH 4220 SERIES, ROUND EXTRA HEAVY DUTY CAST IRON TOP. FURNISH WITH WITH ABS PLUG. COVER TO BE INSCRIBED "SAN".
GCO	GRADE CLEANOUT (PAVED AREAS) (VEHICULAR TRAFFIC)	SEE PLANS	--	--	--	--	JAY R. SMITH 4250 SERIES, ROUND FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER. FURNISH WITH ABS PLUG. COVER TO BE INSCRIBED "SAN".
GI-1	GREASE INTERCEPTOR (1500 GALLONS)	4	3	--	--	--	PRE-CAST CONCRETE, 1500 GALLON CAPACITY, GREASE INTERCEPTOR. SEE DRAWING FOR DETAILS. NO SPLIT DESIGN VAULTS WITH GASKETS BELOW FLUID LEVEL ALLOWED.
GT-1	SINGLE GAS TURRET (WALL MOUNTED)	--	--	--	--	--	CHICAGO FAUCETS LGB1-11C-55, SINGLE WALL FLANGE WITH SHANK, WALL MOUNTED GAS TURRET WITH SINGLE OUTLET, BALL VALVE, INLET SHANK AND SERRATED NOZZLE. PROVIDE WITH GAS IDENTIFIER BUTTON. CONFIRM FINAL LOCATION WITH ARCHITECT.
GT-2	SINGLE GAS TURRET (DECK MOUNTED)	--	--	--	--	--	CHICAGO FAUCETS LGB1-11C-10, DECK MOUNTED GAS TURRET WITH SINGLE OUTLET, BALL VALVE, INLET SHANK AND SERRATED NOZZLE. PROVIDE WITH AIR IDENTIFIER BUTTON. CONFIRM FINAL LOCATION WITH ARCHITECT.
HB-1	HOSE BIBB (EXTERIOR) (NON-FREEZE)	--	--	--	3/4	--	WOODFORD MODEL 67 - EXPOSED STYLE WITH MODEL 50HA BACKFLOW PREVENTER, 3/4" INLET , AND CHROME PLATED. PROVIDE WITH TEE KEY AND INSTALL AT 18" ABOVE FINISH GRADE.
HB-2	HOSE BIBB (INTERIOR)(LOCKABLE BOX AND DOOR)	--	--	--	3/4	--	WOODFORD MODEL B26 - EXPOSED STYLE WITH 3/4" INLET, AND CHROME PLATED. PROVIDE WITH METAL WHEEL HANDLE AND WOODFORD MODEL 50HF BACKFLOW PREVENTER.
LAV-1	MOTION SENSOR LAVATORY (COUNTERTOP / CABINET MOUNTED) (BATTERY OPERATED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER PENNINGTON MODEL K-2196-1: VITREOUS CHINA, COUNTERTOP MOUNTED, SINGLE FAUCET HOLE, AND GRID STRAINER. SLOAN OPTIMA PLUS MODEL EAF-350 BATTERY POWERED FAUCET WITH 4" TRIM PLATE AND WATTS SERIES LFUSG-B LEAD-FREE, THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F. PROVIDE WITH PIPING INSULATION, TRUEBRO LAV GUARD, PLUMBEREX HANDI-SHIELD, OR EQUAL.
LAV-2	MOTION SENSOR LAVATORY (WALL MOUNTED) (BATTERY OPERATED) (ADA COMPLIANT)	1 1/2	1 1/2	1 1/4	1/2	1/2	KOHLER KINGSTON MODEL K-2005, WITH GRID STRAINER, SLOAN OPTIMA PLUS MODEL EAF-350 BATTERY POWERED FAUCET WITH 4" TRIM PLATE AND WATTS SERIES LFUSG-B LEAD-FREE, THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F . PROVIDE WITH JAY R. SMITH FIGURE NUMBER 0700-Z SUPPORT WITH CONCEALED ARMS. PROVIDE WITH LS-1 LAV SHIELD.
LS-1	LAVATORY SHIELD (WALL MOUNTED SHIELD FOR CONCEALING PIPING, VALVES, AND INSTANTANEOUS WATER HEATERS)	--	--	--	--	--	TRUEBRO "LAV SHIELD", ADA COMPLIANT, TOTAL ENCLOSURE. SINGLE-PIECE CONSTRUCTION AND PRE-CUT TO MATCH LAVATORY FURNISHED BY CONTRACTOR.
OD-1	OVERFLOW ROOF DRAIN (METAL GRATE)	SEE PLANS	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1070Y GENERAL PURPOSE DRAIN WITH LOW PROFILE DOME. PROVIDE WITH SUMP RECEIVER, UNDERDECK CLAMP, CAST IRON DOME, INTERNAL DAM STANDPIPE, AND RAIN SHIELD.
RD-1	ROOF DRAIN (LOW PROFILE DOME STYLE) (METAL GRATE)	SEE PLANS	--	--	--	--	JAY R. SMITH FIGURE NUMBER 1010Y GENERAL PURPOSE DRAIN WITH LOW PROFILE DOME. PROVIDE WITH SUMP RECEIVER, UNDERDECK CLAMP, AND CAST IRON DOME.
RP-1	RECIRCULATION PUMP (HOT WATER RETURN SYSTEM) (VARIABLE SPEED PUMP)	--	--	--	--	3/4	BELL AND GOSSETT STAINLESS STEEL ECOCIRC XLN 20-35, 115 VOLT HARD WIRED, 1/12 HP, 85 WATTS. PUMP IS RATED FOR 20 GPM AT 10FT HEAD. PUMP SHALL BE PROVIDED WITH AUTOMATIC NIGHT MODE, TEMPERATURE CONTROL MODE, CONTROL AND DISPLAY PANEL, INPUT/OUTPUT POINTS. CONTROL PUMP TO CONSTANT TEMPERATURE MODEL. APPROVED ALTERNATE: ARMSTRONG, TACO, GRUNDFOS.
RPBP-1	REDUCED PRESSURE BACKFLOW PREVENTER	INDIRECT			--	--	WATTS SERIES LF009 LEAD-FREE REDUCED PRESSURE ZONE ASSEMBLY WITH QUARTER-TURN BALL VALVES, STRAINER, AND AIR GAP. CAST COPPER BODY CONSTRUCTION - 1/2" THRU 2". PROVIDE SERIES 957 FOR SIZES 2 1/2" THRU 10". SEE NOTE __.
S-1	SINK - SINGLE COMPARTMENT (17" X 20" X 6 1/2") (ADA COMPLIANT)	2	1 1/2	1 1/2	1/2	1/2	ELKAY LUSTERTONE MODEL LRAD172065: 6-1/2" DEEP, STAINLESS STEEL SINK. PROVIDE AND INSTALL ELKAY MODEL LK3001CR SINGLE LEVER CHROME FAUCET WITH SWING SPOUT AND HOSE SPRAY, ELKAY MODEL LK35 STAINLESS STEEL STRAINER BASKET AND TAILPIECE, AND WATTS SERIES LFUSG-B LEAD-FREE, THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
S-2	SINK - SINGLE COMPARTMENT (SCIENCE FAUCET)	2	1 1/2	1 1/2	1/2	1/2	EPOXY INTEGRAL SINK BOWL INSTALLED BY OTHERS. PROVIDE AND INSTALL CHICAGO FAUCETS MODEL LWM1-A14-E DECK MOUNTED DUAL INLET FAUCET SINGLE HOLE MOUNTING, ELKAY MODEL LK-372 STAINLESS STEEL STRAINER AND TAILPIECE, PROVIDE PASCO PLUMB-SPEC ACID RESISTANT, 20 GAUGE, 304 STAINLESS STEEL TRAP, AND WATTS SERIES LFUSG-B LEAD-FREE, THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
SA-1	SHOCK ABSORBER (WATER HAMMER ARRESTOR)	--	--	--	--	--	JAY R. SMITH FIGURE NUMBER 5005 TO 5050, SIZED PER FIXTURES SERVED. PROVIDE AN ACCESS PANEL AND A BALL TYPE SHUT-OFF VALVE UPSTREAM OF SHOCK ABSORBER.

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	CONNECTION SIZE					MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS
		WASTE	VENT	TRAP	CW	HW	
SHR-1	SHOWER (36" X 36" X 77") (INSERT STYLE - TRANSFER) (ADA / ANSI 117.1 COMPLIANT)	2	1 1/2	2	1/2	1/2	AQUATIC BATH MODEL 133636FHARRF, ADA / FHA APPROVED, ONE PIECE MODULE WITH SMOOTH WALL FINISH AND INTEGRAL REINFORCEMENT BACKING, FOLD-UP SEAT, SAFETY GRAB BARS, MOLDED SOAP DISH, 3 1/2" SKIRT, CENTER DRAIN, MOEN 8346 HANDHELD SHOWER SYSTEM WITH 2.5 GPM FLOW RESTRICTOR, POSI-TEMP WITHOUT VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, 1/4" TURN STOPS, 4 PORT CYCLING VALVE, HANDHELD SHOWER, 69" DOUBLE SWIVEL HOSE ASSEMBLY, 30" SLIDE BAR, VACUUM BREAKER, DROP ELL, STAINLESS STEEL CURTAIN ROD WITH ESCUTCHEONS. PROVIDE AND INSTALL SIOUX CHIEF MODEL 827-2B CAULKLESS BRASS DRAIN WITH STAINLESS STEEL STRAINER. PLUMBING CONTRACTOR SHALL SPECIFY WHETHER RIGHT OR LEFT FIXTURE WALL. SEE NOTES 6 AND 7. (36"X36"X77" INTERIOR DIMENSIONS, 41.5"X39.5"79" EXTERIOR DIMENSIONS).
SS-1	SERVICE SINK (28" RADIUS CORNER X 12") (FLOOR MOUNTED)	3	2	3	1/2	1/2	ACORN TERRAZZO-WARE MODEL TCR-28: PROVIDE AND INSTALL WITH MODEL KFC CHROME UTILITY FAUCET, STAINLESS STEEL BUMPER GUARD, DRAIN GASKET, 36" HOSE AND WALL HANGER, MOP HANGER, AND (2) STAINLESS STEEL WALL GUARDS. MOUNT FAUCET 36" AFF.
TBV-1	THERMAL BALANCING VALVE	--	--	--	--	SEE PLANS	CALEFFI THERMOSETTER RECIRCULATION THERMAL BALANCING VALVE MODEL 1161. VALVE SHALL AUTOMATICALLY MODULATE FLOW TO ENSURE CONSTANT TEMPERATURE. ADJUST TEMPERATURE SETTING TO 120°F. SEE PLANS FOR LOCATION AND SIZES.
TD-1	TRENCH DRAIN (7.5" WIDE)(84" LONG) (STAINLESS STEEL)	4	2	4	--	--	ADVANCE TABCO TFG-784 STAINLESS STEEL TRENCH DRAIN WITH STAINLESS STEEL SUBWAY STYLE GRATING FROM 3/16" X 1" BARS. PROVIDE WITH MODEL FT-2 STRAINER BASKET WITH HANDLE.
TD-2	TRENCH DRAIN (7.5" WIDE)(48" LONG) (STAINLESS STEEL)	4	2	4	--	--	ADVANCE TABCO TFG-748 STAINLESS STEEL TRENCH DRAIN WITH STAINLESS STEEL SUBWAY STYLE GRATING FROM 3/16" X 1" BARS. PROVIDE WITH MODEL FT-2 STRAINER BASKET WITH HANDLE.
TP-1	TRAP PRIMER (FLUSH VALVE PRIMER) (1 TRAP)	--	--	--	1/2"	--	PRECISION PLUMBING PRODUCTS MODEL FVP-1VB WITH VACUUM BREAKER. TRAP PRIMER TUBING SHALL BE INSTALLED OFF BACK OF FLUSH VALVE.
TP-2	TRAP PRIMER (LAVATORY TAILPIECE PRIMER) (1 TRAP)	--	--	--	1/2"	--	DEARBORN BRASS 1-1/2" TRAP PRIMER TAILPIECE WITH COMPRESSION CONNECTION.
TS-1	TEMPERING STATION	--	--	--	1 1/2	1 1/2	SYMMONS TEMPCONTROL MODEL NO. 7-900 WITH ROUGH BRONZE FINISH, WALL MOUNTED. PROVIDE WITH TEMPERATURE GAUGE ON OUTLET.
U-1	URINAL (MOTION SENSOR / BATTERY OPERATED) (SEE ARCH FOR MOUNTING HEIGHT)	2	1 1/2	INT.	3/4	--	KOHLER BARDON MODEL K-4991-ET WALL MOUNTED URINAL WITH 3/4" TOP SPUD. SLOAN REGAL 186 SFSM-0.5 SIDE MOUNT OPERATOR WITH MANUAL OVERRIDE FLUSH BUTTON, 0.5 GPF. INCLUDE BEEHIVE STRAINER AND JAY R. SMITH FIGURE NUMBER 0637 ADJUSTABLE FIXTURE SUPPORT.
WB-1	WALL BOX (WATER SUPPLY TO ICE MAKER)	--	--	--	1/2	--	OATEY FIREMASTER MODEL 39121 WITH FACEPLATE AND ADJUSTABLE METAL SUPPORT BRACKETS. FIRE-RATED, LOW LEAD, OR APPROVED EQUAL.
WB-2	WALL BOX (SUPPLY/DRAIN FOR WASHING MACHINE)	2	1 1/2	2	1/2	1/2	OATEY FIREMASTER MODEL 38478 WITH FACEPLATE, ADJUSTABLE METAL SUPPORT BRACKETS, AND WATER HAMMER ARRESTORS. FIRE RATED, OR APPROVED EQUAL.
WC-1	WATER CLOSET (17-1/2" SEAT HEIGHT) (MOTION SENSOR / BATTERY OPERATED) (FLOOR MOUNTED) (COMFORT HEIGHT / ADA COMPLIANT)	4	2	INT.	1	--	KOHLER HIGHCLIFF ULTRA MODEL K-96057 FLOOR MOUNTED WITH ELONGATED BOWL. KOHLER LUSTRA MODEL K-4666-C ELONGATED OPEN FRONT SEAT WITH HINGE. SLOAN REGAL 111 SFSM-1.6 FLUSHOMETER, 1.6 GPF.
WCO	WALL CLEANOUT	SEE PLANS	--	--	--	--	JAY R. SMITH 4472T SERIES WITH CAST BRONZE TAPER THREAD PLUG, STAINLESS STEEL ROUND COVER, AND A STAINLESS STEEL VANDAL PROOF SCREW.
WH-1	WATER HEATER (NOMINAL 100 GALLON) (NATURAL GAS - HIGH EFFICIENCY)	--	--	--	SEE PLANS	SEE PLANS	BRADFORD WHITE MODEL EF-100T-199E-3N. 199 MBH INPUT, 110V/1Ø, 1.8 AMPS , 28" DIAMETER, 78" TALL WITH SIDE CONNECTIONS. PROVIDE WITH PVC CONCENTRIC INTAKE/VENT KIT AND SEISMIC STRAP. PROVIDE WATER HEATER WITH HEAT TRAP.

NOTES:

1. ALL ADA COMPLIANT FIXTURES MUST COMPLY WITH ICC/ANSI A117.1. SEE ARCHITECTURAL PLANS FOR HANDICAPPED FIXTURE DESIGNATIONS, LOCATIONS, CLEARANCES, AND MOUNTING HEIGHTS.
2. ALL EXPOSED HW PIPING, CW PIPING, AND DRAIN LINES BENEATH ALL LAVATORIES AND ALL ADA COMPLIANT SINKS MUST BE INSULATED TO PREVENT INJURY. REFER TO ARCHITECTURAL PLANS. INSULATE WITH MOLDED CLOSED CELL VINYL INSULATION - TRUEBRO, PLUMBEREX, OR EQUAL.
3. PROVIDE P-TRAP PRIMERS FOR ALL FLOOR DRAINS AND FLOOR SINKS (NOT ALL TRAP PRIMERS ARE INDICATED ON PLANS - REFERENCE DETAILS FOR ADDITIONAL INFORMATION). PROVIDE A BALL TYPE SHUT-OFF VALVE UPSTREAM OF PRIMER VALVE. SEE SPECIFICATIONS.
4. MANUFACTURER'S EQUIPMENT SHALL MEET BUILD AMERICA, BUY AMERICA ACT REQUIREMENTS. SEE SPECIFICATIONS FOR ALTERNATE APPROVED MANUFACTURERS.
5. HIGH EFFICIENCY WATER HEATERS: PROVIDE WITH CONDENSATE NEUTRALIZATION KIT BY JJM BOILER WORKS MODEL JM (OR EQUAL), SIZED PER EQUIPMENT CAPACITY.
6. LOCATE CONTROLS PER ADA STANDARDS; REFERENCE ARCHITECTURAL DRAWINGS FOR TUB/SHOWER ELEVATIONS.
7. PROVIDE INTEGRAL BLOCKING WITHIN FIXTURE FOR FUTURE GRAB BAR INSTALATION. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR GRAB BAR SIZES AND LOCATIONS. INTEGRAL BLOCKING SHALL BE RATED FOR A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS WHEN APPLIED AT ANY POINT ON A GRAB BAR, FASTENER MOUNTING DEVICE, OR SUPPORTING STRUCTURE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL NOTES FOR BLOCKING REQUIREMENTS. PLUMBING CONTRACTOR TO COORDINATE BLOCKING REQUIREMENTS WITH THE GENERAL CONTRACTOR.
8. BACKFLOW PREVENTION: THIS BUILDING IS PROVIDED WITH A BACKFLOW PREVENTION DEVICE ON THE MAIN WATER SERVICE AND REDUCED PRESSURE BACKFLOW PREVENTION ON THE FOLLOWING PIECES OF EQUIPMENT:
   --
   --
   --

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11/5/2024
STATE OF IDAHO
JASON A. RICE

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: JAD
CHECKED BY: JR

BID SET

DRAWING NO.:
P6.0
PLUMBING SCHEDULES

KITCHEN PLUMBING EQUIPMENT SCHEDULE

SYMBOL	EQUIPMENT REFERENCE	FIXTURE DESCRIPTION	CONNECTION SIZE						MANUFACTURER / MODEL NUMBER / DESCRIPTION / ADDITIONAL COMMENTS	REMARKS
			WASTE	VENT	TRAP	CW	HW	GAS		
K-2	#2	COOLER EVAPORATOR	INDIRECT			--	--	--	PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR ROUGH-IN & INSTALLED BY PLUMBING CONTRACTOR. SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT.	1
K-29	#29	HAND SINK WITH ELECTRONIC FAUCET	1 1/2	1 1/2	1 1/4	1/2	1/2	--	PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR ROUGH-IN & INSTALLED BY PLUMBING CONTRACTOR. SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT.	2
K-31	#31	WASH DOWN SYSTEM	--	--	--	3/4	--	--	PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR ROUGH-IN & INSTALLED BY PLUMBING CONTRACTOR. SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT.	3
K-36	#36	WORK TABLE WITH 20"X20" SINK	INDIRECT			--	--	--	PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR ROUGH-IN & INSTALLED BY PLUMBING CONTRACTOR. SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT.	
K-37	#37	SPLASH MOUNT FAUCET	--	--	--	1/2	1/2	--	PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR ROUGH-IN & INSTALLED BY PLUMBING CONTRACTOR. SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT.	
K-41	#41	3 COMPARTMENT SINK	INDIRECT			--	--	--	PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR ROUGH-IN & INSTALLED BY PLUMBING CONTRACTOR. SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT.	
K-43	#43	WALL MOUNT FAUCET	--	--	--	1/2	1/2	--	PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR ROUGH-IN & INSTALLED BY PLUMBING CONTRACTOR. SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT.	
K-56	#56	3 COMPARTMENT SINK	INDIRECT			--	--	--	PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR ROUGH-IN & INSTALLED BY PLUMBING CONTRACTOR. SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT.	
K-57	#57	WALL MOUNT FAUCET	--	--	--	1/2	1/2	--	PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR ROUGH-IN & INSTALLED BY PLUMBING CONTRACTOR. SEE KITCHEN EQUIPMENT PLANS FOR DETAILS AND REQUIREMENTS OF KITCHEN EQUIPMENT.	

NOTES:

1. CONDENSATE TO BE HEAT TRACED AND INSULATED.
2. PROVIDE WITH WATTS SERIES USG-B THERMOSTATIC MIXING VALVE, ASSE STANDARD 1070 LISTED, BRONZE BODY, INTEGRAL CHECK VALVES, AND SELECTABLE TEMPERATURE RANGE FROM 80°F TO 120°F.
3. PROVIDE WITH LINE-SIZED REDUCED PRESSURE BACKFLOW PREVENTER.

GAS SIZING CHART

SYMBOL	INPUT (MBH)	RUNOUT SIZE (2-PSI) (INCHES)	EQUIPMENT CONNECTION SIZES (7" WC) (INCHES)
RTU-1	250	3/4	3/4
RTU-2	150	3/4	3/4
RTU-3	67	3/4	1/2
RTU-5	180	3/4	3/4
RTU-6	125	3/4	3/4
RTU-7	110	3/4	1/2
RTU-8	67	3/4	1/2
RTU-9	67	3/4	1/2
RTU-10	110	3/4	1/2
DOAS-1	255	3/4	3/4
DOAS-2	130	3/4	3/4
DOAS-3	255	3/4	3/4
DOAS-4	181	3/4	3/4
UH-1	300	3/4	3/4
GAS TURRETS (X36)	360	1/2	1/2
WH-1	199	3/4	3/4
WH-1	199	3/4	3/4
WH-1	199	3/4	3/4
TOTAL	3204	EQUIVALENT LENGTH = 400 FT PRESSURE = 2 PSI MAIN SIZE = 2" Ø	

NOTE: GAS SIZES TO EQUIPMENT ARE AS NOTED IN SCHEDULE ABOVE. ROUTE NOTED (2-PSI) GAS LINE TO GAS EQUIPMENT. PROVIDE GAS COCK AND PRESSURE REGULATOR (2-PSI TO 7" WC) SIZED FOR GAS LOAD AT EACH PIECE OF EQUIPMENT. VENT TO ATMOSPHERE PER MANUFACTURERS RECOMMENDATIONS. ROUTE NOTED (7" WC) GAS LINE TO GAS FIRED EQUIPMENT WITH GAS COCK AND FLEX CONNECTOR AT UNIT. SEE GAS CONNECTION DETAILS.

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PLUMBING SCHEDULES

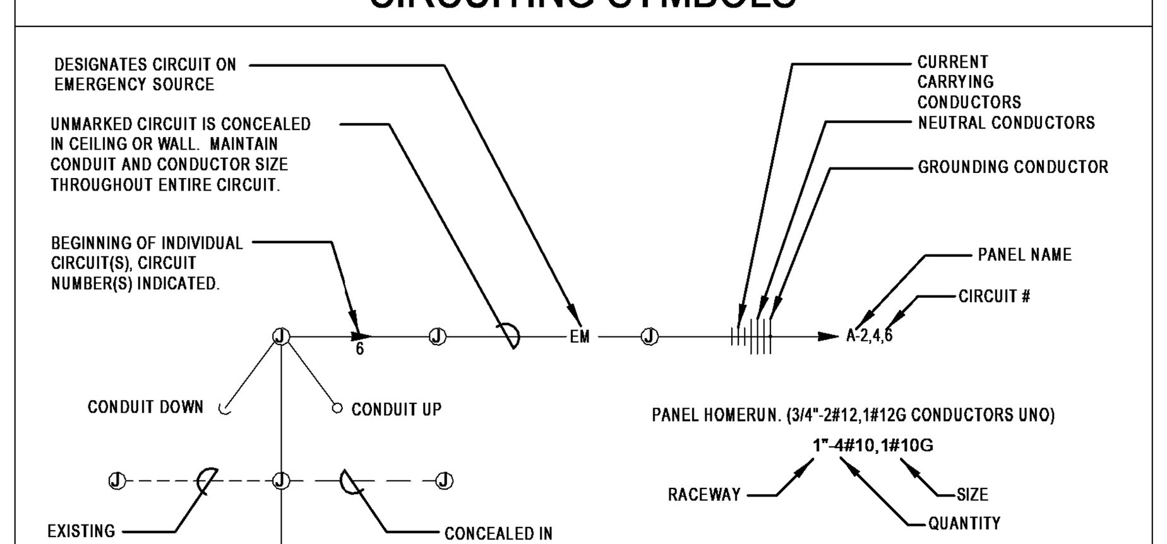
ELECTRICAL LEGEND - LIGHTING

REFERENCE FIXTURE SCHEDULE FOR MOUNTING TYPE, MOUNTING HEIGHT, AND FIXTURE TYPE.

- DOUBLE FACE EXIT SIGN, CEILING MOUNTED, PROVIDE UNSWITCHED CONDUCTOR.
- WALL MOUNTED DOUBLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
- SINGLE FACE EXIT SIGN, CEILING MOUNTED PROVIDE UNSWITCHED CONDUCTOR.
- WALL MOUNTED SINGLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
- ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN.
- TRACK LIGHT
- 1'X4' LIGHT FIXTURE.
- 1'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- 2'X4' LIGHT FIXTURE.
- 2'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- 2'X2' LIGHT FIXTURE.
- 2'X2' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
- DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR
- STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
- STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR
- WALL MOUNTED LIGHT FIXTURE.
- WALL MOUNTED LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- ROUND LIGHT FIXTURE
- ROUND EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- WALL MOUNTED LIGHT FIXTURE.
- WALL MOUNTED EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
- POLE LIGHT 1 HEAD WITH POLE
- TC — TIME CLOCK
- PC — PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH.
- OS — OCCUPANCY SENSOR. PROVIDE RELAYS AND POWER PACKS AS REQUIRED.
- D — LED DRIVER
- HCR — HEATING/COOLING RELAY
- LVR — LOUVER RELAY
- DPS — LIGHTING TYPE 'C' DIMMING POWER SUPPLY
- EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS. CONNECT TO AN UNSWITCHED CONDUCTOR.
- EMERGENCY EGRESS LIGHTING. CONNECT TO AN UNSWITCHED CONDUCTOR.
- WALL MOUNTED SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
- CEILING MOUNTED. SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.
- CEILING MOUNTED. DOUBLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.
- XXX — INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE.
- EXTERIOR WALL PACK
- EMERGENCY EXTERIOR WALL PACK. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR

NOTE:	THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL SYMBOLS. SOME OF THE SYMBOLS SHOWN MAY NOT HAVE BEEN USED IN THIS DRAWING PACKAGE.

CIRCUITING SYMBOLS



NOTE:
EDISON STYLE SHARED NEUTRAL CONDUCTORS ARE NOT ALLOWED. EACH 1 POLE BREAKER SHALL BE FURNISHED WITH AN INDIVIDUAL DEDICATED NEUTRAL CONDUCTOR.

DEVICES

- SWITCH, TYPE AS INDICATED. +46"AFF
  - 2 DOUBLE POLE
  - 3 3-WAY
  - 4 4-WAY
  - K KEYED
  - P PILOT LIGHT
  - D DIMMER
  - HP HORSEPOWER RATED
  - TO THERMAL OVERLOAD
  - LV LOW VOLTAGE
  - OS OCCUPANCY SENSOR
  - OR LOW VOLTAGE, MOMENTARY OVERRIDE
  - VS VACANCY SENSOR
  - a SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER
- DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
- DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
- OCCUPANCY SENSOR WITH MANUAL DIMMING, SET FOR 50% AUTOMATIC ON, AUTOMATIC OFF, WITH MANUAL DIMMING.
- SINGLE CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNT SINGLE CONVENIENCE OUTLET
- DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNT DUPLEX CONVENIENCE OUTLET
- EMERGENCY DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- SWITCHED DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET
- USB DUPLEX CONVENIENCE OUTLET, +18" AFF UNO
- USB FOURPLEX CONVENIENCE OUTLET, +18" AFF UNO
- FOURPLEX CONVENIENCE OUTLET. +18"AFF UNO
- FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET
- CONNECTION POINT TO EQUIPMENT SPECIFIED, ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION. UNO
- FLOOR MOUNTED CONNECTION POINT, SEE NOTE ABOVE FOR REQUIREMENTS
- FLOOR MOUNTED JUNCTION BOX
- JUNCTION BOX
- WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
- HC — WALL MOUNTED PUSH BUTTON, HANDICAPPED MOUNT AT SWITCH HEIGHT UNO
- WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
- FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED, NEMA 1 UNO
- NON-FUSED DISCONNECT SIZE/ POLES AS INDICATED, NEMA 1 UNO
- COMBINATION STARTER AND DISCONNECT, SIZE/POLES, STARTER SIZE AS INDICATED, NEMA 1 UNO
- T (unit-#) — THERMOSTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH DIVISION 15.
- H (unit-#) — HUMIDISTAT, +46" AFF PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS.
- POWER POLE - DUAL CHANNEL
- REB — RECESSED ENTERTAINMENT BOX
- T — TRANSFORMER
- PANELBOARD. SEE SCHEDULE FOR TYPE.
- EQUIPMENT CABINET, SURFACE MOUNTED
- EQUIPMENT CABINET FLUSH MOUNTED
- SURFACE MULTI-OUTLET RACEWAY
- MECHANICAL EQUIPMENT CALL OUT
- KITCHEN EQUIPMENT CALLOUT

ONE LINE

- DELTA WYE TRANSFORMER UNO
- # PANEL NAME VOLTAGE PHASE — PANEL BOARD, SEE SCHEDULE FOR TYPE AND SIZE
- ##A #P — CIRCUIT BREAKER, SIZE AND POLES INDICATED
- ##A — FUSE, SIZE AND TYPE INDICATED, PROVIDE FUSE FOR EACH POLE
- ##A #P — INTERRUPTER SWITCH, SIZE AND POLES INDICATED
- ##A #P — FUSED SWITCH, SIZE/POLES AND FUSE SIZE INDICATED
- ##A #P — DRAW OUT CIRCUIT BREAKER, SIZE AND POLES INDICATED
- INDIVIDUAL BREAKER WITH SHUNT TRIP, SIZE AND POLES INDICATED. NEMA 1 UNO
- INDIVIDUAL BREAKER, SIZE AND POLES INDICATED. NEMA 1 UNO
- GFP — GROUND FAULT PROTECTION
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSION
- LSIGR — ADJUSTABLE BREAKER SETTINGS (PER SPECIFICATIONS): 'L'-LONG TIME 'S'-SHORT TIME 'I'-INSTANTANEOUS 'G'-GROUND FAULT 'R'-ENERGY REDUCING MAINTENANCE SWITCH W/STATUS INDICATOR
- GROUND
- ST — SHUNT TRIP COIL
- M — MOTOR
- 100A 3P — DISCONNECT SWITCH, SIZE AND POLES INDICATED. NEMA 1 UNO
- OVERHEAD SERVICE DROP
- GENERATOR SET, MAIN BREAKER SIZE INDICATED
- AUTOMATIC TRANSFER SWITCH (ATS)
- M — METER AND BASE
- N — NEUTRAL
- T — DRY TYPE TRANSFORMER

SECURITY

- CCTV CAMERA POWER SUPPLY
- CCTV SYSTEM POWER SUPPLY
- POLE IP CAMERA - OWNER INSTALLED 1 GRAY CAT6 CABLE - CONTRACTOR INSTALLED WP - WEATHERPROOF C - CEILING MOUNTED W - WALL MOUNTED
- POLE IP 360 DEGREE CAMERA - OWNER INSTALLED 1 GRAY CAT6 CABLE - CONTRACTOR INSTALLED WP - WEATHERPROOF C - CEILING MOUNTED W - WALL MOUNTED
- C — CCTV OUTLET, +18" UNO
- C — CEILING MOUNTED CCTV OUTLET
- K — SECURITY SYSTEM KEYPAD CONTROLLER COORDINATE BOX SIZE AND MUDRING WITH VENDOR
- CR — CARD READER
- EL — ELECTRIC LATCH
- DC — DOOR CONTACT
- KR — KEYED DOOR RELEASE
- SR — ALARM SIREN
- KP — KEY PAD
- MD — MOTION DETECTOR
- PANIC BUTTON - MOUNTED UNDER COUNTER
- BELL PUSH BUTTON
- B — DOOR BELL
- BIDIRECTIONAL RADIO PROPAGATION SYSTEM ANTENNAE
- BIDIRECTIONAL RADIO PROPAGATION SYSTEM HYBRID COUPLER
- EH — ELECTRIFIED HINGE (SEE ARCHITECTURAL HARDWARE SCHEDULE)
- ECB — ELECTRIFIED CRASH BAR (SEE ARCHITECTURAL HARDWARE SCHEDULE)
- RX — REQUEST TO EXIT (SEE ARCHITECTURAL HARDWARE SCHEDULE)
- EPT — ELECTRIC POWER TRANSFER (SEE ARCHITECTURAL HARDWARE SCHEDULE)
- ELS — ELECTRIC LOCK SET (SEE ARCHITECTURAL HARDWARE SCHEDULE)
- ADA — AUTOMATIC DOOR OPERATOR (SEE ARCHITECTURAL HARDWARE SCHEDULE)
- ADB — AUTOMATIC DOOR OPERATOR ACTUATOR BUTTON (SEE ARCHITECTURAL HARDWARE SCHEDULE)

COMMUNICATIONS

- 1 — COPPER NETWORK JACKS 1 BLUE CAT6 CABLE
- 2 — COPPER NETWORK JACKS 2 BLUE CAT6 CABLE
- 3 — COPPER NETWORK JACKS 3 BLUE CAT6 CABLE
- INTERACTIVE WHITE BOARD 1 BLUE CAT6 CABLE
- P — PROJECTOR
- 19" 4 POST NETWORK RACK
- 19" 2 POST NETWORK RACK
- C — WIRELESS CLOCK - MESH NETWORK
- IC — INTERCOM SYSTEM CALL BUTTON. +46" UNO.
- SP LA BB RI HVB —
  - LA: CEILING MOUNTED IP INTERCOM SPEAKER MOUNTED IN ACCESSIBLE ACOUSTICAL TILE 1 GRAY CAT6 CABLE
  - BB: WALL MOUNTED IP INTERCOM SPEAKER WITHER RECESSED BACK BOC 1 GRAY CAT6 CABLE
  - RI: CEILING MOUNTED IP INTERCOM SPEAKER MOUNTED IN HARD CEILING WITH ROUGH-IN KIT 1 GRAY CAT6 CABLE
  - HVB: WALL MOUNTED IP INDOOR/OUTDOOR HORN MOUNTED IN FLUSH VANDAL PROOF BACKBOX 1 GRAY CAT6 CABLE
- WAP — WIRELESS ACCESS POINT 1 GREEN CAT6 CABLE
- V — VOLUME CONTROL, +46" UNO
- TV — TELEVISION OUTLET, +18" AFF UNO. PROVIDE 1-1/4" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE
- TTB — TELEPHONE TERMINAL BOARD
- CT-XX — CABLE TRAY, 4" DEEP, WIRE BASKET STYLE, 'XX' INDICATES WIDTH PROVIDE ALL FITTINGS AND SUPPORT HARDWARE REQUIRED

FIRE ALARM

- F — PULL STATION, +44" AFF WITH PRE-ALARM COVER
- FIRE ALARM HORN, +84" AFF UNO
- 15 — FIRE ALARM STROBE, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED
- 15 — FIRE ALARM HORN/STROBE +84" AFF, UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED
- FIRE ALARM BELL, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED
- FIRE ALARM CHIME, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED
- 15 — FIRE ALARM CHIME/STROBE, +84" AFF UNO, STROBE INTENSITY INDICATED. 'C' INDICATES CEILING MOUNTED
- SPEAKER STROBE, +84" AFF UNO. 'C' INDICATES CEILING MOUNTED
- EOL — END OF LINE RESISTOR
- FS — FLOW SWITCH, PROVIDE MONITOR MODULE AS REQUIRED
- TS — TAMPER SWITCH, PROVIDE MONITOR MODULE AS REQUIRED
- PS — PRESSURE SWITCH, PROVIDE MONITOR MODULE AS REQUIRED
- FSA — FIRE SYSTEM ANNUNCIATOR, FLUSH MOUNTED +54"UNO
- PIV — POST INDICATOR VALVE, PROVIDE MONITOR MODULE AS REQUIRED
- DH — ELECTROMAGNETIC DOOR HOLDER
- R — RELAY
- CM — CONTROL MODULE
- MM — MONITOR MODULE
- FIRE ALARM KNOX BOX
- FIRE ALARM CONTROL PANEL
- NAC EXTENDER PANEL
- FIRE/SMOKE DAMPER
- LED INDICATOR LIGHT, CEILING MOUNTED UNO
- LED INDICATOR LIGHT WITH TEST SWITCH, CEILING MOUNTED UNO
- SD — DUCT-MOUNTED SMOKE DETECTOR
- SMOKE DETECTOR, CEILING MOUNTED UNO
  - H HEAT
  - I IONIZATION
  - ID IN DUCT
  - P PHOTOELECTRIC
  - R RELAY
  - WG PROVIDE PROTECTIVE WIRE GUARD
- BS,BR — BEAM DETECTOR, SENDER & RECEIVER

SITE ELECTRICAL LEGEND

- SINGLE PHASE UTILITY TRANSFORMER GROUND SLEEVE
- THREE PHASE UTILITY TRANSFORMER AND MOUNTING PAD
- UTILITY PRIMARY POWER GROUND SLEEVE
- FIBER OPTIC VAULT
- CENTURY LINK PEDESTAL
- CABLE ONE PEDESTAL
- MYERS POWER PEDESTAL

ELECTRICAL ABBREVIATIONS

A	AMPERES
AC	6" ABOVE BACKSPLASH
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AF	AMP FRAME
AIC	AMPS INTERRUPTING CAPACITY
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BD	BOTTOM OF DECK
BS	BOTTOM OF STRUCTURE
C	CEILING MOUNTED
C	CONDUIT
CB	CIRCUIT BREAKER
CF	COMPACT FLUORESCENT
CKT	CIRCUIT
CO	CONDUIT ONLY, PROVIDE PULL-LINE
CT	CURRENT TRANSFORMER
CTL	CONTROL
DC	DIRECT CURRENT
(D)	DEMOLITION
DEMO	DEMOLITION
DET	DETAIL
DTT	DOUBLE TWIN TUBE
E	EMERGENCY
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EL	EMERGENCY LIGHT
F	FUSE
(F)	FUTURE
FACP	FIRE ALARM CONTROL PANEL
G/GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
HH	HAND HOLE
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING, VENTILATION, & AIR CONDITIONING
IG	ISOLATED GROUND
IPCO	IDAHO POWER COMPANY
J-BOX	JUNCTION BOX
KA	KILOAMP
KVA	KILO VOLT-AMP
KW	KILOWATT
KWH	KILOWATT HOUR
LCP	LIGHTING CONTROL PANEL
MB	MAIN BREAKER
MBR	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MMC	MODULAR METERING CENTER
MH	METAL HALIDE
MSB	MAIN SWITCH BOARD
MTG	MOUNTING
N	NEUTRAL
(N)	NEW
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OH	OVERHEAD
OS	OCCUPANCY SENSOR
P	POLES
PC	PHOTO-CONTROL
PVC	POLYVINYL CHLORIDE
PWR	POWER
RE:	REFERENCE
REC	RECEPTACLE
(R)	RELOCATED
SF	SQUARE FEET
TBD	TO BE DETERMINED
TDR	TIME DELAY RELAY
TK	TOE KICK
TR	TAMPER RESISTANT
TSP	TWISTED SHIELDED PAIR
TRT	TRIPLE TUBE
TTB	TELEPHONE TERMINAL BOARD
(TYP.)	TYPICAL
UC	UNDERCABINET
UG	UNDERGROUND
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLT-AMPERE
W	WATT
WG	WIRE GUARD
WP	WEATHER PROOF/NEMA 3R
PROVIDED/ PROVIDE BY INSTALLED/ INSTALL	PROVIDE AND INSTALL / PROVIDED AND INSTALLED BY / PROVIDE AND INSTALL
NOTE:	THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

ELECTRICAL GENERAL NOTES

A. THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR.

B. ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED UNLESS LOCATED WITHIN DEDICATED ELECTRICAL OR MECHANICAL ROOMS. USE OF SURFACE MOUNTED RACEWAYS IN ALL OTHER SPACES MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE APPROVED, UTILIZE WIREMOLD, OR APPROVED EQUAL, SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.

C. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON AT THE DEVICES.

D. PROVIDE PULL-LINE IN ALL EMPTY CONDUITS.

E. TERMINATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING.

F. MECHANICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

G. ALL NON-LOCKING, 120-V, 15 AND 20-AMP RECEPTACLES SHALL BE LISTED TAMPER-RESISTENT RECEPTACLES PER NEC 406.12

FIRE ALARM:

H. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.

SITE:

I. CONTRACTOR SHALL COORDINATE WITH AN UNDERGROUND LOCATING SERVICE PRIOR TO COMMENCING WORK. SEE CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION. COORDINATE WITH OTHER SITE DISCIPLINES.

J. SITE LIGHTING AND UTILITY EQUIPMENT SHOWN IN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS, PROPERTY LINES, AND UTILITY COMPANIES PRIOR TO ROUGH-IN.

K. REFER TO POLE BASE DETAIL FOR SITE LIGHTING POLE BASE REQUIREMENTS.

L. ROUTE CONDUITS IN COMMON TRENCH WHERE POSSIBLE REFER TO TRENCHING DETAIL.

FIRE ALARM - DESIGN BUILD NOTES

A. THE FIRE ALARM SYSTEM WILL BE DESIGN BUILD BY THE CONTRACTOR. THE FIRE ALARM CONTRACTOR SHALL PRODUCE A FIRE ALARM SUBMITTAL THAT INCLUDES ALL DRAWINGS, CALCULATIONS AND CUT SHEETS REQUIRED TO OBTAIN COMPLETE APPROVAL FROM ALL APPROVING AGENCIES.

B. THE FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE ALARM SUBMITTALS TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO SUBMITTING TO THE AUTHORITY HAVING JURISDICTION AND AND SHALL NOT PROCEED UNTIL THESE SUBMITTALS HAVE BEEN REVIEWED, APPROVED AND RETURNED.

C. REFER TO THE ARCHITECTURAL CODE PLAN(S) FOR THE OCCUPANCY TYPES AND OCCUPANCY LOADS FOR EACH AREA.

D. UTILIZE CURRENTLY ADOPTED CODES AND AMENDMENTS FOR FIRE ALARM REQUIREMENTS.

E. THE BUILDING IS FULLY SPRINKLED WITH BOTH WET AND DRY SPRINKLER SYSTEMS.

F. THE FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE ALARM INITIATING, MONITORING (SMOKE/ FIRE/ CARBON MONOXIDE), INTERFACE AND RELATED DEVICES AND EQUIPMENT AS REQUIRED FOR A COMPLETE AND FUNCTIONING CODE COMPLIANT SYSTEM.

G. THE FIRE ALARM SYSTEM SHALL PROVIDE ALL REQUIRED NOTIFICATION THROUGH OUT THE FACILITY. COORDINATE THE MOUNTING HEIGHTS OF THE NOTIFICATION DEVICES WITH THE CEILING AND STRUCTURE HEIGHTS IN THE BUILDING. REFER TO ARCHITECTURAL PLANS FOR CEILING/STRUCTURE INFORMATION.

H. PROVIDE ALL IN-DUCT AND/OR DUCT SMOKE DUCT DETECTORS AS REQUIRED. COORDINATE THE FINAL QUANTITY AND LOCATIONS WITH MECHANICAL CONTRACTOR.

I. THE FIRE ALARM CONTROL PANEL SHALL BE LOCATED IN MECH 139. THE NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLIES SHALL BE LOCATED IN ELECTRICAL ROOMS, STORAGE AND SIMILAR ROOMS ADJACENT TO ELECTRICAL PANELS.

J. PROVIDE 120V POWER, CONTROL RELAYS AND IN-DUCT DETECTORS FOR ALL SMOKE AND SMOKE/FIRE DAMPERS. COORDINATE WITH MECHANICAL PLANS.

K. PROVIDE SMOKE DETECTORS, RELAYS AND RELATED CONNECTIONS FOR ALL DOOR HOLD OPENS AS REQUIRED.

L. PROVIDE ALL 120V CIRCUITS AS REQUIRED TO ACCOMMODATE FIRE ALARM CONTROL PANEL, DRY SYSTEM AIR COMPRESSOR(S), NITROGEN GENERATOR(S), FIRE BELLS, NAC EXTENDER PANELS, AMPLIFIER PANELS AND RELATED ITEMS.

M. ALL FIRE ALARM CIRCUIT BREAKERS SHALL HAVE A RED HANDLE AND BE LOCKABLE TYPE.

N. THE FIRE ALARM SYSTEM SHALL INCLUDE A FLUSH MOUNTED REMOTE ANNUNCIATOR LOCATED IN AN OCCUPIED AREA IN THE VESTIBULES. THE LOCATION(S) SHALL BE COORDINATED WITH THE ARCHITECT AND OWNER PRIOR TO PREPARING THE REQUIRED SUBMITTALS.

O. FIRE ALARM CABLING SHALL BE CONCEALED. AREAS IN WALLS, ABOVE HARD CEILINGS AND SIMILAR (NON-ACCESSIBLE AREAS) SHALL BE IN CONDUIT. EXPOSED CABLING IS NOT ALLOWED.

P. PROVIDE ALL DETECTION, MONITOR AND CONTROL DEVICES AS REQUIRED FOR THE ELEVATOR(S).

Q. THE BUILDING HAS A FIRE PUMP. PROVIDE ALL MONITORING AND CONTROLS AS REQUIRED.

R. THE FIRE ALARM CONTRACTOR SHALL PRODUCE RECORD DOCUMENTS OF THE ACTUAL SYSTEM AS INSTALLED. THE RECORD DOCUMENTS SHALL BE PRODUCED TO THE ACCEPTANCE OF THE ARCHITECT AND ENGINEER. ONE COMPLETE SET OF PRINTED DOCUMENTS AND A PDF VERSION SHALL BE DELIVERED TO THE ARCHITECT.

S. INSTALL PLENUM RATED FIRE ALARM CONDUCTORS FROM ALL FIRE ALARM DEVICES INDICATED TO THE FIRE ALARM CONTROL PANEL OR NAC EXTENDER PANEL(S) AS REQUIRED. STUB 3/4" CONDUIT FROM DEVICE TO VOID ABOVE CEILING. PROVIDE NAC EXTENDER PANELS (QUANTITY AS REQUIRED) IN LOCATIONS INDICATED AND CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. CIRCUIT THE FIRE ALARM NOTIFICATION AND INITIATION DEVICES PER THE ELECTRICAL SPECIFICATIONS. FURNISH AND INSTALL ALL APPURTENANCES AND PROGRAMMING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO ELECTRICAL FIRE ALARM SPECIFICATIONS FOR SYSTEM REQUIREMENTS AND SUBMITTAL PROCEDURES.

T. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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PROFESSIONAL ENGINEER REGISTERED 13299 11/5/2024 STATE OF IDAHO MATTHEW N. BRADLEY

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: CJ
CHECKED BY: MB

BID SET

DRAWING NO.:
E0.0
ELECTRICAL COVER SHEET

COM*check* Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: CSI JEROME
Project Type: New Construction

Construction Site:
311 NORTH LINCOLN AVE
JEROME, Idaho

Owner/Agent:
CSI

Designer/Contractor:
CLAIRE JORGENSEN
Musgrove Engineering
645 W 25TH ST
IDAHO FALLS, Idaho 83401
2085212963
clairej@musgrovepa.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Reduced Lighting Power, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-School/University	19971	0.73	14559
		Total Allowed Watts =	14559

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-School/University				
LED: A1/A1E: LED Panel 33W:	1	90	29	2610
LED: A2/A2E: LED Panel 36W:	1	40	36	1440
LED: A3/A3E: LED Panel 19W:	1	3	29	87
LED: B: LED Panel 19W:	1	2	28	56
LED: C1/C1E: LED Other Fixture Unit 125W:	1	12	215	2580
LED: C2/C3: LED Other Fixture Unit 103W:	1	8	104	832
LED: C4/C4E: LED Panel 44W:	1	2	46	92
LED: D1/D1E: LED Other Fixture Unit 16W:	1	27	18	472
LED: D2: LED Other Fixture Unit 50W:	1	16	58	928
LED: F/FE: LED Linear 33W:	1	24	35	840
LED: G1: LED Other Fixture Unit 28W:	1	7	27	189
LED: G2: LED Other Fixture Unit 36W:	1	2	36	72
LED: H: LED Other Fixture Unit 36W:	1	1	32	32
			Total Proposed Watts =	10230

Interior Lighting PASSES: Design 30% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Claire Jorgensen, Designer — Name - Title
Signature
10-18-2024 — Date

COM*check* Software Version COMcheckWeb

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: CSI JEROME
Project Type: New Construction
Exterior Lighting Zone: 2 (Residential mixed use area (LZ2))

Construction Site:
311 NORTH LINCOLN AVE
JEROME, Idaho

Owner/Agent:
CSI

Designer/Contractor:
CLAIRE JORGENSEN
Musgrove Engineering
645 W 25TH ST
IDAHO FALLS, Idaho 83401
2085212963
clairej@musgrovepa.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Pedestrian and vehicular entrances and exits	56 ft of	14	Yes	784
Plaza area	2180 ft2	0.1	Yes	218
Parking area	24620 ft2	0.04	Yes	985
			Total Tradable Watts (a) =	1987
			Total Allowed Watts =	1987
			Total Allowed Supplemental Watts (b) =	400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Pedestrian and vehicular entrances and exits (56 ft of door width): Tradable Wattage				
LED: X2/X2E: LED Other Fixture Unit 13W:	1	11	14	154
LED: X3: LED Other Fixture Unit 16W:	1	3	17	51
Plaza area (2180 ft2): Tradable Wattage				
LED: X2/X2E: LED Other Fixture Unit 13W:	1	2	14	28
Parking area (24620 ft2): Tradable Wattage				
LED: X1: LED Roadway-Parking Unit 220W:	1	4	189	756
			Total Tradable Proposed Watts =	989

Exterior Lighting PASSES: Design 59% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Claire Jorgensen, Designer — Name - Title
Signature
10-18-2024 — Date

COM*check* Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C103.2 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21][2]	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23][2]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL26][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.5 [EL28][na0]	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.6 [EL30][na0]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26][2]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27][2]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8.2, C405.8.2.1 [EL28][2]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.9 [EL29][2]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][3]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.4.1 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
C405.5.1 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.1 [FI16][3]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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PROFESSIONAL ENGINEER
REGISTERED
13299
11/5/2024
STATE OF IDAHO
MATTHEW N. BRADLEY

Revisions
Description | Date
1

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: CJ
CHECKED BY: MB

BID SET

DRAWING NO.:
E0.1
LIGHTING COMPLIANCE

1 PHOTOMETRIC PLAN
1/8" = 1'-0"

NORTH

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BID SET

DRAWING NO.:

E0.2
LIGHTING PHOTOMETRICS

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. PROVIDE AND INSTALL 0-10V DIMMING CONDUCTORS TO ALL LIGHTS CONTROLLED BY THIS SWITCH.
2. PROVIDE AND INSTALL POWER PACK COMPATIBLE WITH CEILING OCCUPANCY SENSOR.
3. PROVIDE AND INSTALL DUAL TECHNOLOGY CEILING MOUNT SMALL MOTION OCCUPANCY SENSOR AND CONNECT WITH LOW VOLTAGE CABLE AS RECOMMENDED BY THE MANUFACTURER.
4. PROVIDE AND INSTALL LOW VOLTAGE CABLE BETWEEN CEILING MOUNT OCCUPANCY SENSORS, LOW VOLTAGE SWITCH, AND POWER PACK AS RECOMMENDED BY THE MANUFACTURER.
5. PROVIDE AND INSTALL 0-10V DIMMING CONDUCTORS AND 24V LOW VOLTAGE CABLE BETWEEN POWER PACK AND SWITCH AS RECOMMENDED BY THE MANUFACTURER.
6. EXIT SIGN, EMERGENCY LIGHT, AND/OR NIGHT LIGHT. CONNECT (ALWAYS HOT) TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY LIGHTING CONTROLS.
7. CONNECT LIGHTING CIRCUIT TO LCP IN ELECTRICAL ROOM, SEE SHEET E8.0 FOR DETAILS.
8. INSTALL 0-10V DIMMING CONDUCTORS FROM LIGHTING CONTROL PANEL LCP TO ALL LIGHTS CONTROLLED BY THIS SWITCH.
9. OVERRIDE SWITCHES TO BE INSTALLED IN AN EASY TO ACCESS AREA. ELECTRICAL CONTRACTOR TO PROGRAM OVERRIDE SWITCH FUNCTIONALITY PER OWNERS SPECIFICATION.
10. CONNECT NLIGHT ENABLED DEVICE TO LCP AND OTHER NLIGHT ENABLED DEVICES WITH CAT5E CABLE.
11. INSTALL PHOTOCELL COMPATIBLE WITH LIGHTING CONTROL PANEL AT 1FT BELOW PARAPET.
12. WALK-IN COOLER LIGHTS AND SWITCHES PROVIDED WITH COOLER PACKAGE INSTALLED BY ELECTRICAL CONTRACTOR.
13. OVERRIDE SWITCH FOR MEAT LAB TO BE INSTALLED OUTSIDE WASHDOWN AREA IN AN EASY TO ACCESS AREA. ELECTRICAL CONTRACTOR TO PROGRAM OVERRIDE SWITCH FUNCTIONALITY PER OWNERS SPECIFICATION.

1 LIGHTING PLAN
1/8" = 1'-0"

NORTH

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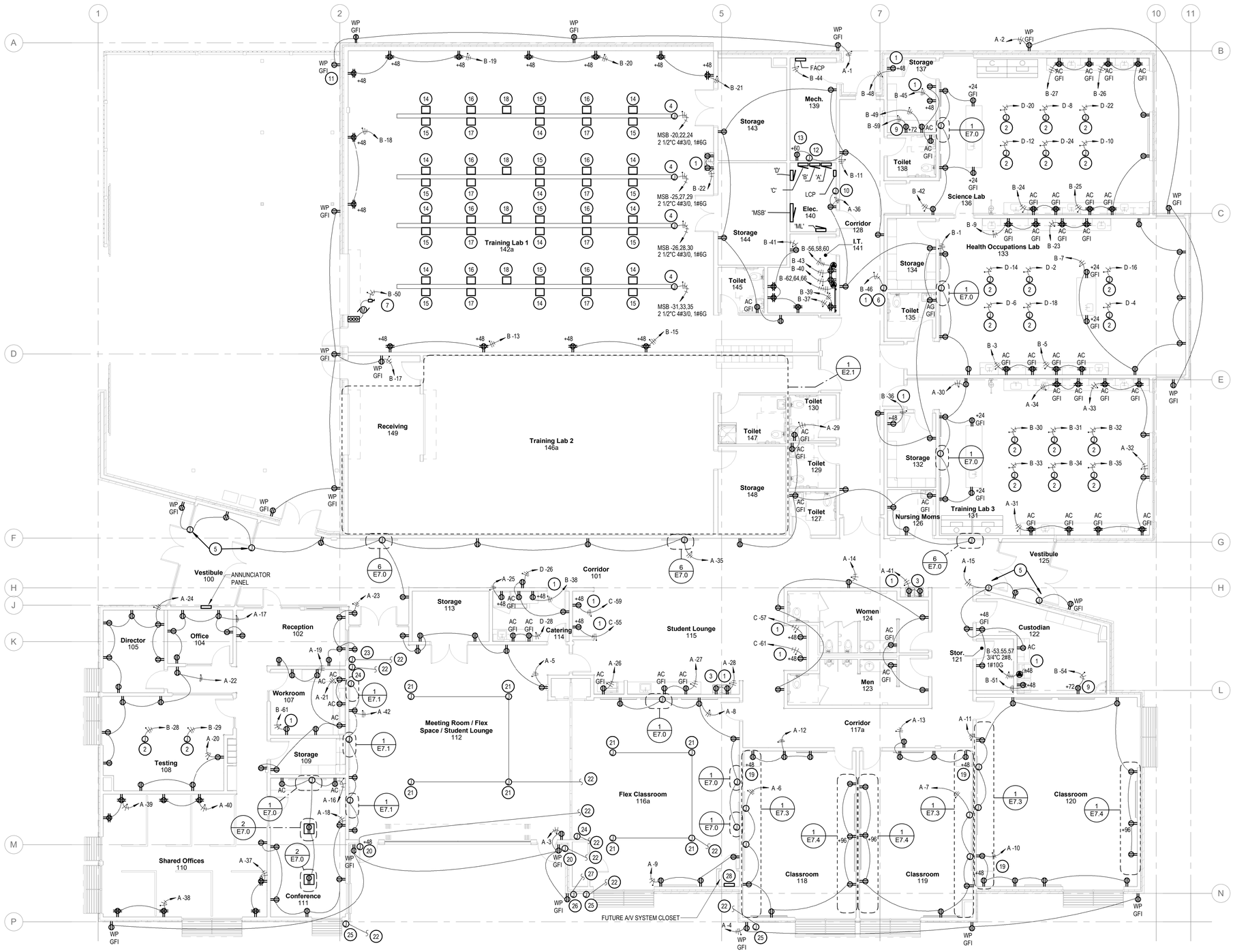
DRAWN BY: CJ
CHECKED BY: MB

BID SET

DRAWING NO.:

E1.0
LIGHTING PLAN



1 POWER PLAN
1/8" = 1'-0"

NORTH

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. GROUND FAULT INTERRUPTING CIRCUIT BREAKER INSTALLED IN ELECTRICAL PANEL.
2. INSTALL IN CEILING FOR FUTURE CONNECTION.
3. VERIFY INSTALLATION OF DRINKING FOUNTAIN ELECTRICAL WITH SUBMITTALS PRIOR TO INSTALLATION.
4. PROVIDE AND INSTALL 50FT OF 225A RATED ALUMINUM SANDWICH STYLE BUSDUCT. EATON POW-R-WAY III OR EQUAL. INCLUDE FUSED POWER TAKE OFF FOR EACH 50FT SECTION.
5. POWER FOR ADA DOOR OPERATOR COORDINATE WITH DOOR SPECIFICATIONS.
6. POWER FOR BOTTLE FILLER. COORDINATE WITH PLUMBING SPECIFICATIONS.
7. POWER FOR OVERHEAD DOOR. ELECTRICAL CONTRACTOR TO CONNECT ALL LOW VOLTAGE AND LINE VOLTAGE FOR DOOR POWER.
9. POWER FOR CHEMICAL CLEANER SYSTEM. COORDINATE WITH SPECIFICATIONS PRIOR TO INSTALLATION.
10. POWER TO DDC CONTROLLER. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
11. POWER FOR AIR DRYER. COORDINATE LOCATION WITH PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
12. POWER FOR RECIR PUMP. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
13. POWER FOR WATER HEATER. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
14. PROVIDE AND INSTALL QUAD RECEPTACLE BUS PLUG ON UNIT WITH 2 NEMA 5-20R, 1-NEMA L6-20R, 1NEMA L6-30R RECEPTACLES, AND 3 1-NEMA L6-20P CORDED PLUGS.
15. PROVIDE AND INSTALL 30 AMP, 240 VOLT, 3 POLE, 30 AMP FUSED, 100% NEUTRAL VERTICAL BUS PLUG ON UNIT. EATON P3F-3-2-1-J-G-N-V OR EQUAL.
16. PROVIDE AND INSTALL 30 AMP, 240 VOLT, 3 POLE, 20 AMP FUSED, 100% NEUTRAL VERTICAL BUS PLUG ON UNIT. EATON P3F-3-2-1-J-G-N-V OR EQUAL.
17. PROVIDE AND INSTALL 60 AMP, 240 VOLT, 3 POLE, 60 AMP FUSED, 100% NEUTRAL VERTICAL BUS PLUG ON UNIT. EATON P3F-3-2-2-J-G-N-V OR EQUAL.
18. PROVIDE AND INSTALL 100 AMP, 240 VOLT, 3 POLE, 100 AMP FUSED, 100% NEUTRAL VERTICAL BUS PLUG ON UNIT. EATON P3F-3-2-3-J-G-N-V OR EQUAL.
19. SEE ZOOM ROOM AV RISER DIAGRAM ON E7.2.
20. FUTURE A/V SYSTEM OUTDOOR A/V INPUT ROUGH-IN AT 48" ABOVE GRADE.
21. FUTURE A/V SYSTEM FLEX ROOM FUTURE SPEAKER LOCATION MOUNTED ON CEILING.
22. STUB 1"C INTO FUTURE A/V CLOSET 12" INTO BACK OF CABINET.
23. FUTURE A/V SYSTEM TOUCHSCREEN LOCATION ROUGH-IN AT 48" ABOVE GRADE.
24. FUTURE A/V SYSTEM INDOOR A/V INPUT ROUGH-IN AT 48" ABOVE GRADE.
25. FUTURE A/V SYSTEM OUTDOOR SPEAKER LOCATION, HEIGH TO BE VERIFIED BY ARCHITECT PRIOR TO WORK.
26. FUTURE A/V SYSTEM OUTDOOR VIDEO DISPLAY CONNECTION LOCATION AT 18" ABOVE GRADE.
27. STUB 1-1/4"C INTO FUTURE A/V CLOSET 12" INTO BACK OF CABINET.
28. 12"x12"x4" JUNCTION BOX AT 24" WITH 3-2"C STUB INTO BACK OF CABINET.

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LKV PROJECT #: 2219

DRAWN BY: CJ
CHECKED BY: MB

BID SET

DRAWING NO.:

E2.0
POWER PLAN

Branch Panel: ML

Location: ELEC 140
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

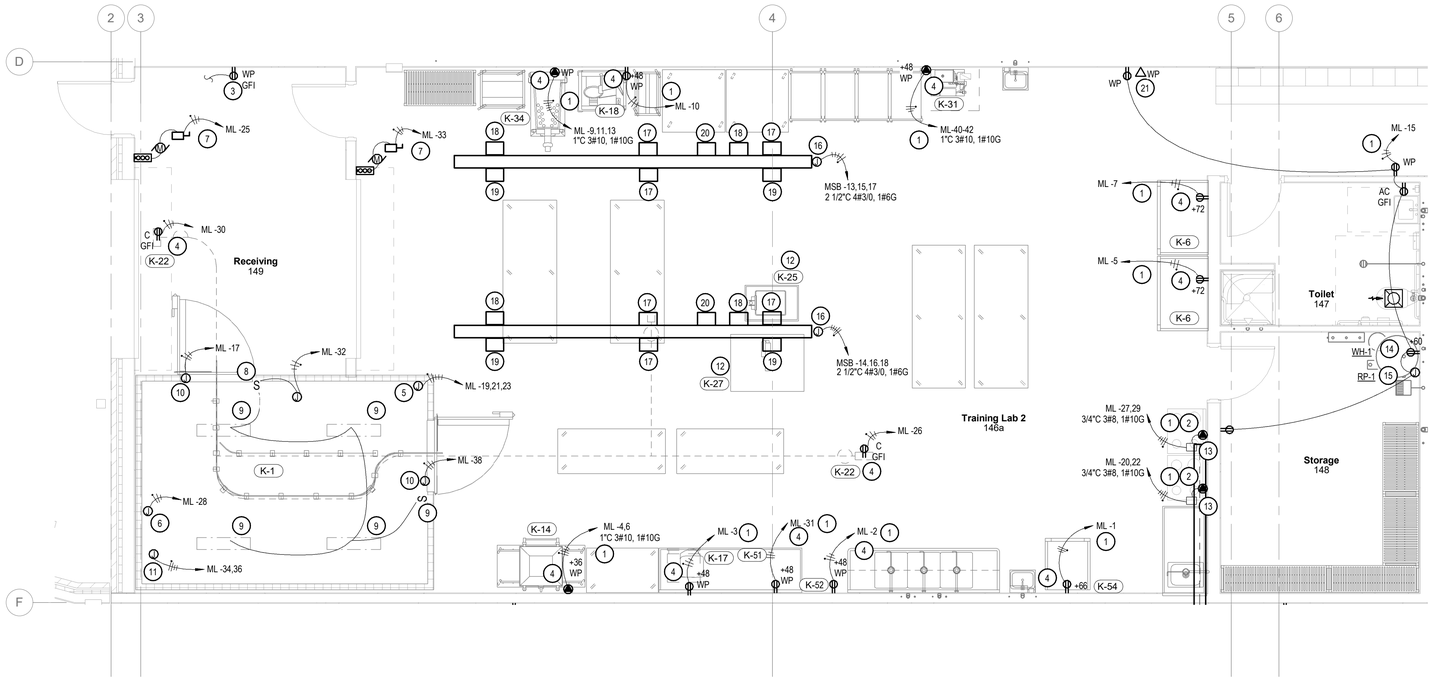
A.I.C. Rating: SEE ONELINE
Mains Type: MLO
Mains Rating: 225 A

CKT Notes:
1. GFCI FOR PERSONNEL PROTECTION (5mA)

CKT	Circuit Description	CKT Note	Trip	Poles	A		B		C		Poles	Trip	CKT Note	Circuit Description	CKT
1	RECEPT FRIDGE/FREEZER	1	20 A	1	1200 VA	180 VA					1	20 A	1	RECEPT KNIFE SANITIZER	2
3	RECEPT SCALE W LABELER	1	20 A	1			180 VA	500 VA			2	20 A		POWER VACUUM PACK SYSTEM	4
5	RECEPT REACH IN FREEZER...	1	20 A	1					1200 VA	500 VA	--	--	--	--	6
7	RECEPT REACH IN FREEZER LEFT	1	20 A	1	1200 VA	0 VA					1	20 A		SPARE	8
9	MIXER/GRINDER	1	30 A	3			1667 VA	180 VA			1	20 A	1	RECEPT SLICER	10
11	--	--	--	--					1667 VA	840 VA	1	20 A		INDOOR UNIT EVAPORATOR 1	12
13	--	--	--	--	1667 VA	3872 VA					3	100 A		CU-1 OUTDOOR UNIT	14
15	RECEPTS STG, RR, HALL, HOODS	1	20 A	1			1260 VA	3872 VA			--	--	--	--	16
17	WALKIN COOLER DOOR HEATER		20 A	1					230 VA	3872 VA	--	--	--	--	18
19	WALK-IN COOLER		20 A	3	600 VA	500 VA					2	50 A	1	STOVE RIGHT	20
21	--	--	--	--			600 VA	500 VA			--	--	--	--	22
23	--	--	--	--					600 VA	0 VA	1	20 A		SPARE	24
25	RECEIVING OVERHEAD DOOR		25 A	1	1200 VA	1800 VA					1	20 A	1	WINCH POWER LAB	26
27	STOVE LEFT	1	50 A	2			500 VA	324 VA			1	20 A	1	WALKIN COOLER EVAP	28
29	--	--	--	--					500 VA	1800 VA	1	20 A	1	WINCH POWER RECEIV	30
31	KNIFE SHARPENER	1	20 A	1	180 VA	600 VA					1	20 A		COOLER LIGHTS	32
33	LAB 2 OVERHEAD DOOR		25 A	1			1000 VA	500 VA			2	20 A		WALKIN COOLER HEAT TRACE	34
35	INDOOR UNIT EVAPORATOR 2		20 A	1					840 VA	500 VA	--	--	--	--	36
37	INDOOR UNIT EVAPORATOR 3		20 A	1	840 VA	230 VA					1	20 A		WALKIN COOLER DOOR HEATER	38
39	SPARE		20 A	1			0 VA	500 VA			2	30 A		WASH DOWN SYSTEM	40
41	SPARE		20 A	1					0 VA	500 VA	--	--	--	--	42
43	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	44
45	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	46
47	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	48
49	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE	50
51	SPARE		20 A	1			0 VA	0 VA			1	20 A		SPARE	52
53	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE	54
			Total Load:		14068 VA		11582 VA		13048 VA						
			Total Amps:		119 A		97 A		111 A						

FOODSERVICE ELECTRICAL SCHEDULE

ITEM	QTY	DESCRIPTION	MANUFACTURER	MODEL	VOLTS	PHASE	AMPS	ELEC TYPE	AFF	ELECTRICAL COMMENTS
1	1	WALK-IN COOLER	RMI	CUSTOM	120 V	1	15.00 A	JBOX		STUB DOWN; SEE MANUFACTURER DRAWINGS FOR DETAILS
2	1	COOLER EVAPORATOR	RMI	LEL0155AS6AM	120 V	1	2.70 A	JBOX		STUB DOWN; SEE MANUFACTURER DRAWINGS FOR DETAILS
6	2	REACH-IN FREEZER, 2-DOOR	UTILITY REFRIGERATOR	F-50-SS-2S-D	120 V	1	17.10 A	5-20P	72"	
9	1	COOLER COMPRESSOR	RMI	CUSTOM	208 V	3	10.60 A	JBOX		SEE MANUFACTURER DRAWINGS FOR DETAILS
14	1	VACUUM PACKAGING SYSTEM	HENKELMEN	POLAR 2-50	208 V	1	24.00 A		36"	
17	1	SCALE W/ LABELER	HOBART	HTI-7LH4	120 V	1	1.42 A	5-15P	48"	
18	1	SLICER SEMI AUTOMATIC	GLOBE	SG13A	120 V	1	2.50 A	5-15P	48"	
22	2	S/S REMOTE CONTROLLED WINCH	EAZE OFF	EZ4SS	120 V	1	14.00 A		0"	
25	1	PLATFORM SCALE	HOBART	HBR3201	120 V	1	20.00 A	5-15P	0"	
27	1	17" BAND SAW	HOBART	6801	208 V	1	16.50 A		0"	
29	2	HAND SINK W/ ELECTRONIC FAUCET	ADVANCE TABCO	7-PS-51	9 V	1	0.10 A		0"	BATTERY POWERED
31	1	WASH DOWN SYSTEM	SPRAY MASTER	300-5052	208 V	1	30.00 A		0"	
34	1	MIXER/GRINDER	HOBART	MG1532	208 V	3	30.00 A	L15-30P	48"	
52	1	KNIFE SANITIZER	EDLUND	KSUV-18	120 V	1	0.60 A	5-15P	48"	
54	1	DUAL TEMP REACH -IN REFRIG/FREEZER	UTILITY REFRIGERATOR	RF-30-SS-2S-D	120 V	1	0.00 A		66"	DUAL RECEPTACLE: 13.3A, NEMA 5-20P; 7A, NEMA 5-15P



1 ENLARGED LAB 2 POWER PLAN
1/4" = 1'-0"

GENERAL NOTES:

1. ALL ELLECTRICAL IN TRAINING LAB #2 SHALL BE IP66 RATED.
2. FOODSERVICE ELECTRICAL SCHEDULE PROVIDED BY FOOD SERVICE CONTRACTOR. CONFIRM ALL POWER REQUIREMENTS WITH EQUIMENT SPECIFICATIONS PRIOR TO INSTALLATION.

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. GROUND FAULT INTERRUPTING CIRCUIT BREAKER INSTALLED IN ELECTRICAL PANEL.
2. EQUIPMENT PROVIDED BY OWNER INSTALLED BY CONTRACTOR. VERIFY POWER LOCATION AND CONNECTION WITH OWNER SPECIFICATIONS PRIOR TO INSTALLATION.
3. SEE SHEET E2.0 FOR POWER CONNECTION.
4. POWER LOCATION FOR LAB EQUIPMENT. COORDINATE LOCATION WITH LAB SPECIFICATIONS AND ARCHITECT PRIOR TO INSTALLATION.
5. POWER LOCATION FOR WALK-IN COOLER. COORDINATE LOCATION WITH LAB SPECIFICATIONS AND ARCHITECT PRIOR TO INSTALLATION.
6. POWER LOCATION FOR WALK-IN COOLER EVAPORATOR. COORDINATE LOCATION WITH KITCHEN SPECIFICATIONS AND ARCHITECT PRIOR TO INSTALLATION.
7. POWER FOR OVERHEAD DOOR. ELECTRICAL CONTRACTOR TO CONNECT ALL LOW VOLTAGE AND LINE VOLTAGE FOR DOOR POWER.
8. LIGHTING CONTROL PANEL PROVIDED WITH COOLER PACKAGE INSTALLED BY ELECTRICAL CONTRACTOR.
9. WALK-IN COOLER LIGHTS AND SWITCHES PROVIDED WITH COOLER PACKAGE INSTALLED BY ELECTRICAL CONTRACTOR.
10. DOOR HEATERS INSTALLED BY COOLER MANUFACTURER BRANCH CIRCUIT CONNECTION BY ELECTRICAL CONTRACTOR VERIFY REQUIREMENTS WITH SPECIFICATIONS.
11. HEAT TRACE INSTALLED BY COOLER MANUFACTURER BRANCH CIRCUIT CONNECTION BY ELECTRICAL CONTRACTOR.
12. EQUIPMENT PLUGGED INTO POWERED BUSWAY SYSTEM IN CEILING.
13. PROVIDE AND INSTALL LITLE FUSE GFCI #SB5060-021-0 OR EQUAL.
14. POWER FOR WATER HEATER. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
15. POWER FOR RECIR PUMP. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
16. PROVIDE AND INSTALL 20FT OF 225A RATED ALUMINUM SANDWICH STYLE BUSDUCT, EATON POW-R-WAY III IP66 OR EQUAL. INCLUDE FUSED POWER TAKE OFF FOR EACH 20FT SECTION.
17. PROVIDE AND INSTALL 30 AMP, 240 VOLT, 3 POLE, 30 AMP FUSED, 100% NEUTRAL VERTICAL, IP66 RATED BUS PLUG ON UNIT. EATON P3F-3-2-1-J-G-N-V-IP66 OR EQUAL.
18. PROVIDE AND INSTALL 30 AMP, 240 VOLT, 3 POLE, 20 AMP FUSED, 100% NEUTRAL VERTICAL, IP66 RATED BUS PLUG ON UNIT. EATON P3F-3-2-1-J-G-N-V-IP66 OR EQUAL.
19. PROVIDE AND INSTALL 60 AMP, 240 VOLT, 3 POLE, 60 AMP FUSED, 100% NEUTRAL VERTICAL, IP66 RATED BUS PLUG ON UNIT. EATON P3F-3-2-2-J-G-N-V-IP66 OR EQUAL.
20. PROVIDE AND INSTALL 100 AMP, 240 VOLT, 3 POLE, 100 AMP FUSED, 100% NEUTRAL VERTICAL, IP66 RATED BUS PLUG ON UNIT. EATON P3F-3-2-3-J-G-N-V-IP66 OR EQUAL.
21. IP66 RJ45 DATA TO BE INSTALLED. SEE SHEET E7.0 FOR DATA ROUGH-IN ELEVATION DETAIL.

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REGISTERED
13299
11/5/2024
STATE OF IDAHO
MATTHEW N. BRADLEY

#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

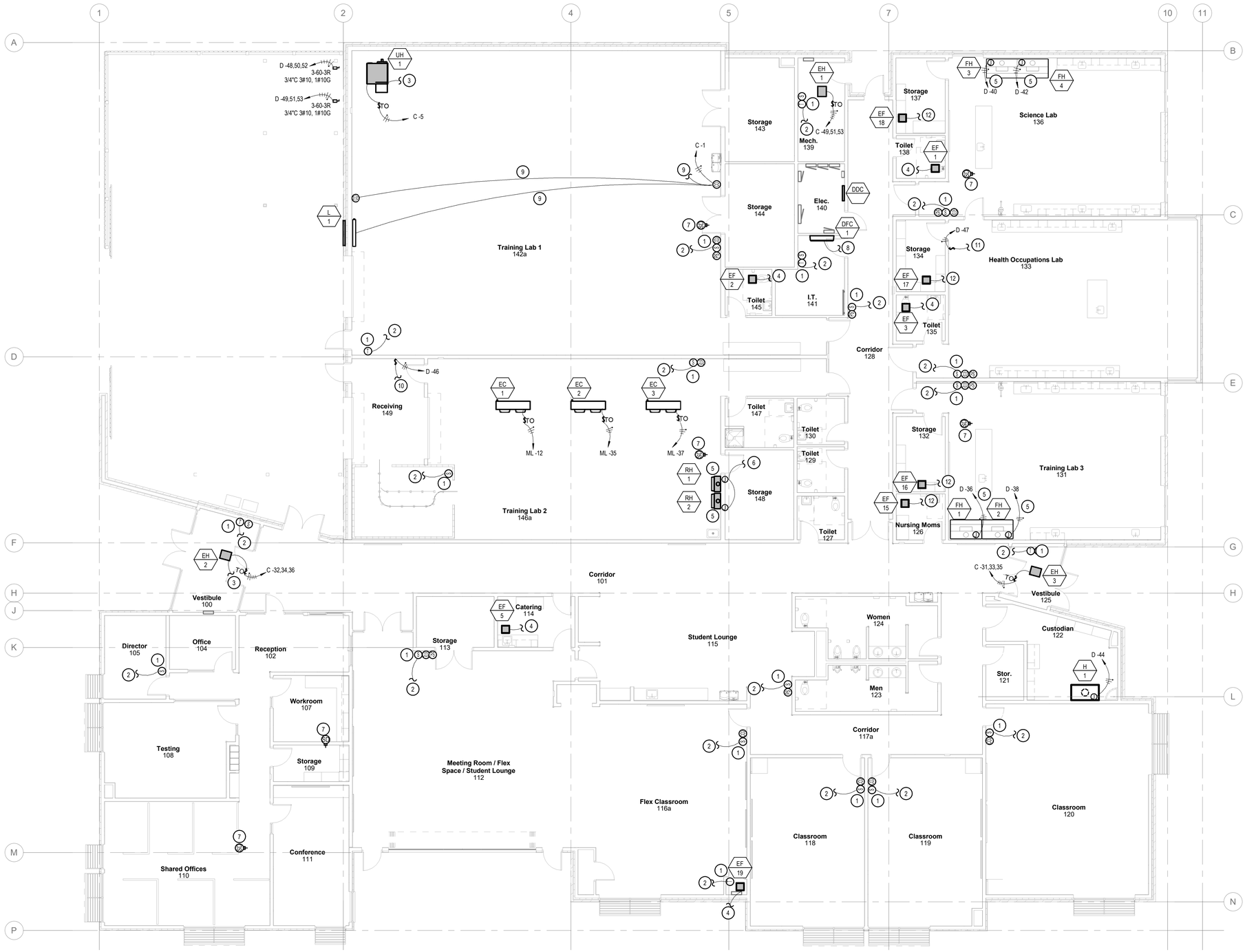
DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: CJ
CHECKED BY: MB

BID SET

DRAWING NO.:

E2.1
ENLARGED LAB 2 POWER PLAN



1 MECHANICAL POWER PLAN
1/8" = 1'-0"

NORTH

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. SEE SHEET E7.0 FOR THERMOSTAT ROUGH-IN ELEVATION DETAIL.
2. 3/4"C TO MECHANICAL EQUIPMENT.
3. 3/4"C TO T-STAT FOR CONTROLS.
4. CONNECT TO LIGHTING CIRCUIT IN ROOM.
5. POWER FOR HOOD COORDINATE WITH SPECIFICATIONS PRIOR TO INSTALLATION.
6. CONNECT TO RECEPTACLE CIRCUIT IN STORAGE 148.
7. DUCT SMOKE DETECTOR CONNECTED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR. COORDINATE INSTALLATION WITH MECHANICAL AND FIRE ALARM CONTRACTORS.
8. 3/4"C 4#12 UP TO DCU-1.
9. INTERLOCK VEHICLE EXHAUST SNESOR TO EXHAUST FAN EF-6 AND LOUVER L-1. SEE DETAIL ON E7.2. COORDINATE WITH MECHANICAL PRIOR TO INSTALLATION.
10. UP TO EXHAUST FAN EF-7.
11. UP TO EXHAUST FAN EF-10.
12. CONNECT TO NEAREST RECEPTACLE CIRCUIT.

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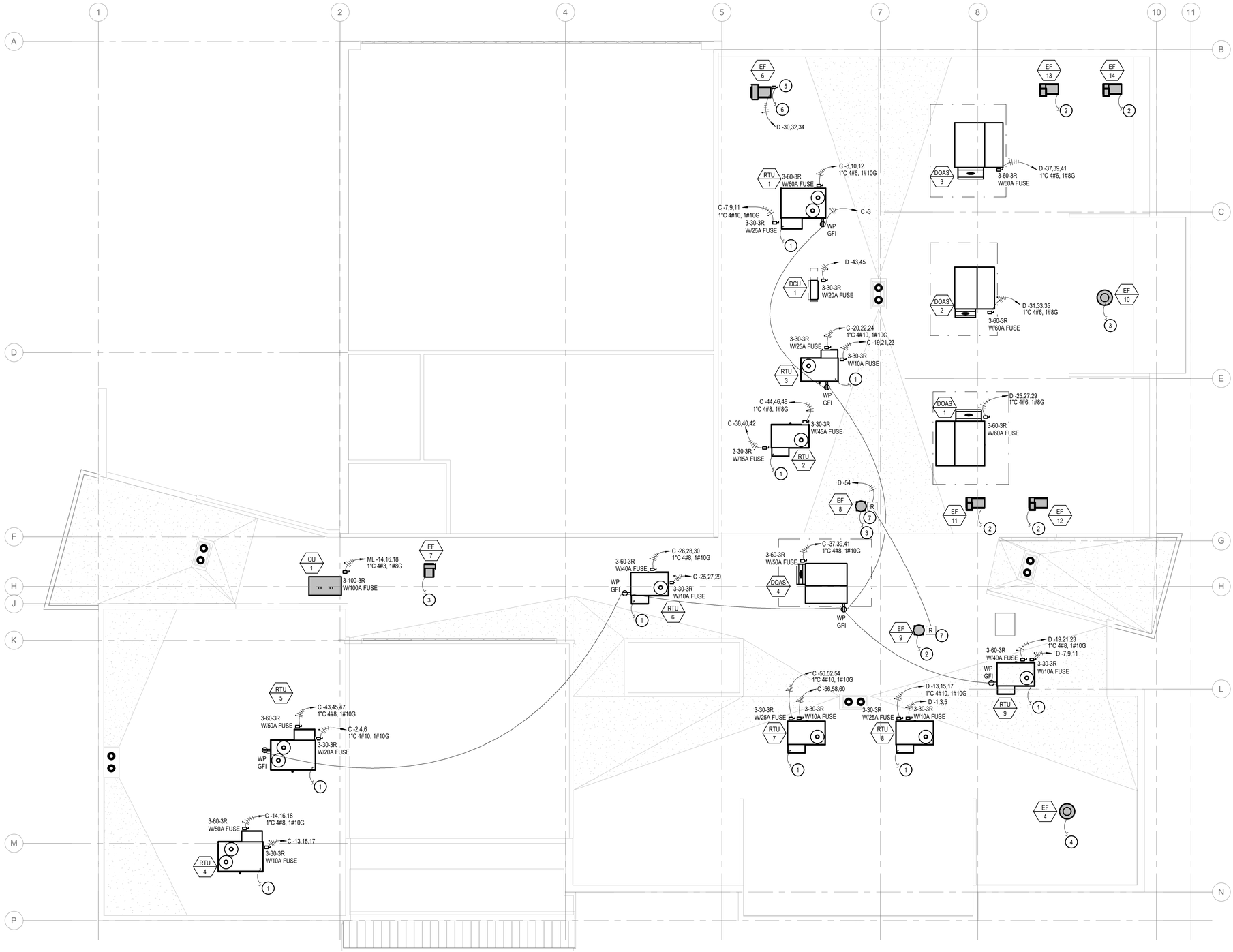
DRAWING NO.:

E3.0
MECHANICAL POWER PLAN



1 ROOF MECHANICAL POWER PLAN
1/8" = 1'-0"

NORTH

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. 3/4"C TO T-STAT FOR CONTROLS.
2. CONNECT TO FUME HOOD. COORDINATE WITH MECHANICAL.
3. CONNECT TO SWITCH. COORDINATE WITH MECHANICAL.
4. CONNECT TO HOOD H-1. COORDINATE WITH MECHANICAL.
5. PROVIDE COMBINATION MOTOR STARTER DISCONNECT WITH 120V COIL.
6. TO VEHICLE EXHAUST STARTED IN TRAINING LAB #1.
7. INSTALL FUNCTIONAL DEVICE RIB2401B OR EQUAL FOR INTERLOCK WITH DDC SYSTEM. COORDINATE INSTALLATION WITH DDC CONTRACTOR.

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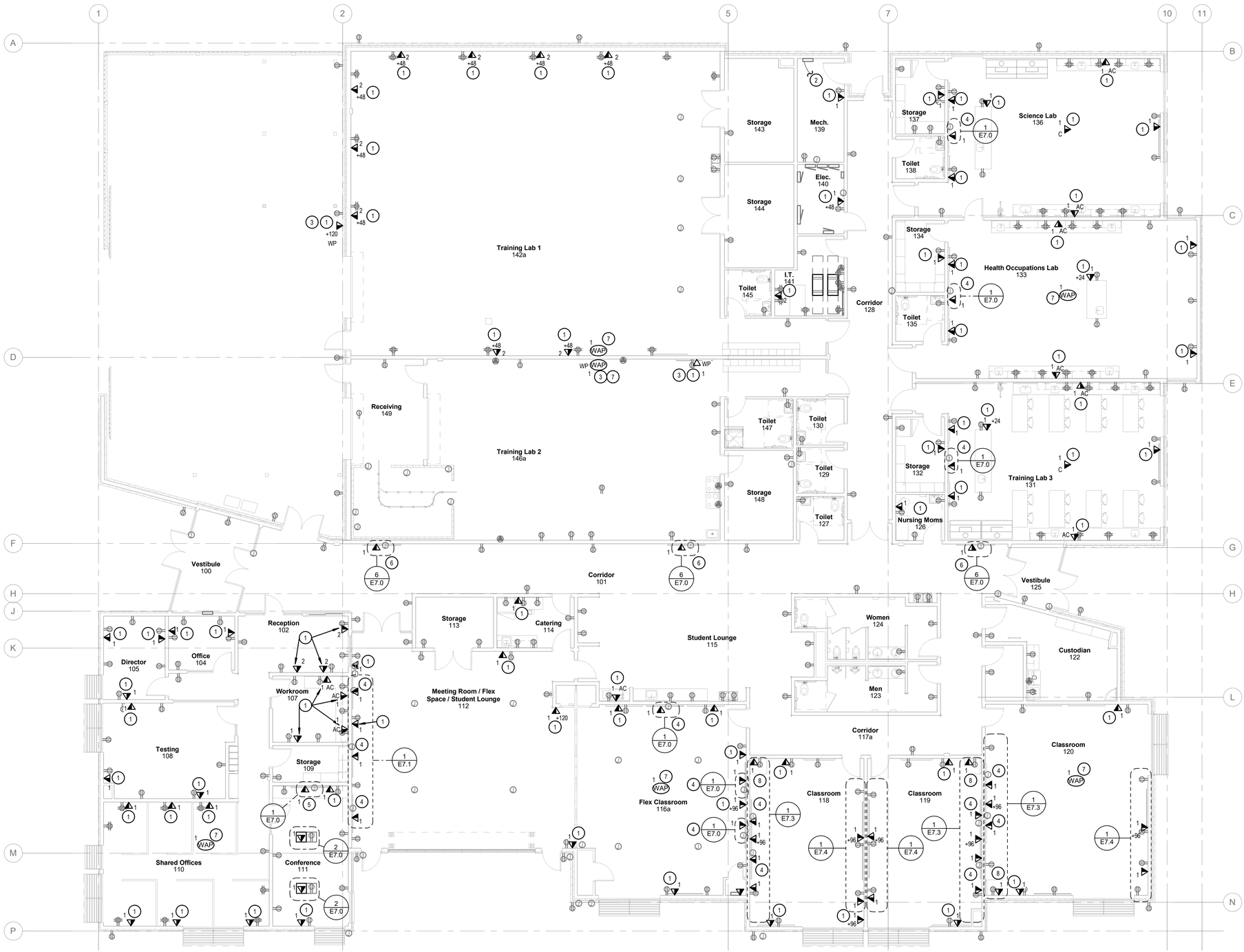
DRAWING NO.:

E3.1
ROOF MECHANICAL POWER PLAN



1 SPECIAL SYSTEMS PLAN
1/8" = 1'-0"

NORTH

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. SEE SHEET E7.0 FOR DATA ROUGH-IN ELEVATION DETAIL.
2. 1"C 2-CAT5E CABLES TO TELEPHONE BACKBOARD FOR FIRE ALARM PANEL.
3. IP66 RJ4 TO BE INSTALLED.
4. STRUCTURED MEDIA CONTRACTOR SHALL PURCHASE AND INSTALL 86" LED 4K UHD SMART TV-LG MODEL# 86UT7590PUA WITH WALL MOUNT ECHOGEAR EGLT2.
5. STRUCTURED MEDIA CONTRACTOR SHALL PURCHASE AND INSTALL 75" LED 4K UHD SMART TV-LG MODEL# 75UT7590PUA WITH WALL MOUNT ECHOGEAR EGLT2.
6. STRUCTURED MEDIA CONTRACTOR SHALL PURCHASE AND INSTALL 65" LED 4K UHD SMART TV-LG MODEL# 65UT7570PUB WITH WALL MOUNT ECHOGEAR EGLT2.
7. STRUCTURED MEDIA CONTRACTOR SHALL PURCHASE AND INSTALL WAP RUCKUS NO R750, LICENSE AND WARRANTY TO BE ISSUED WITH CSI OWNERSHIP COORDINATE WITH CSI.
8. SEE ZOOM ROOM AV RISER DIAGRAM ON E7.2.

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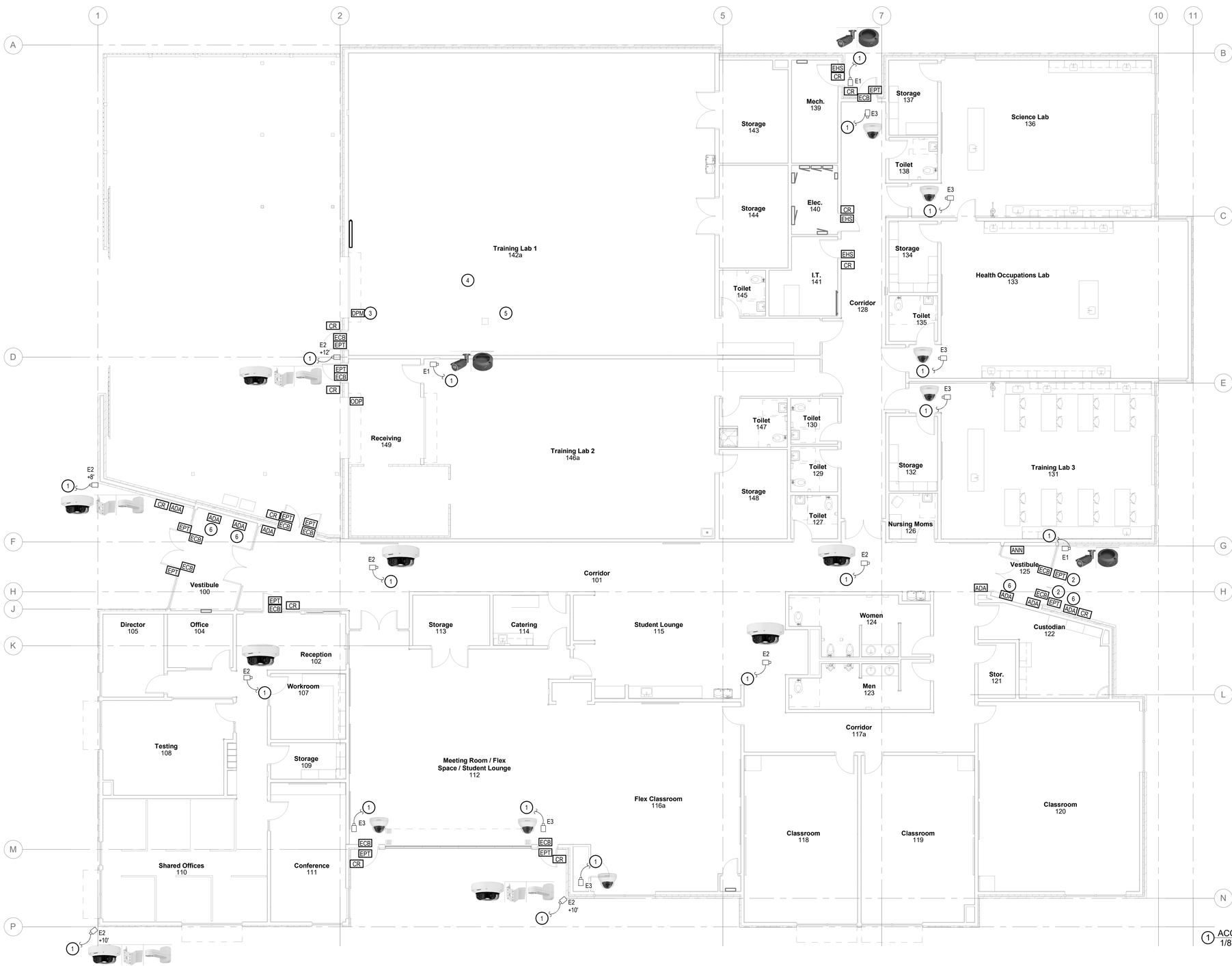
DRAWING NO.:

E4.0
SPECIAL SYSTEMS PLAN

CAMERA SCHEDULE (MINIMUM SPECIFICATIONS)

SYMBOL	FORM FACTOR	FIELD OF VIEW	LENS	SHUTTER SPEED	RESOLUTION H.264	FRAMES PER SECOND	MINIMUM ILLUMINATION	POWER INPUT DC 12V	HOUSING	OPERATING TEMPERATURE
E1	EXTERIOR BULLET	H: 104-36 / V: 55-120	2.8-8.5MM, F1.2	1/62500S - 2S	3MP (3072X1728)	25/30	0.15 LUX @ F1.2 (COLOR)	POE	IP66	-40 C TO 60 C
E2	MULTI-DIRECTIONAL	H: 61.8D(W)-2.19D(TELE), V: 36.2D(W)-1.24D(TELE)	5CH:4.44-142.6mm(32X) ZOOM	2-1/12,000 SEC	5MP (2560X1920), 3-2MP (1920X1080)	30/25	0.15 LUX @ F1.2 (COLOR)	HPOE	IP66	-40 C TO 55 C
E3	MULTI-DIRECTIONAL	INDOOR DOME 120dB	2MP 2.8MM FIXED	1/12,000 SEC	2MP (1920X1080)	30	0.27 LUX @ F2.0 (COLOR)	POE		-40 C TO 55 C



1 ACCESS CONTROL PLAN
1/8" = 1'-0"

KEYED NOTES:

(#) SYMBOL USED FOR CALLOUT

1. PROVIDE AND INSTALL 3/4"C TO NEAREST CABLE TRAY. PROVIDE AND INSTALL CAT6 GRAY WINDY CITY WIRE 5566080 OR EQUAL FROM CAMERA TO IT RACK.
2. PROVIDE AND INSTALL 3/4"C TO DOOR CONTROL PANEL WITH WINDY CITY WIRE 4461060 OR EQUAL.
3. CSI STANDARDIZED 3 WIRELESS DOOR CONTACT INOVONICS EN1210N WITH MAGNETIC DOOR CONTACT WBOX OE-DC4811.
4. CSI STANDARDIZED 4-ZONE WIRELESS RECEIVER INOVONICS EN4204R
5. PROVIDE AND INSTALL 3/4"C TO DOOR CONTROL PANEL WITH WINDY CITY WIRE 002393-50 OR EQUAL.
6. PROVIDE POWER TO DOOR FOR WIRELESS ADA OPENER. SEE SHEET E7.1 FOR MORE INFORMATION.

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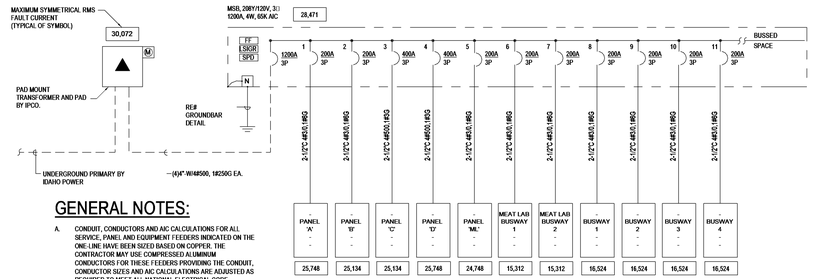
DRAWING NO.:

E5.0
ACCESS CONTROL PLAN



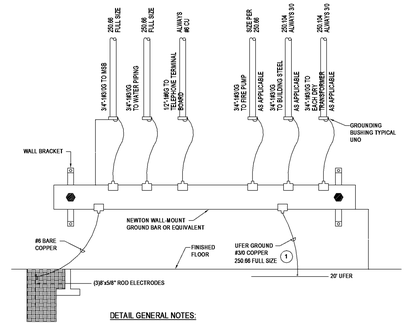
1 ONE-LINE DIAGRAM
NTS

GENERAL NOTES:

A. CONDUIT, CONDUCTORS AND AIC CALCULATIONS FOR ALL SERVICE, PANEL AND EQUIPMENT FEEDERS INDICATED ON THE ONE-LINE HAVE BEEN SIZED BASED ON COPPER. THE CONTRACTOR MAY USE COMPRESSED AUMINIUM CONDUCTORS FOR THESE FEEDERS PROVIDING THE CONDUIT, CONDUCTOR SIZES AND AIC CALCULATIONS ARE ADJUSTED AS REQUIRED TO MEET ALL NATIONAL ELECTRICAL CODE REQUIREMENTS.

B. FURNISH AND INSTALL ENGRAVED LABEL ON THE FRONT OF ALL ELECTRICAL EQUIPMENT NOTING THE AVAILABLE FAULT CURRENT VALUE SHOWN.

C. A COORDINATION STUDY SHALL BE PERFORMED ON THE GROUND FAULT PROTECTION SYSTEM AND THE GROUND FAULT PROTECTION SYSTEM SHALL BE PERFORMANCE TESTED TO VERIFY PROPER OPERATION AS REQUIRED BY NEC 230.95 AT A MINIMUM. REFER TO SPECIFICATIONS FOR ADDITIONAL STUDY AND TESTING REQUIREMENTS.



DETAIL GENERAL NOTES:

A. ALL CONDUCTORS SHALL BE IN EMT CONDUIT UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL HAVE A GROUNDING BUSHING AT EACH END.
B. ALL CONNECTIONS SHALL BE EXOTHERMIC WELD, LISTED PRESSURE CONNECTORS, LISTED CLAMPS OR OTHER LISTED MEANS.
C. PROVIDE BONDING OF GAS PIPING PER NEC 250.104(B)(1).

DETAIL KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. UFER GROUND TO BE 20' OF #4 AWG COPPER OR 1/2" MINIMUM DIAMETER STEEL REINFORCING BAR PER 250.52.

2 GROUND BAR DETAIL
NTS

Branch Panel: MSB

Location: ELEC 140
Supply From: Transformer
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: SEE ONELINE
Mains Type: MCB
Mains Rating: 1200 A

Notes:
PROVIDE WITH 100K SOURSE PROTECTIVE DEVICE AND PHASE FAILURE MONITOR

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT
1	PANEL A		200 A	3	11920 VA 15479 VA			3	200 A		PANEL B	2
3	--	--	--	--		12220 VA 14992 VA		--	--	--	--	4
5	--	--	--	--			15960 VA 13936 VA	--	--	--	--	6
7	PANEL C		400 A	3	29052 VA 30069 VA			3	400 A		PANEL D	8
9	--	--	--	--		29952 VA 30549 VA		--	--	--	--	10
11	--	--	--	--			29928 VA 29314 VA	--	--	--	--	12
13	MEAT LAB POWERED BUSWAY		200 A	3	12000 VA 12000 VA			3	200 A		MEAT LAB POWERED BUSWAY	14
15	--	--	--	--		12000 VA 12000 VA		--	--	--	--	16
17	--	--	--	--			12000 VA 12000 VA	--	--	--	--	18
19	MEAT LAB		200 A	3	14068 VA 12000 VA			3	200 A		POWERED BUSWAY 1	20
21	--	--	--	--		11582 VA 12000 VA		--	--	--	--	22
23	--	--	--	--			13048 VA 12000 VA	--	--	--	--	24
25	POWERED BUSWAY 2		200 A	3	12000 VA 12000 VA			3	200 A		POWERED BUSWAY 3	26
27	--	--	--	--		12000 VA 12000 VA		--	--	--	--	28
29	--	--	--	--			12000 VA 12000 VA	--	--	--	--	30
31	POWERED BUSYWAY 4		200 A	3	12000 VA 0 VA			3	200 A		SPARE	32
33	--	--	--	--		12000 VA 0 VA		--	--	--	--	34
35	--	--	--	--			12000 VA 0 VA	--	--	--	--	36
37	SPARE		200 A	3	0 VA 0 VA			3	200 A		SPARE	38
39	--	--	--	--		0 VA 0 VA		--	--	--	--	40
41	--	--	--	--			0 VA 0 VA	--	--	--	--	42
			Total Load:		172588 VA	171294 VA	174187 VA					
			Total Amps:		1440 A	1427 A	1453 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	169357 VA	100.00%	169357 VA		
Lighting	6867 VA	100.00%	6867 VA	**Total Conn. Load:**	518069 VA
Other	18784 VA	100.00%	18784 VA	**Total Est. Demand:**	369887 VA
Power	15703 VA	100.00%	15703 VA	**Total Conn. Current:**	1438 A
Receptacle	306364 VA	51.63%	158182 VA	**Total Est. Demand Current:**	1027 A

3 IDAHO POWER VAULT DETAIL
NTS

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PROFESSIONAL ENGINEER REGISTERED 13299 11/5/2024 STATE OF IDAHO MATTHEW N. BRADLEY

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DRAWN BY: CJ
CHECKED BY: MB

BID SET

DRAWING NO.:

E6.0
ONE-LINE DIAGRAM

Branch Panel: A

Location: ELEC 140
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: SEE ONELINE
Mains Type: MLO
Mains Rating: 225 A

CKT Notes:
1. GFCI FOR PERSONNEL PROTECTION (5mA)

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT
1	RECEPTS EXTERIOR NORTH		20 A	1	720 VA	540 VA		1	20 A		RECETPS EXTERIOR NORTH EAST	2
3	RECEPTS FLEX EXTERIOR		20 A	1		900 VA	540 VA	1	20 A		RECEPTS EXTERIOR S	4
5	RECEPTS FLEX 112, STORAGE 113		20 A	1			1080 VA	1260 VA	1	20 A		RECEPTS CLASS 118 TV	6
7	RECEPTS CLASS 110 TV		20 A	1	1260 VA	1080 VA			1	20 A		RECEPTS CLASS 116	8
9	RECEPTS CLASS 116		20 A	1		540 VA	900 VA		1	20 A		RECEPTS CLASS 120 COUNTER	10
11	RECEPTS CLASS 120 TV		20 A	1			1440 VA	540 VA	1	20 A		RECEPTS CLASS 118 TEACHER	12
13	RECEPTS CLASS 119 TEACHER		20 A	1	720 VA	1260 VA			1	20 A		RECEPTS RR 123, 124, HALLWAY	14
15	RECEPTS 121, 122, VEST, EXT....		20 A	1		1440 VA	900 VA		1	20 A		RECEPTS CONF COUNTER, TV, FB	16
17	RECEPTS OFFICE 104, HALL		20 A	1			1080 VA	1080 VA	1	20 A		RECEPTS CONF 111	18
19	RECEPTS HALL, STORAGE 109,...		20 A	1	1260 VA	540 VA			1	20 A		RECEPTS TESTING 108	20
21	RECEPTS WORK 107		20 A	1		360 VA	900 VA		1	20 A		RECEPTS TESTING 108, HALL	22
23	RECEPTS RECEPTION 102		20 A	1			900 VA	1080 VA	1	20 A		RECEPTS DIRECTOR 105	24
25	REFRIGERATOR CATERING 114		20 A	1	180 VA	180 VA			1	20 A		RECEPT STUDENT LOUNGE...	26
27	RECEPTS STUDENT LOUNGE		20 A	1		360 VA	1200 VA		1	20 A	1	RECEPT S.LNGE DRINK FOUNTAIN	28
29	RECEPTS TOILETS, HALL, MOMS...		20 A	1			1620 VA	1080 VA	1	20 A		RECEPTS LAB 3 TV, ISLAND	30
31	RECEPTS LAB 3 S COUNTER		20 A	1	1000 VA	1180 VA			1	20 A		RECEPTS LAB 3 S COUNTER E	32
33	RECEPTS LAB 3 N COUNTER		20 A	1		1180 VA	1000 VA		1	20 A		RECEPTS LAB 3 N COUNTER	34
35	RECEPTS EXT, VEST 100, HALL, TV		20 A	1			1440 VA	1080 VA	1	20 A		RECEPTS 132, 135,134, 128, 140	36
37	RECEPTS SHARED OFFICE 110 SE		20 A	1	1000 VA	1000 VA			1	20 A		RECEPTS SHARED OFFICE 110 S	38
39	RECEPTS SHARED OFFICE NW		20 A	1		1000 VA	1000 VA		1	20 A		RECEPTS SHARED OFFICE 110 N	40
41	RECEPTS HALL DRINKING...	1	20 A	1			1200 VA	1080 VA	1	20 A		RECEPTS FLEX ROOM TVS	42
			Total Load:		11920 VA		12220 VA	15960 VA					
			Total Amps:		99 A		102 A	133 A					

Branch Panel: B

Location: ELEC 140
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: SEE ONELINE
Mains Type: MLO
Mains Rating: 225 A

CKT Notes:
1. GFCI FOR PERSONNEL PROTECTION (5mA)

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT
1	RECEPTS LAB 133 TV		20 A	1	720 VA	1920 VA		1	20 A		LIGHTING OFF 102-110 CLASS...	2
3	RECEPTS LAB 133 S COUTNER		20 A	1			1000 VA	1773 VA	1	20 A		LIGHTING LAB 131, 133, 136 STO...	4
5	RECEPTS LAB 133 S COUNTER		20 A	1					1	20 A		LIGHTING MEETING/FLEX/LOUNG...	6
7	RECEPTS LAB 133 ISLAND		20 A	1	1260 VA	1348 VA			1	20 A		LIGHTING TRAIN LAB 1 SOUTH	8
9	RECEPTS LAB 133 N COUNTER		20 A	1			1000 VA	1290 VA	1	20 A		LIGHTING TRAIN LAB 1 NORTH	10
11	RECEPTS MECH/STOR 143/144 R...		20 A	1					1	20 A		LIGHTING RRS/IT/ELEC/STOR 143,4	12
13	RECEPTS LAB 1 S		20 A	1	720 VA	1051 VA			1	20 A		LIGHTING CORRIDORS	14
15	RECEPTS LAB 1 S		20 A	1			720 VA	756 VA	1	20 A		LIGHTING PARKING LOT	16
17	RECEPTS RECEIVING/ EXTERIOR		20 A	1					1	20 A		RECEPTS LAB 1 W WALL	18
19	RECEPTS LAB 1 NW		20 A	1	1080 VA	720 VA			1	20 A		RECEPTS LAB 1 N CENTER	20
21	RECEPTS LAB 1 NE		20 A	1			720 VA	1200 VA	1	20 A	1	RECEPTS LAB 1 DRINKING...	22
23	RECEPTS LAB 133 N COUNTER		20 A	1					1	20 A		RECEPTS LAB 136 S COUNTER	24
25	RECEPTS LAB 136 S COUNTER		20 A	1	1180 VA	1180 VA			1	20 A		RECEPTS LAB 136 N COUNTER	26
27	RECEPTS LAB 136 N COUNTER		20 A	1			1000 VA	180 VA	1	20 A		JUNCTION BOX TESTING 108...	28
29	JUNCTION BOX TESTING 108...		20 A	1					1	20 A		JUNCTION BOX LAB 131 FUTURE	30
31	JUNCTION BOX LAB 131 FUTURE		20 A	1	180 VA	180 VA			1	20 A		JUNCTION BOX LAB 131 FUTURE	32
33	JUNCTION BOX LAB 131 FUTURE		20 A	1			180 VA	180 VA	1	20 A		JUNCTION BOX LAB 131 FUTURE	34
35	JUNCTION BOX LAB 131 FUTURE		20 A	1					1	20 A	1	REFRIGERATOR STORAGE 132	36
37	TELEPHONE BACKBOARD		20 A	1	500 VA	720 VA			1	20 A	1	RECEPT STORAGE 132 ICE...	38
39	TELEPHONE BACKBOARD		20 A	1			500 VA	500 VA	1	20 A		RECEPT IT ROOM DATA RACK	40
41	RECEPTS IT ROOM DESK		20 A	1					1	20 A		RECEPTS SCIENCE LAB 136 TV	42
43	RECEPT IT ROOM DATA RACK		20 A	1	500 VA	0 VA			1	20 A		FACP MECH 139	44
45	RECEPT STORAGE 137 ICE...	1	20 A	1			720 VA	1400 VA	1	20 A	1	BOTTLE FILLER CORRIDOR 128	46
47	LIGHTING BUILDING EXTERIOR		20 A	1					1	20 A	1	REFRIGERATOR STORAGE 137	48
49	RECEPTS STORAGE 137, RR 138		20 A	1	540 VA	1000 VA			1	20 A		OVERHEAD DOOR LAB 1 142	50
51	CUSTODIAN 122 WASHER	1	20 A	1			720 VA	689 VA	1	20 A		LIGHTING LAB/RR/STOR/RECEIV	52
53	CUSTODIAN 122 DRYER	1	30 A	3					1	20 A		RECEPT CUSTOIDAL CHEM CLEAN	54
55	--	--	--	--	167 VA	167 VA			3	20 A		DATA RACK	56
57	--	--	--	--			167 VA	167 VA	--	--	--	--	58
59	RECEPT STORAGE 137 CHEM...		20 A	1					1	20 A		--	60
61	RECEPT WORKROOM 107 COPIER	1	20 A	1	180 VA	167 VA			3	20 A		DATA RACK	62
63	SPARE		20 A	1			0 VA	167 VA	--	--	--	--	64
65	SPARE		20 A	1					1	20 A		--	66
67	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	68
69	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	70
71	SPARE		20 A	1					1	20 A		SPARE	72
			Total Load:		15479 VA		14992 VA	13936 VA					
			Total Amps:		130 A		126 A	116 A					

Branch Panel: C

Location: ELEC 140
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: SEE ONELINE
Mains Type: MLO
Mains Rating: 400 A

CKT Notes:
1. GFCI FOR PERSONNEL PROTECTION (5mA)

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT
1	TRAINING LAB 1 VEHICLE...		20 A	1	0 VA	769 VA		3	20 A		RTU-5 POWER EXHAUST	2
3	RECEPTS ROOF TOP		20 A	1		1080 VA	769 VA	--	--	--	--	4
5	UNIT HEATER LAB 1 UH-1		20 A	1			1056 VA	769 VA	--	--	--	6
7	RTU-1 POWER EXHAUST		25 A	3	1143 VA	4323 VA		3	60 A		RTU-1	8
9	--	--	--	--		1143 VA	4323 VA	--	--	--	--	10
11	--	--	--	--			1143 VA	4323 VA	--	--	--	12
13	RTU-4 POWER EXHAUST		20 A	3	461 VA	3939 VA		3	50 A		RTU-4	14
15	--	--	--	--		461 VA	3939 VA	--	--	--	--	16
17	--	--	--	--			461 VA	3939 VA	--	--	--	18
19	RTU-3 POWER EXHAUST		20 A	3	279 VA	1729 VA		3	30 A		RTU-3	20
21	--	--	--	--		279 VA	1729 VA	--	--	--	--	22
23	--	--	--	--			279 VA	1729 VA	--	--	--	24
25	RTU-6 POWER EXHAUST		20 A	3	769 VA	2786 VA		3	40 A		RTU-6	26
27	--	--	--	--		769 VA	2786 VA	--	--	--	--	28
29	--	--	--	--			769 VA	2786 VA	--	--	--	30
31	ELEC HEATER VEST 125 EH-3		20 A	3	311 VA	460 VA		3	20 A		ELEC HEATER VEST 100 EH-2	32
33	--	--	--	--		311 VA	460 VA	--	--	--	--	34
35	--	--	--	--			311 VA	460 VA	--	--	--	36
37	DOAS-4		50 A	3	2306 VA	279 VA		3	20 A		RTU-2 POWER EXHAUST	38
39	--	--	--	--		2306 VA	279 VA	--	--	--	--	40
41	--	--	--	--			2306 VA	279 VA	--	--	--	42
43	RTU-5		50 A	3	3747 VA	3074 VA		3	45 A		RTU-2	44
45	--	--	--	--		3747 VA	3074 VA	--	--	--	--	46
47	--	--	--	--			3747 VA	3074 VA	--	--	--	48
49	ELEC HEATER MECH 139 EH-1		20 A	3	311 VA	1729 VA		3	25 A		RTU-7	50
51	--	--	--	--		311 VA	1729 VA	--	--	--	--	52
53	--	--	--	--			311 VA	1729 VA	--	--	--	54
55	VENDING MACHINE	1	20 A	1	180 VA	279 VA		3	20 A		RTU-7 POWER EXHAUST	56
57	VENDING MACHINE	1	20 A	1		180 VA	279 VA	--	--	--	--	58
59	VENDING MACHINE	1	20 A	1			180 VA	279 VA	--	--	--	60
61	VENDING MACHINE	1	20 A	1	180 VA	0 VA		1	20 A		SPARE	62
63	SPARE		20 A	1		0 VA	0 VA	1	20 A		SPARE	64
65	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	66
67	SPARE		20 A	1	0 VA	0 VA		1	20 A		SPARE	68
69	SPARE		20 A	1		0 VA	0 VA	1	20 A		SPARE	70
71	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	72
			Total Load:		29052 VA		29952 VA	29928 VA					
			Total Amps:		242 A		251 A	251 A					

Branch Panel: D

Location: ELEC 140
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: SEE ONELINE
Mains Type: MLO
Mains Rating: 400 A

CKT Notes:
1. GFCI FOR PERSONNEL PROTECTION (5mA)

CKT	Circuit Description	CKT Note	Trip	Poles	A	B	C	Poles	Trip	CKT Note	Circuit Description	CKT
1	RTU-8 POWER EXHAUST		20 A	3	279 VA	180 VA		1	20 A		JUNCTION BOX LAB 133 FUTURE	2
3	--	--	--	--		279 VA	180 VA	1	20 A		JUNCTION BOX LAB 133 FUTURE	4
5	--	--	--	--			279 VA	180 VA	1	20 A		JUNCTION BOX LAB 133 FUTURE	6
7	RTU-9 POWER EXHAUST		20 A	3	279 VA	180 VA		1	20 A		JUNCTION BOX LAB 136 FUTURE	8
9	--	--	--	--		279 VA	180 VA	1	20 A		JUNCTION BOX LAB 136 FUTURE	10
11	--	--	--	--			279 VA	180 VA	1	20 A		JUNCTION BOX LAB 136 FUTURE	12
13	RTU-8		25 A	3	1729 VA	180 VA		1	20 A		JUNCTION BOX LAB 133 FUTURE	14
15	--	--	--	--		1729 VA	180 VA	1	20 A		JUNCTION BOX LAB 133 FUTURE	16
17	--	--	--	--			1729 VA	180 VA	1	20 A		JUNCTION BOX LAB 133 FUTURE	18
19	RTU-9		40 A	3	1729 VA	180 VA		1	20 A		JUNCTION BOX LAB 136 FUTURE	20
21	--	--	--	--			1729 VA	180 VA	1	20 A		JUNCTION BOX LAB 136 FUTURE	22
23	--	--	--	--					1	20 A		JUNCTION BOX LAB 136 FUTURE	24
25	DOAS-1		60 A	3	4996 VA	540 VA		1	20 A		RECEPTS CATERING 114 N...	26
27	--	--	--	--			4996 VA	360 VA	1	20 A		RECEPTS CATERING 114 S...	28
29	--	--	--	--					3	20 A		EF-6 LAB 1	30
31	DOAS-2		60 A	3	3843 VA	4323 VA					--	--	32
33	--	--	--	--			3843 VA	4323 VA	--	--	--	--	34
35	--	--	--	--					1	20 A		FUME HOOD FH-1 LAB 3 131	36
37	DOAS-3		60 A	3	4996 VA	180 VA			1	20 A		FUME HOOD FH-2 LAB 3 131	38
39	--	--	--	--			4996 VA	180 VA	1	20 A		FUME HOOD FH-3 SCIENCE LAB...	40
41	--	--	--	--					1	20 A		FUME HOOD FH-4 SCIENCE LAB...	42
43	WALL COOLING UNIT DCU-1 IT...		20 A	2	1414 VA	180 VA			1	20 A		HOOD H-1 CUSTODIAN 122	44
45	--	--	--	--			1414 VA	840 VA	1	20 A		EF-7 LAB 2	46
47	EF-10 LAB 133		20 A	1					3	50 A		AIR COMPRESSOR	48
49	AIR COMPRESSOR		50 A	3	2431 VA	2431 VA			--	--	--	--	50
51	--	--	--	--			2431 VA	2431 VA	--	--	--	--	52
53	--	--	--	--					1	20 A		EF-8, EF-9	54
55	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	56
57	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	58
59	SPARE		20 A	1					1	20 A		SPARE	60
61	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	62
63	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	64
65	SPARE		20 A	1					1	20 A		SPARE	66
67	SPARE		20 A	1	0 VA	0 VA			1	20 A		SPARE	68
69	SPARE		20 A	1			0 VA	0 VA	1	20 A		SPARE	70
71	SPARE		20 A	1					1	20 A		SPARE	72
			Total Load:		30069 VA		30549 VA	29314 VA					
			Total Amps:		252 A		256 A	244 A					

Legend:

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STATE OF IDAHO
MATTHEW N. BRADLEY

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Description
Date
#

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Jerome, Idaho

DATE: 10/28/24
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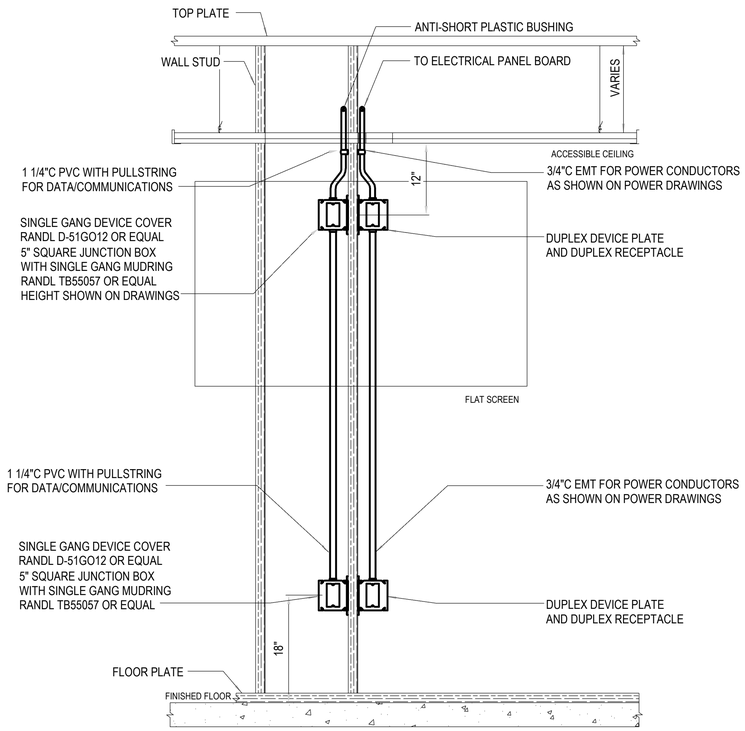
DRAWN BY: CJ
CHECKED BY: MB

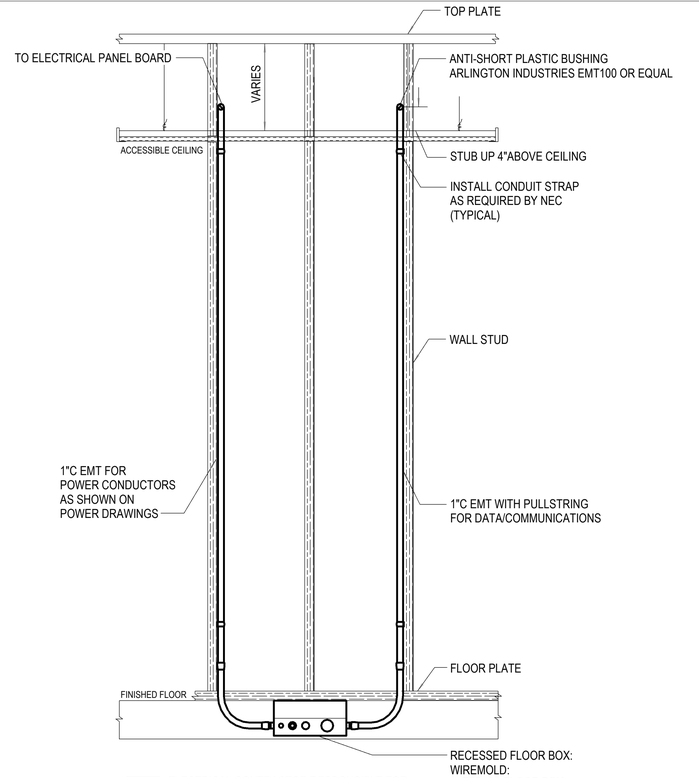
BID SET

DRAWING NO.:
E6.1
PANEL SCHEDULES



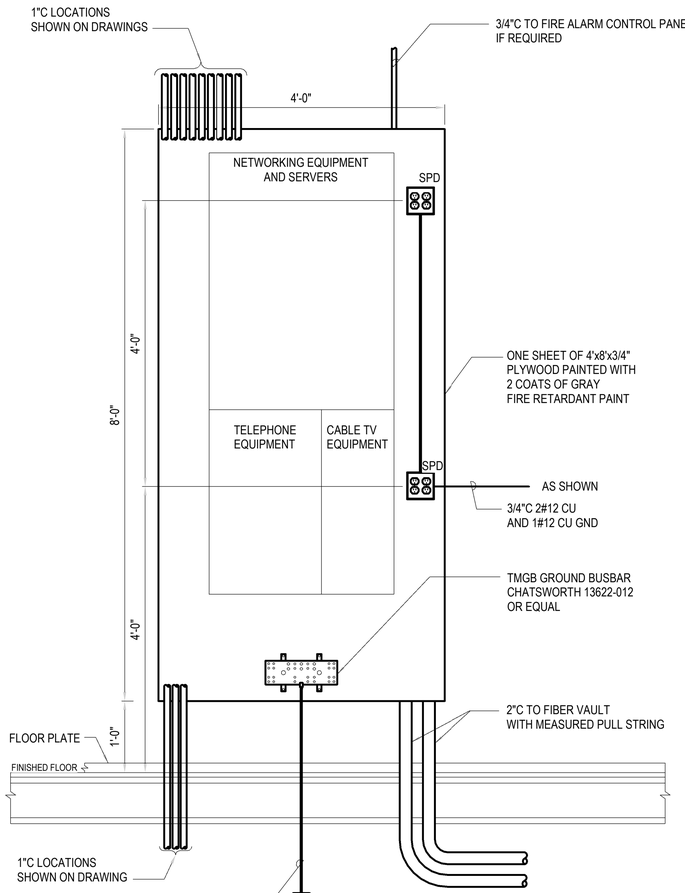
ELECTRICAL CONTRACTOR RESPONSIBLE FOR INSTALLATION OF TV ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

① TV DETAIL CSI STANDARD
1" = 1'-0"

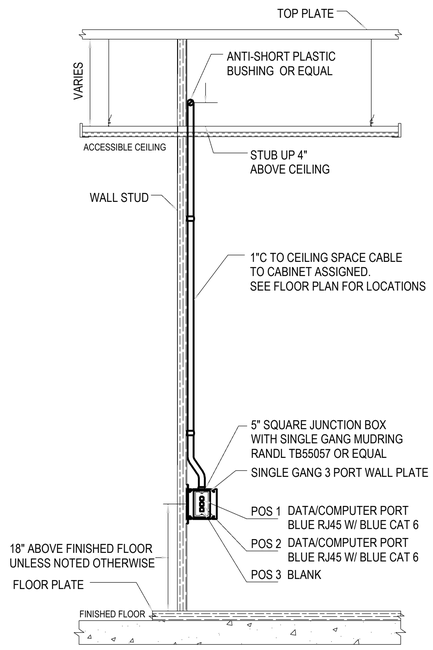


ELECTRICAL CONTRACTOR RESPONSIBLE FOR INSTALLATION OF DATA/TELEPHONE ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

② FLOORBOX DETAIL
1" = 1'-0"

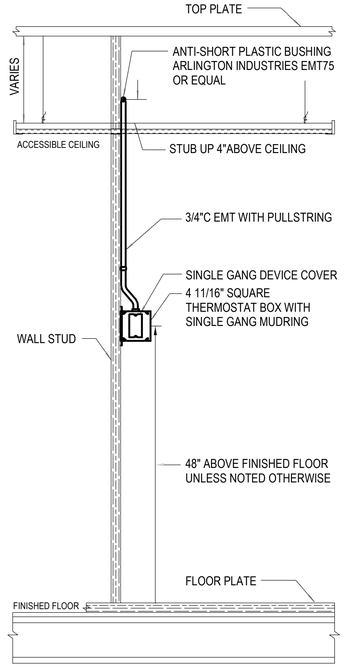


③ TELEPHONE BACKBOARD
1" = 1'-0"



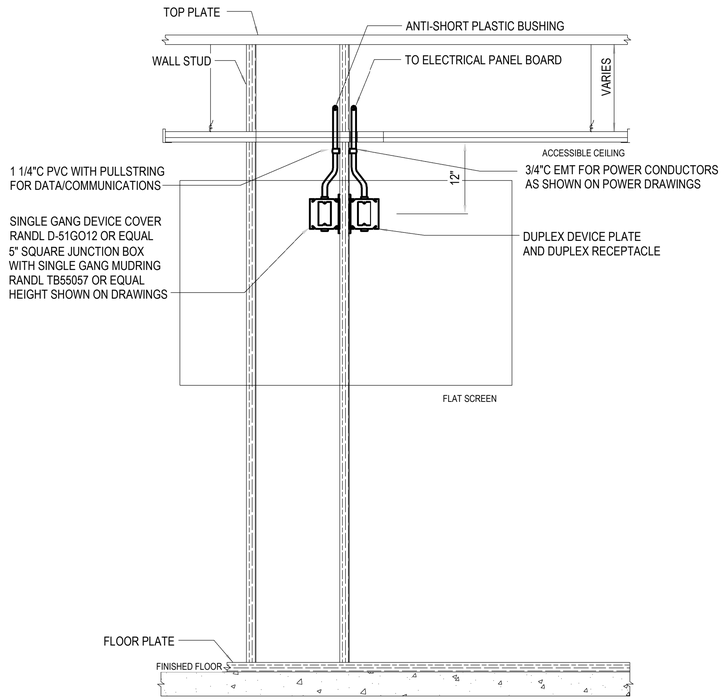
ELECTRICAL CONTRACTOR RESPONSIBLE FOR INSTALLATION OF DATA ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

④ DATA ROUGH-IN DETAIL
1" = 1'-0"



ELECTRICAL CONTRACTOR RESPONSIBLE FOR INSTALLATION OF THERMOSTAT BOX ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

⑤ THERMOSTAT ROUGH-IN DETAIL
1" = 1'-0"



ELECTRICAL CONTRACTOR RESPONSIBLE FOR INSTALLATION OF TV ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

⑥ DIGITAL SIGNAGE TV DETAIL CSI STANDARD
1" = 1'-0"

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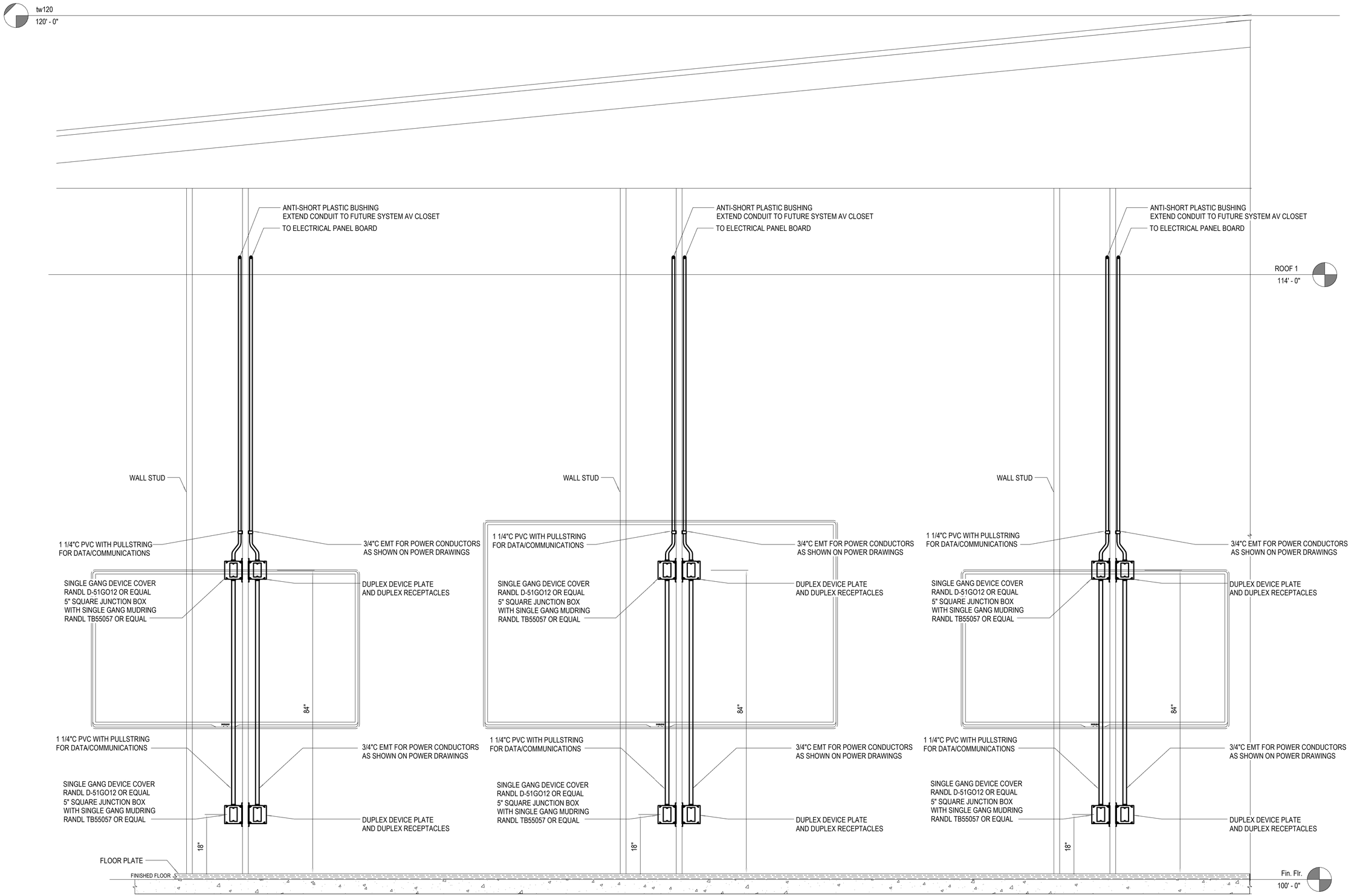
E7.0
ELECTRICAL DETAILS



ELECTRICAL CONTRACTOR RESPONSIBLE FOR INSTALLATION OF TV ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY

1 FLEX ROOM TV ROUGH-IN ELEVATION DETAIL
1" = 1'-0"

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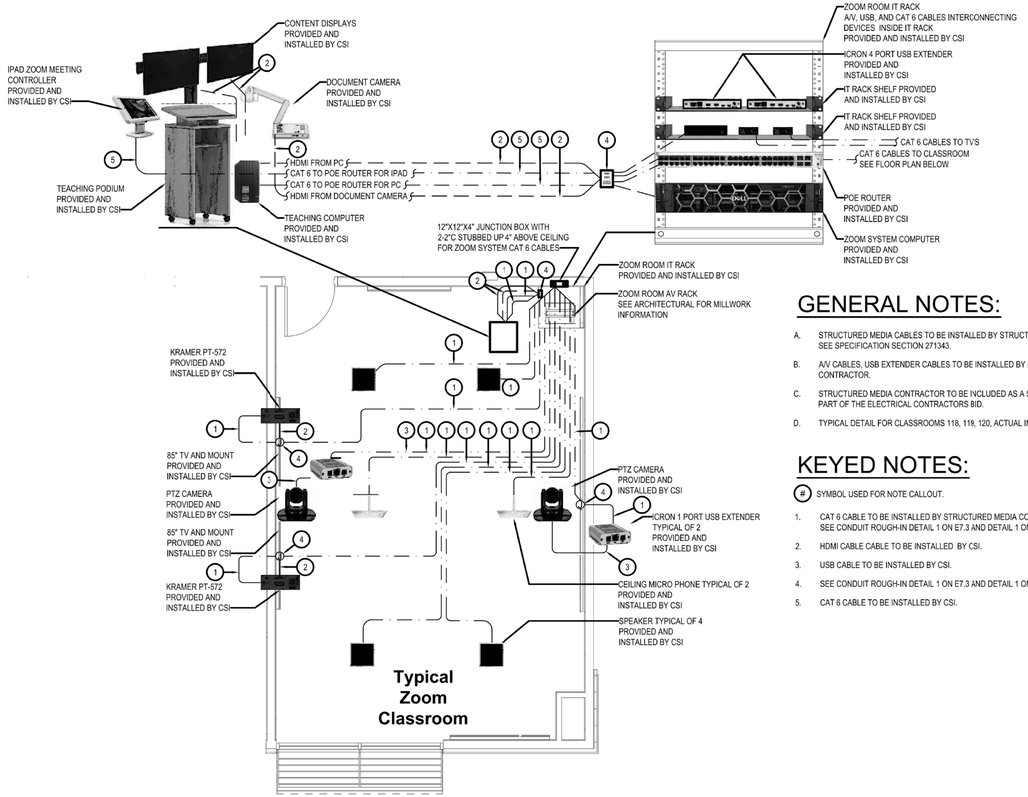


2 ZOOM ROOMS SPECIAL SYSTEMS DIAGRAM
SCALE: NTS

GENERAL NOTES:

A. STRUCTURED MEDIA CABLES TO BE INSTALLED BY STRUCTURED MEDIA CONTRACTOR. SEE SPECIFICATION SECTION 271343.

B. A/V CABLES, USB EXTENDER CABLES TO BE INSTALLED BY STRUCTURED MEDIA CONTRACTOR.

C. STRUCTURED MEDIA CONTRACTOR TO BE INCLUDED AS A SUB CONTRACTOR COST AS PART OF THE ELECTRICAL CONTRACTORS BID.

D. TYPICAL DETAIL FOR CLASSROOMS 118, 119, 120, ACTUAL INSTALLATION MAY VARY.

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. CAT 6 CABLE TO BE INSTALLED BY STRUCTURED MEDIA CONTRACTOR. SEE CONDUIT ROUGH-IN DETAIL 1 ON E7.3 AND DETAIL 1 ON E7.4
2. HDMI CABLE CABLE TO BE INSTALLED BY CSI.
3. USB CABLE TO BE INSTALLED BY CSI.
4. SEE CONDUIT ROUGH-IN DETAIL 1 ON E7.3 AND DETAIL 1 ON E7.4
5. CAT 6 CABLE TO BE INSTALLED BY CSI.

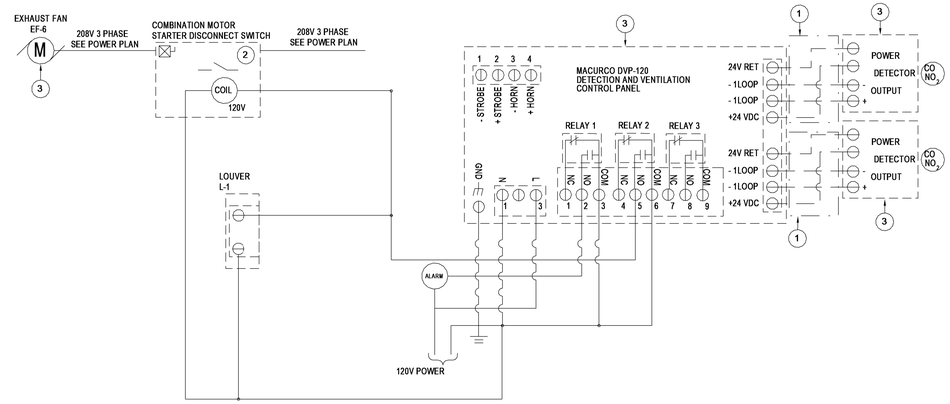
GENERAL NOTES:

1. ALL CONDUIT, JUNCTION BOXES, CONDUIT BODIES AND LINE VOLTAGE CONDUCTORS PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
2. ALL LOW VOLTAGE CONDUCTORS / CABLES PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. 1/2"C BY ELECTRICAL CONTRACTOR, LOW VOLTAGE CONDUCTORS BY MECHANICAL CONTRACTOR.
2. PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
3. PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.



1 VEHICLE EXHAUST SYSTEM INTERLOCK CONNECTION DIAGRAM 1
NTS

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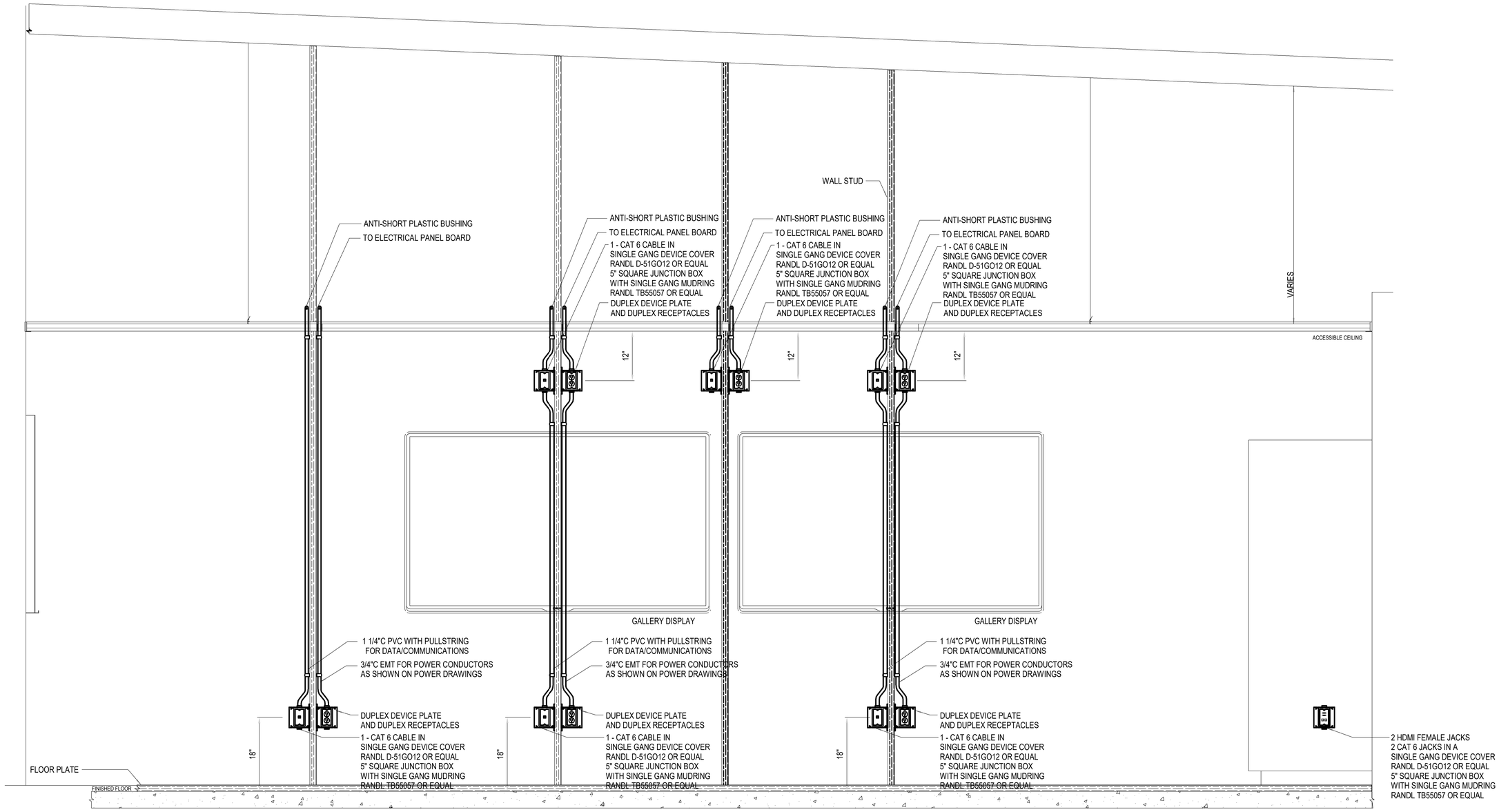
E7.2
ELECTRICAL DETAILS



ELECTRICAL CONTRACTOR RESPONSIBLE FOR INSTALLATION OF TV ROUGH-IN
TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY
CLASSROOM 119, 120 SIMILAR

1 ZOOM ROOM TYPICAL-CLASS 118 - Elevation FRONT
1" = 1'-0"

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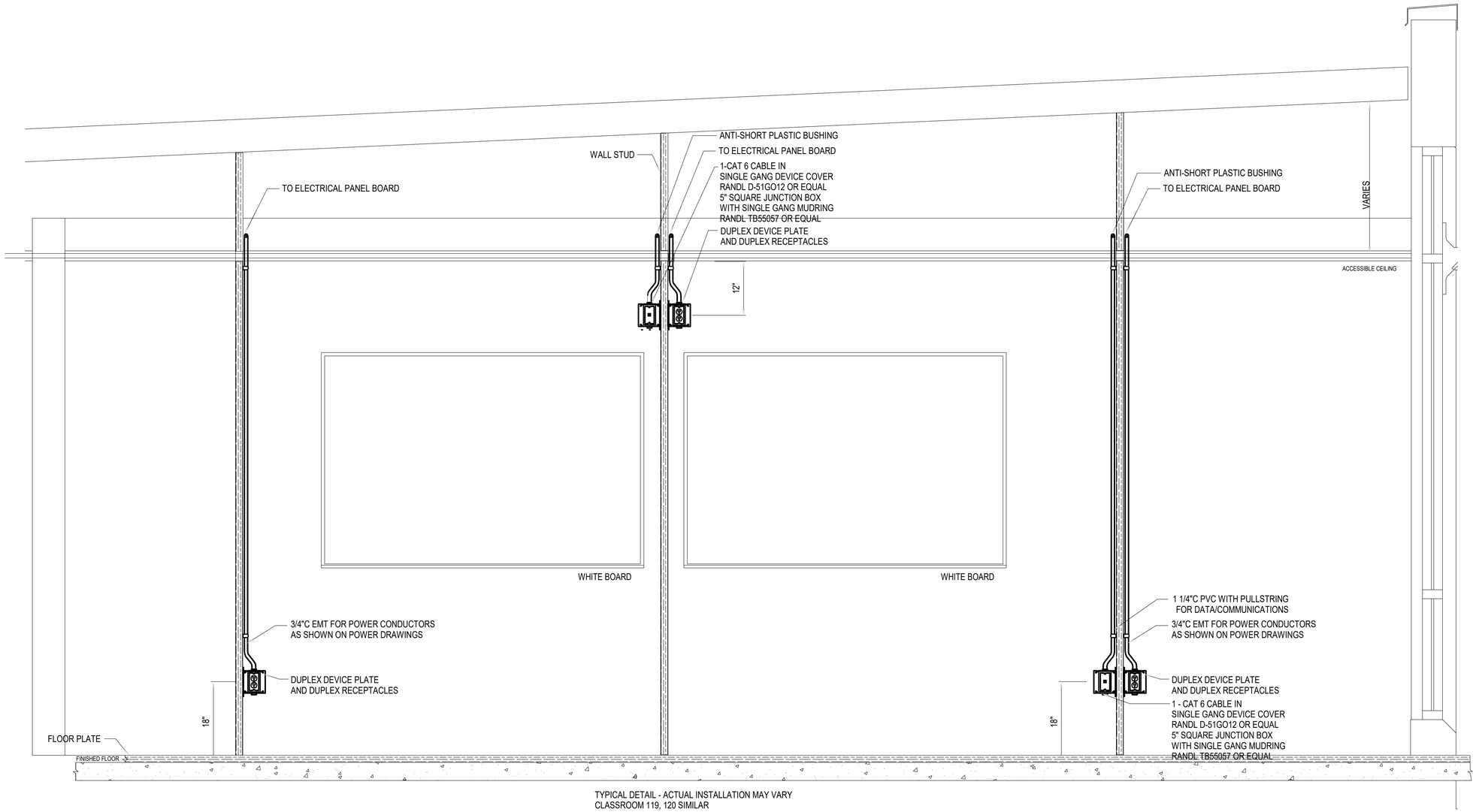
E7.3
ELECTRICAL DETAILS



TYPICAL DETAIL - ACTUAL INSTALLATION MAY VARY
CLASSROOM 119, 120 SIMILAR

1 ZOOM ROOM TYPICAL-CLASS 118 - Elevation BACK
1" = 1'-0"

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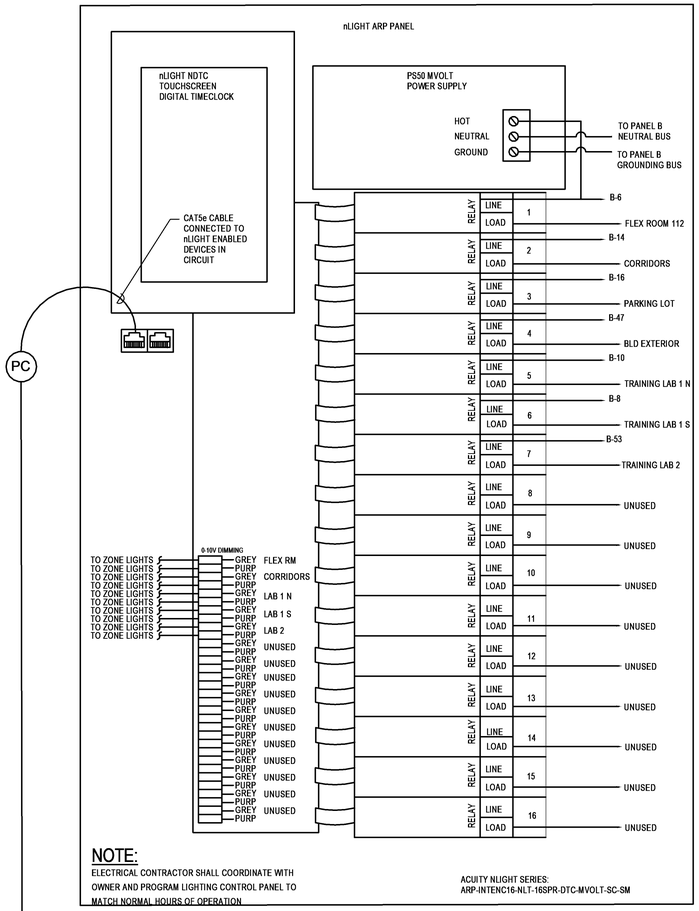
DRAWING NO.:
E7.4
ELECTRICAL DETAILS



NOTE:

ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER AND PROGRAM LIGHTING CONTROL PANEL TO MATCH NORMAL HOURS OF OPERATION

ACUITY NLIGHT SERIES:
ARP-INTENC16-NLT-16SPR-DTC-MVOLT-SC-SM

SWITCH AND OCCUPANCY SENSOR LEGEND

S_{OS1} OCCUPANCY SENSOR - WALL MOUNT, DUAL TECHNOLOGY, 120-277V, SINGLE POLE, MULTI-WAY
SENSOR SWITCH WSXA-MWO-PDT-XX OR EQUAL

S_{OS2} OCCUPANCY SENSOR - WALL MOUNT, DUAL TECHNOLOGY, DIMMING, 120-277V, SINGLE POLE, MULTI-WAY
SENSOR SWITCH WSXA-MWO-PDT-D-XX OR EQUAL

(CS) OCCUPANCY SENSOR - CEILING MOUNT, DUAL TECHNOLOGY, LOW VOLTAGE, SMALL MOTION
SENSOR SWITCH CM-PDT-9 OR EQUAL

(PP) POWER PACK - 120 VOLT, 15 VDC
SENSOR SWITCH PP20 OR EQUAL

S_D DIMMING SWITCH - WALL MOUNT, 120/277V, ON/OFF/DIM, REQUIRES POWER PACK AND 24V TO SWITCH
SENSOR SWITCH SPODMA-MWO OR EQUAL

XX=VERIFY COLOR WITH ARCHITECT PRIOR TO ORDER

EQUAL PRODUCTS FROM WATTSTOPER, LUTRON, LEGRAND, AND EATON WILL BE ACCEPTED

NETWORKED SWITCH AND OCCUPANCY SENSOR LEGEND

(PC) PHOTOCELL- NLIGHT NETWORK, 15 VDC
nLIGHT NIO-PC-NT OR EQUAL TO

S_{OR1} 1 SCENE OVERRIDE SWITCH WITH DIMMING - WALL MOUNT, POE, ON/OFF/RAISE/LOWER
nLIGHT nPODM-DX-XX OR EQUAL TO

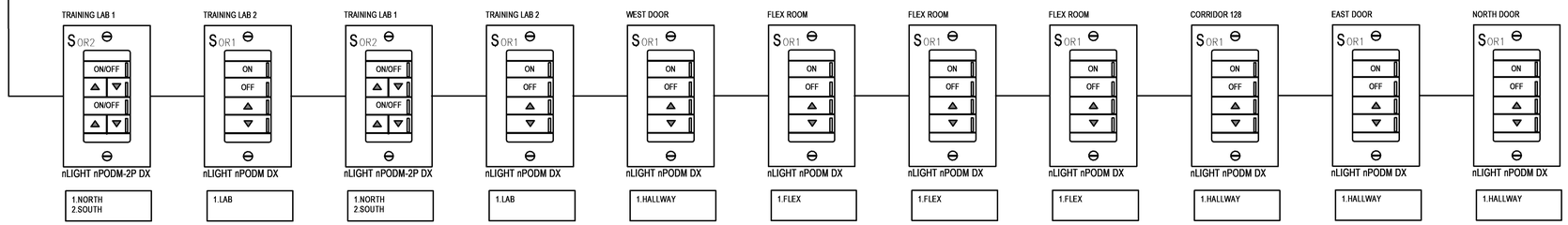
S_{OR2} 2 SCENE OVERRIDE SWITCH WITH DIMMING - WALL MOUNT, POE, ON/OFF/RAISE/LOWER
nLIGHT nPODM-2P-DX-XX OR EQUAL TO

XX=VERIFY COLOR WITH ARCHITECT PRIOR TO ORDER

LIGHTING FIXTURE SCHEDULE (23-319)

TYPE	DESCRIPTION	MTG.	LAMPS	WATTS	MFG. & CATALOG NUMBER	NOTES
A1	CONTRACTOR SELECT 2'x4' LED FLAT PANEL, MVOLT SWITCHABLE LUMEN OUTPUT SET TO LOW (4000 LUMENS) SWITCHABLE COLOR TEMPERATURE, 0-10 VOLT DIMMING	RECESSED	LED 4000K	29	LITHONIA NO: CPX 2X4 ALO8 SWW7 SWL MVOLT BAA MAXLT NO: MLFP-24-G4-27W-CS-BAA ALS NO: LPA 4-BACKLIT-WH-AIA	1
A1E	CONTRACTOR SELECT 2'x4' LED FLAT PANEL, MVOLT SWITCHABLE LUMEN OUTPUT SET TO LOW (4000 LUMENS) SWITCHABLE COLOR TEMP. 0-10 VOLT DIM. EMERGENCY BATTERY	RECESSED	LED 4000K	29	LITHONIA NO: CPX 2X4 ALO8 SWW7 SWL MVOLT E10WLCP BAA MAXLT NO: MLFP-24-G4-27W-CS-EM-BAA ALS NO: LPA 4-BACKLIT-WH-AIA-EMB-H03170	1
A2	CONTRACTOR SELECT 2'x4' LED FLAT PANEL, MVOLT SWITCHABLE LUMEN OUTPUT SET TO MEDIUM (5000 LUMENS) SWITCHABLE COLOR TEMPERATURE, 0-10 VOLT DIMMING	RECESSED	LED 4000K	36	LITHONIA NO: CPX 2X4 ALO8 SWW7 SWL MVOLT BAA MAXLT NO: MLFP-24-G4-27W-CS-BAA ALS NO: LPA 4-BACKLIT-WH-AIA	1
A2E	CONTRACTOR SELECT 2'x4' LED FLAT PANEL, MVOLT SWITCHABLE LUMEN OUTPUT SET TO MEDIUM (5000 LUMENS) SWITCHABLE COLOR TEMP. 0-10 VOLT DIM. EMERGENCY BATTERY	RECESSED	LED 4000K	36	LITHONIA NO: CPX 2X4 ALO8 SWW7 SWL MVOLT E10WLCP BAA MAXLT NO: MLFP-24-G4-27W-CS-EM-BAA ALS NO: LPA 4-BACKLIT-WH-AIA-EMB-H03170	1
A3	CONTRACTOR SELECT 2'x2' LED FLAT PANEL, MVOLT SWITCHABLE LUMEN OUTPUT SET TO LOW (4000 LUMENS) SWITCHABLE COLOR TEMPERATURE, 0-10 VOLT DIMMING	RECESSED	LED 4000K	29	LITHONIA NO: CPX 2X2 ALO8 SWW7 SWL MVOLT BAA MAXLT NO: MLFP-22-G4-18W-CS-BAA ALS NO: LPA 2-BACKLIT-WH-AIA	1
A3E	CONTRACTOR SELECT 2'x2' LED FLAT PANEL, MVOLT SWITCHABLE LUMEN OUTPUT SET TO LOW (4000 LUMENS) SWITCHABLE COLOR TEMP. 0-10 VOLT DIM. EMERGENCY BATTERY	RECESSED	LED 4000K	29	LITHONIA NO: CPX 2X2 ALO8 SWW7 SWL MVOLT E10WLCP BAA MAXLT NO: MLFP-22-G4-18W-CS-EM-BAA ALS NO: LPA 2-BACKLIT-WH-AIA-EMB-H03170	1
B	CONTRACTOR SELECT 1'x4' LED FLAT PANEL, MVOLT SWITCHABLE LUMEN OUTPUT SET TO MEDIUM (3000 LUMENS) SURFACE MOUNT KIT AND EMERGENCY BATTERY	SURFACE	LED 4000K	28	LITHONIA NO: CPX 1X4 ALO7 SWW7 SWL MVOLT BAA 1X4SMKSH MAXLT NO: MLFP-14-G4-20W-CS-BAA ALS NO: LPA 1-BACKLIT-WH-MOUNT-LP-'-4-SMKAIA	1
C1	LED HIGH BAY FIXTURE, 30000 LUMENS WHITE FINISH CABLE HOOK MOUNT	PENDANT	LED 5000K	215	LITHONIA NO: IBE-L4B-30000LM-SD080-MD-MVOLT-GZ10-50K-80CRI-BAA-DWH-IBAC120M100 COLUMBIA NO: PELA-750-L30-B-ED-U-ST-BAA-93302311 METALUX NO: BAA-VHB-30-W-UNV-L850-CD-C10-U	1
C1E	LED HIGH BAY FIXTURE, 30000 LUMENS EMERGENCY BATTERY PACK WHITE FINISH, CABLE HOOK MOUNT	PENDANT	LED 5000K	215	LITHONIA NO: IBE-L4B-30000LM-SD080-MD-MVOLT-GZ10-50K-80CRI-BAA-E15WCP-DWH-IBAC120M100 COLUMBIA NO: PELA-750-L30-B-ED-U-ST-ELL20-BAA-93302311 METALUX NO: BAA-VHB-30-W-UNV-L850-TL14W-REM-CD-C10-U	1
C2	NSF LED HIGH BAY FIXTURE, 6000 LUMENS WHITE FINISH	PENDANT	LED 4000K	38	LITHONIA NO: FEML4B-6000LM-LPAFL-MD-MVOLT-GZ10-40K-80CRI-BAA-MHHK120 COLUMBIA NO: LXEM4-40XL-RFA-EDU XEHC ILP NO: WTZ8-18L-40K -SAFL	1
C3E	NSF LED HIGH BAY FIXTURE, 28000 LUMENS WHITE, PROVIDE HANGING CABLES FULLY ENCLOSED WASH DOWN FIXTURE	PENDANT	LED 4000K	104	LITHONIA NO: FHE-L4B-28000LM-FST-MD-MVOLT-GZ10-40K-80CRI-BAA-MHKB (PROVIDE CABLES) COLUMBIA NO: LXEW4-40V-FA-W-EDU-LHVQM10 KURTZON NO: FP-SEG-1540-3L0-840-CP-UNV-DIM1-VHOOK (PROVIDE CABLES)	1
C3E	NSF LED HIGH BAY FIXTURE, 28000 LUMENS EMERGENCY BATTERY PACK, WHITE FULLY ENCLOSED WASH DOWN FIXTURE	PENDANT	LED 4000K	104	LITHONIA NO: FHE-L4B-28000LM-FST-MD-MVOLT-GZ10-40K-80CRI-E10WLCP-BAA-MHKB (PROVIDE CABLES) COLUMBIA NO: LXEW4-40V-FA-W-EDU-ELL14-LHVQM10 KURTZON NO: FP-SEG-1540-3L0-840-CP-UNV-DIM1-VHOOK-EM10 (PROVIDE CABLES)	1
C4	NSF 2'x4' LED FLAT PANEL, MVOLT FULLY ENCLOSED WASH DOWN FIXTURE NEED TO SPECIFY DOOR/FAME OPTION	RECESSED	LED 4000K	46	KENALL NO: CSEDO-24-45L-DIM1-X-X-SYH-X COLUMBIA NO: OBX-C-24-G-I-A-PCH/PCD-DP1-1C-880-L060-ED-U METALUX NO: BAA-24FCZ2-45-S-UNV-L8/0-CA125-CD1	1
C4E	NSF 2'x4' LED FLAT PANEL, MVOLT EMERGENCY BATTERY PACK FULLY ENCLOSED WASH DOWN FIXTURE	RECESSED	LED 4000K	46	KENALL NO: CSEDO-24-45L-DIM1-X-X-SYH-LEL-X COLUMBIA NO: OBX-C-24-G-I-A-PCH/PCD-DP1-1C-880-L060-ED-U-ELL14 METALUX NO: BAA-24FCZ2-45-S-UNV-L8/0-CA125-CD1-EL14W	1
D1	6" LED DOWNLIGHT, MVOLT 1500 LUMENS, SEMI-SPECULAR FINISH 0-10 VOLT DIMMING	RECESSED	LED 4000K	17.5	LITHONIA NO: LDN6-40/15-L06AR-LSS-MVOLT-GZ10-BAA PRESCOLITE NO: LTR-6RD-H-SL15L-DM1 + LTR-6RD-T-HL40K8WD-SS-BAA PORTFOLIO NO: BAALD6C15D010/BAAEU6C10259040/6LBM1H	1
D1E	6" LED DOWNLIGHT, MVOLT 1500 LUMENS, SEMI-SPECULAR FINISH 0-10 VOLT DIMMING, EMERGENCY BATTERY PACK 10W	RECESSED	LED 4000K	17.5	LITHONIA NO: LDN6-40/15-L06AR-LSS-MVOLT-GZ10-EL-BAA PRESCOLITE NO: LTR-6RD-H-SL15L-DM1EMR + LTR-6RD-T-HL40K8WD-SS-BAA PORTFOLIO NO: BAALD6C15D010IEM14/BAAEU6C10259040/6LBM1HE	1
D2	6" CYLINDER DOWN LIGHT 5000 LUMEVS, CLEAR TRIM, SEMI-SPECULAR, MULTI-VOLT 0-10V DIMMING, BLACK FINISH	PENDANT	LED 4000K	58	LITHONIA NO: LDN6DYL-40/50-L06-AR-LSS-MVOLT-GZ10-ACC-DBL-BAA PRESCOLITE NO: LTC-6RD-P-50L40K8WD-DM1-SSBT-BL PORTFOLIO NO: BAAETOLER6C50D010RMB/BAAETOEC6C40609035/BAA6LBMD3H/BAAETORC1550C2D010AC120MB	1
E1	INTEGRATED EXIT/UNIT COMBO FIXTURE RED EXIT LED WHITE FINISH	SURFACE	LED RED/ COMBO	2.32	LITHONIA NO: LHQM-LED-R-BAA EXITRONIX NO: VEX-U-BP-WB-WH-USA MULE_NO: OEM-USA-R-W	1
E2	CONTEMPORARY COMMERICAL LED EMERGENCY LIGHT	SURFACE	LED	3.3	LITHONIA NO: ELML EXITRONIX NO: NFT-W MULE NO: EM-USA-W	1
E3	FULLY ENCLOSED WASH DOWN EXIT LIGHT RED EXIT LED	SURFACE	LED RED	2.32	KENALL NO: METSU-MW-R-BAA EXITRONIX NO: MULE NO: WLCX-1-R-W-U	1
F	4' LINEAR LED FIXTURE 4000 LUMENS, FLAT DIFFUSE LENS MVOLT, 0-10V DIMMING, WHITE FINISH	SURFACE	LED 5000K	35	LITHONIA NO: CLX-L48-4000LM-SEF-FDL-MVOLT-GZ10-50K-80CRI-BAA-WH COLUMBIA NO: MPS4-40MW-FW-EDU ILP NO: DSC4-4L-SE-U-50-FFLGR	1
FE	4' LINEAR LED FIXTURE 4000 LUMENS, FLAT DIFFUSE LENS MVOLT, 0-10V DIMMING, WHITE FINISH, EM BATTERY	SURFACE	LED 5000K	35	LITHONIA NO: CLX-L48-4000LM-SEF-FDL-MVOLT-GZ10-50K-80CRI-PS1050-BAA-WH COLUMBIA NO: MPS4-40MW-FW-EDU-ELL14 ILP NO: DSC4-4L-SE-U-50-FFLGR-EM10	1
F1	4' LINEAR LED FIXTURE WITH INTEGRAL OCCUPANCY SENSOR 4000 LUMENS, FLAT DIFFUSE LENS MVOLT, 0-10V DIMMING, WHITE FINISH	SURFACE	LED 4000K	35	LITHONIA NO: CLX-L48-4000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI-BAA-MSD7-WH COLUMBIA NO: MPS4-40MW-FW-EDU-ODPG ILP NO: DSC4-4L-SE-U-40-FFLGR-FIOS	1
G1	LED CONTEMPORARY SQUARE VANITY FIXTURE 2' 1500 LUMEVS, ARCHITECT TO CONFIRM FINISH	SURFACE	LED 4000K	27	BROWNLEE LIGHTING NO: 5178-24-XX-H21-40K-BAC SCOTT ARCHITECTURAL LIGHTING NO: S3950-L24-40K-XX-BAC PURE EDGE NO: TW2-S1-4SQ-24IN-40K-SN	1
G2	LED CONTEMPORARY SQUARE VANITY FIXTURE 4' 2900 LUMEVS, ARCHITECT TO CONFIRM FINISH	SURFACE	LED 4000K	36	BROWNLEE LIGHTING NO: 5178-48-XX-H21-40K-BAC SCOTT ARCHITECTURAL LIGHTING NO: S3950-L32-40K-XX-BAC PURE EDGE NO: TW2-S1-4SQ-48IN-40K-SN	1
H	PENDANT LIGHT, 8' LONG 500 LUMENS PER FOOT 0-10V DIMMING COLOR BY ARCHITECT	PENDANT	LED 4000K	50	MARK LIGHTING: S4WID-LLP-6FT-MSL6-80CRI-40K-4000LMF-WG-80CRI-140K-1300LMF-AS-SCT-MIN1-FLL-DCF-MVOLT-XXX-ZT-BAA PINNACLE LIGHTING: EX4DI-WHE-WHE-CL400/840-CL300/840-6'-AC-*-U-FSD-1-0-**- FINELITE NO: HP-4-WM-ID-6FT-S-S-840-ASY-L-F-96LG-277-SC-FC-1%-MB-FE-SW	1
S1	CITY OF JEROME STANDARD STREET LIGHT WITH 12' POLE FULL CUTOFF POST TOP HEAD BLACK FINISH	CITY STAND, POLE	LED 3000K	45	HOLOPHANE NO: PUCL3 P20 30K MVOLT FC3 BK SK WDA 12 SLS 17D O33 BK ABG RP132A FGIUS BK BA 100P 24IN 1A BO SLS HB BK ASSY19492 1882 LIGHTING: CORN2-CA-50W-3K-U-3-8-N-N-DBZ	1
X1	POLE MOUNTED AREA LUMINAIRE 16,796 LUMENS, TYPE T4 DISTRIBUTION SQUARE POLE UNIVERSAL MOUNTING, COLOR BY ARCHITECT	1 HEAD PER POLE	LED 5000K	189	LITHONIA NO: RSX2 LED P4 50K R4 MVOLT SPA BAA XXX EXO NO: ASL1-160L-115-5K7-4W-UNV-A-DBT LUMARK NO: BAA-PRV-XL-PA3A-750-U-TOW-SA-XX	1
X2	6" LED DOWNLIGHT, MVOLT 1500 LUMENS, SEMI-SPECULAR FINISH 0-10 VOLT DIMMING	SURFACE	LED 5000K	14	JUNO NO: LDN6-50/15-L06AR-LSS-MVOL*-GZ10-EL-BAA PRESCOLITE NO: LTR-6RD-H-SL15L-DM1 + LTR-6RD-T-HL50K8WD-SS-BAA PORTFOLIO NO: BAALD6C15D010/BAAEU6C10259050/6LBM1H	1
X2E	6" LED DOWNLIGHT, MVOLT 1500 LUMENS, SEMI-SPECULAR FINISH 0-10 VOLT DIMMING, EMERGENCY BATTERY PACK 10W	SURFACE	LED 5000K	14	JUNO NO: LDN6-50/15-L06AR-LSS-MVOL*-GZ10-EL-BAA PRESCOLITE NO: LTR-6RD-H-SL15L-DM1EM + LTR-6RD-T-HL50K8WD-SS-EM-BAA PORTFOLIO NO: BAALD6C15D010IEM14/BAAEU6C10259050/6LBM1HE	1
X3	EXTERIOR LED WALL PACK 2000 LUMEVS COLOR BY ARCHITECT	SURFACE	LED 5000K	17	LITHONIA NO: WDGE1-LED-P2-50K-80CRI-VW-MVOLT-XXXX-BAA BEACON NO: TRP2-D-20-5K7-FT-UNV-*** ALS NO: WFA-3-SC-DB-UD-AIA	1
X3E	EXTERIOR LED WALL PACK 2000 LUMEVS COLOR BY ARCHITECT, EMERGENCY BATTERY PACK	SURFACE	LED 5000K	17	LITHONIA NO: WDGE1-LED-P2-50K-80CRI-VW-MVOLT-E4WH-XXXX-BAA BEACON NO: TRP2-D-20-5K7-FT-UNV-*** ALS NO: WFA-3-SC-DB-UD-AIA-EMB-18W-C-B	1
P1	30' SQUARE STRAIGHT STEEL POLE, 1 HEAD PER POLE DM19AS MOUNTING PATTERN COLOR BY ARCHITECT	30' POLE	NA	NA	KW NO: SSP30-5S.0-7-XX-(1)WPRP @ 24FT-DMAS19-BC OR SIMILAR FROM VALMONT, LSI, US ARCHITECTURAL	1

LIGHTING FIXTURE SCHEDULE NOTES:
1 SUBSTITUTIONS WILL BE ALLOWED IF SUBMITTED PRIOR TO BID DATE BY THE GREATER OF: 7 BUSINESS DAYS OR THE TIME PERIOD SPECIFIED BY DIVISION 1 SPECIFICATIONS, AND IF DEEMED EQUAL BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SUBSTITUTED FIXTURES MEET OR EXCEED THE SPECIFICATIONS OF THE FIXTURES SPECIFIED.



1 LIGHTING CONTROL PANEL
NTS

LKV ARCHITECTS
2400 E. Riverwalk Drive
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PROFESSIONAL ENGINEER
REGISTERED
13299
11/5/2024
STATE OF IDAHO
MATTHEW N. BRADLEY

Revisions
Description | Date
#

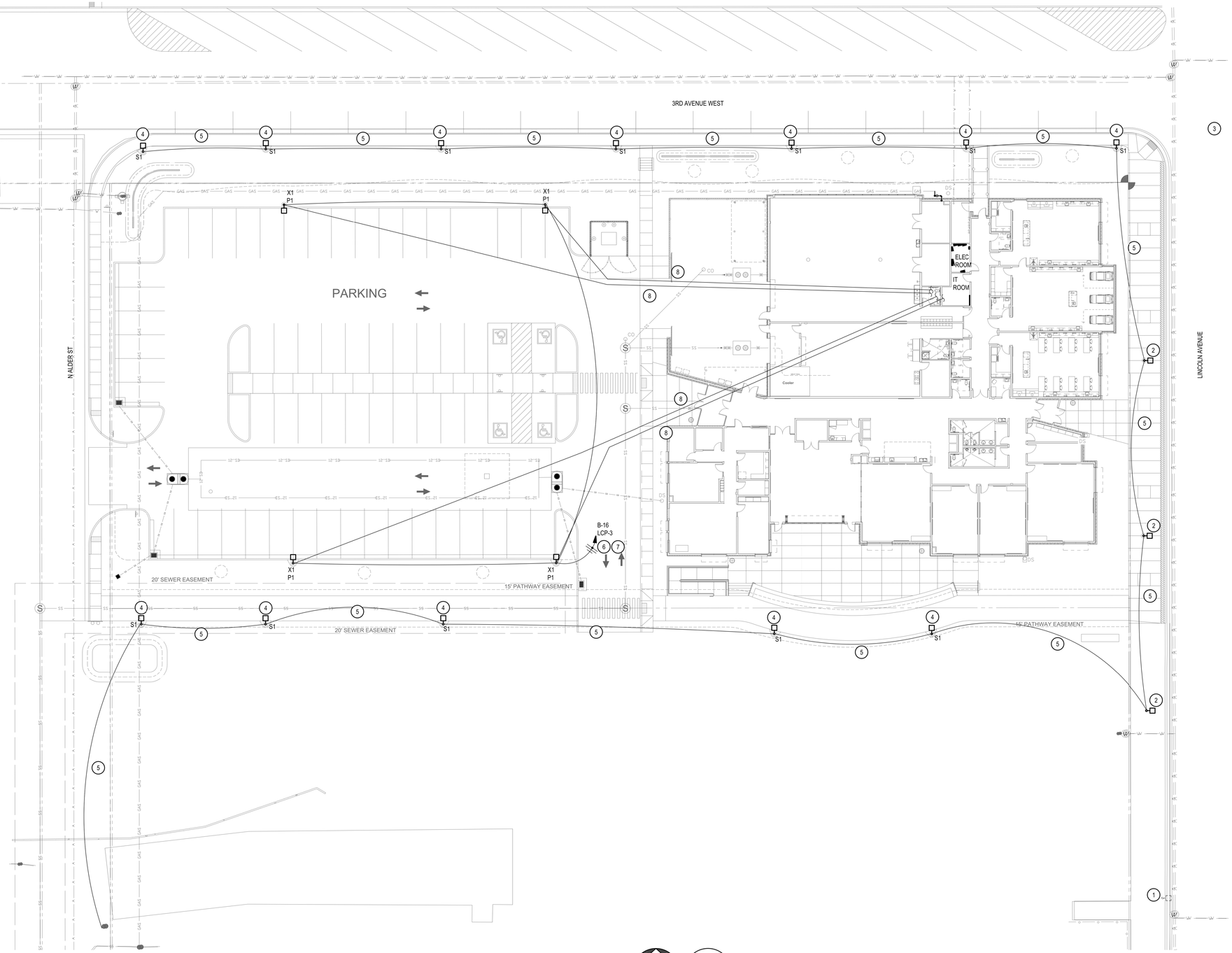
CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: CJ
CHECKED BY: MB

BID SET

DRAWING NO.:
E8.0
LIGHTING DETAILS



1 SITE LIGHTING PLAN
SCALE: 1" = 20'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING LIGHTING POLE TO REMAIN.
2. EXISTING RELOCATED CITY STREET LIGHT BY CITY OF JEROME.
3. EXISTING OVERHEAD LIGHTING POWER LINE TO BE REMOVED BY CITY OF JEROME.
4. CITY STREET LIGHT, PROVIDED AND INSTALLED BY CITY OF JEROME.
5. CITY STREET LIGHT POWER, 1"C 2#10, 1#10G 24" BELOW GRADE BY CITY OF JEROME.
6. STREET LIGHT POWER, 1"C 2#10, 1#10G 24" BELOW GRADE BY ELECTRICAL CONTRACTOR.
7. ELECTRICAL CONTRACTOR TO CONNECT LIGHTING CIRCUIT TO LCP IN ELECTRICAL ROOM, SEE SHEET E8.0 FOR DETAILS.
8. INSTALL 1"C 24" BELOW GRADE WITH OUTDOOR CAT6 CABLE FROM IT RACK CAMERA PATCH PANEL IN IT ROOM TO CAMERA JUNCTION BOX ON SITE LIGHT POLE.

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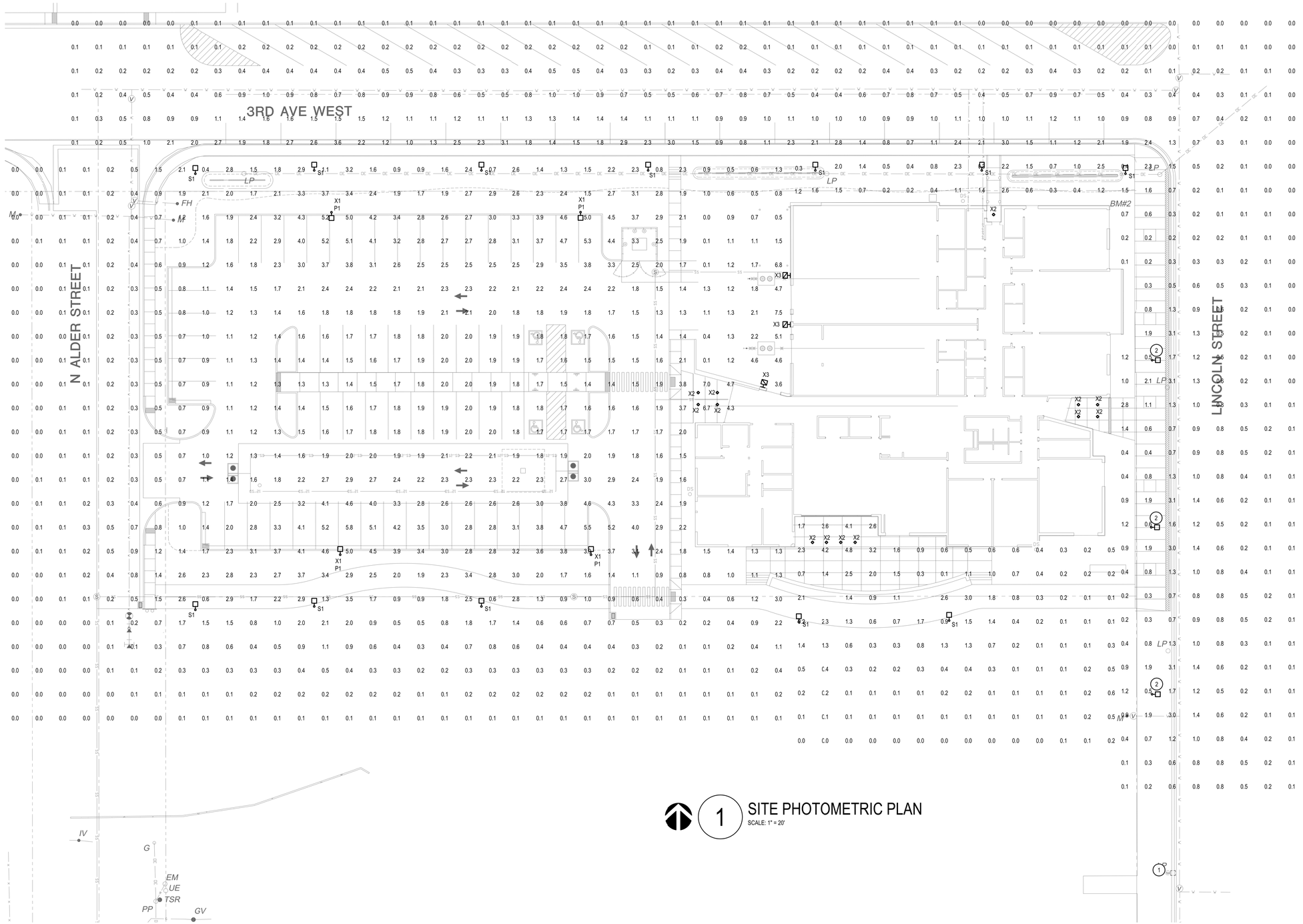
ES1.0
SITE LIGHTING PLAN



KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. EXISTING LIGHTING POLE TO REMAIN.
2. EXISTING RELOCATED LIGHTING POLE.

1 SITE PHOTOMETRIC PLAN
SCALE: 1" = 20'

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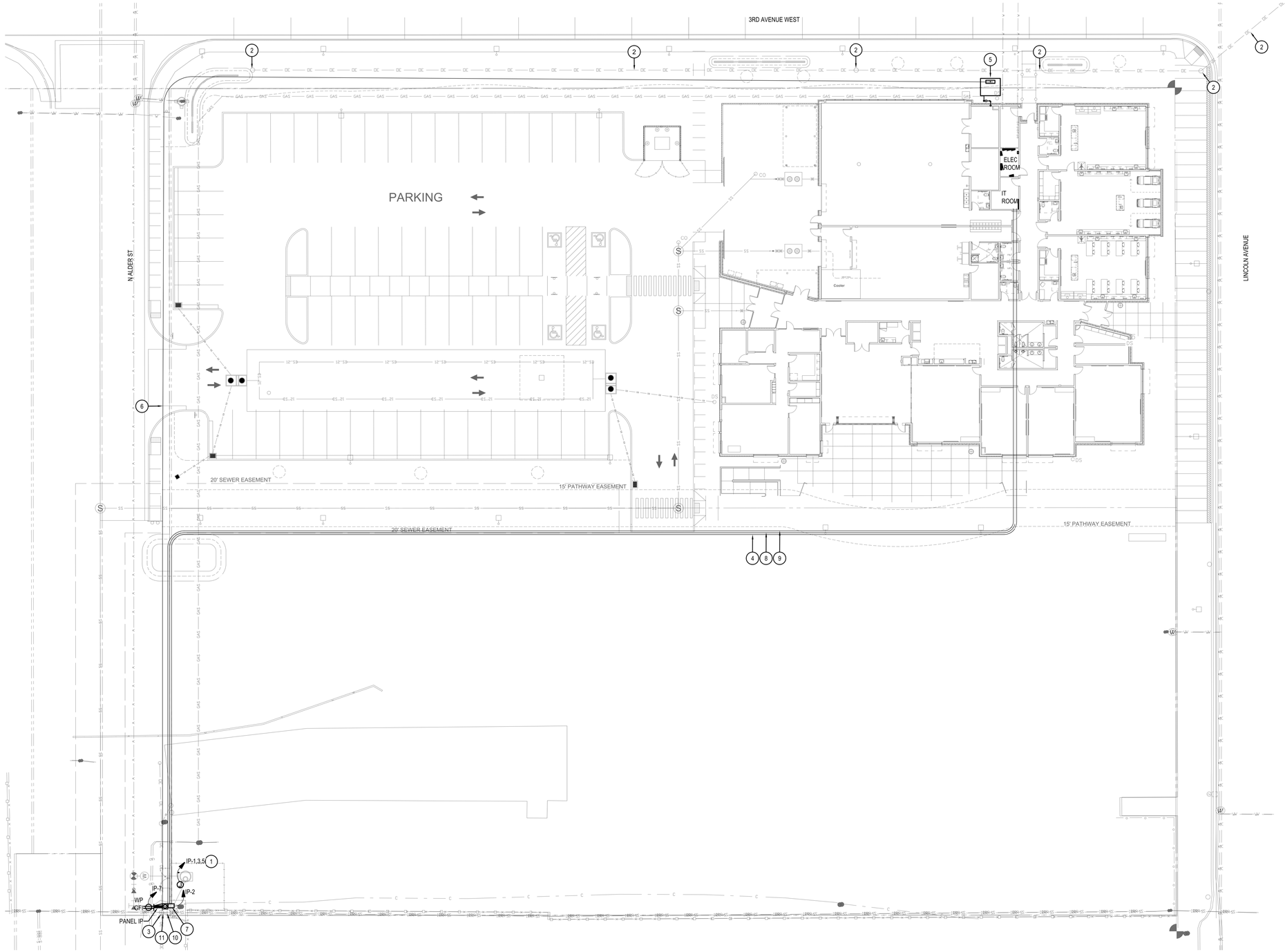
SITE PHOTOMETRIC PLAN



1 SITE ELECTRICAL PLAN
SCALE: 1" = 20'

KEYED NOTES:

(#) SYMBOL USED FOR NOTE CALLOUT.

1. POWER FOR IRRIGATION, 1"C 3#6, 1#10G 24" BELOW GRADE TO PANEL AS SHOWN.
2. EXISTING OVER HEAD LIGHTING AND BRANCH CIRCUIT CONDUCTOR TO BE REMOVED BY IDAHO POWER, CONTACT CITY OF JEROME TO OPEN WORK REQUEST WITH IDAHO POWER FOR REMOVAL OF LIGHTS, CONDUCTORS, AND POLES.
3. EXISTING POLE MOUNTED THREE PHASE TRANSFORMER BANK TO REMAIN. IDAHO POWER TO INSTALL NEW 3 PHASE RISER CONDUIT AND CONDUCTORS TO NEW PANEL IP.
4. 1"C 24" BELOW GRADE WITH 6 STRAND SINGLE MODE OUTDOOR PLANT FIBER OPTIC CABLE. FROM IT RACK TO BASE STATION IRRIGATION CONTROLLER PEDESTAL. PROVIDE AND INSTALL FIBER MEDIA CONVERTER LC SINGLE MODE TO RJ45 CAT 6 ON BOTH ENDS FIBER OPTIC CABLE FOR NETWORK CONNECTION TO BASE STATION IRRIGATION CONTROLLER.
5. 3 PHASE 208/120 VOLT 3 PHASE TRANSFORMER AND PAD INSTALLED BY IDAHO POWER COMPANY. ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH IDAHO POWER COMPANY.
6. 4"C 48" BELOW GRADE WITH PRIMARY POWER CONDUCTOR INSTALLED BY IDAHO POWER COMPANY. ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH IDAHO POWER COMPANY.
7. IRRIGATION CONTROLLER, SEE CIVIL / LANDSCAPE DRAWINGS FOR DETAILS.
8. 2"C FOR LUMEN COMMUNICATIONS 24" BELOW GRADE MINIMUM. STUB INTO COMMUNICATIONS PEDESTAL.
9. 2"C FOR SPARKLIGHT COMMUNICATIONS 24" BELOW GRADE MINIMUM. RISER UP POWER POLE 20 FEET ON 8" STANDOFFS.
10. EXISTING LUMEN COMMUNICATIONS PEDESTAL TO REMAIN.
11. POWER POLE WITH EXISTING SPARKLIGHT SERVICE. ELECTRICAL CONTRACTOR SHALL RISER RISER UP POWER POLE 20 FEET ON 8" STANDOFFS.

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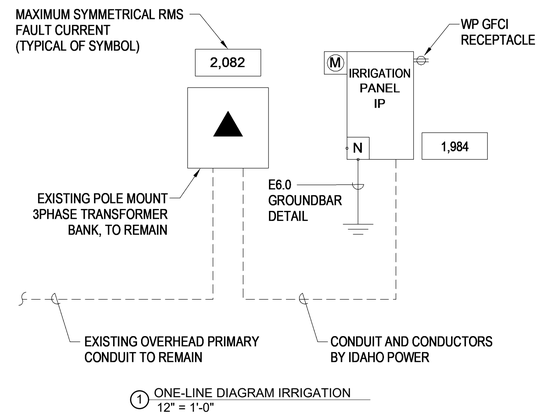
BID SET

DRAWING NO.:

ES2.0
SITE ELECTRICAL PLAN



1 ONE-LINE DIAGRAM IRRIGATION
12" = 1'-0"

Branch Panel: IP

Location: PUMP HOUSE
Supply From: TRANSFORMER
Mounting: Surface
Enclosure: Type 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: SEE ONE LINE
Mains Type: CB
Mains Rating: 100 A

Notes:

CKT	Circuit Description	CKT Note	Trip	Poles	A		B		C		Poles	Trip	CKT Note	Circuit Description	CKT
1	IRRIGATION PUMP		50 A	3	2431 VA	180 VA					1	20 A		RECEPTACLE	2
3	--	--	--	--			2431 VA	--			1	--		BLANK	4
5	--	--	--	--					2431 VA	--	1	--		BLANK	6
7	IRRIGATION CONTROLLER		20 A	1	180 VA	--					1	--		BLANK	8
9	SPARE		20 A	1			0 VA	--			1	--		BLANK	10
11	SPARE		20 A	1					0 VA	--	1	--		BLANK	12
13	SPARE		20 A	1	0 VA	--					1	--		BLANK	14
15	SPARE		20 A	1			0 VA	--			1	--		BLANK	16
17	SPARE		20 A	1					0 VA	--	1	--		BLANK	18
			Total Load:		2791 VA		2431 VA		2431 VA						
			Total Amps:		23 A		20 A		20 A						

Legend:

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LKV PROJECT #: 2219

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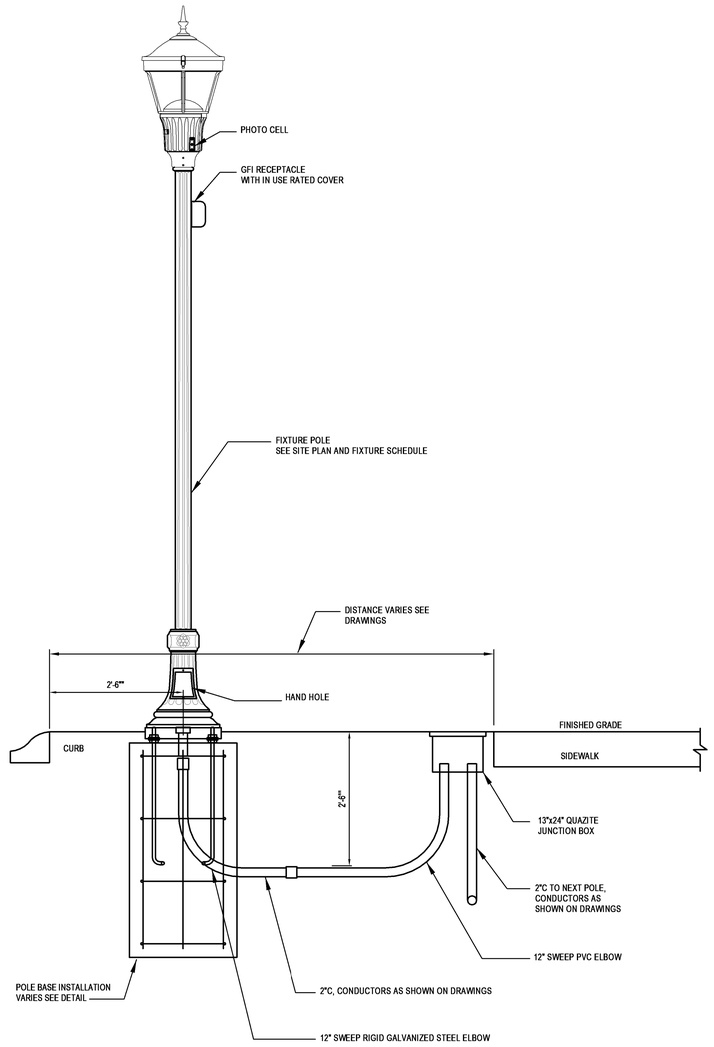
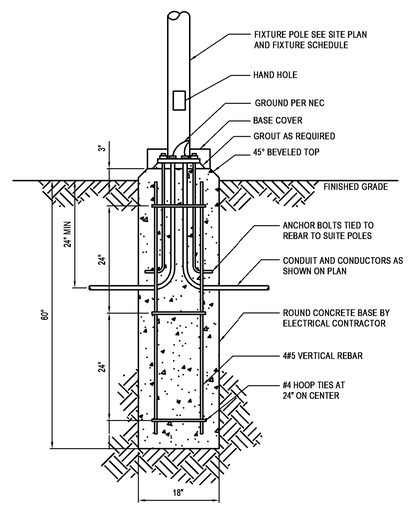
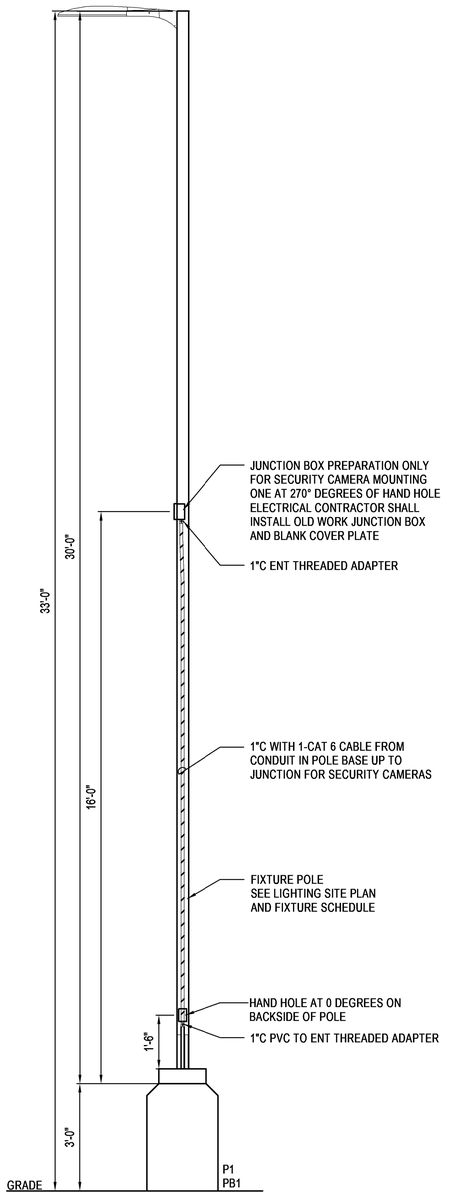
ES2.1
SITE ELECTRICAL DETAILS



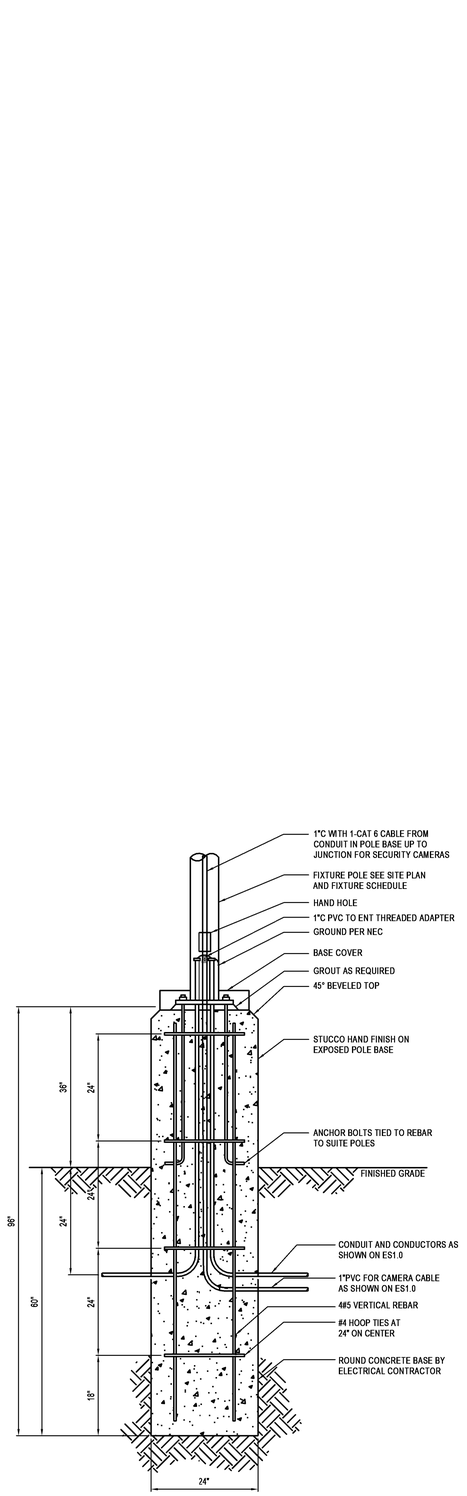
1 SITE POLE DETAIL CITY
3/4" = 1'-0"



2 SITE POLE BASE DETAIL CITY
3/4" = 1'-0"



3 SITE POLE DETAIL
1/2" = 1'-0"



4 SITE POLE BASE DETAIL
3/4" = 1'-0"

LKV
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#	Revisions Description	Date

CSI - LeRoy Craig Jerome Center
College of Southern Idaho
Jerome, Idaho

DATE: 10/28/24
LKV PROJECT #: 2219

DRAWN BY: CJ
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ES3.0
SITE ELECTRICAL DETAILS