



1 FOUNDATION AND SLAB ON GRADE PLAN
1/8" = 1'-0"

KEYNOTE LEGEND

- EXISTING PRECAST DOUBLE TEE WALLS
- EXISTING CONC FOUNDATION
- EXISTING CONC EQUIPMENT PAD
- EXISTING CONC COLUMN/PIER
- 36" CONC MAT FOUNDATION W/ #8 TOP BARS @ 12" OC EA WAY, AND #7 BOTTOM BARS @ 12" OC EA WAY (2 LAYERS) ON WELL COMPACTED STRUCTURAL FILL. ADDITIONAL REINF REQD AS SHOWN.
- CONC PIER, SEE S1.02 FOR PIER AND BASE PLATE DESIGNATION
- 30" CONC EQUIP PAD, REINF W/ #6 @ 12" OC T&B AND (2) #4 SIDE BARS AT PERIMETER, SEE DET 5/S3.02
- CONC SUMP PIT W/ 2" X 3/16" W-19.4 GALV METAL BAR GRATING, T/GRG EL = 107'-0"
- GIRT-PANEL WALL SYSTEM W/ 3" INSULATED METAL WALL PANELS (METL-SPAN, LS-36 INSULATED ROOF AND WALL PANELS, FM APPROVAL STANDARD FM 4881) AND 8" WALL GIRTS ON CONT CONC CURB. SEE ELEVATIONS FOR SIZE AND SPACING
- 8" CMU BLOCK REINF W/ #5 VERT @ 24" OC IN GROUT FILLED CELLS AND #5 VERT AT ALL WALL CORNERS, TERMINATIONS, DOOR JAMBS, AND INTERSECTIONS. PROVIDE BOND BEAM (BB-1) AT EACH FLOOR. SEE SHEET S6.01 FOR CMU DETAILS AND SECTIONS.
- 8" CMU BLOCK PARTITION REINF W/ #5 VERT @ 48" OC IN GROUT FILLED CELLS AND #5 VERT AT ALL WALL CORNERS, TERMINATIONS, DOOR JAMBS, AND INTERSECTIONS. SEE SHEET S6.01 FOR CMU DETAILS AND SECTIONS.
- STEEL-METAL PAN STAIR ASSEMBLY. SEE STAIR DIAGRAMS AND DETAILS ON SHEETS S5.11 AND S5.12.
- DOOR 101, SEE DET 1/S7.03
- DOOR 102, SEE DET 1/S7.03
- STEEL WT VERTICAL BRACE UP, SEE FRAMING ELEVATIONS ON SHEET S4.01
- SW1 INDICATES 12" CMU SHEAR WALL REINF W/ #7 @ 8" OC AT ALL CORNERS, TERMINATIONS, DOOR JAMBS, AND INTERSECTIONS. PROVIDE TIE BEAM AT EACH FLOOR (TB-1). SEE SHEET S6.01 FOR CMU DETAILS AND SECTIONS.
- TRENCH DRAIN, SEE DET 4/S3.02. T/GRG EL = 106'-9"
- 6" CONC DOOR LANDING W/ #4 @ 12" OC AT MID DEPTH OF SLAB
- DEMO EXISTING SLAB AS REQUIRED TO INSTALL NEW SHALLOW FOUNDATIONS AND PILE CAPS FOR PIPE RACK
- DEMO EXISTING W18 BEAM AND PLATE AS REQUIRED TO INSTALL NEW CONC FDN. REINSTALL DEMO BEAM IN KIND AND MODIFY FLOOR PLATE AS REQUIRED TO ALLOW INSTALLATION OF NEW COLUMN.

GENERAL NOTES

- REFER TO SHEET S0.01 THROUGH S0.04 FOR GENERAL NOTES AND STRUCTURAL SPECIFICATIONS
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATE W/ EXISTING CONDITIONS. STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- ALL STRUCTURAL STEEL INCLUDING FRAMING MEMBERS, CONNECTION MEMBERS, HARDWARE, BASE PLATES, AND ANCHOR BOLTS TO BE HOT DIP GALVANIZED.
- CONTRACTOR SHALL COORDINATE DIMENSIONS W/ MECHANICAL DRAWINGS AND EXISTING CONDITIONS. STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- FX-X INDICATES ISOLATED FOUNDATION DESIGNATION. SEE DET 8/S3.01
- PC-X INDICATES PILE CAP. SEE DET 1/S3.03
- REFER TO DET 10/S5.01 FOR BASE PLATE DETAILS.
- REFER TO DET 10/S3.01 FOR PIER DETAILS
- SEE SHEET S.102 FOR PIER, BASE PLATE, AND COLUMN DESIGNATION AND REQUIREMENTS.

UNFACTORED COLUMN REACTIONS AT PILE CAP ARE AS FOLLOWS:

DEAD LOAD:	17.9 KIPS
LIVE LOAD:	27.8 KIPS
WIND LOAD VERT:	20.1 KIPS (ULT)
WIND LOAD LAT:	3.0 KIPS (ULT)

STRUCTURAL ELEVATIONS

- T/FDN EL 105' - 0", UNO
- T/SLAB HP EL 107' - 0", SLOPE TO DRAINS (-3")
- T/PIER EL = 108' - 0", UNO (SEE SHEET S1.02)

F	2025.07.21	DV	ADDENDUM 2		
E	2025.07.02	DV	ADDENDUM 1		
D	2025.06.25	DV	PIPE RACK CHANGES		
C	2025.06.20	DV	OWNER COMMENTS		
B	2025.04.25	DV	ISSUED FOR BID		
A	2025.04.11	DV	ISSUED FOR APPROVAL (70% CHECKSET)		
No.	Date	By	Revision	Ad. No.	

**PRELIMINARY
NOT FOR
CONSTRUCTION
21 JULY 2025**

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Title: AMALGAMATED SUGAR COMPANY EVAPORATOR PROJECT
FOUNDATION AND SLAB ON GRADE PLAN



AMALGAMATED SUGAR COMPANY
2320 ORCHARD DRIVE EAST
TWIN FALLS, ID 83301

Date: 07/01/2025
Chkd By: S. WILSON
Dsgn By: D. VIELE

Project: E24140
Dwg: S1.01

Dwg Size:
24X36

Revision:
A