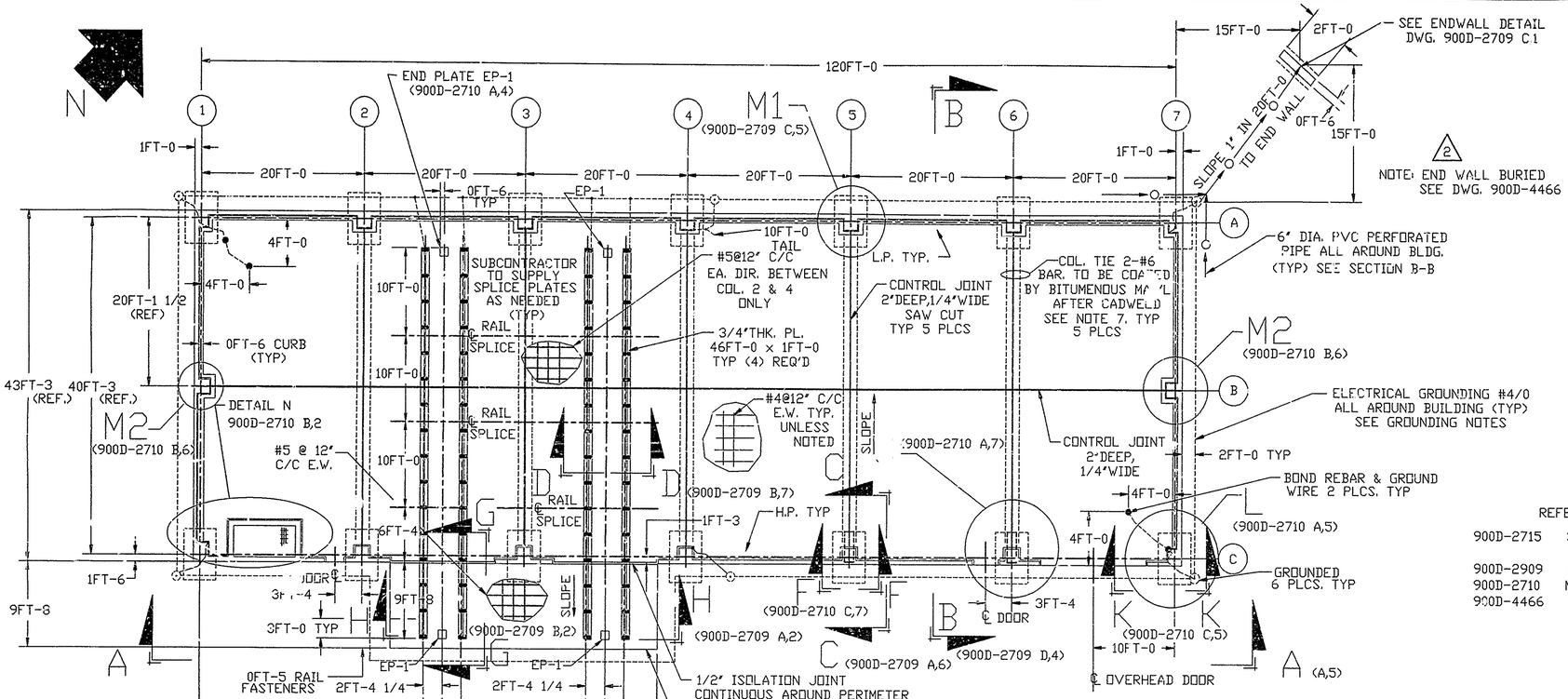
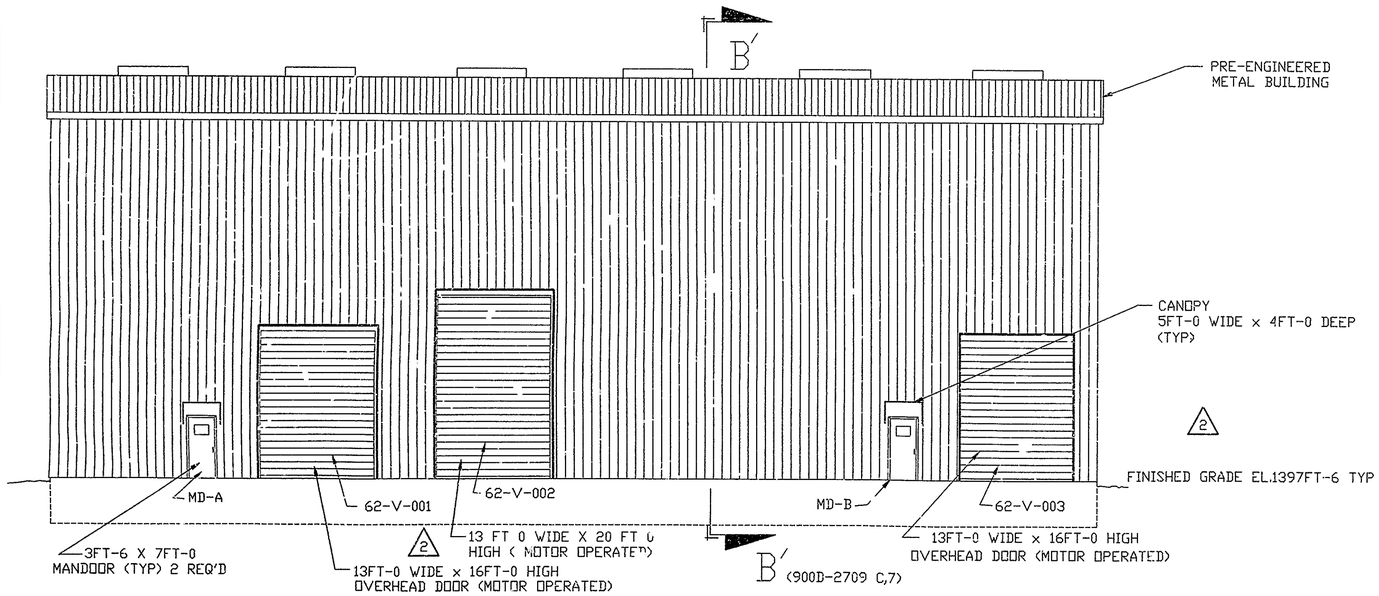
VERIFY ALL DOCUMENTS FOR CURRENT REVISION AND PENDING CHANGES PRIOR TO EACH USE.
INIT_____ DATE_____

DWG NO 900D-2708 SH



PLAN @ EL. 1398FT-0 (NOM.)
8" CONCRETE FLOOR ON GRADE
REINFORCING- #4 @ 12" C/C
ADDITIONAL REINFORCING AS SHOWN
H.P. EL. 1398FT-0
L.P. EL. 1397-10 (-2")



VIEW A-A

NOTE: PLANT ELEVATION 100 FT 0 = USGS 1415.21'

GENERAL NOTES:

1.) FOR SPECIFICATIONS SEE WVNS-CS-187.
2.) FOR LOCATION SEE SURVEY DWG. 900D-2715.
3.) DO NOT SCALE THIS DRAWING.
4.) ALL CONCRETE FLOOR SURFACES TO BE TROWEL FINISH.
5.) CAST-IN-PLACE CONCRETE SHALL BE PLACED CONTINUOUSLY WITH NO COLD JOINTS. CONCRETE SHALL BE ADEQUATELY VIBRATED TO PREVENT AIR VOIDS AND HONEYCOMB AFFECTS.
6.) PROVIDE 3/4" CHAMFER ON ALL EDGES OF RAMP,PAD,& PERIMETER OF CONC. CURB BOTH EDGES.
7.) THE #6 PIER TIES SHALL BE SPLICED USING CADWELD SYSTEM. A CADWELD SPECIFICATION MUST BE SUBMITTED TO WVNS FOR APPROVAL.
8.) ALL GROUT SHALL BE NON-SHRINK EPOXY TYPE.
9.) ALL ANCHOR BOLTS ARE TO BE ASTM-A307 UNLESS OTHERWISE SPECIFIED.
10.) SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE FABRICATION AND CONSTRUCTION.
11.) PIERS AND GRADE BEAMS ARE TO BE PLACED MONOLITHICALLY.
12.) LAP SPLICE LENGTH SHALL BE CLASS "B" AS PER ACI 318, UNLESS OTHERWISE NOTED. MIN. LENGTH OF SPLICE SHALL BE AS SHOWN BELOW.
#3 BARS - 12" #4 BARS - 16"
#5 BARS - 20" #6 BARS - 24"
MIN. LENGTH OF STD. 90 DEGREE END HOOK SHALL BE 12 DIA'S. UNLESS OTHERWISE NOTED.
13.) MINIMUM CLEARANCE FOR REINFORCEMENT IS 2" UNLESS OTHERWISE NOTED.
14.) DESIGN LOADS:
FLOOR SLAB ON GRADE - 400 PSF
MAX. POST LOAD ON FLOOR - 7.5 KIP @ 8FT-0 C/C.
MIN. BASE PLATE SIZE 8"x8".
ALLOWABLE SOIL BEARING PRESSURE - 10 KSF

REFERENCE DRAWINGS:

900D-2715	SURVEY OF SITE FOR MELTER DISASSEMBLY BUILDING
900D-2909	MDB SECTIONS & DETAILS
900D-2710	MDB SECTIONS & DETAILS
900D-4466	VTF ADDITION

GROUNDING REQUIREMENT NOTES:

1.) ALL GROUND WIRE SHALL BE #4/0 BARE COPPER WIRE. GROUND RODS SHALL BE 5/8" DIA. COPPER CLAD, 8FT-0 MIN. LENGTH.
2.) BOND SLAB REBAR AT TWO PLACES APPROXIMATELY FOUR FEET FROM EACH CORNER COLUMN AND ATTACH GROUND WIRE AT 1FT-0 ABOVE BASE PLATE. MECHANICAL TYPE CONNECTORS TO THE REBAR IN CONCRETE IS ALLOWED.
3.) WHERE GROUND CABLE PENETRATES MASONRY SURFACES, THE CABLE SHALL EMERGE AT RIGHT ANGLES TO THE CONCRETE WHEREVER POSSIBLE.
4.) ALL CONNECTIONS TO THE DIRECT BURIED GROUND SYSTEM SHALL BE MADE USING STANDARD EXOTHERMIC EQUIPMENT. MOLDS SHALL BE UNWORN AND OF PROPER SIZE AND TYPE FOR THE CONNECTION. FRESH CHARGES SHALL BE UTILIZED AT ALL TIMES AND FULL WELDS SHALL BE EVIDENCED TO PROVIDE LOW RESISTANCE CONNECTION. AFTER THE MOLDS AND CLAMPS HAVE BEEN REMOVED, THE WELD MATERIAL SHALL BE TAPPED WITH A BLUNT TOOL SUCH AS A HAMMER TO INSURE A SATISFACTORY CONNECTION. MOLDS SHALL BE INSPECTED WITH EACH USE TO SEE THAT THEY ARE IN SATISFACTORY CONDITION FOR RE-USE, AND SHALL BE DISCARDED IF FOUND TO BE WORN OUT OR OTHERWISE FAULTY.
5.) SCRAPE ALL CONTACT SURFACES TO BRIGHT METAL AND APPLY NON-OXIDE GRADE-A GREASE OR ENGINEER APPROVED EQUAL BEFORE ATTACHING THE BOLTED TYPE GROUNDING LUGS.
6.) DIRECT BURIED GROUND CABLE CROSSING OTHER METALLIC STRUCTURES SUCH AS CONDUIT, PIPELINES, ETC, SHALL BE A MINIMUM OF 1FT-0 FROM SUCH STRUCTURES, EXCEPT WHEN EMBEDDED IN CONCRETE, IN WHICH CASE THE MINIMUM DISTANCE SHALL BE 1 INCH.
7.) DAMAGED GROUNDING CABLE SHALL BE REPAIRED BY USING THE APPROPRIATE EXOTHERMIC CONNECTION OR BY BRAZING.

MATERIAL SPECIFICATIONS:

1.) CONCRETE F'C=4000PSI @ 28 DAYS AND MAXIMUN SLUMP OF 2 TO 4 INCHES +/- 1/2 INCH.
2.) AIR ENTRAINING AGENT SHALL CONFORM TO ASTM C-260 TO PRODUCE CONCRETE W/4.0% AIR +/- 1 1/2% BY VOLUME.
3.) CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33. MAX COARSE AGGREGATE SIZE SHALL BE 1 1/2".
4.) ALL REINFORCING BARS TO BE DEFORMED TYPE AND SHALL CONFORM TO ASTM A-615 INCLUDING SUPPLIMENT REQUIREMENT. S1, W/MINIMUM YIELD STRENGTH Fy=60,000PSI.
5.) JOINTS: ISOLATION JOINT FILLER MATERIAL SHALL BE FIBRE (AS MANUFACTURED BY W.R.MEADOWS OR EQUAL). SEALANT MATERIAL SHALL BE SEALTIGHT #164 AS MANUFACTURED BY W.R. MEADOWES OR EQUAL.
CONTROL JOINT:- ETHAFORM BACKER ROD W/SEALTIGHT #164 (AS MANUFACTURED BY DOW CHEM. OR EQUAL).
6.) ALL EMBEDED STRUCTURAL STEEL TO BE ASTM A-36.
7.) GRATING TO BE HOT DIPPED GALV. STEEL WITH 1"x 3/16" BEARING BARS SPCD. AT 1 3/16" C/C.
8.) COAT FLOOR, CURBS AND PIT WITH 2 COATS OF CARBOLINE 1340 CLEAR OR EQ. PER MANUFACTURERS REQUIREMENTS.

WORK THIS DRAWING WITH DRAWINGS; 900D-2709, & 900D-2710.

REV	DESCRIPTION	APV'D
0	ISR 1635 6/28/89	JRH
1	REV. PER ECN 3047 11/13/89	PMM MCS
2	REV. PER ECN 4440 BP 08/28/91	

THIS REVISION RELEASED FOR INFORMATION ONLY
P.R.# 59434 6-21-93

QTY REQD	ITEM NO.	NOMENCLATURE OR DESCRIPTION	PART OR IDENTIFYING NO.	MATERIAL OR SPEC

PARTS LIST

UNLESS OTHERWISE SPECIFIED
TOLERANCES-DO NOT SCALE
2 PL DEC ± 3 PL DEC ± ANGLES ± AA
FRACTIONS ±
D SPEC.NO. 1493
NEXT ASSEMBLY 900D-2709 900D-2710

DRAFTER C.GERWITZ	DATE 5-5-89	A/E CONTRACT NO. / CODE IDENT. NO.
CHECKER KEVIN QUEALY	DATE 6-20-89	FOR
ENGR. K.K.GUPTA	DATE 6-20-89	West Valley Nuclear Services Co.Inc. West Valley, New York
M.SUCHAK	6-20-89	MELTER DISASSEMBLY BUILDING FOUNDATION PLAN & ELEV.
COG.MGR.APPVL C.J.WINKLER	DATE 6-20-89	
E&DS APPVL N/A	DATE	
Q.A.APPVL N/A	DATE	
DFTG.SUPR. JOHN HORTON	DATE 6-20-89	

DWG SIZE D | SCALE 1/8"=1FT-0 | WEIGHT | DWG NO. 900D-2708 | REV 2
A/E DWG NO. | SHEET 1 OF 1
PLOT: 1:96

CAD DRAWING-DO NOT REVISE THIS ORIGINAL