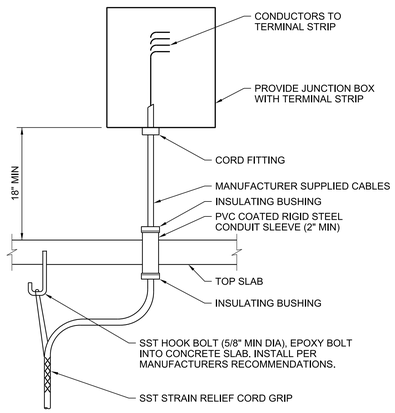
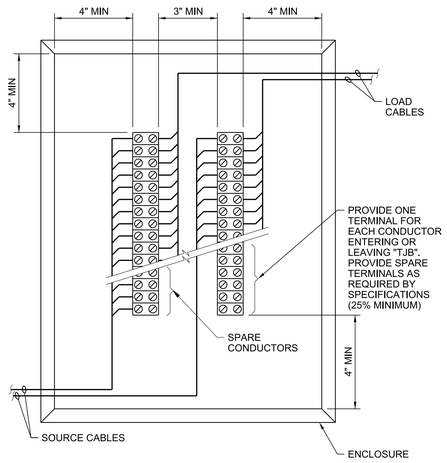


NOTES:
1. ALL HARDWARE SHALL BE STAINLESS STEEL.
2. THIS DETAIL SHALL BE USED FOR TERMINATION OF ALL MANUFACTURER SUPPLIED CABLES (MSC) EXITING A WET WELL IF NO OTHER DETAIL IS CALLED OUT ON THE DRAWINGS.
3. FILL CONDUIT SLEEVE WITH EXPANDABLE SEALING COMPOUND.

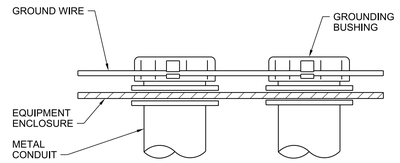
MSC CABLE TERMINATION
NTS

2605-101



TERMINAL JUNCTION BOX (TJB)
NTS

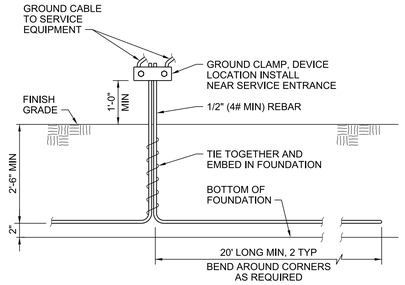
2605-102



NOTES:
1. THE ENDS OF ALL CONDUITS REQUIRED TO BE GROUNDED BY THE SPECIFICATIONS SHALL BE GROUNDED IN ACCORDANCE WITH THIS DETAIL.

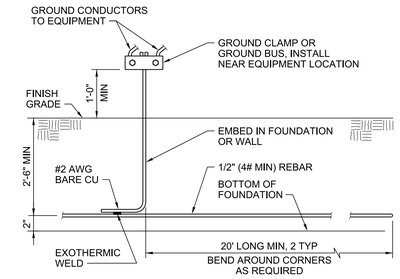
CONDUIT GROUNDING
NTS

2605-203



GROUND ELECTRODE
NTS

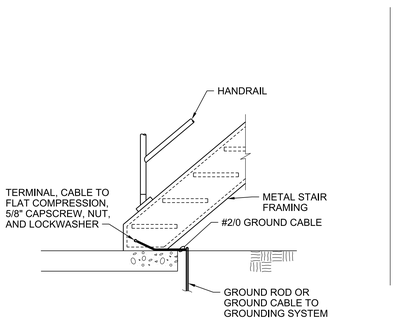
2605-205



NOTES:
1. WHERE MULTIPLE INSTRUMENT SURGE SUPPRESSOR GROUNDS MUST BE CONNECTED IN ONE LOCATION, INSTALL A GROUND BUS.

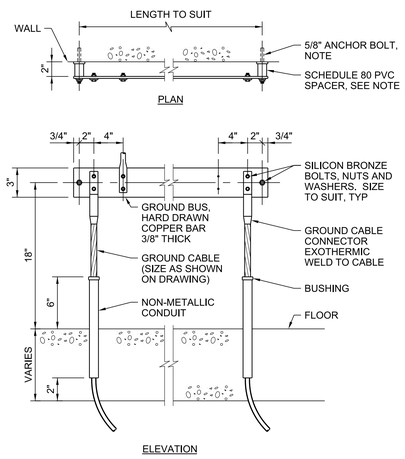
GROUND ELECTRODE
NTS

2605-206



GROUNDING, GENERAL STAIRWAY
NTS

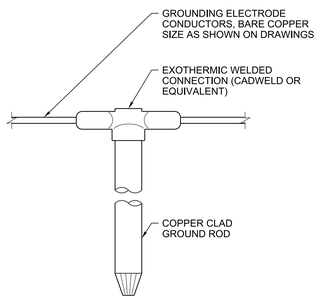
2605-207



NOTES:
1. MAXIMUM SPAN BETWEEN SUPPORTS NOT TO EXCEED 24".

GROUND BUS
NTS

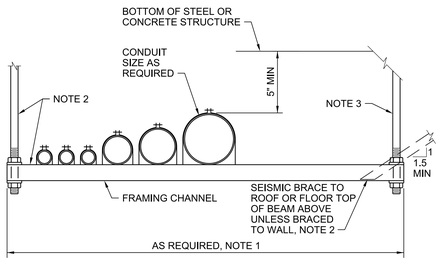
2605-208



NOTES:
1. TOP OF GROUND ROD SHALL BE 6" MIN BELOW GRADE.
2. CONNECTIONS TO GROUNDING ELECTRODE CONDUCTORS SHALL BE CADWELD OR EQUIVALENT.

GROUND ROD CONNECTION
NTS

2605-235

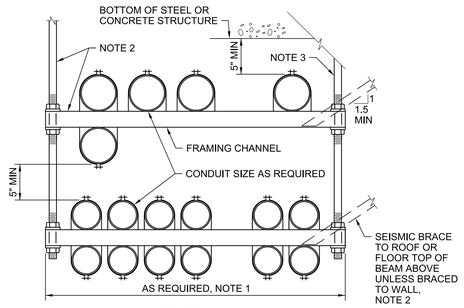


SINGLE RACK

NOTES:
1. LENGTH VARIES WITH NUMBER OF CONDUITS TO BE SUPPORTED AND SPACING BETWEEN CONDUITS.
2. DETERMINE SPAN AND TYPE OF SUPPORTS, LOCATE SUPPORTS, AND SIZE SUPPORT RODS, CONNECTIONS AND BRACES PER MANUFACTURER'S RECOMMENDATIONS AND SEISMIC REQUIREMENTS.
3. AT STEEL STRUCTURE, USE MALLEABLE BEAM CLAMP. AT CONCRETE STRUCTURE, USE UNIVERSAL CONCRETE INSERT, FRAMING CHANNEL WITH #4 x 3'-0" BELOW. TYPE AND SIZE AS REQUIRED BY TOTAL LOADS.
4. USE STAINLESS STEEL HARDWARE IN WET AND/OR CORROSIVE AREAS.
5. SPACE CONDUIT SUFFICIENTLY TO ALLOW REMOVAL OF ONE CONDUIT WITHOUT DISTURBING ADJACENT CONDUITS.

CONDUIT RACKING SYSTEM
NTS

2605-300



DOUBLE RACK

NOTES:
1. LENGTH VARIES WITH NUMBER OF CONDUITS TO BE SUPPORTED AND SPACING BETWEEN CONDUITS.
2. DETERMINE SPAN AND TYPE OF SUPPORTS, LOCATE SUPPORTS, AND SIZE SUPPORT RODS, CONNECTIONS AND BRACES PER MANUFACTURER'S RECOMMENDATIONS AND SEISMIC REQUIREMENTS.
3. AT STEEL STRUCTURE, USE MALLEABLE BEAM CLAMP. AT CONCRETE STRUCTURE, USE UNIVERSAL CONCRETE INSERT, FRAMING CHANNEL WITH #4 x 3'-0" BELOW. TYPE AND SIZE AS REQUIRED BY TOTAL LOADS.
4. USE STAINLESS STEEL HARDWARE IN WET AND/OR CORROSIVE AREAS.
5. SPACE CONDUIT SUFFICIENTLY TO ALLOW REMOVAL OF ONE CONDUIT WITHOUT DISTURBING ADJACENT CONDUITS.

CONDUIT RACKING SYSTEM
NTS

2605-301

THIS DRAWING IS LOANED FOR SOLE USE OF THE INTENDED RECIPIENT AND ONLY FOR THE LIMITED PURPOSES FOR WHICH IT WAS PROVIDED. USE BY OTHER ENTITIES OR FOR OTHER PURPOSES IS PROHIBITED AND AT THE USER'S OWN RISK. DRAWINGS ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING RECIPIENT.

PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE	PE	DATE	WE	AR	CV	ST	HV	EM	FP	PD	EE	IE	M	NP
	0	ISSUED FOR CONSTRUCTION	RM	BW	JL		LE	06/2017														

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE: JAMES KEITH LANDMAN, REGISTERED ENGINEER, AGENCY OF ENERGY, No. 119939, STATE OF TENNESSEE — 6-30-2017

REV.	DATE	DRAWING APPROVALS		DATE
		DRW	R MARKEN	06/16/17
		CHKR	B WILKINSON	06/16/17
		DE	J LANDMAN	06/16/17
		DVR		
		DM	L ELLIS	06/16/17
		PE	Teresa J. Pierce, P.E.	

UCOR URS | CH2M Oak Ridge LLC

OF200 Mercury Treatment Facility

Designed by URS|CH2M Oak Ridge LLC (UCOR) for the Department of Energy
Oak Ridge Office of Environmental Management
under U. S. Government contract DE-SC-0004645

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PROJECT NAME:
OF200 MERCURY TREATMENT FACILITY
ELECTRICAL
STANDARD DETAILS - SHEET 3 OF 10

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	E	Y	K	NC	FAC	AR	E	9410-02	X	U

SH.	OF	TYPE		PART	REV
10	3	DD	E941002-F-0071	000	0

662886

ISSUED FOR CONSTRUCTION