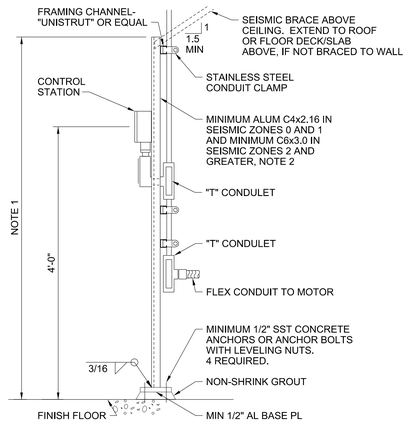
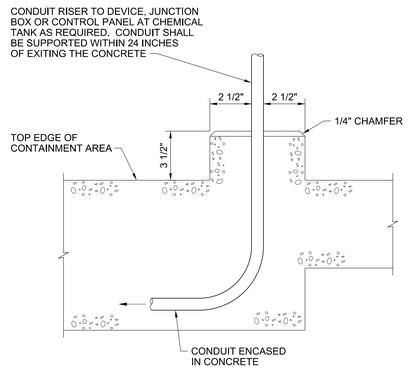


NOTES:
1. AS REQUIRED TO LIMIT UNSUPPORTED CONDUIT LENGTH TO MAXIMUM VALUES ALLOWED BY NEC, OR 10'-0" MAXIMUM. FOR LENGTHS EXCEEDING 6'-0", EXTEND TO STRUCTURE ABOVE. TOP CONNECTION TO ALLOW FOR 5/8" VERTICAL STRUCTURE DEFLECTION.
2. SIZE SUPPORT POST, TOP BRACE(S) AND CONNECTIONS FOR VERTICAL AND LATERAL LOADS. SEE GENERAL ELECTRICAL CONSTRUCTION NOTES ON DRAWINGS.

PEDESTAL MOUNTED DEVICE OVERHEAD FEED
NTS

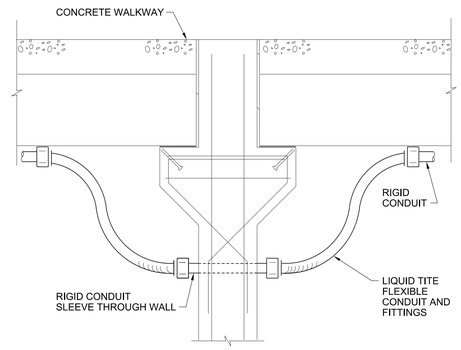
2605-311



NOTES:
1. CONDUIT INSTALLED INSIDE OF A CONTAINMENT AREA SHALL BE INSTALLED IN ACCORDANCE WITH THIS DETAIL. FOR TYPE OF CONDUIT TO BE INSTALLED, SEE SPECIFICATION.

CONDUIT IN CONTAINMENT AREA
NTS

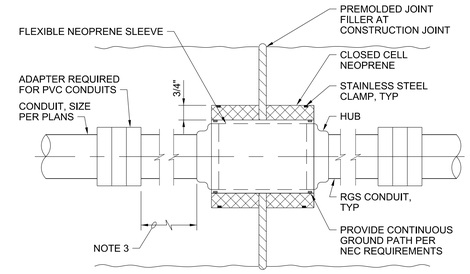
2605-313



SECTION

CONDUIT ALONG WALKWAY AT CORBEL SUPPORT
NTS

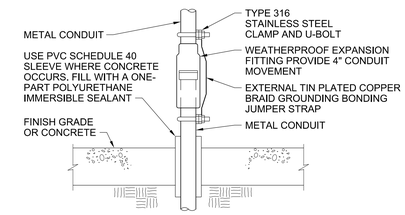
2605-314



NOTES:
1. DETAIL APPLIES TO CONDUIT EMBEDDED IN STRUCTURAL CONCRETE AT BUILDING INTERFACES AND AT STRUCTURAL EXPANSION JOINTS.
2. DETAIL APPLIES TO ALL EXPANSION JOINTS FOR THE UNDERGROUND CONCRETE ENCASED CONDUITS.
3. PVC CONDUIT INSTALLATIONS SHALL HAVE 18 INCHES MIN LENGTH OF RGS CONDUIT EACH SIDE OF FITTING.

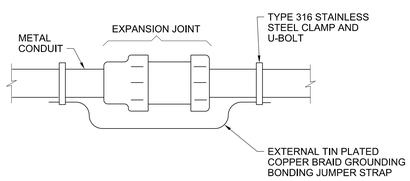
EXPANSION/DEFLECTION COUPLING
NTS

2605-315



EXPANSION FITTING FOR SOIL MOVEMENT
NTS

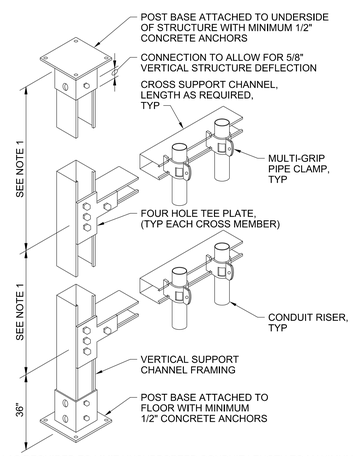
2605-316



NOTES:
1. COUPLINGS TO BE INSTALLED AT CONCRETE EXPANSION JOINTS OR 100' INTERVALS.

CONDUIT EXPANSION JOINT
NTS

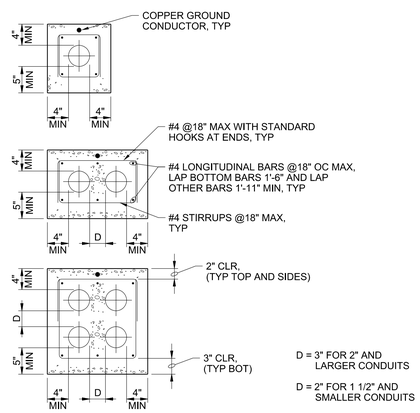
2605-317



NOTES:
1. LENGTH AS REQUIRED TO LIMIT UNSUPPORTED CONDUIT LENGTH TO MAXIMUM VALUES ALLOWED BY NEC.
2. SIZE SUPPORT POST, CROSS CHANNELS, AND CONNECTIONS FOR VERTICAL AND LATERAL LOADS, SEE GENERAL ELECTRICAL CONSTRUCTION NOTES ON DRAWING.

VERTICAL CONDUIT SUPPORT
NTS

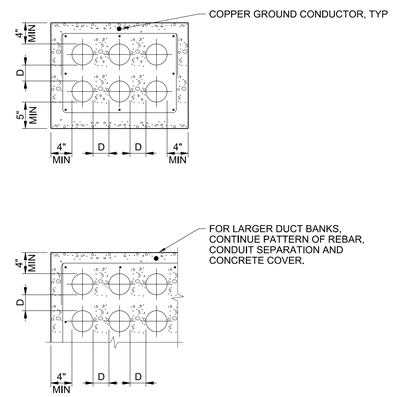
2605-318



NOTES:
1. PROVIDE 6" MINIMUM COMPACTED PIPE BEDDING MATERIAL UNDER ALL CONCRETE ENCASED DUCT RUNS.
2. FOR MINIMUM COVER REQUIREMENTS, SEE SPECIFICATION SECTION 26 05 33, PART 3.15.B (1000V AND BELOW: 24 INCHES TO TOP OF CONCRETE; OVER 1000V: 36 INCHES TO TOP OF CONCRETE)

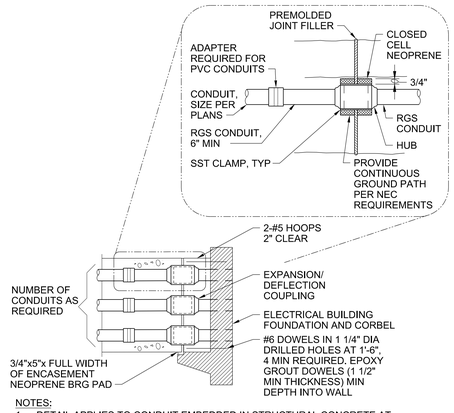
DUCT BANK
NTS

2605-400b



DUCT BANK
NTS

2605-400c



NOTES:
1. DETAIL APPLIES TO CONDUIT EMBEDDED IN STRUCTURAL CONCRETE AT BUILDING INTERFACES AND AT STRUCTURAL EXPANSION JOINTS.
2. DETAIL APPLIES TO ALL EXPANSION JOINTS FOR THE UNDERGROUND CONCRETE ENCASED CONDUITS.
3. DETAIL SHOWN IS ELEVATION SECTION.

CONCRETE ENCASED DUCT
NTS

2605-403

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
	0	ISSUED FOR CONSTRUCTION	RM	BW	JL		LE	06/2017

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK: WE AR CV ST HV EM FP PD EE IE M NP

RPE: JAMES KEITH LANDMAN, REGISTERED ENGINEER, No. 119028, STATE OF TENNESSEE — Teresa J. Pierce, P.E.

DRAWING APPROVALS		DATE
DRW	R MARKEN	06/13/17
CHKR	B WILKINSON	06/13/17
DE	J LANDMAN	06/13/17
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

Y-12 National Security Complex managed and operated by Consolidated Nuclear Security, LLC for the Department of Energy under U.S. Government contract DE-NA0001942 • Oak Ridge, Tennessee •

PROJECT NAME: OF200 MERCURY TREATMENT FACILITY
ELECTRICAL
STANDARD DETAILS - SHEET 5 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
5	10	DD	E941002-F-0073	000	0

662886

ISSUED FOR CONSTRUCTION

MercuryStation