



STANDARD DETAILS

BID SET

For the Construction of

MOORE WWTP IMPROVEMENT PROJECTS

MOORE, OKLAHOMA

Moore Bid Number: 2026-007

CWSRF Funding Number: ORF-26-0048-CW

Headworks Improvements
Garver Project No. 2302254

Digester, SBR, & UV/Effluent Pump Station
Building Improvements
Garver Project No. 2500545

Storm Pond Improvements
Garver Project No. 2501328

VOLUME 2

Prepared For:

City of Moore

February 2026



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REV	DATE	DESCRIPTION	BY
		STANDARD DETAILS INDEX 1	DIVISION D00
			SECTION - DETAIL NO. 0000-001



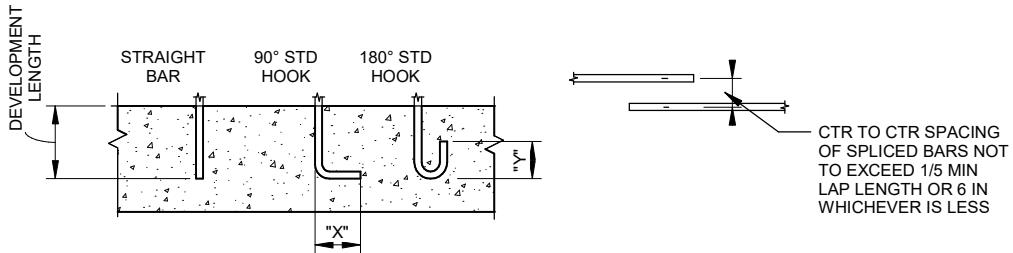
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

DETAIL NOT TO SCALE

DATE: 02/06/2026

FOR CLEARCOVER OF 2", F'c=4,000PSI, & GRADE 60 STEEL										
BAR SIZE	DIAMETER (db) (INCHES)	DEVELOPMENT LENGTH (ld) (INCHES)		CLASS A LAP SPLICING (INCHES)		CLASS B LAP SPLICING (INCHES)		90° STD HOOK "X" (INCHES)		180° STD HOOK "Y" (INCHES)
		"TOP" BARS	OTHER	"TOP" BARS	OTHER	"TOP" BARS	OTHER	HOOK	ldh	
REINFORCING BARS IN TENSION										
#3	0.375	12	9	12	9	15	12	6	7	6
#4	0.5	15	12	15	12	20	15	8	10	6
#5	0.625	19	15	19	15	24	19	10	12	6
#6	0.75	23	17	23	17	30	23	12	14	6
#7	0.875	33	25	33	25	42	33	14	17	7
#8	1.0	37	29	37	29	48	37	16	19	8
#9	1.128	46	36	46	36	60	46	20	22	11
#10	1.27	57	44	57	44	74	57	22	24	12
#11	1.41	68	53	68	53	90	68	24	27	13
REINFORCING BARS IN COMPRESSION										
#3	0.375	8			12					HOOKED BARS SHALL NOT BE USED IN COMPRESSION
#4	0.5	10			15					
#5	0.625	12			19					
#6	0.75	14			23					
#7	0.875	17			26					
#8	1.0	19			30					
#9	1.125	22			34					
#10	1.25	24			38					
#11	1.375	27			42					



NOTES:

- "TOP" BARS SHALL BE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.
- CLEAR SPACING OR BARS BEING DEVELOPED OR SPLICED SHALL:
 - NOT BE LESS THAN l_d , HAVE CLEAR COVER NOT LESS THAN d_b , AND STIRRUPS OR TIES THROUGHOUT l_d NOT LESS THAN THE CODE MINIMUM OR;
 - CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN $2d_b$ AND CLEAR COVER NOT LESS THAN d_b WHERE:
 - d_b = DIAMETER OF REINFORCING BAR
 - l_d = DEVELOPMENT LENGTH
- ALL LAP SPLICES SHALL BE CLASS B UNLESS NOTED OTHERWISE.



CITY OF MOORE
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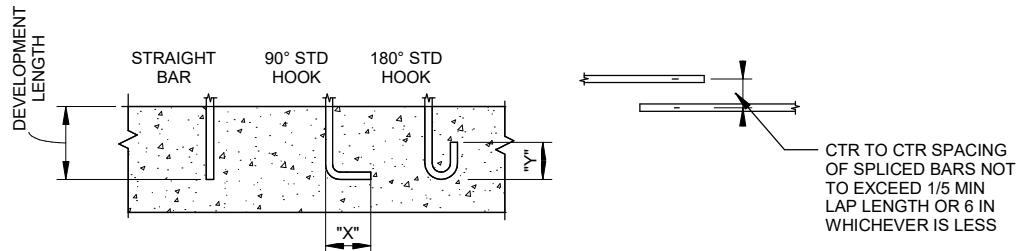
JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		STANDARD HOOK AND REINFORCING LAP SPLICING	DIVISION D03
			SECTION - DETAIL NO. 3000-100C

DETAIL NOT TO SCALE

DATE: 02/06/2026

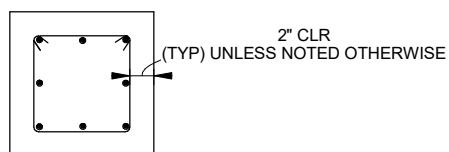
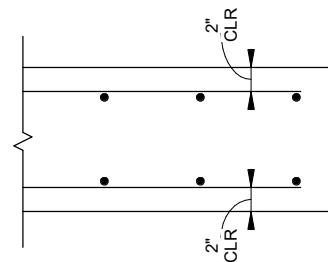
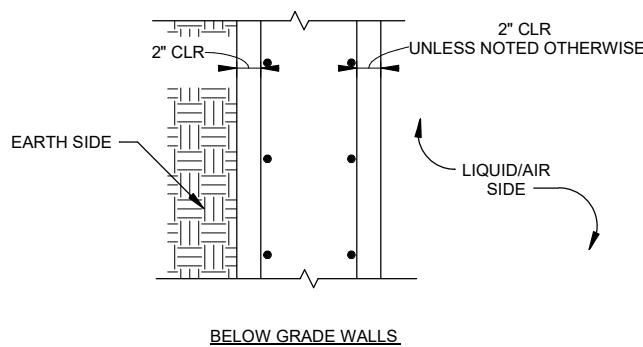
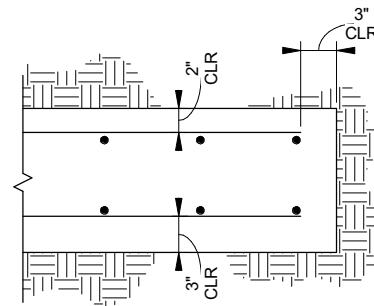
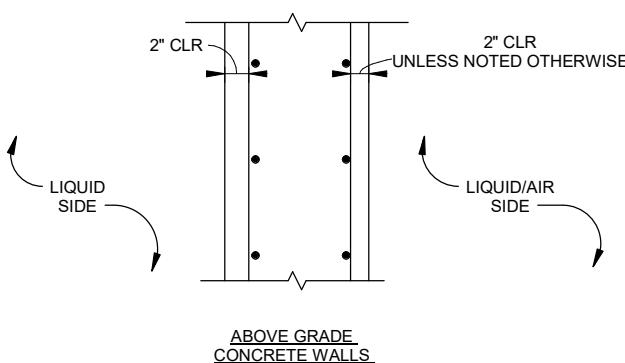
FOR CLEARCOVER OF 3", F'c=4,000PSI, & GRADE 60 STEEL										
BAR SIZE	DIAMETER (db) (INCHES)	DEVELOPMENT LENGTH (l_d) (INCHES)		CLASS A LAP SPLICING (INCHES)		CLASS B LAP SPLICING (INCHES)		90° STD HOOK "X" (INCHES)		180° STD HOOK "Y" (INCHES)
		"TOP" BARS	OTHER	"TOP" BARS	OTHER	"TOP" BARS	OTHER	HOOK	l_dh	
REINFORCING BARS IN TENSION										
#3	0.375	12	9	12	9	15	12	6	7	6
#4	0.5	15	12	15	12	20	15	8	10	6
#5	0.625	19	15	19	15	24	19	10	12	6
#6	0.75	23	17	23	17	30	23	12	14	6
#7	0.875	33	25	33	25	42	33	14	17	7
#8	1.0	37	29	37	29	48	37	16	19	8
#9	1.128	42	32	42	32	54	42	20	22	11
#10	1.27	47	36	47	36	62	48	22	24	12
#11	1.41	53	40	53	40	68	52	24	27	13
REINFORCING BARS IN COMPRESSION										
#3	0.375	8		12						HOOKED BARS SHALL NOT BE USED IN COMPRESSION
#4	0.5	10		15						
#5	0.625	12		19						
#6	0.75	14		23						
#7	0.875	17		26						
#8	1.0	19		30						
#9	1.125	22		34						
#10	1.25	24		38						
#11	1.375	27		42						



NOTES:

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 - NOT BE LESS THAN l_d , HAVE CLEAR COVER NOT LESS THAN d_b , AND STIRRUPS OR TIES THROUGHOUT l_d NOT LESS THAN THE CODE MINIMUM OR;
 - CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN $2d_b$ AND CLEAR COVER NOT LESS THAN d_b WHERE:
 - d_b = DIAMETER OF REINFORCING BAR
 - l_d = DEVELOPMENT LENGTH
- ALL LAP SPLICES SHALL BE CLASS B UNLESS NOTED OTHERWISE.

REV	DATE	DESCRIPTION	BY
		STANDARD HOOK AND REINFORCING LAP SPLICE	DIVISION D03
			SECTION - DETAIL NO. 3000-100D



COLUMN, PIER, AND BEAM

NOTE:

1. SEE PLANS FOR PROPER REBAR ORIENTATION



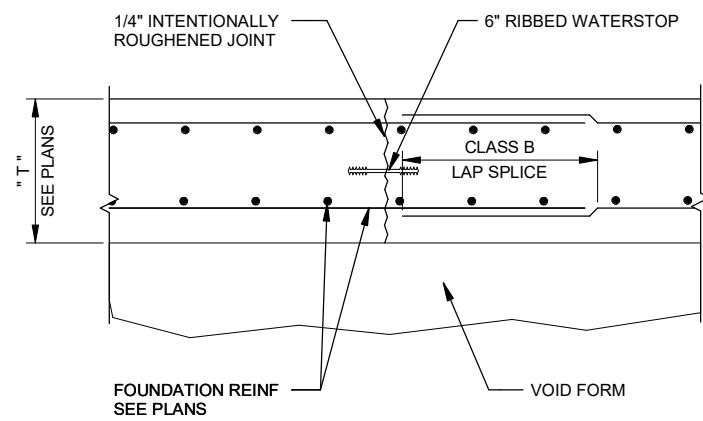
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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		STANDARD COVER FOR REINFORCING STEEL	DIVISION D03 SECTION - DETAIL NO. 3000-101

DETAIL NOT TO SCALE

DATE: 02/06/2026



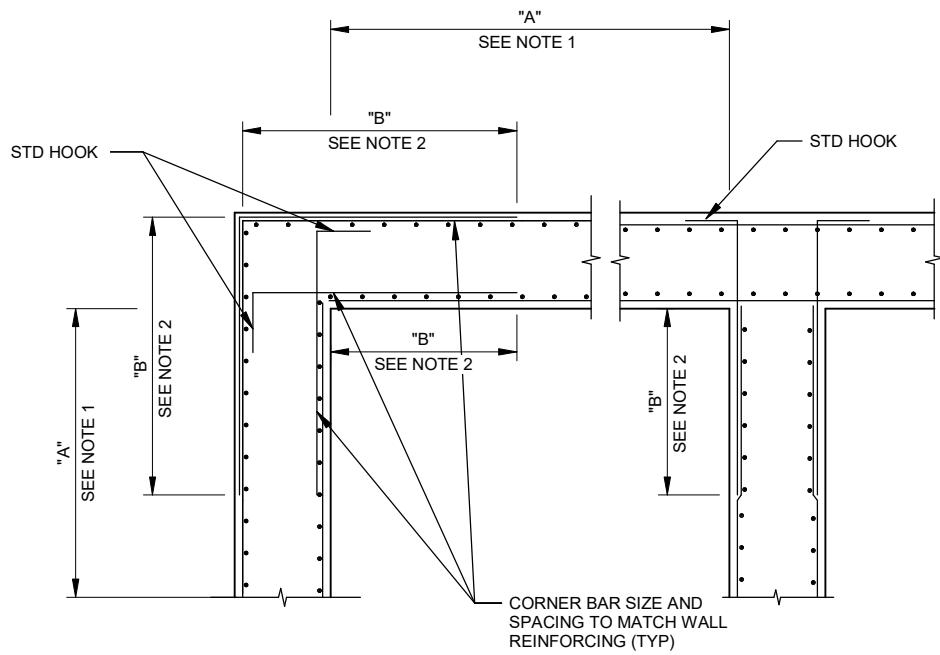
CITY OF MOORE
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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL FOUNDATION CONSTRUCTION JOINT	DIVISION D03 SECTION - DETAIL NO. 3000-127

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. DIMENSION "A" = LENGTH OF WALL PARALLEL TO THE BAR LENGTH IN QUESTION.
2. UNLESS OTHERWISE NOTED ON THE DRAWINGS, DIMENSION "B" SHALL BE THE MINIMUM CLASS B LAP SPLICE LENGTH AS REQUIRED. IF BAR SIZES DIFFER, USE THE MINIMUM LAP LENGTH AS REQUIRED FOR THE SMALLER OF THE TWO BARS BEING SPLICED.
3. ALL GRADE BEAMS AND FOUNDATIONS SHALL ALSO HAVE CORNER BARS.



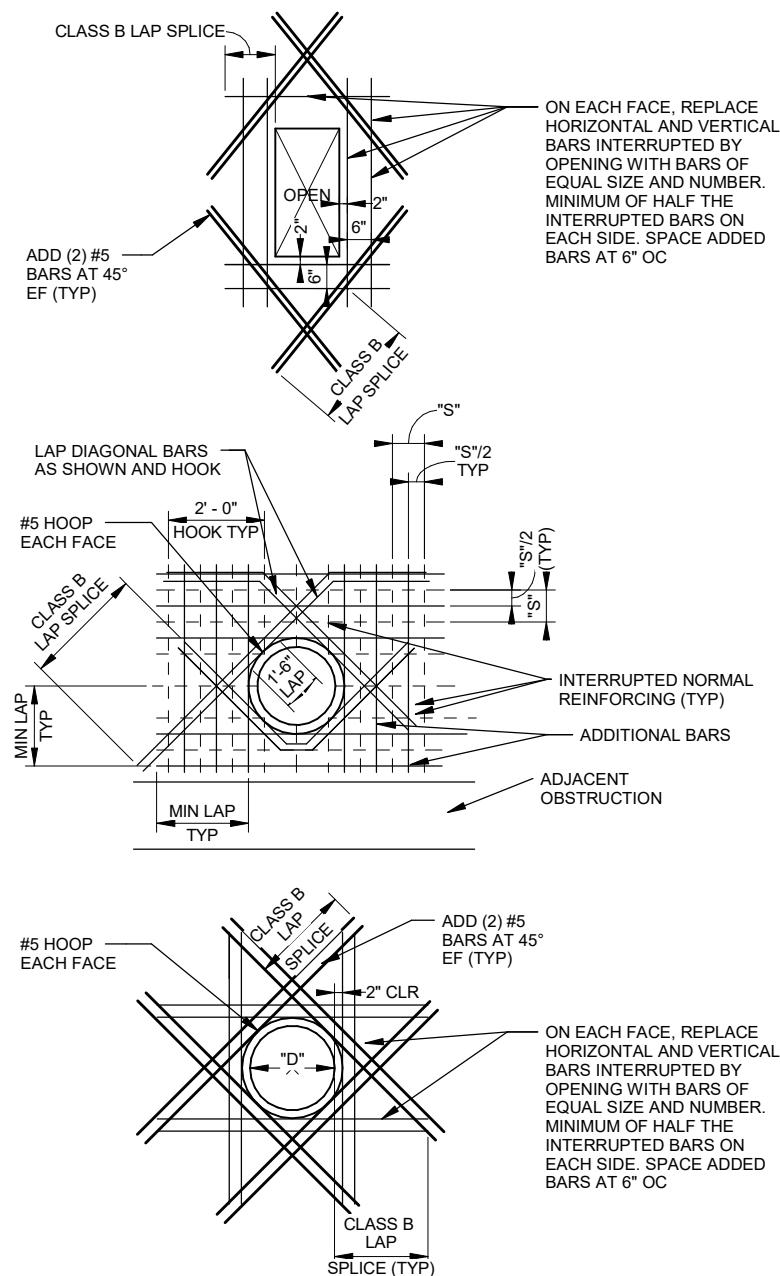
CITY OF MOORE
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MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL REINFORCED WALL, GRADE BEAM, AND FOUNDATION INTERSECTION/CORNER REINFORCING	DIVISION D03
			SECTION - DETAIL NO. 3000-200

DETAIL NOT TO SCALE

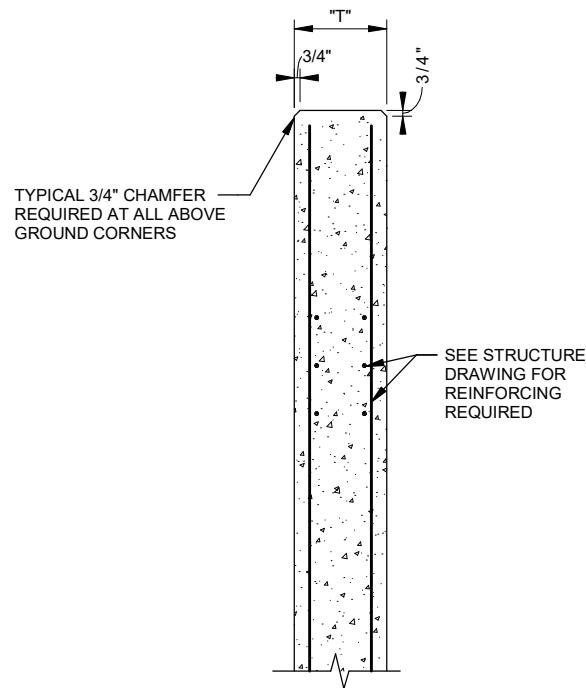
DATE: 02/06/2026



NOTES:

1. NUMBER OF ADDITIONAL REINFORCING BARS AT EACH SIDE OF OPENING SHALL EQUAL HALF THE NUMBER OF INTERRUPTED BARS IN EACH LAYER OF REINFORCING.
2. SIZE OF ADDITIONAL REINFORCING BARS TO EQUAL SIZE OF INTERRUPTED REINFORCING BARS.
3. PROVIDE STD HOOKS FOR BARS IF LAP LENGTH EXTENSION CANNOT BE OBTAINED AT JOINTS OR OTHER OBSTRUCTIONS. PLACE ADDITIONAL BARS IN SAME PLANES AS INTERRUPTED REINFORCING.
4. UNLESS NOTED OTHERWISE, SIZE OF DIAGONAL BARS SHALL BE THE SAME SIZE AS THE INTERRUPTED NORMAL REINFORCING LOCATE DIAGONALS IN EACH LAYER OF REINFORCING.
5. PLACE DIAGONAL BARS INSIDE NORMAL REINFORCING.
6. PROVIDE 2 DIAGONAL BARS EACH LAYER OR FACE, EACH WAY AS SHOWN. ALL REINFORCING TO CLEAR OPENING OR FLANGE COLLARS BY 2".

REV	DATE	DESCRIPTION	BY
		ADDITIONAL REINFORCEMENT AT WALL OPENINGS	DIVISION D03
SECTION - DETAIL NO. 3000-600			DATE: 02/06/2026



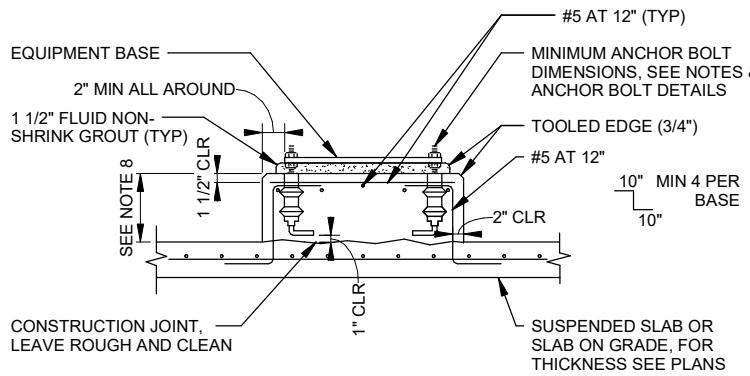
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		STANDARD CHAMFER AT CONCRETE	DIVISION D03 SECTION - DETAIL NO. 3000-602

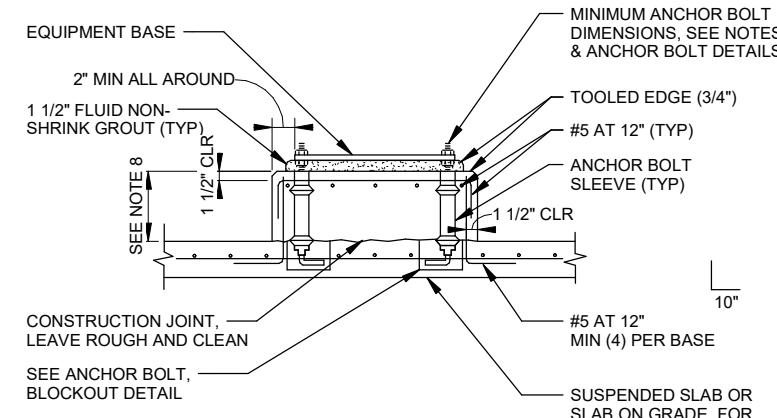
DETAIL NOT TO SCALE

DATE: 02/06/2026



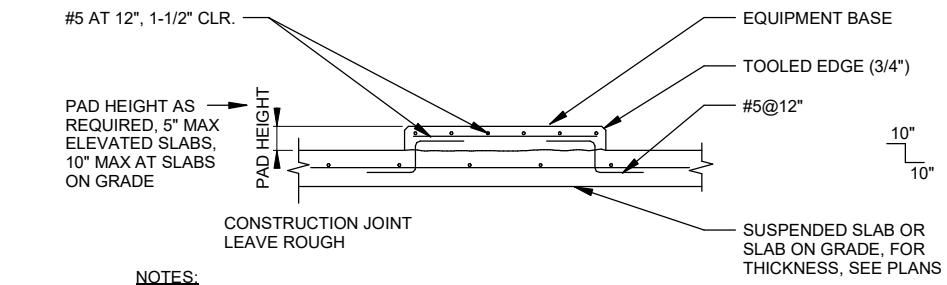
NOTES:

1. SEE EQUIPMENT BASE NOTES.
2. SEE TYPE B NOTES.



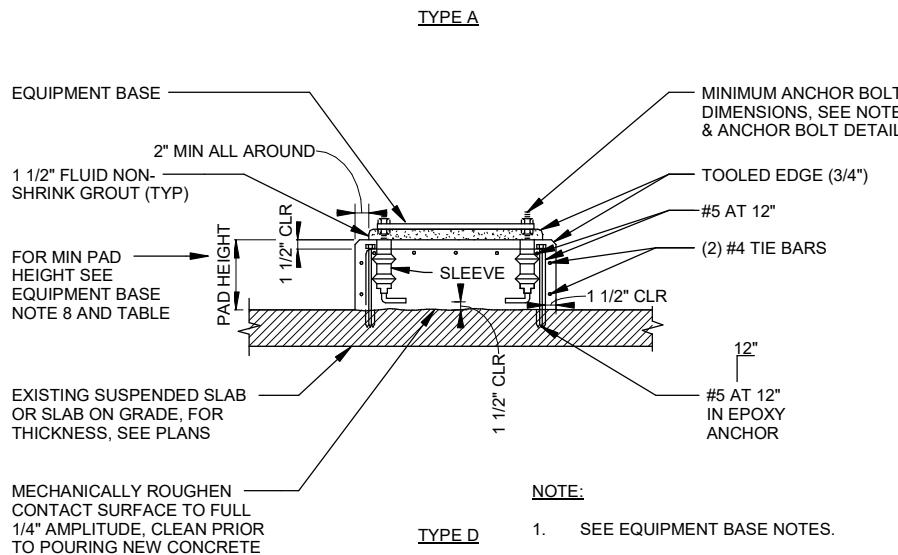
NOTES:

1. SEE EQUIPMENT BASE NOTES.
2. USE TYPE B BASE IN PLACE OF TYPE A WHERE REQUIRED BY EQUIPMENT OR STRUCTURE GEOMETRY. SEE NOTE 8.



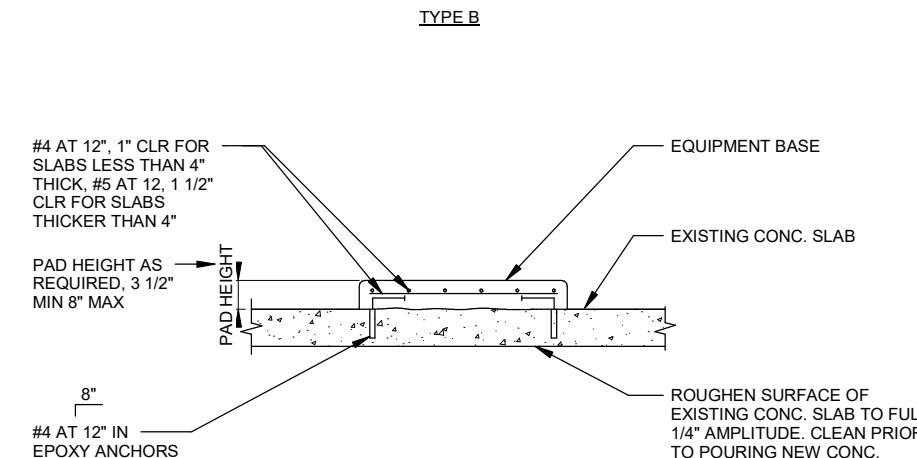
NOTES:

1. SEE EQUIPMENT BASE NOTES.
2. ANCHOR EQUIPMENT TO CONCRETE USING SST CONCRETE ANCHORS OR ANCHOR BOLTS SPECIFIED
3. PAD SHALL BE 6" LARGER THAN EQUIPMENT ON ALL SIDES UNLESS NOTED OTHERWISE OR AS REQUIRED BY EQUIPMENT MANUFACTURER.



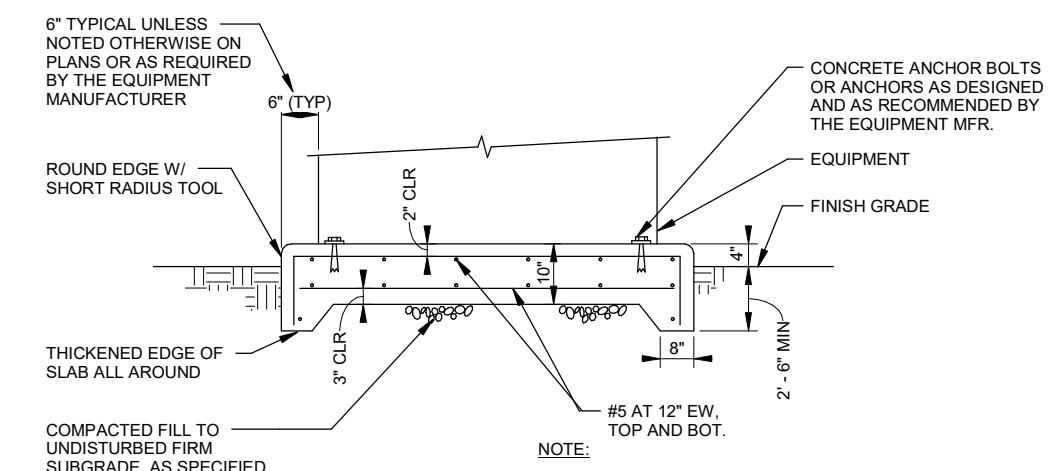
NOTE:

1. SEE EQUIPMENT BASE NOTES.



NOTE:

1. ANCHOR EQUIPMENT TO CONCRETE USING SST CONCRETE ANCHORS SPECIFIED.



NOTE:

1. VERIFY PAD SIZE WITH EQUIPMENT MANUFACTURER PRIOR TO CONSTRUCTION.

EQUIPMENT BASE NOTES:

1. PAD SIZE SHALL BE MINIMUM INDICATED OR AS SHOWN ON THE PLANS. VERIFY ALL PAD SIZE REQUIREMENTS WITH SHOP DRAWINGS OF ACTUAL EQUIPMENT FURNISHED AND OBTAIN ENGINEER'S APPROVAL OF FINAL DIMENSIONS.
2. THE SIZE, NUMBER, TYPE, LOCATION, AND THREAD PROJECTION OF THE ANCHOR BOLTS SHALL BE DETERMINED BY THE EQUIPMENT MANUFACTURER, AND SHALL BE AS APPROVED BY THE ENGINEER. ANCHOR BOLTS SHALL BE HELD IN POSITION WITH A ONE PIECE TEMPLATE, MATCHING THE BASE PLATE, WHILE PAD IS BEING POURED.
3. ANCHOR BOLT A MINIMUM MOVEMENT OF 1/2" IN ALL DIRECTIONS. THE MINIMUM SLEEVE LENGTH SHALL BE 8 TIMES THE BOLT DIAMETER. SLEEVES SHALL BE FILLED WITH NON-SHRINK GROUT.
4. ANCHOR BOLT SLEEVES SHALL HAVE A MINIMUM INTERNAL DIAMETER 1" GREATER THAN BOLT DIAMETER AND A MAXIMUM INTERNAL DIAMETER 3" GREATER THAN ANCHOR BOLT DIAMETER. SLEEVES SHALL BE FILLED WITH NON-SHRINK GROUT.

ANCHOR BOLT DIA (IN.)	1/2	5/8	3/4	7/8	1	1 1/4	1 3/8	1 1/2	1 3/4	2
MIN PAD HT (IN.)	7	8 1/2	10	11	12 1/2	15	16 1/2	18	21	24

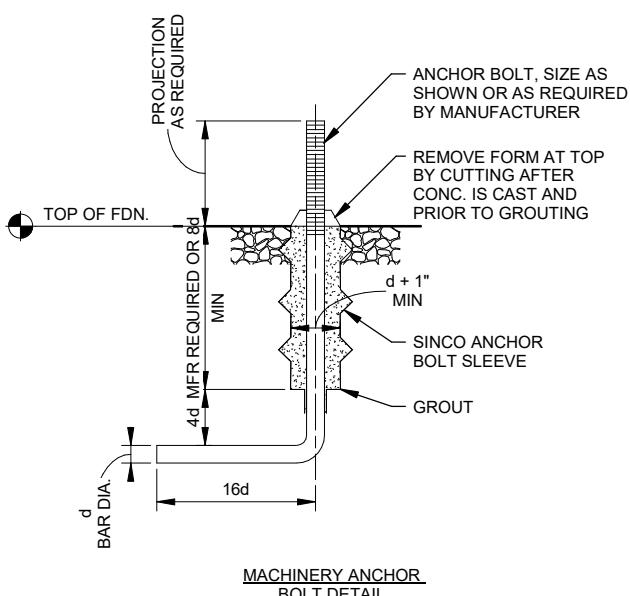
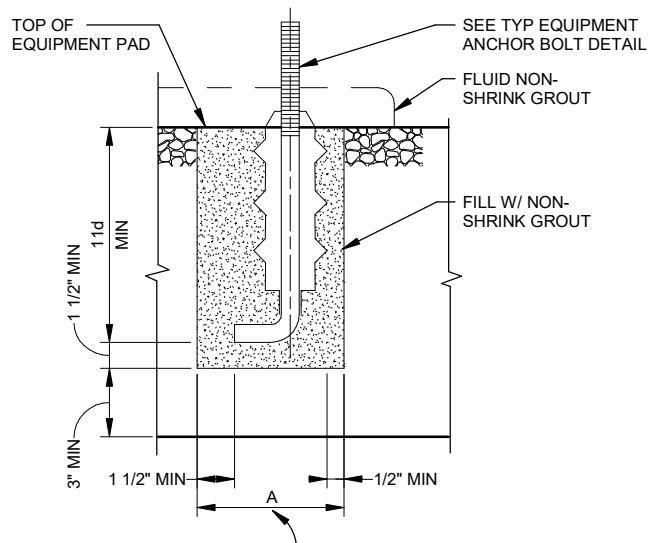
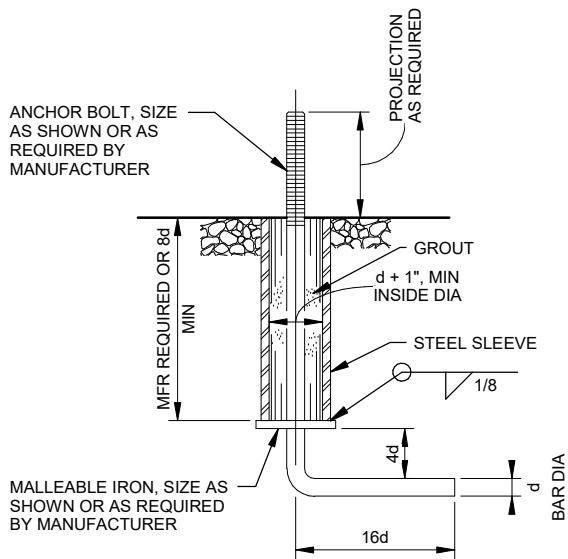
5. EQUIPMENT BASES SHALL BE INSTALLED LEVEL UNLESS SPECIFIED OTHERWISE.
6. WEDGES OR SHIMS SHALL BE USED TO SUPPORT THE BASE WHILE THE NON-SHRINK GROUT IS PLACED. TEMPORARY LEVELING NUTS SHALL BE BACKED OFF, IF LEFT IN THE WEDGES OR SHIMS SHALL NOT BE EXPOSED TO VIEW.
7. HEIGHT OF PADS SHALL BE MINIMUM REQUIRED FOR ANCHOR BOLT CLEARANCE TO KEEP ANCHOR BOLT OUT OF SLAB (SEE TABLE BELOW). WHERE EQUIPMENT OR PIPING ELEVATION REQUIRE A PAD HEIGHT LESS THAN THE MINIMUM SHOWN, USE TYPE B WITH BLOCKOUT.
8. TYPE "D" PADS MAY BE SUBSTITUTED FOR TYPE "A" PADS FOR LOCATIONS APPROVED IN WRITING BY THE ENGINEER.
9. SEE ANCHOR BOLT AND BLOCKOUT DETAILS.

CITY OF MOORE
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JOB NO.: 2202254/2501328/2500545

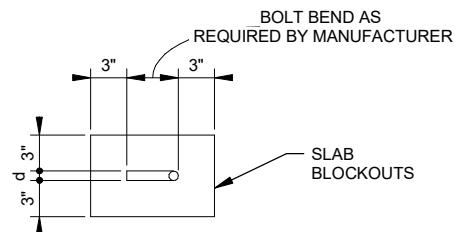
REV	DATE	DESCRIPTION	BY
			DIVISION D03
		EQUIPMENT BASE DETAIL	SECTION - DETAIL NO. 3000-1000

DATE: 02/06/2026

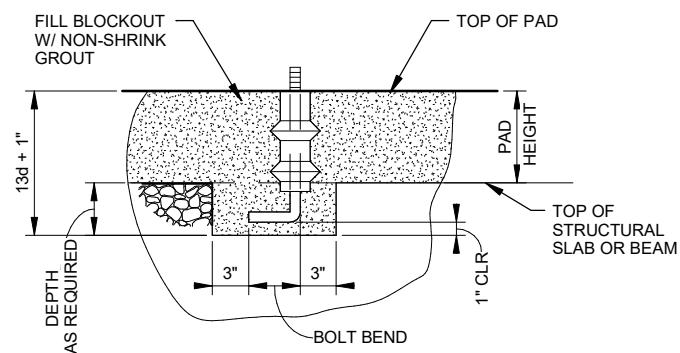




ANCHOR BOLT BLOCKOUT



PLAN



ELEVATION

ANCHOR BOLT BLOCKOUT

NOTES:

1. SINCO PRODUCTS INC. EAST HAMPTON, CT 1-800-243-6753.
2. REFER TO EQUIPMENT BASE NOTES.
3. 3d WHERE MANUFACTURER VERIFIES NO BOLT PULLOUT RESISTANCE REQUIRED.



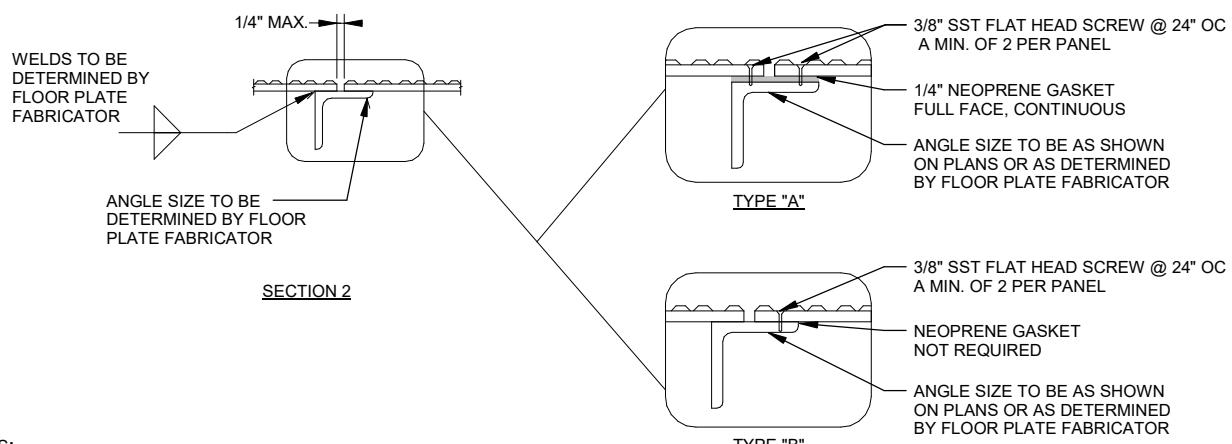
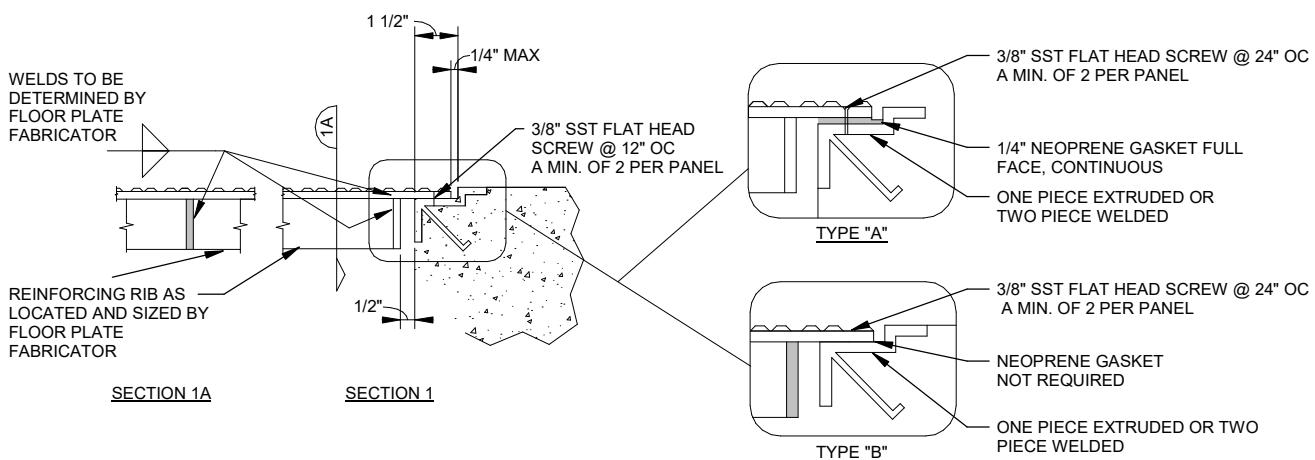
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		ANCHOR BOLT DETAIL	DIVISION D03 SECTION - DETAIL NO. 3000-1001

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. TYPE "A" WITH NEOPRENE GASKET TO BE USED AT ALL EXTERIOR OR ODOR CONTROL LOCATIONS, UNLESS NOTED OTHERWISE.
2. REFER TO DETAIL D05/5000-902 FOR ALUMINUM PLATE CONNECTION DETAIL NOTES.
3. 1/4", 3/8" OR 1/2" ALUMINUM CHECKED PLATE AS REQUIRED OR SHOWN ON PLANS.



CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		CONNECTION DETAILS	DIVISION D05 SECTION - DETAIL NO. 5000-901

DETAIL NOT TO SCALE

DATE: 02/06/2026

NOTES:

1. UNLESS SHOWN OR NOTED OTHERWISE, ALL GRATING, CHECKER PLATE, PLANK, HATCHES AND/OR ACCESS HATCHES SHALL BE ALUMINUM, SUPPORTING STRUCTURAL SYSTEM SHALL BE ALUMINUM OR TYPE 304 STAINLESS STEEL.
2. ALL CHECKERED PLATE AND ALL ALUMINUM GRATING, INCLUDING ALL SUPPORT MEMBERS, REINFORCING RIBS, STIFFENERS, EDGE MEMBERS, EDGE SUPPORTS, CORNER AND/OR INTERSECTION SUPPORTS AND ALL STRUCTURAL REQUIREMENTS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE WORK AND PROVIDED BY THE MANUFACTURER. SUCH DESIGN FOR GRATING, PLANK, AND/OR CHECKERED PLATE COVERING, INCLUDING ALL SUPPORTS AND INTEGRAL MEMBERS SHALL BE FOR THE ACTUAL DEAD LOAD AND A UNIFORM LIVE LOAD OF 200 LBS/SQ. FT. OR THE UNIFORM LIVE LOAD OF THE ADJACENT FLOOR, WHICHEVER LOADS PRODUCES THE GREATER EFFECT, WITH TOTAL LOAD DEFLECTION LIMITED TO L/180 NTE 3/8 INCH BETWEEN SUPPORTING MEMBERS MAXIMUM. THE CONTRACTOR SHALL SUBMIT THE DESIGN OF THE GRATING, PLANK, AND/OR CHECKERED PLATE, INCLUDING ALL SUPPORTS AND INTEGRAL MEMBERS, COMPLETE WITH DETAILS AND CALCULATIONS TO BE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF THE APPLICATION GRATING, PLANK, AND/OR CHECKERED PLATE.
3. ALL ENDS AND OPENINGS SHALL BE BANDED.
4. PROVIDE 1/4" NEOPRENE GASKETS FOR ALL SEALED CHECKER PLATING, UNLESS NOTED OTHERWISE.
5. THE WEIGHT OF A GRATING, PLANK, OR CHECKERED PLATE SECTION SHALL NOT EXCEED 150 LBS.
6. ALUMINUM SURFACES IN CONTACT WITH CONCRETE GROUT OR DISSIMILAR METALS WILL BE PROTECTED WITH A COAT OF BITUMINOUS PAINT, MYLAR ISOLATES OR OTHER APPROVED MATERIAL.
7. SEALED CHECKERED PLATE, PLANK, AND HATCHES REQUIRED AT ALL ODOR CONTROLLED STRUCTURES.
8. ADDITIONAL REQUIREMENTS PER SPECIFICATIONS.
9. LOADING CRITERIA FOR HATCHES PER SPECIFICATIONS.
10. LOADING CRITERIA FOR FIBER-REINFORCED PLASTIC (FRP) GRATING PER SPECIFICATIONS.

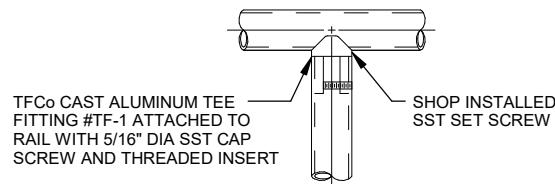


CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		CONNECTION DETAIL NOTES	DIVISION D05 SECTION - DETAIL NO. 5000-902 DATE: 02/06/2026

DETAIL NOT TO SCALE

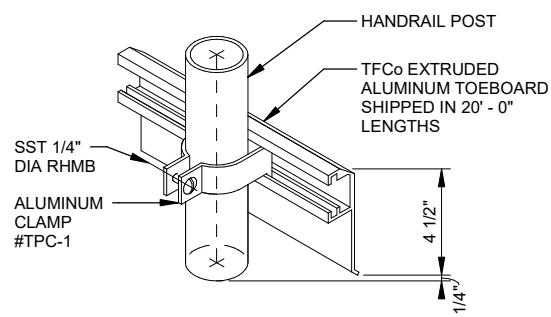


CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TEE FITTING DETAIL	DIVISION D05
SECTION - DETAIL NO. 5213-100			DATE: 02/06/2026

DETAIL NOT TO SCALE



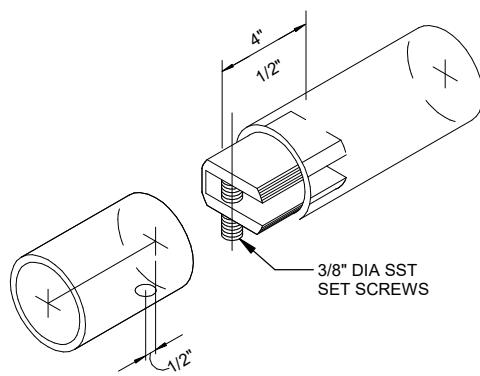
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TOEBOARD DETAILS	DIVISION D05 SECTION - DETAIL NO. 5213-101

DETAIL NOT TO SCALE

DATE: 02/06/2026



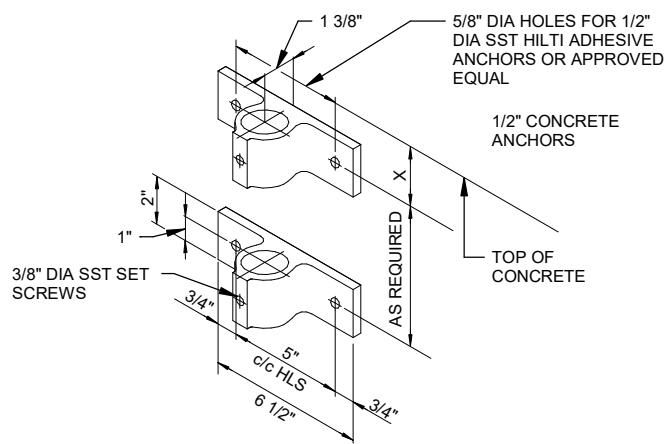
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		SPLICE LOCK	DIVISION D05 SECTION - DETAIL NO. 5213-102

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. DIMENSION "X", EDGE DISTANCE SHALL COMPLY WITH FASTENER CALCULATIONS.



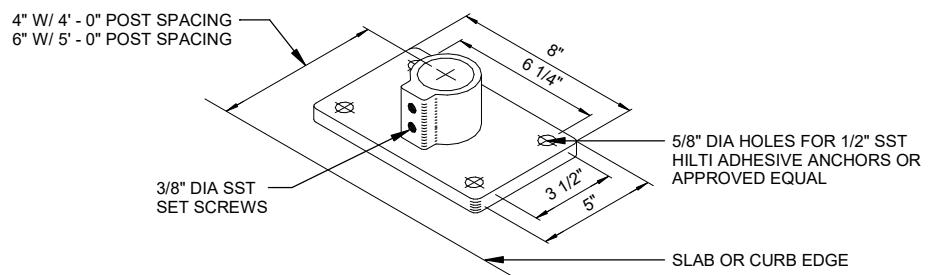
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		SIDE MOUNT BRACKET	DIVISION D05 SECTION - DETAIL NO. 5213-105

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. LOCATE SET SCREWS IN BASE FLANGE AT 90 DEGREES FROM CENTERLINE OF HANDRAIL RUN AND ON SIDE AWAY FROM WALKING SURFACE.



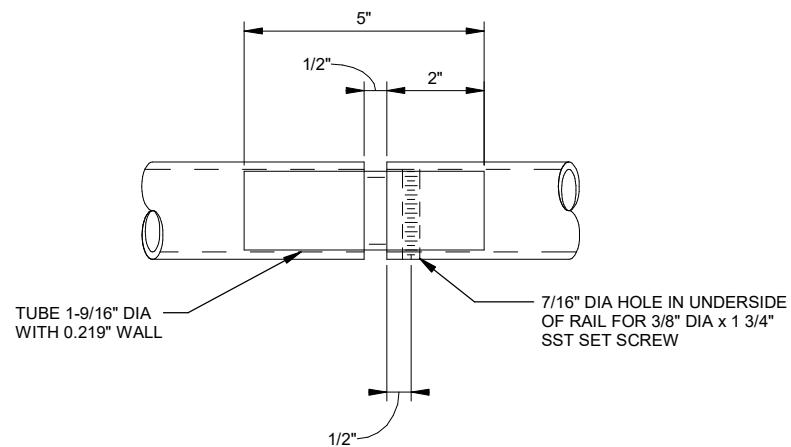
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		BASE FLANGE DETAIL	DIVISION D05 SECTION - DETAIL NO. 5213-107

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. LOCATED AT 60' - 0" MAXIMUM INTERVALS.



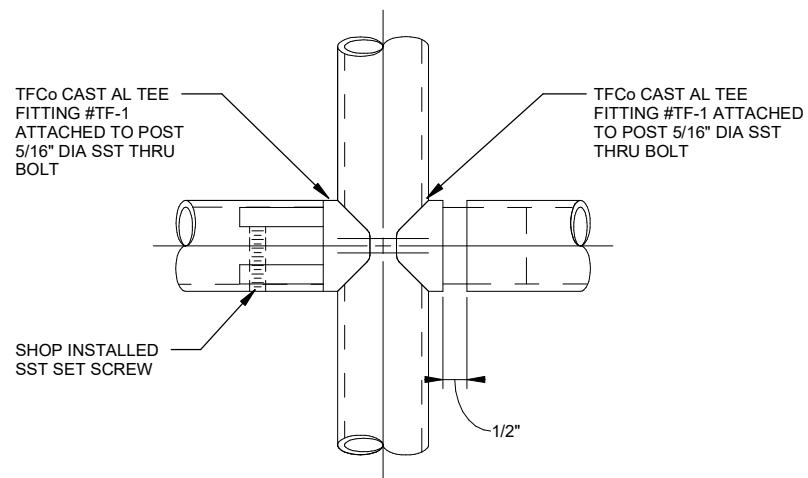
CITY OF MOORE
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MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		EXPANSION JOINT SPLICE	DIVISION D05 SECTION - DETAIL NO. 5213-108

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. MIDRAIL EXPANSION SPLICE LOCATED AT 60' - 0" MAXIMUM INTERVALS.



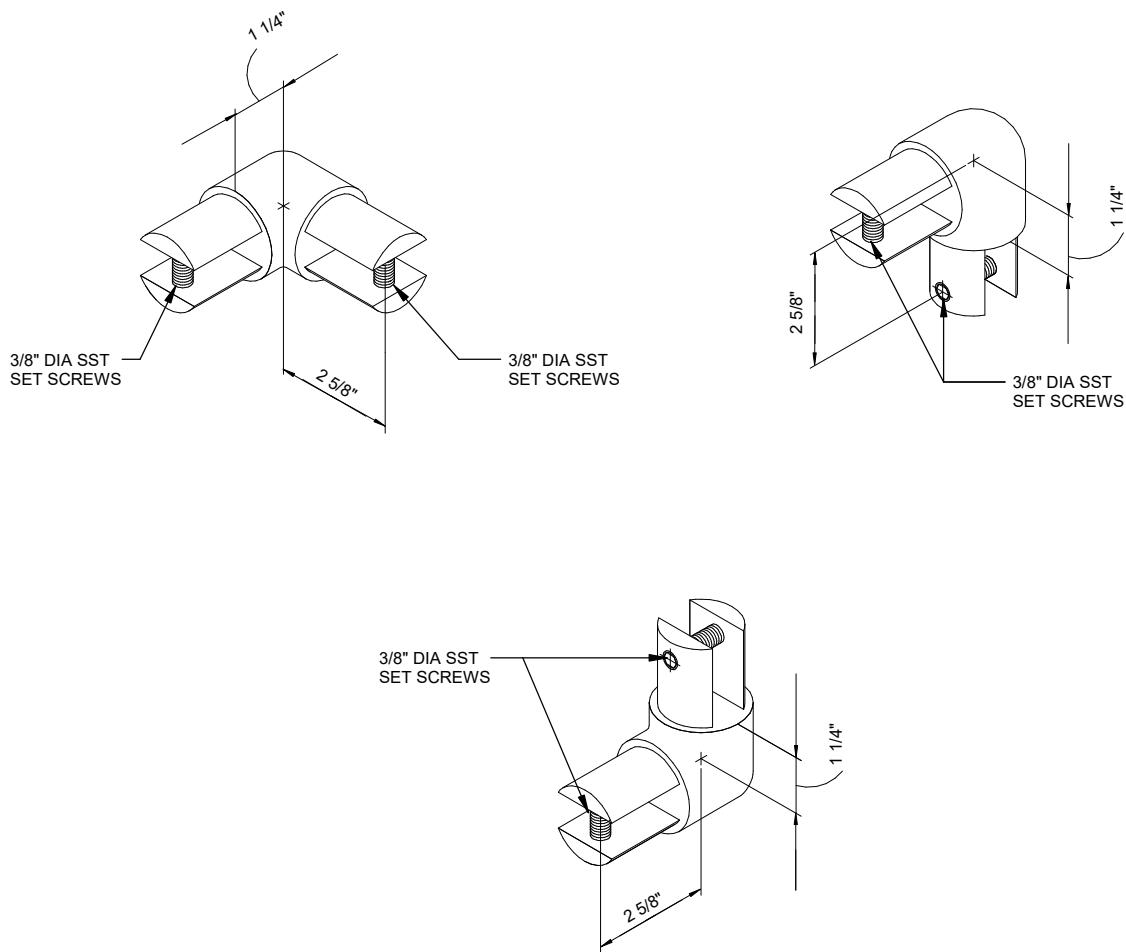
CITY OF MOORE
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JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		EXPANSION SPLICE DETAIL	DIVISION D05 SECTION - DETAIL NO. 5213-109

DETAIL NOT TO SCALE

DATE: 02/06/2026

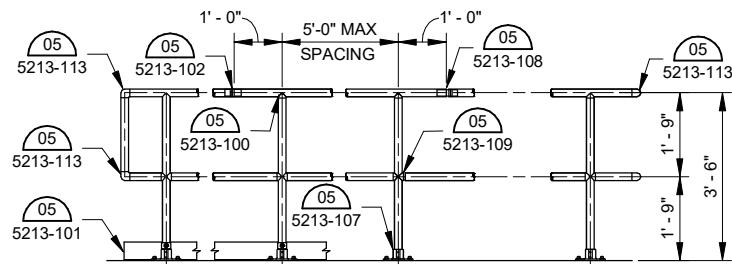


CITY OF MOORE
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IMPROVEMENTS

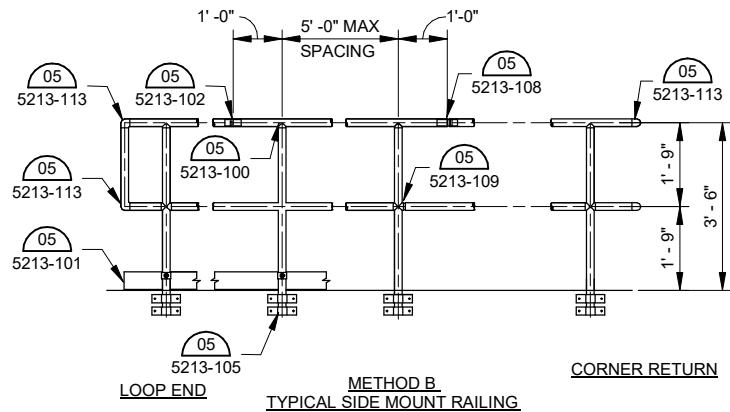
JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
			DIVISION D05
FASTENER DETAILS			SECTION - DETAIL NO. 5213-113
			DATE: 02/06/2026

DETAIL NOT TO SCALE



LOOP END METHOD A
TYPICAL TOP MOUNT RAILING CORNER RETURN



NOTES:

1) GUARDRAILS SHALL BE TOP MOUNTED OR SIDE MOUNTED AS SHOWN ON PLANS.



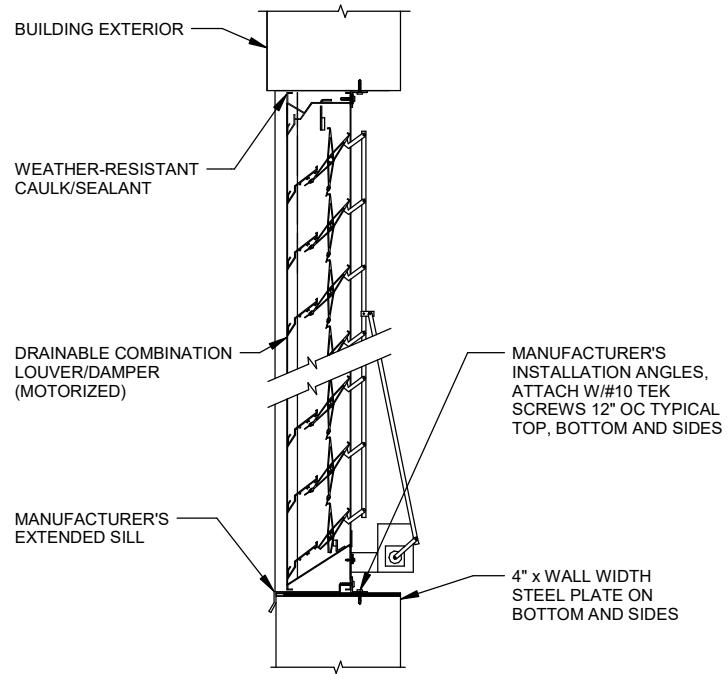
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		OSHA TYPE GUARDRAIL	DIVISION D05 SECTION - DETAIL NO. 5213-600

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. INSTALL LOUVER PER MANUFACTURER'S INSTRUCTIONS.
2. FURNISH AND INSTALL ELECTRIC TWO POSITION ACTUATOR, ADJUST FOR FULL OPEN/CLOSE OPERATION.
3. SEE SCHEDULE FOR MOUNTING HEIGHT.



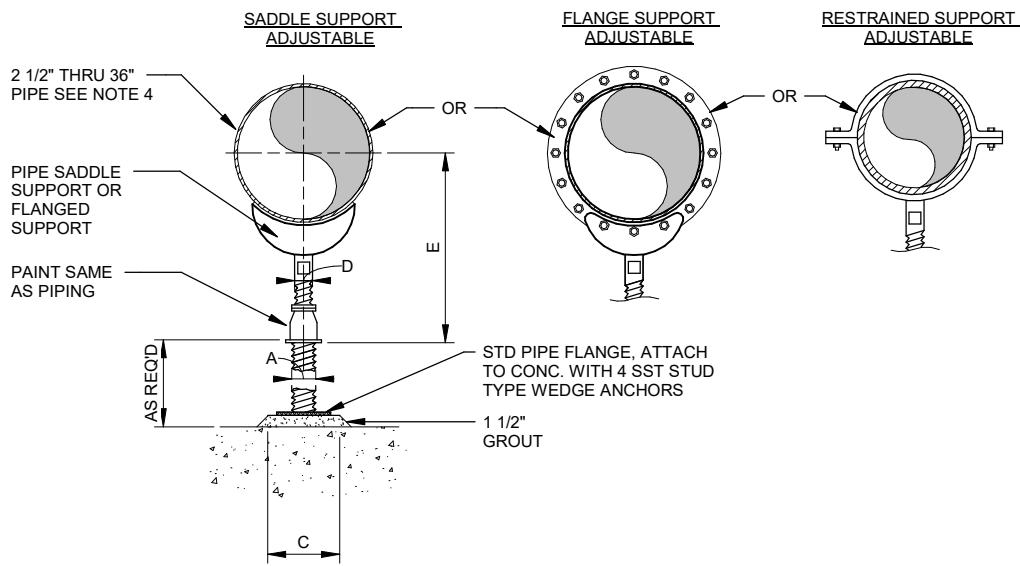
CITY OF MOORE
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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		COMBINATION LOUVER MOUNTING DETAIL	DIVISION D08 SECTION - DETAIL NO. 9000-001

DETAIL NOT TO SCALE

DATE: 02/06/2026



DIMENSION TABLE						
PIPE SIZE	A	B	C	D	E	
					MIN	MAX
2-1/2"	2-1/2"	3-1/2"	6"	1-1/2"	8"	13"
3"	2-1/2"	3-3/4"	8"	1-1/2"	8-1/4"	13-1/4"
3-1/2"	2-1/2"	4"	8"	1-1/2"	8-1/2"	13-1/2"
4"	3"	4-1/4"	8"	2-1/2"	9-1/4"	14"
5"	3"	4-7/8"	8"	2-1/2"	10"	14-3/4"
6"	3"	5-1/2"	10"	2-1/2"	10-1/2"	15-1/4"
8"	3"	6-7/8"	10"	2-1/2"	11-3/4"	15-1/2"
10"	3"	8-1/2"	14"	2-1/2"	13-1/2"	18-1/4"
12"	3"	9-15/16"	18"	2-1/2"	15"	19-3/4"
14"	4"	10-15/16"	18"	3"	16-1/4"	20-3/4"
16"	4"	12-3/8"	20"	3"	17-3/4"	22-1/4"
18"	6"	13-7/8"	22"	3-1/2"	19-1/2"	24"
20"	6"	15-3/8"	22"	3-1/2"	21"	25-1/2"
24"	6"	17-15/16"	24"	4"	23-3/4"	28-1/4"
30"	6"	21-5/16"	30"	4"	27"	31-1/2"
32"	6"	22-1/2"	30"	4"	28-1/4"	32-3/4"
36"	6"	24-1/2"	30"	4"	30-1/4"	34-3/4"

NOTES:

1. PROVIDE HALF ROUND RIGID INSULATION AND INSULATION PROTECTION SHIELD WHERE PIPING IS INSULATED.
2. PROVIDE NEOPRENE WAFFLE INSULATION PAD, SIMILAR TO MASON TYPE "W" OR KORFUND 40, UNDER SUPPORT FOOT WHEN PIPING IS ISOLATED OR SUPPORT IS ADJACENT TO MECHANICAL EQUIPMENT.
3. FOR BASE, HEIGHT AND FLANGE DIMENSIONS, SEE TABLE.
4. USE 2 1/2" SUPPORTS FOR PIPES LESS THAN 2 1/2" DIAMETER.

REV	DATE	DESCRIPTION	BY
		ADJUSTABLE FLOOR MOUNTED PIPE SUPPORT	DIVISION D22
			SECTION - DETAIL NO. 0529-001

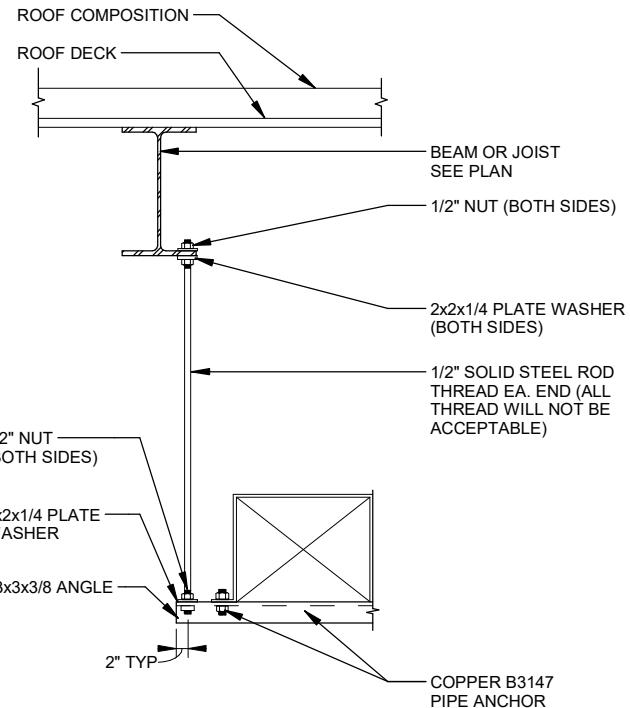
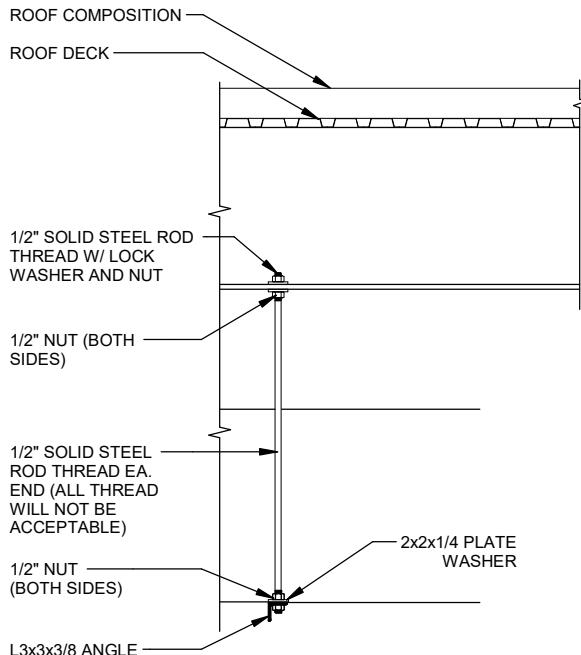


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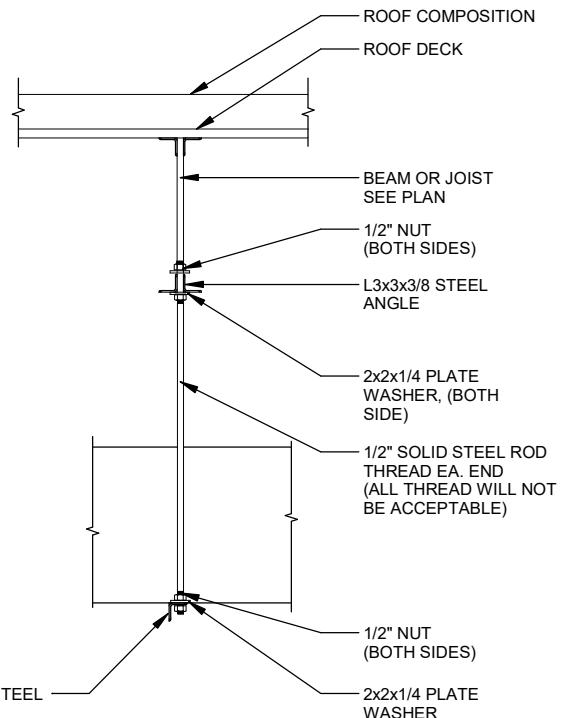
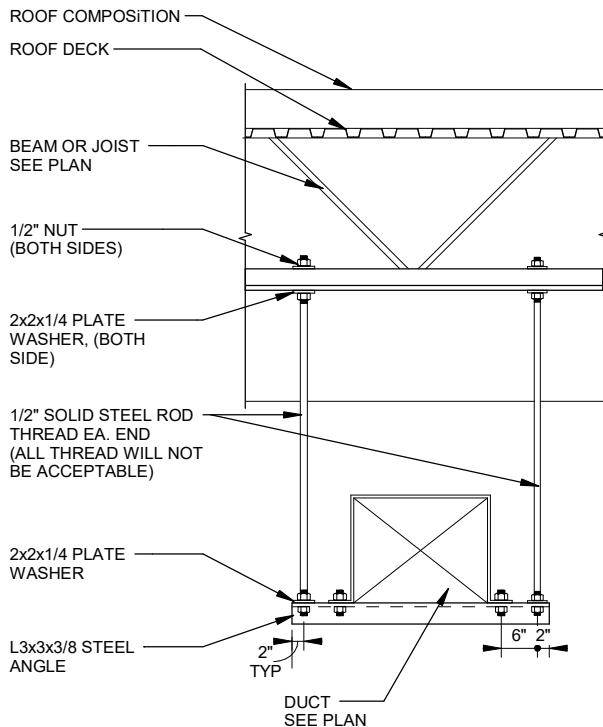
JOB NO.: 2202254/2501328/2500545

DETAIL NOT TO SCALE

DATE: 02/06/2026



SUPPORT PIPE RUN PARALLEL WITH STRUCTURAL SUPPORT

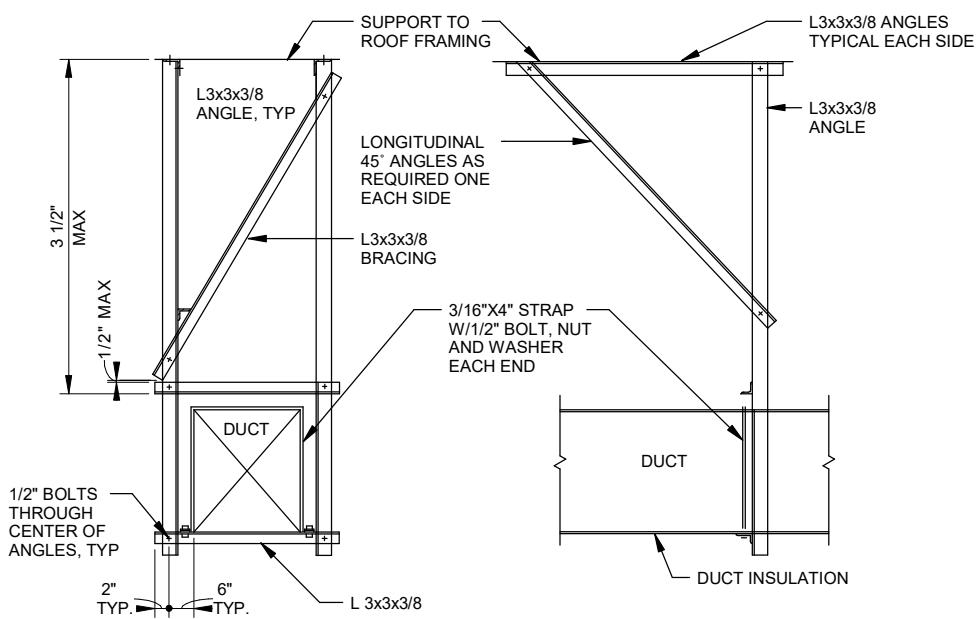


SUPPORT DUCT RUN PERPENDICULAR WITH STRUCTURAL SUPPORT

NOTES:

1. HANGER CLAMP SHALL BE USED IF MINIMUM EDGE SPACING CAN NOT BE ACHIEVED.
2. SEE DETAIL ^{D23}
0529-003 FOR BRACED HANGER SUPPORT AS REQUIRED.
3. MAXIMUM HANGER SPACING SHALL BE 10FT.

REV	DATE	DESCRIPTION	BY
		DUCT HANGER SUPPORT BEAM DETAIL	DIVISION D23 SECTION - DETAIL NO. 0529-001



FRONT ELEVATION STEEL ANGLES, TYP

LEFT SIDE ELEVATION

NOTES:

1. ROUND DUCT SUPPORTS SHALL BE SIMILAR.
2. SPACING OF DUCT SUPPORTS SHALL BE AS FOLLOWS
 - A. TRANSVERSE BRACING 30' OC MAX
 - B. LONGITUDINAL BRACING 60' OC MAX
 - C. TRANSVERSE BRACING SHALL BE INSTALLED AT EACH DUCT BEND AND EACH END OF A DUCT RUN REGARDLESS OF LENGTH.
 - D. WALLS, INCLUDING GYP-BOARD NON-BEARING PARTITIONS, WHICH HAVE DUCTS RUNNING THROUGH THEM MAY REPLACE A TYPICAL TRANSVERSE BRACE.
3. SEE SPEC. SECTION 05900



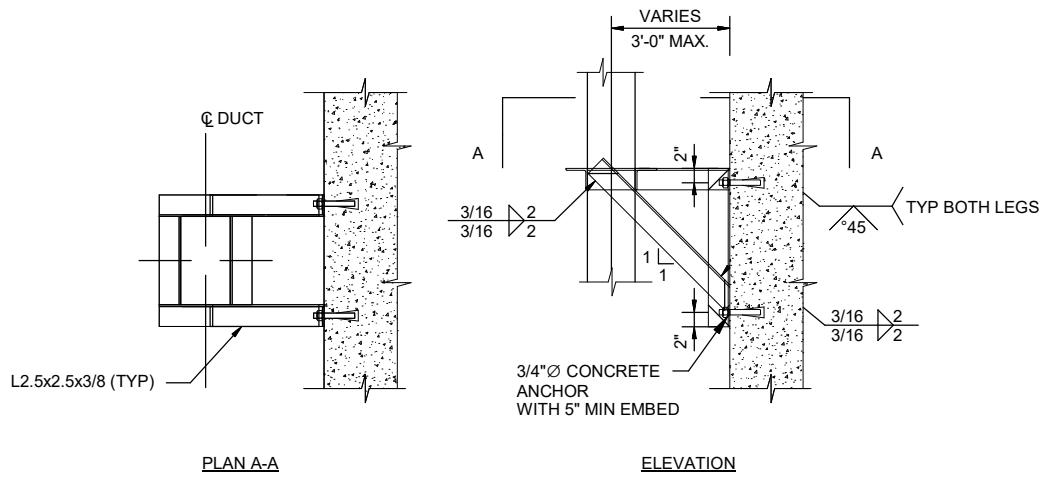
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		DUCT SUPPORTS DETAILS	DIVISION D23 SECTION - DETAIL NO. 0529-003

DETAIL NOT TO SCALE

DATE: 02/06/2026



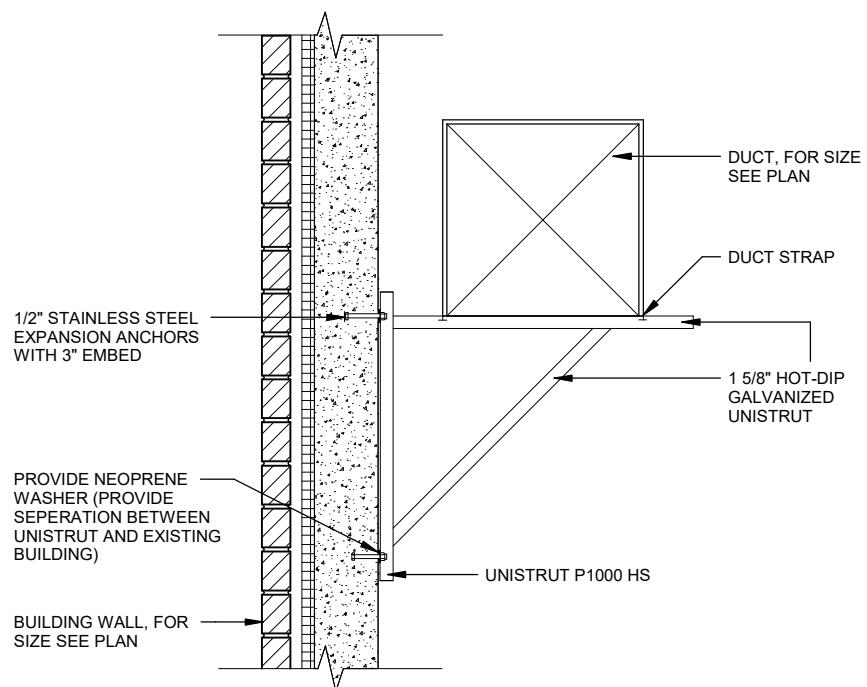
CITY OF MOORE
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MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		WALL MOUNTED VERTICAL DUCT SUPPORT	DIVISION D23 SECTION - DETAIL NO. 0529-004

DETAIL NOT TO SCALE

DATE: 02/06/2026



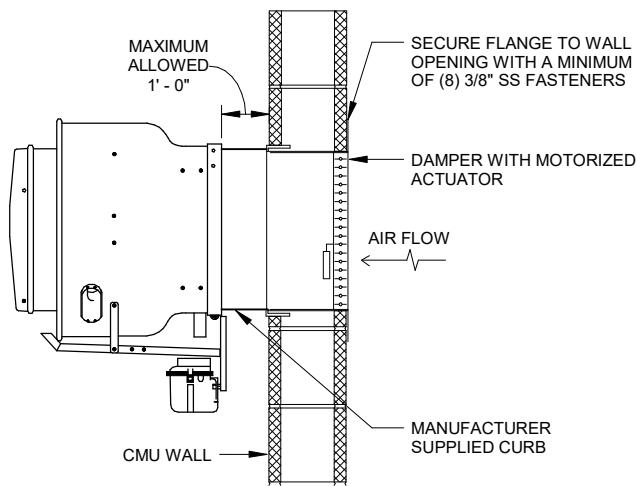
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		WALL MOUNTED DUCT SUPPORT DETAIL	DIVISION D23 SECTION - DETAIL NO. 0529-005

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. CONTRACTOR SHALL MOUNT AND INSTALL CENTRIFUGAL EXHAUST FAN ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
2. CONTRACTOR SHALL LUBRICATE FAN BEARINGS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.



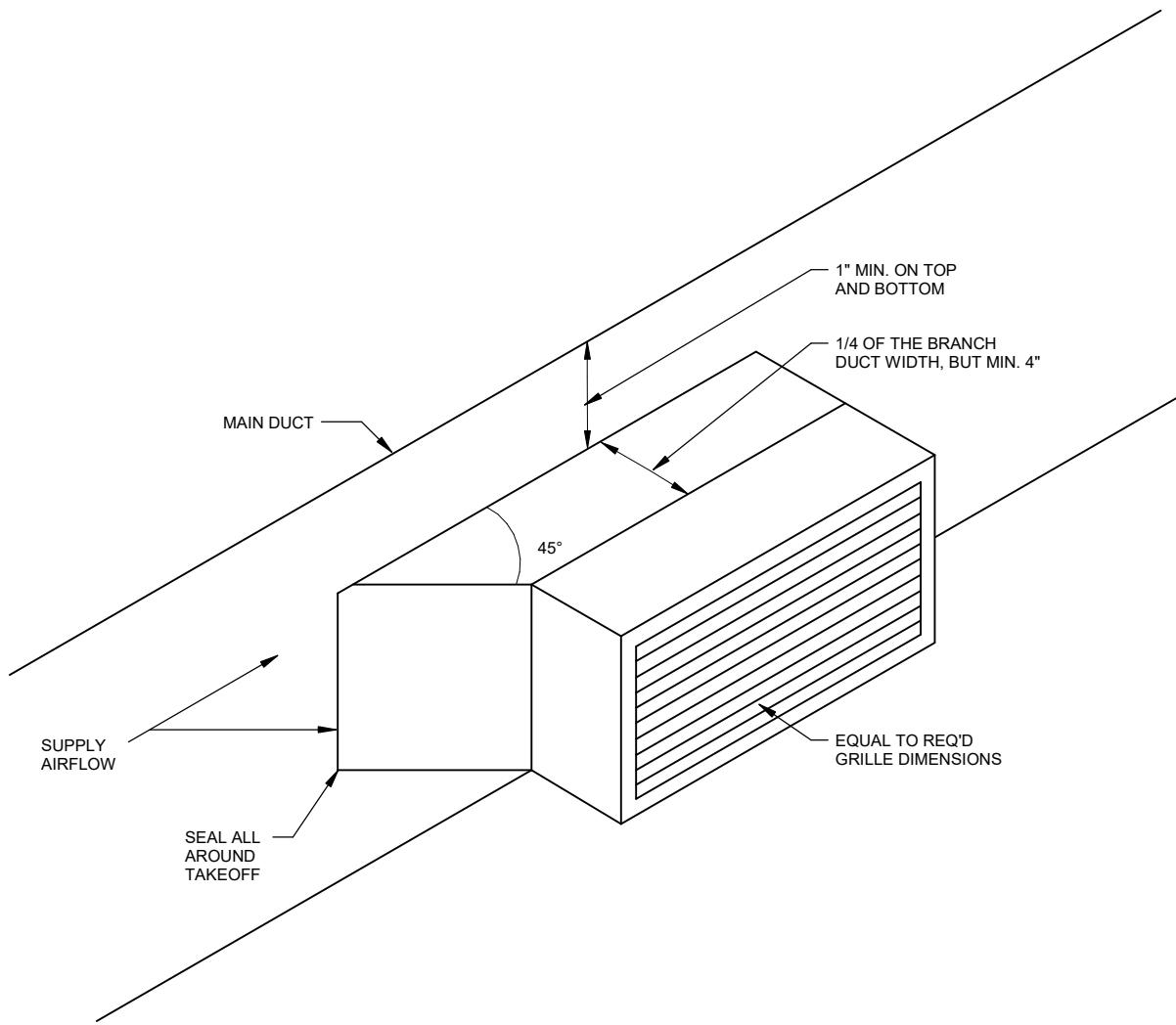
CITY OF MOORE
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MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		WALL MOUNTED CENTRIFUGAL TYPE EXHAUST FAN	DIVISION D23 SECTION - DETAIL NO. 3423-009

DETAIL NOT TO SCALE

DATE: 02/06/2026



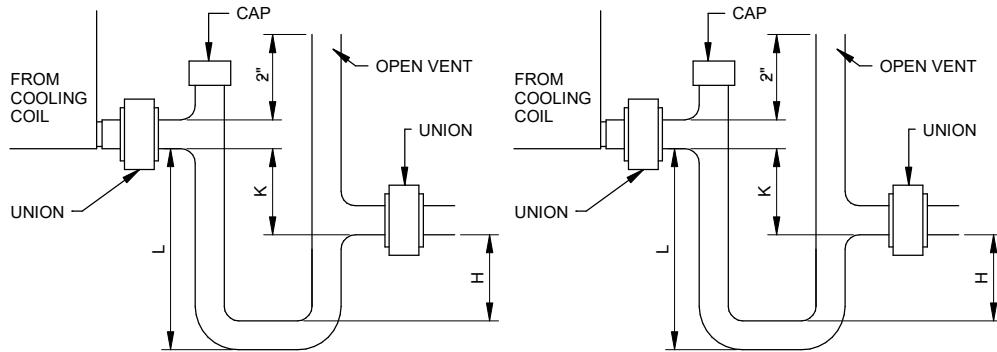
CITY OF MOORE
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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		BRANCH GRILLE TAKEOFF	DIVISION D23 SECTION - DETAIL NO. 3713-004

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. SEE DRAWINGS AND SPECS FOR SIZE, MATERIAL, SLOPE, AND POINT OF DISCHARGE.

TRAP SIZING PARAMETERS:

- $K = 1/2$ INCH MINIMUM
- $H = 1$ INCH PLUS THE TOTAL FAN STATIC PRESSURE
- $L = H + K + \text{PIPE DIAMETER}$

TRAP UNDER POSITIVE PRESSURE

NOTES:

1. SEE DRAWINGS AND SPECS FOR SIZE, MATERIAL, SLOPE, AND POINT OF DISCHARGE.

TRAP SIZING PARAMETERS:

- $K = 1$ INCH FOR EACH INCH OF NEGATIVE PRESSURE* + 1 INCH
- $H = 1/2 K$
- $L = H + K + \text{PIPE DIAMETER}$

NEGATIVE PRESSURE* = TOTAL FAN STATIC PRESSURE

TRAP UNDER NEGATIVE PRESSURE



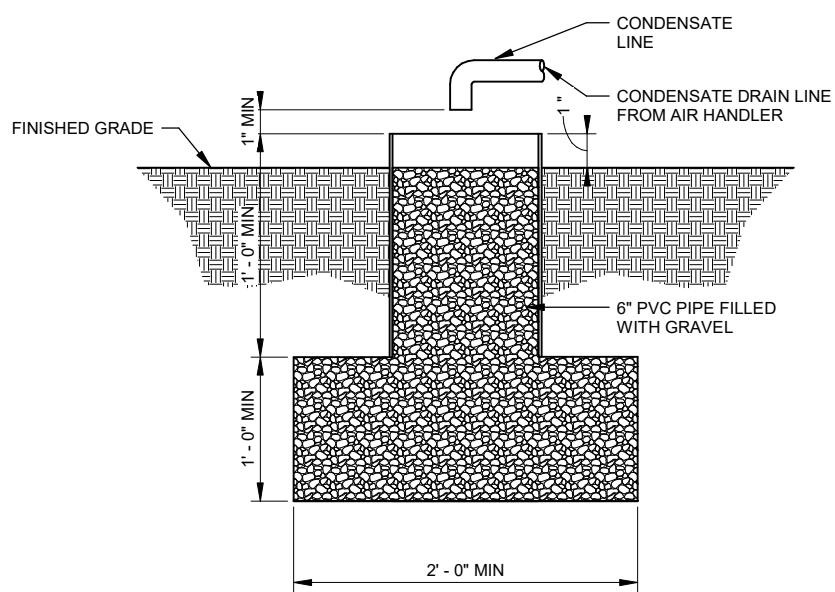
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL CONDENSATE DRAIN DETAIL	DIVISION D23 SECTION - DETAIL NO. 7413-002

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. GRAVEL TO BE MINIMUM OF 3 CUBIC FEET.
2. MINIMUM 6" OF EXISTING/NATURAL SOIL/DIRT BETWEEN GRAVEL AND ANY OTHER STRUCTURE



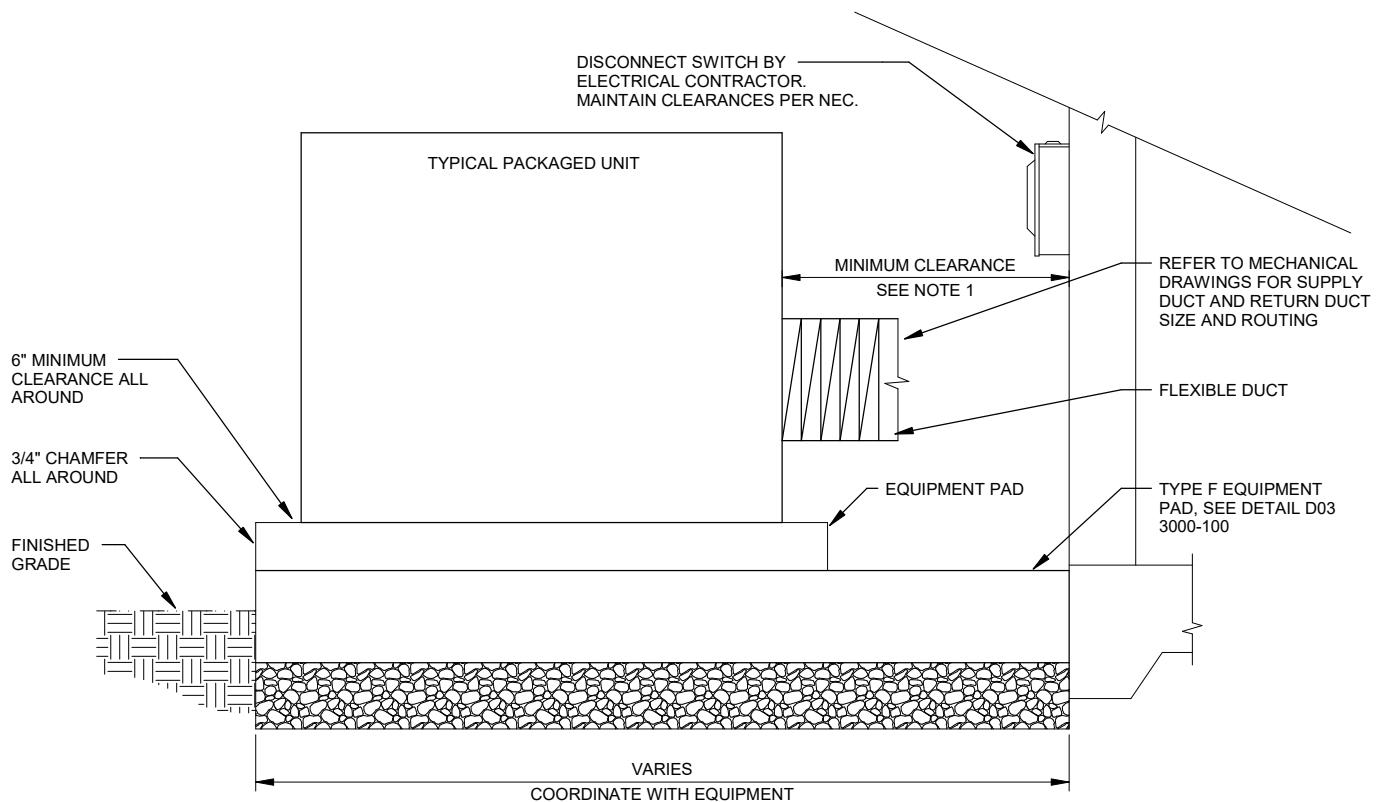
CITY OF MOORE
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MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		CONDENSATE DRAIN DRY WELL	DIVISION D23 SECTION - DETAIL NO. 7413-003

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. MAINTAIN MINIMUM CLEARANCES AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
2. VERIFY ALL EQUIPMENT REQUIREMENTS PRIOR TO PERFORMING THE ELECTRICAL INSTALLATION. FUSE ALL EQUIPMENT PER MANUFACTURER RECOMMENDATION.
3. ELECTRICAL SHALL CONFORM TO THE REQUIREMENTS IN DIVISION 26.



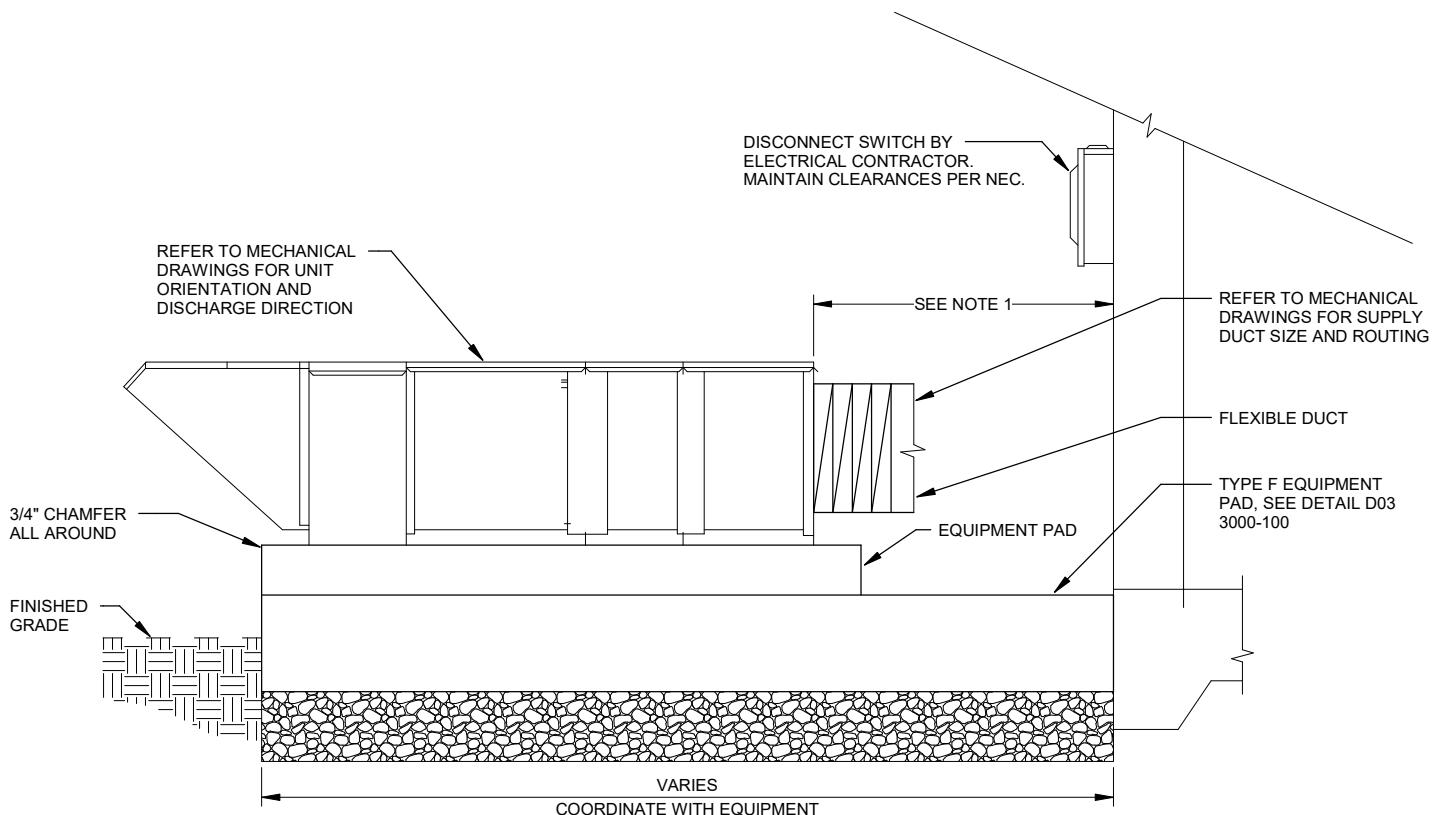
CITY OF MOORE
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MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		GROUND MOUNTED AIR CONDITIONING UNIT DETAIL	DIVISION D23 SECTION - DETAIL NO. 7413-004

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. MAINTAIN MINIMUM CLEARANCES AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
2. VERIFY ALL EQUIPMENT REQUIREMENTS PRIOR TO PERFORMING THE ELECTRICAL INSTALLATION. FUSE ALL EQUIPMENT PER MANUFACTURER RECOMMENDATION.
3. ELECTRICAL SHALL CONFORM TO THE REQUIREMENTS IN DIVISION 26.



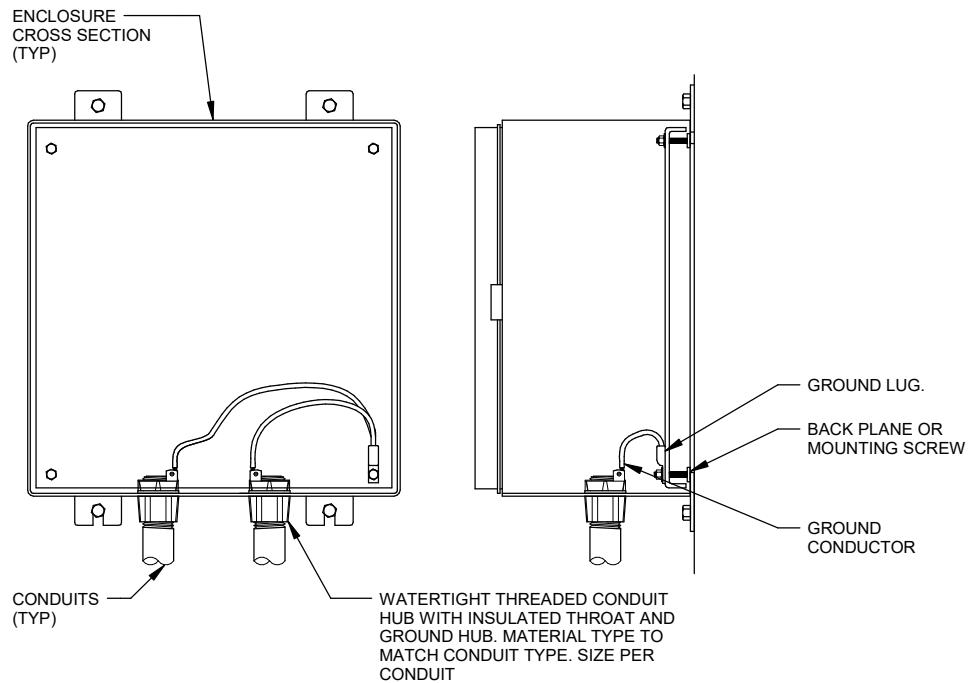
CITY OF MOORE
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MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		GROUND MOUNTED MAKEUP AIR UNIT DETAIL	DIVISION D23 SECTION - DETAIL NO. 8301-001

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. ALL SERVICE, FEEDER AND CONTROL CONDUITS SHALL BE GROUNDED ON BOTH ENDS.



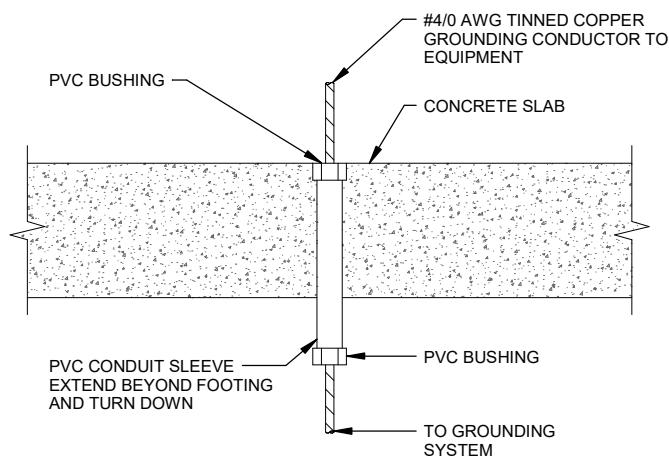
CITY OF MOORE
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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		CONDUIT GROUNDING DETAIL	DIVISION D26 SECTION - DETAIL NO. 0526-006

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. EXTEND PVC CONDUIT TO TOP OF BASE, OR PEDESTAL FOR BASE, FOR PEDESTAL MOUNTED EQUIPMENT. SUPPORT AT (2) PLACES(MIN).
2. SEAL ALL SLEEVES TO PREVENT WATER PENETRATION.



CITY OF MOORE
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MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

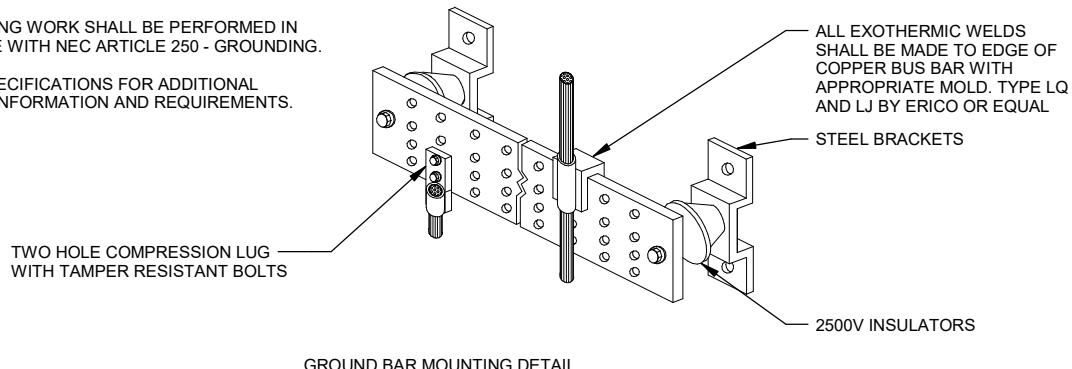
REV	DATE	DESCRIPTION	BY
		GROUNDING CONDUIT SLEEVE DETAIL	DIVISION D26 SECTION - DETAIL NO. 0526-009

DETAIL NOT TO SCALE

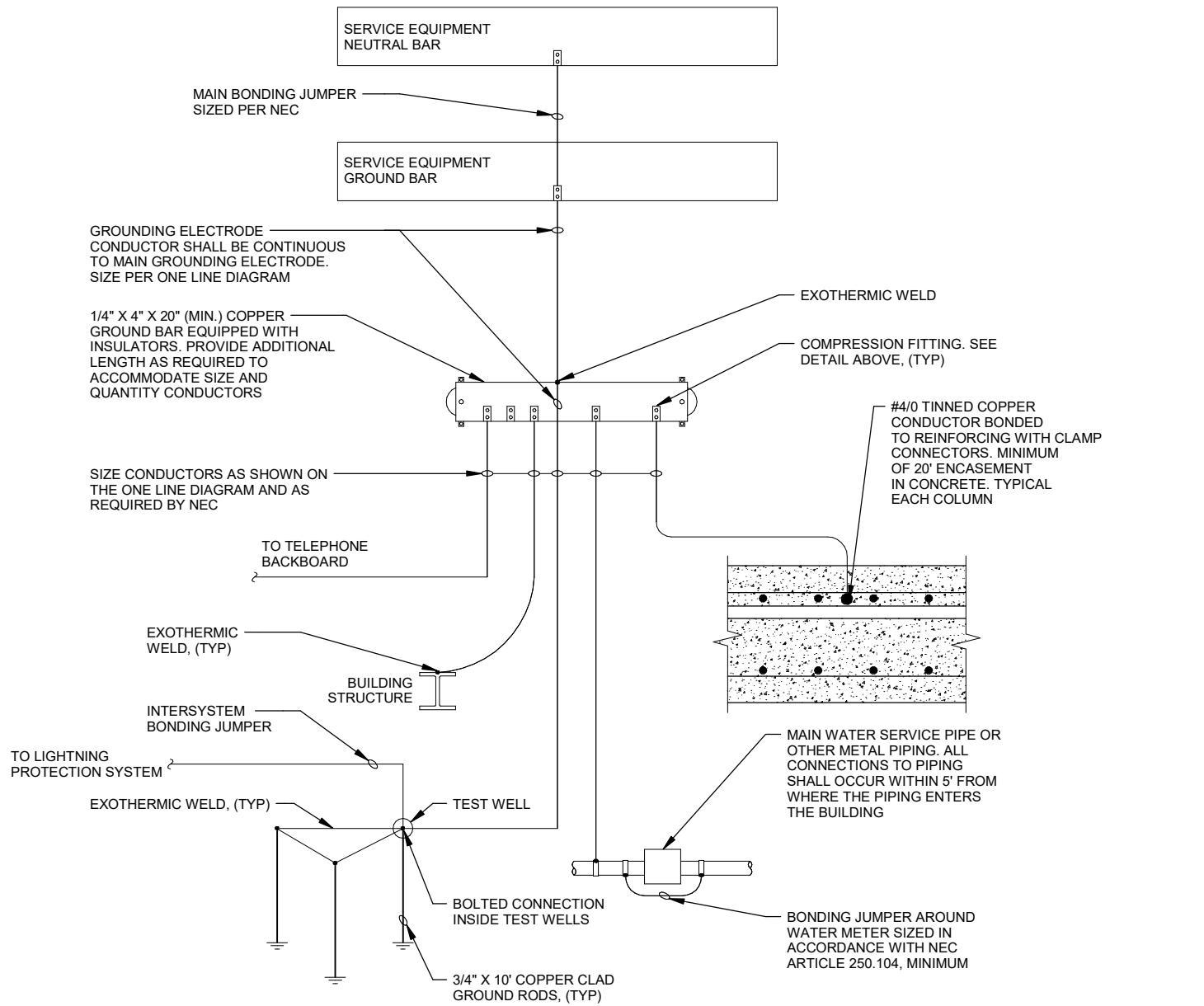
DATE: 02/06/2026

NOTES:

1. ALL GROUNDING WORK SHALL BE PERFORMED IN ACCORDANCE WITH NEC ARTICLE 250 - GROUNDING.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL GROUNDING INFORMATION AND REQUIREMENTS.



GROUND BAR MOUNTING DETAIL



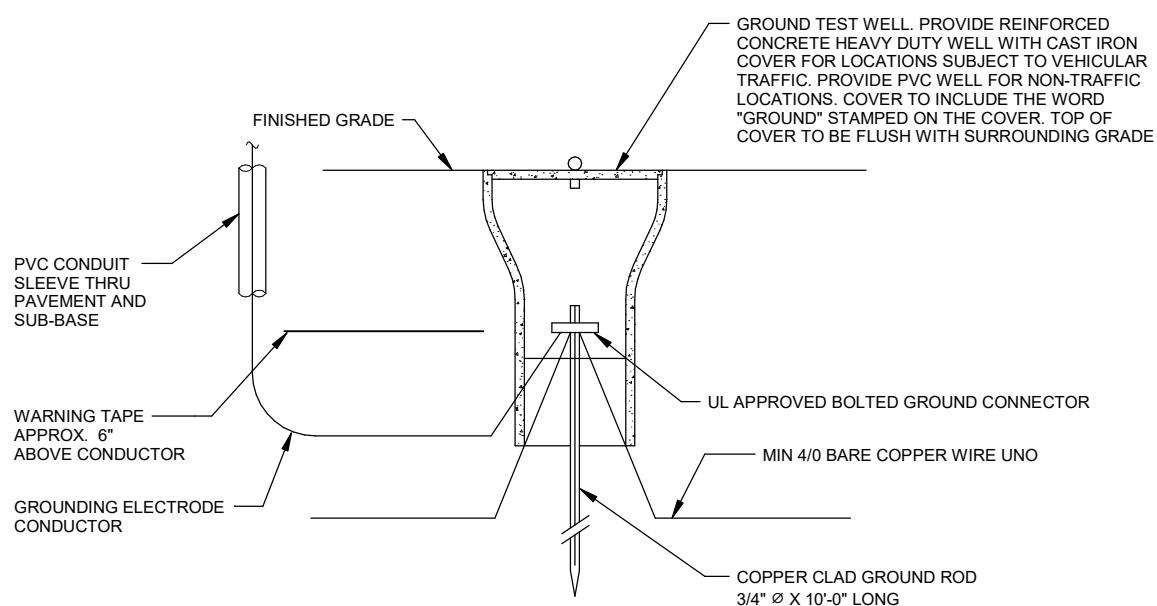
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		GROUND SYSTEM CONNECTION DETAIL	DIVISION D26 SECTION - DETAIL NO. 0526-012

DETAIL NOT TO SCALE

DATE: 02/06/2026



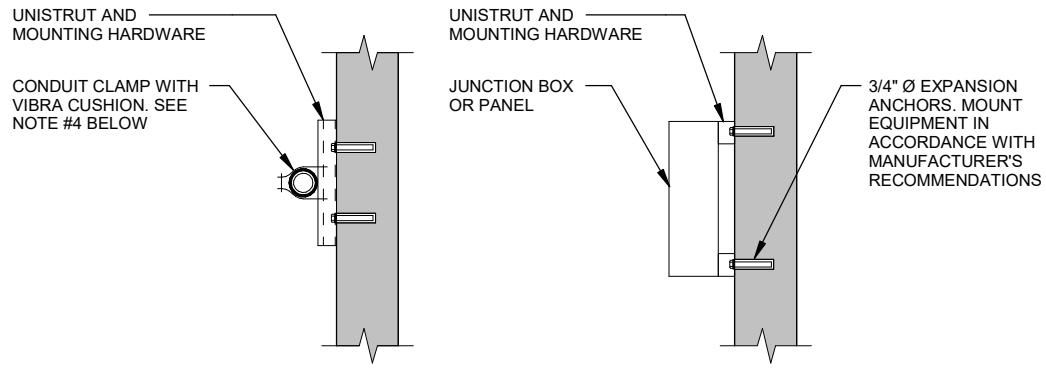
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL GROUND ROD WITH TEST WELL INSTALLATION	DIVISION D26 SECTION - DETAIL NO. 0526-013

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. UNISTRUT AND MOUNTING HARDWARE MATERIAL AS CALLED OUT IN ELECTRICAL PLAN SHEETS AND SPECIFICATIONS.
2. SINGLE CONDUIT SHOWN. SIMILAR FOR MULTIPLE CONDUITS.
3. SIMILAR FOR ALL ELECTRICAL ENCLOSURES AND PANELS.
4. VIBRA CUSHION ONLY REQUIRED WHERE NEEDED TO PREVENT METAL TO METAL CONTACT OF DISSIMILAR METAL TYPES OR WHERE EXCESSIVE VIBRATION MAY OCCUR.



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JOB NO.: 2202254/2501328/2500545

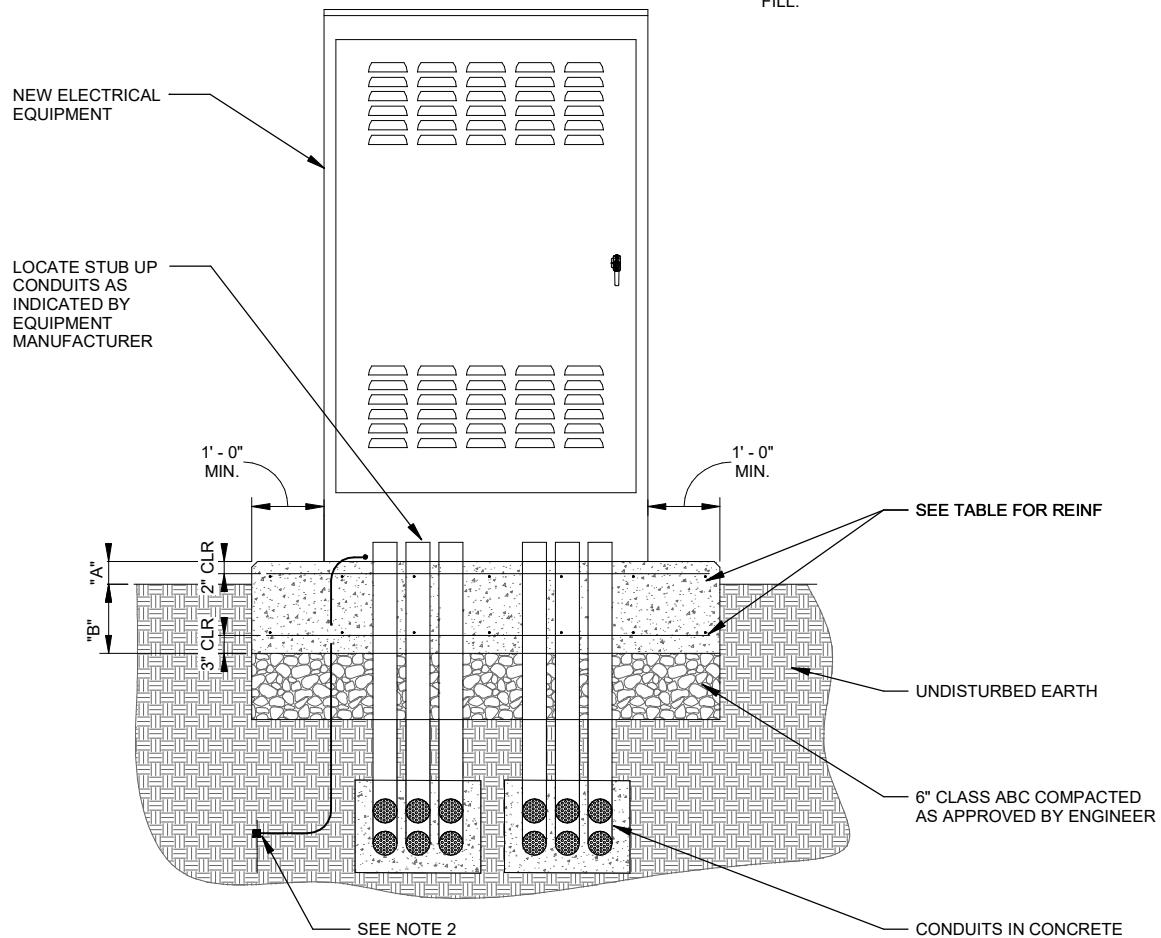
REV	DATE	DESCRIPTION	BY
		CONDUIT AND JUNCTION BOX SUPPORT DETAIL	DIVISION D26 SECTION - DETAIL NO. 0529-001

DETAIL NOT TO SCALE

DATE: 02/06/2026

NOTES:

1. ALL BOLTS, NUTS, WASHERS, ANCHORS, PLATES, AND OTHER MOUNTING STEMS SHALL BE CORROSION RESISTANT, STAINLESS STEEL.
2. BOND ELECTRICAL EQUIPMENT SUPPORT FRAME TO GROUND RING USING 1#2 AWG MINIMUM AND CLAMPING CONNECTION. SLEEVE PENETRATION.
3. PROVIDE 3' LANDING IN FRONT OF ENCLOSURE.
4. DISTURBED SOIL MUST BE REPLACED WITH COMPAKTED SUBGRADE OR COMPAKTED GRANULAR FILL.



	4"	5"	6"
8"	#4@6"	#6@12"	#7@12"
10"	#7@12"	#7@12"	#7@12"
12"	#7@12"	#7@12"	#7@12"
14"	#7@12"	#7@12"	#7@12"



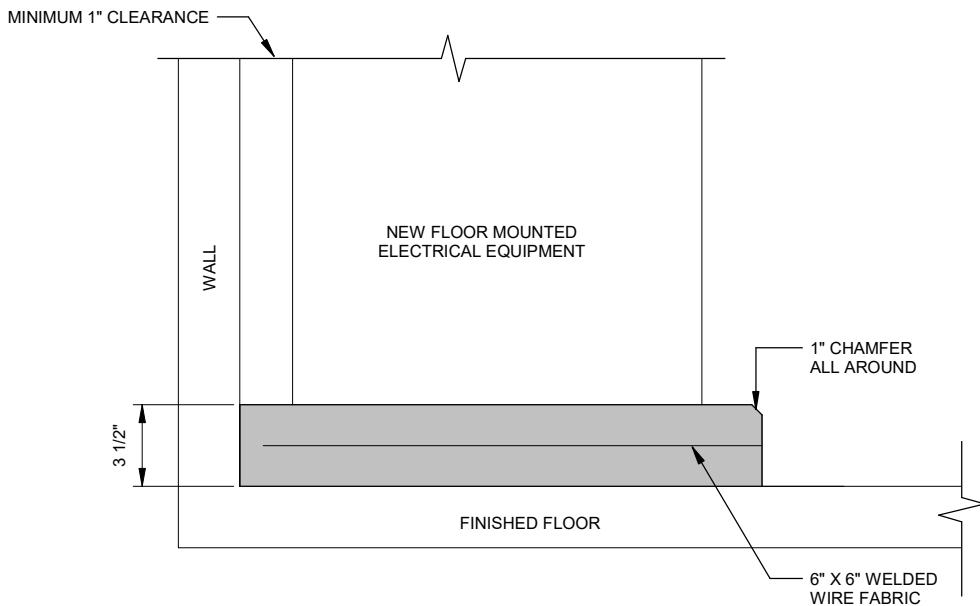
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL PAD MOUNTING ELECTRICAL EQUIPMENT DETAIL	DIVISION D26 SECTION - DETAIL NO. 0529-002

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. PROVIDE HOUSEKEEPING PADS FOR ALL NEW FLOOR-MOUNTED ELECTRICAL EQUIPMENT INCLUDING SWITCHES, PANELBOARDS, TRANSFORMERS, MOTOR CONTROL CENTERS, AND SWITCHGEAR.
2. INSTALL STAINLESS STEEL EXPANSION ANCHORS AND SECURE ALL EQUIPMENT TO PAD PER MANUFACTURER INSTRUCTIONS.
3. HOUSEKEEPING PADS SHALL BE POURED LEVEL AND FLAT. PROVIDE LEVELING PLATES UNDERNEATH EQUIPMENT AS REQUIRED.



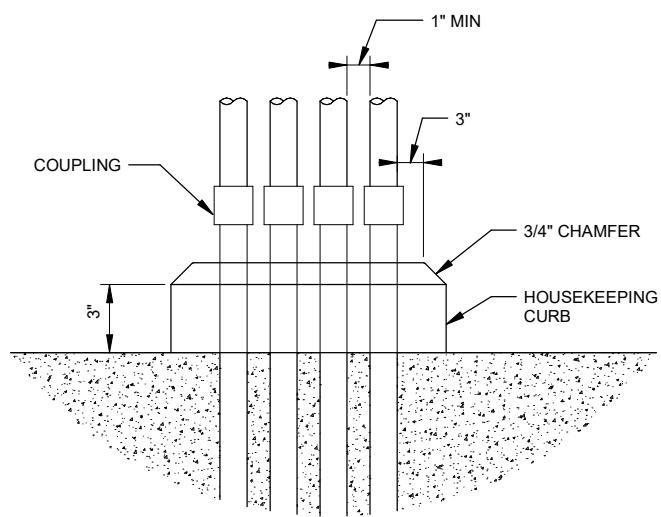
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		ELECTRICAL CONCRETE HOUSEKEEPING PAD DETAIL	DIVISION D26 SECTION - DETAIL NO. 0529-003

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTE:

1. HOUSEKEEPING CURB REQUIRED AT ALL INTERIOR WALL LOCATIONS FOR SINGLE AND MULTIPLE RISERS.



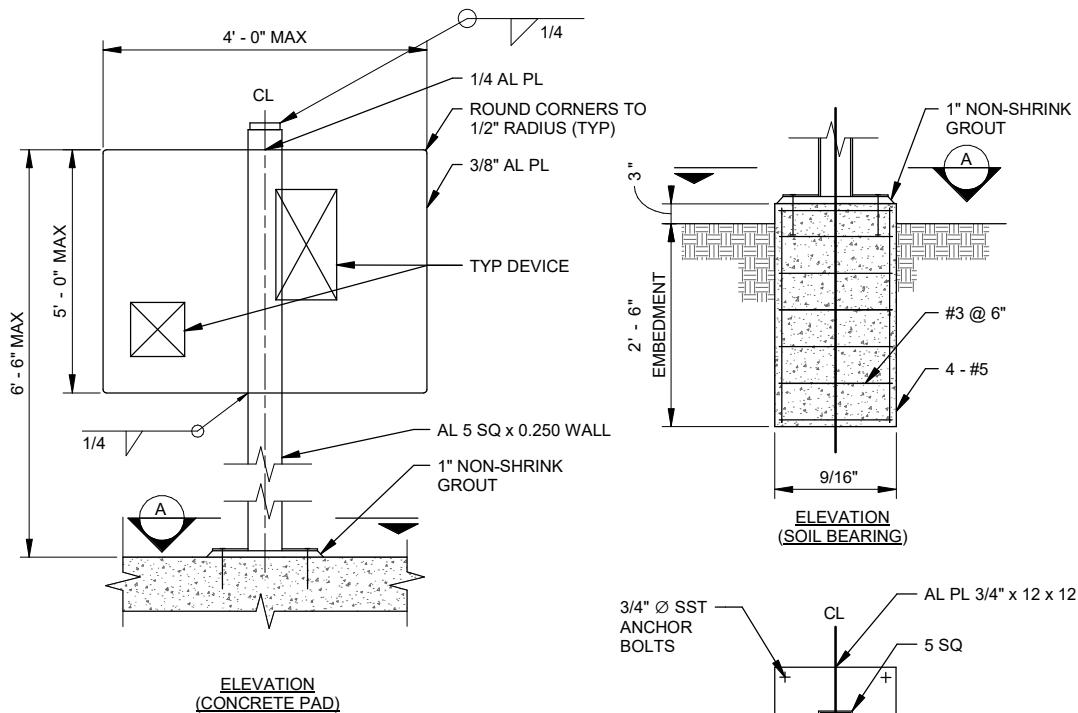
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		CONCRETE HOUSEKEEPING CURB DETAIL	DIVISION D26 SECTION - DETAIL NO. 0529-004

DETAIL NOT TO SCALE

DATE: 02/06/2026



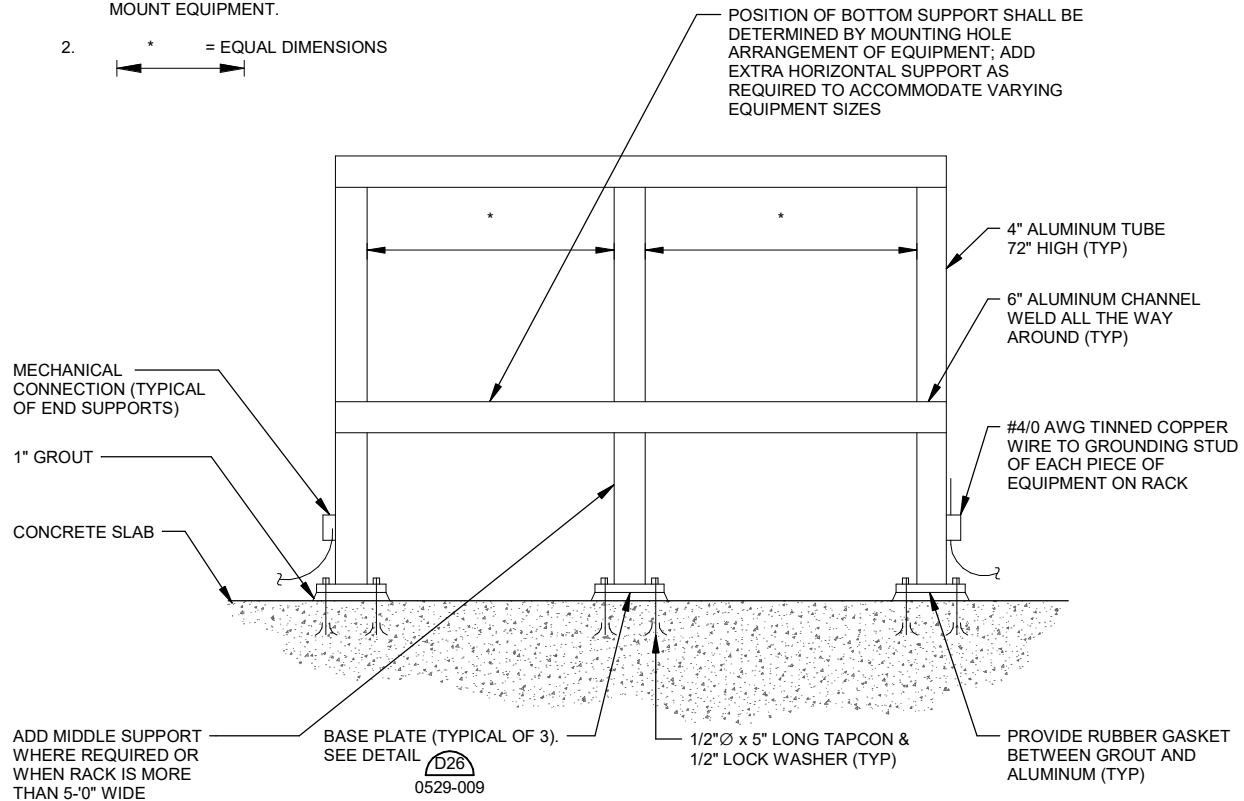
NOTE:

1. WHERE SEPARATE FOUNDATION IS REQUIRED,
SEE: 0529-011 0529-012
2. COAT ALUMINUM SURFACES IN CONTACT W/
CONCRETE PER SPECS.
3. USE STAINLESS STEEL FASTENERS FOR MOUNTING DEVICES.
4. WEIGHT OF DEVICE(S) SHALL NOT EXCEED 300 POUNDS.

REV	DATE	DESCRIPTION	BY
		DEVICE SUPPORT AND MOUNTING	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>DIVISION D26</p> <p>SECTION - DETAIL NO. 0529-007</p> </div> </div>

NOTE:

1. USE STAINLESS STEEL HARDWARE TO MOUNT EQUIPMENT.
2. * = EQUAL DIMENSIONS

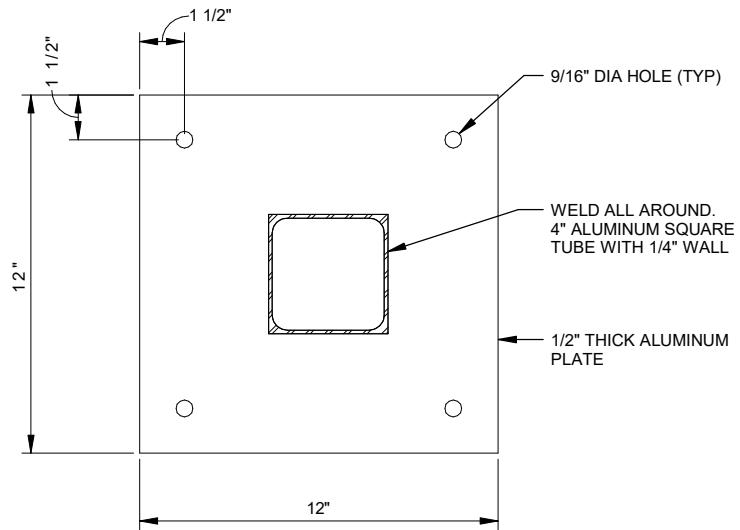


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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		HEAVY DUTY ELECTRICAL EQUIPMENT RACK DETAIL	DIVISION D26 SECTION - DETAIL NO. 0529-008 DATE: 02/06/2026

DETAIL NOT TO SCALE



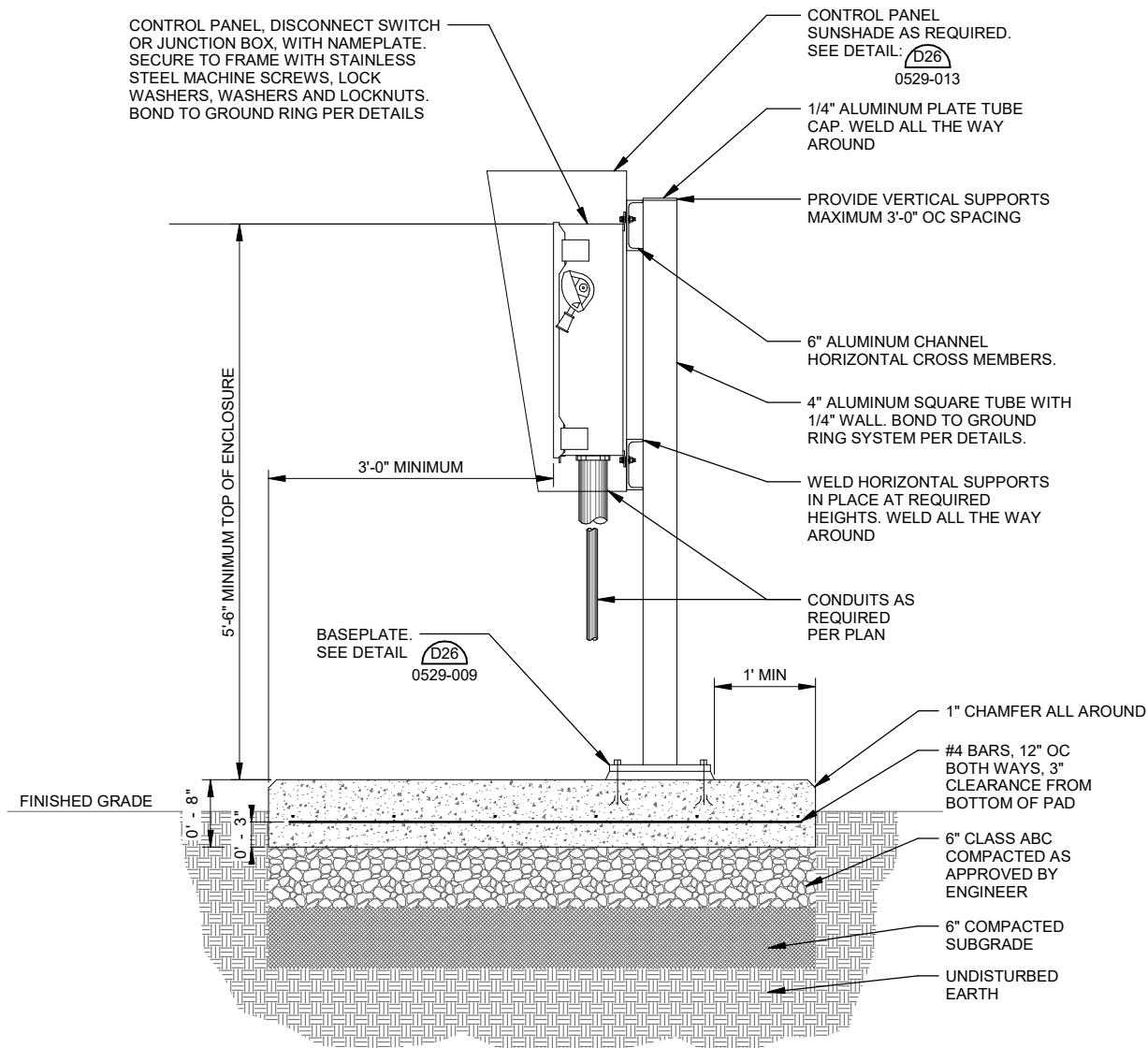
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL RACK BASEPLATE DETAIL	DIVISION D26 SECTION - DETAIL NO. 0529-009

DETAIL NOT TO SCALE

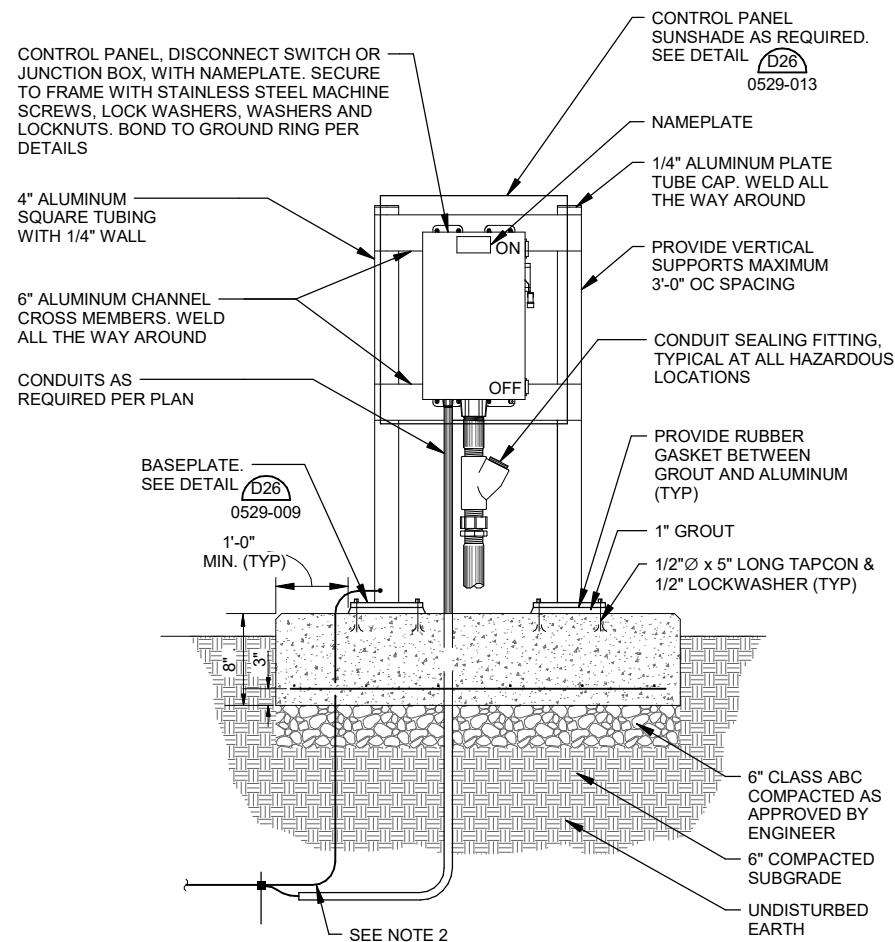
DATE: 02/06/2026



NOTES:

1. ALL BOLTS, NUTS, WASHERS, ANCHORS, PLATES, AND OTHER MOUNTING STEMS SHALL BE CORROSION RESISTANT, STAINLESS STEEL.
2. BOND ELECTRICAL EQUIPMENT SUPPORT FRAME TO COUNTERPOISE AND GROUND RINGS USING 1#2 AWG MINIMUM AND CLAMPING CONNECTION. SLEEVE PAD PENETRATION.
3. OMIT PAD WHERE NOT SHOWN.

REV	DATE	DESCRIPTION	BY
		TYPICAL ELECTRICAL EQUIPMENT MOUNTING DETAIL - SIDE VIEW	<div style="display: flex; justify-content: space-between;"> <div>DIVISION D26</div> <div>SECTION - DETAIL NO. 0529-011</div> </div>



NOTES:

1. ALL BOLTS, NUTS, WASHERS, ANCHORS, PLATES, AND OTHER MOUNTING STEMS SHALL BE CORROSION RESISTANT, STAINLESS STEEL.
2. BOND ELECTRICAL EQUIPMENT SUPPORT FRAME TO COUNTERPOISE AND GROUND RINGS USING 1#2 AWG MINIMUM AND CLAMPING CONNECTION. SLEEVE PAD PENETRATION.
3. OMIT PAD WHERE NOT SHOWN.



CITY OF MOORE
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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

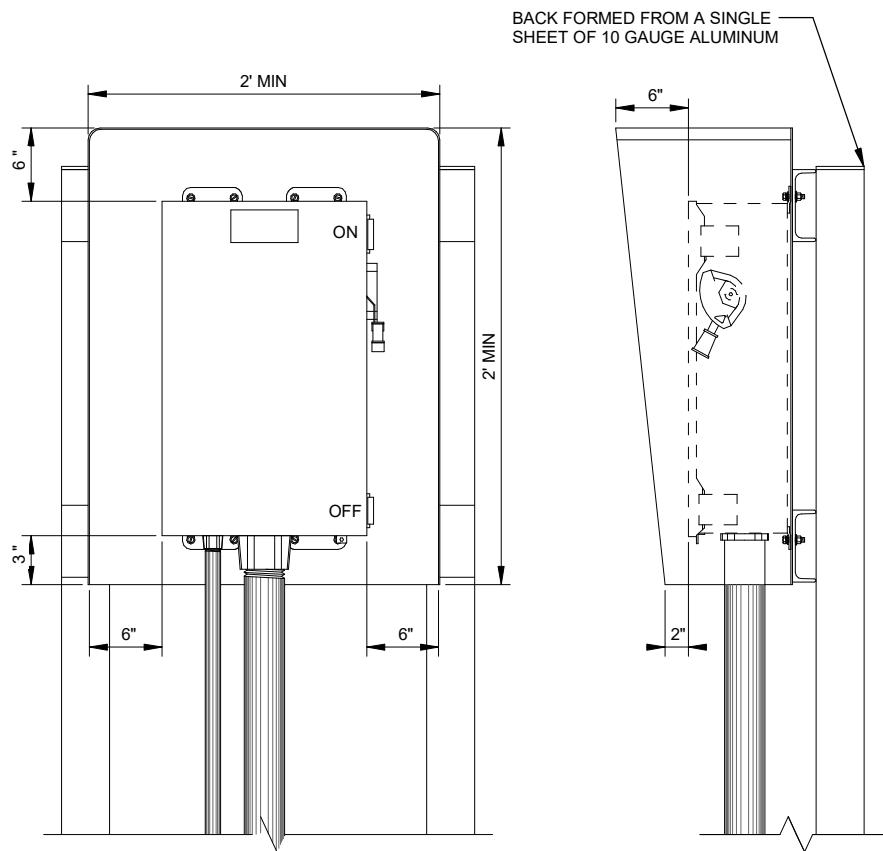
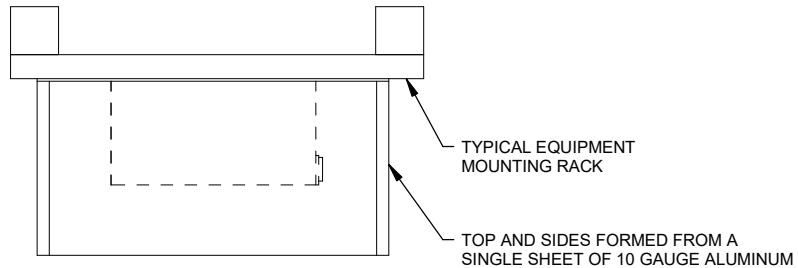
REV	DATE	DESCRIPTION	BY
		TYPICAL ELECTRICAL EQUIPMENT MOUNTING DETAIL- FRONT VIEW	DIVISION D26 SECTION - DETAIL NO. 0529-012 DATE: 02/06/2026

DETAIL NOT TO SCALE

DATE: 02/06/2026

NOTES:

1. ALL EXPOSED EDGES TO BE GROUND SMOOTH AND BURR FREE.
2. MOUNT HOOD BETWEEN INSTRUMENT AND MOUNTING BRACKET. DRILL HOLES IN HOOD AS PER MOUNTING HOLES FOR INSTRUMENTS.



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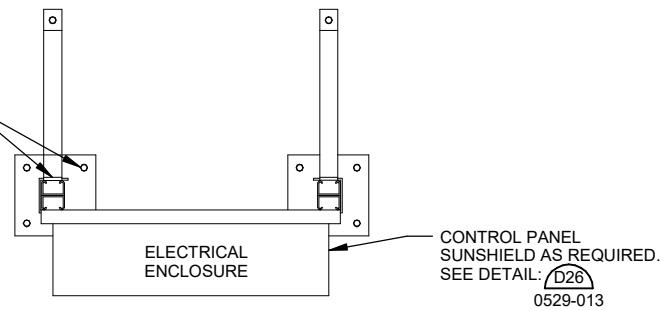
JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL SUN SHIELD FOR CONTROL PANEL AND INSTRUMENTS	DIVISION D26
			SECTION - DETAIL NO. 0529-013

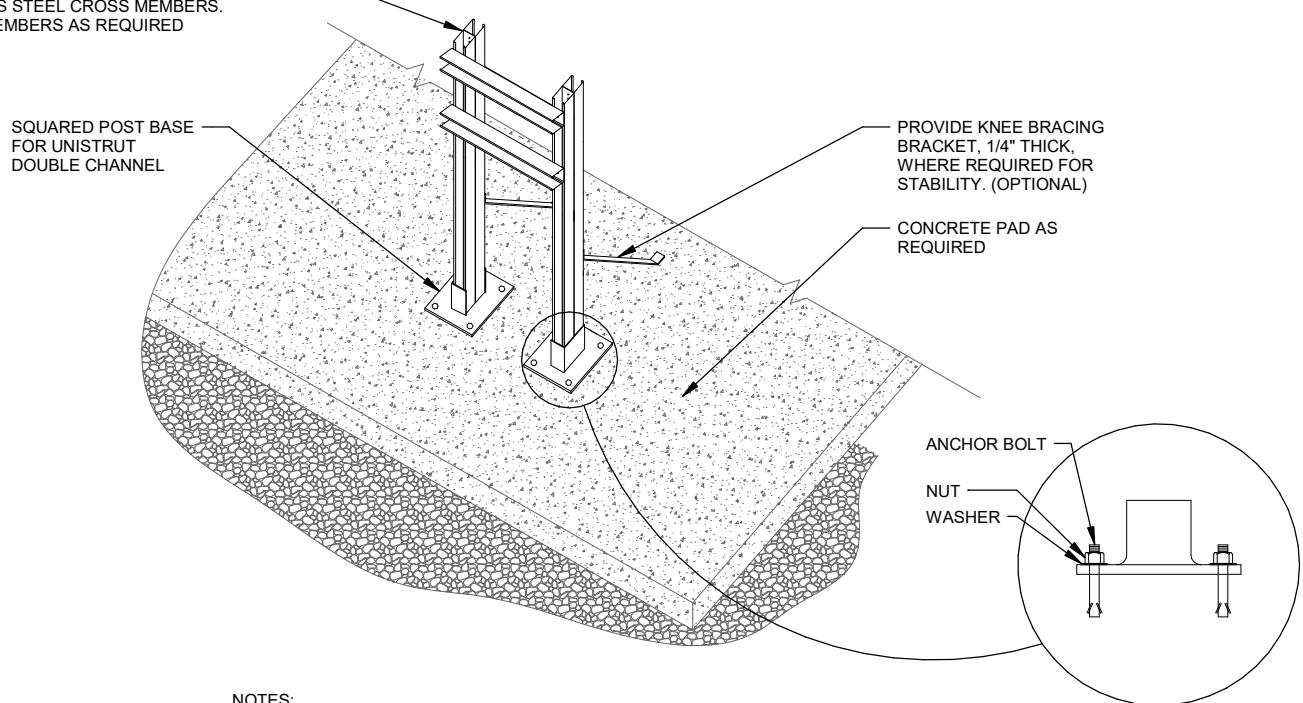
DETAIL NOT TO SCALE

DATE: 02/06/2026

STAINLESS STEEL MOUNTING BRACKET, FOUR HOLE, DOUBLE POST, SECURE TO FRAME WITH STAINLESS STEEL BOLTS, LOCK WASHERS, WASHERS AND LOCKNUTS, SECURE TO CONCRETE PAD WITH 4" MIN. STAINLESS STEEL WEDGE ANCHOR BOLTS (TYP)



DOUBLE BACKED 1-5/8" STAINLESS STEEL UNISTRUT FRAME AND SINGLE 1-5/8" STAINLESS STEEL CROSS MEMBERS. CROSS MEMBERS AS REQUIRED



NOTES:

1. ALL BOLTS, NUTS, WASHERS, ANCHORS, PLATES, AND OTHER MOUNTING STEMS SHALL BE CORROSION RESISTANT, STAINLESS STEEL. CUT OFF EXCESS BOLT LENGTH.
2. UTILIZE 5/16" STAINLESS STEEL WEDGE ANCHORS AS REQUIRED. GROUT UNDERNEATH POST BASES TO FILL GAPS AS REQUIRED.
3. OMIT PAD WHERE NOT SHOWN.
4. UNISTRUT STAND DETAIL INTENDED FOR SMALL AND LIGHTWEIGHT EQUIPMENT MOUNTING APPLICATIONS. SUBMIT LOAD ANALYSIS CALCULATIONS FOR ENGINEERING APPROVAL IF UTILIZED FOR LOAD APPLICATIONS GREATER THAN 200 LBS.

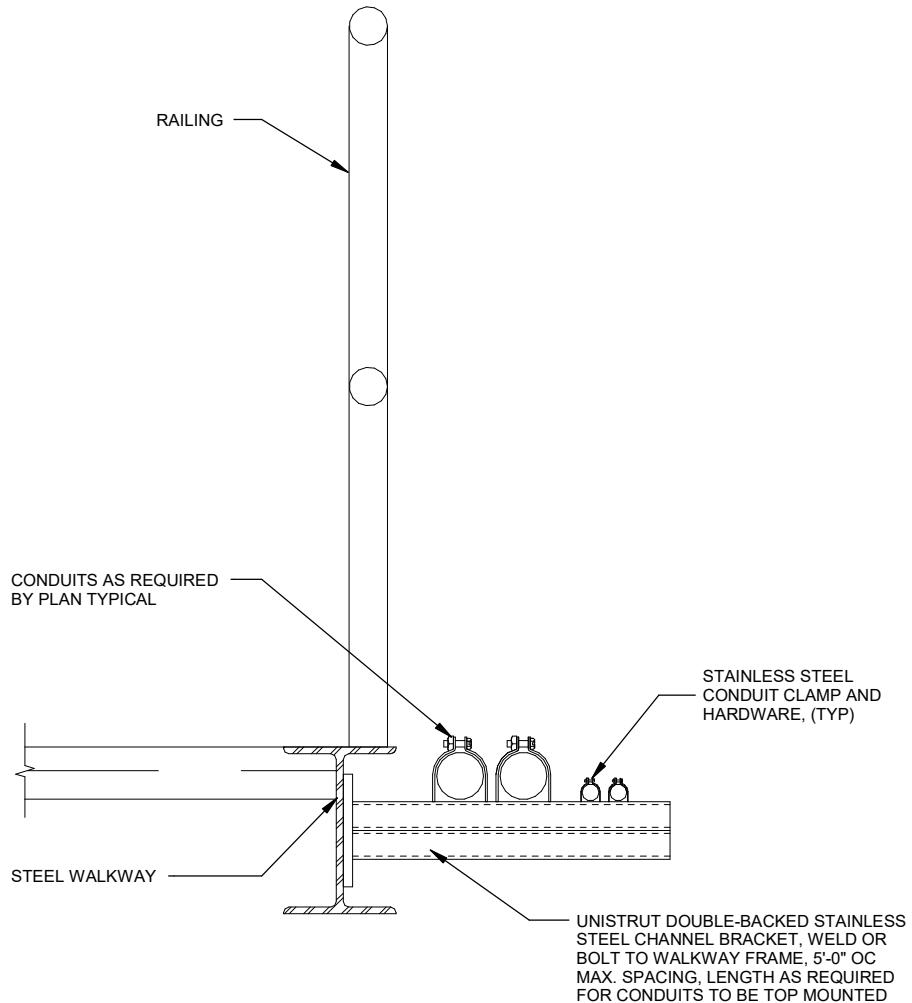


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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
			DIVISION D26
TYPICAL UNISTRUT STAND DETAIL			SECTION - DETAIL NO. 0529-014
			DATE: 02/06/2026

DETAIL NOT TO SCALE



NOTES:

1. WALKWAY AND RAILING IS TYPICAL AND FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY WITH STRUCTURAL PLANS AND SECTIONS BEFORE INSTALLING ANY CONDUIT OR ELECTRICAL EQUIPMENT AND ADJUST ACCORDINGLY.



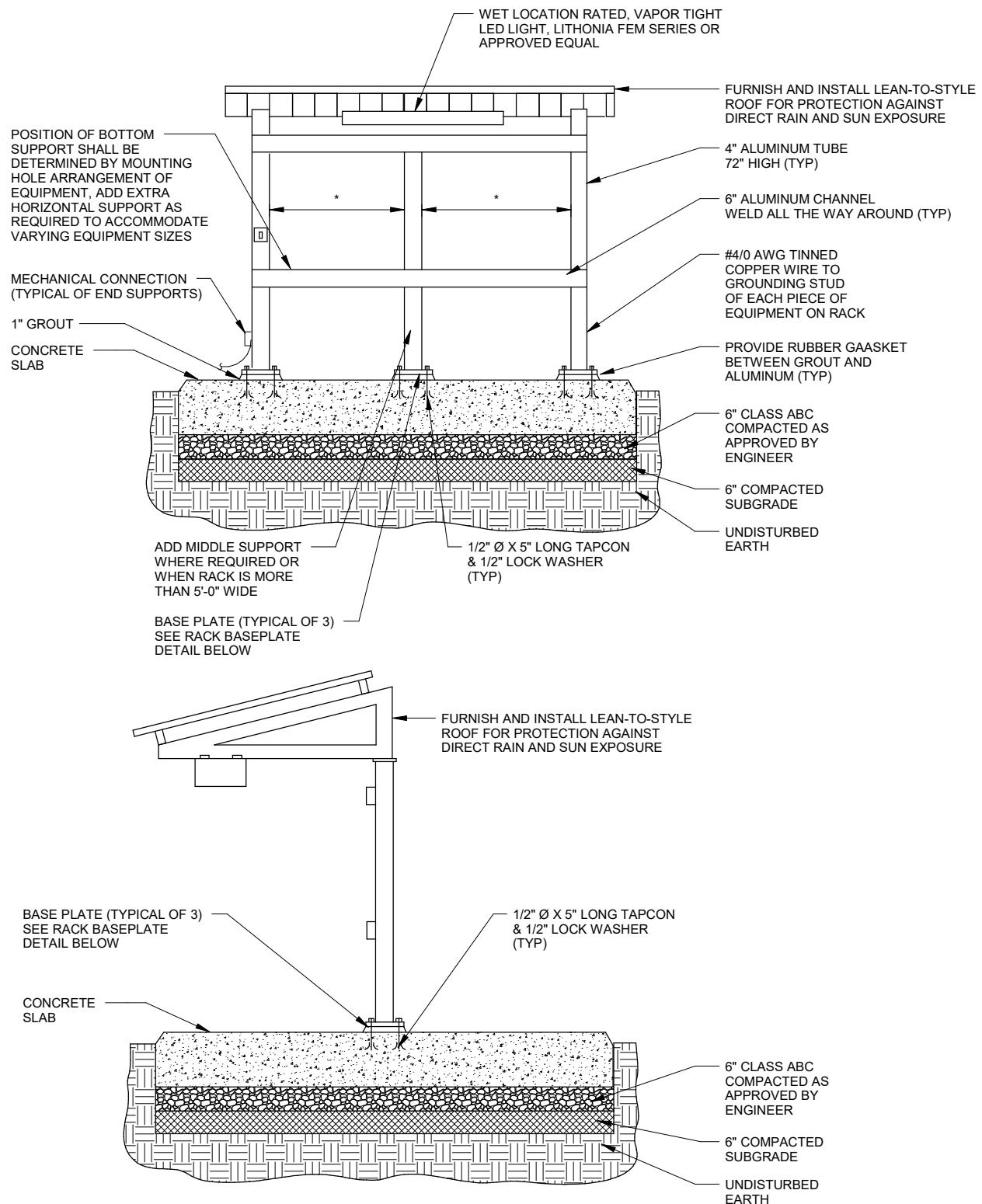
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL CONDUIT INSTALLATION AT WALKWAY DETAIL	DIVISION D26
			SECTION - DETAIL NO. 0529-016

DETAIL NOT TO SCALE

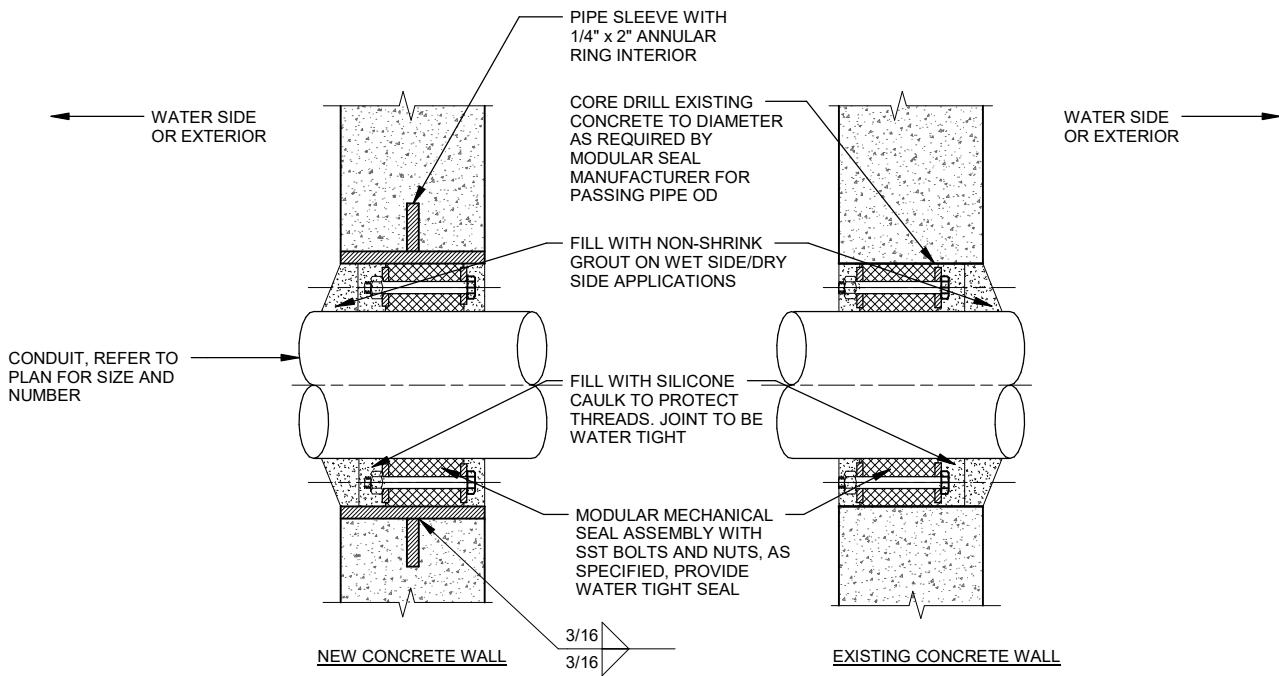
DATE: 02/06/2026



NOTE:

1. USE STAINLESS STEEL HARDWARE TO MOUNT EQUIPMENT.
2.  = EQUAL DIMENSIONS

REV	DATE	DESCRIPTION	BY
		HEAVY DUTY ELECTRICAL EQUIPMENT RACK W/ CANOPY DETAIL	<div style="display: flex; justify-content: space-between;"> <div>DIVISION D26</div> <div>SECTION - DETAIL NO. 0529-023</div> </div>



NOTES:

1. WHERE EXISTING CONCRETE STRUCTURE IS TO BE CORE DRILLED, THE CONTRACTOR SHALL ULTRASONIC TEST OR X-RAY THE AREA FOR EMBEDDED ITEMS BEFORE CORE DRILLING CAN PROCEED. IF EMBEDDED ITEMS ARE FOUND, NOTIFY THE ENGINEER IMMEDIATELY.
2. FOR NEW CONSTRUCTION, SLEEVES SHALL BE CAST INTO WALL. BLOCKOUTS AND SUBSEQUENT GROUTED IN SLEEVES WILL NOT BE PERMITTED UNLESS A KEYED WATERSTOP JOINT IS PROVIDED.
3. 6" DIAMETER SLEEVES AND SMALLER SHALL BE SCHEDULE 40 STEEL PIPE.
4. SLEEVES LARGER THAN 6" DIAMETER SHALL BE 1/4" THICK STEEL PIPE.
5. IN WALLS THICKER THAN 12", LINK SEAL SHALL BE INSTALLED AT BOTH ENDS OF THE WALL SLEEVE.
6. SLEEVE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.



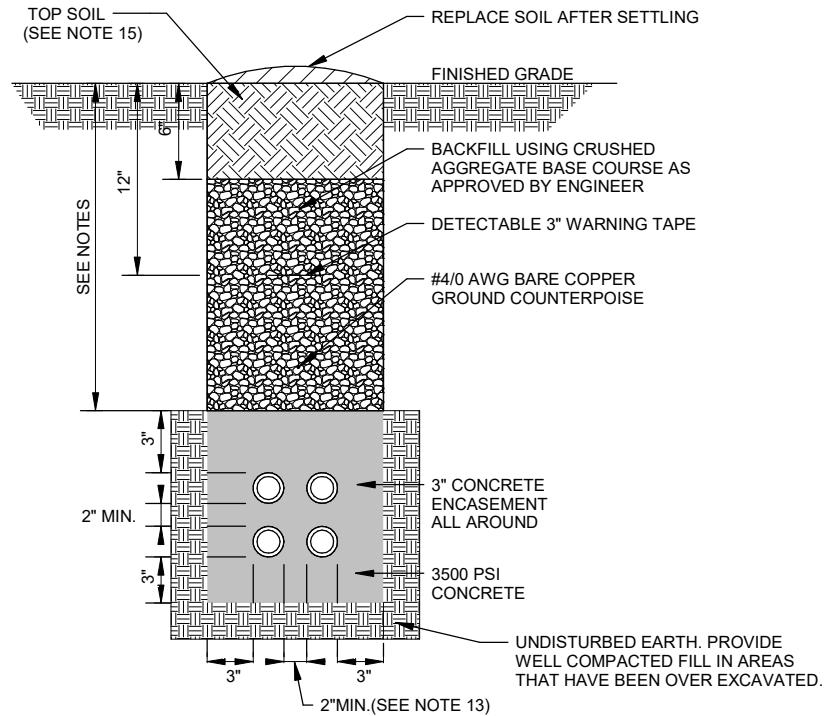
CITY OF MOORE
MOORE, OK
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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		CONDUIT WALL PENETRATION SEAL DETAIL	DIVISION D26 SECTION - DETAIL NO. 0533-017

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. CONTRACTOR SHALL STAKE THE DUCT INSTALLATION IN PLAN AND ELEVATION FOR NEW ELECTRICAL DUCTS TO AVOID EXISTING UTILITIES, STAKING PLAN SHALL BE APPROVED BY OWNER AND ENGINEER PRIOR TO WORK.
2. CONTRACTOR SHALL ADJUST THE DEPTH OF THE ELECTRICAL DUCTS AS REQUIRED TO MAINTAIN THE MINIMUM COVER REQUIREMENT INDICATED AND AVOID EXISTING UTILITIES.
3. SIMILAR CONSTRUCTION FOR OTHER DUCT SIZES. SEE ELECTRICAL PLAN SHEETS FOR QUANTITY AND SIZES.
4. INSTALL DUCT CONDUIT SUPPORTS AT 5'-0" OC MAXIMUM SPACING. UTILIZE LOCKING COLLARS OR HOLD DOWN BARS WITH ANCHORS TO PREVENT DUCT FLOTATION. (TYPICAL ALL DUCTS).
5. OFFSETS AND BENDS OVER 10 DEGREES AND ELBOWS IN PVC CONDUIT RUNS SHALL BE GALVANIZED RIGID STEEL.
6. NO PVC SHALL EMERGE FROM THE GROUND OR CONCRETE SLAB OR ENCASEMENT, PVC SHALL CONVERT TO PVC COATED GALVANIZED RIGID STEEL CONDUIT PRIOR TO ITS EMERGENCE UNLESS NOTED OTHERWISE.
7. SPARE PVC COATED GALVANIZED RIGID STEEL CONDUITS SHALL STUB UP 6" ABOVE FINISHED GRADE OR CONCRETE PAD SURFACE AND BE CAPPED WATERTIGHT.
8. INSTALL GROUND RODS AT ENDS OF ELECTRICAL DUCT AND CONNECT TO GROUND RING.
9. INSTALL CONDUCTORS AND CABLES AS NOTED ON DRAWINGS. INSTALL PULL ROPE IN ALL SPARE DUCTS.
10. MINIMUM COVER REQUIREMENT FOR DUCT BANKS UNDER ROADS, DRIVEWAYS AND PARKING LOTS SHALL BE 24".
11. MINIMUM COVER REQUIREMENTS FOR ELECTRICAL SECONDARY SERVICE DUCT BANKS SHALL BE 30".
12. MINIMUM COVER REQUIREMENTS FOR MEDIUM VOLTAGE DUCT BANKS SHALL BE 36".
13. VERTICAL AND HORIZONTAL DISTANCES BETWEEN CONDUITS SHALL BE 3" MINIMUM FOR DUCTS CONTAINING CIRCUITS OVER 600 VOLTS.
14. DUCT BANKS TO EXTEND BELOW FLOOR SLABS.
15. FOR DUCT BANKS INSTALLED IN EXISTING ASPHALT OR CONCRETE DRIVES, COVER WITH MATCHING MATERIAL TYPE AND THICKNESS.

REV	DATE	DESCRIPTION	BY
		CONCRETE ENCASED ELECTRICAL DUCT DETAIL	DIVISION D26
			SECTION - DETAIL NO. 0543-012



NOTES:

1. POWER MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH RED BACKGROUND AND BLACK LETTERING.
2. COMMUNICATION MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH ORANGE BACKGROUND AND BLACK LETTERING, "TELEPHONE LINE" OR "FIBER OPTIC LINE" RESPECTIVELY.
3. TAPE SHALL BE DETECTABLE, DURABLE, HIGHLY VISIBLE, RESISTANT TO ELEMENTS, MEETING AND/OR EXCEEDING ALL INDUSTRY STANDARDS.



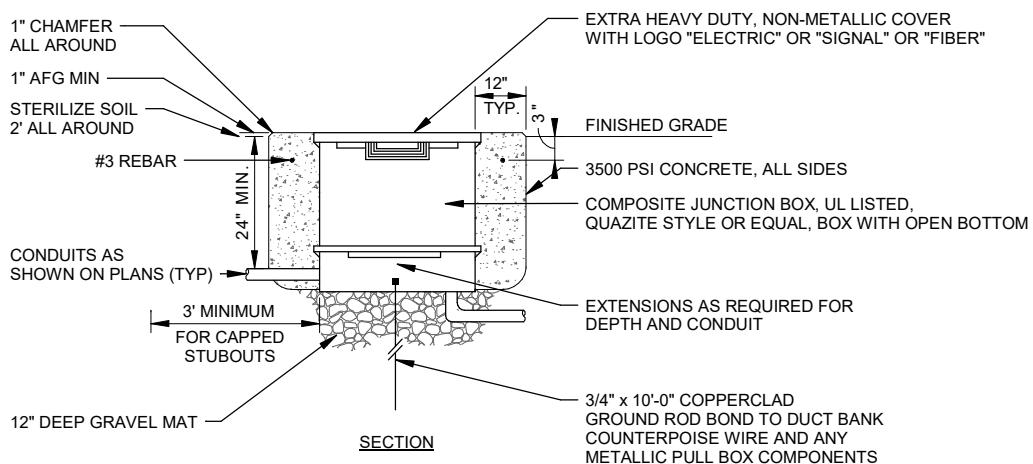
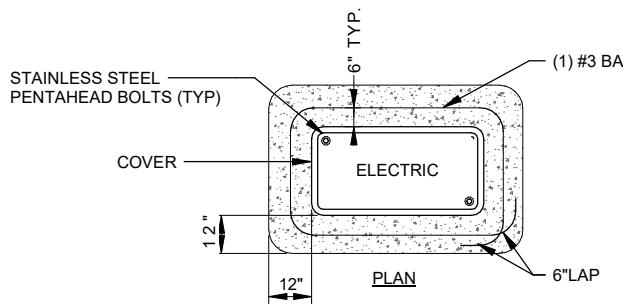
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		UNDERGROUND DETECTABLE WARNING TAPE DETAIL	DIVISION D26 SECTION - DETAIL NO. 0543-013

DETAIL NOT TO SCALE

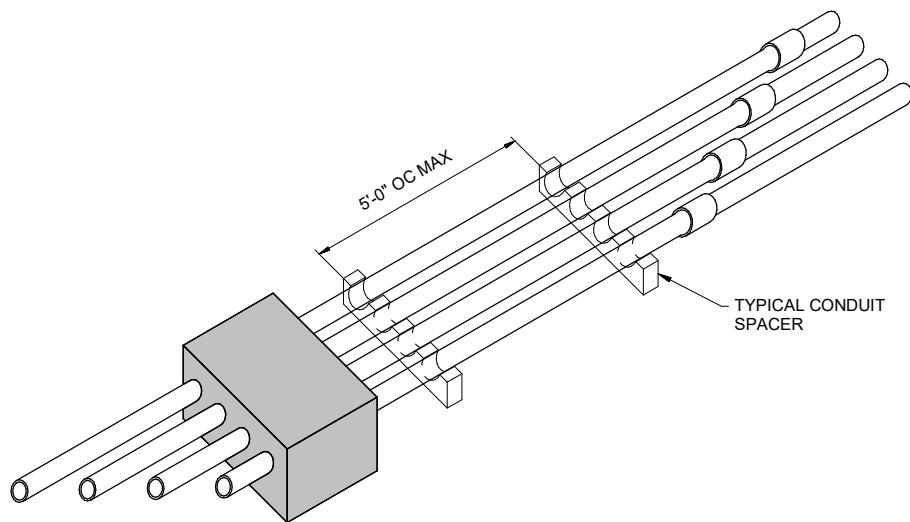
DATE: 02/06/2026



NOTES:

1. UNDERWRITERS LABORATORIES LISTED PULLBOX AND AN EXTRA HEAVY-DUTY COVER SHALL BE DESIGNED FOR A TEST LOAD OF 33,750 LBS AND A DESIGN LOAD OF 22,500 LBS.
2. PROVIDE PULLBOX WITH 2-2"C STUBOUTS IN EACH FACE, CAPPED WATERTIGHT.
3. PULLBOX INTERIOR DIMENSIONS SHALL BE 30"L x 17"W x 28"D OR AS REQUIRED FOR NUMBER OF CONDUITS.
4. PROVIDE MINIMUM 3' SLACK CABLE LOOP FOR EACH CABLE.
5. COLOR CODE, TAG AND IDENTIFY ALL CABLES IN UL LISTED PULLBOX.
6. EXACT LOCATION OF EACH UNDERWRITERS LABORATORIES LISTED PULLBOX SHALL BE APPROVED BY THE OWNER AND ENGINEER.

REV	DATE	DESCRIPTION	BY
		ELECTRICAL PULLBOX DETAIL	DIVISION D26 SECTION - DETAIL NO. 0543-014



NOTES:

1. CONDUIT SPACER TO BE 6" MIN FROM CONDUIT COUPLINGS.
2. TYPICAL DUCTBANK COUPLINGS SHALL BE SPACED AT 6" MIN. INTERVALS.



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IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL DUCTBANK SPACING AND COUPLNG DETAIL	DIVISION D26 SECTION - DETAIL NO. 0543-015

DETAIL NOT TO SCALE

DATE: 02/06/2026

EQUIPMENT NAMEPLATE
PER DETAIL AND NEC

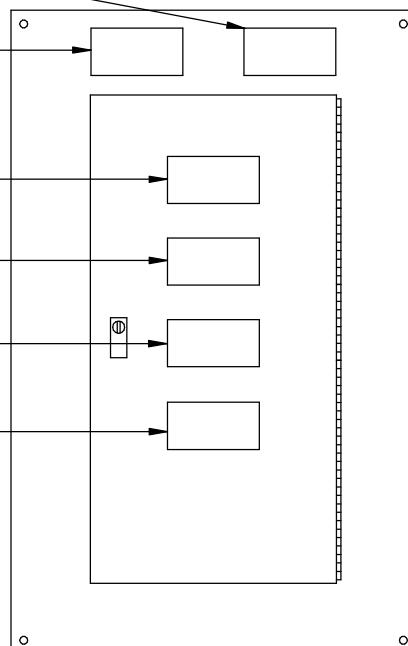
CONDUCTOR COLOR CODING
IDENTIFICATION NAMEPLATE PER NEC
ARTICLES 200.6, 210.5 AND 215.12; VERIFY
IDENTIFICATION SCHEME WITH AHJ AND
ENGINEER

ARC FLASH BOUNDARY, SHOCK
HAZARD, AND PPE REQUIREMENT
WARNING SIGN PER NEC AND NFPA 70E

ARC FLASH HAZARD WARNING
SIGN PER NEC ARTICLE 110.16
AND NFPA 70E

AVAILABLE FAULT CURRENT SIGN
INCLUDING DATE CALCULATED PER
NEC ARTICLE 110.24

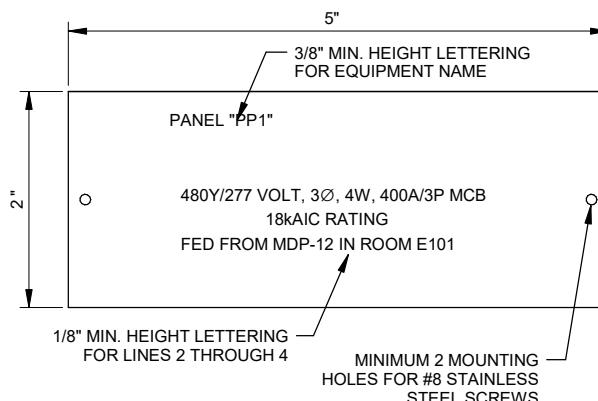
BY VOLTAGE SYSTEM TYPE, WHEN
REQUIRED, PROVIDE HIGH-LEG
IDENTIFICATION SIGN OR
UNGROUNDED SYSTEM SIGN BY NEC
ARTICLE 408.3(F)



NOTE:

1. INSTALL ALL NAMEPLATES AND WARNING SIGNS IN ACCORDANCE WITH NEC AND NFPA 70E REQUIREMENTS.
2. INSTALL NAMEPLATES AND WARNING SIGNS ON ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, SWITCHES, CONTROL PANELS AND MOTOR CONTROL CENTERS.
3. EXTERIOR EQUIPMENT SHALL HAVE WEATHER-RESISTANT, NON-FADING NAMEPLATES AND SIGNAGE.
4. INSTALL CIRCUIT DIRECTORY AND/OR CIRCUIT IDENTIFICATION FOR PROPER FIELD IDENTIFICATION.
5. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

PANEL FRONT VIEW



EQUIPMENT NAMEPLATE NOTES:

1. INSTALL 2-PLEX ACRYLIC, WHITE ON BLACK CORE, 5"x2" TILE, TEXT LINES AS INDICATED, CUSTOM ENGRAVED NAME PLATES.
2. MOUNT WITH STAINLESS STEEL SCREWS.
3. SEAL SCREW HOLES WITH SILICONE RUBBER.
4. NAMEPLATE INFORMATION SHALL INCLUDE:
 - A. IDENTIFICATION NAME.
 - B. VOLTAGE SYSTEM, AND AMPACITY RATING AND TYPE.
 - C. EQUIPMENT AIC RATING.
 - D. FEEDER SOURCE OF SUPPLY DESCRIPTION.



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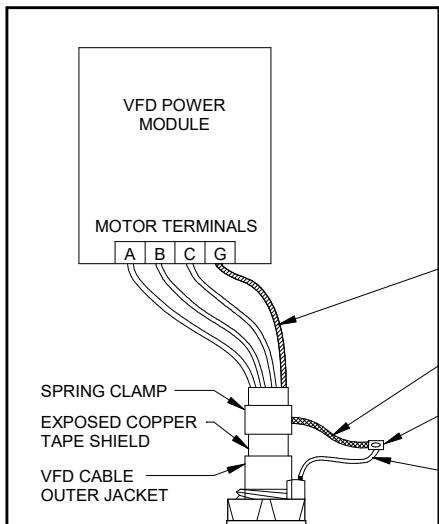
JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL ENGRAVED NAMEPLATE DETAIL	DIVISION D26 SECTION - DETAIL NO. 0553-002

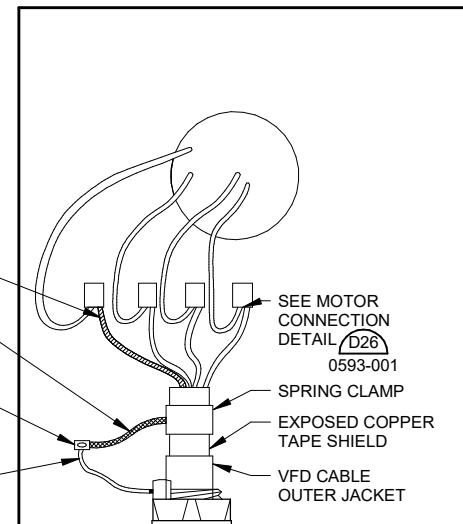
DETAIL NOT TO SCALE

DATE: 02/06/2026

VFD ENCLOSURE



MOTOR TERMINAL BOX



NOTE:

CONNECT VFD CABLE SHIELD ON BOTH VFD AND MOTOR ENDS USING MANUFACTURER PROVIDED SHIELD TERMINATION KIT. KIT TO INCLUDE TINNED COPPER BRAID AND SPRING CLAMP FOR ATTACHING BRAID TO COPPER TAPE SHIELD.



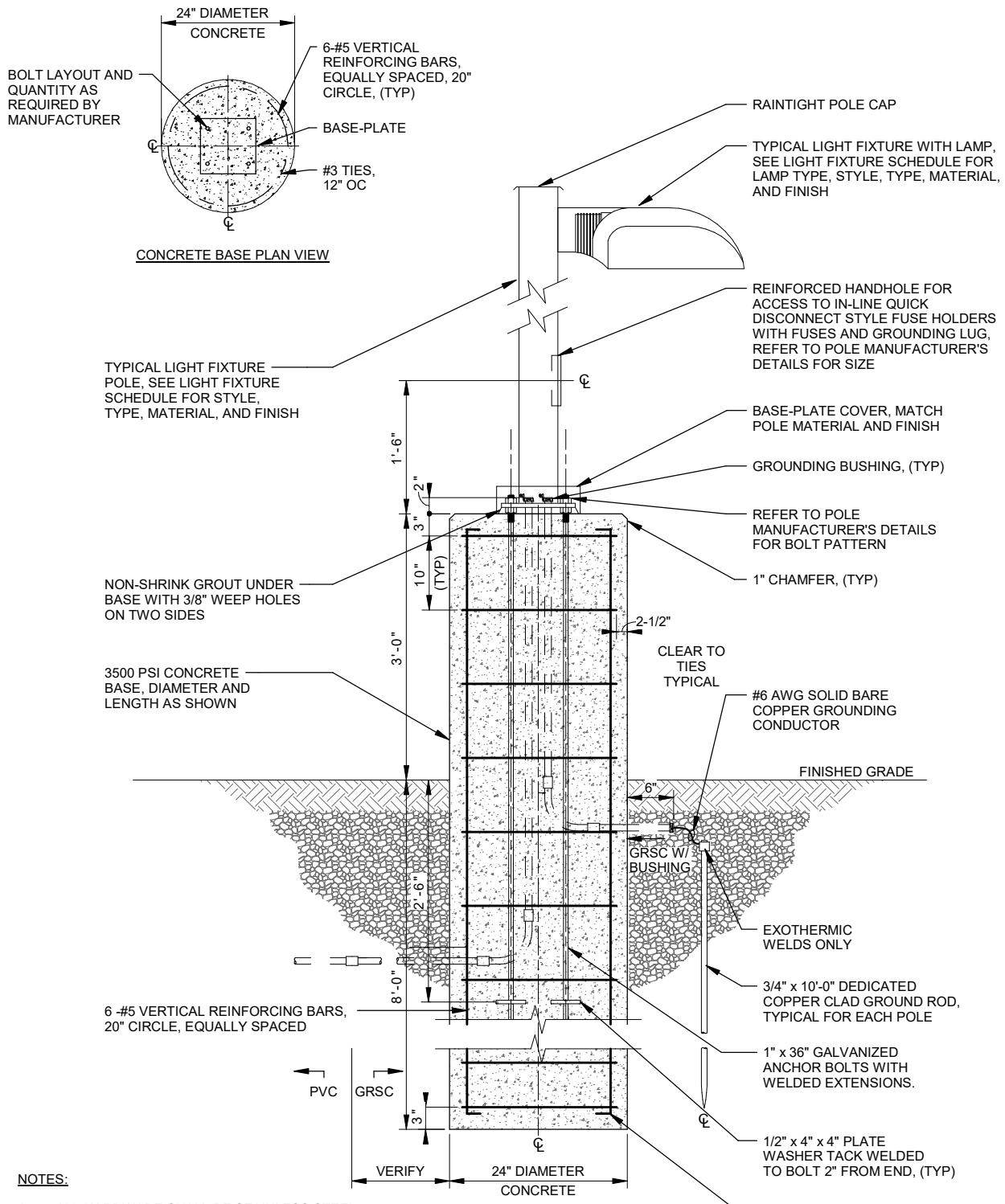
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		SHIELDED VFD CABLE TERMINATION DETAIL	DIVISION D26 SECTION - DETAIL NO. 0593-002

DETAIL NOT TO SCALE

DATE: 02/06/2026



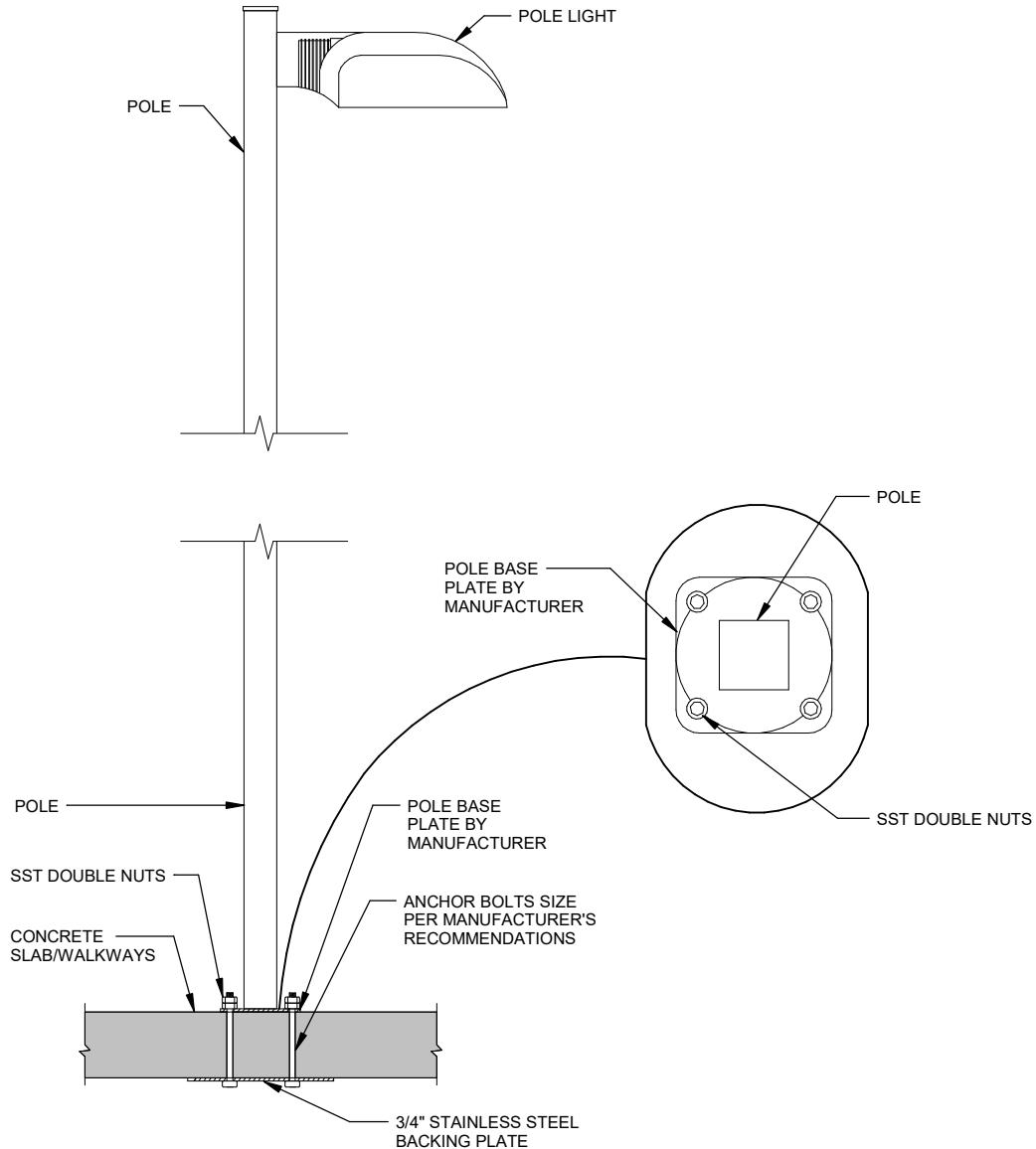
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL ELEVATED CONCRETE BASE DETAIL	<div style="display: flex; justify-content: space-between;"> <div>DIVISION D26</div> <div>SECTION - DETAIL NO. 5600-003</div> </div>

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. BACKING PLATE SHALL BE 6" LARGER IN ALL DIRECTIONS THAN THE BASE PLATE.
2. OMIT BACKING PLATES AND BRACKET LIGHT POLE TO TOP RAIL OF HANDRAIL WHEN INSTALLED DIRECTLY ABOVE SUPPORTING WALLS.
3. ALL HARDWARE SHALL BE STAINLESS STEEL.



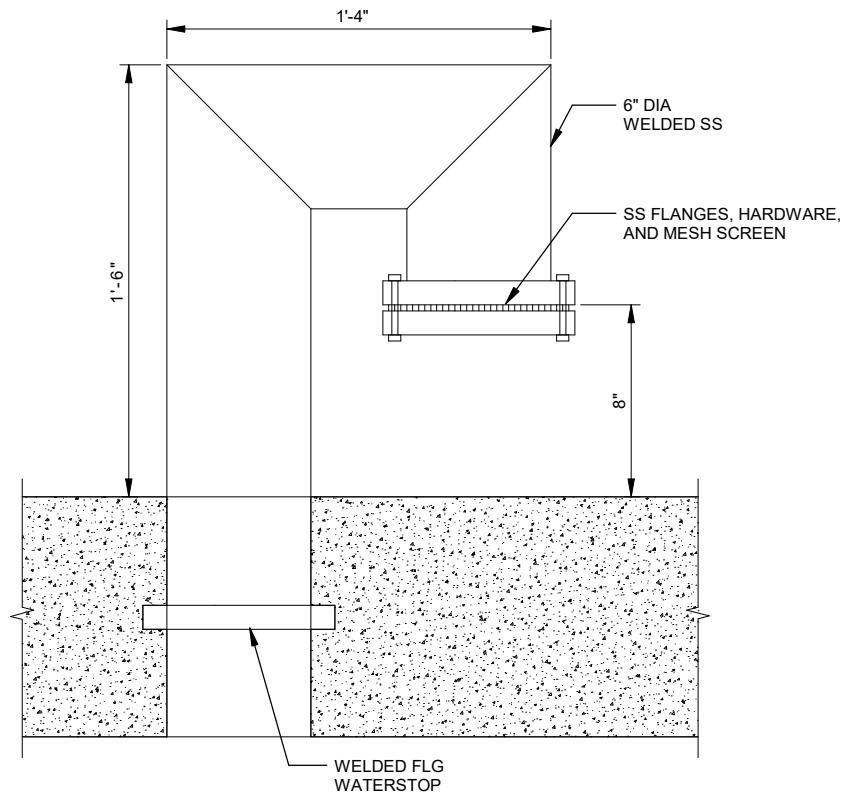
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		LIGHT POLE MOUNTING ON ELEVATED SLAB DETAIL	DIVISION D26 SECTION - DETAIL NO. 5600-007

DETAIL NOT TO SCALE

DATE: 02/06/2026



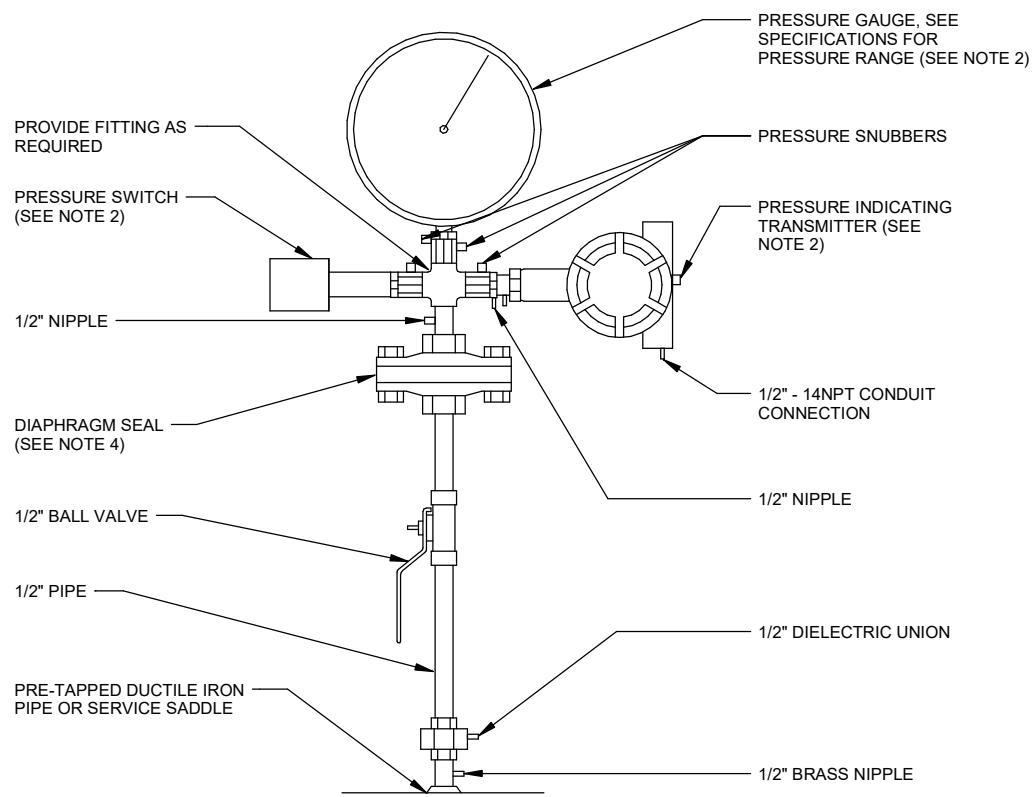
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		STAINLESS STEEL VENT	DIVISION D33 SECTION - DETAIL NO. 3923-001

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. ALL PIPING SHOWN IS 316 STAINLESS STEEL TYPE K UNLESS OTHERWISE NOTED.
2. PLUG BRANCH OF TEE IF NO PRESSURE TRANSMITTER, SWITCH, OR PRESSURE GAUGE IS REQUIRED AT LOCATION.
3. INSTALL GAUGE, TRANSMITTER, AND SWITCH AS SHOWN ON PLANS.
4. PROVIDE DIAPHRAGM ONLY WHERE SHOWN ON PROCESS AND INSTRUMENTATION DIAGRAMS.



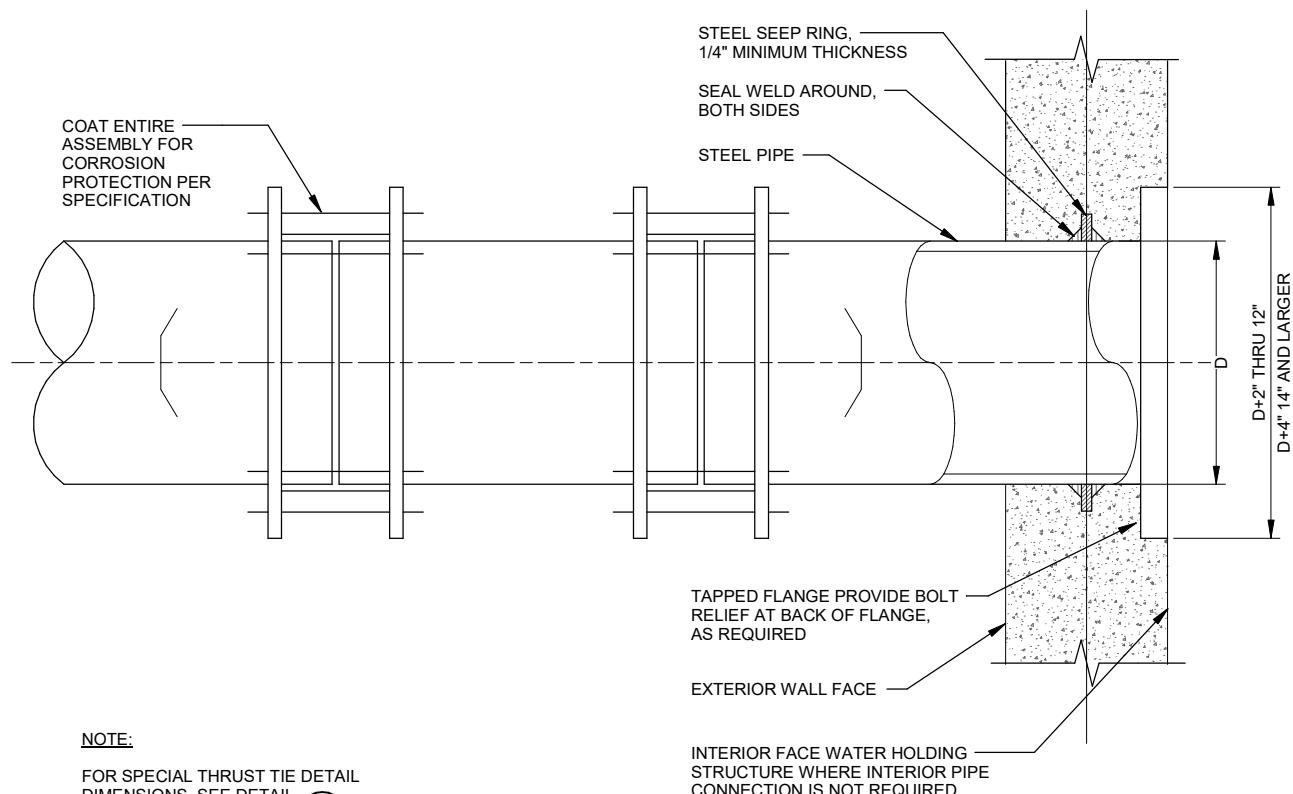
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		TYPICAL PRESSURE INDICATOR INSTALLATION	DIVISION D40 SECTION - DETAIL NO. 0513-007

DETAIL NOT TO SCALE

DATE: 02/06/2026



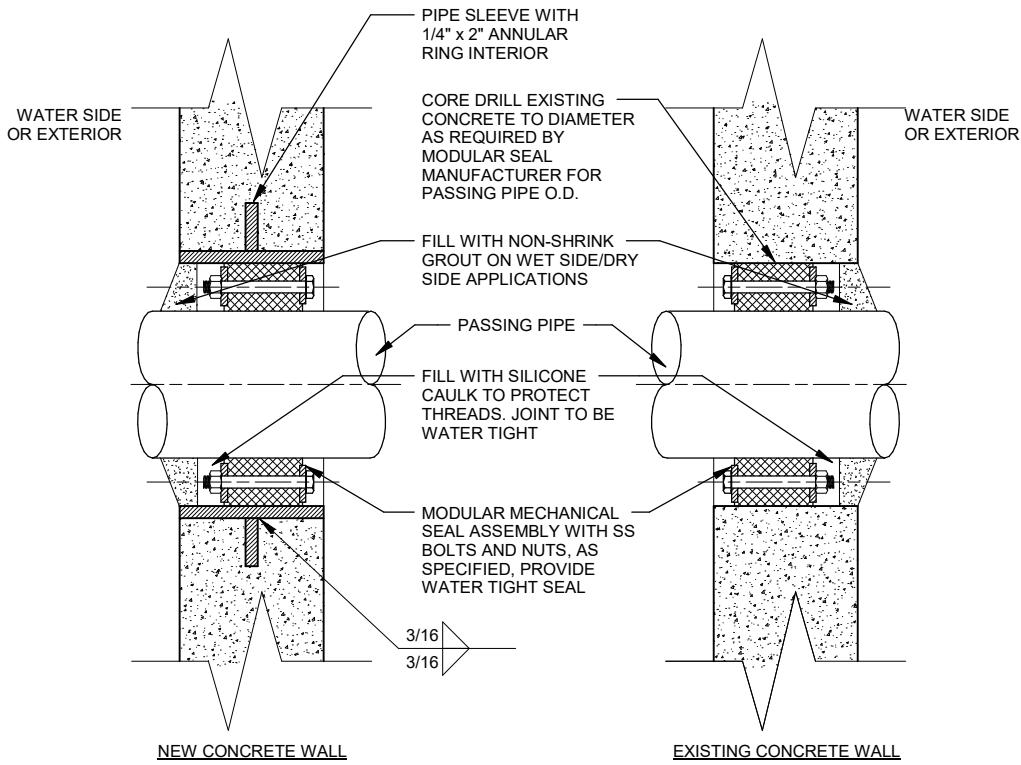
CITY OF MOORE
MOORE, OK
MOORE WWTP
IMPROVEMENTS

JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		WELDED STEEL PIPE - BURIED EXTERIOR	DIVISION D40 SECTION - DETAIL NO. 2339-002

DETAIL NOT TO SCALE

DATE: 02/06/2026



NOTES:

1. WHERE EXISTING CONCRETE STRUCTURE IS TO BE CORE DRILLED, THE CONTRACTOR SHALL ULTRASONIC TEST OR X-RAY THE AREA FOR EMBEDDED ITEMS BEFORE CORE DRILLING CAN PROCEED. IF EMBEDDED ITEMS ARE FOUND, NOTIFY THE ENGINEER IMMEDIATELY.
2. FOR NEW CONSTRUCTION, SLEEVES SHALL BE CAST INTO WALL. BLOCKOUTS AND SUBSEQUENT GROUTED IN SLEEVES WILL NOT BE PERMITTED UNLESS A KEYED WATERSTOP JOINT IS PROVIDED.
3. 6" DIAMETER SLEEVES AND SMALLER SHALL BE SCHEDULE 40 STEEL PIPE.
4. SLEEVES LARGER THAN 6" DIAMETER SHALL BE 1/4" THICK STEEL PIPE.
5. IN WALLS THICKER THAN 12", LINK SEAL SHALL BE INSTALLED AT BOTH ENDS OF THE WALL SLEEVE. SLEEVE DIAMETER SHALL BE PER LINK SEAL MANUFACTURER'S RECOMMENDATION.
6. SLEEVE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
7. FOR NEW CONCRETE STRUCTURE WHERE AN EXISTING PIPE WILL PENETRATE A NEW CONCRETE WALL, SLEEVES SHALL BE SPLIT WALL SLEEVES WELDED AROUND THE EXISTING PIPE AND POSITIONED IN THE FORM TO CENTER THE PIPE. SLEEVE DIAMETER AND THICKNESS SHALL BE PER MANUFACTURER'S RECOMMENDATION.



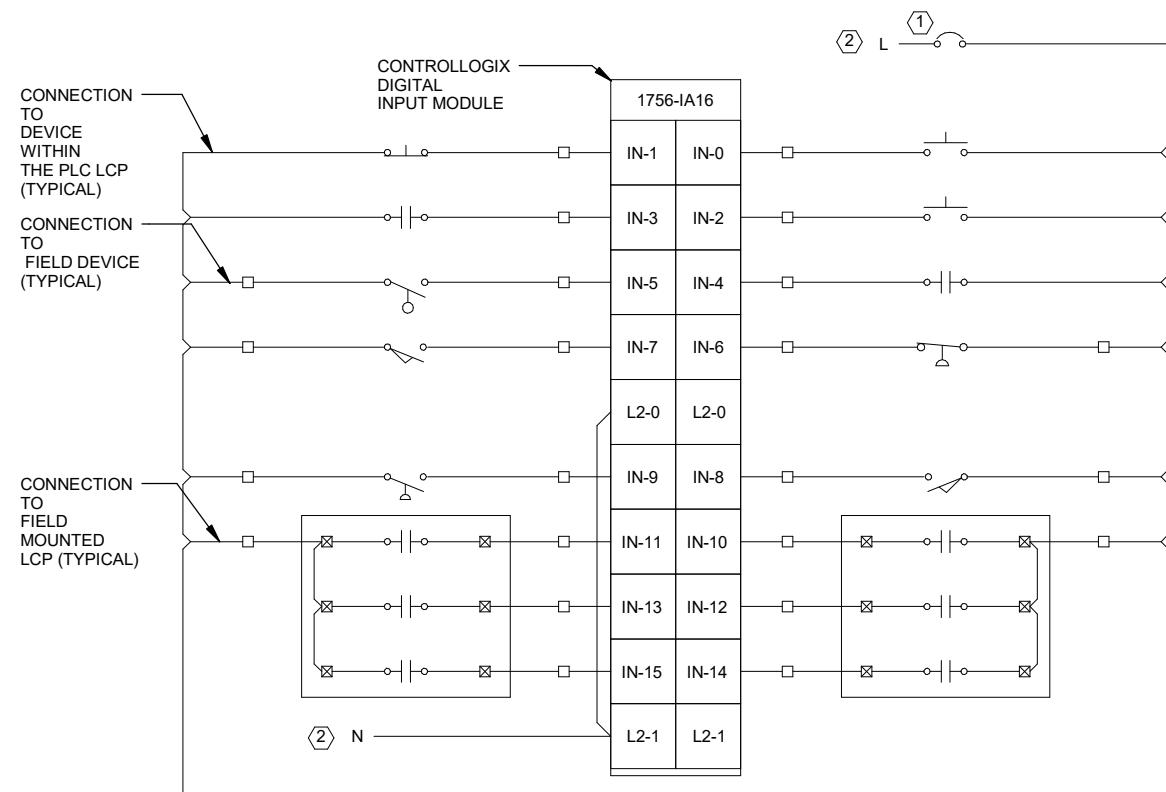
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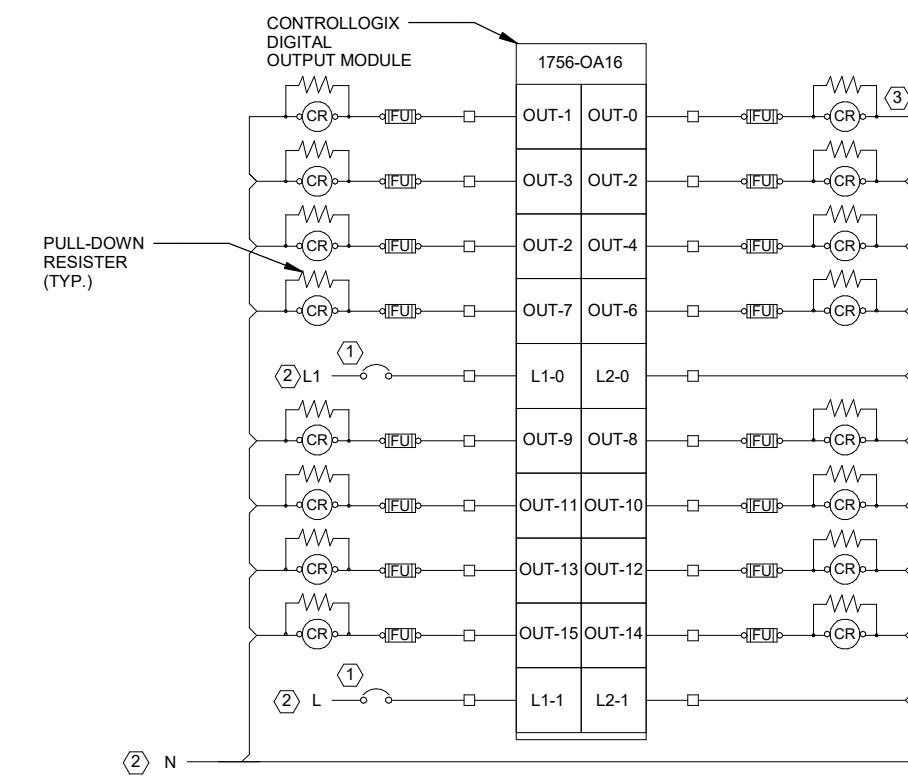
REV	DATE	DESCRIPTION	BY
		PIPE WALL PENETRATION SEAL	DIVISION D40 SECTION - DETAIL NO. 2400-001

DETAIL NOT TO SCALE

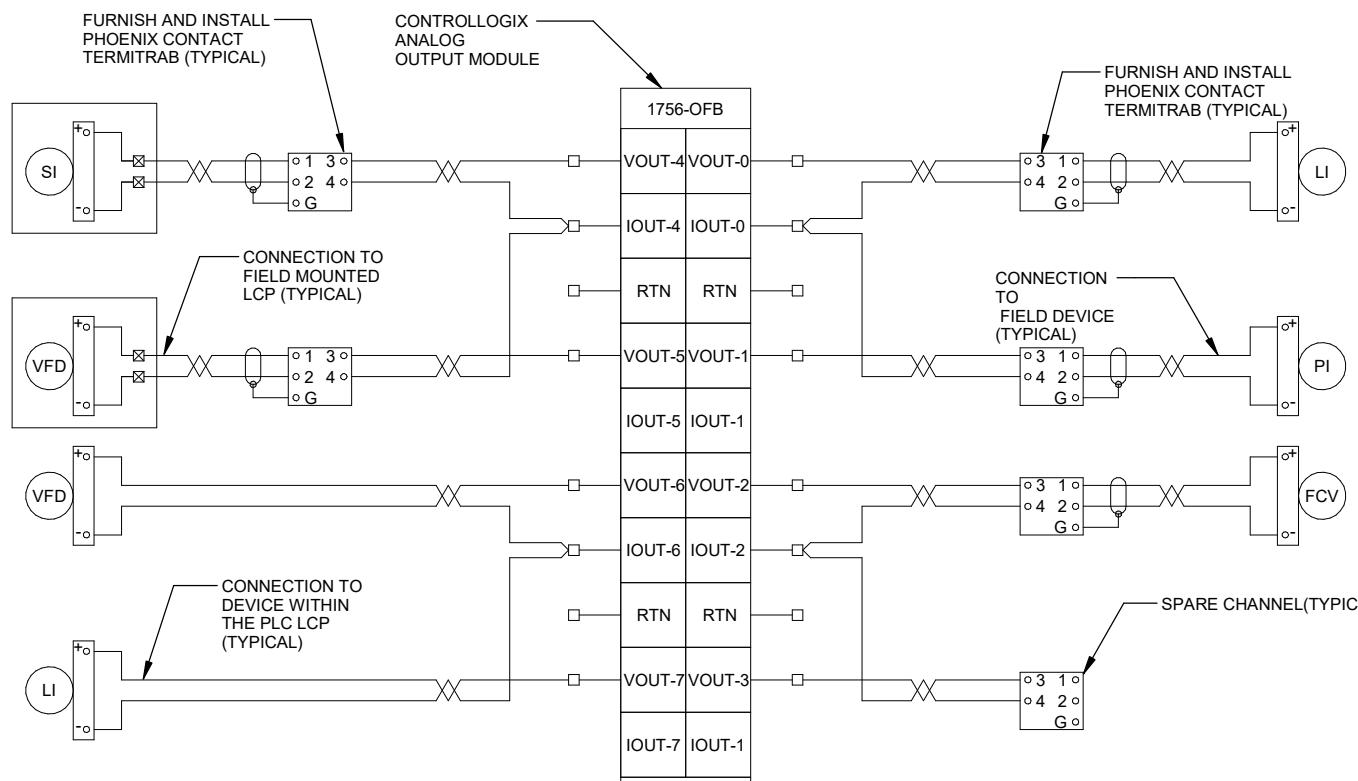
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DIGITAL INPUT MODULE WIRING DIAGRAM (TYPICAL)



DIGITAL OUTPUT MODULE WIRING DIAGRAM (TYPICAL)



ANALOG OUTPUT MODULE WIRING DIAGRAM (TYPICAL)

LEGEND	
—	PANEL WIRE
—	FIELD WIRE
☒	FIELD MOUNTED LCP TERMINAL BLOCK
□	PLC LCP TERMINAL BLOCK
○	COMPONENT TERMINAL
NC	NO CONNECTION
ANLG	ANALOG
COM	COM

KEYED NOTES:	
①	FURNISH AND INSTALL INDIVIDUAL BRANCH CIRCUIT BREAKER.
②	FURNISH AND INSTALL LINE AND NEUTRAL WIRING CONNECTIONS AS REQUIRED.
③	CONTRACTOR SHALL DETERMINE RESISTOR SIZE.

GENERAL NOTES:

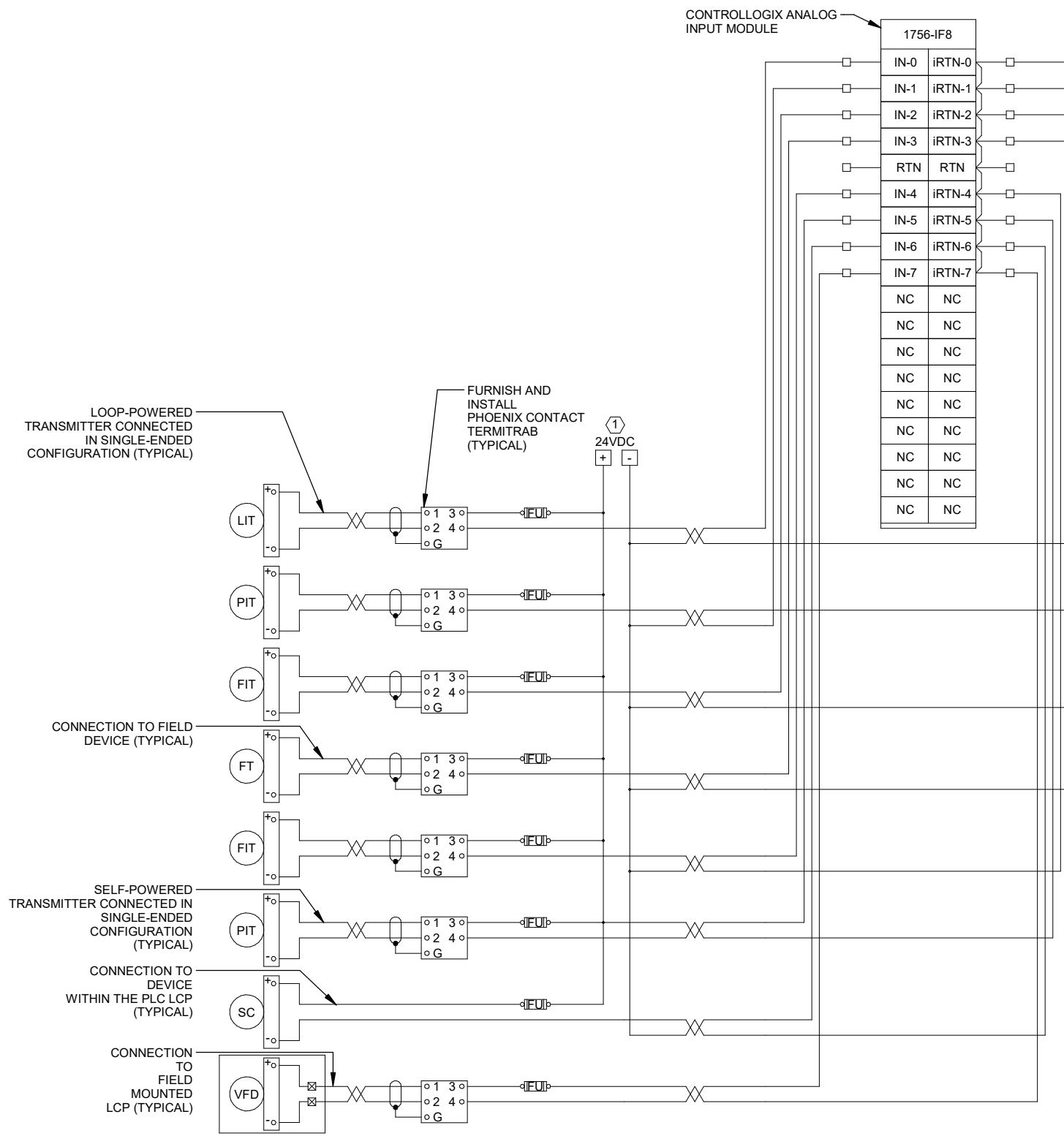
1. MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE FUSED TERMINAL BLOCK, FUSE, AND INTERPOSING RELAY FOR EACH AVAILABLE PLC DIGITAL OUTPUT CHANNEL (INCLUDING SPARES).
3. FURNISH AND INSTALL TERMINALS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
4. DEVICES AND ASSOCIATED CONNECTIONS SHOWN IN THIS DIAGRAM ARE INTENDED TO BE A REPRESENTATION OF A TYPICAL INSTALLATION AND SHALL NOT BE CONSTRUED AS PLANNED DEVICES AND CONNECTIONS.
5. FURNISH AND INSTALL COMPONENTS, MATERIALS, AND ELECTRICAL CONNECTIONS REQUIRED TO INTERFACE NEW AND EXISTING EQUIPMENT PER THE PLANS.

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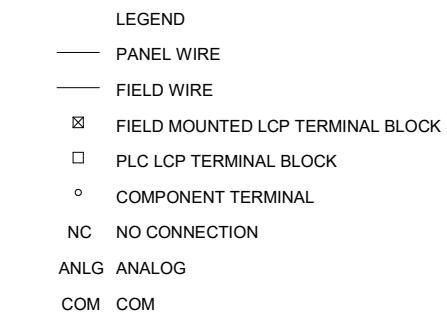
REV	DATE	DESCRIPTION	BY
D40			DIVISION D40
6343-001		TYPICAL PLC I_O	SECTION - DETAIL NO. 6343-001



DATE: 02/06/2026



ANALOG INPUT MODULE WIRING DIAGRAM (TYPICAL)



KEYED NOTES:

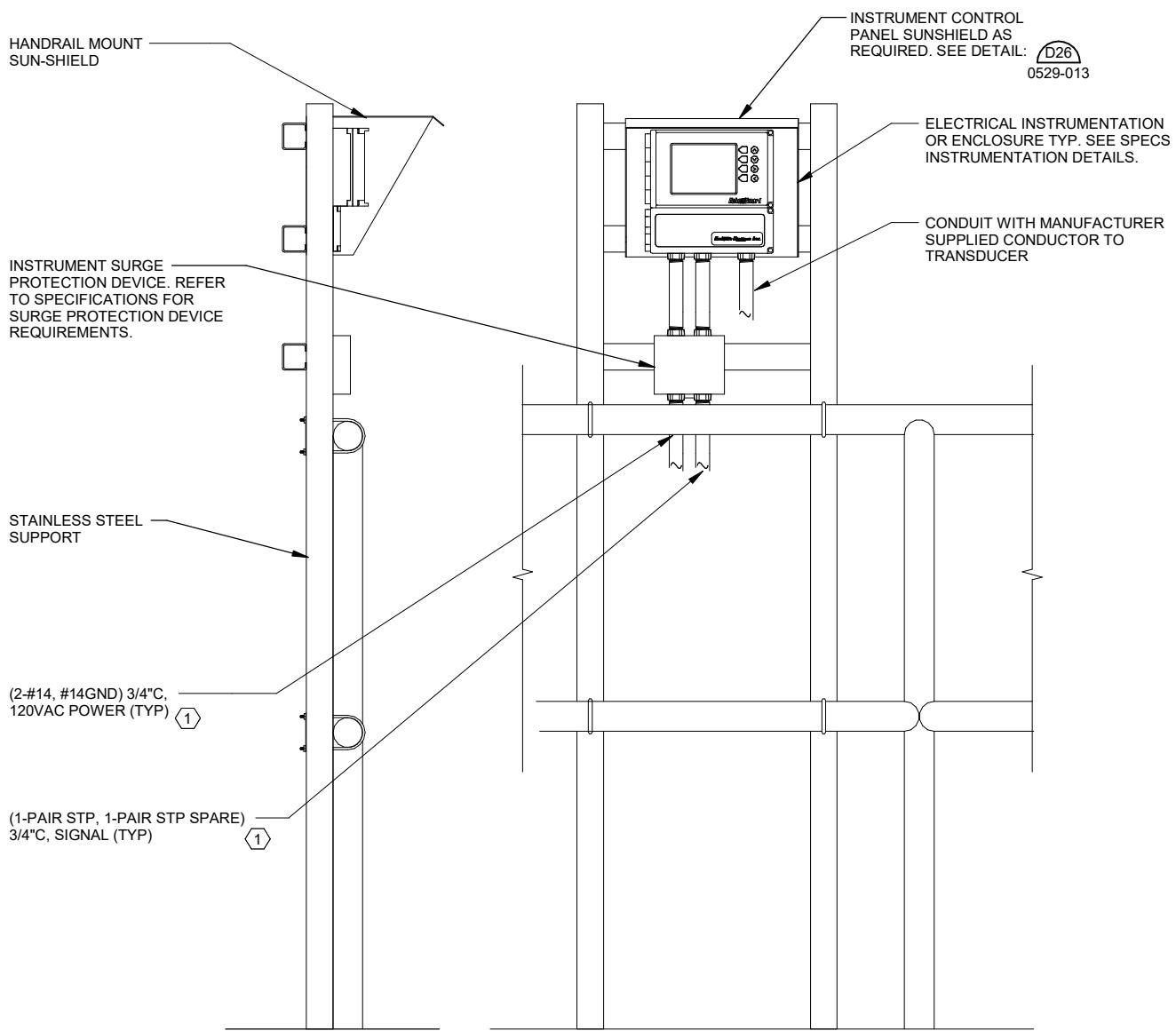
① FURNISH AND INSTALL 24VDC LOOP POWER AS REQUIRED.

GENERAL NOTES:

1. MAKE ALL FINAL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.
2. TYPICAL CONNECTIONS ARE LOOP-POWERED SINGLE-ENDED INPUT TYPES. DO NOT MIX SINGLE-ENDED AND DIFFERENTIAL INPUT TYPES ON THE SAME MODULE.
3. FURNISH AND INSTALL TERMINAL BLOCKS, CONTROL RELAYS, FUSES, AND OTHER ITEMS AS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
4. DEVICES AND ASSOCIATED CONNECTIONS SHOWN IN THIS WIRING DIAGRAM ARE INTENDED TO BE A REPRESENTATION OF A TYPICAL INSTALLATION AND SHALL NOT BE CONSTRUED AS PLANNED DEVICES AND CONNECTIONS.
5. FURNISH AND INSTALL COMPONENTS, MATERIALS, AND ELECTRICAL CONNECTIONS REQUIRED TO INTERFACE NEW AND EXISTING EQUIPMENT PER THE PLANS.

CITY OF MOORE MOORE, OK MOORE WWTP IMPROVEMENTS	REV	DATE	DESCRIPTION	BY
	TYPICAL PLC I_O II			DIVISION D40 SECTION - DETAIL N 6343-002
JOB NO.: 2202254/2501328/2500545				DATE: 02/06/2026





NOTE:

1. WALKWAY AND RAILING IS TYPICAL AND FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY WITH STRUCTURAL PLANS AND SECTIONS BEFORE INSTALLING ANY CONDUIT OR ELECTRICAL EQUIPMENT AND ADJUST ACCORDINGLY.
2. MAKE ALL REQUIRED CONNECTIONS.
3. SEE MANUFACTURER MOUNTING INSTRUCTIONS FOR ADDITIONAL DETAILS.
4. KEEP POWER FEED SEPARATE FROM 4-20mA SIGNAL FEED.

KEYED NOTES:



CONDUIT AND CONDUCTORS SHOWN ARE TYPICAL. SEE ELECTRICAL PLAN SHEETS FOR CONDUIT AND CONDUCTOR REQUIREMENTS.



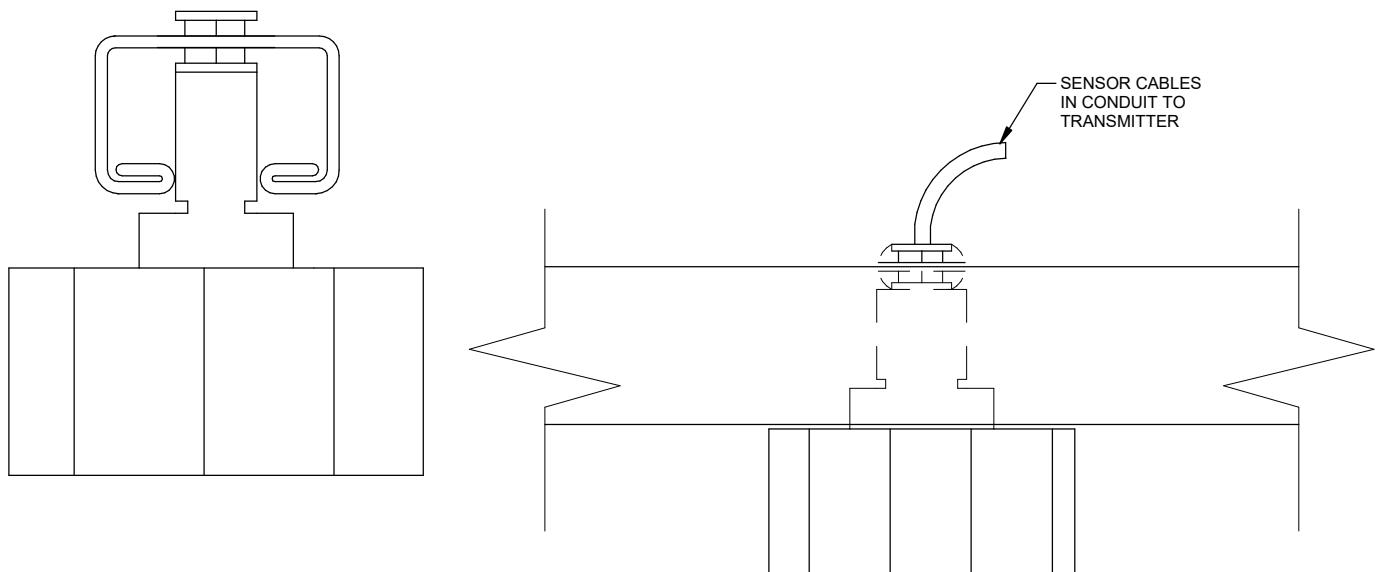
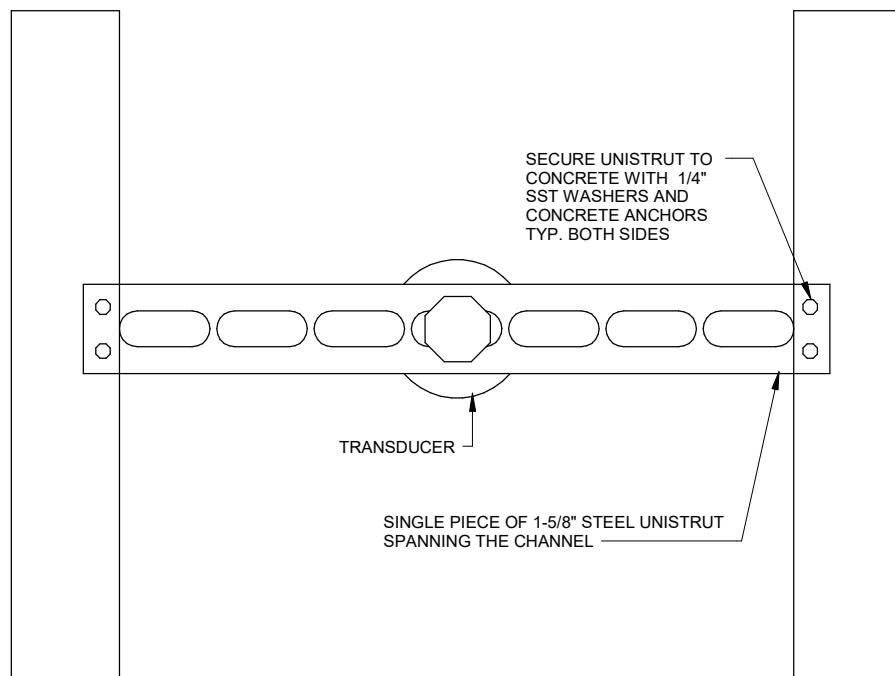
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REV	DATE	DESCRIPTION	BY
		TYPICAL INSTRUMENT SURGE PROTECTION DETAIL	DIVISION D40 SECTION - DETAIL NO. 7000-001 DATE: 02/06/2026

DETAIL NOT TO SCALE

DATE: 02/06/2026



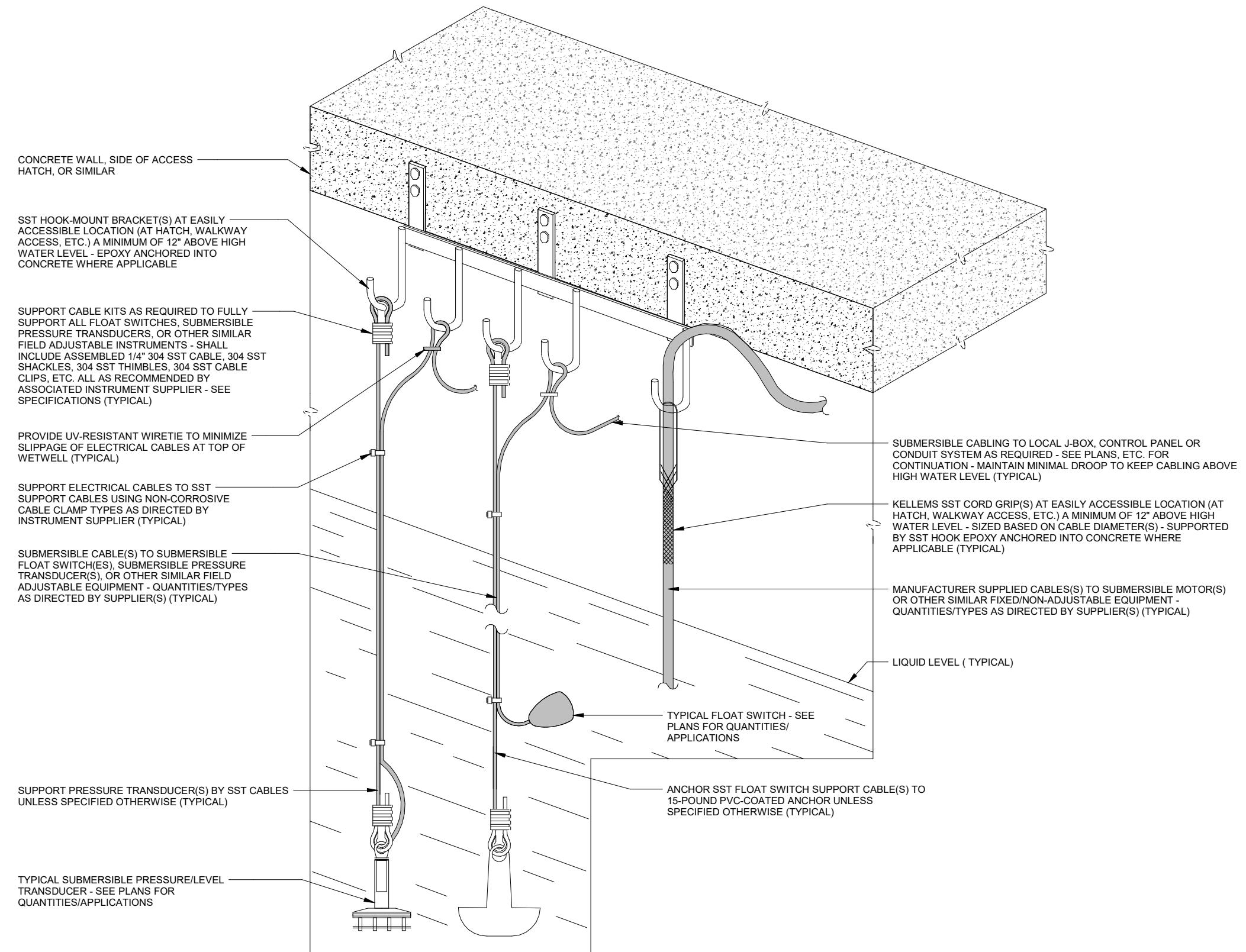
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JOB NO.: 2202254/2501328/2500545

REV	DATE	DESCRIPTION	BY
		ULTRASONIC AND RADAR LEVEL ELEMENT CHANNEL MOUNTING DETAIL	DIVISION D40 SECTION - DETAIL NO. 7213-001

DETAIL NOT TO SCALE

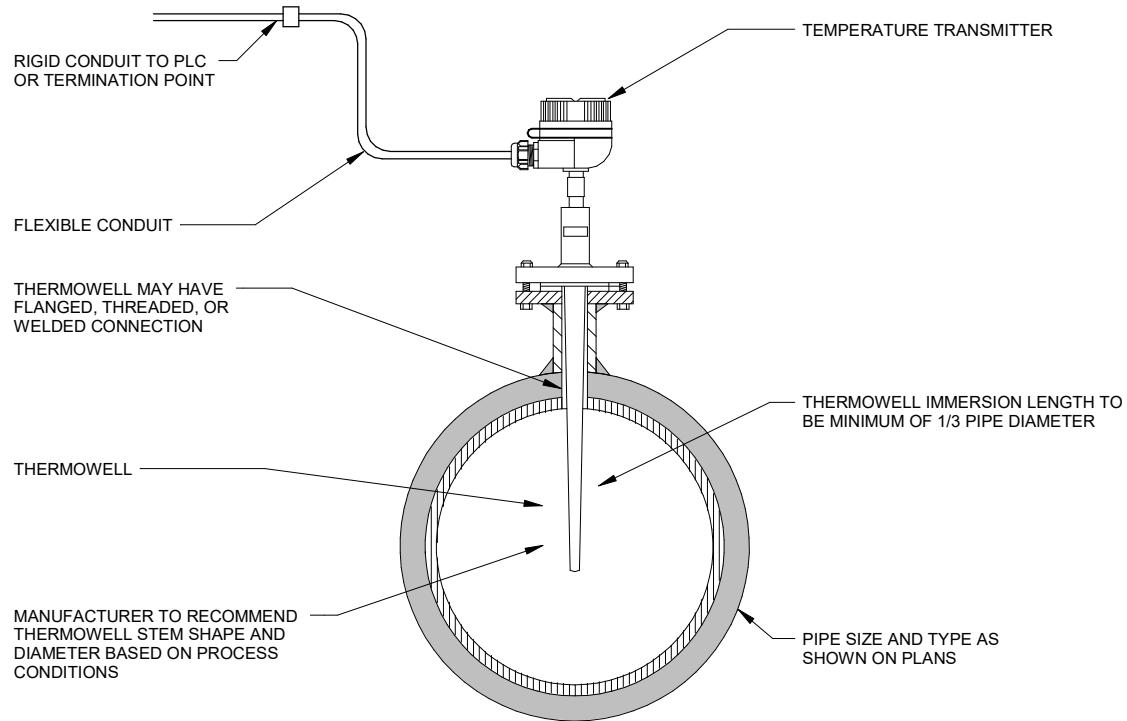
DATE: 02/06/2026



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REV	DATE	DESCRIPTION	BY
D40	7276-001	SUBMERSIBLE TYPE WETWELL INSTRUMENTATION MOUNTING DETAIL	DIVISION SECTION - DETAIL NO. GARVER





NOTES:

1. MANUFACTURER TO RECOMMEND THERMOWELL MATERIAL OF CONSTRUCTION BASED ON TEMPERATURE, FLOW RATE, AND COMPATIBILITY WITH FLUID IT IS EXPOSED TO.
2. ALL THREADS SHALL BE SEALED WITH AN APPROVED THREAD SEALANT.
3. SEE SPECIFICATIONS FOR TRANSMITTER DETAILS/INFORMATION.



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REV	DATE	DESCRIPTION	BY
		TEMPERATURE TRANSMITTER	DIVISION D40 SECTION - DETAIL NO. 7463-001

DETAIL NOT TO SCALE

DATE: 02/06/2026