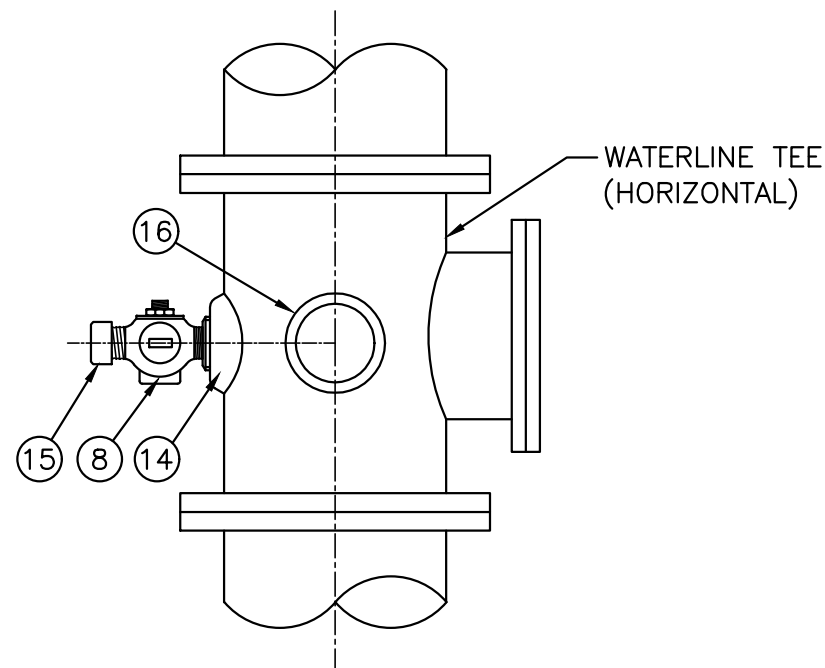
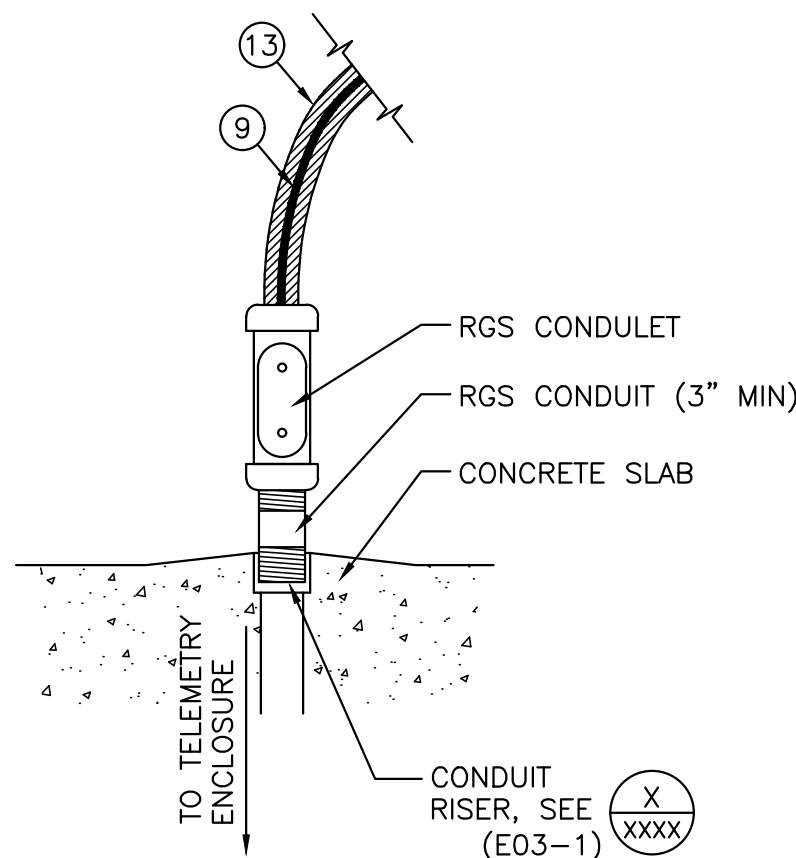
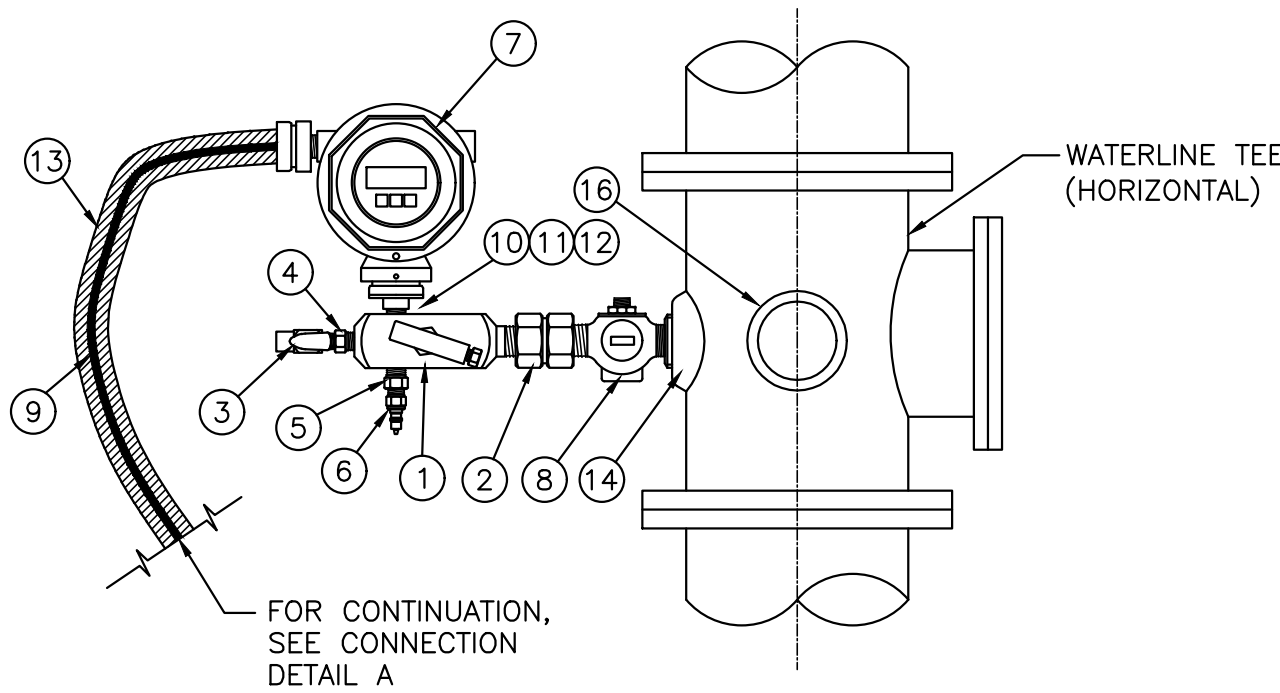




FUTURE PRESSURE
TRANSMITTER ASSEMBLY
INSTALLATION



FLOOR MOUNT
CONNECTION DETAIL A



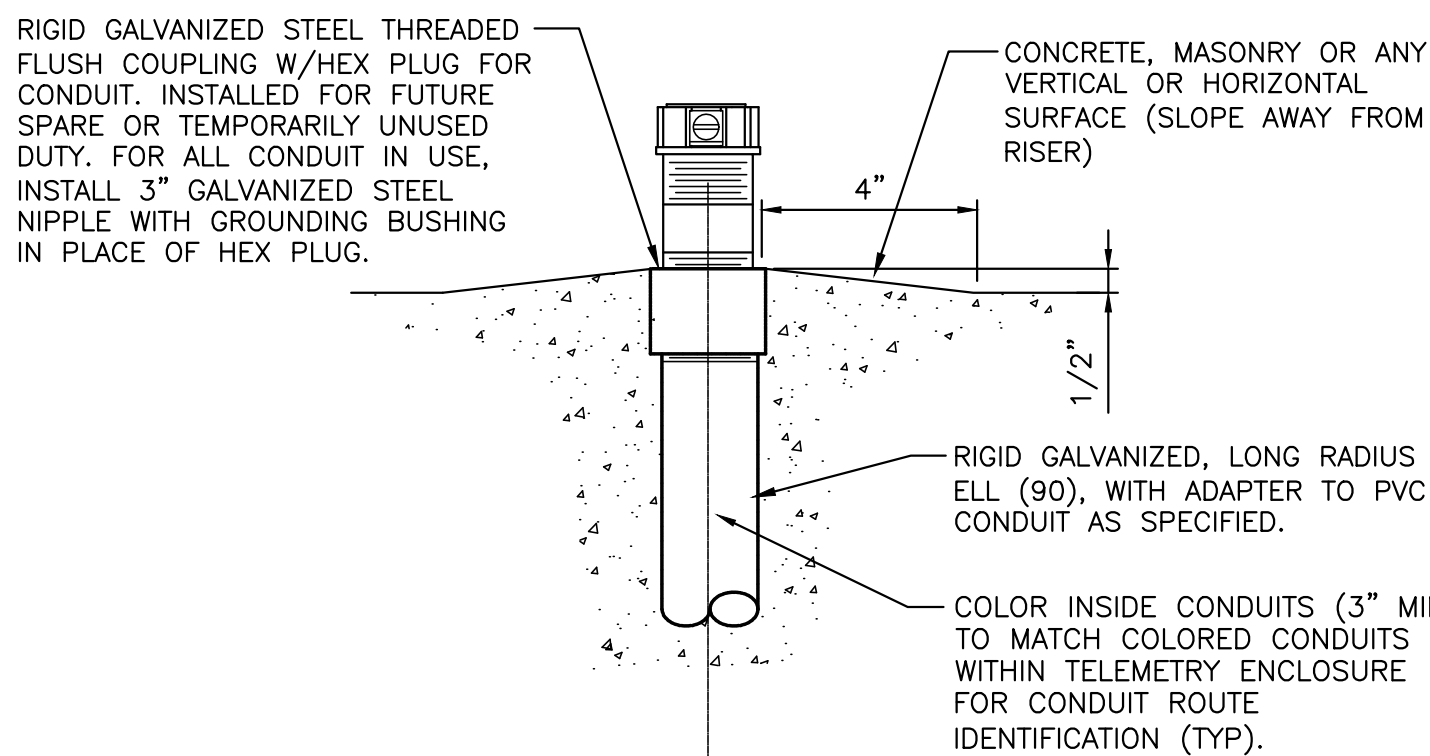
FLOOR MOUNT ASSEMBLY
ABOVE GRADE INSTALLATION

PRESSURE TRANSMITTER ASSEMBLY AND CONNECTION DETAIL

NOT TO SCALE

IT03-1-PRV

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ALL HEX PLUGS ARE TO BE FLUSH WITH SURFACE PENETRATED. SPARE CONDUITS (OR TEMPORARILY UNUSED CONDUITS) SHALL BE THREADED WITH A HEX FLUSH PLUG INSTALLED SO AS TO NOT CAUSE A TRIP HAZARD OR ALLOW THE INFILTRATION OF CONTAMINANTS INTO THE CONDUIT. IF FOR ANY REASON THE CONDUIT IS NOT FLUSH WITH THE SURFACE PENETRATED THE CONTRACTOR SHALL EITHER CUT OFF OR EXTEND THE CONDUIT TO FULFILL THE FINISHED FLUSH REQUIREMENT. AS A MINIMUM, TO CORRECT ANY FLUSH PLUG CONDUIT INSTALLATIONS THE CONTRACTOR MAY BE REQUIRED AT HIS EXPENSE TO: JACK-HAMMER AND REPOUR CONCRETE; REMOVE AND REINSTALL MASONRY; REFINISH GYPSUM; PAINT; GROUT; RELOCATE EQUIPMENT; PROVIDE TEMPORARY FACILITIES; REROUTE CONDUITS.

CONDUIT RISER

NOT TO SCALE

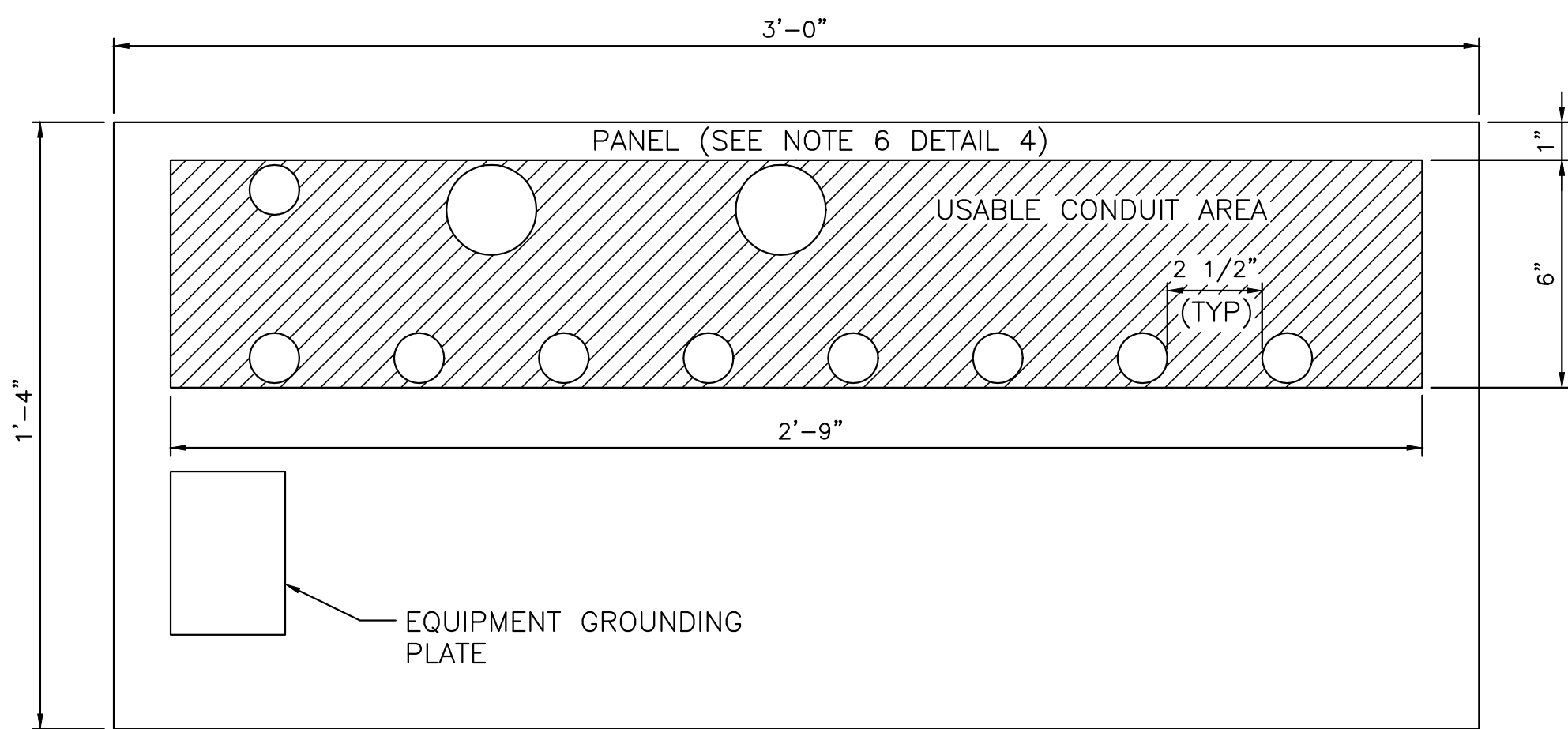
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ITEM	DESCRIPTION
①	GAUGE/INSTRUMENTATION VALVE (ANDERSON GREENWOOD MSVDS44, PARKER V-517SDT, SWAGELOK SS-5PDGM8-F8, OR APPROVED EQUAL)
②	3/4" X 1/2" HEX REDUCING COUPLING (SWAGELOK SS-12-HRCG-8)
③	1/4" MALE NPT X 1/4" FEMALE NPT PLUG VALVE (PARKER PV608-4, OR APPROVED EQUAL). INSTALL VALVE IN END PORT
④	1/2" X 1/4" HEX REDUCING BUSHING (SWAGELOK SS-8-RB-4)
⑤	1/2" X 1/4" HEX REDUCING NIPPLE (SWAGELOK SS-8-HRN-4)
⑥	1/4" MALE QUICK DISCONNECT (PARKER SSH2-63Y, OR APPROVED EQUAL)
⑦	BELOW GRADE INSTALLATIONS: APPROVED SUBMERSIBLE DIRECT PRESSURE SENSING PRESSURE TRANSMITTER, 150 PSIG ABOVE GRADE INSTALLATIONS: APPROVED DIRECT PRESSURE SENSING PRESSURE TRANSMITTER, 150 PSIG (ENDRESS+HAUSER PMC-71) (PMC71-SBT1P6RAAAA) SPACE CONSTRAINTS MAY DICTATE WHICH ASSEMBLY TO UTILIZE. (SEE NOTE 1 FOR PRESSURE TRANSMITTER ORIENTATION)
⑧	3/4" BRASS CORPORATION STOP, IRON PIPE THD
⑨	TRANSMITTER CABLE
⑩	STAINLESS STEEL UNION SWAGELOCK, PARKER, OR APPROVED EQUAL
⑪	STAINLESS STEEL REDUCING BUSHING
⑫	STAINLESS STEEL NIPPLE
⑬	LIQUIDTIGHT METAL FLEXIBLE CONDUIT (SEE NOTE 7)
⑭	3/4" TAPPED BOSS ON DIP
⑮	3/4" THREADED CAP
-	1/2" TEFLON TAPE
⑰	2" THREADED BOSS FOR 2" CORPORATION STOP

NOTES:

1. THE PRESSURE TRANSMITTER SHALL BE INSTALLED PARALLEL TO THE PIPE DIRECTION (HORIZONTAL, 3-O'CLOCK OR 9-O'CLOCK POSITION) UNLESS DIRECTED OTHERWISE.
2. THE GAUGE/INSTRUMENTATION VALVE HAS 1 MALE 1/2" NPT AND 3 FEMALE 1/2" NPT PORTS.
3. ALL PARTS AND FITTINGS, EXCEPT CORPORATION STOP SHALL BE 316 SSTL.
4. THE PRESSURE TRANSMITTER CABLE SHALL BE CONTINUOUS FROM THE INSTRUMENT TO THE TELEMETRY ENCLOSURE. SPLICES ARE NOT ACCEPTABLE.
5. EACH PRESSURE TRANSMITTER SHALL BE SUPPLIED WITH THE REQUIRED CABLE LENGTH PLUS AN ADDITIONAL FIVE FEET TO PROVIDE FLEXIBILITY IN INSTALLATION. THE LENGTH REQUIRED FOR EACH CABLE SHALL BE DETERMINED IN THE FIELD TO ALLOW FOR VARIOUS SITE CONDITIONS AFFECTING THE FINAL TIE-IN. EACH PRESSURE TRANSMITTER CABLE LENGTH SHALL BE VERIFIED BY THE CONTRACTOR BEFORE PURCHASING THE UNIT.
6. REFER TO SPECIFICATIONS FOR CONDUIT MATERIAL AND INSTALLATION REQUIREMENTS.
7. LIQUIDTIGHT METAL FLEXIBLE CONDUIT ONLY REQUIRED ON ABOVE GRADE INSTALLATIONS.



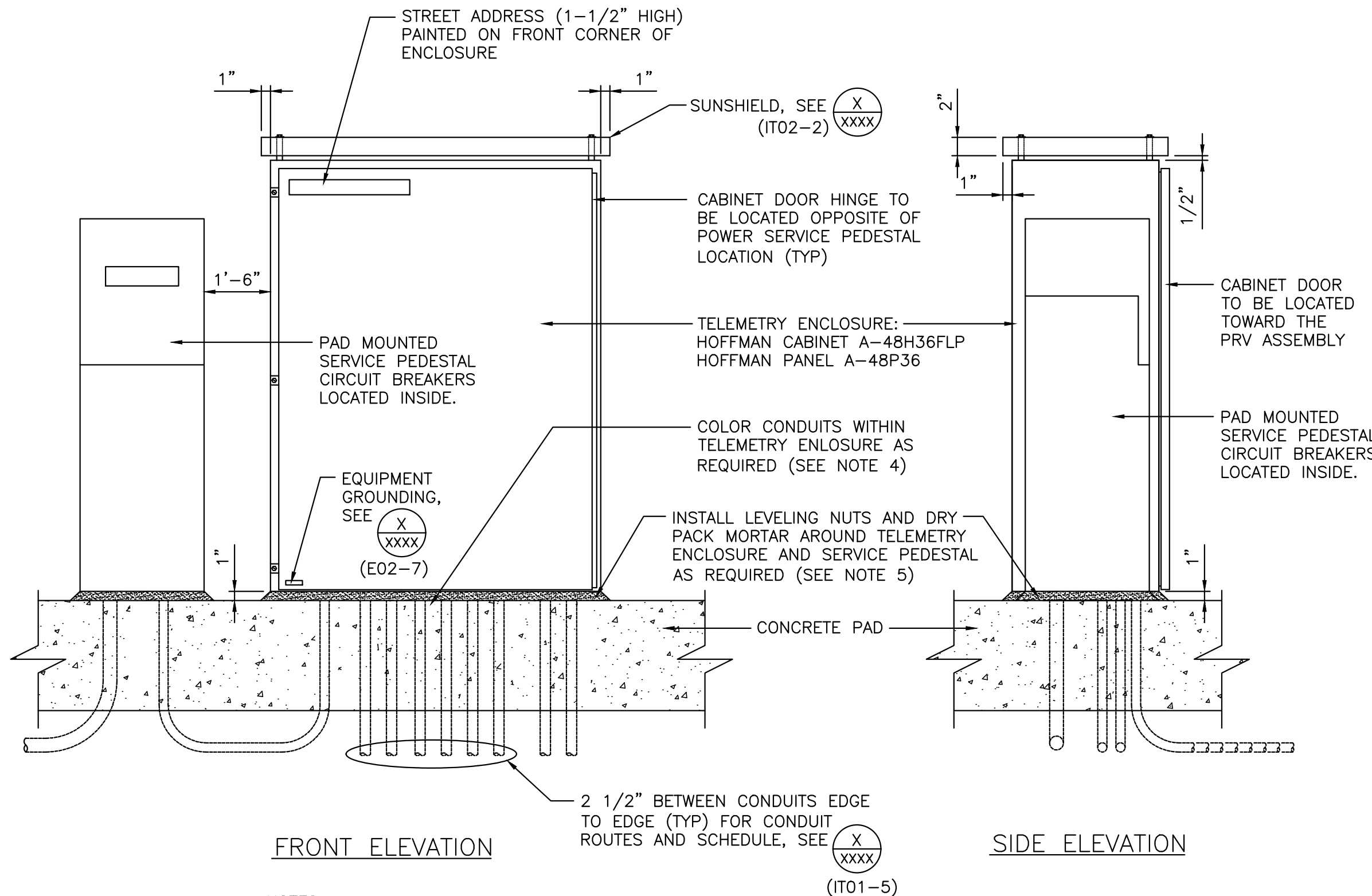
NOTE:
LVWD WILL INSTALL VENTILATION FAN.

TELEMETRY PANEL BOTTOM CONDUIT LAYOUT

SCALE: 3"=1'-0"

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FRONT ELEVATION

SIDE ELEVATION

NOTES:

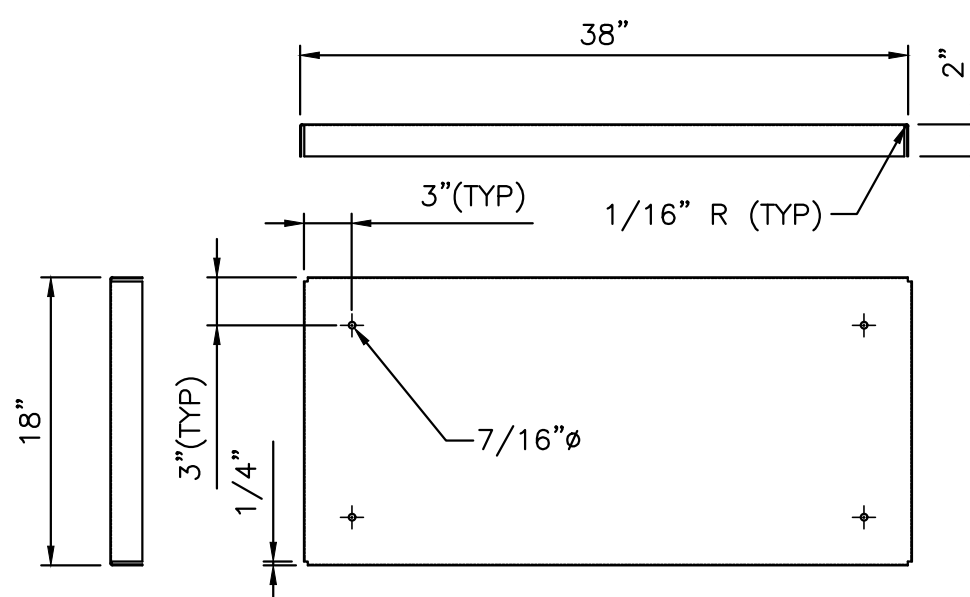
1. MAKE ALL CONDUIT PENETRATIONS INTO THE BOTTOM OF THE RTU ENCLOSURE.
2. INSTRUMENTATION WIRING SHALL NOT BE RUN IN THE SAME CONDUIT AS 120VAC CONTROL WIRING.
3. THE RTU ENCLOSURE EXTERIOR FINISH SHALL BE POLYESTER URETHANE (POWDER COAT) WHITE.
4. ALL CONDUITS WITHIN TELEMETRY ENCLOSURE SHALL HAVE DIFFERENT COLORS PAINTED (3" MIN, BOTH INSIDE AND OUTSIDE). COLORS USED SHALL MATCH COLORS PAINTED INSIDE CONDUITS AT CONDUIT RISERS IN CONCRETE SLAB FOR CONDUIT ROUTE IDENTIFICATION (TYP).
5. DRILL SIX (6) 9/16" HOLES THROUGH ENCLOSURE/PEDESTAL AND INTO CONCRETE PAD. INSTALL ADHESIVE CARTRIDGES, 1/2" x 6" STAINLESS STEEL THREADED ANCHOR RODS WITH TWO (2) STAINLESS STEEL WASHERS AND LEVELING NUTS. INSTALL DRY PACK MORTAR IN ANNULAR SPACE AROUND ENCLOSURE/PEDESTAL AFTER ANCHOR RODS AND LEVELING NUTS ARE INSTALLED.
6. CONTRACTOR SHALL SUPPLY IDENTIFIED BACK PANEL AND DELIVER TO DISTRICT. DISTRICT WILL BUILD OUT BACK PANEL AND PROVIDE BACK TO THE CONTRACTOR FOR INSTALLATION IN TELEMETRY CABINET. ALLOW TWO WEEKS FOR PANEL BUILD OUT.

PRV/FLOW STATION ENCLOSURE

NOT TO SCALE

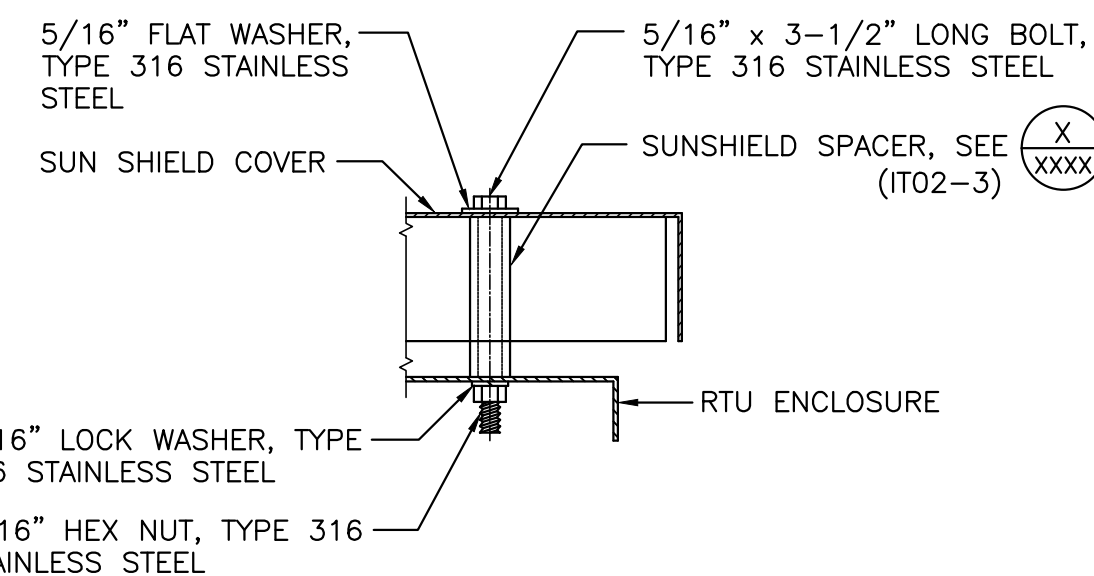
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NOTES:

1. MATERIAL: 16 GA. ELECTROPLATED COLD-ROLLED STEEL SHEET.
2. ALL SHARP EDGES SHALL BE DEBURRED.
3. FINISH: POLYESTER URETHANE (POWDER COAT) WHITE APPLIED BY THE SUNSHIELD MANUFACTURER.



PRV/FLOW STATION ENCLOSURE SUNSHIELD

NOT TO SCALE

IT02-2 111506

ENCLOSURE SUNSHIELD
MOUNTING SPACERS

NOT TO SCALE

IT02-3 111506

6
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GENERAL FABRICATION NOTES:

IT02-4 111506

1. ALL STEEL SHAPES, PLATES AND BARS USED FOR THESE FABRICATIONS SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM A-36 OR THE "SPECIFICATIONS FOR COLD-FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL TUBING IN ROUNDS AND SHAPES" ASTM A-501.
2. ALL WELDING SHALL BE BY THE SHIELDED ARC METHOD AND SHALL CONFORM TO THE AWS D1.1 "STRUCTURAL WELDING CODE".
3. ALL STEEL SHAPES, PLATES, BARS AND FABRICATED ASSEMBLIES SHALL BE GALVANIZED IN ACCORDANCE WITH THE "SPECIFICATION FOR ZINC (HOT-GALVANIZED) COATINGS ON PRODUCTS FABRICATED FROM ROLLED, PRESSED AND FORGED STEEL SHAPES, PLATES BARS AND STRIP" ASTM A-123, OR BY THE APPLICATION OF AN ORGANIC ZINC RICH COATING. THE ORGANIC ZINC RICH COATINGS SHALL BE "GALVANOX", "GALVOWELD", OR APPROVED EQUAL.
4. ALL BURRS SHALL BE REMOVED FROM CUT OR DRILLED STEEL SHAPES, TUBES, PLATES AND BARS.
5. ALL BOLT HOLES SHALL BE DRILLED, NOT FLAME CUT, THROUGH ALL STEEL FABRICATED PLATES. HOLES IN MATING PLATES SHALL BE MATCH DRILLED.
6. ALL THREADED NUTS AND BOLTS SHALL CONFORM TO ASTM A-307, GRADE "B" AND SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B-633.
7. FINISH ENTIRE ASSEMBLY W/POLYESTER POWDER COAT WHITE.
8. ALL SUNSHIELD SPACERS SHALL BE ALUMINUM TUBING (6061 OR SIMILAR).

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CLV DWG #

VERIFY SCALE

1/2 0 1/2 1

BAR REPRESENTS
ONE AND ONE-HALF
INCHES ON ORIGINAL

PRV INSTRUMENTATION DETAILS I

DRAWN BY: CHEROKEE G. BLANK
CHECKED BY: 11/02/07

RECOMMENDED BY: 11/02/07

ACCEPTED BY: DATE

CONTRACT NUMBER

DRAWING NUMBER ID X
SHEET X OF -