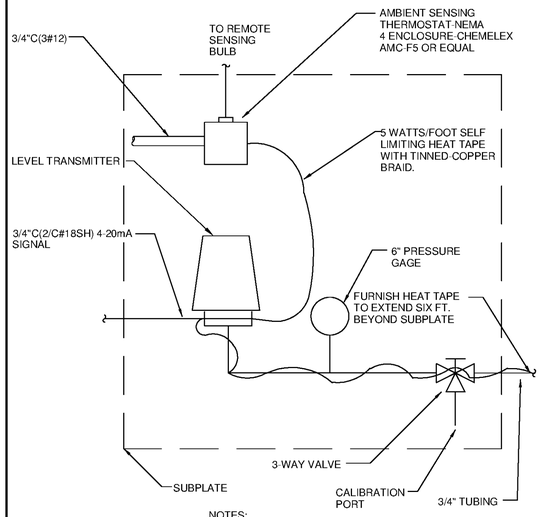
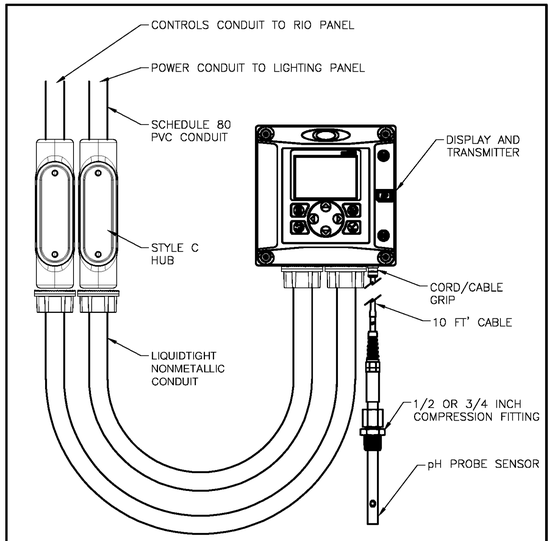


NOTES:
1. HEAT TRACE THE ISOLATION VALVE AND SENSOR PIPE.
2. ALL PIPING, VALVES, AND FITTINGS TO BE 316L SST.
3. MOUNT SUBPLATE IN NEMA 4X TYPE 316 SST ENCLOSURE USING RACK MOUNTED EQUIPMENT DETAIL AND SUN SHADE.

ELEVATED STORAGE TANK LEVEL SENSOR DETAIL

70-LIT 1 — SEE WASHWATER ELEVATED STORAGE TANK LAYOUT ON SHEET E-9511

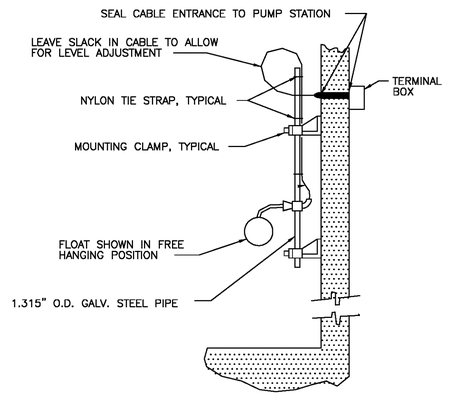


NOTE: FOR TURBIDITY METER, REPLACE pH PROBE METER WITH TURBIDITY SENSOR, AND MOUNT SENSOR TO WALL.

pH PROBE & TURBIDITY PROBE MOUNTING DETAIL (IN-LINE TYPE)

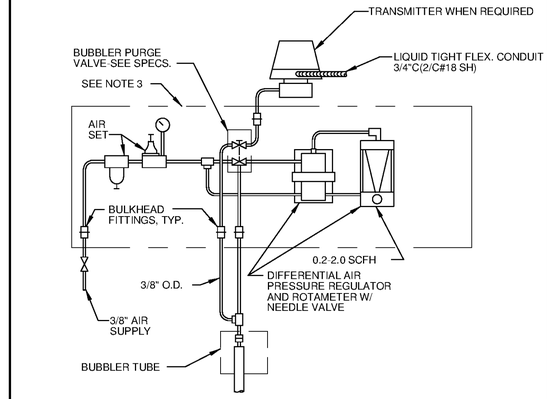
20 AIT-1, 20 AIT-3 — NO SCALE (IN NEMA 4X AREA)

20 AIT-4, 20 AIT-5, 20 AIT-6, 21 AIT-5, 40 AIT-1, 40 AIT-2, 42 AIT-1, 42 AIT-2



CORD TYPE-SINGLE FLOAT SWITCH

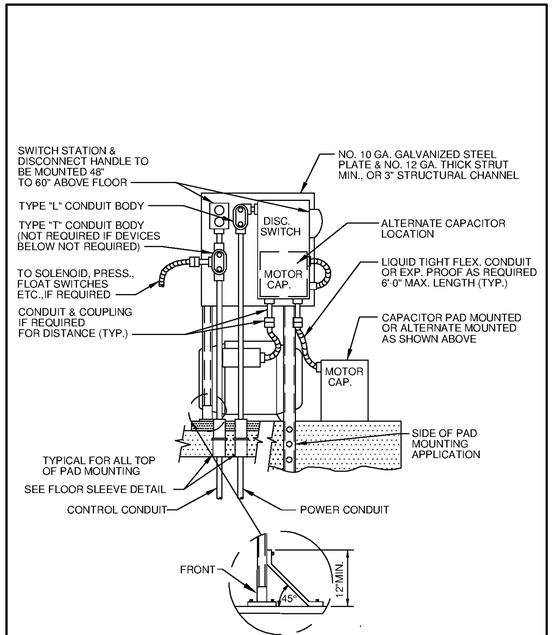
NO SCALE



NOTES:
1. ALL AIR TUBING, VALVES AND FITTINGS TO BE 3/8" O.D. UNLESS OTHERWISE NOTED.
2. BUBBLER PANEL FACTORY ASSEMBLED. 10 GA. STEEL WITH TURNED EDGES, PAINT PER PANEL SPECS. WALL MOUNT TYPE 316 SST 5'-0" ABOVE FLOOR.

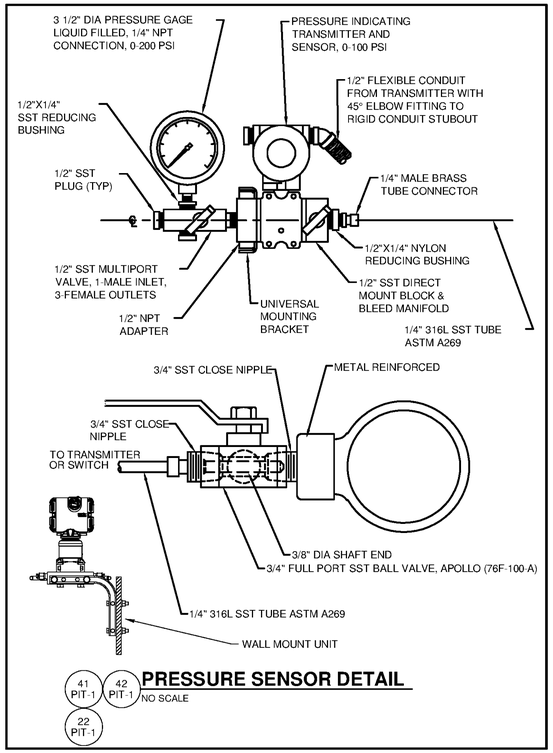
SINGLE BUBBLER CONTROL DETAIL

21-LIT 1 — SEE "DEVICE BOX CONDUIT DETAIL" FOR INSTALLATION



MOTOR CONDUIT DETAIL

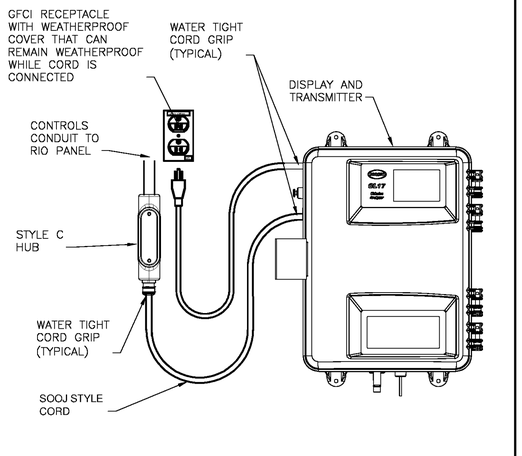
NO SCALE (PLATE OR WALL MTD.)



PRESSURE SENSOR DETAIL

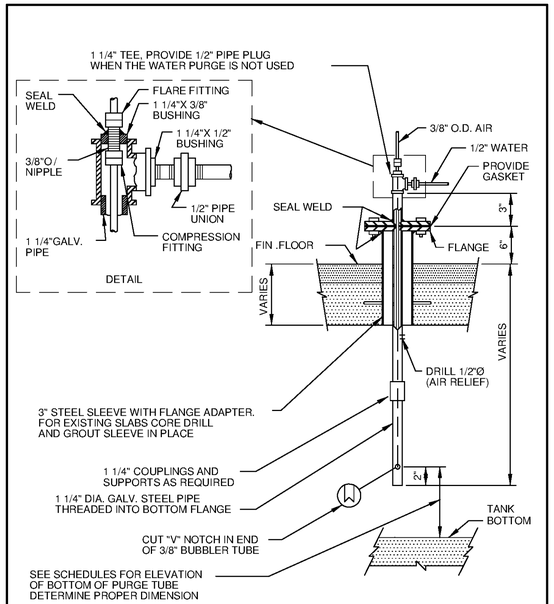
41 PIT-1, 42 PIT-1 — NO SCALE

22 PIT-1



CHLORINE ANALYZER MOUNTING DETAIL (IN-LINE TYPE)

40 AIT-3, 42 AIT-3 — NO SCALE



BUBBLER TUBE DETAIL

NO SCALE

TETRA TECH
www.tetratech.com
101 QUALITY CIRCLE, SUITE 140
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PHONE: (256) 424-4077 FAX: (256) 424-4097

BID SET

ALABAMA LICENSED No. 21938 PROFESSIONAL ENGINEER CHRISTOPHER S. WOJCIK

MARK	DATE	DESCRIPTION	BY

HUNTSVILLE UTILITIES
SOUTHEAST WATER TREATMENT PLANT
ELECTRICAL DETAILS

Project No.:	200-11740-10003
Designed By:	CSW/AJK
Drawn By:	TAC
Checked By:	DAB

E-9504

Copyright: Tetra Tech

Bar Measures 1 inch

10/17/2014 11:03:45 AM - P:\ER\11740\200-11740-10003\CAD\SHEETFILES\TREATMENT PLANT\WTP E-9501 E-9508 ELECTRICAL DETAILS.DWG - CALZARETTA, TIMOTHY