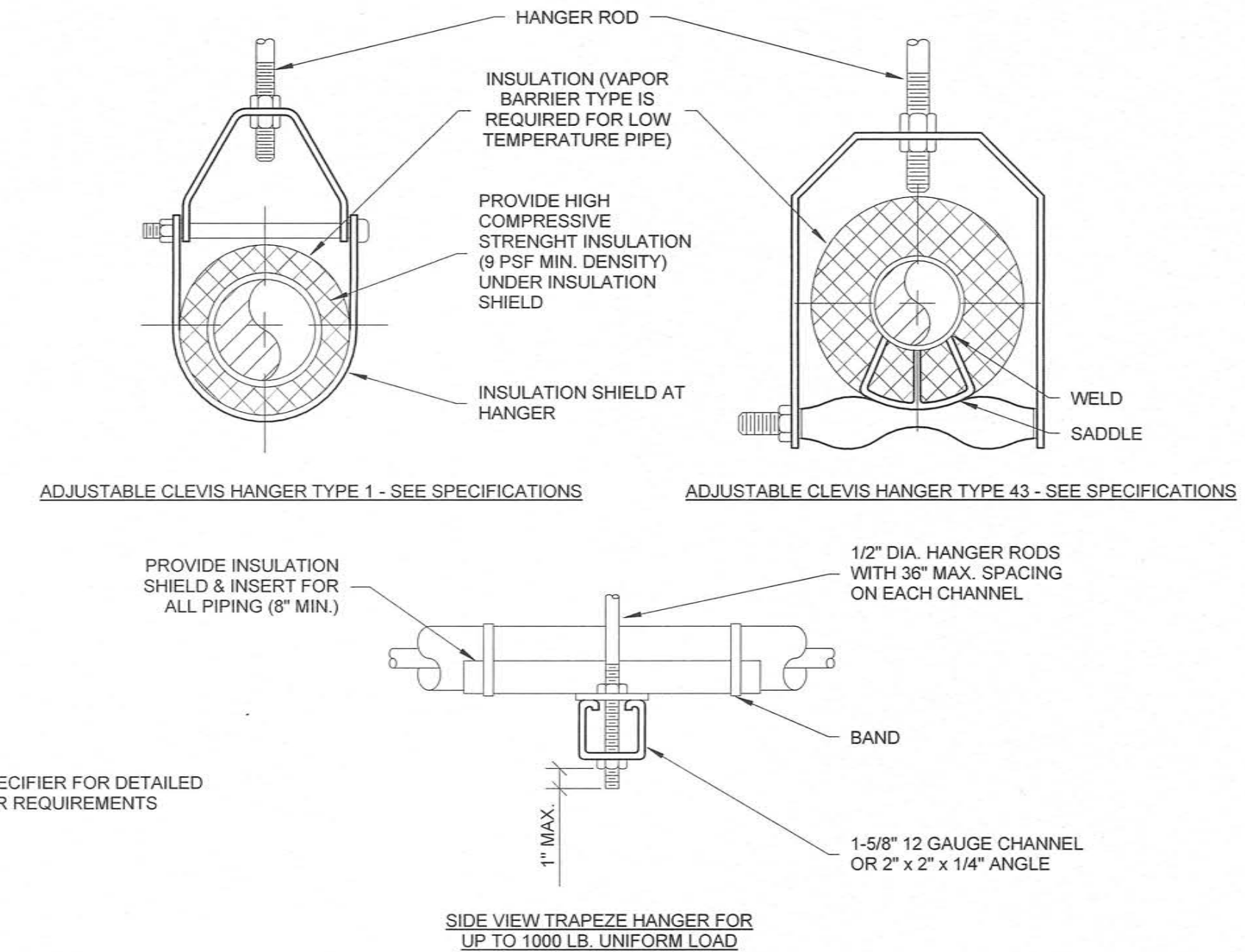
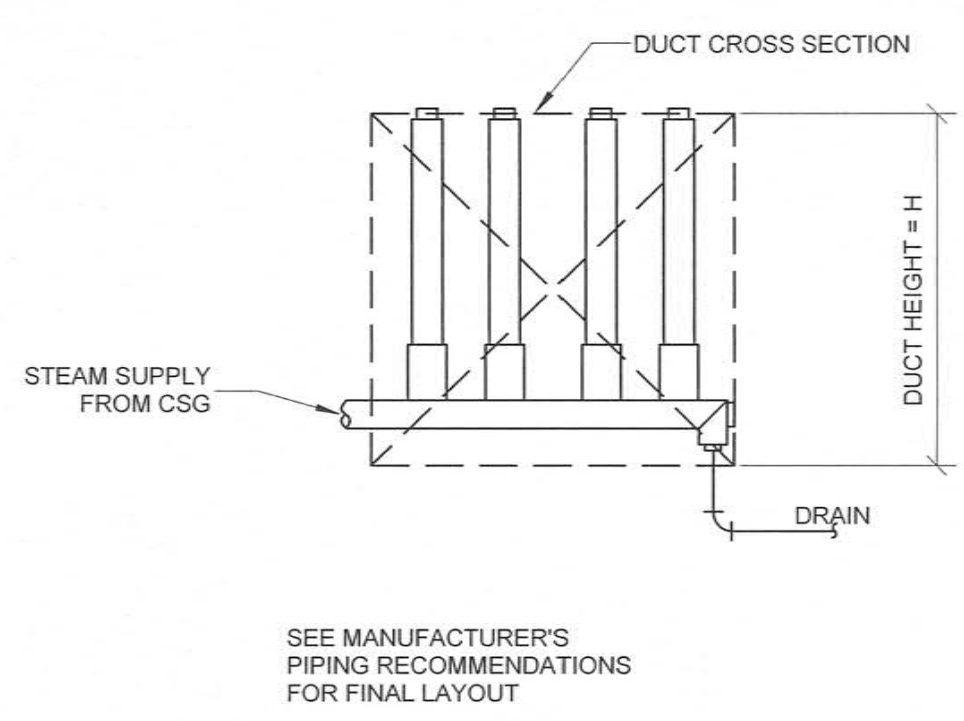
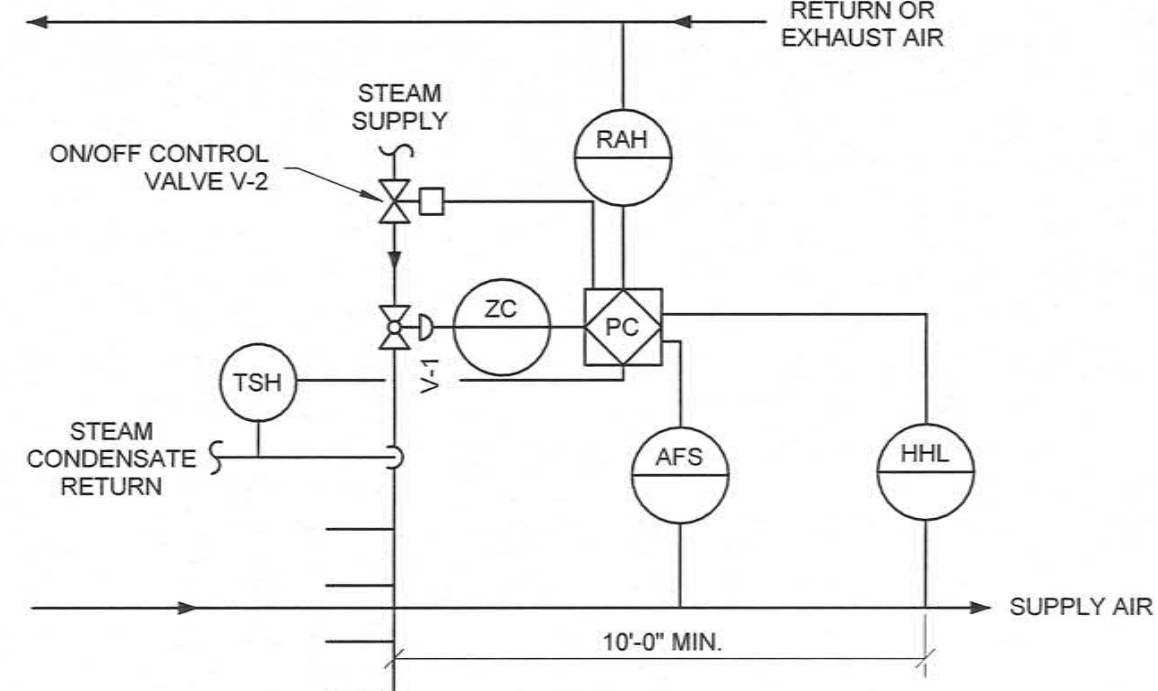


- NOTES:**
1. WHEN COIL IS INCLUDED IN CASING MOUNTED ON VIBRATION ISOLATOR UNITS, THE RUNOUT PIPING FOR CONNECTIONS TO COIL SHALL BE INSTALLED WITH SWING JOINTS TO ALLOW FOR THE VIBRATION.
  2. PIPING SHALL BE INSTALLED IN SUCH MANNER THAT IT WILL NOT BLOCK THE SWING OR USE OF ACCESS DOORS OR PANELS, NEITHER SHALL IT BLOCK THE SERVICING OF FILTERS, VALVES, OR EQUIPMENT.
  3. TRAP EACH COIL SEPARATELY WHEN INSTALLED IN A BANK OF TWO OR MORE HIGH. ALSO PROVIDE A SEPARATE VACUUM BREAKER FOR EACH COIL.
  4. TWO TRAP ASSEMBLIES IN PARALLEL ARE SHOWN. TWO TRAPS REQUIRED WHEN CONDENSATE LOAD IS 5,000 LBS/HR OR GREATER.
  5. SUPPLY & RETURN PIPES ARE SHOWN FROM SAME END. REHEAT COIL MAY HAVE SUPPLY & RETURN PIPES FROM OPPOSITE ENDS.



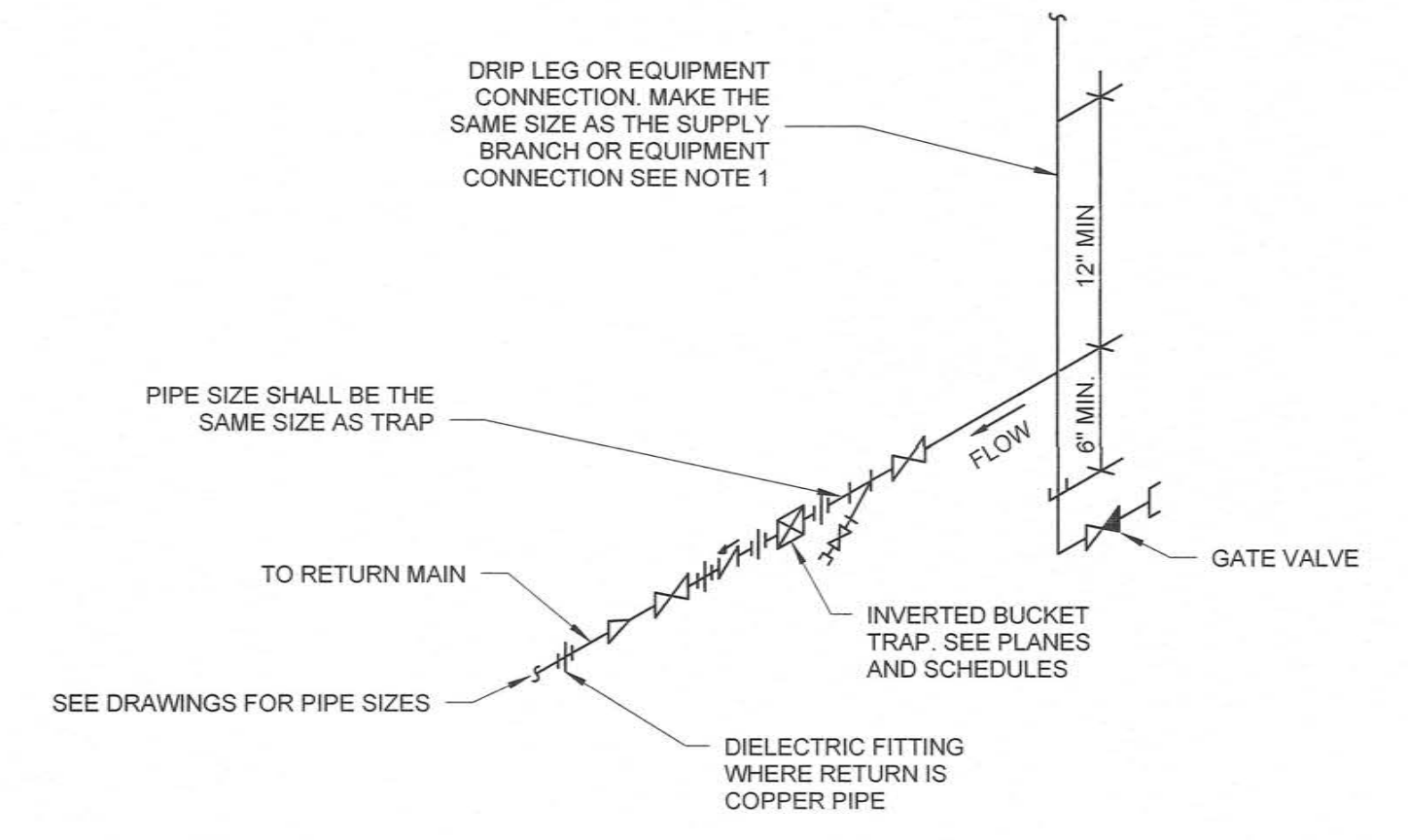
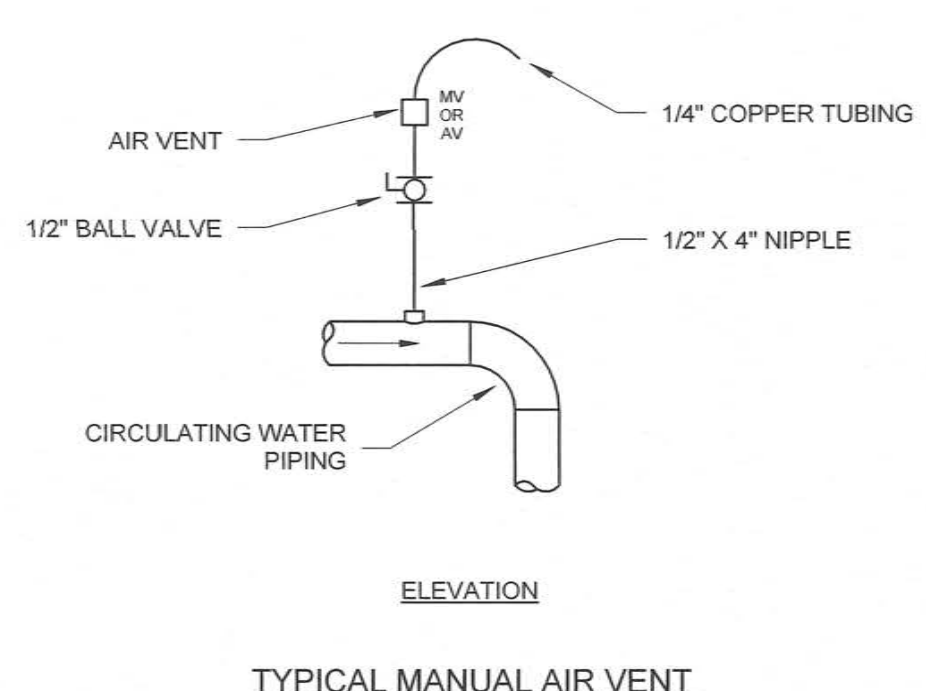
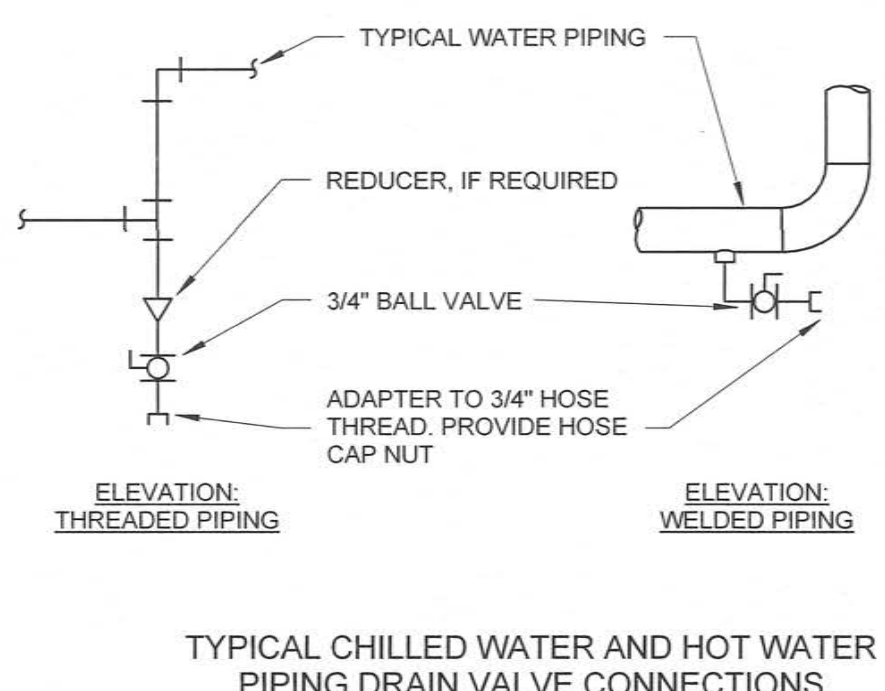
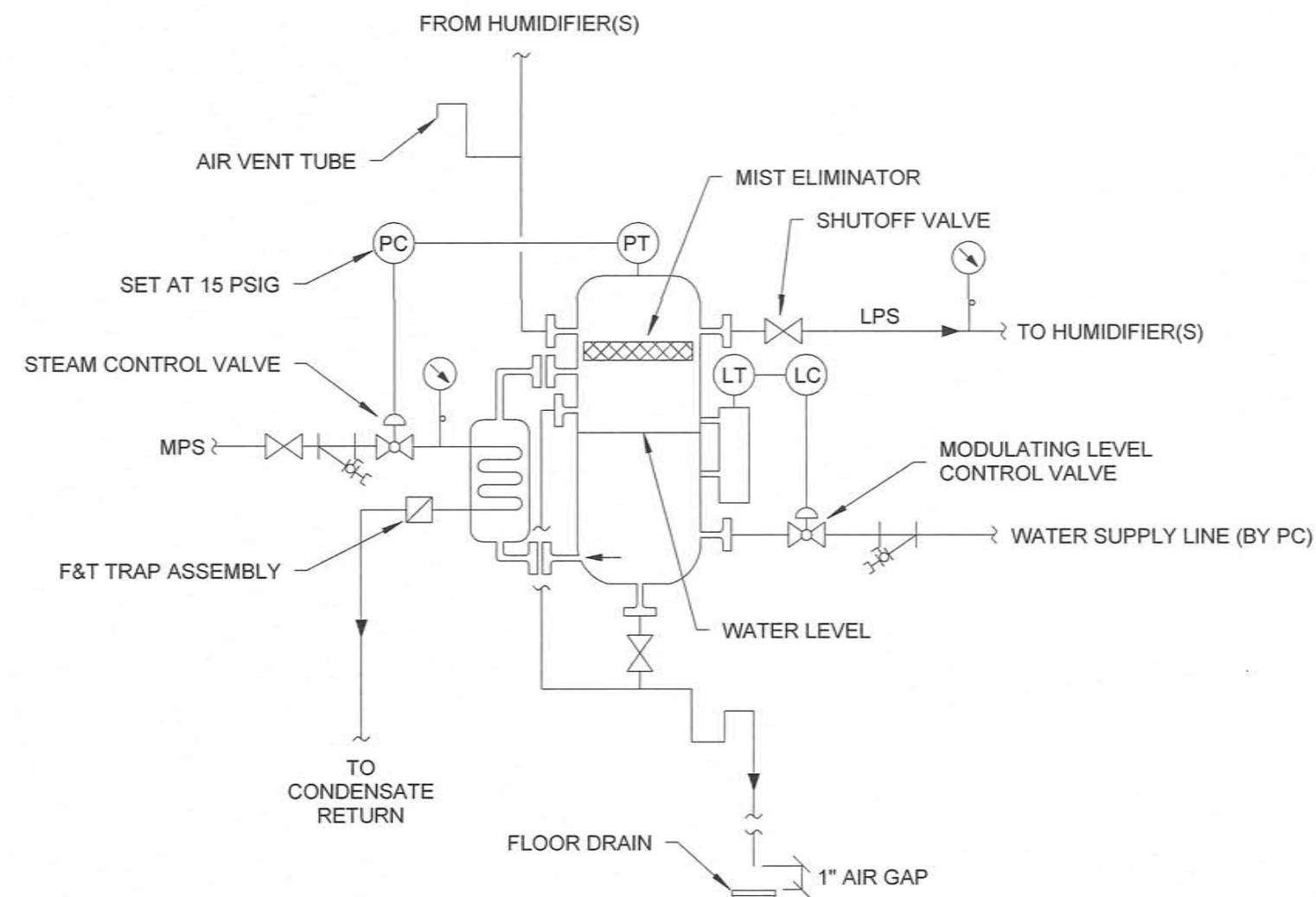
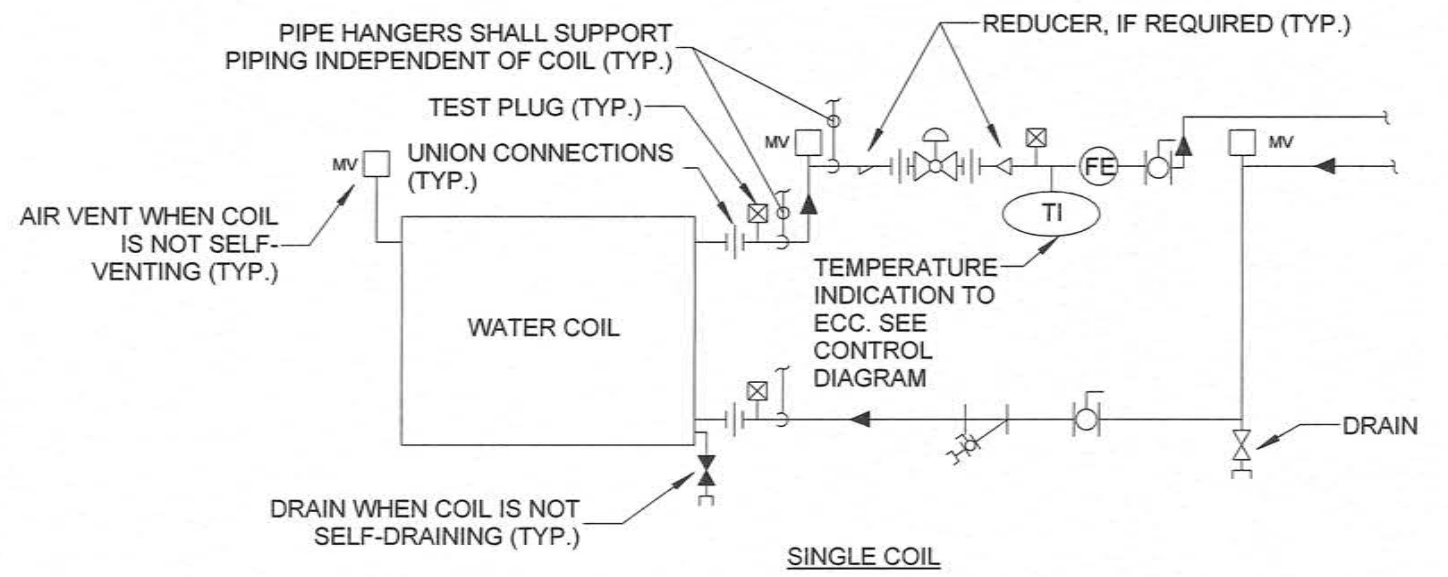
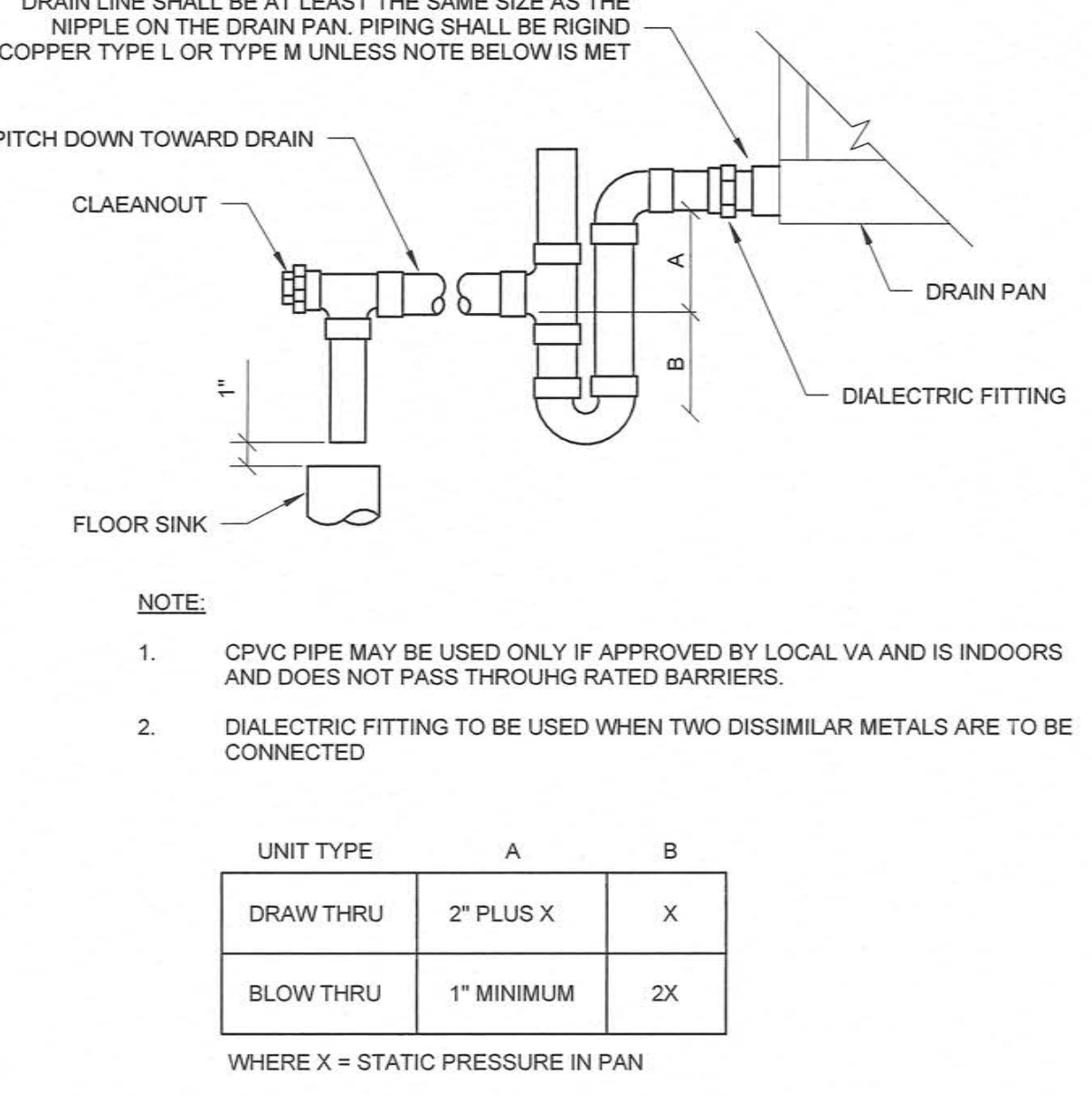
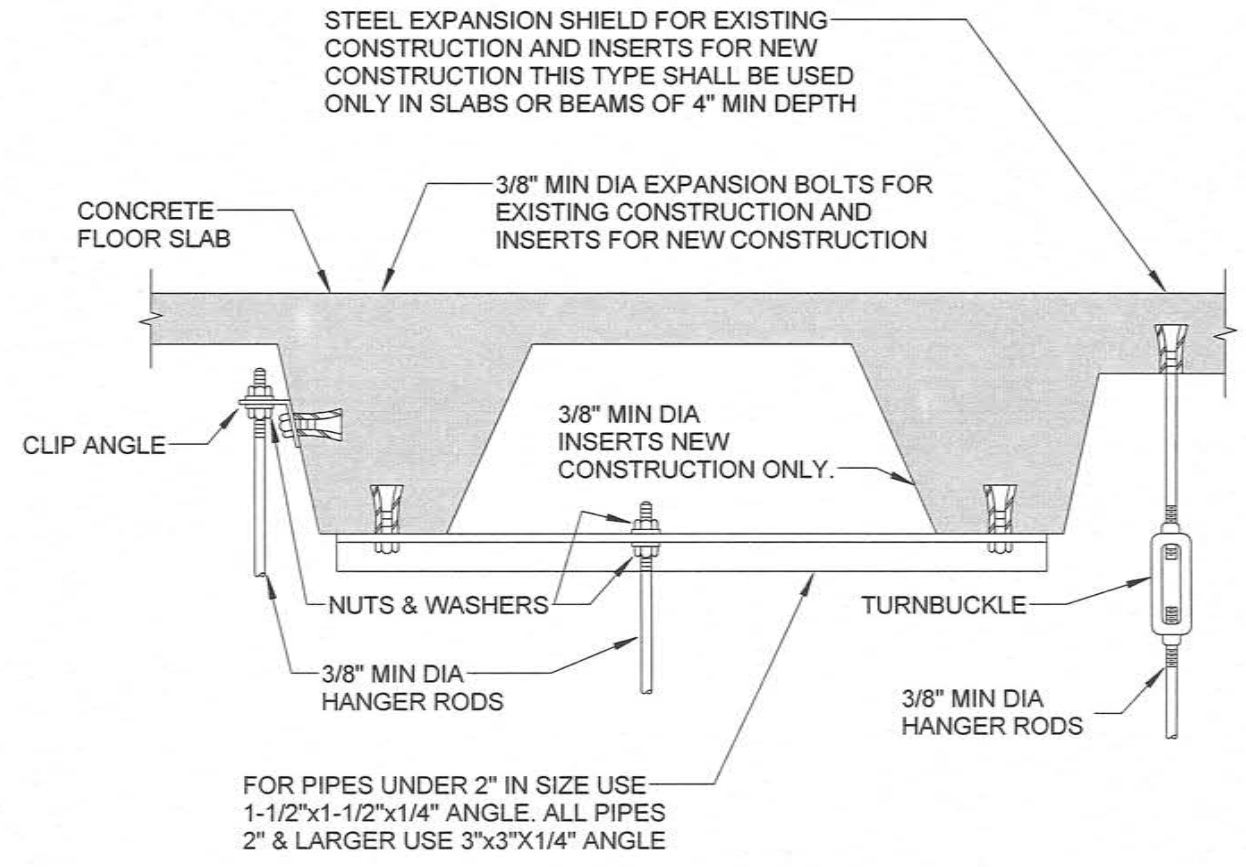
MAXIMUM PIPE/TUBING SUPPORT SPACING																
NOM. SIZE (IN.)	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18
PIPE (FT.)	7	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28
TUBING (FT.)	5 FT	6	7	8	8	9	10	12	13	14	16	-	-	-	-	-

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE



**STEAM HUMIDIFIERS:**

RETURN (OR EXHAUST) AIR HUMIDITY SHALL BE MONITORED. ON A CALL FOR HUMIDIFICATION, HUMIDIFIER VALVE V-1 SHALL MODULATE TO MAINTAIN THE RETURN (OR EXHAUST) AIR HUMIDITY SET POINT TO 30% (ADJUSTABLE). PRIOR TO ACTIVATION OF V-1, THE ON/OFF CONTROL VALVE V-2 SHALL BE ENABLED THROUGH ECC AND JACKET TEMPERATURE SENSED BY TSH SHALL BE WARM ENOUGH TO PREVENT CONDENSATION. THE HIGH LIMIT HUMIDITY SENSOR, LOCATED IN THE SUPPLY AIR DUCT 10 FEET AWAY FROM THE HUMIDIFIER SHALL DISABLE THE HUMIDIFIER AND GIVE AN ALARM SIGNAL TO THE ECC. IF THE SUPPLY AIR HUMIDITY EXCEEDS 90% RH (ADJUSTABLE), THE AIRFLOW SWITCH SHALL PROVE AIRFLOW BEFORE HUMIDITY CONTROLS ARE ACTIVATED.



<b>CONSULTANTS:</b> Amended Per Owner's Comments No Rev Clouds 10/17/2014 Revisions Date		<b>PROJECT MANAGER:</b>  Raleigh, NC Indianapolis, IN Philadelphia, PA Fort Collins, CO Virginia Beach, VA (919) 858-7420 www.acg-pa.com NC License # C-1848		Project Number 2013121	Scale N.T.S.	Drawing Title MECHANICAL DETAILS - PIPING	Project Title REPLACE AIR HANDLING UNITS 3, 14, & 34	VA Project Number 246-13-C-0106	Office of Facilities Management 
						Approved: Project Director	Location 2300 RAMSEY STREET, FAYETTEVILLE, NC 28301	Building Number 1 AND 3	
							Date 08/28/2014	Checked DJR	
							Drawn SPG	Drawing Number M-502	
								Dwg. 11 of 18	

100% CONSTRUCTION DOCUMENTS