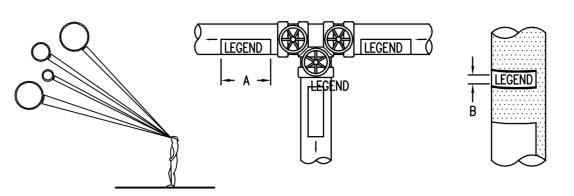


PROVIDE STEEL PIPE INSULATION SADDLES ON ALL PIPES SUPPORTED BY ROLLERS. 2. INSTALLATION FOR PIPES SUPPORTED VERTICALLY ALONG WALLS SHALL BE SIMILAR TO U-BOLT INSTALLATIONS SHOWN ABOVE.

TYPICAL TRAPEZE PIPE HANGER DETAIL M4.01 NO SCALE



1. ONLY FACTORY MANUFACTURED MARKERS AS FOLLOWS WILL BE ACCEPTABLE:
PIPES 3/4" THRU 5-7/8" DIAMETER: USE "SNAP-AROUND" TYPE.
PIPES 6" DIAMETER AND LARGER: USE "STRAP-AROUND" TYPE.

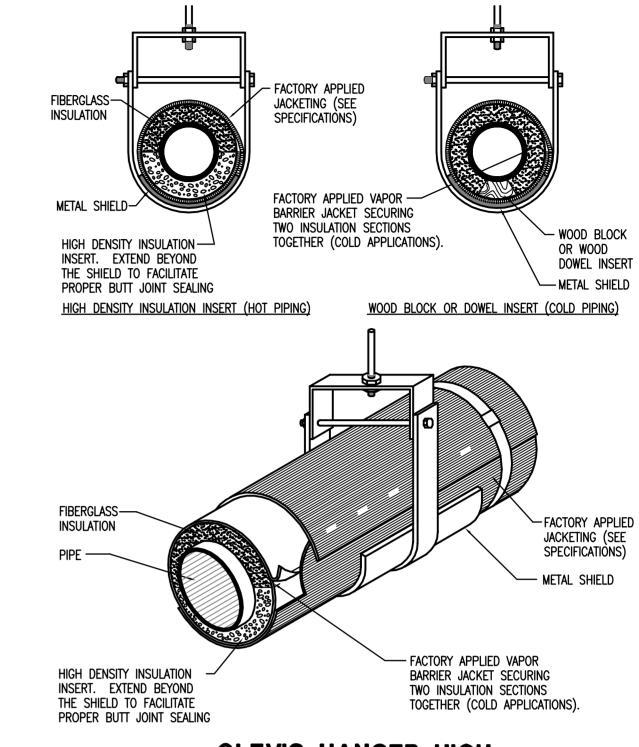
STENCILS AND STICK-ON TYPE MARKERS WILL NOT BE PERMITTED. 2. IDENTIFICATION MARKERS TO BE PLACED ON ALL EXPOSED COVERED AND UNCOVERED PIPES AT 20'-0" INTERVALS AND AT ALL VALVES AND BRANCHES AND ON BOTH SIDES OF WALLS WHERE PIPES PASS THROUGH SAME. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.

SIZE OF LEGEND LETTERS				
OUTSIDE DIAMETER	LENGTH OF	SIZE OF		
OF PIPE	COLOR FIELD	LETTERS		
OR COVERING	A	B		
3/4" TO 1-1/4"	8"	1/2"		
1-1/2" TO 2"	8"	3/4"		
2"-1/2" TO 6"	12"	1-1/4"		

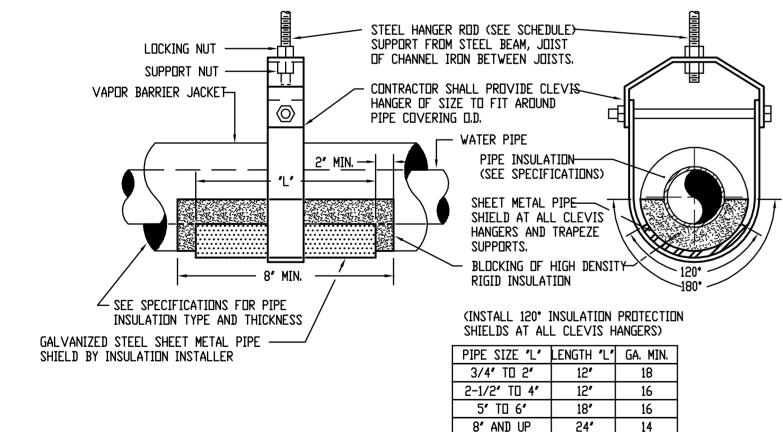
PLAN TAG	SERVICE	IDENTIFICATION MARKER
BWS BWR	BOILER WATER SUPPLY BOILER WATER RETURN	BLACK LETTERING ON YELLOW BACKGROUND BLACK LETTERING ON YELLOW BACKGROUND
HWS HWR G MU HCWS HCWR CHWS	HOT WATER HEATING SUPPLY HOT WATER HEATING RETURN NATURAL GAS MAKE—UP WATER (H.W. TANK) CHILLED/HOT WATER SUPPLY CHILLED/HOT WATER RETURN CHILLED WATER SUPPLY	BLACK LETTERING ON YELLOW BACKGROUND BLACK LETTERING ON YELLOW BACKGROUND BLACK LETTERING ON YELLOW BACKGROUND WHITE LETTERING ON GREEN BACKGROUND BLACK LETTERING ON YELLOW BACKGROUND BLACK LETTERING ON YELLOW BACKGROUND WHITE LETTERING ON GREEN BACKGROUND
CHWR C	CHILLED WATER RETURN CONDENSATE	WHITE LETTERING ON GREEN BACKGROUND BLACK LETTERING ON YELLOW BACKGROUND

TYPICAL PIPE IDENTIFICATION MARKERS

M4.01 NO SCALE



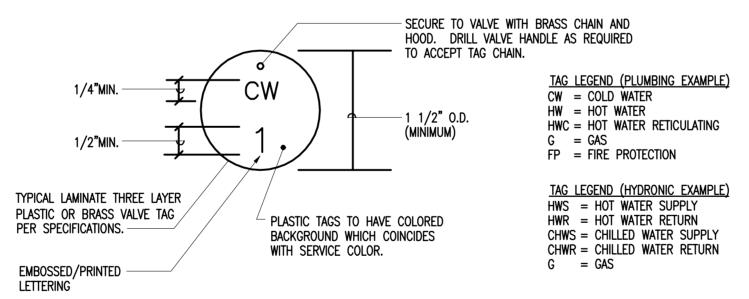




INSTALL 360° INSULATION PROTECTION SHIELDS AT ALL PIPING SECURED WITH U-BOLTS AND U-CLAMPS. PROVIDE HIGH DENSITY INSULATION SUPPORTS AT ALL CLEVIS HANGERS, SUPPORTS AND TRAPEZE HANGERS. PROVIDE STEEL PIPE INSULATION SADDLES ON ALL PIPES SUPPORTED BY ROLLERS.

PIPE COVERING PROTECTION SHIELDS & PIPE SADDLES

M4.01 NO SCALE



- ① ABBREVIATIONS TO BE AS INDICATED FOR EACH DESIGN SYSTEM AS INDICATED ON DESIGN DRAWINGS.
- ② VALVE TAGS SHOULD BE INDICATED IN "VALVE CHARTS" AND ON "PROJECT RECORD" DRAWINGS TO CORRELATE WITH TAG I.D.'S.

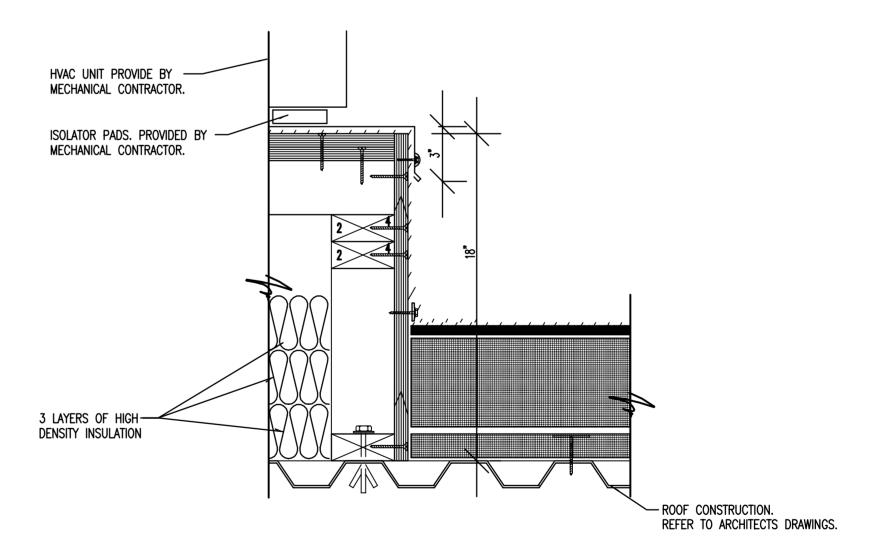
6 VALVE TAG DETAIL & VALVE CHART FORMAT EXAMPLE

NOTE: REFERENCE ALL "VALVE TAGS" TO "VALVE TAG CHARTS", "AS-BUILT DWGS", AND "O & M MANUALS DATA" (INDEX VALVES PER CHART). EXAMPLE VALVE TAG CHART

_								
	VALVE	TAG CHART FOR: XXX	XXXXX MOD: XXX AREA: XXX	W	/ING:	XX FLC	OR: XX	
	VALVE TAG #	LOCATION (ALSO SEE AS-BUILT DWGS)	FUNCTION (WHAT IT DOES & WHAT/WHERE IT SERVICES)	TYPE	SIZE	MANUFACTURER	MODEL NUMBER	
	CW-1	RM. XXX - ABOVE CEILING	ON/OFF - FIXTURES IN RM. XXX & XXX	BV	1"	BELL & GOSSETT	XX-XXX-XX	
[CW-2	CORR. XXX - ABOVE DOOR • RM. XXX	BALANCE - 2ND FLOOR, EAST SIDE, NORTH WING	BF.V	1 1/2"	ALLEN BRADLEY	XX-XXX-XX	
*	CW-3	BOILER RM. XXX - NE CORNER	ON/OFF - MAIN - BLDGS X,Y & Z	GV	8"	BELL & GOSSETT	XX-XXX-XX	
	CW-4	RM. XXX — BEHIND N. ACCESS PANEL	ON/OFF - EXTERIOR FIELDHOUSE & FIELD HYDRANT - IRRIGATION	BV	3"	М & М	XX-XXX-XX	
	HW-1	RM. XXX - ABOVE CEILING	ON/OFF - MIXING VALVE - EYEWASH	BV	1"	GTM & S	XX-XXX-XX	

* ALL MAJOR SYSTEMS ON-OFF, CONTROL AND BALANCING VALVES SHOULD HAVE AN ASTERISK "*"

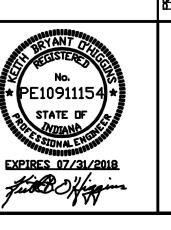
PROVIDE 8 1/2" x 11" VALVE TAG SHEETS IN A 3 RING BINDER FOR REPRODUCTION AND/OR FUTURE EDITING.



1. ALL WOOD BLOCKING TO BE TREATED WITH JOINTS STAGGERED, MITERED, AND SCREWED TIGHT 2. CURB TO BE EQUAL TO THYCURB MODEL TC-3 ITH INSULATED PLATFORM STYLE BASE. CURB TO HAVE FLAT TOP, MINIMUM 14 GAUGE GALVANIZED STEEL CONSTRUCTION, BOTTOM FLOOR AND REMOVABLE PLYWOOD TOP (2 LAYERS AT 3/4") WITH 20 GAUGE COVER. CONTRACTOR TO FIELD PROVIDE AND INSTALL 3 LAYERS OF HIGH DENSITY SOUND INSULATION IN CURB CAITY FOR SOUND BREAK. CURB TO BE FACTORY ENGINEERED TO MATCH HVAC UNIT BEING SUPPORTED.

HVAC PLATFORM CURB DETAIL M4.01 NO SCALE

SEE ARCHITECTURAL DETAILS FOR ROOFING REQUIREMENTS.



CORPORATION

CHOOL

DUNEL AND

8' AND UP 24' 14