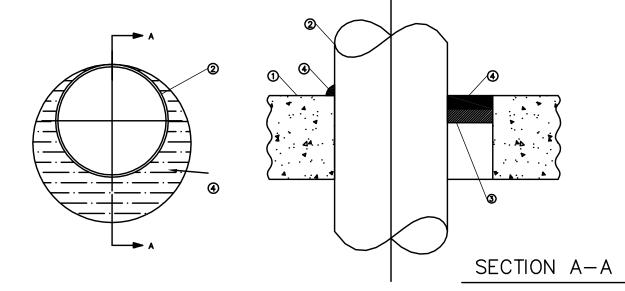


PIPE CLEVIS HANGER DETAIL 2 LOWER ATTACHEMENT

3



(1) CONCRETE (FLOOR OR WALL)

(2) PIPE		MAX. ANNULAR SPACE	(3) DAMMING MATERIAL MW, CF	(4) 3M FIRE STOP FB2000 FB2003	RATINGS		
TYPE	SIZE				F	Т	Н
STEEL	12" (300mm)	1-3/8" (34mm)	1" (25mm)	1/2" (13mm)	2	0	2
	1/2"-20" (13mm-500mm)	2" (50mm)	1" (25mm)	1/2" (13mm)	3	0	3
	22"-30" (500mm-750mm)	2" (50mm)	1" (25mm)	1/2" (13mm)	3	0	3
CONDUIT	CONDUIT 6" (150mm)		1" (25mm)	1/2" (13mm)	2	0	2
COPPER TUBING	PPER TUBING 3" 1 (75mm) (3		1" (25mm)	1/2" (13mm)	2	0	2
EMT 4" (100mm)		1-3/8" (34mm)	1" (25mm)	1/2" (13mm)	2	0	2

NOTE: WALLS-FIRE STOP BOTH SIDES.

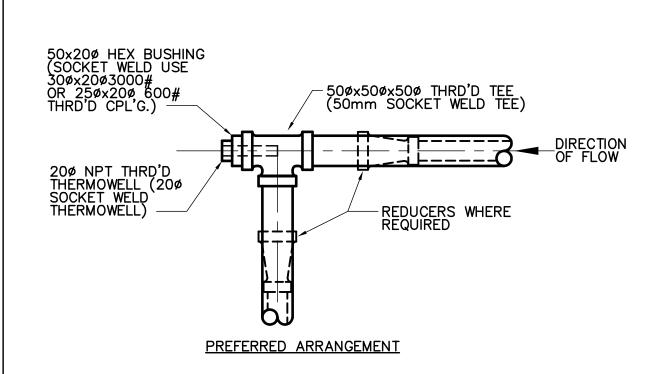
CF=CERAMIC FIBER

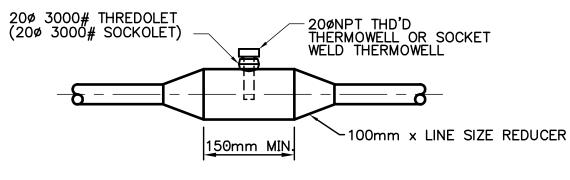
BR=BACKER ROD

SLEEVING & FIRE STOPPING OF PIPE \PASSING THRU FIRE-RATED WALLS SCALE N.T.S.

FI=FIBER INSULATION

MW=MINERAL WOOL



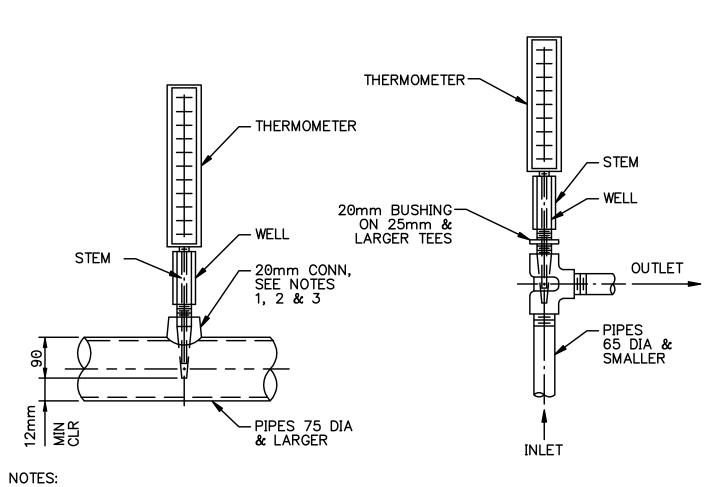


USE ONLY IF OTHER ARRANGEMENTS ARE IMPRACTICAL LEAST PREFERRED ARRANGEMENT

THERMOWELL INSTALLATION DETAIL 4 IN 500 & SMALLER LINES

GUIDE	P - PIPE SIZE (mm)							
SIZE NO	T - INSULATION THICKNESS (mm)							
3121 110	25	40	50	65	75	100		
Α	25-40	25-40	25-40					
В	50-75	50-75	50-75	50-65				
С	100 & 130	100 & 130	100 & 130	25 & 100	25-50 & 100	25-50		
D	150	150	150	75 & 150	65-75 & 150	65 & 100		
E		200	200	130 & 200	130 & 200	130 & 150		
F		250 & 300	250 & 300	250 & 300	250 & 300	200 & 250		

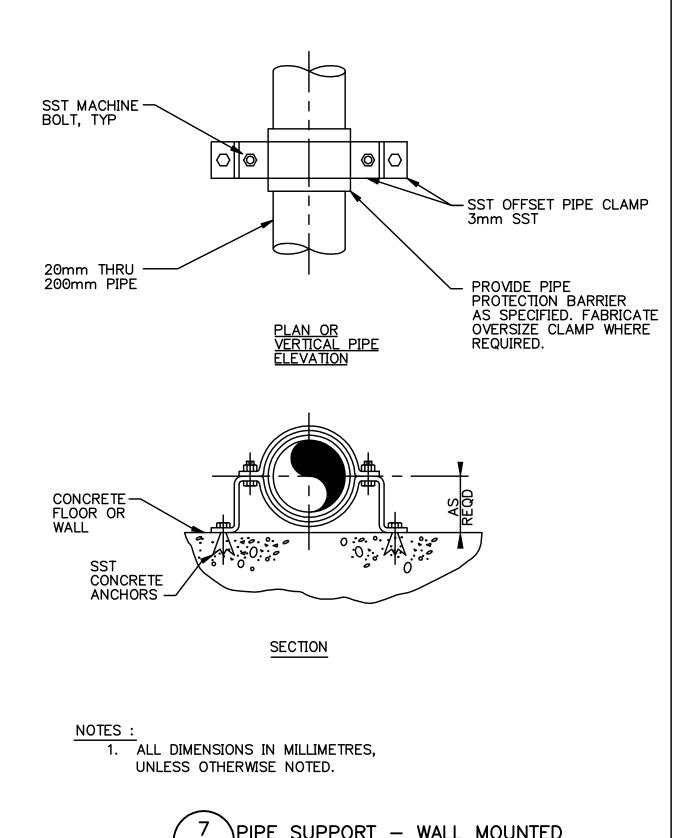
GUIDE	DIMENSIONS (mm)							
SIZE NO	Α	В	С	D	E	F	G	Н
Α	224	171	200	110	171	38	102	16
В	275	222	251	135	187	38	102	16
С	349	286	316	168	200	51	152	16
D	403	340	376	202	248	51	152	19
Ε	457	394	433	231	248	51	152	25
F	565	502	535	279	359	102	203	25



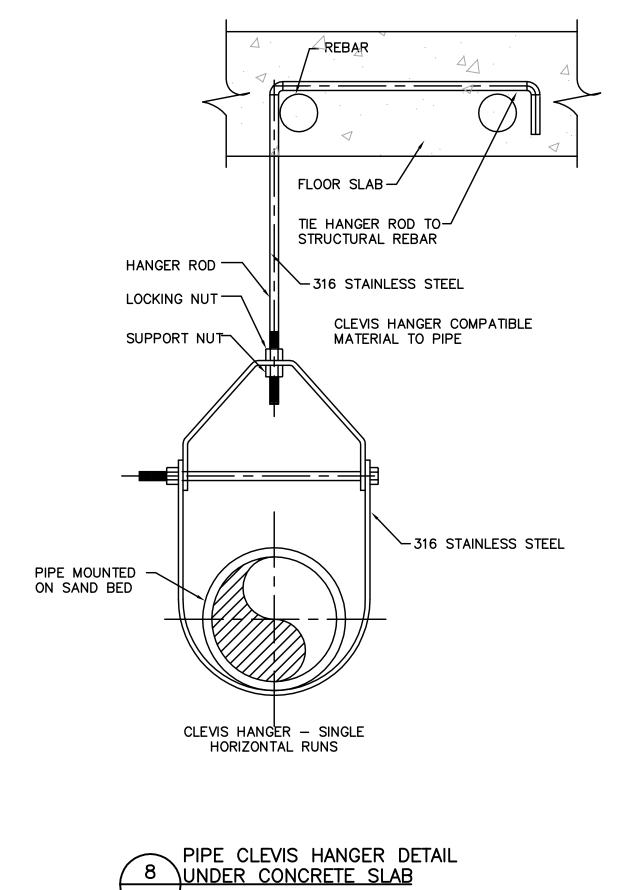
1. ALL DIMENSIONS IN MILLIMETRES, UNLESS OTHERWISE NOTED.

- 2. FOR STEEL, GALVANIZED STEEL AND PVC 65mm AND SMALLER, USE A 20mm BUSHING IN TEE.
- 3. FOR DUCTILE IRON AND FIBERGLASS REINFORCED PLASTIC PIPE, ALL SIZES, USE A 20 mm OUTLET PIPE SADDLE.
- 4. FOR STEEL AND STAINLESS STEEL PIPES 80mm AND LARGER, AND PRESSURE VESSELS, USE 20mm THRED-O-LETS AS SHOWN.

THERMOMETER MOUNTING



<u> PIPE SUPPORT - WALL MOUNTED</u>



STANDARD DETAILS

ENGINEER'S SEAL CH2MHILL ELEV. **EarthTech** Frederickson Cooper ORIGINAL SIGNED BY ARCHITECTS A. M. AFTANAS CHECKED BY DESIGNED PVL/AMA Certificate of Authorization 2007/01/31 APPROVED DRAWN Earth Tech Canada Inc. RELEASED FOR CONSTRUCTION BY: N.T.S. SCALE: No. 730 Expiry: April 30, 2007 CONSULTANT DRAWING NO. R. SOROKOWSKI 00 ISSUED FOR TENDER 07/01/31 LJW NO. REVISIONS DATE BY DATE 06/10/25 DATE 2007/01/31

WS-H0401

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT Winnipeg ENGINEERING DIVISION CITY FILE NUMBER WATER TREATMENT PLANT BULK CHEMICAL STORAGE SHEET SODIUM HYPOCHLORITE AND CHEMICAL STORAGE BUILDING CITY DRAWING NUMBER MECHANICAL

1-0601S-D-H0401-001-00D