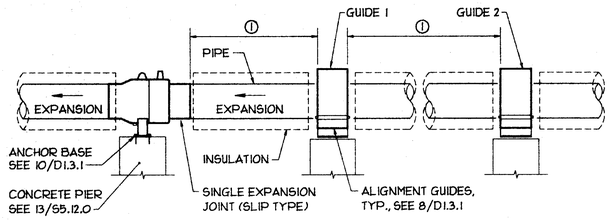
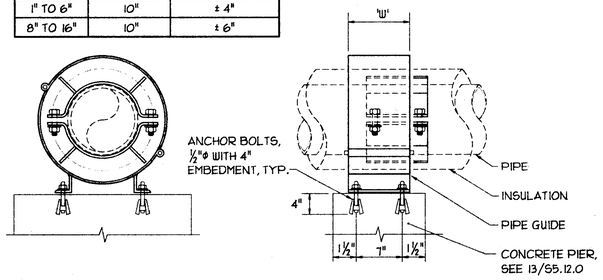
NOTE:
① SEE EXPANSION JOINT SCHEDULE ON D1.2.1 FOR SPACING OF PIPE GUIDES.

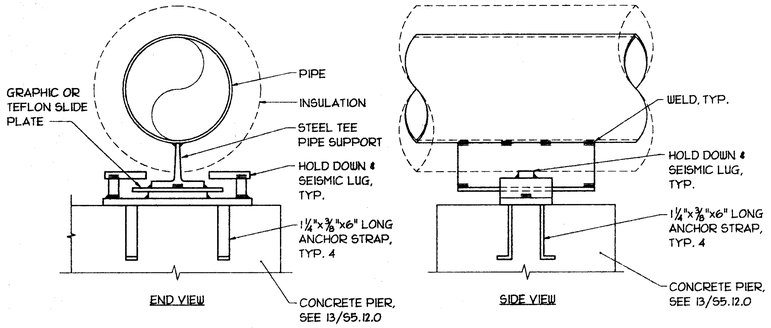


7 ANCHORED EXPANSION JOINT DETAIL
D1.3.1 SCALE : NONE

DIMENSION TABLE		
PIPE SIZE	DIMEN. 'W'	MAX. MOVEMENT
1" TO 6"	10"	± 4"
8" TO 16"	10"	± 6"

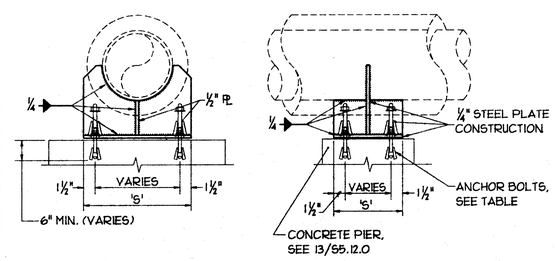


8 ALIGNMENT GUIDE DETAIL
D1.3.1 SCALE : NONE

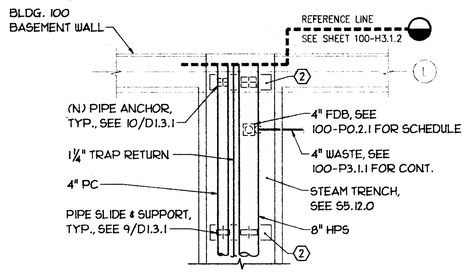


9 DETAIL OF PIPE SLIDE SUPPORT
D1.3.1 SCALE : NONE

DIMENSION TABLE FOR PIPE ANCHORS			
PIPE SIZE	DIMEN. 'S'	ANCHOR	EMBED.
1½"	8"	⅜"ø	2½"
2½"	8"	⅜"ø	2½"
3"	10"	½"ø	3½"
4"	10"	½"ø	3½"
6"	11"	⅝"ø	4"
8"	13"	¾"ø	5"
10"	14"	¾"ø	5"

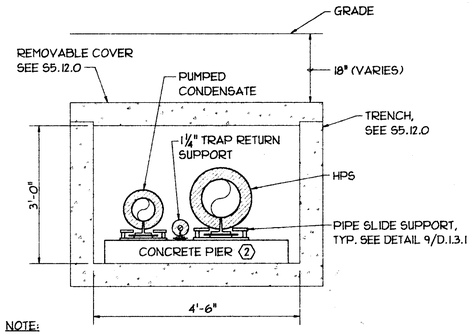


10 PIPE ANCHOR DETAIL
D1.3.1 SCALE : NONE



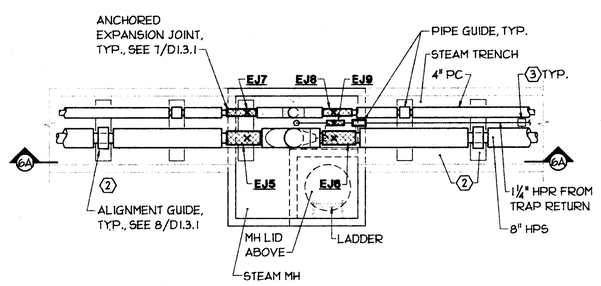
NOTE:
ALL ITEMS ARE NEW, U.O.N.

4 STEAM TUNNEL DETAIL
D1.3.1 SCALE : 1/4" = 1'-0"

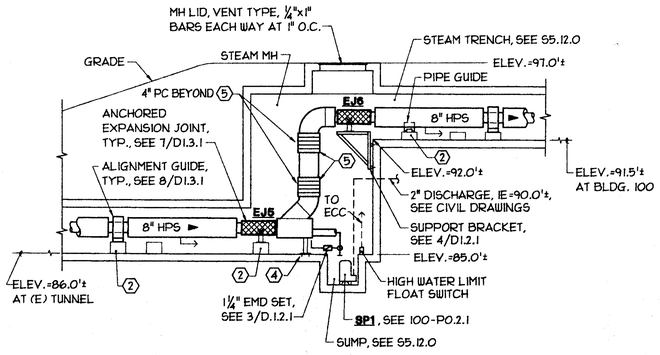


NOTE:
ALL ITEMS ARE NEW, U.O.N.

5 SECTION THRU STEAM TRENCH
D1.3.1 SCALE : 3/4" = 1'-0"



PLAN

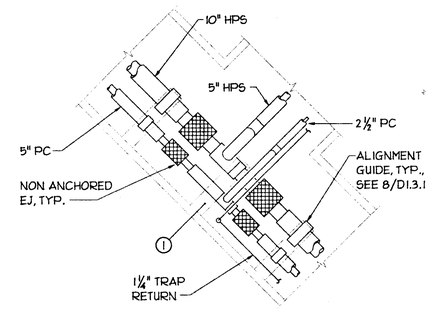


SECTION 6A

NOTES:
1. FOR CONT. OF STEAM PIPING IN TRENCH SEE SHEET D1.1.1.
2. ALL WORK IS NEW, U.O.N.

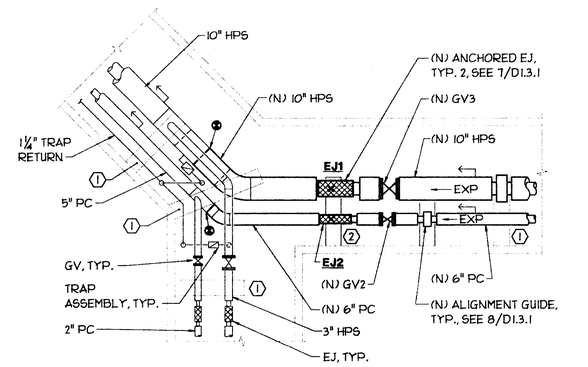
6 STEAM MANHOLE DETAIL
D1.3.1 SCALE : 1/4" = 1'-0"

SHEET NOTES:
① VERIFY LOCATION OF (E) CONCRETE PIERS FOR PIPE ANCHOR, GUIDE & SUPPORT, ADJUST HEIGHT AS REQUIRED FOR (N) PIPING, TYP.
② NEW CONCRETE PIERS FOR PIPE ANCHOR, GUIDE & SUPPORT, LOCATION APPROXIMATE, ADJUST HEIGHT AS REQUIRED FOR (N) PIPING, TYP. SEE SPECIFICATION SECTION 15050 FOR SPACING.
③ INTERMEDIATE SUPPORT FOR 1¼" TRAP DRAIN PIPE.
④ 3"ø PIPE SUPPORT, WELD ONE END TO 8" HPS & OTHER END TO 6" SQ. P.L., SECURE P.L. TO FLOOR WITH (2) ½"ø ANCHOR BOLTS WITH 3" MIN. EMBEDMENT.
⑤ FLANGED END STAINLESS STEEL GIMBAL TYPE BELLOWS WITH 2 CORRUGATIONS, AXIAL COMPRESSION OF ¾".
⑥ PROVIDE HANGER AT EACH SIDE OF VALVE.



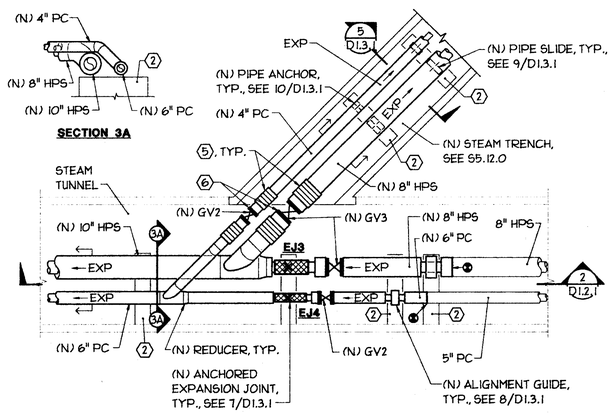
NOTES:
1. ITEMS SHOWN ARE EXISTING, U.O.N.
2. FOR CONT. OF STEAM PIPING IN TUNNEL SEE SHEET D1.1.1.

1 STEAM TUNNEL DETAIL
D1.3.1 SCALE : 1/4" = 1'-0"



NOTES:
1. ITEMS SHOWN ARE EXISTING, U.O.N.
2. FOR CONT. OF STEAM PIPING IN TUNNEL SEE SHEET D1.1.1.

2 STEAM TUNNEL DETAIL
D1.3.1 SCALE : 1/4" = 1'-0"



NOTES:
1. ITEMS SHOWN ARE EXISTING U.O.N.
2. FOR CONT. OF STEAM PIPING IN TUNNEL SEE SHEET D1.1.1.

3 STEAM TUNNEL DETAIL
D1.3.1 SCALE : 1/4" = 1'-0"

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911115 PROJECT NO.

Revisions	Date

Location: VA Medical Center, Palo Alto, CA

Project Title: REPLACE CLINICAL/ BED TOWER FOR SEISMIC CORRECTIONS

FULLY SPRINKLERED

TRA Project No.	Checked	Drawn
93007	TGJ	DA

Drawing Title: STEAM PIPING TUNNEL & TRENCH SECTIONS & DETAILS

Scale: AS SHOWN

VA Project No.	Building Number
640-042G	100

Date: 2 MAY 1994

DRAWING NO. D1.3.1 Dwg of

three-quarters inch = one foot — three inches = one foot — one and one-half inches = one foot — one inch = one foot — three-quarters inch = one foot — one-half inch = one foot — three-eighths inch = one foot — one-quarter inch = one foot — one-eighth inch = one foot
911115 / D1-3-1 - May 11, 1994 - REL - 20