
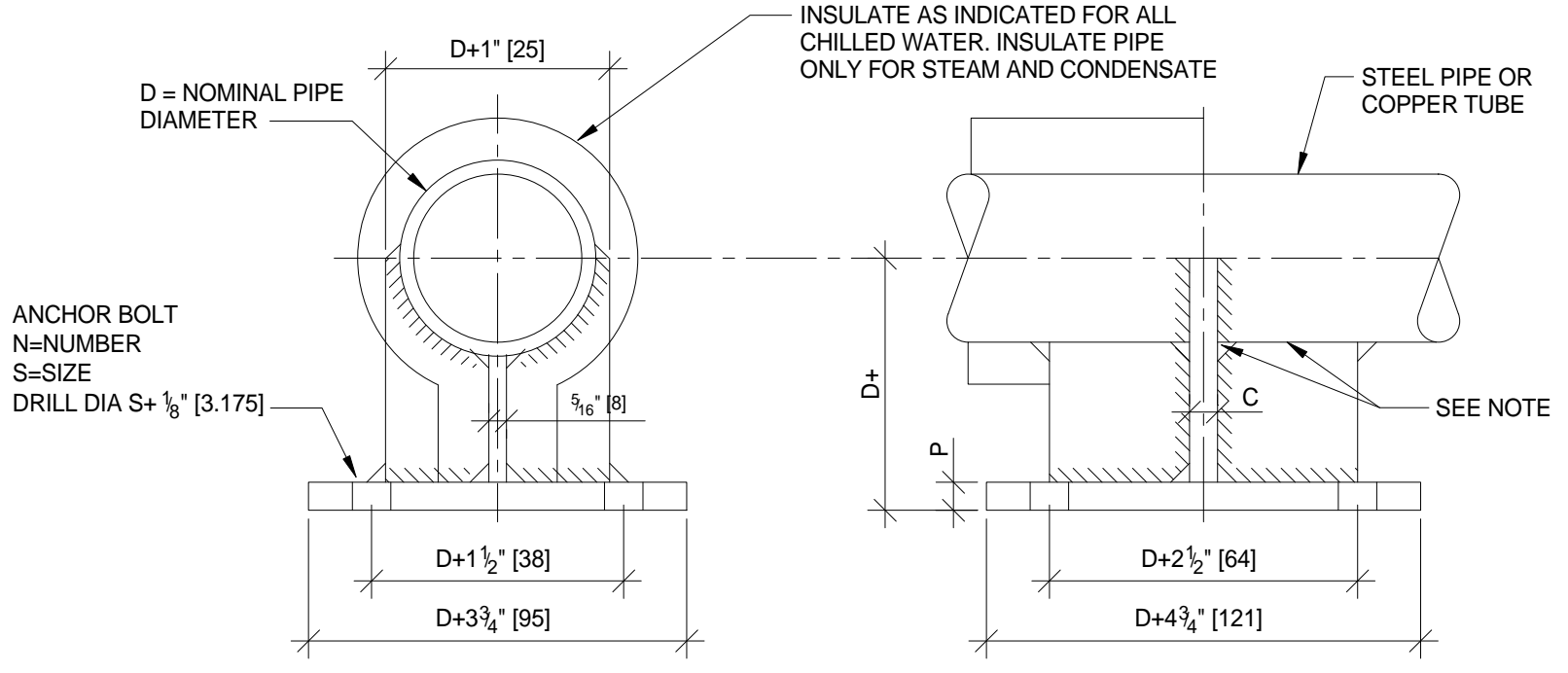


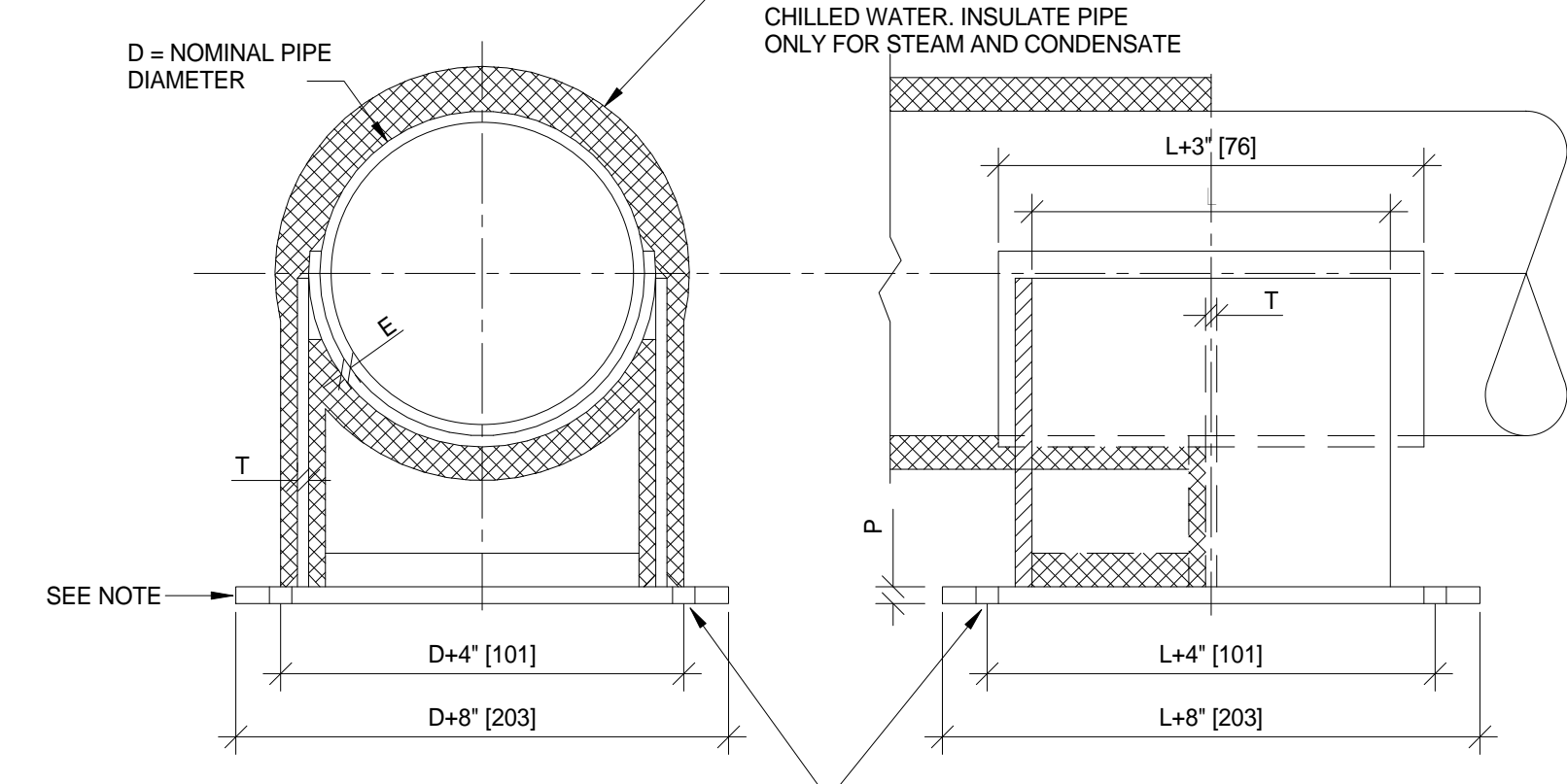
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

PIPE ANCHOR SCHEDULE												BOLT PATTERN
D		P		C		N		S				
IN	MM	IN	MM	IN	MM	IN	MM	IN	MM			
1½	38	⅝	10	⅜	6	4	102	½	13			
2	51	⅝	10	⅝	10	4	102	⅝	16			
2½	64	¾	10	⅝	10	4	102	⅝	16			
3	76	¾	13	⅝	13	4	102	⅝	16			
4	102	⅝	16	¾	19	4	102	¾	19			

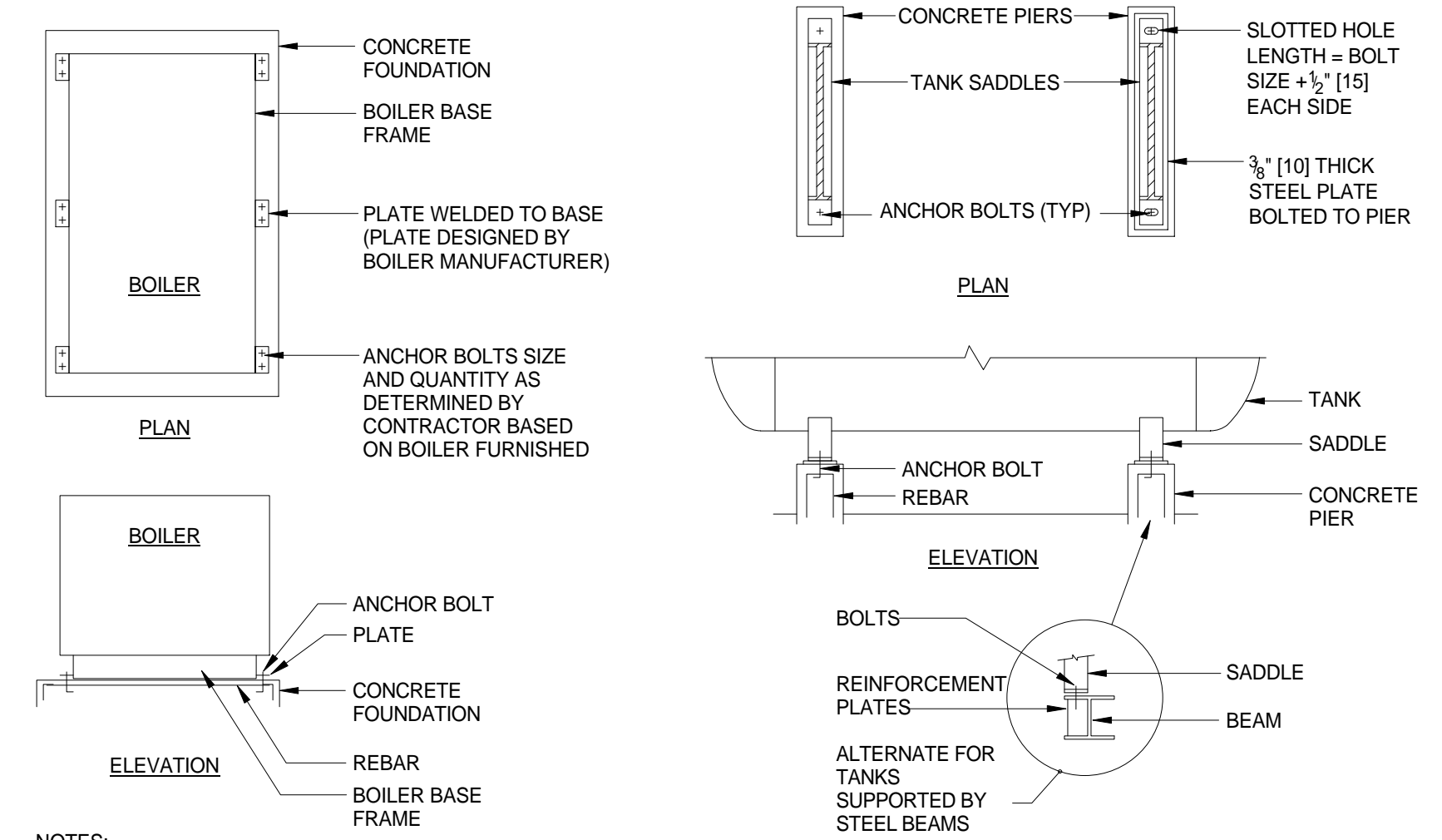


DETAIL - SMALL PIPE ANCHOR 1 1/2"-4"
SCALE: NONE

PIPE ANCHOR SCHEDULE												BOLT PATTERN	
D		L		P		T		E		N			S
IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM		
6	152	8 1/2	216	3/4	19	11	10	6	4	102	25 3/8	22	
8	203	10	254	3/4	19	1 1/2	13	1 1/4	6	4	102	25 3/8	22
10	254	12	305	3/4	19	1 3/4	13	1 3/4	6	4	102	25 3/8	22
12	305	14	356	3/4	19	1 7/8	13	1 7/8	6	4	102	25 3/8	22
14	356	16	406	3/4	19	2	13	1 7/8	13	4	102	25 3/8	22
16	406	18	457	3/4	19	2 1/8	13	1 7/8	13	4	102	25 3/8	22
18	457	20	508	1	25	1 1/2	16	1 3/4	13	6	152	1	25

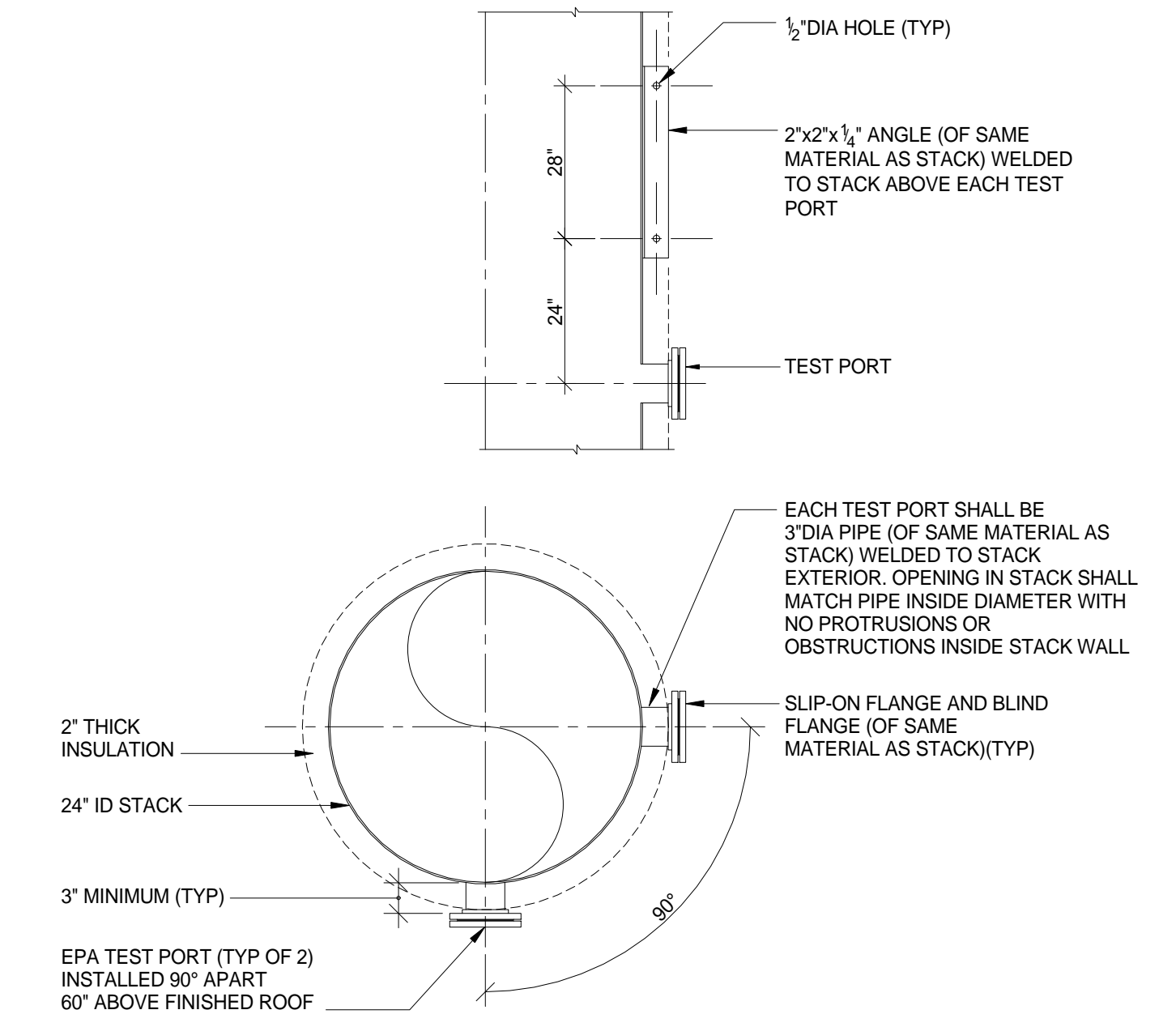


DETAIL - LARGE PIPE ANCHOR 6"-18"
SCALE: NONE

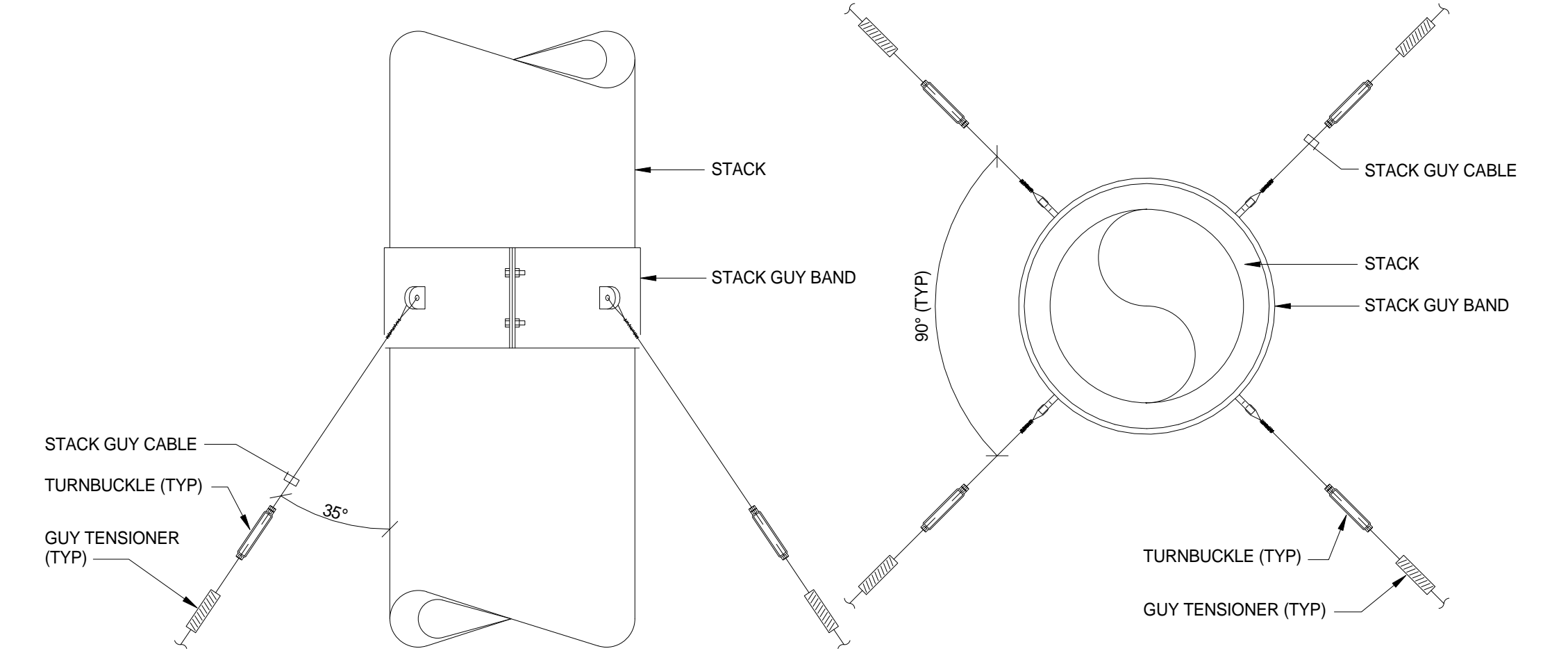


NOTES:
1. REFER TO SYMBOL AND SCHEDULE CHEETS FOR SEISMIC FORCE DESIGN INFORMATION.
2. PROVIDE SLOTTED HOLES IN PLATES TO ALLOW THERMAL EXPANSION AS RECOMMENDED BY THE MANUFACTURER.

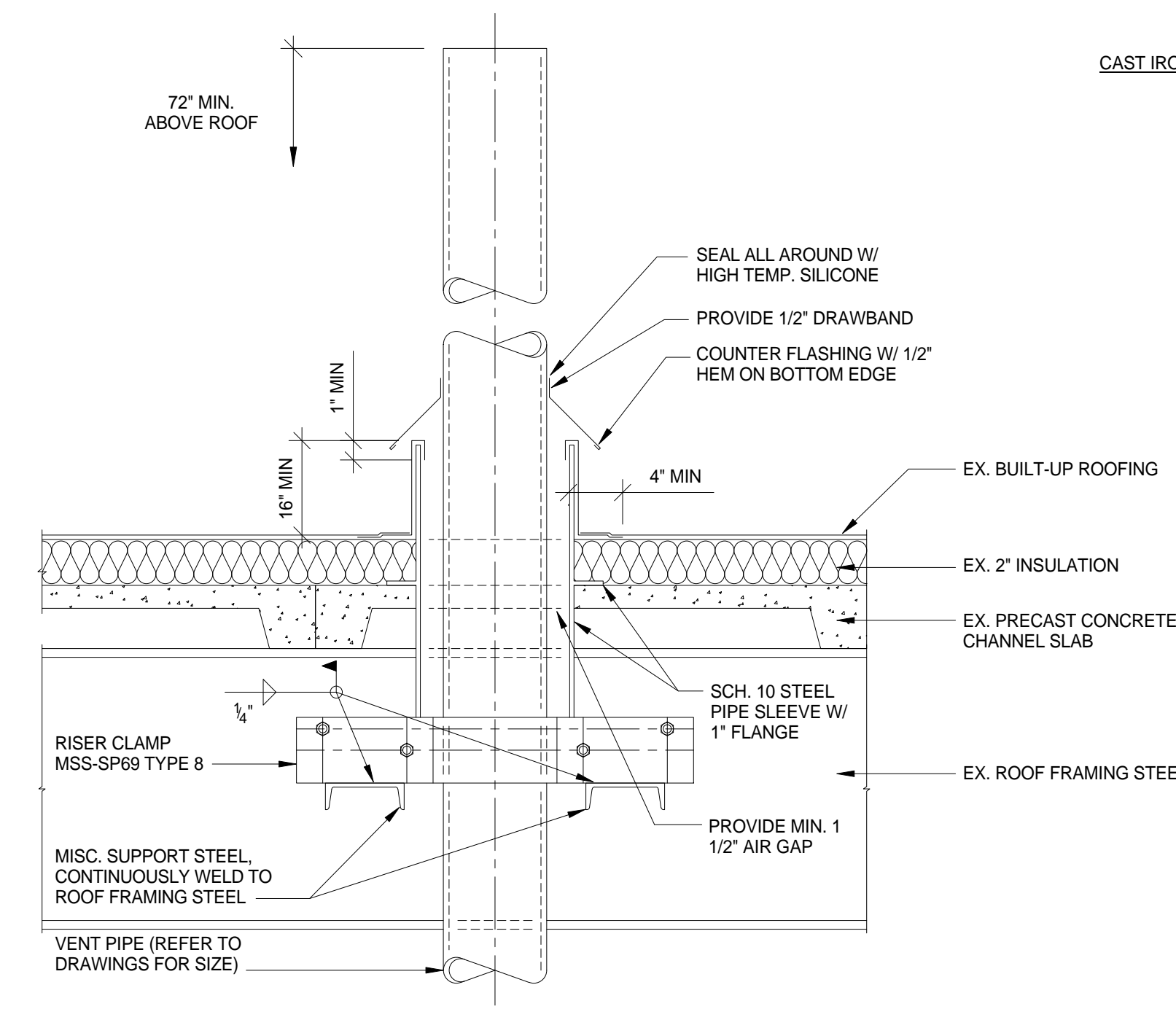
DETAIL - TYPICAL EQUIPMENT ANCHORING
PACKAGED BOILER, DEAERATOR, CONDENSATE STORAGE TANK
SCALE: NONE



DETAIL - TYPICAL BOILER STACK EPA TEST PORTS
SCALE: NONE

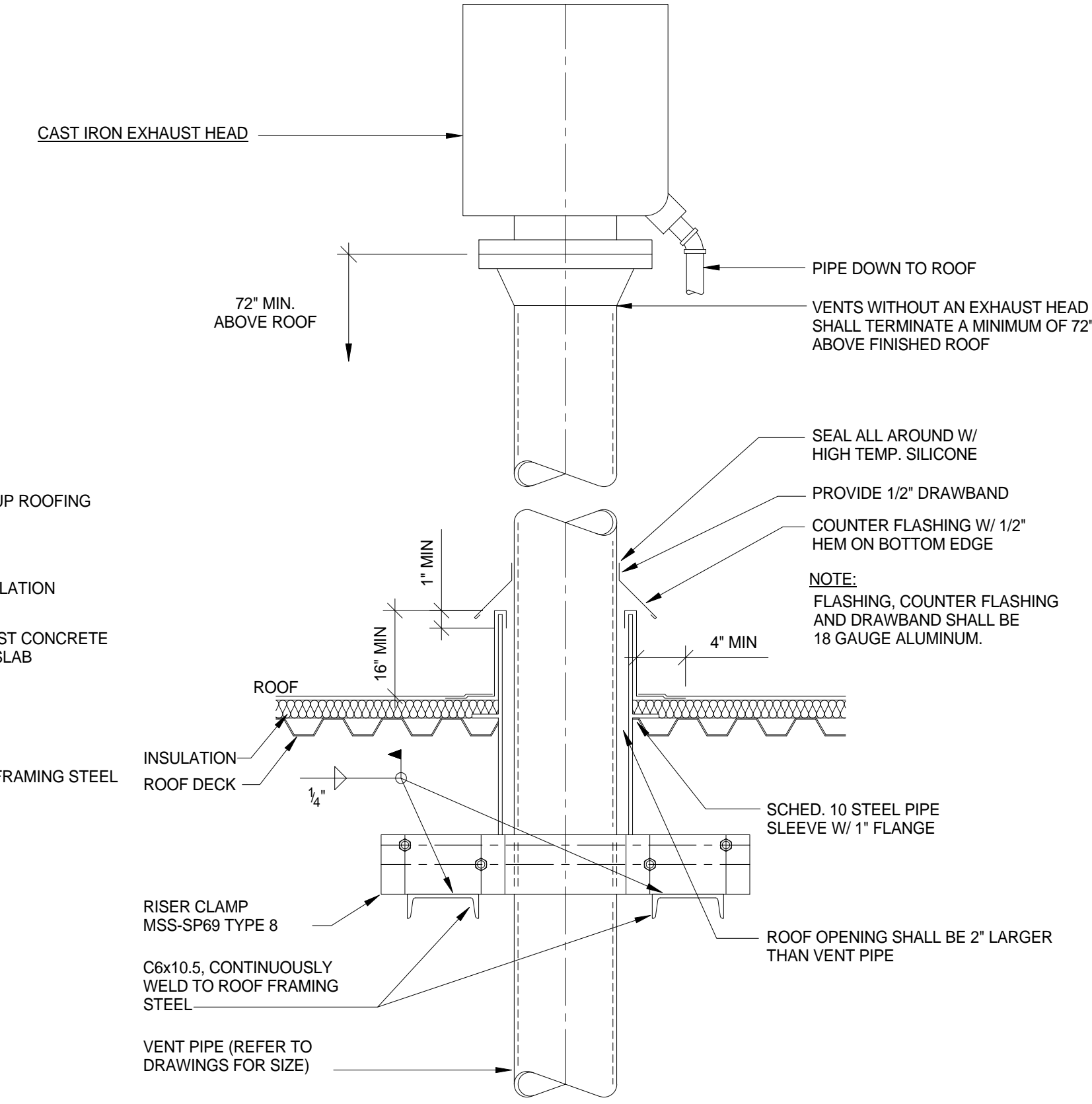


DETAIL - STACK GUYING
SCALE: NONE

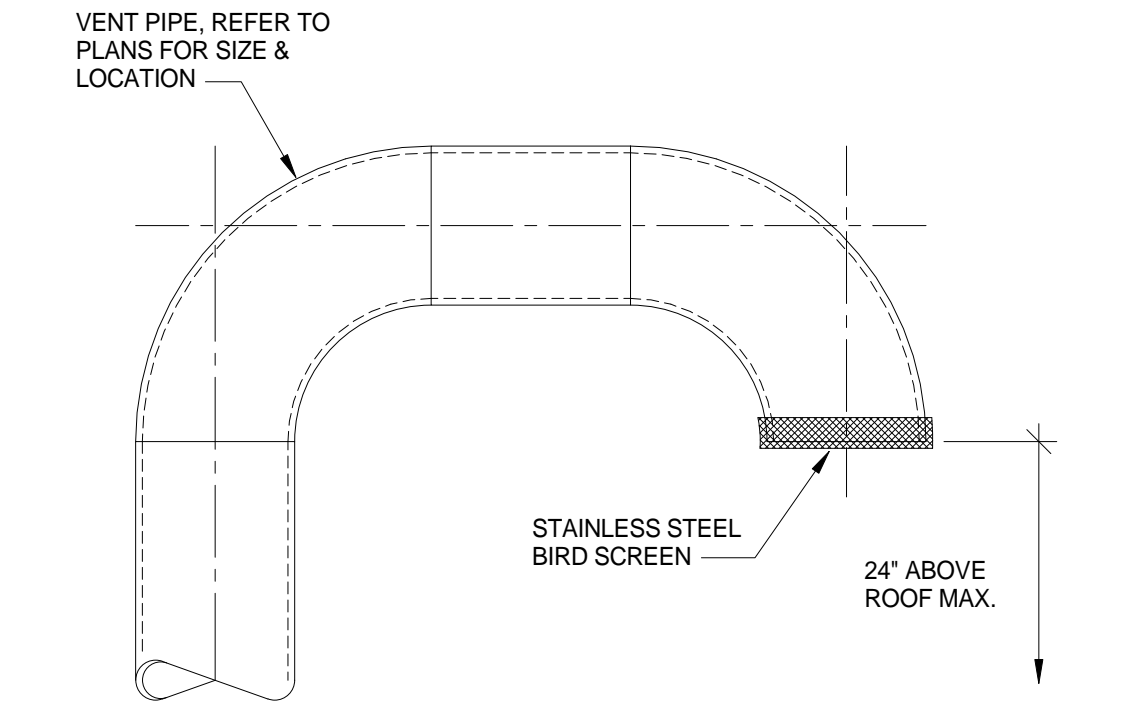


DETAIL - HOT VENT THROUGH ROOF
SCALE: NONE

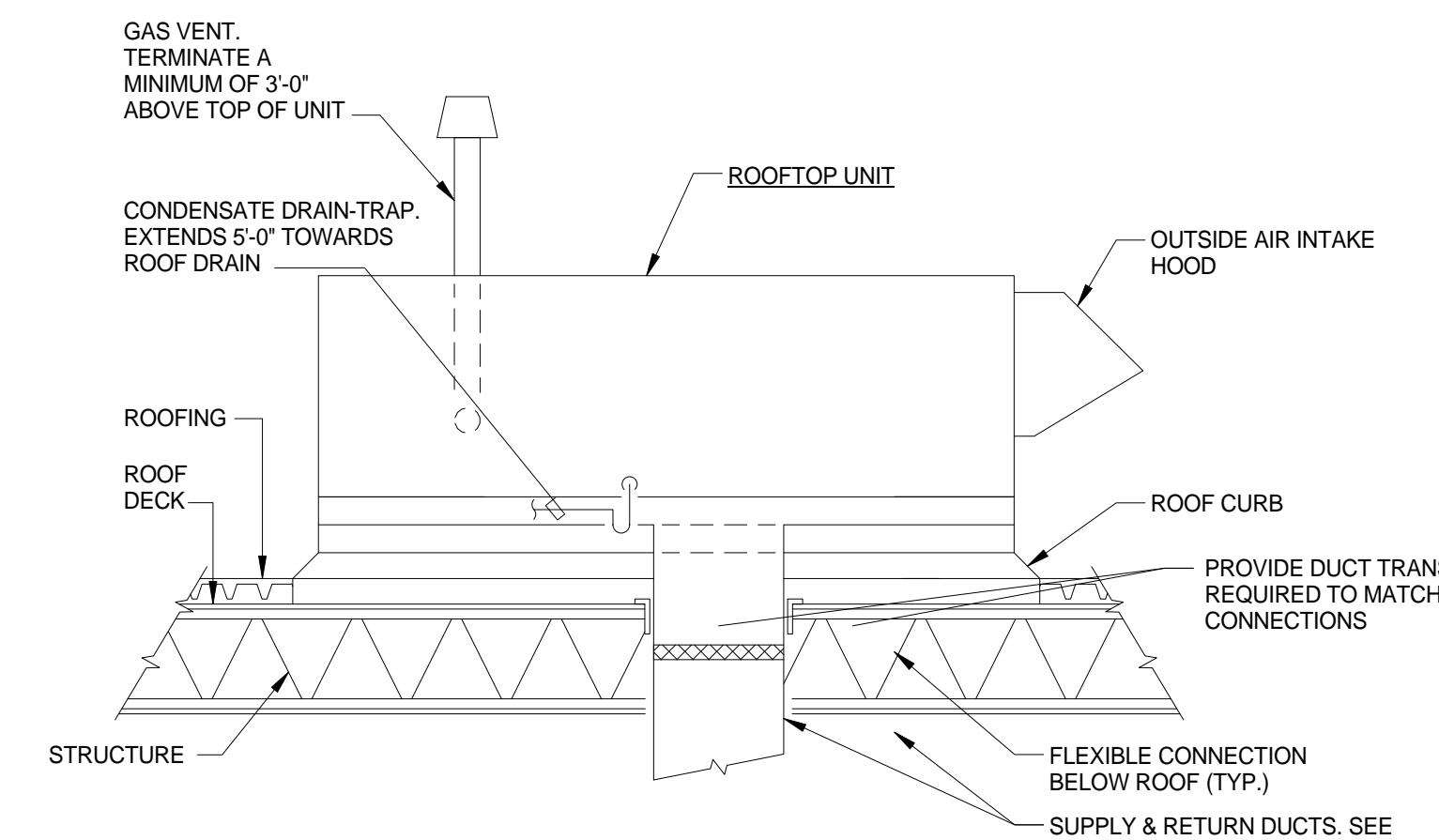
NOTE:
FLASHING, COUNTER FLASHING AND DRAWBAND SHALL BE 18 GAUGE ALUMINUM.



DETAIL - HOT VENT THRU ROOF
SCALE: NONE

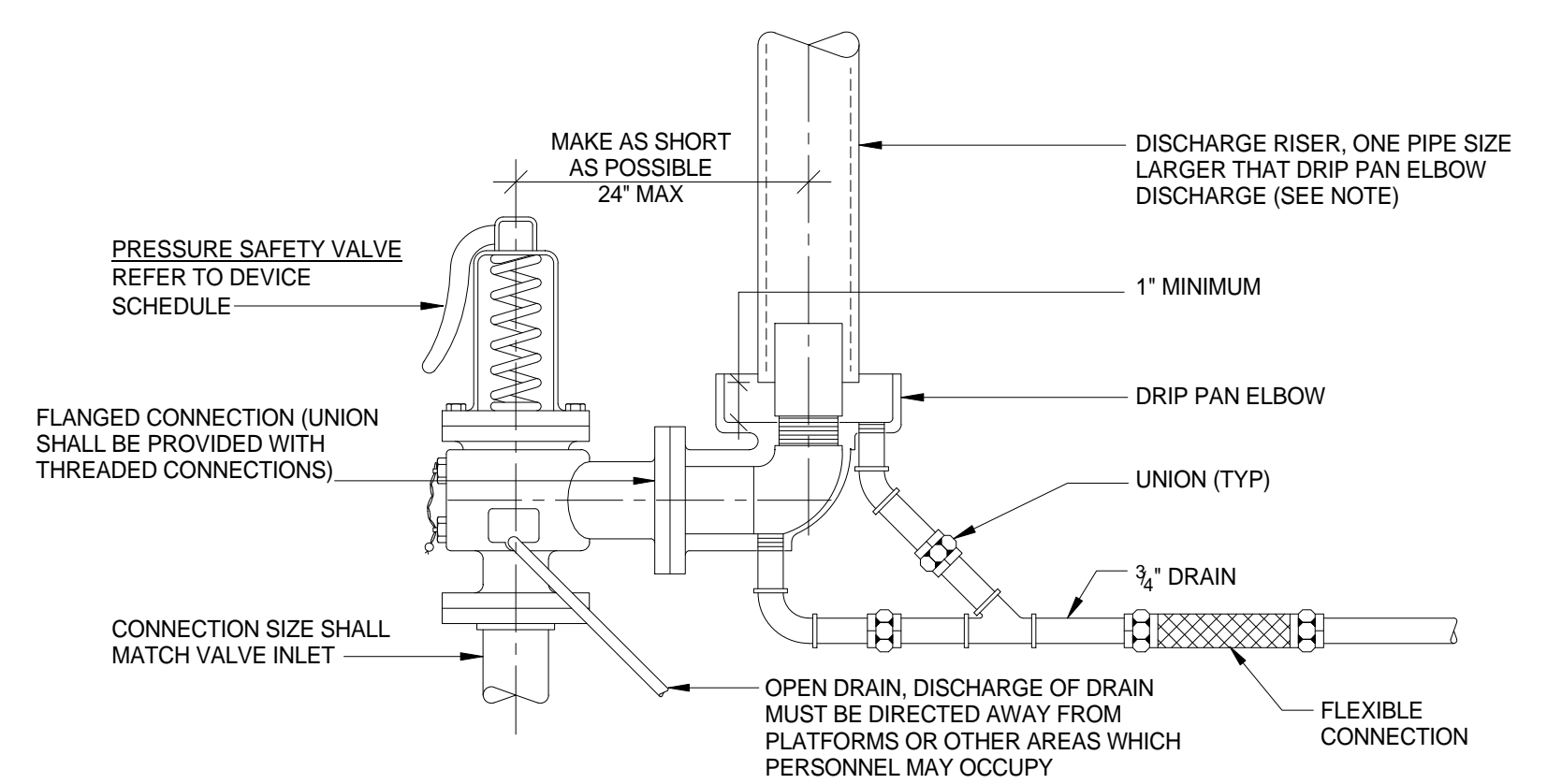


DETAIL - GOOSENECK
SCALE: NONE



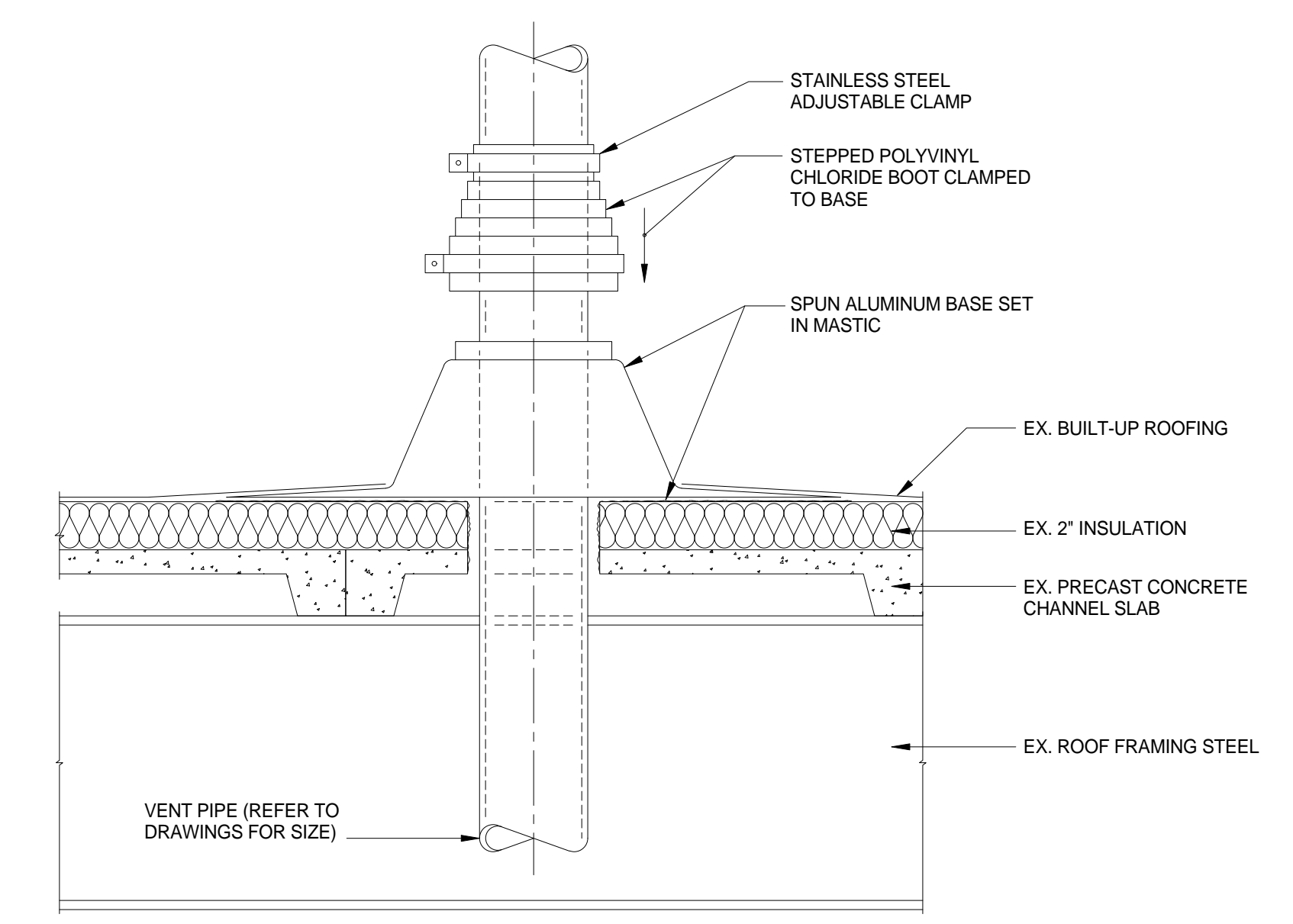
DETAIL - ROOFTOP UNIT
SCALE: NONE

NOTES:
1. CONTROL WIRING SHALL BE RUN IN CONDUIT.
2. PROVIDE OUTSIDE AIR INTAKES SIZED FOR 100%.



DETAIL - SAFETY RELIEF VALVE
SCALE: NONE

NOTE:
UNLESS OTHERWISE SHOWN ON THE DRAWINGS, SIZE THE VENT PIPE SO THAT STEAM IS NOT BLOWN OUT AT THE VENT PIPE ENTRANCE. UTILIZE THE CALCULATION METHOD CONTAINED IN ANSI B31.1. POWER PIPING CODE, APPENDIX II.



DETAIL - COLD VENT THROUGH ROOF
SCALE: NONE

NOTE:
THE RE-USE OF AN EXISTING PENETRATION SHALL BE FINISHED TO MATCH EXISTING OR PRE-DEMOLITION.

FINAL DESIGN
APPROVED FOR CONSTRUCTION

CONSULTANTS: Affiliated Engineers SE, Inc. Trioja Town Center 12921 SW 1st Road Ste 205 Gainesville, Florida 32669 Tel 352.376.5500 Fax 352.375.3479 CA-6140		ENGINEER-OF-RECORD JACK STEWART NEALE FL P.E. NO. 42678		ARCHITECT/ENGINEERS: INC. 3603 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124 Fax: (352) 553-4437 COA: FL #26693 AKEA Project No. 083-14		Drawing Title MECHANICAL DETAILS		Project Title REPLACE BOILERS - FCA D, ENERGY AT THE MALCOM RANDALL VAMC		Project Number 573-14-600 Building Number		Office of Construction and Facilities Management 							
Approved: Project Director		Location GAINESVILLE, FLORIDA		Drawing Number MP502															
Date JULY 8, 2016		Checked JSN		Drawn RWD															
Revisions:		Date																	