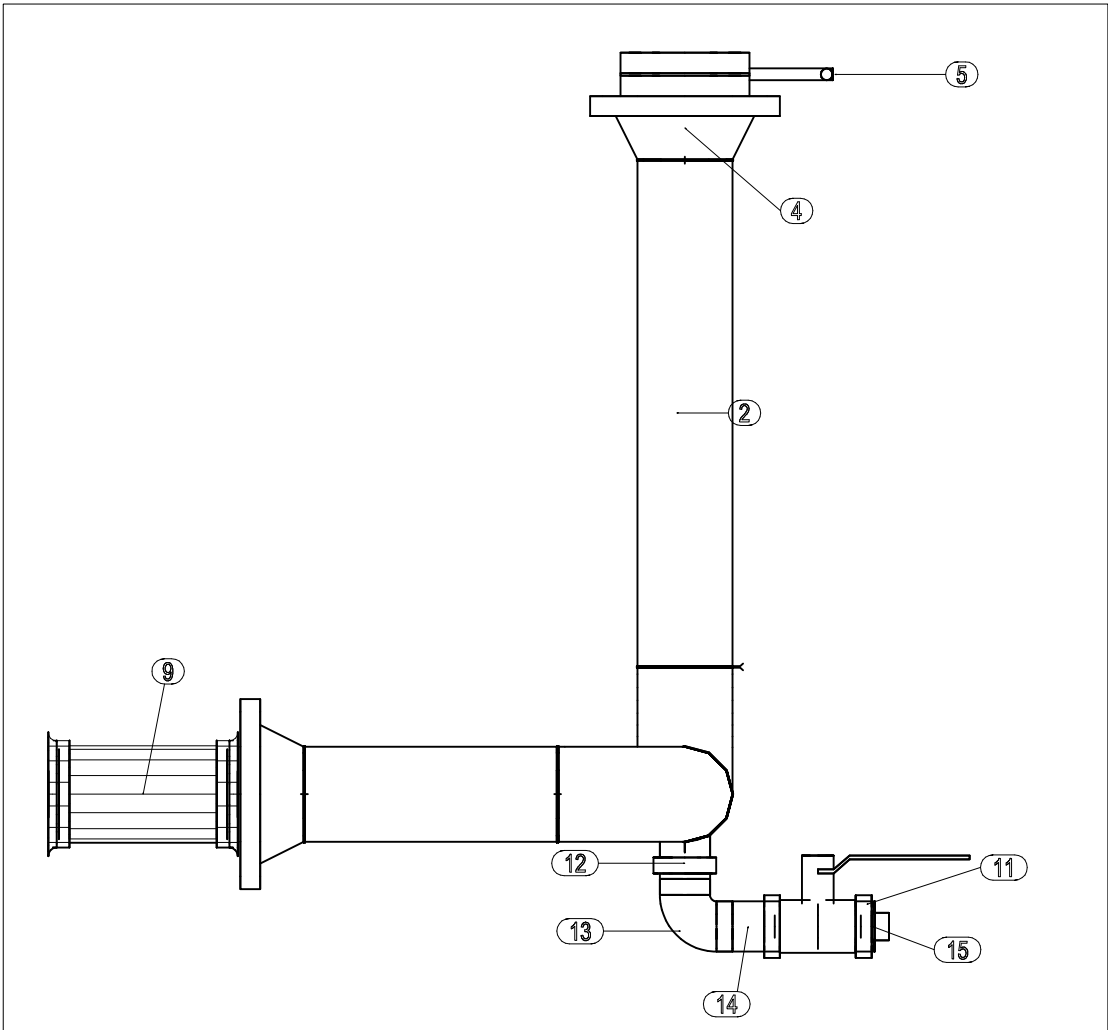
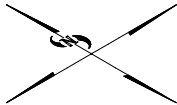
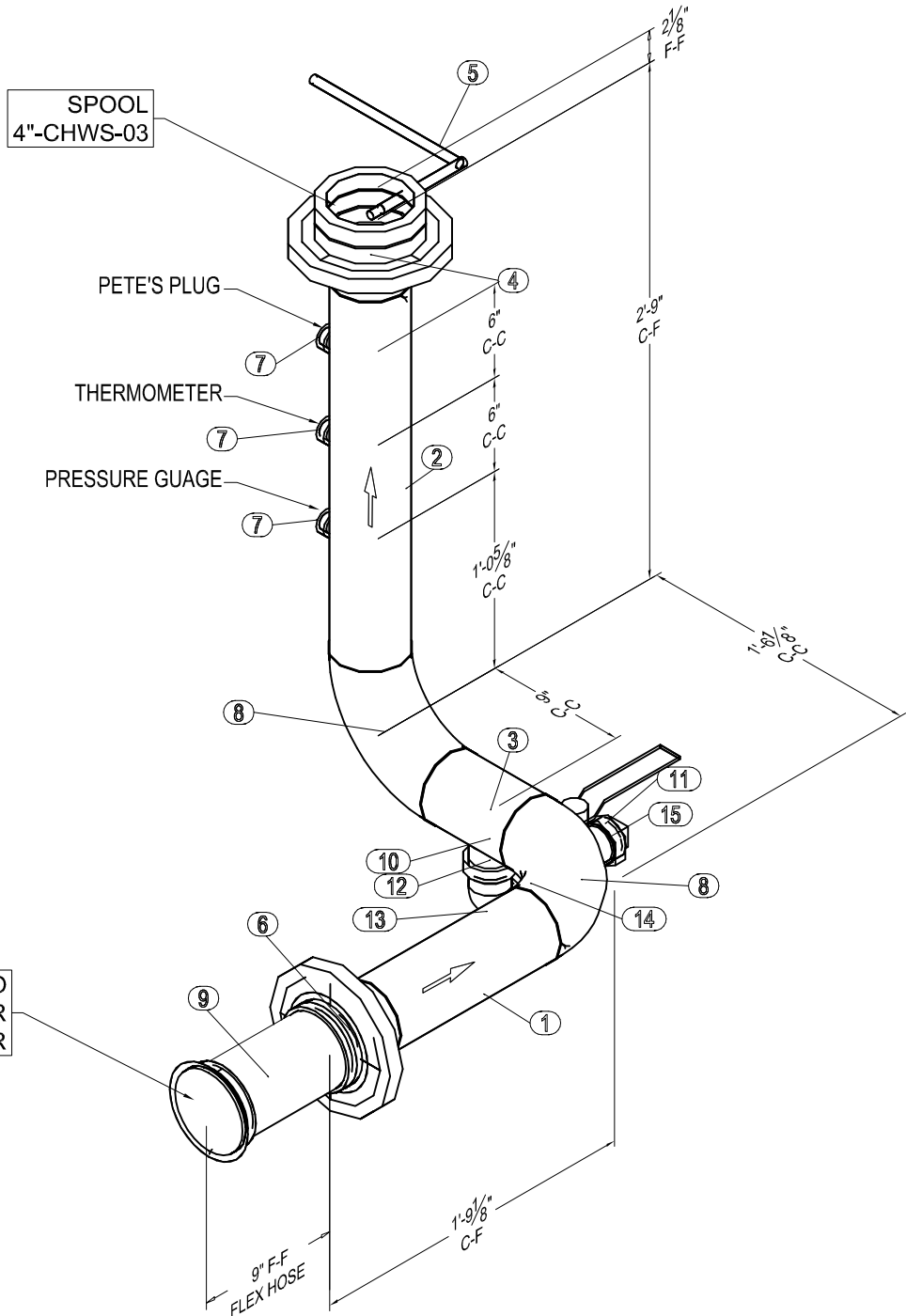


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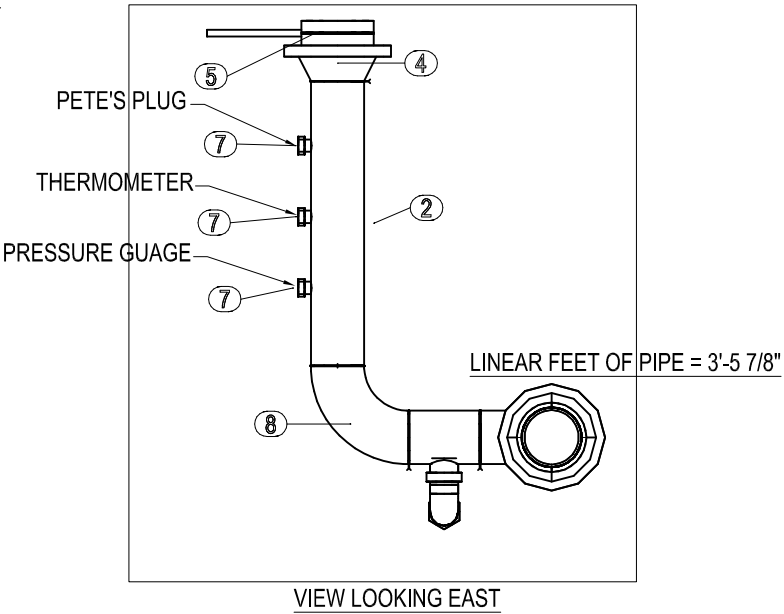
VIEW LOOKING NORTH



CONN. TO  
TRANE WATER  
COOLED CHILLER

## MP Bill of Material

No.	Qty	Size	Length	Item	Service
1	1	4	11 15/16"	Sch 40 A-53 Blk Pipe	CHWS
2	1	4	2'-0"	Sch 40 A-53 Blk Pipe	CHWS
3	1	4	5 15/16"	Sch 40 A-53 Blk Pipe	CHWS
4	1	4		150# Raised Face Weld Neck Flange	CHWS
5	1	4		Milwaukee BFV ML23 2-12in	CHWS
6	1	4		150# Flat Face Weld Neck Flange	CHWS
7	3	3/4x4		Figure Full Anvilet (Thread O Let)	CHWS
8	2	4		Long Radius 90	CHWS
9	1	4		FLEXABLE HOSE FLANGED	CHWS
10	1	2x4		Figure Full Anvilet (Thread O Let)	CHWS
11	1	2		Milwaukee Ball Valve BA-400	CHWS
12	1	2x3		Sch 40 Blk Stl Nipple	CHWS
13	1	2		150# Threaded 90 Ell	CHWS
14	1	2x3		Sch 40 Blk Stl Nipple	CHWS
15	1	2		Square Head Plug	CHWS



LINEAR FEET OF PIPE = 3'-5 7/8"

FIELD SUPERVISOR APPROVAL STAMP

SYMBOL LEGEND

SIZE  
SYSTEM  
LINE NUMBER  
SPEC  
SHEET NUMBER  
X-XXX-XXX-XX-X



FLOW ARROW



INSTRUMENT TAG NO.



MAT'L LIST  
& CUT LIST



WELD BOX (FIELD)



WELD BOX (SHOP)



SLOPE DIR.



**Murray Company**  
MECHANICAL CONTRACTORS

CONTRACTORS LICENSE NO. 162382

CORPORATE  
18414 SOUTH SANTA FE AVE.  
RANCHO DOMINGUEZ, CA 90221

NCA BRANCH  
2090 FARALLON DR.  
SAN LEANDRO, CA 94577

NEWBURY PARK  
3541 OLD CONEJO ROAD #119  
NEWBURY PARK, CA 91320

SAN DIEGO  
8520 PRODUCTION AVE.  
SAN DIEGO, CA 92121

REF. PLAN: MP-411 SPOOL MAP

P&ID:

DRAWING NUMBER: 4-CHWS-04