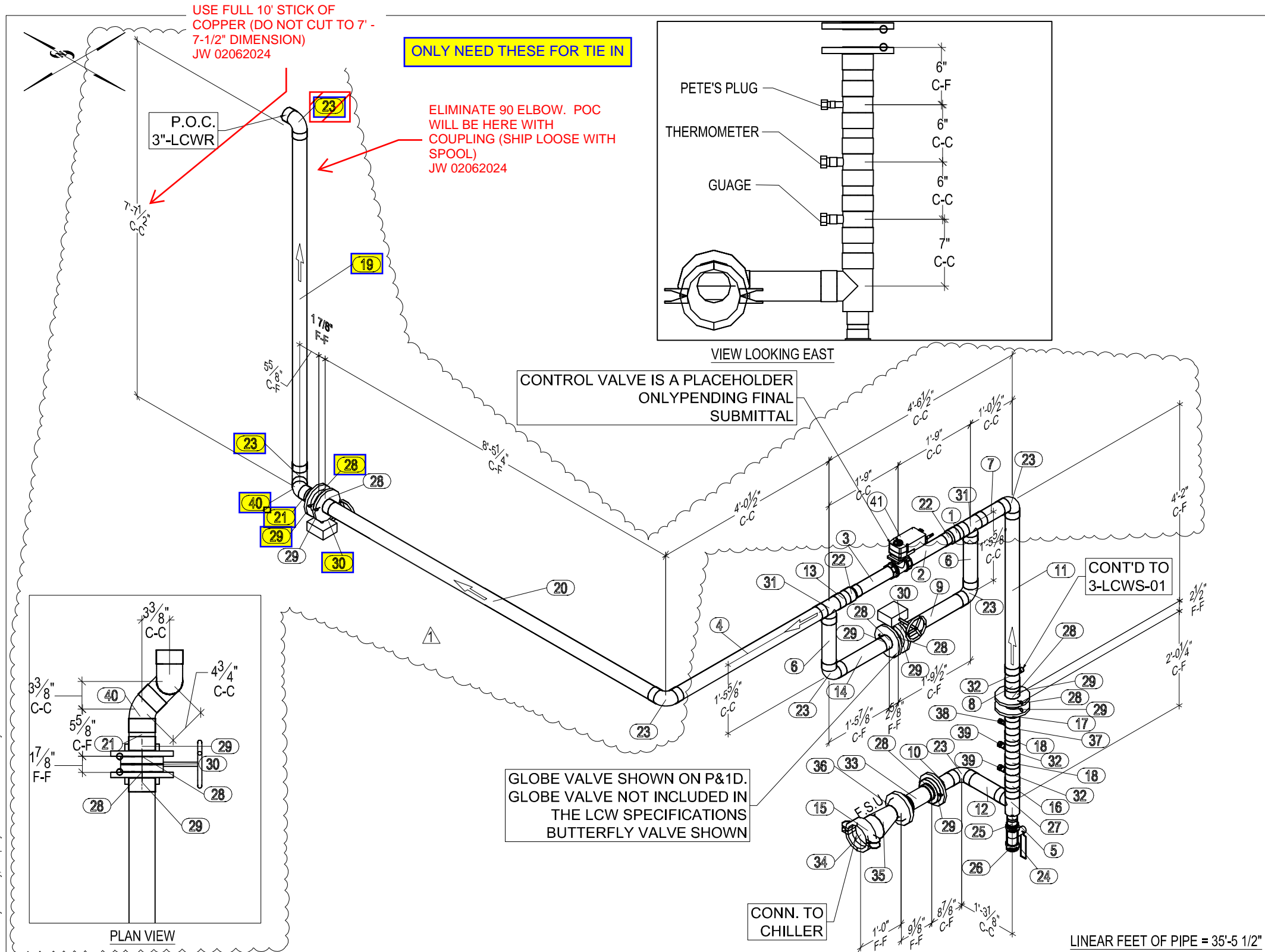


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MP Bill of Material

No.	Qty	Size	Length	Item	Service
1	1	3	4 3/8"	Type L Hard Copper Pipe	LCWR
2	1	2-1/2	1'-0 15/16"	Type L Hard Copper Pipe	LCWR
3	1	2-1/2	11 15/16"	Type L Hard Copper Pipe	LCWR
4	1	3	3'-8 9/16"	Type L Hard Copper Pipe	LCWR
5	1	2	3 3/16"	Type L Hard Copper Pipe	LCWR
6	2	3	1'-1 1/2"	Type L Hard Copper Pipe	LCWR
7	1	3	8 1/2"	Type L Hard Copper Pipe	LCWR
8	1	3	4 3/16"	Type L Hard Copper Pipe	LCWR
9	1	3	1'-7 3/8"	Type L Hard Copper Pipe	LCWR
10	1	3	6 1/16"	Type L Hard Copper Pipe	LCWR
11	1	3	3'-5 7/8"	Type L Hard Copper Pipe	LCWR
12	1	3	10 13/16"	Type L Hard Copper Pipe	LCWR
13	1	3	4 11/16"	Type L Hard Copper Pipe	LCWR
14	1	3	1'-3 1/8"	Type L Hard Copper Pipe	LCWR
15	1	5	4"	Sch 40 A-53 Blk Pipe PEXG	LCWR
16	1	3	4 5/16"	Type L Hard Copper Pipe	LCWR
17	1	3	4 7/16"	Type L Hard Copper Pipe	LCWR
18	2	3	4 5/16"	Type L Hard Copper Pipe	LCWR
19	1	3	7'-3 5/16"	Type L Hard Copper Pipe	LCWR
20	1	3	8'-2 7/16"	Type L Hard Copper Pipe	LCWR
21	1	3	3 13/16"	Type L Hard Copper Pipe	LCWR
22	2	3x2-1/2		600 Red Couple CxC	LCWR
23	7	3		607 90 Elbow CxC	LCWR
24	1	2		Milwaukee Ball Valve BA-400	LCWR
25	1	2		604 Adapter CxM	LCWR
26	1	2		Brass Plug Threaded	LCWR
27	1	3x2x3		611 Tee (REDUCING) CxCxC	LCWR
28	7	3		150 # Full Face Gasket (Isolator Req.)	LCWR
29	7	3		Copper Coated CTS Flange 150# and Copper Piece	LCWR
30	2	3		Milwaukee BFV ML33 2-12in	LCWR
31	2	3		611 Tee (STRAIGHT) CxCxC	LCWR
32	3	3x3x3/4		611 Tee (REDUCING) CxCxC	LCWR
33	1	3"		FLEXIBLE HOSE FLANGED	LCWR
34	1	5		Victaulic Style 107N Rigid Coupling	LCWR
35	1	5x3		Eccentric Reducer	LCWR
36	1	3		150# Flat Face Weld Neck Flange	LCWR
37	1	3x3x1/2		611 Tee (REDUCING) CxCxC	LCWR
38	1	1/2		603-2 Adapter Ftgx FPT	LCWR
39	2	3/4		603-2 Adapter Ftgx FPT	LCWR
40	1	3		606-2 45 Elbow Ftgx C	LCWR
41	1	2-1/2		CONTROL VALVE	LCWR

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: LCHW SPOOL MAP

P&ID:

DRAWING NUMBER: 3-LCWR-01