

FIRE PUMP MATERIAL LEGEND

- 1

10" UNDERGROUND LEAD-IN
- 2

SPARE HEAD CABINET
- 3

10" VICTAULIC 717 GROOVED CHECK VALVE
- 4

10" VICTAULIC #001 90° ELBOW
- 5

10" VICTAULIC #002 TEE
- 6

10" FIVALCO GRXFL GATE VALVE
- 7

ELECTRIC FIRE PUMP 2000 GPM @ 75 PSI
- 8

NA
- 9

10" VICTAULIC 705 BUTTERFLY VALVE
- 10

1 1/4" OUTLET FOR JP SUCTION
- 11

1 1/4" OUTLET FOR JP DISCHARGE
- 12

8" VICTAULIC 707C CLOSED BUTTERFLY VALVE
- 13

OUTLET FOR AUTO. BALL DRIP
- 14

8" VICTAULIC GROOVED ELBOW
- 15

1" AUXILIARY DRAIN
- 16

FIRE DEPARTMENT CONNECTION

17

FIRE PUMP TEST HEADER

18

FIRE PUMP CONTROL PANEL

19

JOCKEY PUMP

20

JOCKEY PUMP CONTROLLER

21

4" GROOVED OUTLET TO FDC

22

8" GLOBE UMC RISER ASSEMBLY W/TRIM AND BUTTERFLY

23

10" PIPE STAND

24

10" HEADER

25

4" VICTAULIC 717 GROOVED CHECK

26

10"x8" GROOVED CONCENTRIC REDUCER (COMES WITH PUMP)

27

NA

28

8" GROOVED OUTLET

29

4" VICTAULIC GROOVED ELBOW

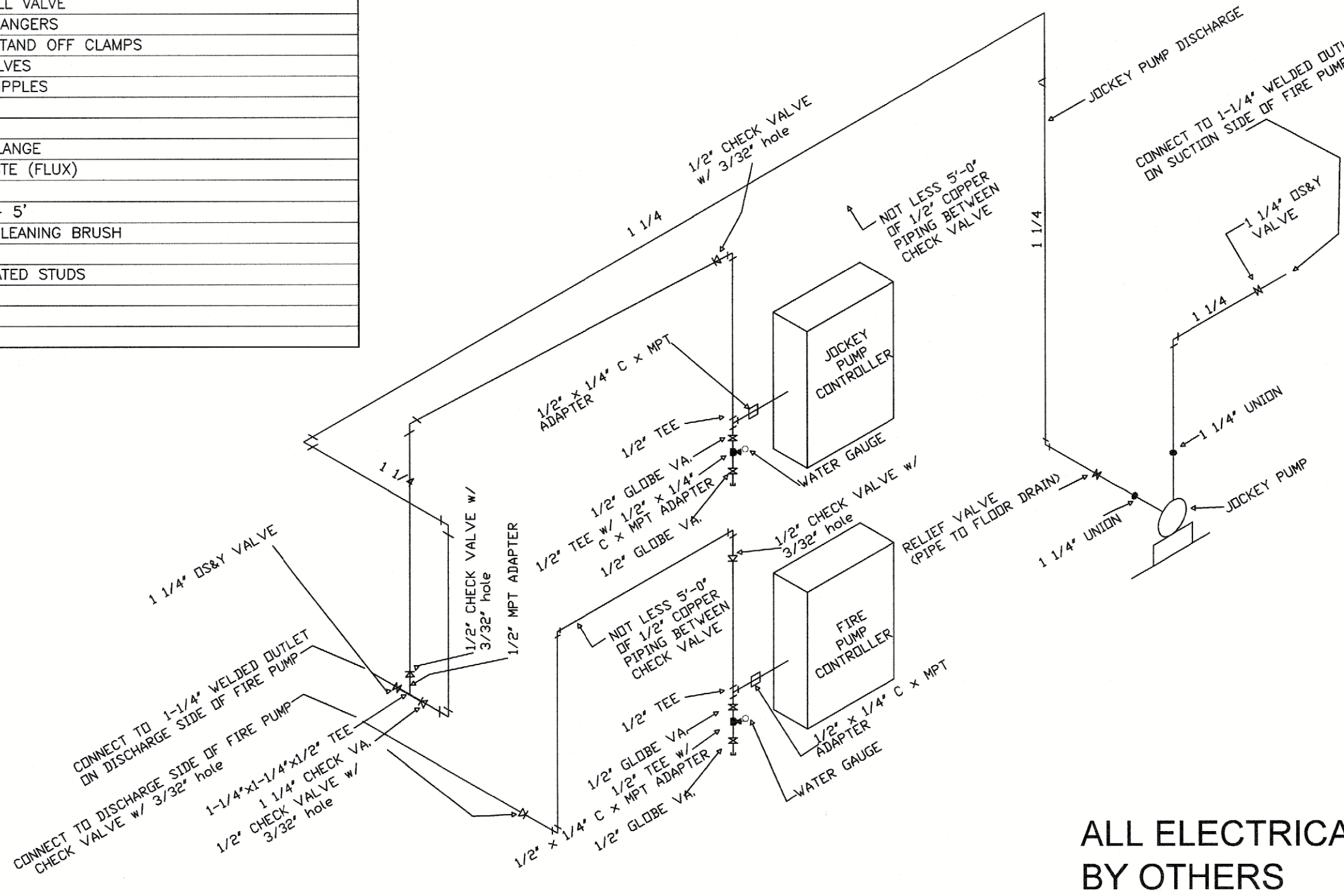
30

WALL PLATE

31

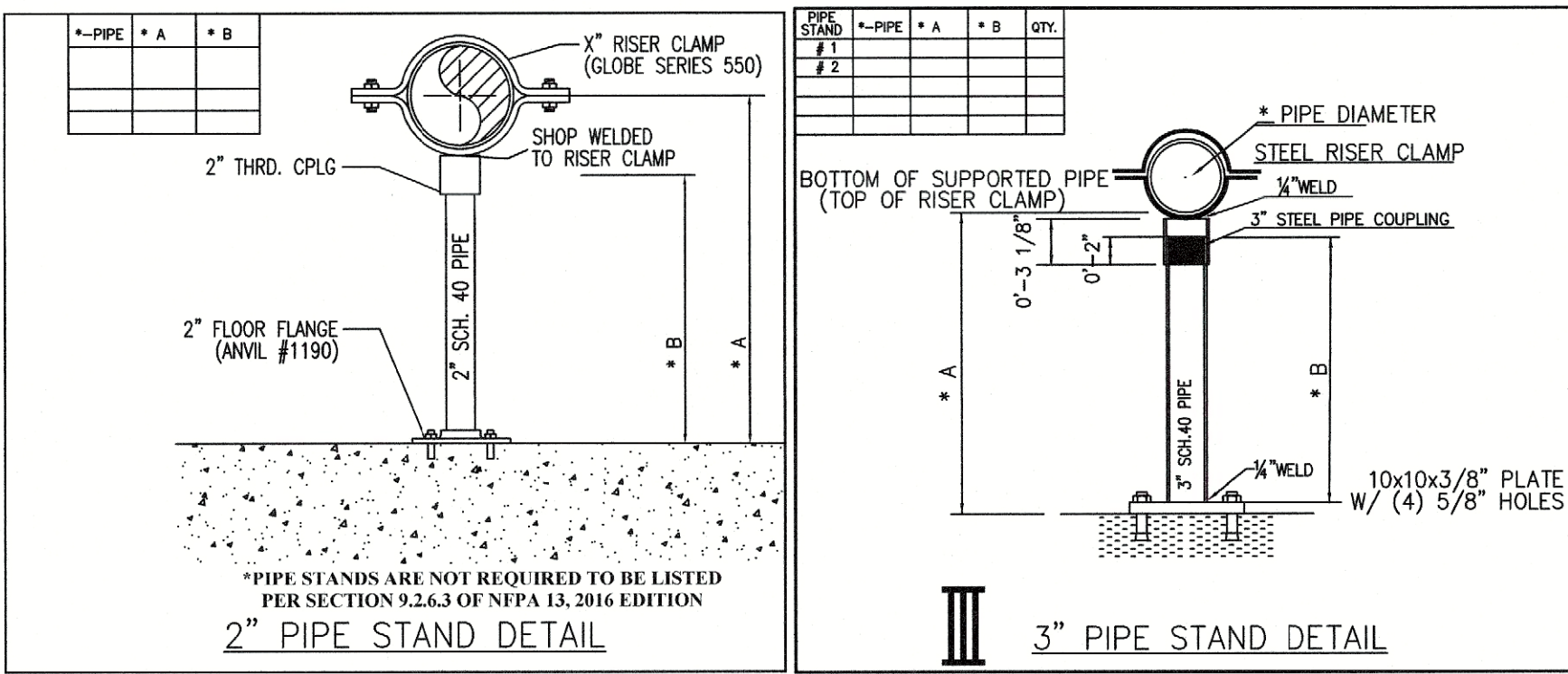
10" ZURN MODEL 475ST REDUCED PRESSURE BACKFLOW

QTY.	DESCRIPTION
6	1/2" x 1/4" C x MPT ADAPTERS
10	1/2" C x MPT ADAPTERS
2	1/2" x 0-4" NIPPLES
8	1/2" COPPER HANGER RINGS
2	1/2" C x FM ADAPTER
12	1/2" COPPER 90°
8	1/2" COPPER TEE
4	1/2" CHECK VALVE
6	1/2" COPPER COUPLING
8	1/2" S x S BALL VALVE
8	1/2" COPPER HANGERS
8	1/2" COPPER STAND OFF CLAMPS
4	1/4" 3 WAY VALVES
4	1/4" x 0-2" NIPPLES
4	WATER GAUGES
4	1/4" PLUGS
8	3/8" CEILING FLANGE
1	2 OZ CANIS PASTE (FLUX)
1	SOLDER 50/50
1	EMERY PAPER - 5"
1	1/2" COPPER CLEANING BRUSH
6	3/4" HDI
6	3/4" x 12" PLATED STUDS
12	3/4" NUTS
12	3/4" WASHERS



FIRE PUMP PLAN

SCALE = 1/2" - 1'-0"

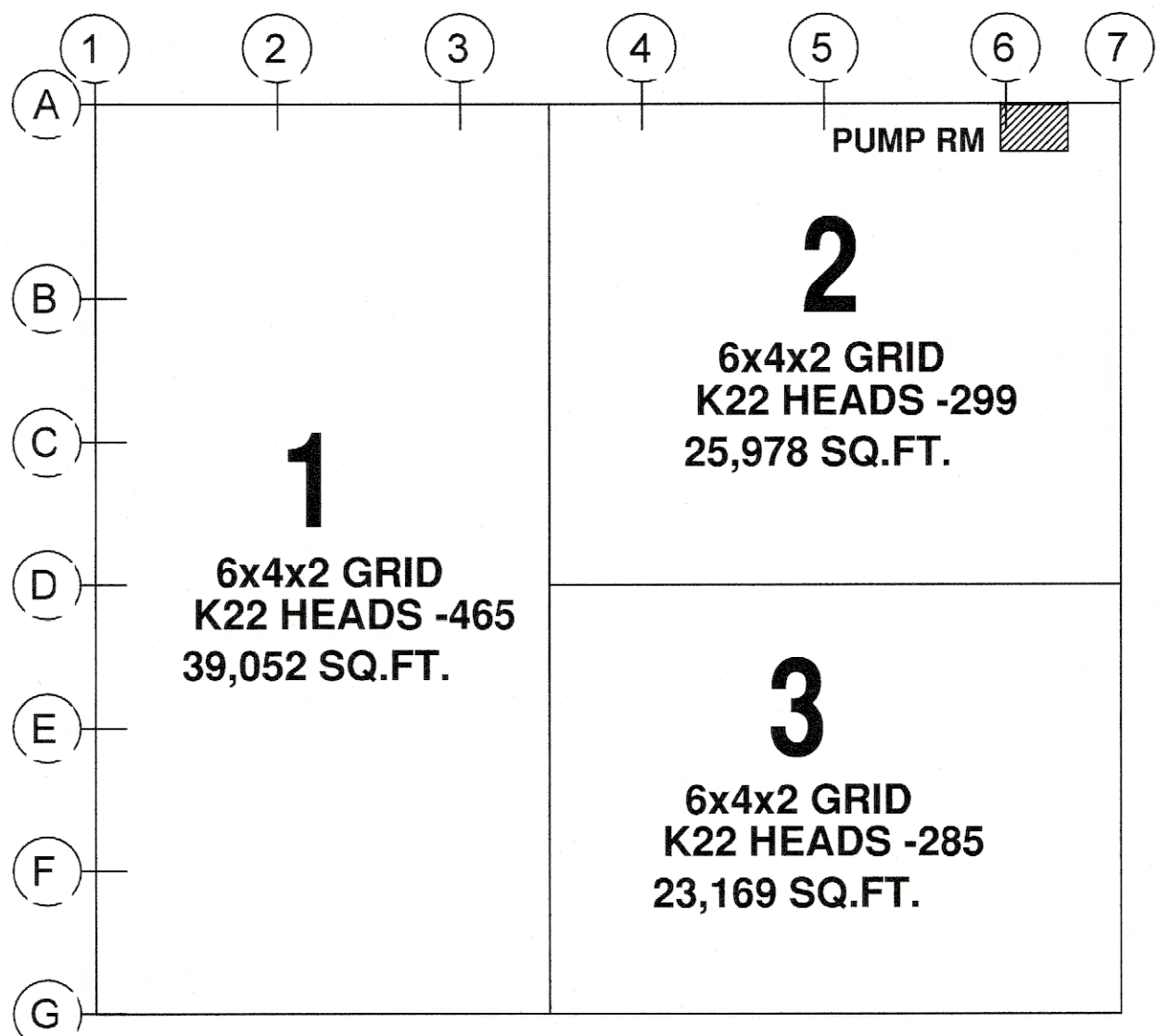


BACKFLOW SECTION VIEW

SCALE = 1/2" - 1'-0"

PUMP SECTION VIEW

SCALE = 1/2" - 1'-0"



KEY PLAN
NOT TO SCALE

HYDROSTATIC TEST TO BE CONDUCTED AT 225 PSI

STANDARD DRAWING SYMBOLS		TYPICAL HANGER ASSEMBLIES BY NUMBER		FIRE PROTECTION SPECIFICATIONS		MATERIAL SPECIFICATIONS		REVISIONS		SPRINKLER LEGEND	
[C-0] DENOTES CENTERLINE OF PIPE ABOVE FINISH FLOOR.		01 TOP BEAM CLAMP (TBC)		1. DO NOT SCALE DRAWING(S).		Note: 1" Pipe is GRID/GRID MAIN/LINE		NO		DESCRIPTION	
[C-1] DENOTES CENTERLINE OF PIPE BELOW TOP OF STEEL.		02 INVERTED TOP BEAM CLAMP		2. ALL PIPE NOTED AS: GG-GROOVED END TO CENTER, GG = GROOVED END TO GROOVED END, INDICATES ACTUAL PIPE "OUT" LENGTHS. (U.O.N.)		Supply the following:		BY		DATE	
[C-2] DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF JOIST.		03 INVERTED TOP BEAM CLAMP		3. DESIGN, INSTALLATION & MATERIALS TO BE PER N.F.P.A. #20 2016		American Made (Domestic)		QTY.		SYMBOL	
[C-3] DENOTES CENTERLINE OF PIPE BELOW BOTTOM OF BEAM.		04 INVERTED TOP BEAM CLAMP		4. HANGERS & ATTACHMENTS TO BE U.L. LISTED & SPACING PER N.F.P.A. #20 2016		Sch 40 A53 (uno)		DESCRIPTION		SIN#	
[C-4] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		05 INVERTED TOP BEAM CLAMP		5. ALL NEW PIPING SHALL BE HYDROSTATICALLY TESTED AT 225 PSI FOR 2 HOURS W/ NO VISIBLE SIGN OF LEAKAGE.		Sch 40 A53 Black		BY		THD	
[C-5] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		06 INVERTED TOP BEAM CLAMP		6. THE OWNER SHALL PROVIDE A MINIMUM OF 40' F TO PREVENT SPRINKLER PIPE FROM FREEZING.		Sch 10 Thinwall		DATE		K=	
[C-6] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		07 INVERTED TOP BEAM CLAMP		7. CONTRACTOR SHALL PROVIDE THE OWNER, INSURANCE CO., & THE PROPER CITY OFFICIALS WITH COPIES OF THE MATERIAL & TEST CERTIFICATES.		Sch 7		QTY.		TEMP	
[C-7] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		08 INVERTED TOP BEAM CLAMP		8. ALL FLOW AND TAMPERS SHALL BE SUPERVISED IN ACCORDANCE WITH NFPA 72. THIS WORK IS TO BE DONE BY OTHERS AND IS NOT PART OF S A COMMUNALE CONTRACT.		Sch 40 Galvanized		DESCRIPTION		SIN#	
[C-8] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		09 INVERTED TOP BEAM CLAMP				Sch 10 Galvanized		BY		THD	
[C-9] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		10 INVERTED TOP BEAM CLAMP				Weld-O-Lets Third		DATE		K=	
[C-10] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		11 INVERTED TOP BEAM CLAMP				Weld-O-Lets Gray		QTY.		TEMP	
[C-11] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		12 INVERTED TOP BEAM CLAMP				Weld-O-Lets Buff		DESCRIPTION		SIN#	
[C-12] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		13 INVERTED TOP BEAM CLAMP				Cast Iron Fittings		BY		THD	
[C-13] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		14 INVERTED TOP BEAM CLAMP				Galvanized Fittings		DATE		K=	
[C-14] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		15 INVERTED TOP BEAM CLAMP				Malleable Pipe 150#		QTY.		TEMP	
[C-15] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		16 INVERTED TOP BEAM CLAMP				Malleable Pipe 300#		DESCRIPTION		SIN#	
[C-16] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		17 INVERTED TOP BEAM CLAMP				Cpvc		BY		THD	
[C-17] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		18 INVERTED TOP BEAM CLAMP				Number of Welds		DATE		K=	
[C-18] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		19 INVERTED TOP BEAM CLAMP				Cut Lengths		QTY.		TEMP	
[C-19] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		20 INVERTED TOP BEAM CLAMP				Center to Center		DESCRIPTION		SIN#	
[C-20] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		21 INVERTED TOP BEAM CLAMP				X		BY		THD	
[C-21] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		22 INVERTED TOP BEAM CLAMP				X		DATE		K=	
[C-22] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		23 INVERTED TOP BEAM CLAMP				X		QTY.		TEMP	
[C-23] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		24 INVERTED TOP BEAM CLAMP				X		DESCRIPTION		SIN#	
[C-24] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		25 INVERTED TOP BEAM CLAMP				X		BY		THD	
[C-25] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		26 INVERTED TOP BEAM CLAMP				X		DATE		K=	
[C-26] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		27 INVERTED TOP BEAM CLAMP				X		QTY.		TEMP	
[C-27] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		28 INVERTED TOP BEAM CLAMP				X		DESCRIPTION		SIN#	
[C-28] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		29 INVERTED TOP BEAM CLAMP				X		BY		THD	
[C-29] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		30 INVERTED TOP BEAM CLAMP				X		DATE		K=	
[C-30] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		31 INVERTED TOP BEAM CLAMP				X		QTY.		TEMP	
[C-31] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		32 INVERTED TOP BEAM CLAMP				X		DESCRIPTION		SIN#	
[C-32] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		33 INVERTED TOP BEAM CLAMP				X		BY		THD	
[C-33] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		34 INVERTED TOP BEAM CLAMP				X		DATE		K=	
[C-34] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		35 INVERTED TOP BEAM CLAMP				X		QTY.		TEMP	
[C-35] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		36 INVERTED TOP BEAM CLAMP				X		DESCRIPTION		SIN#	
[C-36] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		37 INVERTED TOP BEAM CLAMP				X		BY		THD	
[C-37] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		38 INVERTED TOP BEAM CLAMP				X		DATE		K=	
[C-38] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		39 INVERTED TOP BEAM CLAMP				X		QTY.		TEMP	
[C-39] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		40 INVERTED TOP BEAM CLAMP				X		DESCRIPTION		SIN#	
[C-40] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		41 INVERTED TOP BEAM CLAMP				X		BY		THD	
[C-41] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		42 INVERTED TOP BEAM CLAMP				X		DATE		K=	
[C-42] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		43 INVERTED TOP BEAM CLAMP				X		QTY.		TEMP	
[C-43] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		44 INVERTED TOP BEAM CLAMP				X		DESCRIPTION		SIN#	
[C-44] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		45 INVERTED TOP BEAM CLAMP				X		BY		THD	
[C-45] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		46 INVERTED TOP BEAM CLAMP				X		DATE		K=	
[C-46] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		47 INVERTED TOP BEAM CLAMP				X		QTY.		TEMP	
[C-47] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		48 INVERTED TOP BEAM CLAMP				X		DESCRIPTION		SIN#	
[C-48] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		49 INVERTED TOP BEAM CLAMP				X		BY		THD	
[C-49] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		50 INVERTED TOP BEAM CLAMP				X		DATE		K=	
[C-50] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		51 INVERTED TOP BEAM CLAMP				X		QTY.		TEMP	
[C-51] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		52 INVERTED TOP BEAM CLAMP				X		DESCRIPTION		SIN#	
[C-52] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		53 INVERTED TOP BEAM CLAMP				X		BY		THD	
[C-53] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		54 INVERTED TOP BEAM CLAMP				X		DATE		K=	
[C-54] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		55 INVERTED TOP BEAM CLAMP				X		QTY.		TEMP	
[C-55] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		56 INVERTED TOP BEAM CLAMP				X		DESCRIPTION		SIN#	
[C-56] DENOTES CENTERLINE OF PIPE BELOW THE CEILING.		57 INVERTED TOP BEAM CLAMP				X		BY			