

COMPANY NAME

FACILITY NAME

TITLE OF PROJECT

TYPE OF SURVEY

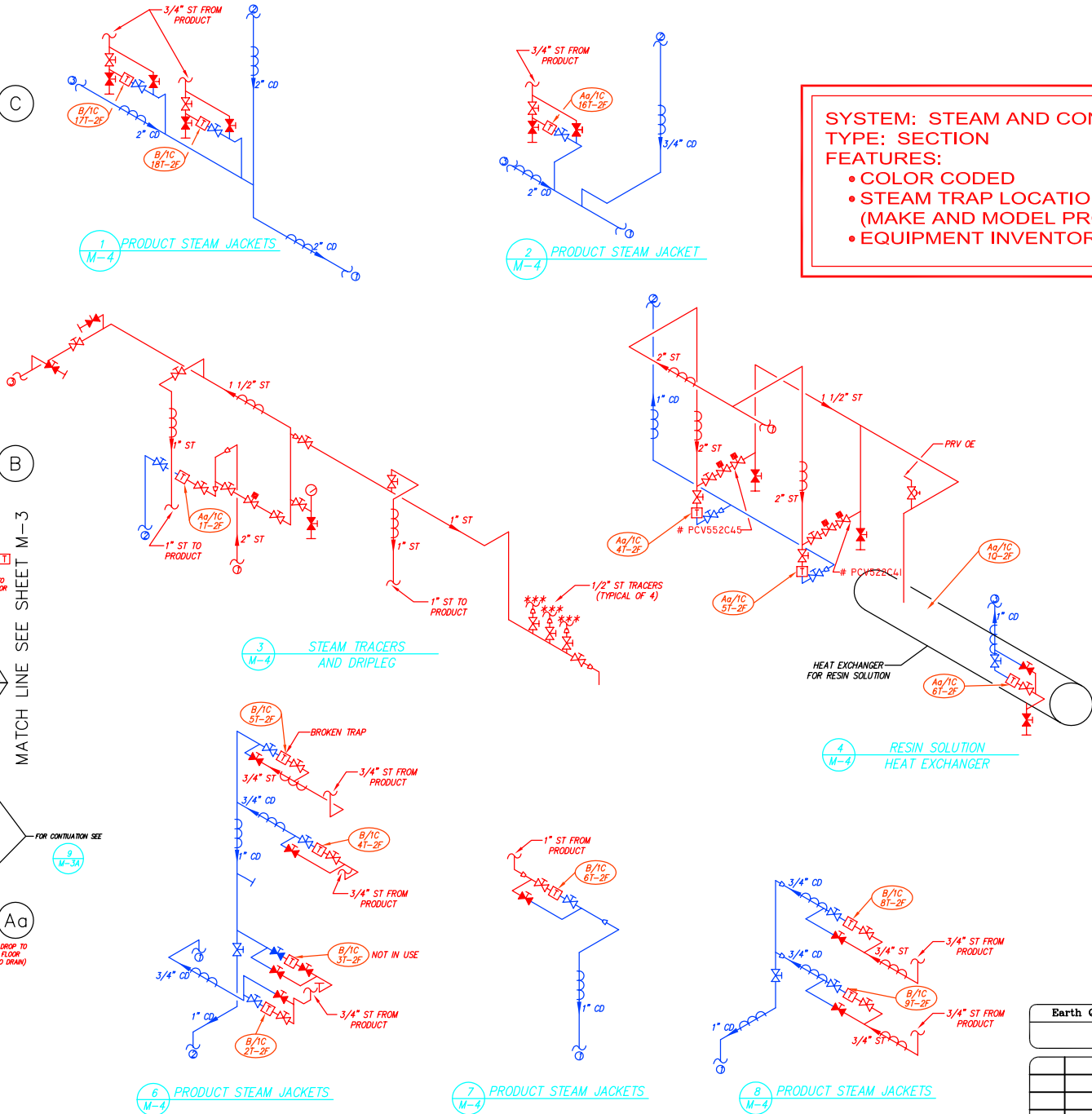


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Hydro Designs, Inc.  
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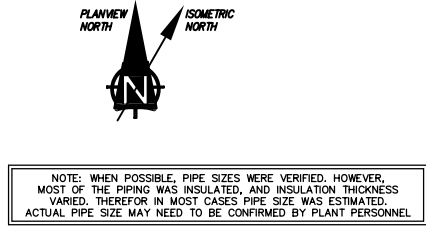
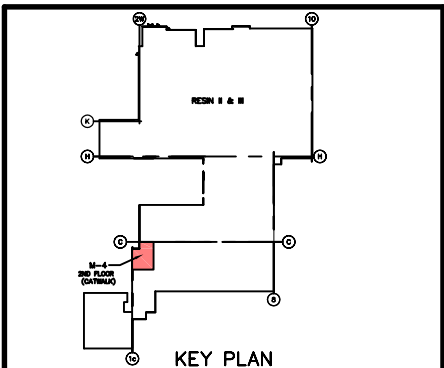
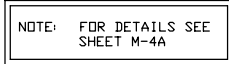
































FACILITY NAME



SYSTEM: STEAM AND CONDENSATE  
TYPE: SECTION  
FEATURES:

- COLOR CODED
- STEAM TRAP LOCATION AND ID NUMBERS  
(MAKE AND MODEL PROVIDED SEPARATELY)
- EQUIPMENT INVENTORY AND ID NUMBERS



LEGEND					
	STEAM PIPING		PLUG		GAUGE
	CONDENSATE PIPING		CONTINUATION		STRAINER
	FLOW ARROW		OPEN ENDED PIPE		PUMP
	PIPE DROP	***	CAN NO LONGER FOLLOW PIPE		METER
	TEE OFF BOTTOM OF PIPE		AUTOMATIC VALVE		INSULATION
	PIPE RISER		FLOAT VALVE/LEVEL CONTROL		TURBINE
	VALVE IN DROP		VALVE - NORMALLY OPEN		TRANSMITTER
	FLOOR/CEILING		VALVE - NORMALLY CLOSED		STEAM TRAP
	WALL		PRESSURE REGULATOR		EXISTING STAIR MARKER
	REDUCER		HOSE		EXISTING CONDENSATE MARKER
					CONDENSATE
					ABBREVIATIONS
					ST STEAM
					CD CONDENSATE

Earthquake Zone		Wind	Code Year Designed To	

2	PER OWNER REVIEW	4/11/01	DEW	JLM
1	PRELIMINARY PLOTS	5/12/00	DFR	JLM
REV.	DESCRIPTION	DATE	MADE BY	APPR. BY

PLOTTED SCALE: <span style="margin-left: 50px;"><math>1/4" = 1'-0"</math></span>	
DRAWING SCALE: <span style="margin-left: 50px;">NONE</span>	

DRAWN BY	DATE	CHK'D	APPR.	
D. ADAMS	11-4-00	DPA	DPA	

PLANT NAME

TITLE:

STEAM AND CONDENSATE

CONTRACTOR: HydroDesigns

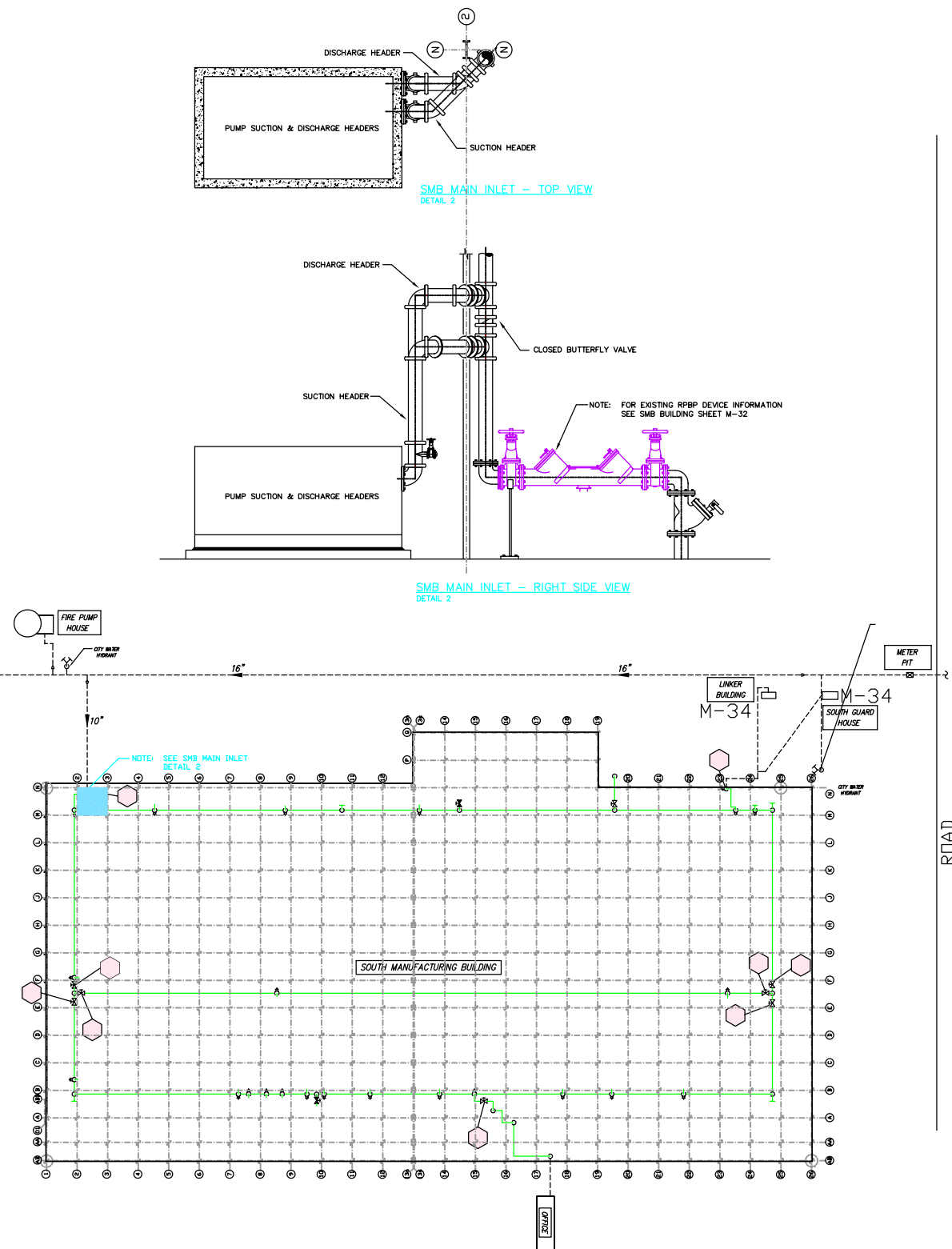
ENG. FIRM PROJECT NO.	WORKFLOW FILENAME

CAD FILE NAME	DRAWING NO.	SHT NO. 2	REV. NO.





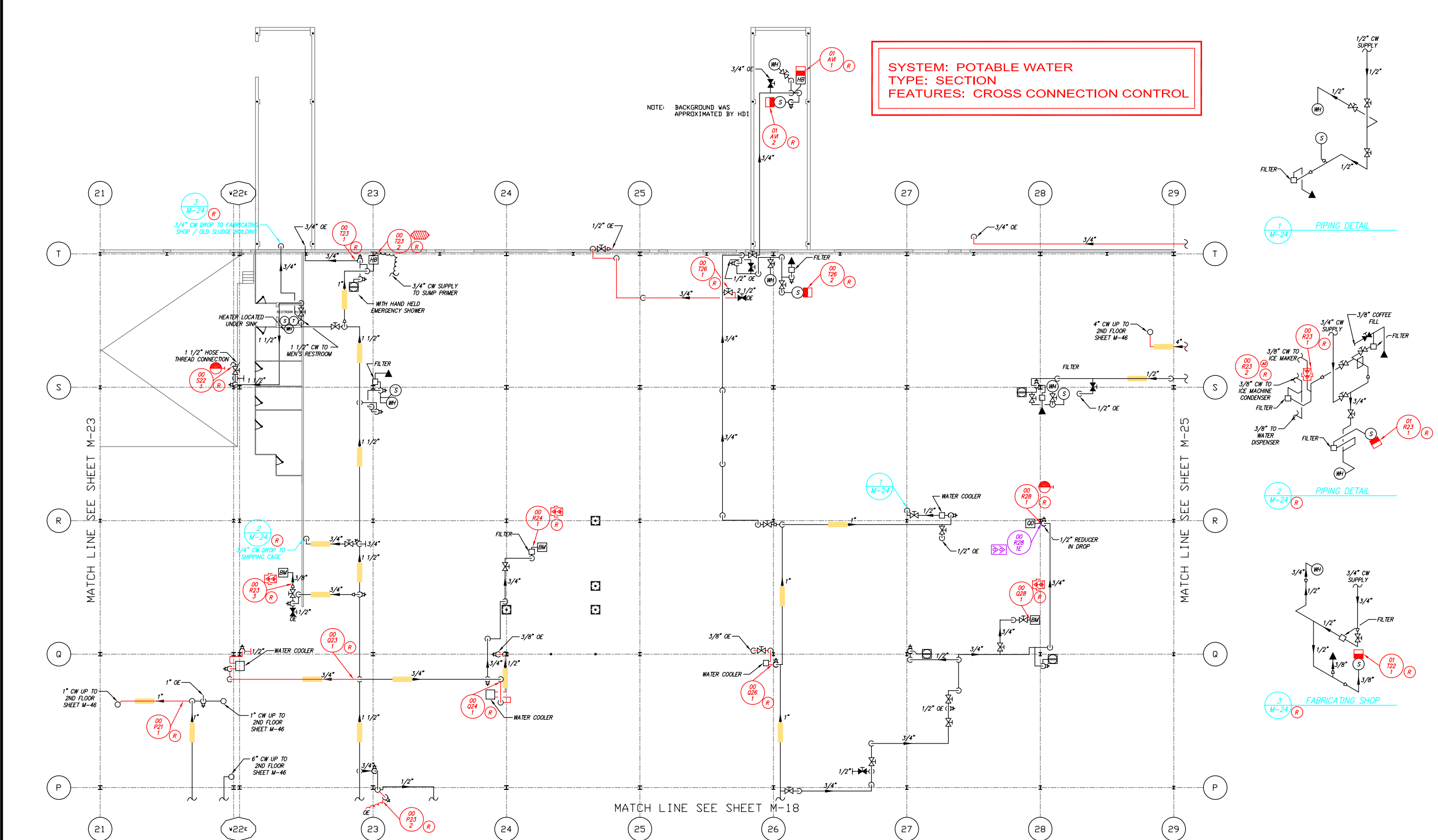




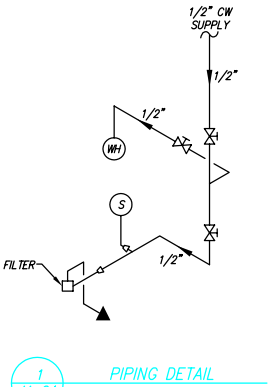
4

PLANT NAME

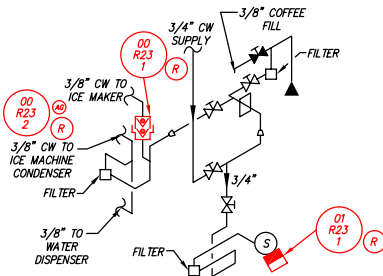




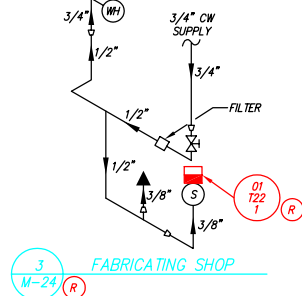
SYSTEM: POTABLE WATER  
TYPE: SECTION  
FEATURES: CROSS CONNECTION CONTROL



PIPING DETAIL



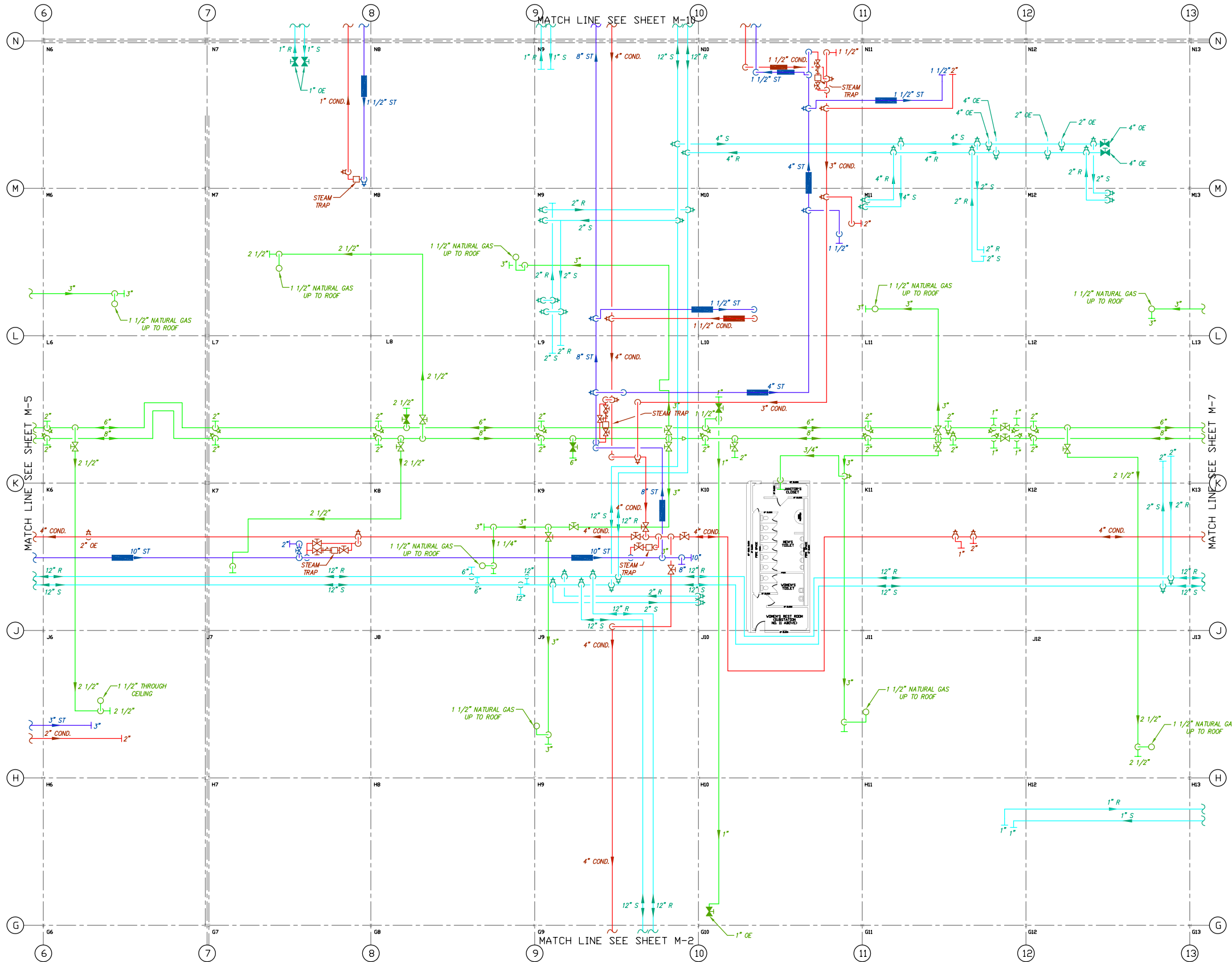
PIPING DETAIL



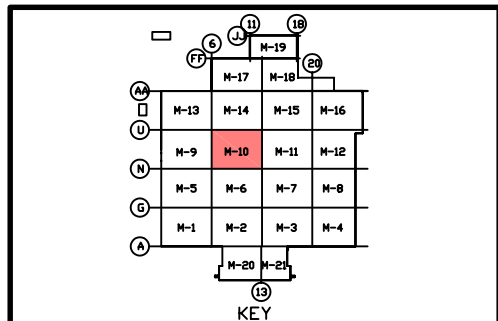
FABRICATING SHOP

LEGEND													
<b>EXISTING</b> (TESTABLE)		<b>INSTALL</b>		POTABLE WATER PIPING		STRAINER		SPOOL CONNECTION		WC		WATER CLOSET	
REDUCED PRESSURE BACKFLOW PREVENTER		REDUCED PRESSURE BACKFLOW PREVENTER		HOT WATER PIPING		*** CAN NO LONGER FOLLOW PIPE		GAUGE		T		TOILET	
(A16) ATMOSPHERIC VACUUM BREAKER (AVB)		ATMOSPHERIC VACUUM BREAKER (AVB)		NON-POTABLE WATER PIPING		PRESSURE REGULATOR		EYEWASH/SHOWER		T		TOILET WITH IMPROPERLY INSTALLED VACUUM BREAKER	
(PVB) PRESSURE VACUUM BREAKER (PVB)		PRESSURE VACUUM BREAKER (PVB)		PROPOSED CONFIG./ UNDERGROUND PIPING		AUTOMATIC VALVE		PUMP		U		URINAL	
(HBVB) HOSE BIBB VACUUM BREAKER (HBVB)		HOSE BIBB VACUUM BREAKER (HBVB)		POTABLE WATER RECOMMENDED FOR REMOVAL		FLOAT VALVE/LEVEL CONTROL		MTR		U		URINAL WITH IMPROPERLY INSTALLED VACUUM BREAKER	
(HVB) HOSE BIBB WITH INTEGRATED VACUUM BREAKER (HBVB)		HOSE BIBB WITH INTEGRATED VACUUM BREAKER (HBVB)		PIPE DROP		VALVE – NORMALLY OPEN		HE		S		SINK	
DOUBLE CHECK VALVE (DCV)		DOUBLE CHECK VALVE (DCV)		TEE OFF BOTTOM OF PIPE		VALVE – NORMALLY CLOSED		HB		HB		WASH BASIN	
DUAL CHECK VALVE (DCV)		DUAL CHECK VALVE (DCV)		PIPE RISER		FLOOR/CEILING		HE		HE		WALL	
VENTED DUAL CHECK VALVE (VDCV) – VENDING MACHINE BACKFLOW PREVENTER (VMBP)		VENTED DUAL CHECK VALVE (VDCV) – VENDING MACHINE BACKFLOW PREVENTER (VMBP)		VALVE IN DROP		REDUCER		HOSE		BM		QUICK DISCONNECT	
LAB FAUCET DOUBLE CHECK (LFDV) – LAB FAUCET VACUUM BREAKER (LFVB)		LAB FAUCET DOUBLE CHECK (LFDV) – LAB FAUCET VACUUM BREAKER (LFVB)		FLOW ARROW		HOSE		CZM		CZM		CARBONATED BEVERAGE MACHINE	
(SPVB) SPILLPROOF VACUUM BREAKER (SPVB)		SPILLPROOF VACUUM BREAKER (SPVB)		CONTINUATION		PLUG		HWH		HWH		WATER HEATER – GAS/ELECTRIC	
AIR GAP		AIR GAP						HWH		HWH		WATER HEATER – STEAM	





LEGEND			
CONDENSATE PIPING	REDUCER	INSULATION	ABBREVIATIONS
MILL WATER PIPING	PIPE DROP	CONTINUATION	COND CONDENSATE
NATURAL GAS PIPING	TEE OFF BOTTOM OF PIPE	VALVE - NORMALLY OPEN	R MILL WATER RETURN
STEAM PIPING	PIPE RISER	VALVE - NORMALLY CLOSED	S MILL WATER SUPPLY
FLOW ARROW	VALVE IN DROP	OE OPEN ENDED PIPE	ST STEAM



SYSTEM: MULTIPLE  
• ALL PRESSURIZED  
TYPE: SECTION  
FEATURES:  
• COLOR CODED

CORPORATION NAME  
CITY, STATE

HydroDesigns  
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APPROVED  
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

PREVIOUS SURVEY	
PROJ. MGR.	.
CAD MGR.	.
CAD DWG.	.
FLD. CHK.	.
FLD. DWG.	.
HDI JOB #	.

PREVIOUS SURVEY	
PROJ. MGR.	.
CAD MGR.	.
CAD DWG.	.
FLD. CHK.	.
FLD. DWG.	.
HDI JOB #	.

9-26-01 • PIPING UPDATES
11-6-98 • PIPING/DEVICE UPDATES
1-19-96 • PER OWNER REVIEW
8-29-95 • DEIONIZED PRELIMINARY PLOT
ISSUED FOR

PLANT NAME

PROCESS SYSTEMS

CROSS CONNECTION  
CONTROL SURVEY

PROJ. MGR.	J. CRABLE	9-25-01
CAD MGR.	J. MOE	9-21-01
CAD DWG.	D. ROFA	9-7-01
FLD. CHK.	.	.
FLD. DWG.	J. CRABLE	11-8-00
HDI JOB #	.	.
CODE NUMBER:	-	

DRAWING NUMBER:

SHEET NUMBER: