MINI SPLIT SYST BASIS OF DESIGN, MANUFACTURER	LW SOIILDULL
TOTAL CAPACITY AT ARI, MBH	18.0
HEATING CAPACITY AT ARI, MBH	21.6
AIR HANDLING UNIT	1.0
MARK	₩U-1
SUPPLY AIR CFM	706
MODEL	LSN180HSV5
HEAT PUMP UNIT	
MARK	HP-1
MCA	13.0
моср	20.0
VOLT / PHASE	208/1/60
MODEL	LSU180HSV5
LOUVER TO BE RECESSED	20 GA. GALVANIZED SHEET METAL SLEEVE
1/2" FROM EXTERIOR WALL FACE. CAULK ALL SIDES	FLANGE ON SLEEVE T

NOT TO SCALE

NON-RATED WALL OR

NOT TO SCALE

NON-RATED PIPE SLEEVE DETAIL

FLOOR ASSEMBLY___

UN- INSULATED

Tŀ	IRU-WA	LL HE	AT PL	JMP SCH	EDULE		
UNIT	MANUFACTURER	MODEL NO.	VOLTAGE	BTU/HR COOLING	BTU/HR HEATING COMPRESSOR ONLY	KW AUX. HEAT	OUTSIDE AIR CFM
ΓW-1	TRANE	PTHF1201G	208/1	11800	10600	3.45	65
MINIM	UM FEATURES:						
1.	ROOM LOW TEN	MPERATURE PI	ROTECTION				
2.	CONDENSATE DE	RAIN FROM IN	DOOR AND (OUTDOOR COILS			
3.	3. HARDWIRE KIT						
4.	SUBBASE ASSEM	ABLY WITH LE	VELING LEG	S. IF REQUIRED.			
5.	SLEEVE INSULAT	TION KIT					
6.	ROUTE CONDENS	SATE DRAIN F	ROM INTERN	IAL DRAIN FITTING	TO EXTERIOR WALL,	EXTEND TO DRYV	VELL.

ROUND DUCT SYSTEM GAGES								
ROUND DUCTWORK, GALVANIZED STEEL, GAGE SELECTION								
DUCT DIAMETER.	MAXIMUM 2-IN. WG STATIC POSITIVE		MAXIMUM 10-IN. WG STATIC POSITIVE		MAXIMUM 2-IN. WG STATIC POSITIVE			
IN.	SPIRAL SEAM GAGE, IN.	LONGITUDINAL SEAM GAGE, IN.	SPIRAL SEAM GAGE, IN.	LONGITUDINAL SEAM GAGE, IN.	SPIRAL SEAM GAGE, IN.	LONGITUDINAL SEAM GAGE, IN.		
3-8	28	28	26	24	28	24		
9-14	28	26	26	24	26	24		

- COIL ENCLOSURE

TYPICAL CONDENSATE

CONNECTION & TRAP

NOT TO SCALE

- SCH. 10 BLACK STEEL PIPE SLEEVE SIZED TO ACCOMODATE PIPE. GROUT FIRMLY INTO WALL OR FLOOR WITH

MIN. 3" THICKNESS PACKED MINERAL WOOL.

— MIN. ½" THICK FOAMING URETHANE SEALANT FILLING ANNULAR SPACE BETWEEN PIPE & SLEEVE. TRIM SEALANT FLUSH WITH SLEEVE BOTH SIDES.

7. INSTALL PER MANUFACTUER'S SPECIFICATIONS

MARK	EF-1	EF-2
ТҮРЕ	CEILING	CEILING
DRIVE	DIRECT	DIRECT
MOTOR HP / W	20.0 W	121.0 W
AIRFLOW (CFM)	100	300
STATIC PRESSURE (IN WC)	.25	.25
ELECTRICAL (VOLTS/PH/HZ)	120/1/60	120/1/60
MANUFACTURER	GREENHECK	GREENHECK
MODEL	SP-A125	SP-A410
ACCESSORIES	DISCONNECT, BACK-DRAFT DAMPER,	DISCONNECT, BACK-DRAFT DAMPER,
CONTROL	SWITCH W/LIGHTS	SWITCH W/LIGHTS

LOUVER SCHE	DULE
MARK	EL-1
SERVICE	EXHAUST
CONSTRUCTION	ALUMINUM
FREE AREA (SQUARE FEET)	.70
LOUVER SIZE (INCHES)	20X14
AIRFLOW (CFM)	400
MANUFACTURER	GREENHECK
MODEL	EDJ-401
ACCESSORIES	1,2,3

ا مر	CFSSC	RIFS	:			FINISH, ECT.
∵	0.00					
1.	RIKD	SCRI	LEN			
l 2	FACT	ORY	APPLI	ED E	POXY	FINISH.
	I AD G	C C	CTED		DCUIT	FCT
ן ככ	LUR :	CLC	CIED	D1 #	MC III I	ECI.
l 3	RACK	DRAF	T DAN	IPFR		

MECHANICAL NOTES

1. DUCT SIZES ARE BASED ON FREE AREA OPENING

2. REFERENCE TO SPECIFIC MANUFACTURERS ARE USED IN TO ESTABLISH MINIMUM PERFORMANCE REQUIREMENTS AND QUALITY. OTHER MANUFACTURER'S WITH EQUAL OR BETTER QUALITY EQUIPMENT ARE ALLOWED TO SUBSTITUTE THEIR PRODUCTS. EQUAL MANUFACTURER'S ARE MITSUBISHI, CARRIER, AMERICAN STANDARD.

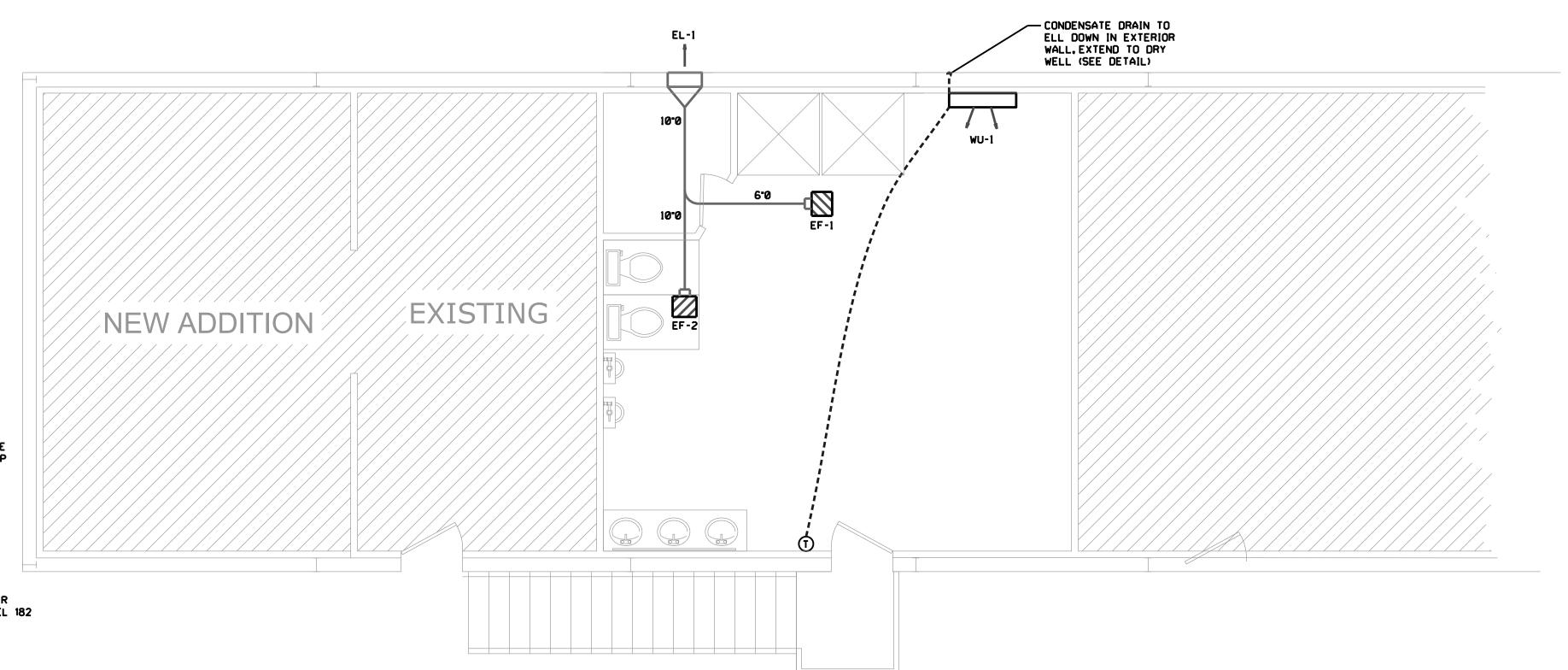
3. MECHANICAL CONTRACTOR TO VERIFY EXACT LOCATION OF T'STATS WITH OWNER.

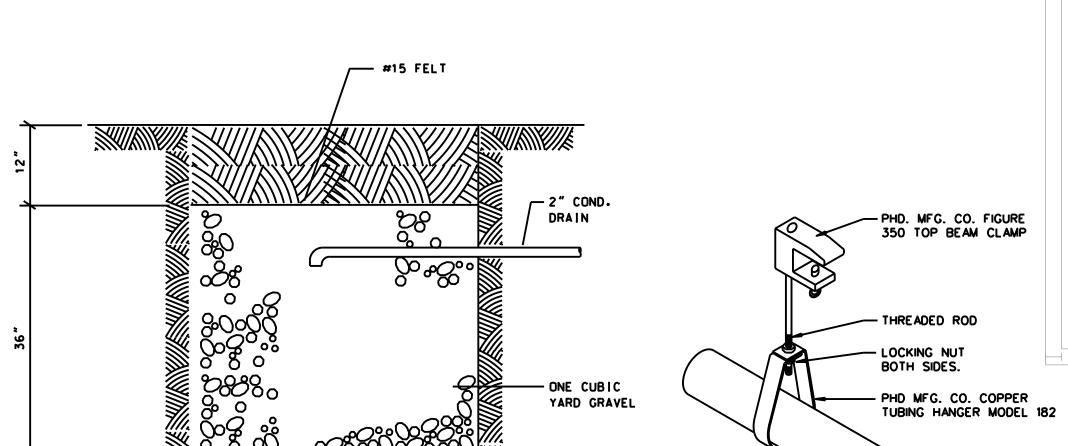
MECHANICAL LEGEND

T - THERMOSTAT

	CONDENSATE DRAIN FROM THRU-WALL UNIT TO EXTEND TO DRY WELL (SEE DETAIL)	1 CONDENSATE FROM WU-1 RISE REFRIGERA WALL, EXTEND	ANT PIPING UP EXTERIOR
NEW ADDITION NO WORK THIS AREA THIS AREA	EXIST BREAK ROOM	COMPRESSOR	OPEN WASH BAY

FIRST FLOOR MECHANICAL FLOOR PLAN





DRY WELL DETAIL NOT TO SCALE

REFRIGERANT PIPE HANGER DETAIL

NOT TO SCALE



KENWORTH ADD

PLUMBING FIXTURE SCHEDULE							
FIXTURE	DESCRIPTION			PIPE SIZE			
NUMBER	DESCRIPTION		C.W.	H.W.			
P-1	WATER CLOSET: GERBER MAXWELL NO. MX-21-412 FLOOR MOUNTED TANK TYPE WITH ELONGATED SUPHON ACTION BOWL, WHITE SOLID PLASTIC OPEN FRONT SEAT WITH SELF-SUSTAINING CHECK HINGE, CHINAL BOLT CAPS, MCGUIRE 2166LK SUPPLY AND STOP.	4"	1/2"	•			
P-2	URINAL: AMERICAN STANDARD NO. 6541.132, WHITE, VITREOUS CHINA, WALL HUNG, WITH SMITH FIG. 0615 FIXTURE SUPPORT AND SLOAN REGAL FLUSH VALVE NO. 186-YK.	2"	¾"	-			
P-3	LAVATORY: AMERICAN STANDARD NO. 0476.028, WHITE VITREOUS CHINA, COUNTER MOUNTED, 20" X 17", WITH NO. 2385.000 SINGLE LEVER MIXING FAUCET WITH POP-UP DRAIN, 17 GAUGE TRAP & MCGUIRE 2165LK SUPPLIES AND STOPS.	2"	1/2"	1/2"			
P-4	SHOWER: CLARION MODEL RE5843 ACRYLIC ENCLOSURE, FINISH SELECTED BY ARCHITECT. 2" POLISHED BRASS STRAINER AND VALVE ASSEMBLY TO BE DELTA MODEL T14003-T20-LHP VALVE WITH SCREWDRIVER STOPS. HAND OF SHOWER TO BE VERIFIED BEFORE ORDERING. FINISH SHALL BE SELECTED BY ARCHITECT. PROVIDE 1" TYPE 304 STAINLESS STEEL CURTAIN ROD. SHOWER CURTAIN TO BE COMMERCIAL GRADE VINYL CHOSEN BY ARCHITECT.	2"	1/2"	1/2"			

PLUMBING NOTES

1. ALL PLUMBING VENTS TO BE INSTALLED WITH A MINIMUM OF 10'-0" CLEARANCE FROM ALL OUTSIDE AIR INTAKE SYSTEMS ON THE MECHANICAL EQUIPMENT.

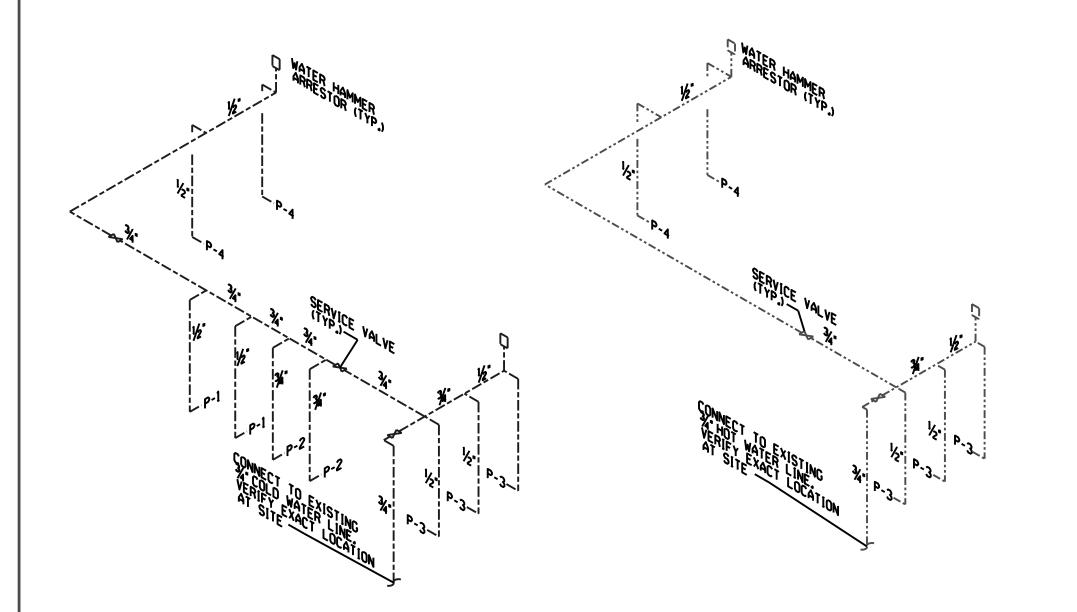
2. ALL WATER PIPES AT EXTERIOR WALLS SHALL BE INSTALLED ON THE BUILDING SIDE OF THE INSULATION. FURTHER: ALL WATER PIPES SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER

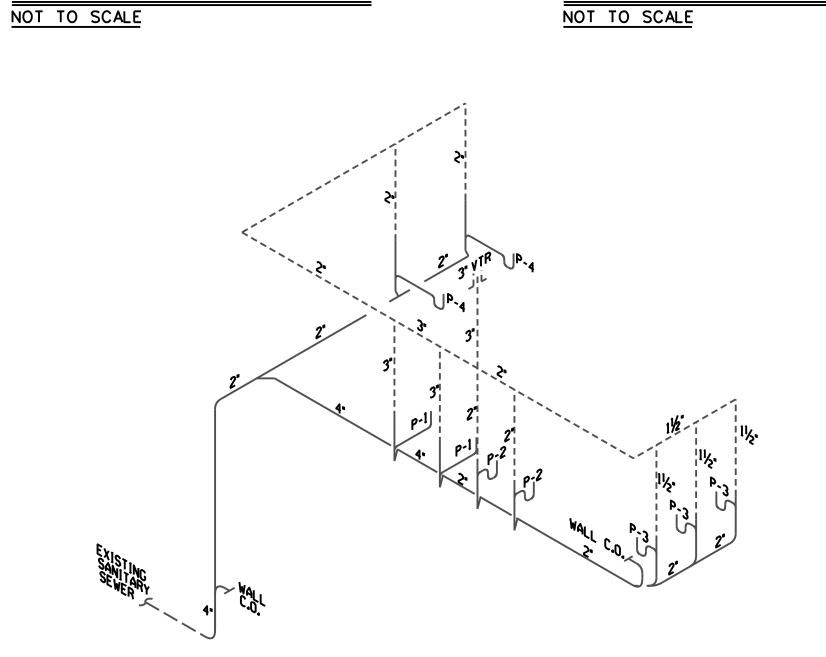
3. UNDERGROUND WATER MAIN TO BE SCHEDULE 40 PVC PIPE WITH GLUED JOINTS. INSTALL THE PIPING WITH DETECTOR TAPE PER DETAILS ON THE DRAWINGS.

4. ADD TO THE DOMESTIC WATER MAIN 50 PPM (PARTS PER MILLION) AVAILABLE CHLORINE. ALLOW THE SOLUTION TO STAND FOR SIX HOURS, THEN FLUSH THOROUGHLY. THE PROCEDURE WILL BE OBSERVED BY THE LOCAL PLUMBING OFFICIAL. COORDINATE SAMPLING OF THE CLEAN WATER WITH THE LOCAL HEALTH DEPARTMENT.

5. EQUAL FIXTURES CAN BE SUBMITTED IN PLACE OF SPECIFIED FIXTURES.

6. PEX PLUMBING PIPE CAN BE INSTALLED IN PLACE OF COPPER PIPING.

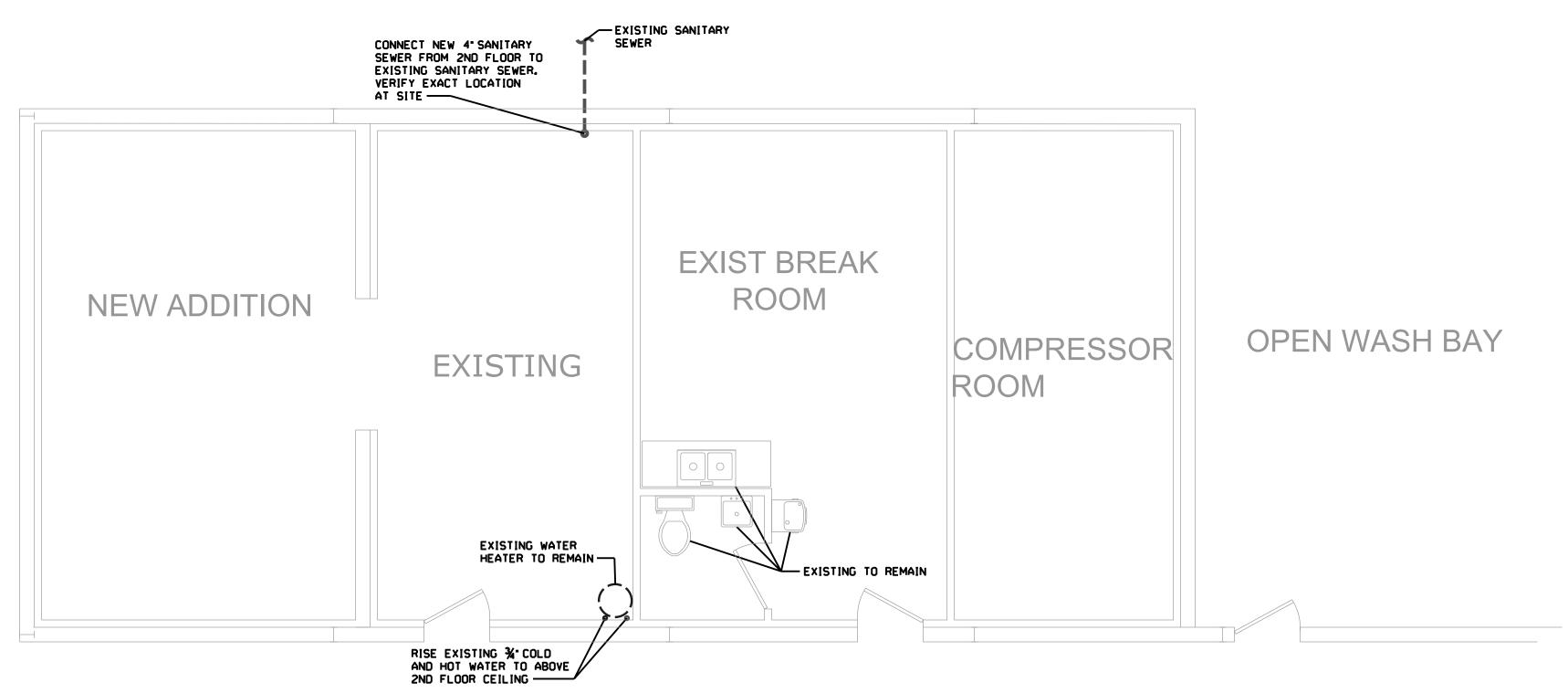




HOT WATER DIAGRAM

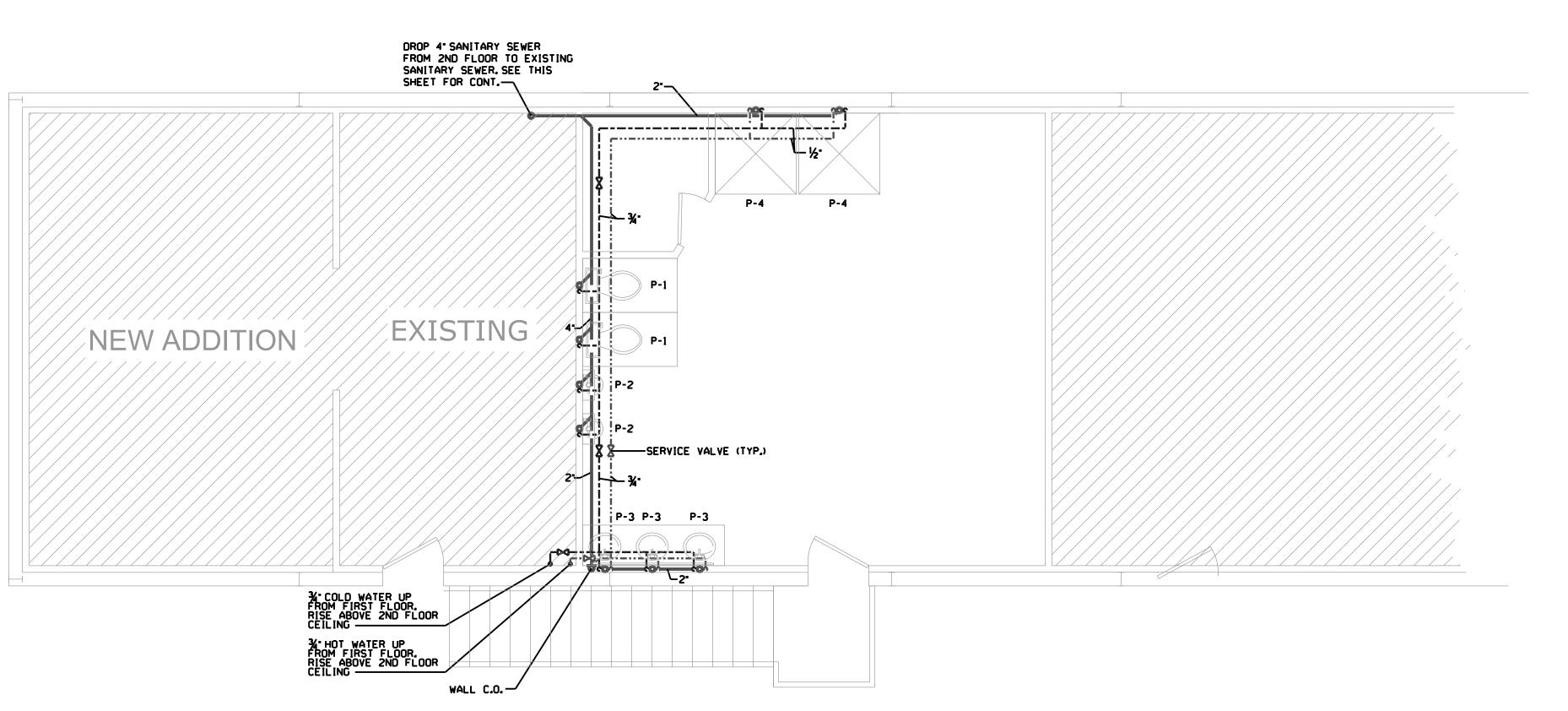
WASTE & VENT DIAGRAM
NOT TO SCALE

COLD WATER DIAGRAM

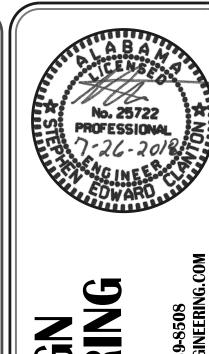


FIRST FLOOR
PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"







TOTAL DESIGN
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EMAIL: SCLANTON@TOTALDESIGNERRING.COM

BAMA FIOOR DI

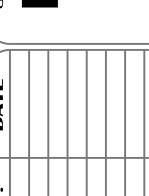
KENWORTH ADD

PLUMBING FL

SEC/RJS

DATE

5 C

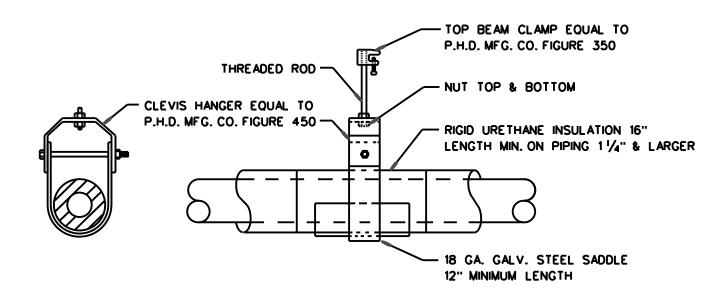




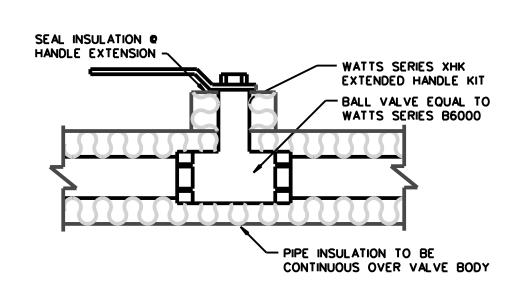
MOI M KENWORTH ADD

UMBING

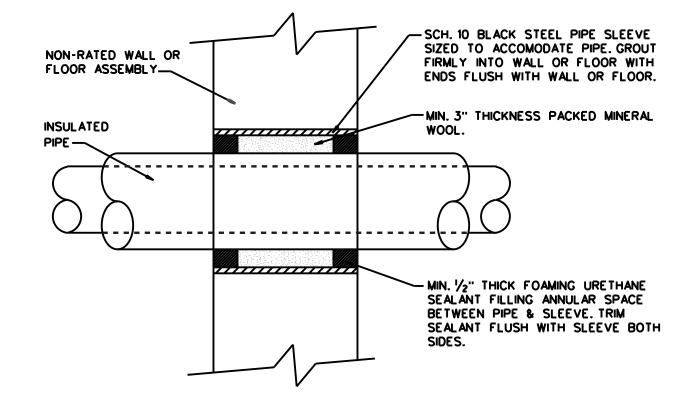
PIPE SUPPORT SCHEDULE



HOT & COLD WATER PIPE HANGER DETAIL NOT TO SCALE



SERVICE VALVE INSTALLATION DETAIL NOT TO SCALE



NON-RATED PIPE SLEEVE DETAIL NOT TO SCALE

