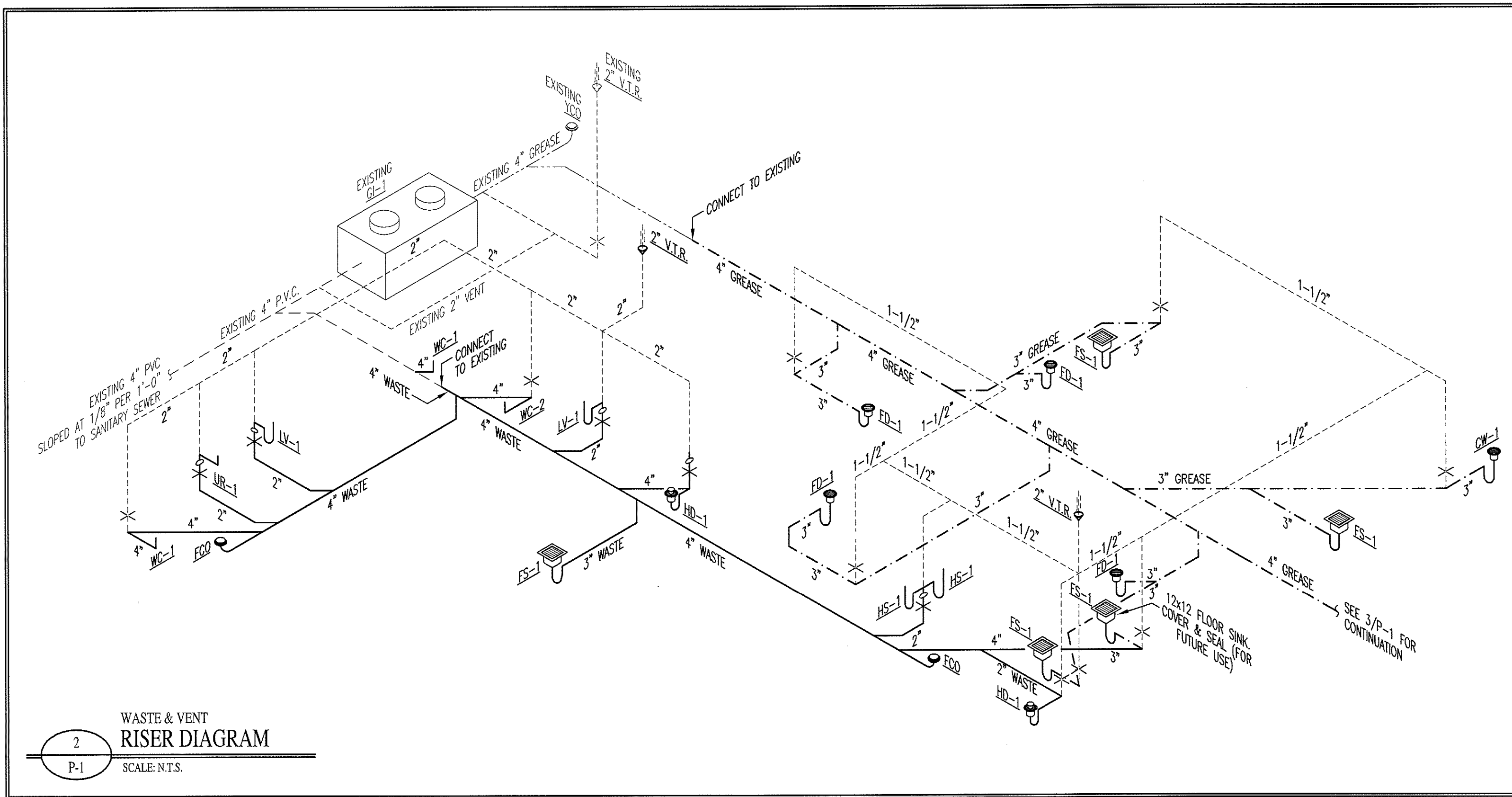
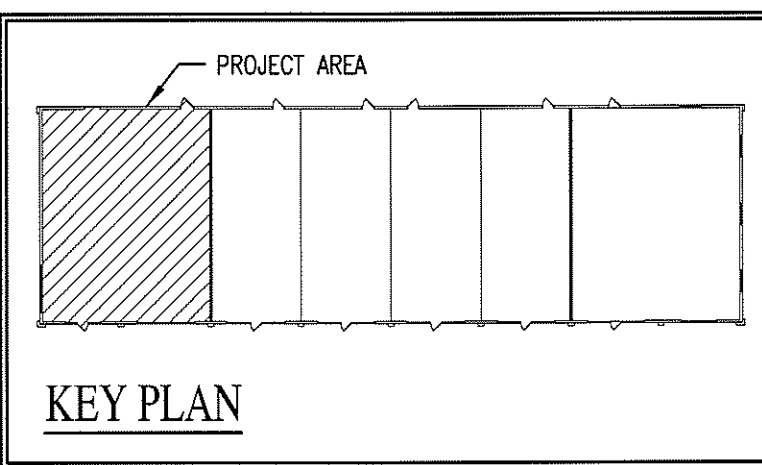


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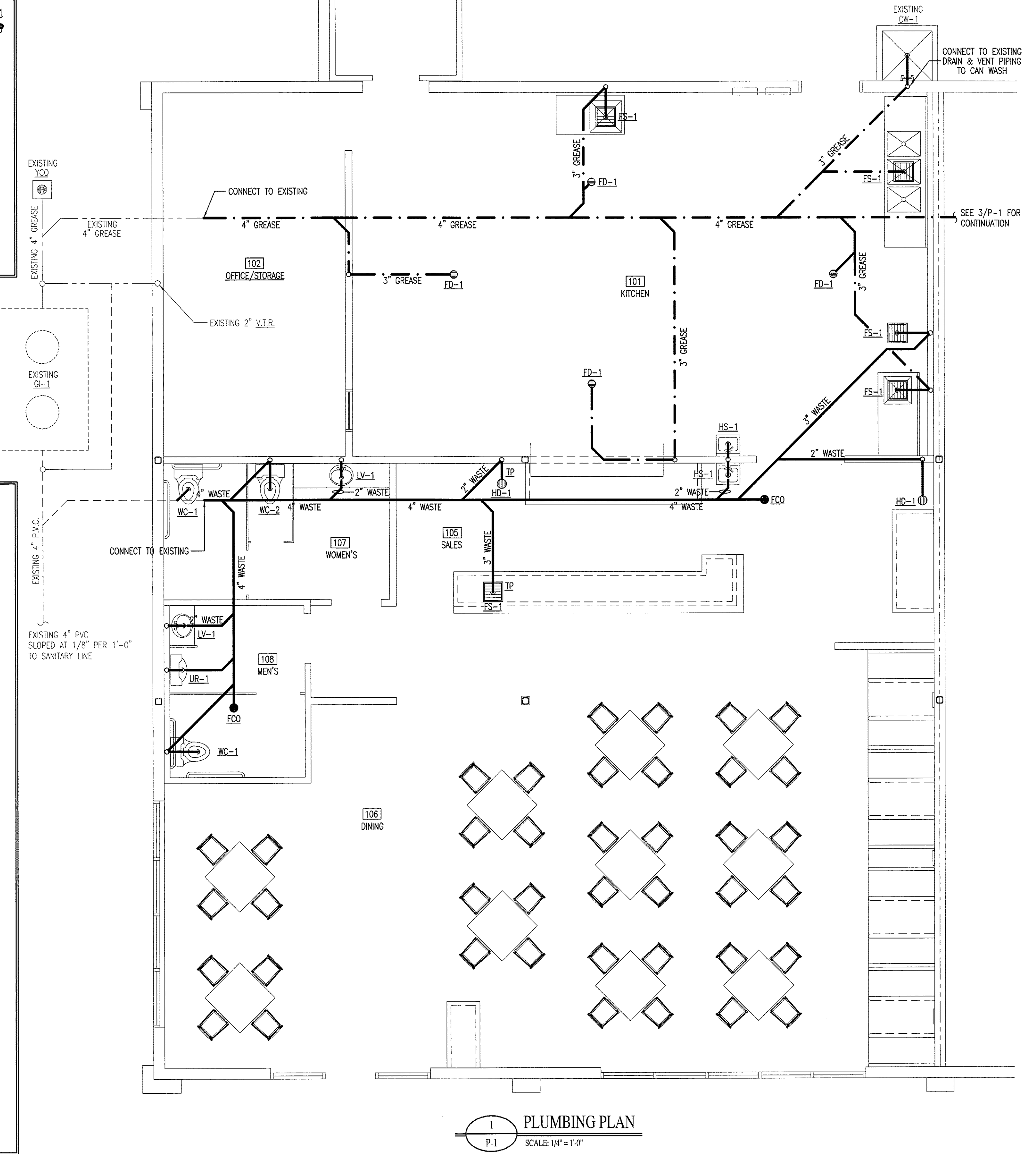
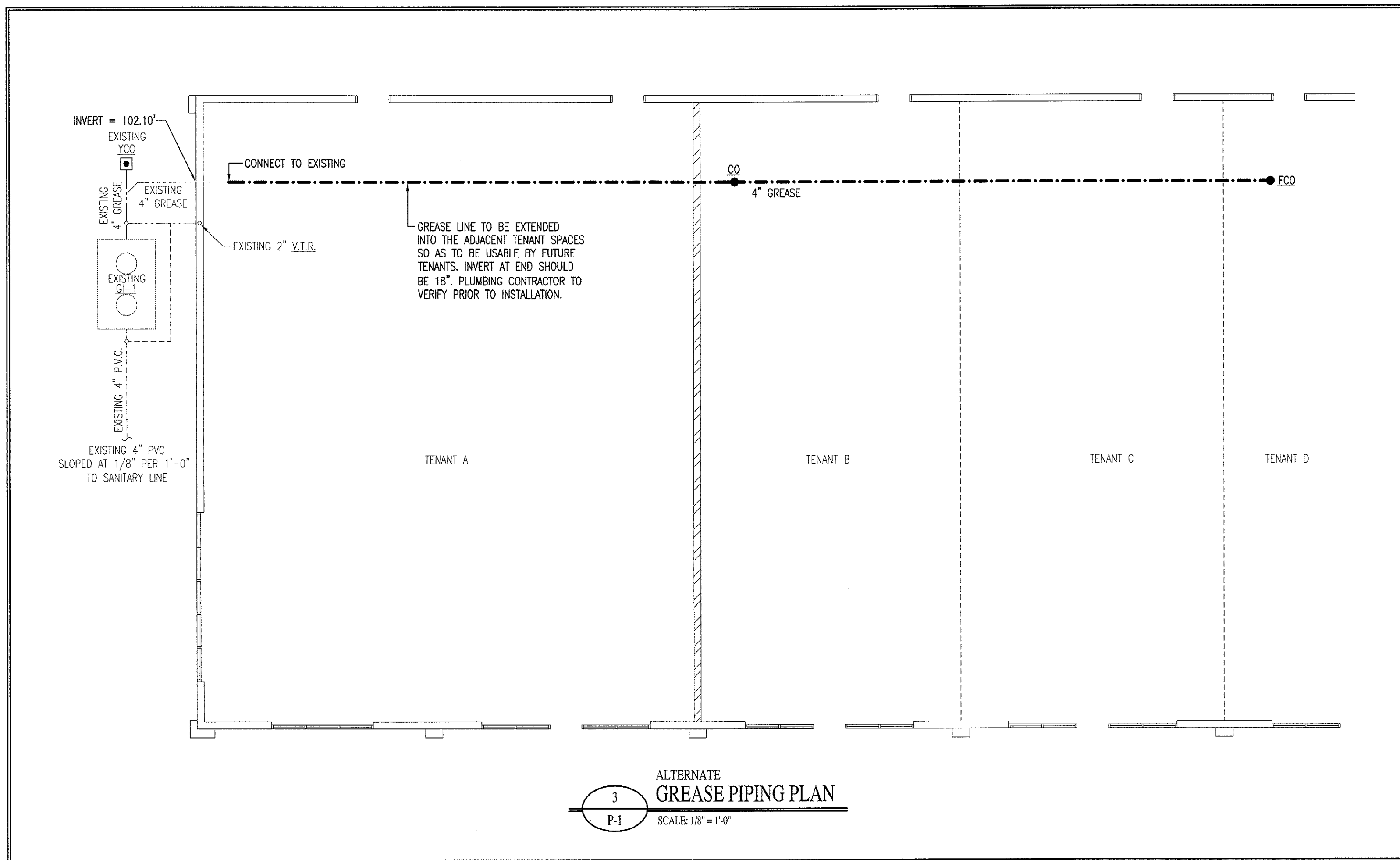
200 N. Main St., Suite B
Graham, N.C. 27253
Phone: (336) 226-4117
Fax: (336) 570-1926



PIPING LEGEND	
SYMBOL	DESCRIPTION
	NEW SEWER PIPING
	EXISTING SEWER PIPING
	NEW GREASE PIPING
	EXISTING GREASE PIPING
	VENT PIPING

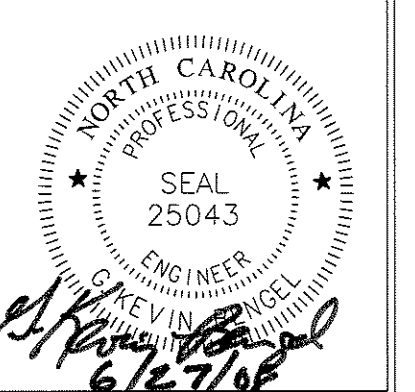


WALL LEGEND	
SYMBOL	DESCRIPTION
	2-HOUR RATED FIRE PARTITION



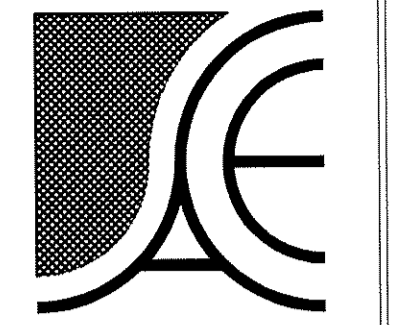
TENANT UPFIT FOR:
COLORADO CAFE
Gibsonville, North Carolina

DRAWING NAME
PLUMBING PLAN



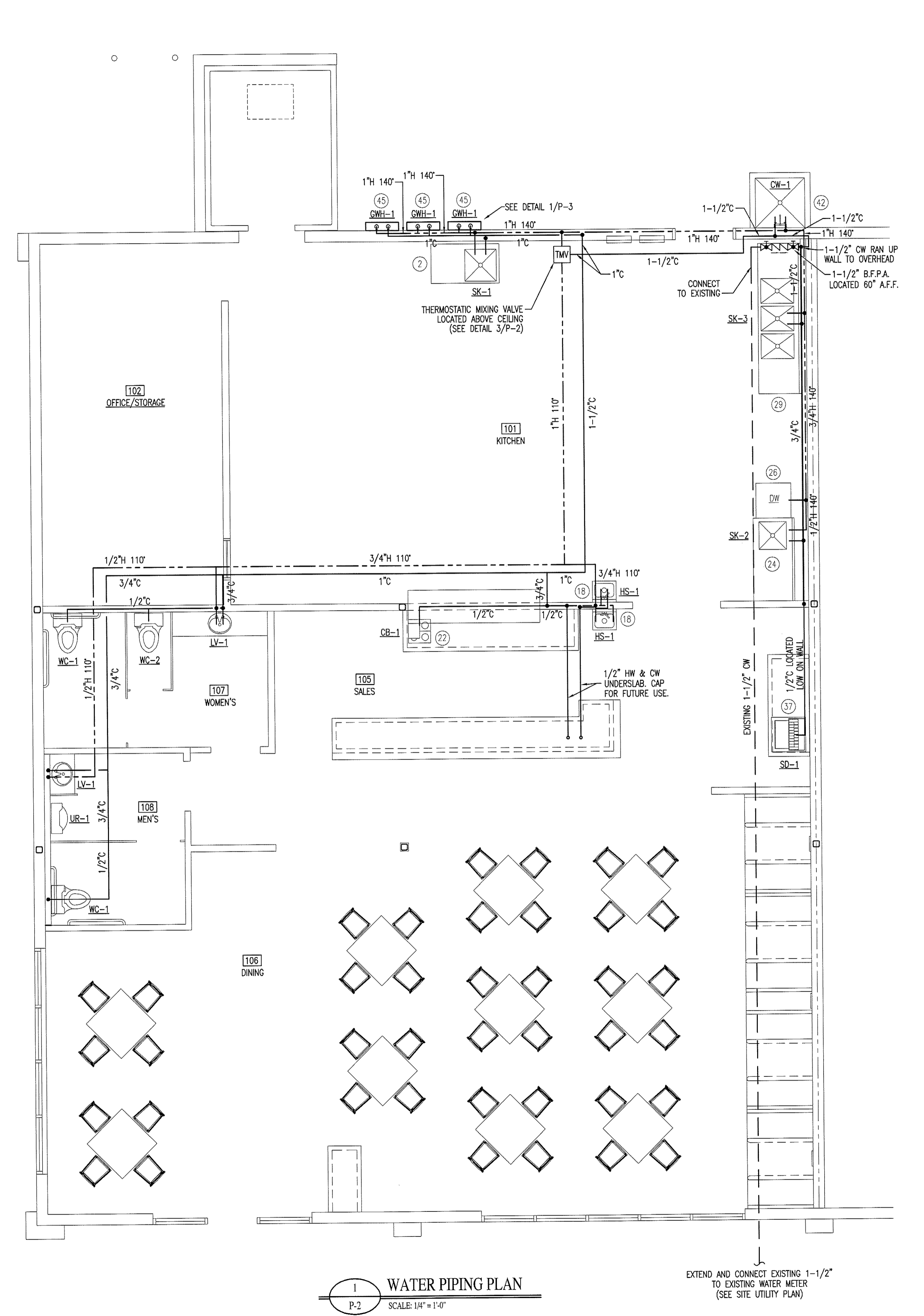
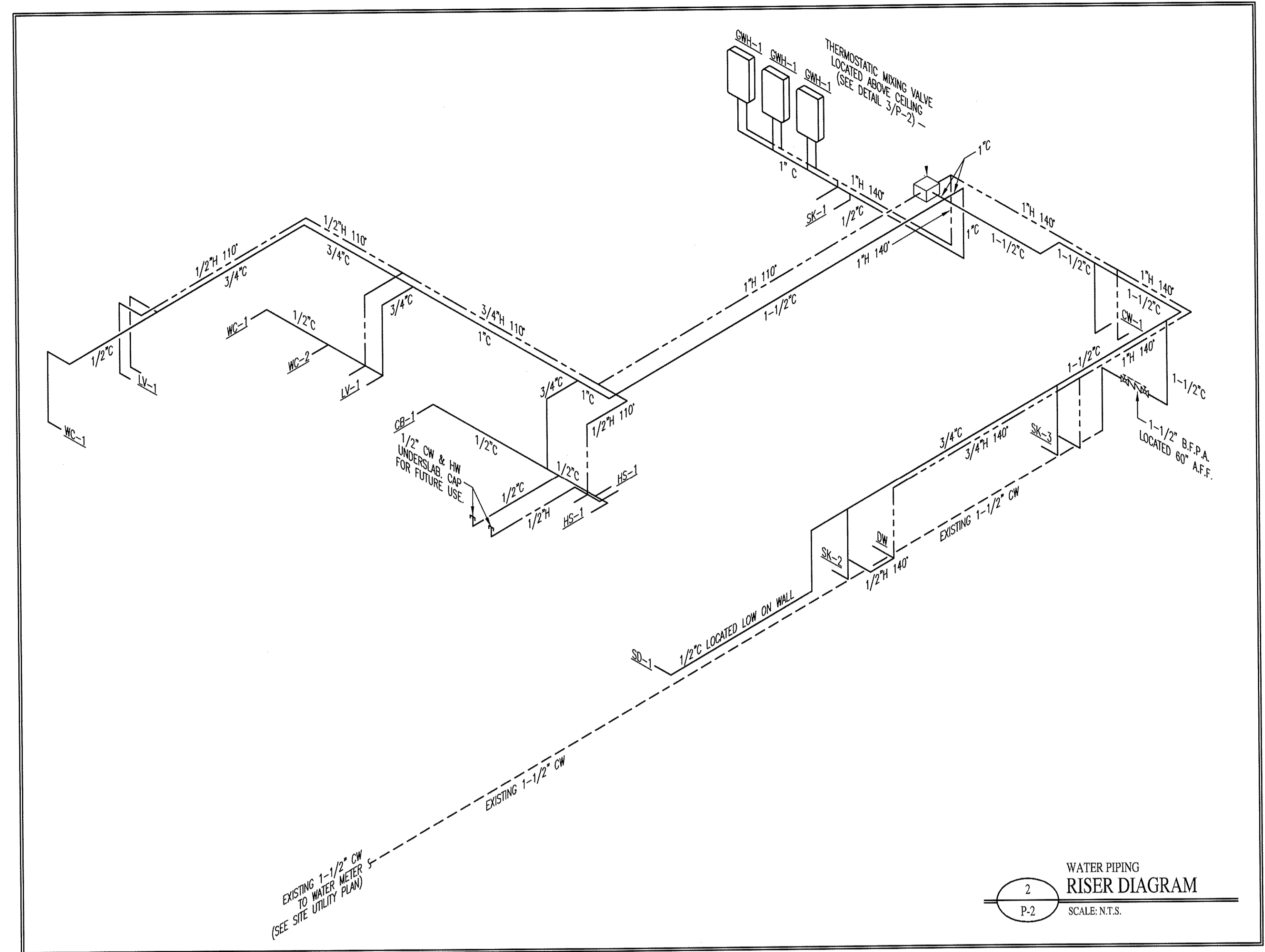
DRAWN
MKB
CHECKED
GMB
DATE
6/26/08
SCALE
AS NOTED
JOB NO.
7147
SHEET

P-1



Alamance Consulting Engineers

200 N. Main St., Suite B
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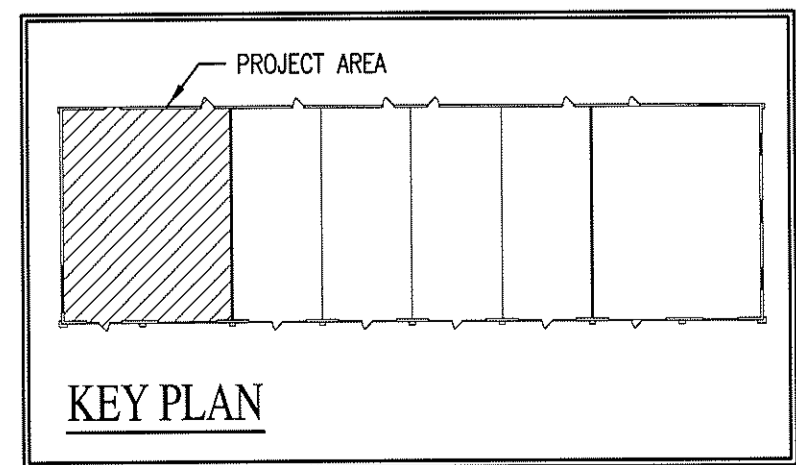
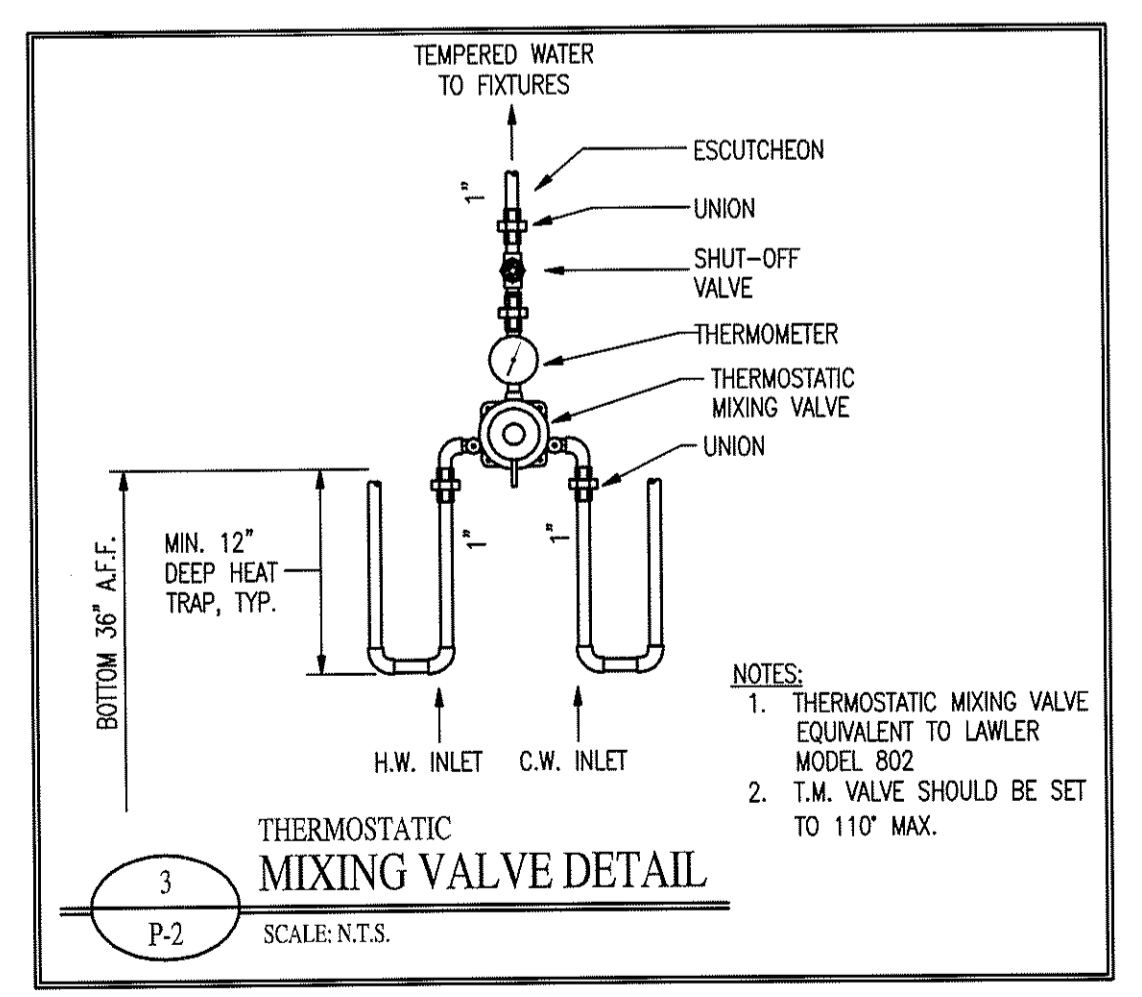


FOODSERVICE EQUIPMENT SCHEDULE

ITEM NO.	QTY.	DESCRIPTION	MANUFACTURER	MODEL NO.
2	1	SINGLE COMPARTMENT SINK	WIN HOLT	WS1T2424LD24
18	2	HAND SINK	ADVANCE TABCO	7-PS-79
22	1	COFFEE BREWER	BLOOMFIELD	8572
24	1	SOIL DISHTABLE	ADVANCE TABCO	DTS-S60-60RX
26	1	DISHWASHER	PURITAN	PA-1
29	1	THREE COMPARTMENT SINK	ADVANCE TABCO	T9-63-54-24RLX
37	1	SODA DISPENSER	PEPSI	PEPSI
42	1	3"x3" CAN WASH	BUILT ON SITE	BUILT ON SITE
45	2	TANKLESS GAS WATER HEATER	RINNAI	CBSE (2432 WC)

PIPING LEGEND

SYMBOL	DESCRIPTION
H	140° HOT WATER
H	110° TEMPERED WATER
C	COLD WATER
C	EXISTING COLD WATER



WALL LEGEND

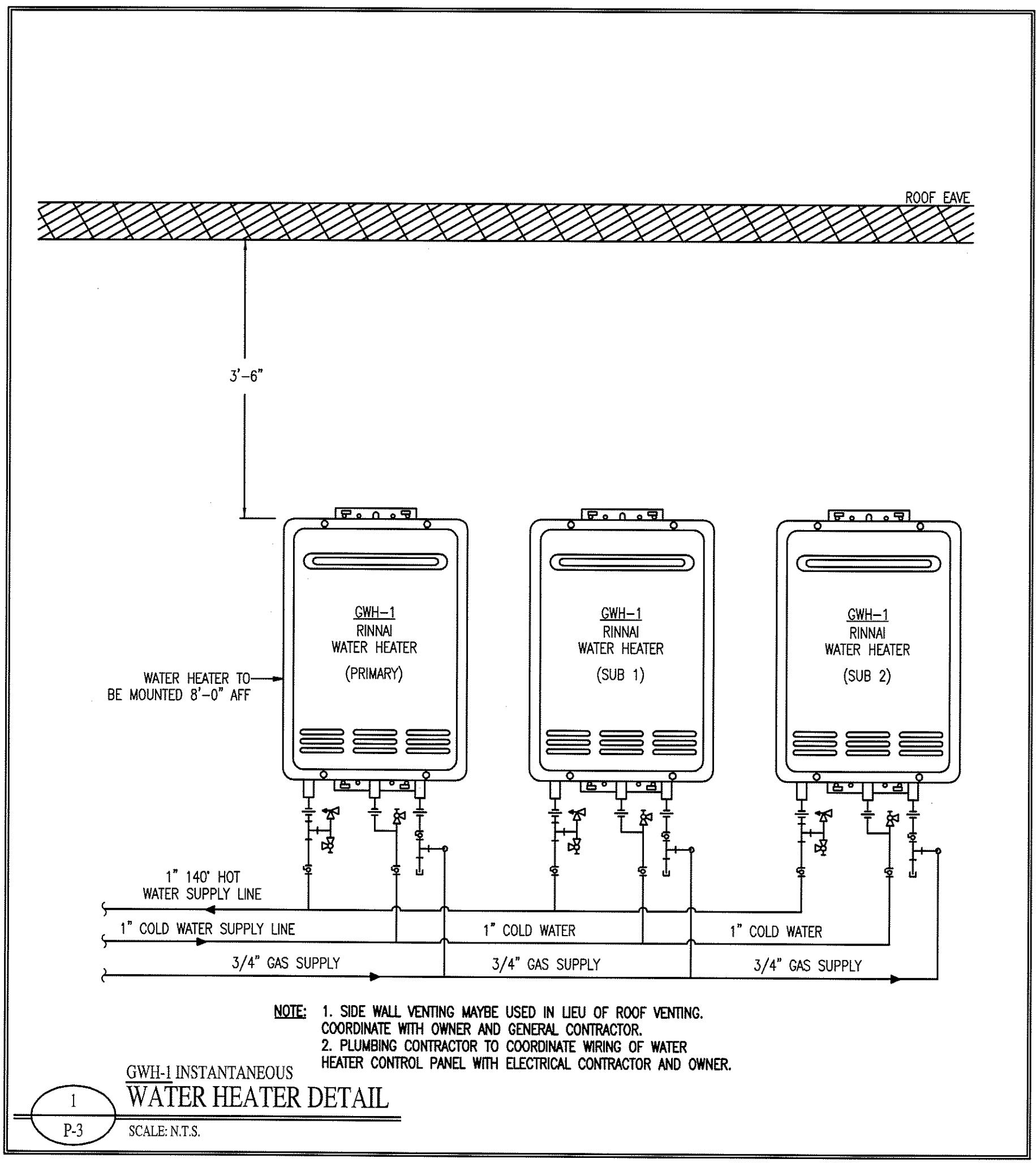
SYMBOL	DESCRIPTION
[Symbol]	2-HOUR RATED FIRE PARTITION

TENANT UPFIT FOR:
COLORADO CAFE
Gibsonville, North Carolina

DRAWING NAME:
PIPING PLAN

SEAL 25043
ENGINEER KEVIN BENJEL
6/26/08

DRAWN MKB
CHECKED GWS
DATE 6/26/08
SCALE AS NOTED
JOB NO. 7147
SHEET



- PLUMBING NOTES:**
1. PLUMBING TO BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
 2. PLUMBING CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES.
 3. ALL WASTE AND VENT PIPING TO BE SCHEDULE 40 P.V.C.
 4. WATER LINES TO BE CROSS-LINKED POLYETHYLENE.
 5. ALL P.V.C. UNDER SLAB SHALL BE A MINIMUM OF 2" NPS.
 6. COPPER PIPING TO BE INSULATED WHERE IT PASSES THROUGH CONCRETE.
 7. BACKFLOW PREVENTER ASSEMBLY (BPPA) TO BE 1-1/2" DOUBLE-CHECK TYPE. BPPA TO BE MOUNTED 12" A.F.F. AND 6" OF CLEARANCE ON EACH END AND MEET MANUFACTURERS RECOMMENDED ACCESS REQUIREMENTS.
 8. PLUMBING CONTRACTOR SHALL (OR HAVE LOCAL MUNICIPALITY) PERFORM A WATER PRESSURE TEST. IF RESIDUAL WATER PRESSURE IS MORE THAN 60 PSI OR LESS THAN 35 PSI, CONTACT ENGINEER TO ASSESS NEED FOR A PRESSURE REDUCING VALVE (PRV) OR A PRESSURE BOOSTER SYSTEM.
 9. INSULATE HOT & COLD WATER LINES IN ACCORDANCE WITH BUILDING CODE. INSULATE COLD WATER LINES WHERE SWEATING WOULD RESULT IN STRUCTURAL DAMAGE TO BUILDING DUE TO ROTTING OF WOOD OR STAINING OF CEILING TILES.
 10. LAVATORIES ARE TO BE EQUIPPED WITH CLEAN-OUT TEES BELOW.
 11. ALL FIXTURES ARE TO BE EQUIPPED WITH SHUT-OFF VALVES ON SUPPLY LINES.
 12. INSTALL TEMPERING VALVE AND ADJUST HOT WATER TEMPERATURE TO 110°F.
 13. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL PIPING AND EQUIPMENT WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION TO AVOID CONFLICTS AND INTERFERENCE WITH OTHER TRADES.
 14. FINAL UTILITY CONNECTIONS (GAS, ELECTRIC, WATER ETC.) TO EQUIPMENT SHALL BE MADE BY THE CONTRACTOR INSTALLING THE EQUIPMENT REQUIRING THE UTILITIES.
 15. PLANS AND ISOMETRICS ARE DIAGRAMMATIC. THERE IS NO INTENT TO INDICATE ALL AND FITTINGS REQUIRED. GENERALLY, PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO AND PLUMB WITH WALL CONSTRUCTION.
 16. SOIL AND WASTE PIPING SHALL BE LAID ON MINIMUM 1/4" PER FT. SLOPE FOR PIPE SIZES LESS THAN 3", AND MINIMUM 1/8" PER FT. FOR PIPE 3" AND LARGER UNLESS OTHERWISE NOTED.
 17. UNLESS OTHERWISE NOTED, PLUMBING CONTRACT SHALL TERMINATE AT A POINT FIVE (5) FEET OUTSIDE THE BUILDING. FOR WORK BY OTHER CONTRACTORS OUTSIDE THE 5 FOOT TERMINATION, REFER TO SITE UTILITY DRAWINGS.
 18. VALVES AND DEVICES INSIDE CHASES OR WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE PROVIDED WITH APPROPRIATELY SIZED ACCESS PANEL COMPATIBLE WITH SURROUNDING FINISHES. SUCH ACCESS PANELS SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR FOR INSTALLATION BY THE GENERAL CONTRACTOR.
 19. PLUMBING VENT PIPING PENETRATING ROOF SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR. CUTTING OF HOLES AND FLASHING OF PENETRATIONS SHALL BE BY THE GENERAL CONTRACTOR.
 20. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.

ITEM NO.	KITCHEN EQUIPMENT ITEM NO.	FIXTURE DESCRIPTION	MANUFACTURER	* MODEL NO.	CONNECTION SIZES				REMARKS		
					C.W.	110° H.W.	140° H.W.	WASTE		VENT	
WC-1	---	WATER CLOSET - TANK TYPE	AMER. STD.	2998.012	1/2"	---	---	4"	2"	FLOOR MTD. 1.6 GAL/FLUSH, H.C. HEIGHT	
WC-2	---	WATER CLOSET - TANK TYPE	AMER. STD.	2898.012	1/2"	---	---	4"	2"	FLOOR MTD. 1.6 GAL/FLUSH, STANDARD HEIGHT	
UR-1	---	URINAL	KOHLER	K-4917	---	---	---	2"	2"	WATERLESS URINAL	
LV-1	---	COUNTER MOUNT LAVATORY	AMER. STD.	1475.020	1/2"	1/2"	---	1-1/2"	1-1/2"	SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS	
HS-1	18	HAND SINK	ADVANCE TABCO	7-PS-79	1/2"	1/2"	---	1-1/2"	1-1/2"	SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS	
FS-1	---	FLOOR SINK	ZURN	Z-1902	---	---	---	3"	1-1/2"	10" DEEP, 12"x12" FLOOR RECEPTOR	
FD-1	---	FLOOR DRAIN	ZURN	Z-415-B	---	---	---	3"	1-1/2"	BODY ASSEMBLY WITH "TYPE B" STRAINER AND TRAP PRIMER	
HD-1	---	HUB DRAIN	CHARLOTTE PLASTICS	4"x2"	---	---	---	2"	1-1/2"	---	
CW-1	42	3'x3' CAN WASH	---	---	1/2"	---	---	1/2"	3"	1-1/2"	EXISTING, CONNECT TO SEWER & INSTALL WATER FIXTURE
SK-1	2	SINGLE COMPARTMENT SINK	WIN HOLT	WS1T2424LD24	1/2"	---	---	1/2"	---	---	---
SK-2	24	SOIL DISHTABLE	ADVANCE TABCO	DTS-560-60RX	1/2"	---	---	1/2"	---	---	---
DW	26	DISHWASHER	PURITAN	PA-1	---	---	---	1/2"	---	---	---
SK-3	29	THREE COMPARTMENT SINK	ADVANCE TABCO	T9-63-54-24RLX	3/4"	---	---	3/4"	---	---	---
SD-1	37	SODA DISPENSER	---	---	1/2"	---	---	---	---	---	PEPSI
CB-1	22	COFFEE BREWER	BLOOMFIELD	8572	1/2"	---	---	---	---	---	---
TP	---	TRAP PRIMER	J.R. SMITH	2698	---	---	---	---	---	---	SEE DETAIL 2/P-3

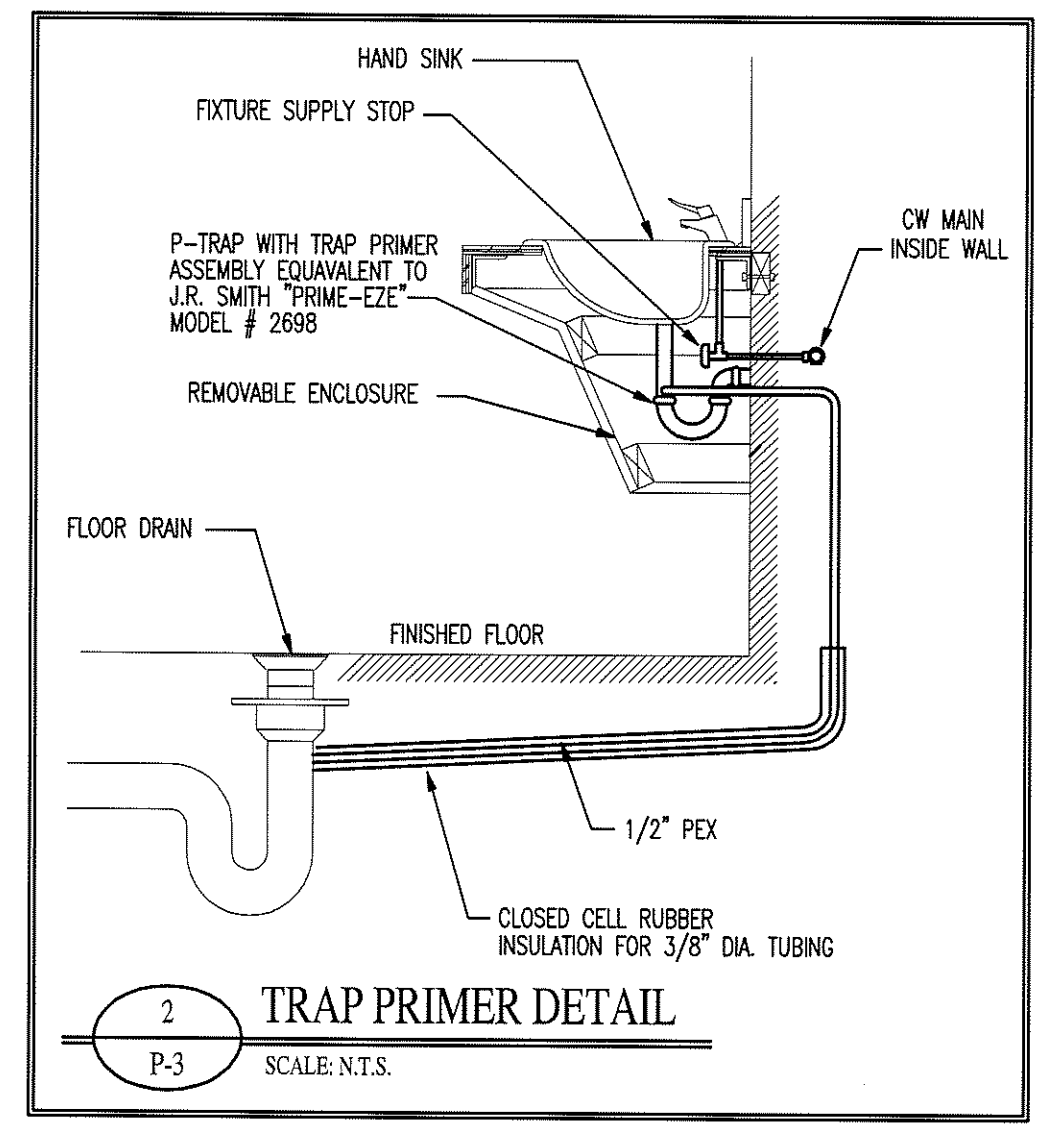
* FIXTURE MODEL NUMBERS LISTED ARE FOR DESCRIPTION ONLY.

FIXTURE TYPE	QUANTITY	WASTE FIXTURE UNITS		HOT WATER FIXTURE UNITS		COLD WATER FIXTURE UNITS		TOTAL WATER FIXTURE UNITS	
		PER UNIT	TOTAL	PER UNIT	TOTAL	PER UNIT	TOTAL	PER UNIT	TOTAL
WATER CLOSET - TANK	3	4	12	0	0	5	15	5	15
URINAL	1	4	4	0	0	5	5	5	5
LAVATORY	2	1	2	1.5	3	1.5	3	2	4
FLOOR DRAIN	5	2	10	0	0	0	0	0	0
HUB DRAIN	2	1	2	0	0	0	0	0	0
DISHWASHER (R)	1	2	2	1.4	1.4	0	0	1.4	1.4
HAND SINK	2	2	4	1	2	1	2	1.4	2.8
CAN WASH	1	2	2	2.25	2.25	2.25	2.25	3	3
1 & 3-COMP SINK	3	4	12	3	9	3	9	4	12
COFFEE BREWER	1	0	0	0	0	0.25	0.25	0.25	0.25
SODA DISPENSER	1	0	0	0	0	0.25	0.25	0.25	0.25
TOTAL			50		17.65		36.75		43.7

1. 4" WASTE LINE SLOPED AT 1/8" PER 1'-0" IS ADEQUATE FOR 180 FIXTURE UNITS
 2. 1-1/2" WATER LINE IS ADEQUATE FOR 56 GPM
 GPM = 27.3

MARK	TANK VOLUME	RECOVERY	TEMPERATURE RISE	GAS INPUT	MIN. EFF.	POWER	MANUFACTURER	MODEL
GWH-1	---	180 GPH	100°	199 MBH	82%	120V/1Ø	RINNAI	CB5E (2532W-C)

OCCUPANCY CLASSIFICATION (PER TABLE 403.1)	SQUARE FOOTAGE	SQ. FT. PER OCCUPANT (PER TABLE 1004.1.2)	CALCULATED # OF PEOPLE	DIVISION OF FACILITIES (PER 403.3)	FIXTURES REQUIRED PER TABLE 403.1												
					WATER CLOSETS	LAVATORIES	URINALS	SHOWERS/TUBS	DRINKING FOUNTAINS	WATER CLOSETS	LAVATORIES	URINALS	SHOWERS/TUBS	DRINKING FOUNTAINS			
KITCHEN [101] (ASSEMBLY A-2)	760 (GROSS)	200 GROSS	4	2 (50%) 2 (50%)	-	-	-	-	-	-	-	-	-	-	-	-	-
DINING [106] (ASSEMBLY A-2)	1,050 (GROSS)	15 NET	70	35 (50%) 35 (50%)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1,810 (GROSS)		74	37 (50%) 37 (50%)	2	2	2	2	-	-	-	-	1	2	1	1	1



TENANT UPFIT FOR:
COLORADO CAFE
 Gibsonville, North Carolina

DRAWING NAME
 PLUMBING NOTES AND DETAILS

PROFESSIONAL ENGINEER
 SEAL 25043
 KEVIN BENNETT
 6/26/08

DRAWN
 MKB
 CHECKED
 6/15
 DATE
 6/26/08
 SCALE
 AS NOTED
 JOB NO.
 7147
 SHEET

P-3