



SEAL

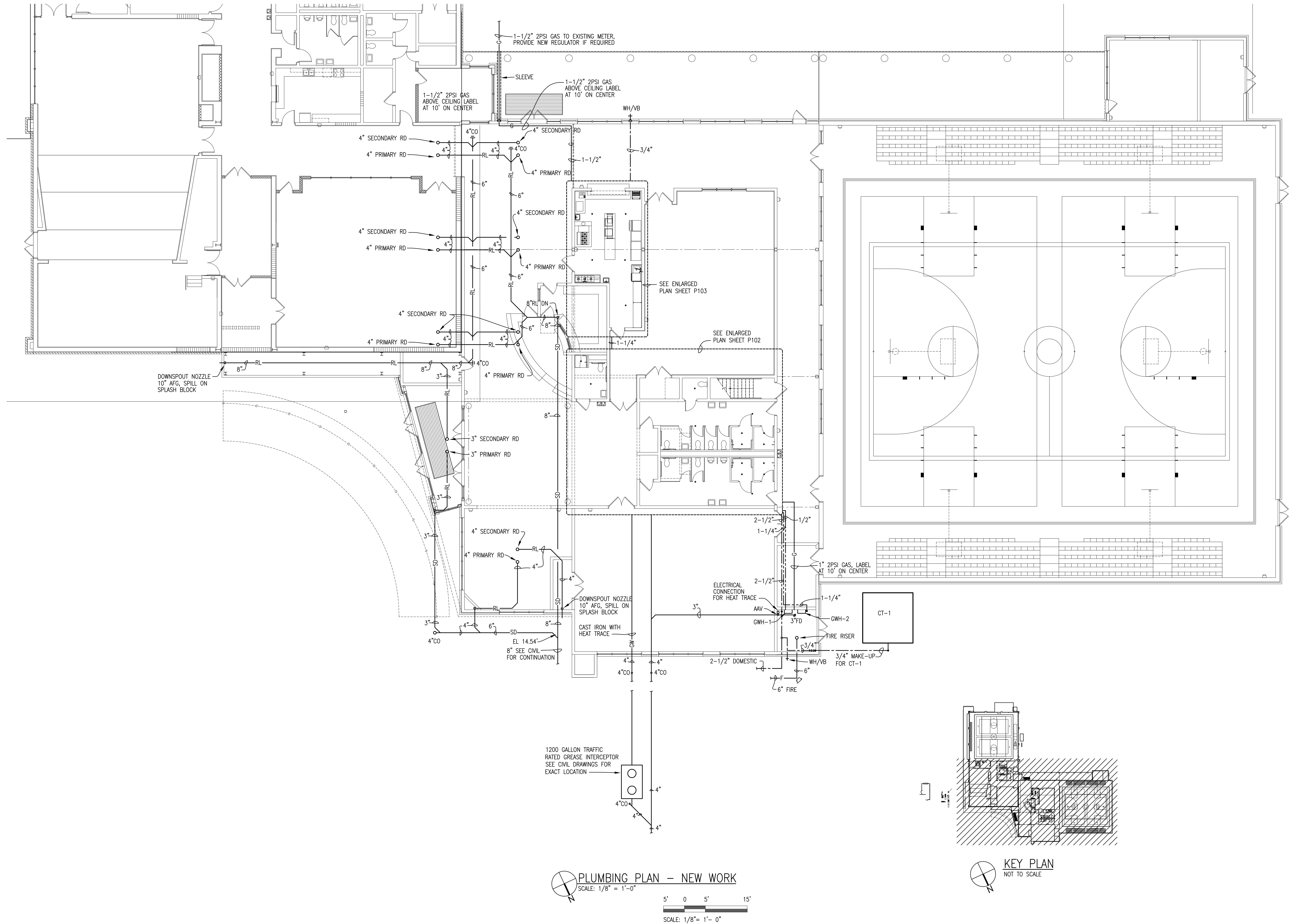
PETERSON ENGINEERING INC.
(PROF. ENG. #: 3600)
75 SOUTH "F" STREET

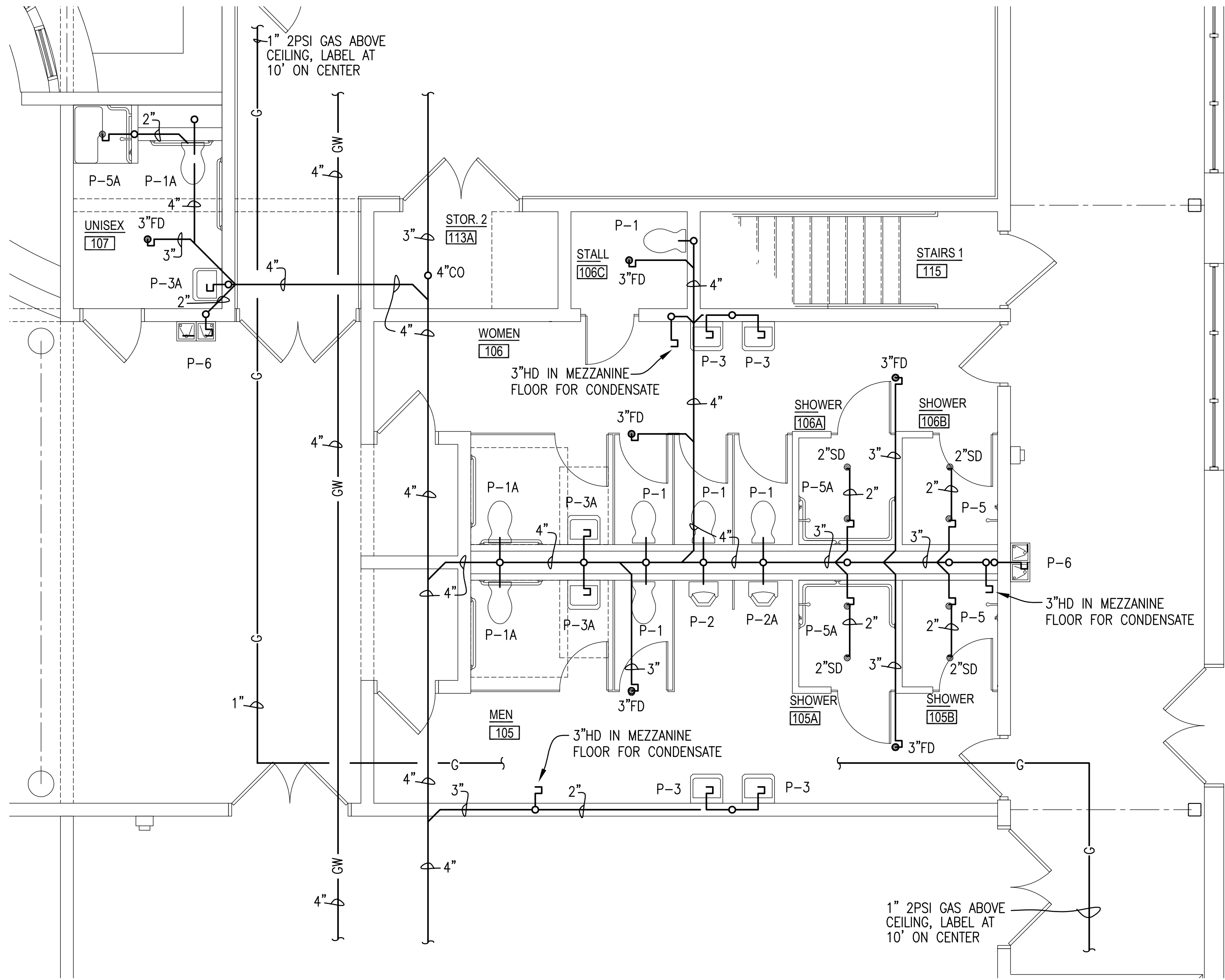
PROJECT: **Gulf Breeze Community Center**
800 Shoreline Drive
Gulf Breeze, FL 32561

SHEET TITLE: **PLUMBING PLAN – NEW WORK**

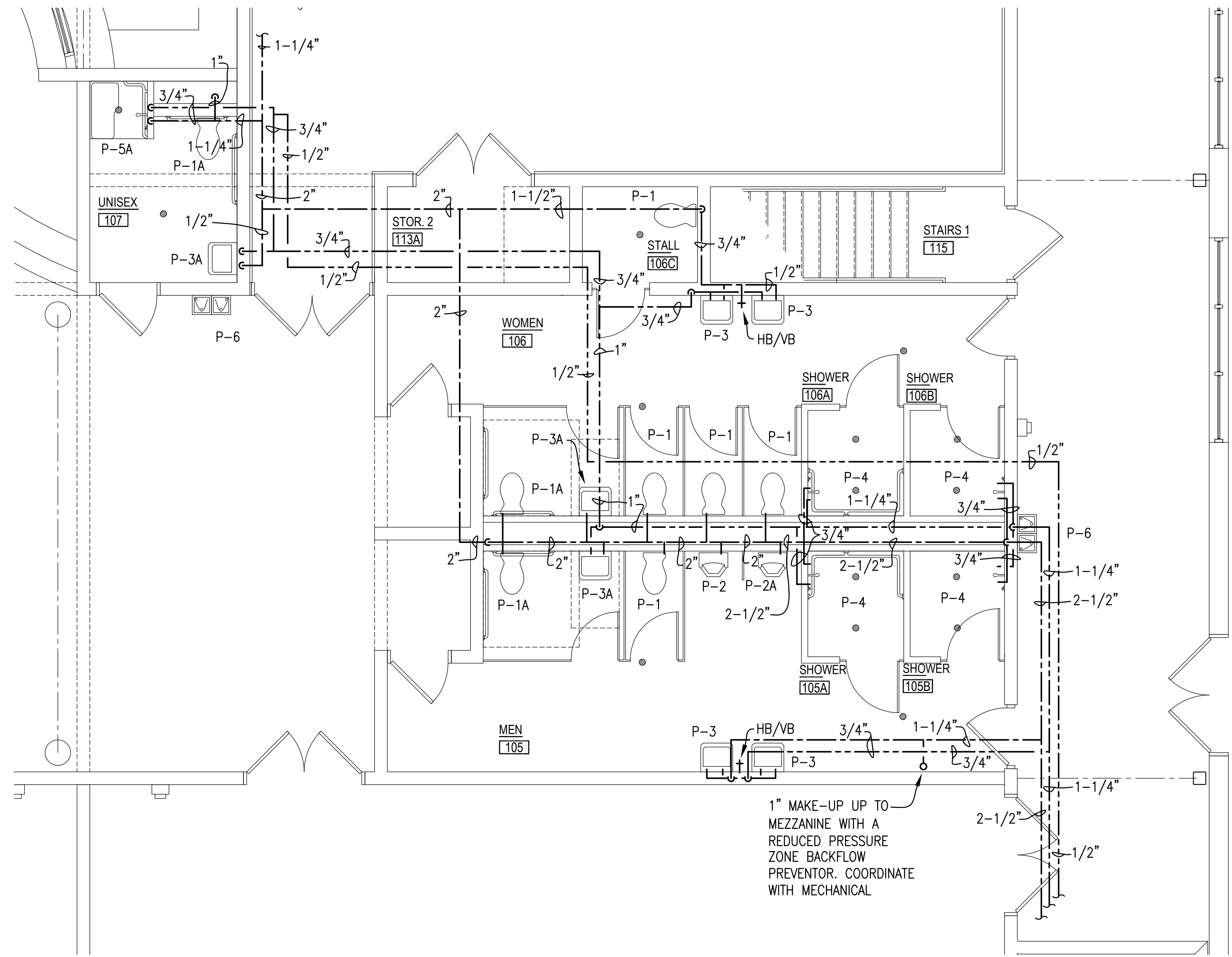
SHEET

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ENLARGED PLUMBING PLAN – NEW WORK – RESTROOM – WASTE
SCALE: 1/4" = 1'-0"



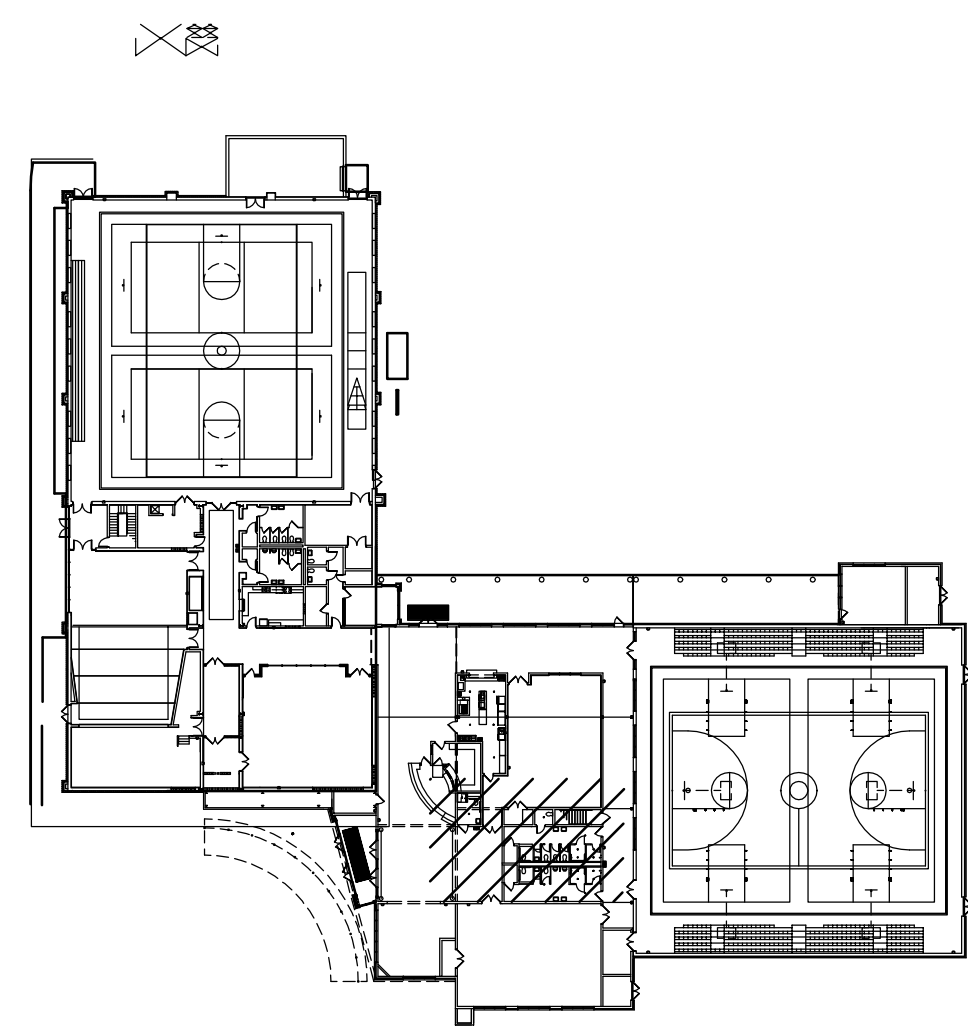
ENLARGED PLUMBING PLAN – NEW WORK – RESTROOM- WATER
SCALE: 1/4" = 1'-0"

FIXTURE CONNECTION SCHEDULE					
MARK	DESCRIPTION	WASTE	CW	HW	REMARKS
P-1	WATER CLOSET	4"	1"	--	WALL HUNG WHITE VITREOUS CHINA ELONGATED BOWL WITH SENSOR OPERATED BATTERY POWER FLUSH VALVE WITH OVERRIDE. MAXIMUM WATER USE 1.28 GPF
P-1A	WATER CLOSET (ADA)	4"	1"	--	WALL HUNG WHITE VITREOUS CHINA ELONGATED BOWL WITH SENSOR OPERATED BATTERY POWER FLUSH VALVE WITH OVERRIDE. MAXIMUM WATER USE 1.28 GPF
P-2	URINAL	2"	3/4"	--	WALL HUNG WHITE VITREOUS CHINA WITH SENSOR OPERATED BATTERY POWERED FLUSH VALVE WITH OVERRIDE. MAXIMUM WATER USE 0.128 GPF
P-2A	URINAL (ADA)	2"	3/4"	--	WALL HUNG WHITE VITREOUS CHINA WITH SENSOR OPERATED BATTERY POWERED FLUSH VALVE WITH OVERRIDE. MAXIMUM WATER USE 0.128 GPF
P-3	LAVATORY	1-1/4"	1/2"	1/2"	WALL HUNG WHITE VITREOUS CHINA WITH METERING MIXING FAUCET AT 0.25 GPM
P-3A	LAVATORY (ADA)	1-1/4"	1/2"	1/2"	WALL HUNG WHITE VITREOUS CHINA WITH METERING MIXING FAUCET AT 0.25 GPM
P-4	HAND SINK	1-1/2"	1/2"	1/2"	WALL HUNG STAINLESS STEEL
P-4A	FLOOR SINK	3"	--	--	FLOOR RECESSED WITH 3/4" GRATE
P-5	SHOWER	2"	1/2"	1/2"	SHOWER TO BE ONE PIECE FIBERGLASS WITH BUILT-IN SOAP DISH WITH SINGLE LEVER PRESSURE BALANCING VALVE, MAXIMUM WATER USE 1.5 GPM
P-5A	SHOWER (ADA)	2"	1/2"	1/2"	SHOWER TO BE ONE PIECE FIBERGLASS WITH BUILT-IN SOAP DISH AND GRAB BARS WITH SINGLE LEVER PRESSURE BALANCING VALVE, 60" STAINLESS STEEL FLEX HOSE, SLIDE BAR, HAND HELD SHOWER HEAD, VACUUM BREAKER AND FOLDING SEAT, MAXIMUM WATER USE 1.5 GPM
P-6	ELECTRIC WATER COOLER (ADA)	1-1/4"	1/2"	--	WALL HUNG SPLIT LEVEL BUBBLER STYLE, STAINLESS STEEL WITH BOTTLE FILLER ON UPPER UNIT, LEFT HAND SIDE
FD	FLOOR DRAIN	3"	1/2"	--	PROVIDE WITH TRAP PRIME
HB	HOSE BIBB	--	3/4"	--	CHROME PLATED WITH LOOSE KEY HANDLE AND VACUUM BREAKER
WH	WALL HYDRANT	--	3/4"	--	RECESSED WALL BOX FREEZE PROOF WITH LOOSE KEY HANDLE AND VACUUM BREAKER
HD	HUB DRAIN	3"	--	--	PROVIDE WITH TRAP GUARD

(ADA) DENOTES FIXTURES TO BE MANUFACTURED AND MOUNTED FOR AMERICANS WITH DISABILITIES USE. INSULATE SUPPLIES AND P-TRAP.

LEGEND:

—GW—	GREASE WASTE PIPING
—	SOIL OR WASTE PIPING
- - -	VENT PIPING
—	COLD WATER PIPING
- - -	HOT WATER PIPING
—RL—	RAIN LEADER PIPING
—SD—	STORM DRAIN PIPING
—G—	GAS PIPING
CO	CLEANOUT
FD	FLOOR DRAIN
WH	WALL HYDRANT
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
HB	HOSE BIBB
AHU	AIR HANDLING UNIT
ERV	ENERGY RECOVERY VENTILATION
AFG	ABOVE FINISHED GRADE
SD	SHOWER DRAIN
AAV	AIR ADMITTANCE VALVE
HD	HUB DRAIN
CT	COOLING TOWER



5' 0 5'
SCALE: 1/4" = 1'-0"

SEAL

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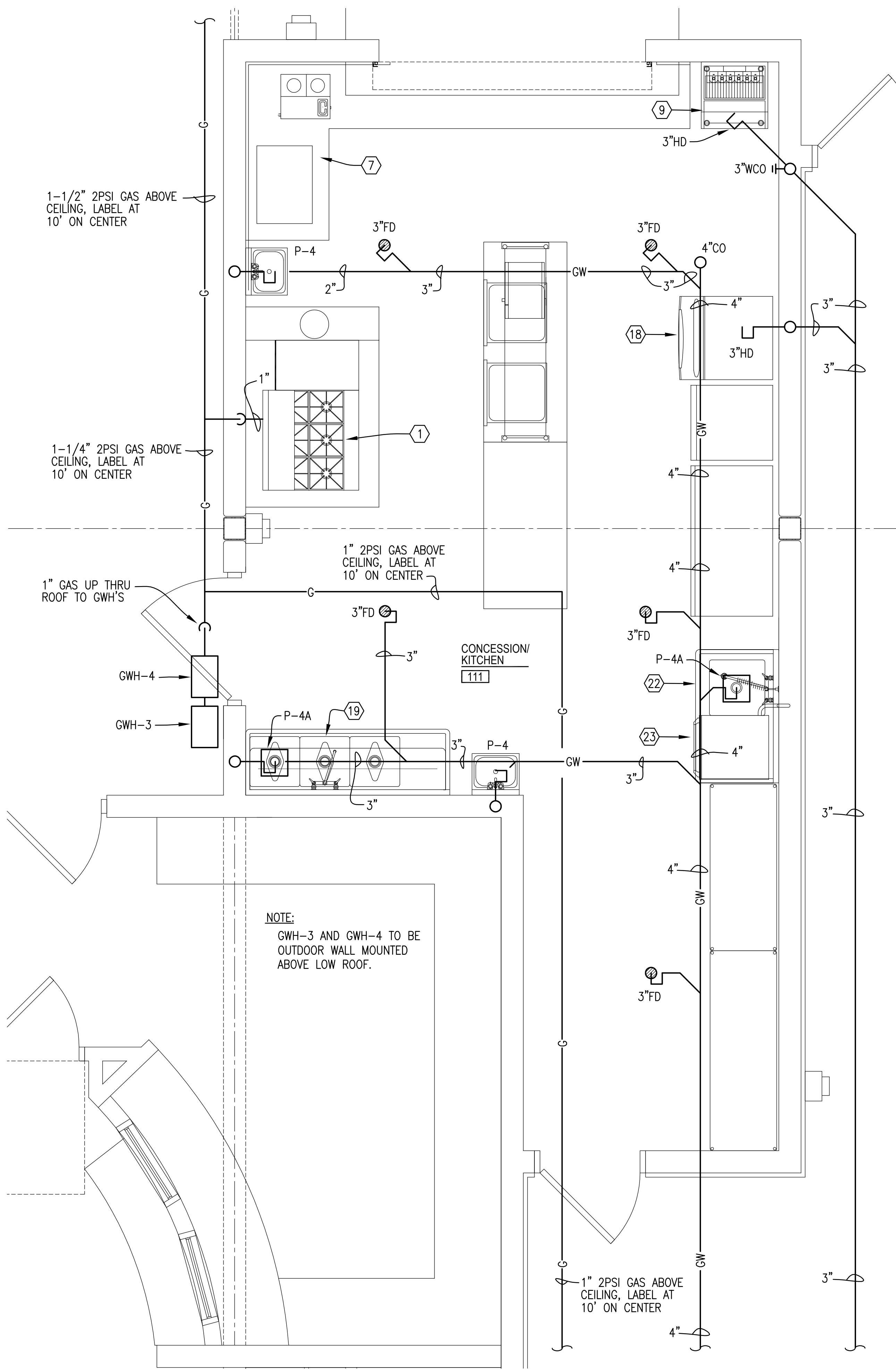
bay design
associates architects,
florida certificate of
authorization AA0003561

PROJECT: Gulf Breeze Community Center
800 Shoreline Drive
Gulf Breeze, FL 32561
SHEET TITLE: ENLARGED PLUMBING PLAN – NEW WORK – RESTROOM – WATER

PROJECT NO: 2413
FILE NO:
DATE: 06.01.2011
REVISION:

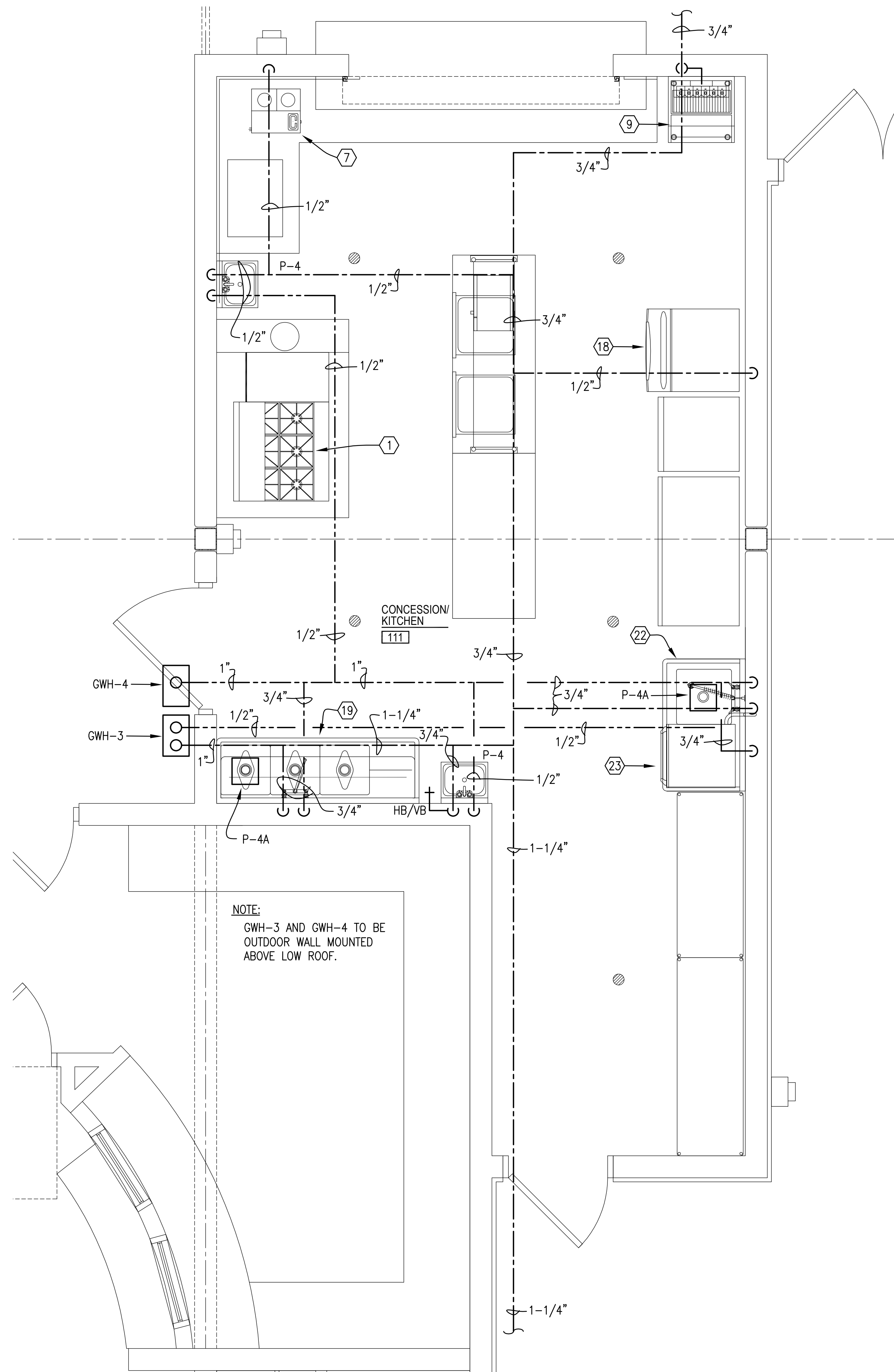
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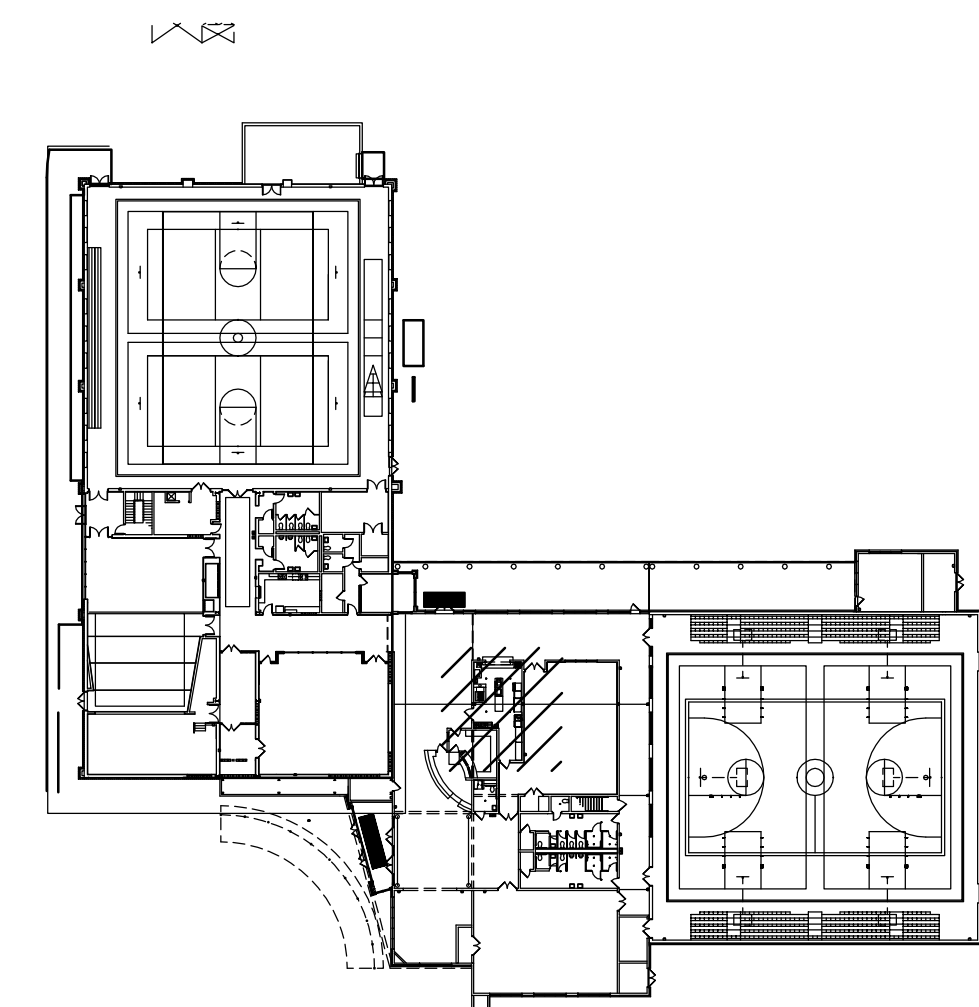


ENLARGED PLUMBING PLAN – NEW WORK – KITCHEN – WASTE
SCALE: 1/2" = 1'-0"

MARK	DESCRIPTION	WASTE	CW	HW	NAT GAS	REMARKS
(1)	6 BURNER RANGE WITH OVEN	--	--	--	170 CFH	SEE KITCHEN EQUIPMENT DRAWINGS
(7)	COFFEE MAKER	--	1/2"	--	--	SEE KITCHEN EQUIPMENT DRAWINGS
(9)	SOFT DRINK DISPENSER/ICE BIN	TO HD	1/2"	--	--	SEE KITCHEN EQUIPMENT DRAWINGS
(18)	ICE MAKER WITH BIN	TO HD	1/2"	--	--	SEE KITCHEN EQUIPMENT DRAWINGS
(19)	THREE COMPARTMENT SINK	TO FS	3/4"	3/4"	--	SEE KITCHEN EQUIPMENT DRAWINGS
(22)	DISH TABLE WITH SINK	TO FS	1/2"	1/2"	--	SEE KITCHEN EQUIPMENT DRAWINGS
(23)	WAREWASHER, U/C HIGH TEMPERATURE	TO FS	--	3/4"	--	SEE KITCHEN EQUIPMENT DRAWINGS

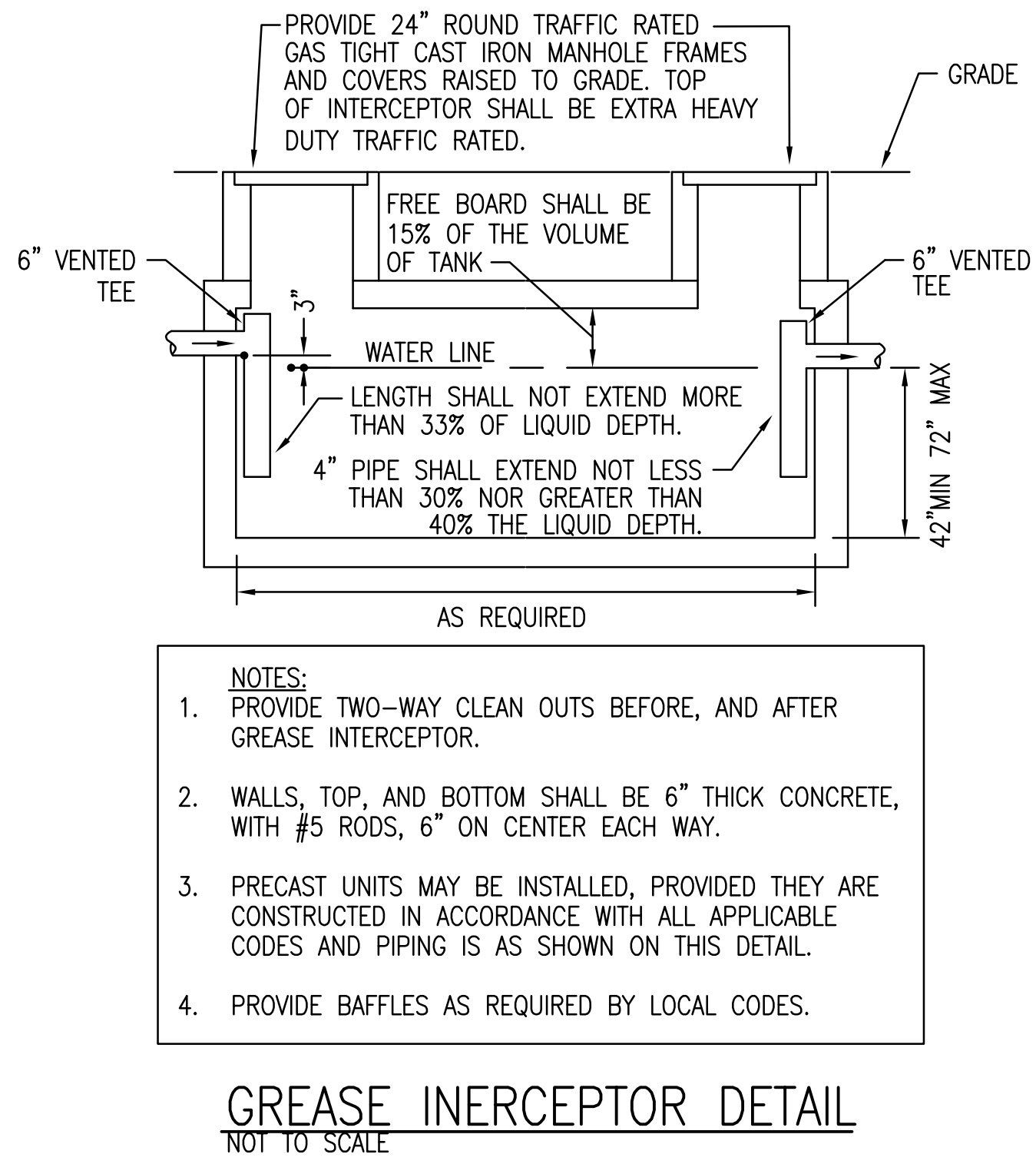


ENLARGED PLUMBING PLAN – NEW WORK – KITCHEN – WATER
SCALE: 1/2" = 1'-0"



12" 6" 0 1' 2' 3' 4' 5'
SCALE: 1/2" = 1'-0"

KEY PLAN
NOT TO SCALE



CALCULATIONS FOR GREASE INTERCEPTOR:

(M) X (GM) X (LF) = EFFECTIVE CAPACITY OF GREASE INTERCEPTOR IN GALLONS

MEALS PER DAY (M) = 300

GALLONS OF WATER PER MEAL (GM) = 5

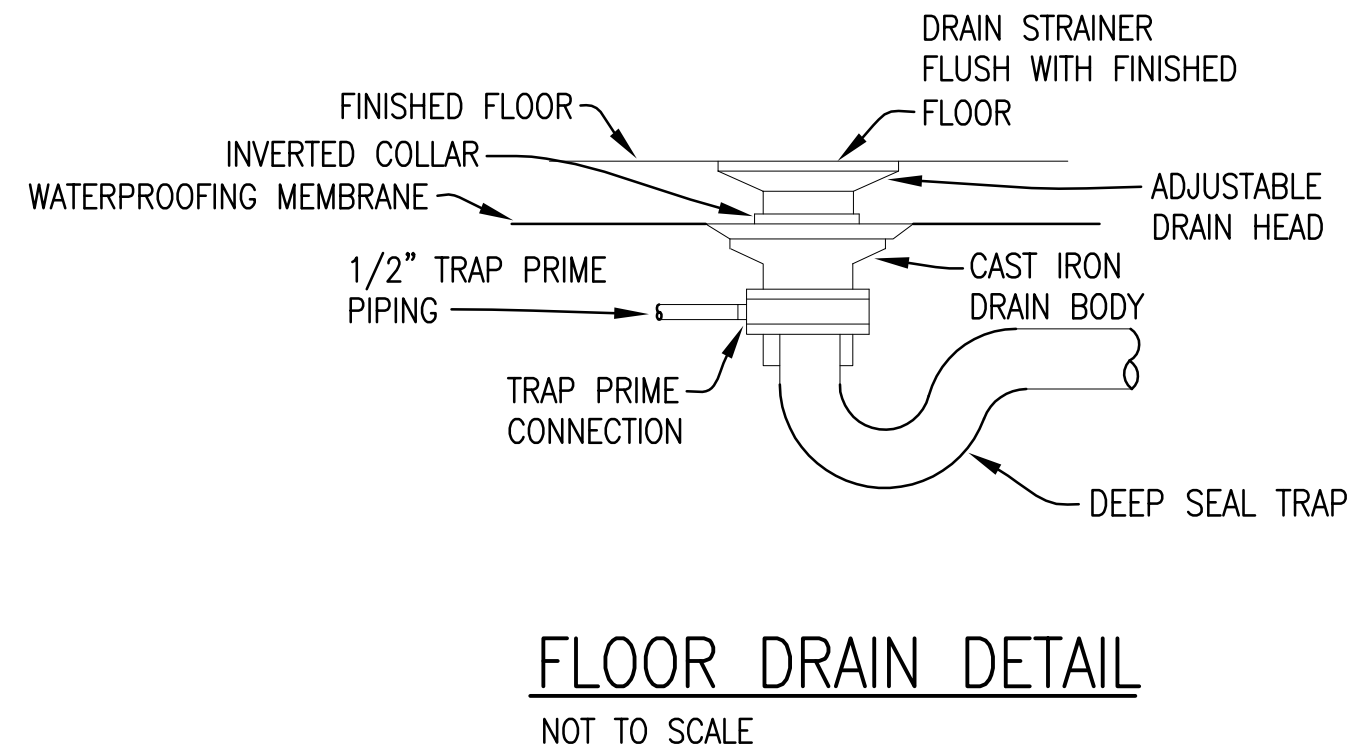
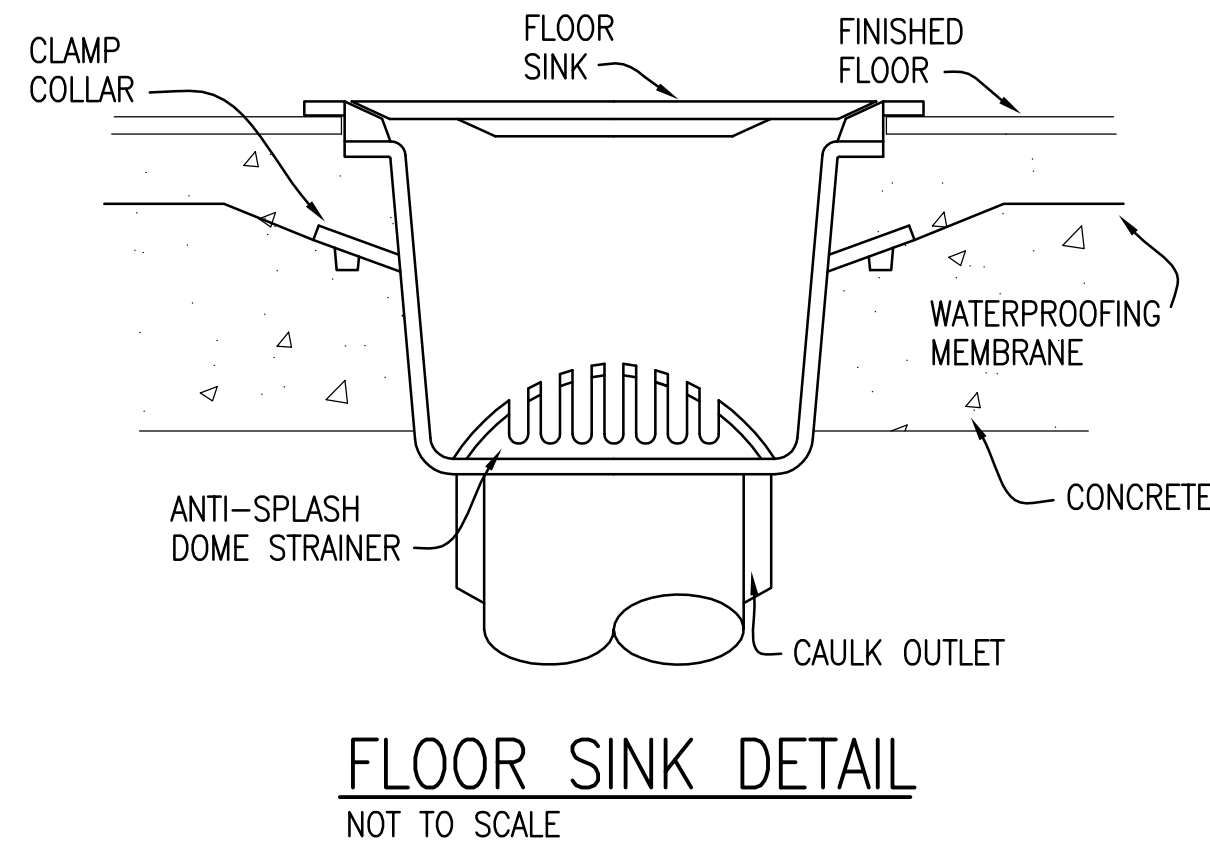
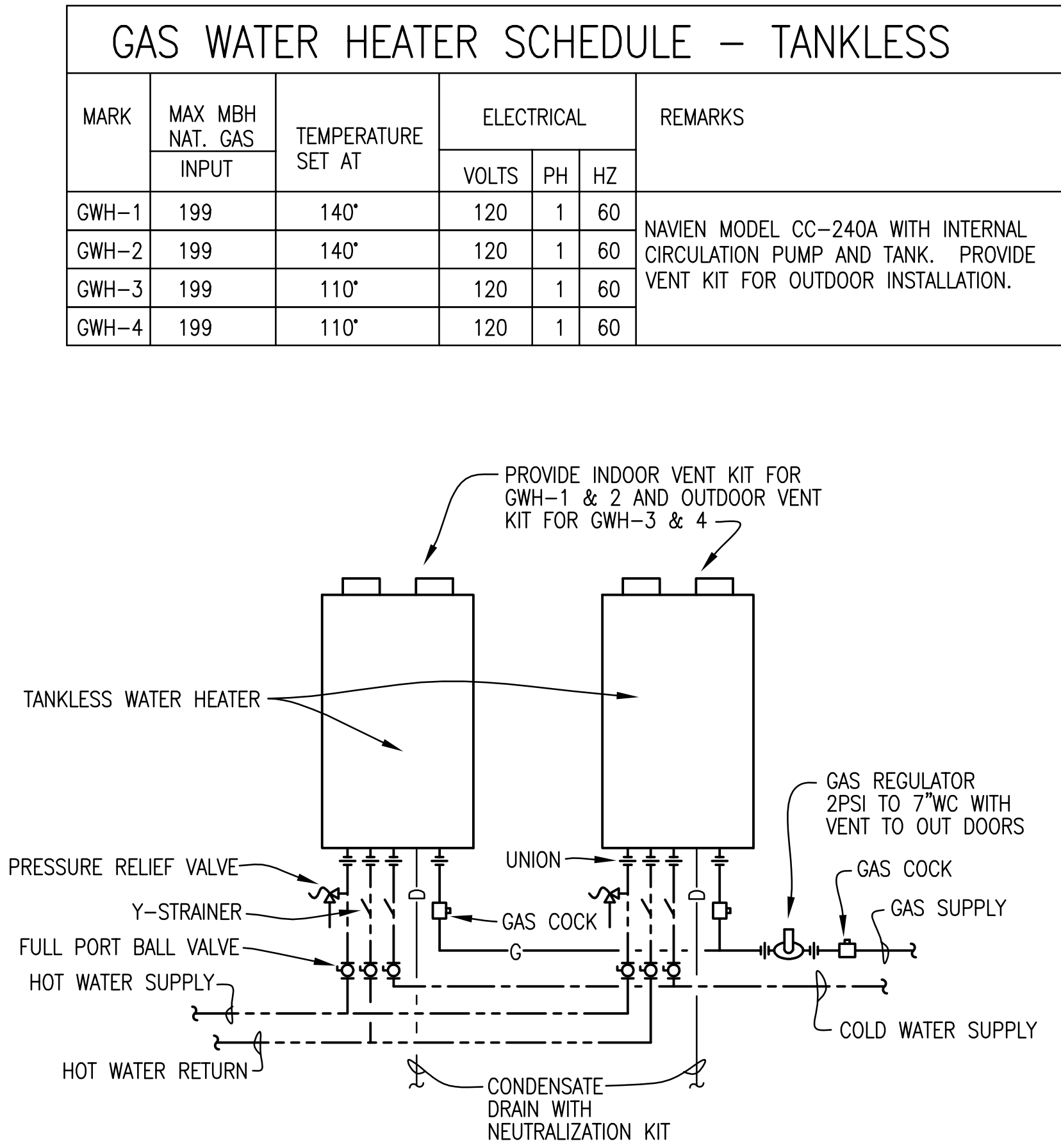
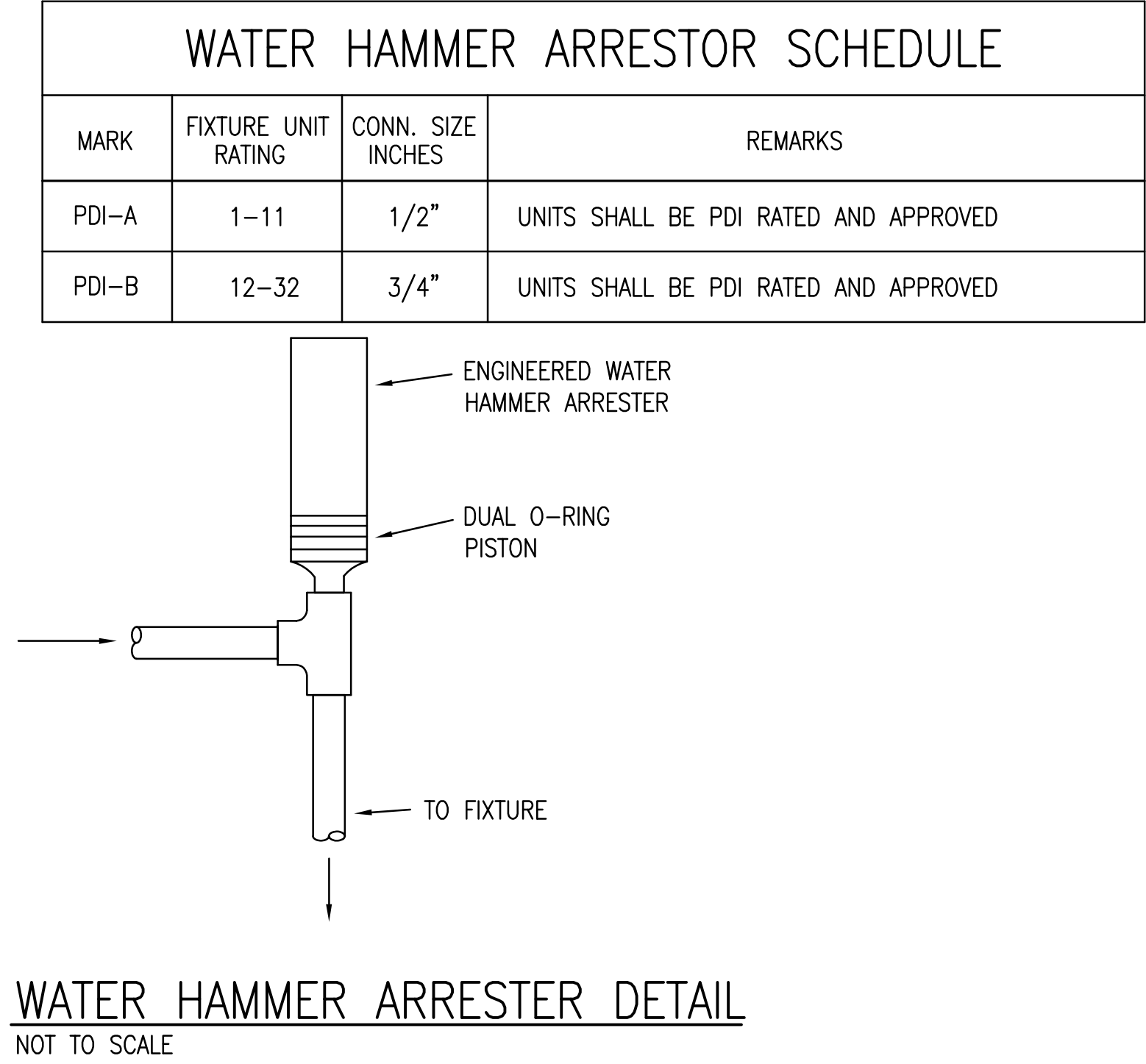
LOAD FACTOR (LF) = .75

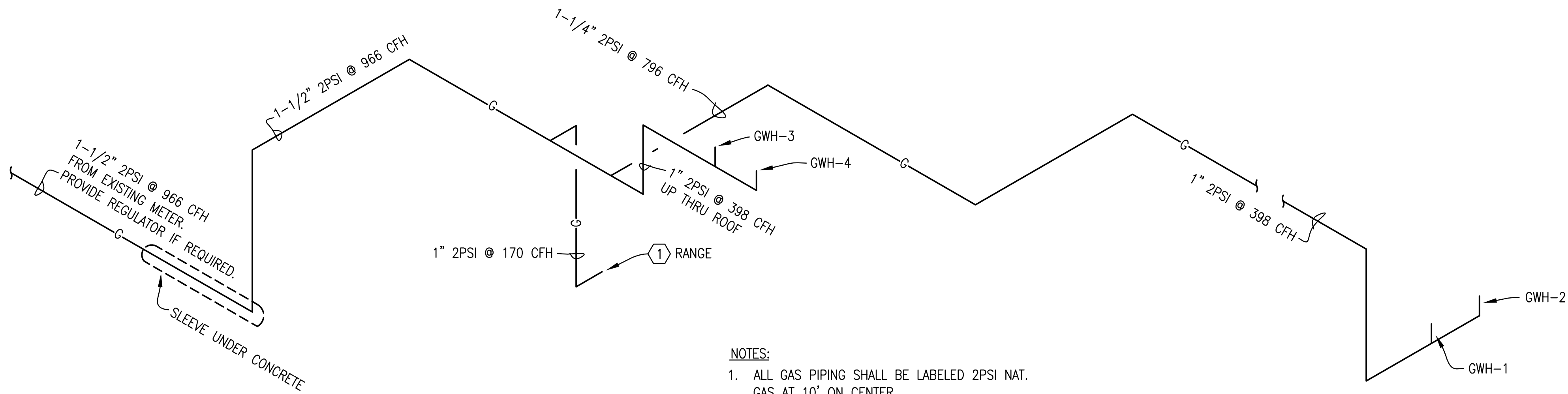
300 X 5 X .75 = 1125 GALLONS REQUIRED

A 25% REDUCTION IS ALLOWABLE DUE TO CITY SEWER SYSTEM CONNECTION

(1125) (1-.25) = 844 GALLONS REQUIRED

USE 1200 GALLON GREASE INTERCEPTOR



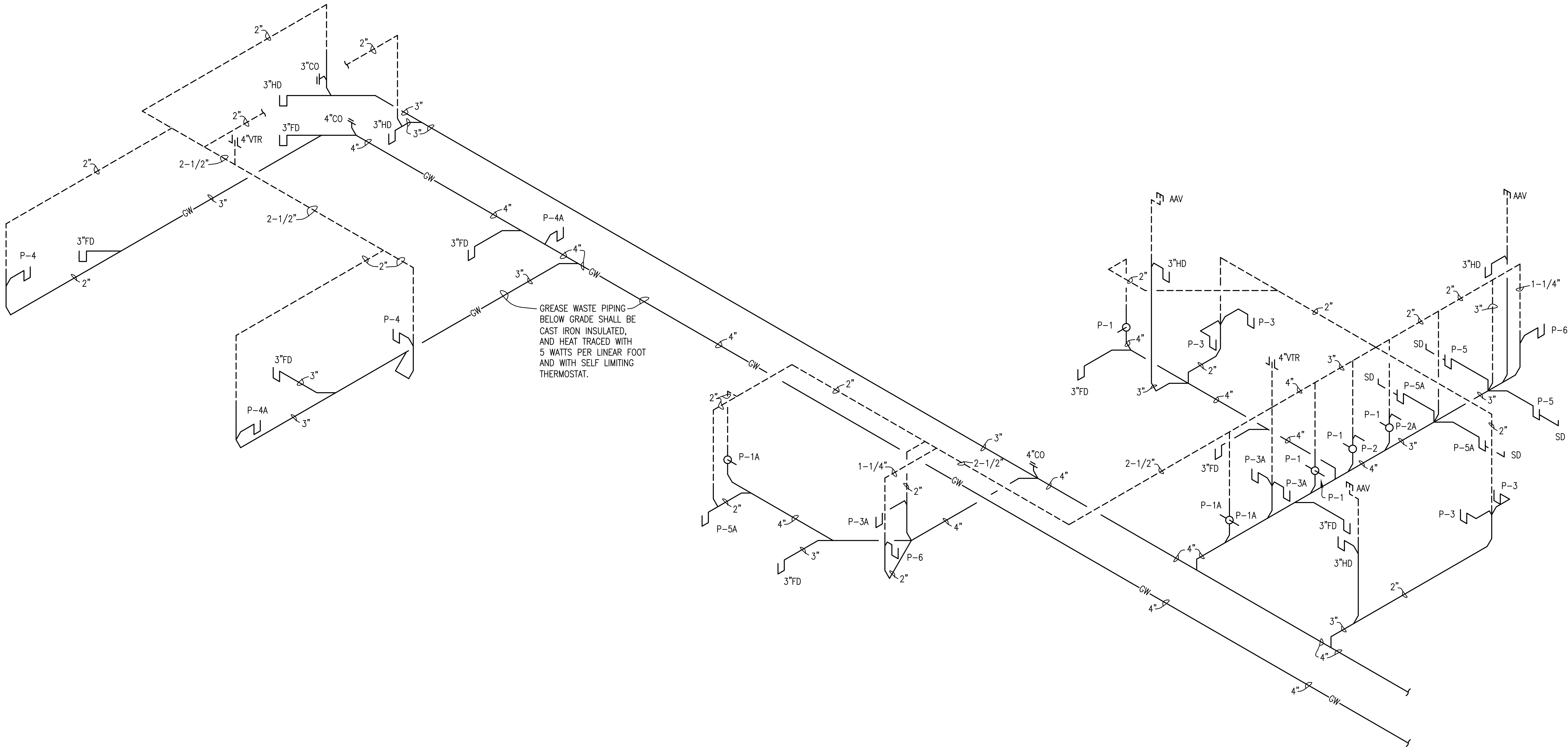


NOTES:

1. ALL GAS PIPING SHALL BE LABELED 2PSI NAT. GAS AT 10' ON CENTER.
2. REGULATORS FOR RANGE AND WATER HEATERS SHALL BE VENTED TO OUTDOORS.
3. SEE WATER HEATER DETAIL FOR PIPING CONNECTIONS.

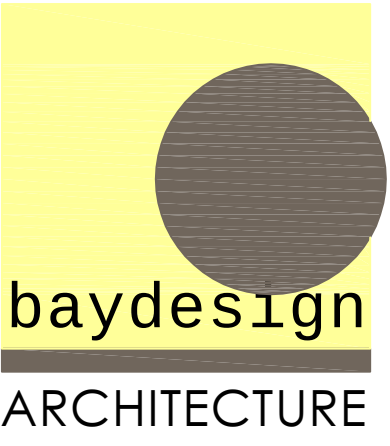
GAS RISER DIAGRAM

NOT TO SCALE



WASTE AND VENT RISER DIAGRAM

NOT TO SCALE



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florida certificate of
authorization AA0003597

PROJECT: **Gulf Breeze Community Center**
800 Shoreline Drive
Gulf Breeze, FL 32561
SHEET TITLE: **RISER DIAGRAMS**

PROJECT NO: 2413
FILE NO:
DATE: 06.01.2011
REVISION:

SHEET

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