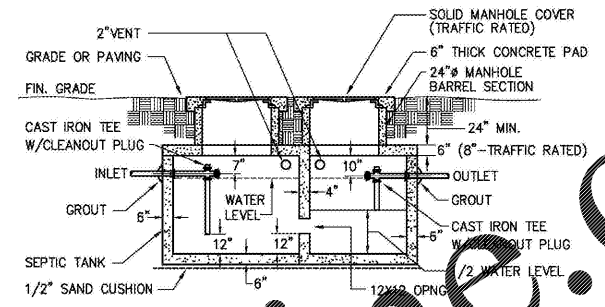


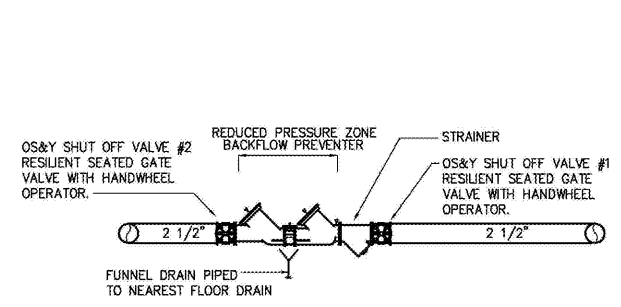
GAS WATER HEATER SCHEDULE														
Unit Tag	Capacity				Flue Size	Recirc Pump	Burner Data			Expansion Tank	Location	Model	Remarks	Detail
	Input (MBH)	Recovery (GPH)	Tank Volume (Gallons)	Temp. Rise (F)			HP	Vol	Phase					
GWH-1	150	178	100	100	NT.4	Yes	-	-	-	Yes	Mech. Rm.	A.O. Smith BTH-150	1,2,3,4	2/P101
GWH-2	150	178	100	100	NT.4	Yes	-	-	-	Yes	Mech. Rm.	A.O. Smith BTH-150	1,2,3,4	2/P101

- EQUALS BY STATE, RHEEM, A.O. SMITH, PVA, PRECISION
- RECIRCULATION PUMPS ARE BELL & GOSSET NBF-22, 92 WATTS, 115V/1-PH, ALL BRONZE; EQUALS BY AURUORA, GRUNDFOS
- EXPANSION TANKS ARE AMTROL OR EQUALS BY STATE, TACO; SEE PLANS FOR SIZE
- TYPE & SIZE OF FLUE PIPING PER MFG. RECOMMENDATIONS

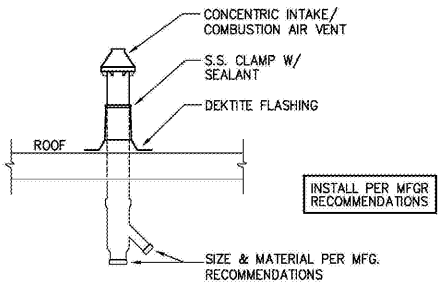


**1 GREASE INTERCEPTOR DETAIL**  
 P101 NTS (2000) GALLON TANK AS SHOWN BY STAY-RIGHT PRECAST CONCRETE (OR EQUAL)

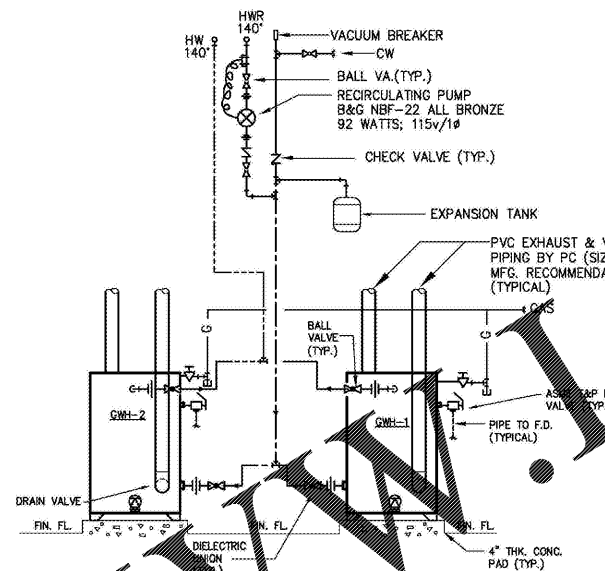
- GREASE INTERCEPTOR NOTES:
- A. INTERIOR BAFFLES SHALL DISTRIBUTE FLOWS. BAFFLES SHALL EXTEND SIX (6) INCHES ABOVE WATER LINE BUT SHALL NOT FLOOD THE INLET PIPE.
  - B. MINIMUM 2\"/>
  - C. LOW VELOCITY FLOW NEAR OUTLET.
  - D. BAFFLE WALL BE LOCATED A DISTANCE FROM INLET WALL OF 2/3 TO 3/4 OF THE TOTAL LENGTH OF THE INTERCEPTOR.
  - E. NINE (9) INCHES OF FREEBOARD AT GREASE INTERCEPTOR TOP.
  - F. EACH GREASE INTERCEPTOR SHALL HAVE INLET AND OUTLET TEES. THE OUTLET TEE SHALL EXTEND 50% INTO THE LIQUID DEPTH. THE INLET TEE SHALL EXTEND 25% INTO THE LIQUID DEPTH. INLET AND OUTLET TEE MUST BE PLUGGED AT THE TOP OF THE SANITARY TEE AND BE A MINIMUM OF THREE (3) INCHES IN DIAMETER.
  - G. ACCESS OPENINGS OVER THE INLET, OUTLET, AND EACH COMPARTMENT WITHIN THE GREASE INTERCEPTOR. EACH OPENING SHALL BE TWENTY-FOUR (24) INCHES IN DIAMETER AND CONTAIN PICK HOLES. ALL COVERS SHALL BE CONSTRUCTED OF CAST IRON OR EQUIVALENT TRAFFIC BEARING MATERIAL. MANHOLES/COVERS MUST EXTEND TO THE FINISHED GRADE AND SHALL BE INSTALLED TO EXCLUDE THE ENTRANCE OF SURFACE OR STORM WATER INTO THE INTERCEPTOR.
  - H. FULL SIZE CLEANOUTS SHALL BE INSTALLED ON THE INLET AND OUTLET SIDES OF THE INTERCEPTOR AND EXTENDED TO GRADE.
  - I. GREASE INTERCEPTORS MUST BE VENTED IN ACCORDANCE WITH THE NC STATE PLUMBING CODE WITH A MINIMUM 2\"/>
  - J. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 3,500 PSI.
  - K. JOINTS SHOULD BE PROPERLY SEALED TO PREVENT INFILTRATION OR EXFILTRATION.
  - L. GREASE INTERCEPTORS MUST MEET A MINIMUM STRUCTURAL DESIGN OF 150-POUNDS/SQUARE FOOT FOR NON TRAFFIC INSTALLATIONS. FOR VEHICULAR TRAFFIC CONDITIONS THE GREASE INTERCEPTOR SHALL BE DESIGNED TO WITHSTAND A H-20 WHEEL LOAD.
  - M. GREASE INTERCEPTORS SHALL MEET THE FOLLOWING STANDARDS: ASTM C-1227 FOR SEPTIC TANKS, C-913 FOR PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES, ACP-318 FOR DESIGN AND ASTM C-890 FOR ESTABLISHING MINIMUM STRUCTURAL DESIGN LOADING.
  - N. A NORTH CAROLINA DESIGN PROFESSIONAL WILL SPECIFICALLY DESIGN CAST IN PLACE OR MASONRY TANKS. TANKS MUST BE MANUFACTURED AS A GREASE INTERCEPTOR.



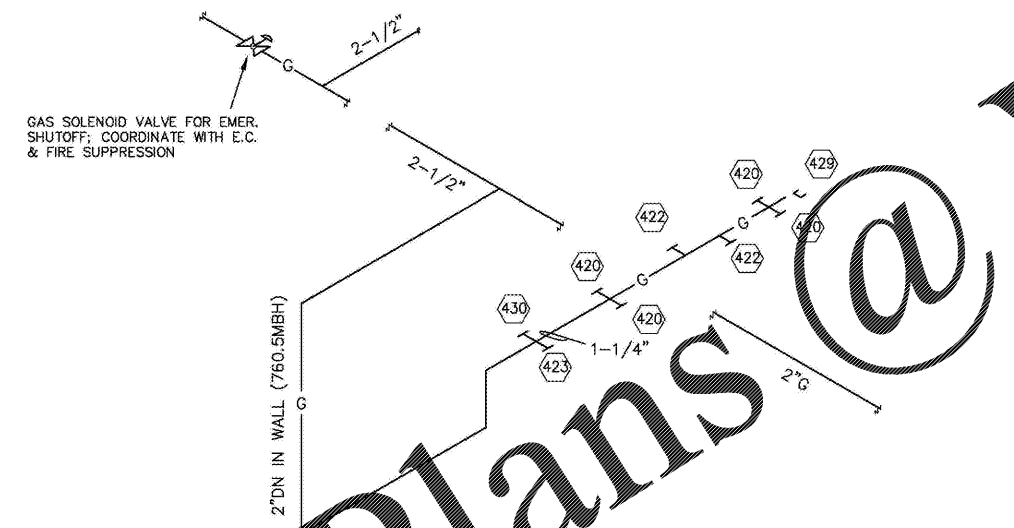
**4 RPZ DETAIL**  
 P101 NTS



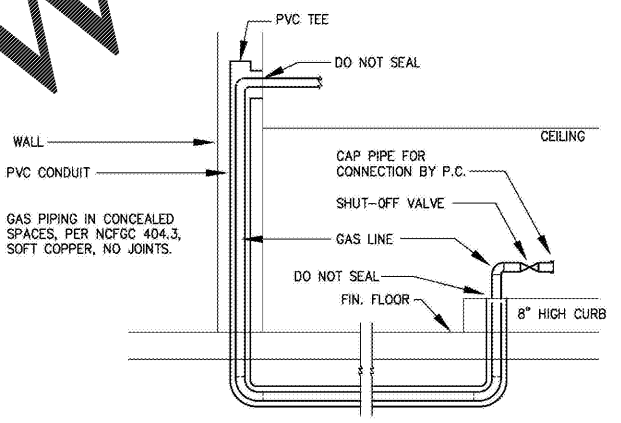
**3 CONCENTRIC VENT THRU ROOF DETAIL**  
 P101 NTS NOTE: VENT SHALL BE SIMILAR IN APPEARANCE TO DETAIL.



**2 WATER HEATERS DETAIL**  
 P101 NTS



**6 PARTIAL GAS PIPING SCHEMATIC**  
 P101 NTS (TYPICAL 2 LOCATIONS)



**5 GAS PIPING BELOW SLAB**  
 P101 NTS

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REVISIONS:

No.	Description	Date

PROJECT: 9202-169779  
 DATE: 12/18  
 DRAWN BY: CDT  
 CHECKED BY: JCC

PLUMBING  
 DETAILS

**P-101**