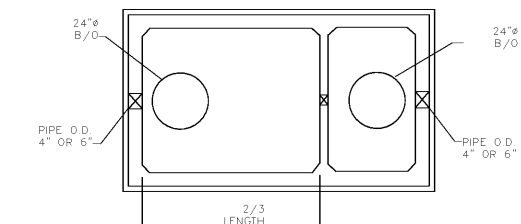
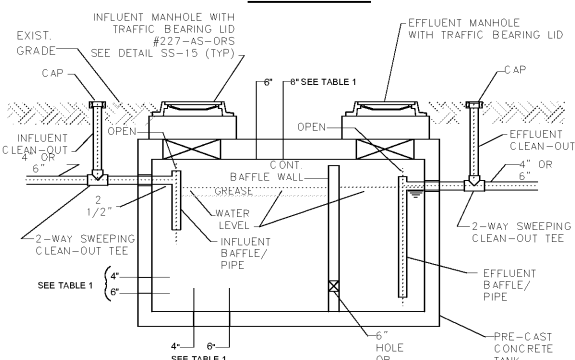


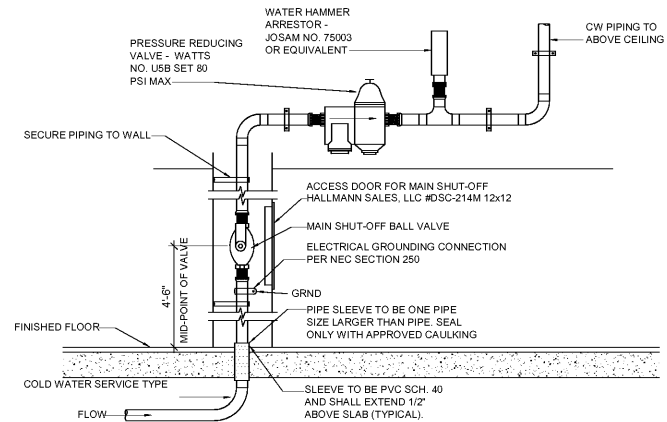
**12 WATER FILTER SCHEMATIC HOOK-UP**  
P4 N.T.S.



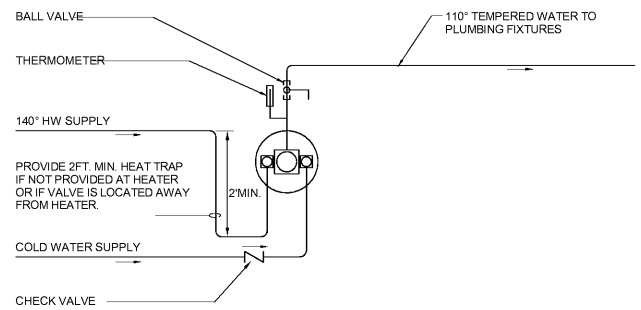
PLAN VIEW



- NOTES:**
- GREASE INTERCEPTOR TANKS SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE STRUCTURAL REQUIREMENTS OF FLORIDA ADMINISTRATIVE CODE CHAPTER 64E-6013.
  - THE CONTRACTOR OR ENGINEER OF RECORD SHALL PROVIDE THE CITY OF PALM COAST A COPY OF THE GREASE INTERCEPTOR(S) MANUFACTURER'S DETAILED SHOP DRAWING BEFORE APPROVAL FOR INSTALLATION.
  - GREASE INTERCEPTOR SIZING - THE EFFECTIVE CAPACITY OF EACH GREASE INTERCEPTOR IS DETERMINED ON A CASE BY CASE BASIS AND FORMULATED BY THE UTILITY DEPARTMENT. HOWEVER, THE MINIMUM GREASE INTERCEPTOR TANK VOLUME IS 750 GALLONS AND THE MAXIMUM IS 1,250 GALLONS. IF MORE THAN 1,250 GALLONS IS REQUIRED, THEN ADDITIONAL TANKS ARE INSTALLED IN SERIES FLOWING FROM ONE TO THE NEXT.
  - GREASE INTERCEPTOR TANKS SHALL BE INSPECTED UPON JOB SHE DELIVERY AND BEFORE INSTALLATION FOR STATE MANUFACTURING APPROVAL LEGEND OR DOCUMENTATION, DAMAGE AND TANK EFFECTIVE CAPACITY BY THE CITY OF PALM COAST.
  - GREASE INTERCEPTORS APPROVED FOR INSTALLATION BY THE CITY SHALL BE INSTALLED ACCORDING TO THE STANDARDS AND SPECIFICATIONS FOR WATER AND WASTEWATER CONSTRUCTION FOR THE CITY OF PALM COAST.
  - GREASE INTERCEPTOR(S) SHALL BE LOCATED AS TO PROVIDE EASY ACCESS FOR ROUTINE INSPECTIONS, CLEANING AND MAINTENANCE AS REQUIRED BY CITY ORDINANCE NO. 07-10 AND MEET THE FOLLOWING MINIMUM REQUIREMENTS:
    - GREASE INTERCEPTORS SHALL BE TWO COMPARTMENT (2/3 INLET; 1/3 OUTLET), CATEGORY FOUR (C4) TANKS AND CONSTRUCTED OF PRE-CAST CONCRETE OR APPROVED EQUIVALENT.
    - GREASE INTERCEPTORS SHALL HAVE A PROTECTIVE WATER-BASED COATING APPLIED TO THE INTERIOR AND EXTERIOR BY THE MANUFACTURER. THE EXTERIOR SHALL BE COATED TO A THICKNESS OF EIGHT (8) MILS; FOUR (4) MILS EACH COAT. THE INTERIOR SURFACES SHALL BE COATED TO A THICKNESS OF TWELVE (12) MILS; FOUR (4) MILS EACH COAT. THE COATING SHALL BE EQUIVALENT TO CONSEAL CS-55.
    - TANK WALLS SHALL BE A 4" THICK C4 PRE-CAST CONCRETE OR APPROVED EQUAL FOR ALL TANKS LOCATED IN GREEN (NON-TRAFFIC) AREAS. BOLLARDS OR SOME OTHER DEVICE SHALL BE PLACED AROUND THE TANK FOR PROTECTION. WALLS SHALL BE 6" THICK FOR ALL TANKS LOCATED IN TRAFFIC AREAS.
    - TANK BOTTOM SHALL BE A MINIMUM 4" THICK C4 PRE-CAST CONCRETE OR APPROVED EQUAL FOR ALL TANKS LOCATED IN GREEN AREAS. THE TANK BOTTOM SHALL BE 6" THICK FOR ALL TANKS LOCATED IN TRAFFIC AREAS.
    - TANK LIDS FOR TRAFFIC BEARING APPLICATIONS SHALL BE A MINIMUM 8" THICK WITH AN H-20 LOAD RATING. TANK LIDS FOR NON-TRAFFIC BEARING APPLICATIONS THAT ARE LOCATED IN GREEN AREAS SHALL BE A MINIMUM 6" THICK.
    - TANK BAFFLE WALLS SHALL BE A MINIMUM 4" THICK MONOLITHIC PRE-CAST CONCRETE CONSTRUCTION WITH A 6" FLOW THROUGH HOLE LOCATED ABOVE THE FLOOR OF THE BAFFLE WALL.
    - ACCESS MANHOLES SHALL BE A MINIMUM 24" DIAMETER AND LOCATED ON THE INLET AND OUTLET OF EACH INTERCEPTOR AND BROUGHT TO FINISHED GRADE IN PAVED AREAS AND 2" ABOVE FINISHED GRADE IN GREEN AREAS. THE MANHOLE COVERS SHALL BE LABELED (GREASE INTERCEPTOR OR GREASE TRAP) AS TO IDENTIFY THE DEVICE. TANK PLUMBING SHALL BE A MINIMUM FOUR-INCH (4") SCHEDULE 40 PVC. FITTINGS SHALL NOT HAVE LEDGES, SHOULDERS OR REINFORCING BARS CAPABLE OF RETARDING OR OBSTRUCTING FLOW IN THE PIPING. THE INLET PIPE INVERT SHALL ENTER THE TANK A MINIMUM OF 2-1/2" ABOVE THE TANK LIQUID LEVEL AND CONNECT TO A SANITARY TEE. A DROP PIPE SHALL BE CONNECTED TO THE INLET TEE AND EXTEND STRAIGHT DOWN, 14" BELOW LIQUID LEVEL. THE OUTLET PIPE SHALL CONNECT TO A SANITARY TEE WITH A DROP PIPE EXTENDING STRAIGHT DOWN FROM THE BOTTOM OF THE TEE TO 8" OFF THE TANK FLOOR.
    - TWO-WAY SWEEPING CLEAN-OUT TEES SHALL BE PROVIDED AT THE INLET (INFLUENT) AND OUTLET (EFFLUENT) ENDS OF EACH TANK AND BETWEEN TANKS IF IN SERIES. CLEANOUTS LOCATED IN TRAFFIC AREAS SHALL BE PROTECTED WITH THE INSTALLATION OF A CONCRETE BOX WITH METAL LID (ELEPHANTS FOOT).

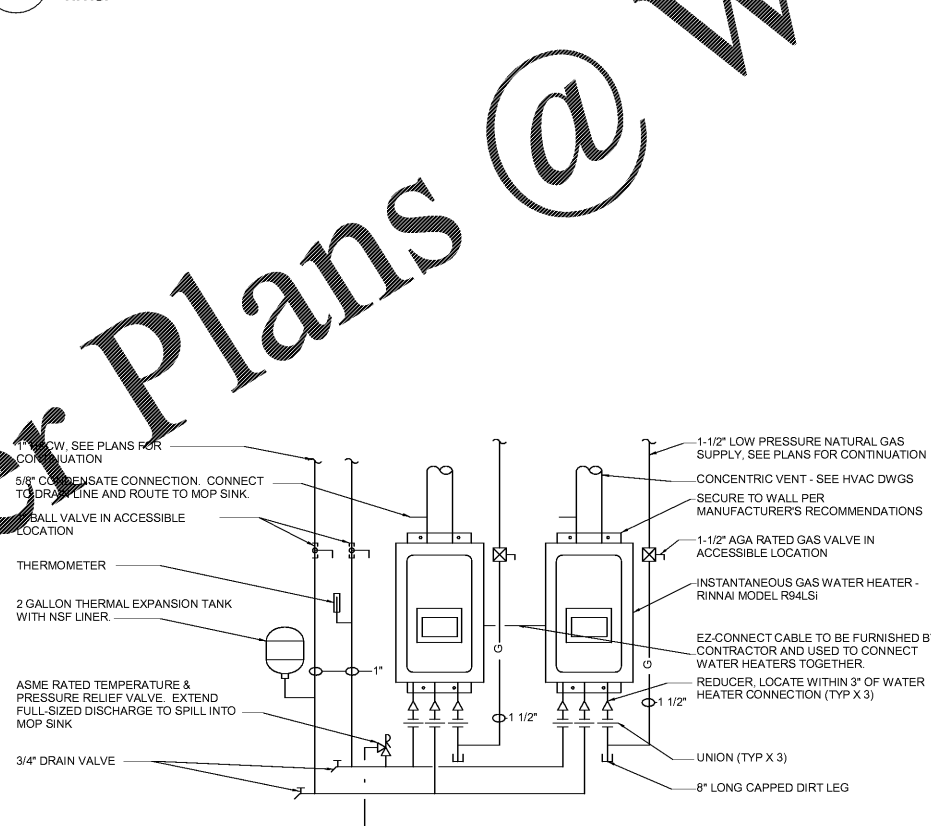


**10 COLD WATER SERVICE ENTRANCE**  
P4 N.T.S.

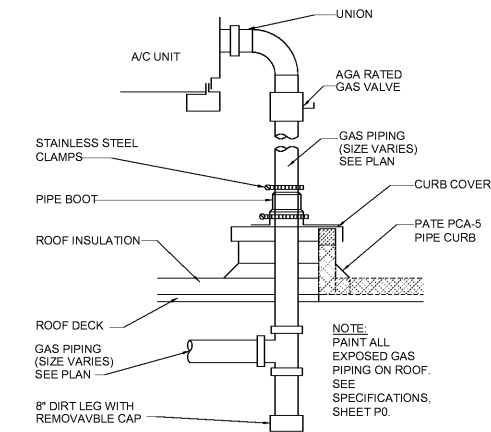


- DETAIL NOTES:**
- SURFACE MOUNTED THERMOSTATIC MIXING VALVE ASSEMBLY TO BE SYMMONS SERIES 5 OR APPROVED EQUAL. 15 PSI MAXIMUM PRESSURE DROP. COORDINATE FINAL SELECTION WITH FLOW AND PRESSURE TESTS TO ENSURE PROPER OPERATION.
  - SEE PLANS FOR HW SIZES FROM WATER HEATER SYSTEM TO MIXING VALVE ASSEMBLY. REDUCE AT ASSEMBLY AS REQUIRED.
  - INSTALL PER MANUFACTURER'S PUBLISHED RECOMMENDATIONS.

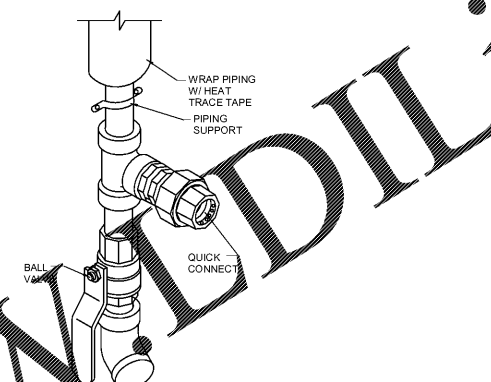
**11 THERMOSTATIC MIXING VALVE**  
P4 N.T.S.



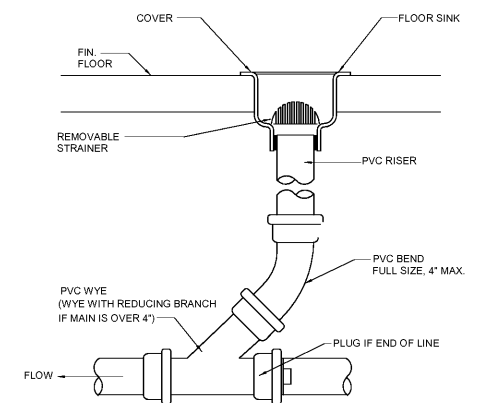
**9 DUAL INSTANTANIOUS GAS WATER HEATER**  
P4 N.T.S.



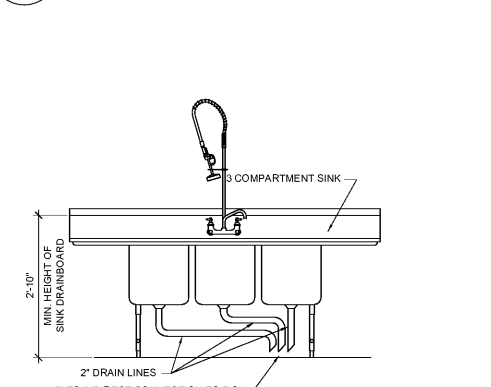
**8 GAS @ AC UNIT**  
P4 N.T.S.



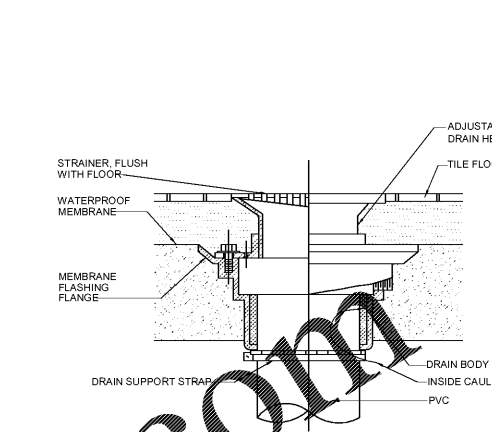
**7 GREASE RECOVERY CONNECTION**  
P4 N.T.S.



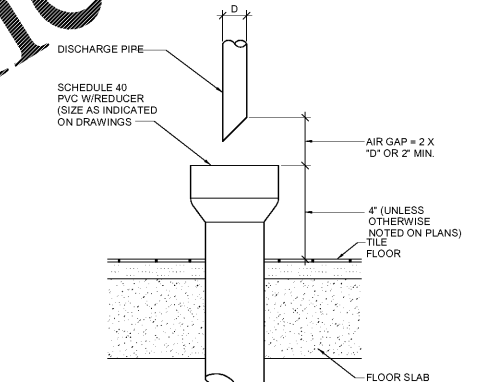
**6 FLOOR SINK**  
P4 N.T.S.



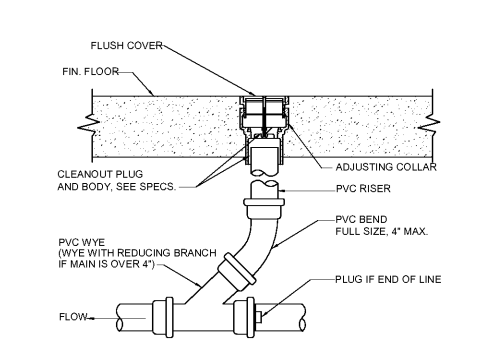
**5 3 COMPARTMENT SINK**  
P4 N.T.S.



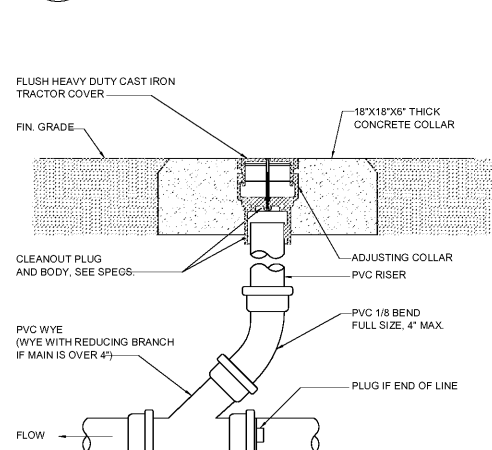
**4 FLOOR DRAIN**  
P4 N.T.S.



**3 HUB DRAIN**  
P4 N.T.S.

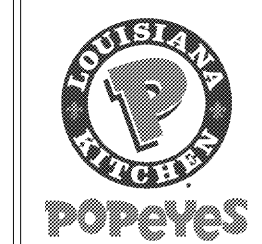


**2 FLOOR CLEAN-OUT**  
P4 N.T.S.



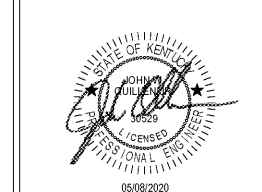
**1 GRADE CLEAN-OUT**  
P4 N.T.S.

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**JPL MANAGEMENT**  
ISSUE INFORMATION  
REVISIONS

Neico Architecture, Inc.



**PROJECT INFORMATION**  
**BOWLING GREEN, KY**  
DISHMAN LANE  
BOWLING GREEN, KY 42101  
PROJECT #:  
11352

**SHEET INFORMATION**  
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ED/ZFB  
REVIEWED BY:  
JUG/JWQ  
SCALE:  
N.T.S.  
AUTHORIZED FOR:  
PERMIT

**P4**