

**1 GREASE INTERCEPTOR**  
 SCALE: NO SCALE

**INTERCEPTOR NOTES**

1. SEAL ALL PIPE PENETRATIONS WATERTIGHT.
2. COAT INTERIOR OF BASIN WITH (2) COATS OF POLYURETHANE
3. REFER TO PLANS FOR PIPE SIZES, INVERT ELEVATIONS AND ROUTING.
4. SECONDARY COMPARTMENT HAS VOLUME EQUAL TO 1/3 OF TOTAL CAPACITY.
5. ALL PIPE AND FITTINGS SHALL BE CAST IRON.
6. WALLS AND BOTTOM SHALL BE REINFORCED THROUGHOUT WITH 2x6, 6/10 MESH.
7. COVER SHALL BE REINFORCED LONGITUDINALLY WITH NO.6 REBAR ON 6" CENTERS, NO.4 REBAR ON 6" CENTERS WIDTH WAYS, AND NO.8 REBAR DIAGONALLY AROUND ACCESS HOLES.
8. GREASE INTERCEPTOR SHALL MEET THE APPROVAL OF LOCAL AUTHORITY.
9. MAXIMUM 10'-0" BETWEEN MANHOLES.
10. ALL CONSTRUCTION SHALL CONFORM TO H-20 LIVE LOAD LOADING.
11. INTERCEPTOR WALLS AND BOTTOM SLAB SHALL BE DESIGNED FOR AN EQUIVALENT FLUID SOIL PRESSURE OF 40 Pcf/ft. INCLUDING TRUCK LOADING SURCHARGE NOTED IN NOTE 10 ABOVE.

**GREASE INTERCEPTOR SCHEDULE**

**G11, GREASE INTERCEPTOR**  
 GREASE INTERCEPTOR WITH 750 GALLON LIQUID HOLDING CAPACITY, 1,700 LBS. GREASY SLUDGE CAPACITY. INTERCEPTOR SHALL BE 1/4" ALL WELDED STEEL SEPARATOR. INTERCEPTOR SHALL BE PROVIDED WITH VISIBLE DOUBLE WALL OUTSIDE TRAP SEAL, SEPARATOR SCREEN, REMOVABLE FILTER SCREENS, REMOVABLE HEAVY DUTY STEEL PLATE COVER WITH 3/8" NON-SKID DIAMOND TREAD-PLATE COVER WITH HEAVY-DUTY LEAK PROOF GASKETS. PROVIDE EPOXY COATING ON ALL SURFACES. PROVIDE INTEGRAL EXTENSION TO GRADE. INTERCEPTOR SHALL BE EQUAL TO PARK EQUIPMENT MODEL GT-2000.

PROVIDE SAMPLE WELL BASIN (TEST WELL) WITH 15-INCH ACCESS PORT AND 4-INCH SAMPLE PIPE DOWNSTREAM OF GREASE INTERCEPTOR. SAMPLE WELL SHALL BE CLASSIFIED WITH GRADE 60 REINFORCEMENT WITH STEEL REBAR CONFORMING TO ASTM A615. MANHOLE FRAME AND COVER SHALL BE GRAY CAST IRON CONFORMING TO ASTM A48-76, CLASS 30. MANHOLE COVER SHALL BE NOMINAL 24 INCH DIAMETER AND BE HEAVY TRAFFIC DUTY WITH MANHOLE COVER LABELED "SAMPLE WELL". SAMPLE WELL BASIN SHALL BE EQUAL TO PARK EQUIPMENT, SWB-154.

**GREASE INTERCEPTOR SIZING**  
 SIZING CALCULATION BASED ON IPC SECTION 1003.3.5.1  
 PER TABLE 1003.3.5.1: @25 GPM, 50 LBS GREASE HOLDING (1,700 LBS PROVIDED)

Fixture Inlet Size	Quantity	Drainage Fixture Unit Flow (GPM)	Potential Flow (GPM)
1 1/4"	0	1	0
1 1/2"	0	2	0
2"	0	3	0
2 1/2"	0	4	0
3"	5	5	25
4"	0	6	0
<b>Total Potential Flow=</b>			<b>25</b>

**Formula Description:**  
**Total Potential Flow X 30**

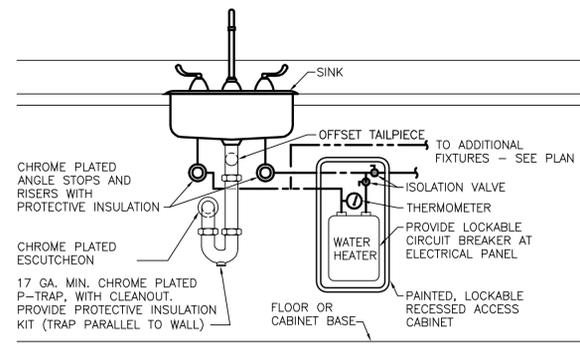
**Minimum Required Capacity (Gallons) = 750**

**ARCHITECTURE**  
 SCOTT MARTSOLF - ARCHITECT

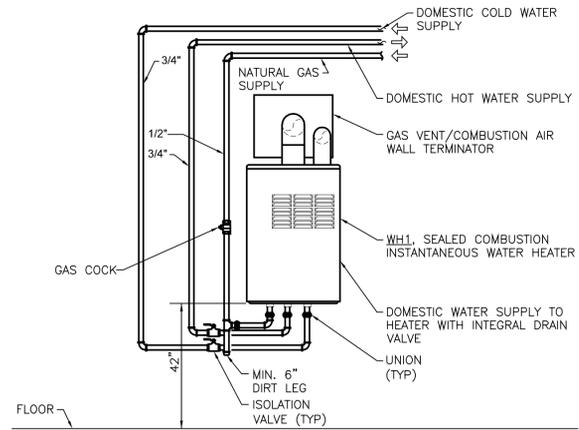
815 Daggett Avenue  
 Fort Worth, Texas 76104  
 Phone: (817) 820-0005

**ST. JUDE CATHOLIC CHURCH**  
**PARISH HALL REMODEL & CONNECTOR**

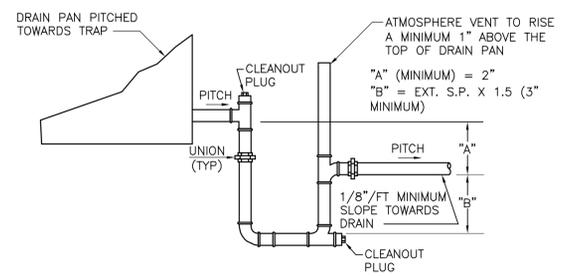
500 E DALLAS ST.  
 MANSFIELD, TX 76063



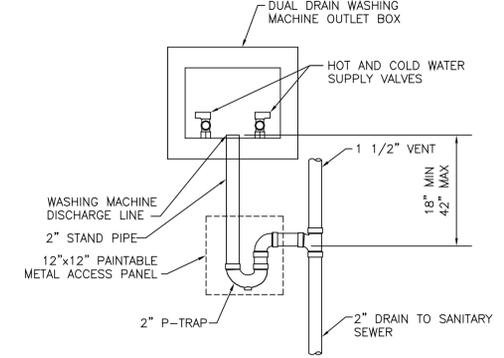
**5 INSTANTANEOUS WATER HEATER UNDER SINK**  
 SCALE: NO SCALE



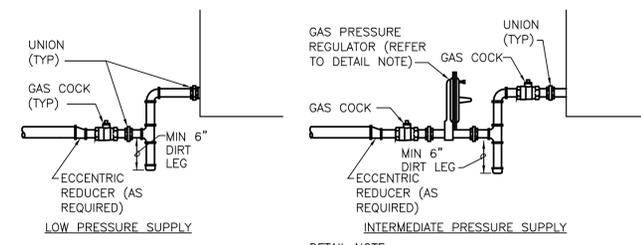
**4 INSTANTANEOUS GAS WATER HEATER PIPING**  
 SCALE: NO SCALE



**3 CONDENSATE DRAINAGE**  
 SCALE: NO SCALE



**2 WASHING MACHINE BOX**  
 SCALE: NO SCALE



**DETAIL NOTE:**  
 PROVIDE PRESSURE REGULATOR CAPABLE OF REDUCING LINE PRESSURE OF 2 PSIG TO GAS PRESSURE RECOMMENDED BY THE ROOFTOP MANUFACTURER

**6 NATURAL GAS CONNECTIONS TO EQUIPMENT**  
 SCALE: NO SCALE



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**PERMIT SET**

Drawing Title:  
 PLUMBING DETAILS

Project No. 2307 Date: 1/12/2024

Sheet No. **P4.1**