PLU	JMBING LEGEND
——SS——	EXISTING SANITARY SEWER
——— GW ———	EXISTING GREASE WASTE
CW	EXISTING DOMESTIC COLD WATER
——— HW ———	EXISTING DOMESTIC HOT WATER
	EXISTING DOMESTIC HOT WATER RETURN
cw	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
——ss——	SANITARY SEWER
——-GW——	GREASE WASTE
	SANITARY VENT
•	POINT OF CONNECTION BETWEEN NEW AND EXISTING
∯ <u>WHA</u> #1250−A	WATER HAMMER ARRESTOR "WHA#1250-A"

MATERIAL LIST

- ALL PLUMBING TO COMPLY WITH T.A.S., IEEC AND IPC. 1. WATER PIPING ABOVE SLAB SHALL BE TYPE L COPPER WITH WROT COPPER FITTINGS USING 95/5 SOLDER CONTAINING NO LEAD.
- 2. WATER PIPING BELOW SLAB SHALL BE TYPE K COPPER SOFT COPPER WITH NO JOINTS USING 95/5 SOLDER CONTAINING NO LEAD.
- 3. VENT AND SANITARY SEWER, AND GREASE WASTE PIPING SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD DRAINAGE PATTERN FITTINGS.
- 4. ALL WATER PIPING SUBJECT TO FREEZING SHALL BE INSULATED WITH 1" FIBERGLASS INSULATION.
- 5. GAS PIPING SHALL BE SCHEDULE 40 BLACK IRON PIPE WITH SCREWED MALLEABLE IRON FITTINGS.

GENERAL NOTES

- 1. THESE NOTES APPLY TO ALL PLUMBING DRAWINGS.
- 2. ESTABLISH LOCATION, SIZE, CAPACITY, AND DEPTH OF ALL PLUMBING UTILITIES, FINISHED FLOOR ELEVATIONS, SITE GRADIENTS, AND AVAILABLE SLOPE PRIOR TO COMMENCEMENT OF WORK. ADVISE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES IN CONTRACT DOCUMENTS THAT WILL IMPEDE THE PROPER INSTALLATION AND PERFORMANCE OF PLUMBING SYSTEMS.
- 3. RECORD INVERT ELEVATIONS OF ALL EXTERIOR PIPING ON RECORD DRAWINGS.
- 4. ALL BURIED PIPE SHALL BE LOCATED IN A TRENCH FILLED WITH SELECT FILL MATERIAL COMPACTED TO 95%
- 5. SLEEVE ALL PIPING PENETRATIONS OF FLOORS, WALLS, AND BEAMS IN ACCORDANCE WITH DETAILS AND SPECIFICATIONS.
- 6. FIELD ADJUSTMENT OF PLUMBING EQUIPMENT, FIXTURE AND PIPING MAY BE NECESSARY TO FIT FIELD CONDITIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES. SUCH WORK SHALL BE COMPLETED AT NO COST TO THE OWNER, OWNER'S REPRESENTATIVE, OR DESIGN PROFESSIONALS.
- 7. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE ALL DRAIN LOCATIONS FOR OWNER FURNISHED EQUIPMENT PRIOR TO THE PLUMBING ROUGH-IN INSTALLATION. DRAINS SHALL BE LOCATED IN SUCH A MANNER THAT NO STRUCTURAL MEMBERS HAVE TO BE ALTERED IN ORDER TO RUN DRAIN PIPING TO THE DRAIN.

KEY NOTES

- (1) REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- (2) COOLER COIL(S) BY OTHER. ROUTE CONDENSATE PIPING TO FLOOR SINK SERVING ICE MAKER.
- 3 DROP TO 6" A.F.F. AND STUB-OUT TO 3"FLOOR SINK. PROVIDE 1-1/2" SLEEVE FOR PENETRATION AND SEAL OPENING WATER/AIR TIGHT.
- 4 ROUTE 2" VENT PIPING TIGHT TO WALL ABOVE OVERHEAD
- 5 PROVIDE TRAP-EZE TRAP PRIMER AT LAVATORY TO SERVE 3" FLOOR DRAIN.
- (6) 1" CW UP IN WALL TO ABOVE CEILING.
- 7 DROP 1-1/2" GAS UP ALONG SIDE OF HOOD. PROVIDE 1-1/2" GAS MANIFOLD AND INSTALL AUTOMATIC SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION. INSTALL GAS BALL VALVE UP STREAM OF AUTOMATIC SHUT-OFF

VALVE AND PROVIDE DIRT LEG AT BASE OF DROP.

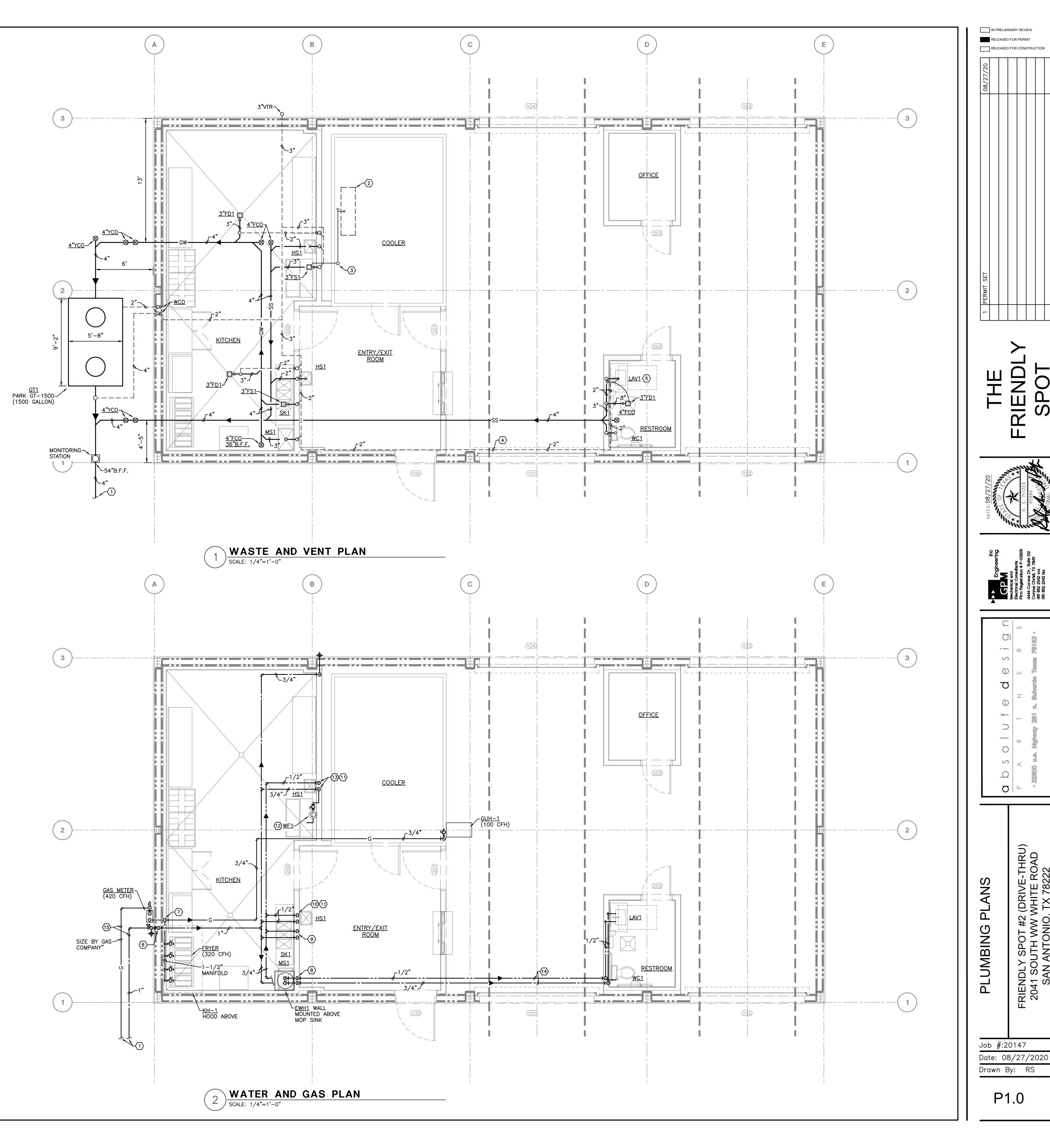
- (8) 3/4" CW/HW DOWN TO WATER HEATER AND MOP SINK. 9 3/4" CW/HW DOWN TO 3-COMP SINK.
- (10) 1/2" CW/HW DOWN TO HAND SINK.
- 11) PROVIDE WALL MOUNTED MIXING VALVE (MV1) BELOW HAND SINK.
- (12) WATER FILET MOUNTED ON WALL IN ACCESSIBLE LOCATION. COORDINATE EXACT MOUNTING LOCATION WITH EQUIPMENT PROVIDED.
- (13) 3/4" CW AND 1/2" HW DOWN IN WALL. TAP 1/2" HW/CW TO HAND SINK AND 3/4" CW TO ICE MAKER.
- 14 ROUTE 1/2" HW/CW TIGHT TO WALL ABOVE OVERHEAD

PLUMBING LOAD SUMMARY					
DOMESTIC COLD WATER DOMESTIC HOT WATER	13.75 8.75	. •	16.5 13.7	•	
SANITARY SEWER (BLDG. TOTAL)	10	FU			
PLUMBING FIXTURE UNITS NOTED A PER THE 2018 INTERNATIONAL PLU VARY FROM SOME EQUIPMENT MAN RECOMMENDED METHODS. AS AN E METER MANUFACTUERS MAY USE D	JMBING NUFACT EXAMPL	CODE URER'S E, SO	E AND S ME WA	MAY TER	

VALUES FOR THEIR METER SIZING CALCULATIONS.

	PLUMBING FIXTUR			
MARK	DESCRIPTION PRESSURE ASSISTED FLOOR MOUNTED	MANUFACTURER/MODEL AMERICAN STANDARD		
WC1	WHITE V.C., 1.1 GPF LOW CONSUMPTION WATER CLOSET WITH SIPHON ACTION, ELONGATED RIM, HEAVY DUTY WHITE PLASTIC OPEN FRONT SEAT LESS COVER. MOUNT AT TAS/ADA SERVICE HEIGHT.	MODEL #2467.136.020 "CADET" CHURCH #9500C SEAT		
L1	WALL MOUNTED, WHITE VITREOUS CHINA, LAVATORY WITH BACK SPLASH SHIELD, OVERFLOW, GOOSENECK FAUCET WITH LEVER HANDLES, CONCEALED ARM CARRIER, OFFSET DRAIN, TAIL PIECE, P-TRAP, SUPPLY STOPS, WATER HAMMER ARRESTOR ON HOT AND COLD WATER AND INSULATION KIT. COLOR PER ARCHITECT. ADULT ADA/TAS COMPLIANT INSTALLATION.	FAUCET #7500.170 ZURN Z-1231 CARRIER MCGUIRE 155WC DRAIN		
MS1	24" x 24" x 10" MOP SERVICE BASIN: MOLDED STONE, HOSE AND HOSE BRACKET, SERVICE FAUCET WITH VACUUM BREAKER AND WALL SUPPORT AND MOP HANGER.	FIAT MSB-2424 FIAT 830-AA FAUCET FIAT 1239-BB BUMPER FIAT 889-CC MOP HANGER FIAT 832-AA HOSE AND BRACKET		
FS1	FAT MAX LARGE CAPACITY FLOOR SINK SHALL BE USED WHERE NECESSARY IN IN DRAINAGE SYSTEMS. DRAIN BODY SHALL BE IMPACT—MODIFIED PVC OR ABS WITH SCH.40 HUB CONNECTION WHICH CONFORMS TO ASTM D2665 OR D2661. STRAINERS SHALL BE HEEL—PROOF AND MEET ALL APPLICABLE LOAD REQUIREMENTS. DRAIN SHALL BE DESIGNED WITH A SLAB—GRAB CONCRETE FLANGE FOR SOLID INSTALLATION.	SIOUX CHIEF 860 SERIES, MODEL 860-4P2-860U, WITH PRO-SET TRAP GUARD		
YCO	ADJUSTABLE CLEANOUT WITH NICKEL BRONZE COVER. DURA—COATED CAST IRON BODY, WITH CLAMP COLLAR. GAS AND WATERTIGHT. ABS TAPERED THREAD PLUG, AND ROUND SCORIATED ADJUSTABLE TOP. TRAFFIC	ZURN Z-1400-C		
wco	GRADE. WALL CLEANOUT WITH STAINLESS COVER AND SECURITY SCREW. DURA—COATED CAST IRON BODY, GAS AND WATER TIGHT, TAPPED THREAD PLUG.	ZURN Z-1446		
EWH1	19.9 GALLON CAPACITY, 208V, 1PH., SINGLE 4500W ELEMENTS, 20 GALLON RECOVERY AT 100°F TEMPERATURE RISE, 3/4" NPT RELIEF, 3/4" HW AND CW CONNECTIONS. PROVIDED WITH LIMITED SIX YEAR WARRANTY. SET WATER TEMPERATURE AT 125°F. PROVIDE WITH FACTORY INSTALLED HEAT TRAPS AND NON—CORROSIVE AUX. DRAIN PAN.	RHEEM #PROE20-1-RH-POU WATER HEATER		
EXT1	2.1 GALLON; STAINLESS STEEL 3/4" MALE CONNECTION; FDA APPROVED WITH BUTYL DIAPHRAGM SEPARATING AIR CHAMBER FROM WATER CONTAINING CHAMBER.	WATTS MODEL PTL-5-M1 EXPANS TANK		
HS1	STAINLESS STEEL HAND SINK PROVIDED BY OWNER AND COMPLETE INSTALLATION BY PLUMBING CONTRACTOR. MINI-PRE-RINSE UNIT: 8" DECK MOUNT, 12" SWIVEL NOZZLE, CERAMAS, B-0107-C, CLUB HANDLES; SUPPLY: CHICAGO, CP, 1/2" IPS LOOSE KEY ANGLE STOP (2) WITH 1/2" OD FLEXIBLE RISER TUBE. WASTE: FRANKLIN MACHINE NO. 1130 WASTE LEVER HANDLE WITH STRAINER, 2" PVC CONTINUOUS WASTE.	LOW-PROFILE PRE-RINSE AND FAUCET		
SK1	STAINLESS STEEL 3-COMP SINK PROVIDED BY OWNER AND COMPLETE INSTALLATION BY PLUMBING CONTRACTOR: 12" SWING FAUCET WITH PRE-RINSE AND ADJUSTABLE WALL BRACKET. SUPPLY: CHICAGO, CP, 1/2" IPS LOOSE KEY ANGLE STOP (2) WITH 1/2" OD FLEXIBLE RISER TUBE. WASTE: FRANKLIN MACHINE NO. 1130 WASTE LEVER HANDLE WITH STRAINER, 2" PVC CONTINUOUS WASTE.	3-COMP SINK (BY OWNER) T&S BRASS: B-0123-ADF12-B PRE-RINSE AND FAUCET		
WF1	AMETEK #10-3/4 VIH FILTER HOUSING WITH CBC-10 ACTIVATED CARBON FILTER AND .5 MICRON FILTRATION PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR IN ACCESSIBLE LOCATION. PROVIDE SHUT-OFF VALVE PRIOR TO FILTER.	AMETEK #10-3/4 VIH W/CBC-10 ACTIVATED CARBON FILTER		
MV1	THERMOSTATIC TEMPERING VALVE FOR EXPOSED PIPING. ADJUSTABLE TEMPERATURE SECTION WITH LOCKDOWN, COLD TO HOT. TEMPERATURE RANGE FROM 85°-135°. ROUGH BRONZE CONSTRUCTION AND FINISH. 1/2" IPS CHECKSTOPS. INSTALL IN ACCESSIBLE LOCATION. PLUMBING CONTRACTOR IS TO VERIFY WATER TEMPERATURE ON JOB TO INSURE 110° AT THE FAUCET.	LAWLER 310-SC1 UNIT NO. 72040 THERMOSTATIC TEMPERING		
GT1	PRE-CAST CONCRETE, 4" WALLS AND FLOOR. 6" TOP SLAB, 4500 PSI CONCRETE, 6" PVC FITTINGS, #4 GRADE 60 BARS 10" O.C.E.W. IN TANK SECTION TOP SLAB ENGINEERED TO EXCEED H-20 LOADING. CAPACITY AS INDICATED ON DRAWINGS.	PARK ENVIRONMENTAL PRODUCTS, MOD. GT-1500 GAL.		

Grease Trap Siz	е			
ixture Type	Trap size	Fixture Units	Qty	D.F.U. Total
3 Comp Sink	2"	3	0	0
2 Comp Sink	2"	3	0	0
Hand Sink	1.5"	2	0	0
Mop/Service Sink	3"	2	1	2
2" Floor Drain	2"	3	0	0
3" Floor Drain	3"	5	2	10
1" Floor Drain	4"	6	0	0
2" Floor Sink	2"	3	0	0
3" Floor Sink	3"	5	1	5
1" Floor Sink	4"	6	0	0
		Ţ	otal D.F.U.	17
	Grease T	rap Size (FU x	1530	
7.48 converts D.F.U. to	GPM.			
30 minute retension tin	ne required by	2018 IPC		



IN PRELIMINARY REVIEW RELEASED FOR PERMIT

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