

PLUMBING SYMBOLS LIST			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---CW---	COLD WATER LINE	AFF	ABOVE FINISHED FLOOR
---A---	COMPRESSED AIR LINE	AHJ	AUTHORITY HAVING JURISDICTION
---G---	GAS LINE	CONT	CONTRACTOR
---HW---	HOT WATER LINE	EWC	ELECTRIC WATER COOLER
---HWR---	HOT WATER RECIRCULATION LINE	FDC	FIRE DEPARTMENT CONNECTION
---CON---	MECHANICAL EQUIPMENT CONDENSATE LINE	GCO	GROUND CLEAN OUT
---O---	OIL LINE	L	LAVATORY
---P---	PLUMBING VENT LINE	MS	MOP SINK
---OW---	UNDERGROUND OIL WASTE LINE	NTS	NOT TO SCALE
---SAN---	UNDERGROUND SANITARY DRAIN LINE	TP	TRAP PRIMER
FCO	FLOOR CLEAN OUT	UNO	UNLESS NOTED OTHERWISE
FD	FLOOR DRAIN	UR	URINAL
HB	HOSE BIBB	VIF	VERIFY IN FIELD
WCO	WALL CLEAN OUT	VTR	VENT THROUGH ROOF
---F---	SHUT-OFF VALVE	WC	WATER CLOSET
---H---	HAMMER ARRESTOR		

CIVIL ENGINEERING DESIGN COORDINATION NOTICE

NOTICE TO ALL PARTIES HAVING AN INTEREST IN THIS CONSTRUCTION PROJECT

- CIVIL ENGINEERING FOR THIS PROJECT IS BEING PERFORMED BY OTHERS
- CONTRACTORS RELYING ON DOCUMENTS NOT COORDINATED WITH THE CIVIL ENGINEERING WORK SHALL DO SO AT THEIR OWN RISK.
- COORDINATION WITH THE CIVIL ENGINEERING DOCUMENTS HAS BEEN COMPLETED ONLY AS SHOWN BELOW.

CIVIL ENGINEERING CONSULTANT IS: **KIMLEY HORN**
214 OCEANSIDE DR. NASHVILLE, TN 37204

CIVIL SHT. DWG. NO.	CIVIL SHEET DWG. TITLE	REV. NO.	REV. DATE	REV. NO.	REV. DATE	REV. NO.	REV. DATE
CG	UTILITY PLAN						

COORDINATION CHECKED BY: **RMC** DATE: **30/30/22**

- ### KEYED PLAN NOTES - THIS SHEET
- CONNECT 2" VENT TO 3" VENT LINE UP THRU ROOF.
 - SEE ENLARGED PLANS SHEET P2 FOR CONTINUATION.
 - SANITARY LINE, EXTEND 5'-0" OUT FROM BUILDING. SEE CIVIL PLANS FOR CONTINUATION.
 - DOMESTIC WATER SERVICE TO MAIN, EXTEND 8'-0" OUT FROM BUILDING. SEE CIVIL PLANS FOR CONTINUATION.
 - VERIFY LOCAL REQUIREMENTS FOR CONDENSATE DISPOSAL. ROUTE FULL SIZE OF RTU CONNECTION TO NEAREST ROOF DOWNSPOUT WITH 1/8" PER FOOT SLOPE AND TERMINATE WITH AIR GAP PER CODE. IF CITY REQUIRES CONDENSATE DISPOSAL TO SANITARY, ROUTE FULL SIZE CONDENSATE LINE TO MOP SINK. ROUTE PIPE AT AN 1/8" PER FOOT SLOPE HORIZONTALLY AND TIGHT TO WALL VERTICALLY. PROVIDE CODE REQUIRED AIR GAP.
 - GAS PIPE DROP TO GAS FIRED EQUIPMENT. PROVIDE GAS LOCK, DIRT LEG, FLEXIBLE CONNECTOR (WHERE APPROVED), ALL GAS PIPING AND ACCESSORIES SHALL NOT EXTEND BELOW THE BOTTOM OF THE UNIT.
 - GAS METER BY UTILITY. CONTRACTOR SHALL VERIFY THAT NEW GAS SERVICE IS REGULATED FOR 7 IN. W.C. AND THAT THE METER HAS A MINIMUM CAPACITY SPECIFIED ON SHEET P6. VERIFY DISCREPANCIES. THIS INFORMATION SHOULD BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND/OR PROJECT ENGINEER.
 - ROUTE GAS PIPE TIGHT TO WALL AND AS REQUIRED TO GAS METER. COORDINATE LOCATION OF PIPE IN AND OR INSTALLATION OF GAS PIPE. GAS PIPING IS SIZED ON 7 IN. W.C. PRESSURE AND A 0.5 W.C. PRESSURE DROP PER THE INTERNATIONAL FUEL GAS CODE, TABLE 402.02.
CONTRACTOR SHALL PROVIDE GAS PRESSURE REGULATOR ON CUSTOMER SIDE OF METER TO SUPPLY BUILDING EQUIPMENT WITH 7" W.C. PRESSURE. REFER TO REGULATOR MANUFACTURER'S SCHEDULE ON SHEET P6 FOR SIZING REQUIREMENTS. REFER TO REGULATOR MANUFACTURER'S INSTALLATION INSTRUCTION.
 - FIRE RISER INLET. REFER TO SPECIFICATIONS, FIRE PROTECTION AND CIVIL DRAWINGS FOR MORE INFORMATION.
 - FIRE RISER FLOOR AREA. REFER TO SPECIFICATIONS AND FIRE PROTECTION DRAWINGS FOR MORE INFORMATION.
 - CONNECT 4" STORM PIPE TO DOWNSPOUT (DS) AND EXTEND TO UNDERGROUND STORM PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR DOWNSPOUT SIZE. REFER TO DETAIL ON P5 FOR DOWNSPOUT SHOE.
 - 2" UNDERGROUND VENTS UP ON INTERIOR FACE OF WALL, EXTEND UP 6" ABOVE FIXTURE RIM LEVEL. PROVIDE WCO ON EACH VENT LINE ONCE VENT LINES ARE ABOVE GROUND. COMBINE VENTS INTO (1) 3" VENT AND ROUTE UP ON WALL TO ROOF. PROVIDE 3" VENT THROUGH ROOF.
 - PROVIDE STRIEM MODEL OS-100 OILSAND SEPARATOR. MINIMUM BASIN SIZE: 250 GALLON STATIC LIQUID HOLDING CAPACITY. BASINS SHALL BE CONSTRUCTED OF POLYETHYLENE WITH BOLTED AND GASKETED TRAFFIC RATED CAST IRON COVERS. ALTERNATIVE BID: PRE-CAST CONCRETE TWO COMPARTMENT 350 GALLON STATIC HOLDING CAPACITY WITH BOLTED AND GASKETED TRAFFIC RATED CAST IRON COVERS. EXTEND 2" VENT LINE FROM EACH COMPARTMENT OR PER MANUFACTURER'S INSTRUCTIONS. INSURE THAT ALL UNDERGROUND PIPING AND OIL INTERCEPTOR PRESERVES THE ADJACENT BUILDING'S FOOTING. MAINTAIN A 6" MINIMUM DISTANCE FROM ADJACENT BUILDING'S FOOTING TO PRESERVE STRUCTURAL INTEGRITY. OIL INTERCEPTOR AND OIL INTERCEPTOR INSTALLATION SHALL COMPLY WITH INTERNATIONAL PLUMBING CODE AND ALL LOCAL AMENDMENTS.
 - ROUTE 1" GAS PIPE UP THROUGH BOTTOM CONNECTION POINT ON RTU. PROVIDE EXTERIOR GAS SHUT-OFF, DIRT LEG AND UNION FITTING PRIOR TO CONNECTION TO UNIT. COORDINATE WITH RESPECTED TRADES AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE TRAP SEAL PROTECTION FOR FD-2 IN ALIGNMENT PIT. OBTAIN WRITTEN APPROVAL FROM AHJ FOR USE OF SURE SEAL #SS3000 INLINE FLOOR DRAIN TRAP SEALER. IF SURE SEAL TRAP GUARD NOT ALLOWED PROVIDE TRAP PRIMER.

SLOPE OF HORIZONTAL DRAINAGE PIPE

SIZE	MINIMUM SLOPE
2-1/2" OR LESS	1/4" / R OR 2%
3" TO 8"	1/8" / R OR 1%

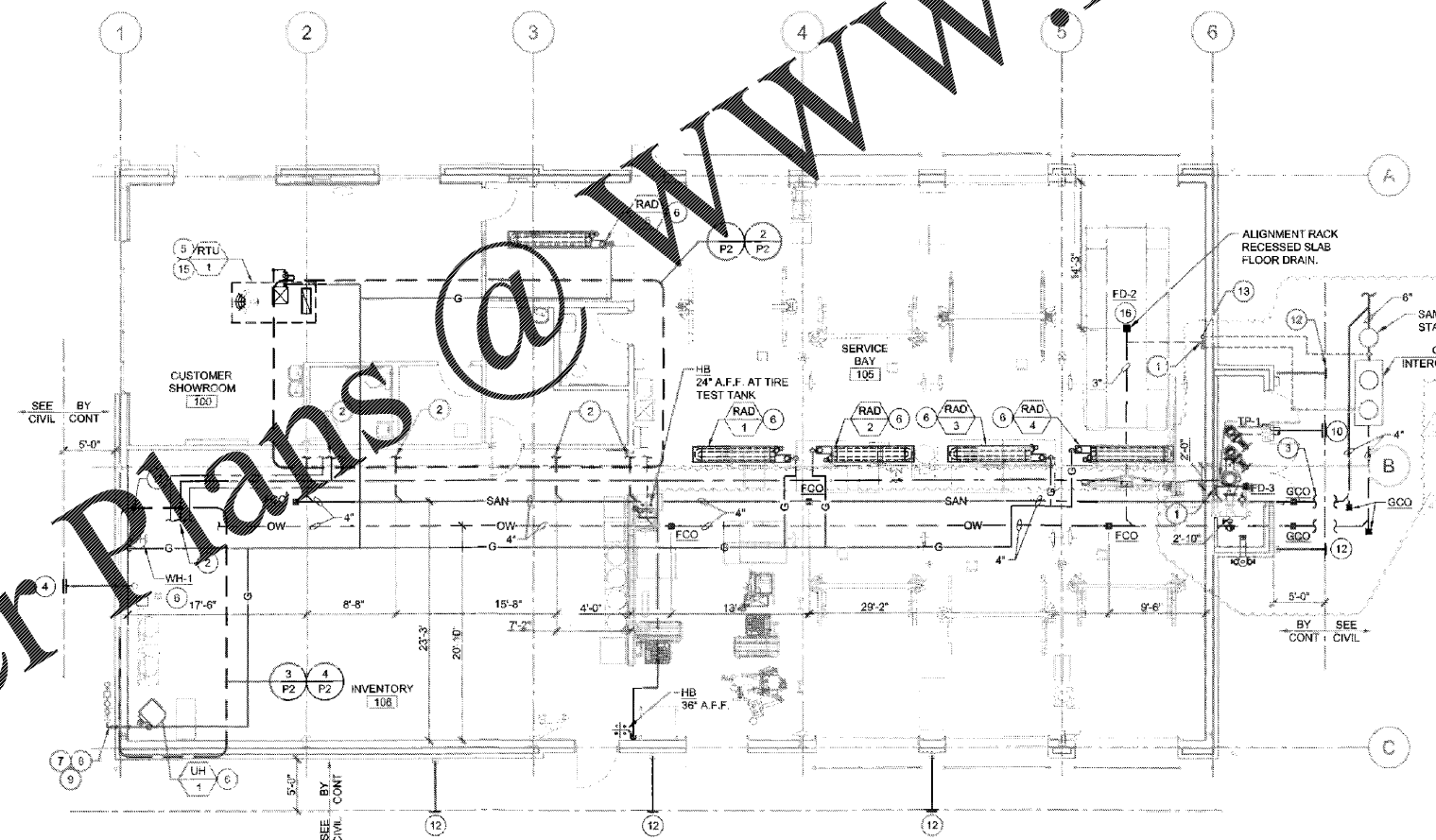
NOTE: SCHEDULE BASED ON INTERNATIONAL PLUMBING CODE, SECTION 704 - TABLE 704.1.

PLUMBING INVERTS:
STARTING POINT: 0' - FINISHED FLOOR
ENDING POINT: 5'-0" OUTSIDE BUILDING
SANITARY: 4"
OIL WASTE: 48"

NOTE: CONTRACTOR SHALL REFER TO SHEET A3 - ROOF PLAN FOR ACCEPTABLE APPROXIMATE LOCATIONS OF ROOF PENETRATIONS.

NOTE: ROUTE ALL WATER AND GAS PIPING TIGHT TO CEILING AND WALLS WHERE POSSIBLE. NO PIPING SHALL BE ROUTED IN UNCONDITIONED SPACES. ALL EXPOSED PIPING SHALL BE INSULATED AND LABELED.

NOTE: SANITARY AND DOMESTIC WATER PIPE ROUTING ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT ROUTING WITH FIELD CONDITIONS. REFER TO PIPING DIAGRAMS ON SHEET P6.



1 PLUMBING PLAN
SCALE: 1/8" = 1'-0"

- ### PLUMBING GENERAL NOTES
- SANITARY AND DOMESTIC WATER PIPE ROUTING ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT ROUTING OF PIPING WITH FIELD CONDITIONS.
 - PROVIDE SHUTOFF VALVES IN EACH BRANCH USING BALL VALVES FOR WATER SUPPLY.
 - ROUTE ALL PIPING TIGHT TO CEILING AND WALLS WHERE POSSIBLE. ALL PIPING SHALL BE ABOVE GROUND ONCE ENTERING BUILDING. NO PIPING SHALL BE ROUTED IN UNCONDITIONED SPACES. ALL PIPING SHALL BE INSULATED.
 - MAKE FINAL CONNECTIONS TO ALL EQUIPMENT FURNISHED BY OTHERS PER MANUFACTURER INSTALLATION INSTRUCTIONS.
 - ALL EQUIPMENT, MATERIAL AND LABOR NECESSARY FOR COMPLETION OF PLUMBING SYSTEMS SHOWN ON DRAWINGS OR REFERRED TO IN SPECIFICATIONS TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE.
 - WHERE DRAWINGS OR SPECIFICATIONS EXCEED GOVERNING CODE REQUIREMENTS, DESIGN SHALL GOVERN. INSTALL NO WORK CONTRARY TO OR BELOW MINIMUM LEGAL STANDARDS, WHETHER DRAWINGS AND SPECIFICATION FULLY COMPLY OR NOT.
 - VERIFY FINAL LOCATIONS OF WATER SUPPLIES WITH FIXTURE PLAN AND CIVIL DRAWINGS.
 - VERIFY THAT ALL PLUMBING PIPING DOES NOT AFFECT ALIGNMENT RACK PADS. VERIFY LOCATION OF ALL PLUMBING PIPING WITH ALIGNMENT RACK AND ALIGNMENT RACK INSTALLATION WITH ALL DISCIPLINES PRIOR TO INSTALLATION.
 - REFERENCE FIXTURE PLAN SHEET F1 FOR EQUIPMENT QUANTITIES AND LOCATIONS.

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Firestone COMPLETE AUTO CARE

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NEW FCAC STORE
2020 I
288 DAWSONVILLE HIGHWAY SW
GAINESVILLE, GA 30501

REGISTERED PROFESSIONAL ENGINEER
No. PE011969
EXPIRES 12/31/2024
GUY

ISSUE BLOCK	
1	07/20/20 REV #1
2	10/02/20 REV #2
3	10/16/20 REV #4
4	11/13/20 IFC

PROPERTY NO.:	160109
6 DIGIT NO.:	908074
4 DIGIT NO.:	7843
ADR PROJECT NUMBER:	1955B55
TO PERMIT:	DATE: 04/08/20
TO BID:	DATE: ##-##-##

SHEET TITLE:
PLUMBING PLAN AND NOTES
SHEET NUMBER:
P1

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