LEGEND

- EXISTING COLD WATER PIPING
- NEW COLD WATER PIPING
- EXISTING HOT WATER PIPING
- NEW HOT WATER PIPING
- EXISTING SANITARY WASTE PIPING
- NEW SANITARY WASTE PIPING
- EXISTING SANITARY VENT PIPING
- NEW SANITARY VENT PIPING
- EXISTING GREASE WASTE PIPING
- NEW GREASE WASTE PIPING
- NEW GAS PIPING
- EXISTING PIPING TO BE REMOVED
- GRADE & FLOOR CLEANOUT
- FLOW DIRECTION
- PIPING DOWN/DROP @ ELBOW
- PIPING DOWN/DROP @ TEE
- PIPING RISE/UP @ ELBOW
- PIPING RISE/UP @ TEE
- P-TRAP
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- UNION
- CAPPED OFF PIPE
- BALL VALVE
- BACKFLOW PREVENTER
- SHOCK ABSORBER
- CHECK VALVE
- PRESSURE REGULATING/REDUCING VALVE
- BALANCING VALVE
- GAS COCK
- SOLENOID OPERATED AUTOMATIC GAS SHUT OFF VALVE
- WATER METER
- GAS METER
- MIXING VALVE
- FLOOR DRAIN
- FLOOR SINK
- POINT OF DEMOLITION TO EXISTING
- POINT OF CONNECTION TO EXISTING
- FOOD SERVICE EQUIPMENT IDENTIFICATION
- TROUGH DRAIN

PLUMBING DEMOLITION NOTES

1. IT IS THE INTENT THAT ALL EXISTING PIPING, DUCTWORK, FIXTURES AND OTHER EQUIPMENT AND MATERIALS THAT INTERFERE WITH THE ALTERED EXISTING BUILDING ARRANGEMENTS AND NEW SYSTEMS BE REMOVED, RELOCATED, REROUTED OR ABANDONED. THE DRAWINGS GENERALLY INDICATE MAJOR ITEMS OF EXISTING MATERIALS AND EQUIPMENT THAT ARE TO BE REMOVED, RELOCATED, REROUTED OR ABANDONED BY EACH TRADE. IT IS NOT POSSIBLE TO INDICATE ALL RELATED ACCESSORIES, SPECIALTIES AND OTHER MINOR ITEMS. HOWEVER, THEIR REMOVAL, RELOCATIONS, REROUTING OR ABANDONMENT SHALL ALSO BE INCLUDED IN THIS CONTRACT AND SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
2. EXISTING CONCEALED AND EXPOSED EQUIPMENT AND MATERIALS THAT WILL BECOME ABANDONED DUE TO NEW WORK SHALL BE REMOVED BACK TO ACTIVE RISER AND MAIN AND PROPERLY PLUGGED OR CAPPED BEHIND FINISHED SURFACES.
3. ALL EXISTING PIPING TO BE DEMOLISHED MAY NOT BE SHOWN. CONTRACTOR SHALL DURING PRE-BID SITE VISIT DETERMINE EXTENT OF DEMOLITION AND INCLUDE COST OF THIS WORK IN BID. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS. ALL UNKNOWN BELOW SLAB PIPING ENCOUNTERED DURING INSTALLATION OF NEW WORK SHALL BE REMOVED AND CAPPED OFF AT ACTIVE MAIN OR BRANCH. ALLOWANCE SHALL BE MADE FOR THESE ITEMS IN BID PRICE.
4. EXISTING EQUIPMENT AND MATERIALS THAT ARE TO REMAIN, BUT BECOME EXPOSED DUE TO NEW WORK, SHALL BE RELOCATED AND RECONNECTED AS DIRECTED BY ARCHITECT.
5. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT AND MATERIALS SHALL BE REVIEWED WITH ARCHITECT AND OWNER BEFORE BEGINNING WORK.
6. REMOVED EQUIPMENT AND MATERIALS NOT DESIRED BY OWNER SHALL BECOME PROPERTY OF CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM SITE. EQUIPMENT AND MATERIALS DESIRED BY OWNER SHALL BE DELIVERED BY CONTRACTOR TO AN ON-SITE STORAGE LOCATION DESIGNATED BY OWNER.
7. THE CONTRACTOR MUST SURVEY AND VERIFY LOCATIONS AND PHYSICAL SIZES OF ALL EXISTING ITEMS AND DETERMINE WHETHER RELOCATION OR REROUTING WILL BE REQUIRED. IF RELOCATION OR REROUTING IS REQUIRED, INCLUDING THAT OF ALL RELATED ACCESSORIES, SPECIALTIES AND OTHER MINOR ITEMS, THE CONTRACTOR SHALL INCLUDE ALL NECESSARY WORK AS PART OF HIS CONTRACT AND IT SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
8. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND CAPPING OF THE BUILDING'S EXISTING DOMESTIC WATER, SANITARY SEWER AND NATURAL GAS SERVICES AS SHOWN ON THE CONTRACT DRAWINGS. ALL REMAINING PLUMBING SYSTEMS INCLUDING PIPING, FIXTURE, EQUIPMENT, ETC., SHALL BE DEMOLISHED AND REMOVED BY OTHERS.
9. PRIOR TO TERMINATION OF THE BUILDING'S EXISTING DOMESTIC WATER, SANITARY SEWER AND NATURAL GAS SERVICES, PLUMBING CONTRACTOR SHALL NOTIFY AND COORDINATE THIS WORK WITH EACH RESPECTIVE UTILITY COMPANY.
10. PRIOR TO BID, CONTRACTOR SHALL FIELD INSPECT AND VERIFY SCOPE OF DEMOLITION WORK AND INCLUDE IN BID ALL COSTS ASSOCIATED WITH THE DISCONNECTION AND SAFING-OFF OF THE BUILDING'S EXISTING DOMESTIC WATER, SANITARY SEWER AND NATURAL GAS SERVICES.

GENERAL SPECIFICATIONS

1. ALL PLUMBING SHALL COMPLY WITH THE 2021 EDITION OF THE NATIONAL STANDARD PLUMBING CODE AS ADOPTED BY THE STATE OF NEW JERSEY.
2. CONTRACTOR SHALL PROVIDE AND PAY ALL FEES AND PERMITS.
3. THE DRAWINGS ARE INTENDED TO SHOW APPROXIMATE AND RELATIVE LOCATIONS OF MATERIALS AND EQUIPMENT. DRAWINGS SHALL NOT BE SCALED TO DETERMINE EXACT POSITIONS AND CLEARANCES. BECAUSE OF DIAGRAMMATIC LAYOUT AND SMALL SCALE OF DRAWINGS, NOT ALL RISES, DROPS, OFFSETS, VENTS, TRAPS AND RELATED SPECIALTIES ARE INDICATED. PROVIDE ALL SUCH PIPING, FITTINGS, VALVES AND SPECIALTIES REQUIRED IN SUCH CASES TO INSURE A COMPLETE AND PROPERLY OPERATING INSTALLATION IN ACCORDANCE WITH CODES AND WITHOUT EXTRA COST TO OWNER.
4. WORK SHALL BE PERFORMED BY MECHANICS SKILLED IN PARTICULAR TRADE INVOLVED, THAT IS, PLUMBING WORK SHALL BE PERFORMED BY PLUMBERS, ELECTRICAL WORK SHALL BE PERFORMED BY ELECTRICIANS, MECHANICAL WORKED PERFORMED BY STEAM FITTERS AND SHEET METAL MECHANICS.
5. ALL WORK SHALL BE INSPECTED, TESTED AND APPROVED BY THE PROPER AUTHORITIES HAVING JURISDICTION. CERTIFIED COPIES OF THESE APPROVALS SHALL BE DELIVERED TO THE OWNER BEFORE FINAL PAYMENT.
6. SLEEVES SHALL BE INSTALLED THROUGH FLOORS AND FIRE RATED WALLS. SLEEVES SHALL BE 2 PIPE SIZES LARGER THAN PIPE PASSING THRU AND SHALL BE SCHEDULE 40 STEEL PIPE. PROVIDE FIRE PROOF SEAL BETWEEN PIPES AND SLEEVES WHEN PASSING THRU FIRE RATED WALLS/FLOORS. SLEEVES PASSING THRU FLOORS SHALL BE EXTENDED 4" ABOVE FLOOR.
7. ESCUTCHEON PLATES SHALL BE PROVIDED ON ALL PIPE WHICH PASS THROUGH WALL PARTITIONS, FLOORS OR CEILINGS. PLATES SHALL BE ONE PIECE, CHROME FINISHED BRONZE.
8. COREDRILLING SHALL BE ACCOMPLISHED BY MECHANICAL MEANS IN A MANNER THAT WILL NOT AFFECT THE INTEGRITY OF THE STRUCTURE. AFTER INSTALLATION OF PIPING THRU THE COREDRILL, PACK THE ANNULAR SPACE WITH OAKUM OR FIBROUS GLASS, LEAVING A MINIMUM OF TWO INCHES AT EACH END TO BE FILLED AND FINISHED WITH A "FIRE BARRIER" MATERIAL EQUAL TO 3M "PENETRATION SEALING SYSTEMS" SUCH AS "CP-25 CAULK", "303 PUTTY" OR "FS-195 WRAP". APPLICATION OF "FIRE BARRIER" MATERIAL SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND APPLICABLE CODES.
9. PROVIDE COPIES OF ALL TEST REPORTS TO OWNER.
10. FLUSH VALVE/TANK HANDLES FOR HANDICAPPED WATER CLOSETS SHALL FACE WIDE SIDE OF STALL/ROOM.
11. COORDINATE LOCATION OF ALL ABOVE CEILING PIPING WITH MECHANICAL, ELECTRICAL & FIRE PROTECTION CONTRACTORS PRIOR TO INSTALLATION.
12. IF CONFLICT ARISES BETWEEN ITEMS SHOWN ON DRAWINGS AND ITEMS SPECIFIED, THE MOST STRINGENT ITEM SHALL BE USED.
13. THE INSTALLATION OF ALL INSULATION SHALL BE PERFORMED BY AN EXPERIENCED CRAFTSMAN IN A NEAT WORKMAN-LIKE MANNER AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED.
14. ALL NEW PLUMBING FIXTURES SHALL MEET THE APPROPRIATE "ANSI" STANDARDS LISTED IN THE PLUMBING SUBCODE. USE OF SUBSTANDARD AND NON-CONFORMING FOREIGN MADE PRODUCTS IS PROHIBITED.
15. ALL PLUMBING SYSTEMS AND VALVES SHALL BE LABELED FOR PROPER IDENTIFICATION. NAMEPLATES, METAL TAGS, & PLASTIC PIPE MARKERS SHALL BE IN ACCORDANCE WITH BRIMAR IDENTIFICATION & SAFETY PRODUCTS, BRIMAR INDUSTRIES, INC.
16. INSULATE EXPOSED WASTE & WATER PIPING BELOW HANDICAPPED LAVATORIES WITH PLUMBEREX "PRO-EXTREME" FORM FIT INSULATING COVERS.
17. HANDICAPPED FIXTURE HEIGHTS SHALL BE IN ACCORDANCE WITH ICC/ANSI A-117.1.
18. ALL PLUMBING FIXTURES SHALL BE PROVIDED WITH CHROME PLATED SHUT OFF VALVES (ANGLE STOPS), CHROME PLATED SUPPLIES AND P-TRAPS.

ABBREVIATIONS

ABV CLG	ABOVE CEILING
BF	BARRIER-FREE
BLW FLR	BELOW FLOOR
BT	BATHTUB
BFP	BACKFLOW PREVENTER
CI	CAST IRON
CO	CLEANOUT
CW	COLD WATER
CONT	CONTINUE
CWFU	COLD WATER FIXTURE UNIT
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DN	DOWN
EC	ELECTRICAL CONTRACTOR
EWC	ELECTRICAL WATER COOLER
E	EXISTING
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FM	FORCE MAIN
FNL	FUNNEL
FPC	FIRE PROTECTION CONTRACTOR
FS	FLOOR SINK
FSEC	FOOD SERVICE CONTRACTOR
G	GAS
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GPM	GALLONS PER MINUTE
GW	GREASE WASTE
HB	HOSE BIBB
HC	HANDICAPPED ACCESSIBLE
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
HWR	HOT WATER RETURN
IW	INDIRECT WASTE
LAV	LAVATORY SINK
MC	MECHANICAL CONTRACTOR
MR	MOP RECEPTOR
MS	MOP SINK
MV	MIXING VALVE
N	NEW
PC	PLUMBING CONTRACTOR
PRV	PRESSURE REGULATING/REDUCING VALVE
RAC	RUN ABOVE CEILING
RD/ORD	ROOF DRAIN/OVERFLOW ROOF DRAIN
SAN	SANITARY
SH	SHOWER
SK	SINK
SF	SQUARE FOOT
S/S	STAINLESS STEEL
T & P	TEMPERATURE & PRESSURE
TD	TRENCH DRAIN / TROUGH DRAIN
TW	TEMPERED WATER
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
V	VENT
VTR	VENT THRU ROOF
W/	WITH
WB	WASHING MACHINE SUPPLY & WASTE BOX
WC	WATER CLOSET
WCO	WALL CLEAN OUT
W/D	WASHER/DRYER
WH	WALL HYDRANT

SUBMITTAL NOTE:

1. CONTRACTOR SHALL PROVIDE SUBMITTALS FOR ALL PIPING, VALVES, EQUIPMENT, ETC IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS. NO WORK SHALL BEGIN UNTIL APPROVAL HAS BEEN OBTAINED FROM ARCHITECT/ENGINEER.
2. CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS 1/4" SCALE MINIMUM FOR REVIEW AND APPROVAL AS STATED IN NOTE 1 ABOVE.

"AS BUILT" CONSTRUCTION DRAWINGS NOTES:

1. CONTRACTOR SHALL PROVIDE (1) SET OF "AS-BUILT" DRAWINGS ON DISC IN PDF FORMAT TO ARCHITECT AND OWNER AT THE COMPLETION OF PROJECT.
2. TWO (2) SETS OF "AS-BUILT" DRAWINGS ON BLACKLINE PRINTS SHALL BE SUPPLIED TO THE ARCHITECT FOR THE ARCHITECT'S AND ENGINEER'S USE AT THE PROJECT COMPLETION.

CONTINUITY OF EXISTING SYSTEMS

1. ALL WORK SHALL BE PERFORMED AT SUCH TIME AND IN SUCH MANNER AS WILL LEAST INTERFERE WITH MAINTENANCE AND OPERATION OF OWNER'S ACTIVITIES. PROVISIONS SHALL BE MADE TO PERMIT OWNER'S USE OF ALL THE BUILDING AND OF EXISTING SYSTEMS AT ALL TIMES. PROVIDE TEMPORARY FACILITIES TO SECURE THESE CONDITIONS. REMOVE TEMPORARY FACILITIES WHEN PERMANENT WORK HAS BEEN PLACED INTO SERVICE.
2. FULLY COORDINATE WITH ARCHITECT, OWNER AND ALL OTHER TRADES. ALL WORK INVOLVING SHUT-DOWN AND INTERRUPTION OF EXISTING SYSTEMS AND SERVICE.
3. SHUT-DOWN OF EXISTING SERVICES WHERE REQUIRED TO INSTALL NEW SYSTEMS OR ALTER EXISTING SHALL BE PERFORMED IN A MANNER THAT WILL NOT INTERFERE WITH OWNER'S OPERATIONS. ALL COSTS FOR PERFORMING THIS WORK SHALL BE BORNE BY THE CONTRACTOR AND WITHOUT "EXTRA" COST TO THE OWNER.
4. EXISTING SYSTEMS AND SERVICES THAT ARE TEMPORARILY DISCONNECTED, BUT ARE TO REMAIN IN USE, SHALL BE PERMANENTLY RECONNECTED AND RETURNED TO PROPER OPERATION.
5. FULLY COORDINATE WITH ARCHITECT, OWNER AND OTHER TRADES TO ENSURE COMPLETE CONTINUITY OF ALL SYSTEMS AND SERVICES.

HANGERS & SUPPORTS

1. HANGERS AND ANCHORS SHALL BE SECURELY ATTACHED TO BUILDING CONSTRUCTION AT SUFFICIENTLY CLOSE INTERVALS TO SUPPORT PIPING AND ITS CONTENTS.
   (A) VERTICAL PIPING FOR CAST IRON SHALL BE SUPPORTED AT BASE AND AT EACH STORY HEIGHT BUT NOT MORE THAN 15 FOOT INTERVALS.
   (B) VERTICAL PIPING FOR COPPER SHALL BE SUPPORTED AT EACH STORY HEIGHT BUT NOT MORE THAN 10 FOOT INTERVALS.
   (C) VERTICAL PIPING FOR STEEL SHALL BE SUPPORTED AT BASE AND AT EVERY OTHER STORY HEIGHT BUT NOT MORE THAN 15 FOOT INTERVALS.
   (D) HORIZONTAL PIPING FOR CAST IRON SHALL BE SUPPORTED WITH MINIMUM ONE HANGER LOCATED WITHIN 18" OF EACH JOINT, AT CHANGES IN DIRECTION, AND AT EACH BRANCH CONNECTION. WHERE PIPE IS SUSPENDED BY NON-RIGID HANGERS MORE THAN 18" LONG PROVIDE LATERAL SUPPORT.
   (E) HORIZONTAL PIPING FOR COPPER SHALL BE SUPPORTED AT 6 FOOT INTERVALS FOR PIPE SIZES 1-1/4" AND SMALLER AND AT 10 FOOT INTERVALS FOR PIPE SIZES 1-1/2" AND LARGER. WHERE PIPE IS SUSPENDED BY NON-RIGID HANGERS MORE THAN 18" LONG PROVIDE LATERAL SUPPORT.
   (F) HORIZONTAL PIPING FOR STEEL SHALL BE SUPPORTED AT 12 FOOT INTERVALS FOR PIPE SIZES 1-1/4" AND SMALLER AND AT 12 FOOT INTERVALS FOR PIPE SIZES 1-1/2" AND LARGER. WHERE PIPE IS SUSPENDED BY NON-RIGID HANGERS MORE THAN 18" LONG PROVIDE LATERAL SUPPORT.
   (G) PLASTIC PIPE SHALL BE SUPPORTED AT INTERVALS OF NOT MORE THAN 4 FEET, AT END OF BRANCHES, AND CHANGES OF DIRECTION OR ELEVATION. SUPPORTS SHALL ALLOW FOR FREE MOVEMENT. VERTICAL PIPE SHALL BE MAINTAINED IN STRAIGHT ALIGNMENT. TRAP ARMS IN EXCESS OF 3 FEET SHALL BE SUPPORTED AS CLOSE TO TRAP AS POSSIBLE. CARE SHALL BE TAKEN NOT TO COMPRESS, DISTORT, CUT OR ABRADE PIPING.
2. ALL SUPPORTS COMING IN CONTACT WITH COPPER PIPING SHALL BE PLASTIC COATED.
3. INSTALL METAL SHIELDS ON HANGERS SUPPORTING INSULATED PIPE.
4. PROVIDE HANGERS THAT ARE U.L. LISTED AND LABELED.
5. ALL DOMESTIC WATER, STORM & SANITARY WASTE PIPE SUPPORTS SHALL BE IN ACCORDANCE WITH THE NATIONAL STANDARD PLUMBING CODE 2021 AS ADOPTED BY THE STATE OF NEW JERSEY.
6. PLUMBING SYSTEMS SHALL BE INSTALLED SO AS TO PREVENT STRAINS & STRESSES WHICH WILL EXCEED STRUCTURAL STRENGTH OF PIPE. PROVISIONS SHALL BE MADE FOR EXPANSION & CONTRACTION OF PIPING. ALL HANGERS LOCATED OUTSIDE OR IN CORROSIVE AREAS SHALL BE GALVANIZED.
7. ALL HANGERS ON GALVANIZED PIPE SHALL BE GALVANIZED.
8. MINIMUM ROD DIAMETER FOR SINGLE RIGID SUPPORTS SHALL BE AS FOLLOWS:
   (A) FOR 1/4" THRU 2" PIPE: 3/8"DIAMETER
   (B) FOR 2 1/2" AND 3" PIPE: 1/2"DIAMETER
   (C) FOR 4" AND 5" PIPE: 5/8"DIAMETER
   (D) FOR 6" PIPE: 3/4"DIAMETER
   (E) FOR 8" THRU 12"PIPE: 7/8"DIAMETER
   (F) FOR 14" THRU 18"PIPE: 1"DIAMETER
   (G) RODS MAY BE REDUCED ONE SIZE FOR DOUBLE ROD HANGERS (3/8"DIA MIN).
9. LONG RUNS OF DOMESTIC WATER PIPING SHALL BE SECURED TO AVOID MOVEMENT DUE TO PRESSURE FLUCTUATIONS (WATER HAMMER).

GAS-FIRED HOT WATER HEATER SCHEDULE

SYMBOL	INPUT (MBH)	CAPACITY (GALLONS)	WATER ENT (°F)	WATER LVG (°F)	RECOVERY (GPH)	V/PH/HZ	CIRCUIT BREAKER	OPER WEIGHT (LBS)	BASIS OF DESIGN	
									MANUFACTURER	MODEL NUMBER
HWH-1	120	60	40	120	138	120/1/60	15 AMP	960	A.O. SMITH	BTH-120 Mxi

AIR COMPRESSOR SCHEDULE

SYMBOL	LOCATION	CAPACITY	DIMENSIONS, INCHES	ELECTRICAL			BASIS OF DESIGN		REMARKS
				MOTOR HP	V/PH/HZ	FLA	MANUFACTURER	MODEL NUMBER	
AC-1	MEZZANINE	37.2 ACFM @ 125 PSI	71.3"L X 29"W X 56"H	10 HP	208/3/60	32.2	INGERSOL RAND	7100E10	120 GALLON RECIEVER TANK W/ AIR COOLED AFTERCOOLER & AUTOMATIC DRAIN VALVE

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	BASIS OF DESIGN MANUFACTURER AND MODEL		CONNECTION SIZE					MOUNT	FAUCET / FLUSHOMETER		ELECTRICAL	ADA	REMARKS
		MANUFACTURER	MODEL	WASTE	VENT	CW	HW	GAS & C/A		MANUFACTURER	MODEL			
WC-1	WATER CLOSET	KOHLER	K-3999-T	3"	-	1/2"	-	-	FLOOR	-	-	-	YES	WITH TANK COVER LOCKS, 1.28 GPF SEAT - AMERICAN STANDARD 5901.100 PROFLO HEAVY DUTY WAX BOWL RING
LAV	LAVATORY	AMERICAN STANDARD	356.015	1-1/4"	1-1/4"	1/2"	1/2"	-	WALL	AMERICAN STANDARD	1340.119	-	-	METERING FAUCET, 0.5 GPM / MIXING VALVE - PROFLO PFMVTD38 DRAIN - PROFLO PFGD100 / TRAP - PROFLO PFPTB100 SUPPLIES - ZURN Z8808-XL-LRLK-PC / TRAP COVER - PROFLO PF202WH
SK	UTILITY SINK	KOHLER	K-3202	(2) 1-1/2"	1-1/2"	(2) 1/2"	(2) 1/2"	-	WALL	KOHLER	K-730T70-4AR	-	-	DRAIN - KOHLER K-8820 / TRAP - KOHLER K-9000 ANGLE SUPPLIES & STOPS - KOHLERK7653-CP SOAP DISH - KOHLER K-8880
MS	MOP SINK	FIAT	MSB2424	3"	2"	3/4"	3/4"	-	FLOOR	FIAT	#830-AA	-	-	PROVIDE WITH QDC - QUICK DRAIN CONNECTOR, FIAT #1453BB SS STRAINER, FIAT #832AA HOSE & HOSE BRACKET, FIAT #MSG WALL GUARD
EEW/SH	EMERGENCY EYEWASH / SHOWER	GUARDIAN	GBF1909	-	-	1"	1"		FLOOR	-	-	-	YES	PROVIDE GUARDIAN MODEL G6040 THERMOSTATIC MIXING VALVE
EWC-1	ELECTRIC WATER COOLER (BI-LEVEL)	ELKAY	#LZSTL8WSLK	1-1/2"	1-1/2"	1/2"	-	-	WALL	-	-	120/1/60	YES	BOTTLE FILLER, WATER FILTER
NFWH	NON-FREEZE WALL HYDRANT	J.R.SMITH	#5515	-	-	3/4"	-	-	WALL	-	-	-	-	EXTERIOR, NON-FREEZE, INTEGRAL VACUUM BREAKER, 1/4 TURN WITH KEY LOCK, STAINLESS STEEL BOX
FD-1	FLOOR DRAIN	ZURN	Z415-ZN	3"	-	-	-	-	FLOOR	-	-	-	-	(NH) NO HUB OUTLET, (ZN) DURA-COAT CAST IRON BODY WITH 6" NICKEL BRONZE TOP, WITH PROSET WATERLESS TRAP PRIMER

DATE	No.	REVISION
11/03/26	1	RELEASED FOR BID

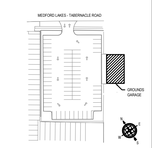
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PROPOSED NEW MAINTENANCE FACILITY
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SCALE:	AS NOTED	DRAWN BY:	SJM
COMM. No.	8319	CHECKED BY:	JMS
DATE:	11/03/2026	8CZ6206.00	

SHEET TITLE:
PLUMBING LEAD SHEET

SHEET No.:
P0.0

FILE P:\8200\8 Dept Commercial - Hospitality\8PZ6206.00 - LRHSD - 8319 SHS Grounds Garage\05 - Drawings\Plumbing\P-100 PLUMBING FLOOR PLAN.dwg DATE 11/3/2026 3:25 PM USER Leeds, Ryan

PLUMBING NEW WORK NOTES:

GENERAL NOTES:

1. REFER TO PLUMBING LEAD SHEET, P-0.0 FOR "NOTES" THAT PERTAIN TO THE SCOPE OF THIS PROJECT.
2. EXISTING CONCEALED AND EXPOSED EQUIPMENT AND MATERIALS THAT WILL BECOME ABANDONED DUE TO NEW WORK SHALL BE REMOVED BACK TO ACTIVE RISER AND MAIN AND PROPERLY PLUGGED OR CAPPED BEHIND FINISHED SURFACES.
3. WHERE PIPING PENETRATES AN EXISTING WALL OR SURFACE AND IS BEING ABANDONED IN PLACE, THE PIPING SHALL BE CUT BEYOND THE EXTERIOR SURFACE OF THE MATERIAL AND CAPPED. ONCE CAPPED, THE SURFACE SHALL BE PATCHED TO MATCH EXISTING SURFACES.
4. IN THE REMOVAL OF ANY PART OF A DRAINAGE OR WATER SYSTEM, DEAD ENDS SHALL BE AVOIDED EXCEPT WHERE NECESSARY TO EXTEND TO A CLEANOUT SO AS TO BE ACCESSIBLE.
5. CONTRACTOR SHALL VERIFY LOCATION, SIZE, AND ROUTING OF ALL PIPING PRIOR TO DEMOLITION. PLUMBING DRAWINGS ARE DIAGRAMMATIC AND MAY NOT BE AN EXACT REPRESENTATION OF FIELD CONDITIONS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING SHUTOFF VALVES FOR DOMESTIC AND NATURAL GAS PIPING TO ISOLATE THE AREA OF WORK PRIOR TO DEMOLITION.
7. REMOVED EQUIPMENT AND MATERIALS NOT DESIRED BY OWNER SHALL BECOME PROPERTY OF CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM SITE. EQUIPMENT AND MATERIALS DESIRED BY OWNER SHALL BE DELIVERED BY CONTRACTOR TO AN ON-SITE LOCATION DESIGNATED BY OWNER.

NEW WORK KEYED NOTES:

GENERAL NOTES ARE INDICATED WITH THE FOLLOWING SYMBOL (#) AND ARE NUMBERED AS FOLLOWS:

(1) 3" SANITARY AND 1/2" COLD WATER SUPPLY TO WATER CLOSET.

(2) 1-1/4" SANITARY AND 1-1/4" VENT TO LAVATORY. 1/2" COLD & HOT WATER SUPPLY TO LAVATORY. PROVIDE BELOW-DECK MIXING VALVE 'MV-1' AND PROVIDE TEMPERED WATER (105°F - 110°F) TO LAVATORY.

(3) 2" SANITARY AND 2" VENT TO SINK. (2)1/2" COLD & HOT WATER SUPPLY TO SINK. PROVIDE BELOW-DECK MIXING VALVE 'MV-2' AND PROVIDE TEMPERED WATER (105°F - 110°F) TO SINK.

(4) 3" SANITARY AND 3/4" COLD & HOT WATER SUPPLY TO MOP SINK.

(5) 2" SANITARY, 2" VENT, AND 1-1/4" TEMPERED WATER SUPPLY TO EEWSH. PROVIDE FD-1 FLOOR DRAIN FOR EEWSH.

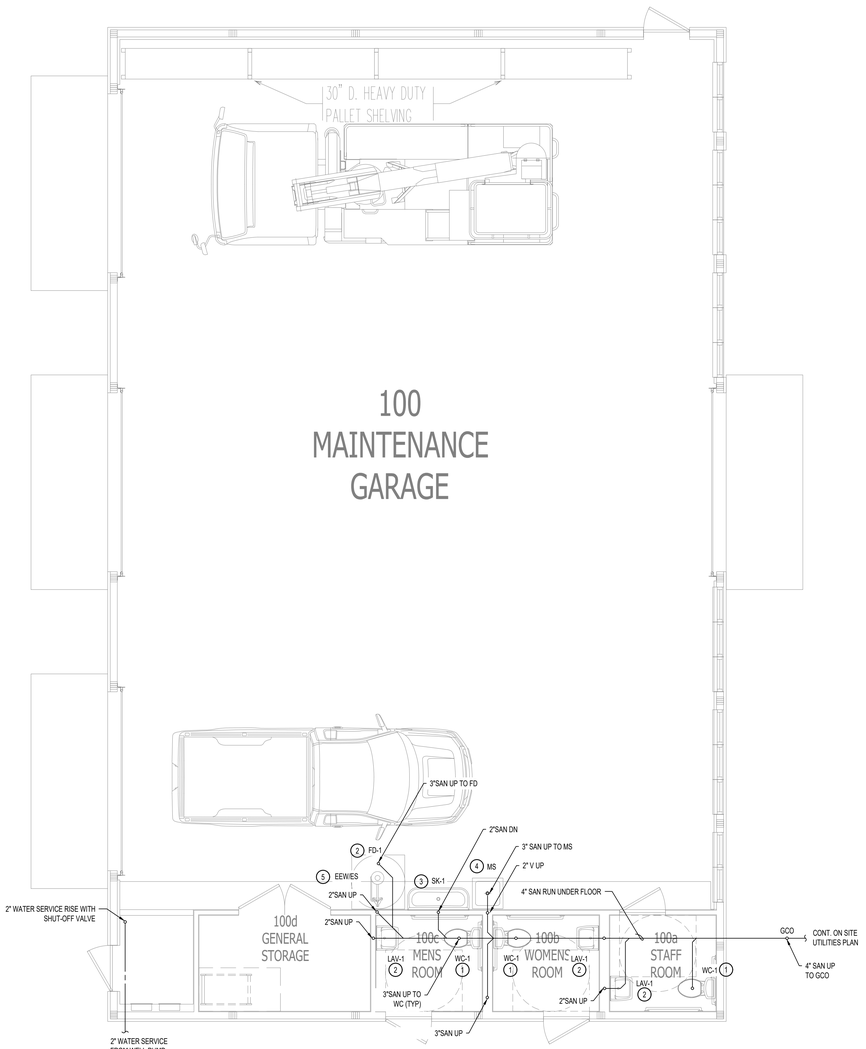
(6) 3" SANITARY FROM FLOOR DRAIN. COORDINATE EXACT LOCATION OF FLOOR DRAIN WITH ARCHITECT.

(7) SANITARY TO FLOOR / WALL CLEANOUT. COORDINATE EXACT LOCATION OF CLEANOUTS WITH CASEWORK, FINISHES, AND ARCHITECT.

PLUMBING NEW WORK NOTES:

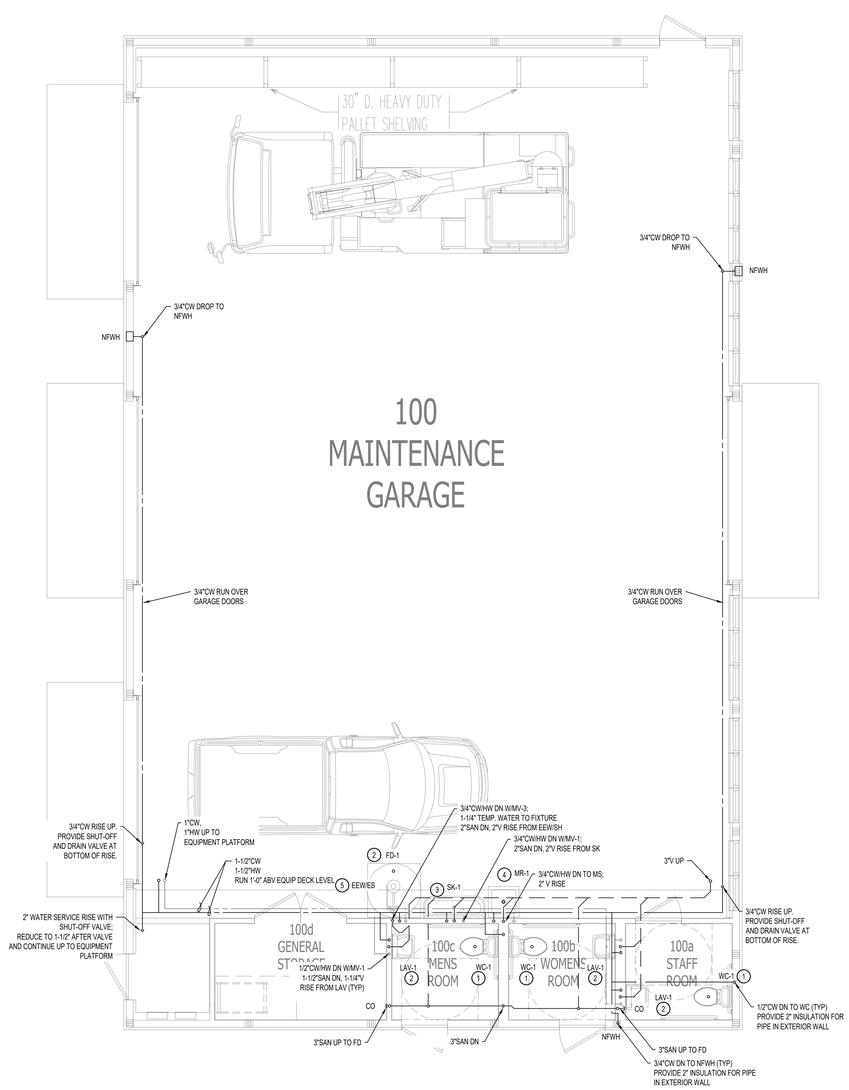
SHEET NOTES:

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2. PLUMBING CONTRACTOR TO COORDINATE WITH SCHOOL WHEN TAPPING INTO EXISTING DOMESTIC WATER LOOP. NEW ISOLATION VALVES TO BE PROVIDED FOR NEW BRANCHES.



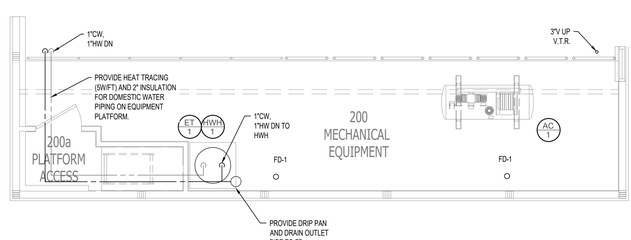
1 P-1.0 UNDERSLAB PLUMBING NEW WORK PLAN
SCALE: 1/4" = 1'-0"

0' 1' 2' 4' 8'
SCALE BAR: 1/4"=1'-0"



2 P-1.0 FIRST FLOOR PLUMBING NEW WORK PLAN
SCALE: 1/4" = 1'-0"

0' 1' 2' 4' 8'
SCALE BAR: 1/4"=1'-0"



3 P-1.0 EQUIPMENT PLATFORM PLUMBING NEW WORK PLAN
SCALE: 1/4" = 1'-0"

0' 1' 2' 4' 8'
SCALE BAR: 1/4"=1'-0"

DATE	No.	REVISION
11/03/26	1	RELEASED FOR BID

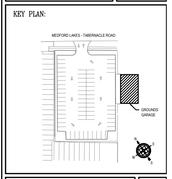
John A. Marchiafava P. E.
New Jersey P. E. No. 24GE04900500
CONCORD ENGINEERING
NJ C.O.A. 24GA27936700
520 South Burnt Mill Road
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(856) 427-0200
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LRHSD PROJECT NO. REF21-43-8319, 2-010-24
PROPOSED NEW MAINTENANCE FACILITY
SHAWNEE HIGH SCHOOL MAINTENANCE BUILDING
580 TABERNACLE ROAD, MEDFORD, NEW JERSEY 8055
MEDFORD TOWNSHIP
BLOCK NO. 4704
LOT NO. 3
BURLINGTON COUNTY

Linda M. Vivenzi, AIA, Secretary/Treasurer
New Jersey Architect LIC # 21AI01269300, P.P. LIC # 20IJ00653300

Drew C. Rinaldo, AIA, President
New Jersey Lic # 21AI01269800

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SCALE:	AS NOTED	DRAWN BY:	SJM
COMM. No.	8319	CHECKED BY:	JMS
DATE:	11/03/2026	8C26206.00	

SHEET TITLE:
PLUMBING FIRST FLOOR PLAN

SHEET No.:
P1.0

FILE J:\2026\8 Dept Commercial - Hospitality\8P8260600 - LRHSD - 8319 SHS Grounds Garage\US - Drawings\Plumbing\P-100 PLUMBING FLOOR PLAN.dwg DATE 11/3/2026 3:25 PM USER Leeds, Ryan

PLUMBING NEW WORK NOTES:

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NEW WORK KEYED NOTES:

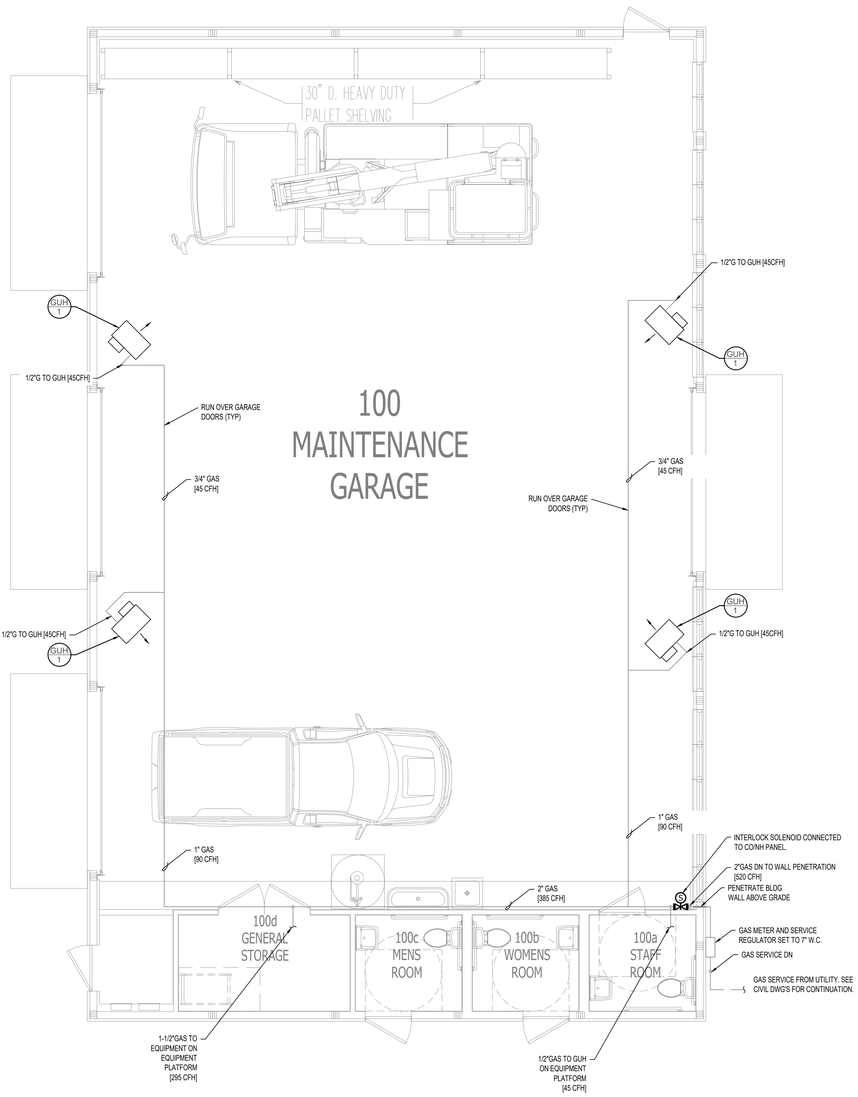
GENERAL: NOTES ARE INDICATED WITH THE FOLLOWING SYMBOL (#) AND ARE NUMBERED AS FOLLOWS:

(1) -

PLUMBING NEW WORK NOTES:

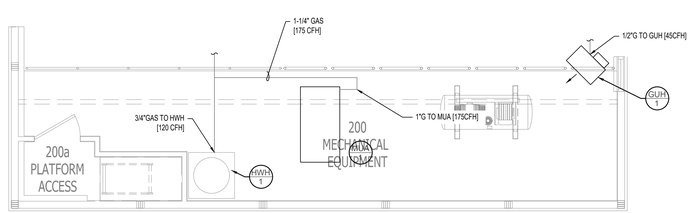
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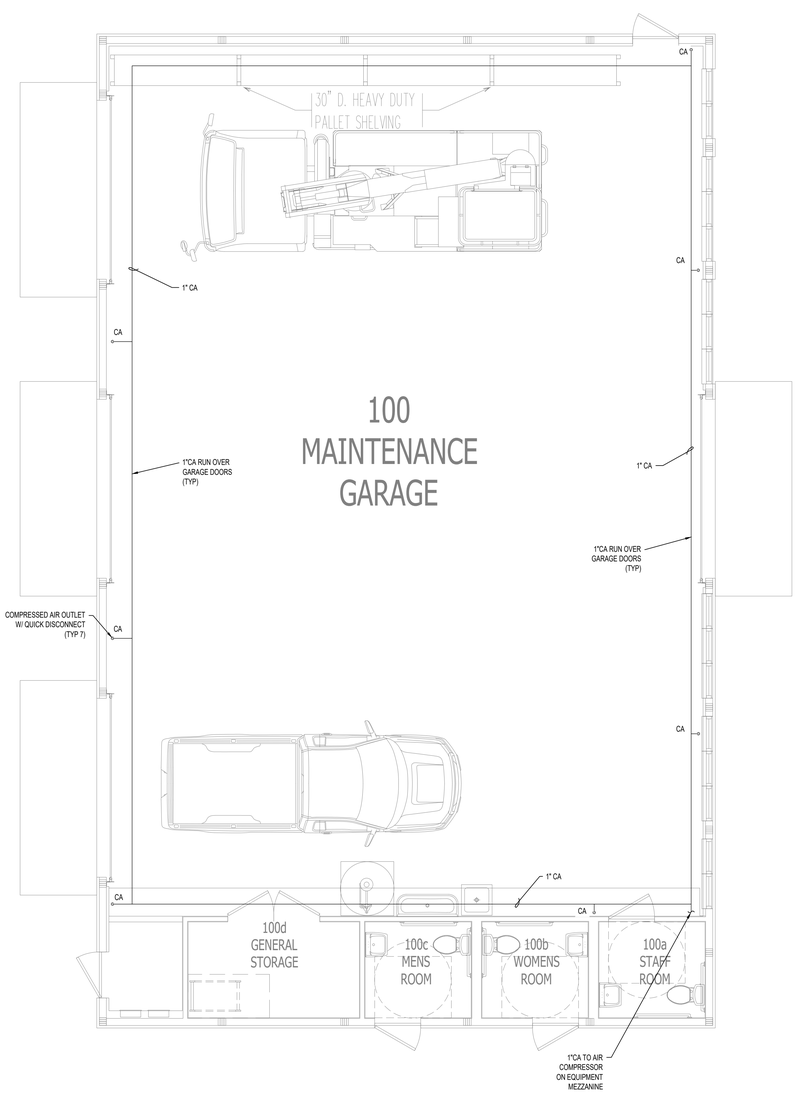
1 P-2.0 FIRST FLOOR NATURAL GAS NEW WORK PLAN
SCALE: 1/4" = 1'-0"

SCALE BAR: 1/4"=1'-0"



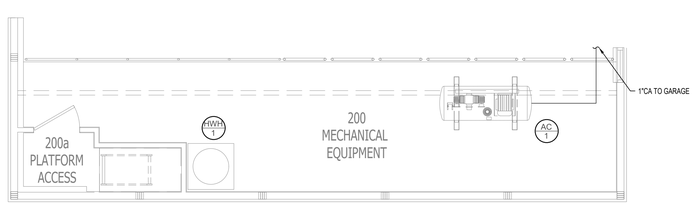
2 P-2.0 EQUIPMENT NATURAL GAS NEW WORK PLAN
SCALE: 1/4" = 1'-0"

SCALE BAR: 1/4"=1'-0"



3 P-2.0 FIRST FLOOR COMPRESSED AIR NEW WORK PLAN
SCALE: 1/4" = 1'-0"

SCALE BAR: 1/4"=1'-0"



4 P-2.0 EQUIPMENT PLATFORM COMPRESSED AIR NEW WORK PLAN
SCALE: 1/4" = 1'-0"

SCALE BAR: 1/4"=1'-0"

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DATE	No.	REVISION

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LOT NO. 3

LRHSD PROJECT NO. REF21-43-8319, 2-010-24

PROPOSED NEW MAINTENANCE FACILITY

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MEDFORD TOWNSHIP

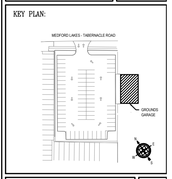
BURLINGTON COUNTY

BLOCK NO. 4704

Linda M. Vivenzi, AIA, Secretary/Treasurer
New Jersey Architect LIC.# 21AI00566300

Drew C. Dziuban, AIA, President
New Jersey LIC.# 21AI00589800

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COMM. No.	8319	CHECKED BY:	JMS
DATE:	11/03/2026	8C26206.00	

SHEET TITLE:
PLUMBING NAT GAS AND COMPRESSED AIR PLANS

SHEET No.:
P2.0

FILE J:\2026\8 Dept Commercial - Hospitality\8P8260600 - LRHSD - 8319 SHS Grounds Garage\05 - Drawings\Plumbing\P-100 PLUMBING FLOOR PLANdwg DATE 11/3/2025 3:25 PM USER Leeds, Ryan

PLUMBING NEW WORK NOTES:

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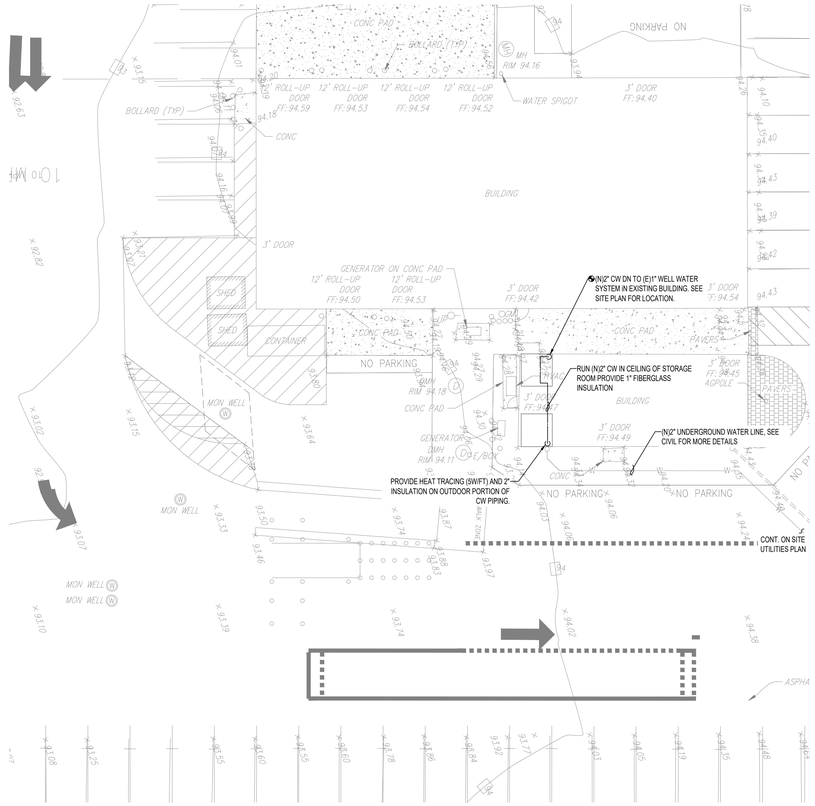
GENERAL: NOTES ARE INDICATED WITH THE FOLLOWING SYMBOL (#) AND ARE NUMBERED AS FOLLOWS:

(1) -

PLUMBING NEW WORK NOTES:

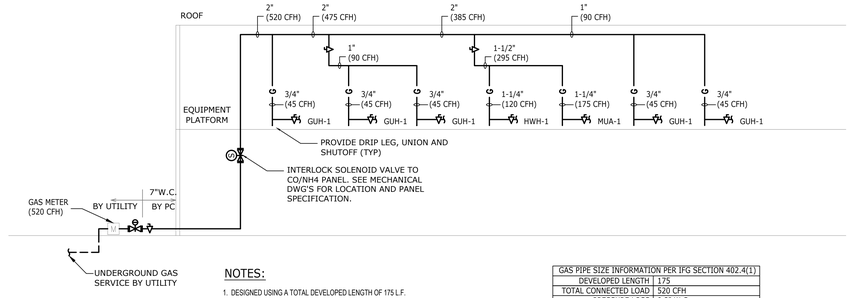
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1 P-3.0 PLUMBING SITE PLAN WITH WELL WATER SERVICE SCOPE.
SCALE: 1/16" = 1'-0"

0' 4' 8' 16' 32'
SCALE BAR: 1/16"=1'-0"

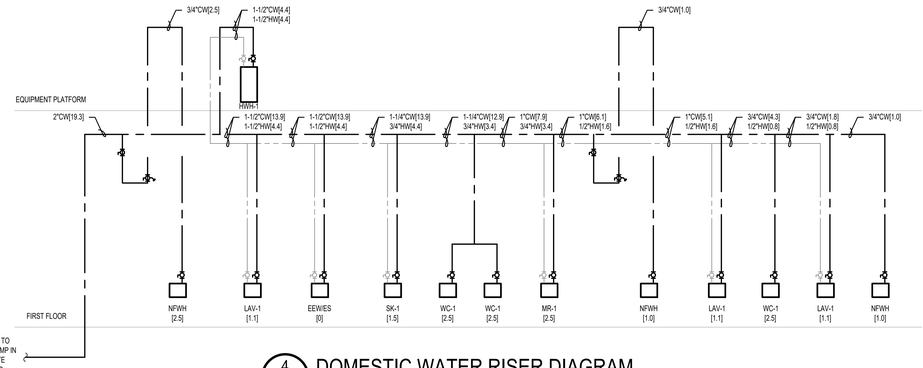


NOTES:

1. DESIGNED USING A TOTAL DEVELOPED LENGTH OF 175 L.F.
2. PLUMBING CONTRACTOR SHALL INSTALL SHUTOFF VALVES AND UNIONS FOR ALL GAS EQUIPMENT.

GAS PIPE SIZE INFORMATION PER IFG SECTION 402.4(1)	
DEVELOPED LENGTH	175
TOTAL CONNECTED LOAD	520 CFH
PRESSURE LOSS	0.3" W.C.
SPECIFIC GRAVITY	0.60
UTILITY PRESSURE	7 IN W.C.

3 P-3.0 NATURAL GAS RISER DIAGRAM
SCALE: N . T . S .



4 P-3.0 DOMESTIC WATER RISER DIAGRAM
SCALE: N . T . S .

IMAGE 1:



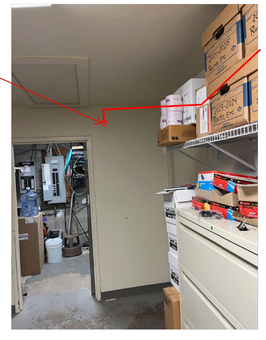
IMAGE 2:

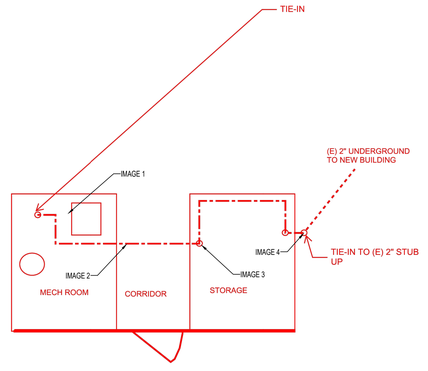


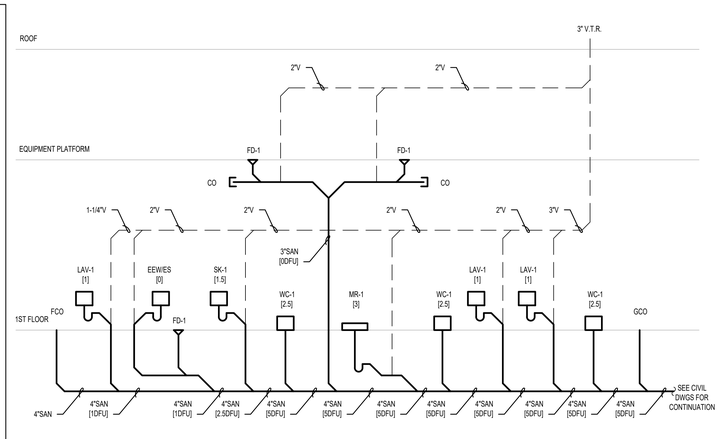
IMAGE 4:



IMAGE 3:







5 P-3.0 SANITARY RISER DIAGRAM
SCALE: N . T . S .

2 P-3.0 PLUMBING WELL WATER SERVICE SCOPE - PICTURES AND DIAGRAMS
SCALE: N . T . S .

11/03/26	1	RELEASED FOR BID
DATE	No.	REVISION

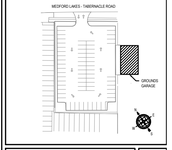
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COMM. No.	8319	CHECKED BY:	JMS
DATE:	11/03/2026	8CZ6206.00	

SHEET TITLE:
PLUMBING SITE PLAN AND RISER DIAGRAMS

SHEET No.:
P3.0

FILE: P:\8CZ6206\8 Dept Commercial - Hospitality\8PZ6206.00 - LRHSD - 8319 SHS Grounds Garage\05 - Drawings\Plumbing\P-100 PLUMBING FLOOR PLAN.dwg DATE: 11/3/2026 3:25 PM USER: Leeds, Ryan