PLUMBING GENERAL NOTES

A. WORK SHALL BE PERFORMED BY A LICENSED PLUMBER OF THE STATE OF COLORADO.

B. MATERIALS, INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF STATE AND LOCAL CODE PROCEDURES, METHODS AND REQUIREMENTS, INCLUDING THE MOST STRINGENT OF HEALTH AND SAFETY STANDARDS AS REQUIRED AND AS INTERPRETED BY THE AUTHORITY HAVING JURISDICTION. MINIMUM CODE AND STANDARDS REQUIRED, BUT NOT LIMITED TO THE FOLLOWING:

- "COLORADO STATE PLUMBING CODE" (2017 EDITION)
- "INTERNATIONAL PLUMBING CODE" (2015 EDITION)
- "NFPA 54 - NATIONAL FUEL GAS CODE"

APPLICABLE LOCAL AND MUNICIPAL CODES AND ORDINANCES.

C. MEANING AND INTENT OF DRAWINGS. DRAWINGS ARE DIAGNAMATIC. PIPING IS SHOWN IN SCHEMATIC FORM. SCALES INDICATED ARE FOR ARCHITECTURAL REFERENCE ONLY. IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY WASTE, VENT, WATER PIPE, FITTING, SUPPORTS, ETC., AND IT IS UNDERSTOOD THAT THE DRAWINGS MUST BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT, THE PROPER INTERPRETATION OF THE TRUE INTENT AND MEANING OF THE DRAWINGS, LOCAL CODES AND STANDARD PRACTICES SHALL BE PROVIDED. PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION. REPORT ANY PROBLEMS OR CONFLICTS TO THE ARCHITECT/ENGINEER. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. ANY MINOR CHANGES IN LOCATION OF EQUIPMENT, WASTE VENT, WATER PIPE, ETC., FROM THOSE LOCATIONS SHOWN ON THE DRAWINGS, SHALL BE MADE WITHOUT EXTRA COST, IF SO DIRECTED BY THE ARCHITECT/ENGINEER BEFORE THE INSTALLATION IS MADE. A MINOR CHANGE IN LOCATION IS CONSIDERED TO BE WITHIN 5'-0" OF THE ORIGINAL INDICATED LOCATION. THE EQUIPMENT INDICATED ON THESE DRAWINGS INCLUDE ONLY THE MAJOR EQUIPMENT REQUIREMENTS. NOT WITHSTANDING, THE DETAILS PRESENTED IN THESE DRAWINGS VERIFY THE COMPLETENESS OF THE MATERIALS LISTS AND SUITABILITY OF DEVICES TO MEET THE INTENT OF THIS PROJECT. ANY ADDITIONAL EQUIPMENT OR MATERIAL REQUIRED, EVEN IF NOT SPECIFICALLY MENTIONED HEREIN SHALL BE PROVIDED WITHOUT CLAIM FOR ADDITIONAL PAYMENT; IT BEING UNDERSTOOD THAT A COMPLETE AND OPERATIONAL PLUMBING SYSTEM, SATISFACTORY TO THE ARCHITECT/ENGINEER AND THE OWNER SHALL BE PROVIDED. USE ONLY THE MANUFACTURER'S TESTED ASSEMBLIES.

D. ALL GENERAL NOTES ARE PART OF THIS CONTRACT.

E. ALL EXPENSES CARRIED BY THE ARCHITECT/ENGINEER IN TROUBLESHOOTING SYSTEM(S) PROBLEMS CAUSED BY INADEQUATE WORKMANSHIP, LACK OF TECHNICAL EXPERTISE OR OTHER FORMS OF POOR PERFORMANCE ON THE PART OF A CONTRACTOR, SHALL BE BORN BY THAT CONTRACTOR.

F. PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL SERVICES IN BUILDING AND TO 5'-0" BEYOND THE BUILDING CONSTRUCTION LINE. SITE UTILITY CONTRACTOR IS RESPONSIBLE FOR ALL OTHER PIPING.

G. COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES AND STRUCTURAL CONDITIONS TO AVOID ANY CONFLICTS AND ADVISE ARCHITECT/ENGINEER OF ANY POSSIBLE CONFLICTS. VERIFY EXACT LOCATIONS, ELEVATIONS, AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS.

H. MAINTAIN A MINIMUM CLEARANCE OF 3'-0" IN FRONT OF ELECTRICAL PANELS AND 1'-6" EITHER SIDE FROM STRUCTURE TO STRUCTURE AND FLOOR TO STRUCTURE. ROUTE PIPING AROUND AND NOT DIRECTLY ABOVE ELECTRICAL PANELS. VERIFY CLEARANCE REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLING PIPE.

I. INCLUDE IN BID, ALL LICENSE, PERMIT, INSPECTION AND OTHER FEES REQUIRED BY UTILITY COMPANIES OR AUTHORITIES HAVING JURISDICTION REQUIRED FOR COMPLETION OF WORK SO THAT NO UNEXPECTED ADDITIONAL EXPENSES ARE INTRODUCED TO OWNER.

J. PROMPTLY INFORM THE ENGINEER, IN WRITING, OF ANY DEVIATIONS IN THE CONTRACT DOCUMENTS FROM REQUIREMENTS OF LOCAL UTILITIES, MUNICIPALITIES, STATE OR FEDERAL LAWS AND REGULATIONS. PERFORM THE WORK IN ACCORDANCE WITH SUCH REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.

K. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED FOR COMPLETE AND FUNCTIONAL SYSTEM AS SPECIFIED AND INDICATED ON THE DRAWINGS.

L. DURING CONSTRUCTION PROCEDURES, THE ENTIRE WORK AREA SHALL BE CLEAN OF ALL DUST, DIRT AND OTHER DEBRIS BEFORE APPLICATION OF ANY NEW MATERIALS.

M. ALL VENTS FROM HORIZONTAL SOIL OR WASTE PIPE SHALL COME OFF TOP OR AT 45 DEGREE VERTICALLY FROM CENTER OF PIPE BEFORE OFFSETTING HORIZONTALLY TO RISER.

N. ALL VENT TERMINATIONS SHALL BE COORDINATED WITH BUILDING OPENINGS, AIR INTAKES AND AIR EXHAUST OPENINGS. ADJUST VENT THROUGH ROOF LOCATIONS TO COMPLY WITH APPLICABLE CODE AND TO BE IN THE LEAST VISIBLE EXTERIOR VIEWPOINT.

O. SUPPORT ALL NEW PIPING AND EQUIPMENT FROM STRUCTURE ABOVE AS REQUIRED. PLUMBING CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTAL STEEL TO SPAN BETWEEN PRIMARY BUILDING STRUCTURAL MEMBERS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN OF SUPPLEMENTAL STEEL AND PIPE SUPPORTS, INCLUDING REACTION LOADS TO PRIMARY BUILDING STRUCTURAL MEMBERS.

P. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NAIL PLATES WHERE PIPING PASSES THROUGH STUD(S) WITHIN 2" OF NAILING SURFACE TO PROTECT PIPE FROM NAILS OR DRYWALL SCREWS.

Q. PLUMBING CONTRACTOR SHALL INSTALL HOT WATER DISTRIBUTION LOOP AND BRANCH SUPPLY PIPING AS CLOSE AS POSSIBLE TO THE HOT WATER INLET SIDE OF POINT OF USE THERMOSTATIC MIXING VALVE, INCLUDING FIXTURES WITH INTEGRAL MIXING VALVES, SO THAT THERE IS NO MORE THAN 10 LINEAR FEET DISTANCE. THIS SHALL BE IN SINGLE FIXTURE APPLICATIONS. LAVATORY HOT WATER PIPING SHALL BE INSTALLED SO THAT THERE IS A MAXIMUM DISTANCE OF 2 FT FROM THE THERMOSTATIC MIXING VALVE TO THE HOT WATER DISTRIBUTION PIPING PER C404.5 OF THE 2015 IECC. IN MULTIPLE FIXTURE APPLICATIONS BATTERIED IN WALL OR PIPE CHASES, THE HOT WATER SUPPLY PIPING SHALL BE AS CLOSE AS REASONABLY POSSIBLE TO THE FIXTURE CONNECTIONS.

R. ALL P-TRAPS FOR FLOOR DRAINS AND FLOOR SINKS SHALL BE DEEP SEAL TRAP FILLED WITH WATER. 2" TRAPS SHALL HAVE A 4" MINIMUM WATER SEAL, 3" AND LARGER SHALL HAVE A 5" WATER SEAL.

S. PLUMBING CONTRACTOR TO INSTALL, TEST, AND FIELD BALANCE APPROVED EQUIPMENT PER MANUFACTURERS WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
KEYED NOTES

1. ROUTE DOMESTIC PIPING ON INTERIOR SIDE OF INSULATION ON EXTERIOR WALL.
2. REFER TO WATER ENTRY DIAGRAM FOR ADDITIONAL INFORMATION.
3. SET CALIBRATED BALANCE VALVES TO APPROXIMATELY 0.5 GPM.
4. CONNECT TO MECHANICAL EQUIPMENT HERE. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

DOMESTIC PLUMBING PLAN

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

GENERAL NOTES

A. SANITARY WASTE PIPING SHALL BE SLOPED AT 1/8-INCH PER FOOT MINIMUM FOR ALL PIPING 4-INCH AND LARGER AND AT 1/4-INCH PER FOOT MINIMUM FOR ALL PIPING 3-INCH AND SMALLER.
B. PLUMBING CONTRACTOR SHALL INSTALL APPROVED WATER HAMMER ARRESTORS IN WATER LINES, BOTH HOT AND COLD, SERVING BATTERY AND BACK TO BACK FIXTURE INSTALLATIONS IN PIPE SPACE AND PIPE CHASES AND SHALL BE ACCESSIBLE.
C. SEAL ALL EXTERIOR WALL PENETRATIONS AIR AND WATER TIGHT.
D. ROUTE ALL PIPING THROUGH STRUCTURAL ELEMENTS. COORDINATE PENETRATION SIZES AND LOCATIONS WITH STRUCTURAL. LOCATE ALL VALVES IN-BETWEEN JOISTS AND PROVIDE ACCESS PANELS FOR FULL VALVE ACCESSIBILITY. REFERENCE STRUCTURAL DRAWINGS.
E. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
F. INSULATE ALL DOMESTIC WATER PIPING PER TABLE C403.2.10 OF THE 2015 IECC. REFER TO SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS.
GENERAL NOTES

A. SANITARY WASTE PIPING SHALL BE SLOPED AT 1/8-INCH PER FOOT MINIMUM FOR ALL PIPING 4-INCH AND LARGER AND AT 1/4-INCH PER FOOT MINIMUM FOR ALL PIPING 3-INCH AND SMALLER.

B. PLUMBING CONTRACTOR SHALL INSTALL APPROVED WATER HAMMER ARRESTORS IN WATER LINES, BOTH HOT AND COLD, SERVING BATTERY AND BACK TO BACK FIXTURE INSTALLATIONS IN PIPE SPACE AND PIPE CHASES AND SHALL BE ACCESSIBLE.

C. SEAL ALL EXTERIOR WALL PENETRATIONS AIR AND WATER TIGHT.

D. ROUTE ALL PIPING THROUGH STRUCTURAL ELEMENTS. COORDINATE PENETRATION SIZES AND LOCATIONS WITH STRUCTURAL. LOCATE ALL VALVES IN-BETWEEN JOISTS AND PROVIDE ACCESS PANELS FOR FULL VALVE ACCESSIBILITY. REFERENCE STRUCTURAL DRAWINGS.

E. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.

F. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.

1. 4" W APPROX. 30° B.F.F., ROUTED IN INSULATED TRENCH TO (E) SEPTIC. REFER TO SITE PLAN.

2. 2" W UP TO 2" FD IN THE MEZZANINE MECHANICAL EQUIPMENT ROOM FOR CONDENSATE. LOCATE FD FOR EASE OF MAINTENANCE ACCESS AND ADJACENT TO GAS FURNACE. 2" VENTING FROM FD IS TO BE ROUTED UNDER ROOF AND CONNECTED TO NEAREST MIN 2" V PIPING PRIOR TO ROOF PENETRATION.
PROVIDE HOLD-RITE WALL HUNG PLATFORM.

1-1/2" CW FOR BUILDING DISTRIBUTION
FROM SITE HYDRO-ACCUMULATOR TANK. SEE P5.2.

ADJUST FOR MAXIMUM 60 PSIG DOWNSTREAM OF RPZ-1.

1-1/2" CW

PROVIDE ISOLATION VALVE MIN 36" AFF

TEMPERATURE GAUGE
PRESSURE GAUGE

LINE SIZED WATER METER

FROM P-1, HWC PUMP
HOT WATER SUPPLY
TYPICAL STOP
COLD WATER SUPPLY
TW
CW

TYPICAL LVATOR
TMV-1

MIN 1-1/2" TALL, GALVANIZED, HDPE, OR ALUMINUM DRAIN PAN WITH 1-1/4" DRAIN. MAINTAIN MIN. 2" ANNUAL SPACE AROUND WATER HEATER.

ROUTE MIN 1-1/4" DRAIN LINE TO NEAREST FLOOR DRAIN. TERMINATE AT 9" AFF.

TYPICAL A.S.M.E. RATED TEMPERATURE AND PRESSURE RELIEF VALVE. SET @ 120 PSI. PIPE FULL SIZE TO FLOOR DRAIN. PROVIDE 2" MINIMUM AIR GAP.

PROVIDE 2" MINIMUM AIR GAP.

1" DRAIN VALVE

MOUNT TOP OF PLATFORM AT APPROX. 4" AFF.

PROVIDE HOLD-RITE
WALL HUNG PLATFORM.
(50-SWHW-W) OR EQUAL.

TO ELECTRICAL POWER SOURCE
(PROVIDED BY ELECTRICAL CONTRACTOR)

CW SUPPLY (SEE PLANS FOR CONT.)
SIZE INDICATED ON DRAWINGS
BALL VALVE (TYP 2)
CHECK VALVE (TYP 2)
VACUUM RELIEF VALVE

EXPANSION TANK
AMTROL (ST-5C)

FROM FROM P-1, HWC PUMP

THERMOMETER (TYP)

SIZE INDICATED ON DRAWINGS

DIELECTRIC UNION (TYP)
COMPONENTS IN CONTRACT

1. 1-1/2" RAW WATER PIPE (FROM WELL)
2. 1-1/2" WATER DISTRIBUTION PIPE
3. 12" PVC PIPE WRAPPED IN 1-1/2" RIGID INSULATION WITH 1/2" x 1/2" SCREEN COVER
4. PRESSURE RELIEF VALVE SET AT 80 PSI - DISCHARGE TO FLOOR SINK
5. HOSE BIBB
6. PRESSURE GAUGE
7. CARTRIDGE FILTER - USA BLUE BOOK - HIGH FLOW WITH 5 MICRON NSF FILTER
8. CHLORINE INJECTION PUMP - STENNER ST-45 MJL 1A STAA
9. CHLORINE 35 GALLON SOLUTION TANK - LIQUID MITRONIC POLY DRUM WITH LIQUID MITRONIC LIQUID LEVEL CONTROLLER.
10. STATIC MIXER - USA BLUE BOX 1-1/2", 6 ELEMENTS
11. PRESSURE TANK - WELL MATE WM-60
12. BALL VALVE - LINE SIZE
13. PRESSURE SWITCH - WELL PUMP ON AT 58 PSI WELL PUMP OFF AT 75 PSI PROVIDE ALL WIRING INTERCONNECTIONS FOR SYSTEM OPERATION USING EXISTING WELL PUMP. IF WELL PUMP IS OPERATING, CHLORINE PUMP (#8) SHALL OPERATE. IF A LOW LEVEL IS INDICATED IN THE CHLORINE SOLUTION TANK, BOTH THE WELL AND CHLORINE PUMPS SHALL SHUT OFF.
**DOMESTIC PUMP SCHEDULE**

<table>
<thead>
<tr>
<th>TAG</th>
<th>SERVICE</th>
<th>LOCATION</th>
<th>TYPE</th>
<th>ARRANGEMENT</th>
<th>FLUID</th>
<th>GPM</th>
<th>FT HD</th>
<th>RPM</th>
<th>HP</th>
<th>VOLT/PH</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-1</td>
<td>DOMESTIC HOT WATER</td>
<td>FIRST LVL JANITOR RM</td>
<td>DOMESTIC HOT WATER</td>
<td>INLINE</td>
<td>WATER</td>
<td>1</td>
<td>1.5</td>
<td>3250</td>
<td>1/40</td>
<td>115/1</td>
<td>TACO</td>
<td>003-SC4</td>
<td>1-3</td>
</tr>
</tbody>
</table>

**NOTES:**
1. ALL STAINLESS STEEL CONSTRUCTION
2. HORIZONTAL INLINE MOUNTED CIRC PUMP WITH 24/7 PROGRAMMABLE LINE VOLTAGE TIMECLOCK CONTROLLER.
3. COORDINATE TIME CLOCK OPERATION SETTINGS WITH OWNER.

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**ELECTRIC WATER HEATER SCHEDULE**

<table>
<thead>
<tr>
<th>PLAN MARK</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>STORAGE IN GALLONS</th>
<th>RECOVERY GPH @ 100 DEG.</th>
<th>KW INPUT</th>
<th>NUMBER OF ELEMENTS</th>
<th>VOLTS</th>
<th>PHASE</th>
<th>FLA</th>
<th>HEIGHT (IN.)</th>
<th>DIAMETER (IN.)</th>
<th>OPERATING WEIGHT (LBS.)</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWH-1</td>
<td>AO SMITH</td>
<td>DSE-30</td>
<td>30</td>
<td>49</td>
<td>12.0</td>
<td>1</td>
<td>240</td>
<td>1</td>
<td>50</td>
<td>31.75</td>
<td>22</td>
<td>396</td>
<td>1-3</td>
</tr>
</tbody>
</table>

**NOTES:**
1. GLASS LINED VESSEL.
2. SET MAX OUTLET TEMPERATURE TO 140°F.
3. PROVIDE WITH LOW WATER CUTOFF FOR HEATING ELEMENTS.

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**PLUMBING PIPING MATERIAL SCHEDULE**

**SYSTEM TYPE**
- DOM. CW ABOVE GRADE
- DOM. HW ABOVE GRADE
- DOM. HWC ABOVE GRADE
- SANITARY BELOW GRADE PIPING
- SANITARY ABOVE GRADE PIPING TO FIXTURES (NOT IN PLENUM SPACES)
- SANITARY VENT PIPING

**MATERIAL SELECTION**
- TYPE L COPPER

**NOTES:**
- PROVIDE ALL DOMESTIC WATER SYSTEMS WITH ASTM B88 (ASTM B88M) PIPING, ASME B16.18 OR ASME B16.22 PIPE FITTINGS, SOLDER AND FLUX (IF USED) THAT COMPLY WITH NSF 61 AND NSF 372 FOR MAXIMUM LEAD CONTENT FOR COPPER PIPING INSTALLATIONS.
- PROVIDE ASTM D2564 SOLVENT FOR ANY PVC DRAIN PIPING.
- IN ALL CASES REFER TO PLUMBING SPECIFICATIONS.

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**BUILDING GAS LOAD SCHEDULE**

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>INPUT (BTU/HR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GF-1</td>
<td>60,000</td>
</tr>
<tr>
<td>MAU-1</td>
<td>600,000</td>
</tr>
<tr>
<td>UH-1</td>
<td>150,000</td>
</tr>
<tr>
<td>UH-2</td>
<td>30,000</td>
</tr>
<tr>
<td>IRH-1</td>
<td>60,000</td>
</tr>
<tr>
<td>IRH-2</td>
<td>60,000</td>
</tr>
<tr>
<td>IRH-3</td>
<td>125,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>1,085,000</strong></td>
</tr>
</tbody>
</table>

**NOTES**
- SITE ALTITUDE ABOVE SEA LEVEL: 8600 FT
- TABLE 402.4 (27) USED FOR PROPANE PIPE SIZING
- TOTAL DEVELOPED LENGTH: 174 FT
- GAS PRESSURE SUPPLIED BY TANK: 2 PSI
- MAX ALLOWABLE PRESSURE DROP: 1 PSI
<table>
<thead>
<tr>
<th>PLAN MARK</th>
<th>FIXTURE DESCRIPTION AND REMARKS</th>
<th>MINIMUM INDIVIDUAL LINE SIZES</th>
<th>PLAN MARK</th>
<th>FIXTURE DESCRIPTION AND REMARKS</th>
<th>MINIMUM INDIVIDUAL LINE SIZES</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEW-1</td>
<td>EMERGENCY EYE WASH: 304 STAINLESS STEEL BOWL, WITH CLEAR PLASTIC DUST COVER. 304 STAINLESS STEEL EYE WASH SPRAYER AND YOKE, WITH GENTLE FLOW PROVIDE WITH 304 STAINLESS STEEL PIPING AND 316 SS, STAY OPEN BALL VALVE WITH 316 STAINLESS STEEL ACTIVATION HANDLE. WATER MUST FLOW AT 3 GPM MIN FLOW RATE. AND DRAIN TO THE SANITARY SYSTEM. ACCEPTABLE MANUFACTURERS: BRADLEY (251240B12F8BP), SPEAKMAN, HAWS, CHICAGO FAUCET, WESTERN. ACCESSORIES: PROVIDE WITH AN ASSE 1071 RATED THERMOSTATIC MIXING VALVE SET TO 70°F MAX OUTLET TEMPERATURE ALLOWING DOWN TO 0.25 GPM. WITH INTEGRAL CHECK VALVES AND FILTER SCREEN. APPLICATION, ALLOWING DOWN TO 0.25 GPM. WITH INTEGRAL CHECK VALVES AND FILTER SCREEN.</td>
<td>1/2&quot; 1/2&quot; 1-1/4&quot; 1-1/4&quot; N/A</td>
<td>FS-1</td>
<td>FLOOR SINK - 8 INCH DEEP, CAST IRON BODY AND 12X12 SQUARE INCH AREA, HEEL-PROOF. PROVIDE WITH A HALF GRADE UNLESS OTHERWISE NOTED ON DRAWINGS. PROVIDE WITH TS-1. ACCEPTABLE MANUFACTURERS: JAY R. SMITH (3905), ZURN, WADE, OR JOSAM.</td>
<td>1/2&quot; 1/2&quot; 3&quot; 1-1/2&quot; N/A</td>
</tr>
<tr>
<td>L-1</td>
<td>LABORATORY-WALL HUNG, WHITE, VITREOUS CHINA, 20 INCH x 18 INCH, WITH 4 INCH CENTERS, CONCEALED ARM SUPPORTS, 4 INCH BACKSPLASH AND OVERFLOW MOUNTED AT ADA REQUIRED HEIGHT. ACCEPTABLE MANUFACTURERS: AMERICAN STANDARD (3035.012), KOHLER, ZURN, ELJER, CRANE, GERBER, TOTO. ACCESSORIES: PROVIDE DRAIN LINE WITH MIN. 17 GAUGE OFFSET GRID STRAINER AND TAILPIECE WITH MIN. 17 GAUGE P-TRAP WITH INTEGRAL CLEANOUT. PROVIDE WITH ADA TRAP STOP AND SUPPLY PROTECTORS IF UNDERCOUNTER PIPING IS EXPOSED. PROVIDE QUARTER TURN, SOLID BRASS, CHROME PLATED ANGLE STOPS WITH FLEXIBLE HOSE SUPPLIES AND CHROME PLATED WALL ELCUTECHES.</td>
<td>1/2&quot; 1/2&quot; 1-1/4&quot; 1-1/4&quot; N/A</td>
<td>PRV-1</td>
<td>PRESSURE REGULATING VALVE- LEAD FREE, PROVIDE WITH PRESSURE AND TEMPERATURE GAUGES AT OUTLET. ACCEPTABLE MANUFACTURERS: WATTS (7521A8-22), ZURN, BELL AND GOSSETT</td>
<td>1-1/2&quot; N/A N/A N/A N/A</td>
</tr>
<tr>
<td>RPB-1</td>
<td>REDUCED PRESSURE BACKFLOW PREVENTER - BRONZE SEATS AND STAINLESS STEEL TRIM. THE ASSEMBLY SHALL INCLUDE QUARTER TURN SHUT-OFF VALVES, TEST COCKS, AND WYE STRAINER. ACCEPTABLE MANUFACTURERS: WATTS (LF39305T).</td>
<td>1-1/2&quot; N/A N/A N/A N/A</td>
<td>RPB-1</td>
<td>REDUCED PRESSURE BACKFLOW PREVENTER - BRONZE SEATS AND STAINLESS STEEL TRIM. THE ASSEMBLY SHALL INCLUDE QUARTER TURN SHUT-OFF VALVES, TEST COCKS, AND WYE STRAINER. ACCEPTABLE MANUFACTURERS: WATTS (LF39305T).</td>
<td>1-1/2&quot; N/A N/A N/A N/A</td>
</tr>
<tr>
<td>RWB-1</td>
<td>RECESSED WALL BOX - 5 INCH x 6 INCH BOX CONSTRUCTED OF GALVANIZED STEEL WITH WHITE POWDER COAT FINISH. PROVIDE WITH QUARTER TURN, LOW LEAD COLD WATER SUPPLY CONNECTION AND INTEGRAL WATER HAMMER ARRESTOR. ACCEPTABLE MANUFACTURERS: OATEY (39146), GUY GRAY, PIP, OR EQUAL. ACCESSORIES: VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS. MOUNT IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.</td>
<td>N/A N/A N/A N/A N/A</td>
<td>RWB-1</td>
<td>RECESSED WALL BOX - 5 INCH x 6 INCH BOX CONSTRUCTED OF GALVANIZED STEEL WITH WHITE POWDER COAT FINISH. PROVIDE WITH QUARTER TURN, LOW LEAD COLD WATER SUPPLY CONNECTION AND INTEGRAL WATER HAMMER ARRESTOR. ACCEPTABLE MANUFACTURERS: OATEY (39146), GUY GRAY, PIP, OR EQUAL. ACCESSORIES: VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS. MOUNT IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.</td>
<td>N/A N/A N/A N/A N/A</td>
</tr>
<tr>
<td>SINK</td>
<td>SINK- ADA, COUNTER MOUNTED, SELF-RIMMING, 18 GAUGE 304 STAINLESS STEEL, 25 INCH x 21 INCH x 6-1/2 INCH DEEP, SINGLE COMPARTMENT, UNDERDECORATED WITH THREE HOLE DRILLINGS ON 4&quot; CENTERS. ACCEPTABLE MANUFACTURERS: ELKAY (LRASD2518DPS), JUST MFG. MOEN, AMERICAN STANDARD.</td>
<td>1/2&quot; 1/2&quot; 1-1/2&quot; 1-1/2&quot; N/A</td>
<td>TS-2</td>
<td>TRAP SEAL - ELASTOMIC MATERIAL WITH TORTUOUS PATH. ASSE 1872 COMPLIANT. ACCEPTABLE MANUFACTURERS: SURE SEAL (523005).</td>
<td>N/A N/A SEE DWGS N/A N/A</td>
</tr>
<tr>
<td>WC-1</td>
<td>WATER CLOSET- ADA, FLOOR MOUNTED WITH 12 INCH ROUND HORN, PRESSURE ASSISTED FLUSH TANK, PROVIDE WITH WHITE, VITREOUS CHINA, AND ELONGATED BOWL. UNIT SHALL FLUSH ON 1.0 GALLON OF WATER PER FLUSH AND MUST BE EPA WATER SENSE CERTIFIED WITH A MAXIMUM WATER USE OF 1.6 GALLONS PER FLUSH. ACCEPTABLE MANUFACTURERS: KOHLER (6351), AMERICAN STANDARD.</td>
<td>1-1/2&quot; N/A 3&quot; 3&quot; N/A</td>
<td>WC-1</td>
<td>WATER CLOSET - ADA, FLOOR MOUNTED WITH 12 INCH ROUND HORN, PRESSURE ASSISTED FLUSH TANK, PROVIDE WITH WHITE, VITREOUS CHINA, AND ELONGATED BOWL. UNIT SHALL FLUSH ON 1.0 GALLON OF WATER PER FLUSH AND MUST BE EPA WATER SENSE CERTIFIED WITH A MAXIMUM WATER USE OF 1.6 GALLONS PER FLUSH. ACCEPTABLE MANUFACTURERS: KOHLER (6351), AMERICAN STANDARD.</td>
<td>1-1/2&quot; N/A 3&quot; 3&quot; N/A</td>
</tr>
<tr>
<td>WPC-1</td>
<td>WALL CLEAN OUT - DUCO CAST IRON CLEANOUT TEE WITH GAS AND WATER TIGHT BRONZE PLUG, SMOOTH STAINLESS STEEL ACCESS COVER AND VANDAL PROOF SCREW. PROVIDE WITH A HALF GRADE UNLESS OTHERWISE NOTED ON DRAWINGS. PROVIDE WITH TS-1. ACCEPTABLE MANUFACTURERS: JAY R. SMITH (4255), ZURN.</td>
<td>N/A N/A N/A N/A</td>
<td>WH-1</td>
<td>WALL HYDRANT - CONCEALED, FREEZEPROOF WALL HYDRANT WITH HOSE CONNECTION AND BACKFLOW PREVENTER. ACCEPTABLE MANUFACTURERS: WOODFORD (867).</td>
<td>N/A N/A N/A N/A</td>
</tr>
</tbody>
</table>