**FIRE PROTECTION GENERAL NOTES**

**A.** All drawings and specifications of fire protection systems installed shall be drawn to scale.

**B.** All materials used shall be durable and shall be resistant to corrosion, wear, and other losses.

**C.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**D.** All work shall be performed in accordance with all applicable codes and standards.

**E.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**F.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**G.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**H.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**I.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**J.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**K.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**L.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**M.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**N.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**O.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**P.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**Q.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**R.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**S.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**T.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

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**V.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**W.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**X.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**Y.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**Z.** All work shall be performed in accordance with all applicable codes, laws, specifications, and standards.

**APPENDIX**: No portion of the contract drawings for resubmittal as shop drawings shall have been made without the authorization of Kaplan Gaunt DeSantis Architects and are invalid.

**DRAWINGS**: Shop drawings produced in such a manner will be returned to the design firm for appropriate action.

**NOTES**: Any portion of the contract drawings for resubmittal as shop drawings shall have been made without the authorization of Kaplan Gaunt DeSantis Architects and are invalid.

**SPECIFICATIONS**: Any portion of the contract drawings for resubmittal as shop drawings shall have been made without the authorization of Kaplan Gaunt DeSantis Architects and are invalid.

**ADDITIONS**: Any portion of the contract drawings for resubmittal as shop drawings shall have been made without the authorization of Kaplan Gaunt DeSantis Architects and are invalid.

**REVISIONS**: Any portion of the contract drawings for resubmittal as shop drawings shall have been made without the authorization of Kaplan Gaunt DeSantis Architects and are invalid.

**APPLICATIONS**: Any portion of the contract drawings for resubmittal as shop drawings shall have been made without the authorization of Kaplan Gaunt DeSantis Architects and are invalid.

**REFERENCES**: Any portion of the contract drawings for resubmittal as shop drawings shall have been made without the authorization of Kaplan Gaunt DeSantis Architects and are invalid.

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KEY NOTES

1. 2 1/2" HOSE VALVE, CAP AND CHAIN. MOUNT VALVE 4'-0" AFF.
2. OS&Y VALVE WITH TAMPER SWITCH.
3. 2" MAIN DRAIN, PENETRATE WALL 24" ABOVE WALKWAY WITH 45° TURN DOWN ELBOW. SEAL ANNULAR SPACE BETWEEN PIPE PENETRATION AND WALL WATERTIGHT WITH EXTERIOR SILICON SEALANT.
4. FLOOR ZONE CONTROL VALVE ASSEMBLY. SEE DETAIL FOR ADDITIONAL INFORMATION.
5. REMOVE EXISTING 4" BULK MAIN PIPING AND REPLACE WITH 6". NEW 6" UP TO FIRST FLOOR. FILL ANNULAR SPACE BETWEEN PIPE AND FLOOR WITH UL LISTED FIRE SEALANT.
6. CORE DRILL THRU EXISTING WALL. PROVIDE PIPE SLEEVE. SEE DETAIL FOR ADDITIONAL INFORMATION.
7. CONTRACTOR SHALL VERIFY CAPACITY OF EXISTING FIRE PUMP TO ACCOMMODATE DESIGNATED HAZARD CLASSIFICATIONS BASED UPON HYDRAULIC CALCULATIONS AND PROVIDE SUPPORTING CALCULATIONS TO ENGINEER.
8. 2 1/2" HOSE VALVE, CAP AND CHAIN INSIDE POTTER ROEMER MODEL 1812-A SEMI-RECESSED CABINET WITH GLASS DOOR. MOUNT VALVE 4'-0" AFF.
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

KEY NOTES
1. 2 1/2" HOSE VALVE, CAP AND CHAIN MOUNT VALVE 4'-0" AFF.
2. FLOOR ZONE CONTROL VALVE ASSEMBLY. SEE DETAIL FOR ADDITIONAL INFORMATION.
3. 2 1/2" HOSE VALVE, CAP AND CHAIN MOUNT VALVE 4'-0" AFF.
4. PROVIDE SIDEWALL SPRINKLERS BENEATH GLASS CEILING TO PROVIDE COMPLETE COVER TO GLASS SURFACE AND SURROUNDING AREAS.
5. SPRINKLER HEADS AND PIPING SHALL BE LOCATED ABOVE CEILING GRID SYSTEM IN ROOMS 115 AND 116 CEILINGS.

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THIRD FLOOR PLAN

KEY NOTES:
1. 2 1/2" HOSE VALVE, CAP AND CHAIN, MOUNT VALUE 4'-0" AFF.
2. FLOOR ZONE CONTROL VALVE ASSEMBLY, SEE DETAIL FOR ADDITIONAL INFORMATION.
3. 2 1/2" HOSE VALVE, CAP AND CHAIN MOUNTED 4'-0" AFF. IN POTTER ROEMER 1812-A SEMI-RECESSED CABINET WITH GLASS DOOR.
4. SPRINKLER AND PIPING SHALL BE LOCATED ABOVE CEILING GRID SYSTEM IN ROOMS 309 AND 310. THE PIPING SHALL BE PAINTED THE SAME COLOR AS THE CEILING.

NOTE:
SEE DESIGN CRITERIA ON DRAWING FP1.0 FOR ALL AREAS NOT INDICATED.

OCCUPANCY: EXTRA HAZARD GROUP 1
DENSITY: 0.30 GPM/SQ FT
DESIGN AREA: 221 SQ FT
MAX AREA PER SPRINKLER: 100 SQ FT
HOSE ALLOWANCE: 500 GPM
SPRINKLERS: UPRIGHT QUICK RESPONSE

OCCUPANCY: ORDINARY HAZARD GROUP 2
MISCELLANEOUS STORAGE
DENSITY: 0.20 GPM/SQ FT
DESIGN AREA: 1500 SQ FT
MAX AREA PER SPRINKLER: 130 SQ FT
HOSE ALLOWANCE: 250 GPM
SPRINKLERS: UPRIGHT QUICK RESPONSE

2.1.18
2010-18
BID SET
PLUMBING FIXTURE SCHEDULE

**COMPONENTS, BRACKETS, AND SUPPORTS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM**

- PROHIBITED. DUE TO INHERENT ERRORS IN REPRODUCTION METHODS, ERRORS MAY OCCUR WHEN SCALING THIS DRAWING.

**REGIONAL OFFICES**

- Corporate Office

**COMPANY**

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SECOND FLOOR PLAN

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

KEY NOTES

- CONNECT DISHWASHER DISCHARGE HOSE TO SINK TAILPIECE. HOSE SHALL BE LOOPED TO UNDERSIDE OF COUNTER.
- CONNECT 1/2" HW TO SINK HW SUPPLY. PROVIDE SEPARATE SHUT OFF VALVE FOR DISHWASHER.
- ALL PIPING IN PAINT SHOP FABRICATION ROOM 116 SHALL BE INSTALLED ABOVE THE GRID SYSTEM.

SEE ENLARGED PLANS FOR INFORMATION IN THIS AREA.
KEY NOTES

1. CONNECT DISHWASHER DISCHARGE HOSE TO SINK TAILPIECE. HOSE SHALL BE LOOPED TO UNDERSIDE OF COUNTER. CONNECT 1/2" HW TO SINK HW SUPPLY. PROVIDE SEPARATE SHUT OFF VALVE FOR DISHWASHER.

2. LOCATE FD-4 TIGHT TO DYE ROOM WALL. COORDINATE LOCATION SO THAT IT IS NOT BELOW HVAC CONTROLS. SEE MECHANICAL DRAWINGS.

3. PROVIDE CLEANOUT AT BASE OF OFFSET.

4. ROOF HYDRANT DRAIN. EXTEND 3/4" TYPE "L" COPPER DRAIN TO FD-4. SLOPE PIPE 1/4" PER FOOT. DROP DOWN ALONG SURFACE OF WALL AND SPILL INTO FD-4 WITH CODE REQUIRED AIR GAP. COORDINATE DROP LOCATION WITH HVAC CONTROLS. SEE MECHANICAL DRAWINGS.

5. CONTRACTOR SHALL TAKE PRESSURE READING FOR EXISTING GAS PRESSURE TO PROPERLY SELECT REGULATOR SPRING RATES.

6. REGULATORS SHALL BE EQUIMETER OR ENGINEER APPROVED EQUAL LOCK UP REGULATOR. EXTEND REGULATOR VENT TO THE OUTDOORS PER GAS COMPANY AND INTERNATIONAL FUEL GAS CODE REQUIREMENTS. CONFIRM WITH GAS COMPANY DELIVERY GAS PRESSURE. SET OUTLET PRESSURE OF REGULATOR TO 7" WC. INSTALL REGULATOR PER MANUFACTURER'S REQUIREMENTS.
KEY NOTES

1. PROVIDE PIPE SUPPORTS AT ALL DIRECTION CHANGES AND STRAIGHT RUNS IN CONFORMITY WITH CODE REQUIREMENTS. SUPPORTS SHALL BE LOCATED PER TABLE 415.1 OF IFGC, LATEST ADOPTED EDITION, FOR MATERIALS AND LISTED PIPE SIZES. SUPPORTS SHALL BE SADDLE BLOCK ROLLER TYPE WITH PIPE SECURED TO STAND WITH CLAMP OR METAL BAND. SUPPORT IS NOT SECURED TO ROOF SURFACE.

2. BOTTOM OF PIPING SHALL BE MINIMUM 3 1/2" ABOVE ROOF SURFACE.

3. CONTRACTOR SHALL TAKE PRESSURE READING FOR GAS PRESSURE TO PROPERLY SELECT REGULATOR SPRING RATES. REGULATORS SHALL BE EQUIMETER OR ENGINEER APPROVED EQUAL. PROVIDE WITH VENT PROTECTOR. VENTS TO BE LOCATED MINIMUM 10'-0" AWAY FROM ALL OUTSIDE AIR INTAKES. REFER TO MECHANICAL DRAWINGS FOR HVAC EQUIPMENT GAS PRESSURE REQUIREMENTS.

4. FIELD VERIFY SIZE AND LOCATION OF UNIT GAS CONNECTION AND PROVIDE TRANSITION FITTINGS AS REQUIRED.

5. CLEAN, PRIME AND PAINT ALL EXTERIOR GAS PIPING WITH TWO COATS MARINE GRADE RUST RESISTANT PAINT. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

6. PROVIDE & INSTALL ROOF PORTAL. PATE CO OR EQUAL. PROVIDE SEPARATE BOOT FOR EACH PIPE. PROVIDE ADDITIONAL BOOTS FOR ELECTRICAL POWER AND CONTROL CONDUITS. DO NOT PASS MORE THAN (1) PIPE THRU EACH NIPPLE TO FACILITATE PROPER SEALING.
KEY NOTES

1. WALL MOUNTED COMPRESSED AIR STATION. SEE DETAIL FOR ADDITIONAL INFORMATION.
2. PULL DOWN HOSE REEL REGULATOR, DESSICANT, DRYER AND FILTER STATION. SEE DETAIL FOR ADDITIONAL INFORMATION.
3. PIPE ATTACHED TO WALL WITH BRACKET AND SUPPORTS AS REQUIRED.
4. 2" CA VALVED AND CAPPED FOR FUTURE EXPANSION INTO EXISTING BUILDING.
5. ATTACH HOSE REEL TO UNDERSIDE OF CATWALK.
6. 1" AIR - CONNECT TO SPRAY BOOTH EQUIPMENT. FIELD VERIFY EXACT LOCATION AND SIZE REQUIRED.
7. COORDINATE AIR & ELECTRIC HOSE REEL LOCATIONS TO PREVENT TANGLING.

Piping Located Below Catwalk
TYPICAL

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KEY NOTES
- WALL MOUNTED COMPRESSED AIR STATION. SEE DETAIL ON FIRST FLOOR PLAN FOR ADDITIONAL INFORMATION.
- 2" CA DN TO A-1 & A-2. PROVIDE MANIFOLD AND ALL COMPONENTS REQUIRED PER MANUFACTURER’S INSTRUCTIONS AND INSTALLATION REQUIREMENTS.
SANITARY RISER

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