

PLUMBING NOTES BY SYMBOL " " ○

FIRE SPRINKLER NOTES

FIRE SPRINKLER LINES AND SPRINKLER HEADS SHALL BE RELOCATED/ADJUSTED/INSTALLED AS REQUIRED BY A LICENSED FIRE SPRINKLER CONTRACTOR.

FIRE SUPPRESSION SYSTEM IN PAINT BOOTHS TO BE BY FIRE SPRINKLER CONTRACTOR. COORDINATE WITH PAINT BOOTH SUPPLIER.

FIRE SPRINKLER HEADS LOCATED INSIDE PAINT BOOTH ARE TO BE HIGH TEMP RATED. FIRE SUPPRESSION CONTRACTOR/PROVIDER SHALL COORDINATE FINAL TEMPERATURE REQUIREMENTS OF PAINT BOOTHS IN FIELD WITH PAINT BOOTH SUPPLIER.

FIRE SPRINKLER DRAIN SHALL NOT DRAIN TO THE FRONT BUILDING ELEVATION, NO EXCEPTIONS.

COMPRESSED AIR LINE NOTE

ALL COMPRESSED AIR PIPING TO BE TYPE 'L' COPPER.

- WATER HEATER TO BE MOUNTED ON PLATFORM FROM ADJACENT WALL ABOVE SERVICE SINK IN LOCATION SHOWN. REFERENCE PD 2/08 FOR DETAIL.
- PROVIDE NEW 1/2" DCW LINE DOWN IN WALL TO GUY GRAY WATER VALVE BOX (CB-1) PROVIDE BFP PRIOR TO CB-1 EQUAL TO ZURN 700XL-CH. PROVIDE 1/4" TUBING FROM CB-1 FOR CONNECTION TO APPLIANCE.
- PROVIDE NEW 1/2" DCW DOWN IN WALL TO SHUT OFF VALVE LOCATED UNDER COUNTER. PROVIDE BFP FROM SHUT-OFF VALVE EQUAL TO ZURN 700XL-CH. PROVIDE 1/4" TUBING FROM BFP UP THROUGH COUNTER TO CONNECTION TO APPLIANCE. FIELD LOCATE WITH EQUIPMENT.
- CONTRACTOR TO PROVIDE NEW GAS METER. CONTRACTOR SHALL COORDINATE SERVICE WITH GAS COMPANY. REFER TO ARCHITECTURAL SITE PLAN FOR EXACT LOCATION OF NEW METER.
- 1-1/2" DOMESTIC WATER LINE IN FROM CITY MAIN. REFERENCE UNDER SLAB PLAN SHEET P2.01 FOR CONTINUATION.
- 3/4" DOMESTIC COLD WATER LINE DOWN IN WALL TO NON-FREEZE HOSE BIB. CONFIRM FINAL HOSE BIB MOUNTING ELEVATION WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
- LOW PRESSURE GAS LINE DOWN FROM ROOF HEIGHT TO WASH BAY. CONTRACTOR TO CONFIRM ALL PIPING MOUNTING HEIGHTS WITH WASH BAY IN FIELD. CONTRACTOR SHALL CONFIRM PIPING IS ROUTED AT AN ELEVATION HIGH ENOUGH TO ENSURE VEHICLES DO NOT COLLIDE WITH PIPING. CONTRACTOR SHALL ROUTE GAS PIPING SLEEVED DOWN THROUGH BUILDING TO WASH BAY ELEVATION PER DETAIL 04/PO.3.
- CONTRACTOR TO ROUTE 1" GAS LINE DOWN THROUGH ROOF TO PAINT BOOTHS HEATERS. CONTRACTOR TO PROVIDE GAS TRAIN, INCLUDING BUT NOT LIMITED TO, GAS COCK, UNION

- 8 DIRT LEG. CONTRACTOR TO PROVIDE GAS REGULATOR PER MANUFACTURERS RECOMMENDATIONS. ALL REGULATORS LOCATED INDOORS ARE TO BE VENTED TO EXTERIOR OR RATED FOR INDOOR USE.
- CONTRACTOR SHALL FIELD COORDINATE ALL GAS PIPING CONNECTIONS OF PAINT BOOTH WITH PAINT BOOTH SUPPLIER IN FIELD.
- 2" GAS LINE FROM NEW METER AT PROPERTY LINE AND UP FROM BELOW GRADE AT LOCATION SHOWN. CONTRACTOR TO SET NEW METER AND PAY FOR ALL ASSOCIATED METER FEES. ROUTE GAS LINE UP EXTERIOR WALL TO ROOF HEIGHT. PENETRATE WALL AND ROUTE GAS PIPING TO BOTTOM OF STRUCTURE.
- NEW AIR COMPRESSOR PROVIDED BY OTHERS. CONTRACTOR SHALL COORDINATE FINAL SIZE AND REQUIRED CAPACITY WITH MANUFACTURER/DISTRIBUTOR. PLUMBING CONTRACTOR TO COORDINATE FINAL EQUIPMENT LOCATION IN EQUIPMENT YARD WITH EQUIPMENT SUPPLIER. CONTRACTOR TO PROVIDE ALL FINAL CONNECTIONS TO AIR COMPRESSORS IN FIELD.
- 3" VENTS UP IN WALL FROM SAND/OIL TRAP INTERCEPTOR AND SAMPLE WELL BELOW GRADE. CONTRACTOR TO TIE VENTS TOGETHER AND ROUTE VENT UP IN WALL AS A SINGLE 4" VENT. VENT TO BE ROUTED OUT FROM BUILDING EDGE TO VTR. REFERENCE SHEET P2.0 FOR CONTINUATION BELOW GRADE. CONTRACTOR TO PROVIDE CLEAN OUT AS REQUIRED.
- 3/4" COMPRESSED AIR LINE DOWN TO SERVE EACH CORD REEL. PROVIDE SHUT-OFF VALVE ON LINE TO EACH OUTLET. LOCATE SHUT-OFF VALVE ABOVE CORD REEL ON COLUMN. CONTRACTOR TO COORDINATE MOUNTING HEIGHT WITH OWNER/ARCHITECT PRIOR TO INSTALLATION. COORDINATE FINAL LOCATION OF DROP IN FIELD WITH EQUIPMENT. REFERENCE P.09/05 FOR DETAILS.

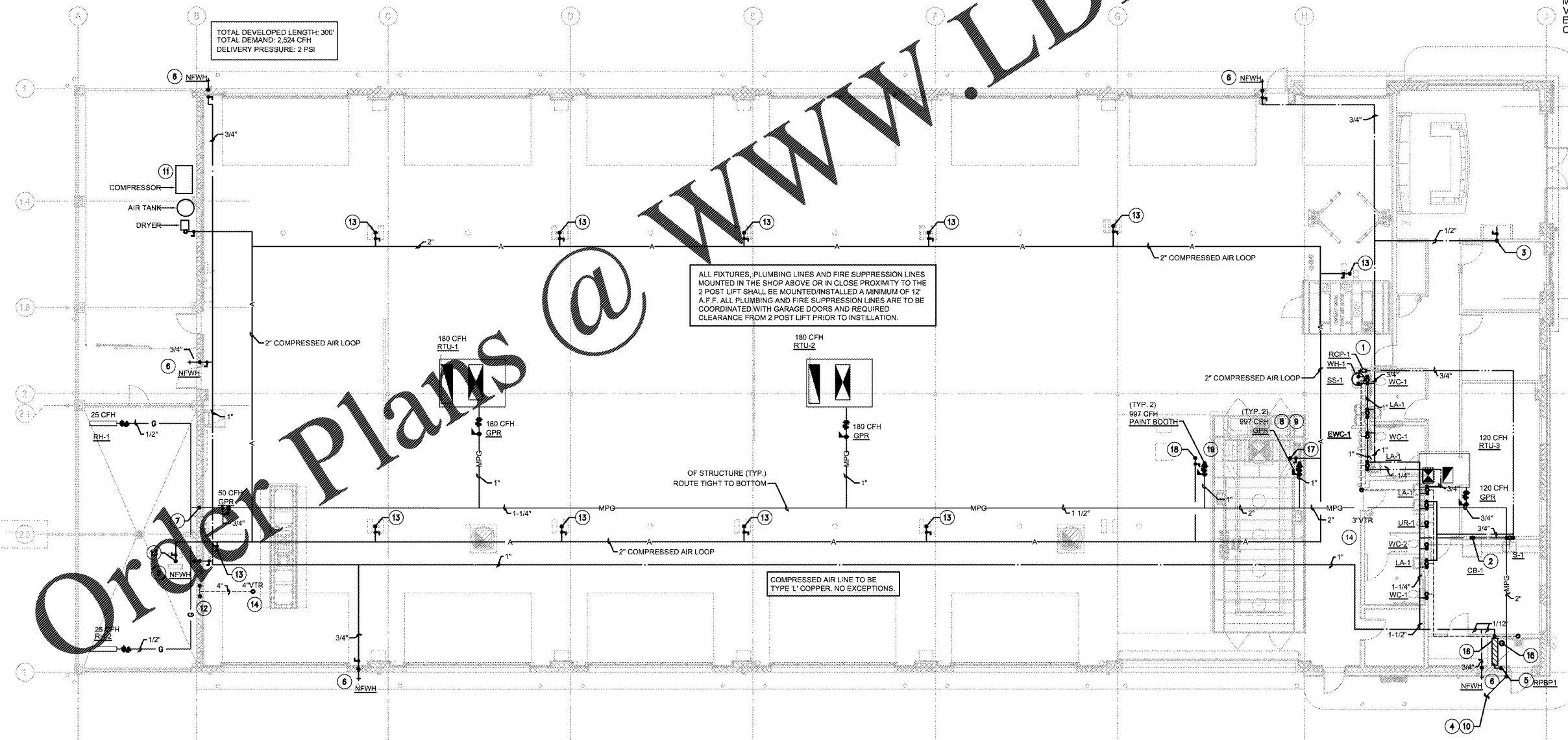
- CONTRACTOR TO ENSURE VENT THROUGH ROOF IS LOCATED A MINIMUM OF 10' FROM ALL FRESH AIR INTAKES.
- 6" WATER SUPPLY UP FROM BELOW SLAB. 6" FIRE RISER, REFERENCE SHEET P0.3/01 FOR FIRE RISER DETAIL.
- CONTRACTOR IS TO PROVIDE WALL MOUNTED RPZ BACK FLOW PREVENTION DEVICE. MOUNT BFP ON WALL IN FIRE RISER ROOM. ROUTE DRAIN LINE FROM RPZ AROUND IN WALL TO FLOOR SINK.
- COMPRESSED AIR LINE DOWN TO SERVE PAINT BOOTH/PREPARATION BOOTH. COORDINATE EXACT FINAL LOCATION WITH EQUIPMENT/EQUIPMENT PROVIDER IN FIELD.
- COMPRESSED AIR LINE DOWN TO SERVE FUTURE PAINT BOOTH/PREPARATION BOOTH CAP AND VALVE.
- CONTRACTOR TO ROUTE 1" GAS LINE FOR FUTURE PAINT BOOTH HEATER, CAP AND VALVE.

GAS CONNECTION SCHEDULE			
MARK	APPLIANCE	LOCATION	LOAD (MBH)
RTU-1	ROOF TOP UNIT	ROOF	180
RTU-2	ROOF TOP UNIT	ROOF	180
RTU-3	ROOF TOP UNIT	ROOF	120
PAINT BOOTH	PAINT BOOTH	SHOP	1894
RH-1	RADIANT HEATER	DETAIL BAY	25
RH-2	RADIANT HEATER	DETAIL BAY	25
TOTAL GAS LOAD			2524

REMARKS

- NATURAL GAS SYSTEM DESIGN BASED ON IFGC 2011, TABLE 402.4(5) SCHEDULE 40 METALLIC PIPE, INLET PRESSURE 2 PSI. PRESSURE DROP: 1.0 PSI. SPECIFIC GRAVITY: 0.6. USE LONGEST LENGTH METHOD, PROJECTED EFFORTIVE EQUIVALENT LENGTH APPROX. 300 FT. FIELD VERIFY ACTUAL DISTANCE.
- PROVIDE SHUT-OFF VALVE, DIRT LEG, PRESSURE RELIEF CONNECTION, REDUCER, REQUIRED FLEX HOSE FOR EACH APPLIANCE CONNECTION. FIELD VERIFY ACTUAL APPLIANCE INSTALLATION INSTRUCTIONS.
- FIELD VERIFY SITE GAS LINE LOCATION, SERVICE PRESSURE & SIZE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, PERMITS AND TESTS ASSOCIATED WITH NEW GAS SERVICE.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DUSTIN M. VOGT, PE ON 08-19-2020 USING A DIGITAL SIGNATURE. PRINTED COPIES ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



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

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NO.	DATE	BY	DESCRIPTION
1	2007/02	OLS	2008/13
2	2007/02	OLS	2008/13

PLUMBING FLOOR PLAN

FILE NAME: 192006
DRAWN BY: BPH
DATE: 08/19/2020
REVIEWED BY: MS

P2.1