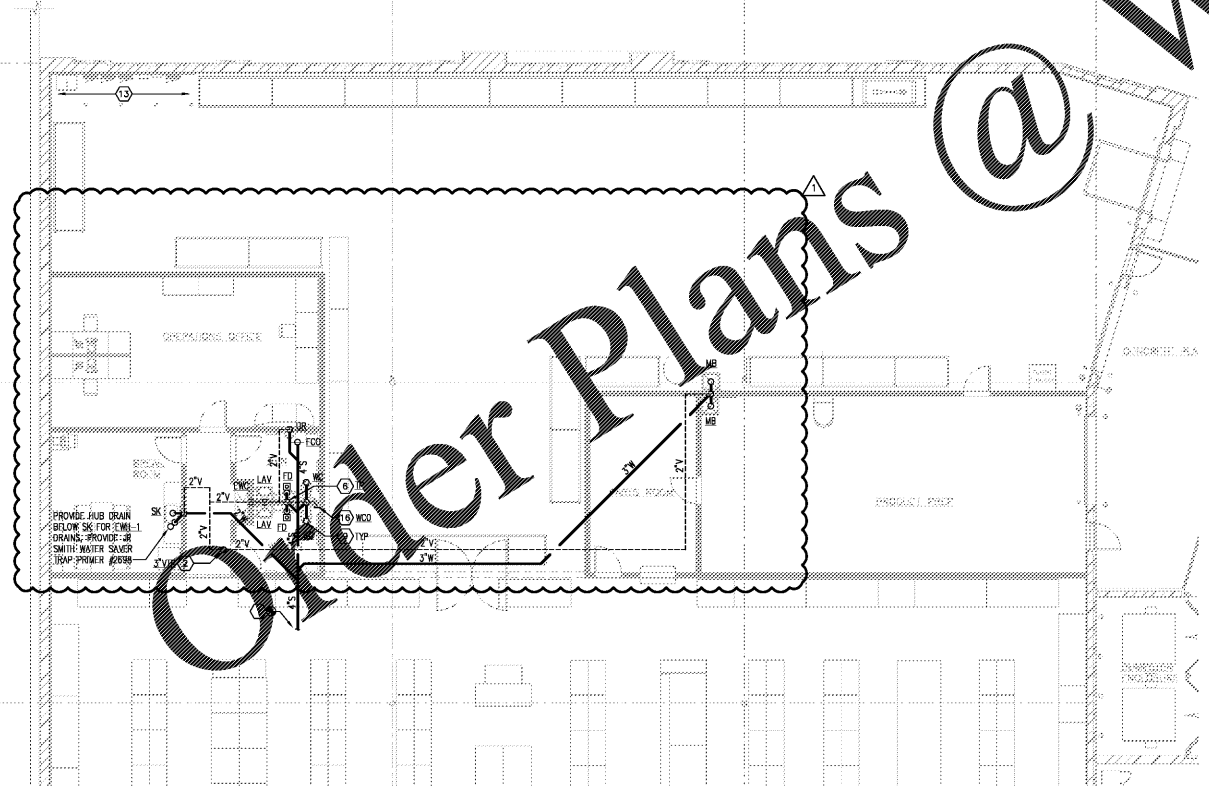


1 PLUMBING PLAN - WATER
1/8" = 1'-0"



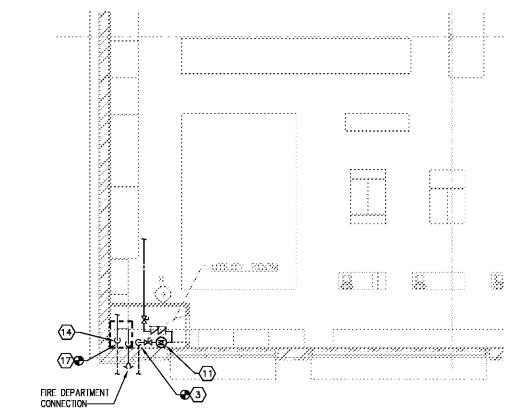
2 PLUMBING PLAN - WASTE & VENT
1/8" = 1'-0"

PLUMBING KEYNOTES

- PLUMBING CONTRACTOR TO EXTEND A 4" SANITARY SEWER AND CONNECT TO STUB 5' OUTSIDE BUILDING AND CONTINUE INSTALLATION AS SHOWN. FIELD COORDINATE WITH CIVIL PLANS FOR STUB LOCATIONS. PLUMBING CONVEY TO BE ON SITE DURING FOUNDATION POUR FOR LOCATING SLEEVE.
- PLUMBING CONTRACTOR TO EXTEND A NEW 3" VENT THRU ROOF. COORDINATE ALL ROOF PENETRATIONS WITH APPROVED ROOFING CONTRACTOR. FIELD VERIFY LOCATION WITH ROOFING UNIT FRESH AIR INTAKE TO MAINTAIN A MINIMUM OF 10' SEPARATION PER LOCAL CODE. REFER TO RISER DIAGRAM AND PLUMBING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 2" DOMESTIC SERVICE BY SITE UTILITY CONTRACTOR. PROVIDE THRUST BLOCK PER LOCAL UTILITY REQUIREMENTS. SEE CIVIL PLANS FOR STUB-UP LOCATIONS. SEE STRUCTURAL FOR SLEEVE DETAILS THRU FOUNDATION. FURNISH/INSTALL VERTICAL RPZ BACKFLOW PREVENTER IN-LINE.
- FURNISH AND INSTALL WATER HEATER ON ANGLE IRON STAND FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR. SUPPORT FROM WALL ABOVE. PROVIDE A 6" DEEP DRAIN PAN. EXTEND DRAIN PAN AND TEMPERATURE AND PRESSURE RELIEF SEPARATELY. TERMINATE WITH AIR GAP PER LOCAL CODE. SEE DETAIL 1/P300.
- FURNISH AND INSTALL FROST PROOF HOSE BIB AT EXTERIOR WALL AT 18" AFF. MOUNT SHUT-OFF VALVE AT 10'-0" A.F.F. COORDINATE EXACT LOCATION WITH N.T.E. CONSTRUCTION PROJECT MANAGER. COORDINATE INSTALLATION WITH ELECTRICAL RECEPTACLES. DO NOT INSTALL HOSE BIB ABOVE ELECTRICAL RECEPTACLES.
- FURNISH AND INSTALL 1/2" TRAP PRIMER VALVE ABOVE CEILING PER LOCAL CODE. SLEEVE COLD WATER LINE BELOW SLAB IN PVC SLEEVE. SEE DETAIL 5/300.
- FURNISH AND INSTALL WATER HAMMER ARRESTERS IN THE DOMESTIC COLD WATER PIPING AS SHOWN. WATER HAMMER ARRESTERS TO BE LOCATED IN AN ACCESSIBLE LOCATION.
- ALL PLUMBING FIXTURES SHALL BE INSTALLED WITH STOP VALVES TO ISOLATE EACH FIXTURE. REFER TO PLUMBING SPECIFICATIONS FOR FURTHER INFORMATION.
- THE PLUMBING CONTRACTOR MUST WATER JET ALL WASTE LINES IN THE SPACE PRIOR TO INSTALLING THE TOILETS.
- FURNISH AND INSTALL ASSE 1070 POINT-OF-USE THERMOSTATIC MIXING VALVE UNDER SINK. PIPE TO EACH HAND SINK PER MANUFACTURERS INSTALLATION INSTRUCTIONS. SET TEMPERATURE TO 110 DEG F.
- 2" DOMESTIC SERVICE WATER METER AND VERTICAL BACKFLOW PREVENTER BY PLUMBING CONTRACTOR PER LOCAL REQUIREMENTS. REFER TO CIVIL PLANS FOR STUB-UP LOCATIONS.
- NOT USED.
- DO NOT ROUTE PIPING OVER ELECTRICAL SWITCHGEAR AND/OR OPERATIONS OFFICE. FIELD VERIFY PRIOR TO INSTALLATION.
- VERTICAL FIRE SERVICE BACKFLOW PREVENTER VALVE ASSEMBLY PER FIRE MARSHAL REQUIREMENTS. SEE DETAIL 4/P100. AVOID CONFLICT.
- ROUTE ALL NEW HORIZONTAL COPER WATER LINES AS HIGH AS POSSIBLE THRU BAR JOISTS WITH INSULATION WITH ASJ COVERING. COLOR TO BE WHITE. ALL WATER LINES TO BE COPPER AND INSULATED. NO EXCEPTIONS.
- PROVIDE FULL SIZE 4" WALL CLEANOUT OFF OF WATER CLOSET WASTE BRANCH. FACILITATE SINKING OUT OF SANITARY SEWER FROM WATER CLOSET TO SANITARY MAIN. CONTRACTOR TO ENSURE CLEAR ACCESS BETWEEN TOILET AND SIDEWALL FOR SERVICE. ALTERNATE WALL CLEANOUT CAN BE MOUNTED ABOVE THE TOP OF THE TOILET TO ENSURE PROPER SERVICE. NO EXCEPTIONS.
- 6" FIRE PROTECTION SERVICE BY SITE UTILITY CONTRACTOR. SEE DETAIL 3/P100. EXTENDING HIGH IN SPACE, BELOW STRUCTURE, TO FDC AT FRONT OF BUILDING. SEE CIVIL PLANS FOR STUB-UP LOCATIONS. SEE STRUCTURAL FOR SLEEVE DETAILS THRU FOUNDATION. REFER TO FIRE PROTECTION DESIGN DRAWINGS FURNISHED BY FIRE PROTECTION CONTRACTOR.

GENERAL NOTES

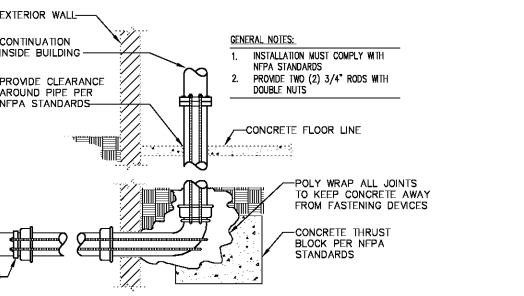
- CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS, SPECIFICATIONS AND EXISTING CONDITIONS. BIDDING PURPOSES. FAILURE TO ACQUAINT THEMSELVES WITH THIS INFORMATION DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THEIR WORK.
- NOT ALL EXISTING EQUIPMENT, PIPING, DUCTWORK, ETC. IS SHOWN ON THE PLANS. ALL EXISTING EQUIPMENT AND PIPING SHOWN DOES NOT REFLECT ALL OFFSETS, LENGTHS AND LOCATIONS. CONTRACTOR SHALL FIELD VERIFY ALL EQUIPMENT AND PIPING TO BE REMOVED AND/OR CONNECTED TO NEW WORK.
- FIELD VERIFY LOCATIONS AND QUANTITY OF ALL EXISTING EQUIPMENT, FIXTURES, DUCTWORK AND PIPING NECESSARY TO COMPLETE SCOPE OF WORK.
- CONCRETE CUTS SHALL BE STRAIGHT AND CLEAN. REPLACE SLAB WITH CONCRETE FLUSH AND SMOOTH WITH ADJACENT.
- WASTE & VENT PIPING BELOW GRADE AND THRU FLOOR SHALL BE 2" MINIMUM.
- FIELD VERIFY SIZE, LOCATION & INVERT ELEVATION OF EXISTING SANITARY SEWER.
- PITCH ALL UNDERFLOOR SANITARY WASTE PIPING 4" AND GREATER AT 1/8" PER FOOT. ALL OTHER BELOW GRADE PIPING SLOPED AT 1/4" PER FOOT.
- CLEANOUTS MUST BE INSTALLED WHERE SHOWN ON PLANS AND ADDITIONAL CLEANOUTS WHERE REQUIRED BY CODE.
- REFER TO WASTE RISER 6/P300 FOR ADDITIONAL SIZES AND NOTES.
- PLUMBING CONTRACTOR SHALL PROVIDE CROSS CONNECTION CONTROL PER IPC 603.
- WASTE AND VENT PIPING IN PLENUM CEILING SPACES TO BE CAST IRON NO HUB, SEE SPECIFICATIONS.
- COORDINATE ROUTING OF WATER, VENT, WASTE AND STORM PIPING WITH STRUCTURE, CEILING ELEVATION, ELECTRICAL SWITCHGEAR, DUCTWORK, LIGHTS, SPRINKLER PIPING AND ALL OTHER TRADES.
- MATERIAL EXPOSED WITHIN RETURN AIR PLENUM CEILINGS SHALL COMPLY WITH IMC SECTION 602.2.
- PLUMBING SUBCONTRACTOR SHALL BE RESPONSIBLE FOR TESTED & RATED FIRE STOP SYSTEMS FOR ALL THRU-PENETRATION OF WALLS, FLOORS & ROOF ASSEMBLIES RESULTING FROM PIPING & OTHER WORK UNDER HIS CONTRACT. REFER TO FIRESTOPPING SPEC SECTION FOR REQUIREMENTS.
- ALL INSTALLATIONS, EQUIPMENT AND MATERIAL SHALL COMPLY WITH ALL APPLICABLE CODES.
- ALL HOT AND COLD WATER PIPING SHALL BE INSULATED WITH FIBERGLASS INSULATION WITH ASJ COVER. COLD WATER PIPING TO HAVE CONTINUOUS VAPOR BARRIER. COLOR TO BE WHITE.



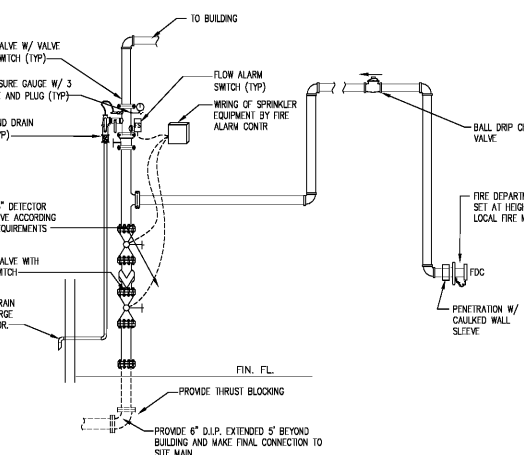
5 WATER SERVICE ENTRANCE - PART PLAN
1/8" = 1'-0"

FIRE PROTECTION NOTES

- SPRINKLER HEADS MUST BE CENTERED IN CEILING TILE.
- SEE SPECIFICATIONS FOR HEAD STYLES.
- ALL HEADS ARE QUICK RESPONSE.
- FIRE PROTECTION DESIGNER SHALL ROUTE SPRINKLER PIPING TO MINIMIZE DRAIN LOCATION. DRAINS ARE NOT ALLOWED ON THE FRONT FACE OF THE BUILDING.
- SPRINKLER CONTRACTOR SHALL COORDINATE WITH ELECTRICAL & MECHANICAL TO AVOID CONFLICT. VERIFY PIPE ROUTING & HEAD LOCATIONS BEFORE INSTALLATION. LOCATIONS OF LIGHT FIXTURES TAKE PRECEDENCE OVER SPRINKLER HEADS AND SPRINKLER PIPING. HEADS INSTALLED IN FIXTURE LOCATIONS OR SPRINKLER PIPING INTERFERING WITH FIXTURE LOCATIONS WILL BE RELOCATED AT SPRINKLER CONTRACTORS EXPENSE.
- SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR TESTED & RATED FIRE STOP SYSTEMS FOR ALL THRU-PENETRATION OF FIRE RATED WALLS, FLOORS & ROOF ASSEMBLIES RESULTING FROM PIPING & OTHER WORK UNDER HIS CONTRACT.
- ALL EXPOSED SPRINKLER PIPING SHALL BE PAINTED BY PAINTING CONTRACTOR. COLOR TO BE WHITE.
- SPRINKLER HEADS LOCATED IN SOFFITS AND DROPPED CEILING TILE SHALL BE CONCEALED WITH COVERS. COVER COLOR TO BE WHITE. VERIFY FINAL COLOR WITH TENANT. CONTRACTOR SHALL PERFORM CALCULATIONS AND LOCATE HEADS WHERE REQUIRED. COORDINATE WITH ARCHITECTURAL CEILING PLANS FOR SOFFIT ELEVATIONS. SOFFIT ELEVATIONS MAY DIFFER FROM LAYOUT CEILING ELEVATION.
- SPRINKLER PLANS AND ARTICLES OF SPECIFICATIONS HAVE BEEN DEVELOPED TO MEET ALL NFPA-13 AND LOCAL FIRE MARSHALS REQUIREMENTS. CONTRACTOR SHALL BE REQUIRED TO OBTAIN SIGNED DESIGN DRAWINGS COMPLETED BY CERTIFIED FIRE SPRINKLER DESIGNER. SIGNED COPIES OF HYDRAULIC CALCULATIONS, PLANS AND SHOP DRAWINGS SHALL BE SUBMITTED TO STATE FIRE MARSHALS OFFICE OR LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW & APPROVAL. APPROVAL OF STATE FIRE MARSHALS OFFICE OR LOCAL AUTHORITY HAVING JURISDICTION IS REQUIRED FOR REVIEW & APPROVAL BEFORE SPRINKLER PIPING IS FABRICATED. CHANGE TO THE SPECIFICATION IS AT THE COST OF THE SPRINKLER CONTRACTOR. CONTRACTOR SHALL VERIFY ALL HEADS ARE NOT DEFECTIVE, DAMAGED, PAINTED OVER, AND/OR UNDER A MANUFACTURER/INDUSTRY RECALL. IF SO, REPLACE AS REQUIRED.
- INSPECTION TEST POINTS MUST BE LOCATED ON THE REAR FACE OF THE BUILDING. NO EXCEPTIONS.
- CONTRACTOR RESPONSIBLE FOR PROVIDING NEW BUILDING SPRINKLER SYSTEM, INCLUSIVE OF ANY REQUIRED DEVICES, CALCULATIONS, ADDITIONS, EQUIPMENT, LABOR, PERMITTING, SHOP DRAWINGS, ETC. AS REQUIRED TO MEET THE SYSTEM TO CURRENT CODES AND/OR BY LOCAL AUTHORITIES.
- AT ALL NORTH-FACING ROOF SPACES, ALL HORIZONTAL MAINS AND/OR BRANCH LINES SHALL BE TIGHT TO THE BAR-SCISS. ALL RISERS/HEADS SHALL BE UP-TURNED AT ALL ROOMS/AREAS SCHEDULED FOR EXPOSED STRUCTURAL CEILING. MODIFY SPRINKLER PIPING/SYSTEM AS NECESSARY FOR TYPICAL INSTALLATION OVER ROOFS WITH SUSPENDED CEILINGS.
- SPRINKLER CONTRACTOR SHALL VERIFY THE EXISTING HEADS ARE SUITABLE FOR COVERAGES/REQUIREMENTS OF ROOMS & USAGE. REPLACE AS REQUIRED.
- SPRINKLER CONTRACTOR SHALL VERIFY ALL HEADS ARE NOT DEFECTIVE, DAMAGED, PAINTED OVER, AND/OR UNDER A MANUFACTURER/INDUSTRY RECALL. IF SO, REPLACE AS REQUIRED.
- INSTALL / MODIFY THE SPRINKLER, PIPING, ETC. AS NECESSARY AT OH DOORS, RTU'S / CONCRETE DROP DIFFUSERS, AND/OR ALL OBSTRUCTIONS PER CODE.
- THE SPRINKLER CONTRACTOR SHALL INCLUDE/PROVIDE SEPARATE TAMPER/FLOW SWITCHES AT FIRE RISER FOR INTERFACING OF NEW NF FIRE ALARM SYSTEM.
- WET SPRINKLER DESIGN CRITERIA AT/ABOVE DESIGNATED WAREHOUSE AREA SHALL INCLUDE HIGH DENSITY COVERAGE WITH HIGH PILE STORAGE.



3 FIRE SERVICE LINE WATER EXTENSION
NO SCALE



4 FIRE SERVICE VALVE ASSEMBLY
NO SCALE

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No.	Description	Date
▲	ISSUED FOR BID AND PERMIT	03/29/19
▲	ISSUED FOR BID	05/30/19
▲	RE-ISSUED FOR BID AND PERMIT	10/16/20

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