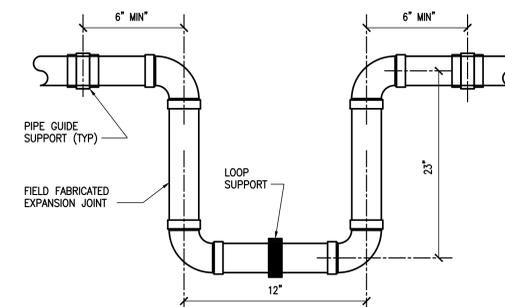


**LEGEND AND ABBREVIATIONS**

	SANITARY PIPING (SAN)
	SANITARY VENT PIPING (SV)
	STORMWATER PIPING
	COLD WATER PIPING (CW)
	PIPE TURNING UP
	PIPE TURNING DOWN
	PIPE ANCHOR
	PIPE GUIDE
	BALL VALVE
	WALL HYDRANT
	FIXTURE REFERENCE NUMBER
	CONT. DRAINAGE FIXTURE UNIT
	DWG. EQUIP.
	FLOOR CLEANOUT
	FLOOR DRAIN
	FF. EL.
	GRADE CLEANOUT
	INV. EL.
	OVERFLOW DRAIN
	ROOF DRAIN
	TYP.
	VENT THRU ROOF
	WATER NUMBER

**GENERAL NOTES:**

- ALL PLUMBING WORK SHALL CONFORM TO THE NEW YORK UNIFORM CONSTRUCTION CODES, 2020 NEW YORK PLUMBING CODE (2019 INTERNATIONAL PLUMBING CODE) AND SUBSEQUENT AMENDMENTS THERETO AS ADOPTED BY THE TOWN OF SUFFERN, NEW YORK AND SUBSEQUENT AMENDMENTS THERETO.
- DRAWINGS ARE DIAGRAMMATIC. COORDINATE ALL EQUIPMENT LOCATIONS AND PIPE ROUTING WITH OTHER TRADES AND ARCHITECTURAL DETAILS PRIOR TO INSTALLATION.
- VERIFY LOCATIONS, MOUNTING HEIGHTS, TRIM LOCATIONS, ETC. FOR ALL PLUMBING FIXTURES WITH THE ARCHITECT PRIOR TO INSTALLATION. P-# DESIGNATES FIXTURE AND FIXTURE TRIM. MOUNTING OF ALL ADA FIXTURES AND RELATED TRIM TO MEET THE AMERICAN DISABILITIES ACT GUIDELINES AND ANSI REQUIREMENTS FOR PEOPLE WITH DISABILITIES.
- INTENT IS TO CONCEAL ALL PIPING IN WALLS/CHASE SPACE, BELOW FLOORS, AND ABOVE CEILING UNLESS OTHERWISE NOTED. INSTALL ALL WATER SUPPLY PIPING AT EXTERIOR WALLS ON THE INSIDE (WARM SIDE) OF THE BUILDING INSULATION. SEAL ALL PIPING PENETRATIONS THROUGH RATED ASSEMBLIES ACCORDINGLY. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE AND SOUND RATED PARTITIONS, CEILING, AND FLOORS.
- THE PLUMBING CONTRACTORS UTILITY WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:  
DOMESTIC WATER SYSTEM - NEW DOMESTIC WATER SYSTEM. CONNECT NEW WATER PIPING AS SHOWN TO THE NEW WATER SERVICE.  
SANITARY DRAINAGE SYSTEM - CONNECTS OF THE TWO (2) SANITARY BUILDING DRAINS PIPING AS SHOWN TO THE SANITARY BUILDING SEWERS.  
STORM WATER DRAINAGE SYSTEM - CONNECT NEW ROOF DRAINAGE DOWNSPOUTS AND ROOF DRAIN CONDUCTORS TO THE STORM WATER BUILDING SEWER.

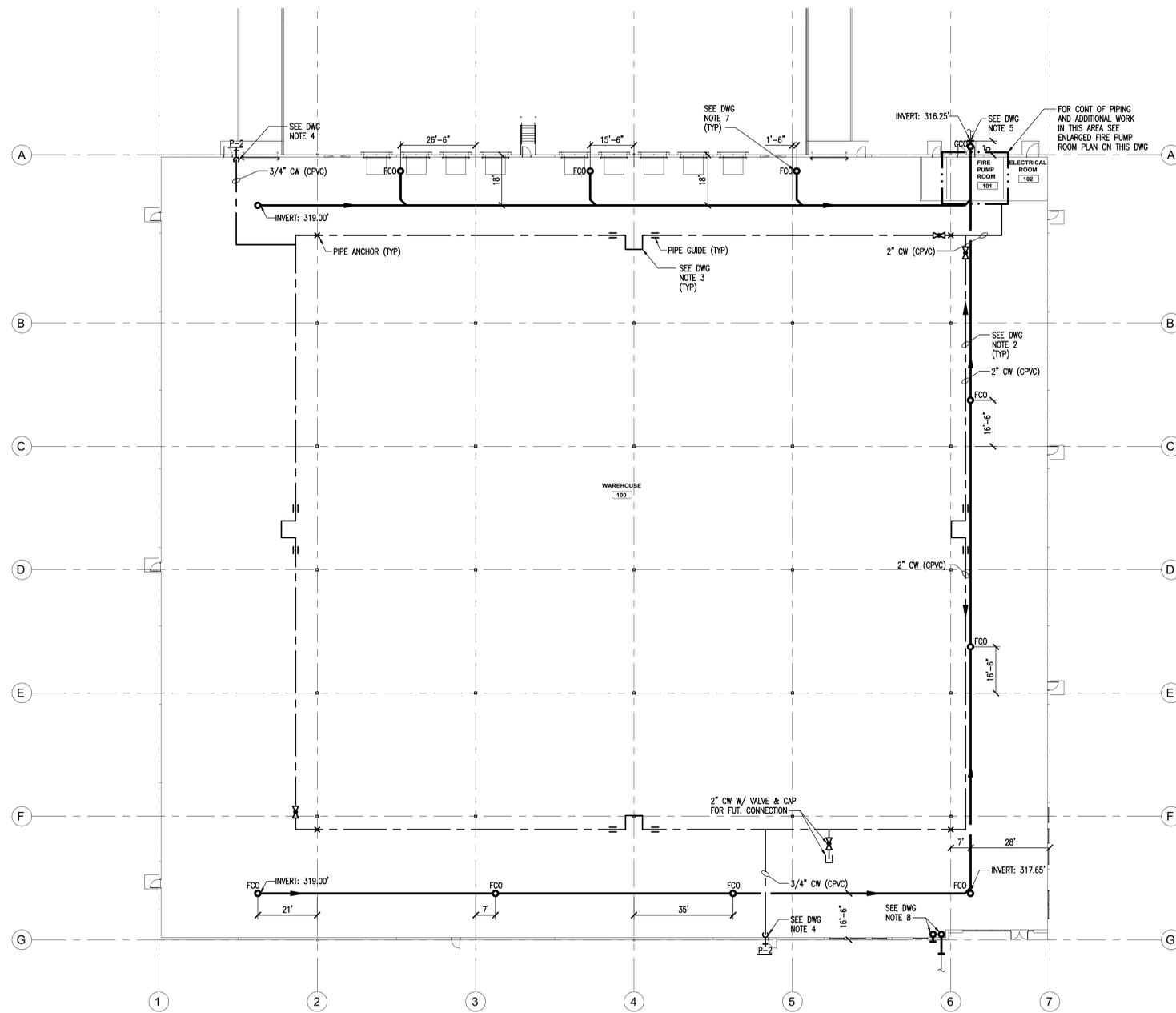


- NOTES:
- EXPANSION LOOP DIMENSIONS, BASIS OF DESIGN IS TWO (2) INCH CPVC PIPE, 50 DEGREE FAHRENHEIT TEMPERATURE CHANGE FOR A LENGTH OF PIPE BETWEEN ANCHORS 220 +/- FEET.
  - INSTALL EXPANSION LOOP AS CLOSELY AS POSSIBLE TO MID-POINT BETWEEN ANCHORS.
  - DO NOT INSTALL RIGID OR RESTRAINING SUPPORTS WITHIN LEG LENGTH OF LOOPS.
  - ALL PIPE AND FITTING CONNECTIONS SHALL BE SOLVENT CEMENT. DO NOT USE THREAD CONNECTIONS.
  - PIPE GUIDE SUPPORTS SHOULD RESTRICT LATERAL MOVEMENT AND DIRECT AXIAL MOVEMENT INTO THE LOOP.

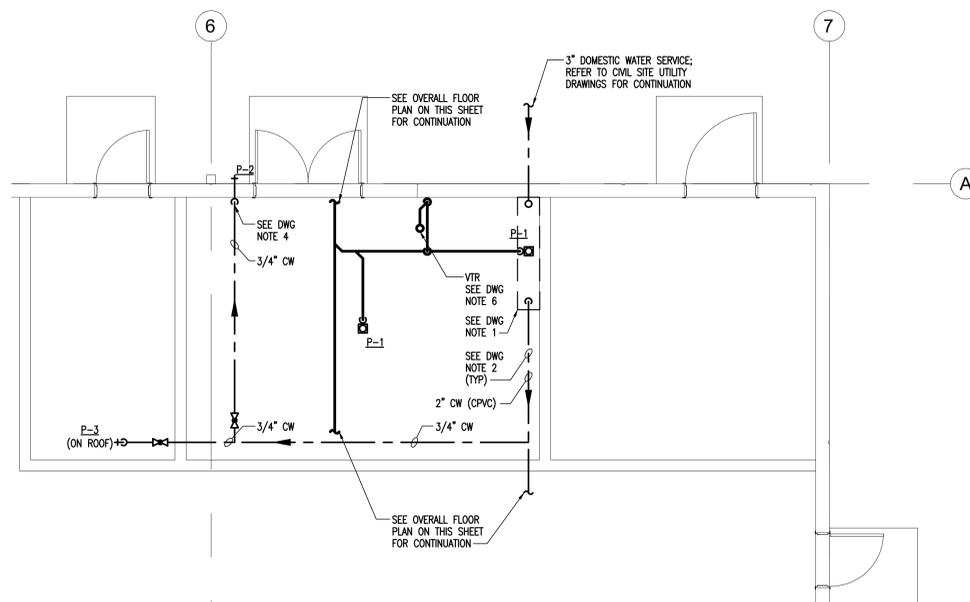
**EXPANSION LOOP DIAGRAM**  
NO SCALE

**DRAWING NOTES:**

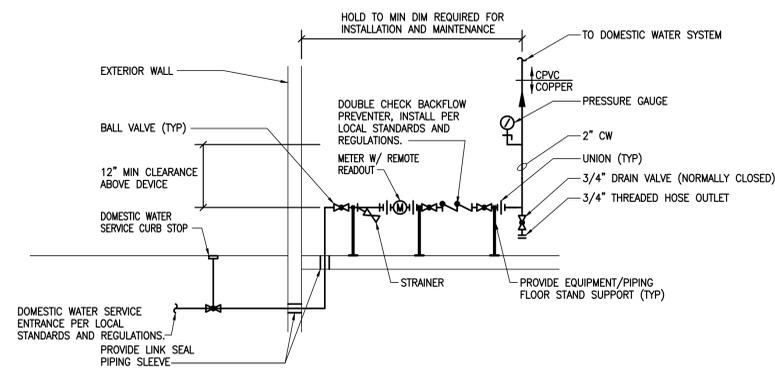
- PROVIDE BUILDING DOMESTIC WATER SUPPLY DISTRIBUTION PIPING AND SERVICE ENTRANCE EQUIPMENT AND CONNECTION TO BUILDING WATER SUPPLY AS SHOWN. SEE "DOMESTIC WATER SERVICE ENTRANCE PIPING DIAGRAM" ON DRAWING P-3.10. PRIOR TO THE START OF ANY NEW WATER SUPPLY SYSTEM WORK THIS CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF TIE-IN POINT.
- THE INSTALLATION OF ALL BUILDING WATER SUPPLY DISTRIBUTION PIPING SHALL BE ABOVE BOTTOM CHORD OF ROOF JOISTS.
- PROVIDE FIELD FABRICATED EXPANSION LOOP. INSTALL AND ANCHOR IN ACCORDANCE WITH THE PIPING MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. SEE "EXPANSION LOOP DIAGRAM" ON THIS DRAWING.
- COORDINATE FINAL LOCATION OF WALL HYDRANT DROPS IN THE FIELD. INSTALL HYDRANT AT 18 INCHES ABOVE FINISH FLOOR AND PROVIDE BALL VALVE IN DROP TO WALL HYDRANT AT 5'-0" A.F.F. ALL PIPING DROPS TO HYDRANTS TO BE TYPE "L" COPPER.
- CONNECT SANITARY BUILDING DRAINAGE PIPING AS SHOWN TO SANITARY BUILDING SEWER. REFER TO SITE UTILITY PLANS FOR LOCATION. PRIOR TO THE START OF ANY NEW SANITARY DRAINAGE SYSTEM WORK THIS CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF INVERT ELEVATION AT TIE-IN POINT AND ROUTING WITH BUILDING FOOTINGS.
- ROUTE VENT PIPING EXPOSED ON WALL AND CONNECT TO VENT THROUGH ROOF AS SHOWN ON SANITARY RISER DIAGRAM.
- THE INSTALLATION OF FLOOR CLEANOUTS ALONG LOADING DOCK WALL SHALL BE OUT OF PATH OF FORK LIFT TRAFFIC. SEE "OFF-SET FLOOR CLEANOUT LOCATIONS DIAGRAM" ON DRAWING P-3.10.
- PRIMARY AND SECONDARY ROOF DRAIN STORM WATER CONDUCTORS SEE "PLUMBING - BUILDING OVERALL FLOOR PLAN - ROOF DRAINAGE" ON DRAWING P-2.10 FOR PIPE SIZES AND ADDITIONAL INFORMATION.



**PLUMBING - BUILDING OVERALL FLOOR PLAN - WATER & DRAINAGE PIPING**  
SCALE: 1" = 20'-0"



**PLUMBING - ENLARGED FIRE PUMP ROOM AREA PLAN**  
SCALE: 1/4" = 1'-0"

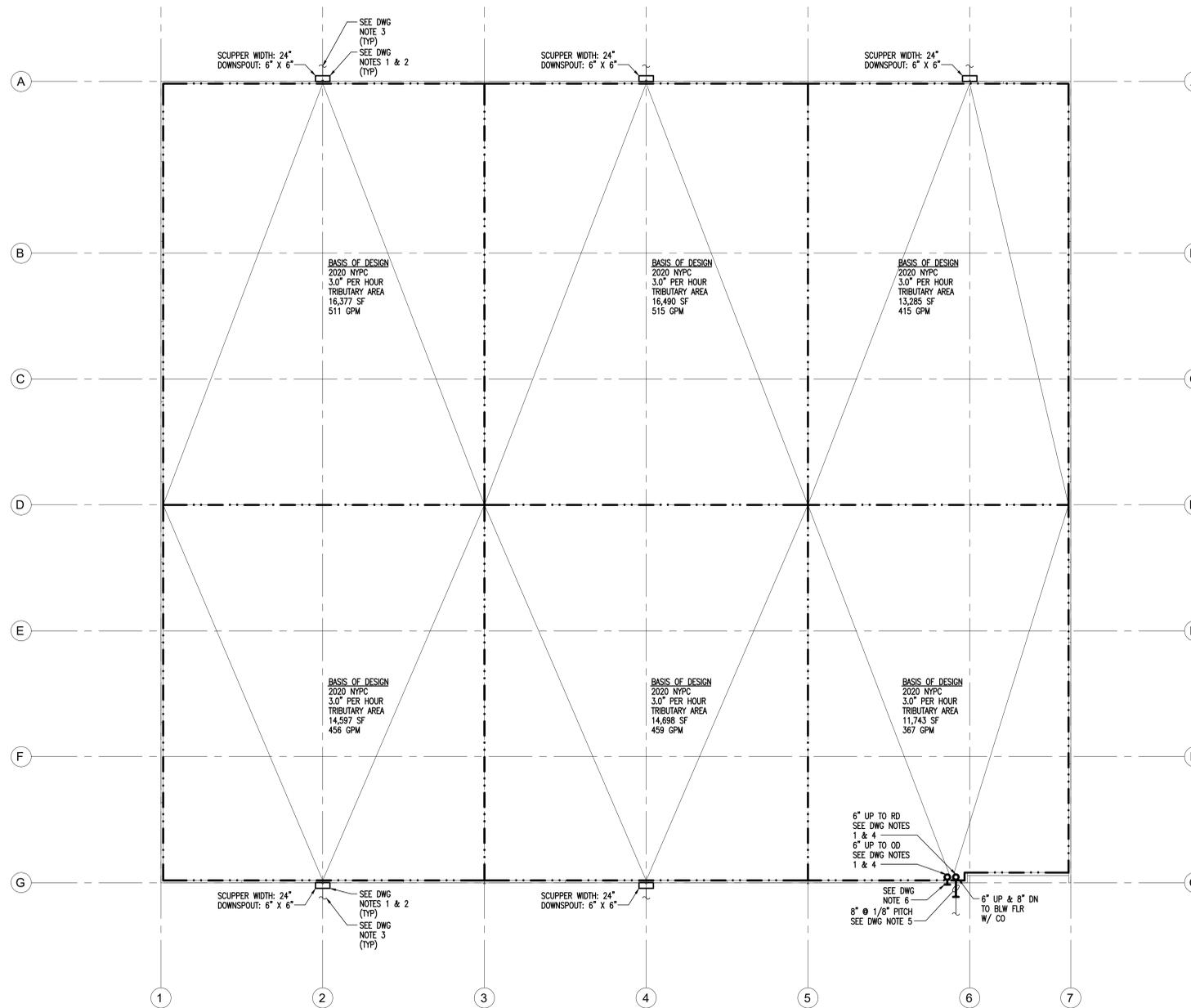


- NOTES:
- WATER METER SHALL BE AS REQUIRED BY THE LOCAL WATER AUTHORITY.
  - PROVIDE COPPER PIPING FOR SERVICE ENTRANCE SUPPLY LINE AND ALL PIPING TO POINT INDICATED.
  - THE BOTTOM OF BACKFLOW PREVENTION ASSEMBLY SHALL BE LOCATED BETWEEN 12 AND 30 INCHES FROM THE FINISH FLOOR, AND A MINIMUM OF 18 INCHES FROM ANY WALL.

**WATER SERVICE ENTRANCE PIPING DIAGRAM**  
NO SCALE



NO.	DATE	DESCRIPTION
02/09/2024		PERMIT ISSUE



**PLUMBING – BUILDING OVERALL ROOF PLAN – ROOF DRAINAGE**  
 SCALE: 1" = 20'-0"

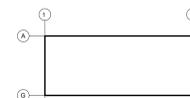
**DRAWING NOTES:**

- DRAWING SHOWS ROOF DRAINAGE TRIBUTARY AREAS, BASIS OF DESIGN AND SIZING INFORMATION. REFER TO ROOF PLAN ON ARCHITECTURAL DRAWINGS FOR ROOF SLOPES AND FINAL LOCATIONS OF ALL ROOF DRAINS, SCUPPER BOXES AND DOWNSPOUTS.
- COMBINATION WALL SCUPPER BOX FOR BOTH PRIMARY AND SECONDARY (EMERGENCY) ROOF DRAINAGE. SEE "ROOF SCUPPER BOX DIAGRAM" ON DRAWING P-2.11 FOR SCUPPER BOX OPENING WIDTHS AND DOWNSPOUT SIZES. REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FINAL SCUPPER BOX DIMENSIONS, MATERIALS AND INSTALLATION DETAILS.
- CONNECT STORM WATER DOWNSPOUT PIPING AS SHOWN TO STORM WATER BUILDING SEWER. REFER TO SITE UTILITY PLANS FOR LOCATION. PRIOR TO THE START OF ANY NEW DRAINAGE SYSTEM WORK THIS CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF INVERT ELEVATION AT TIE-IN POINT AND ROUTING WITH BUILDING FOOTINGS.
- ROOF DRAINS SEE "ROOF DRAIN & OVERFLOW DIAGRAM" ON DRAWING P-2.11 REFER TO ROOF PLANS ON ARCHITECTURAL DRAWINGS FOR FINAL LOCATIONS AND INSTALLATION DETAILS OF ALL ROOF DRAINS.
- CONNECT STORM WATER BUILDING DRAINAGE PIPING AS SHOWN TO STORM WATER BUILDING SEWER. REFER TO SITE UTILITY PLANS FOR LOCATION. SEE "STORM WATER STACK BASE DIAGRAM" ON DRAWING P-2.11. COORDINATE ALL RAINWATER CONDUCTOR CLEANOUT LOCATIONS IN THE FIELD WITH THE ARCHITECT PRIOR TO INSTALLATION. PRIOR TO THE START OF ANY NEW DRAINAGE SYSTEM WORK THIS CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF INVERT ELEVATION AT TIE-IN POINT AND ROUTING WITH BUILDING FOOTINGS.
- TERMINATE OVERFLOW DISCHARGE WITH DOWNSPOUT NOZZLE. DISCHARGE SHALL BE ABOVE GRADE, IN A LOCATION THAT NORMALLY BE OBSERVED BY THE BUILDING OCCUPANTS OR MAINTENANCE PERSONNEL. SEE "OVERFLOW DISCHARGE NOZZLE DIAGRAM" ON DRAWING P-2.11.
- SEE DRAWING P-1.10 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.

SEAL



KEY PLAN



SUBMITTALS

NO.	DATE	DESCRIPTION
	02/09/2024	PERMIT ISSUE

PROJECT NO. AS397-22 | NY154 DRAWN BY ZPC

SHEET TITLE  
**PLUMBING ROOF DRAINAGE DIAGRAMS**

SHEET NO.

**P-2.11**

