

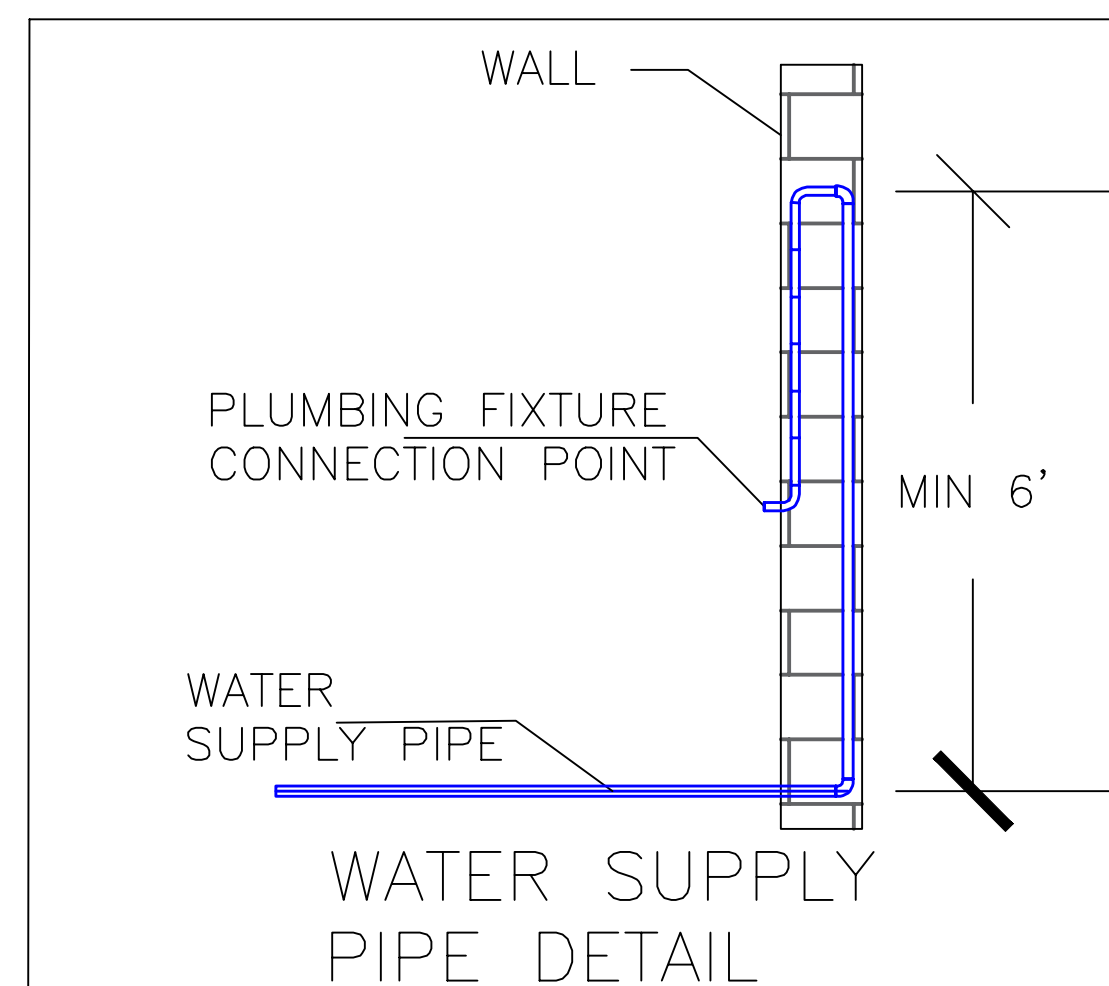
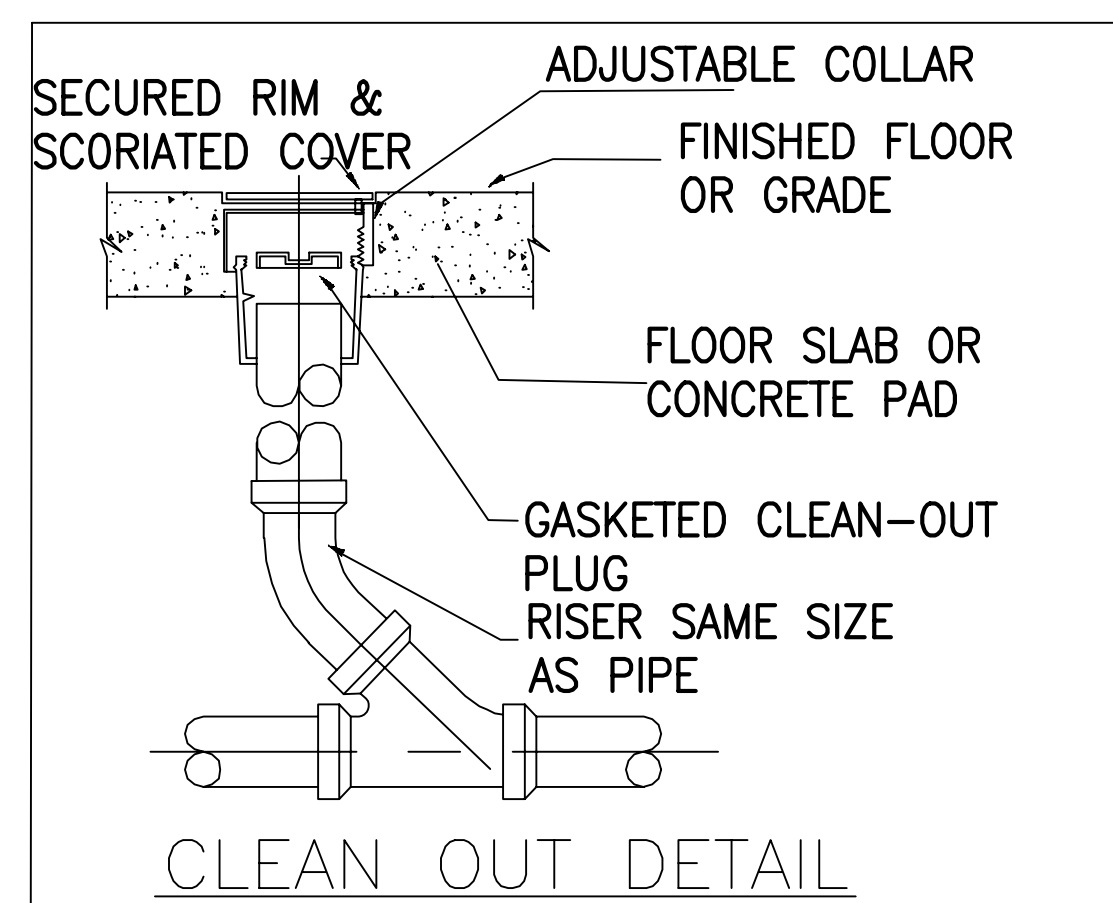
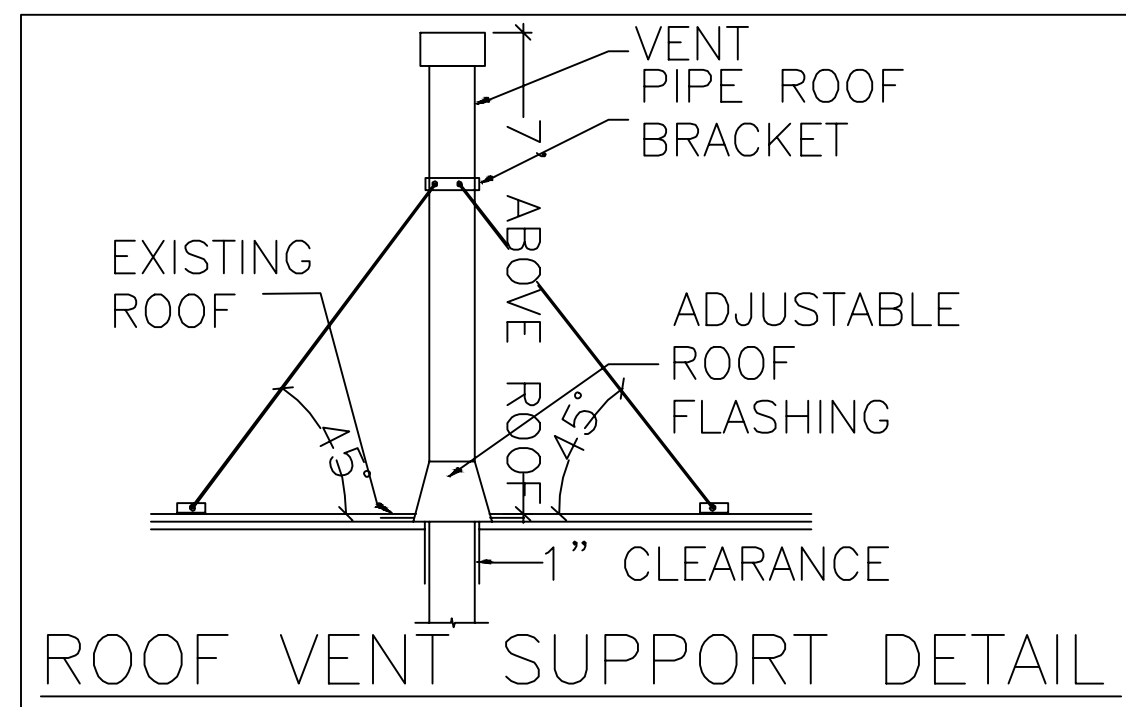
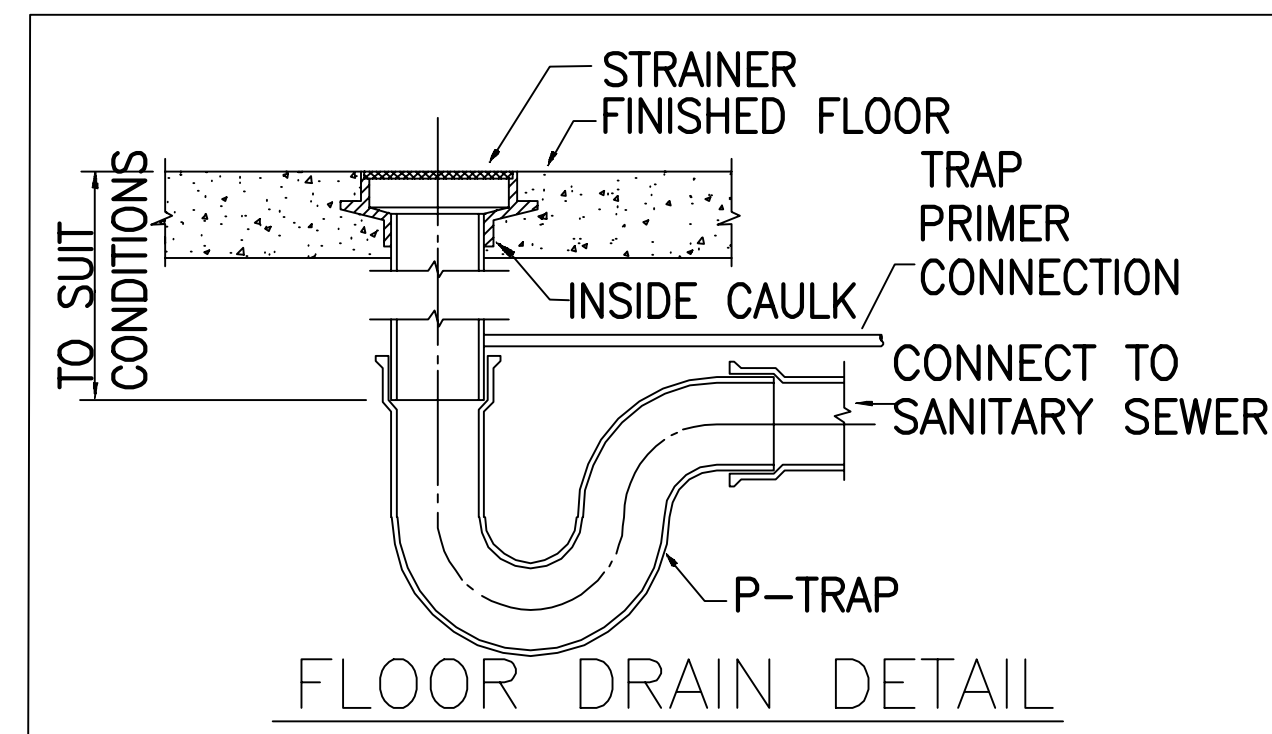
GENERAL ABBREVIATIONS

| | | |
|------|---|-----------------------------|
| BFP | - | BACK FLOW PREVENTION |
| CV | - | CONTROL VALVE |
| CW | - | COLD WATER |
| CWR | - | COLD WATER RISER |
| CSB | - | CURB STOP BOX |
| DW | - | DISHWASHER |
| DFU | - | DRAIN FIXTURE UNITS |
| FD | - | FLOOR DRAIN |
| GPM | - | GALLON PER MINUTE |
| HW | - | HOT WATER |
| HB | - | HOSE BIBBS |
| HWFU | - | HOT WATER FIXTURE UNITS |
| KS | - | KITCHEN SINK |
| LV | - | LAVORATORY |
| MH | - | MAN HOLE |
| P | - | PUMP |
| PRV | - | PRESSURE RELIEF VALVE |
| REF | - | REFRIGERATOR |
| SR | - | SANITARY RISER |
| S | - | SANITARY PIPE |
| WC | - | WATER CLOSET |
| W/D | - | WASHER/DRYER |
| WHA | - | WATER HAMMER ARRESTOR (WHA) |
| WH | - | WATER HEATER |
| WSFU | - | WATER SUPPLY FIXTURE UNITS |
| VTR | - | VENT THROUGH ROOF |
| V | - | VENT PIPE |

PLUMBING LEGENDS

| SYMBOL | DESCRIPTION |
|--------|---------------------------------|
| | COLD WATER (CW) |
| | HOT WATER (HW) |
| | SANITARY (S) |
| | VENT (VTR) |
| | WATER METER(WM) |
| | CURB STOP BOX(CSB) |
| | BALL VALVE |
| | PRESSURE REGULATING VALVE (PRV) |
| | BACK FLOW PREVENTOR |
| | MAN HOLE |

EQUIPMENT DETAILS



| PLUMBING FIXTURE SCHEDULE | | | | | | | |
|---------------------------|------|------|------|-----|------------------------|---------------------------------|---------|
| FIXTURE NAME | WSFU | CWFU | HWFU | DFU | MIN PIPE SIZE OF CW/HW | MAX FLOW | REMARKS |
| WATER CLOSET | 2.2 | 2.2 | - | 3 | 1" | 1.28 GALLONS PER FLUSHING CYCLE | |
| LAVORATORY | 0.7 | 0.5 | 0.5 | 1 | 1/2" | 1.5 GPM AT 60 PSI | |

PLUMBING NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR A COMPLETE INSTALLATION INCLUDE: EXCAVATION, REPAIR OF WALLS AND FLOOR AS REQUIRED. FITTINGS, VALVES, ESCULENT PLATES, ETC. AS NECESSARY.
2. INSTALLATION SHALL CONFIRM TO THE LOCAL CODES AND REQUIREMENTS IN EFFECT AT THE TIME OF COMPLETION.
3. WATER PIPING SHALL BE TYPE "L" COPPER WITH COPPER FITTINGS AND HANGERS. IF APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION. CPVC OR PEX PIPING MAY BE USED
4. SOIL WASTE AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON WITH LEAD AND OAKUM OR MECHANICAL JOINTS AS APPROVED BY LOCAL CODES. PVC MAY USED IF APPROVED BY LOCAL OFFICIALS.
5. WATER PIPING SHALL BE INSULATED WITH 1" ARMAFLEX OR EQUAL.
6. INSTALL CLEANOUTS AS NECESSARY.
7. SUBMIT SHOP DRAWINGS FOR FIXTURES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
8. FLOOR DRAINS, CLEANOUTS AND LAVATORY CARRIERS SHALL BE AS MANUFACTURED BY J.R.SMITH, JOSAM, ZURN OR COMPARABLE.
9. ALL VENTS SHALL BE CONNECTED TO EXISTING VENT PIPING UP THRU ROOF.
10. FIELD VERIFY EXACT LOCATION OF EXISTING PIPING.
11. ALL PLUMBING FIXTURES SHALL BE HIGH EFFICIENT.
12. THE CONTRACTOR SHALL REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY, OR OMISSION DISCOVERED AND SHELL VERIFY ALL DIMENSIONS, EXISTING AND NEW PRIOR TO PROCEEDING WITH WORK. THE CONTRACTOR IS RESPONSIBLE FOR REFERRING ANY ISSUES TO THE ARCHITECT IMMEDIATLY FOR DETERMINATION ON HOW TO PROCEED.
13. LOCATION AND SIZES OF ALL EXISTING SERVICES ARE APPROXIMATE. VERIFY ALL UTILITIES PRIOR TO COMMENCING WORK.
14. FOR EXACT LOCATIONS OF PLUMBING FIXTURES, DRAINS AND EQUIPMENT REFER TO ARCHITECTURAL DRAWINGS
15. ALL HORIZONTAL WATER SUPPLY AND VENT PIPING SHOWN TO BE RUN ABOVE CEILING UNLESS OTHERWISE NOTED.
16. ALL HORIZONTAL SANITARY PIPING SHOWN TO BE RUN BELOW CEILING UNLESS OTHERWISE NOTED.
17. DOMESTIC WATER PIPING MATERIAL: AS PER SWEETWATER AUTHORITY STANDARD.
18. HOT WATER PIPES SHALL BE INSULATED TO AT LEAST RATING R3.
19. THE DISCHARGE FROM A CLOTHES WASHING MACHINE SHALL BE THROUGH AN AIR BREAK.
20. PIPES AND CONTROLS EXPOSED TO EXTERNAL WEATHER SHALL BE WRAPPED WITH R-3 INSULATION TO PROTECT AGAINST FREEZING AS PER SECITON 8.16.4.1.3 NFPA 13-2010.

ELECTRIC WATER HEATER SPECIFICATION

| TAG NAME | LOCATION | QUANTITY | VOLTAGE | MAXIMUM WATTAGE | NOMINAL CAPACITY(GL) | DIMENSION(INCH) | | | WATER CONNECTION SIZE (INCH) | BASIS OF DESIGN |
|----------|----------|----------|---------|-----------------|----------------------|-----------------|-------|-----|------------------------------|-------------------|
| | | | | | | HEIGHT | WIDTH | DIA | | |
| WH-01 | AS SHOWN | 1 | 240 | 36000 | 119.9 | 67 | 36 | 30 | 1 1/2 | RHEEM #ES120-36-G |

DRAWING LIST

| SHEET NO. | SHEET NAME |
|-----------|---------------------------------------|
| PLUMBING | |
| P001 | GENERAL NOTES, LEGEND & ABBREVIATIONS |
| P101 | PLUMBING FLOOR PLANS |
| P201 | WATER SUPPLY SCHEMATIC |
| P202 | SANITARY SCHEMATIC |

| NO. | DATE | DESCRIPTIONS | REVISIONS |
|-----|------------|----------------|-----------|
| 00 | 11/23/2020 | INITIAL DESIGN | |

GENERAL NOTES, LEGENDS & ABBREVIATIONS

SITE ADDRESS:
1235 Atkins Rd,
Fuquay-Varina, NC 27526

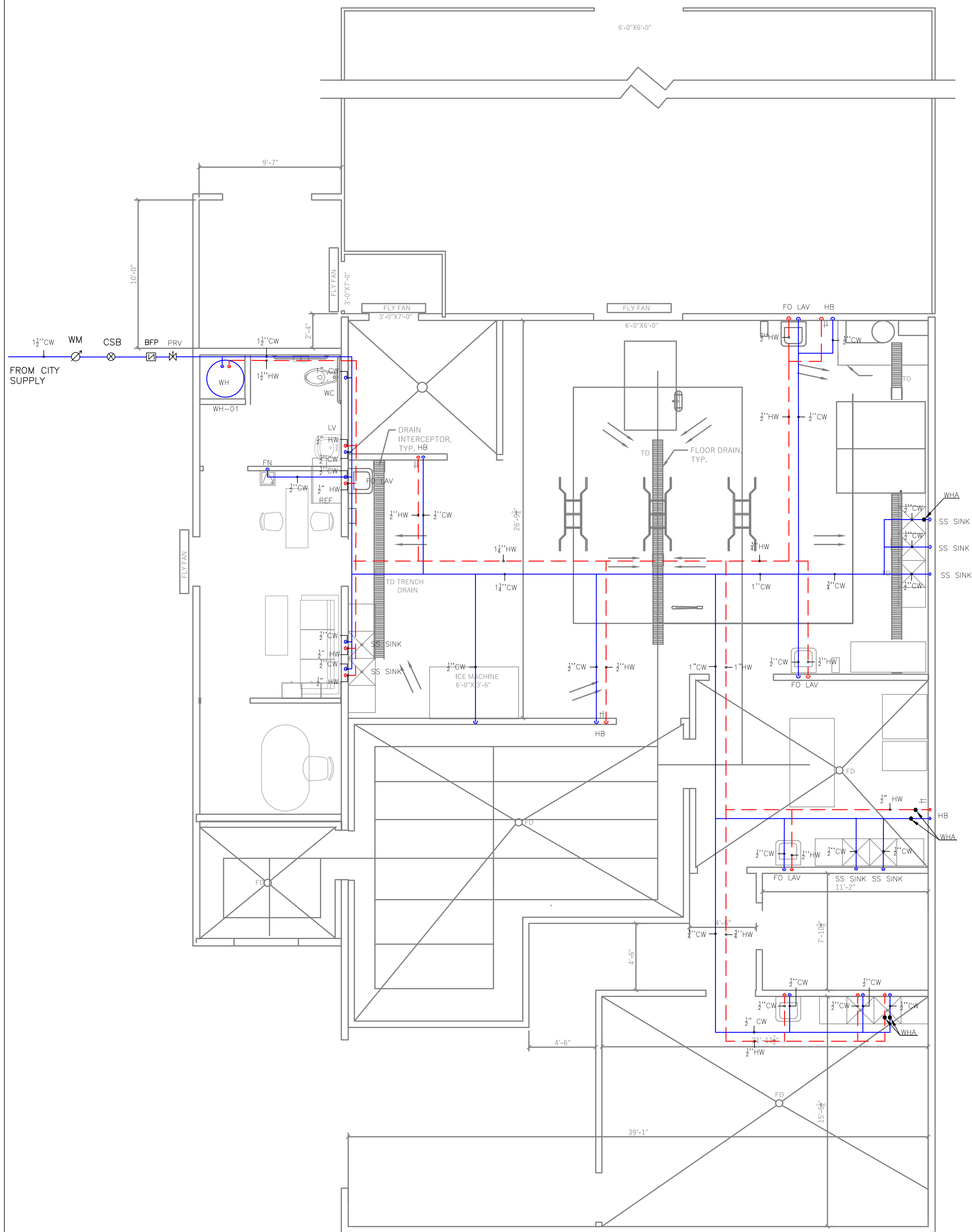


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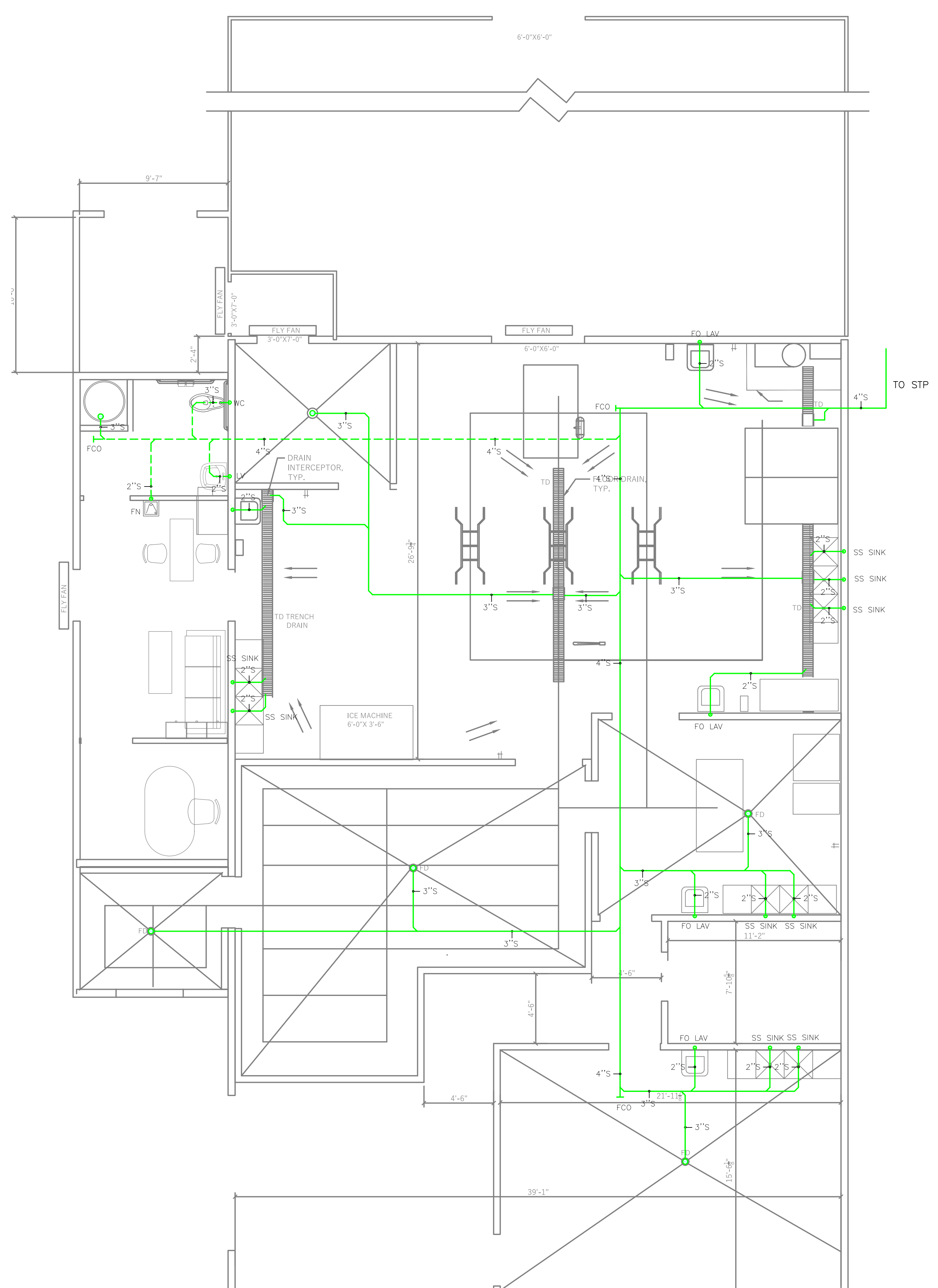
FIRM LIC. # 1869

121 EDINBURGH SOUTH DRIVE, SUITE 103
CARY, NC 27511
PHONE: 919.444.5442
EMAIL: MOTI.KC@EQUAGEN.COM

| | |
|-------------|----------------|
| DRAWN BY: | DG |
| CHECKED BY: | MKC |
| DATE: | 11-23-2020 |
| SCALE: | AS SHOWN |
| P001 | 20-1035 |



WATER SUPPLY GROUND FLOOR
SCALE: 1/4"=1'



SANITARY GROUND FLOOR
SCALE: 1/4"=1'

| NO. | DATE | INITIAL DESIGN | DESCRIPTIONS | REVISIONS |
|-----|------------|----------------|--------------|-----------|
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PLUMBING FLOOR PLANS

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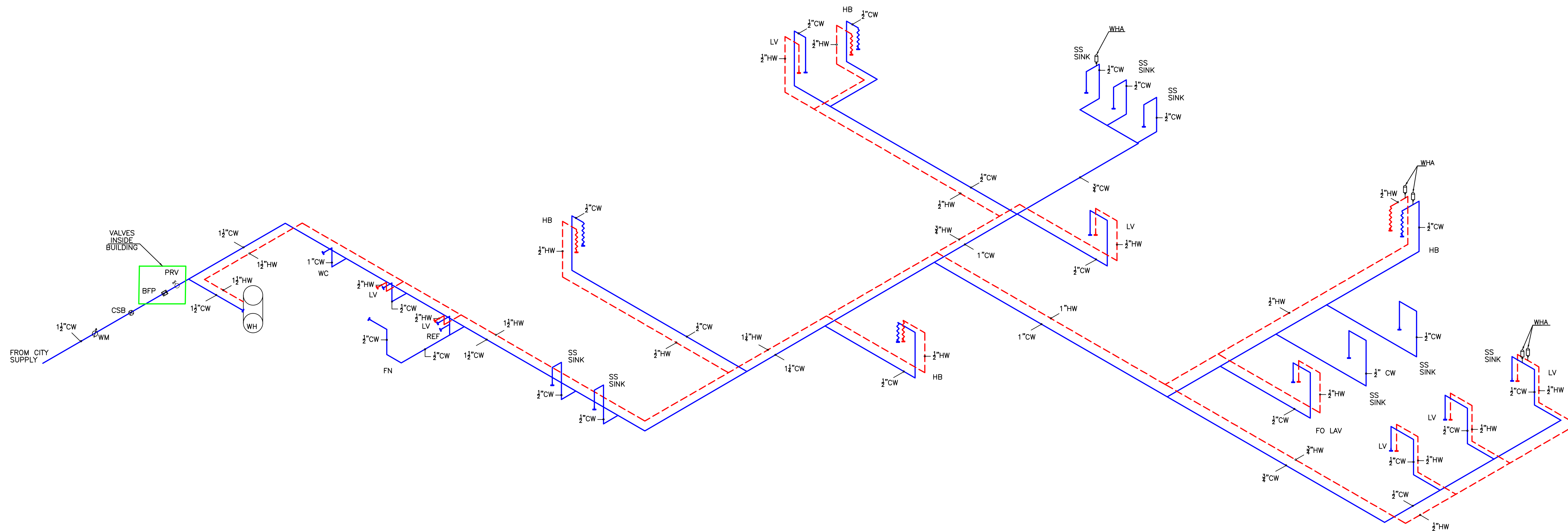
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P101 20-1035



WATER SUPPLY SCHEMATIC

SCALE: NTS

NOTE:

1. 1 1/2" - 2" METER SETTER REQUIRED A METER VALVE ON EACH SIDE (NOT SHOWN IN DETAIL).
2. IF THE BUILDING OR APPROVED PROJECTION IS AT OR EXTENDS BEYOND THE PROPERTY LINE, THE CURD STOP SHALL BE PLACED 18 INCHES FROM FACE OF BUILDING OR APPROVED PROJECTION.
3. FOR NEW BUILDING CONSTRUCTION ONLY: THE FIRE SERVICE LINE SHALL INCLUDE A SHUT-OFF VALVE INSTALLED INSIDE THE BUILDING.
4. FOR NEW BUILDING CONSTRUCTION ONLY: THE DOMESTIC SERVICE LINE SHALL INCLUDE A PRESSURE REDUCING VALVE AND SHUT-OFF VALVE INSTALLED THE BUILDING.
5. SEE PLUMBING FLOOR PLANS FOR THE PIPE SIZE DETAILS.
6. THE MINIMUM DROP DOWN HEIGHT OF WATER SUPPLY PIPE IS 6 FT.

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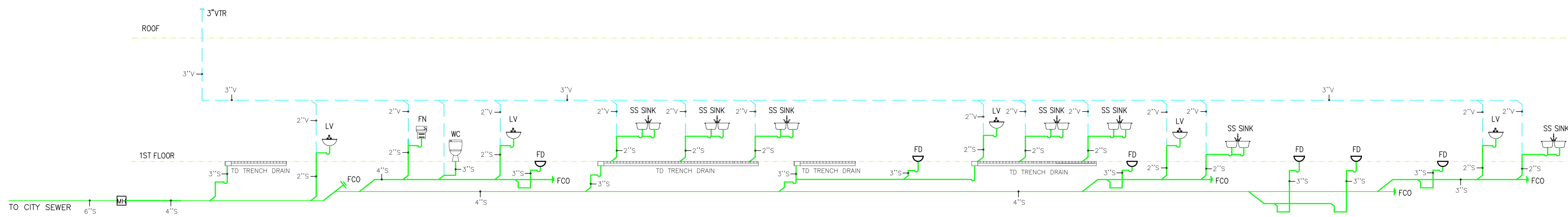


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| SCALE: | AS SHOWN |
| P201 | 20-1035 |



SANITARY SCHEMATIC

SCALE: NTS

- NOTES
- EXISTING BACK WATER VALVE TO REMAIN, CONTRACTOR TO VERIFY THE LOCATION, BACK WATER VALVE SHALL BE OPERATIONAL AND WORK PROPERLY, OWNER SHALL BE INFORMED IF THE EXISTING VALVE IS NOT OPERATIONAL, VALVE SHALL BE ACCESSIBLE FOR ANY FUTURE REPLACEMENT/REPAIR.
 - CLEAN OUTS SHALL BE ACCESSIBLE COORDINATE AT THE FIELD AND COORDINATE WITH ARCHITECTURAL PLANS PROVIDE REQUIRED ACCESS PANELS WHERE APPLICABLE.

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|-----|------------|----------------|
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| | | REVISIONS |

SANITARY SCHEMATIC

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