THE INSTALLATION SHALL BE DONE BY A QUALIFIED FIRM RECOGNIZED AS BEING FULLY EXPERIENCED IN THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS AND FAMILIAR WITH THE REQUIREMENTS OF THE NEW YORK UNIFORM FIRE PREVENTION AND BUILDING CODE, THE SUPPLEMENTAL UNIFORM BUILDING AND FIRE PREVENTION CODE LOCAL AND NFPA.

NFPA 13 AND ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION.

1. THE PLUMBING/FIRE PROTECTION CONTRACTOR SHALL VISIT THE PROJECT SITE AND CAREFULLY REVIEW THE DRAWINGS TO BECOME FAMILIAR WITH THE BUILDING BEFORE SUBMITTING A PROPOSAL. ALL REQUIRED BUILDING INFORMATION SHALL BE OBTAINED FROM THE OWNER. 2. THE WORK REQUIRED SHALL INCLUDE, BUT IS NOT LIMITED, THE

A. SPRINKLER HEADS, PIPING, FITTINGS, HANGERS AND VALVES. B. DRIPS AND DRAINS.

C. PIPE HANGERS AND SUPPORTS. D. PIPE SLEEVES AND ESCUTCHEONS.

E. CUTTING AND PATCHING. F. ONE APPROVED TYPE SPRINKLER CABINET AND EXTRA HEADS. PROVIDE A DUPLICATE NUMBER OF COVER PLATES TO ACCOMMODATE THE CONCEALED TYPE HEADS. PROVIDE ONE SPRINKLER WRENCH.

G. PREPARATION OF COMPLETE AND DETAILED SHOP DRAWINGS FOR INSTALLATION INCLUDING PLANS, CUTS OF ALL DEVICES AND HYDRAULIC CALCULATIONS. H. PERFORMING ALL TESTS REQUIRED AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE

PREVENTION AND BUILDING CODE. THE SUPPLEMENTAL UNIFORM

BUILDING AND FIRE PREVENTION CODE OF THE TOWN HAVING

JURISTICTION AND NFPA. I. PERFORMING OF HYDRAULIC PRESSURE LOSS CALCULATIONS INCLUDING ALL NEW AND EXISTING PIPING FOR SERVING ALL AREAS OF THIS WORK, AND AS REQUIRED BY THE LOCAL BUILDING DEPARTMENT AND ANY OTHER AUTHORITIES HAVING JURISDICTION.

3. ALL WORK SHALL CONFORM TO THE "2020 BUILDING CODE OF THE STATE OF NEW YORK", LATEST EDITION, AND LOCAL ORDINANCES AND REGULATIONS, EXCEPT WHERE THESE REQUIREMENTS ARE EXCEEDED BY THE DRAWINGS AND

SPECIFICATIONS IN QUALITY AND/OR QUANTITY. 4. MAKE ALL FILINGS WITH THE LOCAL BUILDING DEPARTMENT, PAY ALL FEES AND OBTAIN ALL

5. ALL WORK SHALL BE IN COMPLIANCE WITH THE OWNER'S REQUIREMENTS AND IN COOPERATION WITH THE OWNER'S

REPRESENTATIVE. 6. ALL WORK SHOWN IS IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS IN THE EXISTING BUILDING AND LIMITATIONS BEFORE SUBMITTING HIS BID. ANY OBSERVED DISCREPANCIES OR CLARIFICATIONS REQUIRED MUST BE SUBMITTED DURING BIDDING IN RFI FORMAT.

7. ROUTE NEW PIPING WITH OFFSETS, RISES AND DROPS AS REQUIRED TO AVOID ANY INTERFERENCES.

8. DO NOT SUPPORT PIPING FROM DUCTWORK, PIPING, OR EQUIPMENT. WHERE INTERFERENCES OCCUR, PROVIDE TRAPEZE SUPPORTS FOR

9. THE CONTRACTOR SHALL COORDINATE PIPING LAYOUT AND FINAL LOCATION OF 2. SPRINKLER PIPING SHALL BE OF STANDARD WEIGHT BLACK SPRINKLER HEADS WITH ALL OTHER TRADES. HEADS TO BE LOCATED IN CENTER OF CEILING PANEL.

### <u>INSTALLATION</u>

1. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE COMPLETE SYSTEMS, LEFT IN GOOD WORKING ORDER, READY FOR OPERATION. 2. LOCATE ALL SPRINKLER HEADS, PIPING AND APPURTENANCES IN ACCORDANCE WITH THE LATEST ARCHITECTURAL ARRANGEMENT OF PARTITIONS, LIGHTS, CEILING DIFFUSERS AND GRILLES, AND IN SUCH A MANNER SO AS TO AVOID INTERFERENCES WITH ALL PIPING, DUCTWORK, BEAMS AND OTHER EQUIPMENT WITHIN THE CEILING

3. THE DRAWINGS SHOW THE GENERAL RUN AND APPROXIMATE LOCATIONS OF NEW PIPES. DO NOT SCALE THE DRAWINGS TO DETERMINE EXACT POSITIONS AND CLEARANCES.

4. THE CONTRACTOR SHALL LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE LOCATIONS. SUCH EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO VALVES AND DRAIN POINTS. MINOR DEVIATIONS FROM PLANS ARE PERMITTED TO ALLOW FOR BETTER ACCESSIBILITY.

5. ALL CUTTING AND PATCHING REQUIRED FOR THE PROPER INSTALLATION OF THE WORK SHALL BE DONE BY THIS CONTRACTOR. CONTRACTOR SHALL NOT DO ANY CUTTING THAT MAY IMPAIR THE STRUCTURAL INTEGRITY OF THE BUILDING. NO HOLES, EXCEPT FOR SMALL SCREWS, MAY BE DRILLED IN STRUCTURAL MEMBERS WITHOUT

OBTAINING PRIOR APPROVAL FROM THE ARCHITECT/ENGINEER.

6. COORDINATE SCHEDULING OF WORK WITH THE BUILDING OWNER AND OTHER CONTRACTORS. A PRELIMINARY SCHEDULE SHALL BE SUBMITTED TO THE OWNER WITHIN TWO WEEKS AFTER AWARD OF CONTRACT.

7. SERVICES AND FACILITIES IN THE BUILDING SHALL NOT BE DISCONNECTED OR INTERRUPTED WITHOUT THE PERMISSION OF THE OWNER AND THE OWNER'S UTILITY COMPANY SHALL BE GIVEN 72 HOURS PRIOR NOTICE OF REQUIRED INTERRUPTIONS. TEMPORARY INTERRUPTIONS SHALL BE MADE AT TIME AS APPROVED BY THE OWNER AND UTILITY COMPANY. THERE SHALL BE NO ADDITIONAL CHARGE BY THE CONTRACTOR TO ACCOMMODATE THE OWNER'S REQUIREMENTS AS THEY RELATE TO TEMPORARY INTERRUPTIONS.

8. ARRANGE TO WORK CONTINUOUSLY TO ASSURE THAT SERVICE INTERRUPTION TIME IS KEPT TO A MINIMUM.

9. NOISE SHALL BE KEPT TO A MINIMUM.

10. WITH THE EXCEPTION OF THE IMMEDIATE CONTRACT AREA, THE CONTRACTOR SHALL NOT USE ANY PART OF THE BUILDING AS A SHOP.

11. REPLACE AND REPAIR OF ALL MATERIALS AND EQUIPMENT REMOVED DAMAGED IN THE COURSE OF THIS WORK.

12. ALL CONTROL, DRAIN, TEST AND ALARM VALVES WHEN INDICATED OR REQUIRED SHALL BE PROVIDED WITH IDENTIFICATION SIGNS AS APPROVED BY THE LOCAL FIRE DEPARTMENT AND NFPA.

13. CLEAN UP ALL WORK AREAS AND REMOVE AND DISPOSE OF ALL EXCESS MATERIALS, DIRT AND DEBRIS.

1. SUBMIT THE REQUIRED NUMBER OF SHOP DRAWING INCLUDING COORDINATED PIPING LAYOUT INDICATING HEADS, DIMENSIONS, AND PIPE ELEVATIONS TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION OF PIPING OR PURCHASING EQUIPMENT. DEVIATIONS FROM SHOP DRAWINGS TO MEET FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO INSTALLATION. COORDINATION SHALL INCLUDE ALL OTHER TRADES (I.E. CONSTRUCTION, ELEC., PLUMB., HVAC).

2. THE ENTIRE SPRINKLER SYSTEM SHALL BE TESTED TO 150 PSI HYDROSTATIC PRESSURE. PRESSURE SHALL BE MAINTAINED AFTER DISCONNECTION OF THE PRESSURIZATION DEVICE WITHOUT ANY DROP IN PRESSURE FOR A MINIMUM OF TWO HOURS.

3. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PREPARE THE CERTIFICATE OF MATERIALS AND TESTS, AND SHALL SECURE THE FINAL INSPECTION AND APPROVAL BY ALL AGENCIES HAVING JURISDICTION INCLUDING THE LOCAL FIRE DEPARTMENT AND BUILDING DEPARTMENT.

1. ALL PIPES, FITTINGS, VALVES AND OTHER APPURTENANCES SHALL BE OF THE MATERIALS AND WEIGHTS AS REQUIRED BY THE NEW YORK STATE 2020 UNIFORM FIRE PREVENTION AND BUILDING CODE NFPA 13 AND ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION.

STEEL SCHEDULE 40 PIPE WITH APPROVED STANDARD WEIGHT CAST IRON, THREADED OR FLANGED SPRINKLER FITTINGS ON ALL

3. VALVES SHALL BE APPROVED O S & Y TYPE WITH IRON BODY. 4. ALL PIPES, FITTINGS AND VALVES SHALL BE DESIGNED TO WITHSTAND A WORKING PRESSURE OF NOT LESS THAN 175 PSI.

5. DIELECTRIC UNIONS SHALL BE PROVIDED FOR ALL CONNECTIONS BETWEEN PIPES, FITTINGS, HANGERS AND EQUIPMENT OF DISSIMILAR METALS.

6. METAL PIPE SUPPORTS, SWAY BRACES, HANGERS, CLAMPS, AND ALL OTHER ACCESSORIES SHALL BE UNDERWRITER'S LABORATORIES TESTED APPROVED PATTERN AND SO PLACED AS TO CONFORM WITH THE REQUIREMENTS OF NFPA PAMPHLET NO. 13.

7. PIPING PASSING THROUGH FLOORS, WALLS AND CEILINGS SHALL BE PROVIDED WITH ESCUTCHEONS AND SLEEVES.

8. ALL SPRINKLER HEADS SHALL BE UL AND FM APPROVED, SHALL HAVE ORDINARY TEMPERATURE RATING (135-170F.) EXCEPT WHERE OTHERWISE NOTED ON THE DRAWINGS AND OR WHERE HIGHER DEGREE RATINGS ARE REQUIRED TO PREVENT ACCIDENTAL DISCHARGE OF THE

9. PROVIDE 1 INSTALLATION WRENCH.

1. IT IS THE INTENT OF THESE DRAWINGS & SPECIFICATIONS TO DESCRIBE A NEW FIRE SPRINKLER SYSTEM AND MODIFICATIONS TO THE EXISTING FIRE SPRINKLER THE ENTIRE CONTENTS OF THE PROJECT SPECIFICATIONS AND DRAWINGS, NFPA BULLETINS AND STATE & LOCAL CODES AND ORDINANCES SHALL BE CONSIDERED AN INTEGRAL PART OF THIS DOCUMENT.

2. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND WARNINGS.

IN AN NFPA-13 SETTING. 4. ALL PIPING SHALL DRAIN BACK TO THE DRAIN CONNECTION. WHERE NECESSARY, THE CONTRACTOR SHALL INSTALL 1" AUXILIARY DRAINS, PIPED TO THE NEAREST DRAIN FACILITY OR OUTDOORS.

c. THE HANGERS SHALL BE SPLIT BAND TYPE, WITH THREADED ROD AND ATTACHED

3. ALL EQUIPMENT SHALL BE UL LISTED AND/OR FM APPROVED FOR FIRE PROTECTION

5. THE LOCATION AND SPACING OF SUPPORT HANGERS SHALL CONFORM TO NFPA-13, (LATEST EDITION) FOR STEEL PIPE.

a. 1-1/2" & LARGER HANGERS AT 15'-0" MAX.

b. 1" &  $1-\frac{1}{4}$ " HANGERS AT 12'-0" MAX.

TO STRUCTURAL MEMBERS BY CLAMPS OR SHIELDS. 6. THE CONTRACTOR SHALL GIVE ADVANCE NOTICE OF ALL TESTS WHICH REQUIRE

WITNESS BY THE AUTHORITIES HAVING JURISDICTION. 7. THE CONTRACTOR SHALL PROVIDE ALL WORK AS HEREIN SHOWN.

8. NO WORK SHALL BEGIN UNLESS AND UNTIL ALL AUTHORITIES HAVING JURISDICTION HAVE REVIEWED AND APPROVED THESE DRAWINGS AND UNTIL APPROVED AND ACCEPTED BY THE OWNER.

RESPONSIBILITIES OF PLUBMING/FIRE PROTECTION CONTRACTOR 9. UNTIL ACCEPTED BY THE OWNER. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ROUTINE INSPECTION & MAINTENANCE PER NFPA-13 AS WELL AS ALWAYS MAINTAINING 50° F THROUGHOUT THE PROJECT SPACE. ALL WATER SUPPLY SHUT OFF VALVES WHICH CONTROL THE SUPPLY OF WATER TO THIS SPRINKLER SYSTEM MUST HAVE A TAMPER PROOF SWITCH INSTALLED. SIDE WALL SPRINKLER HEADS SHALL HAVE EXTENDED COVERAGE.

> 10. DEVIATIONS TO THESE DOCUMENTS, MADE NECESSARY DUE TO FIELD CONDITIONS, OR APPROVED REVISIONS SHALL BE RECORDED IN PENCIL AND SUBMITTED IN ACCORDANCE WITH SPECIFICATION SECTION 017800.

11. ALL PIPING AND EQUIPMENT SHALL BE PROTECTED FROM EARTHQUAKE DAMAGE PER NFPA-13 LATEST EDITION. 12. ALL SPRINKLER PIPE AND FITTINGS SHALL BE INSTALLED SO THAT THE SYSTEM

MAY BE DRAINED PER NFPA-13 13. ON WET PIPE SYSTEM. SPRINKLER PIPE MAY BE INSTALLED LEVEL. TRAPPED PIPING SHALL BE DRAINED PER NFPA-13.

A. FOR TRAPPED SECTION OF PIPE THAT IS 5 GAL. OR LESS, PROVIDE A TEE WITH A PLUG AT THE END OF BRANCH LINE.

B. FOR TRAPPED SECTION OF PIPE THAT IS MORE THAN 5 GALS. AND LESS THAN 50

GALS, PROVIDE A VALVE AT LEAST 3/4" IN SIZE AND A PLUG. C. FOR TRAPPED SECTION OF PIPE THAT IS MORE THAN 50 GALS., PROVIDE A VALVE

THAT IS AT LEAST 1" IN SIZE AND PIPE TO ACCESSIBLE LOCATION. 14. SUBMIT PRELIMINARY LAYOUT OF SPRINKLER SYSTEM FOR REVIEW. IF CHANGES

15. INTERIOR AND EXTERIOR (UNDERGROUND) PIPE SIZES AND OR LOCATIONS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. SPRINKLER SYSTEM SHALL BE HYDRAULICALLY CALCULATED AND ENGINEERED BY THE CONTRACTOR. CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK. ANY PIPE SIZE OR HEAD QUANTITY INCREASE OR DECREASE SHALL BE THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST

16. AS BUILT DRAWINGS, SHALL BE SUBMITTED IN PDF AND AUTOCAD FORMAT IN ACCORDANCE WITH THE SPECIFICATION SECTION 017800.

17. VALVE TAGS : ALL VALVES SHALL BE TAGGED.

ARE REQUIRED THE ENGINEER WILL PROVIDE NOTIFICATION.

18. ALL WATER SUPPLY SHUT OFF VALVES WHICH CONTROL THE SUPPLY OF WATER TO THIS SPRINKLER SYSTEM MUST HAVE TAMPER SWITCH INSTALLED.

| SYMBOL        | DESCRIPTION                                  |  |  |  |  |  |
|---------------|--|--|--|--|--|--|
|               | PIPING BELOW GRADE                           |  |  |  |  |  |
| SP            |  |  |  |  |  |  |
| ——DP——        | SPRINKLER PIPING (DRY PIPE)                  |  |  |  |  |  |
|               |  |  |  |  |  |  |
|               | RECESSED OR UPRIGHT SPRINKLER HEAD RELOCATED |  |  |  |  |  |
|               | UPRIGHT SPRINKLER HEAD NEW                   |  |  |  |  |  |
| $\mathcal{C}$ | REMOVE EXISTING SPRINKLER HEAD               |  |  |  |  |  |
| <u> </u>      | CONCEALED PENDANT SPRINKLER HEAD             |  |  |  |  |  |
| D——           | HORIZONTAL SIDEWALL SPRINKLER HEAD           |  |  |  |  |  |
| <b>─</b>      | WATER GONG                                   |  |  |  |  |  |
| <u>~</u> \$—  | SIAMESE CONNECTION                           |  |  |  |  |  |
| 0+            | ELBOW UP                                     |  |  |  |  |  |
| <del></del>   | ELBOW DOWN                                   |  |  |  |  |  |
| <del></del>   | TEE UP                                       |  |  |  |  |  |
| <del></del>   | TEE DOWN                                     |  |  |  |  |  |
| <del></del>   | VALVE IN RISER                               |  |  |  |  |  |
| <b>──</b>     | GATE VALVE                                   |  |  |  |  |  |
| <u> </u>      | OS&Y GATE VALVE                              |  |  |  |  |  |
|               | GLOBE VALVE                                  |  |  |  |  |  |
|               | CHECK VALVE                                  |  |  |  |  |  |
|               | BALL VALVE                                   |  |  |  |  |  |
| ——ф—          | BUTTERFLY VALVE                              |  |  |  |  |  |
| <u> </u>      | STRAINER                                     |  |  |  |  |  |
| <u> </u>      | FLOW SWITCH                                  |  |  |  |  |  |
|               | STORZ CONNECTION                             |  |  |  |  |  |
| X             | PIPE ANCHOR                                  |  |  |  |  |  |
|               | PIPE GUIDE                                   |  |  |  |  |  |
|               | PIPE SLEEVE THRU WALL                        |  |  |  |  |  |
|               | UNION  |  |  |  |  |  |
|               | FLANGE CONNECTION                            |  |  |  |  |  |
| <u> </u>      | PRESSURE GAUGE                               |  |  |  |  |  |
|               | CONNECTION OF NEW TO EXISTING                |  |  |  |  |  |
|               | EXTENT OF DEMOLITION WORK                    |  |  |  |  |  |
|               | TAMPER SWITCH                                |  |  |  |  |  |

FIRE PROTECTION PIPING LEGEND



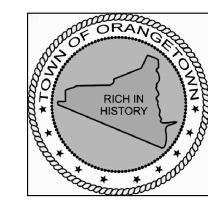
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White Plains Rochester Red Bank Hartford

# CBK Engineering PC

44-46 Foster Road Suite 7 Hopewell Junction, N.Y. 12533 T (914) 509-6557 F (914) 509-8162 CBK PROJECT NO. 21030

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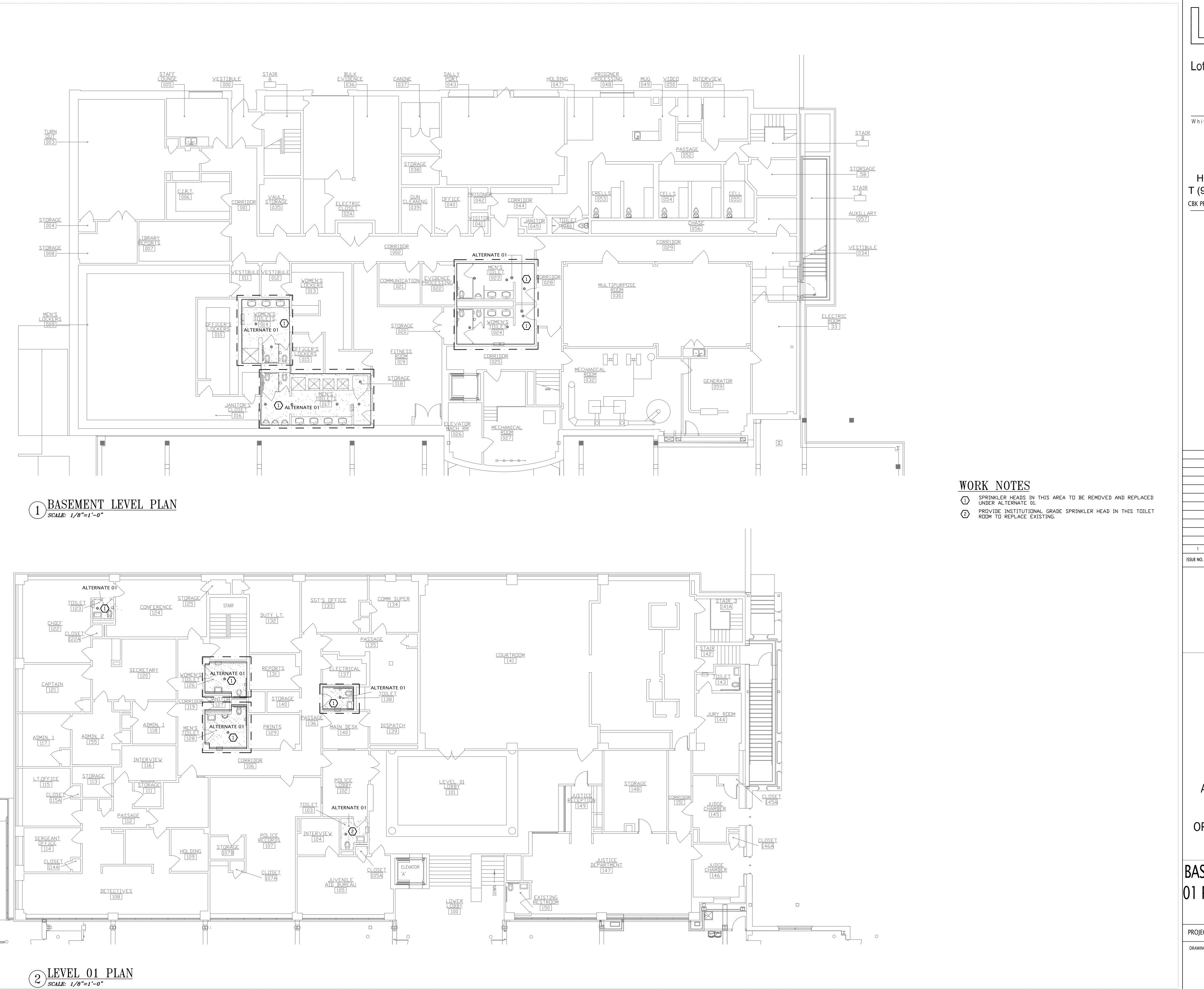
## ORANGETOWN TOWN HALL

ADDITION AND ALTERATIONS

26 ORANGEBURG RD ORANGEBURG, NEW YORK 10962

> GENERAL NOTES AND LEGEND

PROJECT NO.: 2219-05



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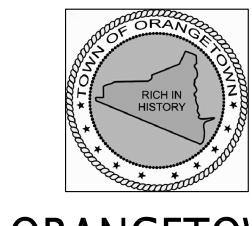
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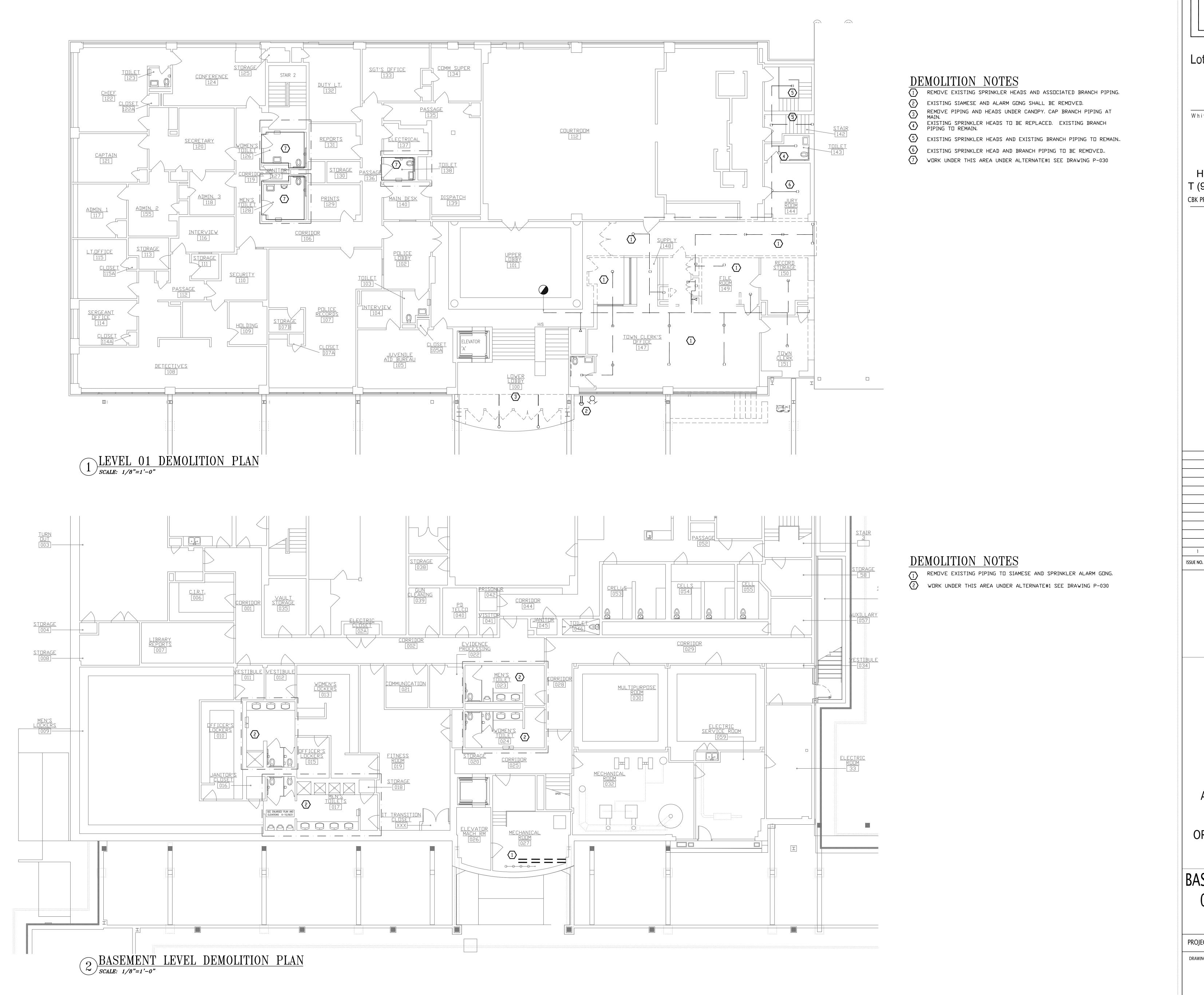
ORANGETOWN TOWN HALL

ADDITION AND ALTERATIONS

26 ORANGEBURG RD ORANGEBURG, NEW YORK 10962

BASEMENT LEVEL AND LEVEL 01 PLANS FOR ALTERNATE 01

PROJECT NO.: 2219-05





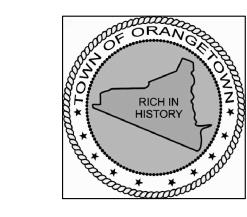
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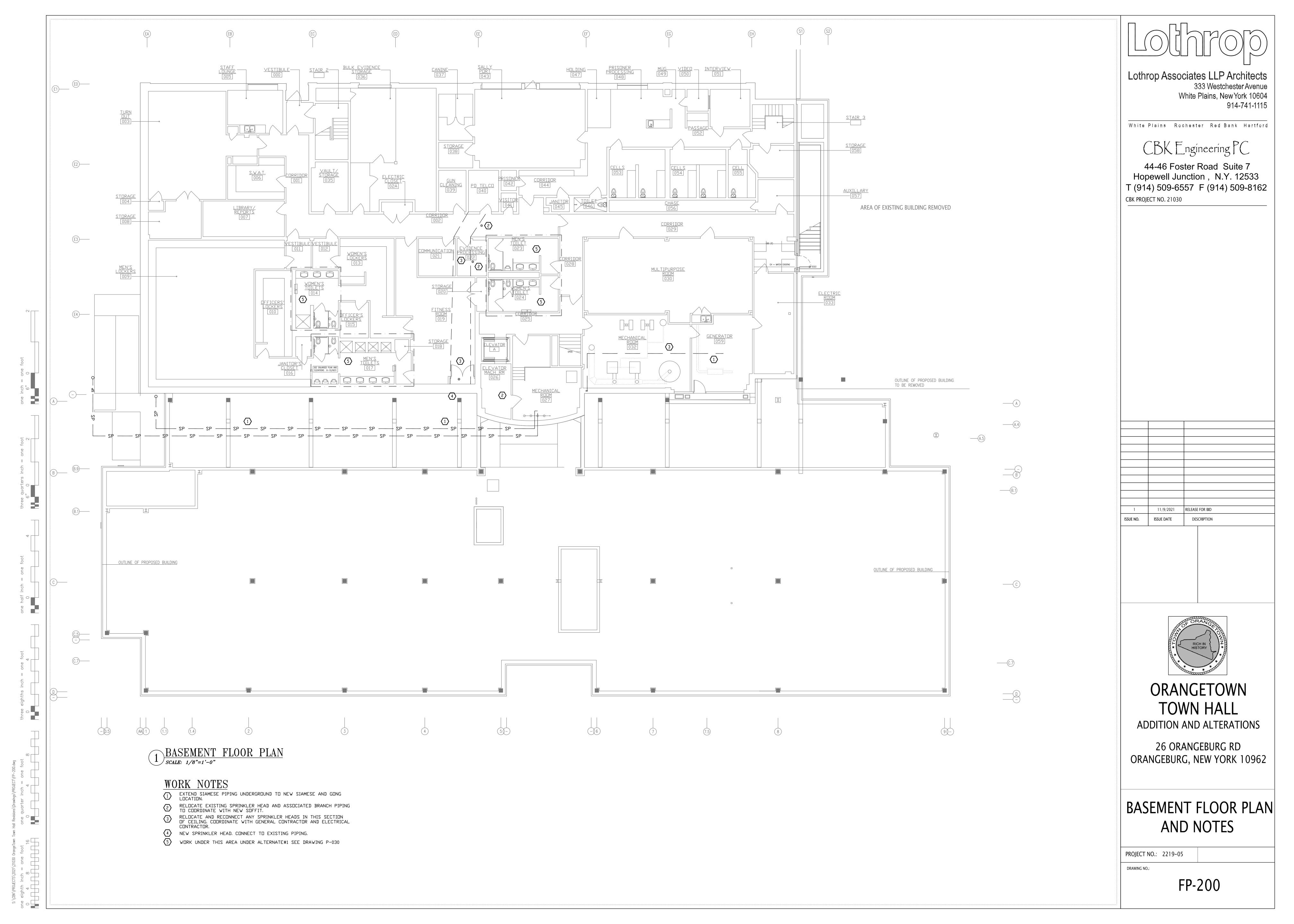
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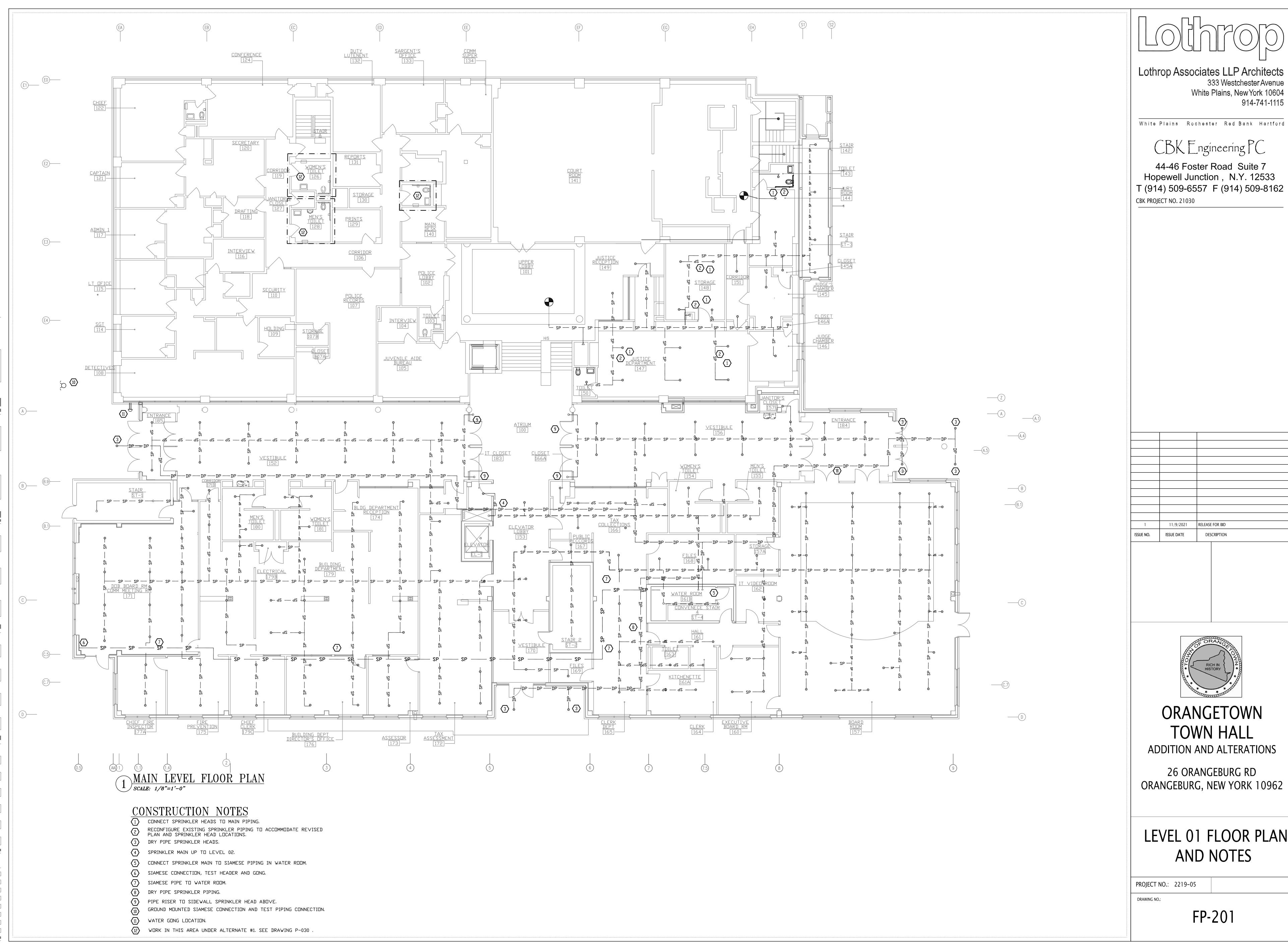
ADDITION AND ALTERATIONS

26 ORANGEBURG RD ORANGEBURG, NEW YORK 10962

BASEMENT LEVEL AND LEVEL 01 DEMOLITION PLANS AND NOTES

PROJECT NO.: 2219-05





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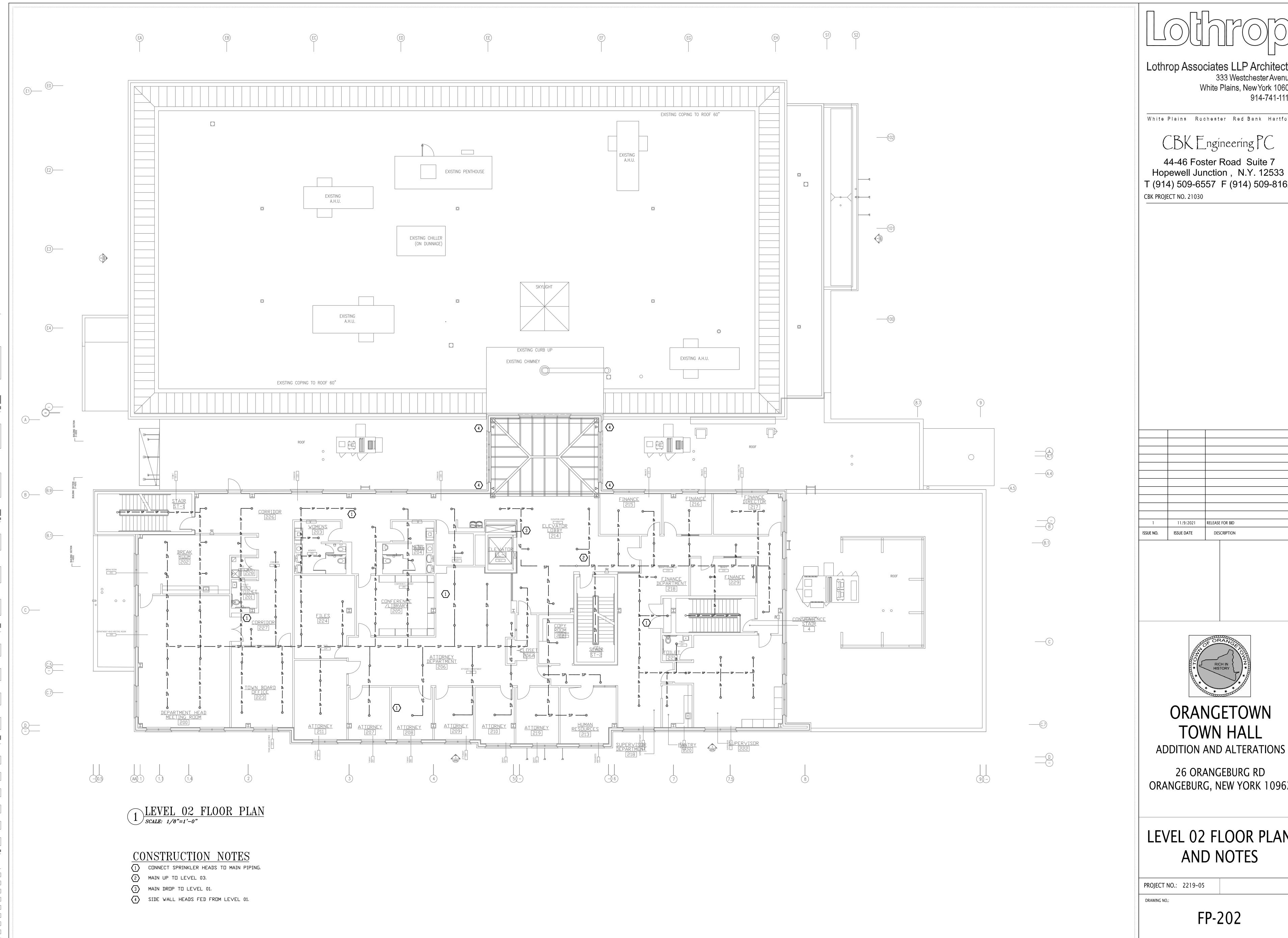


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ADDITION AND ALTERATIONS

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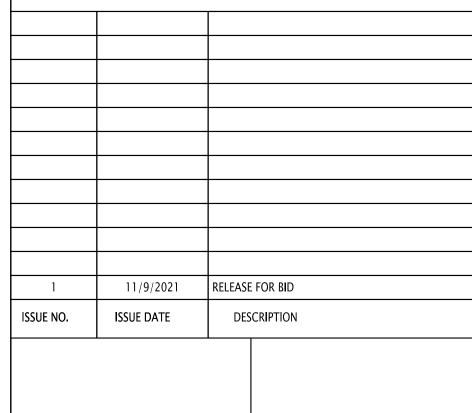
LEVEL 01 FLOOR PLAN AND NOTES

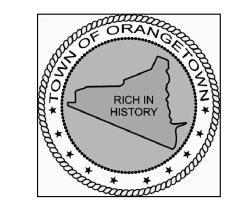


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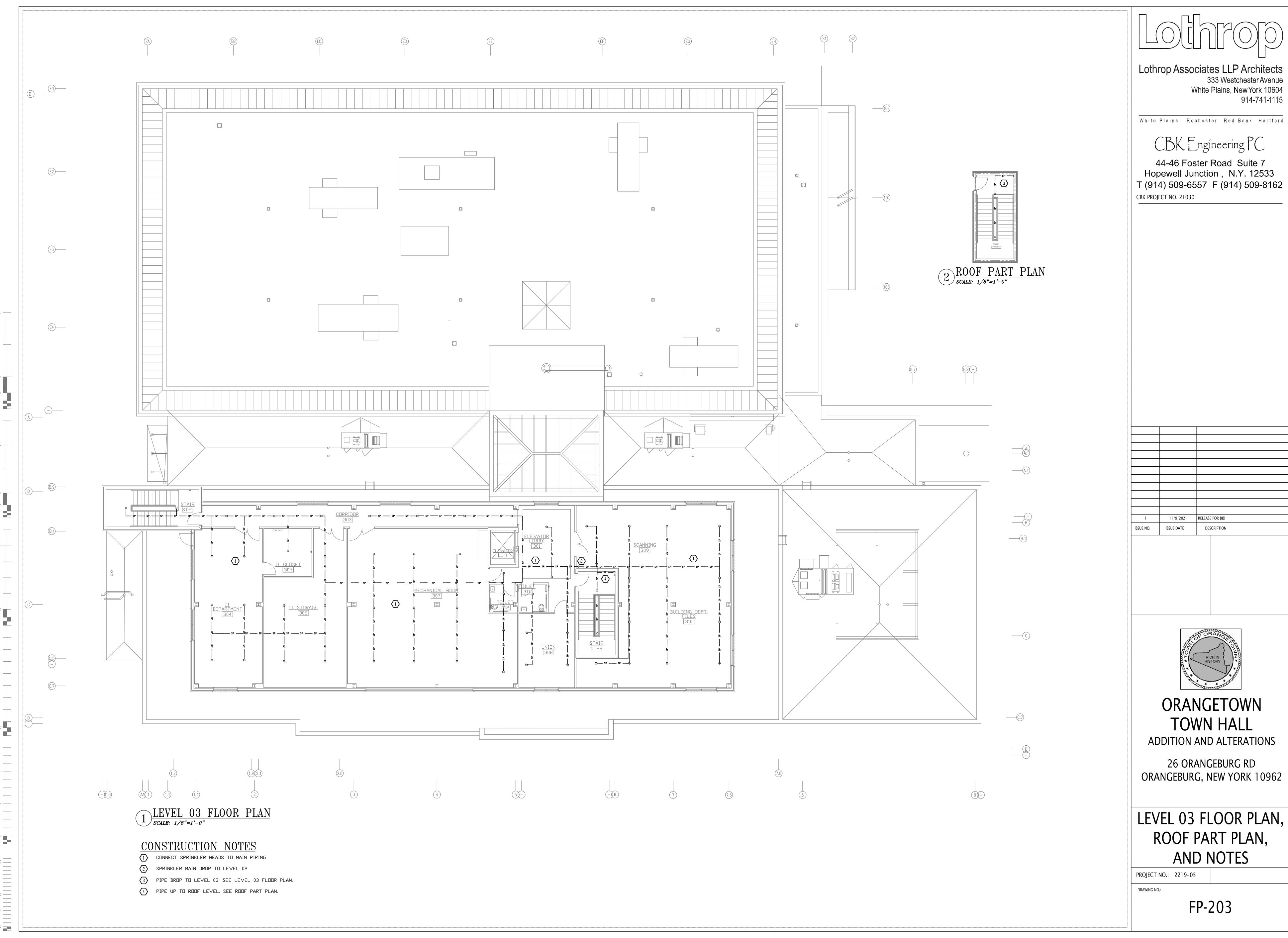


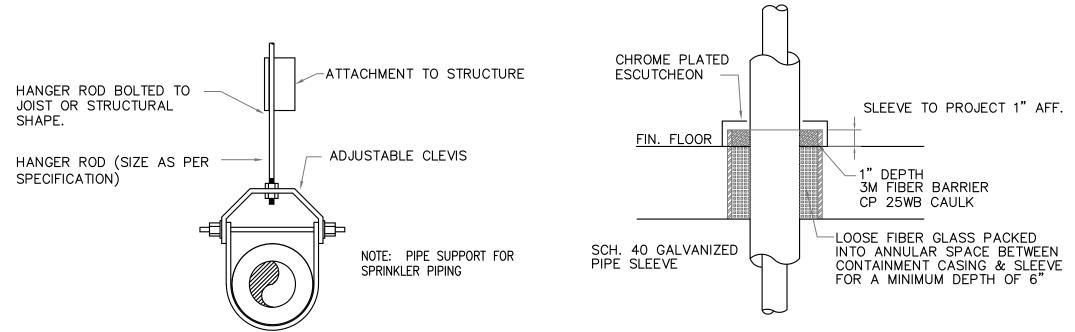


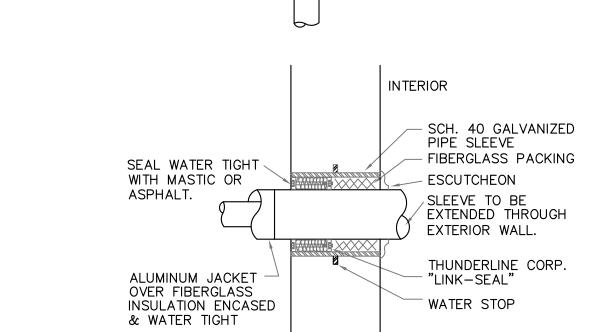
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LEVEL 02 FLOOR PLAN AND NOTES





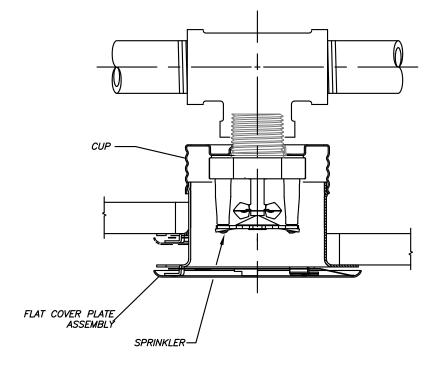


3 PIPE PENETRATION DETAIL SCALE: NO SCALE

| SYM              | HEAD CHART   |
|------------------|--|
| 0                | 165° UPRIGHT SPRINKLER HEAD<br>1/2" ORIFICE, K=11.2                    |
| 0                | 165'CONCEALED SPRINKLER HEAD W/WHITE COVER PLATE, 1/2" ORIFICE, K=5.62 |
| $\triangleright$ | SIDEWALL HEAD  |

| OGGLID ANGW                 | SPRINKLER                             | SYSTEM                         |                    |           |
|-----------------------------|---------------------------------------|--------------------------------|--------------------|-----------|
| OCCUPANCY<br>CLASSIFICATION | DESIGN DENSITY<br>GPM/FT <sup>2</sup> | DESIGN AREA<br>FT <sup>2</sup> | MFG. MODEL<br>NO.  | AREAS     |
| LIGHT HAZARD<br>OFFICE      | 0.1                                   | 1500                           | RELIABLE<br>JL112. | UPRIGHT   |
| LIGHT HAZARD<br>OFFICE      | 0.1                                   | 1500                           | RELIABLE<br>G4A.   | CONCEALED |
| LIGHT HAZARD<br>OFFICE      | 0.1                                   | 1500                           | RELIABLE<br>HSW1.  | SIDEWALL  |
| LIGHT HAZARD<br>OFFICE      | 0.1                                   | 1500                           | RELIABLE<br>JL112. | PENDANT   |

WHERE LISTED QUICK-RESPONSE SPRINKLERS ARE USED THROUGHT THE SYSTEM, THE DESIGN AREA IN THIS VERIFY DESIGN DENSITY AND DESIGN AREA PER CODE BASED ON OCCUPANCY OF ROOM.

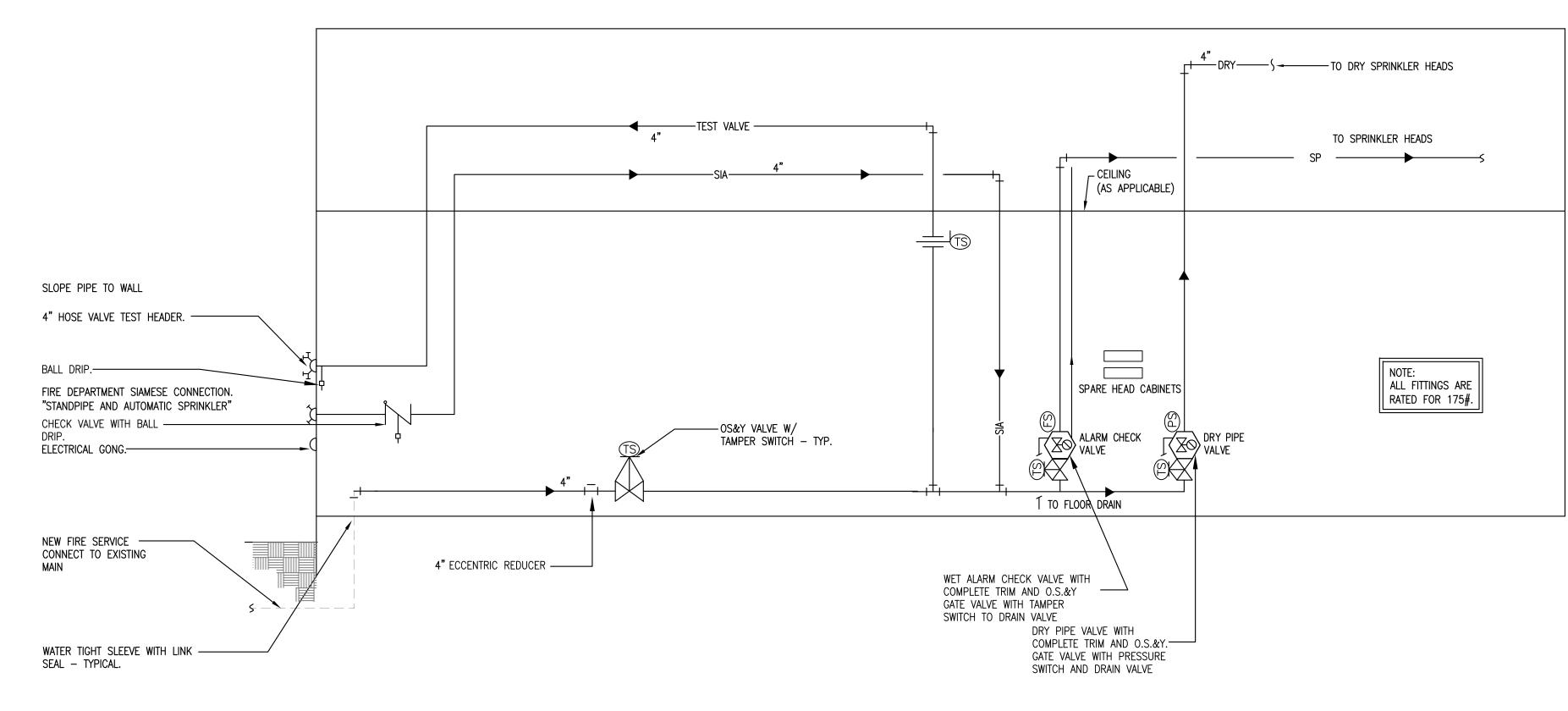


COVER PLATE: 1/2" [12.7mm] ADJUSTMENT

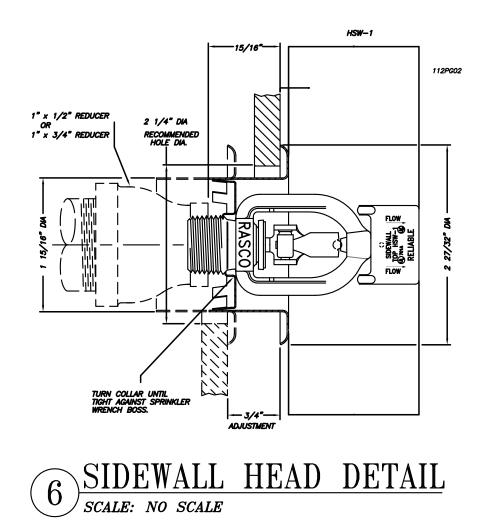
4 CONCEALED HEAD DETAIL SCALE: NO SCALE

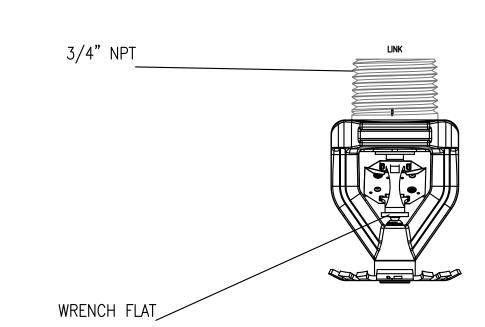


1 PIPE HANGER DETAIL SCALE: NO SCALE



5 FIRE PROTECTION RISER DIAGRAM SCALE: NO SCALE





7 PENDANT SPRINKLER HEAD DETAIL SCALE: NO SCALE



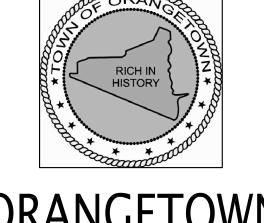
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RELEASE FOR BID 11/9/2021 ISSUE DATE ISSUE NO. DESCRIPTION



## ORANGETOWN TOWN HALL

ADDITION AND ALTERATIONS

26 ORANGEBURG RD ORANGEBURG, NEW YORK 10962

> RISER DIAGRAM, SCHEDULES AND **DETAILS**

PROJECT NO.: 2219-05

ALL WORK IS NEW UNLESS DESIGNATED AS EXISTING.

CONTROLS ARE OF THE SAME MANUFACTURE.

1. COORDINATION OF WORK A. CAREFULLY CHECK SPACE REQUIREMENTS WITH OTHER TRADES TO INSURE THAT ALL MATERIALS CAN BE INSTALLED IN THE SPACES ALLOTTED THERETO, INCLUDING FINISHED SUSPENDED CEILINGS. TRANSMIT TO OTHER TRADES ALL INFORMATION REQUIRED FOR WORK TO BE PROVIDED UNDER THEIR RESPECTIVE SECTIONS IN AMPLE TIME FOR INSTALLATION.

B. WHEREVER WORK INTERCONNECTS WITH WORK OF OTHER TRADES COORDINATE WITH OTHER TRADES TO INSURE THAT ALL TRADES HAVE THE INFORMATION NECESSARY SO THEY MAY PROPERLY INSTALL ALL THE NECESSARY CONNECTIONS AND EQUIPMENT. IDENTIFY ALL WORK ITEMS (VALVES, DRAINS, ETC.) IN AN APPROVED MANNER IN ORDER THAT THE GENERAL CONTRACTOR WILL KNOW WHERE TO INSTALL ACCESS DOORS AND PANELS. CONSULT WITH OTHER TRADES REGARDING EQUIPMENT SO, WHEREVER POSSIBLE, MOTORS AND

C. FURNISH AND SET ALL SLEEVES FOR PASSAGE OF PIPES AND CONDUITS THROUGH STRUCTURAL MASONRY AND CONCRETE WALLS AND FLOORS, AND ELSEWHERE AS WILL BE REQUIRED FOR THE PROPER PROTECTION OF EACH PIPE PASSING THROUGH BUILDING SURFACES. PROVIDE REQUIRED SUPPORTS AND HANGERS FOR PIPING FIXTURES AND EQUIPMENT, SO LOADING WILL NOT EXCEED ALLOWABLE LOADINGS OF STRUCTURE.

D. ALL CUTTING AND PATCHING REQUIRED FOR PLUMBING WORK IN THE BUILDING STRUCTURE SHALL BE DONE BY THIS CONTRACTOR SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR MEANS AND METHODS. FINISH PATCHING SHALL BE BY GENERAL CONTRACTOR.

E. PROVIDE ALL ITEMS AND WORK CALLED FOR IN THIS DIVISION OF THE SPECIFICATIONS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THIS INCLUDES ALL INCIDENTALS, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SCAFFOLDING, SUPPORTS, TOOLS, SUPERVISION, LABOR CONSUMABLE ITEMS, FEES, LICENSES, ETC., NECESSARY TO PROVIDE COMPLETE SYSTEMS. PERFORM START UP AND CHECK OUT ON EACH ITEM AND SYSTEM TO PROVIDE FULLY OPERABLE SYSTEMS.

F. COMPLY WITH APPLICABLE GOVERNMENTAL REGULATIONS. COMPLY WITH ALL FEDERAL, STATE, CITY, AND OTHER APPLICABLE CODES AND ORDINANCES APPLICABLE TO PLUMBING DESIGN. IF ANY CONFLICT ARISES BETWEEN THESE SPECIFICATIONS, CODES AND ORDINANCES, THE MOST STRINGENT REQUIREMENTS APPLIES. DO NOT DEVIATE FROM THE SPECIFICATIONS NOR INSTALL ANY WORK WHICH MAY BE IN CONFLICT WITH CODES AND ORDINANCES UNTIL THE CONFLICT IS RESOLVED AND THE SOLUTION APPROVED BY ARCHITECT AND ENGINEER.

G. COMPLY WITH REQUIREMENTS OF LOCAL UTILITY COMPANY.

H. CONFORM THE PLUMBING WORK TO THE REQUIREMENTS HEREIN. PROVIDE OFFSETS, FITTINGS, DRAINS, AND ACCESSORIES WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK, AND ARRANGE THE WORK ACCORDINGLY. PROVIDE SUCH PIPING, FITTINGS, VALVES, AND ACCESSORIES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS.

2. WORKMANSHIP: ONLY THE BEST OF WORKMANSHIP IN ACCORDANCE WITH PRESENT STANDARDS WILL BE ACCEPTABLE. ANY WORK INSTALLED AND ADJUDGED BY THE ENGINEER TO BE BELOW STANDARDS SHALL BE REMOVED AND REPLACED AT THE PLUMBING CONTRACTOR'S EXPENSE.

3. PAY FOR ALL PERMITS AND FEES

4. PLACE VALVES. UNIONS, DRAINS, AND ITEMS REQUIRING MAINTENANCE, ADJUSTMENT, OR REPAIR, IN ACCESSIBLE LOCATIONS. PROVIDE ACCESS DOORS FOR ALL DEVICES.

5. ESTABLISH CEILING MARKER LOCATIONS AND SIZES. 6. ELECTRICAL CONNECTIONS A. POWER SUPPLY WILL BE PROVIDED UNDER ELECTRICAL CONTRACT.

B. TO FACILITATE ELECTRICAL CONNECTIONS EQUIP ELECTRICAL ITEMS WITH NEMA ENCLOSURES HAVING ADEQUATE KNOCKOUTS, CONNECTORS, TERMINAL BLOCKS AND/OR CONTACTS.

7. ALL PIPING SHALL BE INSTALLED PER SEISMIC REQUIREMENT. 8. PIPE HANGER AND SUPPORT INSTALLATION

A. REFER TO MSS-SP-58; STANDARD FOR PIPE HANGERS AND SUPPORTS. B. SUPPORT, ANCHOR, AND GUIDE PIPING SYSTEMS TO WITHSTAND STATIC AND DYNAMIC LOAD CONDITIONS, TO ALLOW FOR EXPANSION AND CONTRACTION; TO PREVENT VIBRATION AND SWAYING; TO MAINTAIN

C. DO NOT SUPPORT PIPING FROM OTHER PIPING OR DUCTWORK. DO NOT USE WIRE, TAPE, METAL BANDS, OR OTHER MAKE-SHIFT DEVICES AS MEANS OF SUPPORT OR ATTACHMENT.

ALIGNMENT AND MINIMIZE VERTICAL DEFLECTION.

9. PIPE SLEEVE INSTALLATION A. PROVIDE FOR PIPING PASSING THROUGH WALLS, PARTITIONS, AND SLAB SLEEVES SIZED AT LEAST 1 INCH LARGER THAN OD OF PIPE FOR UNINSULATED LINES AND OF PIPE PLUS INSULATION FOR INSULATED LINES.

B. SLEEVES ARE REQUIRED FOR PIPING PASSING THROUGH FIRE-RATED WALLS CONSTRUCTED OF METAL STUDS AND GYPSUM WALLBOARD. FLANGE ENDS OF SLEEVES TIGHT TO BOTH SIDES OF WALL. C. TERMINATE SLEEVES THROUGH WALLS, PARTITIONS, AND CEILINGS FLUSH WITH FINISHED SURFACES; THROUGH SLABS 1/2" ABOVE FLOOR FINISH IN HABITABLE SPACES AND 2" ABOVE ROUGH FINISH IN PIPE SPACES AND OTHER UNFINISHED AREAS. D. FILL VOID SPACES BETWEEN PIPING AND PIPE SLEEVES WITH PENETRATION SEAL, OR WITH MINERAL WOOL SEALED WITH FIRE TESTED AND APPROVED ELASTOMERIC CAULKING MATERIALS.

10. SUBMITTALS

A. PRODUCT DATA: SUBMIT MANUFACTURER'S TECHNICAL PRODUCT DATA, INCLUDING RATED CAPACITIES OF SELECTED MODEL CLEARLY INDICATED, FURNISHED SPECIALTIES AND ACCESSORIES; AND INSTALLATION INSTRUCTIONS. B. SHOP DRAWINGS: SUBMIT MANUFACTURER'S ASSEMBLY TYPE SHOP DRAWINGS INDICATING DIMENSIONS, ROUGHING-IN REQUIREMENTS, REQUIRED CLEARANCES, AND METHODS OF ASSEMBLY OF COMPONENTS AND ANCHORAGES.

PLUMBING LEGEND

-----OSD ----- | DVERFLOW DRAIN PIPING

ELBOW DOWN

TEE DOWN

VALVE IN RISER

OS&Y GATE VALVE

SAFETY RELIEF VALVE

PRESSURE REDUCING VALVE

ANGLE VALVE

— · — | COLD WATER PIPING

—— HOT WATER PIPING

---- w ----- | SANITARY PIPING

O<del>l |</del> ELBOW UP

──────── | GATE\_VALVE

— D®J—— I GL□BE VALVE

BALL VALVE

—-Ф—— | PLUG VALVE

× PIPE ANCHOR

O-C---

нв —

CO I----

FCO@----

WCO HO

FD 🔀

 $AD \bigcirc$ 

RD 🔘

(M)

BACKWATER VALVE

PIPE SLEEVE THRU WALL

- RUNNING TRAP

| WALL HYDRANT

| FLANGE CONNECTION

FLOOR CLEAN OUT

WALL CLEAN DUT

FLOOR DRAIN

AREA DRAIN

FLOOR SINK

ROOF DRAIN

SHOWER HEAD

THERMOMETER

METER

PRESSURE GUAGE

CONNECT TO EXISTING

RISER DESIGNATION

LEGEND/SCHEDULE

DISCONNECT FROM EXISTING

SEE DRAWING P-302 FOR

OVER-FLOW ROOF DRAIN

CLEAN DUT

- P-TRAP

— HOSE BIBB

———— | FLEX CONNECTION

<del>──₩₩</del> UNION

------SD------- | STORM PIPING

—— VENT PIPING

——— G ——— | GAS PIPING

DESCRIPTION

SYMBOL

-+C+-

<del>- 121 -</del>

C. MAINTENANCE DATA: SUBMIT MAINTENANCE DATA AND PARTS LISTS FOR EACH TYPE OF PLUMBING FIXTURE AND ACCESSORY; INCLUDING "TROUBLE- SHOOTING" MAINTENANCE GUIDE. INCLUDE THIS DATA, PRODUCT DATA, AND AS BUILT DRAWINGS IN 3 RING BINDER AT COMPLETION OF PROJECT. 11. ADJUSTMENTS

A. UPON COMPLETION OF WORK, PERFORM THE FOLLOWING ADJUSTMENT PROCEDURES:

B. ADJUST SYSTEMS COMPONENTS FOR PROPER PERFORMANCE. OPEN AND CLOSE VALVES, SET IN PROPER OPERATING POSITION.

12. PIPING IDENTIFICATION A. CONSPICUOUSLY IDENTIFY PIPING WITH SELF-ADHERING VINYL PLASTIC COLOR BANDS AND PIPE MARKERS IMPRINTED WITH LEGEND, BASED ON ANSI A13.1 "SCHEME FOR THE IDENTIFICATION OF PIPING SYSTEMS".

B. APPLY LEGENDS TO FEED AND CROSS MAIN PIPING ADJACENT TO CHANGES IN DIRECTION, WHERE PIPES PASS THROUGH WALLS OR FLOORS, AT INTERVALS NOT EXCEEDING 40 FEET ON STRAIGHT PIPING RUNS, AND ADJACENT TO CROSS MAIN CONNECTIONS WITH FEED MAIN.

C. MINIMUM LETTER SIZE: 1/2" FOR PIPING 3/4" TO 1-1/4" OD. 3/4" FOR PIPING 1-1/2" TO 2" OD.

D. MINIMUM COLOR BAND WIDTH:

8" FOR PIPING 3/4" TO 2" OD. 13. OPERATING INSTRUCTIONS

A. INSTRUCT OWNER'S OPERATING PERSONNEL ON PROPER CARE, MAINTENANCE AND OPERATING PROCEDURES.

A. CLEAN PIPING PRIOR TO PAINTING AND INSTALLATION OF INSULATION. B. UPON COMPLETION OF WORK PERFORM THE FOLLOWING

CLEANING PROCEDURES:

REMOVE PROTECTIVE COVERS AFTER PAINTING. CLEAN PIPING AND EQUIPMENT. REMOVE SURPLUS MATERIALS AND RUBBISH. RESTORE DAMAGED SURFACE FINISHES.

<u>15. INSTALLATION — GENERAL</u> A. PREPARATION: CUT PIPE AND TUBING ENDS SQUARE. REMOVE BURRS AND REAM TO ORIGINAL BORE. CLEAN JOINT SURFACES PRIOR TO ASSEMBLY. WIPE OFF EXCESS JOINTING COMPOUNDS AND FLUX RESIDUE.

B. SCREWED: USE AMERICAN STANDARD TAPER PIPE THREADS CUT SHARP AND TRUE AND SUITABLE FOR NORMAL ENGAGEMENT. SCREW THREADED ITEMS UP CLOSE TO SHOULDERS WITH NOT MORE THAN THREE INCOMPLETE THREADS EXPOSED. DO NOT USE LAMP WICK, CORD, WOOL OR OTHER "WICKING" MATERIALS. REPAIR LEAKS WITH NEW MATERIALS, DO NOT PEEN OR CALK. "TEFLON" PIPE JOINT TAPE OR JOINT COMPOUNDS COMPOSED OF RED LEAD AND GRAPHITE GROUND IN LINSEED OIL WILL BE PERMITTED APPLIED TO MALE THREADS ONLY.

C. SOLDER: MAKE UP JOINTS WITH 95-5 TIN-ANTIMONY WIRE SOLDER AND NON- CORROSIVE FLUX. DO NOT USE 50-50 OR OTHER TIN-LEAD SOLDERS.

D. MECHANICAL COUPLING: USE MANUFACTURER'S MATERIALS AND METHODS.

16. PIPE HANGER AND SUPPORT INSTALLATION A. REFER TO MSS-SP-58; STANDARD FOR PIPE HANGERS AND SUPPORTS.

B. SUPPORT, ANCHOR, AND GUIDE PIPING SYSTEMS TO WITHSTAND STATIC AND DYNAMIC LOAD CONDITIONS, TO ALLOW FOR EXPANSION AND CONTRACTION; TO PREVENT

VIBRATION AND SWAYING; TO MAINTAIN ALIGNMENT AND MINIMIZE VERTICAL DEFLECTION. C. DO NOT SUPPORT PIPING FROM OTHER PIPING OR DUCTWORK. DO NOT USE WIRE, TAPE, METAL BANDS, OR OTHER MAKE-SHIFT DEVICES AS MEANS OF SUPPORT OR

ATTACHMENT. 17. HOT WATER HEATER A. HOT WATER HEATERS SHALL BE ELECTRIC POINT OF USE TYPE BOSCH ES2.5 FOR SINGLE LAVATORY TOILETS AND BOSCH ES8 FOR DUAL LAVATORIES.

18. FIRE/SMOKE STOPPING A. FILL VOID SPACE BETWEEN PIPING AND PIPE SLEEVES

WITH AN APPROVED FIRE/SMOKE SEAL. 19. TESTING A. GENERAL: TEST PLUMBING SYSTEMS TO SATISFACTION OF BUILDING OFFICIAL. DO NOT CLOSE IN, CONCEAL, OR

INSPECTED, AND APPROVED. B. FLUSH PIPING, PRIOR TO TESTING, TO REMOVE FOREIGN MATERIALS WHICH MAY HAVE ENTERED DURING COURSE OF INSTALLATION. CLEAN FILTERS AND STRAINERS AFTER FLUSHING.

COVER UP ANY WORK UNTIL IT HAS BEEN TESTED,

20. GUARANTEE A. SUPPLY TWO COPIES OF A WARRANTY COUNTERSIGNED AND GUARANTEED BY CONTRACTOR, STATING THAT IMPERFECT SYSTEM OPERATION AND ALL DEFECTS IN LABOR AND MATERIALS OF WORK WILL BE REPAIRED WITHOUT COST TO OWNER FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION, AND STATING THAT ALL EQUIPMENT HAS BEEN FULLY SERVICED AND

LEFT IN PROPER OPERATING CONDITION. B. ALSO GUARANTEE THAT SERVICING WILL BE PROVIDED

WITHOUT COST DURING GUARANTEE PERIOD.

### ABBREVIATIONS LIST

BATH TUB/SHOWER SANITARY SINK SK BOILER EXISTING URINAL COLD WATER VENT V.I.F. VERIFY IN FIELD CLEAN DUT VENT THROUGH ROOF DOWN WASTE ELECTRIC HOT WATER HEATER HZAW WASHER WATER CLOSET FD FLOOR DRAIN WALL CLEANDUT WATER FOUNTAIN FLOOR CLEAN OUT WATER HEATER GALLONS PER MINUTE WATER HAMMER ARESTOR HANDICAPPED LAVATORY WATER HEATER EXISTING

HANDICAPPED WATER CLOSET HW HOT WATER LAVATORY MOP BASIN MOP SINK

PSK PANTRY SINK RTU ROOFTOP UNIT

### GENERAL NOTES

1. THE PLUMBING INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE PLUMBING SECTION OF THE BUILDING CODE OF THE STATE OF NEW YORK- 2020. 2. WORK SHALL BE IN COMPLIANCE WITH OWNERS REQUIREMENTS AND IN COOPERATION WITH THE OWNERS

REPRESENTATIVE.

3. LOCATIONS OF EQUIPMENT ROUGHING SHOWN ON THIS DRAWING ARE DIAGRAMMATIC VERIFY FINAL EQUIPMENT SIZE, VERIFY LOCATION AND ALL ROUGHING REQUIREMENTS.

4. THE FIXTURE LOCATIONS SHOWN ARE DIAGRAMMATIC. SEE ARCHITECTURAL DRAWINGS FOR FINAL LOCATIONS. 5. PITCH ON DRAIN PIPING SHALL BE NO LESS THAT 1/4" PER FOOT OF RUN.

6. ALL PIPING INSTALLED ON THE PROJECT SHALL BE PRESSURE TESTED PER NEW YORK STATE CODE. WATER PIPING SHALL BE HYDROSTATICALY TESTED TO 200 PSIG FOR A PERIOD OF ONE HOUR WITHOUT LOSS OF PRESSURE, SANITARY, WASTE AND VENT ROUGH PIPING SHALL BE TESTED AS A SYSTEM OR IN SECTIONS. IF TESTED AS A SYSTEM ALL OPEN PIPING SHALL BE TIGHTLY CLOSED, EXCEPT THE HIGHEST OPENING, AND THE SYSTEM COMPLETELY FILLED WITH WATER TO POINT OF OVERFLOW. ALL SYSTEM JOINTS SHALL BE INSPECTED FOR WATER TIGHTNESS. ANY JOINT FOUND LEAKING SHALL BE REPAIRED AND THE TEST REPEATED UNTIL SYSTEM JOINTS ARE WATER TIGHT. IF SYSTEM IS TESTED IN

SECTIONS, EACH OPENING SHALL BE TIGHTLY PLUGGED EXCEPT THE HIGHEST OPENING OF THE SECTION UNDER TEST, AND EACH SECTION SHALL BE FILLED WITH WATER BUT NO SECTION SHALL BE TESTED WITH LESS THAN 10-FOOT HEAD OF WATER, WATER SHALL BE KEPT IN THE SYSTEM OR THE PORTION UNDER TEST FOR AT LEAST 15 MINUTES BEFORE INSPECTION STARTS. AFTER THE FIXTURES HAVE BEEN SET AND THEIR TRAPS FILLED WITH WATER, THEIR CONNECTIONS SHALL BE TESTED AND PROVED GAS AND WATER TIGHT. GAS TIGHTNESS TESTS SHALL BE CONDUCTED USING EITHER THE SMOKE OR PEPPERMINT TEST.

7. THE USE OF THREADED ROD FOR SUPPORTS IN COMPRESSION SHALL NOT BE ACCEPTED. THE CONTRACTOR SHALL USE B-LINE SYSTEMS B22 CHANNEL, IN SINGLE OR COMBINATION SHAPES, WITH APPROPRIATE ACCESSORIES. B-LINE B280 POST BASE SHALL BE USED FOR ALL VERTICAL SUPPORTS. FINISH SHALL BE B-LINE "DURA-GREEN" EPOXY COATING.



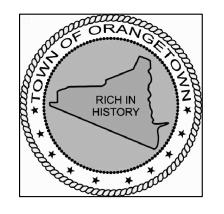
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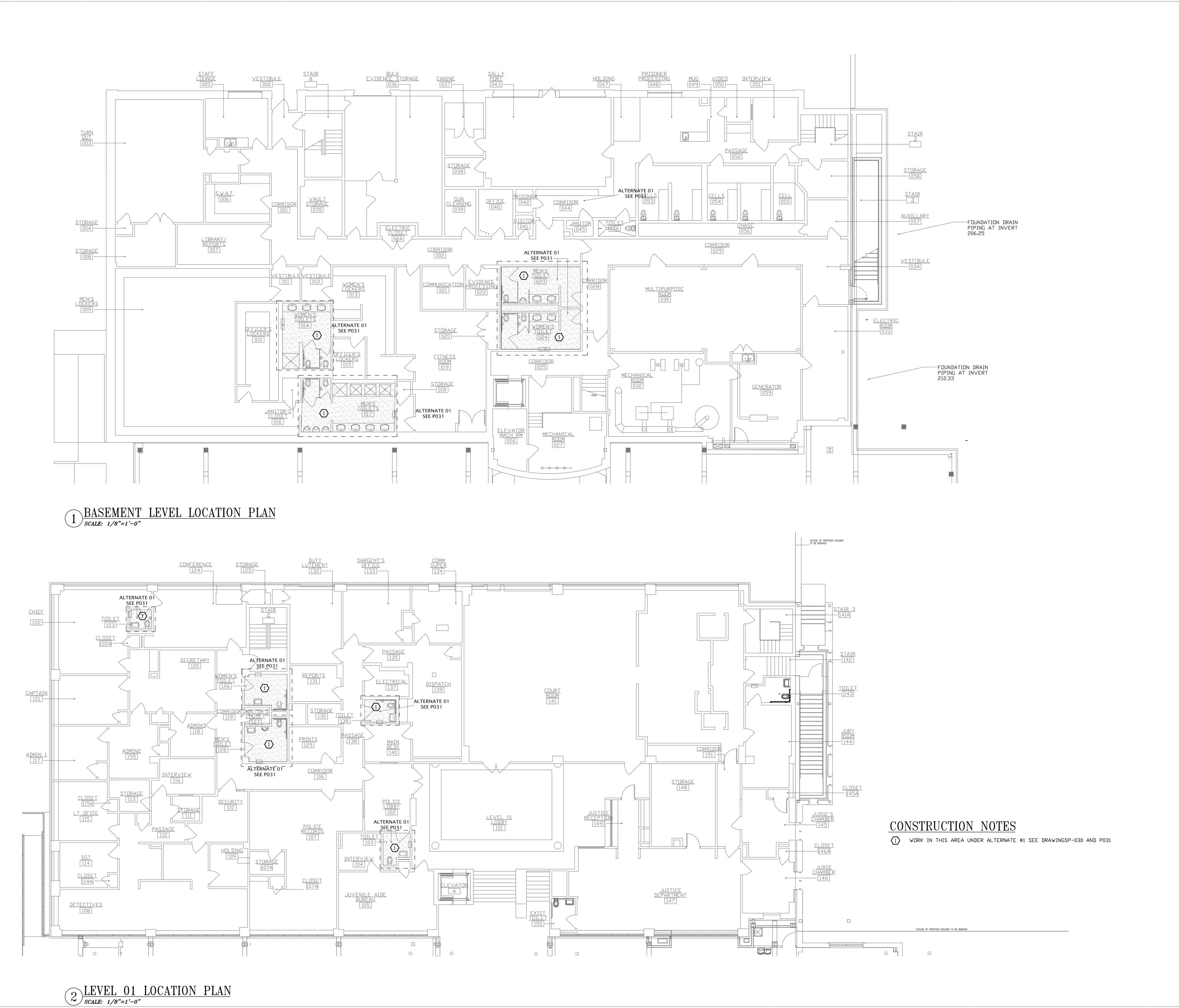


## ORANGETOWN TOWN HALL ADDITION AND ALTERATIONS

26 ORANGEBURG RD ORANGEBURG, NEW YORK 10962

ABBREVIATION LIST, GENERAL NOTES AND LEGEND

PROJECT NO.: 2219-05

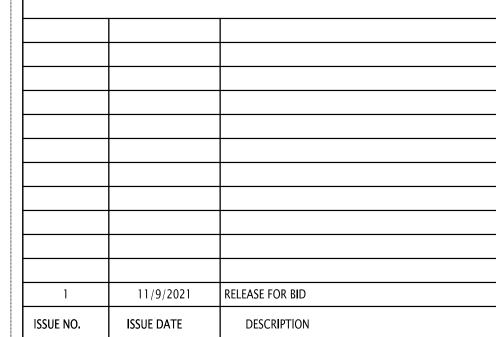


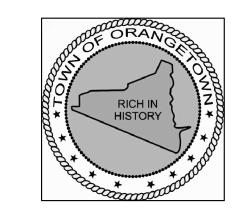


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## ORANGETOWN TOWN HALL

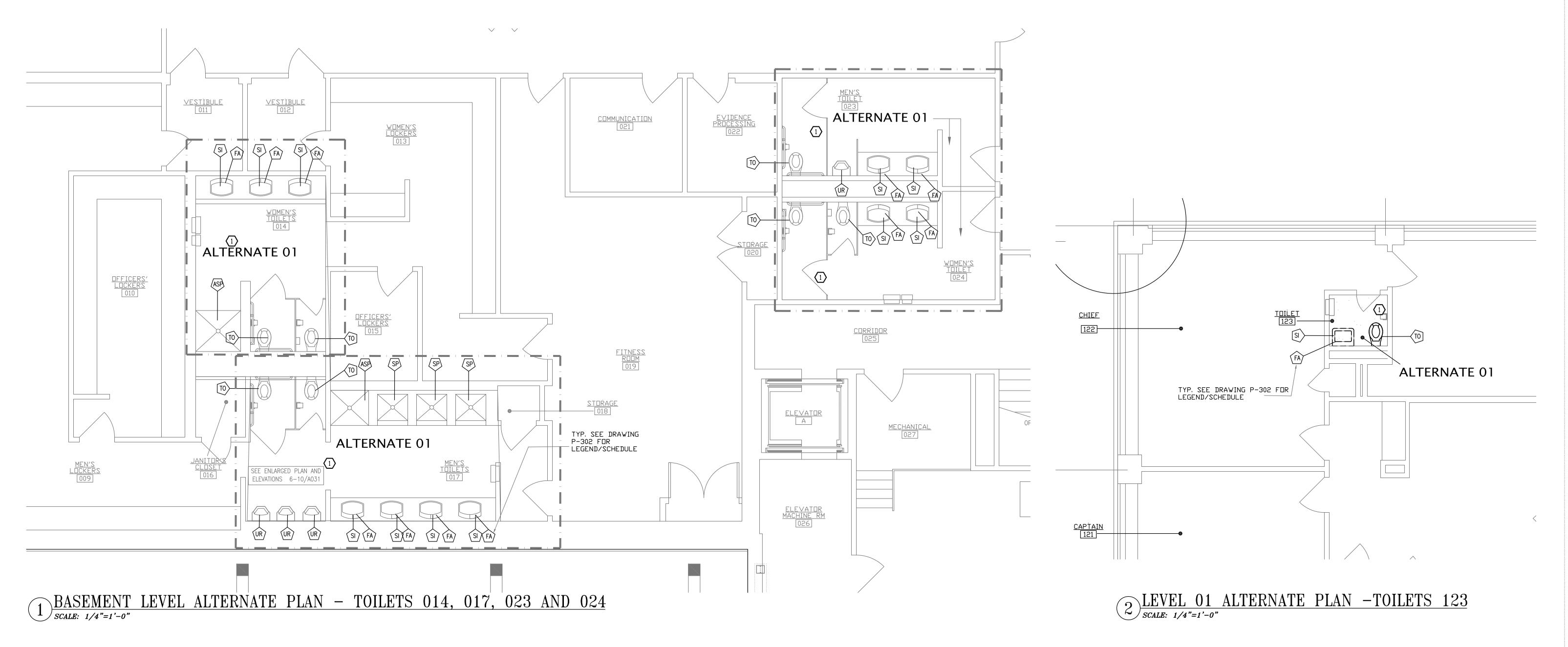
ADDITION AND ALTERATIONS

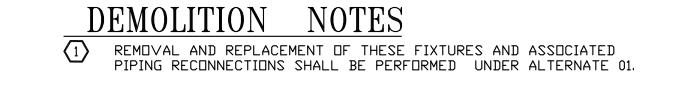
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## BASEMENT LEVEL AND LEVEL 01 LOCATION PLANS FOR ALTERNATE 01

PROJECT NO.: 2219-05

DRAWING A





REPÜRTS 131

> POLICE LOBBY 102

ALTERNATE 01,

INTERVIEW 104

3 <u>LEVEL 01 ALTERNATE PLAN -TOILETS 103, 126, 128, AND 138</u>

SCALE: 1/4"=1'-0"

ALTERNATE 01

TYP. SEE DRAWING P-302 FOR LEGEND/SCHEDULE



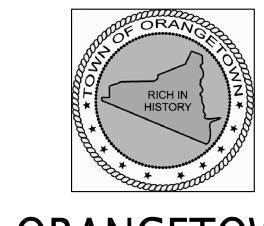
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## ORANGETOWN TOWN HALL

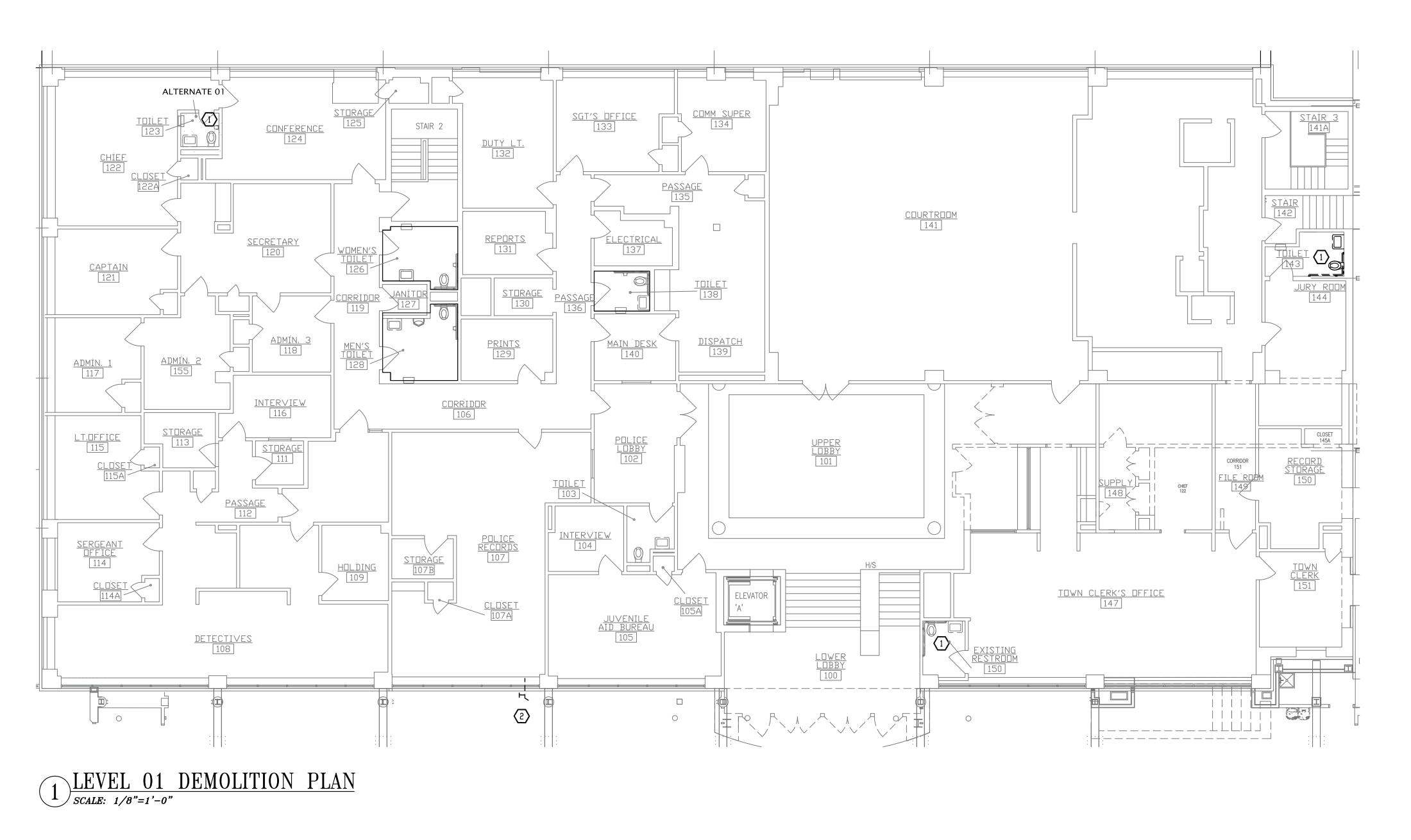
ADDITION AND ALTERATIONS

26 ORANGEBURG RD ORANGEBURG, NEW YORK 10962

ALTERNATE PLANS AND NOTES

PROJECT NO.: 2219-05

DRAWING NO.:



DEMOLITION NOTES

DEMOLITION NOTES

GAS PIPING IN CEILING TO BE ABANDONED.

REMOVE GAS PIPING IN BOILER ROOM. REPIPE FROM NEW SERVICE. SEE P-201. COORDINATE PHASING OF GAS PIPING SWITCHOVER WITH ORANGE AND ROCKLAND UTILITY.

REMOVE EXISTING GAS METER FOR BUILDING AND CAP PIPING. COORDINATE WITH ORANGE AND ROCKLAND UTILITY.

- REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED BRANCH PIPING
- PIPING

  REMOVE EXISTING HOSE BIBB TO INSIDE BUILDING. CAP PIPING INSIDE BUILDING.

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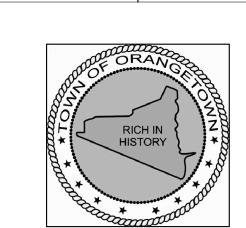
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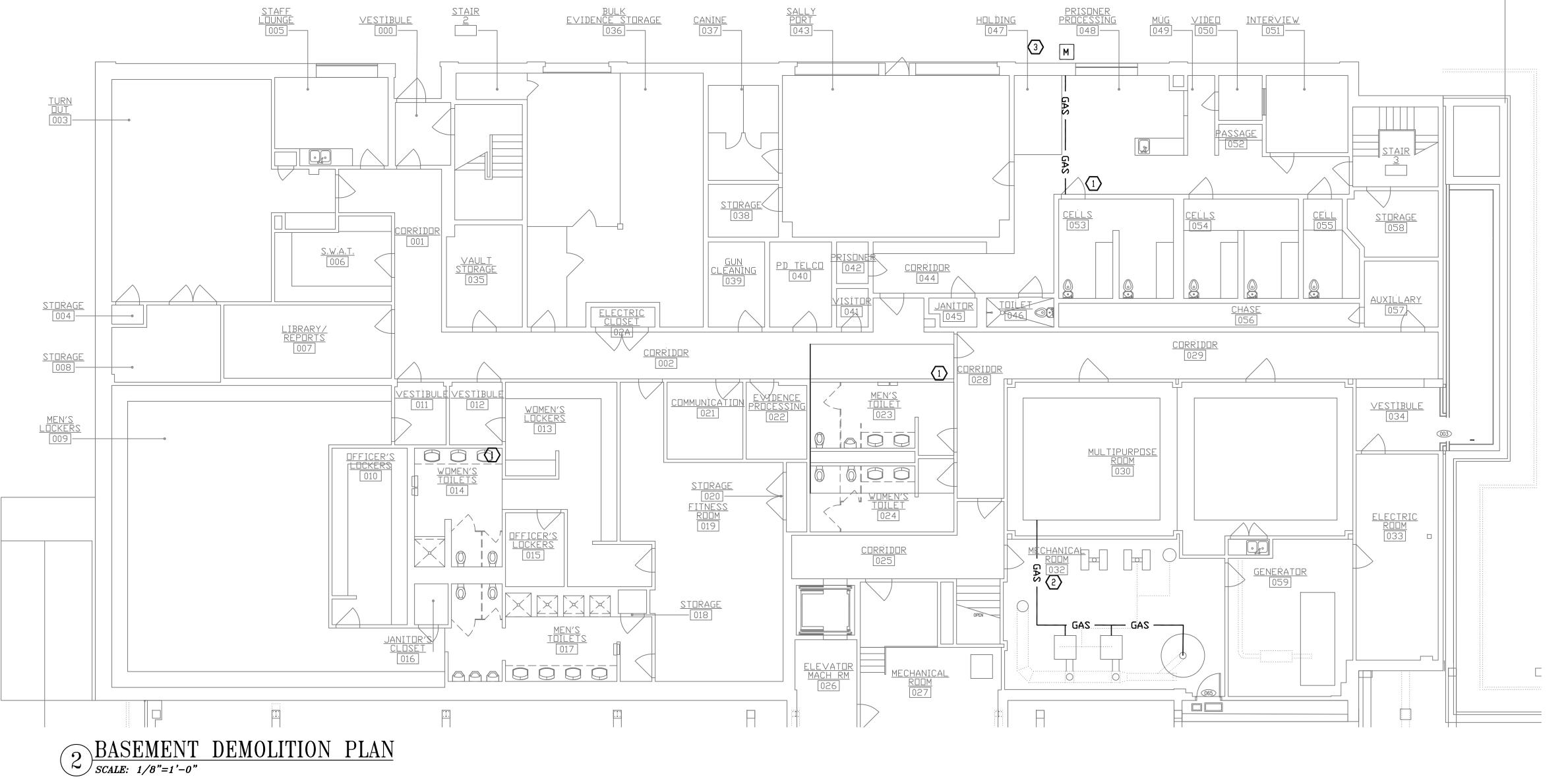
ADDITION AND ALTERATIONS

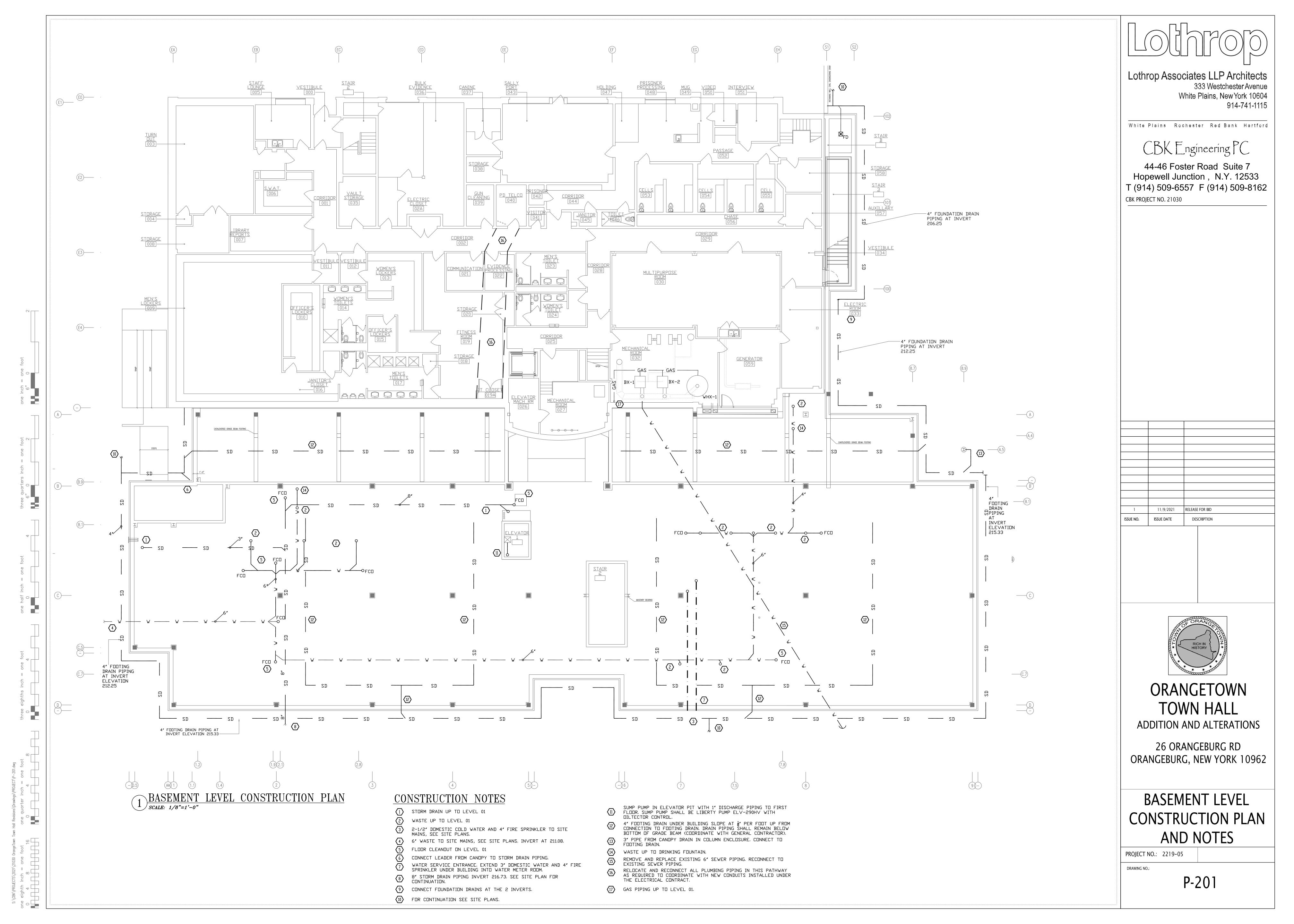
26 ORANGEBURG RD ORANGEBURG, NEW YORK 10962

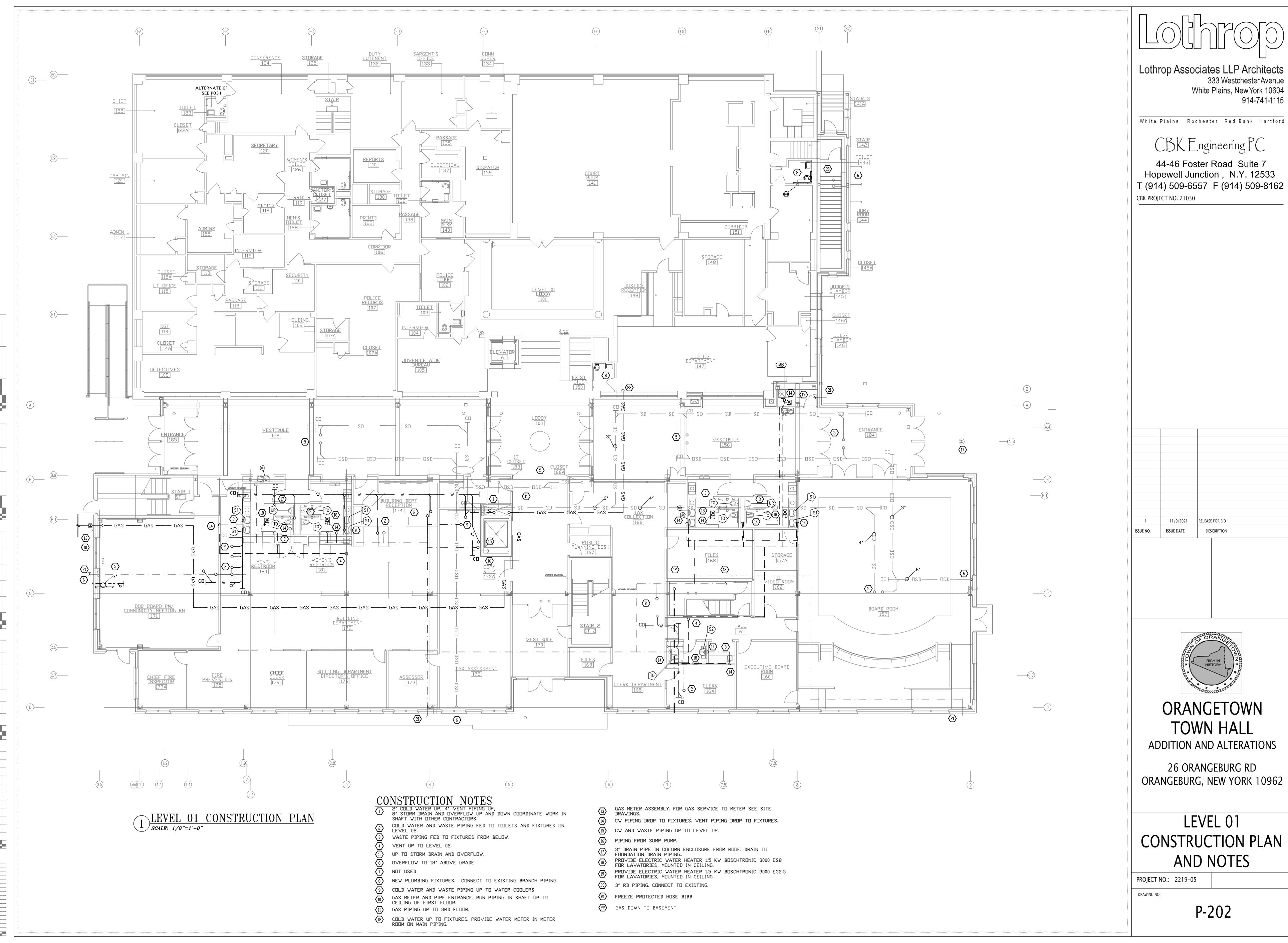
BASEMENT AND LEVEL 01
DEMOLITION PLAN
AND NOTES

PROJECT NO.: 2219-05

DRAWING A





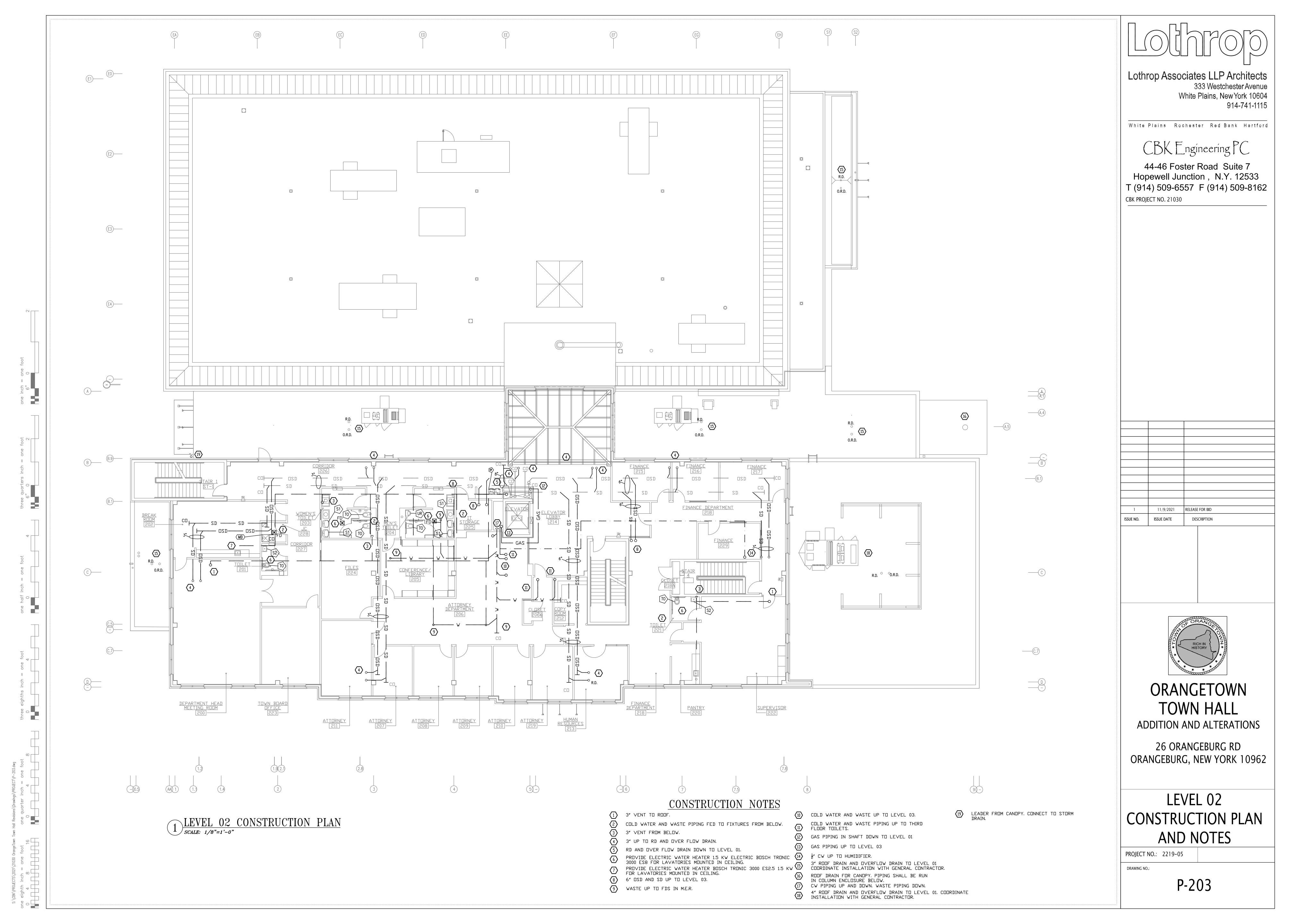


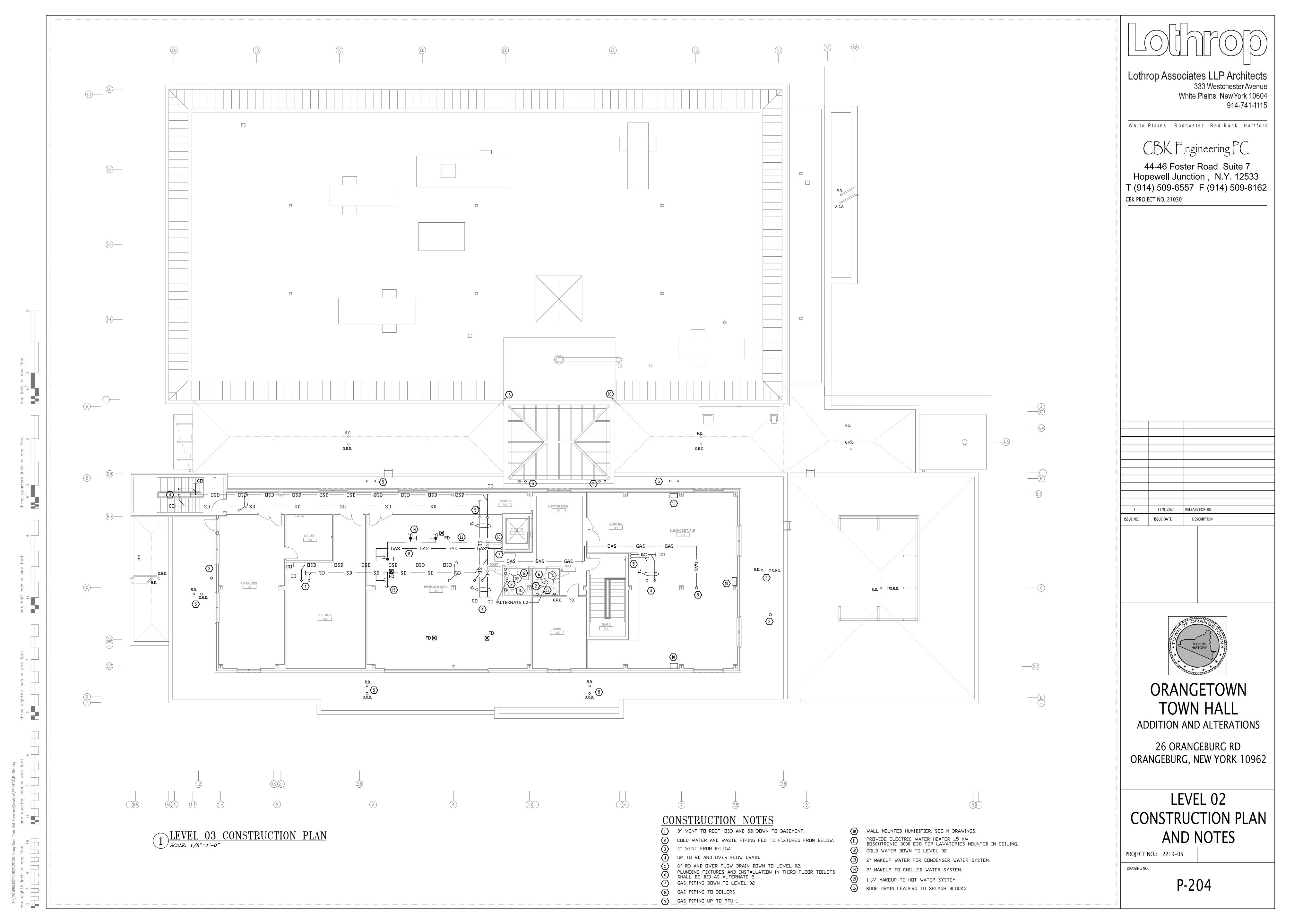
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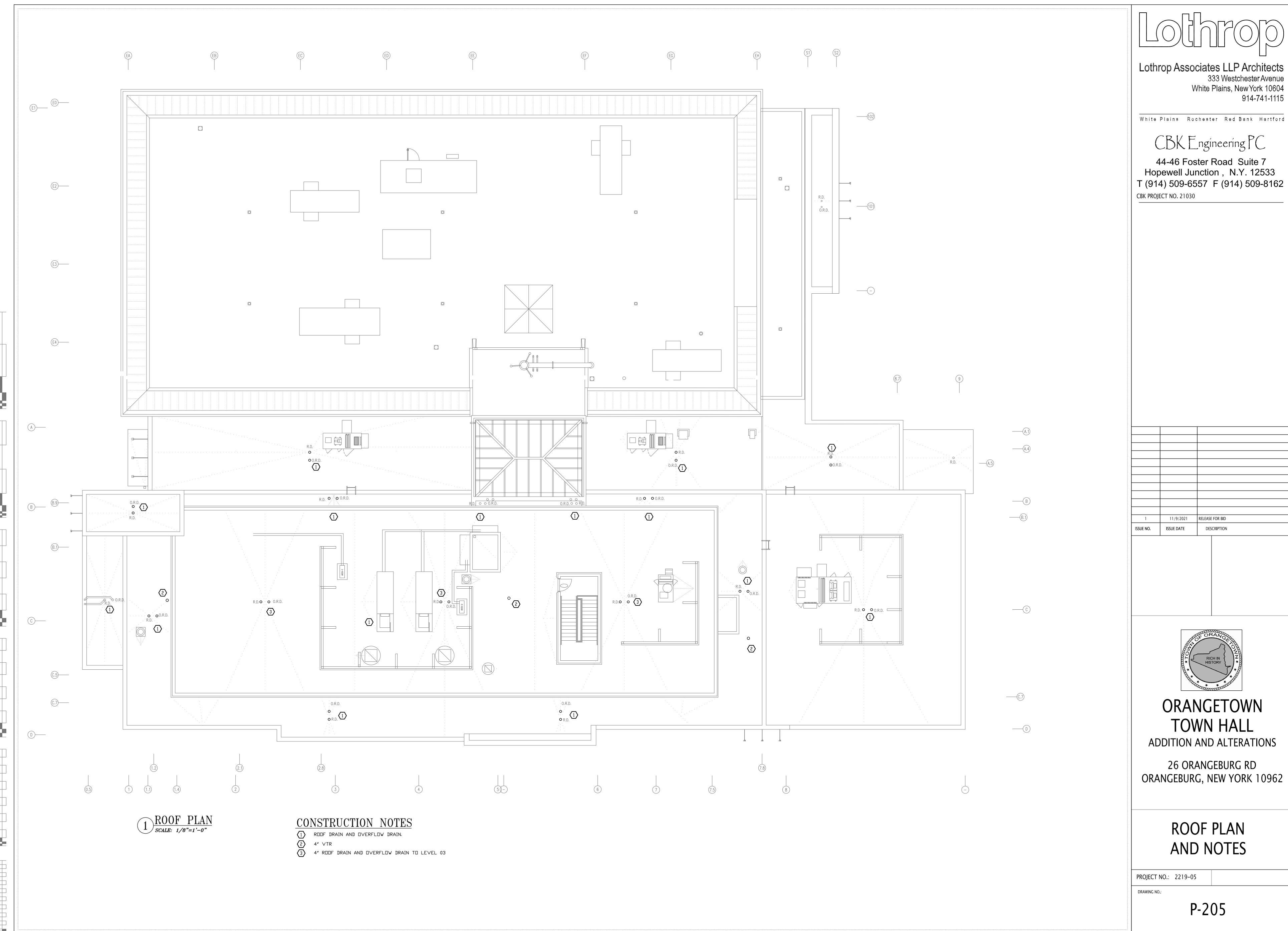
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ORANGEBURG, NEW YORK 10962

CONSTRUCTION PLAN







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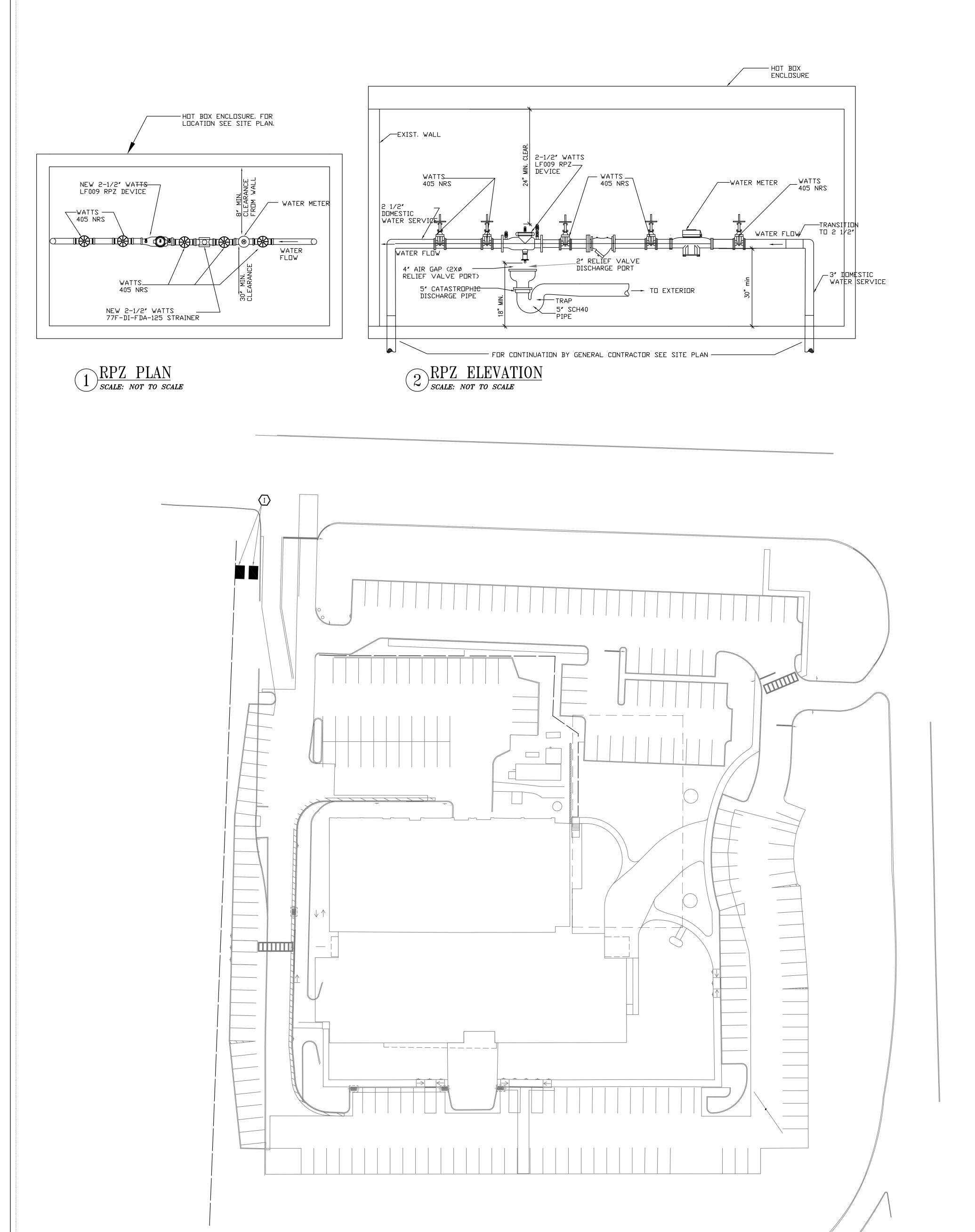
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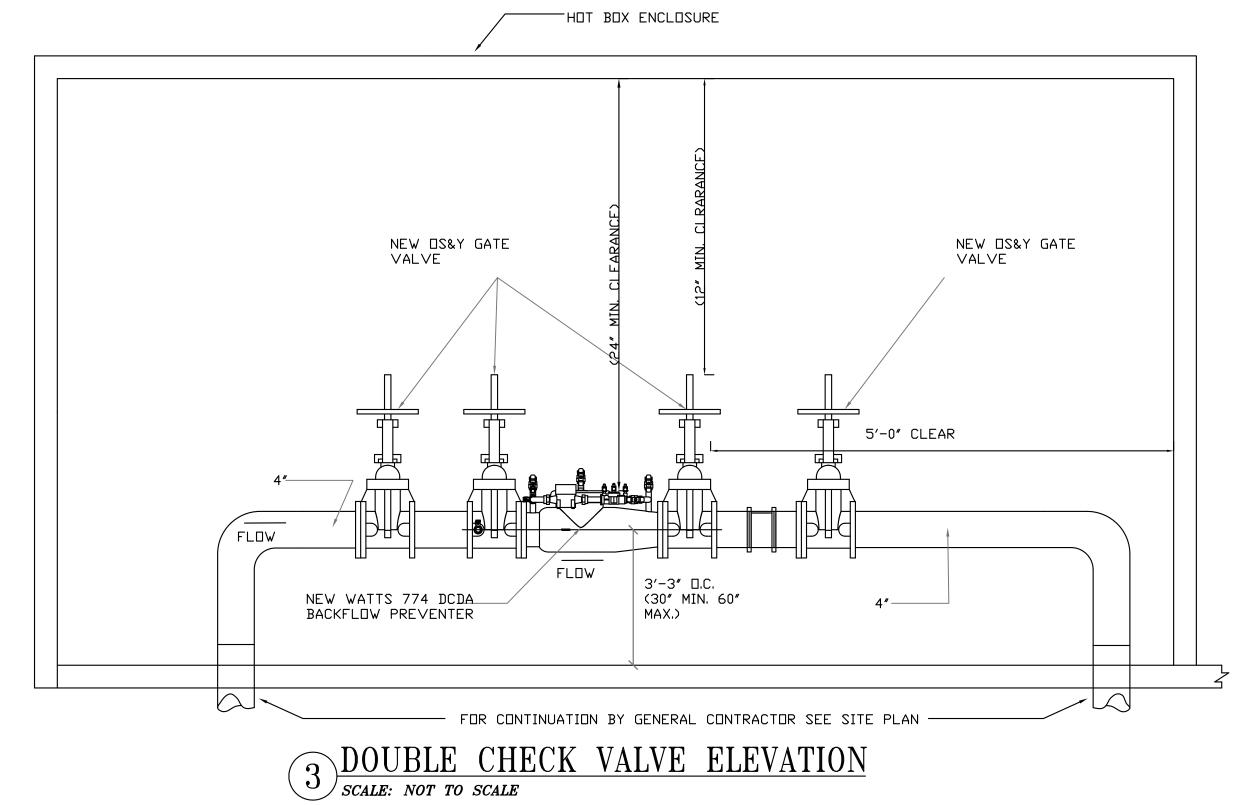
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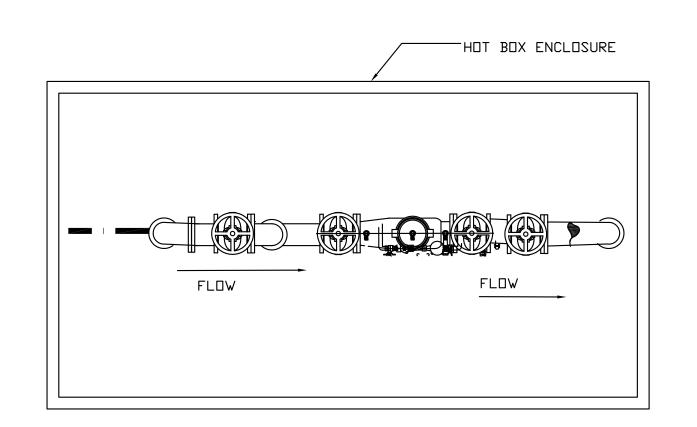
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ORANGETOWN TOWN HALL

ORANGEBURG, NEW YORK 10962







4 DOUBLE CHECK VALVE PART PLAN SCALE: NOT TO SCALE

NOTES

APPROximate location of double check valve and RPZ on Site. For actual location see site plan.

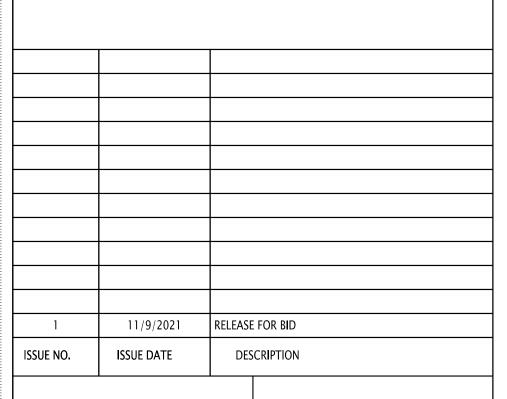


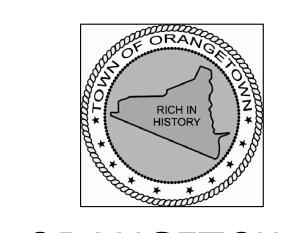
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## ORANGETOWN TOWN HALL

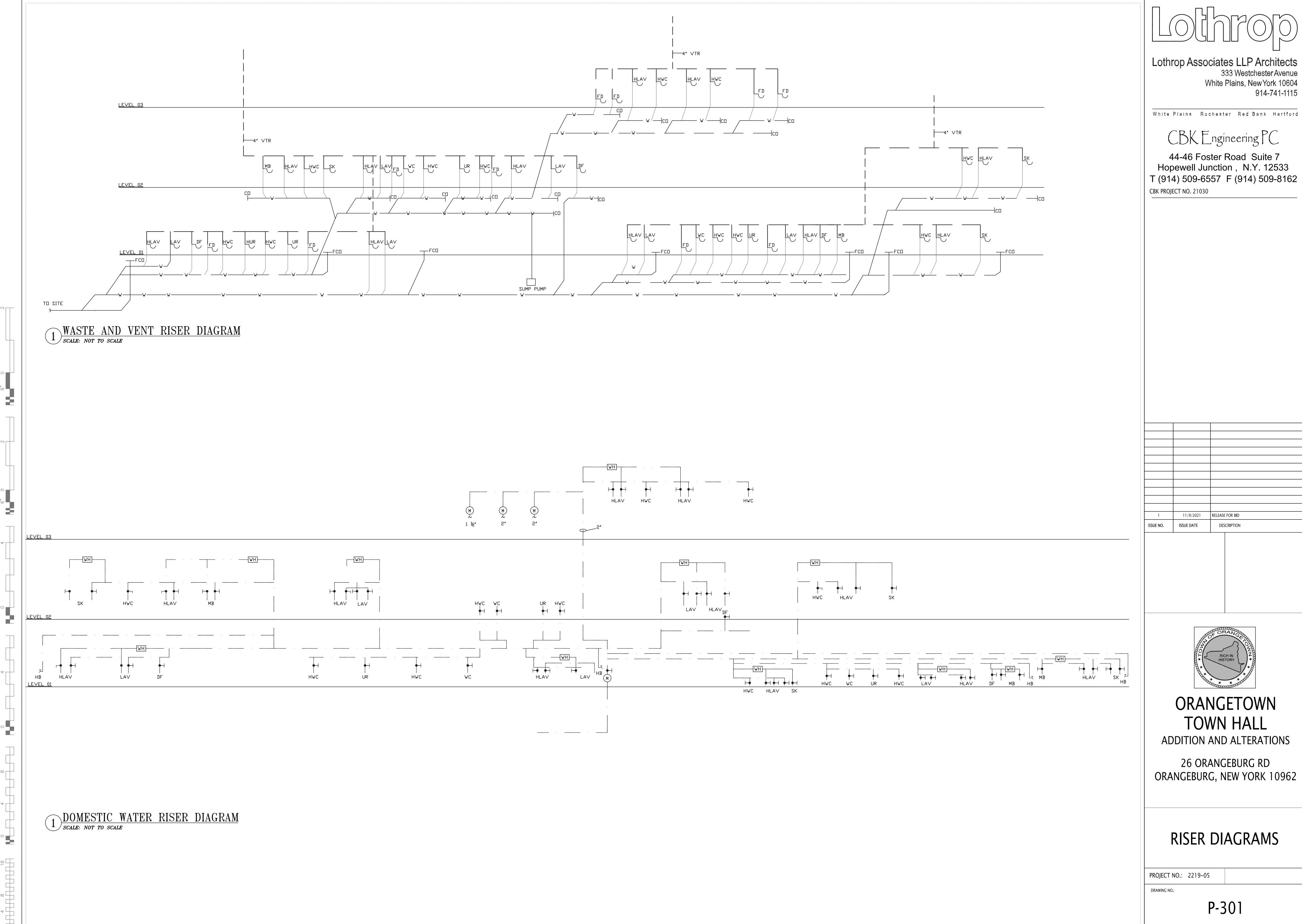
ADDITION AND ALTERATIONS

26 ORANGEBURG RD ORANGEBURG, NEW YORK 10962

SITE PLAN, BACKFLOW PIPING AND NOTES

PROJECT NO.: 2219-05

DRAWING NO.:

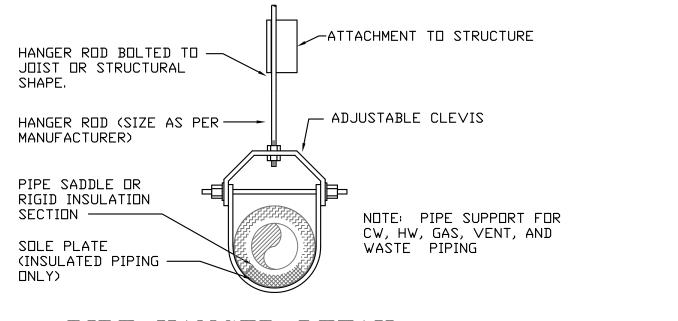


CUSTOMIZABLE PAN WITH LOW EGRESS THRESHOLD, COLOR SHALL BE CONCRETE.

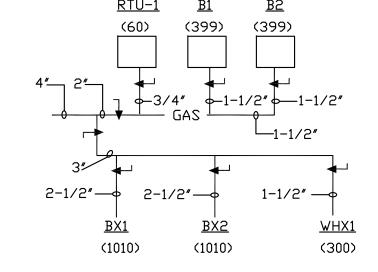
ACCESSIBLE SHOWER BODY - AMERICAN STANDARD FLASH ROUGH SHOWER VALVE BODY WITH TU662.213 COMMERCIAL SHOWER SYSTEM TRIM KIT.

PROVIDE SLIP RESISTANT FINISH.

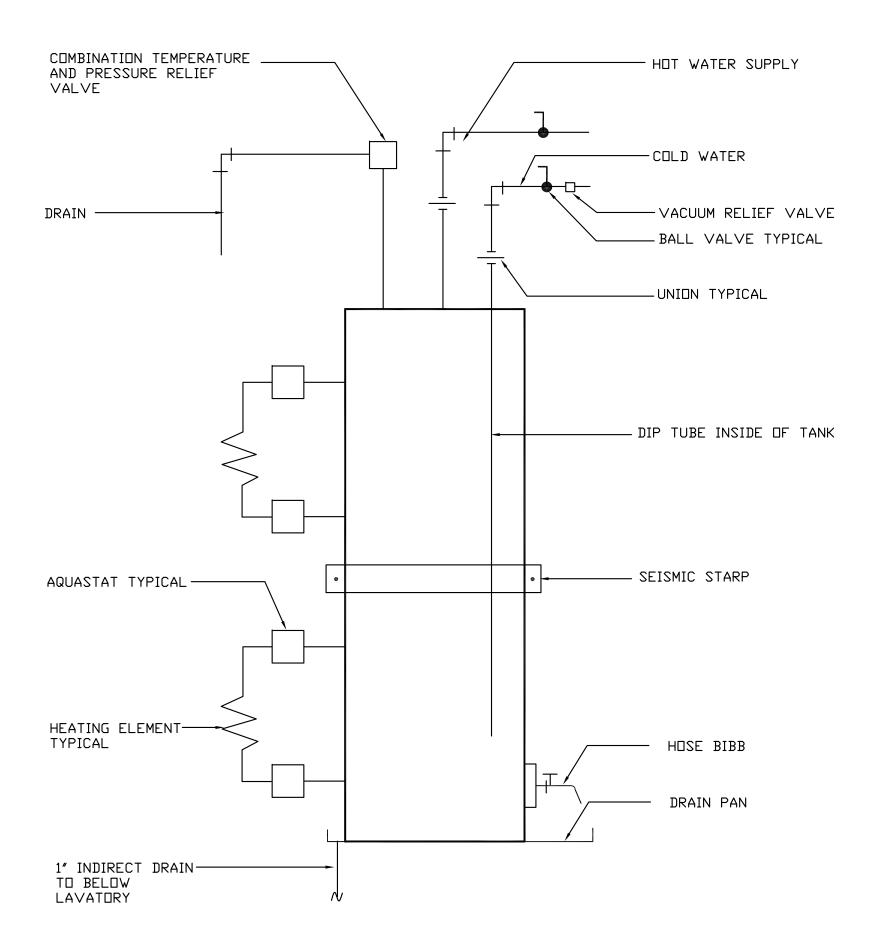
| FIXTU         | RE CONNECTION               |      |      | SCHEDULE |        |
|---------------|-----------------------------|------|------|----------|--------|
| MARK          | DESCRIPTION                 | HW   | CW   | W        | V      |
| HLAV/LAV/S1   | HANDICAPPED<br>LAVATORY     | 1/2" | 1/2" | 2″       | 1-1/2" |
| HWC/WC/TO/TO2 | HANDICAPPED<br>WATER CLOSET | _    | 1"   | 3″       | 2"     |
| MS/MB         | MOP BASIN                   | 3/4" | 3/4" | 2″       | 1 1/2" |
| FD            | FLOOR DRAIN                 | _    | -    | 3″       | 1 1/2" |
| DF            | DRINKING FOUNTAIN           | -    | 1/2" | 2″       | 1 1/2" |
| UR            | URINAL                      | -    | 3/4" | 3″       | 2″     |
| SK/S2/S3/S4   | SINK                        | 1/2" | 1/2" | 2″       | 1 1/2" |
| МH            | WALL HYDRANT                | _    | 1/2" | _        | _      |
|               |                             |      |      |          |        |
|               |                             |      |      |          |        |







2 GAS RISER DIAGRAM SCALE: NOT TO SCALE



3 ELECTRIC WATER HEATER DETAIL SCALE: NOT TO SCALE



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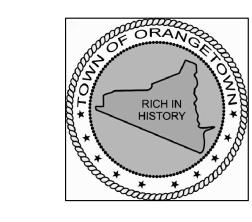
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ORANGETOWN TOWN HALL

ADDITION AND ALTERATIONS

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SCHEDULES AND DETAILS

PROJECT NO.: 2219-05

DRAWING NO.

P-302

S:\CBK\PROJECTS\2021\21030 OrangeTown Town Hall Revisions\Drawings\PROJECT\P-302.d

one eighth inch = one foot one quarter inch = one f

0 4 8 16 0 4