

BUILDING DEPARTMENT NOTES:

- 1) There is no change of Use, Egress or Occupancy as part of this Application.
- 2) Approved plans of this construction must be on the job at all times for the Building Inspector to use when making inspections.
- 3) Interior wall coverings shall not be installed until the Building Department has been notified and an inspection shall be called for once the electrician has received a rough inspection approval from a approved agency, the rough plumbing and HVAC work are completed.
- 4) Electrical: any electrical work done in connection with this Building Permit must be done by an electrician licensed in the County of Westchester. Applications must be filed with the agency having jurisdiction as well as the approved inspecting agency prior to start of any work.
- 5) Plumbing: Prior to the commencing of any plumbing work, a plumber licensed in the County of Westchester must file for a permit with the agency having jurisdiction.
- 6) Contractor to confirm existing HVAC system is capable of the handling the proposed alteration prior to connecting to the main building.
- 7) All changes made to previously approved plans shall be submitted to the Building Department for approval prior to construction, and final as-built plans and survey for Certificate of Occupancy.
- 8) Project meets the requirement of R313 of the Residential Code of New York State
- 9) Work to meet the state code at the time of construction in accordance with Technical bulletin dated January 1, 2003
- 10) Architect not retained to supervise/inspect construction, HVAC, Plumbing, Electrical components to be installed by/under supervision of licensed trade professionals. Provided independent test and certifications of systems acceptability by trade authorities in accordance with current industry practices and standards.

NEW YORK STATE ENERGY CODE:

- 1) All work meets the Chapter EI Administration, Enforcement and General Requirements. EI-101.1 Scope and General Requirements, Additions, Alterations, & Renovations Section 101.4.3
- 2) All proposed mechanical, electrical, lighting, plumbing and building envelope systems comply with applicable sections of the 2016 New York State Energy Code for single-family residences.
- 3) Proposed work conforms with the requirements of prescriptive package 2
- 4) Proposed glazing u-factor: 0.35 or better. Glazing u-factors must be tested and documented by the manufacturer in accordance with the National Fenestration Rating Council (NFRC) test procedure or taken from the glazing u-factor table in Chapter 4. Center-of-Glass u-factors cannot be used.
- 5) Proposed minimal wall R-Value: R-20 wall R-Values represent the sum of the wall cavity insulation plus insulating sheathing (if used). Do not include exterior siding, structural sheathing, and interior drywall.

**Proposed Work Building Code Notes:**

Construction Type: Type 5B (wood frame construction)

Occupancy: Group R3 One Family

Fire Rating: Roof Structure, Combustible

Garage: ¼ Hour

Design Loads:

Roof: Refer to Table R301.6 or R301.2(1)

Floor: Refer to Table R301.4 or R301.5

Attic: Refer to Table R302.4 or R301.5

Decks: Table R302.4 or R301.5

Stairs: Refer to Table R301.5

PLANS AND DRAWING ATTACHED OR REFERENCE HEARIN ARE OF EXISTING CONDITIONS. THE CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL CONDITIONS HIDDEN BEHIND WALLS OR COVERINGS, AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE HOMEOWNER AND ARCHITECT PRIOR TO COVERING UP.

EXISTING CONSTRUCTION CLASSIFICATION 5B (NO CHANGE)  
EXISTING USE CLASSIFICATION R-3 / SINGLE FAMILY (NO CHANGE)  
THESE PLANS WERE DESIGNED UNDER THE FOLLOWING NYS CODES, AND IN ACCORDANCE WITH APPENDIX J OF THE NYS UNIFORM CODE SUPPLEMENT;

- THE 2015 INTERNATIONAL RESIDENTIAL CODE
- THE 2017 UNIFORM CODE SUPPLEMENT
- THE 2016 NYS ENERGY CODE (for all proposed only)

GENERAL CONDITIONS

- All work shall conform to N.Y. State Construction code and energy conservation code as well as town, village or city ordinances and building code requirements. Any discrepancies shall be brought to the attention of the architect before work is commenced. The architect assumes no responsibility for workmanship or code compliance during construction unless architect supervision is included in a contract signed by both owner and architect.
- The general contractor shall obtain and pay for all permits including the certificate of occupancy, and he or she shall pay for all inspections and fees for same as required.
- The contractor shall supervise and direct the construction work using his skill and attention. He shall be solely responsible for all construction means, methods, technique, sequence, procedures and coordination of all portions, trades and subcontractors of the work
- The general contractor shall maintain clean and safe-working conditions at all times at the job site. He shall be responsible for removal of all debris on a daily basis.
- The contractor shall be responsible for the protection and warehousing of all materials and equipment to be installed-The contractor shall make all arrangements to maintain temporary electric, lighting, and water during all phases of construction.
- The contractor shall provide temporary shoring and bracing and make safe all floors, roofs, walls and adjacent property as project conditions require until permanent supports are in place.
- The contractor shall not cut any structural framing members without the approval of the architect, and shall only be done in a manner as directed and approved by the New York State Building Code.
- Guarantee:**
- All work and equipment included in the contract documents shall be guaranteed against defects in materials and workmanship for the period specified by the manufacture or a one year period, whichever is longer.

CLIMATE ZONE	FENESTRATION U-FACTOR b	SKYLIGHT U-FACTOR b	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE	CRAWL SPACE WALL R-VALUE	AIR FREEZING INDEX	MEAN ANNUAL TEMP
4A	0.35	0.55	49	20 or 1345	8 / 13	19	10 / 13	10.2 ft	10 / 13	2000	51.6

TABLE R301.2 (1)  
CLIMATE ZONE AND GEOGRAPHIC DESIGN CRITERIA  
CLIMATE ZONE AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND SPEED	SEISMIC DESIGN CATEGORY	WEATHERING	FROST LINE DEPTH	PERMANENT	ICE BARRIER REQUIREMENT	FLOOD HAZARDS	DECAY
30 LBS/SQ FT	115-120 MPH	C	SEVERE	42" DEEP	MODERATE TO HEAVY	YES	(a) 7/06/1980 (b) 4/11/2000 (c) 9/28/2007 for FEMA map dated 9/28/2007	SLIGHT TO MODERATE

DESIGN CRITERIA FOR ALL NEW WORK

CONTRACTOR TO INSTALL AS REQUIRED IN19 CRR-NY 1265.5NY-CRR, TRUSS/ENGINEER TYPE CONSTRUCTION A SIGN IDENTIFYING TRUSS/ENGINEER LUMBER CONSTRUCTION HAS BEEN USED IN ACCORDANCE WITH 1265.5

OFFICIAL COMPILATION OF CODES, RULES AND REGULATIONS OF THE STATE OF NEW YORK.  
TITLE 19, DEPARTMENT OF STATE  
CHAPTER XXXIII, STATE FIRE PREVENTION AND BUILDING CODE COUNCIL  
SUBCHAPTER C, OTHER REGULATIONS  
PART 1265, RESIDENTIAL STRUCTURES WITH TRUSS TYPE CONSTRUCTION, PRE-ENGINEERED WOOD CONSTRUCTION AND/OR TIMBER CONSTRUCTION  
1265.5 Sign or symbol.

(a) When truss type construction, pre-engineered wood construction, and/or timber construction is utilized in the construction of a new residential structure or in an addition to or rehabilitation of an existing residential structure, such residential structure shall be identified by a sign or symbol in accordance with the provisions of this Part.

(b) The sign or symbol required by this Part shall be affixed to the exterior of the residential structure in a location approved by the authority having jurisdiction at a location likely to be seen by firefighters or other first responders responding to a fire or other emergency at the residential structure.

(c) The sign or symbol required by this Part shall be affixed prior to the issuance of a certificate of occupancy or a certificate of compliance. The authority having jurisdiction shall not issue a certificate of occupancy or certificate of compliance until the sign or symbol required by this Part shall have been affixed.

(d) The property owner shall be responsible for maintaining the sign or symbol required by this Part and shall promptly replace any such sign or symbol that is affixed to a building in which any change or modification is made to such electric box. The property owner shall promptly replace any such sign or symbol required by this Part if each sign or symbol is retained or becomes damaged, faded, worn, or otherwise less conspicuous than when first affixed to the building.

(e) The sign or symbol required by this Part shall be affixed to the exterior of the residential structure in a location approved by the authority having jurisdiction at a location likely to be seen by firefighters or other first responders responding to a fire or other emergency at the residential structure.

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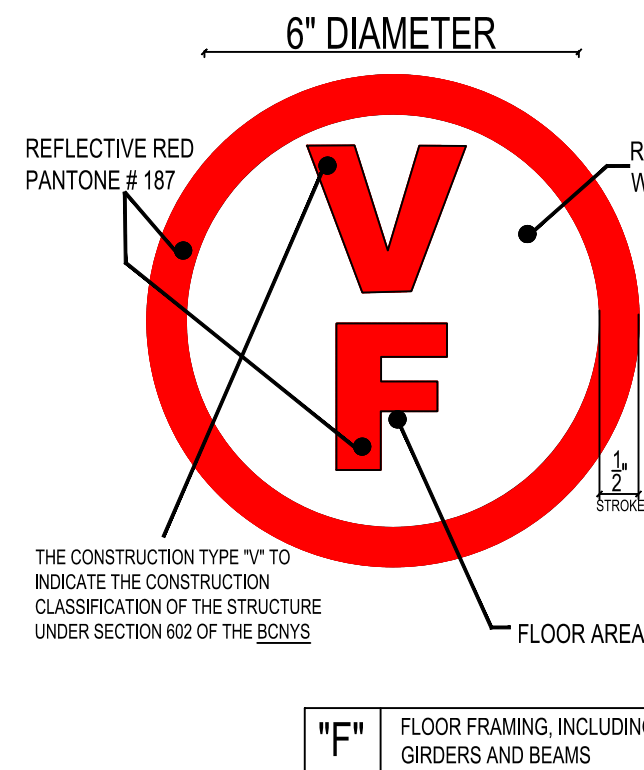
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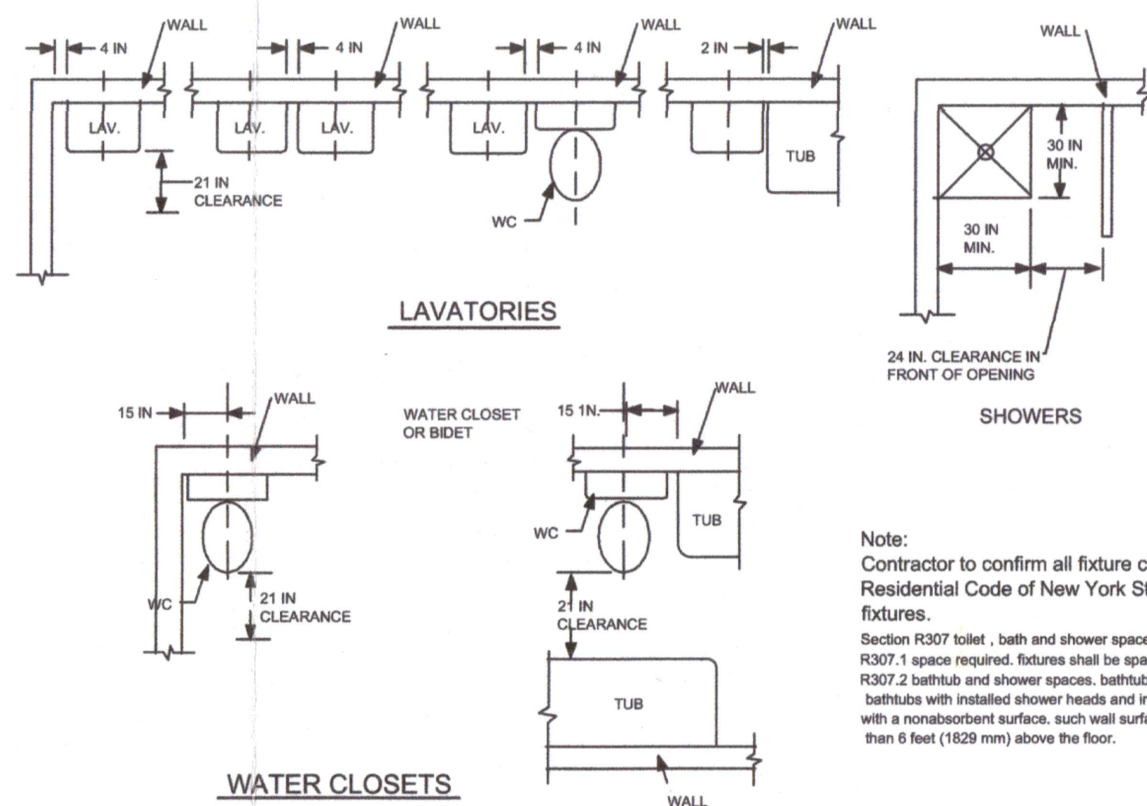
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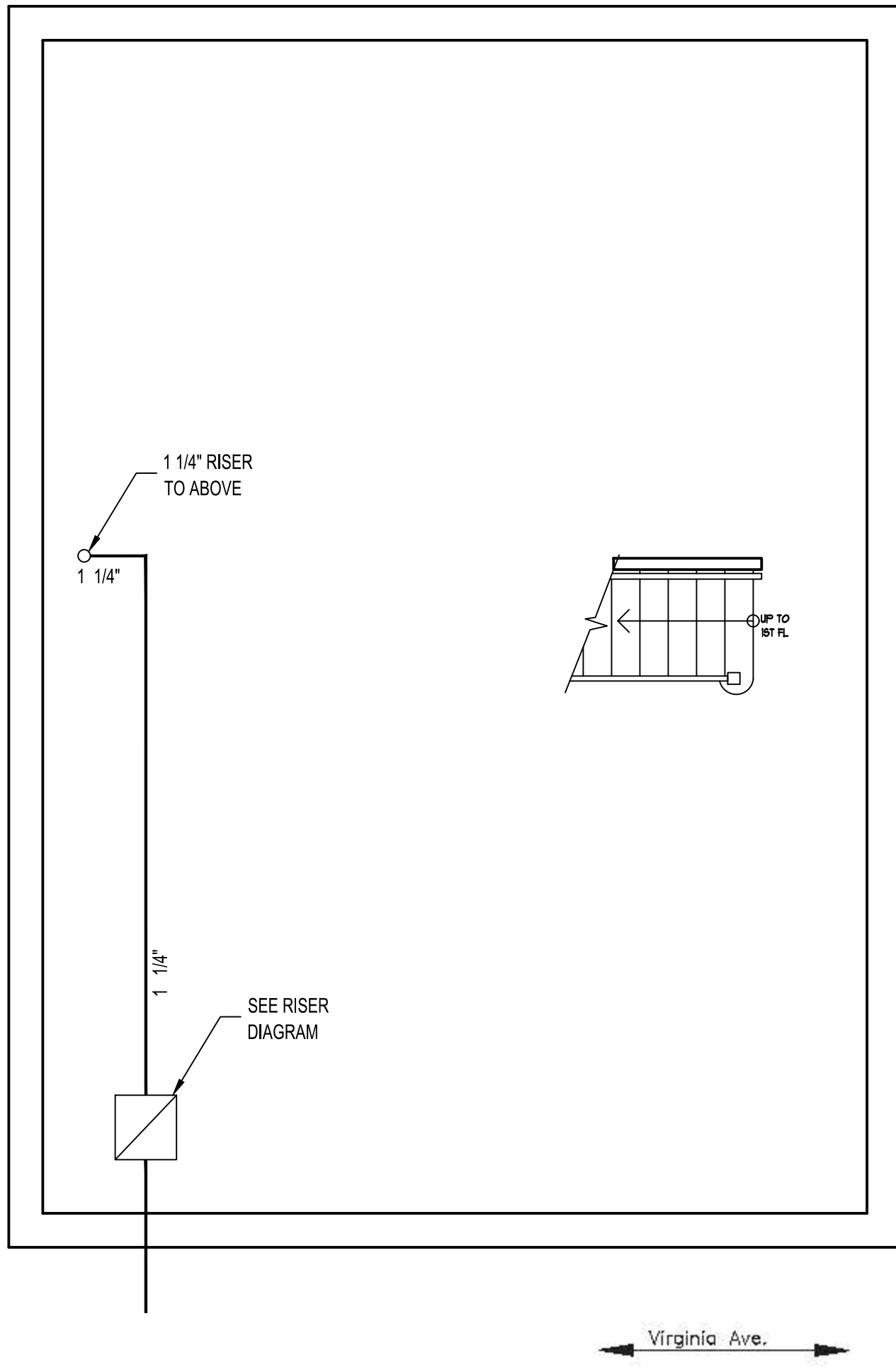


- SMOKE ALARM:
- HARDWIRED SMOKE DETECTORS WITH BATTERY BACKUP SHALL BEE INSTALLED IN THE FOLLOWING LOCATIONS AS REQUIRED PER NYS BUILDING CODE SECTION R317
    - \* IN EACH SLEEPING ROOM
    - \* OUTSIDE OF EACH SEPERATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF OF THE BEDROOMS
    - \* ON EACH STORIE
    - \* ON THE FIRST FLOOR
    - \* IN THE BASEMENT, EXCLUDING UNHABITABLE SPACE SUCH AS CRAWL SPACE
  - ALL SMOKE DETECTORS SHALL BE INTERCONNECTED SUCH THAT WHEN ONE DEVICE IS TRIGGERED, ALL OF THE OTHER UNITS SHALL SOUND AN ALARM
  - THE ALARMS SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WHIT ALL INTERVENING DOORS CLOSED
  - ALL SMOKE DETECTORS SHALL BE LISTED AND INSTALLDE IN A CORDANCE WITH THE 2007-RESIDENTIAL CODE OF NEW YORK STATE, AND THE HOUSEHOLD FIRE WARNING EQUIPMENT PROVISIONS FO NFPA 72

CARBON MONOXIDE DETECTORS:

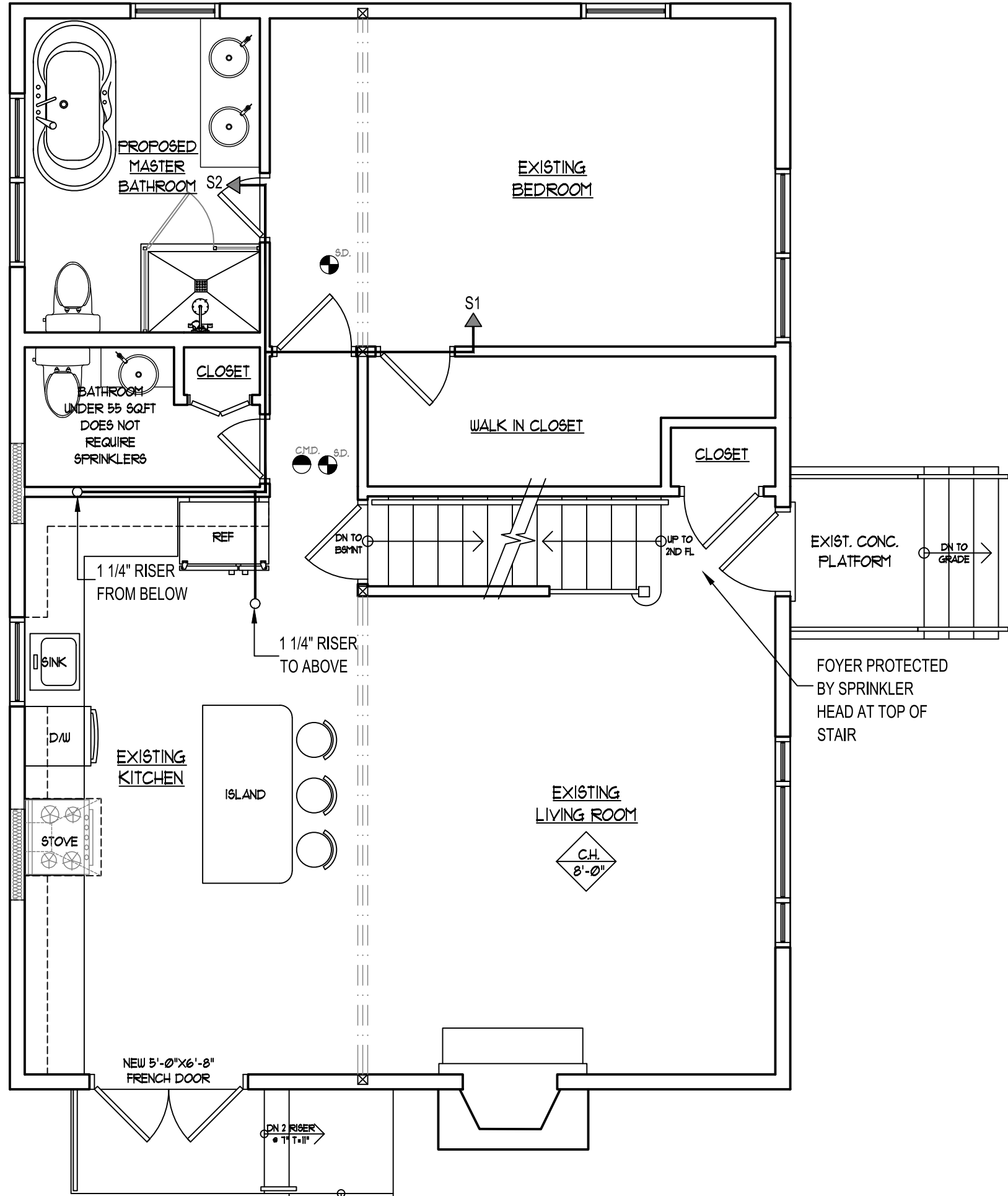
- CARBON MONOXIDE DETECTORS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS PER REQUIREMENTS OF THE DIRECTIVE FROM THE NYS CODE BUREAU:
  - \* ONE ON EACH LEVEL WHERE THERE ARE SLEEPING ROOMS
  - \* IN THE BASEMENT FUNACE ROOM
  - \* ON EACH LEVEL WHERE THERE ARE FUEL-FIRED APPLIANCES AND EQUIPMENT AND SOLID-FUEL BURNING APPLIANCES AND EQUIPMENT
  - \* IN THE KITCHEN
  - \* WITH IN 10 FEET OUTSIDE SLEEPING ROOM DOORS
  - \* WITH IN 10 FEET OUTSIDE MECHANICAL SPACE DOORS AND
  - \* IN ALL HABITABLE BASEMENT SPACES
- ALL CARBON MONOXIDE DETECTORS SHALL BE INTERCONNECTED SUCH THAT WHEN ONE DEVICES IS TRIGGERED, ALL OF THE OTHER UNITS ALSO SOUND AN ALARM
- THE ALARMS SHALL BE CEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED
- ALL CARBON MONOXIDE DETECTORS SHALL BE LISTED IN ACCORDANCE WITH THE MANUFACTURES INSTALLATION INSTRUCTIONS, AND THE 2007 - RESIDENTIAL CODE OF NEW YORK STATE
- ALARM SIGNALS TO DIFFERENTIATE BETWEEN CARBON MONOXIDE ALARMS AND OTHER ALARM SYSTEM FUNCTIONS



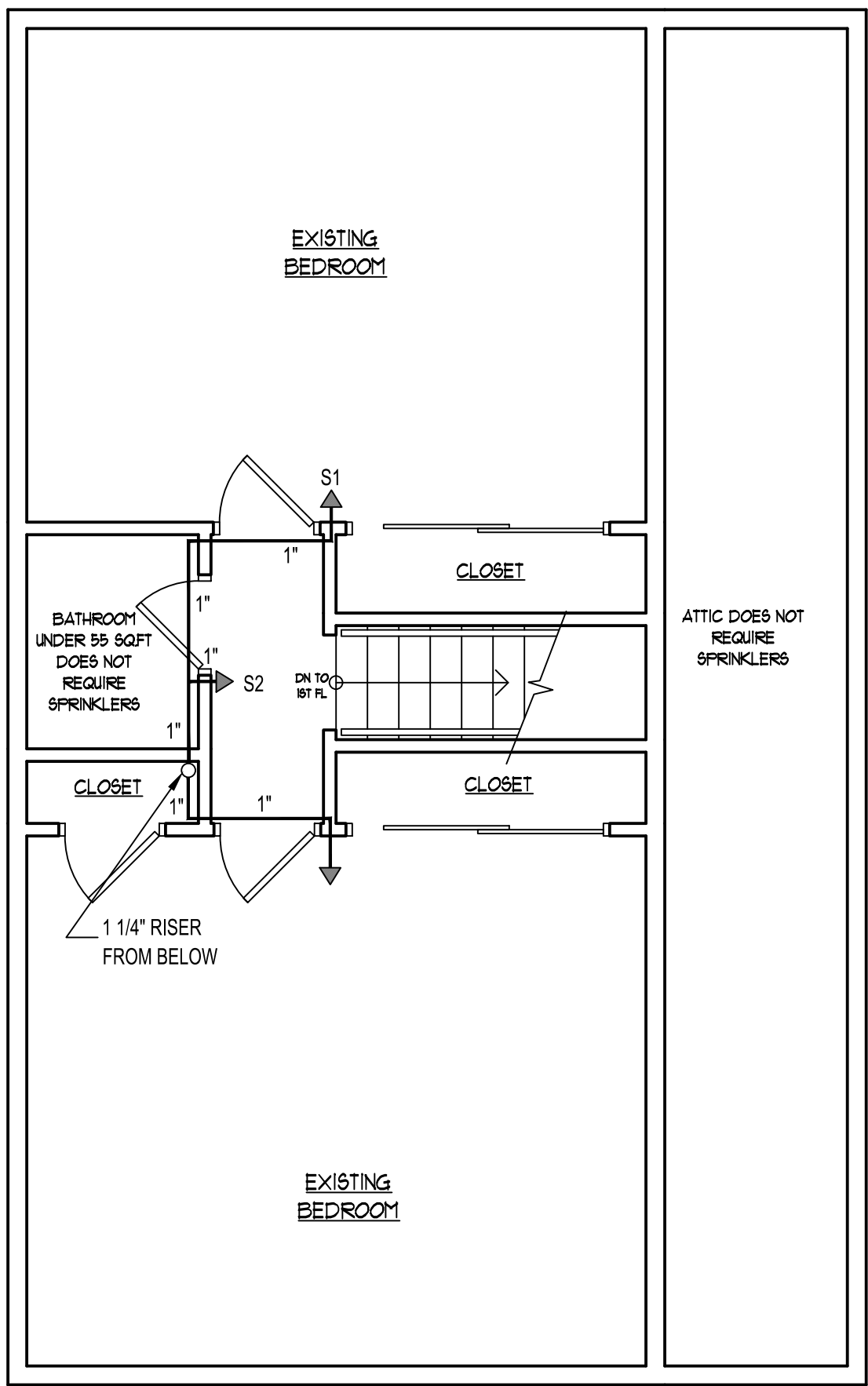


**BASEMENT FLOOR SPRINKLER PLAN**  
1/4"=1'-0"

Legend:  
Residential concealed sidewall fire sprinkler head, 155 degree F sprinkler temperature rating, 135 degree F cover plate temperature rating, K factor 4-4, Reliable Model F1 Res 44 SWC, SIN R3531, deflector 4"-6" below ceiling



**FIRST FLOOR SPRINKLER PLAN**  
1/4"=1'-0"



**SECOND FLOOR SPRINKLER PLAN**  
1/4"=1'-0"

#### GENERAL NOTES

- Contractor shall provide a complete, safe and operable automatic fire sprinkler system in accordance with NFPA 13D-2013, these plans and all state, county and local laws governing such installation.
- Piping shall conform to ASTM A135 Steel Schedule 40, or Copper Type M rated for fire service use. No bends or permitted of any pipe threaded or soldered. Threads shall be NPT and conform to ANSI B.1.20.1.
- All system components shall be rated for a minimum operating pressure of 175 PSI.
- Sprinkler heads shall not be painted or otherwise covered with any coating unless applied by the manufacturer.
- Contractor shall submit shop drawings of substituted components.
- Maintenance of the system shall be the responsibility of the Owner.
- Miscellaneous components required to properly install and set the sprinkler system in working order, but not explicitly shown on these plans shall be included in the work.
- These are not as-built drawings

All fire sprinkler piping steel, either exposed or concealed. Or piping may be CPVC concealed.

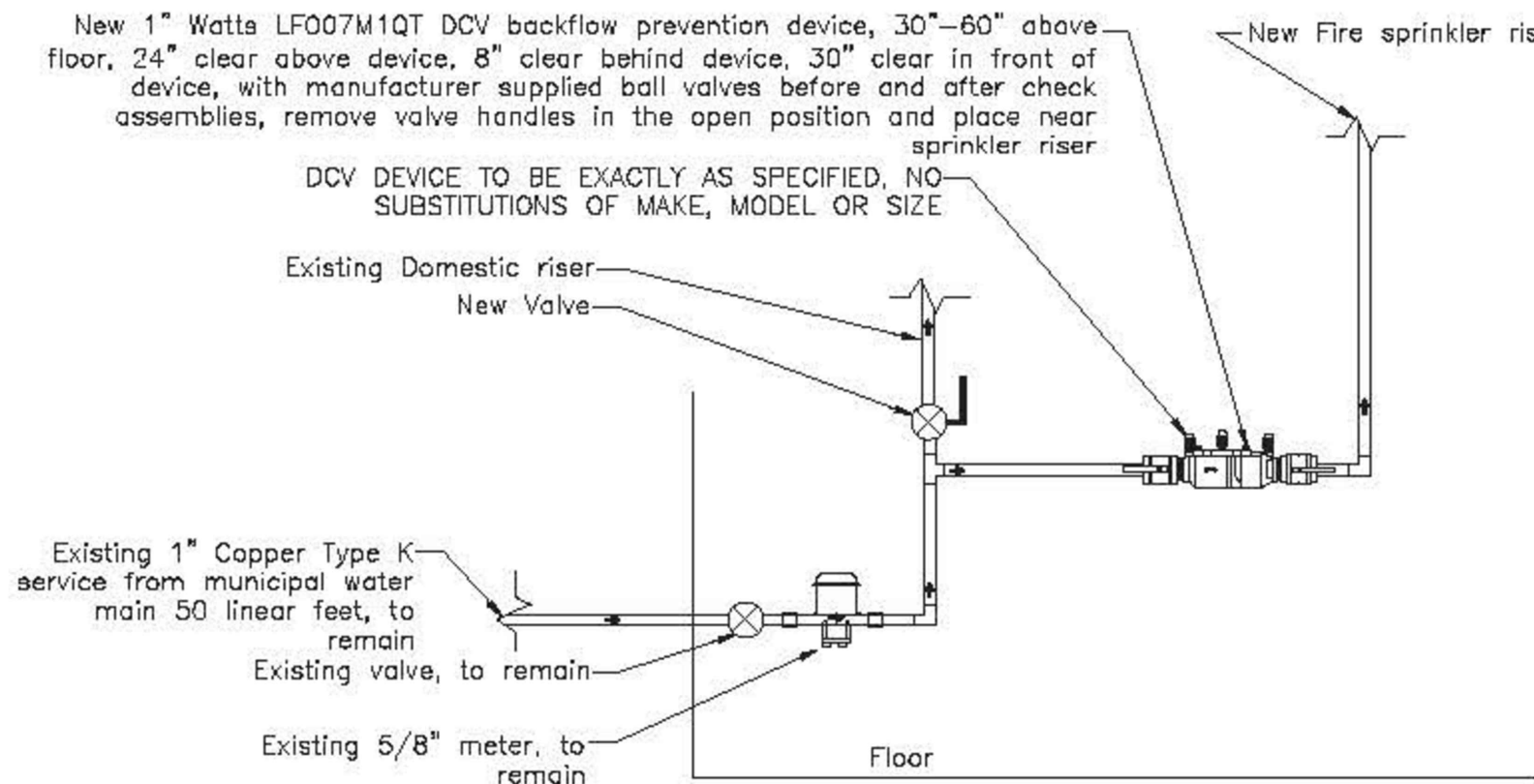
Contractor shall ensure no strainers or pressure reducing valves are installed between the fire sprinkler system and water main in street, WCDOH allows omission of strainers on backflow prevention devices for fire sprinkler systems with backflow prevention devices 1 1/2" and smaller

Sprinkler head spacing notes:  
-16"x16" maximum  
-Minimum 8' between heads where more than 1 head in a compartment

Water only in the fire sprinkler system, Contractor shall ensure all piping and heads are within the heated envelope of the building.

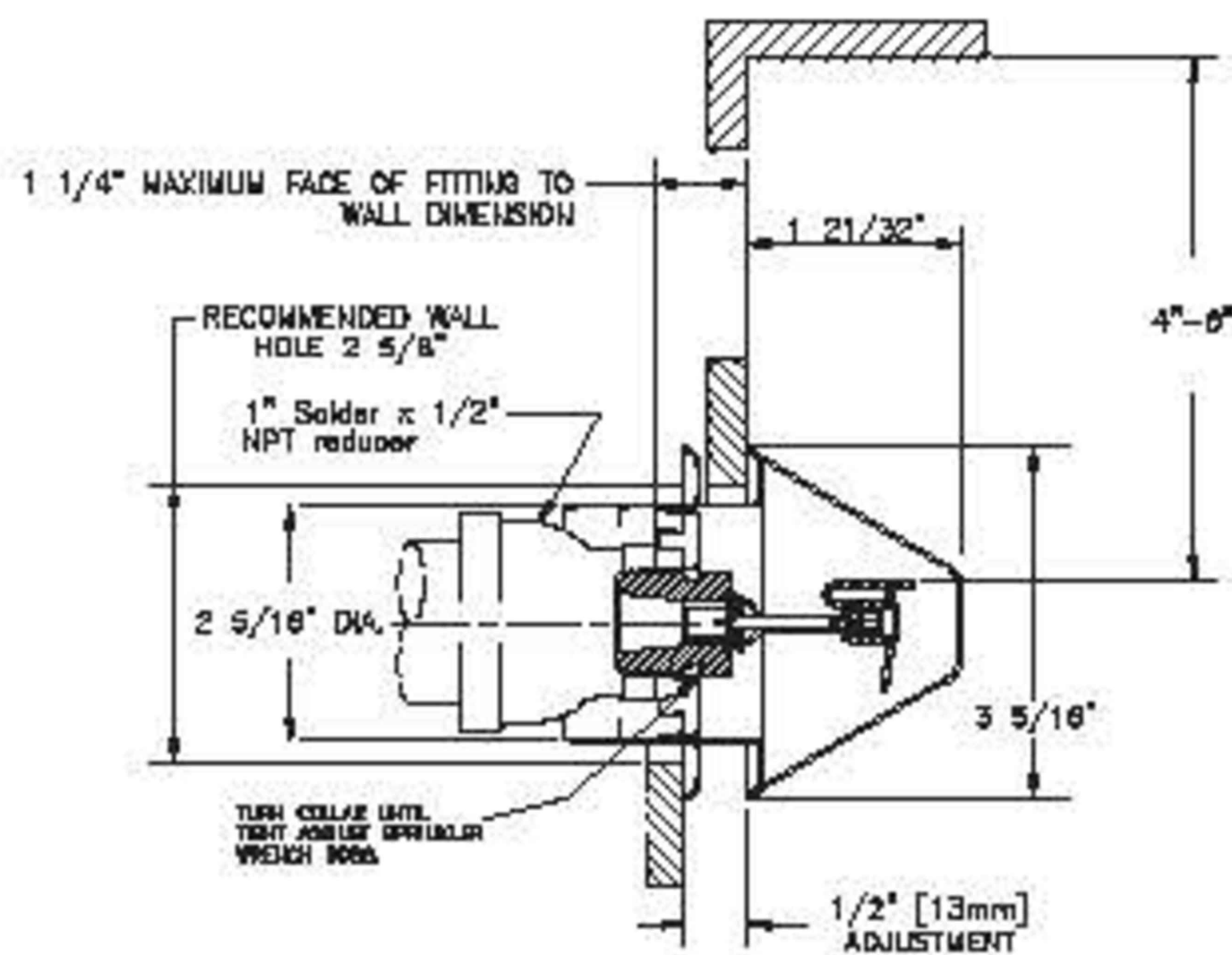
Step No.	Steel Sch. 40 Pipe Size (inch)	Pipe Fittings and Devices	Equip. Pipe Length (ft)	Friction Loss, C=120 (psif/ft)	Pressure Losses (psi)	Location	Pressure (psi)	Flow required (gpm)
Sprinkler S1 to Sprinkler S2	Nominal Exact ID 1 1.049	2 Elbows, 0 Tees	Length 8	0.086	Sprinkler 13.22	S1	13.22	16.00
			Fitting 10		Pipe 1.55			
			Total 18		Elevation 0.00			
Sprinkler S2 to Water Meter Outlet	Nominal Exact ID 1 1.380	8 Elbows, 4 Tees 25' Elevation Drop Backflow Device	Length 95	0.086	Backflow 6.00	S2	14.77	16.91
			Fitting 72		Pipe 14.36			
			Total 167		Elevation 10.83			
Water Meter Outlet to Water Main	Nominal Exact ID 0.995	0.625" Water Meter 0 Elbows, 0 Tees 0' Elevation Drop	Length 50	0.280	Meter 26.00	Water Meter Outlet	45.96	32.91
			Fitting 0		Pipe 14.00			
			Total 50		Elevation 0.00			

Conclusion: Static pressure in municipal water main is 95 PSI, NFPA-13D flow and pressure are provided



IMPORTANT NOTE: STRAINER PROHIBITED ON FIRE LINE

**Riser Diagram**  
No to scale



**Sidewall head detail, no scale**

#### ZONING DATA

85 VIRGINIA AVENUE,  
DOBBS FERRY, NEW YORK -10522

SECTION: 3.90 BLOCK : 54  
LOT : 1 ZONE: OF6

#### LEGEND

- EXISTING WALL TO REMAIN
- EXISTING NON BEARING WALL TO BE REMOVED
- NEW 2"x4" STUD WALL @ 16" O.C.
- NEW 2"x6" STUD WALL @ 16" O.C. W/ NEW R-21 INSULATION AND VINYL SIDING ON EXTERIOR FINISH
- EXISTING SMOKE DETECTOR
- EXISTING CARBON MONOXIDE
- MECHANICAL VENTILATION 50 CFM
- EXISTING HEAT DETECTOR

PETER KLEIN , ASSOCIATES, INC  
ARCHITECTS • BUILDERS • DEVELOPERS  
CONSTRUCTION MANAGEMENT

44 WINDING WOOD ROAD

RYE BROOK , NEW YORK 10573

#### OWNER

MAURICE WILLIAMS

#### PROJECT

PROPOSED FIRST FLOOR  
INTERIOR ALTERATION

85 VIRGINIA AVENUE,  
DOBBS FERRY, NEW YORK -10522

SECTION: 3.90 BLOCK : 54  
LOT : 1 ZONE: OF6

#### DRAWING LIST

GENERAL NOTES  
FIRE SPRINKLER PLANS  
FIRE SPRINKLER DETAILS

SEAL & SIGNATURE

PROJECT No: 067-2021

DATE: 04-14-2021

DRAWING BY: L.P

CKD BY: P.K.

DWG No:

SP-001.00

CAD FILE No:

1 of 1