# PROPOSED **BEDFORD FIRE HEADQUARTERS**

# 550 OLD POST ROAD, BEDFORD, NEW YORK 10506



# ABBREVIATIONS

ABV ABOVE ACOUSTICAL CEILING TILE A.C.T. ADJ ADJACENT ADA AMERICANS DISABILITY ACT AFF ABOVE FINISH FLOOR ALT ALTERNATE/ALTERNATIVE ALUM ALUMINUM APPD APPROVED APPROX APPROXIMATE ARCH ARCHITECTURAL AUTO AUTOMATIC AVERAGE AVG BLKG BLOCKING BOARD ВD BRICK COURSE BC BLDG BUILDING CATCH BASIN CENTERLINE CER CERAMIC CERAMIC TILE CLOSET CLO COL COLUMN COMM COMMUNICATION CONC CONCRETE CMU CONCRETE MASONRY UNIT CONST CONSTRUCTION CONT CONTINUOUS COORD COORDINATE CORR CORRIDOR DEMO DEMOLITION DEPTH DETL DETAIL DIAMETER DIA DR DOOR DOWN DN DWG DRAWING DRINKING FOUNTAIN EACH ELEC ELECTRICAL ELECTRICAL CONTRACTOR EC EL/ELEV ELEVATION ENGR ENGINEER EQ EQUAL EQUIPMENT EQUIP EXHAUST FAN EXISTING ETR EXISTING TO REMAIN EXPANSION JOINT EXTERIOR EXT FINISH FINISH FLOOR FIRE EXTINGUISHER FLOOR FOOT/FEET FTG FOOTING FDN FOUNDATION FRAME GALVANIZED GALV GAUGE GENERAL CONTRACTOR GMB GYPSUM WALL BOARD HDM HARDWARE H/HT HEIGHT HOLLOW METAL ΗM HORIZ HORIZONTAL HOUR INCH INCL INCLUDE INSULATION INTERIOR

СΒ

CL

CT

D

DF

ΕA

EF

ΕX

EJ

FIN.

FF

FE

FL

FT

FR

GA

GC

HR

IN

INS

INT

JT LAV LΗ MFGR MATL MAX MECH MEP MTL

JANITOR'S CLOSET

JOINT

LAVATORY

LEFT HAND

MATERIAL

MECHANICAL

MECH, ELEC, PLUMB

MISCELLANEOUS

MAXIMUM

METAL

MINIMUM

MANUFACTURER

LENGTH

MIN MISC MNTG N/A NIC NTS 00 OPNG OPP PR PART. PH PC POLY PR0J RD RE

RH RM SCH SHT SIM SK SC SPEC SQ SF SSMR STL STG STRUCT SYMB TEMP ΤK TOIL T₿G Т.О. TYP UON VВ VIF VERT VEST VCT MMF Μ

M/

W/0

ND

MOUNTING NORTH NOT APPLICABLE NOT IN CONTRACT NOT TO SCALE ON CENTER OPENING OPPOSITE OVHD OVERHEAD PAIR PARTIAL PHASE PLUMB PLUMBING PLUMBING CONTRACTOR PLYWD PLYWOOD POLYETHYLENE PROJECT ROUND REFER REINF REINFORCEMENT REQD REQUIRED R.O.B. SECT

RIGHT HAND ROOM RUN OF BANK SCHEDULE SECTION SHEET SIMILAR SKETCH SOLID CORE SPECIFICATION SQUARE SQUARE FOOT/FEET STANDING SEAM METAL ROOF STEEL STORAGE STRUCTURAL SYMBOLS TEMPORARY

THICK TOILET TONGUE & GROOVE TOP OF TYPICAL

UNLESS OTHERWISE NOTED

VAPOR BARRIER VERIFY IN FIELD VERTICAL VESTIBULE VINYL COMPOSITION TILE

WELDED WIRE FABRIC WIDTH MITH WITHOUT WOOD

# SYMBOLS & MAT'LS.

SYMBOLS LEGEND: SECTION NUMBER SHEET NUMBER - ELEVATION NUMBER SHEET NUMBER - DETAIL NUMBER SHEET NUMBER - VIEM NUMBER DRAWING NUMBER ET NUMBER 101a DOOR NUMBER

XXX X HDW SET - DOOR TYPE ROOM NAME - ROOM NUMBER 000-

INTERIOR ELEVATION 00 COQO VIEW NUMBER - ROOM NUMBER 

 $\oplus$  EL + O'-O" ELEVATION

 $\langle \land \rangle$ 

7:12>

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\_\_\_\_

\_\_\_\_\_

DOOR AND SWIN

REVISION NUMBE

WINDOW TYPE

PARTITION TY

ROOF DIRECTIO PITCH

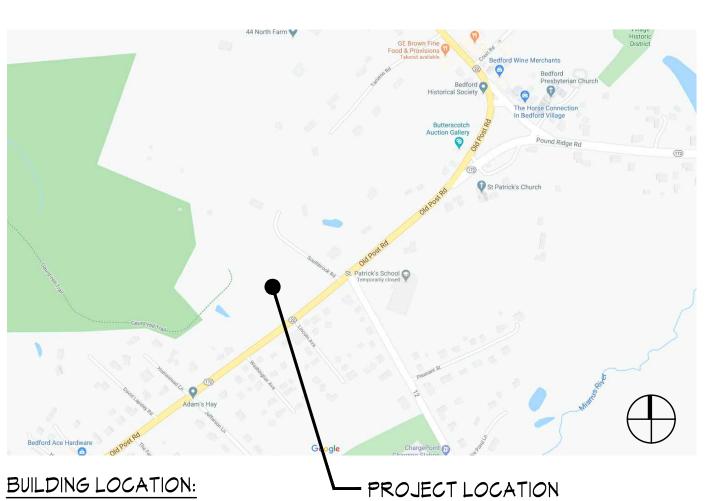
ADA 5' DIA WHEEL TURNING SPACE

WORK TO BE REI

EXISTING TO REM NEW CONSTRUC

(HATCH PATTER) - NOTE NUMBER GENERAL NOTE

# LOCATION MAP



550 OLD POST ROAD BEDFORD, NY 10506



MATERIALS LEGEND			
ER		EARTH	
	್ದಿ ಸ್ಟಾರ್ ಬ್ರಾ ಸ್ಟ್ರಾರ್ ಬ್ರಾ ಸ್ಟ್ರಾನ್	POROUS FILL	
	<b>↓</b> ↓ ↓ ↓	CONCRETE	
NG	$\overline{\boxtimes}$	PREFACED CMU	
E	$\bigotimes$	CMU	
		BRICK	
PE		STRUCTURAL STEEL	
N AND		GLASS BLOCK	
	$\square$	ROUGH LUMBER	
ELCHAIR		BLOCKING	
		FINISHED WOOD	
EMOVED		PLYWOOD	
MAIN		RIGID INSULATION	
TION		BATT INSULATION	
		GYPSUM DRYWALL	

# GENERAL NOTES

- 1. THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO ACCOMPLISH A COMPLETE PROJECT. ANYTHING REASONABLY IMPLIED OR INTENDED SHALL BE INCLUDED. THE WORK INCLUDED CONSISTS OF ALL LABOR, MATERIALS, TRANSPORTATION, TOOLS AND EQUIPMENT NECESSARY FOR THE CONSTRUCTION OF THE PROJECT LEAVING ALL WORK CLEAN AND READY FOR USE. IF ANY DISCREPANCIES, CONFLICTS OR OMISSIONS ARE FOUND IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY, ASSUME THE HIGHER QUALITY WORK AND REFRAIN FROM STARTING / COMPLETING SUCH WORK, OR DEPENDENT WORK UNTIL CLARIFIED BY THE ARCHITECT AND TOLD TO PROCEED.
- 2. EACH CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS FOR COMPLETE UNDERSTANDING AND KNOWLEDGE OF THE WORK. ALL WORK SHALL BE DONE BY REQUIRED LICENSED CONTRACTORS IN COMPLIANCE WITH INDUSTRY STANDARDS AND ALL CODE REQUIREMENTS. ALL WORK SHALL BE INSTALLED TRUE PLUMB, SQUARE, LEVEL, AND IN PROPER ALIGNMENT. JOB SITE SAFETY IS THE RESPONSIBILITY OF EACH CONTRACTOR.
- 3. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE BUILDING AND SITE PRIOR TO COMMENCING WORK. VERIFY CLEARANCES FOR FLUES, VENTS, CHASES, SOFFITS, FIXTURES, ETC. BEFORE ANY CONSTRUCTION, ORDERING, OR INSTALLATION OF ANY ITEMS OF WORK. NOTIFY ARCHITECT SHOULD DISCREPANCIES OCCUR PRIOR TO PERFORMING WORK ...
- 4. DIMENSIONS ARE TO EDGE OF SLAB, FACE OF STUD, DOOR/WINDOW OPENING, CENTER OF PLUMBING FIXTURE, UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS TAKE PRECEDENCE. DO NOT SCALE DRAWINGS.
- 5. DETAILS AND NOTES ARE TYPICAL. SIMILAR DETAILS AND NOTES APPLY IN SIMILAR CONDITIONS.
- 6. UNTIL PERMANENT FIRE PROTECTION NEEDS ARE MET, INSTALL FIRE EXTINGUISHERS PER CODE TO PROVIDE TEMPORARY FIRE PROTECTION. OBTAIN APPROVAL OF THE BUILDING AND FIRE DEPARTMENTS AND THE ARCHITECT PRIOR TO INSTALLATION.
- 7. INSTALL ALL FIXTURES, EQUIPMENT AND MATERIAL PER MANUFACTURER'S RECOMMENDATIONS.

# PROJECT TEAM

## **ARCHITECT:**

SULLIVAN ARCHITECTURE P.C. **31 MAMARONECK AVENUE** WHITE PLAINS, NY 10601 (914) 761-6006

## CIVIL ENGINEER

**KELLARD - SESSIONS** 500 MAIN STREET ARMONK, NY 10549 (914) 273-2323

## LANDSCAPE ARCHITECT:

IQ LANDSCAPE ARCHITECTS, P.C. **31 MAMARONECK AVENUE** WHITE PLAINS, NY 10601 (914) 232-0200

# DRAWINGS LIST

A*O*.1 COVER SHEET

LIFE SAFETY

- A0.2 LIFE SAFETY (BASE CONTRACT) LIFE SAFETY (ALTERNATE BUILD-OUT)
- A0.2a A*0*.3 LIFE SAFETY A0.4

/21	OVERALL EXISTING CONDITIONS PLAN
/21	SITE PLAN
/21	GRADING PLAN
/21	DRAINAGE AND UTILITY PLAN
/21	5.5.D.5. PLAN
/21	NYSDOT SITE LINE PROFILES PLAN
/21	NYSDOT WORK ZONE TRAFFIC CONTROL PL
/21	TREE REMOVAL PLAN
/21	DRIVEWAY PROFILES PLAN
0/21	WATER SERVICE PROFILE PLAN
1/21	DRAINAGE PROFILES PLAN
2/21	S.S.D.S. PROFILE PLAN
3/21	SEDIMENT AND EROSION CONTROL PLAN
4/21	SITE DETAILS 1 OF 2

- 14/21 SITE DETAILS 1 OF 2 15/21 SITE DETAILS 2 OF 2
- WATER SERVICE DETAILS 16/21
- 17/21 DRAINAGE DETAILS
- DRAINAGE DETAILS 18/21 19/21 S.S.D.S. DETAILS
- 20/21 SEDIMENT AND EROSION CONTROL DETAILS 21/21 NOTES

## LANDSCAPE:

L-1 LANDSCAPE PLAN L-2 DETAILS

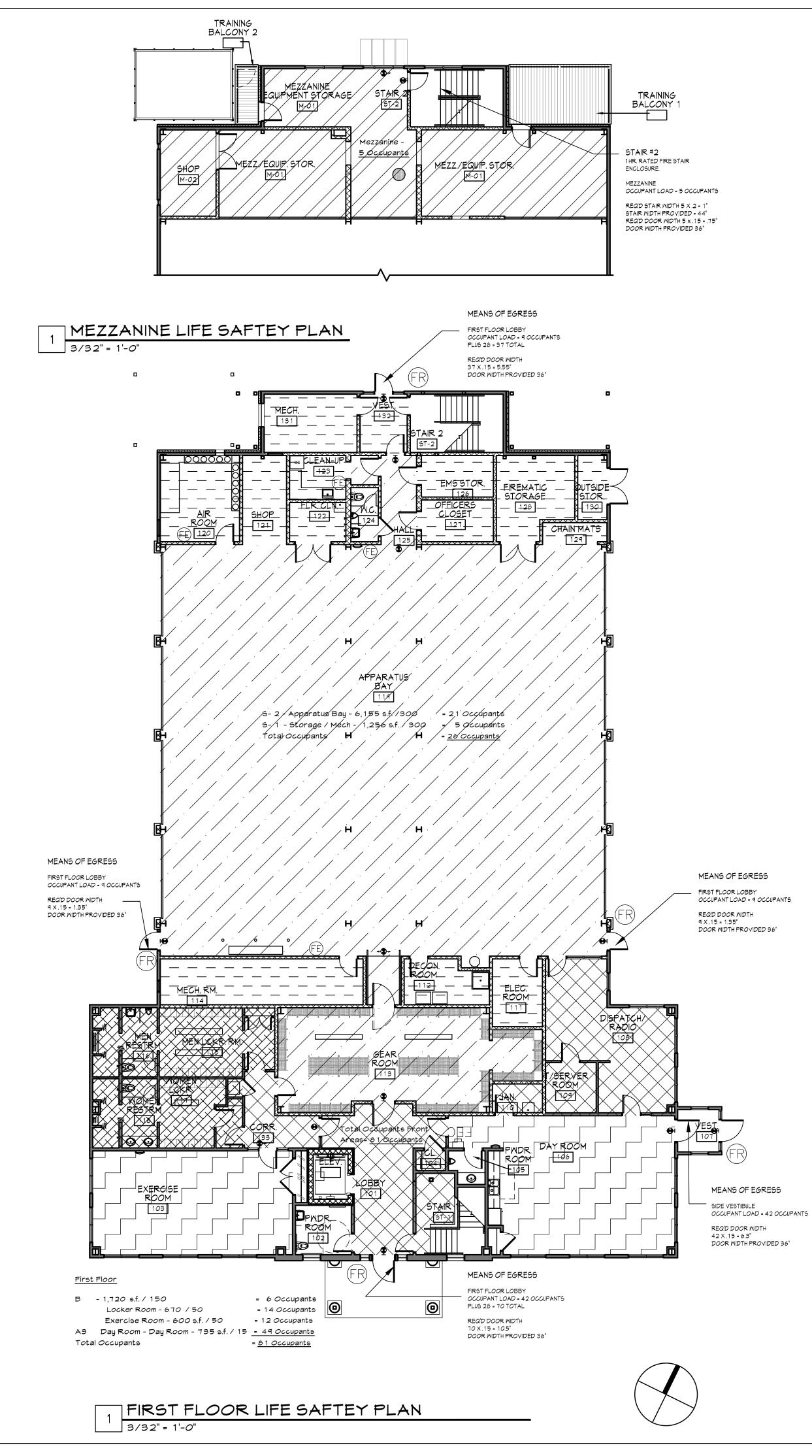
## STRUCTURAL:

## ARCHITECTURAL

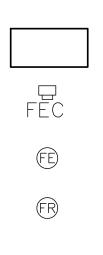
	ECIURAL:
A2.1	FIRST FLOOR PLAN
A2.2	MEZZANINE & SECOND FLOOR PLAN (BASE
A2.2a	SECOND FLOOR PLAN (ALTERNATE BUILD
A2.3	ROOF PLAN
A2.4	PARTITION TYPES
A2.5	DOOR, WINDOW & LOUVER SCHEDULE
A2.6	DOOR TYPES
A3.1	EXTERIOR ELEVATIONS
A3.2	EXTERIOR ELEVATIONS
A4.1	BUILDING SECTIONS
A4.2	BUILDING SECTIONS
A5.1	FINISH SCHEDULE
A5.2	ENLARGED FLOOR PLANS & INTERIOR ELE
A5.3	ENLARGED FLOOR PLANS & INTERIOR ELE
A5.4	ENLARGED FLOOR PLANS & INTERIOR ELE
A5.5	ENLARGED FLOOR PLANS & INTERIOR ELE
A5.6	ENLARGED FLOOR PLANS & INTERIOR ELE
A6.1	FIRST FLOOR REFLECTED CEILING PLAN
A6.2	MEZZANINE & SECOND FLOOR RCP (BASE
A6.2a	SECOND FLOOR RCP (ALTERNATE BUILD-
A7.1	STAIR PLANS, SECTIONS & DETAILS
A7.2	STAIR, LIFT PLANS, SECTIONS & DETAILS
A7.3	ELEVATOR PLAN & SECTION
A8.1	WALL SECTIONS
A8.2	WALL SECTIONS
A8.3	WALL SECTIONS
A8.4	WALL SECTIONS
A8.5	MISCELLANEOUS DETAILS
A8.6	MISCELLANEOUS DETAILS

- A9.1 DOOR DETAILS
- A9.2 DOOR & WINDOW DETAILS

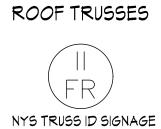
	STRUCTURAL ENGINEER: CONLON ENGINEERING, LLC	Sullivan Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
	246 FEDERAL ROAD, SUITE B23 BROOKFIELD, CT 06804 (203) 740-0990 <u>MEP ENGINEER:</u> OLA CONSULTING ENGINEERS 50 BROADWAY, HAWTHORNE NY 10532 8 WEST 38TH ST. SUITE 501, NY, NY (914) 747-2800	Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
Γ		
	FIRE PROTECTION: FP0.1 FIRE PROTECTION SYMBOLS, ABBREVIATIONS & NOTES FP2.1 FIRE PROTECTION FIRST FLOOR PLAN FP2.2 FIRE PROTECTION MEZZANINE & SECOND FLOOR PLAN FP2.2A FIRE PROTECTION SECOND FLOOR ALTERNATE FP5.1 FIRE PROTECTION RISER DIAGRAMS FP7.1 FIRE PROTECTION DETAILS FP7.2 FIRE PROTECTION DETAILS	Date Issue 01.15.21 ISSUED FOR BID
PLAN	PLUMBING:P0.1PLUMBING SYMBOLS, ABBREVIATIONS & GENERAL NOTESP2.1PLUMBING FIRST FLOOR PLANP2.2PLUMBING MEZZANINE & SECOND FLOOR PLANP2.2APLUMBING SECOND FLOOR ALTERNATE PLANP4.1PLUMBING BACKFLOW PREVENTER PART PLANP4.2PLUMBING BACKFLOW PREVENTOR PART PLANP5.1PLUMBING RISER DIAGRAMSP5.2PLUMBING GAS RISER DIAGRAMP6.1PLUMBING SCHEDULESP7.1PLUMBING DETAILSP7.2PLUMBING DETAILS	
-S PLANS	MECHANICAL SYMBOLS, ABBREVIATIONS & GENERAL NOTES M0.1 MECHANICAL FIRST FLOOR PLAN M2.1 MECHANICAL FIRST FLOOR PLAN M2.2 MECHANICAL MEZZANINE & SECOND FLOOR PLAN M2.2 MECHANICAL SECOND FLOOR ALTERNATE PLAN M2.3 MECHANICAL SECOND FLOOR ALTERNATE PLAN M2.3 MECHANICAL ATTIC PLAN M2.4 MECHANICAL ATTIC ALTERNATE PLAN M3.1 MECHANICAL FIRST FLOOR RADIANT PLAN M6.1 MECHANICAL FIRST FLOOR RADIANT PLAN M6.1 MECHANICAL SCHEDULES & EQUIPMENT NOTES M6.3 MECHANICAL SCHEDULES M7.1 MECHANICAL DETAILS M7.3 MECHANICAL DETAILS	
	<ul> <li>MT.3 MECHANICAL DETAILS</li> <li>ELECTRICAL:</li> <li>EO.1 ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES</li> <li>EO.2 ELECTRICAL GENERAL NOTES AND DEFINITION OF TERMS</li> <li>E1.1 ELECTRICAL SITE PLAN</li> <li>E2.1 ELECTRICAL FIRST FLOOR PLAN - LIGHTING</li> <li>E2.2 ELECTRICAL MEZZANINE &amp; SECOND FLOOR PLAN - LIGHTING</li> <li>E2.3 ELECTRICAL SECOND FLOOR LIGHTING (ALTERNATE)</li> <li>E3.4 ELECTRICAL FIRST FLOOR PLAN - POWER &amp; DATA (ALTERNATE)</li> <li>E3.4 ELECTRICAL ATTIC PLAN - POWER</li> </ul>	Project Title Bedford Fire
ATIONS ASE CONTRACT) LD-OUT)	E5.1 ELECTRICAL ONE-LINE DIAGRAM E6.1 ELECTRICAL LIGHTING FIXTURE SCHEDULES E6.2 ELECTRICAL PANEL SCHEDULES E6.3 ELECTRICAL PANEL SCHEDULES E6.4 ELECTRICAL PANEL SCHEDULES E7.1 ELECTRICAL DETAILS FIRE ALARM SYMBOLS, ABBREVIATIONS,	Headquarters 550 Old Post Road Bedford, NY 10506
ELEVATIONS ELEVATIONS ELEVATIONS ELEVATIONS	NOTES AND RISER DIAGRAM FA2.1 FIRE ALARM FIRST FLOOR PLAN FA2.2 FIRE ALARM MEZZANINE & SECOND FLOOR PLAN FA2.2A FIRE ALARM SECOND FLOOR PLAN (ALTERNATE)	Drawing Title
ELEVATIONS ELEVATIONS N SE CONTRACT) D-OUT)		Project No.1913Date01-28-20ScaleAS NOTEDDrawing bycjp
		Checked by Drawing No. A0.11100 CF NEW YOR Drawing No.

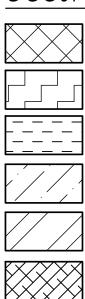


## LEGEND

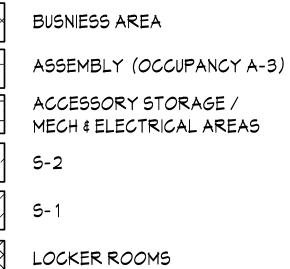


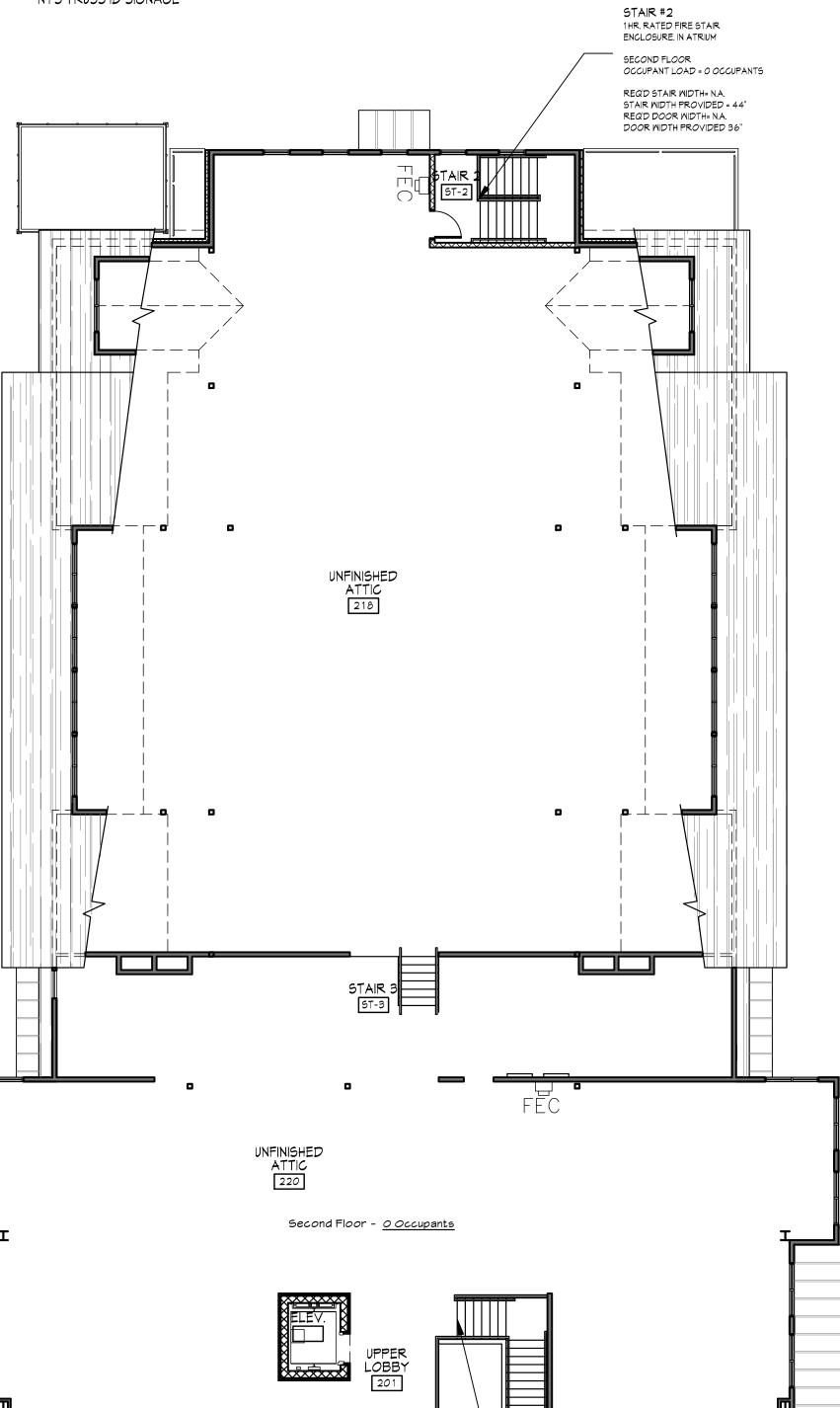
STAIRWAY / ELEVATOR LOBBY MECHANICAL SHAFTS AREA RECESSED FIRE EXTINGUISHER CABINET SEE SPECIFICATIONS WALL MOUNTED PORTABLE FIRE EXTINGUISHER -SEE SPECIFICATIONS NYS TRUSS ID SIGNAGE FOR FLOOR &





OCCUPANCY AREAS





TAIR

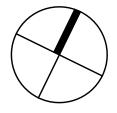
STAIR #1

1HR. RATED FIRE STAIR ENCLOSURE. IN ATRIUM

REQ'D STAIR WIDTH= N.A. STAIR WIDTH PROVIDED = 44"

REQ'D DOOR WIDTH= N.A. DOOR WIDTH PROVIDED 36"

SECOND FLOOR OCCUPANT LOAD = 0 OCCUPANTS

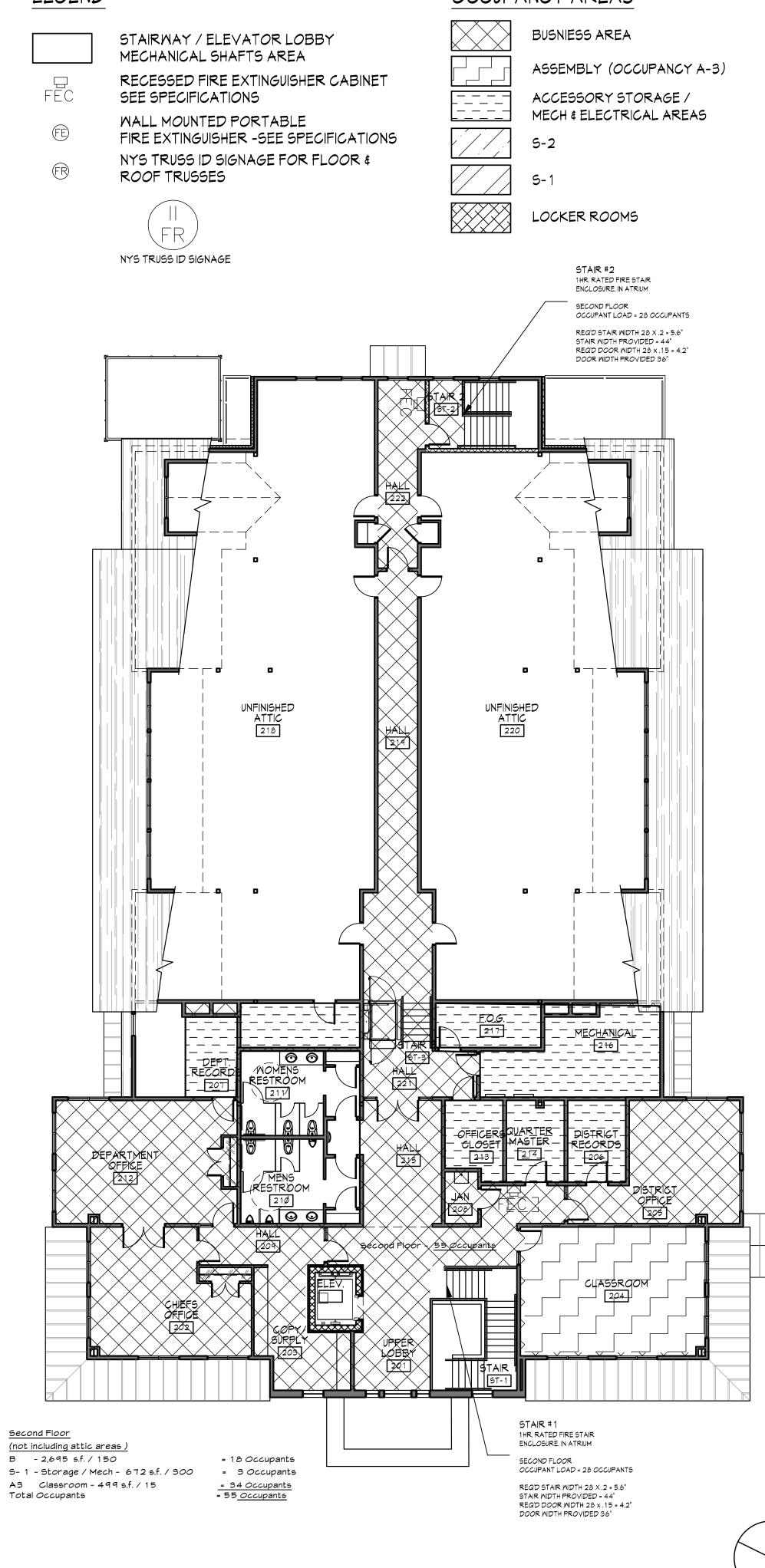


Code Analysis: Bedford Fire Headquaters - Bedford New York	Sullivan Architecture, p.c.
PROJECT SCOPE:	31 Mamaroneck Avenue White Plains, New York 10601
The project is mixed use building, but occupancies are seperated	914-761-6006 (F) 914-761-4919
as a mixed use building as per NYS Building Code. The first floor gross s.f. is 11,950 s.f. and the mezzanine s.f. is 5,035 s.f. and the second floor is 5,035 s.f. which does not include the attic areas	
which total 4,175 s.f. List of applicable State Codes, Reference Codes and Standards:	Owner: Bedford Village Fire District 34 Village Green
2020 Building Code of New York State	Bedford, NY 10506
2020 Fire Code of New York State 2020 Property Maintenance Code of New York State 2020 Mechanical Code of New York State	
2020 Plumbing Code of New York State 2020 Fuel Gas Code of New York State	
2020 Energy Conservation Construction Code	
2020 New York State Supplement NFPA 70 (National Electrical Code)	
National Fire Underwriter Code ICC/ANSI A117.1-2009 Accessible and Usable Buildings and Facilities	
CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE Comply with applicable sections of this Chapter Including;	
302.1 Occupancy classification. Comply with applicable sections of this Chapter Including;	
Occupancy classification is the formal designation of the primary purpose of	
the building, structure or portion thereof. Structures shall be classified into one or more of the occupancy groups listed in this section based on the nature of the hazards and risks to building occupants generally associated with the intended purpose of the building or structure. An area, room or	
space that is intended to be occupied at different times for different purposes shall comply with all applicable requirements associated with such	Date Issue
potential multipurpose. Structures containing multiple occupancy groups shall comply with Section 508. Where a structure is proposed for a purpose that	01.15.21 ISSUED FOR BID
is not specifically listed in this section, such structure shall be classified in the occupancy it most nearly resembles based on the fire safety and relative hazard.	
Assembly (see Section 303): Groups A-3	
Business (see Section 304): Group B. Storage (see Section 311): Groups 5-2.	
CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS Comply with applicable sections of this Chapter Including;	
504.1General.	
The height, in feet, and the number of stories of a building shall be determined based on the type of construction, occupancy classification and whether there is an automatic sprinkler system installed throughout the building.	
504.2Mixed occupancy.	
In a building containing mixed occupancies in accordance with Section 508, no individual occupancy shall exceed the height and number of story limits specified in this section for the applicable occupancies.	
504.3Height in feet. The maximum height, in feet, of a building shall not exceed the limits specified in Table 504.3. Table 504.3. Occupancy B. Sprinkland, Type JB. 75' 0"	
in Table 504.3. Table 504.3 - Occupancy B - Sprinklered - Type IIB - 75'-0" 504.4Number of stories.	
The maximum number of stories of a building shall not exceed the limits specified in Table 504.4. Table 504.4 - Occupancy B - Sprinklered - Type IIB - 4 stories	
505.2Mezzanines.	Project Title
A mezzanine or mezzanines in compliance with Section 505.2 shall be considered a portion of the story below. Such mezzanines shall not	Bedford
contribute to either the building area or number of stories as regulated by Section 503.1. The area of the mezzanine shall be included in determining the fine area. The clear height above and below the mezzanine floor construction	Fire
fire area. The clear height above and below the mezzanine floor construction shall be not less than 7 feet (2134 mm).	Headquarters
505.2.2Means of egress.	Theatquarters
The means of egress for mezzanines shall comply with the applicable provisions of Chapter 10.	550 Old Post Road Bedford, NY 10506
	Drawing Title LIFE SAFETY
	(BASE CONTRACT)
	Project No. 1913
	Date         01-28-20           Scale         AS NOTED
	Drawing by cjp
	Checked by Drawing No.
	A0.2

NOTE: THE SECOND FLOOR PLAN BUILD-OUT SHOWN ON AO.2a SHALL BE PRICED AS AN ADD-ALTERNATE. REFER TO AO.2 FOR ELEMENTS OF THE SECOND FLOOR THAT ARE INCLUDED IN THE BASE CONTRACT.

## LEGEND





Code Analucic.	
COde Analysis: Bedford Fire Headquaters - Bedford New York	Sullivan Architecture, p.c.
PROJECT SCOPE:	31 Mamaroneck Avenue
The project is mixed use building, but occupancies are seperated	White Plains, New York 10601 914-761-6006 (F) 914-761-4919
as a mixed use building as per NYS Building Code. The first floor gross s.f. is 11,950 s.f. and the mezzanine s.f. is 5,035 s.f. and the	
second floor is 5,035 s.f. which does not include the attic areas	
which total 4,175 s.f.	
List of applicable State Codes, Reference Codes and	Owner: Bedford Village
Standards:	Fire District
2020 Building Code of New York State	34 Village Green Bedford, NY 10506
2020 Fire Code of New York State	
2020 Property Maintenance Code of New York State 2020 Mechanical Code of New York State	
2020 Plumbing Code of New York State	
2020 Fuel Gas Code of New York State	
2020 Energy Conservation Construction Code 2020 New York State Supplement	
NFPA 70 (National Electrical Code)	
National Fire Underwriter Code ICC/ANSI A117.1-2009 Accessible and Usable Buildings and Facilities	
<u>CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE</u> Comply with applicable sections of this Chapter Including;	
302.10ccupancy classification.	
Comply with applicable sections of this Chapter Including;	
Occupancy classification is the formal designation of the primary purpose of the building, structure or portion thereof. Structures shall be classified into	
one or more of the occupancy groups listed in this section based on the	
nature of the hazards and risks to building occupants generally associated with the intended purpose of the building or structure. An area, room or	
space that is intended to be occupied at different times for different purposes shall comply with all applicable requirements associated with such	
potential multipurpose. Structures containing multiple occupancy groups shall comply with Section 508. Where a structure is proposed for a purpose that	Date Issue
is not specifically listed in this section, such structure shall be classified in the occupancy it most nearly resembles based on the fire safety and relative	01.15.21 ISSUED FOR BID
hazard.	
Assembly (see Section 303): Groups A-3	
Business (see Section 304): Group B.	
Storage (see Section 311): Groups 5–2.	
CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS	
BASED ON OCCUPANCY AND USE Comply with applicable sections of this Chapter Including;	
404.1General. In other than Group H occupancies, and where permitted by	
Section 712.1.7, the provisions of Sections 404.1 through 404.10 shall apply to buildings or structures containing vertical openings defined	
as "Atriums."	
404.3Automatic sprinkler protection.	
An approved automatic sprinkler system shall be installed throughout the entire building.	
404.55moke control. A smoke control system shall be installed in accordance with Section 909.	
Exception: In other than Group 1-2, and Group 1-1, Condition 2, smoke control is not required for atriums that connect only two stories.	
is not required for all lums that connect only two stories.	
404.6Enclosure of atriums.	
Atrium spaces shall be separated from adjacent spaces by a 1-hour fire barrier constructed in accordance with Section 707 or a horizontal	
assembly constructed in accordance with Section 711, or both.	Project Title
Exceptions:	Bedford
4. A fire barrier is not required between the atrium and the adjoining spaces where the atrium is not required to be provided with a smoke control system.	
CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS	Fire
Comply with applicable sections of this Chapter Including;	Headquarters
504.1General.	rieudquarters
The height, in feet, and the number of stories of a building shall be determined based on the type of construction, occupancy classification and whether	550 Old Post Road
there is an automatic sprinkler system installed throughout the building.	Bedford, NY 10506
504.2Mixed occupancy.	
In a building containing mixed occupancies in accordance with Section 508,	
no individual occupancy shall exceed the height and number of story limits specified in this section for the applicable occupancies.	Drawing Title LIFE SAFETY
504.3Height in feet.	CODEREVIEW
The maximum height, in feet, of a building shall not exceed the limits specified	(ALTERNATE BUILD-OUT)
in Table 504.3. Table 504.3 – Occupancy B – Sprinklered – Type IIB – 75'-0"	
504.4Number of stories.	Project No. 1913
The maximum number of stories of a building shall not exceed the limits specified in Table 504.4.	Date 01-28-20
Table 504.4 – Occupancy B – Sprinklered – Type IIB – 4 stories	Scale AS NOTED
505.2Mezzanines.	Drawing by cjp
A mezzanine or mezzanines in compliance with Section 505.2 shall be considered a portion of the story below. Such mezzanines shall not	Checked by
contribute to either the building area or number of stories as regulated by Section 503.1. The area of the mezzanine shall be included in determining the	Drawing No.
fire area. The clear height above and below the mezzanine floor construction shall be not less than 7 feet (2134 mm).	THE SULLIFIC
	A0.2a
505.2.2Means of egress. The means of egress for mezzanines shall comply with the applicable	1 10.24
provisions of Chapter 10.	

#### 505.3.2 Automatic sprinkler system.

Where located in a building that is required to be protected by an automatic sprinkler system, equipment platforms shall be fully protected by sprinklers above and below the platform, where required by the standards referenced in Section 903.3.

#### 505.3.3Guards.

Equipment platforms shall have guards where required by Section 1015.2.

#### 506.1General.

The floor area of a building shall be determined based on the type of construction, occupancy classification, whether there is an automatic sprinkler system installed throughout the building and the amount of building frontage on public way or open space.

#### 506.2Allowable area determination.

The allowable area of a building shall be determined in accordance with the applicable provisions of Sections 506.2.1 through 506.2.4 and Section 506.3. Table 506.2 - (SM) Sprinklered - Type IIB - 4 stories - 57,000 s.f.

#### 508.45eparated occupancies.

Buildings or portions of buildings that comply with the provisions of this section shall be considered as separated occupancies. TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES B to 5-2 - 1 hour required with sprinklers throughout.

#### CHAPTER 6 - TYPES OF CONSTRUCTION

Comply with applicable sections of this Chapter Including;

Group B (table 601) – Type IIB Construction w/ Sprinklers

Type IIB - with added sprinklers Primary Structural frame - 0 hr. Bearing Walls - 0 hr. (Exterior) Bearing Walls - 0 hr. (Interior) Non-bearing Walls - 0 hr. (Interior) Floor Construction - 0 hr. Roof Construction - 0 hr.

Doors in walls noted above to be rated as per code and have rated labels accordingly.

#### 602.2Types I and II. Types I and II construction are those types of construction in which the building elements listed in Table 601 are of noncombustible materials, except as permitted in Section 603 and elsewhere in this code.

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES Comply with applicable sections of this Chapter Including;

#### SECTION 707 - FIRE BARRIERS

#### 707.1General.

Fire barriers installed as required elsewhere in this code or the Fire Code of New York State shall comply with this section.

#### 707.3.1Shaft enclosures.

The fire-resistance rating of the fire barrier separating building areas from a shaft shall comply with Section 713.4.

#### 707.3.5Horizontal exit.

The fire-resistance rating of the separation between building areas connected by a horizontal exit shall comply with Section 1026.1.

#### 707.3.6Atriums.

The fire-resistance rating of the fire barrier separating atriums shall comply with Section 404.6.

#### 707.3.7Incidental uses.

The fire barrier separating incidental uses from other spaces in the building shall have a fire-resistance rating of not less than that indicated in Table 509.

#### 707.3.9Separated occupancies.

Where the provisions of Section 508.4 are applicable, the fire barrier separating mixed occupancies shall have a fire-resistance rating of not less than that indicated in Table 508.4 based on the occupancies being separated.

#### SECTION 709 - SMOKE BARRIERS

#### 709.2Materials.

Smoke barriers shall be of materials permitted by the building type of construction.

#### 709.3Fire-resistance rating.

A 1-hour fire-resistance rating is required for smoke barriers.

709.4.25moke-barrier walls enclosing areas of refuge or elevator lobbies. Smoke-barrier walls used to enclose areas of refuge in accordance with Section 1009.6.4, or to enclose elevator lobbies in accordance with Section 405.4.3, 3007.6.2, or 3008.6.2, shall form an effective membrane enclosure that terminates at a fire barrier wall having a level of fire protection rating not less than 1 hour, another smoke barrier wall or an outside wall. A smoke and draft control door assembly as specified in Section 716.2.2.1.1 shall not be required at each elevator hoistway door opening or at each exit doorway between an area of refuge and the exit enclosure.

#### SECTION 712 - VERTICAL OPENINGS

#### 712.1General.

Each vertical opening shall comply in accordance with one of the protection methods in Sections 712.1.1 through 712.1.16.

#### 712.1.1Shaft enclosures.

Vertical openings contained entirely within a shaft enclosure complying with Section 713 shall be permitted.

#### 7 1 2.1.9Two-story openings. In other than Groups I-2 and I-3, a the applications listed in this section complies with all of the following ite

1.Does not connect more than two 2.Does not penetrate a horizontal smoke barriers that separate smok 3.Is not concealed within the constr assembly.

4.1s not open to a corridor in Group
5.1s not open to a corridor on nons
6.1s separated from floor openings
floors by construction conforming

#### 713.4Fire-resistance rating.

Shaft enclosures shall have a fire-r where connecting four stories or m connecting less than four stories. T shaft enclosure shall include any bas enclosures shall have a fire-resista assembly penetrated, but need not meet the requirements of Section T

#### <u>CHAPTER 8 - INTERIOR FINISHES</u> Comply with applicable sections of

802.1 Interior wall and ceiling finish. The provisions of Section 803 sha smoke development of interior wall occupancy classification.

#### SECTION803-WALL AND CEILING

802.5Application. Combustible materials shall be perm ceilings, floors and other interior su

#### 803.1General.

Interior wall and ceiling finish materi performance and smoke developme or 803.1.2, except as shown in Sec Materials tested in accordance wit to be tested in accordance with Se

#### 803.1.1Interior wall and ceiling finis NFPA 286.

Interior wall and ceiling finish materi NFPA 286 and comply with Section Section 803.1.1.1 shall be conside of Class A.

Interior and Ceiling Finish Requireme Class B - Interior exit stairways Class C - Corridors

Class C - Rooms and Enclosed space

SECTION804 - INTERIOR FLOOR

#### 804.1General. Interior floor finish and floor cover 804.2 through 804.4.2.

Exception: Floor finishes and cover vinyl, linoleum or terrazzo, and resilic comprised of fibers.

#### 804.2Classification.

Interior floor finish and floor cover to be of Class I or II materials shall E648 or NFPA 253. The classifica the classifications determined by A Class I, 0.45 watts/cm2 or greater

#### 804.3Testing and identification.

Interior floor finish and floor cover in accordance with ASTM E648 or or other suitable method so as to is style, and shall indicate the interior classification in accordance with So coverings shall be tested as propor reports confirming the information identification shall be furnished to t

804.4Interior floor finish requirement Interior floor covering materials sh 804.4.2 and interior floor finish ma

#### 804.4.1 Test requirement. In all occupancies, interior floor corequirements of the DOC FF-1 "pill ASTM D2859.

804.4.2 Minimum critical radiant flux In all occupancies, interior floor fini enclosures for stairways and ramps or spaces not separated from corr floor to the underside of the ceiling flux. The minimum critical radiant flux I-1, I-2 and I-3 and not less than Cla and S.

Exception: Where a building is equip sprinkler system in accordance with materials are permitted in any area materials complying with DOC FF-1 with ASTM D2859 are permitted in required.

	SECTION 808 - ACOUSTICAL CEILING SYSTEMS	Г	PLUMBING CODE
a vertical opening that is not used as one of tion shall be permitted if the opening	808.1 Acoustical ceiling systems.		Fixture Provided
tems:	The quality, design, fabrication and erection of metal suspension s acoustical tile and lay-in panel ceilings in buildings or structures s	•	<u>First Floor</u> Lockers - 1 Wal
o stories. al assembly that separates fire areas or	to generally accepted engineering practice, the provisions of this and other applicable requirements of this code.		- 1 Wa
noke compartments.	808.1.1.1Suspended acoustical ceilings.		- 1 Unis
struction of a wall or a floor/ceiling	Suspended acoustical ceiling systems shall be installed in accorda	ance with the	- 1 uni: - 1 Ma
oup I and R occupancies. nsprinklered floors.	provisions of ASTM C635 and ASTM C636.		
gs and air transfer openings serving other 1g to required shaft enclosures.	CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS Comply with applicable sections of this Chapter Including;	NOTE: INCLUDED	- Ser - 1 D
		ONLY FOR FULL	Second Floor
e-resistance rating of not less than 2 hours	See Consulting engineering documents	SECOND STORY BUILD-OUT	Toilets - 1 ADA
more, and not less than 1 hour where b. The number of stories connected by the	<u>CHAPTER 10 - MEANS OF EGRESS</u> Comply with applicable sections of this Chapter Including;	ALTERNATE — —	- 1 AD
pasements but not any mezzanines. Shaft tance rating not less than the floor	1003.2Ceiling height.	L,	- Servi
ot exceed 2 hours. Shaft enclosures shall n 703.2.1.	The means of egress shall have a ceiling height of not less than 7 inches (2286 mm) above the finished floor.	feet 6	SECTION 1005 -
5			1005.3Required
of this Chapter Including;	1003.45lip-resistant surface. Circulation paths of the means of egress shall have a slip-resista	ant surface	The required cap space or story sl
sh. hall limit the allowable fire performance and	and be securely attached.		1005.3.1 and 10
all and ceiling finish materials based on	1003.6Means of egress continuity. The path of egress travel along a means of egress shall not be in	terrupted	1005.3.1Stairwa The capacity, in ir
IG FINISHES	by a building element other than a means of egress component as this chapter. Obstructions shall not be placed in the minimum widt	specified in	multiplying the occurst factor of
ig finishes	required capacity of a means of egress component except proje permitted by this chapter. The minimum width or required capacitu	ections	than one story, or be used in calcula
rmitted to be used as finish for walls,	of egress system shall not be diminished along the path of egress	5	Exceptions:
surfaces of buildings.	1003.7Elevators, escalators and moving walks.		1.For other than a egress stairways
	Elevators, escalators and moving walks shall not be used as a co a required means of egress from any other part of the building.	mponent of	such stairways by occupant in buildi
erials shall be classified for fire ment in accordance with Section 803.1.1 Sections 803.1.3 through 803.15.	Exception: Elevators used as an accessible means of egress in a	ccordance	installed in accor voice/alarm com
with Section 803.1.1 shall not be required Section 803.1.2.	with Section 1009.4.		1005.3.20ther e
	SECTION 1004 - OCCUPANT LOAD		The capacity, in ir be calculated by r
nish materials tested in accordance with	1004.1Design occupant load.		means of egress
erials shall be classified in accordance with on 803.1.1.1. Materials complying with	In determining means of egress requirements, the number of occu whom means of egress facilities are provided shall be determined		Exceptions: 1.For other than (
dered to also comply with the requirements	accordance with this section.		egress componer occupant load se
ments by Occupancy – (table 803.13)	Max. Floor Area Allowances per Occupant per Table 1004.5 Business Areas 150 gross		of 0.'15 inch (3.8 automatic sprinkl
	Assembly: 15 net - if over 750 s.f. of not 150 g Accessory Stor. / Mech. 300 gross	ross	903.3.1.2 and an with Section 907
paces	Garages 200 gross		1005.4Continui
R FINISH	Exercise Room 50 gross Locker Rooms 50 gross		The minimum widt any story of a bi
	<u> Area / Occupant - Summary</u>		until arrival at th
ering materials shall comply with Sections	First Floor – Gross s.f. = 11,950 s.f.		SECTION 1006
verings of a traditional type, such as wood,	B - 1,720 s.f. / 150 = 6 Occupants S- 2 - Apparatus Bay - 6,155 s.f. /300 = 21 Occupants		1006.1General.
silient floor covering materials that are not	S-1-Storage/Mech-1,256 s.f./300 = 5 Occupants		The number of e egress system s
	Locker Room - 670 / 50 = 14 Occupants Exercise Room - 600 s.f. / 50 = 12 Occupants		spaces, including
vering materials required by Section 804.4.2	Toilets – stairs 150 s.f. = 0 occupants Rear Stair – 150 s.f. = 0 Occupants		1006.2Egress f Rooms, areas or
all be classified in accordance with ASTM cation referred to herein corresponds to	Elevator - 67 s.f. = 0 Occupants		shall be provided with this section
ASTM E648 or NFPA 253 as follows: ter; Class II, 0.22 watts/cm2 or greater.	Incidental Uses under 750 s.f. A3     Day Room – Day Room – 735 s.f. / 15 <u>= 49 Occupants</u>		1006.2.1Egress
	First Floor - Total Occupants = <u>107 Occupants</u>		distance. Two exits or exi
ering materials shall be tested by an agency or NFPA 253 and identified by a hang tag	<u>Mezzanine – Gross s.f. = 5,035 s.f.</u> S- 1 – Storage / Mech –  1,412 s.f. / 300     =   5 Occupants		the design occup exceeds the value
o identify the manufacturer or supplier and or floor finish or floor covering	,	<b>``</b>	from adjacent r with Section 10
Section 804.2. Carpet-type floor posed for use, including underlayment. Test	<u>Second Floor - Gross s.f. = 5,035 s.f.</u> (not including attic areas - 4,175 s.f.)		1006.3.2Egress
on provided in the manufacturer's product o the building official upon request.	B       - 2,695 s.f. / 150       = 18 Occupants         S-1       - Storage / Mech - 672 s.f. / 300       = 3 Occupants	ONLY FOR FULL	Each story and o
ements.	Toilets - 432 s.f. = 0 occupants	SECOND STORY BUILD-OUT	distinct exits, or exit or access t 1006.3.3. The re
shall comply with Sections 804.4.1 and materials shall comply with Section 804.4.2.	Elevator-67 s.f.=0 OccupantsIncidental Uses under 750 s.f.	ALTERNATE	providing acces maintained until a
	A3Classroom - 499 s.f. / 15= 34 OccupantsSecond Floor - Total Occupants= 55 Occupants		
overing materials shall comply with the		<u>→</u>	TABLE 1006.3. MINIMUM NUMBE
oill test" (CPSC 16 CFR Part 1630) or with	Comply with all applicable sections of this Chapter Including;		1-500 - 2 Exite
flux.	SECTION 403 - Minimum Plumbing Fixtures Required		MEANS OF EGR
inish and floor covering materials in nps, exit passageways, corridors and rooms	Comply with applicable sections of this Chapter Including;		1008.2111uminati
orridors by partitions extending from the ing shall withstand a minimum critical radiant	Business Occupancy total occupancy 167 / 2 = 84 Male & Fema Fixture Requirments	ale	The means of eg that the room o
flux shall be not less than Class I in Groups Class II in Groups A, B, E, H, I-4, M, R-1, R-2	<u>Fixture Requirments</u> 1 per 25 Water Closets for first 50 and		1 <i>008.2.</i> 1111umina
	1 per 50 for the remainder exceeding 50 3 water closets Male & 3 water closets Female re	quired	The means of eg lux) at the walkir
uipped throughout with an automatic vith Section 903.3.1.1 or 903.3.1.2, Class II	- 6 total		1008.3Emergen
ea where Class I materials are required, and -1 "pill test" (CPSC 16 CFR Part 1630) or	1 per 40 Lavatories for first 80 and 1 per 80 for the remainder exceeding 80		The power supp
d in any area where Class II materials are	3 Lavatory Male & 3 Lavatory Female required – 1 Service sink	6 total	by the premises'
	1 Drinking Fountain per 100		
		J	

CODE (Con')	Sullivan Architecture, p.c.
ovided	31 Mamaroneck Avenue White Plains, New York 10601
1 Water Closet Male, 1 Lavatory and 1 urinal and 2 showers 1 Water Closet Female, 2 Lavatory, 2 showers	914-761-6006 (F) 914-761-4919
-1 Unisex ADA / Family -1 Water Closet ,1 Lavatory - 1 unisex -1 Water Closet ,1 Lavatory - 1 Male Powder - 1 Urinal, 1 Lavatory	Owner: Bedford Village
- Service sinks 1 · 1 Decon Deep Tub and 1 counter service sink	Fire District 34 Village Green Bedford, NY 10506
<u>por</u> 1 ADA Water Closet, 1 Water Closet Male, 2 Lavatory and 3 urinals 1 ADA Water Closet, 2 Water Closet Female, 2 Lavatory	
Service sinks 1	
005 - MEANS OF EGRESS SIZING	
quired capacity based on occupant load. ed capacity, in inches (mm), of the means of egress for any room, area, tory shall be not less than that determined in accordance with Sections and 1005.3.2.	
otairways. Ity, in inches, of means of egress stairways shall be calculated by the occupant load served by such stairways by a means of egress actor of 0.3 inch (7.6 mm) per occupant. Where stairways serve more cory, only the occupant load of each story considered individually shall calculating the required capacity of the stairways serving that story.	
5: T than Group H and I-2 occupancies, the capacity, in inches, of means of irways shall be calculated by multiplying the occupant load served by vays by a means of egress capacity factor of 0.2 inch (5.1 mm) per n buildings equipped throughout with an automatic sprinkler system accordance with Section 903.3.1.1 or 903.3.1.2 and an emergency	Date Issue
m communication system in accordance with Section 907.5.2.2.	01.15.21 ISSUED FOR BID
Other egress components. Ity, in inches, of means of egress components other than stairways shall ed by multiplying the occupant load served by such component by a gress capacity factor of 0.2 inch (5.1 mm) per occupant.	
than Group H and I-2 occupancies, the capacity, in inches, of means of nponents other than stairways shall be calculated by multiplying the oad served by such component by a means of egress capacity factor (3.8 mm) per occupant in buildings equipped throughout with an sprinkler system installed in accordance with Section 903.3.1.1 or and an emergency voice/alarm communication system in accordance on 907.5.2.2.	
ontinuity. Im width or required capacity of the means of egress required from of a building shall not be reduced along the path of egress travel al at the public way.	
1006 -NUMBER OF EXITS AND EXIT ACCESS DOORWAYS	
eneral.	
r of exits or exit access doorways required within the means of stem shall comply with the provisions of Section 1006.2 for cluding mezzanines,	
ress from spaces. eas or spaces, including mezzanines, within a story or basement ovided with the number of exits or access to exits in accordance	
ection.	Project Title
Egress based on occupant load and common path of egress travel	Bedford
or exit access doorways from any space shall be provided where occupant load or the common path of egress travel distance he values listed in Table 1006.2.1. The cumulative occupant load cent rooms, areas or spaces shall be determined in accordance on 1004.2.	Fire
Egress based on occupant load. y and occupied roof shall have the minimum number of separate and kits, or access to exits, as specified in Table 1006.3.2. A single cess to a single exit shall be permitted in accordance with Section The required number of exits, or exit access stairways or ramps access to exits, from any story or occupied roof shall be I until arrival at the exit discharge or a public way.	Headquarters 550 Old Post Road Bedford, NY 10506
006.3.2 IUMBER OF EXITS OR ACCESS TO EXITS PER STORY 2 Exits	Drawing Title
FEGRESS ILLUMINATION	CODE REVIEW
mination required. of egress serving a room or space shall be illuminated at all times oom or space is occupied.	Project No. 1913
llumination level under normal power. of egress illumination level shall be not less than 1 footcandle (11 walking surface.	Date01-28-20ScaleAS NOTEDDrawing byc jp
nergency power for illumination. • supply for means of egress illumination shall normally be provided mises' electrical supply.	Checked by Drawing No. A0.3

#### 1008.3.1 General. In the event of power supply failure in rooms and spaces that require two or more means of egress, an emergency electrical system shall automatically illuminate all of the following areas: 1.Aisles. 2.Corridors. 3.Exit access stairways and ramps.

#### 1008.3.2 Buildings.

In the event of power supply failure in buildings that require two or more means of egress, an emergency electrical system shall automatically illuminate all of the following areas:

1.Interior exit access stairways and ramps.

2.Interior and exterior exit stairways and ramps.

#### 3.Exit passageways.

4. Vestibules and areas on the level of discharge used for exit discharge in accordance with Section 1028.1

#### 5. Exterior landings as required by Section 1010.1.6 for exit doorways that lead directly to the exit discharge.

#### 1008.3.3 Rooms and spaces.

In the event of power supply failure, an emergency electrical system shall automatically illuminate all of the following areas:

- 1.Electrical equipment rooms.
- 2.Fire command centers.
- 3.Fire pump rooms.
- 4.Generator rooms.

5.Public restrooms with an area greater than 300 square feet (27.87 m2).

#### 1009.4Elevators.

In order to be considered part of an accessible means of egress, an elevator shall comply with Sections 1009.4.1 and 1009.4.2.

#### 1009.4.1 Standby power.

The elevator shall meet the emergency operation and signaling device requirements of Section 2.27 of ASME A17.1/CSA B44. Standby power shall be provided in accordance with Chapter 27 and Section 3003.

#### 1009.4.2 Area of refuge.

The elevator shall be accessed from an area of refuge complying with Section 1009.6.

#### Exceptions:

1. Areas of refuge are not required at the elevator in open parking garages. 2. Areas of refuge are not required in buildings and facilities equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2. 3. Areas of refuge are not required at elevators not required to be located in a shaft in accordance with Section 712.

4. Areas of refuge are not required at elevators serving smoke-protected or open-air assembly seating areas complying with Sections 1029.6.2 and 1029.6.3. 5. Areas of refuge are not required for elevators accessed from a refuge area in conjunction with a horizontal exit.

#### 1009.6Areas of refuge.

Every required area of refuge shall be accessible from the space it serves by an accessible means of eqress.

#### 1009.6.1 Travel distance.

The maximum travel distance from any accessible space to an area of refuge shall not exceed the exit access travel distance permitted for the occupancy in accordance with Section 1017.1.

#### 1009.6.2Stairway or elevator access.

Every required area of refuge shall have direct access to a stairway complying with Sections 1009.3 and 1023 or an elevator complying with Section 1009.4.

#### 1009.6.35ize.

Each area of refuge shall be sized to accommodate one wheelchair space of 30 inches by 48 inches (762 mm by 1219 mm) for each 200 occupants or portion thereof, based on the occupant load of the area of refuge and areas served by the area of refuge. Such wheelchair spaces shall not reduce the means of egress minimum width or required capacity. Access to any of the required wheelchair spaces in an area of refuge shall not be obstructed by more than one adjoining wheelchair space.

#### 1009.6.4Separation.

Each area of refuge shall be separated from the remainder of the story by a smoke barrier complying with Section 709 or a horizontal exit complying with Section 1026. Each area of refuge shall be designed to minimize the intrusion of smoke.

#### Exceptions:

1. Areas of refuge located within an enclosure for interior exit stairways complying with Section 1023.

#### 2. Areas of refuge in outdoor facilities where exit access is essentially open to the outside.

1009.6.5Two-way communication. Areas of refuge shall be provided with a two-way communication system complying with Sections 1009.8.1 and 1009.8.2.

1009.7.4Stairways.

Stairways that are part of the means of egress for the exterior area for assisted rescue shall provide a minimum clear width of 48 inches (1220 mm) between handrails.

Exception: The minimum clear width of 48 inches (1220 mm) between handrails is not required at stairways serving buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.

#### CHAPTER 11 - ACCESSIBILITY Comply with applicable sections of this Chapter Including;

SECTION 1 104 ACCESSIBLE ROUTE

1104.15ite arrival points. At least one accessible route within the site shall be provided from public transportation stops, accessible parking, accessible passenger loading zones, and public streets or sidewalks to the accessible building entrance served.

1 104.2Within a site. At least one accessible route shall connect accessible buildings, accessible facilities, accessible elements and accessible spaces that are on the same site.

1104.3Connected spaces.

Where a building or portion of a building is required to be accessible, at least one accessible route shall be provided to each portion of the building, to accessible building entrances connecting accessible pedestrian walkways and to the public way.

1104.3.1Employee work areas.

SECTION 1 105 ACCESSIBLE ENTRANCES

1105.1Public entrances. In addition to accessible entrances required by Sections 1105.1.1 through 1105.1.7, at least 60 percent of all public entrances shall be accessible.

SECTION 1 106 PARKING AND PASSENGER LOADING FACILITIES

1106.1Required. Mhere parking is provided, accessible parking spaces shall be provided in compliance with Table 1106.1, except as required by Sections 1106.2 through 1106.4. Where more than one parking facility is provided on a site, the number of parking spaces required to be accessible shall be calculated separately for each parking facility.

1106.5 Van spaces. For every six or fraction of six accessible parking spaces, at least one shall be a van-accessible parking space.

SECTION 1109 - OTHER FEATURES AND FACILITIES

1109.1General. Accessible building features and facilities shall be provided in accordance with Sections 1109.2 through 1109.15.

1109.2Toilet and bathing facilities. Each toilet room and bathing room shall be accessible. Where a floor level is not required to be connected by an accessible route, the only toilet rooms or bathing rooms provided within the facility shall not be located on the inaccessible floor. Except as provided for in Sections 1109.2.2 and 1109.2.3, at least one of each type of fixture, element, control or dispenser in each accessible toilet room and bathing room shall be accessible.

1 109.2.2Water closet compartment. Where water closet compartments are provided in a toilet room or bathing room, at least 5 percent of the total number of compartments shall be wheelchair accessible. Where the combined total water closet compartments and urinals provided in a toilet room or bathing room is six or more, at least 5 percent of the total number of compartments shall be ambulatory accessible, provided in addition to the wheelchair-accessible compartment.

#### 1109.2.3Lavatories.

Where lavatories are provided, at least 5 percent, but not less than one, shall be accessible. Where an accessible lavatory is located within the accessible water closet compartment at least one additional accessible lavatory shall be provided in the multicompartment toilet room outside the water closet compartment. Where the total lavatories provided in a toilet room or bathing facility is six or more, at least one lavatory with enhanced reach ranges shall be provided.

1109.35inks.

Where sinks are provided, at least 5 percent but not less than one provided in accessible spaces shall be accessible.

1109.4 Kitchens and kitchenettes. Where kitchens and kitchenettes are provided in accessible spaces or rooms, they shall be accessible.

#### 1109.5.1 Minimum number.

Not fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons.

1109.7 Elevators. 30.

1109.8 Lifts. installed as per ASME A18.1.

# 1109.9Storage.

Where fixed or built-in storage elements such as cabinets, coat hooks, shelves, medicine cabinets, lockers, closets and drawers are provided in required accessible spaces, at least 5 percent, but not less than one of each type shall be accessible.

Common use circulation paths within employee work areas shall be accessible routes.

Passenger elevators on an accessible route shall be accessible and comply with Chapter

CHAPTER 12 INTERIOR ENVIRONMENT: Comply with applicable sections of this Chapter Including; See MEP Documents

CHAPTER 13 ENERGY EFFICIENCY: Comply with applicable sections of this Chapter Including; See Com Check and MEP Documents.

CHAPTER 14 EXTERIOR WALLS: Comply with applicable sections of this Chapter Including;

CHAPTER 15 ROOF ASSEMBLIES AND ROOF TOP STRUCTURES: Comply with applicable sections of this Chapter Including;

504.1 Wind resistance of roofs. Roof decks and roof coverings shall be designed for wind loads in accordance with Chapter 16 and Sections 1504.2, 1504.3 and 1504.4.

1504.1.1 Wind resistance of asphalt shingles. Asphalt shingles shall be tested in accordance with ASTM D7158. Asphalt shingles shall meet the classification requirements of Table 1504.1.1 for the appropriate maximum basic wind speed. Asphalt shingle packaging shall bear a label to indicate compliance with ASTM D7158 and the required classification in Table 1504.1.1.

Exception: Asphalt shingles not included in the scope of ASTM D7158 shall be tested and labeled in accordance with ASTM D3161. Asphalt shingle packaging shall bear a label to indicate compliance with ASTM D3161 and the required classification in Table 1504.1.1.

TABLE 1504.1.1

CLASSIFICATION OF STEEP SLOPE ROOF SHINGLES TESTED IN ACCORDANCE WITH ASTM D3161 OR D7158

MAXIMUM BASIC WIND SPEED, V, FROM FIGURES 1609.3(1) - 116 MPH MAXIMUM ALLOWABLE STRESS DESIGN WIND SPEED, Vasd, FROM TABLE 1609.3.1 (mph) - 90 mph

ASTM D7158a CLASSIFICATION - D, G or H ASTM D3161CLASSIFICATION - A, D or F

1505.3Class B roof assemblies Class B roof assemblies are those that are effective against moderate fire-test exposure. Class B roof assemblies and roof coverings shall be listed and identified as Class B by an approved testing agency. Note: roof is above a metal deck.

CHAPTER 16 STRUCTURAL DESIGN: Comply with applicable sections of this Chapter Including; See Consulting Structural Engineers Documents.

CHAPTER 17 SPECIAL INSPECTIONS: Comply with applicable sections of this Chapter Including; SEE STATEMENT OF SPECIAL INSPECTIONS AND STRUCTURAL DOCUMENTS

CHAPTER 18 SOILS AND FOUNDATIONS: Comply with applicable sections of this Chapter Including; See Consulting Civil Engineers Documents and See Geotechnical Report and Boring Logs.

CHAPTER 19 CONCRETE: Comply with applicable sections of this Chapter Including; See Consulting Structural Engineers Documents.

CHAPTER 20 ALUMINUM: Comply with applicable sections of this Chapter Including;

CHAPTER 21 MASONRY Comply with applicable sections of this Chapter Including;

CHAPTER 22 STEEL: Comply with applicable sections of this Chapter Including; See Consulting Structural Engineers Documents.

CHAPTER 23 WOOD: (AS APPLICABLE) Comply with applicable sections of this Chapter Including; See Consulting Structural Engineers Documents.

CHAPTER 24 GLASS AND GLAZING: Comply with applicable sections of this Chapter Including;

CHAPTER 25 GYPSUM BOARD, GYPSUM PANEL PRODUCTS AND PLASTER Comply with applicable sections of this Chapter Including;

CHAPTER 26 PLASTIC: Comply with applicable sections of this Chapter Including;

CHAPTER 27 ELECTRICAL Comply with applicable sections of this Chapter Including; See Consulting MEP Engineering Documents

CHAPTER 28 MECHANICAL SYSTEMS: Comply with applicable sections of this Chapter Including; See Consulting MEP Engineering Documents

CHAPTER 29 PLUMBING SYSTEMS: Comply with applicable sections of this Chapter Including; See Consulting MEP Engineering Documents

CHAPTER 30 Comply with ap See Consulting

SECTION3001

3001.15cope. This chapter go conveying syste

NY]3001.2Eme impaired. An emergency t text and audible

1.When operatin conversation be 2.15 operational 3.Allows elevato communication

3001.3Refere Except as othe repair and maint to the applicabl hazard areas es

3001.4Access Passenger eleva egress shall con

3002.1Hoistwa Elevator, dumbu Sections 712 a

3002.1.10peni Openings in hois

Exception: The level designated during Phase I E

Exception: The level designated during Phase I Ei

3002.4Elevato Where elevator below, grade pla access to all flo an ambulance st (127 mm) radiı international sy than 3 inches ( frame.

SECTION3003

[F]3003.15tan In buildings and the operation s

[F]3003.1.20n Where only one within 60 secon

[F]3003.1.4Ver Where standby shall be connect

[F]3003.2Fire Elevators shall in-car operation

[F]3003.35tan All elevators sha

accordance with SECTION3006

3006.1Genera Elevator hoisti the following:

1.Mhere hoistwa accordance with 2.Where an area area of refuge,

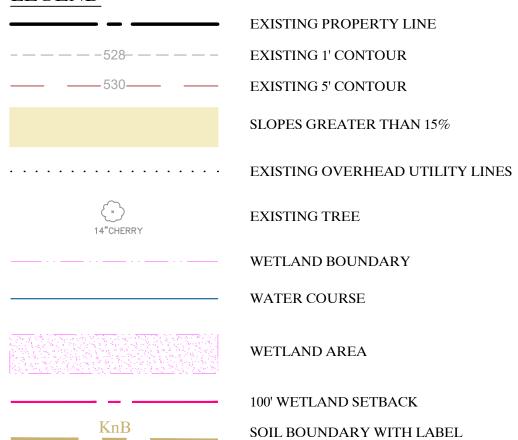
3006.2.1Rated Where corridor elevator hoistw

3006.4Means Elevator lobbie 10 and other pr permitted in acc

	Sullivan Architecture, p.c.
ELEVATORS AND CONVEYING SYSTEMS: plicable sections of this Chapter Including;	31 Mamaroneck Avenue
Structural and MEP Engineering Documents	White Plains, New York 10601 914-761-6006 (F) 914-761-4919
-GENERAL	
verns the design, construction, installation, alteration and repair of elevators and ms and their components.	
rgency elevator communication systems for the deaf, hard of hearing and speech	Owner: Bedford Village Fire District
vo-way communication system shall be provided. The system shall provide visible modes that:	34 Village Green Bedford, NY 10506
g in each mode, includes a live interactive system that allows back and forth	
tween the elevator occupants and emergency personnel. when the elevator is operational.	
er occupants to select the text-based or audible mode depending on their needs to interact with emergency personnel.	
nced standards. rwise provided for in this code, the design, construction, installation, alteration, enance of elevators and conveying systems and their components shall conform e standard specified in Table 3001.3 and ASCE 24 for construction in flood tablished in Section 1612.3.	
bility. ators required to be accessible or to serve as part of an accessible means of aply with Sections 1009 and 1109.7.	
y enclosure protection. Paiter and other hoistway enclosures shall be shaft enclosures complying with nd 713.	
ng protectives. tway enclosures shall be protected as required in Chapter 7.	
elevator car doors and the associated hoistway enclosure doors at the floor for recall in accordance with Section 3003.2 shall be permitted to remain open	
nergency Recall Operation.	01.15.21 ISSUED FOR BID
elevator car doors and the associated hoistway enclosure doors at the floor	
for recall in accordance with Section 3003.2 shall be permitted to remain open nergency Recall Operation.	
r car to accommodate ambulance stretcher.	
are provided in buildings four or more stories above, or four or more stories ne, not fewer than one elevator shall be provided for fire department emergency	
ors. The elevator car shall be of such a size and arrangement to accommodate retcher 24 inches by 84 inches (610 mm by 2134 mm) with not less than 5-inch o corners, in the horizontal, open position and shall be identified by the	
nbol for emergency medical services (star of life). The symbol shall be not less 6 mm) in height and shall be placed inside on both sides of the hoistway door	
- EMERGENCY OPERATIONS	
lby power.	
tructures where standby power is required or furnished to operate an elevator, nall be in accordance with Sections 3003.1.1 through 3003.1.4.	
e elevator.	
elevator is installed, the elevator shall automatically transfer to standby power ds after failure of normal power.	
iting. Nower is connected to elevators, the machine room ventilation or air conditioning	
ed to the standby power source.	
ighters' emergency operation. De provided with Phase I emergency recall operation and Phase II emergency In in accordance with ASME A 17.1/CSA B44.	
	Project Title
lardized fire service elevator keys. all be equipped to operate with a standardized fire service elevator key in	Bedford
the Fire Code of New York State.	Fire
ELEVATOR LOBBIES AND HOISTWAY OPENING PROTECTION	Headquarters
ay openings and enclosed elevator lobbies shall be provided in accordance with	
y opening protection is required by Section 3006.2, such protection shall be in	550 Old Post Road Bedford, NY 10506
n Section 3006.3. I of refuge is required and an enclosed elevator lobby is provided to serve as an the enclosed elevator lobby shall comply with Section 1009.6.	Bedioid, NT 10500
corridors.	Drawing Title
are required to be fire-resistance rated in accordance with Section 1020.1, ay openings shall be protected in accordance with Section 3006.3.	LIFE SAFETY
f egress.	CODE REVIEW
s shall be provided with not less than one means of egress complying with Chapter ovisions in this code. Egress through an enclosed elevator lobby shall be	
ordance with Item 1 of Section 1016.2.	Project No. 1913
	Date   01-28-20     Scale   AS NOTED
	Scale     AS NOTED       Drawing by     c.jp
	Checked by
	Drawing No.
	THE SULLAR
	A0.4



#### LEGEND

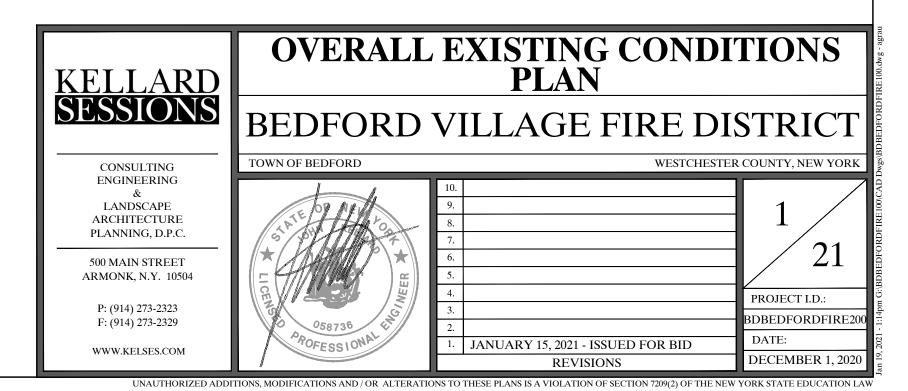


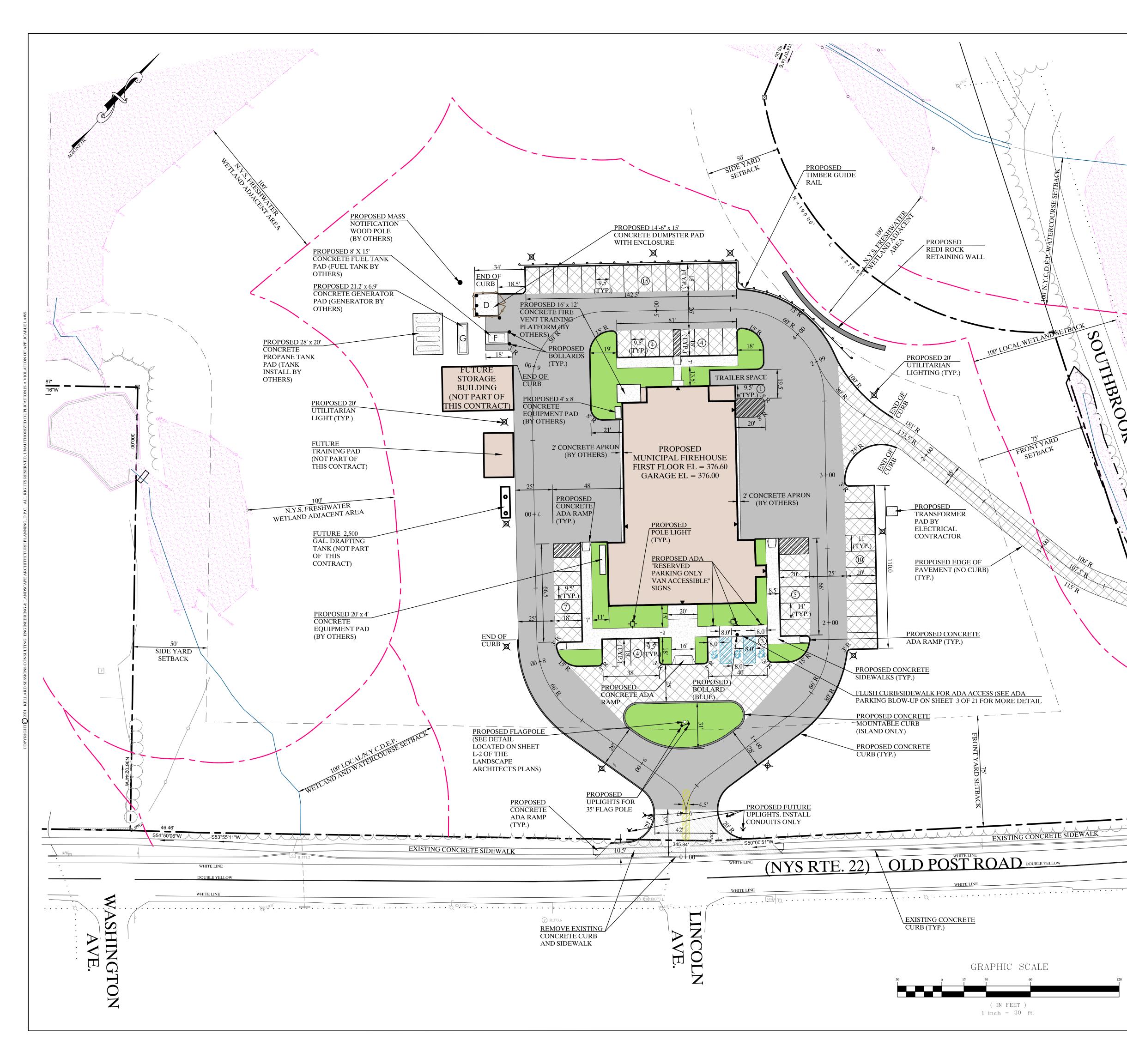
EXISTING PROPERTY LINE EXISTING 1' CONTOUR SLOPES GREATER THAN 15% EXISTING TREE WETLAND BOUNDARY WATER COURSE WETLAND AREA 100' WETLAND SETBACK

#### NOTES:

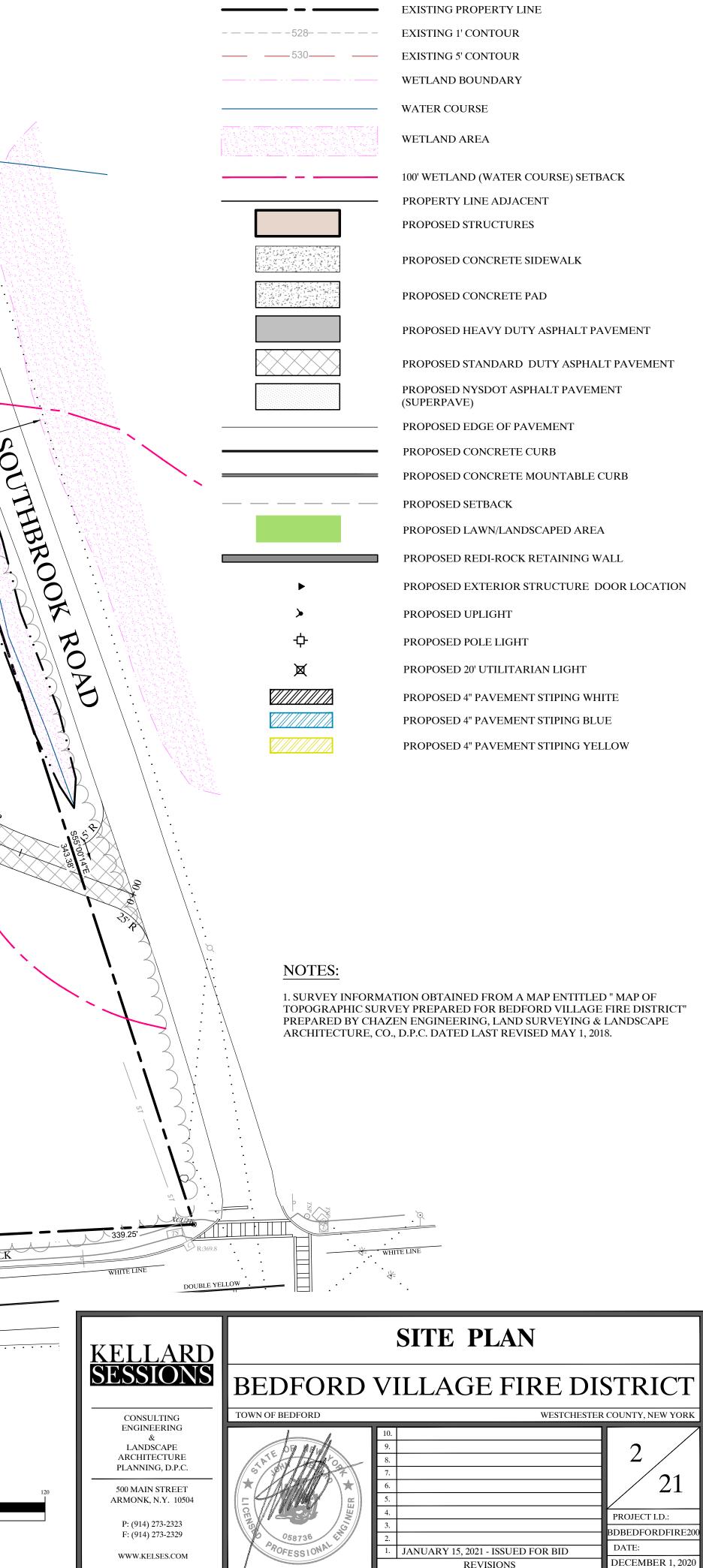
1. SURVEY INFORMATION OBTAINED FROM A MAP ENTITLED " MAP OF TOPOGRAPHIC SURVEY PREPARED FOR BEDFORD VILLAGE FIRE DISTRICT" PREPARED BY CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C. DATED LAST REVISED MAY 1, 2018.

2. ALL WELLS THAT ARE TO BE ABANDONED MUST BE COMPLETELY FILLED WITH PUDDLED CLAY, CONCRETE, OR OTHER SUITABLE IMPERVIOUS MATERIAL. A PERMIT IS REQUIRED TO ABANDON A WELL. SEE THE NEW YORK STATE DEPARTMENT OF HEALTH INDIVIDUAL WATER SUPPLY WELLS-FACT SHEET #4 DECOMMISSIONING ABANDONED WELLS FOR MORE INFORMATION.

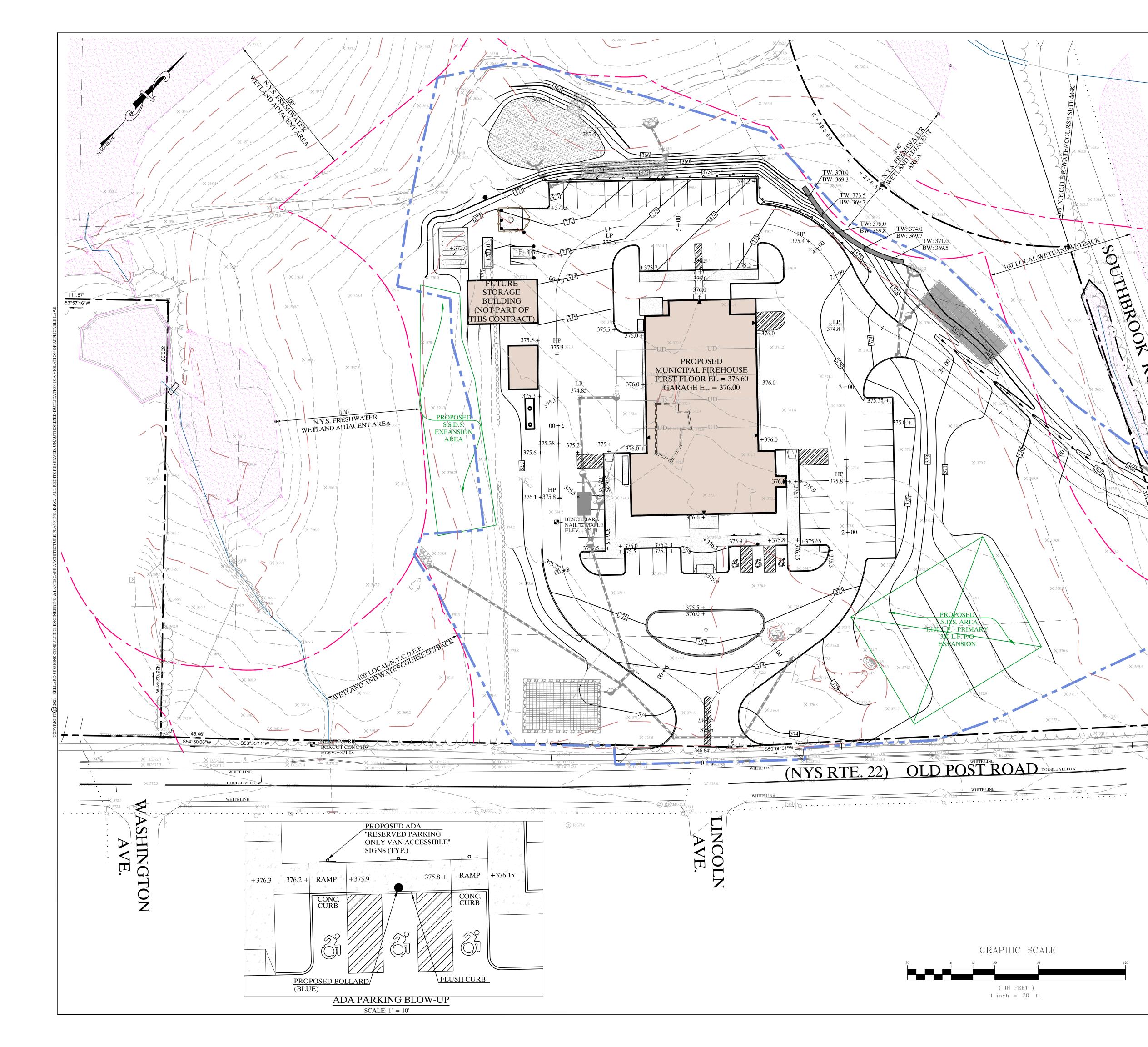


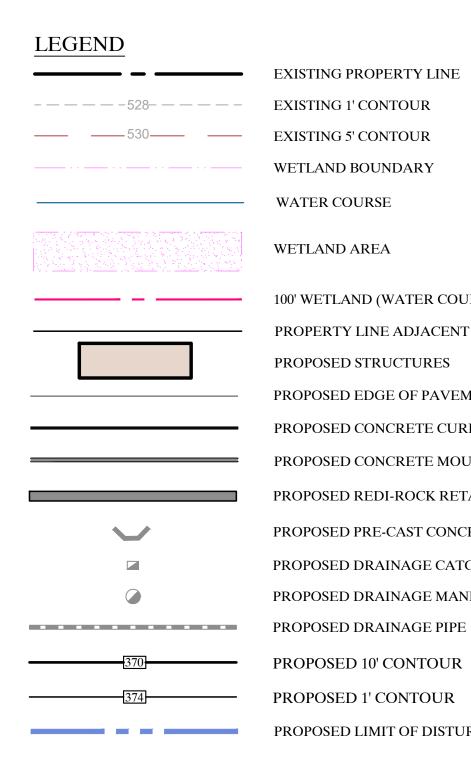


## LEGEND



UNAUTHORIZED ADDITIONS, MODIFICATIONS AND / OR ALTERATIONS TO THESE PLANS IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION





 EXISTING PROPERTY LINE WETLAND BOUNDARY WATER COURSE

## WETLAND AREA

100' WETLAND (WATER COURSE) SETBACK PROPERTY LINE ADJACENT PROPOSED STRUCTURES PROPOSED EDGE OF PAVEMENT PROPOSED CONCRETE CURB PROPOSED CONCRETE MOUNTABLE CURB PROPOSED REDI-ROCK RETAINING WALL PROPOSED PRE-CAST CONCRETE HEADWALL PROPOSED DRAINAGE CATCH BASIN PROPOSED DRAINAGE MANHOLE PROPOSED 10' CONTOUR PROPOSED 1' CONTOUR PROPOSED LIMIT OF DISTURBANCE

## CUT AND FILL CALCULATIONS

CUT:	608 CY
FILL:	10,933 CY
NET VOLUME	10,325 CY FILL

### NOTES:

V

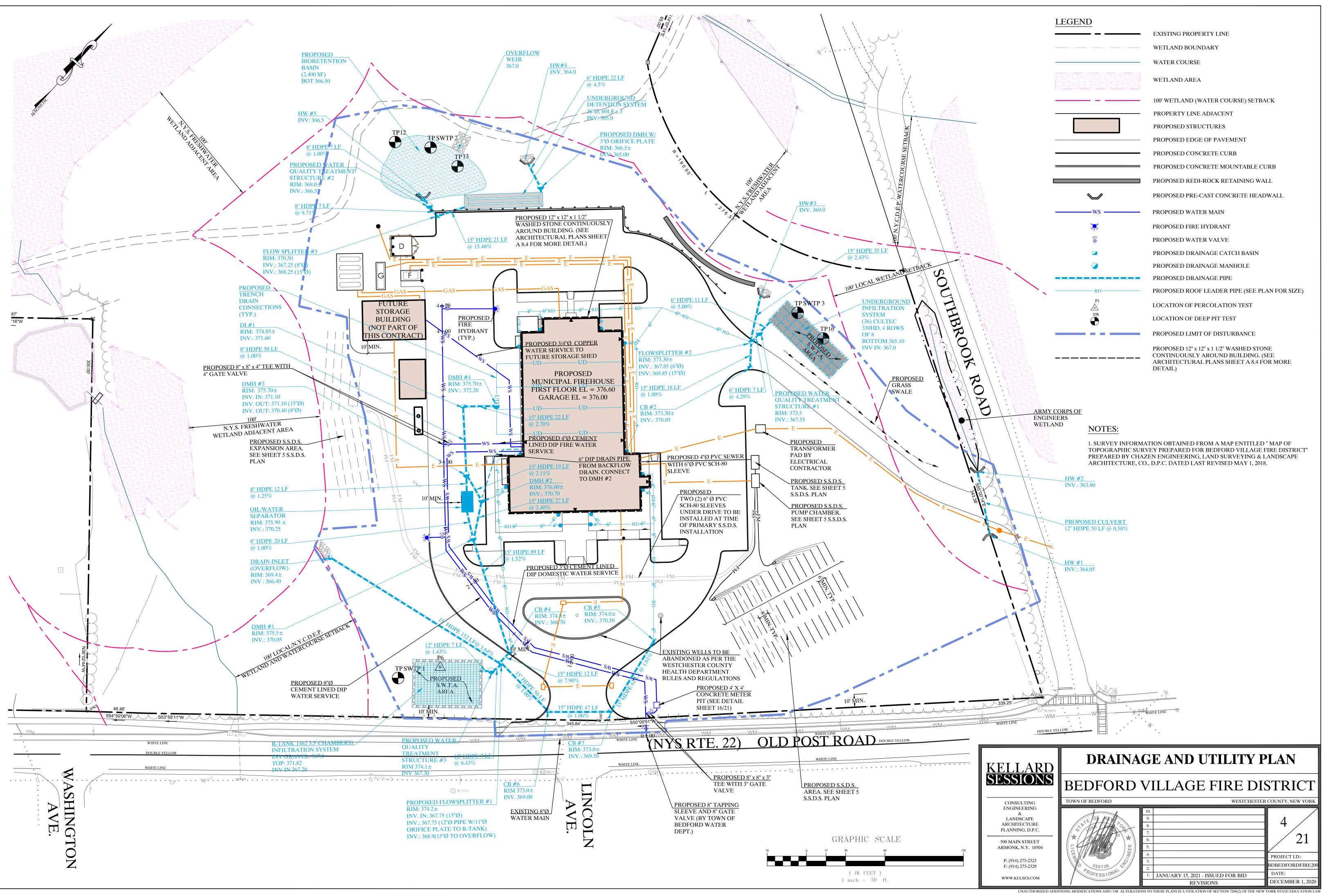
1. SURVEY INFORMATION OBTAINED FROM A MAP ENTITLED " MAP OF TOPOGRAPHIC SURVEY PREPARED FOR BEDFORD VILLAGE FIRE DISTRICT" PREPARED BY CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C. DATED LAST REVISED MAY 1, 2018.

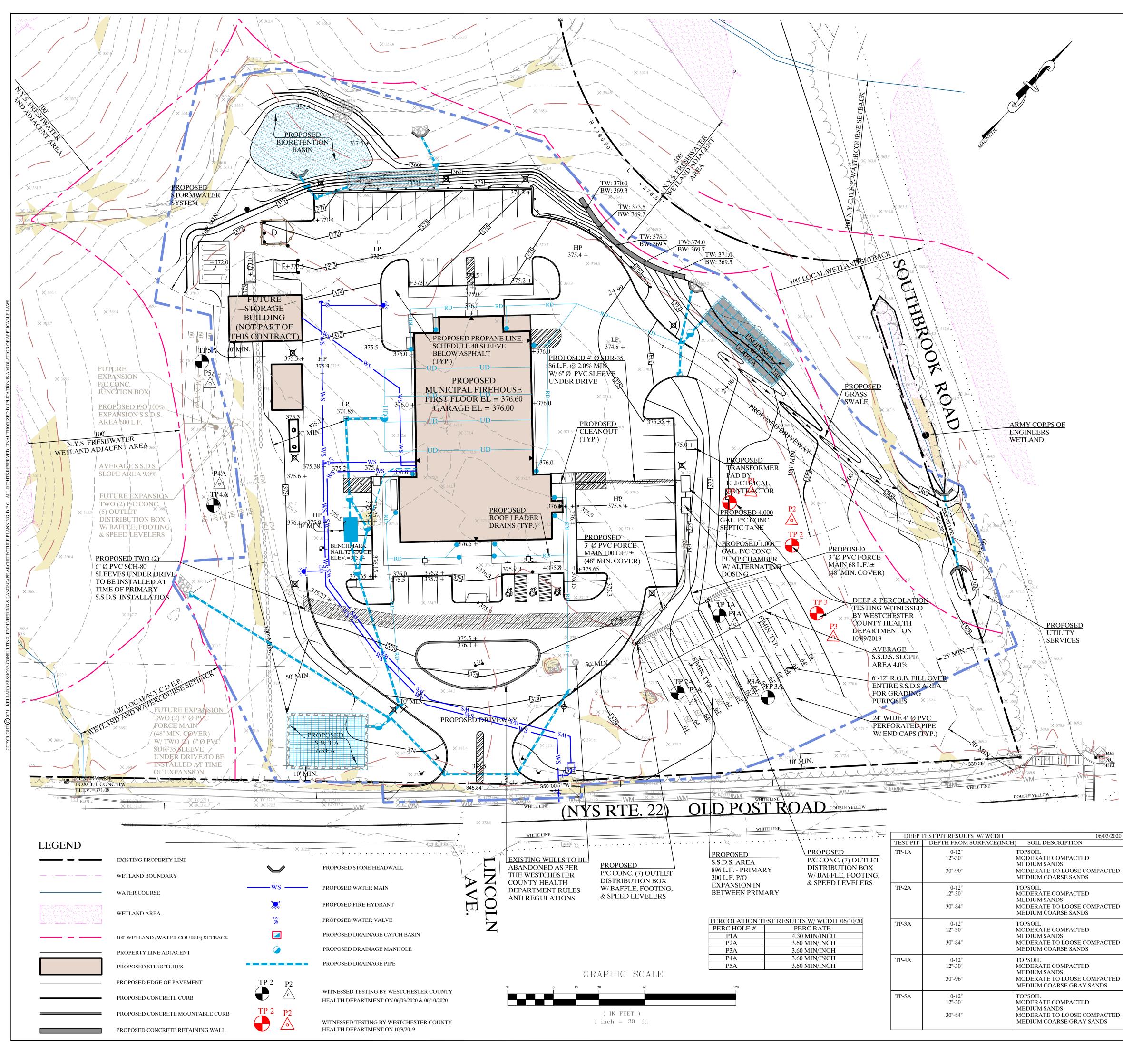
2. REFER TO REPORT ON SUBSURFACE SOIL AND FOUNDATION INVESTIGATION PREPARED BY CARLIN • SIMPSON & ASSOCIATES DATED SEPTEMBER 10 2019.

3. SEEDING CAN EXTEND BEYOND THE LIMITS OF DISTURBANCE.

KELLARD				
SESSIONS				
CONSULTING	TOWN OF BEDFORD	WESTCHESTER	COUNTY, NEW YORK	
ENGINEERING & LANDSCAPE ARCHITECTURE PLANNING, D.P.C.	STATE OF HALL	10.         9.         8.         7.	3	
500 MAIN STREET ARMONK, N.Y. 10504		6. 5.	21	
P: (914) 273-2323 F: (914) 273-2329	10EN30 058736	4. 3. 2.	PROJECT I.D.: BDBEDFORDFIRE200	
WWW.KELSES.COM	PROFESSIONAL	1.     JANUARY 15, 2021 - ISSUED FOR BID       REVISIONS	DATE: DECEMBER 1, 2020	

ENCHMARK XCUT S.E. BOLT TSP X BC.36 EEEY.=370.66





S.S.D.S. NOTES

1.) PROPERTY OWNER: BEDFORD VILLAGE FIRE DISTRICT 36 VILLAGE GREEN

BEDFORD, N.Y. 1050

550 BEDFORD ROAD,(ROUTE 22) SITE LOCATION:

TAX MAP DESIGNATION SHEET: SECTION <u>71.12</u> BLK. <u>2</u> LOT <u>1</u>

± 8.0 ACRES (350,409 S.F.) LOT 1 TOTAL AREA:

2.) CONSTRUCTION OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE IN ACCORDANCE WITH THESE PLANS, ADDITIONS AND/OR MODIFICATIONS TO THE SYSTEM SHALL BE IN ACCORDANCE WITH NYSDOH 10NYCRR APPENDIX 75-A. "WCDOH RULES AND REGULATIONS" AND NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTE WATER TREATMENT SYSTEMS, MARCH 5, 2014. ALL ADDITIONS AND/OR MODIFICATIONS SHALL BE ENDORSED BY THE ENGINEER, AND WESTCHESTER COUNTY HEALTH DEPARTMENT PRIOR TO CONSTRUCTION OF THE SYSTEM.

3.) ELEVATIONS OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM HAVE BEEN ESTABLISHED BASED ON THE SEWER INVERT EXITING THE BUILDING AND GROUND ELEVATIONS WITHIN THE ABSORPTION AREA. SHOULD THE SEWER INVERT BE CHANGED, ADJUSTMENTS OF ELEVATIONS AND LOCATION TO THE REMAINING PORTIONS OF THE SYSTEM MAY BE REQUIRED. ALL CHANGES SHALL BE ENDORSED BY THE ENGINEER PRIOR TO CONSTRUCTION.

4.) THE PROPOSED (OWTS) ONSITE WASTEWATER TREATMENT SYSTEM AREA SHALL BE ISOLATED AND PROTECTED AGAINST DAMAGE BY EROSION, STORAGE OF EARTH OR MATERIALS, DISPLACEMENT, COMPACTION OR OTHER ADVERSE PHYSICAL CHANGE IN THE CHARACTERISTICS OF THE SOIL OR IN THE DRAINAGE OF THE AREA.

5.) THE DESIGN OF THE SUBSURFACE SEWAGE DISPOSAL AREA IS BASED ON A SOIL PERCOLATION RATE OF 3-5 MIN./INCH.

PROPOSED FIRE HOUSE ANTICIPATED DA	LY USAGE BASED ON EQU	JIPMENT:
CHIEF'S CAR =	MAX. SEATING	
CHIEF'S CAR =	MAX. SEATING	
CHIEF'S CAR =	MAX. SEATING	
UTILITY VEHICLE =	MAX. SEATING	
E.M.S. RESPONSE VEHICLE =	MAX. SEATING	
HOSE TRUCK =	MAX. SEATING	
FIRE ENGINE =	MAX. SEATING	
FIRE ENGINE $=$	MAX. SEATING	
RESCUE TRUCK =	5 MAX. SEATING	
AMBULANCE =	4 MAX. SEATING	
AMBULANCE =	4 MAX. SEATING	
TOTAL OF MEMBERS =	48 MAX. SEATING	

DESIGN FLOW: 48 MEMBERS @ 15 GALLONS PER DAY = 720 GALS./DAY 720 GALS./DAY x 0.80 (20% REDUCTION) FOR LOW FLOW FLUMBING FIXTURES = 576 GALS./DAY 14 BEDROOM @ 110 GALLON PER DAY = 1,540 GALS./DAY

SEPTIC TANK SIZE = 2,116 GPD X 1.5) = 3,175 GALLONS (USE ONE 4,000 GALLON SEPTIC TANK)

REQUIRED LENGTH OF FIELD SYSTEM: ABSORPTION TRENCH LENGTH (MIN.) 2,116 GAL/DAY / 1.2 GAL/S.F./DAY x 2 S.F./L.F. = 882 L.F. 6.) THE SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL CONSIST OF THE FOLLOWING IMPROVEMENTS:

TOTAL DESIGN FLOW = 2,116 GALS./DAY

L.F. TOTAL OF ABSORPTION TRENCH FOR S.S.D.S. AREA

090	L.F. TOTAL OF ADSORTHON TRENCH FOR 5.5.D.S. AREA
4,000	GAL. PRECAST CONCRETE SEPTIC TANK
1	EA. 1,000 GAL. MIN. P/C CONC. PUMP TANK W/ AUDIO/VISUAL ALARM (BUILDING WILL HAVE GENERATOR WHICH WILL POWER SEWER PUMPS AND ALARM PANEL)
1	EA. JUNCTION BOX W/ BAFFLE (FUTURE EXPANSION)
<u>6"-12"</u>	R.O.B. FILL OVER ENTIRE S.S.D.S. AREA
4.0%	AVERAGE SLOPE OVER PRIMARY S.S.D.S. & P/O EXPANSION AREA
9.0%	AVERAGE SLOPE OVER P/O EXPANSION AREA
2	EA. P/C CONC. DISTRIBUTION BOX W/ BAFFLE, FOOTING, & SPEED LEVELERS (PRIMARY & EXPANSION S.S.D.S. AREA)
260	GAL. DOSE PER PUMP/CYCLE (PRIMARY)

7.) SHOULD FILL BE REQUIRED WITHIN THE SUBSURFACE SEWAGE DISPOSAL AND EXPANSION AREAS, ALL FILL PLACED SHALL BE "BANK RUN" FILL CONFORMING TO WESTCHESTER COUNTY HEALTH DEPARTMENT "WCDOH RULES AND REGULATIONS". BANK RUN FILL SHALL BE PLACED TO THE DEPTHS SPECIFIED ON THE DRAWINGS. PRIOR TO PLACING FILL THE ENGINEER SHALL INSPECT AND APPROVE THE MATERIAL. 8.) THE CONTRACTOR SHALL CONSTRUCT DRAINS AND SWALES AS SPECIFIED ON THE PLAN, IN ORDER TO DIVERT GROUND AND SURFACE

WATER AROUND ABSORPTION AREA. ALL ROOF, FOUNDATION AND SURFACE WATER SHALL BE DISCHARGED TO PROPOSED DRAINS AND NOT BE DISCHARGED TOWARDS PRIMARY S.S.D.S. AND EXPANSION S.S.D.S AREA.

9.) THE CONTRACTOR SHALL REMOVE AND STOCKPILE TOPSOIL FROM ABSORPTION AREA. UPON COMPLETION OF CONSTRUCTION OF THE SYSTEM TOPSOIL SHALL BE REPLACED WITHIN THE AREA TO A MINIMUM DEPTH OF FOUR (4) INCHES. 10.) THERE SHALL BE NO TREES WITHIN TEN (10) FEET OF THE ABSORPTION AREA.

11.) THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF CONSTRUCTION. IN ADDITION THE CONTRACTOR SHALL EMPLOY EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WESTCHESTER COUNTY'S BEST MANAGEMENT PRACTICES MANUAL FOR CONSTRUCTION RELATED ACTIVITIES IN AN EFFORT TO REDUCE EROSION AND PREVENT SEDIMENTATION OF DOWNSTREAM WATER COURSES.

12.) THE DESIGN PROFESSIONAL SHALL SUPERVISE THE CONSTRUCTION OF THE OWTS AND MAKE AN OPEN WORKS INSPECTION.

13.) THE DESIGN ENGINEER SHALL NOTIFY WESTCHESTER COUNTY HEALTH DEPARTMENT FOR INSPECTION OF THE SYSTEM WITHIN 24 HOURS OF COMPLETION OF CONSTRUCTION.

14.) THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY WITHIN COMPLETION OF CONSTRUCTION.

15.) THE CONTRACTOR SHALL NOT BACKFILL THE SYSTEM UNTIL IT HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER AND WÉSTCHESTER COUNTY HEALTH DEPARTMENT AND NYCDEP HAS BEEN PROVIDED THE OPPORTUNITY TO INSPECT.

16.) SOILS IN THE VICINITY OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM ARE KnB (KNICKERBOCKER) PER UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.

17.) NO NYSDEC WETLANDS OR SURFACE WATER COURSES ARE WITHIN 200' OF THE PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM UNLESS INDICATED ON THE PLAN. AN ON-SITE WATER COURSE AND LOCAL WETLANDS DOES EXIST 100+ FEET FROM THE PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM, AS DEPICTED ON THIS PLAN.

18.) NO RESERVOIRS, RESERVOIR STEMS OR CONTROLLED LAKE WITHIN 500' OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM UNLESS OTHERWISE INDICATED ON THE PLAN.

19.) THERE ARE NO WELLS WITHIN 200' OF OWTS UNLESS OTHERWISE SHOWN ON PLAN.

20.) ANTICIPATED CONSTRUCTION START: APRIL 01, 2021 ANTICIPATED CONSTRUCTION COMPLETION: OCTOBER 31, 2022

21.) APPROXIMATE AREA OF DISTURBANCE = 161,100 S.F. +/-

22.) PROPERTY IS WITHIN THE CROTON RIVER BASIN.

23.) PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE INSTALLED BY A WESTCHESTER COUNTY LICENSED SEPTIC CONTRACTOR.

24.) PRIOR TO EXCAVATING, ALL UNDERGROUND UTILITIES MUST BE LOCATED, CALL 1-800-962-7962

25.) THE INSTALLATION OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE IN ACCORDANCE WITH THE RULES & REGULATIONS OF THE WÉSTCHESTER COUNTY DEPARTMENT OF HEALTH AND THE NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS DATED MARCH 5, 2014.

26.) ALL PIPES CONNECTING TO TANK AND BOXES SHALL BE CUT FLUSH WITH THE INSIDE WALL OF BOX.

27.) IF FOR ANY REASON THE APPROVED CONSTRUCTION PLAN CAN NOT BE FOLLOWED, A REVISED PLAN MUST BE PREPARED, SUBMITTED, AND APPROVED BY WCDH.

28.) THE WESTCHESTER COUNTY HEALTH DEPARTMENT APPROVAL EXPIRES ONE YEAR FROM THE DATE ON THE APPROVAL STAMP AND IS RÉQUIRED TO BE RENEWED ON OR BEFORE THE EXPIRATION DATE. THE APPROVAL IS REVOCABLE FOR CAUSE OR MAY BE AMENDED OR MODIFIED WHEN CONSIDERED NECESSARY BY THE DEPARTMENT.

29.) NYCDEP MUST BE CONTACTED AT LEAST TWO DAYS PRIOR TO START OF CONSTRUCTION. NYCDEP SHALL HAVE THE OPPORTUNITY TO INSPECT AND MONITOR THE SYSTEM INSTALLATION.

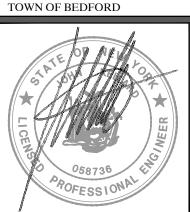


CONSULTING ENGINEERING LANDSCAPE ARCHITECTURE PLANNING, D.P.C.

500 MAIN STREET ARMONK, N.Y. 10504

P: (914) 273-2323

F: (914) 273-2329 WWW.KELSES.COM



BEDFORD VILLAGE FIRE DISTRICT

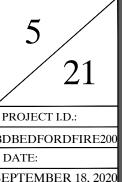
JANUARY 15, 2021 - ISSUED FOR BID

UNAUTHORIZED ADDITIONS, MODIFICATIONS AND / OR ALTERATIONS TO THESE PLANS IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION 1/

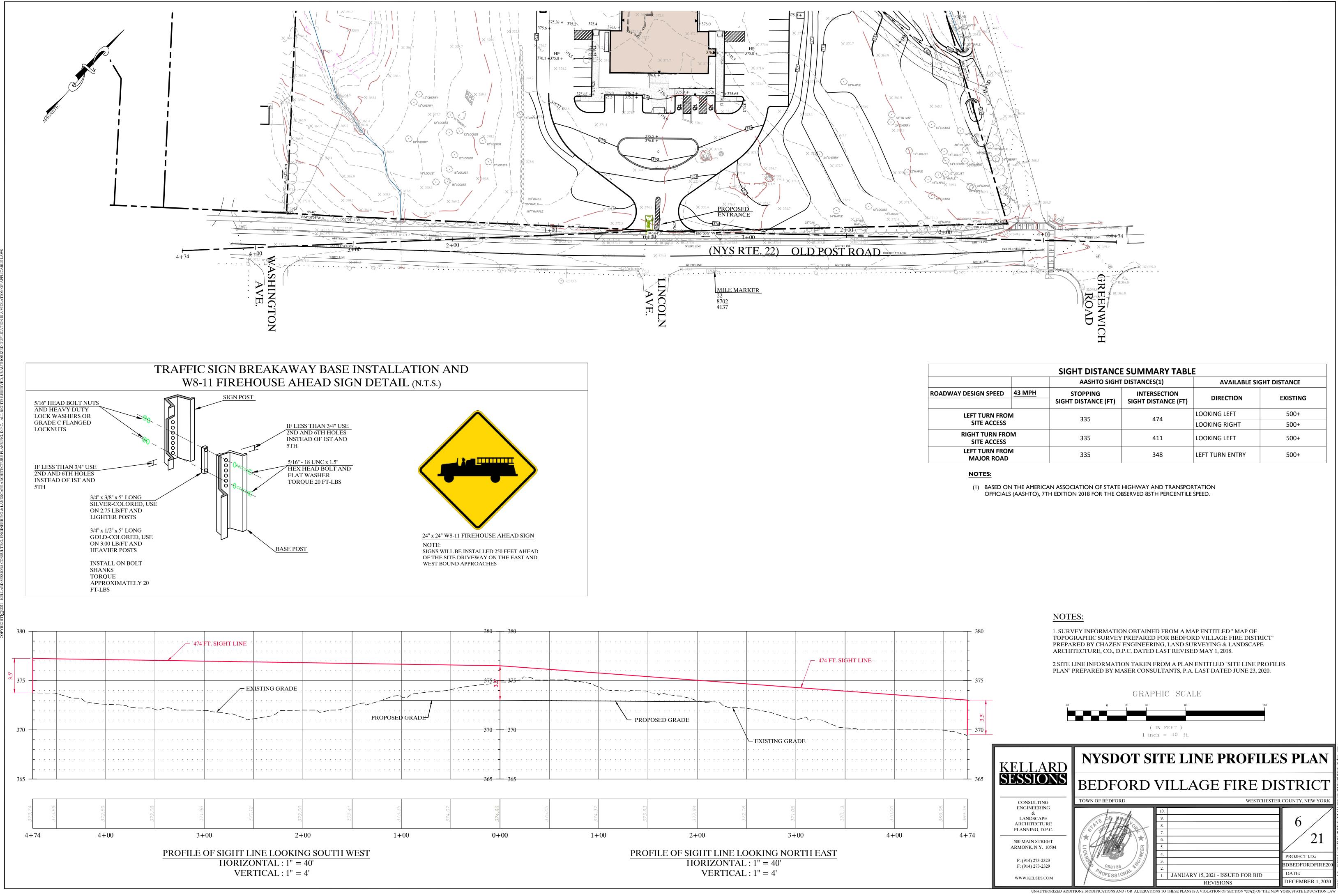
REVISIONS

S.S.D.S. PLAN

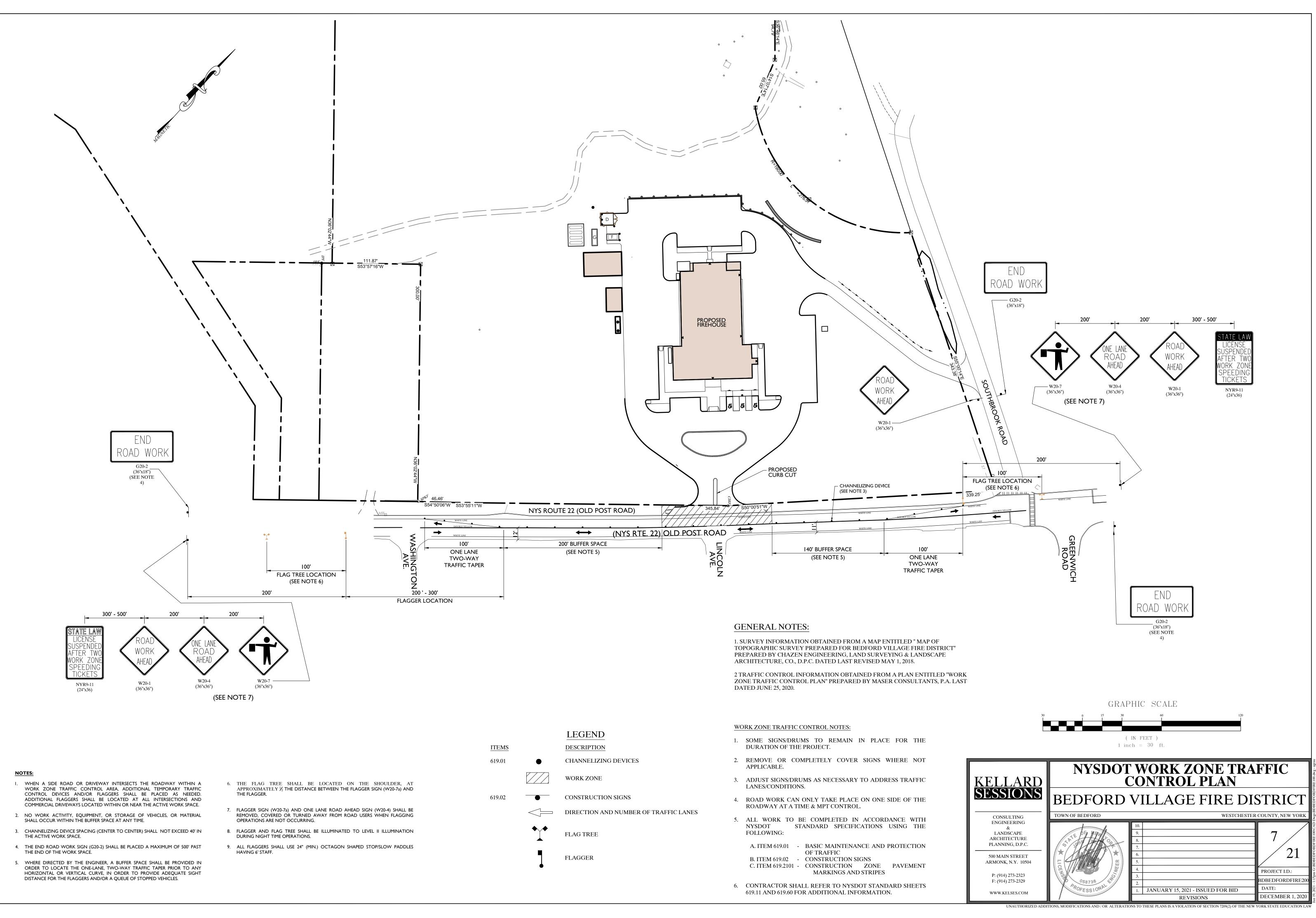
WESTCHESTER COUNTY, NEW YORK

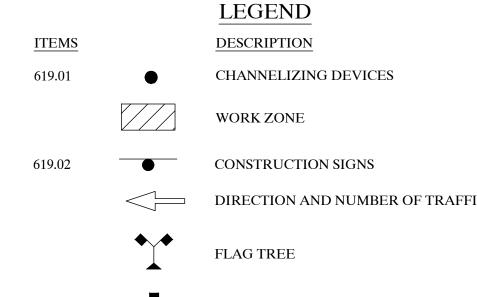


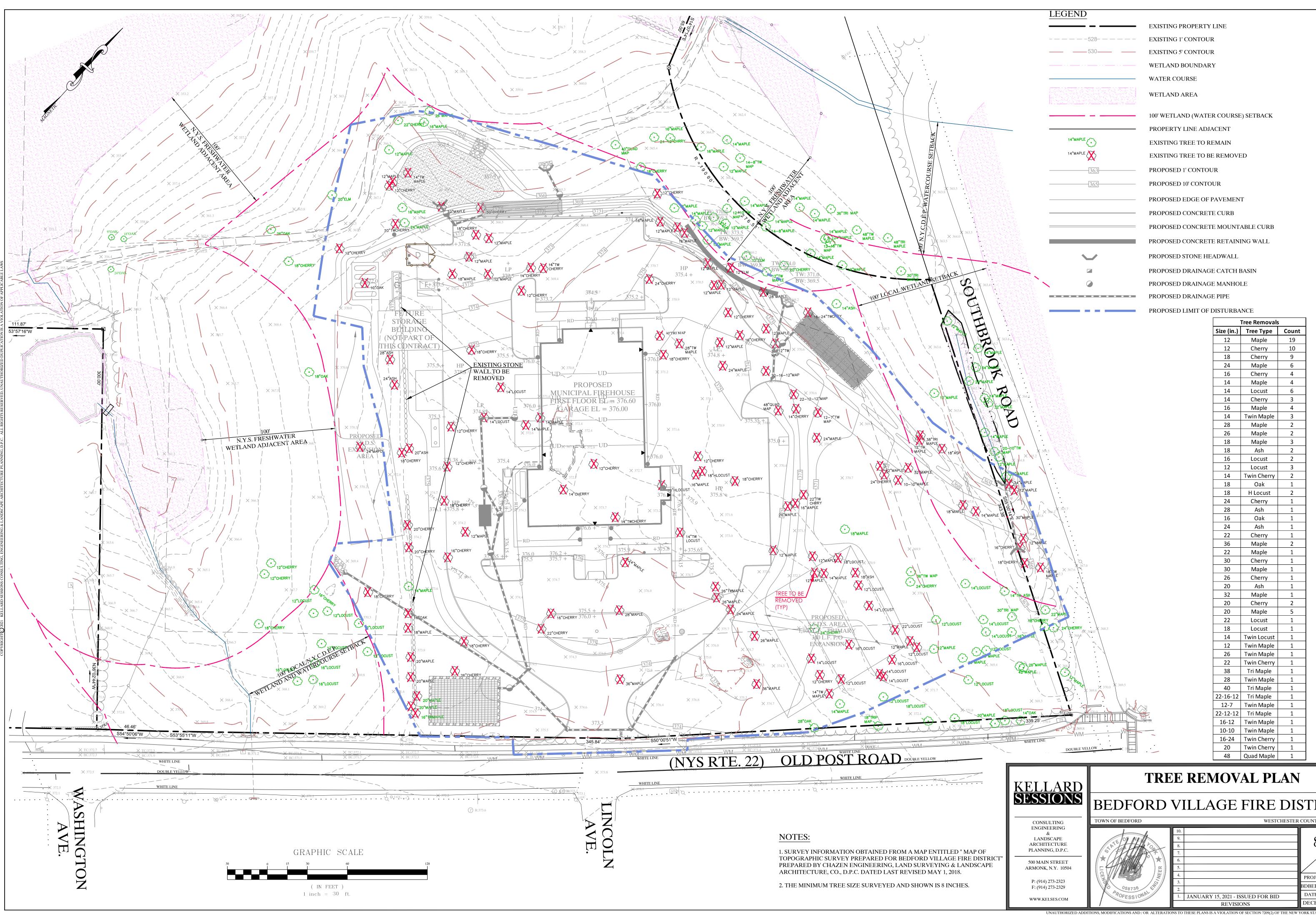
06/03/2020



		AASHTO SIGHT DISTANCES(1)STOPPINGINTERSECTIONSIGHT DISTANCE (FT)SIGHT DISTANCE (FT)		AVAILABLE SIGHT DISTANCE	
ROADWAY DESIGN SPEED	<u>43 MPH</u>			DIRECTION	EXISTING
LEFT TURN FROI SITE ACCESS	M	335	474	LOOKING LEFT LOOKING RIGHT	500+ 500+
RIGHT TURN FRO SITE ACCESS	M	335	411	LOOKING LEFT	500+
LEFT TURN FROI MAJOR ROAD		335	348	LEFT TURN ENTRY	500+







EXISTING PROPERTY LINE
EXISTING 1' CONTOUR
EXISTING 5' CONTOUR
WETLAND BOUNDARY
WATER COURSE
WETLAND AREA

100' WETLAND (WATER COURSE) SETBACK PROPERTY LINE ADJACENT

EXISTING TREE TO REMAIN EXISTING TREE TO BE REMOVED

PROPOSED 1' CONTOUR

PROPOSED 10' CONTOUR

PROPOSED EDGE OF PAVEMENT

PROPOSED CONCRETE CURB

PROPOSED CONCRETE MOUNTABLE CURB

PROPOSED CONCRETE RETAINING WALL

PROPOSED STONE HEADWALL

PROPOSED DRAINAGE CATCH BASIN

PROPOSED DRAINAGE MANHOLE

PROPOSED LIMIT OF DISTURBANCE

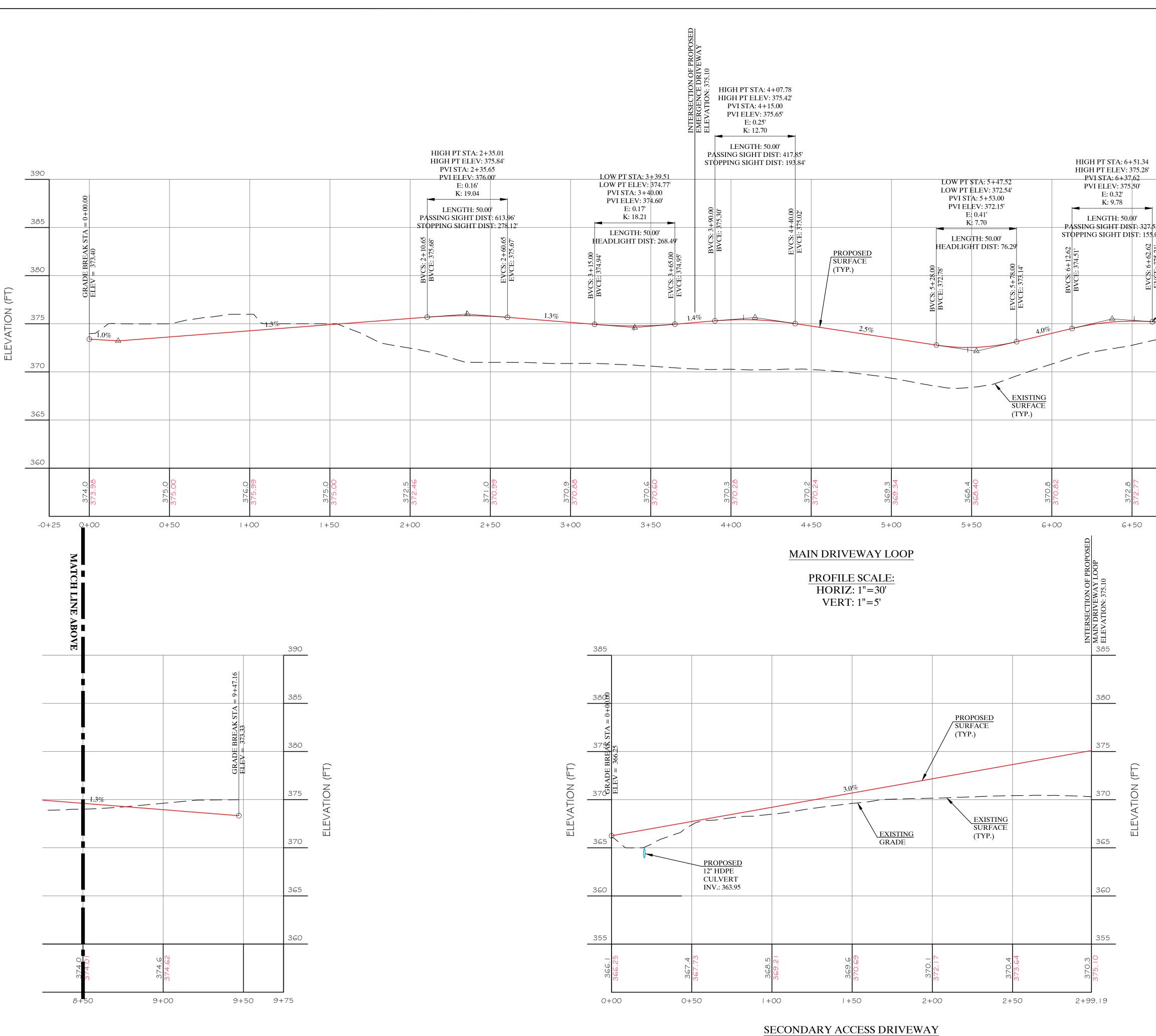
	Tree Removals	5
Size (in.)	Tree Type	Count
12	Maple	19
12	Cherry	10
18	Cherry	9
24	Maple	6
16	Cherry	4
14	Maple	4
14	Locust	6
14	Cherry	3
16	Maple	4
14	Twin Maple	3
28	Maple	2
26	Maple	2
18	Maple	3
18	Ash	
18		2
	Locust	2 3
12	Locust	
14	Twin Cherry	2
18	Oak	1
18	H Locust	2
24	Cherry	1
28	Ash	1
16	Oak	1
24	Ash	1
22	Cherry	1
36	Maple	2
22	Maple	1
30	Cherry	1
30	Maple	1
26	Cherry	1
20	Ash	1
32	Maple	1
20	Cherry	2
20	Maple	5
22	Locust	1
18	Locust	1
14	Twin Locust	1
12	Twin Maple	1
26	Twin Maple	1
22	Twin Cherry	1
38	Tri Maple	1
28	Twin Maple	1
40	Tri Maple	1
22-16-12	Tri Maple	1
12-7	Twin Maple	1
22-12-12	Tri Maple	1
16-12	Twin Maple	1
10-10	Twin Maple	1
16-24	Twin Cherry	1
20	Twin Cherry	1
48	Quad Maple	1
		_

**TREE REMOVAL PLAN** KELLARD SESSIONS BEDFORD VILLAGE FIRE DISTRICT WESTCHESTER COUNTY, NEW YOR ð PROJECT I.D.:

BDBEDFORDFIRE2

DECEMBER 1, 202

DATE:



PROFILE SCALE:

HORIZ: 1"=30' VERT: 1"=5'

0.32 0.78 H: 50.00'	PASSING SIG	TH: 50.00' GHT DIST: 508.81' GHT DIST: 232.93'		
ET DIST: 327.52' HT DIST: 155.01' EACS: 9+62.65 EACE: 32251- EACE: 325.51 EACE: 325.51	BVCS: 7+20.00 BVCE: 375.53'	EVCS: 7+70.00 EVCE: 375.67		
	1.9% LOW PT STA: LOW PT ELEV PVI STA: 6+87 PVI ELEV: 374 E: 0.19' K: 16.51 LENGTH: 50.0 HEADLIGHT BVCS: 6+62.62 BVCE: 375.21' EVCS: 7+12.62	V: 375.10' 7.62 4.92' 00' DIST: 214.99' 2 2		
372.8 372.77 9+20	EVCE: 375.39'	2+20 2+20 2+20 2+20 2+20 2+20 2+00	0.0. 74 72 8+50	
-				
-				
ELEVATION (FT)				
- -	30		C SCALE <sup>60</sup> FEET ) = 30 ft.	
	KELLARD SESSIONS	DRIV BEDFORD VI	EWAY PROFI	E DISTRICT
-	CONSULTING ENGINEERING & LANDSCAPE ARCHITECTURE PLANNING, D.P.C. 500 MAIN STREET ARMONK, N.Y. 10504 P: (914) 273-2323 F: (914) 273-2329 WWW.KELSES.COM	Image: Non-State         Image: Non-State<	WI JANUARY 15, 2021 - ISSUED FOR	ESTCHESTER COUNTY, NEW YORK
<b>L</b>		ITIONS, MODIFICATIONS AND / OR ALTERATIONS TO 7	REVISIONS	

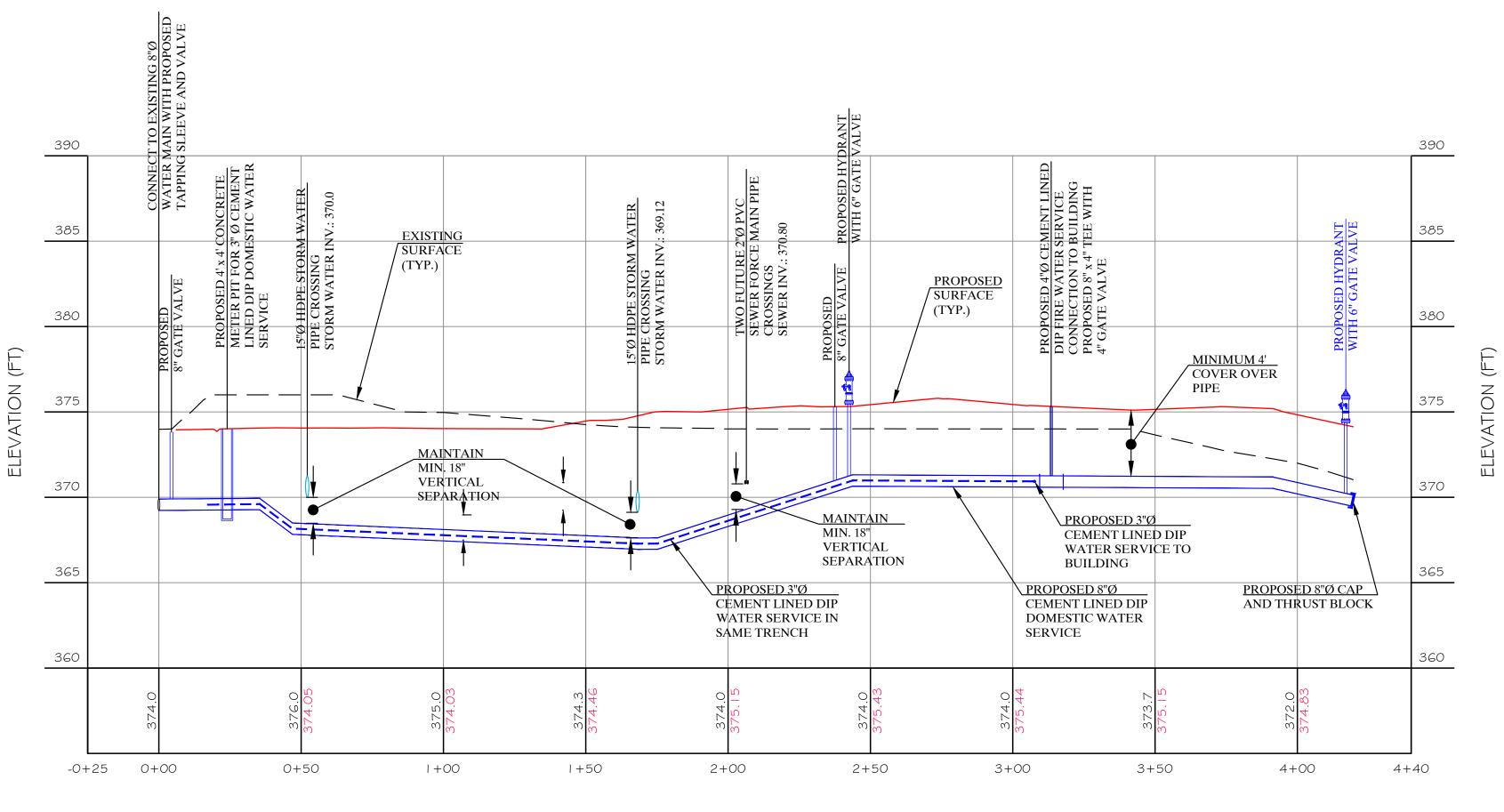
HIGH PT STA: 7+49.34

HIGH PT ELEV: 375.81'

PVI STA: 7+45.00 PVI ELEV: 376.00'

E: 0.20' K: 15.64

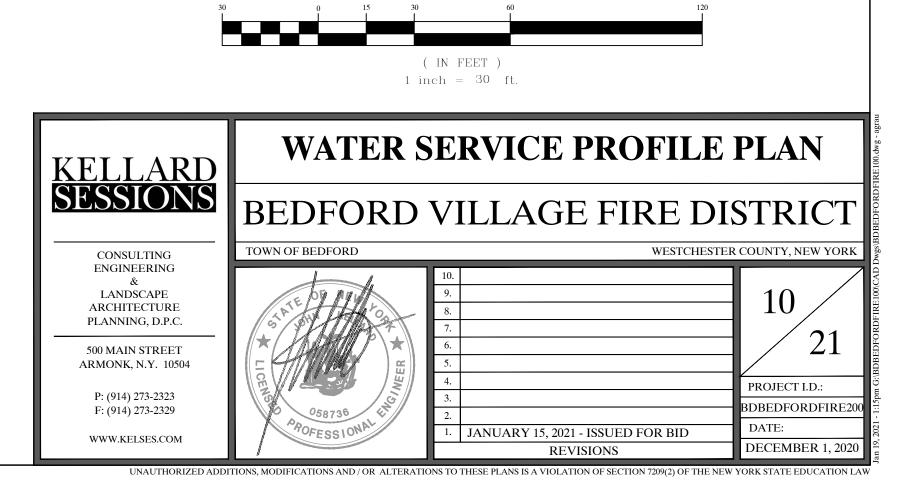
MATC



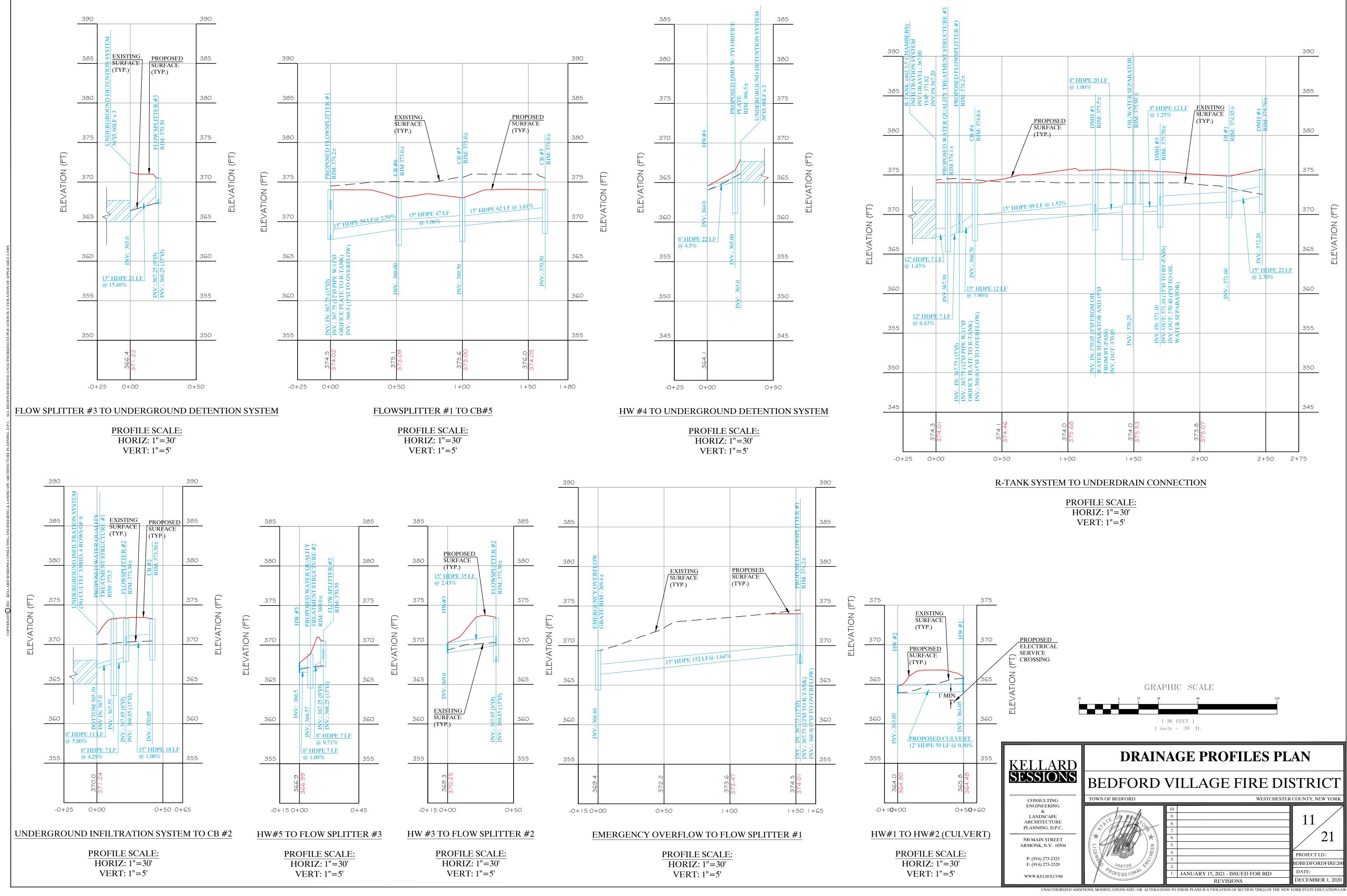


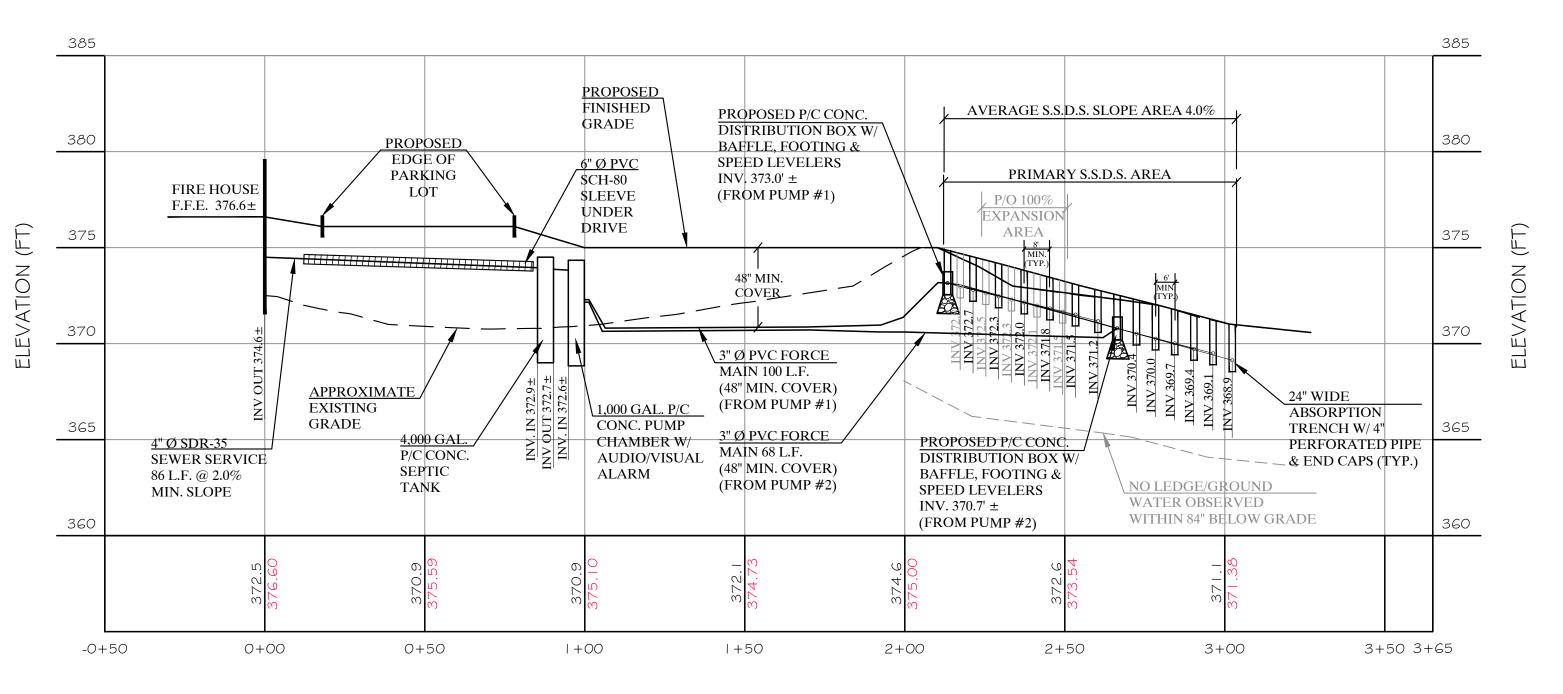
WATER SERVICE PROFILE

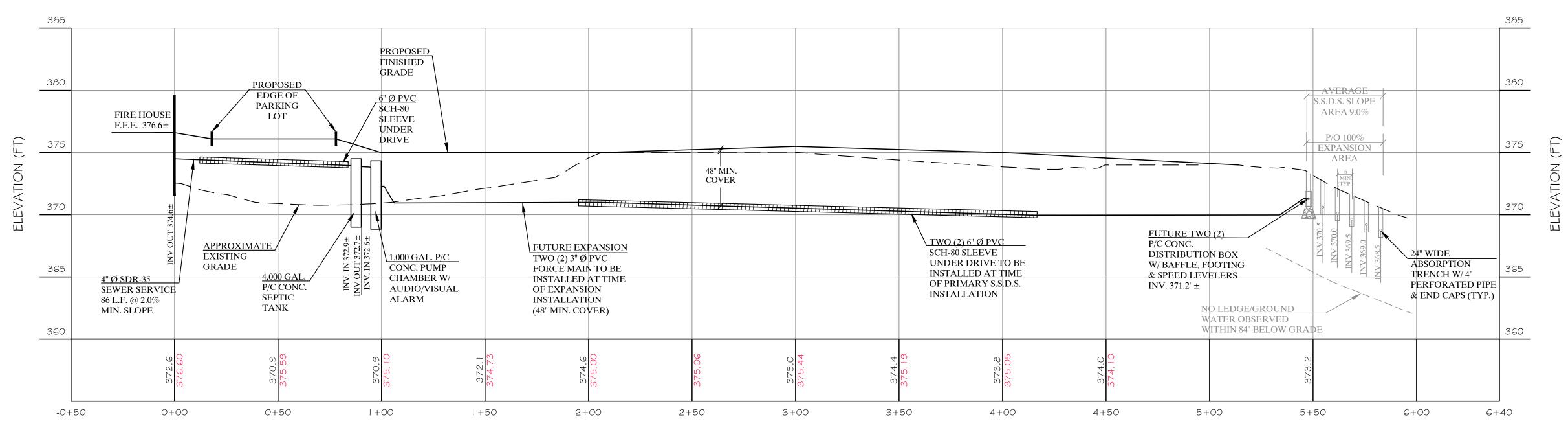
PROFILE SCALE: HORIZ: 1"=30' VERT: 1"=5'



GRAPHIC SCALE





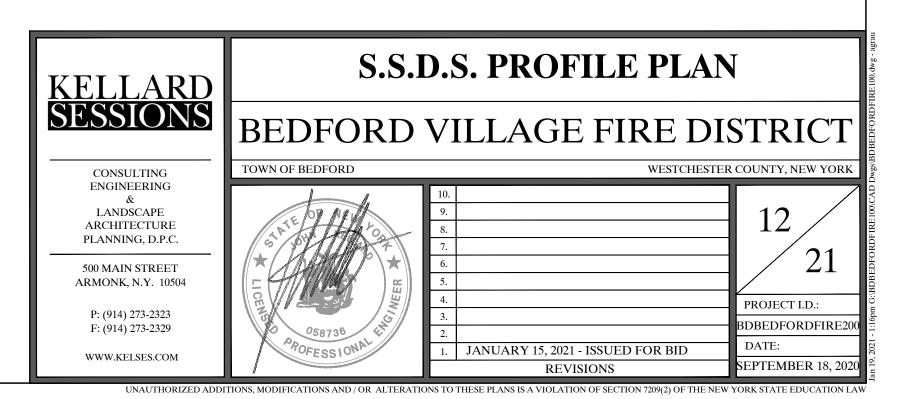


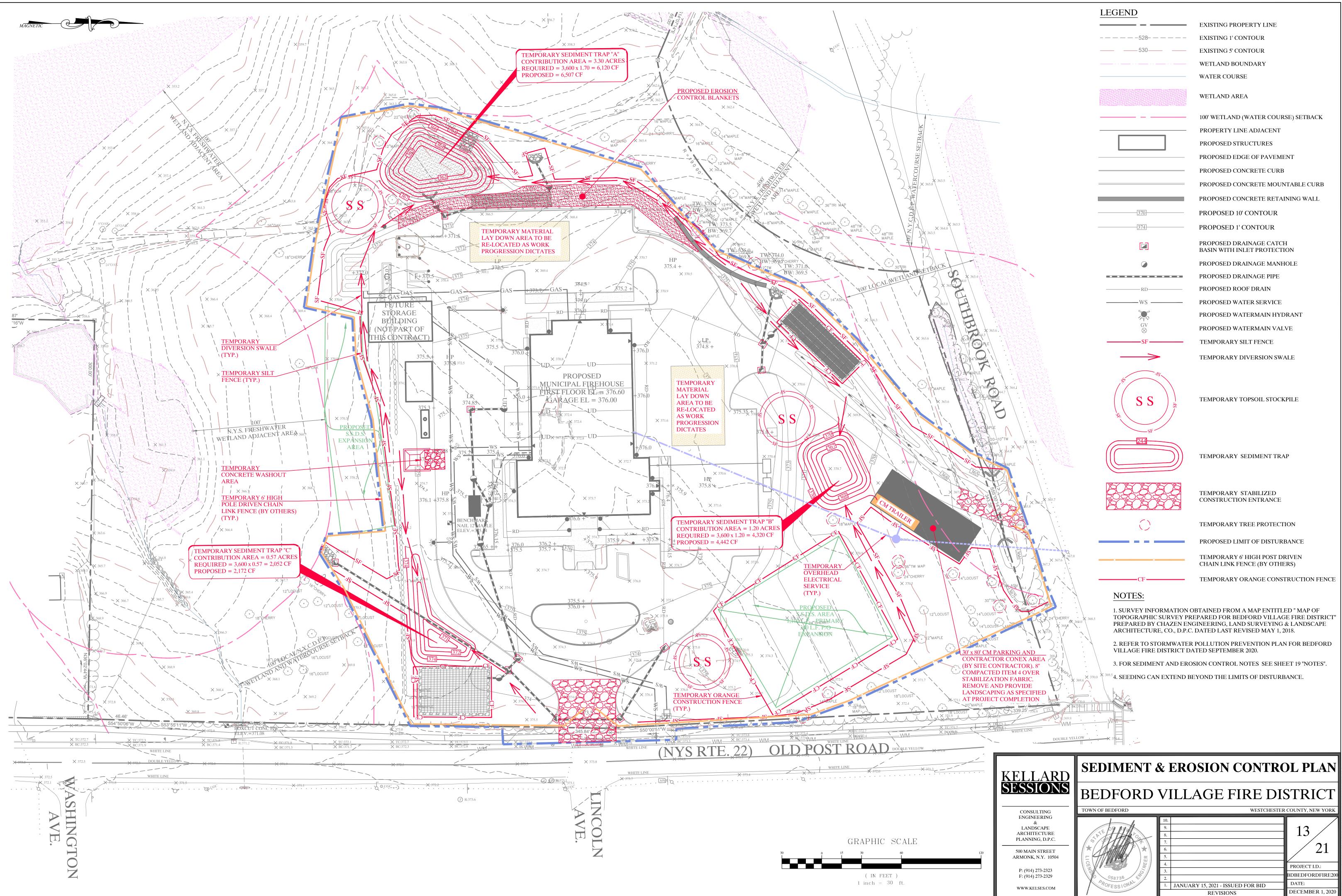
PROPOSED PRIMARY S.S.D.S. PROFILE

PROFILE SCALE: HORIZ: 1"=30' VERT: 1"=5'

PROPOSED EXPANSION S.S.D.S. PROFILE

PROFILE SCALE: HORIZ: 1"=30' VERT: 1"=5'





LEGEND	
	EXISTING PROPERTY LINE
— — — — -528- — — — — — —	EXISTING 1' CONTOUR
530	EXISTING 5' CONTOUR
	WETLAND BOUNDARY
	WATER COURSE
	WETLAND AREA
	100' WETLAND (WATER COURSE) SETBACK
	PROPERTY LINE ADJACENT
	PROPOSED STRUCTURES
	PROPOSED EDGE OF PAVEMENT
	PROPOSED CONCRETE CURB
	PROPOSED CONCRETE MOUNTABLE CURB
	PROPOSED CONCRETE RETAINING WALL
370	PROPOSED 10' CONTOUR
[374]	PROPOSED 1' CONTOUR
	PROPOSED DRAINAGE CATCH BASIN WITH INLET PROTECTION
	PROPOSED DRAINAGE MANHOLE
	PROPOSED DRAINAGE PIPE
RD	PROPOSED ROOF DRAIN
WS	PROPOSED WATER SERVICE
	PROPOSED WATERMAIN HYDRANT
GV ⊗	PROPOSED WATERMAIN VALVE
SF	TEMPORARY SILT FENCE
$\longrightarrow$	TEMPORARY DIVERSION SWALE
SS S	TEMPORARY TOPSOIL STOCKPILE
	TEMPORARY SEDIMENT TRAP
	TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
$\bigcirc$	TEMPORARY TREE PROTECTION
	PROPOSED LIMIT OF DISTURBANCE
• • • •	TEMPORARY 6' HIGH POST DRIVEN CHAIN LINK FENCE (BY OTHERS)

TEMPORARY ORANGE CONSTRUCTION FENCE

## NOTES:

1. SURVEY INFORMATION OBTAINED FROM A MAP ENTITLED " MAP OF TOPOGRAPHIC SURVEY PREPARED FOR BEDFORD VILLAGE FIRE DISTRICT PREPARED BY CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE, CO., D.P.C. DATED LAST REVISED MAY 1, 2018.

2. REFER TO STORMWATER POLLUTION PREVENTION PLAN FOR BEDFORD VILLAGE FIRE DISTRICT DATED SEPTEMBER 2020.

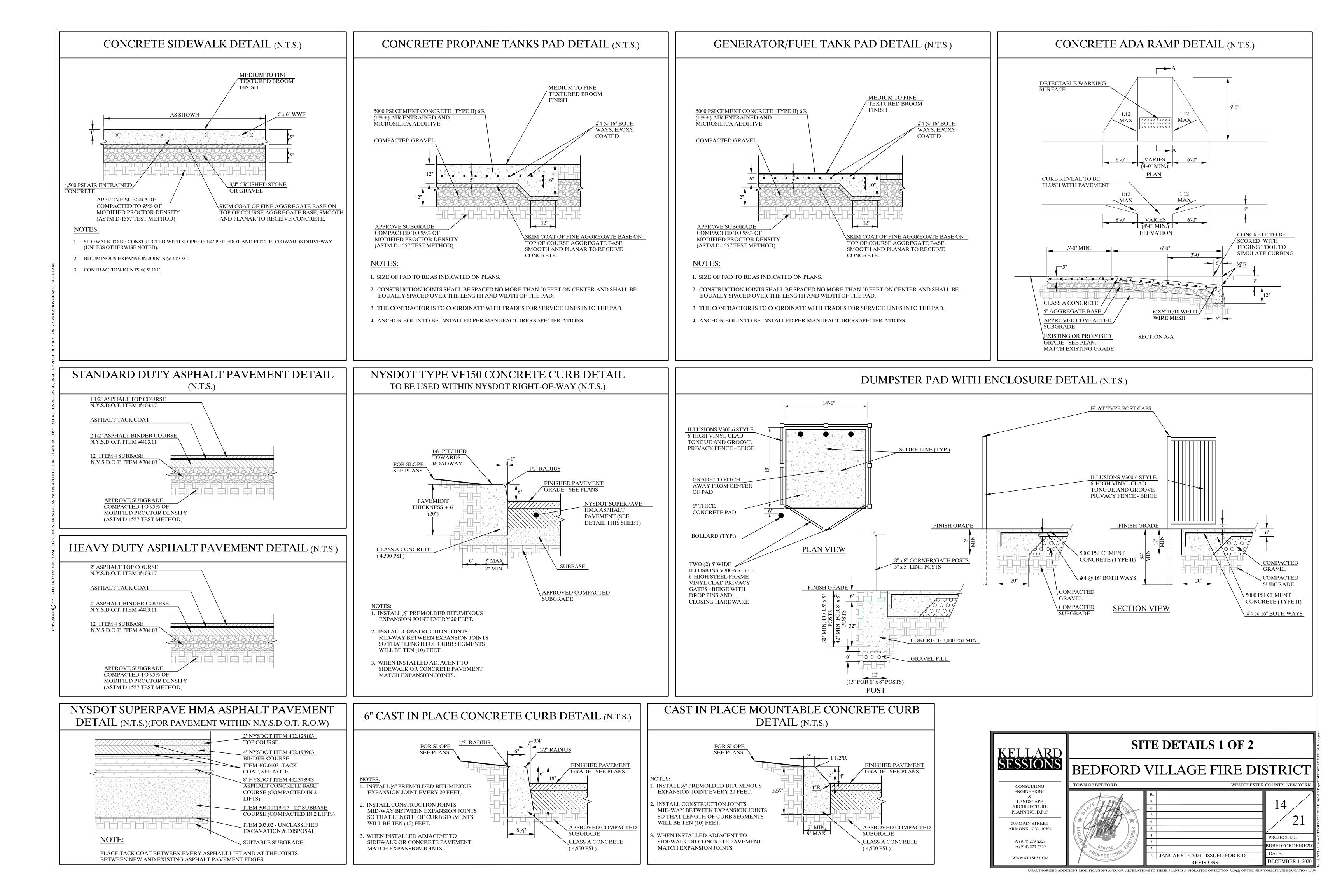
3. FOR SEDIMENT AND EROSION CONTROL NOTES SEE SHEET 19 "NOTES". <sup>995</sup>4. SEEDING CAN EXTEND BEYOND THE LIMITS OF DISTURBANCE.

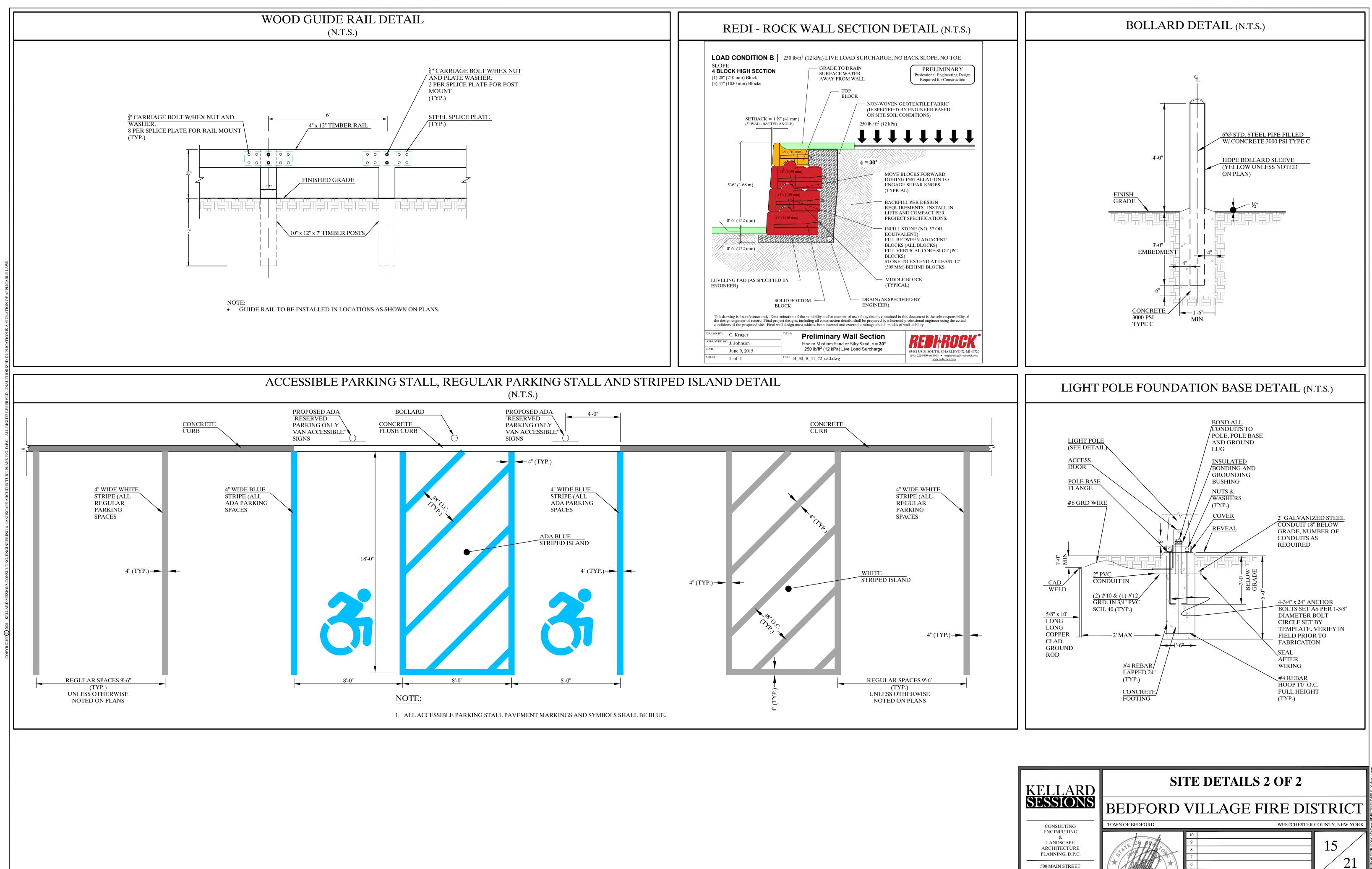
# TOWN OF BEDFORD

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	REVISIONS

UNAUTHORIZED ADDITIONS, MODIFICATIONS AND / OR ALTERATIONS TO THESE PLANS IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAV

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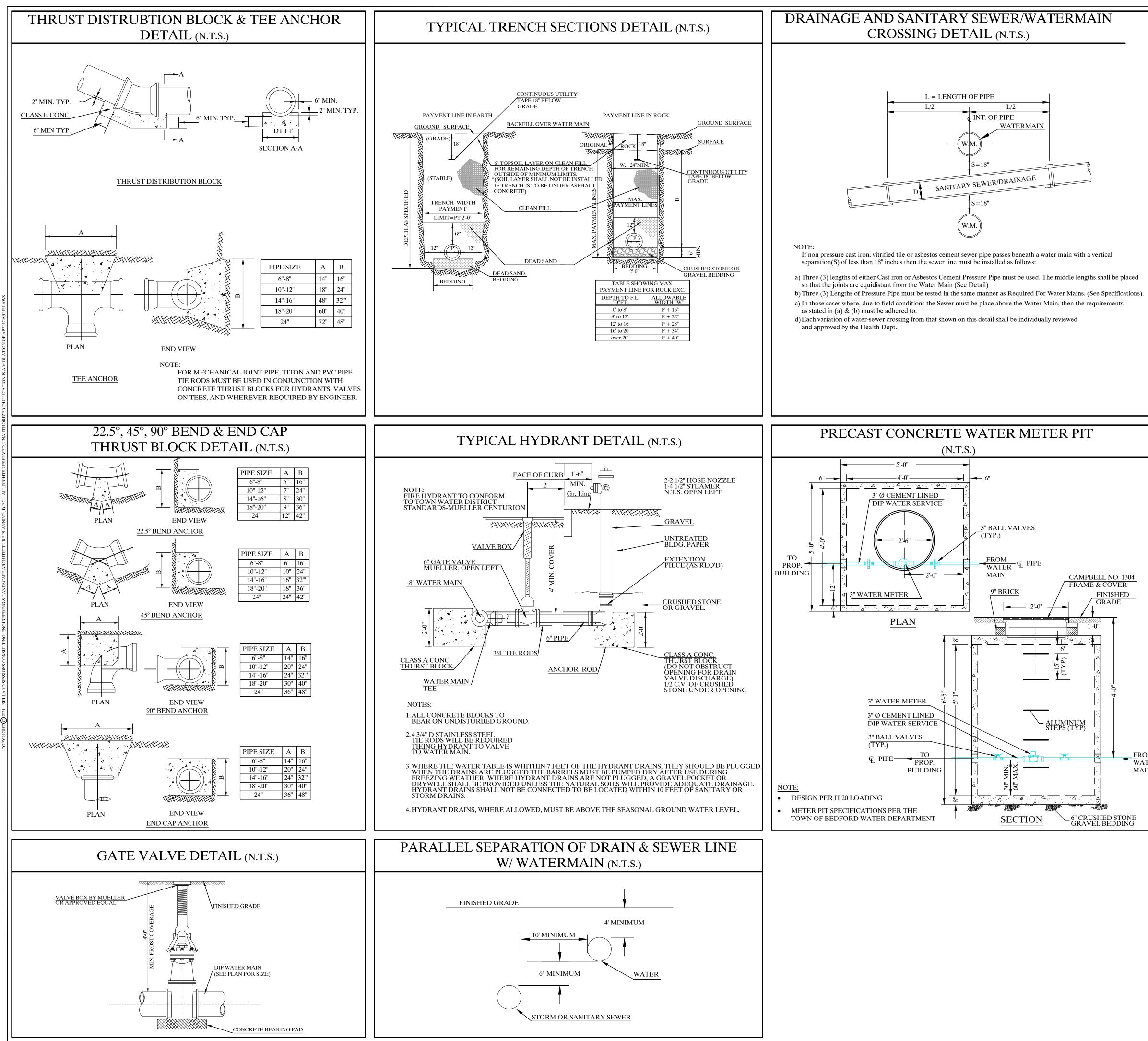
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PROJECT I.D.: BDBEDFORDFIRE20 DATE: DECEMBER 1, 2020

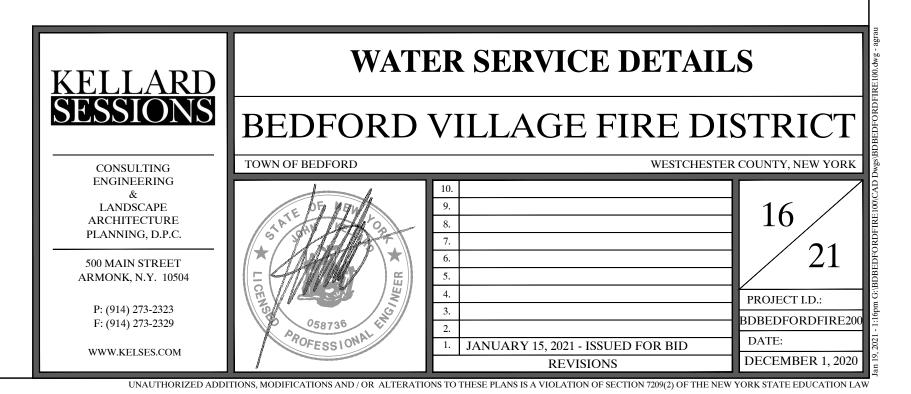


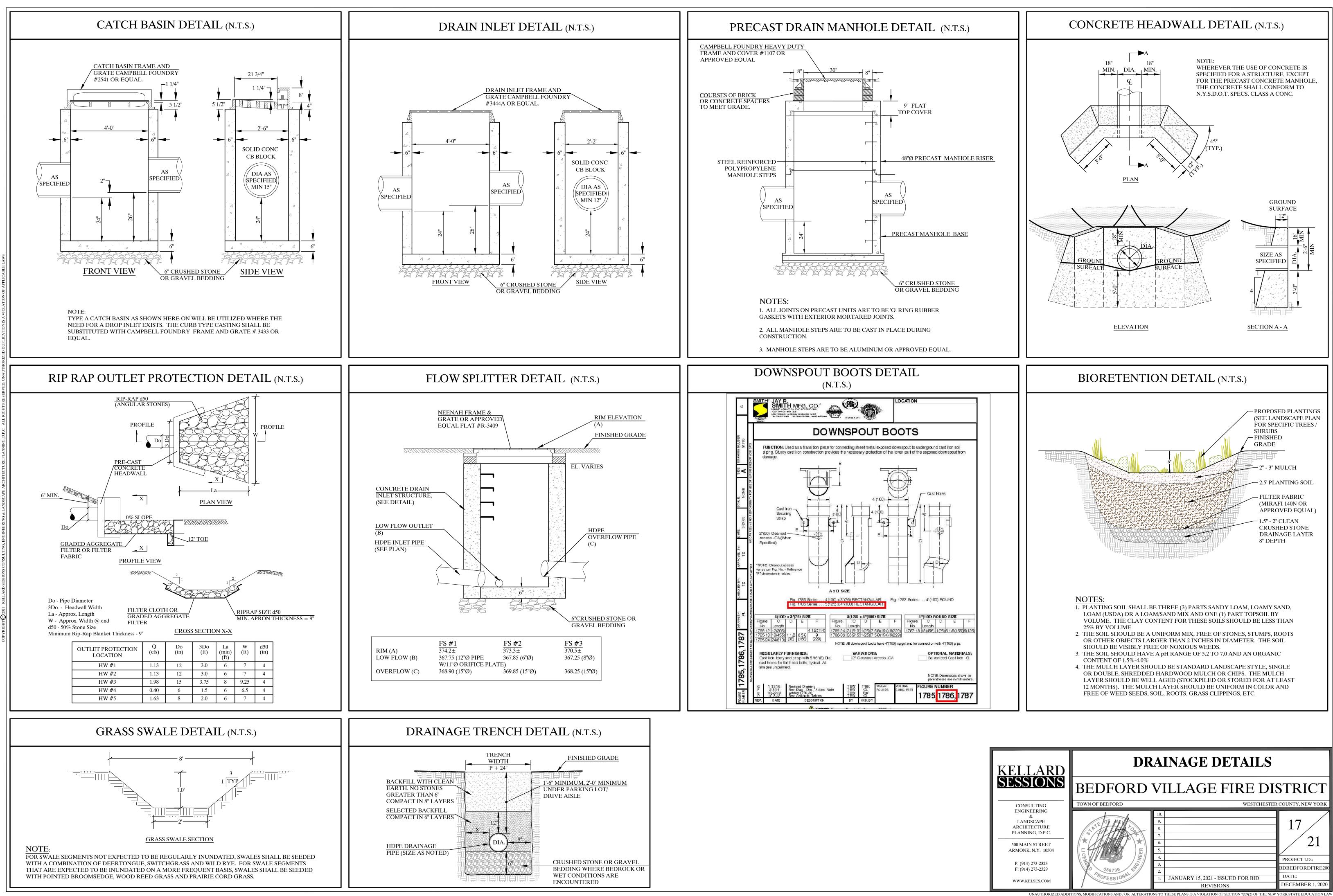
# DRAINAGE AND SANITARY SEWER/WATERMA

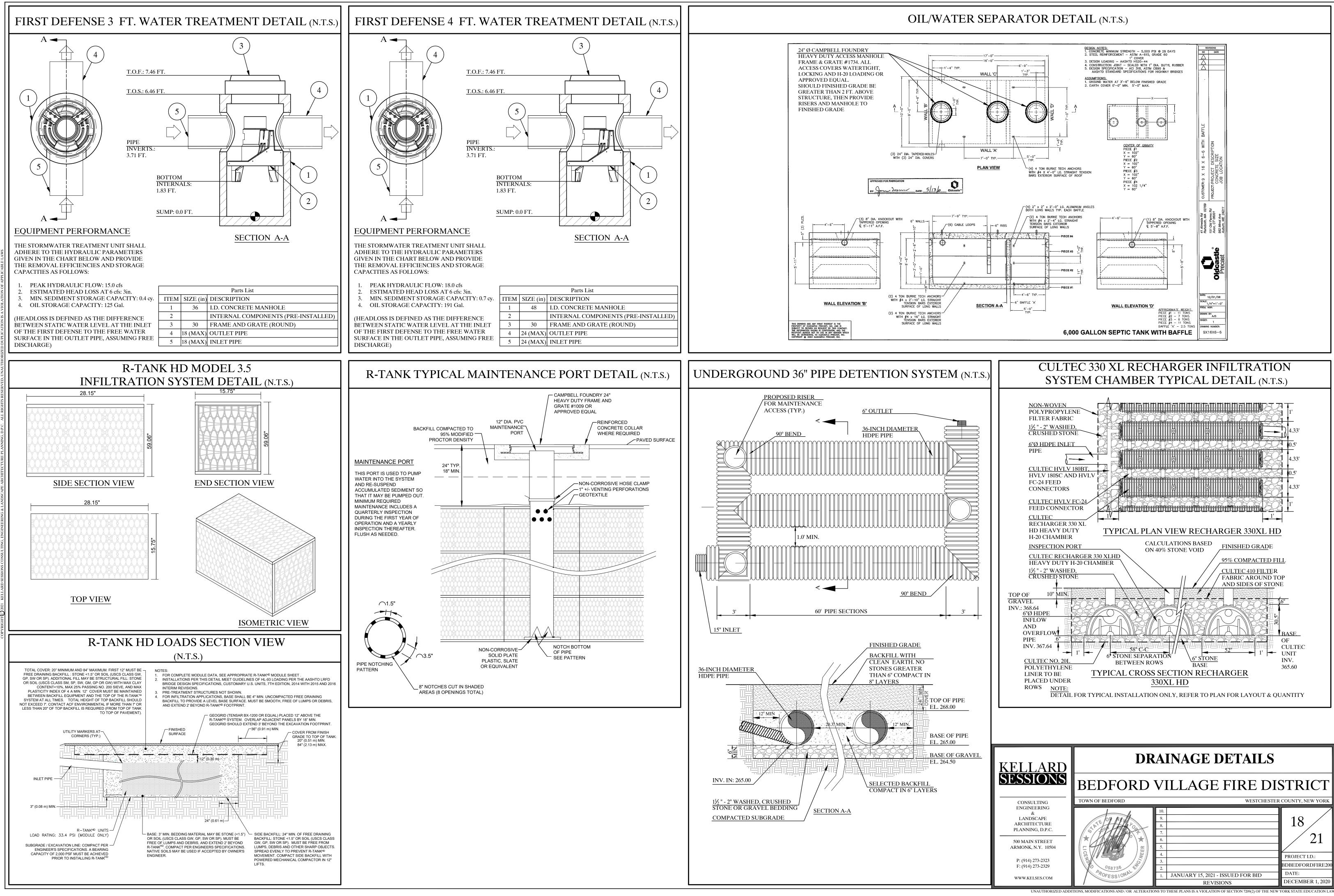
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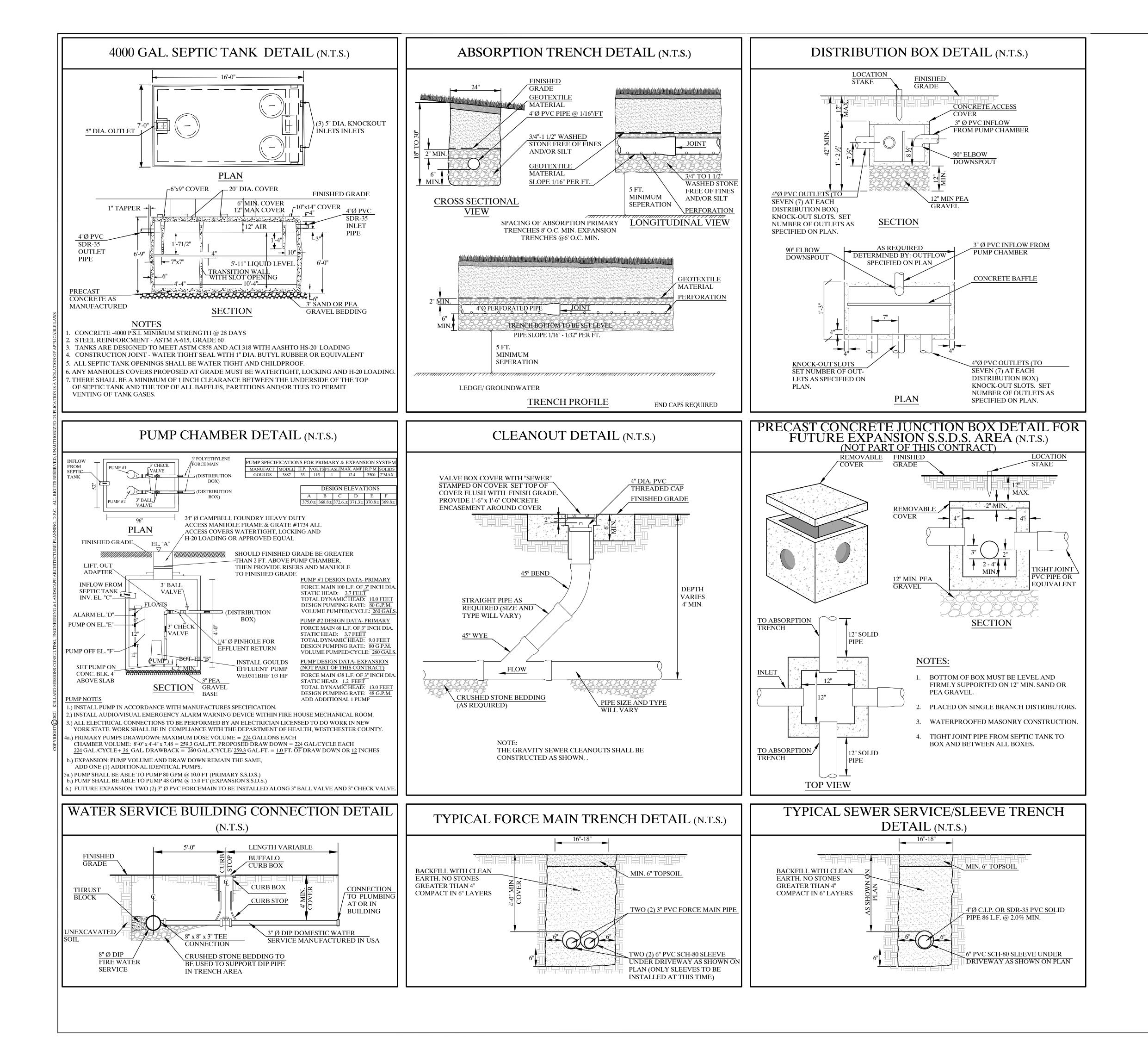


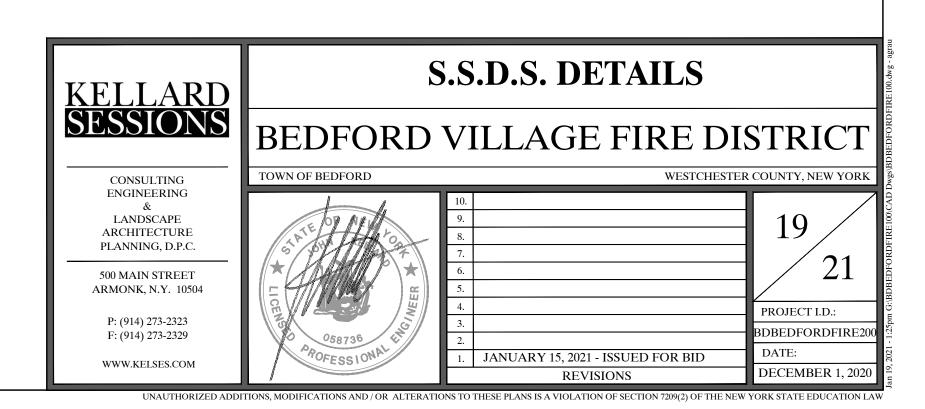
CAMPBELL NO. 1304 FRAME & COVER FINISHED GRADE FROM WATEF MAIN

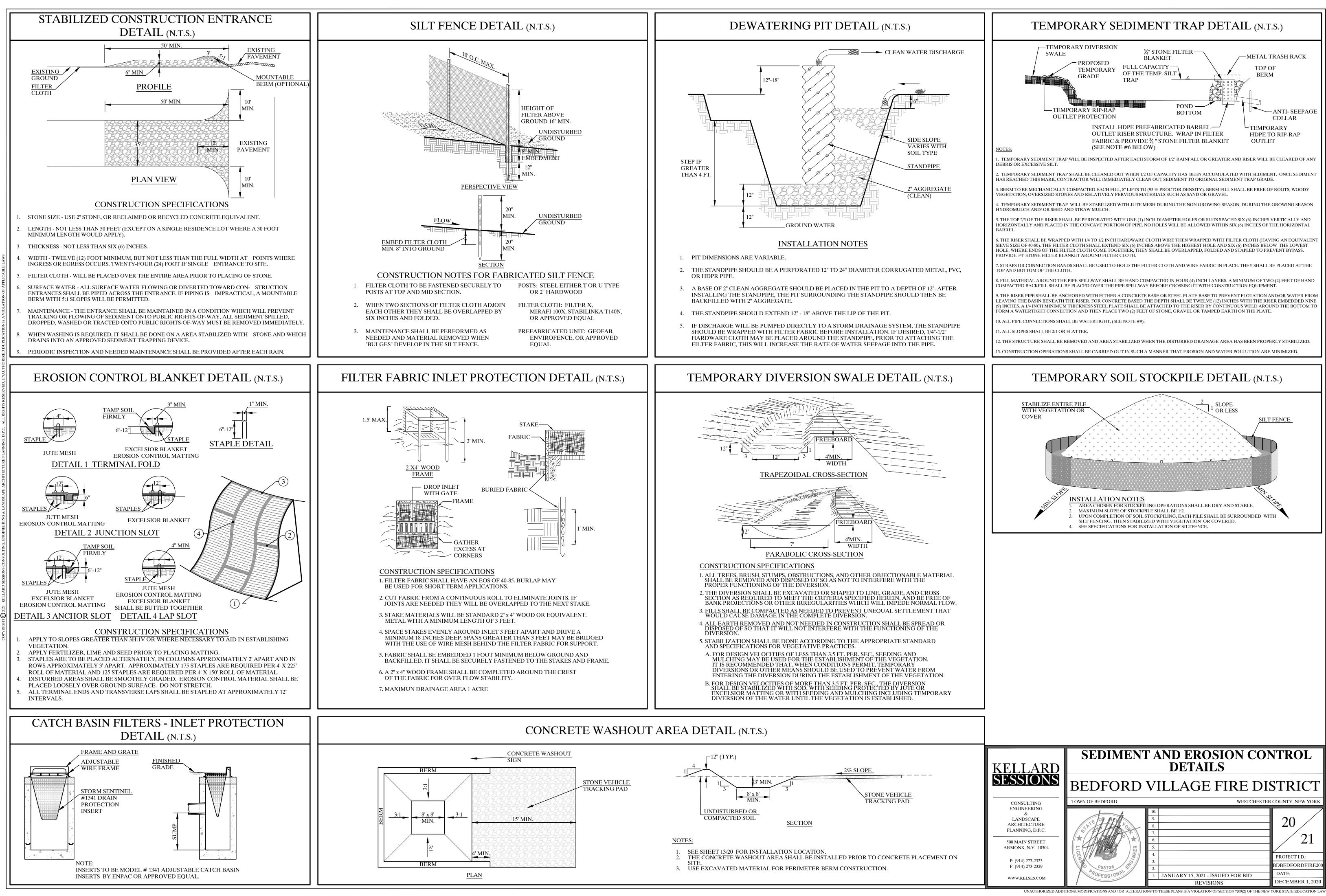












#### **EROSION AND SEDIMENT CONTROL NOTES**

All proposed soil erosion and sediment control practices have been designed in accordance with the following publications:

New York Standards and Specifications for Erosion and Sediment Control, latest edition

New York State SPDES General Permit for Stormwater Runoff from Construction Activity (GP\_0\_20\_001)

The primary aim of the soil erosion and sediment control plan is to reduce soil erosion from areas stripped of vegetation during construction and to prevent silt from reaching the drainage structures, stormwater treatment systems, watercourses, waterbodies and downstream properties. The infiltration systems will not be put into service until the contributing drainage areas to the system have been stabilized. As outlined in the construction sequencing notes below and on the Sediment & Erosion Control Plan, the Sediment & Erosion Control Plan is an integral component of the construction phasing and project sequencing and will be implemented to control sediment and re-establish vegetation as soon as practicable. The plan will be implemented prior to the commencement of any earthmoving activities and will be maintained though the duration of the project.

A copy of the contractor certification form is provided in Stormwater Pollution Prevention Plan Section G. This form will be signed by the contractor prior to the commencement of construction activity. Each contractor and subcontractor shall identify at least one (1) person from their company that will be responsible for implementation of the SWPPP. This person shall be known as the trained contractor. The trained contractor shall be on site on a daily basis when soil disturbance activities are being performed. The trained contractor must receive four (4) hours of NYSDEC endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other NYSDEC endorsed entity. The trained contractor must receive four (4) hours of training every three (3) years.

The owner/operator shall maintain at the construction site a copy of the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activities, GP-0-20-001, the Notice of Intent (NOI), the NOI acknowledgment letter, the Stormwater Pollution Prevention Plan Report for Bedford Village Firehouse, the MS4 SWPPP Acceptance Form and inspection reports from the qualified inspector until all disturbed areas have achieved final stabilization and the Notice of Termination (NOT) has been filed with the NYSDEC.

The applicant or developer or their representative shall be on site at all times when construction or grading activity takes place. A qualified inspector shall conduct site inspections a minimum of twice every seven (7) calendar days. The qualified inspector shall inspect and document the effectiveness of all erosion and sediment control practices. The qualified inspector shall prepare an inspection report subsequent to each and every inspection. The reports shall be forwarded to the MS4 and also copied to the site logbook which is required to be kept on-site. The qualified inspector must be a licensed Professional Engineer, a Certified Professional in Erosion and Sediment Control (CPESC), a Registered Landscape Architect or someone working under the direct supervision of, and at the same company as, the Licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of NYSDEC endorsed training in proper erosion and sediment control principles from a soil and water conservation district.

The proposed soil erosion and sediment control devices include the planned erosion control practices outlined below. Maintenance procedures for each erosion control practice are also provided herein. The owner or operator must ensure that all erosion and sediment control practices identified herein are maintained in effective operating condition at all times.

STABILIZED CONSTRUCTION ENTRANCE

A stabilized construction entrance shall be installed at the project entrance as indicated on the plans. The purpose of the stabilized construction entrance is to prevent vehicles leaving the site from tracking sediment, mud or any other construction-related materials from the site onto Old Post Road and Southbrook Road.

#### Maintenance/Inspection

Stabilized construction entrance shall be inspected a minimum of twice every seven (7) calendar days. The Contractor shall maintain the construction entrance in a manner which prevents or significantly reduces the tracking of sediment/soil onto Old Post Road and Southbrook Road. The Contractor shall inspect the construction entrance daily and after each rain event for displacement or loss of aggregate. The Contractor shall top-dress the construction entrance when displacement/loss of aggregate occurs, or if the aggregate becomes clogged or silted to the extent that the entrance can no longer perform its intended function. The Contractor shall inspect the vicinity of the construction entrance several times a day and immediately remove any sediment dropped or washed onto Old Post Road and Southbrook Road.

#### SILT FENCE

Silt fence (geotextile filter cloth) shall be placed in locations depicted on the approved plans. The purpose of the silt fence is to reduce the velocity of sediment-laden stormwater from small drainage areas and to intercept the transported sediment load. In general, silt fence shall be used at the down-gradient perimeter of disturbed areas, toe of slopes or intermediately within slopes where obvious channel concentration of stormwater is not present. Silt fence shall always be installed parallel to the contours in order to prevent concentrated flows from developing along the silt fence.

#### Maintenance/Inspection

Silt fencing shall be inspected a minimum of twice every seven (7) calendar days. Inspections shall include ensuring that the fence material is tightly secured to the wood posts. In addition, overlapping filter fabric shall be secure and the fabric shall be maintained a minimum of six (6) inches below grade. In the event that any "bulges" develop in the fence, that section of fence shall be replaced immediately with a new fence section. Any visible sediment build-up against the fence shall be removed immediately and deposited on-site a minimum of 100 feet outside of any regulated wetland area, watercourse or waterbody. INLET PROTECTION

After the drain inlets have been installed and the site is completely stabilized, these drain inlets will receive stormwater from the driveway and overland watersheds. During construction, a filter fabric drop inlet barrier shall be placed around the drain inlets to allow stormwater to be filtered prior to the stormwater being discharged to the drainage system.

#### Maintenance/Inspection

Inlet protection devices shall be inspected a minimum of twice every seven (7) calendar days. Care shall be taken to ensure that all inlet protection devices are properly located and secure and do not become displaced. Upon stabilization of the drainage areas, remove all materials and sediment and dispose of properly. Any accumulated sediments shall be removed from the device and deposited not less than 100 feet from a regulated wetland area, watercourse or waterbody.

#### TREE PROTECTION

All significant trees to be preserved located within the limits of disturbance and on the perimeter of the disturbance limits shall be protected from harm by erecting a three (3) feet high (minimum) snow fence completely surrounding the tree. Snow fence should extend to the drip-line of the tree to be preserved. Trees designated to be protected/saved are illustrated on the construction drawings and will be identified in the field prior to construction.

#### Maintenance/Inspection

The snow fence shall remain at the drip-line of the tree to be preserved. The snow fence shall be inspected a minimum of twice every seven (7) calendar days. Any damaged portions of the fence shall be repaired or replaced. Care shall also be taken to ensure that no construction equipment is driven or parked within the drip-line of the tree to be preserved.

#### **RIP-RAP OUTLET PROTECTION**

The outlets of all stormwater discharge areas will be protected from erosion by the placement of stone rip-rap at the culvert outlet. The purpose of the stone outlet protection is to reduce the velocities of the discharged water such that flows will not erode the receiving area.

#### Maintenance/Inspection

Maintenance of the outlet protection devices shall be inspected twice every seven (7) calendar days to determine if any scouring beneath the rip-rap has occurred and/or if any rip-rap has been displaced. All displaced rip-rap shall be re-positioned or replaced with new rip-rap. In addition, all leaves, twigs and brush shall be removed in the vicinity of the culvert/swale outlet to ensure that stormwater is flowing unobstructed.

#### SOIL/MATERIAL STOCKPILING

All soil/material stripped from the construction area during grubbing and grading shall be stockpiled within the vicinity of the locations illustrated on the approved plans, or in practical locations on-site approved by the MS4.

#### Maintenance/Inspection

All stockpiles shall be inspected a minimum of twice every seven (7) calendar days for signs of erosion or problems with seed establishment. Soil stockpiles shall be protected from erosion by vegetating the stockpile with a rapidly-germinating grass seed and surrounded with silt fence. If the project is ongoing during the non-growing season, the stockpiles shall be protected with a tarpaulin covering the entire stockpile.

#### SURFACE STABILIZATION

All disturbed areas will be protected from erosion with the use of vegetative measures (e.g., grass seed mix, sod), hydromulch, hay or erosion control blankets.

In areas where soil disturbance activity has temporarily or permanently ceased, the application of soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the soil disturbance has ceased.

Erosion control barriers consisting of silt fencing shall be placed around exposed areas during construction. Any areas stripped of vegetation during construction will be vegetated and/or mulched immediately to prevent erosion of the exposed soils. In areas where significant erosion potential exists (steep slopes) and/or where specifically directed, Curlex Excelsior erosion control blankets (manufactured by American Excelsior or approved equal) shall be installed.

Materials that may be used for mulching include straw, hay, salt hay, wood fiber, synthetic soil stabilizers, mulch netting, erosion control blankets or sod. A permanent vegetative cover will be established upon completion of construction of those areas which have been brought to finish grade and to remain undisturbed.

#### GENERAL LAND GRADING

The applicant/developer or their representatives shall be on-site at all times when construction or grading activity takes place and shall inspect and document the effectiveness of all sediment and erosion control practices. No more than five (5) acres of disturbed land will be exposed without stabilization at any one time.

The intent of the erosion controls is to control all disturbed areas, such that soils are protected from erosion by temporary methods and, ultimately by permanent vegetation.

#### DUST CONTROL

Where vegetative or mulch cover is not practical in disturbed areas of the site, dust shall be controlled by the use of water sprinkling. The surface shall be sprayed until wet. Dust control shall continue until such time as the entire site is adequately stabilized with permanent vegetative cover.

POLLUTION PREVENTION MEASURES FOR CONSTRUCTION RELATED ACTIVITIES

Pollution prevention practices for preventing litter, construction chemicals (if applicable) and construction debris from becoming a pollutant source in stormwater discharge include daily pickup of construction debris, inspection, and physical controls such as silt fencing. Inspections will also be conducted to ensure that dust control measures are utilized as necessary. During construction, maintenance, construction and waste materials will be stored within suitable areas/dumpsters, as appropriate, to minimize the exposure of the materials to stormwater and spill prevention. All maintenance and construction waste will be disposed of in a safe manner in accordance with all applicable regulations.

#### SOIL RESTORATION

All soils compacted during construction shall be restored in accordance with "Deep Ripping and Decompaction, April 2008" by the NYSDEC and Table 5.3 of the NYSDEC Stormwater Design Manual. See Appendix VII for Soil Restoration References.

#### GENERAL CONSTRUCTION SEQUENCING

Installation of sediment and erosion control measures

#### Outlined below is a brief listing of the construction sequencing for the project.

Prior to any interior site activity, the owner, contractor, owner's engineer and NYCDEP representative shall hold a pre-construction meeting.

Stabilization shall be defined as "covering or maintaining an existing cover over soil. Cover can be vegetative (e.g., grass, trees, seed and mulch, shrubs, or turf) or non-vegetative (e.g., geotextiles, rip-rap, or gabions)."

The applicant shall notify the design engineer & MS4 at least 48 hours before any of the following as required by the Stormwater Management Officer:

• The owner/operator/contractor to conduct a pre-construction meeting. • Contractor to stake clearing limits of disturbance.

Construction Sequence

Start of construction

Completion of site clearing

Completion of final grading

Completion of rough grading

Close of the construction season

Successful establishment of landscaping.

Completion of final landscaping

Contractor to install construction limits fencing.

• Contractor to commence clearing and grubbing of complete work area.

Contractor to install stabilized construction entrance in location as indicated on the Sediment and Erosion Control Plan.

• Contractor to install silt fence, all erosion control measures and tree protection in location as indicated on the Sediment and Erosion Control Plan. Contractor to contact appropriate authorities to inspect sediment and erosion control measures.

for all stormwater management facilities and must be certified by a New York State licensed land surveyor or professional engineer.

Contractor to construct Temporary Sediment Traps.

• Owner/operator to obtain all necessary permits/approvals.

Contractor to construct temporary diversion swale in location as indicated on the Sediment and Erosion Control Plan.

Contractor to stockpile excavated topsoil for reuse on site, in soil stockpile locations as indicated on the Sediment and Erosion Control Plan.

Contractor to initiate building excavation and general excavation and fill for parking area and driveways.

Contractor shall construct building.

Contractor to rough grade parking area and SSDS area.

• Contractor to initiate installation of storm drainage facilities, SSDS and infiltration practices. Contractor to keep infiltration practices off-line until contributing drainage area is stabilized. Storm drainage facilities to be installed include the underground piped detention system, bioretention basin, Cultect infiltration system, R-Tank infiltration system, grass swale and associated network of catch basins, manholes, drainage pipes, flow splitters, water quality structures, headwalls and outfalls. Contractor shall connect roof leaders to drainage system.

Contractor to install utilities (electric, cable TV, phone), gas lines and water service.

Contractor to notify WCHD for inspection of SSDS.

Contractor to install inlet protection around installed drainage facilities.

• Contractor to re-install construction fence around perimeter of SSDS area.

Contractor to provide dust control during construction as necessary.

Contractor to topsoil and re-vegetate disturbed areas. Re-vegetate areas as indicated on the landscape plans with critical area seeding.

• Contractor to install electric service and light poles. Contractor to install curbing and sidewalks.

Contractor to finish final grading of parking area to subgrade

Contractor to install Item #4 base course and asphalt pavement in parking area.

Once the site is stabilized, the infiltration practices shall be placed on-line for site runoff. Roof runoff will be discharged to drainage system once roof gutters are installed.

Contractor to complete landscaping in accordance with the landscape plan.

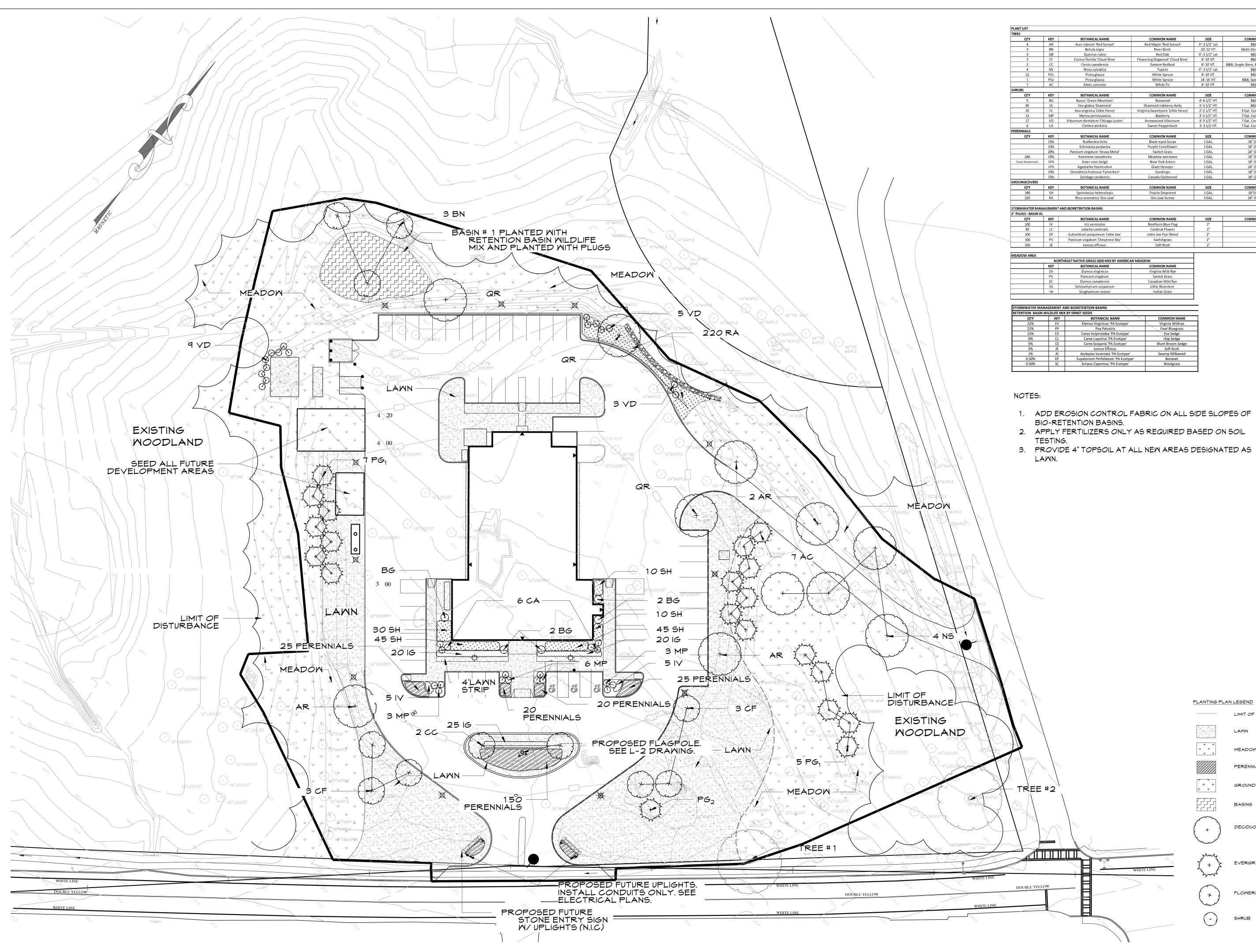
Contractor to notify authorities to inspect final landscaping.

• Contractor shall remove silt fence, inlet protection, tree protection and all erosion control measures upon site stabilization

The owners/contractor are required to submit As-Built plans for all stormwater management practices located on site after final construction is completed. The plan must show the final design specifications

KELLARD	NOTES			
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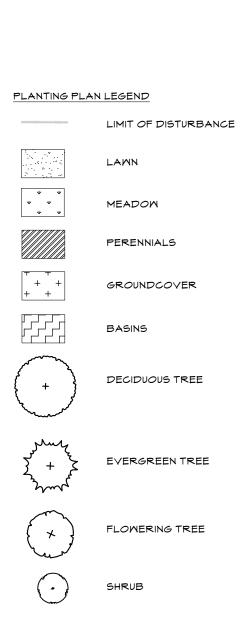
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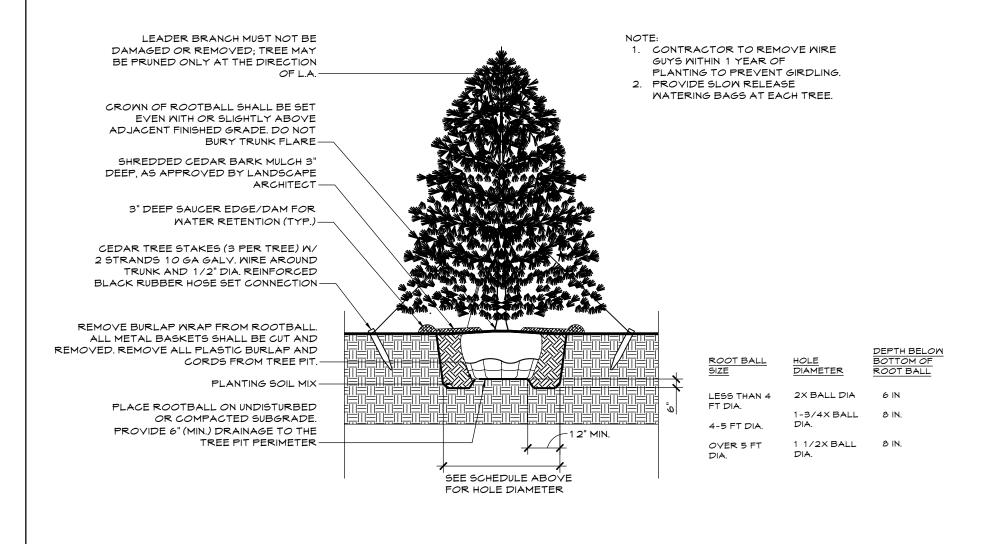
LIST					
QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
4	AR	Acer rubrum 'Red Sunset'	Red Maple 'Red Sunset'	3"-3 1/2" cal.	B&B
3	BN	Betula nigra	River Birch	10'-12' HT.	Multi-Stem, B&B
3	QR	Quercus rubra	Red Oak	3"-3 1/2" cal.	B&B
3	CF	Cornus florida 'Cloud Nine'	Flowering Dogwood 'Cloud Nine'	8'-10' HT.	B&B
2	CC	Cercis canadensis	Eastern Redbud	8'-10' HT.	B&B, Single Stem, Matching Species
4	NS	Nissa sylvatica	Tupelo	3"-3 1/2" cal.	B&B, Single Sterri, Matching Species B&B
12	PG1	Picea glauca	White Spruce	8'-10' HT.	B&B
12	PG1 PG2	Picea glauca	White Spruce	14'-16' HT.	B&B, Specimen
7	AC	Abies concolor	White Fir	8'-10' HT.	B&B
s	AC	Ables concolor	Wintern	8-10 111.	bab
-	KEY	BOTANICAL NAME		SIZE	COMMENTS
<u></u>					
5	BG	Buxus 'Green Mountain'	Boxwood	4'-4 1/2" HT.	B&B B&B
65	IG	Ilex glabra 'Shamrock'	Shamrock Inkberry Holly	3'-3 1/2" HT.	
10	IV	Itea virginica 'Little Henry'	Virginia Sweetspire 'Little Henry'	2'-2 1/2" HT.	5 Gal. Container
12	MP	Myrica penslyvanica	Bayberry	3'-3 1/2" HT.	7 Gal. Container
17	VD	Viburnum dentatum 'Chicago Lustre'	Arrowwood Viburnum	3'-3 1/2" HT.	7 Gal. Container
6	CA	Clethra alnifolia	Sweet Pepperbush	3'-3 1/2' HT.	7 Gal. Container
NIALS					
QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
	15%	Rudbeckia hirta	Black-eyed Susan	1 GAL.	18" O.C.
	10%	Echinacea purpurea	Purple Coneflower	1 GAL.	18" O.C.
	20%	Panicum virgatum 'Heavy Metal'	Switch Grass	1 GAL.	24" O.C.
240	10%	Anemone canadensis	Meadow anemone	1 GAL.	18" O.C.
l Perennials	10%	Aster novi-belgii	New York Asters	1 GAL.	18" O.C.
	10%	Agastache foeniculum	Giant Hyssops	1 GAL.	24" O.C.
	10%	Oenothera fruticosa 'Fyrverkeri'	Sundrops	1 GAL.	18" O.C.
	15%	Solidago candensis	Canada Goldenrod	1 GAL.	18" O.C.
NDCOVERS				-	
QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
140	SH	Sporobolus heterolepis	Prairie Dropseed	1 GAL.	18"O.C.
220	RA	Rhus aromatica 'Gro-Low'	Gro-Low Sumac	3 GAL.	24" O.C.
WATER MAN	AGEMENT	AND BIORETENTION BASINS			
GS - BASIN #1					
QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
100	IV	Iris versicolor	Northern Blue Flag	2"	
50	LC	Lobelia cardinalis	Cardinal Flower	2"	
100	EP	Eutrochium purpureum 'Little Joe'	Little Joe Pye Weed	2"	
100	PV	Panicum virgatum 'Cheyenne Sky'	Switchgrass	2"	
150	JE	Juncus effusus	Soft Rush	2"	
150	52	Sundas en distas	Sorendan	-	
OW AREA					
	NO	RTHEAST NATIVE GRASS SEED MIX BY AMERICA			
	KEY	BOTANICAL NAME		1	
	EV	Elymus virginicus	Virginia Wild Rye		
		, , ,		1	
	PV FC	Panicum virgatum	Switch Grass		
	EC	Elymus canadensis	Canadian Wild Rye		
	SS	Schizachyrium scoparium	Little Bluestem	1	
	SN	Sorghastrum nutans	Indian Grass	1	

WATER MANAGEMENT AND BIORETENTION BASINS				
ION BASIN WILDLIFE MIX BY ERNST SEEDS				
QTY	KEY	BOTANICAL NAME	COMMON NAME	
22%	EV	Elymus Virginicus 'PA Ecotype'	Virginia Wildrye	
22%	PP	Poa Palustris	Fowl Bluegrass	
15%	CV	Carex Vulpinoidea 'PA Ecotype'	Fox Sedge	
6%	CL	Carex Lupulina 'PA Ecotype'	Hop Sedge	
5%	CS	Carex Scoparia 'PA Ecotype'	Blunt Broom Sedge	
3%	JE	Juncus Effusus	Soft Rush	
1%	AI	Asclepias incarnata 'PA Ecotype'	Swamp Milkweed	
0.50%	EP	Eupatorium Perfoliatum 'PA Ecotype'	Boneset	
0.50%	SC	Scirpus Cyperinus 'PA Ecotype'	Woolgrass	
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- 1. ADD EROSION CONTROL FABRIC ON ALL SIDE SLOPES OF
- 2. APPLY FERTILIZERS ONLY AS REQUIRED BASED ON SOIL

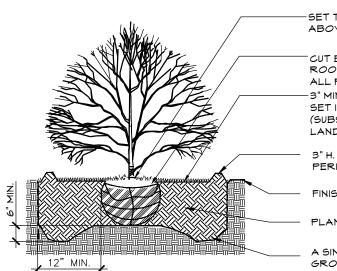


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No. No. No. Scale Date	ISSUE FOR BID Revision/Issue IQ Imbiano ·Quigley Landscape Architects, P.C. 31 Mamaroneck Ave., 7th FJ White Plains, New York 106 admin@iqlandarch.com (914) 232-0200 tt Name Bedford Firehour ng Title Landscape Plan	Date
No. No. No. Scale Date	ISSUE FOR BID Revision/Issue IQ Imbiano ·Quigley Landscape Architects, P.C. 31 Mamaroneck Ave., 7th FJ White Plains, New York 106 admin@iqlandarch.com (914) 232-0200 The Bedford Firehour Bedford Firehour Ing Title Landscape Plan I"=30' Sheet No.	Date



# EVERGREEN TREE PLANTING DETAIL

SCALE: 3/8"=1-0"



SET TOP OF ROOTBALL AT OR SLIGHTLY ABOVE GRADE WHERE PLANT WAS DUG CUT BURLAP & TWINE FROM TOP = OF ROOTBALL; LOOSEN ALL TIES, REMOVE ALL PLANT TAGS 3" MIN SHREDDED CEDAR F SET IN 3" DEEP WATERING SAUCER (SUBSTITUTES APPROVED BY

LANDSCAPE ARCHITECT ONLY) 3" H. RIM OF TAMPED EARTH AT HOLE PERIMETER TO RETAIN WATER

#### FINISHED GRADE PLANTING SOIL MIX

A SINGLE AREA MAY BE EXCAVATED FOR GROUPS OF SHRUB PLANTINGS TO CREATE ONE CONTINUOUS PLANTING BED; BARE ROOT PLANTING MAY BE SET IN HOLES ONLY 2X ROOT SPREAD

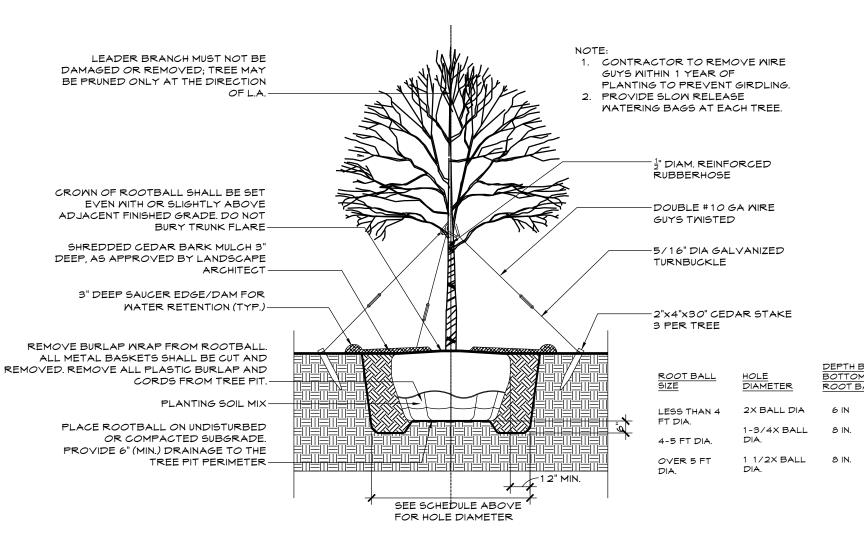
## shrub planting detail SCALE: 3/8"=1-0"

#### TREE PRESERVATION/ PRUNING NOTES:

- 1. CONTRACTOR TO PROVIDE FOR ONE DAY OF PRUNING WITH A CREW UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED ARBORIST UNDER THE BASE BID. ALL EQUIPMENT INCLUDING ANY AERIAL LIFTS NECESSARY TO PERFORM THE WORK SHALL BE INCLUDED IN THE COST. FOCUS OF PRUNING WILL BE MISCELLANEOUS TREES TO REMAIN ALONG SOUTH BROOK ROAD AND TREES AS NOTED #1 (OAK) AND #2 (MAPLE).
- 2. ALL TREES TO BE PRESERVED ON THE SITE SHALL BE PROTECTED AGAINST DAMAGE DURING CONSTRUCTION OPERATIONS BY THE USE OF WOODEN TREE GUARDS OR SNOW FENCING. IN NO CASE SHALL BOARDS OR FENCES BE NAILED TO PROTECTED TREES. THE TREE PROTECTION SHALL BE PLACED BEFORE ANY EXCAVATING OR GRADING IS BEGUN AND MAINTAINED FOR THE DURATION OF THE CONSTRUCTION WORK UNLESS OTHERWISE DIRECTED. MINIMUM LIMITS OF TREE PROTECTION FENCING SHALL BE THE DRIP LINE OF THE TREE.
- 3. NO MATERIAL SHALL BE STORED OR CONSTRUCTION OPERATION SHALL BE CARRIED ON WITHIN THE TREE PROTECTION FENCING. CONSTRUCTION EQUIPMENT, TRUCKS OR OTHER VEHICLES SHOULD NOT BE PARKED OR OPERATED UNDER THE CANOPY OF

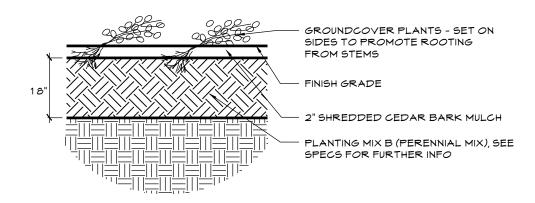
TREES TO BE SAVED. IF TRAFFIC CANNOT BE REROUTED OR MATERIAL STORAGE CANNOT BE RELOCATED AWAY FROM THE ROOT ZONE, THEN APPLY A LAYER OF WOOD CHIPS AT LEAST SIX INCHES THICK OVER THE ENTIRE ROOT ZONE AREA TO AVOID SOIL COMPACTION.

- 4. ALL DEBRIS AND WASTES SHALL BE HAULED AWAY FOP PROPER DISPOSAL AND IN NO CASE SHALL BE BURNED, BURIED ON SITE OR STOCKPILED OVER ROOT ZONES.
- 5. AVOID GRADE CHANGES AS MUCH AS POSSIBLE AROUND TREES TO BE PRESERVED. NEVER PILE EXCAVATED SOIL AROUND ANY TREE.
- 6. PROTECT ROOTS FROM DAMAGE WHEN LAYING UTILITY LINES BY TUNNELING RATHER THAN TRENCHING WHERE FEASIBLE.
- 7. ANY DAMAGE DONE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY. ROOTS EXPOSED AND/OR DAMAGED DURING CONSTRUCTION SHALL BE CUT OFF CLEANLY AND TOPSOIL SHALL BE IMMEDIATELY PLACED OVER THE EXPOSED ROOT AREA. DAMAGED TREES SHALL BE WATERED AND PROTECTED FROM FUTURE DAMAGE



# ECIDUOUS TREE PLANTING DETAIL

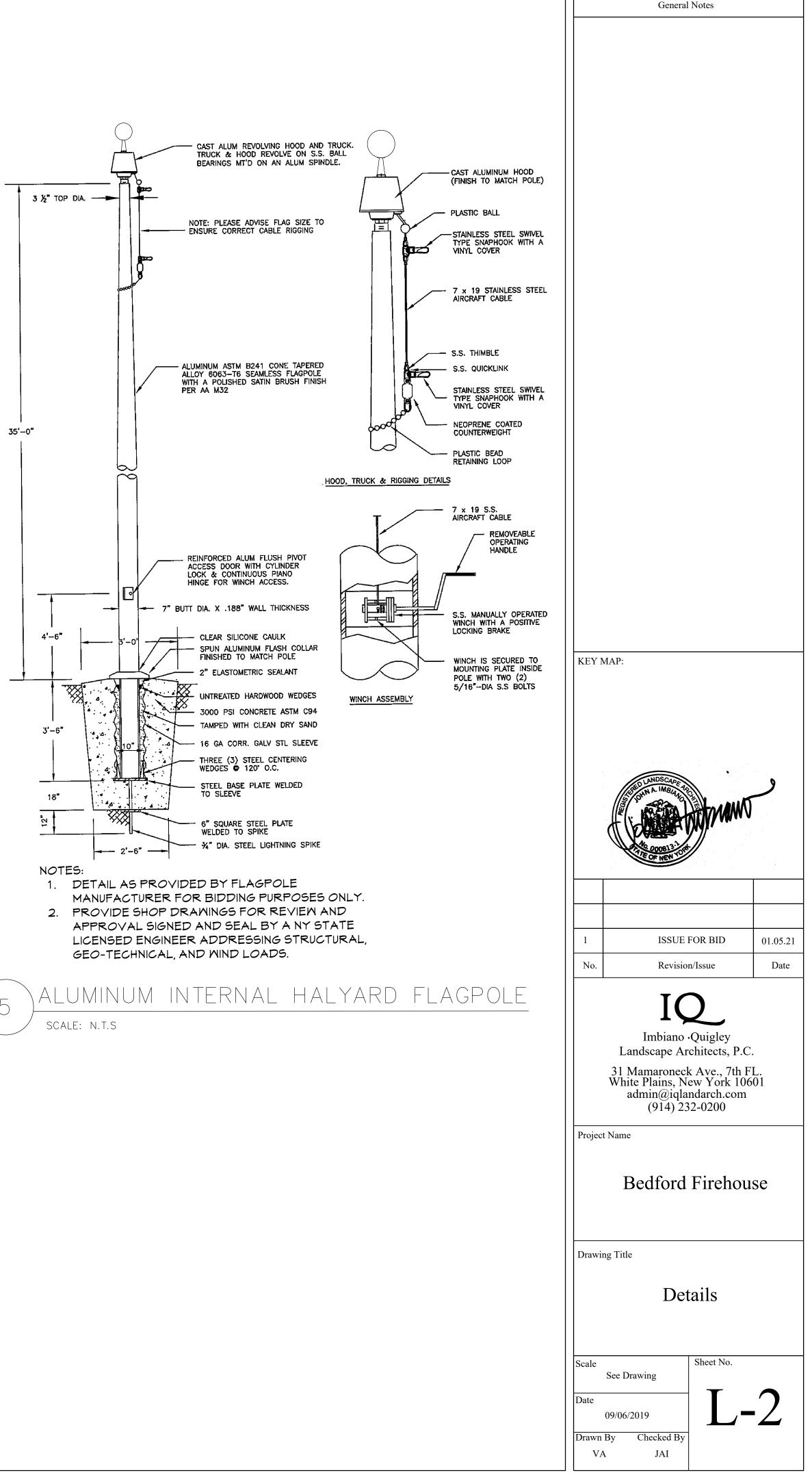
SCALE: 3/8"=1-0"

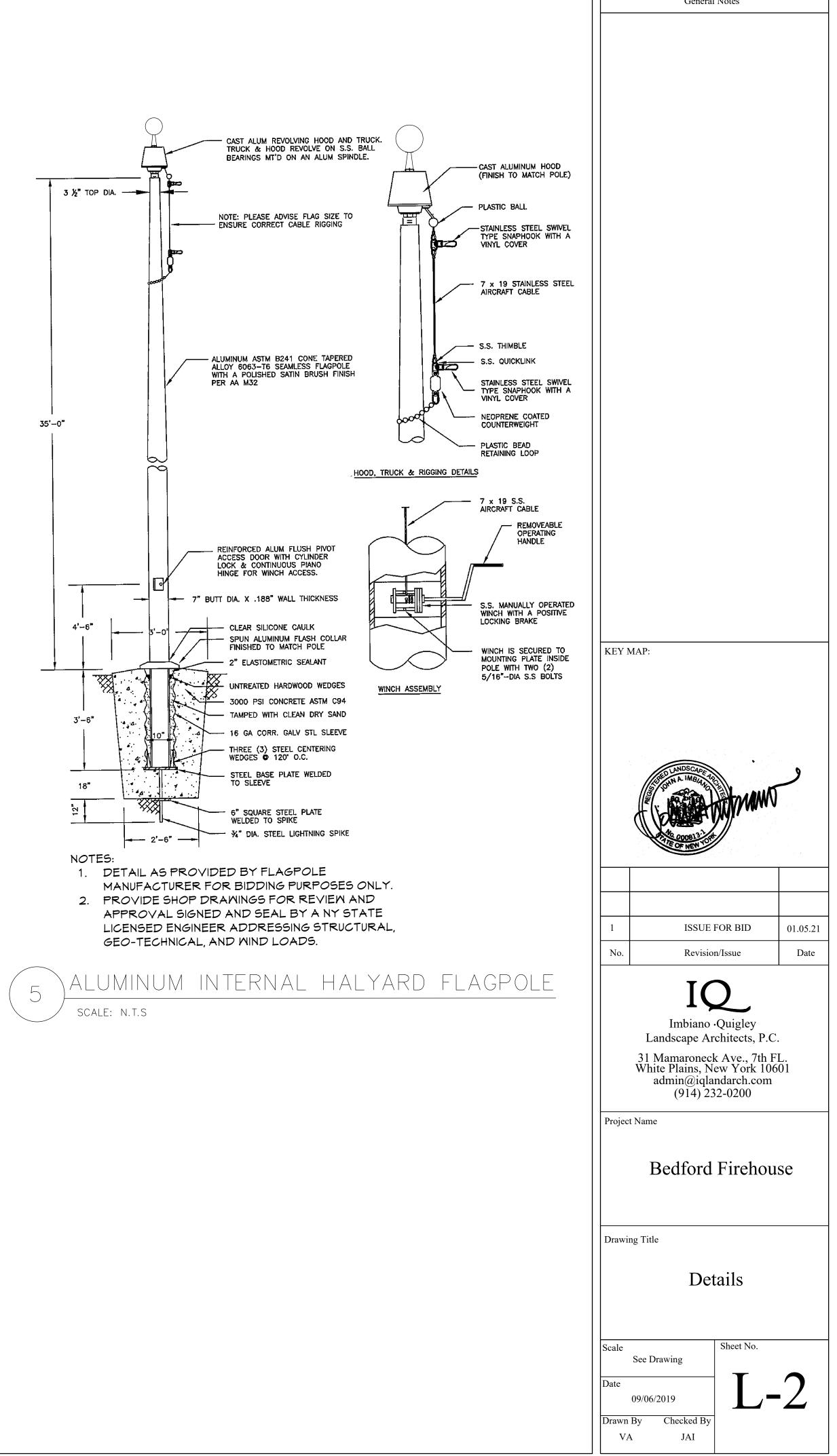


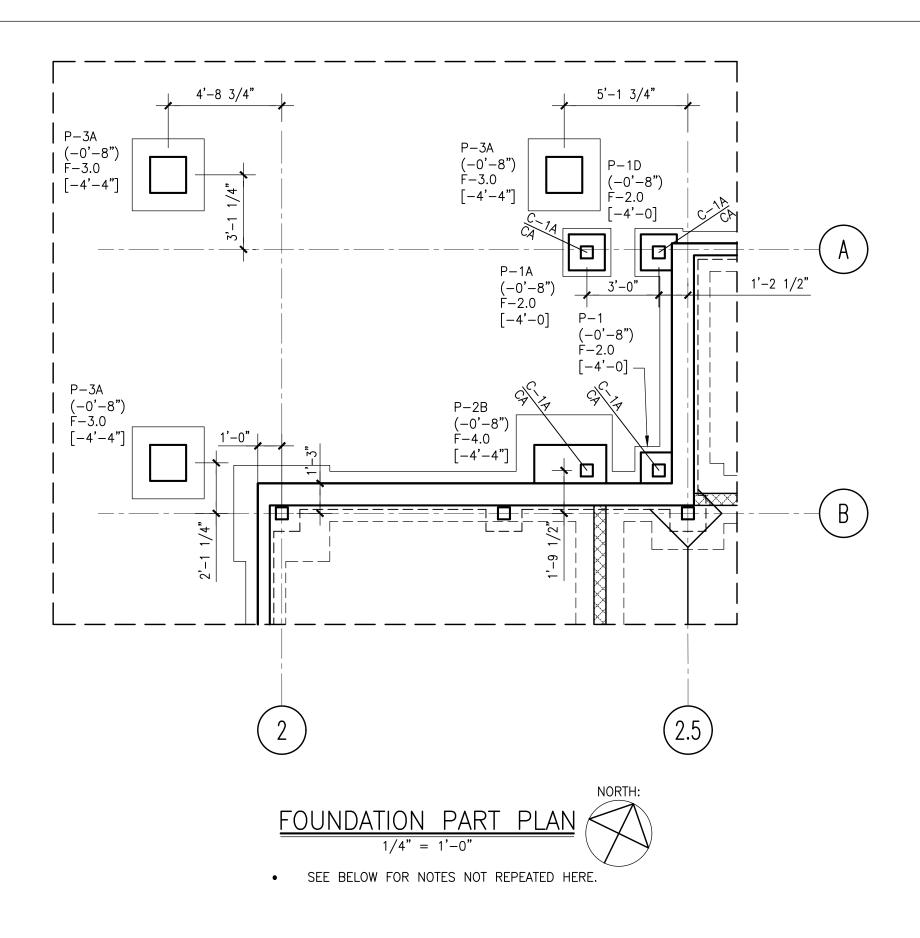
# PERENNIAL PLANT BED DETAIL

SCALE: 3/8"=1-0"

- 8. ANY TREE DAMAGED DURING CONSTRUCTION SHALL BE INSPECTED BY A N.Y.S. LICENSED ARBORIST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE RECOMMENDATIONS BY THE ARBORIST AND ALL REPAIRS SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
- 9. ALL BRANCH PRUNING, ROOT PRUNING AND FERTILIZATION WORK TO BE PERFORMED BY A CERTIFIED LICENSED ARBORIST AND REPUTABLE TREE CARE COMPANY. SUBMIT QUALIFICATIONS TO LANDSCAPE ARCHITECT FOR APPROVAL.
- 10. ALL PRUNING WORK TO BE COMPLETED IN ACCORDANCE WITH STANDARDS SET FORTH BY THE NATIONAL ARBORIST ASSOCIATION.
- 1 1. USE ONLY HAND METHODS FOR GRUBBING IN AREAS WITHIN DRIP-LINE OF TREES.
- 12. TREES SHALL BE PERIODICALLY INSPECTED AND CHECKED FOR SIGNS OF STRESS DURING TO NEW CONSTRUCTION BY A CERTIFIED ARBORIST RETAINED BY THE CONTRACTOR.







#### FOUNDATION AND SLAB ON GRADE PLAN 1/8" = 1'-0"

- DO NOT SCALE THIS PLAN. SEE ARCH. FOR ALL DIMENSIONS AND ELEVATIONS.
- APPARATUS BAY CONCRETE SLAB ON GRADE CONSTRUCTION: 8" THICK CONCRETE SLAB, REINFORCED WITH #5 BARS EACH WAY AT 12"o.c. SEE SPECIFICATIONS FOR REQUIRED ADMIXTURES. SEE M3.1 FOR COORDINATION OF RADIANT FLOOR HEATING WORK.
- OFFICE AND EXTERIOR SLAB ON GRADE CONSTRUCTION: 5" CONCRETE SLAB ON GRADE, REINFORCED WITH 6x6-W1.4xW1.4 WELDED WIRE FABRIC.

#### <u>LEGEND</u>

- 🛛 🗱 INDICATES CMU SHEAR WALL, SEE "TYPICAL CONCRETE MASONRY WALL REINFORCEMENT DETAIL".
- "CA" INDICATES STEEL COLUMN ABOVE, SEE COLUMN SCHEDULE ON 1/S3.3.
- "CJ" INDICATES APPROXIMATE LOCATION OF CONTROL/CONSTRUCTION JOINTS IN SLABS ON GRADE. FOR DETAILS, SEE "TYPICAL SLAB ON GRADE DETAILS".
- P-## INDICATES PIER TYPE, SEE "PIER SCHEDULE AND PIER DETAILS".

NOTE "C" ELEVATION OF EXTERIOR SLAB ON GRADE SHALL MATCH ELEVATION OF ADJACENT SIDEWALKS, SEE CIVIL.

 $\pm X' - XX''$ 

 $[\pm X' - XX'']$ 

 $(\pm X' - XX'')$ 

 $(\pm X' - XX'')$ 

FOOTING SCHEDULE						
(ALLOWABLE BEARING PRESSURE: 3000 PSF)						
MARK	PLAN SIZE		THICKNESS	BOTTOM	BOTTOM REINF.	
	N-S	E-W	THICKINESS	°   N−S	E-W	
F-2.0	2'-0"	2'-0"	1'-0"	(3)-#5	(3)-#5	
F-3.0	3'-0"	3'-0"	1'-4"	(4)-#5	(4)-#5	
F-4.0	4'-0"	4'-0"	1'-4"	(5)-#5	(5)-#5	
F-5.0	5'-0"	5'-0"	1'-4"	(6)-#5	(6)-#5	
F-6.0	6'-0"	6'-0"	1'-4"	(7)-#5	(7)-#5	
F-7.0	7'-0"	7'-0"	1'-8"	(10)-#5	(10)-#5	
NOTES:						
1. REFER TO TYPICAL FOOTING DETAIL AND FOUNDATION NOTES IN USING THIS SCHEDULE.						
REFERENCE ELEVA						
ITE	M	DESC	RIPTION	topo e	ELEV.	

T/PIER

T/FND. WALL

#### <u>EDULE</u> F. FROM DRW. REF. SYMBOL FROM ELEV. (U.O.N.) DWG. REF. ELEV. 0'-0" \_\_\_ $\pm X' - XX''$ \_\_\_

\_\_\_

\_\_\_

SEE PLAN

SEE PLAN

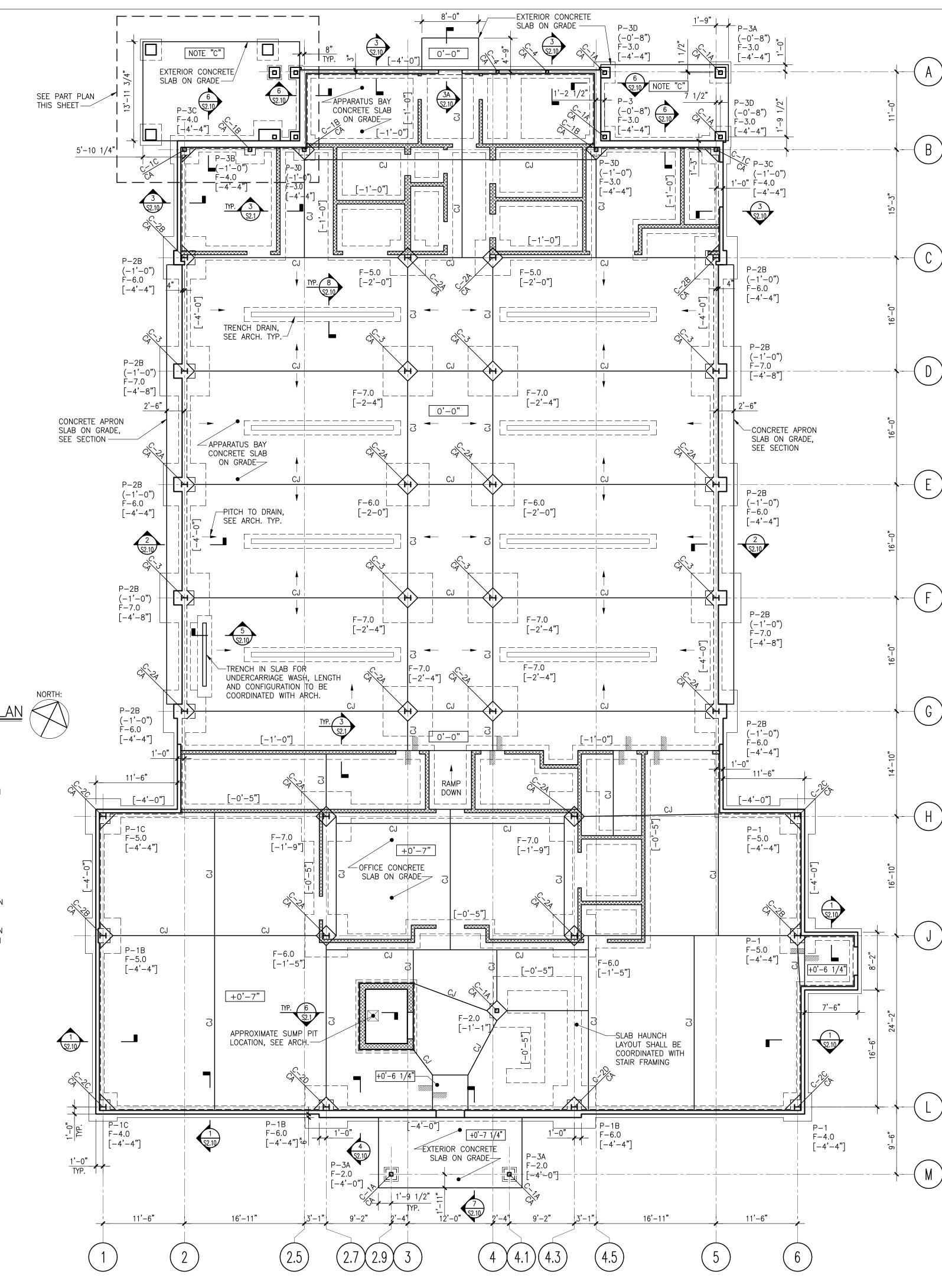
-0'-1"

SEE SECTION

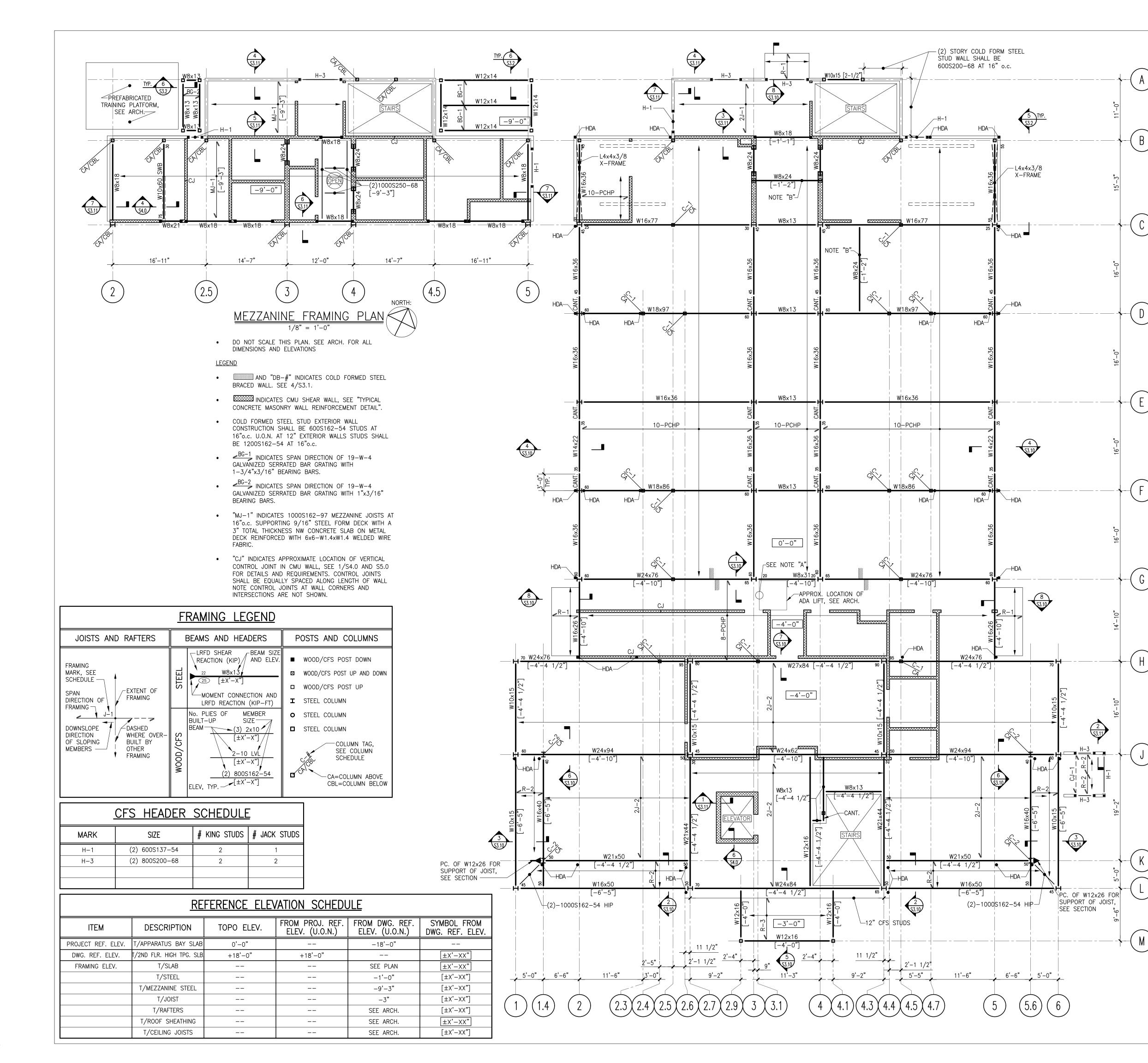
USING THIS SCHE	DULE.		
	<u>RE</u>	FERENCE ELEV	ATION SCHE
ITEM	DESCRIPTION	TOPO ELEV.	FROM PROJ. RE ELEV. (U.O.N.)
PROJECT REF. ELEV.	T/APPARATUS BAY SLAB	376.0'	
DRAWING REF. ELEV.	T/APPARATUS BAY SLAB		0'-0"
FRAMING ELEV.	T/ SLAB		
	B/FOOTING		

\_\_\_

\_\_\_



31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
Owner: Bedford Village Fire District
34 Village Green Bedford, NY 10506
Structural Engineering:
Conlon Engineering, LLC Structural Engineers
246 Federal Rd, Suite B23 Brookfield, CT 06804
203.740.0990
Date Issue 01.15.21 ISSUED FOR BID
Project Title
Bedford
Fire
Headquarters
550 Old Post Road Bedford, NY 10506
Drawing Title
FOUNDATION AND
SLAB ON GRADE PLAN
Project No. 19105
Date     03-25-2020       Scale     A5 NOTED
Checked by PK
Checked by PJC Drawing No.
<b>S1.0</b>
079876 ET



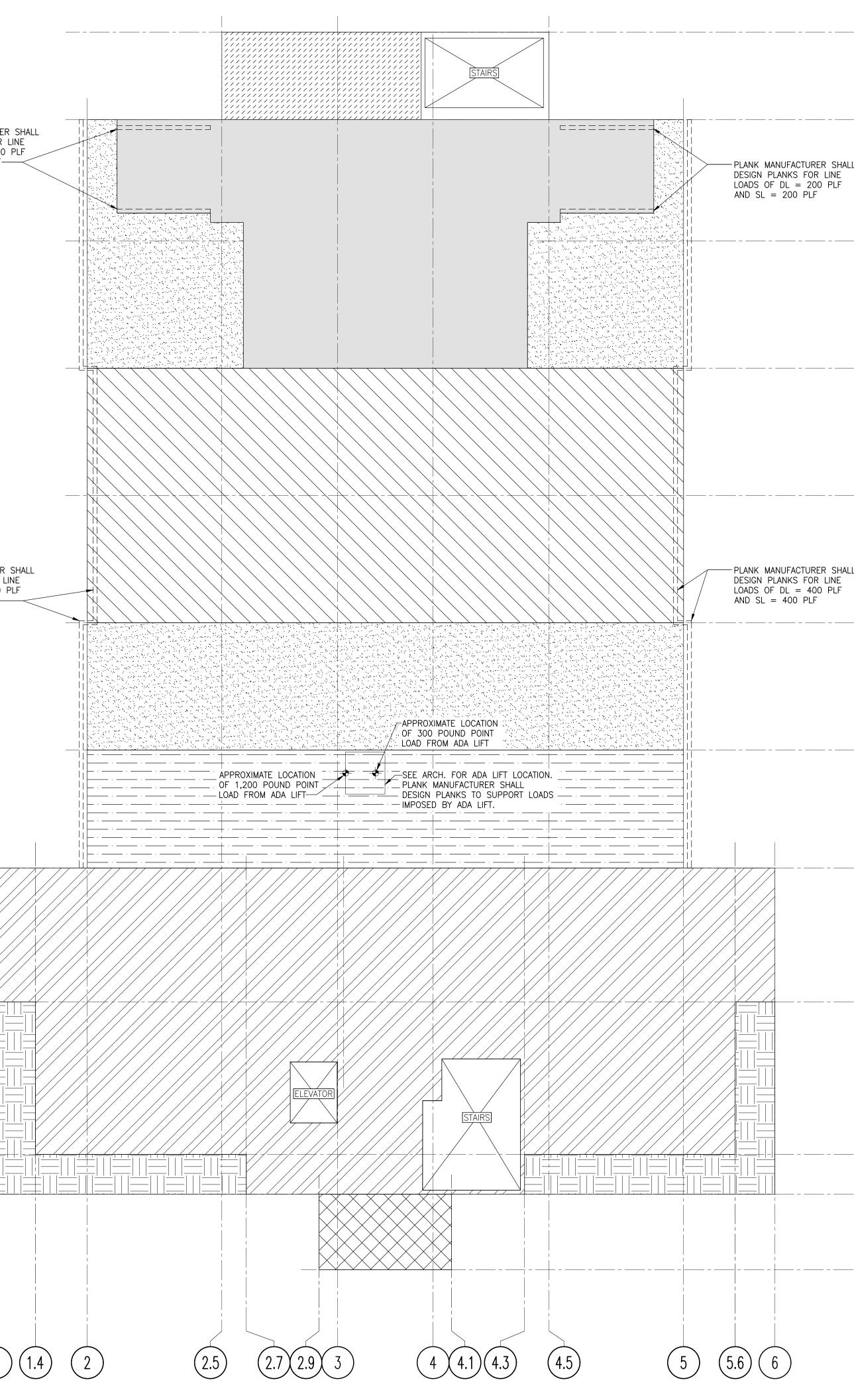
	Sullivan Architecture, p.c.
	31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
	Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
	Structural Engineering: Conlon Engineering, LLC Structural Engineers 246 Federal Rd, Suite B23
	Brookfield, CT 06804 203.740.0990
SECOND FLOOR FRAMING PLAN	Date Issue 01.15.21 ISSUED FOR BID
<ul> <li>1/8" = 1'-0"</li> <li>DO NOT SCALE THIS PLAN. SEE ARCH. FOR ALL DIMENSIONS AND ELEVATIONS.</li> <li>ROOF DECKING SHALL BE 1-1/2" TYPE B STEEL ROOF DECK (22 GAGE) WITH 5/8" PLYWOOD SHEATHING ON TOP.</li> <li>LEGEND</li> </ul>	
<ul> <li>INDICATES DOWNSLOPE DIRECTION OF SLOPING MEMBERS.</li> <li>INDICATES CMU SHEAR WALL, SEE "TYPICAL CONCRETE MASONRY WALL REINFORCEMENT DETAIL".</li> <li>[]] INDICATES COLD FORMED STEEL BEARING WALL ABOVE.</li> <li>COLD FORMED STEEL STUD EXTERIOR WALL CONSTRUCTION SHALL BE 600S162–54 STUDS AT 16"o.c. U.O.N. AT 12" EXTERIOR WALLS STUDS SHALL BE 1200S162–54 AT 16"o.c.</li> <li>"R-1" INDICATES 600S162–54 RAFTERS AT 16" o.c.</li> <li>"R-2" INDICATES 1000S162–54 RAFTERS AT 16" o.c.</li> <li>"R-3" INDICATES 1200S162–54 RAFTERS AT 16" o.c.</li> <li>"2J-1" INDICATES 1000S162–97 FLOOR JOISTS AT 16"o.c. SUPPORTING 9/16" STEEL FORM DECK WITH A 3" TOTAL</li> </ul>	
<ul> <li>THICKNESS NW CONCRETE SLAB ON METAL DECK REINFORCED WITH 6x6-W1.4xW1.4 WELDED WIRE FABRIC.</li> <li>"2J-2" INDICATES HAMBRO MD200 COMPOSITE FLOOR SYSTEM WITH 14" JOISTS AT 4'-O"o.c. AND A 4-1/2" TOTAL THICKNESS NW CONCRETE SLAB ON METAL DECK REINFORCED WITH 6x6-W1.4xW1.4 WELDED WIRE FABRIC.</li> <li>"CJ-1" INDICATES 600S162-54 CEILING JOISTS AT 16"o.c.</li> </ul>	Project Title Bedford
<ul> <li>"8-PCHP" INDICATES 8" PRECAST CONCRETE HOLLOW PLANKS WITH 2" NW CONCRETE TOPPING SLAB. TOPPING SLAB SHALL BE REINFORCED WITH 6x6-W1.4xW1.4 WELDED WIRE FABRIC.</li> <li>"10-PCHP" INDICATES 10" PRECAST CONCRETE HOLLOW PLANKS WITH 2" NW CONCRETE TOPPING SLAB. TOPPING SLAB SHALL BE REINFORCED WITH 6x6-W1.4xW1.4 WELDED WIRE FABRIC.</li> </ul>	Fire Headquarters 550 Old Post Road Bedford, NY 10506
<ul> <li>"HDA" INDICATES HOLDOWN FROM COLD FORMED STEEL BRACED WALL ABOVE, SEE S3.1.</li> <li>Implicates bearing plate, see 5/S4.0.</li> <li>"CJ" INDICATES APPROXIMATE LOCATION OF VERTICAL CONTROL JOINT IN CMU WALL, SEE 1/S4.0 AND S5.0 FOR DETAILS AND REQUIREMENTS. CONTROL JOINTS SHALL BE EQUALLY SPACED ALONG LENGTH OF WALL NOTE CONTROL JOINTS AT WALL CORNERS AND INTERSECTIONS ARE NOT SHOWN.</li> </ul>	Drawing Title SECOND FLOOR AND MEZZANINE FRAMING PLANS
NOTE "A" APPROXIMATE LOCATION OF TIEBACK BRACKET SUPPORT FOR ADA LIFT. SPECIALTY ENGINEER TO PROVIDE DESIGN OF BUILT UP COLD FORMED STEEL POST TO UNDERSIDE OF ROOF TRUSSES. PROVIDE BLOCKING AND CONNECTION DESIGN FOR CONNECTION BETWEEN ROOF TRUSSES. HORIZONTAL TIEBACK FORCE IS LOCATED AT HEIGHT OF 6'-7 7/8" ABOVE SECOND FLOOR LOW SLAB WITH A VALUE OF 368 POUNDS (SERVICE LEVEL LOAD).	Project No.19105Date03-25-2020ScaleAS NOTEDDrawing byMAJ / JV
NOTE "B" BEAM TO SUPPORT (1) OSHA FALL PROTECTION SYSTEM TIE-OFF DESIGNED BY THE CONTRACTOR.	Checked by PJC Drawing No. S1.1 ©2020 Sullivan Architecture

PLANK MANUFACTURER SHALL DESIGN PLANKS FOR LINE LOADS OF DL = 200 PLF AND SL = 200 PLF

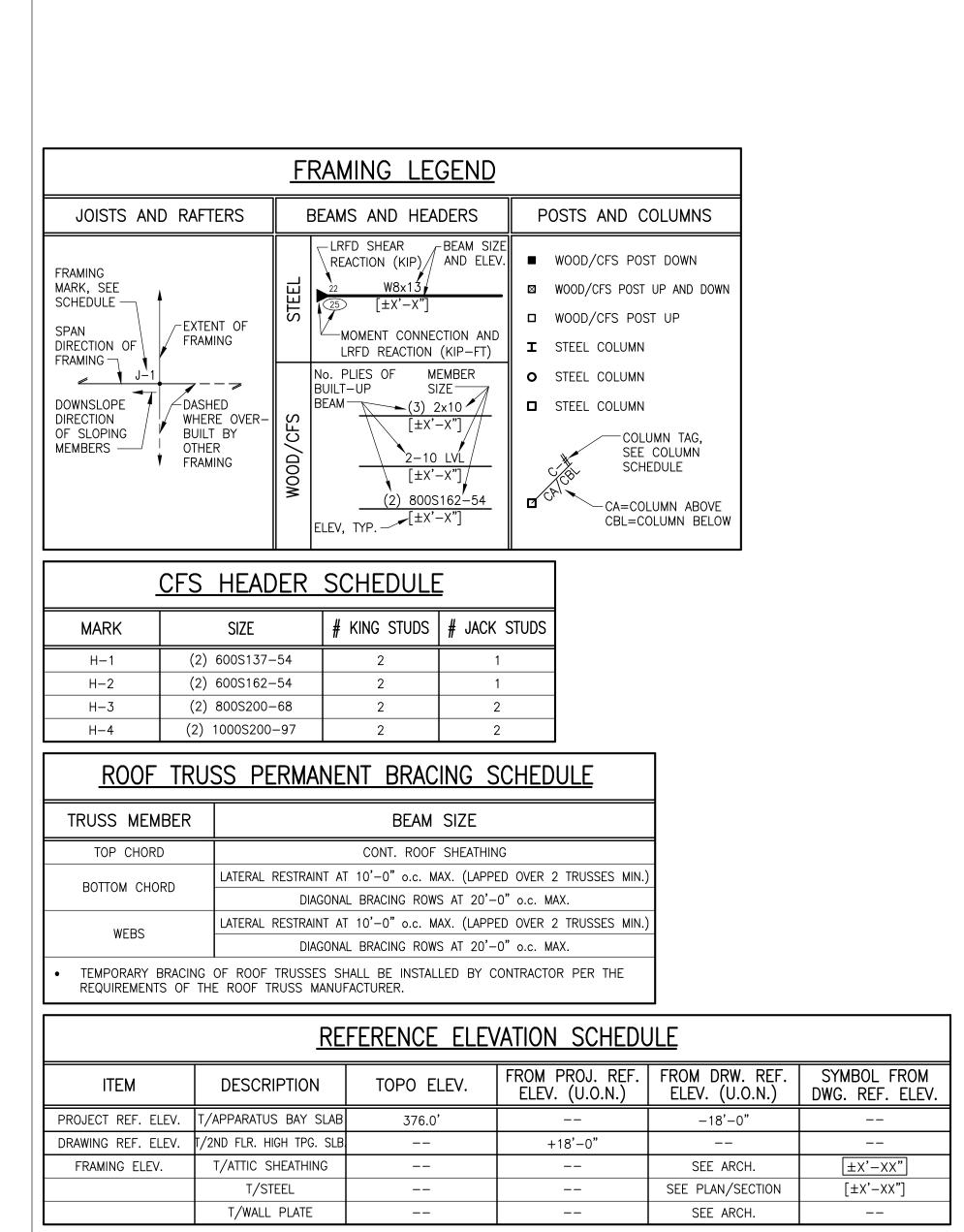
	SECOND FLOOR LOADING SCHEDULE						
HATCH	PLANK + TOPPING DL	BAR JOIST + SOMD DL	SDL (PSF)	TOTAL DL (PSF)	LL (PSF)		
$\sum \sum$	96		14	110	100		
				30	0		
		53	7	60	80		
			-	25	100		
	85		15	100	80		
	96		14	110	125		
	96		14	110	80		
				65	80		

PLANK MANUFACTURER SHAL DESIGN PLANKS FOR LINE LOADS OF DL = 400 PLF AND SL = 400 PLF

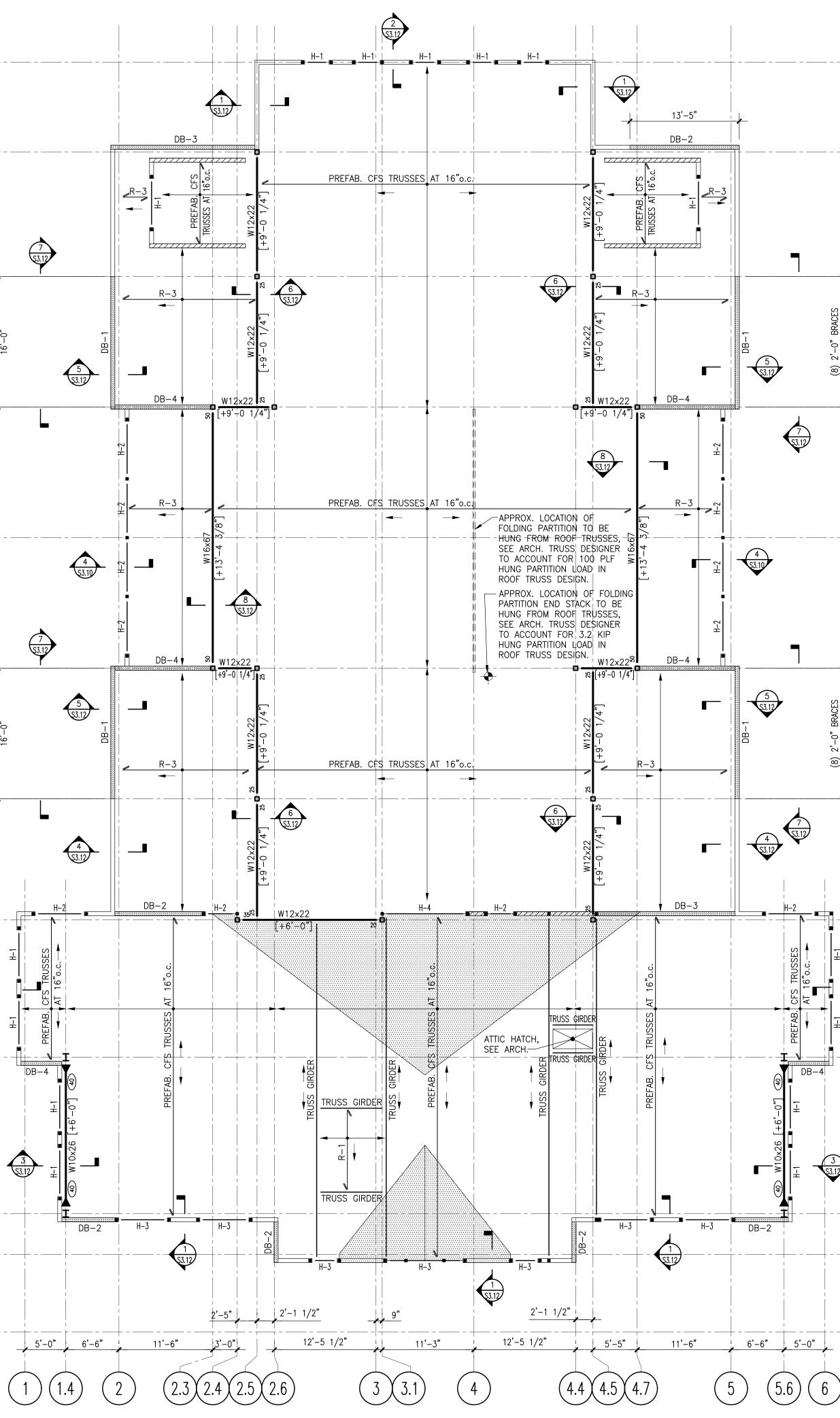
NOTE: SEE S1.1 FOR LOCATIONS OF HOLDOWNS FROM THE COLD FORMED STEEL BRACED WALLS ABOVE. ELEMENTS SUPPORTING HOLDOWNS SHALL BE CAPABLE OF WITHSTANDING THE ENTIRE CAPACITY OF THE SIMPSON HOLDOWN SPECIFIED ON S3.1.

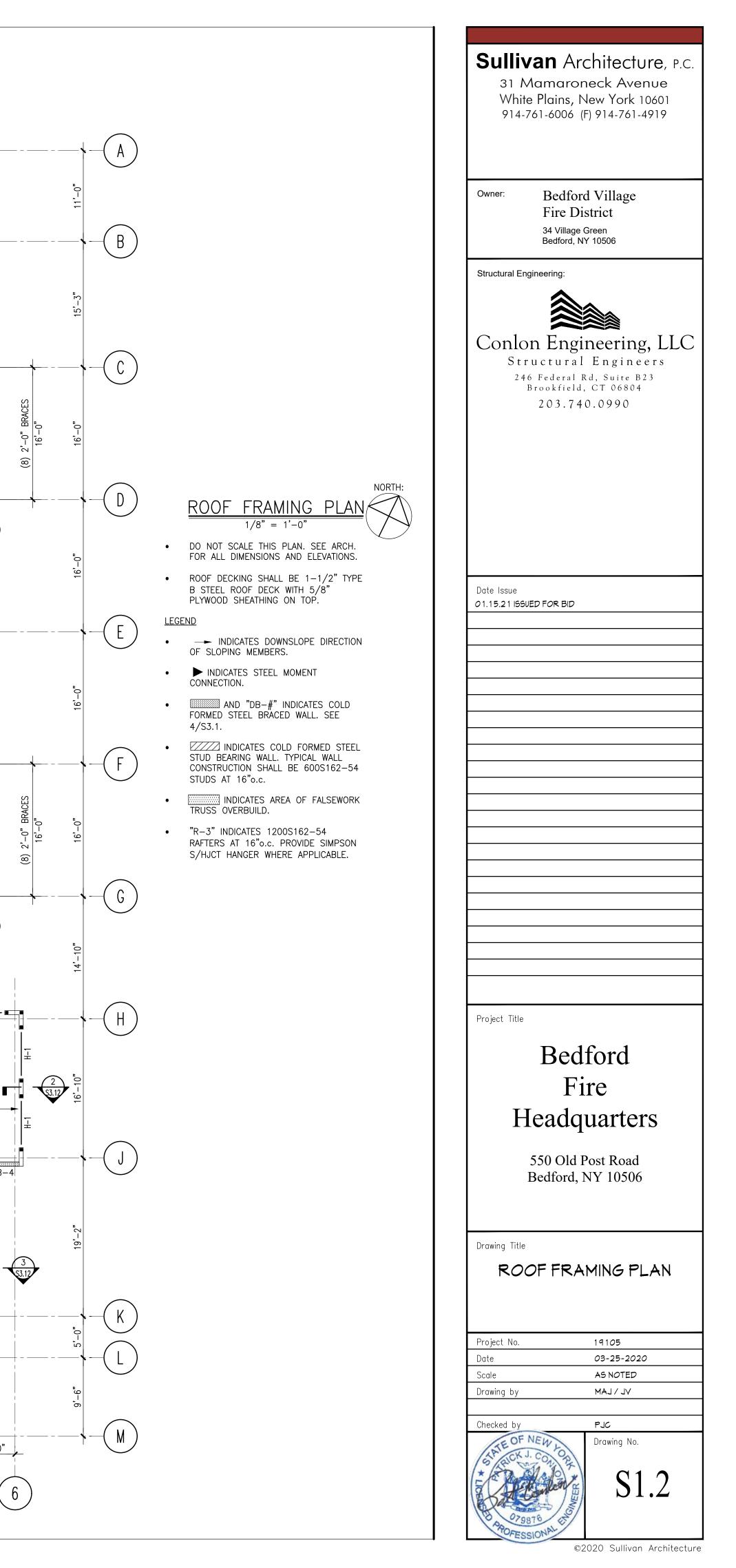


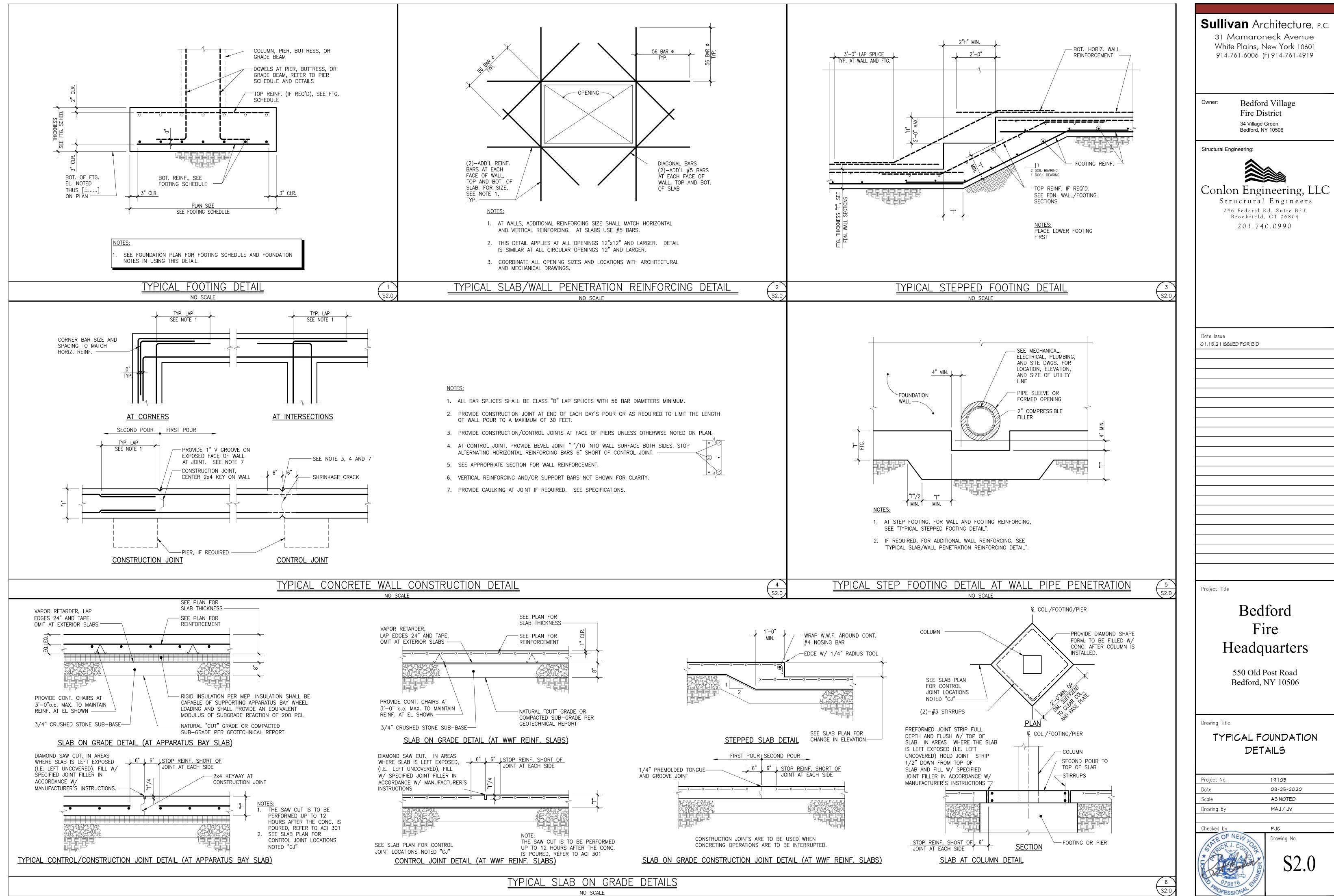
(A)	Sullivan Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
B	Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
C	Structural Engineering: Conlon Engineering, LLC Structural Engineers 246 Federal Rd, Suite B23 Brookfield, CT 06804
D	203.740.0990
(E)	Date Issue 01.15.21 ISSUED FOR BID
L F	
G	
(H)	Project Title
	Bedford Fire Headquarters 550 Old Post Road Bedford, NY 10506
K L	Drawing Title SECOND FLOOR LOADING PLAN
	Project No.         19105           Date         03-25-2020           Scale         1/8"=1'-0"

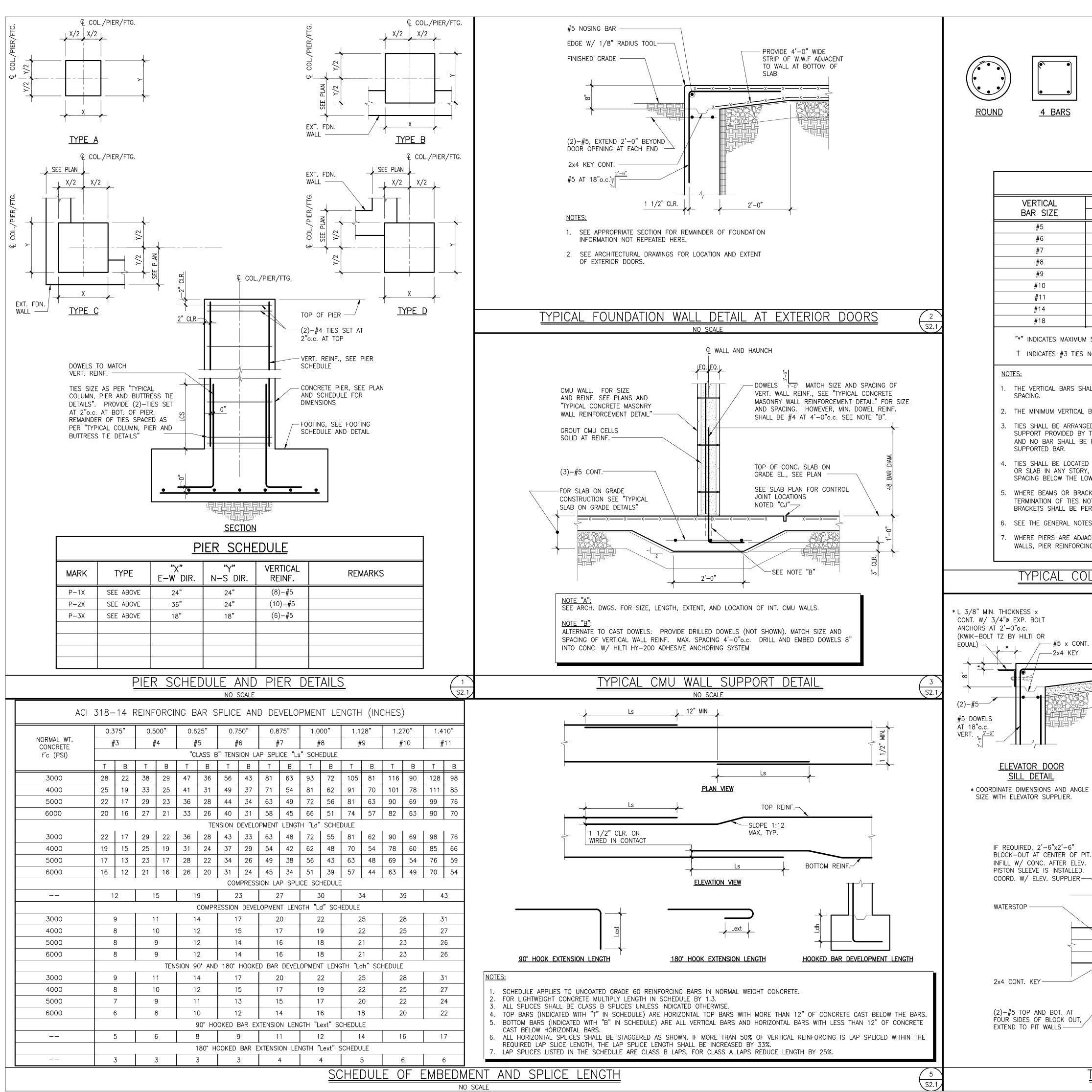


2 \$3.12









<u> 4 BARS</u>

VERTICAL

BAR SIZE

#5

#8

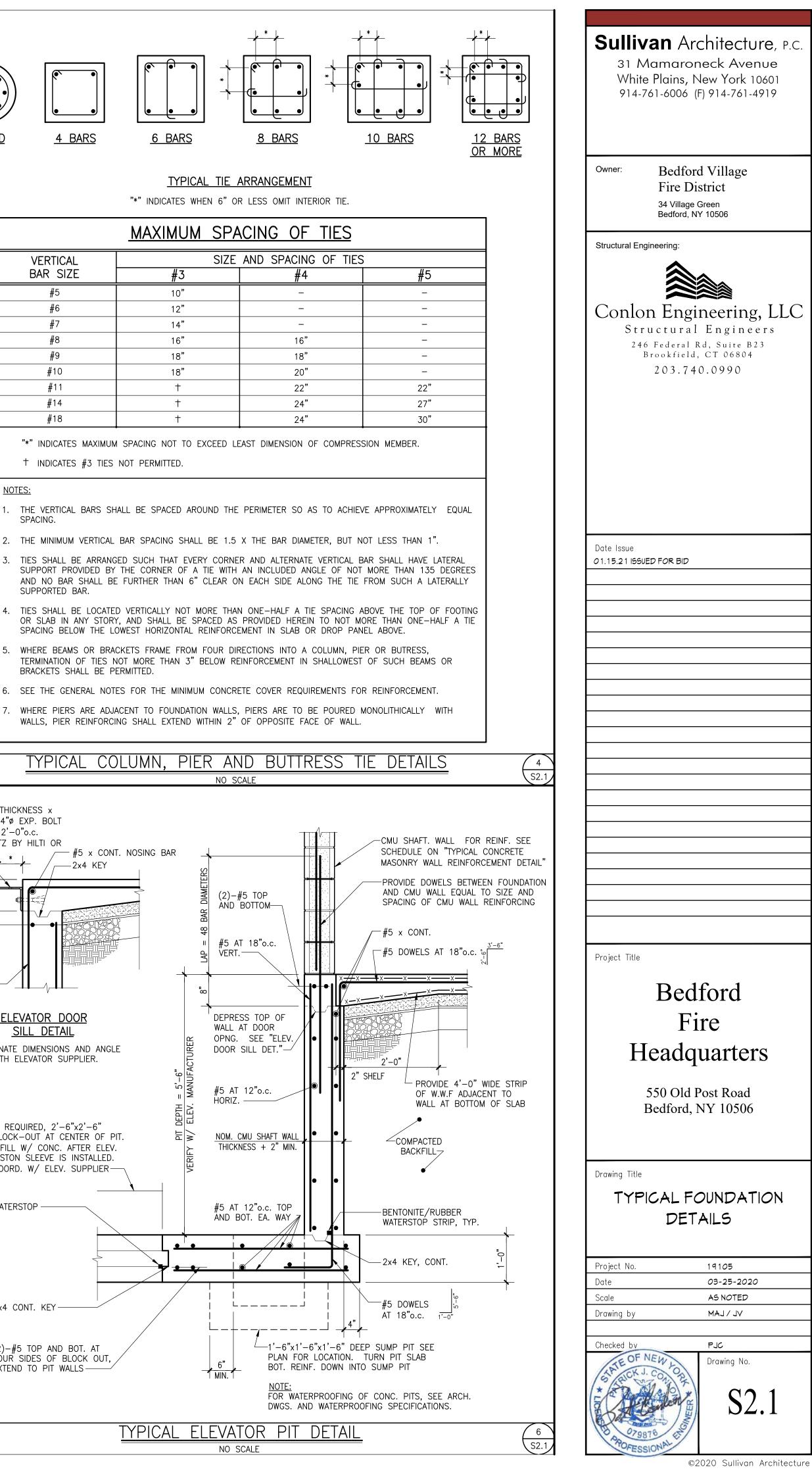
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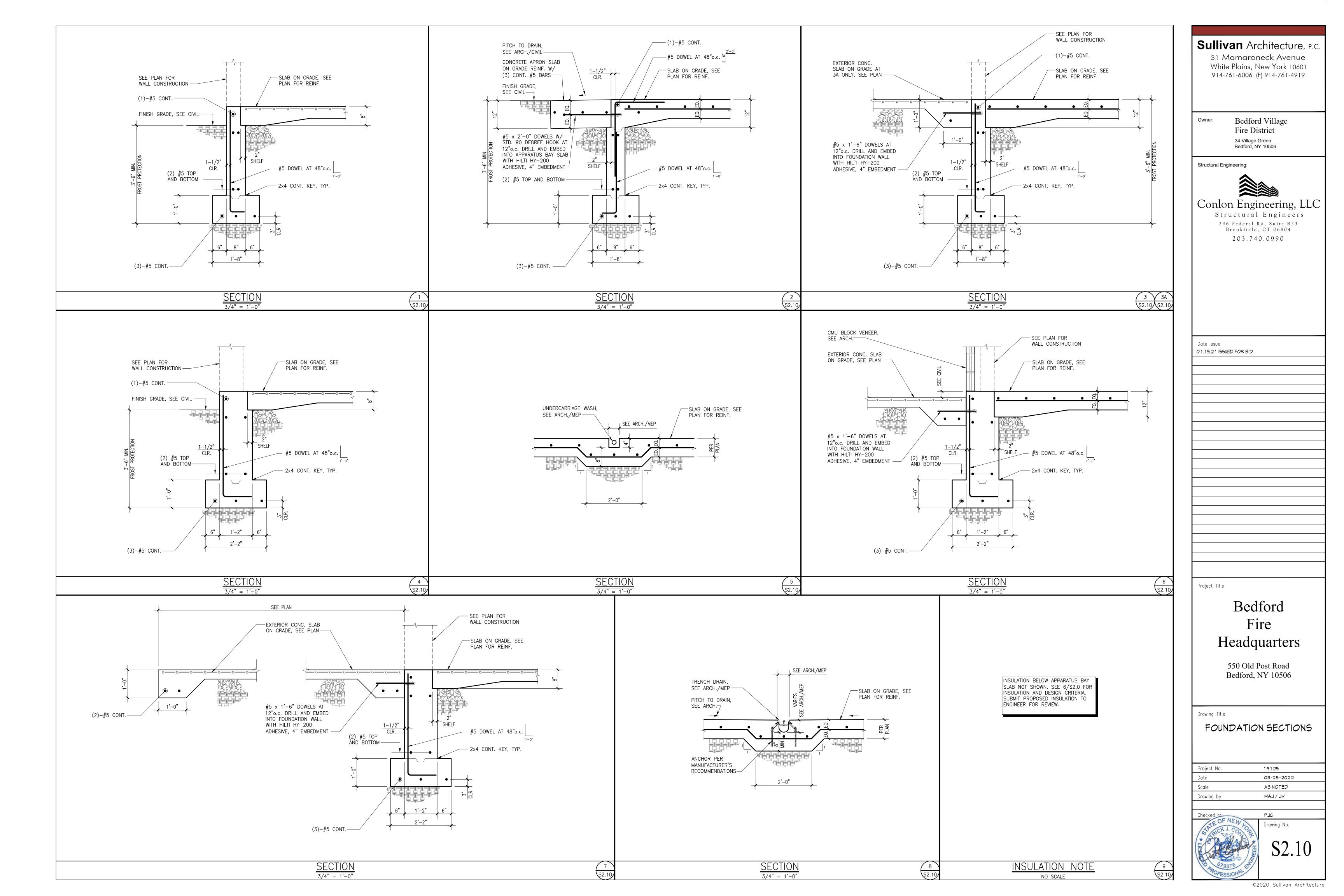
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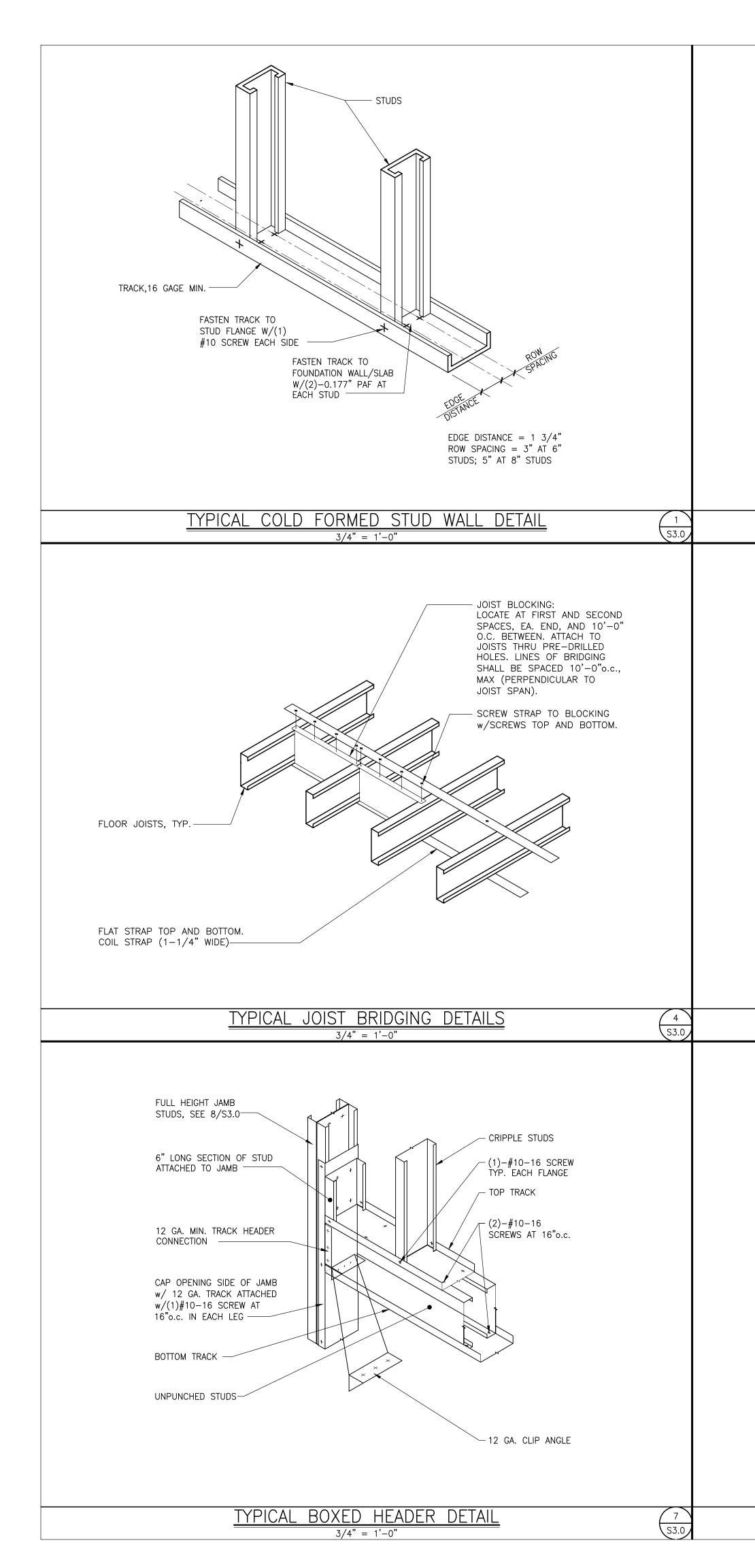
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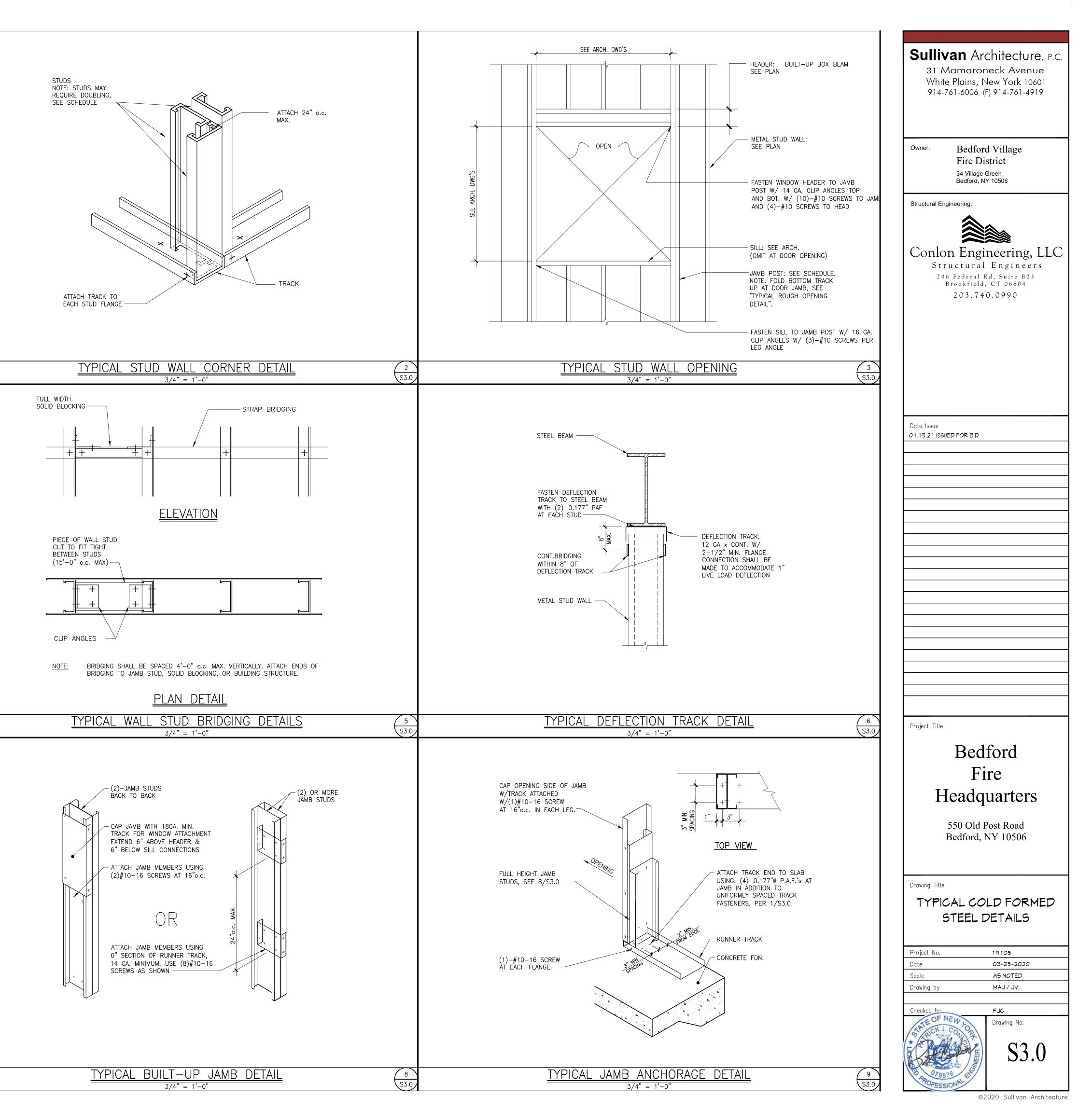
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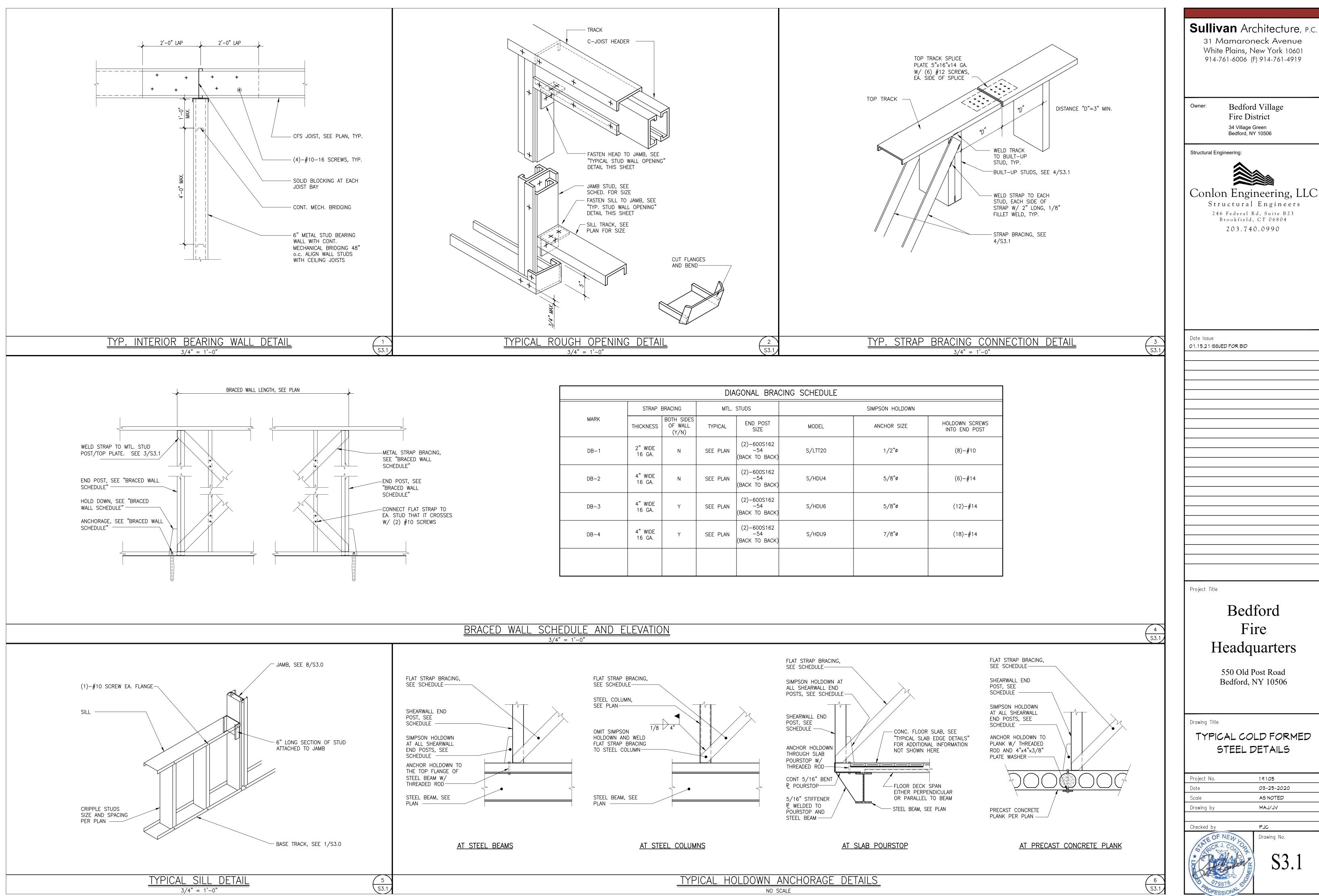
——2x4 KEY





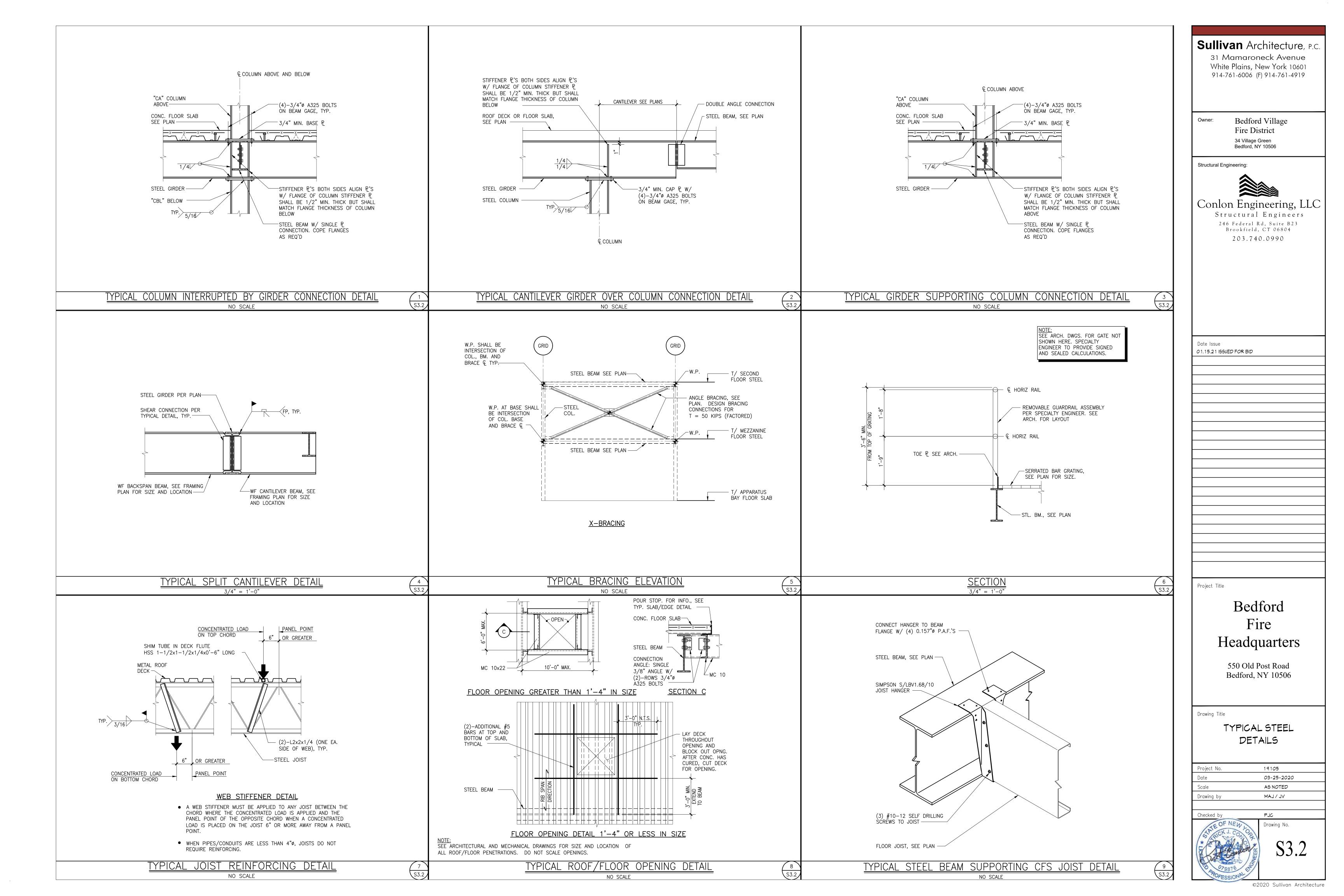


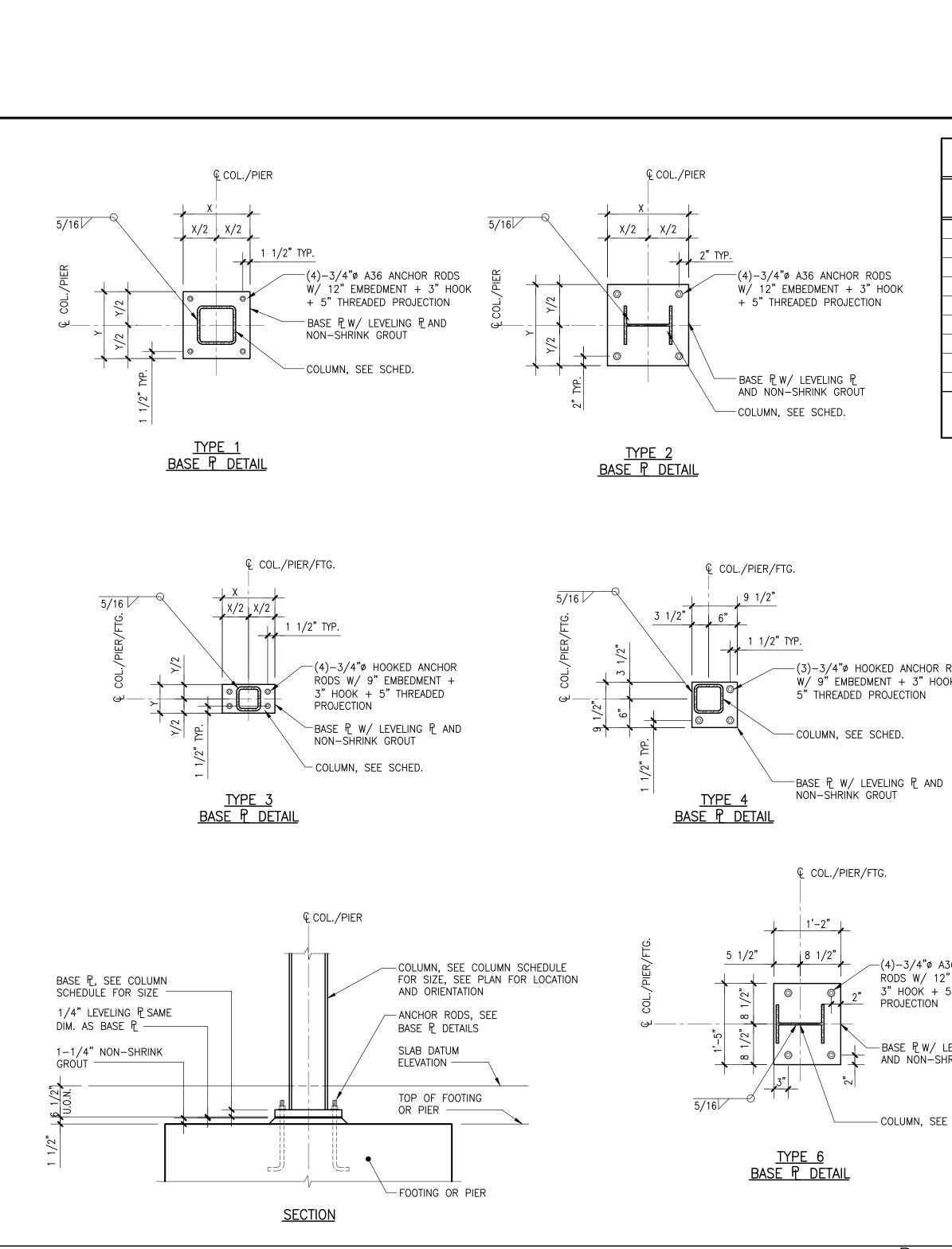




			DIA	GONAL BRA	CING SCHEDULE	
	STRAP	BRACING	MTL.	SIMPSON HOLDOWN		
MARK	THICKNESS	BOTH SIDES OF WALL (Y/N)	TYPICAL	END POST SIZE	MODEL	ANCHOR SIZE
DB-1	2"WIDE 16 GA.	N	SEE PLAN	(2)–600S162 –54 (BACK TO BACK)	S/LTT20	1/2"ø
DB-2	4" WIDE 16 GA.	N	SEE PLAN	(2)–600S162 –54 (BACK TO BACK)	S/HDU4	5/8"ø
DB-3	4" WIDE 16 GA.	Y	SEE PLAN	(2)-600S162 -54 (BACK TO BACK)	S/HDU6	5/8"ø
DB-4	4" WIDE 16 GA.	Y	SEE PLAN	(2)—600S162 —54 (BACK TO BACK)	S/HDU9	7/8"ø

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# STEEL COLUMN SCHEDULE AND BASE P DETAILS

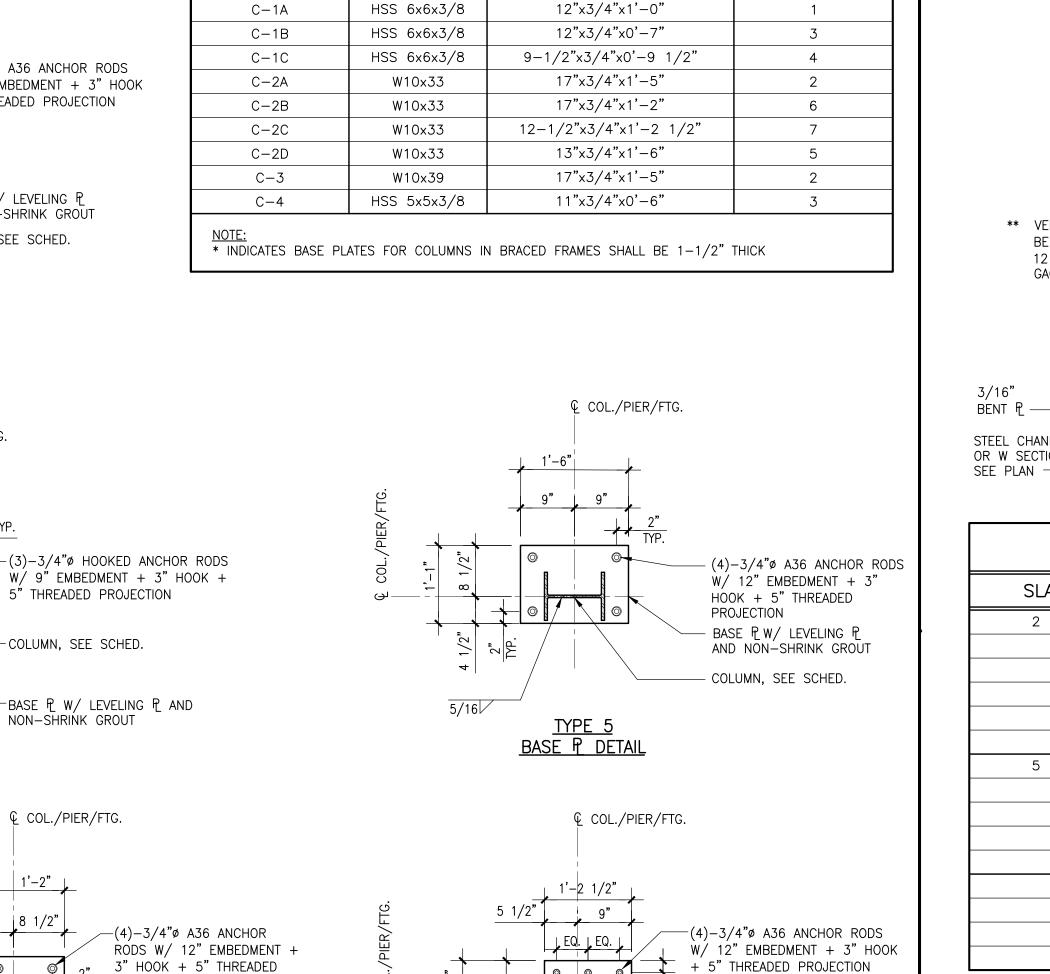
NO SCALE



PROJECTION

--BASE ₽W/ LEVELING ₽ AND NON-SHRINK GROUT

- COLUMN, SEE SCHED.



0 0

<u>TYPE\_7</u> BASE\_P\_DETAIL

4 |

5/16

BASE P.W/ LEVELING P. <u>2</u> AND NON-SHRINK GROUT

-COLUMN, SEE SCHED.

(1) (S3.3)

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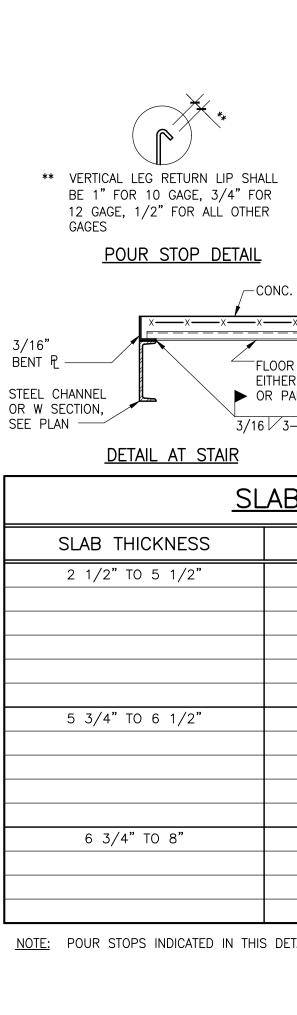
COLUMN SCHEDULE

SIZE

DESIGNATION

BASE PLATE SIZE ("X" DIM. x THICKNESS x "Y" DIM.)

BASE 🦻 TYPE



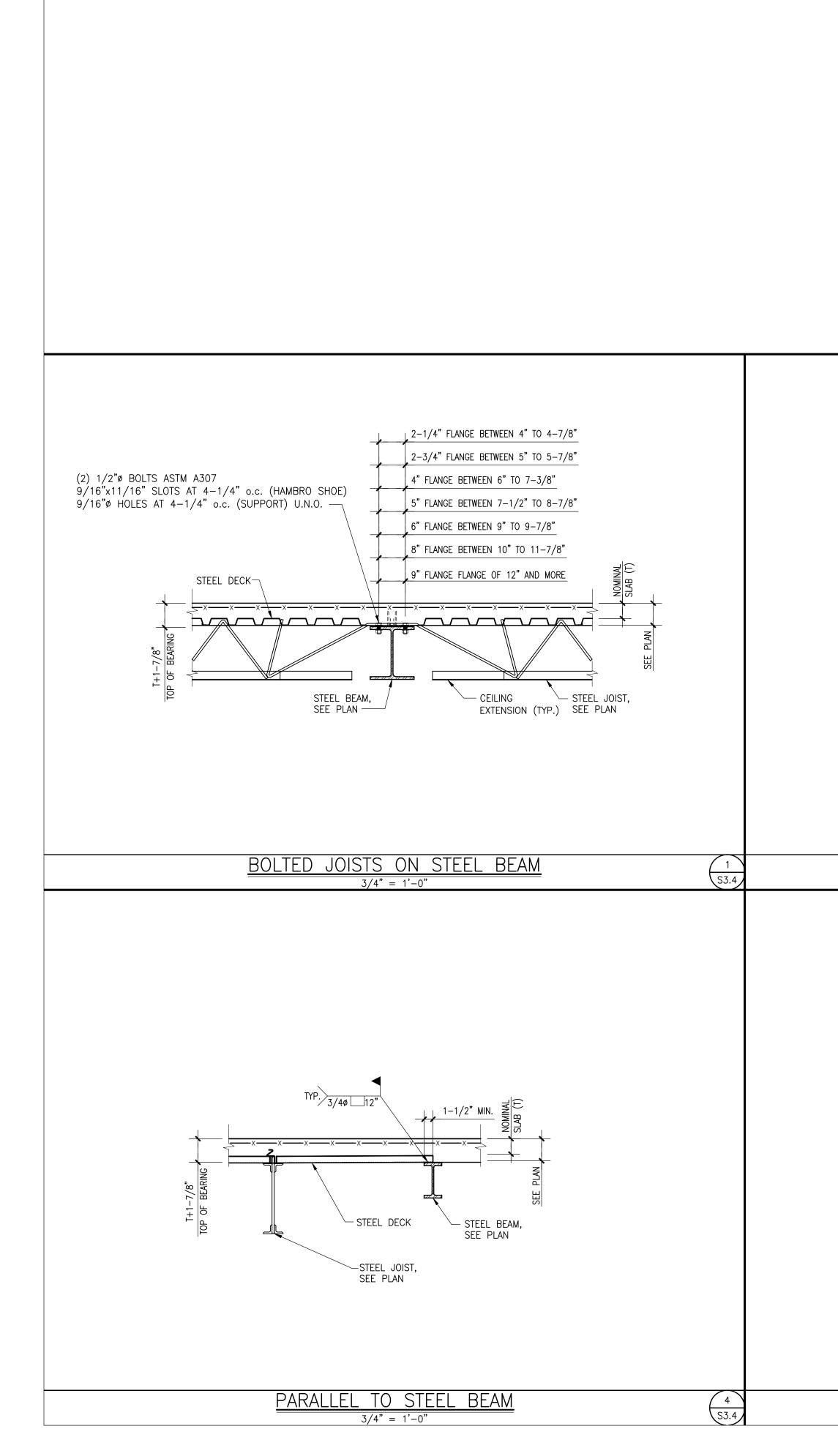
# TYPICAL SLAB EDGE DETAILS

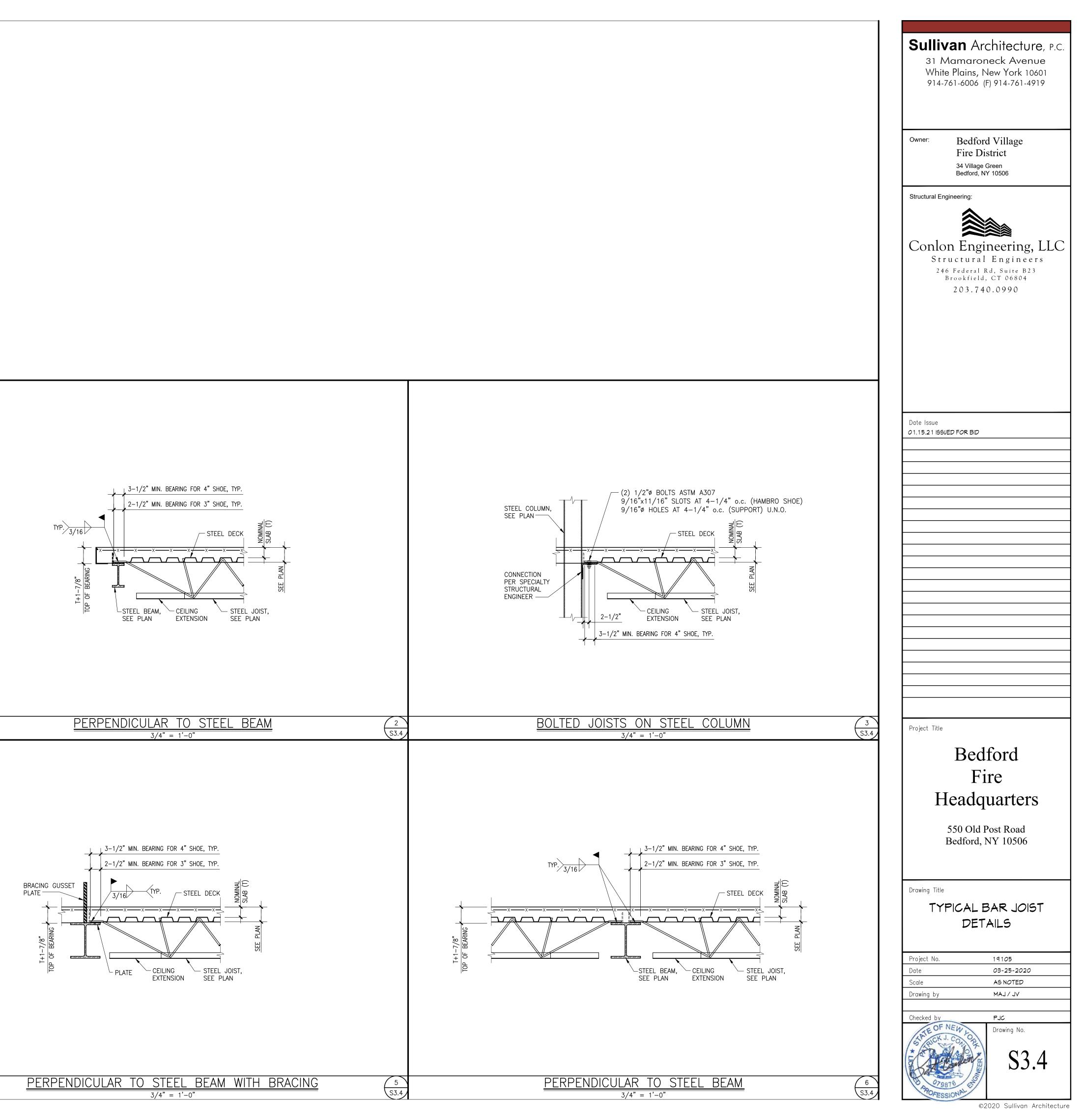
NO SCALE

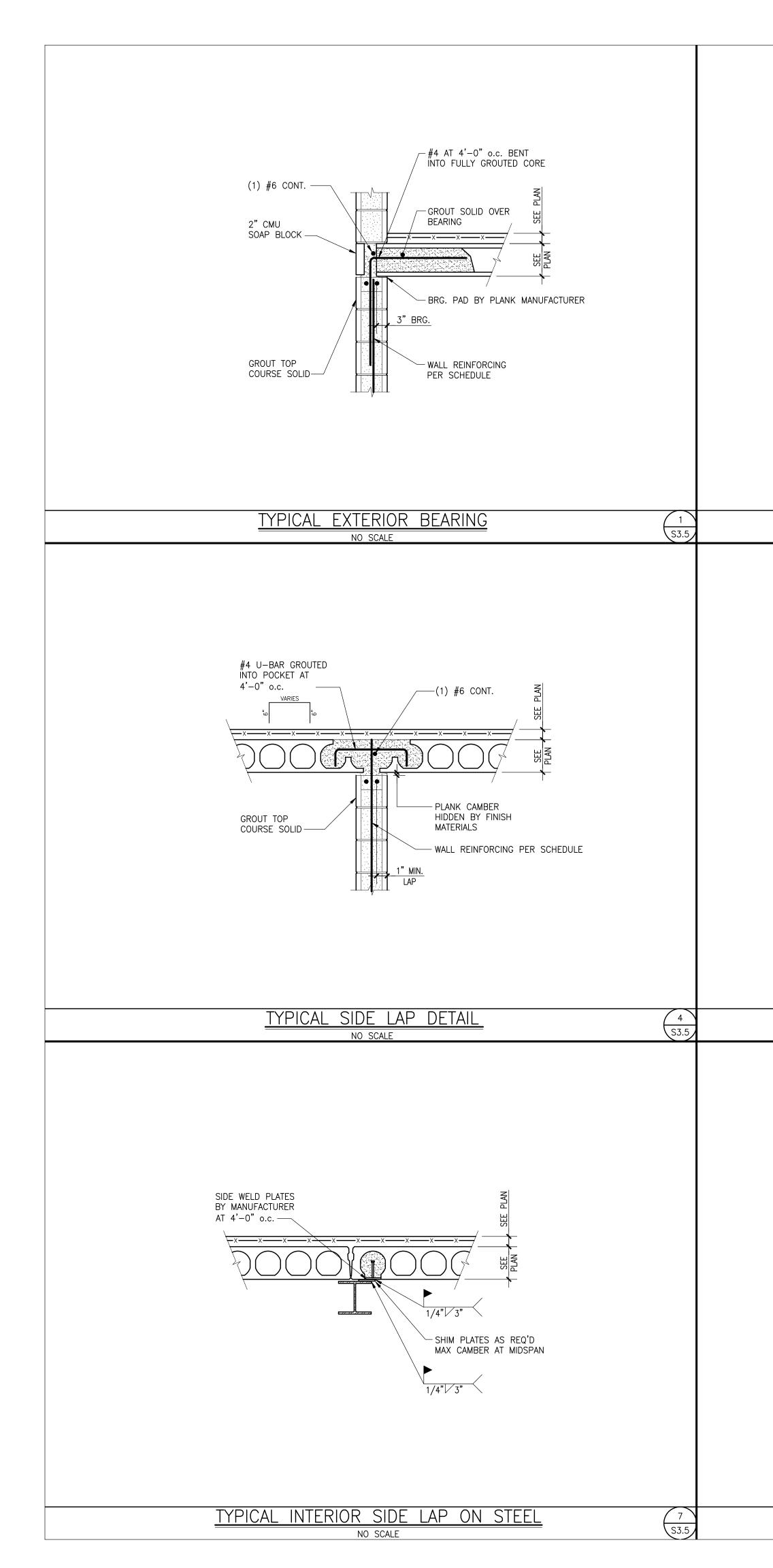
		Sulliv 31 M White
		914-7
		Owner:
		Structural Eng
		Conlos Str 246 E
		Date Issue 01.15.21 ISSUI
	Ҿ BEAM	
	SEE PLAN	
	A" 2" MIN. BRG. 1/2" EDGE OF DECK	
FOR GAGE POUR STOP * 2-12	FOR OVERHANG "A"	
FOR BENT P 1/4 3-12	GREATER THAN 6", ADD #4 AT 12" o.c. TOP	
CONC. FLOOR SLAB	CONC. FLOOR SLAB	
STOP DETAIL"		
POUR STOP, SEE CLOOR DECK SPAN "SLAB POUR	FLOOR DECK SPAN	
CITHER PERPENDICULAR STOP SCHEDULE" —	EITHER PERPENDICULAR OR PARALLEL TO BEAM	
5 / 3-12	STEEL BEAM, SEE PLAN	
* MATCH WELD TO GAGE.	DGE DETAIL	
AB POUR STOP SCHEDU	JLE	
"A" DIMENSION (OVERHANG)	POUR STOP	Project Title
0" UP TO 2"	18 GA.	
GREATER THAN 2", UP TO 4"	16 GA.	
GREATER THAN 4", UP TO 6" GREATER THAN 6", UP TO 9"	14 GA. 12 GA.	
GREATER THAN 9", UP TO 11"	10 GA.	H
GREATER THAN 11", UP TO 1'-4"	5/16" BENT PL 16 GA.	
O" UP TO 2" GREATER THAN 2", UP TO 4"	14 GA.	
GREATER THAN 4", UP TO 8"	12 GA.	
GREATER THAN 8", UP TO 10" GREATER THAN 10", UP TO 1'-4"	10 GA. 5/16" BENT PL	
0" UP TO 1"	14 GA.	
GREATER THAN 1", UP TO 5" GREATER THAN 5", UP TO 8"	12 GA. 10 GA.	Drawing Title
GREATER THAN 8", UP TO 1'-4"	5/16" BENT P	T
S DETAIL ARE TO BE USED UNLESS OTHERWISE DETA	ILED.	
		Project No.
		Date Scale
		Drawing by
		Checked by
		TATE OF
		S AUCK
		5 4

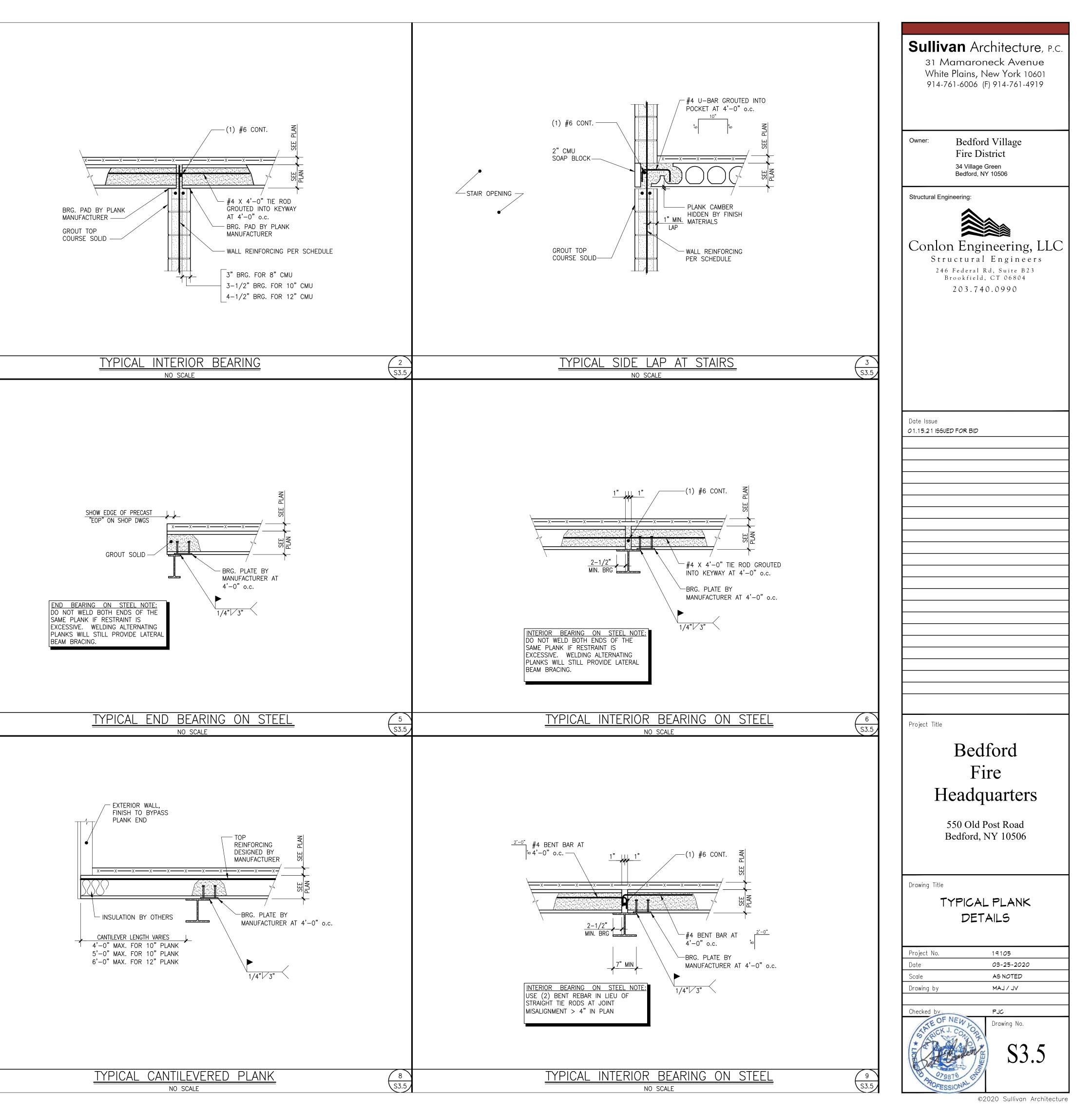
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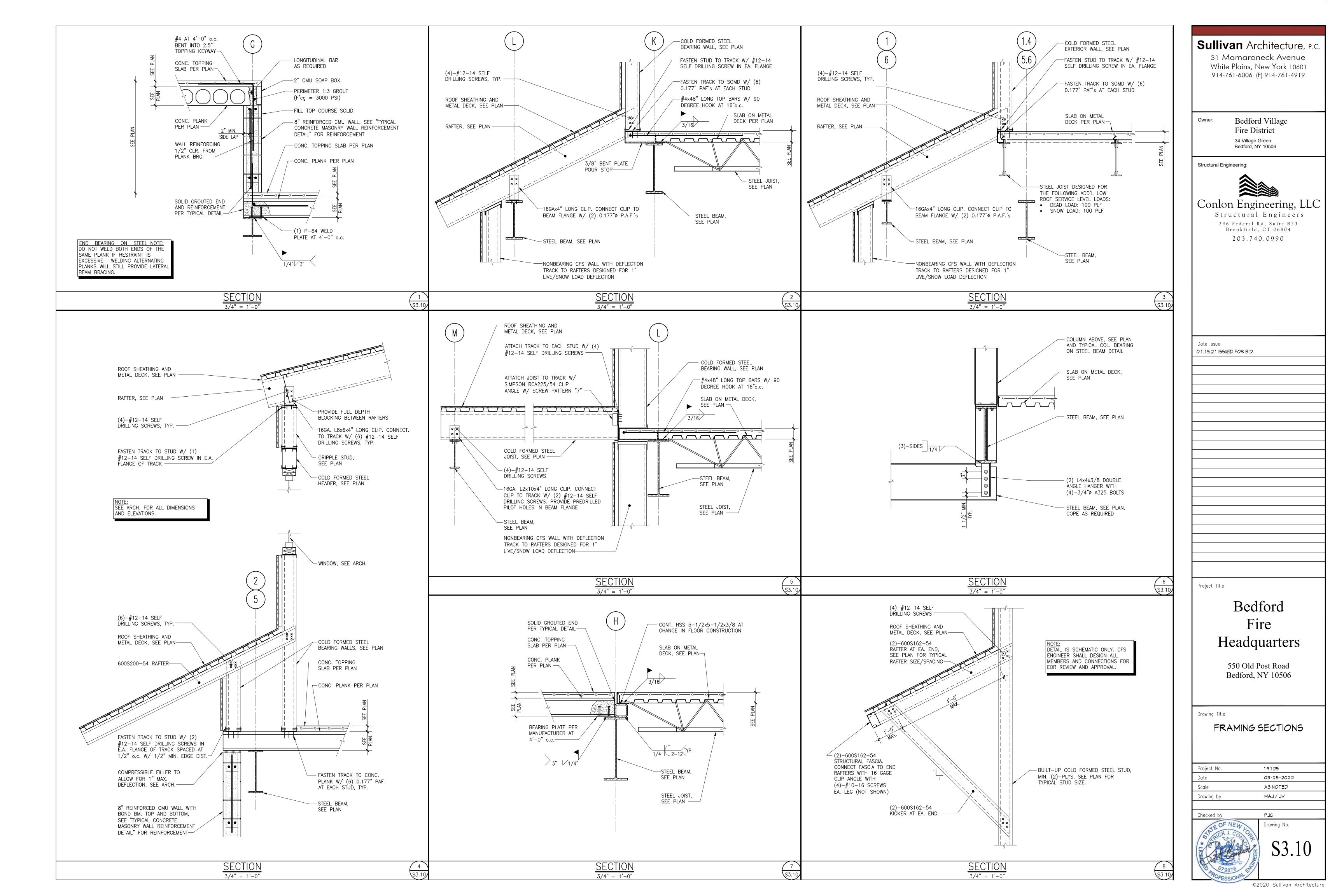
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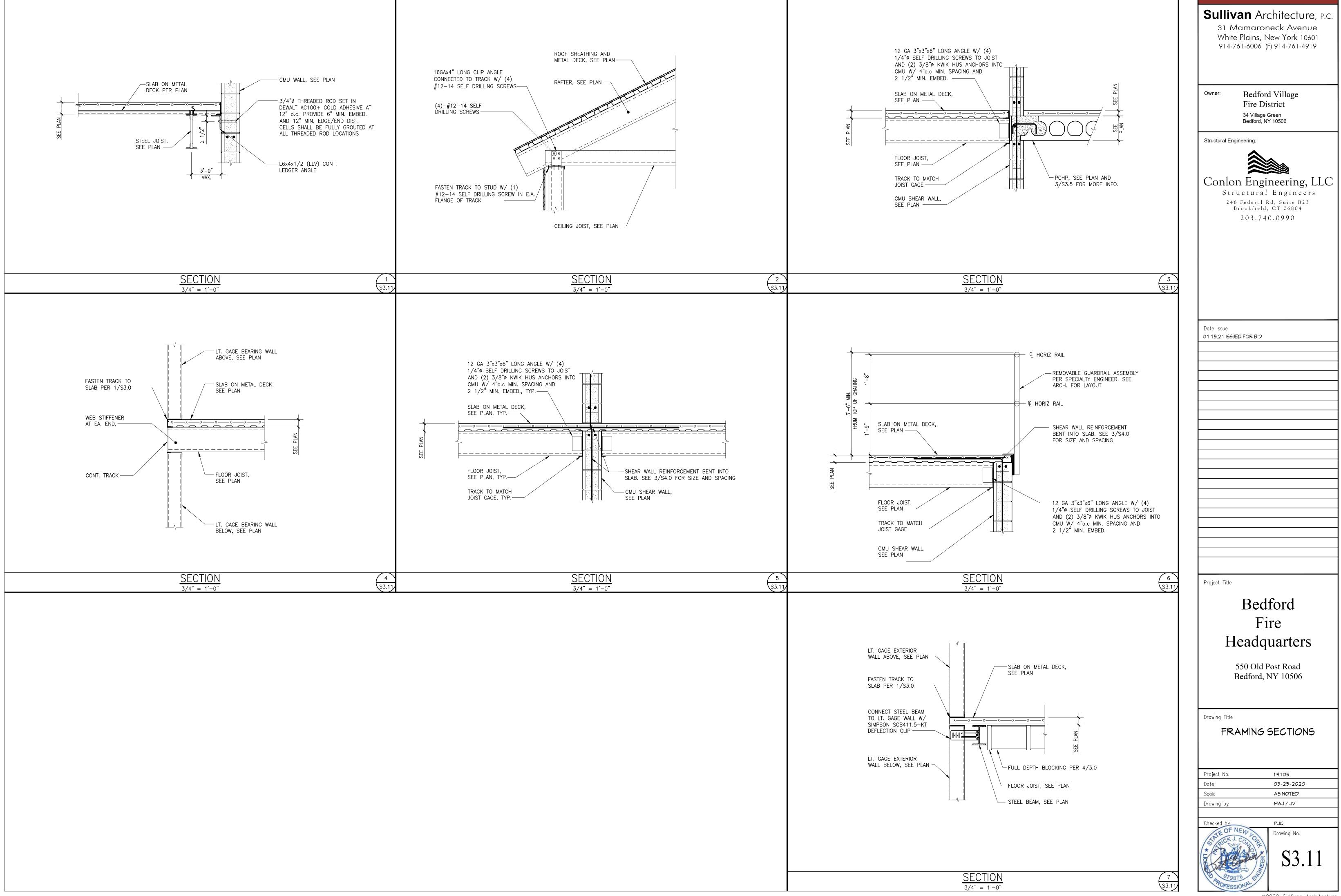


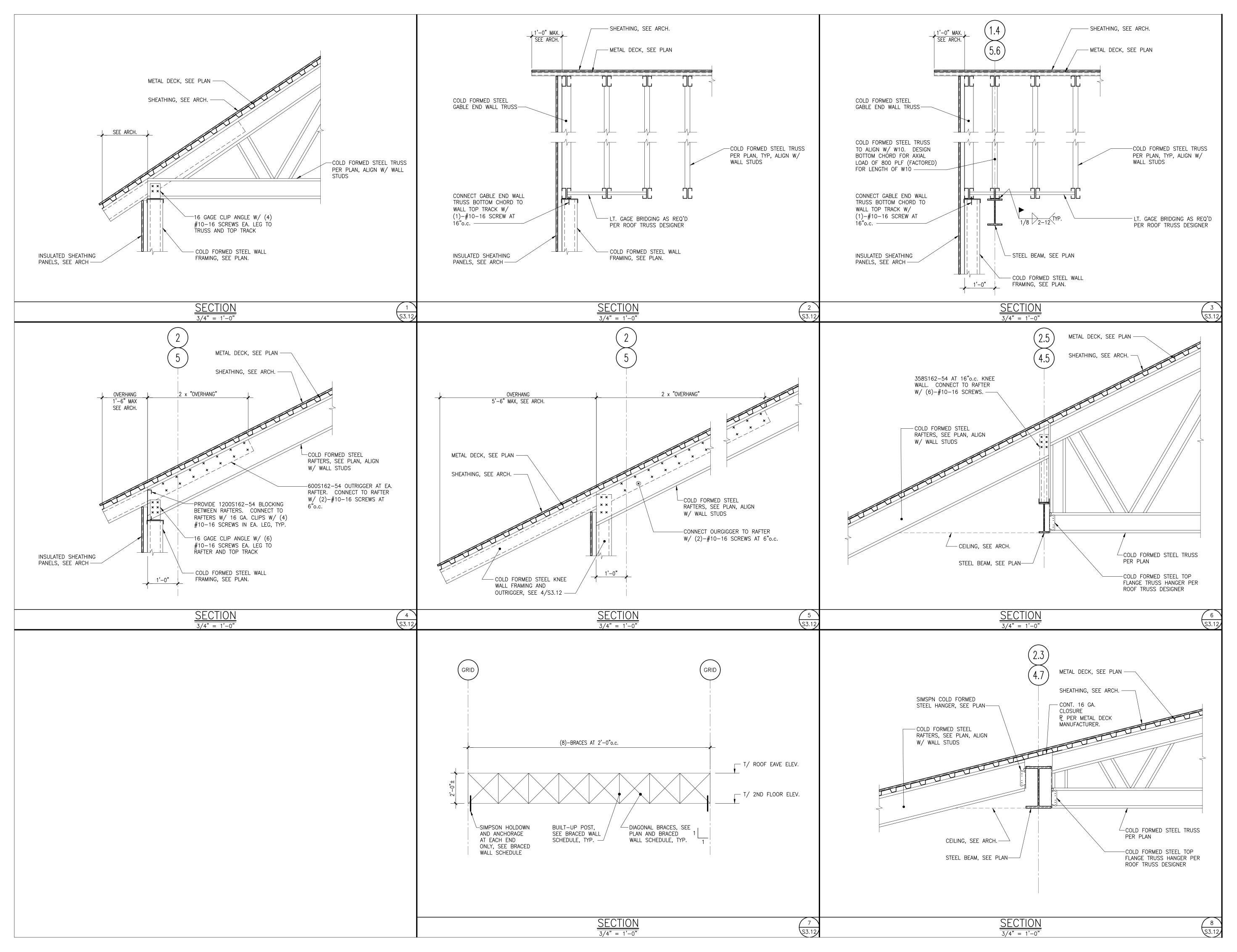




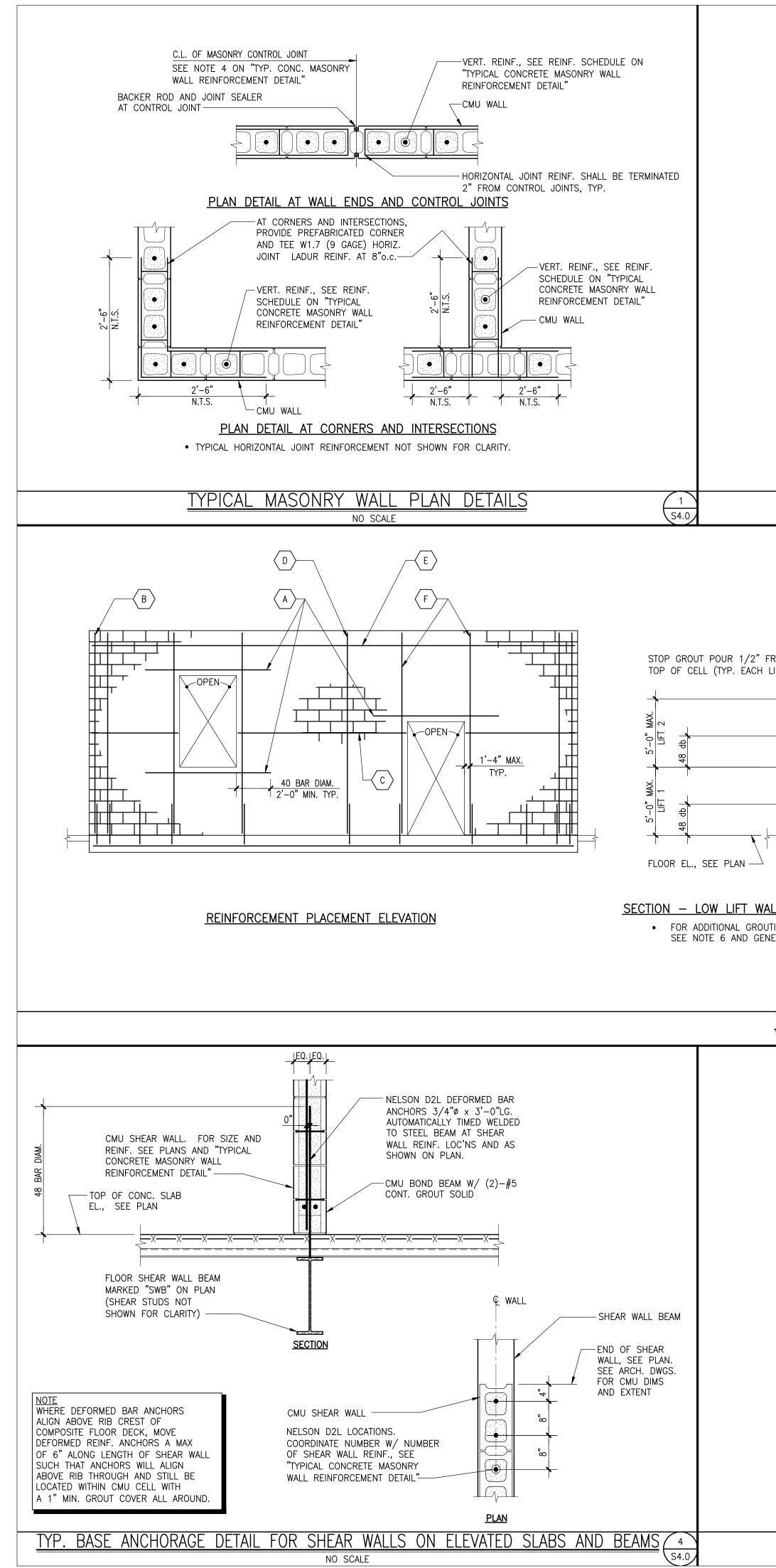


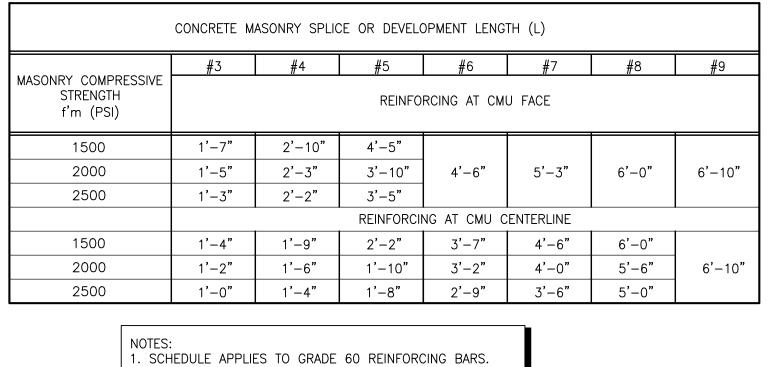


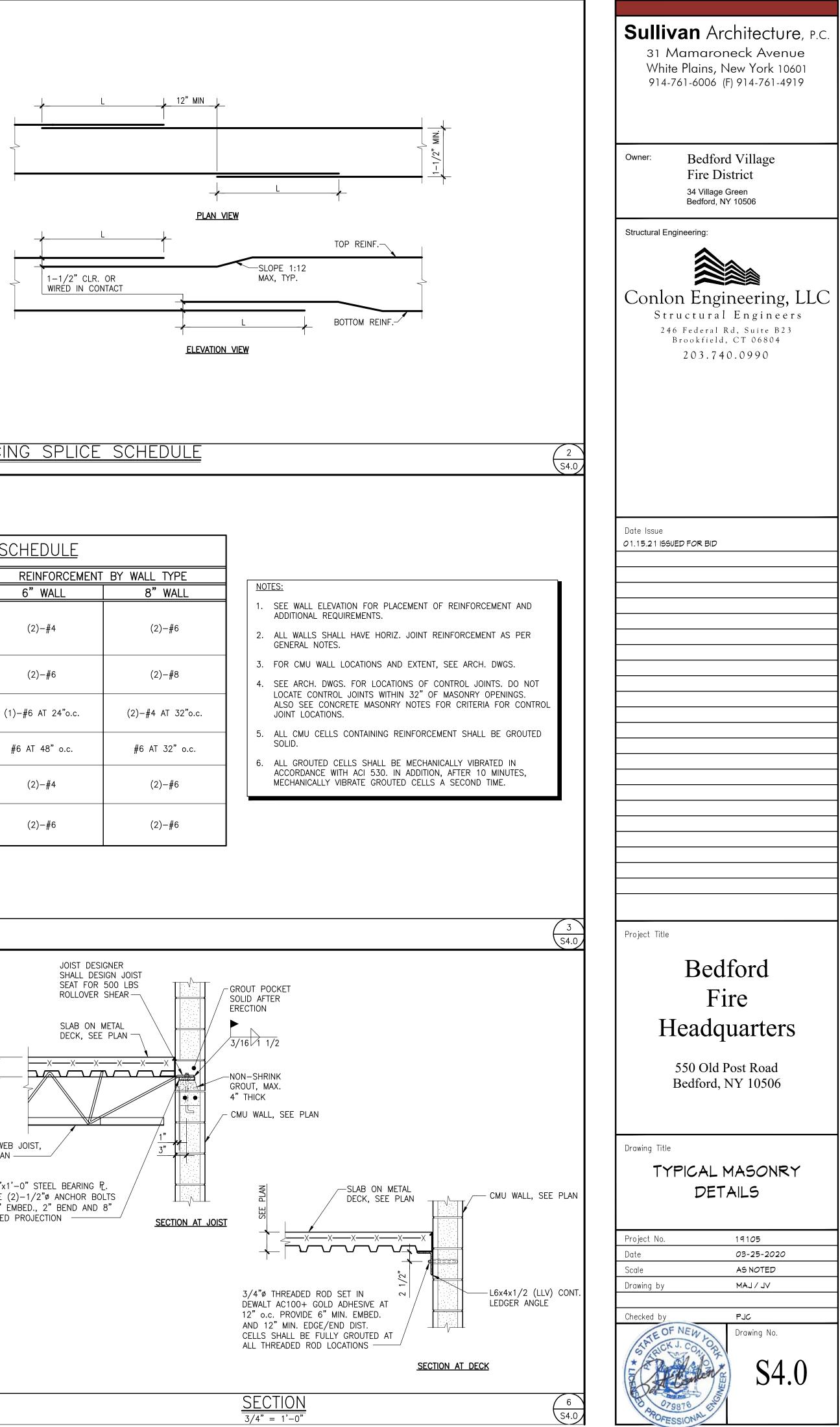




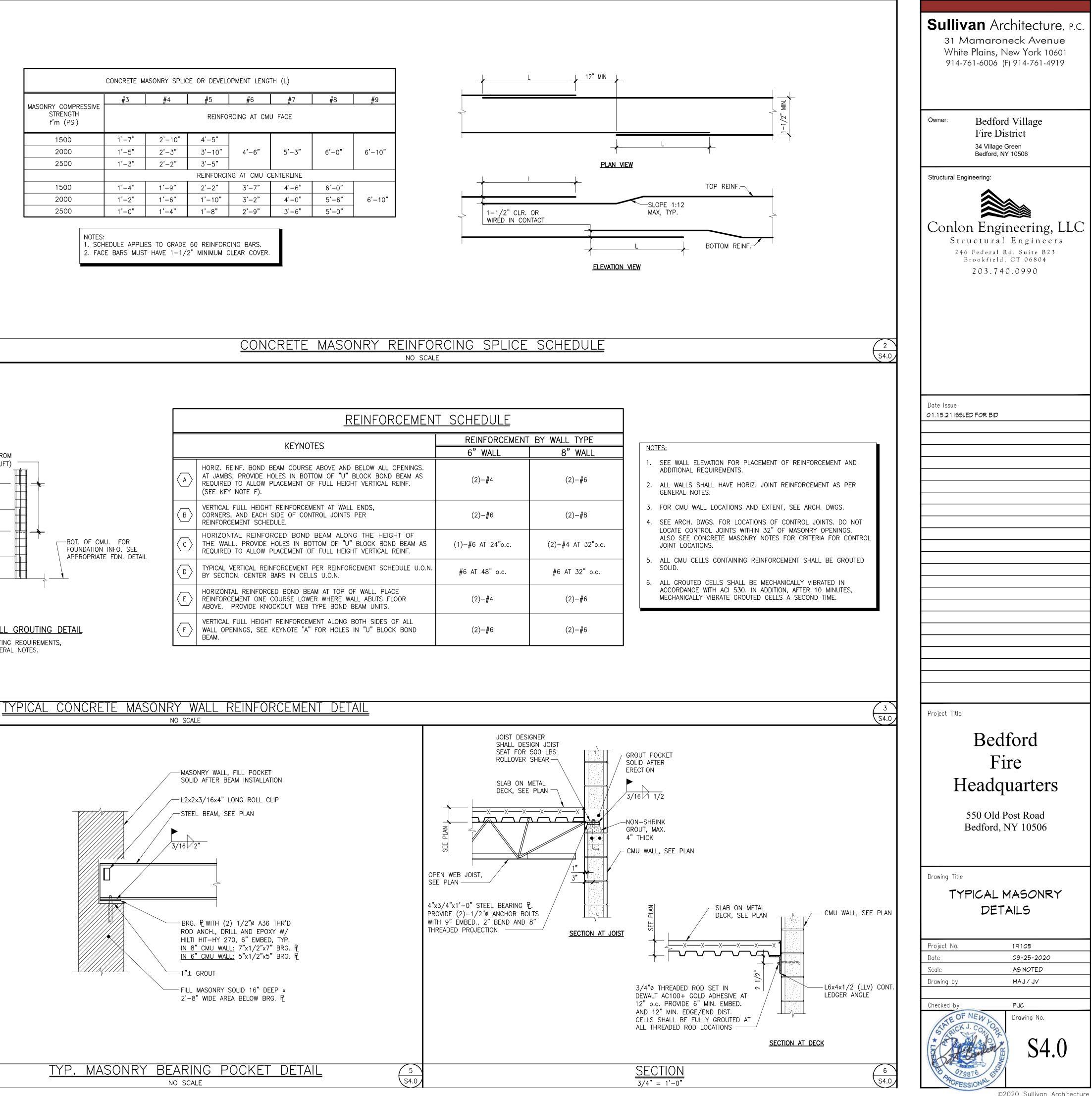
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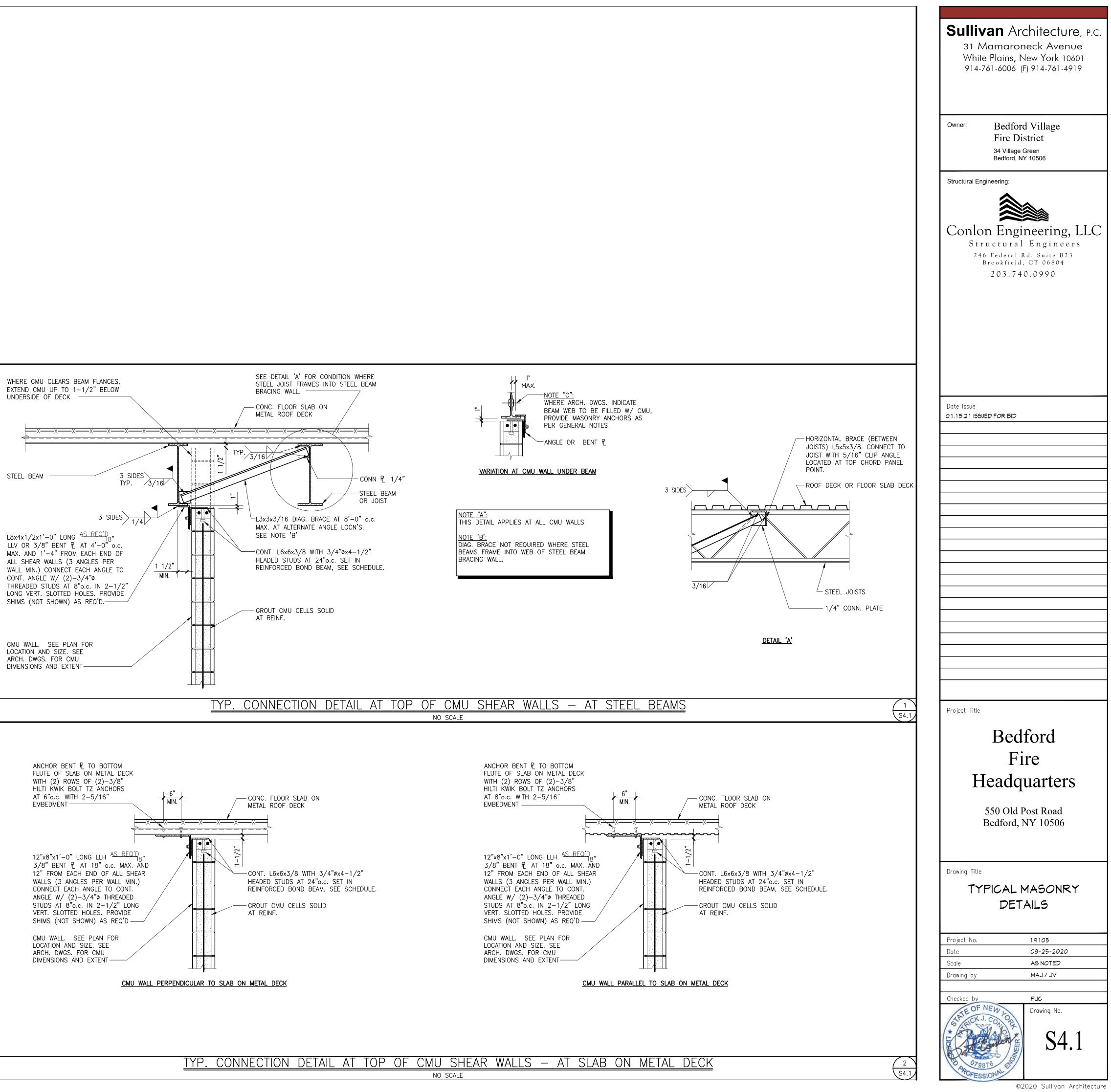
		REINFORCEMEN	<u>SCHEDULE</u>	
		KEYNOTES	REINFORCEMENT	BY WALL TYPE
FROM		KEYNOTES	6"WALL	8" WALL
		HORIZ. REINF. BOND BEAM COURSE ABOVE AND BELOW ALL OPENINGS. AT JAMBS, PROVIDE HOLES IN BOTTOM OF "U" BLOCK BOND BEAM AS REQUIRED TO ALLOW PLACEMENT OF FULL HEIGHT VERTICAL REINF. (SEE KEY NOTE F).	(2)-#4	(2)-#6
	B	VERTICAL FULL HEIGHT REINFORCEMENT AT WALL ENDS, CORNERS, AND EACH SIDE OF CONTROL JOINTS PER REINFORCEMENT SCHEDULE.	(2)-#6	(2)-#6 (2)-#8 (2)-#4 AT 32"o
BOT. OF CMU. FOR FOUNDATION INFO. SEE	C	HORIZONTAL REINFORCED BOND BEAM ALONG THE HEIGHT OF THE WALL. PROVIDE HOLES IN BOTTOM OF "U" BLOCK BOND BEAM AS REQUIRED TO ALLOW PLACEMENT OF FULL HEIGHT VERTICAL REINF.	(1)-#6 AT 24"o.c.	(2)-#4 AT 32"o.
		TYPICAL VERTICAL REINFORCEMENT PER REINFORCEMENT SCHEDULE U.O.N. BY SECTION. CENTER BARS IN CELLS U.O.N.	#6 AT 48" o.c.	#6 AT 32" o.c.
	E	HORIZONTAL REINFORCED BOND BEAM AT TOP OF WALL. PLACE REINFORCEMENT ONE COURSE LOWER WHERE WALL ABUTS FLOOR ABOVE. PROVIDE KNOCKOUT WEB TYPE BOND BEAM UNITS.	(2)-#4	(2)-#6
ALL GROUTING DETAIL UTING REQUIREMENTS,	F	VERTICAL FULL HEIGHT REINFORCEMENT ALONG BOTH SIDES OF ALL WALL OPENINGS, SEE KEYNOTE "A" FOR HOLES IN "U" BLOCK BOND BEAM.	(2)-#6	(2)-#6
NERAL NOTES.				







STEEL BEAM



1. 2.	BED THE	PURPOSE OF THESE DRAWIN FORD FIRE HEADQUARTERS IN WORK SHOWN ON THESE DR K STATE UNIFORM FIRE PREV	I BEDFORD, NY. RAWINGS HAS BE	EEN DESIGNED	IN ACCORDANC	E WITH THE STRUCTURAL REG	UIREMENTS OF THE NEW
3.		2020 UNIFORM CODE SUPPL STRUCTURAL COMPONENTS H		IGNED FOR TH	E FOLLOWING L	OADS:	
	Α.	FLOOR LIVE LOAD: ASSEMBLY OFFICES				00 PSF 50 PSF + 15 PSF PARTITION	
		FIRST FLOOR CORRIDORS CORRIDORS ABOVE FIRST FL LOBBIES	OOR		1	00 PSF 30 PSF 30 PSF 300 PSF	
		TOILET ROOMS STAIRS STORAGE ROOM				60 PSF 00 PSF 25 PSF	
		LIVE LOAD HAVE NOT BEEN	REDUCED ON C	GIRDERS, COLU			
	в.	ROOF LOADS:					
		RISK CATEGORY GROUND SNOW LOAD, Pg EXPOSURE FACTOR, Ce				V 30 PSF .0	
		THERMAL FACTOR, Ct IMPORTANCE FACTOR, IS FLAT ROOF SNOW LOAD, Pf	<b>D</b> -			1.1 .2 28 PSF	
		SLOPED ROOF SNOW LOAD, UNBALANCED SNOW LOAD MAXIMUM SNOW DRIFT DRIFT WIDTH, W	PS			28 PSF 36 PSF 54 PSF 0.5 FT	
		RAIN LOADS: ROOF LIVE LOAD:			(	0 PSF 20 PSF	
	c.	WIND DESIGN DATA: WIND LOADS HAVE BEEN DE 1609.1.1 IN ACCORDANCE W				LIFIED PROVISIONS FOR LOW F PROCEDURE)	RISE BUILDINGS SECTION
		RISK CATEGORY ULTIMATE WIND SPEED (3-S	ECOND GUST)			V 29 MPH	
		EXPOSURE INTERNAL PRESSURE COEFFI "a" DIMENSION FOR USE WI		S AND CLADD		3 D.18 10.0 FT	
		DESIGN WIND PRESSURE FO "a" OF BUILDING WALL COR		AND CLADDIN	NG ON BUILDING	WALLS (USE ZONE 4 GENER	ALLY; USE ZONE 5 WITHIN
		AREA NEGATIVE ZONE 4	SURF4 <u>10 SQ.FT</u> –33.1	ACE PRESSURI 20 SQ. FT -31.7		<u>100 SQ. FT.</u> -28.5	
		NEGATIVE ZONE 5 POSITIVE ZONE 4 & 5	-40.8 30.5	-38.1 29.1	-34.4 27.3	-31.7 25.9	
		DESIGN WIND PRESSURE FO REFER TO BUILDING CODE):	R COMPONENTS	AND CLADDIN	NG ON BUILDING	ROOFS (FOR LOCATIONS OF	ZONES 1, 2 AND 3,
		AREA	SURFA	ACE PRESSURI 20 SQ. FT		100 SQ. FT.	
		NEGATIVE ZONE 1 NEGATIVE ZONE 2 NEGATIVE ZONE 3	-27.9 -48.6 -71.8	-27.1 -44.7 -67.2	-26.1 -39.6 -61.0	-25.3 -35.7 -56.3	
		POSITIVE ALL ZONES	17.6 -56.9	16.0 -56.9	16.0 -56.9	16.0 -56.9	
		OVERHANG ZONE 3 DESIGN WIND PRESSURE FO	-95.6 R MAIN WIND F	-86.3 ORCE RESISTII	-73.9 NG SYSTEMS:	-64.6	
		SURFACE CASE A W/-			E (PSF) <u>CASE_B_W/-GC</u> -7.0	pi CASE B W∕+GCpi −16.3	
		2 -13.2 3 -6.6 4 -5.0	-22.5 -15.9 -14.3		-13.2 -4.9 -7.0	-22.5 -14.2 -16.3	
		5 6 1E 23.4	14.1		15.0 -2.8 -7.8	5.7 -12.1 -17.1	
		2E -23.0 3E -11.5 4E -9.7	-32.3 -20.8 -19.0		-23.0 -9.0 -7.8 20.4	-32.3 -18.3 -17.1 11.1	
	D.	5E 6E EARTHQUAKE DESIGN DATA:			-6.5	-15.8	
		RISK CATEGORY SEISMIC IMPORTANCE FACTO				V .5	
		MAPPED SHORT PERIOD SPE MAPPED 1 SECOND PERIOD SITE CLASS:	SPECTRAL RESI	PONSE ACCEL	ERATIONS, S1: (		
		DESIGN SHORT PERIOD SPEC DESIGN 1 SECOND PERIOD SEISMIC DESIGN CATEGORY: SEISMIC FORCE RESISTING S	SPECTRAL RESP	ONSE ACCELE	RATIONS, SD1: (	)	
		DESIGN BASE SHEAR: SEISMIC RESPONSE COEFFIC RESPONSE MODIFICATION FA	IENT, CS:		:	280 KIPS 0.07 5	
	_	DEFLECTION AMPLIFICATION F ANALYSIS PROCEDURE:	FACTOR, Cd:			3.5 EQUIVALENT LATERAL FORCE	
	E.	OTHER LOADS: CONCENTRATED LOADS: ALL FLOORS (ON 2-1/2 FE				2000 LBS.	
		STAIR TREADS (ON 4 INCHE ELEVATOR MACHINE ROOM G		INCHES SQUA		300 LBS. 300 LBS	
		IMPACT LOADS LOADS INCREASED AS FOL ELEVATOR MACHINERY CHAIN LIFTS	LOWS:			00% 25%	
	F.	GUARDRAILS (LOAD APPLIED TOP RAIL CONCENTRATED	IN ANY DIRECT	10N):	:	200 LBS	
4.	тыс	OR TOP RAIL UNIFORM LOAD S STRUCTURE HAS BEEN DESI	IONED TO BE S			50 PLF	
т.	BEE THIS ERE	S RESPONSIBILITY EXTENDS TO CTION METHODS, ERECTION SI CTION METHODS, ERECTION SI ICEDURES. REVIEW OF THE CO	Y OF THE STRU O ALL RELATED EQUENCE, TEMP	ICTURE PRIOR ASPECTS OF ORARY BRACIN	TO COMPLETION THE CONSTRUCT NG, FORMS, SHO	I IS SOLELY THE RESPONSIBIL ION ACTIVITY INCLUDING, BUT RING, USE OF EQUIPMENT, AN	ITY OF THE CONTRACTOR. NOT LIMITED TO, ID SIMILAR CONSTRUCTION
	CON	IEW THE CONTRACTOR'S CONS ISTRUCTION PROCEDURES IS I	NOT TO BE INTE	ERPRETED AS	APPROVAL OF T	HOSE PROCEDURES.	
5.	THE	S STRUCTURE UTILIZES MASON REFORE, TEMPORARY BRACING ACHED TO THE STEEL FRAMIN	GUYS, ETC., I	MUST BE MAIN	NTAINED UNTIL A	LL MASONRY SHEAR WALLS H	
6.	CON	SITE SAFETY AND CONSTRUCT ISTRUCTION BY THE ENGINEER	R IS FOR CONFO	ORMANCE WITH	I DESIGN ASPEC	TS ONLY, NOT TO REVIEW THI	CONTRACTOR'S
7.	ASP	VISIONS FOR JOB SITE SAFET ECTS OF WORK. EBLACKLINE PRINT OF ALL EI					
<i>,</i> .	CON FOR ACC	ISTRUCTION), STRUCTURAL STE MED STEEL ROOF TRUSSES A ESSORIES MUST BE SUBMITTE	EEL, STEEL JOIS ND STEEL DECK D TO AND BE	STS, COLD-FO ( INDICATING CHECKED BY	RMED STEEL FR THE FABRICATOR THE CONTRACTO	AMING (WALL FRAMING AND R , MANUFACTURER, FINISH, LAY R AND SUBCONTRACTOR AND	DOF TRUSS), COLD OUT, AND ALL
8.	TES	ALS BEFORE SUBMISSION TO TING AND INSPECTION OF COL	NCRETE STEEL	REINFORCING	BARS (CONCRET	E AND MASONRY CONSTRUCTION	
	SHE REV	UCTURAL STEEL, STEEL JOIST ATHING, AND OTHER WORK IS IEW THE "STATEMENT OF SPE PECTOR. UNINSPECTED WORK	DESCRIBED IN	THE PROJEC NS" AND COOI	T "STATEMENT O RDINATE THE SC	F SPECIAL INSPECTIONS". THE HEDULING OF INSPECTIONS WI	CONTRACTOR SHALL
9.	IF F TO	AULTY CONSTRUCTION PROCE DEVISE CORRECTIVE MEASURE	DURES, OR MAT S, PROFESSION/	ERIAL, RESUL AL FEES MAY	t in defective Be charged to	WORK THAT REQUIRES ADDITION THE CONTRACTOR AT THE S	
10.	OF LOA	ADDITIONAL SERVICES. SUCH DS OPENINGS AND STRUCTUR	FEES MAY BE	WITHHELD FR RELATED TO F	OM THE GENERA REQUIREMENTS C	L CONTRACTOR'S PAYMENT. F OTHER (NON-STRUCTURAL)	DISCIPLINES ARE SHOWN
	FOR WAL THE	BIDDING PURPOSES ONLY. H LS. FOR SIZE AND LOCATION CONTRACTOR SHALL OBTAIN	IOWEVER, THESE OF ALL OPENIN FROM THE HEA	E PLANS DO N NGS, SEE ARC TING AND VEN	NOT SHOW THE HITECTURAL, ANI NTILATING, ELECT	FULL SCOPE OF OPENINGS, ÍI ) MECHANICAL DRAWINGS. DO RICAL, PLUMBING AND OTHER	I ROOFS, FLOORS AND NOT SCALE OPENINGS. TRADES THE FINAL
	AND	ROVED SIZE AND LOCATION O WALLS, WHETHER SHOWN OF EQUIPMENT ARE NOT TO BE	R NOT SHOWN (	ON STRUCTUR			
	SHA	HANICAL EQUIPMENT WEIGHTS LL NOTIFY THE ARCHITECT PR	RIOR TO INSTALL	ATION OF EQ	UIPMENT IF ACTU	JAL WEIGHT EXCEEDS WEIGHT	SHOWN ON DRAWINGS.
	CON	CONTRACTOR SHALL VERIFY IDITIONS BEFORE PROCEEDING	WITH ANY WOF	RΚ.			
	OF	SE DRAWINGS ARE SUPPLEME WORK ARE INTENDED TO SUM	IMARIZE BASIC	REQUIREMENTS	5.		
	CON	RK SHOWN AS "TYPICAL DETAI ISIDERED TO APPLY FOR THE IE DETAILS OF THE WORK AR	SAME AND SIM	ILAR CONDITIC	INS IN THE BUIL	DING.	
	ARE	NOT SCALE DRAWINGS.					
		ION NOTES:					
1.	BEA ASS NOT	FOUNDATIONS HAVE BEEN D RING VALUE OF 3000 PSF AS OCIATES AND DATED SEPTEME ED ON THE FOUNDATION PLAN	S RECOMMENDE BER 10, 2019. N. ALL BEARIN	D IN THE GEO SUCH BEARII G STRATA SH	NG STRATA IS A	NEERING REPORT PREPARED INTICIPATED AT THE BOTTOM O	BY CARLIN SIMPSON & F FOOTING ELEVATIONS
2.	CON SEE	ICRETE IN ORDER TO VERIFY ABOVE REFERENCED GEOTEC PARATION OF SOIL BEARING S	THE BEARING V	ALUE. FOR STRUCT	URAL FILL MATE	RIAL SPECIFICATION. RECOMME	NDATIONS FOR THE
3.	PAR THE	T OF THE PROJECT REQUIREN	VENTS. CRIBES THE MAT	FERIAL, PROCE	SS, LOCATION A	ND EXTENT OF REMOVING UN	
4.	PLA THE	CING COMPACTED GRANULAR	FILL FOR SUPPO	ORT OF FOUN	DATIONS AND FL STONE FREE F	OOR SLABS. ROM SOFT DISINTEGRATED PIE	CES, MUD, DIRT, OR
F	LES	ER INJURIOUS MATERIAL THE S THAN 10 PERCENT BY WEIG	GHT PASSING A	NO. 100 SI	EVE.		
5. 6.	ALL	BOTTOM OF EXTERIOR FOOTI SOIL SURROUNDING AND UNI					
7.	STE	ISTRUCTION. P FOOTINGS WHERE ELEVATIOI TINGS FIRST.	NS CHANGE AT	a maximum s	SLOPE OF ONE	ERTICAL ON TWO HORIZONTAL	AND PLACE LOWER
8.	FOU THE	NDATION WALLS SHALL BE TE CONCRETE HAS ATTAINED ITS	S SPECIFIED CO				
9.		JLTANEOUSLY AND TO THE SA P FOUNDATION EXCAVATIONS		AT ALL TIME	S.		
10	USF	LEAN CONCRETE (f'c=1500	PSI) OR CONTR		ACTED FILL FOR	OVER-EXCAVATION OF FOOTIN	GS

GENERAL NOTES:

11.	EXISTING	UTILITIES	: LOCATE	EXISTING	UNDERGRO	UND	UTILITIES	IN	AREAS	OF	EXCAVATION	WORK.	PROVIDE	ADEQUATE	MEANS	OF
	SUPPORT	AND PR	OTECTION	DURING	EARTHWORK	OPE	ERATIONS.									

12. WHERE FOOTINGS ARE IN CLOSE PROXIMITY OF SUB-SURFACE PIPING, BOTTOM OF FOOTINGS SHALL BE AT LEAST 8" BELOW ELEVATION OF PIPING, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

13. SUBMITTALS TO THE ENGINEER ARE REQUIRED FOR STRUCTURAL FILL, AND SLAB SUB-BASE CONCRETE NOTES: 1. ALL CONCRETE WORK SHALL CONFORM TO ALL THE REQUIREMENTS OF ACI 301-05, "SPECIFICATIONS FOR STRUCTURAL CONCRETE IN BUILDINGS" AND ACI 318-14 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE". 2. CONCRETE SHALL BE THE SPECIFIED WEIGHT AND DEVELOP A MINIMUM STRENGTH IN 28 DAYS AS FOLLOWS; MAXIMUM WATER/CEMENTITIOUS RATIO NIMUM (OR SLUMP WHERE INDICATED) **LOCATION** <u>TRENGTH</u> FOOTINGS 3,000 PSI SLUMP: 4"+/- 1" WALLS AN DE-ICIN SLABS-ON

	WEIGHT	MII <u>ST</u>
d piers — exposed to	NORMAL	3,0
NG COMPOUNDS	NORMAL NORMAL	4,5 5,0
I-METAL-DECK	NORMAL	3,5

# A. 5000 PSI WITH 0.40 MAXIMUM WATER CEMENT RATIC B. SILICA FUME ADDITIVE AT 10% WEIGHT OF CEMENT

SLABS-ON

- ACCORDINGLY TO COMPENSATE FOR THE CORROSION INHIBITOR ADMIXTURE. D. SUPER PLASTICIZER ADDITIVE FOR WORKABILITY
- AND THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".

- 7. LIMIT WATER-SOLUBLE, CHLORIDE-ION CONTENT IN HARDENED CONCRETE TO 0.15 PERCENT BY WEIGHT OF CEMENT.
- 8. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60.
- 9. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WITH A MINIMUM YIELD STRENGTH OF 75 KSI. LAP ONE MESH SIZE AT SIDES AND ENDS, AND WIRE TOGETHER.
- 10. THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
- LOCATION CONCRETE CAST AGAINST AND
- PERMANENTLY EXPOSED TO EARTH
- CONCRETE EXPOSED TO EARTH OR WEATHER: #6 THROUGH #18 BARS
- #5 BAR AND SMALLEF CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
- SLABS, WALLS, JOISTS: #14 AND #18 BARS
- #11 BAR AND SMALLER BEAMS, COLUMN
- PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS
- 12. NO WELDING OF REINFORCING WILL BE PERMITTED.
- 13. ALL LAP SPLICES SHALL BE CLASS B, IN ACCORDANCE WITH ACI 318 INDICATED ABOVE.
- MATCH VERTICAL PIER REINFORCING (CLASS "B" SPLICE).
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LIMITING POURS TO MINIMIZE SHRINKAGE CRACKING. IN GENERAL, WALLS SHALL NOT BE POURED IN CONTINUOUS LENGTHS EXCEEDING 30 FEET WITHOUT PROVIDING CONSTRUCTION JOINTS OR CONTROL JOINTS. THE LOCATION AND CONFIGURATION OF JOINTS EXPOSED TO VIEW SHALL BE COORDINATED WITH THE ARCHITECT.
- MEMBERS INCLUDES THE ADDITIONAL CONCRETE FOR THIS ANTICIPATED DEFLECTION.
- 18. SUBMITTALS TO THE ENGINEER ARE REQUIRED FOR CEMENT, REINFORCING BARS, ADMIXTURES, AND AGGREGATES AS SPECIFIED IN SPECIFICATION SECTION 033000.

## CONCRETE MASONRY NOTES

- 1. ALL CONCRETE MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF "BUILDING CODE REQUIREMENTS FOR MASONR' 6-13/ TMS 602-13)".
- ON THE UNIT STRENGTH METHOD. MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 1,900 PSI ON THE NET AREA OF THE UNITS. UNITS SHALL BE PROTECTED FROM
- MOISTURE ABSORPTION. SHALL NOT BE USED.
- CONDITION. ADD WATER TO PRODUCE A WORKABLE MIX
- AND ADDING WATER TO PRODUCE A FLOWABLE MIX WITH AN 8 TO 11 INCH SLUMP
- CLASS B-2 COATING, LADUR TYPE, DUR-O-WALL, OR AN APPROVED EQUAL. PLACE JOINT REINFORCING IN EVERY SECOND COURSE (16"o.c.) JOINT REINFORCEMENT SHALL BE LAPPED 6 INCHES AT SPLICES
- THAT INITIAL BOND IS BROKEN AFTER INITIAL POSITIONING.
- 9. FULLY BED UNITS IN ALL SHEARWALLS INCLUDING CROSS WEBS.
- CELL SHALL BE FULLY BEDDED WITH MORTAR.
- VIBRATION AFTER INITIAL WATER ABSORPTION AND SETTLEMENT HAS OCCURRED.
- 12 FEET IF THE FOLLOWING PROVISIONS ARE MET
- CONSTRUCTED MASONRY HAS CURED FOR AT LEAST 4 HOURS GROUT SLUMP IS BETWEEN 10" AND 11"
- AND APPROVED BY THE ENGINEER
- 14. COVER THE TOPS OF ALL MASONRY CONSTRUCTION TO PROTECT AGAINST PRECIPITATION.
- TO MAINTAIN TEMPERATURE ABOVE 40 F IN ACCORDANCE WITH ACI 530.1, SECTION 1.8.C.
- MASONRY UNIT WALLS FOR FULL WALL HEIGHT AS FOLLOWS:
- AT CHANGES IN WALL HEIGHT. AT CHANGES IN WALL THICKNESS INCLUDING PIPE AND DUCT CHASES AND PILASTERS. AT AND ABOVE EXPANSION JOINTS IN FOUNDATIONS AND FLOORS. AT AND BELOW EXPANSION JOINTS IN ROOFS AND FLOORS THAT BEAR ON THE WALL.
- SPACING 18. SUBMITTALS TO THE ENGINEER ARE REQUIRED FOR CERTIFICATES OF COMPLIANCE FOR BLOCK GRADE AND STRENGTH, GROUT, MORTAR, AND REINFORCING BARS PRIOR TO DELIVERY TO THE SITE.
- STRUCTURAL STEEL NOTES 1. DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS" AISC 360-16.
- 2. MATERIALS:

## WIDE FLANGE SHAPES: AMERICAN STANDARD SHAPES, ANGLES, PLATES AND BARS: ASTM A36 STRUCTURAL STEEL TUBING, RECTANGULAR AND SQUARE: ASTM A500, GRADE C (Fy=50 KSI) STRUCTURAL STEEL TUBING, ROUND: STRUCTURAL STEEL PIPE: ANCHOR RODS

- WELDING ELECTRODE SHEAR CONNECTORS
- 3. ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY'S AWS D1.1 "STRUCTURAL WELDING CODE-STEEL" CODE FOR ARC AND GAS WELDING AND BE PERFORMED BY A CERTIFIED WELDER IN ACCORDANCE WITH A.W.S. STANDARDS. 4. HIGH STRENGTH BOLTS: INSTALL HIGH-STRENGTH BOLTS ACCORDING TO RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS' (RCSC'S) "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A 490 BOLTS" FOR TYPE OF BOLT AND TYPE OF JOINT
- SPECIFIED: JOINT TYPE: SNUG TIGHTENED
- (FACTORED LOADS FOR STRENGTH DESIGN).
- PROCEDURE" SPECIFIED IN THE 14TH EDITION OF THE AISC MANUAL.

7. FOR MOMENT CONNECTIONS, NOTCH-TOUGH WELDING ELECTRODES, COMPLYING WITH AWS REQUIREMENTS, SHALL BE USED. ALSO FOR FULL PENETRATION WELDS, PROVIDE WELDING TABS AT BEAM FLANGE EDGES TO ALLOW WELDING OF FULL BEAM WIDTH.

FOR STRENGTH DESIGN. CONNECTIONS MAY BE DESIGNED FOR THESE VALUES USING THE "LOAD AND RESISTANCE FACTOR DESIGN

5. BEAM SHEAR, MOMENT AND AXIAL FORCES REACTIONS ARE INDICATED ON THE PLANS, REFER TO THE TYPICAL BEAM LEGEND FOR TION AND MOMENT DESIGNATIONS. BEAMS WITH REACTIONS NOT SHOWN, SHALL BE DESIGNED FOR A 18 KIP REACTION

6. THE FABRICATOR IS RESPONSIBLE FOR DESIGNING SHEAR, MOMENT AND AXIAL FORCES CONNECTIONS FOR THE REACTIONS, MOMENTS AND AXIAL FORCES SHOWN ON THESE PLANS AND SUBMITTING THESE DESIGN CALCULATIONS FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD THROUGH THE ARCHITECT. THE REACTIONS, MOMENTS AND AXIAL FORCES SHOWN ARE "FACTORED" LOADS

12. SEE ARCHITECTURAL DRAWINGS FOR ANY PRECAST CONCRETE LINTELS THAT ARE REQUIRED. 13. LINTELS SUPPORTING EXTERIOR MASONRY SHALL BE HOT-DIPPED GALVANIZED. SEE STRUCTURAL STEEL NOTES. 14. LINTELS FOR OPENINGS IN WALLS: THESE PLANS DO NOT SHOW THE FULL SCOPE OF STEEL LINTELS REQUIRED FOR NEW WALL

FOR OPENINGS, DO NOT LOCATE CONTROL JOINTS WITHIN 32 INCHES OF OPENINGS. ADJACENT TO CORNERS OF WALLS OR AT WALL INTERSECTIONS WITHIN A DISTANCE EQUAL TO HALF THE CONTROL JOINT

DISTANCE BETWEEN JOINTS SHOULD NOT EXCEED THE LESSER OF LENGTH TO HEIGHT RATIO OF 1.5, OR 25 FEET.

ASTM A992 GRADE 50

ASTM F1554, GRADE 36

3/4" DIAM. ASTM A108

ASTM A325

ASTM A500, GRADE C (Fv=46 KSI)

ASTM A53, GRADE B (Fy=35 KSI)

ASTM E70XX, LOW HYDROGEN

16. HOT WEATHER CONSTRUCTION TECHNIQUES, ACI 530.1, SECTION 1.8.D, SHALL BE IMPLEMENTED WHEN THE AMBIENT AIR TEMPERATURE EXCEEDS 100 F, OR 90 F IF THE WIND SPEED EXCEEDS 8 MPH. 17. UNLESS OTHERWISE SHOWN ON ARCHITECTURAL OR STRUCTURAL DRAWINGS PROVIDE VERTICAL CONTROL JOINTS THROUGH CONCRETE

15. MASONRY SHALL NOT BE CONSTRUCTED IN TEMPERATURES BELOW 40 F. PROVIDE A HEAT SOURCE AND PROTECTION AS REQUIRED

• THERE IS NO HORIZONTAL BOND BEAM REINFORCEMENT IN THE LIFT EXCEPT AT THE TOP OF THE LIFT HIGH LIFT GROUTING SHALL NOT BE USED UNLESS HIGHLIFT GROUT PROCEDURES ARE SUBMITTED TO THE ENGINEER FOR REVIEW

11. VERTICAL CELLS TO BE GROUTED SOLID SHALL HAVE A MINIMUM CLEAR OPENING OF 3"x2-1/2". THE ENTIRE PERIMETER OF THE 12. CONSOLIDATE GROUT POURS EXCEEDING 12 INCHES IN HEIGHT BY MECHANICAL VIBRATION AND RECONSOLIDATE BY MECHANICAL 13. GROUT POURS EXCEEDING 5 FEET ARE HIGH LIFT POURS REQUIRING CLEANOUTS AND SHALL BE INSTALLED IN LIFTS NOT EXCEEDING

10. ALL CELLS WITH REINFORCING BARS OR BOLTS SHALL BE GROUTED SOLID.

8. PLACE UNITS WHILE MORTAR IS SOFT AND PLASTIC. REMOVE AND RELAY IN FRESH MORTAR ANY UNIT DISTURBED TO THE EXTENT

USE ONE PART PORTLAND CEMENT, 2.25 TO 3 PARTS DAMP, LOOSE SAND, 1 TO 2 PARTS 3/8" PEA GRAVEL. ADD WATER TO PRODUCE A FLOWABLE MIX WITH AN 8 TO 11 INCH SLUMP. ALTERNATIVELY, FINE GROUT MAY BE USED THAT CONFORMS TO THE VOLUMETRIC PROPORTIONS SET FORTH IN ASTM C 476 USING ONE PART PORTLAND CEMENT, 2.25 TO 3 PARTS DAMP LOOSE SAND 7. JOINT (HORIZONTAL) REINFORCEMENT SHALL BE HOT-DIPPED GALVANIZED W1.7 (9 GAGE) STEEL WIRE, ASTM A 82 WITH ASTM A 153

5. MORTAR SHALL BE TYPE S CONFORMING TO THE VOLUMETRIC PROPORTIONS SET FORTH IN ASTM C-270. USE 1 PART PORTLAND CEMENT; 0.25 TO 0.5 PARTS HYDRATED LIME OR LIME PUTTY; AND AGREGATE PROPORTIONED TO 2.25 TO 3 TIMES THE SUM OF THE SEPARATE VOLUMES OF CEMENTITIOUS MATERIALS (I.E. PORTLAND CEMENT PLUS LIME). PROVIDE AGGREGATE IN LOOSE, DAMP 6. COARSE GROUT USED IN PILASTERS AND WALLS SHALL CONFORM TO THE VOLUMETRIC PROPORTIONS SET FORTH IN ASTM C 476.

4. PORTLAND CEMENT USED IN THE MORTAR AND GROUT SHALL CONFORM TO ASTM C 150. MASONRY CEMENT OR MORTAR CEMENT

2. THE COMPRESSIVE MASONRY STRENGTH, I'M, SHALL BE 1500 PSI MINIMUM. SYSTEM COMPONENTS HAVE BEEN SELECTED BASED 3. CONCRETE BLOCK SHALL BE LIGHTWEIGHT HOLLOW LOAD BEARING MASONRY UNITS CONFORMING TO ASTM C 90, TYPE N-1, WITH A

STRUCTURES (ACI 530-13/ ASCE 5-13/ TMS 402-13)" AND "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-13/ ASCE

17. THE INSTALLATION OF SLABS SHALL CONFORM TO THE REQUIREMENTS OF ACI 302.1R-04. INTERIOR FINISH SLAB SURFACES ARE TO HAVE A STEEL TROWEL FINISH. SURFACES OF SLABS FORMING THE SUBSTRATE FOR MUD JOBS ARE TO HAVE A CLEAN TEXTURED (SCRATCHED) SURFACE. EXTERIOR SLAB SURFACES ARE TO HAVE A BROOM FINISH UNLESS SPECIFIED ON THE ARCHITECTURAL

16. FINISH ELEVATED FLOOR SLABS FLAT AND LEVEL WITHIN A TOLERANCE OF +/- 1/4 INCHES TO THE ELEVATION INDICATED ON THE DRAWINGS. PROVIDE ADDITIONAL CONCRETE REQUIRED DUE TO FORMWORK AND FLOOR FRAMING DEFLECTION TO ACHIEVE THIS FINISHED TOP OF SLAB ELEVATION. THE ANTICIPATED DEFLECTION FOR BOTH BEAMS AND GIRDERS IS 1". DESIGN OF FLOOR FRAMING

14. CONCRETE PIERS: PLACE CONCRETE PIERS AND WALLS TOGETHER. SET PIER REINFORCING AND SET WALL REINFORCING THROUGH PIER VERTICAL BARS. PROVIDE DOWELS WITH STANDARD HOOK FROM FOOTING AT ALL PIERS. SIZE AND QUANTITY OF DOWELS TO

3/4 1-1/2 11. THE CONVEYANCE, PLACEMENT AND PROTECTION OF THE CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 5, ACI 318. MECHANICAL VIBRATORS ARE TO BE USED TO CONSOLIDATE THE FRESHLY CAST CONCRETE AROUND THE REINFORCING AND AGAINST FORM SURFACES AND TO PREVENT THE FORMATION OF AIR OR STONE POCKETS, HONEYCOMBING, PITTING OR PLANES OF WEAKNESS. HOWEVER, CARE MUST BE USED TO AVOID OVER VIBRATION THAT CAN LEAD TO AGGREGATE SEGREGATION.

1-1/2 1 - 1/2

<u>COVER (INCHES)</u>

5. CONCRETE DESIGN MIX WILL BE SUBMITTED TO THE ENGINEER FOR REVIEW, TOGETHER WITH LABORATORY REPORTS ATTESTING THAT THE MIXES CAN ATTAIN THE MINIMUM STRENGTH REQUIRED IN ACCORDANCE WITH SECTION 4 OF ACI 301-05. 6. NO ADMIXTURES ARE PERMITTED WITHOUT THE ENGINEERS WRITTEN PERMISSION OTHER THAN ENTRAINED AIR. ALL LIGHTWEIGHT CONCRETE AND CONCRETE EXPOSED TO THE WEATHER, SUCH AS THAT USED IN FOUNDATION WALLS, SHALL CONTAIN 5% ± 1% ENTRAINED AIR. DO NOT USE AIR ENTRAINMENT ADMIXTURE FOR INTERIOR NORMALWEIGHT CONCRETE SLABS.

4. ALL DETAILING FABRICATION, AND ERECTION OF REINFORCING BARS, UNLESS OTHERWISE NOTED, MUST FOLLOW THE LATEST ACI CODE

C. W.R. GRACE "DCI" OR "DCI S" CORROSION INHIBITOR AT 5 GALLONS PER CUBIC YARD. AIR ENTRAINMENT SHALL BE ADJUSTED

1,500 PSI 5,000 PSI 0.40 SLUMP: 4"+/- 1" 3,500 PSI 3. ALL EXTERIOR CONCRETE FOOTINGS, SLABS, WALLS AND PIERS SHALL BE SPECIAL DENSIFIED ANTI-CORROSION CONCRETE WITH THE 8. FOR MOMENT CONNECTIONS, BACKING BARS AND WELD TABS FOR WELDS SHALL BE REMOVED AND THE JOINTS SHALL BE GROUND OR FINISHED SMOOTH IN ACCORDANCE WITH THE REQUIREMENTS OF THE AISC "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS AS ADOPTED IN MARCH, 2005, INCLUDING SUPPLEMENT NO. 1, DATED 2005", UNLESS OTHERWISE NOTED. 9. ALL MOMENT CONNECTIONS UTILIZING FULL OR PARTIAL PENETRATION GROOVE WELDS, SHALL BE ULTRASONIC TESTED, AS INDICATED

IN THE STATEMENT OF SPECIAL INSPECTIONS, AND SHALL BE DETAILED TO ALLOW FOR SUCH ULTRASONIC TESTING.

10. STUD SHEAR CONNECTORS SHALL BE FIELD-WELDED IN ACCORDANCE WITH AWS D1.1

11. WHERE SLOTTED HOLE CONNECTIONS ARE SHOWN, NUTS SHALL BE FASTENED SNUG TIGHT, THEN UNTIGHTENED BY ONE-HALF TURN. PEEN THREADS TO PREVENT FURTHER LOOSENING OF THE NUT.

12. ALL BOLTED CONNECTIONS THAT WILL BE EXPOSED TO VIEW SHALL HAVE BOLTS FOR THE FULL DEPTH OF THE CONNECTED MEMBER, WHETHER REQUIRED TO SUPPORT THE REACTIONS SHOWN OR NOT.

13. STRUCTURAL STEEL SHALL BE CLEANED IN ACCORDANCE WITH THE STEEL STRUCTURES PAINTING COUNCIL SPECIFICATION SP-3 FOR POWER TOOL CLEANING (EXCEPT FOR STEEL EXPOSED TO WEATHER) AND PAINTED WITH THE SPECIFIED PRIMER

14. ALL STEEL MEMBERS AND BOLTING EXPOSED TO WEATHER SHALL BE CLEANED IN ACCORDANCE WITH THE STEEL STRUCTURES PAINTING COUNCIL SPECIFICATION SP-6 FOR COMMERCIAL BLAST CLEANED AND HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 123 AND ASTM A 153. MINIMUM ACCEPTABLE ZINC COATING WEIGHT SHALL BE 2 OZ./SO. FT. SEE ARCHITECTURAL SPECIFICATIONS FOR FINISHED PAINT IF REQUIRED. CLEAN AREAS WHERE GALVANIZING IS DAMAGED OR MISSING AND REPAIR GALVANIZING TO COMPLY WITH ASTM A 780.

15. PROVIDE BITUMASTIC PROTECTION COATING FOR ALL STRUCTURAL STEEL BELOW GRADE.

16. CONTINUOUS MEMBERS, WHERE INDICATED ON THE DRAWINGS, SHALL REQUIRE EITHER 1) THE MEMBER TO BE FURNISHED AS ONE PIECE, OR 2) IF INDIVIDUAL PIECES ARE TO BE PROVIDED, THEN THEY SHALL BE CONNECTED BY EITHER WELDING OR BOLTING TO DEVELOP THE FULL STRENGTH OF THE CONTINUOUS MEMBER.

17. SPLIT CANTILEVERS FOR STEEL BEAMS SHALL BE DESIGNED FOR THE FULL MOMENT CAPACITY OF THE BEAM UNLESS OTHERWISE

18. UNLESS OTHERWISE NOTED, AT CANTILEVER BEAM CONNECTION TO TOP OF COLUMNS, PROVIDE WELDED 3/4" CAP PLATE WITH (4)-3/4" DIAMETER A325 BOLTS ON BEAM GAGE. PROVIDE 1/2" MINIMUM FITTED STIFFENERS WELDED AT BOTH SIDES OF BEAM

WEB. LOCATE STIFFENERS OVER COLUMN FLANGE ON CANTILEVER SIDE.

19. PROVIDE 1/4" CLOSURE PLATE WITH SEAL WELD AT ENDS OF ALL HSS MEMBERS. 20. FABRICATOR SHALL HOLD A CURRENT AISC CERTIFICATION FOR "STANDARD FOR STEEL BUILDING STRUCTURES (STD)".

21. FOR MISCELLANEOUS STEEL, SEE ARCHITECTURAL DRAWINGS. 22. SUBMITTALS TO THE ENGINEER ARE REQUIRED FOR CERTIFICATES OF COMPLIANCE FOR STRUCTURAL STEEL, BOLTS, NUTS, WASHERS, AND WELD FILLER MATERIAL PRIOR TO THE FABRICATION OF ANY STEEL.

PRECAST PRESTRESSED HOLLOW-CORE PLANK NOTES:

PRECAST PRE-STRESSED HOLLOW CORE PLANKS SHALL BE DESIGNED IN ACCORDANCE WITH THE PROCEDURE SET FORTH IN ACI-318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"

SHOP DRAWINGS SHALL INCLUDE THE DESIGNATION, DIMENSIONS, AND LAYOUT OF THE UNITS; SECTIONS AND DETAILS SHOWING CONNECTIONS, EDGE CONDITIONS, AND SUPPORT CONDITIONS; AND THE DEAD, LIVE AND OTHER APPLICABLE LOADS USED IN THE

3. DESIGN CALCULATIONS SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK EXPERIENCED IN PRECAST PRE-STRESSED CONCRETE DESIGN AND SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER OF

RECORD FOR APPROVAL 4. PRE-STRESSING STEEL SHALL BE UNCOATED SEVEN WIRE STRAND WHICH HAS BEEN STRESS-RELIEVED AS A UNIT AFTER THE WIRES HAVE BEEN FORMED INTO A STRANDS. IT SHALL BE MANUFACTURED AND TESTED IN ACCORDANCE WITH ASTM A-416, GRADE 250K 020K

5. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615, GRADE 60.

6. WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-185 7. THE PRECAST MANUFACTURING PLANT SHALL BE CERTIFIED BY THE PRE-STRESSED CONCRETE INSTITUTE PLANT CERTIFICATION PROGRAM. THE ERECTOR SHALL HAVE AT LEAST 2 YEARS OF EXPERIENCED IN THE ERECTION OF PRECAST STRUCTURAL CONCRETE SIMILAR TO THE REQUIREMENTS OF THIS PROJECT.

STEEL DECK NOTES:

STEEL DECK SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE CURRENT SPECIFICATION OF THE STEEL DECK INSTITUTE.

2. NON-COMPOSITE FORMED STEEL FLOOR DECK TO BE 9/16" INCH DEEP, 26 GAGE (UNCOATED STEEL THICKNESS = 0.0179"), UNIFORM, GALVANIZED (G60 COATING), UNITED STEEL DECK TYPE UFS DECK AS MANUFACTURED BY CANAM STEEL DECK, INCORPORATED, OR AN APPROVED EQUAL.

3. FORMED STEEL ROOF DECK TO BE 1-1/2" DEEP, 20 GAGE (UNCOATED STEEL THICKNESS = 0.0358"), GALVANIZED (G60 COATING), WIDE RIB, UNITED STEEL DECK "B" DECK PROFILE, AS MANUFACTURED BY CANAM STEEL DECK, INCORPORATED OR AN APPROVED

4. THE STEEL DECK SHALL BE SUPPLIED IN MINIMUM LENGTHS AS REQUIRED TO PROVIDE A "3-SPAN" CONDITION. END CLOSURES, ROOF SUMPS, CLOSURES AT PENETRATIONS, AND ALL OTHER ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION ARE

5. NON-COMPOSITE FORMED STEEL FLOOR DECK WITH A THICKNESS OF 24 GAGE OR LESS SHALL BE WELDED TO SUPPORTING STEE WITH 3/8" DIAMETER FUSION WELDS THROUGH 16 GAGE WELDING WASHERS. NON-COMPOSITE FORMED STEEL FLOOR DECK WITH A THICKNESS OF 22 GAGE OR GREATER SHALL BE WELDED TO SUPPORTING STEEL WITH 5/8" DIAMETER PUDDLE WELDS. SPACE WELDS AT 15" ON CENTER MAXIMUM AT END SUPPORTS AND 30" ON CENTER MAXIMUM AT INTERMEDIATE SUPPORTS. INTERMEDIATE SIDE CONNECTIONS SHALL BE MADE AT MID-SPAN OR 3'-0" ON CENTER, WHICHEVER IS SMALLER. END LAPS OF SHEETS SHALL BE A MINIMUM OF 2" AND SHALL OCCUR OVER SUPPORTS.

6. FORMED STEEL ROOF DECK SHALL BE WELDED TO SUPPORTING STEEL WITH 5/8" DIAMETER PUDDLE WELDS AT ALL EDGE RIBS PLUS A SUFFICIENT NUMBER OF INTERIOR RIBS TO LIMIT THE SPACING BETWEEN ADJACENT POINTS OF ATTACHMENT 12" ON CENTER TO THE DECK ATTACHMENT PATTERN SHOWN ON THE DRAWINGS. (FOR CONNECTION OF METAL ROOF DECK TO COLD FORMED FRAMING, USE NO. 10 SELF TAPPING SCREWS AT 12" ON CENTER). INTERMEDIATE SIDE CONNECTIONS SHALL BE MADE WITH #10

SELF-TAPPING SCREWS AT MID-SPAN OR 3'-O" ON CENTER, WHICHEVER IS SMALLER. END LAPS OF SHEETS SHALL BE A MINIMUM OF 2" AND SHALL OCCUR OVER SUPPORTS.

IN LIEU OF PUDDLE WELDS, POWDER ACTUATED FASTENERS HAVING THE SAME CAPACITY AS THE SPECIFIED PUDDLE WELDS, MAY BE USED. FASTENERS SHALL BE MANUFACTURED BY HILTI, INC. OR AN APPROVED EQUAL. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER INDICATING FASTENER DATA INCLUDING SIZE VS. STEEL SUBSTRATE MATERIAL, SPACINGS, CAPACITIES, INCLUDING DIAPHRAGM SHEAR CAPACITIES, METHOD OF INSTALLATION AND PROGRAM FOR QUALITY ASSURANCE OF INSTALLATION.

IN LIEU OF PUDDLE WELDS, PNEUMATICALLY APPLIED FASTENERS HAVING THE SAME CAPACITY AS THE SPECIFIED PUDDLE WELDS, BE MANUFACTURED BY PNEUTEK, INC. OR AN APPROVED

SUBMITTED FOR APPROVAL TO THE ENGINEER INDICATING FASTENER DATA INCLUDING SIZE VS. STEEL SUBSTRATE MATERIAL PACINGS, CAPACITIES, INCLUDING DIAPHRAGM SHEAR CAPACITIES, METHOD OF INSTALLATION AND PROGRAM FOR QUALITY ASSURANCE OF INSTALLATION.

7. STEEL DECK MUST BE PROTECTED BEFORE AND AFTER ERECTION AND ALL DEBRIS CLEANED FROM ITS SURFACE WHERE CONCRETE WILL BE POURED OR ROOFING IS TO BE PLACED.

LINT

OPENINGS IN NON BEARING 4", 8"

ALL LINTELS SHALL BE STEEL LINTELS UNLESS OTHERWISE NOTED.
UNLESS OTHERWISE NOTED, FOR LINTELS OVER DOORS, WINDOWS, DUCTS, AND MISCI AND 12" CMU AND FOR BRICK WALLS, USE FOR EACH 4" OF MASONRY:

EL NOTES:
ALL LINTELS SHALL BE STEEL LINTELS UNLESS OTHERWISE NOTED.
UNLESS OTHERWISE NOTED, FOR LINTELS OVER DOORS, WINDOWS, DUCTS, AND AND 12" CMU AND FOR BRICK WALLS, USE FOR EACH 4" OF MASONRY:

E	EL NOTES:		
	ALL LINTELS SHALL	BE STEEL LINTELS UNLESS OTHERWISE NOTED.	
		NOTED, FOR LINTELS OVER DOORS, WINDOWS, DUCTS, AND FOR BRICK WALLS, USE FOR EACH 4" OF MASONRY:	)
	ANGLE SIZE	MAX M.O. BEARING FACH END	

١T	L NOTES:
	ALL LINTELS SHALL BE STEEL LINTELS UNLESS OTHERWISE NOTED.
	UNLESS OTHERWISE NOTED, FOR LINTELS OVER DOORS, WINDOWS, DUCTS, AND AND 12" CMU AND FOR BRICK WALLS, USE FOR EACH 4" OF MASONRY:
	ANGLE SIZE MAX. M.O. BEARING EACH END

LE NOTES.			
ALL LINTELS SHALL BE STE	EL LINTELS UNLES	S OTHERWISE NOTED	).
UNLESS OTHERWISE NOTED, AND 12" CMU AND FOR BR			
ANGLE_SIZE 3 1/2" × 3/8" FLAT_PLATE 3 1/2" × 4" × 5/16" (LLV	2'-0"	BEARING EACH END 6" 6"	
J 1/Z X 4 X 3/10 (LLV	) 3-0	0	

W8x28

6. FILL FIRST COURSE DIRECTLY UNDER BEARING WITH GROUT FOR 16" LENGTH.

BEARING PLATE WITH 1/4" WELD AT EACH SIDE OF FLANGE.

ALL LINTELS SHALL BE STEEL	LINTELS UN	NLESS OTHERWISE	NOTED.		
UNLESS OTHERWISE NOTED, F AND 12" CMU AND FOR BRIG				AND	MIS
ANGLE SIZE	MAX. M.O.	BEARING EACH	END		
3 1/2" x 3/8" FLAT PLATE	2'-0"	6"			
3 1/2" x 4" x 5/16" (LLV)	3'-6"	6"			
3 1/2" v 5" v 5/16" (11)	5 <b>'</b> _∩"	6"			

LL LINTELS SHALL BE STEEL	LINTELS UNLE	ESS OTHERWISE NOTED.	
NLESS OTHERWISE NOTED, F ND 12" CMU AND FOR BRIC			
NGLE SIZE	MAX. M.O.	BEARING EACH END	
1/2" x 3/8" FLAT PLATE	2'-0"	6"	
1/2" x 4" x 5/16" (LLV)	3'-6"	6"	
1/2" x 5" x 5/16" (LLV)	5'-0"	6"	

JNLESS OTHERWISE NOTED, F AND 12" CMU AND FOR BRIC		•		AND MISCELLANEOUS
		BEARING EACH I	END	
3 1/2" x 3/8" FLAT PLATE	2'-0"	6"		
3 1/2" x 4" x 5/16" (LLV)	3'-6"	6"		
3 1/2" x 5" x 5/16" (LLV)	5'-0"	6"		
3 1/2" x 6" x 5/16" (LLV)	6'-0"	8"		

W8x31+5/16" PLATE

W8x35+5/16" PLATE

4. FOR 6" PARTITIONS USE WT 7x13 FOR SPANS UP TO 7'-0" WITH 6" BEARING EACH END.

7. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.

UNITS OF SUCH PIERS SHALL BE FILLED WITH GROUT FOR FULL STORY HEIGHT

5. FOR 10" PARTITIONS USE WT 7x21.5 FOR SPANS UP TO 7'-0" WITH 8" BEARING EACH END

PLATES INDICATED IN ABOVE LINTELS SHALL HAVE A WIDTH 1" LESS THAN THE WALL THICKNESS.

INDICATE A SPECIFIC LINTEL DESIGN. CONSULT WITH THE ARCHITECT TO CONFIRM LINTEL REQUIREMENTS.

CORRESPONDING MASONRY OPENING SIZE, SEE NOTES, ABOVE, UNLESS OTHERWISE NOTED ON PLANS.

DRAWINGS. STUDS, TRACKS, BRACING AND BRIDGING SHALL BE MANUFACTURED PER ASTM C955.

4. ALL STUDS, JOISTS AND ACCESSORIES SHALL BE GALVANIZED WITH A MINIMUM G-60 COATING

AND DOWNWARD MOVEMENT OF 1 INCH FOR FLOORS AND L/240 FOR ROOFS.

SCREW SPACING AND EDGE DISTANCE SHALL NOT BE LESS THAN 1".

8" 3. OPENINGS IN NON BEARING WALLS (BLOCK OR BLOCK AND BRICK) WHERE NO SPECIFIC LINTELS OR LINTEL SIZES ARE INDICATED MAX M.O. WALL THICKNESS LINTEL SIZE 9'-0" 8" W8-24

8. WHEN OPENINGS OCCUR IN BEARING WALLS OR THE HEIGHT OF MASONRY ABOVE THE LINTEL IS LESS THAN THE OPENING WIDTH OR WHEN A CONTROL JOINT IS LOCATED DIRECTLY ABOVE OR WITHIN 16" OF THE JAMB OPENING AND DRAWINGS DO NOT OTHERWISE

DIAMETER x 6" LONG WELDED ANCHOR STUDS AT 3" o.c. UNLESS OTHERWISE NOTED. FIELD WELD BOTTOM FLANGE OF BEAM TO

9. FOR ALL WALL BEARING BEAMS PROVIDE 7 1/2" x 5/8" x 0'-7 1/2" BEARING PLATES ON 3/4" GROUT BED WITH (2)-5/8"

10. LINTELS OVER ADJACENT OPENINGS WITH PIERS BETWEEN LESS THAN 2'-8" WIDE SHALL BE CONTINUOUS OVER PIERS. MASONRY

11. CONNECT LINTEL TO STRUCTURAL STEEL COLUMNS WHEN THERE IS LESS THAN 16" OF MASONRY BETWEEN THE MASONRY OPENING

OPENINGS FOR DOORS, WINDOWS, DUCTS, LOUVERS, ETC.. FOR MASONRY OPENING SIZE AND LOCATION OF ALL NEW WALL OPENINGS, SEE ARCHITECTURAL AND MECHANICAL DRAWINGS. DO NOT SCALE OPENINGS. FOR STEEL LINTEL SIZE FOR

INSTITUTE'S "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS". CURRENT EDITION AS REFERENCED BY THE APPLICABLE BUILDING CODE, AND THE SPECIFICATIONS OF THE MANUFACTURER OF THE COLD-FORMED METAL FRAMING.

1. DESIGN, FABRICATION AND ERECTION OF COLD-FORMED METAL FRAMING SHALL CONFORM TO THE AMERICAN IRON AND STEEL

2. ALL STUDS AND/OR JOISTS AND ACCESSORIES SHALL BE OF THE TYPE, SIZE, STEEL THICKNESS AND SPACING SHOWN ON THE

3. ALL STUDS, JOISTS AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CONFORMS TO THE REQUIREMENTS OF ASTM A-1003

5. TOUCHUP PAINT: IMMEDIATELY AFTER FABRICATION AND ERECTION, CLEAN WELDS, FASTENERS, AND DAMAGED GALVANIZED SURFACES

COLD FRAMED METAL SIZES AND ATTACHMENTS SHALL NOT BE LESS THAN THOSE INDICATED ON THE CONTRACT DOCUMENTS.

7. CONNECTIONS SHALL BE ACCOMPLISHED WITH SELF-DRIVING SCREWS OR WELDING SO THAT THE CONNECTION MEETS OR EXCEEDS

ALL CONNECTIONS SHALL BE MADE USING A MINIMUM OF FOUR (4) #12-16 SCREWS, UNLESS OTHERWISE SHOWN ON DRAWINGS.

MINIMUM CONNECTION ANGLE THICKNESS SHALL BE 16 GAGE, BUT NO THINNER THAN THE MATERIAL OF THE MEMBERS THAT ARE

WHERE FRAMING SYSTEMS ARE NOT SHOWN ON THE DRAWINGS. DESIGN FRAMING SYSTEMS FOR THE DESIGN LOADS INDICATED IN

HE CONTRACT DOCUMENTS. PROVIDE FOR MOVEMENT OF FRAMING MEMBERS WITHOUT DAMAGE OR OVERSTRESSING, SHEATHING

FAILURE, CONNECTION FAILURE, UNDUE STRAIN ON FASTENERS AND ANCHORS, OR OTHER DETRIMENTAL EFFECTS WHEN SUBJECT TO A MAXIMUM AMBIENT TEMPERATURE OF 120 DEG F. DESIGN FRAMING SYSTEM TO MAINTAIN CLEARANCES AT OPENINGS, TO ALLOW

FOR CONSTRUCTION TOLERANCES, AND TO ACCOMMODATE LIVE LOAD DEFLECTION OF PRIMARY BUILDING STRUCTURE FOR AN UPWARD

DUCHUP AND REPAIR SURFACES WITH GALVANIZED REPAIR PAINT IN ACCORDANCE WITH ASTM A780, APPLIED BY BRUSH OR SPRAY

SHALL HAVE THE FOLLOWING SIZES

9"-13"

9"-13"

AND THE OUTERMOST FACE OF COLUMN.

COLD-FORMED METAL FRAMING NOTES:

WITH A YIELD AS FOLLOWS

BEING CONNECTED.

16 GA. (0.0598") OR HEAVIER 50 KSI

18 GA. (0.0474") OR LIGHTER 33 KSI

TO PROVIDE MINIMUM DRY FILM THICKNESS OF 2.0 MILS.

THE DESIGN LOADS REQUIRED AT THAT CONNECTION.

9'-0"

12'-0"

12'-0"

3 1/2" x 6" x 3/8" (LLV) 8'-0"

8. WELDING SHALL CONFORM TO STRUCTURAL WELDING CODE D1.1 AND SPECIFICATION FOR WELDING SHEET IN STRUCTURES E1.3 OF HE AMERICAN WELDING SOCIETY AND BE PERFORMED BY A CERTIFIED WELDER IN ACCORDANCE WITH AWS STANDARDS 9. TEMPORARY BRACING SHALL BE PROVIDED AND LEFT IN PLACE UNTIL WORK IS PERMANENTLY STABILIZED.

10. JOISTS SHALL BE LOCATED DIRECTLY OVER BEARING STUDS OR A LOAD DISTRIBUTION MEMBER SHALL BE PROVIDED TO TRANSFER 11. ALL BUILT-UP FRAMING MEMBERS SHALL BE OF WELDED CONSTRUCTION, UNLESS OTHERWISE NOTED.

12. AVOID HOLES AT ENDS OF MEMBERS. HOWEVER, SHOULD HOLES OCCUR, PROVIDE ADDITIONAL REINFORCING AT THE ENDS OF THE MEMBER WHERE HOLES OCCUR, UNLESS OTHERWISE NOTED. 13. PROVIDE LATERAL BLOCKING, BRIDGING, AND WEB STIFFENERS FOR VERTICAL AND HORIZONTAL FRAMING MEMBERS, AND OTHER FRAMING MEMBERS AS REQUIRED AND IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS OR RECOMMENDATIONS, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.

14. TRACK: 16 GAGE MINIMUM. SECURELY ANCHORED TO ADJACENT STRUCTURE OR MEMBER.

15. ALL FRAMING COMPONENTS: CUT SQUARELY OR AT AN ANGLE TO FIT SQUARELY AGAINST ABUTTING MEMBERS. ALL MEMBERS: HELD FIRMLY IN POSITION UNTIL PROPERLY FASTENED, ERECT MEMBER LEVEL, PLUMB, AND TRUE TO LINE AND TO DIMENSIONS AND 16. STUDS: SEATED SQUARELY IN THE TRACK WITH THE STUD WEB AND FLANGES ABUTTING THE TRACK WEB, AND SECURELY ATTACHED

TO THE FLANGES OR WEB OF BOTH TRACKS. 17. SPLICES IN STUDS AND OTHER FRAMING COMPONENTS: NOT PERMITTED.

18. SHAPE DESIGNATIONS AND SECTION PROPERTIES ARE BASED ON THE UNIVERSAL SYSTEM FOR LIGHT GAGE STEEL FRAMING MEMBERS. FOR EXAMPLE, "600S162-54" DENOTES 6" DEEP, 1-5/8" WIDE FLANGE, STUD, 54 MILS(=16 GAGE) THICKNESS. 19. SUBMITTALS TO THE ENGINEER ARE REQUIRED FOR CERTIFICATES OF COMPLIANCE FOR FRAMING MEMBERS (STUDS, JOISTS, TRACKS, ETC.), SCREWS, AND ACCESSORIES (CONNECTION CLIPS, STIFFENERS, ETC.) PRIOR TO DELIVERY TO THE SITE. 20. SHOP DRAWINGS: SHOW LAYOUT, SPACING, SIZES, THICKNESS, MATERIAL SPECIFICATION, AND TYPES OF COLD-FORMED METAL FRAMING. SHOW FASTENING AND ANCHORAGE DETAILS, INCLUDING MECHANICAL FASTENERS. SHOW REINFORCING CHANNELS, OPENIN FRAMING, SUPPLEMENTAL FRAMING, STRAPPING, BRACING, BRIDGING, SPLICES, ACCESSORIES, CONNECTION DETAILS, AND ATTACHMENT TO ADJOINING WORK

THE COLD-FORMED METAL ENGINEER AND FABRICATOR SHALL DESIGN ALL MEMBERS AND CONNECTIONS AND SHALL SUBMI CALCULATIONS OF ALL DESIGNS, SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK WHO IS RESPONSIBLE FOR THEIR PREPARATION. THEY SHALL NOT DESIGN ANY CHANGES TO THE COLD-FORMED METAL FRAMING, INCLUDING SIZES, GAGE, SPACING AND CONNECTIONS, THAT ARE INDICATED ON THE DRAWINGS. PREFABRICATED COLD-FORMED METAL TRUSS NOTES:

1. PREFABRICATED COLD-FORMED METAL TRUSSES SHALL BE DESIGNED, IN ACCORDANCE WITH THE AMERICAN IRON AND STEE INSTITUTE'S "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", CURRENT EDITION AS REFERENCED BY THE APPLICABLE BUILDING CODE.

2. TRUSS FABRICATOR SHALL BE A MEMBER OF THE TRUSS PLATE INSTITUTE (TPI) AND SHALL PARTICIPATE IN THE "TRUSS PLATE INSTITUTE'S QUALITY ASSURANCE INSPECTION PROGRAM". 3. THE MANUFACTURER SHALL DESIGN THE TRUSSES FOR THE FOLLOWING LOADS, UNLESS OTHERWISE NOTED:

TOP CHORD LIVE LOAD TOP CHORD SNOW LOAD TOP CHORD WIND LOAD TOP CHORD DEAD LOAD BOTTOM CHORD LIVE LOAD BOTTOM CHORD DEAD LOAD MAXIMUM ALLOWABLE DEFLECTIONS: ROOFS: SNOW/LIVE LOAD -

FLOORS: LIVE LOAD -

TOTAL LOAD -

TOTAL LOAD -

SEE THIS SHEET FOR LIVE LOAD CRITERIA SEE THIS SHEET FOR SNOW LOAD CRITERIA SEE THIS SHEET FOR WIND LOAD CRITERIA 20 PSF (SEE PLAN FOR ADDITIONAL HUNG PARTITION LOADS)

VERTICAL: L/240 OR 1.00"; HORIZONTAL: 0.375" VERTICAL: L/180 OR 1.50"; HORIZONTAL: 0.5" VERTICAL: L/360 OR 0.75" VERTICAL: L/240 OR 1.00

4. INDICATE TRUSS TYPE, SPAN, SPACING AND DEPTH ON THE DRAWINGS. SPACING, AND DEPTH, SPECIFIED ON THE FRAMING PLANS SHALL NOT BE EXCEEDED. 5. TRUSSES SHALL BE FABRICATED IN ACCORDANCE WITH THE APPROVED TRUSS SHOP DRAWINGS USING JIGS OR TEMPLATES TO

ENSURE CONSISTENT COMPONENT PLACEMENT AND ALIGNMENT OF COMPONENTS AND TO MAINTAIN SPECIFIED TOLERANCES. TRUSS MEMBERS SHALL BE ACCURATELY CUT BY SAWING OR SHEARING. DO NOT TORCH CUT. 6. TRUSS FABRICATOR SHALL FURNISH ALL REQUIRED HANGERS, HOLDDOWN STRAPS AND OTHER PREFABRICATED FASTENING OR CONNECTION DEVICES INDICATED ON THE APPROVED TRUSS SHOP DRAWINGS.

7. TRUSSES SHALL BE INSTALLED IN ACCORDANCE WITH THE TRUSS COMPONENT MANUFACTURER'S INSTRUCTIONS AND TRUSS FABRICATOR'S APPROVED SHOP DRAWINGS. USE CORRECT FASTENERS AND INSTALL TRUSSES PLUMB, ADEQUATELY BRACED, IN THE PROPER ORIENTATION, AND AT THE SPACING SPECIFIED ON THE APPROVED ERECTION PLAN

8. INSTALL ALL ERECTION (TEMPORARY INSTALLATION) BRACING AND PERMANENT BRACING AND BRIDGING BEFORE APPLICATION OF ANY LOADS. FOLLOW RECOMMENDATIONS OF THE LIGHT GAUGE STEEL ENGINEERS ASSOCIATION (LGSEA) FIELD INSTALLATION GUIDE FOR COLD-FORMED STEEL TRUSSES.

9. CUTTING OF TRUSSES MEMBERS OR FIELD ALTERATION OF ANY TRUSS IS NOT PERMITTED WITHOUT A REVISED DESIGN DRAWING FROM THE TRUSS SUPPLIER BEARING THE CERTIFICATION OF A PROFESSIONAL ENGINEER REGISTERED IN THE JURISDICTION OF THE

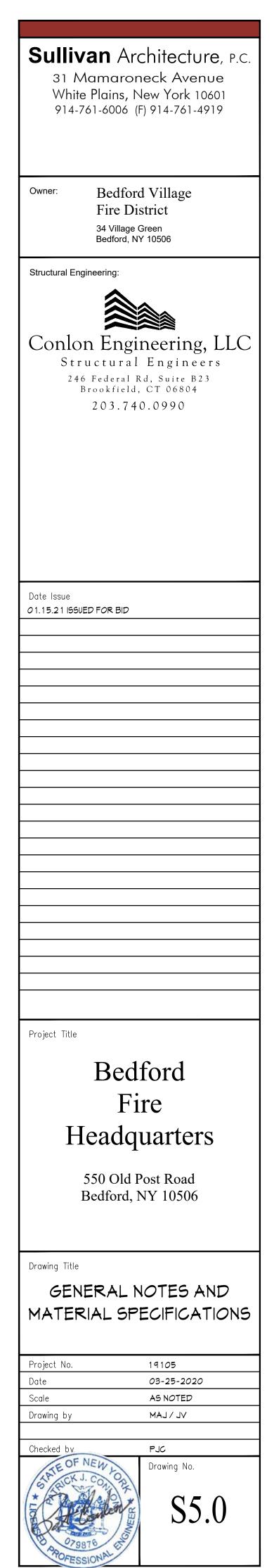
10. REPAIR OR REPLACE DAMAGED TRUSSES MEMBERS, INCLUDING CHORDS, WEBS, BRACING, AND COMPLETE TRUSSES AS DIRECTED AND APPROVED IN WRITING IN ADVANCE BY THE ARCHITECT/ENGINEER-OF-RECORD AND THE TRUSS COMPONENT MANUFACTURER.

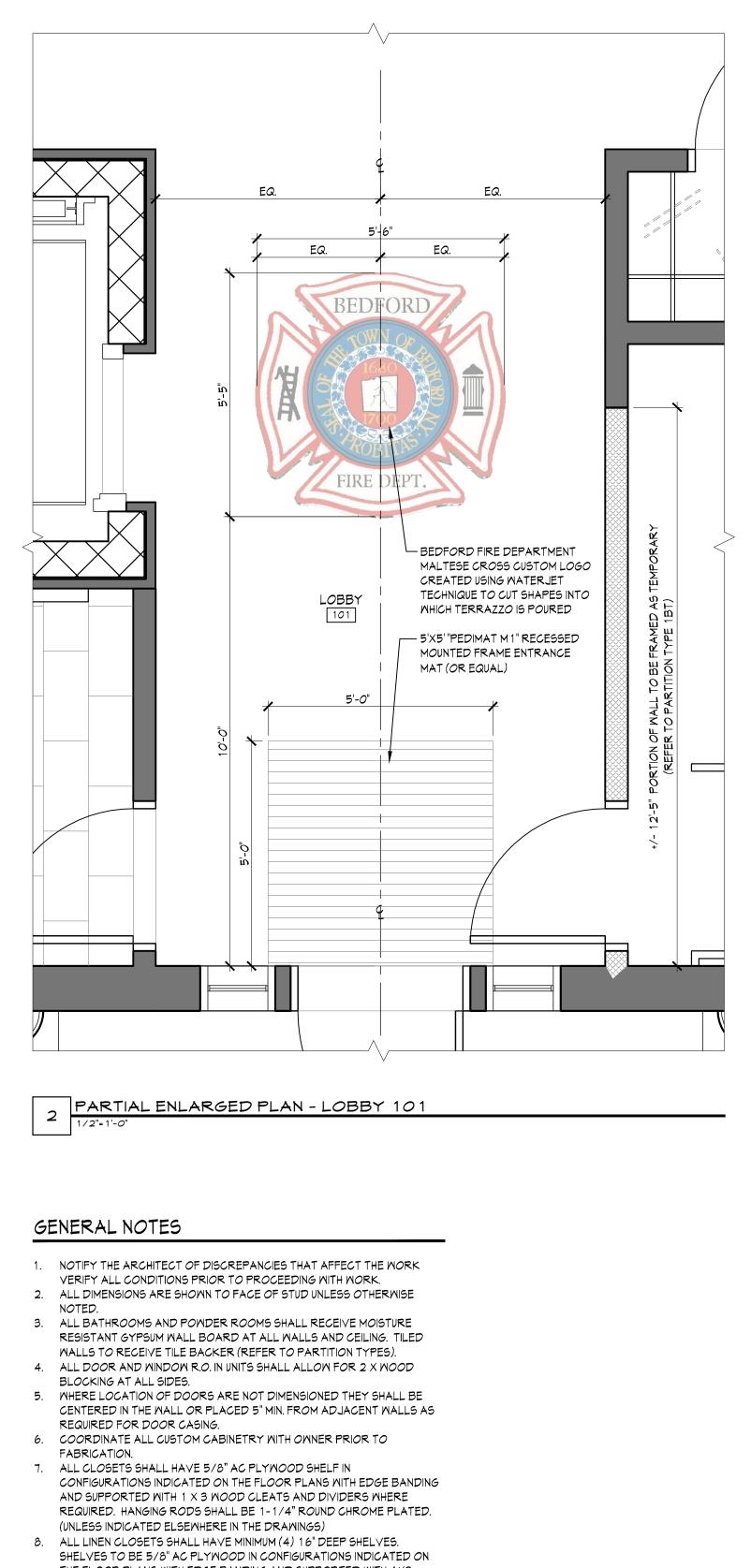
11. SHOP DRAWINGS AND DESIGN CALCULATIONS BEARING THE CERTIFICATION OF A PROFESSIONAL ENGINEER REGISTERED IN THE JURISDICTION OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. SHOP DRAWINGS SHALL CONTAIN THE FOLLOWING INFORMATION FOR EACH TYPE AND SIZE OF TRUSS ASSEMBLY TO BE PROVIDED: DETAIL OF TRUSSES, LAYOUT, SPACINGS, STATUSTICAL TO THE TRUE AND SIZE OF TRUSS ASSEMBLY TO BE PROVIDED: DETAIL OF TRUSSES, LAYOUT, SPACINGS, SPAC SIZES. THICKNESS. TYPES OF COLD-FORMED METAL FRAMING, MATERIAL SPECIFICATIONS AND PROPERTIES, AND FABRICATION ASTENING AND ANCHORAGE DETAILS, INCLUDING MECHANICAL FASTENERS AND WELDMENTS. SHOW REINFORCING ELEMENTS, FRAMING FOR OPENINGS, SUPPLEMENTAL FRAMING, STRAPPING, BRACING, BRIDGING, SPLICES, ACCESSORIES, CONNECTION DETAILS, AN PERMANENT BRACING MEMBERS AND THEIR LOCATION'S FOR COMPRESSION MEMBERS. INCLUDE IN THIS SUBMISSION THE FOLLOWING A) TYPICAL GABLE END TRUSS DETAILS, B) OVERBUILD TRUSS DETAILS, C) PIGGYBACK TRUSS DETAILS, D) ERECTION PLAN INDICATING LOCATION AND QUANTITY OF EACH TRUSS TYPE, E) ERECTION DETAILS, AND F) HANDLING, INSTALLATION AND TEMPORARY BRACING RECOMMENDATIONS.

12. TRUSSES TO BE SUPPLIED FOR THE BUILDING REQUIRE SPECIAL INSPECTIONS AND MUST BE INSPECTED DURING FABRICATION BY THE INSPECTOR DESIGNATED ON THE STATEMENT OF SPECIAL INSPECTIONS. TRUSSES DELIVERED TO THE SITE PRIOR TO RECEIVING SUCH INSPECTION MAY BE REJECTED SOLELY FOR THAT REASON. SHEATHING PANELS:

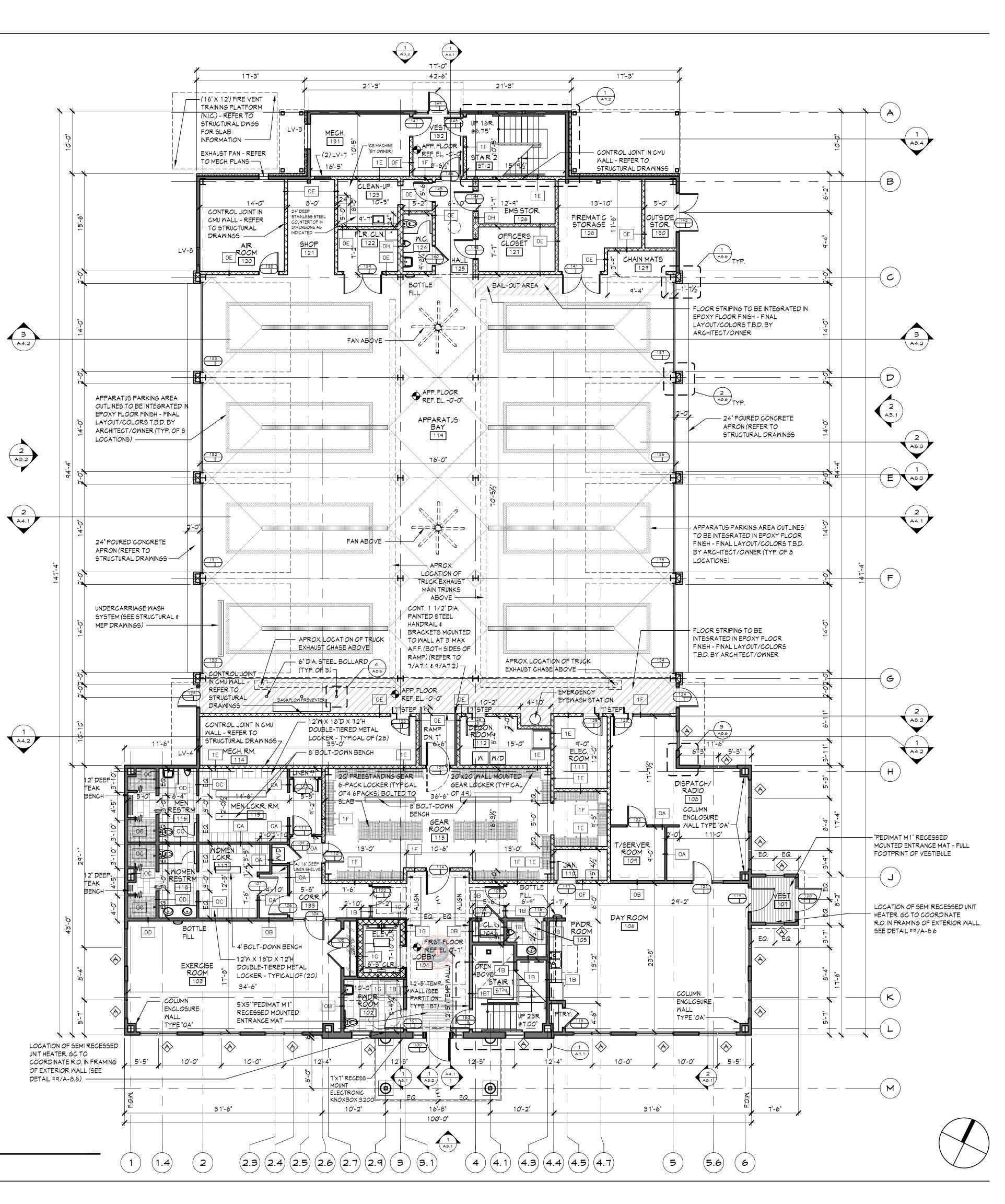
SHEATHING PANELS, PLYWOOD OR ORIENTED STRAND BOARD ("OSB"), SHALL CONFORM TO U.S. PRODUCT STANDARD PS-1, AND BEAR THE APA GRADE-TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION. ONLY PLYWOOD SHALL BE USED ON FLOORS. 2. SHEATHING PANELS FOR FLOORS, ROOF, AND WALLS SHALL BE APA RATED SHEATHING, EXPOSURE 1, WITH A MINIMUM SPAN INDEX RATING OF 32/16. SEE ARCHITECTURAL PLANS FOR THICKNESS.

3. SHEATHING PANELS ON FLAT SURFACES SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR ACROSS SUPPORTS AND CONTINUOUS OVER TWO OR MORE SPANS. PROVIDE 1/8" SPACE BETWEEN PANEL EDGES PARALLEL TO FACE GRAIN, 1/16" SPACE BETWEEN PANEL EDGES OVER SUPPORTING MEMBERS.

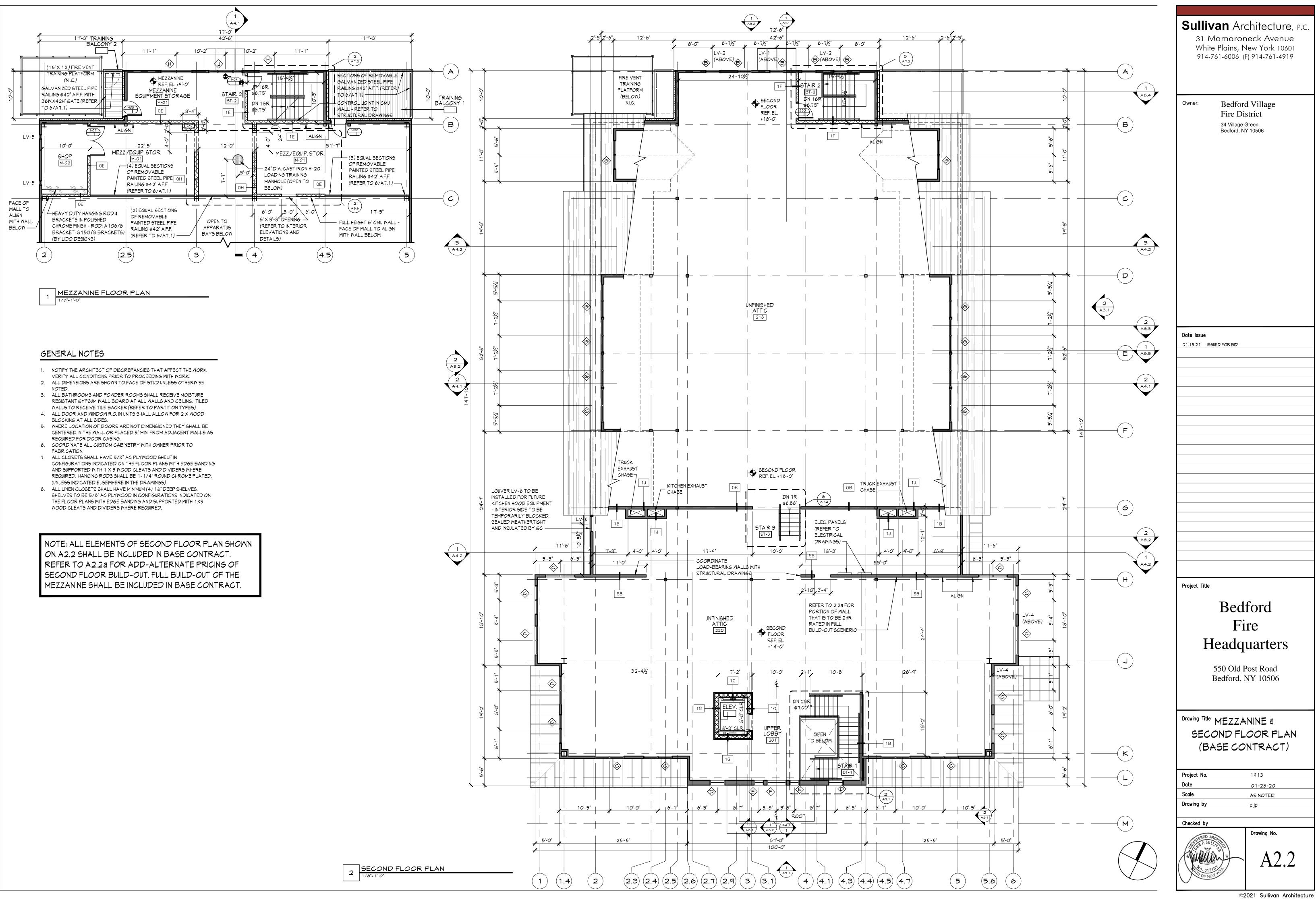




SHELVES TO BE 5/8" AC PLYWOOD IN CONFIGURATIONS INDICATED C THE FLOOR PLANS WITH EDGE BANDING AND SUPPORTED WITH 1X3 WOOD CLEATS AND DIVIDERS WHERE REQUIRED.



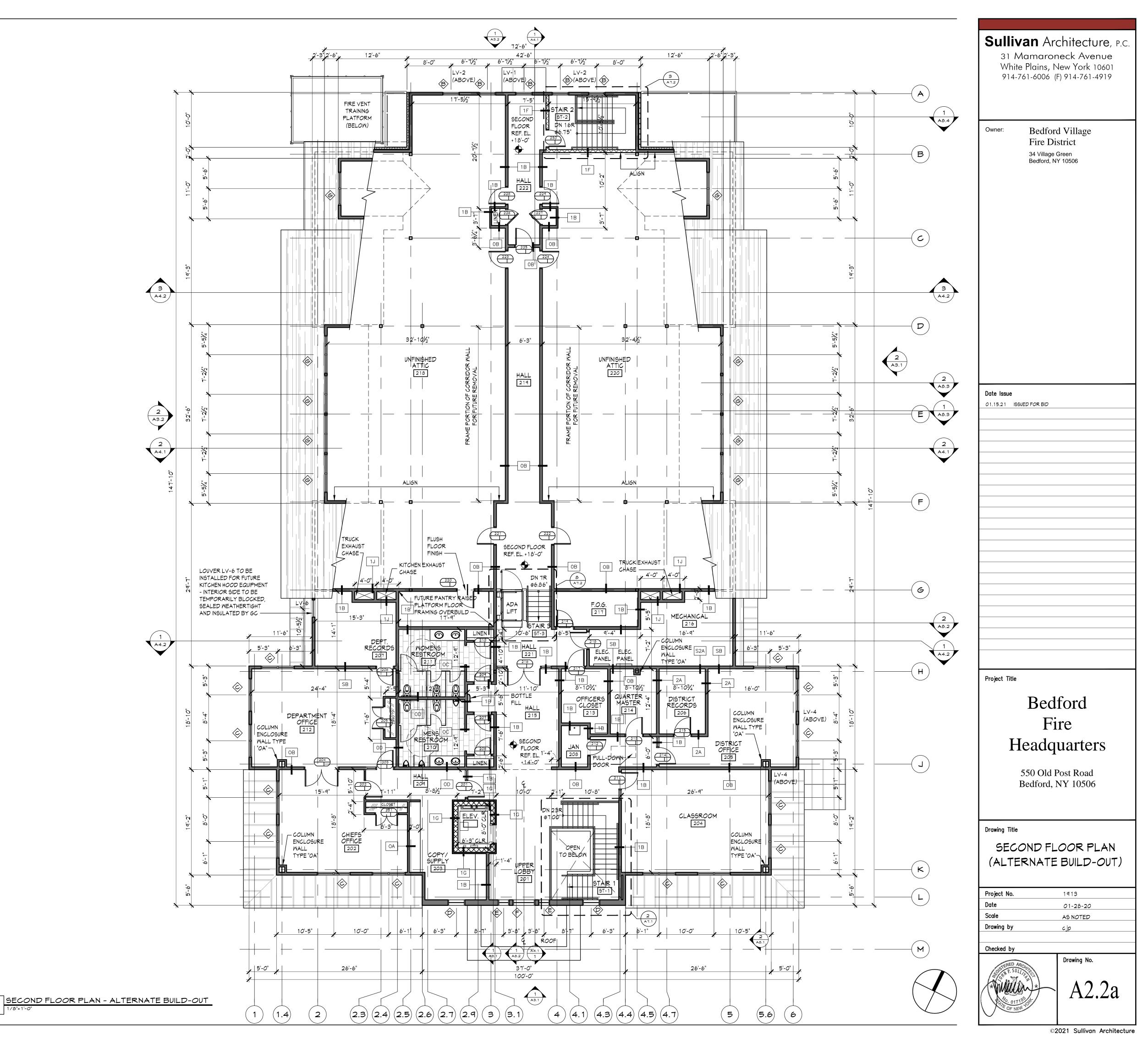
Sullivan Arc 31 Mamarone White Plains, Ne 914-761-6006 (F)	eck Avenue ew York 10601
Owner: Bedford Fire Dist 34 Village Gr Bedford, NY	reen
Date Issue 01.15.21 ISSUED FOR BID	
Project Title Bedf Fit	e
Headqu 550 Old Po Bedford, N	ost Road
Drawing Title FIRST FLOC	OR PLAN
	1913 01-28-20 AS NOTED cjp
Checked by	Drawing No. A2.1

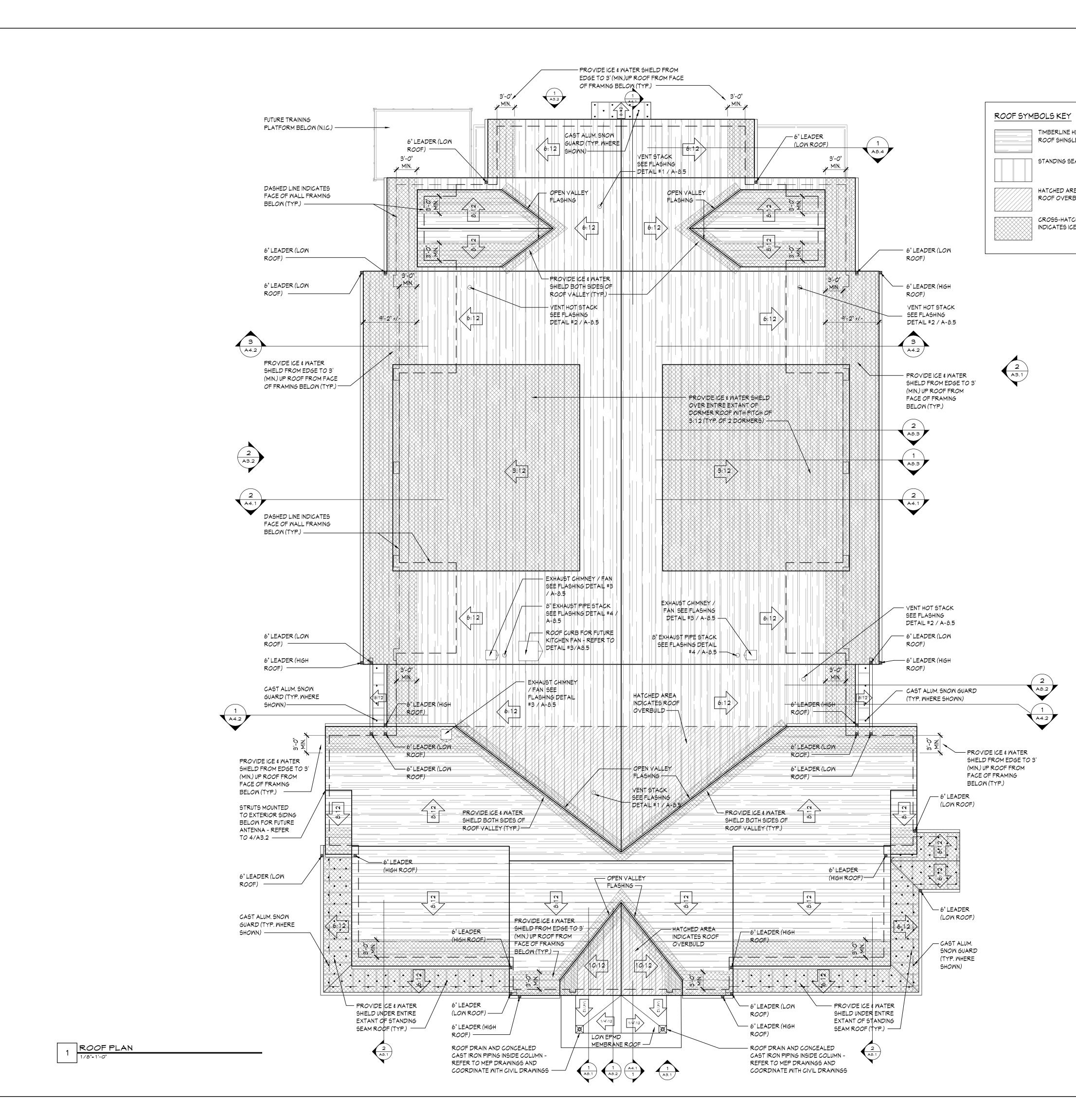


# GENERAL NOTES

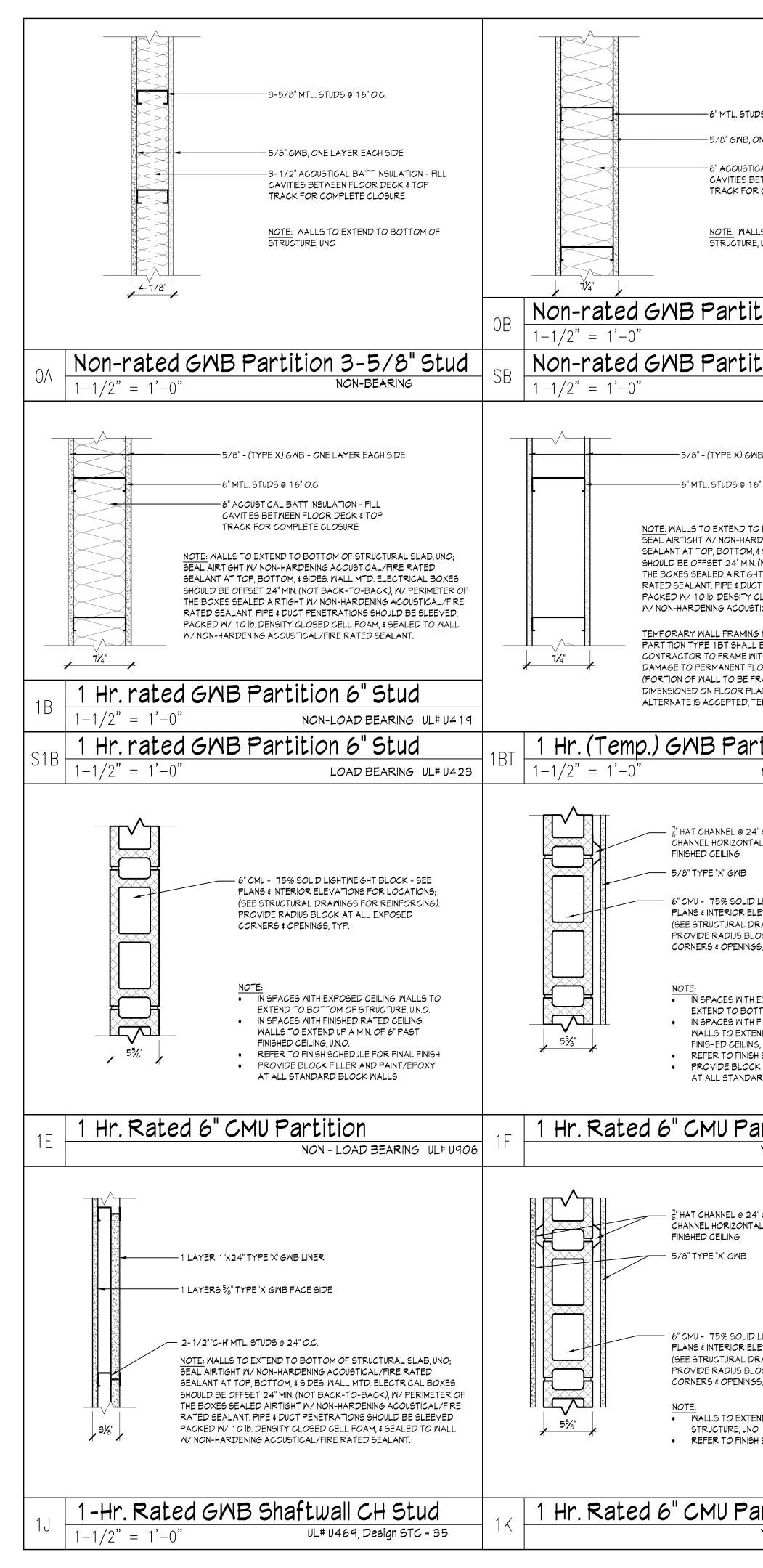
- NOTIFY THE ARCHITECT OF DISCREPANCIES THAT AFFECT THE WORK 1 VERIFY ALL CONDITIONS PRIOR TO PROCEEDING WITH WORK.
- 2. ALL DIMENSIONS ARE SHOWN TO FACE OF STUD UNLESS OTHERWISE
- NOTED. 3. ALL BATHROOMS AND POWDER ROOMS SHALL RECEIVE MOISTURE RESISTANT GYPSUM WALL BOARD AT ALL WALLS AND CEILING. TILED
- WALLS TO RECEIVE TILE BACKER (REFER TO PARTITION TYPES). 4. ALL DOOR AND WINDOW R.O. IN UNITS SHALL ALLOW FOR 2 X WOOD BLOCKING AT ALL SIDES.
- 5. WHERE LOCATION OF DOORS ARE NOT DIMENSIONED THEY SHALL BE CENTERED IN THE WALL OR PLACED 5" MIN. FROM ADJACENT WALLS AS REQUIRED FOR DOOR CASING.
- 6. COORDINATE ALL CUSTOM CABINETRY WITH OWNER PRIOR TO FABRICATION.
- 7. ALL CLOSETS SHALL HAVE 5/8" AC PLYWOOD SHELF IN CONFIGURATIONS INDICATED ON THE FLOOR PLANS WITH EDGE BANDING AND SUPPORTED WITH 1 X 3 WOOD CLEATS AND DIVIDERS WHERE REQUIRED. HANGING RODS SHALL BE 1-1/4" ROUND CHROME PLATED. (UNLESS INDICATED ELSEWHERE IN THE DRAWINGS)
- 8. ALL LINEN CLOSETS SHALL HAVE MINIMUM (4) 16" DEEP SHELVES. SHELVES TO BE 5/8" AC PLYWOOD IN CONFIGURATIONS INDICATED ON THE FLOOR PLANS WITH EDGE BANDING AND SUPPORTED WITH 1X3 WOOD CLEATS AND DIVIDERS WHERE REQUIRED.

NOTE: THE SECOND FLOOR PLAN BUILD-OUT SHOWN ON A 2.28 SHALL BE PRICED AS AN ADD-ALTERNATE. REFER TO A2.2 FOR ELEMENTS OF THE SECOND FLOOR THAT ARE INCLUDED IN THE BASE CONTRACT.





		Sullivan Architecture, p.c. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
HD ARCHITECTURAL LE (OR EQUAL) EAM METAL ROOF REA INDICATES BUILD CHED AREA LE & WATER SHIELD		Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
		Date Issue 01.15.21 ISSUED FOR BID
		Project Title Dodford
		Bedford Fire Headquarters 550 Old Post Road Bedford, NY 10506
		Drawing Title ROOF PLAN Project No. 1913 Date 01-28-20 Scale A5 NOTED
		Drawing by cjp Checked by Checked by Drawing No. A2.3



Non-zated Toilet Rm. Part. 3-5/8' Stud       Non-rated Toilet Rm. Part. 3-5/8' Stud         1:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0	B, ONE LAYER EACH SIDE BTICAL BATT INSULATION - FILL B BETWEEN FLOOR DECK & TOP FOR COMPLETE CLOSURE NALLS TO EXTEND TO BOTTOM OF JRE, UNO	5/8" "MOLD TOUGH" MOLD & MILDEW RESISTANCE GWB, ONE LAYER ON TOILET ROOM SIDE (NOTE: PROVIDE MOLD TOUGH ON BOTH SIDES WHEN BOTH SIDES ARE WITHIN TOILET ROOM) 3-1/2" ACOUSTICAL BATT INSULATION - FILL CAVITIES BETWEEN FLOOR DECK & TOP TRACK FOR COMPLETE CLOSURE NOTE: • WALLS TO EXTEND TO BOTTOM OF STRUCTURE, UNO • 5/8" DENS-GUARD TILE BACKER TO BE USED BEHIND AREAS OF WALL TILE	
Investight of the structure of the structur	NON-BEARING	Non-rated Toilet Rm. Part. 3-5/8" Stud	
PERFERENCY ALL BROTEBLARY       OF       Non-Rated 6" CMU Partition       OF       Non-Rated 6" CMU         Statistion 6" Stud       OF       Non-Rated 6" CMU Partition       OF       Non-Rated 6" CMU         NON-LOAD BEARING       ULFUG141*       OF       Non-Rated 6" CMU Partition       OF       Non-Rated 6" CMU         Statistion 6" Statistics       OF       Non-Rated 6" CMU Partition       OF       Non-Rated 6" CMU         Statistics       Statistics       Statistics       Statistics       Statistics       OF       Non-Rated 6" CMU         Statistics	2 16" O.C. 2 TO BOTTOM OF STRUCTURAL SLAB, UNO; 2 ARDENING ACOUSTICAL/FIRE RATED 2 M, & SIDES. WALL MTD. ELECTRICAL BOXES 4 N. (NOT BACK-TO-BACK), W/ PERIMETER OF 4 GIGHT W/ NON-HARDENING ACOUSTICAL/FIRE 2 DUCT PENETRATIONS SHOULD BE SLEEVED, 4 Y CLOSED CELL FOAM, & SEALED TO WALL 4 DUSTICAL/FIRE RATED SEALANT. 4 MING NOTE: ALL BE FRAMED FOR FUTURE REMOVAL. 5 WITH NO ANCHORAGE TO FLOOR OR 5 FLOOR FINISH E FRAMED AS TEMPORARY IS SPECIFICALLY	ELEVATIONS FOR LOCATIONS; (SEE STRUCTURAL DRAWINGS FOR REINFORCING). PROVIDE RADIUS BLOCK AT ALL EXPOSED CORNERS & OPENINGS, TYP. NOTE: NO: NO: NO: NO: NO: NO: NO: N	CHANNE FINISHED 5/8" TYP 6" CMU - ELEVAT DRAWIN BLOCK TYP. NOTE: • IN S EXT • IN S EXT • IN S EXT • IN S EXT • IN S • EXT • CHU-
24 26 VERGELT V/1         14 26 VERGELT V/1         15 STREAL T/V1         15 STREAL T/V1         15 STREAL T/V1         16 STREAL T/V1         16 STREAL T/V1         17 STREAL T/V1         16 STREAL T/V1         17 STREAL T/V1         16 STREAL T/V1         17 STREAL T/V1         18 STREAL T/V1         18 STREAL T/V1         19 STREAL T/V1         10 STREAL T/V1         10 STREAL T/V1         10 STREAL T/V1         10 STREAL T/V1         11 STREAL T/V1	artition 6" Stud		OF Non-Rated 6" CM
NON - LOAD BEARING UL# U906       IG       UH         24'OC. VERTICALLY W/ 1 NTAL # 3' AFF, is' BELOW       5/8' TYPE'X' GWB, TAO LAYERS EACH BIDE TYPICAL       IL LAYERS 1''T         24'OC. VERTICALLY W/ 1 NTAL # 3' AFF, is' BELOW       6' MTL STUDS # 16'OC.       6' MTL STUDS # 16'OC.       6' ACOUSTCAL BATT INSULATION - FILL CAVITES BETWEEN FLOOD DECK # TOP TRACK FOR COMPLETE CLOSURE       2:1/2''C-T' WT         3''       0''       6' MTL STUDS # 16'OC.       6' ACOUSTCAL BATT INSULATION - FILL CAVITES BETWEEN FLOOD DECK # TOP TRACK FOR COMPLETE CLOSURE       0'''         1''       0'''       0''''       0'''''       0''''''''''''''''''''''''''''''''''''	NTAL @ 3" A.F.F. & 3" BELOW 3 LID LIGHTWEIGHT BLOCK - SEE ELEVATIONS FOR LOCATIONS; DRAWINGS FOR REINFORCING). BLOCK AT ALL EXPOSED INGS, TYP. TH EXPOSED CEILING, WALLS TO 30TTOM OF STRUCTURE, U.N.O. TH FINISHED RATED CEILING, (TEND UP A MIN. OF 6" PAST LING, U.N.O. NISH SCHEDULE FOR FINAL FINISH OCK FILLER AND PAINT/EPOXY	ELEVATIONS FOR LOCATIONS; (SEE STRUCTURAL DRAWINGS FOR REINFORCING). PROVIDE RADIUS BLOCK AT ALL EXPOSED CORNERS & OPENINGS, TYP. <sup>1</sup> / <sub>8</sub> HAT CHANNEL @ 24" O.C. VERTICALLY W/ 1 CHANNEL HORIZONTAL @ 3" A.F.F. & 3" BELOW FINISHED CEILING 5/8" TYPE "X" GWB NOTE: • ASSEMBLE WALL PER UNDERWRITERS LABORATORY FIRE RESISTANCE RATING REQUIREMENTS • REFER TO FINISH SCHEDULE FOR FINAL FINISH • PROVIDE BLOCK FILLER AND PAINT/EPOXY AT	
24' OC. VERTICALLY W/ 1 TAL & 3' AFF. & 3' BELON			OH Non-Rated 10" C
ID LIGHTWEIGHT BLOCK - SEE         LID LIGHTWEIGHT BLOCK - SEE         LEEVATIONS FOR LOCATIONS;         DRANINGS FOR REINFORCING).         BLOCK AT ALL EXPOSED         NGS, TYP.         NO		6" MTL. STUDS @ 16" O.C. 6" ACOUSTICAL BATT INSULATION - FILL CAVITIES BETWEEN FLOOR DECK & TOP TRACK FOR COMPLETE CLOSURE	2-1/2" 'C-T' MT
Partition 2-Hr. Rated GWB Partition 6" Studs 2-Hr. Rated Horiz	ELEVATIONS FOR LOCATIONS; DRAWINGS FOR REINFORCING). BLOCK AT ALL EXPOSED INGS, TYP. (TEND TO BOTTOM OF JNO	UNO; SEAL AIRTIGHT W/ NON-HARDENING ACOUSTICAL/FIRE RATED SEALANT AT TOP, BOTTOM, ¢ SIDES. WALL MTD. ELECTRICAL BOXES SHOULD BE OFFSET 24" MIN. (NOT BACK-TO-BACK), W/ PERIMETER OF THE BOXES SEALED AIRTIGHT W/ NON-HARDENING ACOUSTICAL/FIRE RATED SEALANT. PIPE ¢ DUCT PENETRATIONS SHOULD BE SLEEVED, PACKED W/ 10 lb. DENSITY CLOSED CELL FOAM, ¢ SEALED TO WALL W/ NON-HARDENING ACOUSTICAL/FIRE RATED SEALANT. 20	ADJACENT RA NON-HARDENIN TOP, BOTTOM, OFFSET 24" MIN THE BOXES SE, ACOUSTICAL/F PENETRATIONS DENSITY CLOSS
		$2A = 1^{-0^{\circ}} $	

-6" MTL. STUDS @ 16" O.C.	GENERAL NOTE: WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE - FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS	Sullivan Architecture, P.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
- 5/8" "MOLD TOUGH" MOLD & MILDEW RESISTANCE	OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE.	
GWB, ONE LAYER ON TOILET ROOM SIDE		Owner: Bedford Village
CAVITIES BETWEEN FLOOR DECK & TOP TRACK FOR COMPLETE CLOSURE		Fire District 34 Village Green
<ul> <li>NOTE:</li> <li>WALLS TO EXTEND TO BOTTOM OF STRUCTURE, UNO</li> <li>5/8" DENS-GUARD TILE BACKER TO BE USED BEHIND AREAS OF WALL TILE</li> </ul>		Bedford, NY 10506
RM. Partition 6" Stud NON-BEARING		
AT CHANNEL @ 24" O.C. VERTICALLY W/ 1		
NNEL HORIZONTAL @ 3" A.F.F. & 3" BELOW HED CEILING ' TYPE "X" GWB		
MU - HOLLOW BLOCK - SEE PLANS & INTERIOR /ATIONS FOR LOCATIONS; (SEE STRUCTURAL		
WINGS FOR REINFORCING). PROVIDE RADIUS CK AT ALL EXPOSED CORNERS & OPENINGS,		
E:		01.15.21 ISSUED FOR BID
IN SPACES WITH EXPOSED CEILING, WALLS TO EXTEND TO BOTTOM OF STRUCTURE, U.N.O. IN SPACES WITH FINISHED CEILING, WALLS TO		
EXTEND UP A MIN. OF 6" PAST FINISHED CEILING, U.N.O. REFER TO FINISH SCHEDULE FOR FINAL FINISH		
PROVIDE BLOCK FILLER AND PAINT/EPOXY AT ALL STANDARD BLOCK WALLS		
MU Partition		
NON - LOAD BEARING		
FOR LOCATIONS; (SEE STRUCTURAL DRAWINGS FOR REINFORCING). PROVIDE RADIUS BLOCK AT ALL EXPOSED CORNERS & OPENINGS, TYP.		
NOTE: • WALLS TO EXTEND TO BOTTOM OF		
STRUCTURE, UNO • REFER TO FINISH SCHEDULE FOR FINAL FINISH • PROVIDE BLOCK FILLER AND PAINT/EPOXY		
AT ALL STANDARD BLOCK WALLS		Project Title
		Bedford
		Fire
CMU Partition		Headquarters
" "TYPE X" SHAFTLINER		550 Old Post Road Bedford, NY 10506
" MTL. STUDS @ 16" O.C. 9 OF 1/2" "TYPE X" GYPSUM BD.		Drawing Title
		PARTITION TYPES
ZONTAL MEMBRANE TO EXTEND TO RATED WALLS; SEAL AIRTIGHT W/		
ENING ACOUSTICAL/FIRE RATED SEALANT AT OM, & SIDES. ELECTRICAL BOXES SHOULD BE " MIN. (NOT BACK-TO-BACK), W/ PERIMETER OF SEALED AIRTIGHT W/ NON-HARDENING		Project No.         1913           Date         01-28-20
SEALED AIRTIGHT W/ NON-HARDENING L/FIRE RATED SEALANT. PIPE & DUCT ONS SHOULD BE SLEEVED, PACKED W/ 10 lb. LOSED CELL FOAM, & SEALED TO WALL W/		Scale     AS NOTED       Drawing by     c jp
ENING ACOUSTICAL/FIRE RATED SEALANT.		Checked by
izontal Membrane		Drawing No.

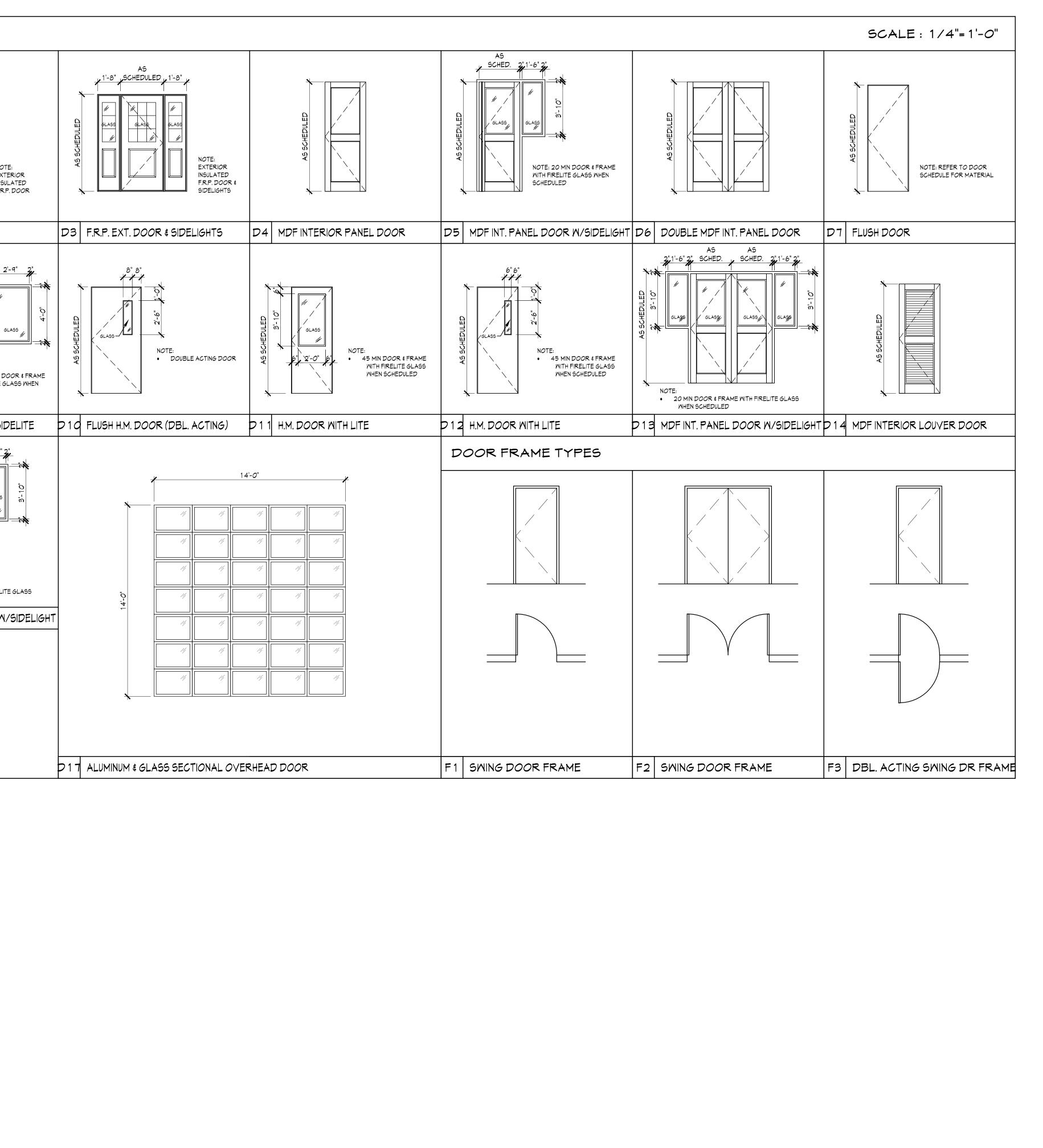
	DOORS	DOOR SCHEDULE								
	DOOR DOOR FRAME SIZE V DETAIL V MIDTH HEIGHT THICK, C J HEAD JAMB SILL V R REMARKS	DOOR ROOM NAME DOOR FRAME DOOR FRAME DOOR FRAME								
DOOR NUMBER ROOM NAME	AL A	DOOR NUMBER ROOM NAME SIZE AN DETAIL DETAIL REMARKS								
FIRST FLOOR		MEZZANINE								
100 LOBBY	D1       AL / MD       3'-8"       8'-0"       1 3/4"       F1       AL / MD       H3       J3       52       1       DOOR: MARVIN UCD3680 SIDELITE: MARVIN UCD1680 (TYP OF 2)	MO1 DRYING ROOM D8 HM 6'-0" 7'-0" 13/4" F2 HM H2 J2 51 26								
101 PWDR. RM.	D4 MDF 3'-0" 8'-0" 13/4" F1 HM H1 J1 53 14 C	MO2         TRAINING BALCONY         D7         STL         3'-0"         1'-0"         1 3/4"         F1         HM         H5         J5         S8         22         INSULATED STEEL DOOR								
102 LOBBY	D5 MDF 3'-0" 8'-0" 13/4" F1 HM H1 J1 54 4 C	MO3         TRAINING PLATFORM         D7         STL         3'-0"         1'-0"         1 3/4"         F1         HM         H5         J5         58         22         INSULATED STEEL DOOR								
103 LOBBY	D5 MDF 3'-O" 8'-O" 13/4" F1 HM H1 J1 54 4 C	M04 STAIR 2 D12 HM 3'-0" 7'-0" 13/4" F1 HM H2 J2 56 10 C								
	D 16 MDF 3'-0" 8'-0" 13/4" F1 HM H1 J1 56 4									
	D6 MDF 6'-0" 8'-0" 13/4" F2 HM H1 J1 51 27									
	D4     MDF     3'-O"     3'/4"     F1     HM     H1     J1     51     15									
	D7 HM 3'-0" 8'-0" 13/4" F1 HM H1 J1 51 15									
107 NOMEN LORK. RM. 108 NOT USED										
	D 14 MDF 2'-8" 8'-0" 1 3/4" F1 HM H1 J1 51 11									
	D11 HM 3'-O" 8'-O" 13/4" F1 HM H6 J6 51 6 C									
	D4 MDF 3'-0" 8'-0" 13/4" F1 HM H1 J1 51 15									
112 LINEN	D8 HM 4'-0" 8'-0" 13/4" F2 HM H1 J1 51 27									
113 NOT USED										
114 GEAR ROOM	D11 HM 3'-8" 8'-0" 13/4" F1 HM H6 J6 54 6 C									
115 CLOSET	D4 MDF 3'-0" 8'-0" 13/4" F1 HM H1 J1 54 11									
116 PWDR. RM.	D4 MDF 3'-0" 8'-0" 13/4" F1 HM H1 J1 55 14									
117 JANITOR	D4         MDF         3'-O"         3'-O"         1 3/4"         F1         HM         H6         J6         56         8         A									
118 PANTRY	D4     MDF     3'-O"     8'-O"     1 3/4"     F1     HM     H1     J1     51     12									
119 DAY ROOM	D11 HM 3'-8" 8'-0" 13/4" F1 HM H1 J1 51 3	SECOND FLOOR								
	D3     FRP     3'-8"     8'-0"     1 3/4"     F1     HM     H5     J5     S7     2     INSULATED F.R.P. DOOR & SIDELIGHTS	201 UPPER LOBBY D5 MDF 3'-0" 13/4" F1 HM H1 J1 51 7 C								
121 DISPATCH/RADIO	D5 MDF 3'-0" 8'-0" 13/4" F1 HM H1 J1 51 4	202     CHIEF'S OFFICE     D5     MDF     3'-O"     13/4"     F1     HM     H1     J1     59     7								
	D4 MDF 3'-0" 8'-0" 13/4" F1 HM H1 J1 56 7	202 DEPARTMENT OFFICE D5 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 59 7								
123 DISPATCH/RADIO	D 4 HM 3'-O" 8'-O" 13/4" F1 HM H6 J6 56 6 C	203         DEFARTMENT OFFICE         D6         MDF         6'-0"         7'-0"         1 3/4"         F2         HM         H1         J1         S1         25								
124 APPARATUS BAY										
	D7 HM 3'-0" 8'-0" 13/4" F1 HM H2 J2 56 17	206     DEPT. RECORDS     D4     MDF     3'-O"     1 3/4"     F1     HM     H1     J1     59     8								
126 DECON ROOM	D7 HM 3'-0" 8'-0" 13/4" F1 HM H2 J2 51 11a	207 MENS RESTROOM D4 MDF 3'-O" 13/4" F1 HM H1 J1 55 11 C								
127 GEAR ROOM	D10 HM 3'-8" 8'-0" 13/4" F3 HM H2 J2 51 5	208 LINEN D7 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 21								
128 MECHANICAL RM.	D7 HM 3'-0" 8'-0" 13/4" F1 HM H2 J2 56 17	209 WOMENS RESTROOM D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 55 11 C								
	D2 FRP 3'-0" 8'-0" 13/4" F1 HM H5 J5 57 3 INSULATED F.R.P. DOOR	210 LINEN D7 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 21								
130 APPARATUS BAY	D 17 AL / 14'-0" 14'-0" STL REFER TO 2/A8.3 30 SECTIONAL OVERHEAD DOOR	211 CLASSROOM D5 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 59 7 C								
131 APPARATUS BAY	D 17 AL / 14'-0" 14'-0" STL REFER TO 2/A8.3 30 SECTIONAL OVERHEAD DOOR	212 JANITOR D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 56 8								
132 APPARATUS BAY	D 17 AL / 14'-0" 14'-0" STL REFER TO 2/A8.3 30 SECTIONAL OVERHEAD DOOR	213 QUARTER MASTER D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 8 C								
133 APPARATUS BAY	D 17 AL / GL 14'-0" 14'-0" STL REFER TO 2/A8.3 30 SECTIONAL OVERHEAD DOOR	214 DISTRICT OFFICE D5 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 59 7 C								
134 APPARATUS BAY	D 17 AL / GL 14'-0" 14'-0" STL REFER TO 2/A8.3 30 SECTIONAL OVERHEAD DOOR	215 DISTRICT RECORDS D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 59 8 B 2 HR RATED STORAGE ROOM								
135 APPARATUS BAY	D 17 AL / GL 14'-0" 14'-0" STL REFER TO 2/A8.3 30 SECTIONAL OVERHEAD DOOR	216 HALL D13 MDF 6'-0" T'-0" 13/4" F2 HM H1 J1 51 23 C								
	D17         AL / GL         14'-0"         14'-0"         STL         REFER TO 2/A8.3         30         SECTIONAL OVERHEAD DOOR	217 OFFICERS CLOSET D4 MDF 3'-O" 7'-O" 13/4" F1 HM H1 J1 51 8 C								
137 APPARATUS BAY	AL / GL         14'-0"         14'-0"         STL         REFER TO 2/A8.3         30         SECTIONAL OVERHEAD DOOR	218 MECHANICAL D4 MDF 3'-O" 7'-O" 13/4" F1 HM H1 J1 56 16 C								
	D7     HM     3'-O"     T'-O"     1 3/4"     F1     HM     H2     J2     51     1 1a	219 F.O.G. D4 MDF 3'-O" 7'-O" 13/4" F1 HM H1 J1 51 8								
	D8     HM     6'-O"     7'-O"     1 3/4"     F2     HM     H2     J2     51     26	220 ATTIC (FUTURE PANTRY) D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 8								
	D7 HM 3'-0" 7'-0" 13/4" F1 HM H2 J2 51 18	221 ATTIC (FUTURE KITCHEN) D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 8								
	D8     HM     6'-O"     7'-O"     1 3/4"     F2     HM     H2     J2     56     28	221     ATTIC (FUTURE STOR.)     D4     MDF     3'-0"     1'-0"     1 3/4"     F1     HM     H1     J1     51     11								
		222 ATTIC (FUTURE STOR.) D4 MDF 3-0" 7-0" 13/4" F1 HM H1 J1 51 11 223 ATTIC (FUTURE REST.RM.) D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 14								
	D7 HM 3'-0" 7'-0" 13/4" F1 HM H2 J2 56 9	224 ATTIC (FUTURE REST.RM.) D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 14								
	D7 HM 3'-0" 7'-0" 13/4" F1 HM H2 J2 56 9	225       HALL       D4       MDF       3'-O"       1 3/4"       F1       HM       H1       J1       S1       10a								
	D7 HM 3'-O" 7'-O" 13/4" F1 HM H2 J2 51 11a	226 STORAGE D4 MDF 2'-8" 7'-0" 13/4" F1 HM H1 J1 51 16								
146 VESTIBULE	D11 HM 3'-O" 7'-O" 13/4" F1 HM H6 J6 51 13 C	227 STOR. (FUTURE LAUND.) D14 MDF 2'-8" 7'-0" 13/4" F1 HM H1 J1 51 16								
147 MECHANICAL	D7 HM 3'-0" 7'-0" 13/4" F1 HM H6 J6 56 17 C	228 ATTIC (FUTURE DORM) D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 7 C								
148 STAIR 2	D12 HM 3'-O" 7'-O" 13/4" F1 HM H6 J6 56 4 C	229 ATTIC (FUTURE DORM) D4 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 7 C								
149 VESTIBULE	D3 FRP 3'-0" 7'-0" 13/4" F1 HM H5 J5 57 3 INSULATED F.R.P. DOOR & SIDELIGHTS	230 STAIR 2 D12 HM 3'-0" 7'-0" 13/4" F1 HM H6 J6 56 10 C								
150 STAIR 1	D7 MDF 3'-0" 7'-0" 13/4" F1 HM H1 J1 51 10 C DOOR & HARDWARE TO BE IN TEMPORARY WALL - IF FULL SECOND FLOOR BUILD-OUT ALTERNATE IS ACCEPTED DOOR IS NOT REQUIRED	231 STORAGE D6 MDF 4'-0" 7'-0" 13/4" F2 HM H1 J1 51 27								
L I										

ISH	GLAZING			INSECT S	CREEN	GRILL TYPE	REMARKS	
OR	THICKNESS	TYPE	FINISH	FRAME	TYPE	GRILLTIFE	REMARNS	SYMBO
BE STED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	A
BE STED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE		В
BE STED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	c
BE STED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE		D
BE STED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE		E
BE STED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE		F
BE STED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	G
BE STED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	н
BE STED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	L

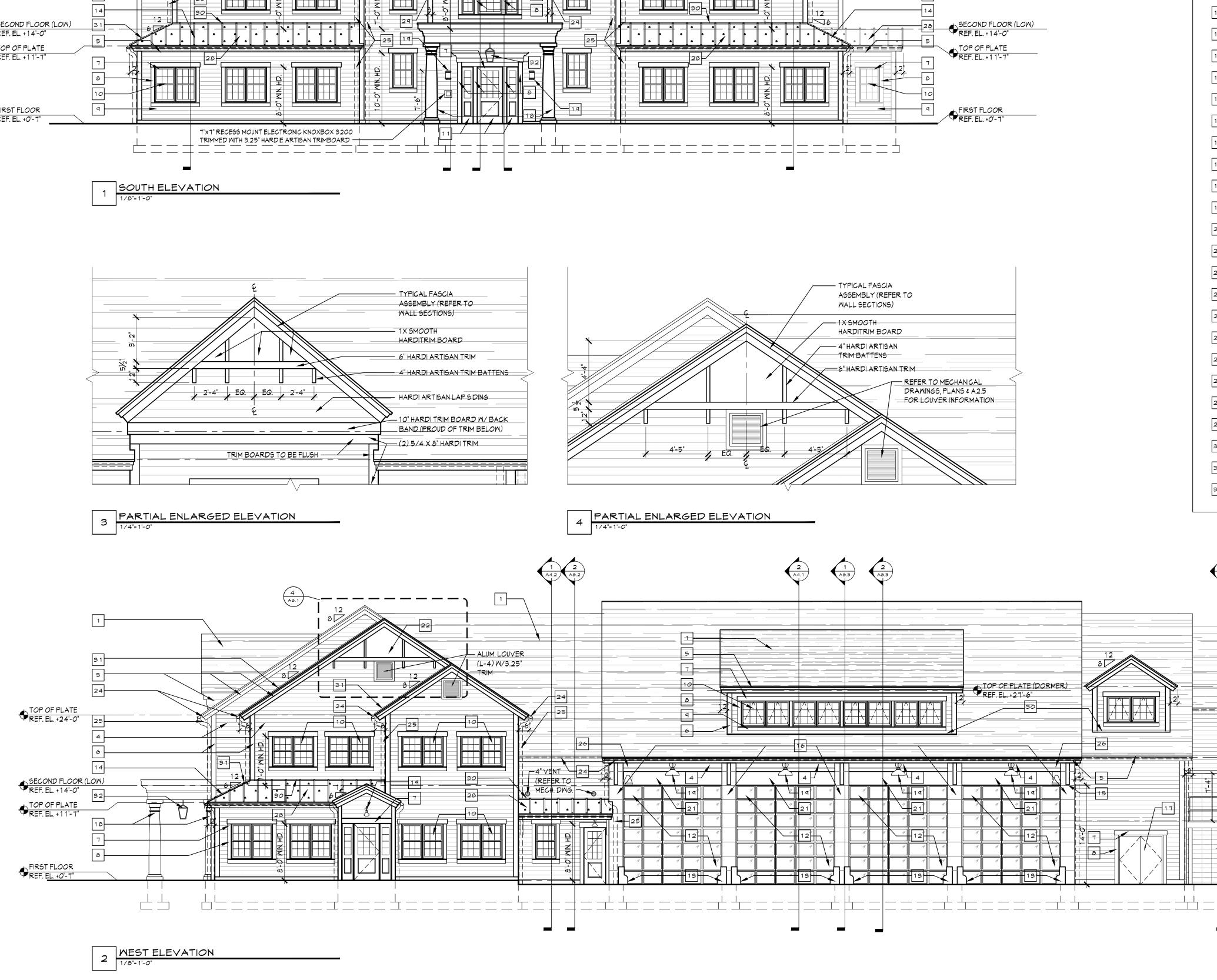
						MIN	DON SO	CHEDULE						
SYMBO	BOL MANUFACTURER	MINDOM	TYPE	FINI	бН	FINISH		GLAZING	ZING		BCREEN	GRILL TYPE	REMARKS	SYMBOL
BTMBO		MODEL		EXTERIOR	INTERIOR	COLOR	THICKNESS	TYPE	FINISH	FRAME	TYPE	GRIEL I I FE		STMBOL
A		"ELEVATE" ELDH3660 2W E	D.H.	FIBERGLASS	MOOD	TO BE SELECTED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	A
в		"ELEVATE" ELDH3660 E	D.H.	FIBERGLASS	MOOD	TO BE SELECTED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE		в
С		"ELEVATE" ELDH3652 2M	D.H.	FIBERGLASS	MOOD	TO BE SELECTED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	с
D		"ELEVATE" ELDH3652	D.H.	FIBERGLASS	MOOD	TO BE SELECTED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE		ע
E		"ELEVATE" ELDH2272	D.H.	FIBERGLASS	MOOD	TO BE SELECTED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE		E
F		"ELEVATE" ELDH4272E	D.H.	FIBERGLASS	MOOD	TO BE SELECTED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE		F
G		"ELEVATE" ELAMN 4139 2M	AMNING	FIBERGLASS	MOOD	TO BE SELECTED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	G
н		"ELEVATE" ELDH3648 2M	D.H.	FIBERGLASS	MOOD	TO BE SELECTED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	н
L		"ELEVATE" (2) ELDH2648 \$(1) ELDH3648	D.H.	FIBERGLASS	WOOD	TO BE SELECTED	7/8"	LOW E2 (ARGON)	CLEAR	EXTRUDED	ALUMINUM	SIM. DIVIDED LITE	MULLED UNITS	L

$ \begin{array}{c} \hline \\ \hline \\ \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	-0- -0-	31 Mamaron White Plains, N 914-761-6006 (F	lew York 10601 ) 914-761-4919 d Village strict Green
$\frac{5' \cdot 0'}{L^{V-3} \text{ ALUMINUM LOUVER}}$ $\frac{1}{1' \cdot 4'}$ $L^{V-5} \text{ ALUMINUM LOUVER}$ $\frac{1}{1' \cdot 4'}$ $L^{V-5} \text{ ALUMINUM LOUVER}$ $\frac{1}{1' \cdot 4'}$ $L^{V-5} \text{ ALUMINUM LOUVER}$ $\frac{1}{1' \cdot 4'}$ $\frac{1}{1' $		Date Issue D1.15.21 ISSUED FOR BID	
TO BE COORDINATED AND SUPPLIED BY MECHANICAL CONTRACTOR ALL EXTERIOR LOUVERS LOCATED IN SIDING TO BE TRIMMED BY ARTISAN 3.25 BOARD (ALL SIDES) - TYP. LOUVER SCHEDULE 1/2"-1"-0" NOTE: ALL DOORS AND ASSOCIATED HARDW. INCLUDED IN DASHED OUTLINE TO BE PRICED / ADD-ALTERNATE (REFER TO A2.2a)		Project Title Bed Fi Headq 550 Old F Bedford, N	re uarters Post Road
	Pr Dc Sc	Proving Title DOOR, W LOUVER S Project No. Project No	

GE	NERAL NOTES	DOOR TYPES	
DOC	DR & FRAME NOTES:		
1.	FOR DOOR OPERATION AND HAND, REFER TO FLOOR PLANS.	│ <u></u> <u> </u>	
2.	ALL FIRE RATED DOORS SHALL HAVE UL RATED HARDWARE. ALL FIRE RATED DOORS TO HAVE LATCHES.		
З.	ALL GLAZED DOORS SHALL HAVE TEMPERED SAFETY GLAZING. INTERIOR DOORS SHALL HAVE 1/4" THICK GLASS AND EXTERIOR DOORS SHALL HAVE INSULATED GLASS (DOUBLE GLAZING WITH AIR SPACE). ALL GLAZING AT RATED DOORS SHALL MEET UL REQUIREMENTS FOR S.F. BASED ON MATERIAL USED.	ASS SCHEDULED	AS SCHEDULED
4.	DOOR THRESHOLDS SHALL NOT EXCEED $1/2$ " IN HEIGHT. THRESHOLDS $\frac{1}{4}$ " BEVEL 1:2 RATIO MAX.		
5.	CLOSER OPENING FORCE SHALL NOT EXCEED & LBS. AT EXTERIOR DOORS AND 5 LBS AT INTERIOR DOORS.		<u></u> ,
6.	EXIT DOOR HARDWARE SHALL ALLOW DOOR TO BE OPENED FROM INSIDE WITHOUT KEY, SPECIAL KNOWLEDGE OR EFFORT.	D 1 WD. CLAD EXT. DOOR & SIDELIGHTS	D2 F.R.P. EXTERIOR DOOR
٦.	MANUALLY-OPERATED EDGE- OR SURFACE-MOUNTED FLUSH BOLTS ARE NOT PERMITTED AT EXIT DOORS.		2", 2'-9" 2", 2'-
8.	ALL PASSAGE DOORS WITH LATCHES OR LOCKING MECHANISMS SHALL BE EQUIPPED WITH SINGLE-EFFORT LEVER-TYPE HARDWARE, PANIC BARS, OR OTHER HARDWARE TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE HARDWARE. DOOR HARDWARE SHALL BE CENTERED BETWEEN 34" AND 48" ABOVE THE FLOOR		
٩.	ALL DOORS SHALL HAVE MIN. 10" SMOOTH SURFACE AT BOTTOM TO MEET ANSI REQUIREMENTS.		
1 <i>0</i> .	ALL RATED DOORS TO HAVE SMOKE SEALS, UL LABELS AND REQUIRED FIRE RATED COMPONENTS.	A A A A A A A A A A A A A A A A A A A	Υ <u>6", 2'-0"</u> NOTE: 45 MIN DC
1 1.	FIRE DOORS FOR OPENINGS IN FIRE RATED PARTITIONS SHALL COMPLY WITH SECTION 716 - OPENING PROTECTIVES. NON FIRE RATED GLAZING MATERIAL IN THE DOOR ASSEMBLY SHALL HAVE A MAXIMUM EXPOSED AREA OF 100 SQUARE INCHES.		
12.	ARCHITECT TO SELECT HM, MDF, FRP AND WD FINISH COLOR FOR DOORS AND FRAMES ENSURE WOOD DOOR HAS FINISH COAT AT EACH SIDE, INCLUDING TOP AND BOTTOM.	D8 DOUBLE FLUSH METAL DOOR	D9 H.M. DOOR WITH LITE & SID
13.	WHERE LOCATION OF DOORS ARE NOT DIMENSIONED, THEY SHALL BE CENTERED IN THE WALL OR PLACED 4-5/8" FROM ADJACENT WALL.	▶ □ □ □ □ 1	2"1'-6"2" SCHED. 2"1'-6"2"
14.	ALARM/SECURITY SYSTEM BY SECURITY VENDOR. COORDINATE WIRING DURING INSTALLATION.		CHASS GLASS
	ABBREVIATIONS:         AL, ALUM       ALUMINUM         ANOD       ANODIZED         PT       PAINT         HM       HOLLOW METAL         MD       MOOD         FF       FACTORY FINIH         STL       STEEL         HC       HOLLOW CORE WOOD         SC       SOLID CORE WOOD	AS SCHEDULED	NOTE: 20 MIN DOOR & FRAME WITH FIRELITE WHEN SCHEDULED
	AL/MIRR ALUMINUM MIRRORED DOOR FRP FIBERGLASS REINFORCED PLASTIC	D15 MDF INTERIOR PANEL DR. W/GLASS	D16 MDF INT. PANEL DOOR W/
	UL. DOOR LABEL:		
	C LABEL 45 MIN. FIRE RATING		

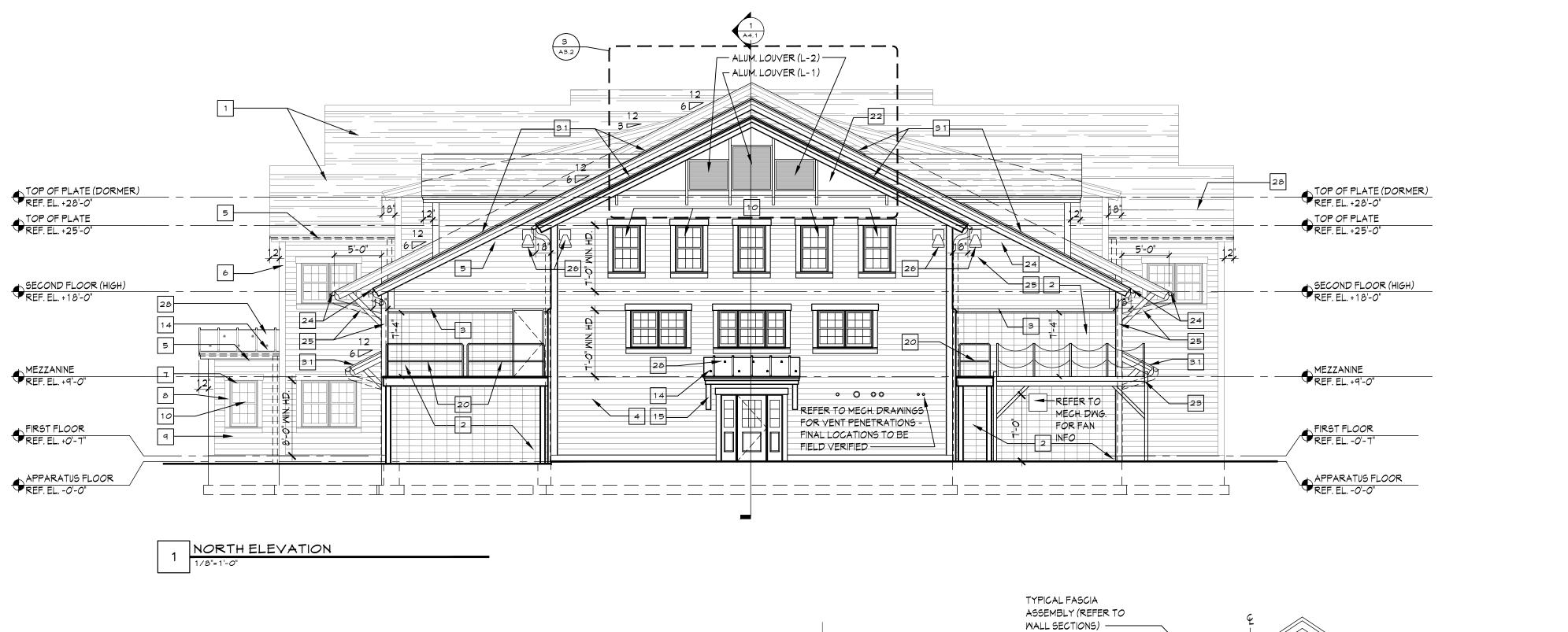


31 Mamaror White Plains, N	chitecture, p.C. neck Avenue New York 10601 F) 914-761-4919
Owner: Bedfor Fire Di 34 Village Bedford, N	Green
Date Issue 01.15.21 ISSUED FOR BID	
	ford
Headq 550 Old I	uarters Post Road NY 10506
Drawing Title DOOR Project No.	<b>TYPES</b>
Date Scale Drawing by Checked by	01-28-20 AS NOTED cjp
* WULLAN *	Drawing No. A2.6

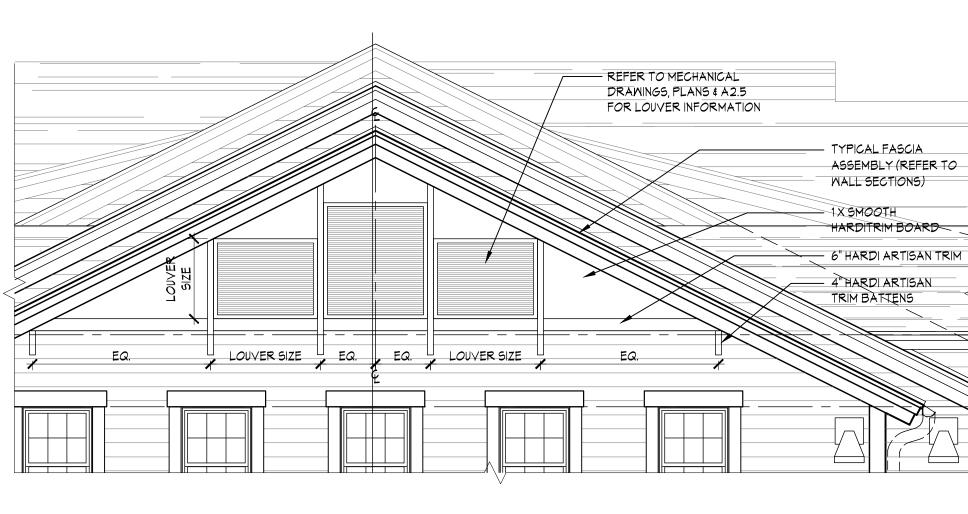




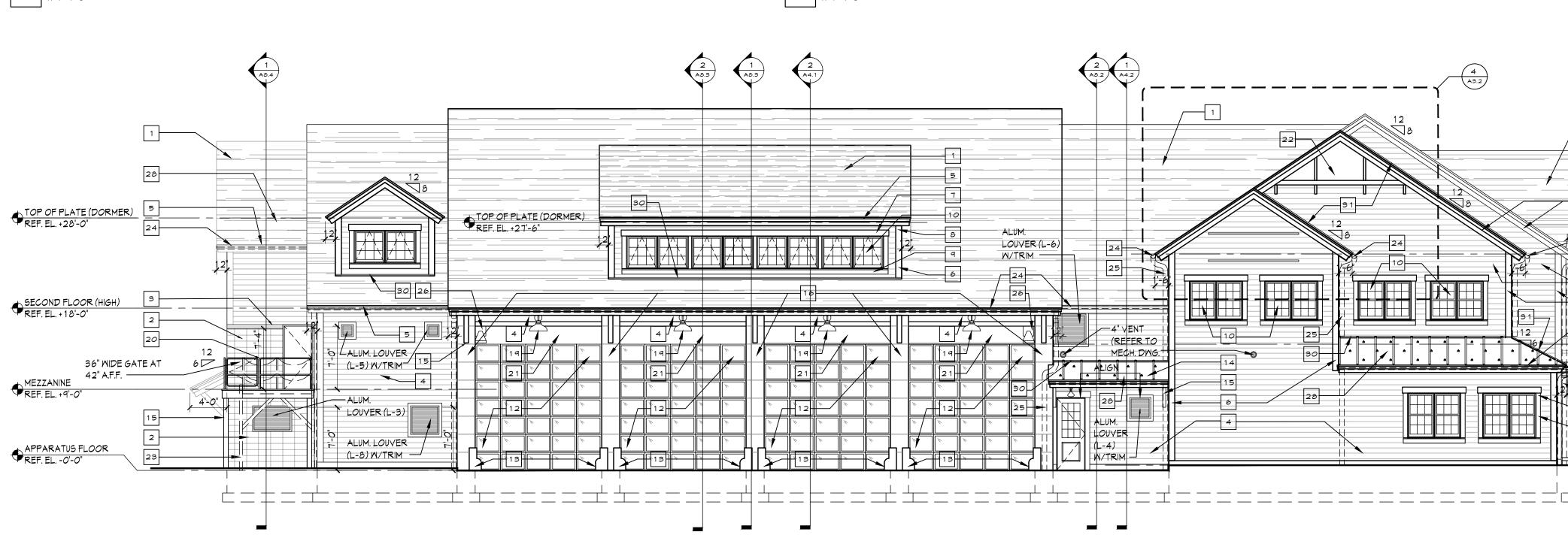
# Sullivan Architecture, p.c 31 Mamaroneck Avenue ELEVATION MATERIAL SCHEDULE White Plains, New York 10601 914-761-6006 (F) 914-761-4919 1 TIMBERLINE HD ARCHITECTURAL ROOF SHINGLE (OR EQUAL) 2 GROUND FACE CONC. BLOCK VENEER (STACK BOND) 3 PRECAST STONE COPING Bedford Village Owner: 4 HARDIE ARTISAN LAP SIDING (7" EXPOSURE) (OR EQUAL) Fire District 5 HARDIE TRIM FASCIA ASSEMBLY (OR EQUAL) 34 Village Green Bedford, NY 10506 6 HARDIE ARTISAN TRIM 6" CORNER BOARD (OR EQUAL) (TYP.) HARDIE TRIM 8" WINDOW/DOOR HEAD (OR EQUAL) (TYP.) B HARDIE ARTISAN TRIM 6" WINDOW/DOOR CASING (OR EQUAL) (TYP.) HARDIE ARTISAN TRIM 6" WINDOW APRON (OR EQUAL) (TYP.) 10 MARVIN "ELEVATE" DOUBLE-HUNG WINDOW (OR EQUAL) 11 MARVIN "ULTIMATE" ALUM.-CLAD COMMERCIAL WOOD DOOR (OR EQUAL) 12 14' X 14' ALUM. & GLASS OVERHEAD GARAGE DOOR 13 PAINTED STEEL CORNER GUARDS 14 STANDING SEAM METAL ROOF 15 COMPOSITE TRIMMED BRACKET (REFER TO SECTIONS & DETAILS) 16 24" HIGH PRECAST STONE PANEL 17 INSULATED STEEL DOOR 18 FIBERGLASS ARCHITECTURAL COLUMN ENCLOSURE 19 EXTERIOR WALL SCONCE Date Issue 20 SECTIONS OF REMOVABLE GALVANIZED PIPE RAILING (REFER TO 6/A7.1) 01.15.21 ISSUED FOR BID 21 PRECAST STONE LINTEL & CAP 22 HARDI PANEL & HARDI TRIM GABLE PANELING 23 "FIRE VENT" TRAINING PLATFORM (N.I.C.) 24 6" K-STYLE ALUMINUM GUTTER 25 4" RECTANGULAR ALUMINUM LEADER 26 FLOOD LIGHT 27 ALUMINUM LOUVER 28 CAST ALUMINUM PAD STYLE SNOW GUARD (BY ALPINE OR EQUAL) 29 (2) 5/4 x 8" HARDI TRIM BOARDS (GLUED AND SCREWED) 30 CONTINUOUS ALUMINUM FLASHING (2" EXPOSURE) 3 1 CONTINUOUS ALUMINUM STEPPED FLASHING (2" EXPOSURE) 32 EXTERIOR PENDANT LIGHT FIXTURE Project Title Bedford Fire Headquarters TOP OF PLATE (DORMER) 24 TOP OF PLATE (DORMER) REF. EL. +28'-0" 550 Old Post Road \_\_\_\_ Bedford, NY 10506 SECOND FLOOR (HIGH) REF. EL. +18'-0" Drawing Title -20 -14 4'-0" EXTERIOR 12 ELEVATIONS MEZZANINE REF. EL. +9'-0" -15 Project No. 1913 APPARATUS FLOOR REF. EL. -0'-0" Date 01-28-20 Scale AS NOTED Drawing by сјр Checked by Drawing No. Miller A3.1



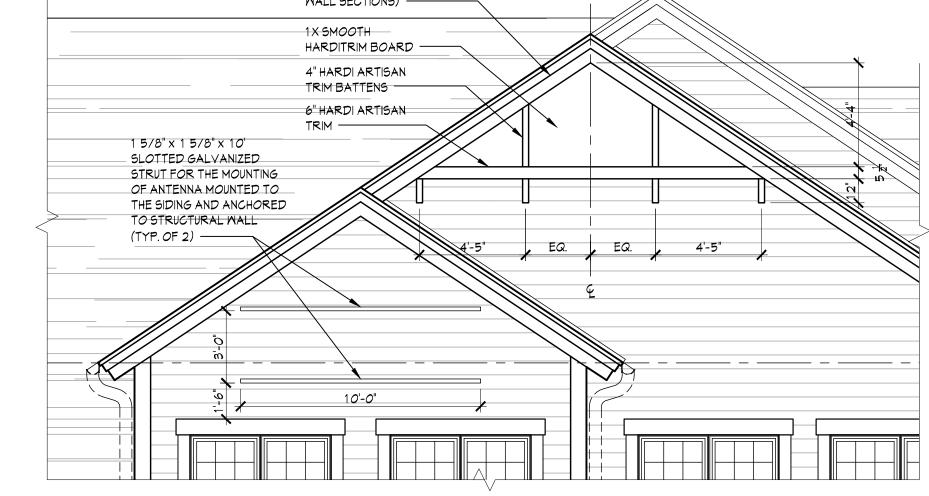






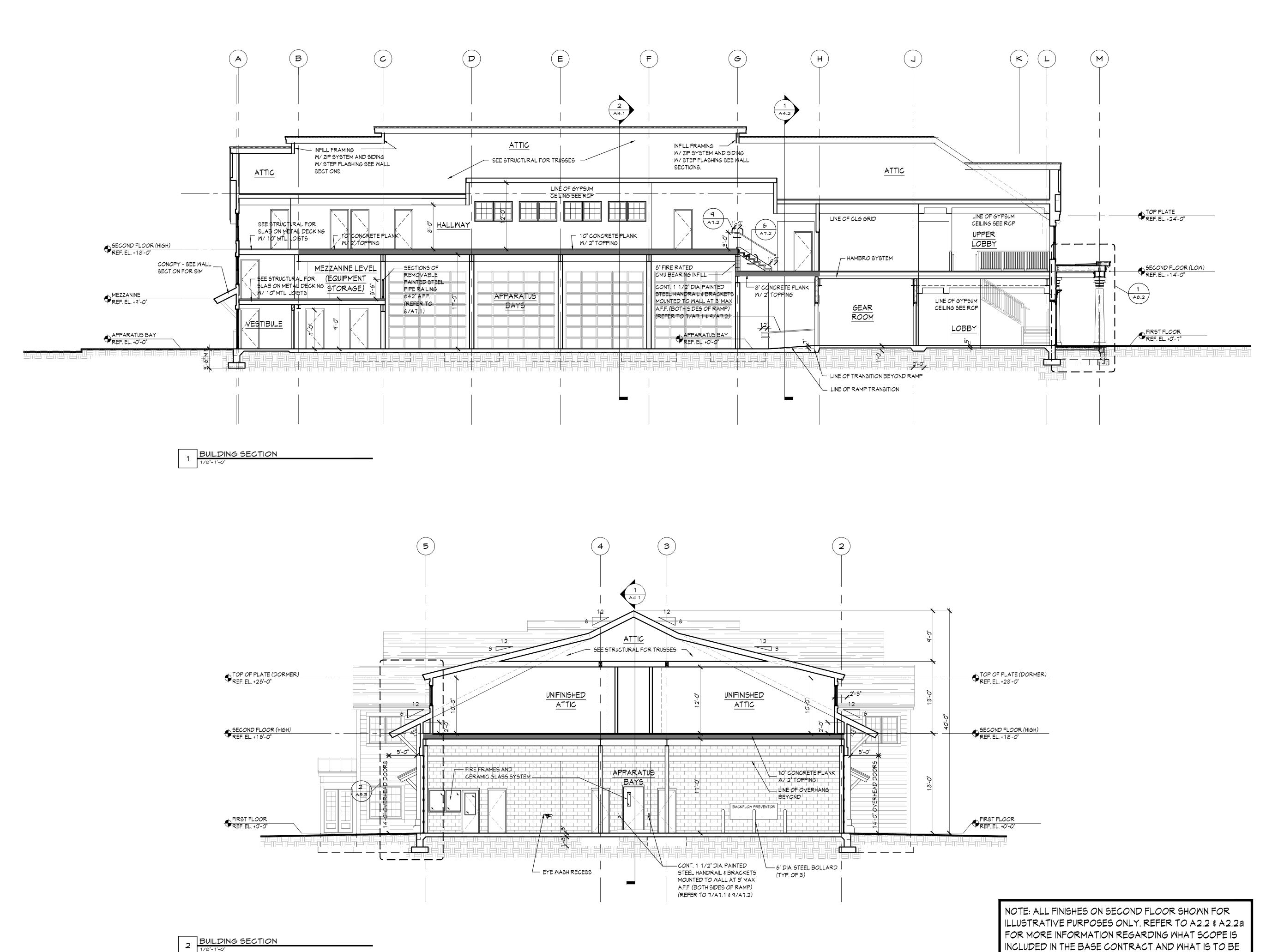


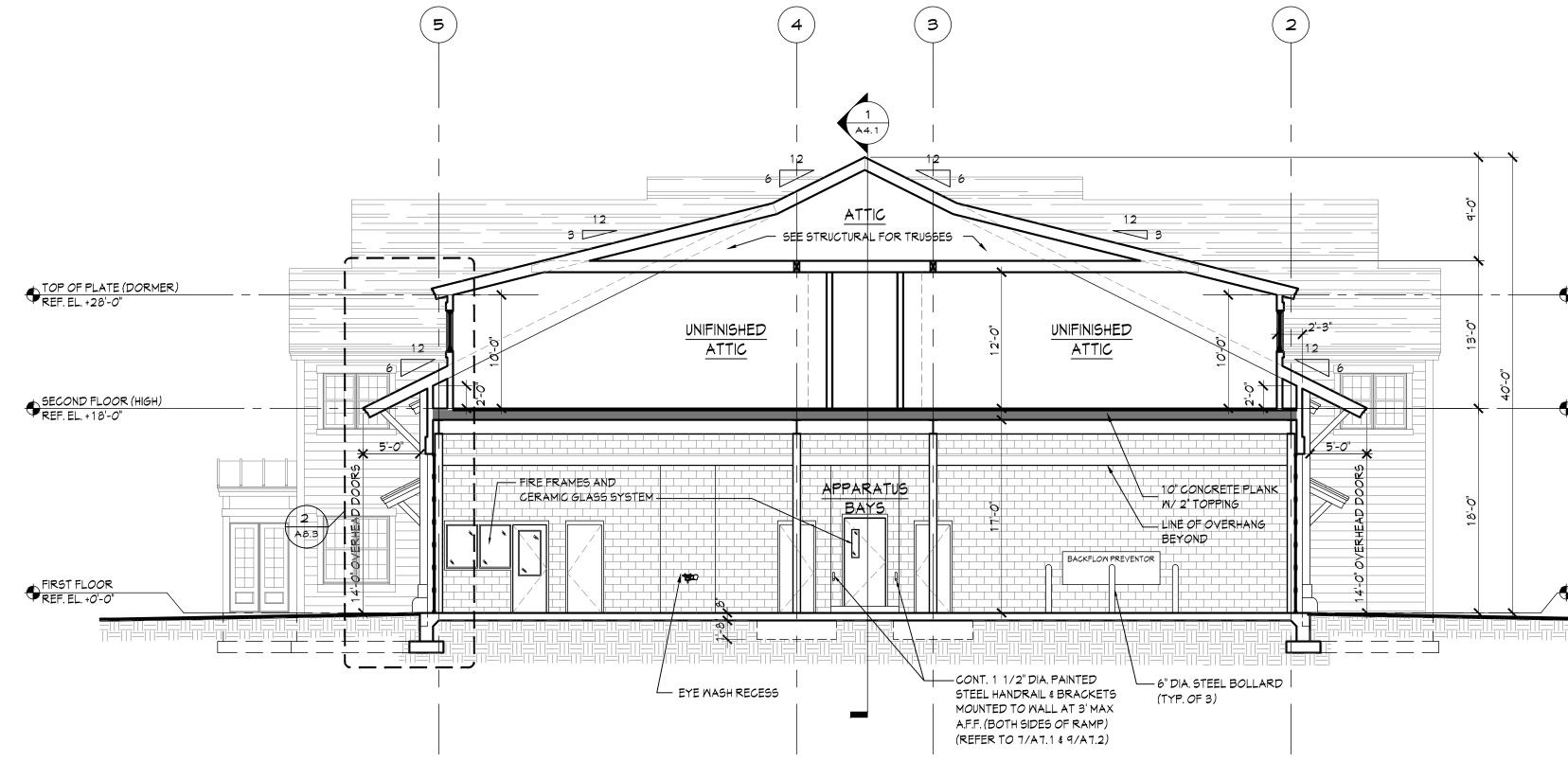
2 EAST ELEVATION



4 PARTIAL ENLARGED ELEVATION

	Sullivan Architecture, p.c.
ELEVATION MATERIAL SCHEDULE	31 Mamaroneck Avenue White Plains, New York 10601
1 TIMBERLINE HD ARCHITECTURAL ROOF SHINGLE (OR EQUAL)	914-761-6006 (F) 914-761-4919
2 GROUND FACE CONC. BLOCK VENEER (STACK BOND)	
3 PRECAST STONE COPING	
4 HARDIE ARTISAN LAP SIDING (7" EXPOSURE) (OR EQUAL)	Owner: Bedford Village Fire District
5 HARDIE TRIM FASCIA ASSEMBLY (OR EQUAL)	34 Village Green Bedford, NY 10506
6 HARDIE ARTISAN TRIM 6" CORNER BOARD (OR EQUAL) (TYP.)	
T HARDIE TRIM 8" WINDOW/DOOR HEAD (OR EQUAL) (TYP.)	
>       HARDIE ARTISAN TRIM 6" WINDOW/DOOR CASING (OR EQUAL) (TYP.)	
HARDIE ARTISAN TRIM 6" WINDOW APRON (OR EQUAL) (TYP.)	
10 MARVIN "ELEVATE" DOUBLE-HUNG WINDOW (OR EQUAL)	
11 MARVIN "ULTIMATE" ALUMCLAD COMMERCIAL WOOD DOOR (OR EQUAL) 12 14' X 14' ALUM. & GLASS OVERHEAD GARAGE DOOR	
12 14' X 14' ALUM. & GLASS OVERHEAD GARAGE DOOR 13 PAINTED STEEL CORNER GUARDS	
14     STANDING SEAM METAL ROOF	
15 COMPOSITE TRIMMED BRACKET (REFER TO SECTIONS & DETAILS)	
16 24" HIGH PRECAST STONE PANEL	
IT INSULATED STEEL DOOR	
18       FIBERGLASS ARCHITECTURAL COLUMN ENCLOSURE	
19 EXTERIOR WALL SCONCE	Date Issue
20 SECTIONS OF REMOVABLE GALVANIZED PIPE RAILING (REFER TO 6/A7.1)	01.15.21 ISSUED FOR BID
21 PRECAST STONE LINTEL & CAP	
22 HARDI PANEL & HARDI TRIM GABLE PANELING	
23 "FIRE VENT" TRAINING PLATFORM (N.I.C.)	
24 6" K-STYLE ALUMINUM GUTTER	
25 4" RECTANGULAR ALUMINUM LEADER	
26 FLOOD LIGHT	
28 CAST ALUMINUM PAD STYLE SNOW GUARD (BY ALPINE OR EQUAL)	
29 (2) 5/4 x 8" HARDI TRIM BOARDS (GLUED AND SCREWED)	
30 CONTINUOUS ALUMINUM FLASHING (2" EXPOSURE) 31 CONTINUOUS ALUMINUM STEPPED FLASHING (2" EXPOSURE)	
32 EXTERIOR PENDANT LIGHT FIXTURE	
	Project Title
	D 10 1
	Bedford
	Fire
	Headquarters
5	550 Old Post Road
	Bedford, NY 10506
25 TOP OF PLATE REF. EL. +24'-0"	
6	
14 SECOND FLOOR (LOW)	Drawing Title
SECOND FLOOR (LOW) REF. EL. +14'-0" TOP OF PLATE	EXTERIOR ELEVATIONS
TOP OF PLATE REF. EL. +11'-0"	
	Project No. 1913
FIRST FLOOR           REF. EL. +0'-7"	Date         01-28-20           Scale         AS NOTED
	Drawing by cjp
	Checked by
	Drawing No.
	A3.2
	AJ.2

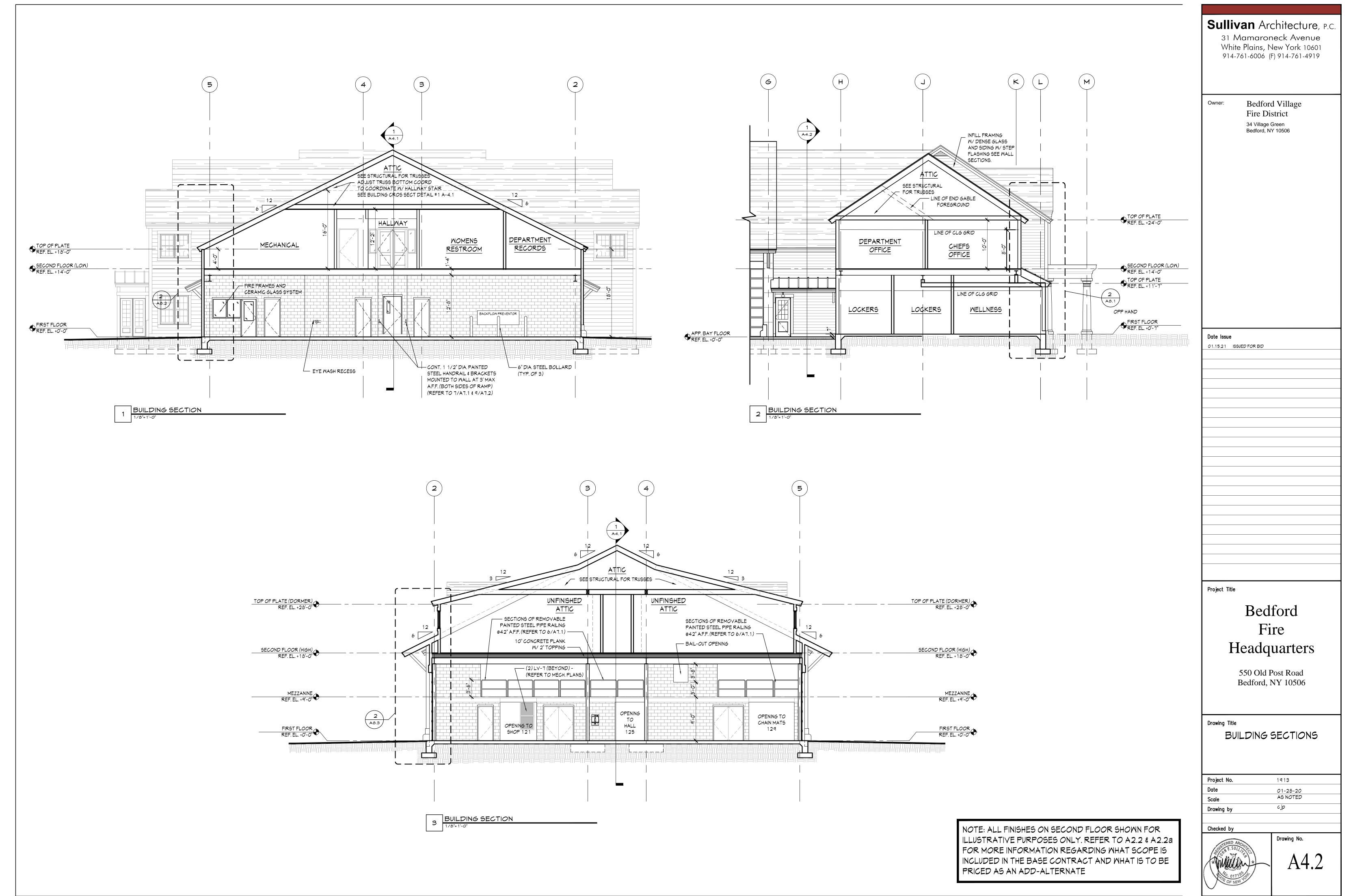




2 BUILDING SECTION

	chitecture, p.c.
White Plains, 1	neck Avenue New York 10601
914-761-6006	(F) 914-761-4919
	rd Village
Fire D 34 Village Bedford, N	Green
Bealora, r	
Date Issue 01.15.21 ISSUED FOR BID	
Project Title	
	10.1
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Headq	uarters
	Post Road
Beuloiu,	NY 10506
Drawing Title BUILDING	SECTIONS
Project No. Date	1913 01-28-20
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Checked by	
Checked by	Drawing No.
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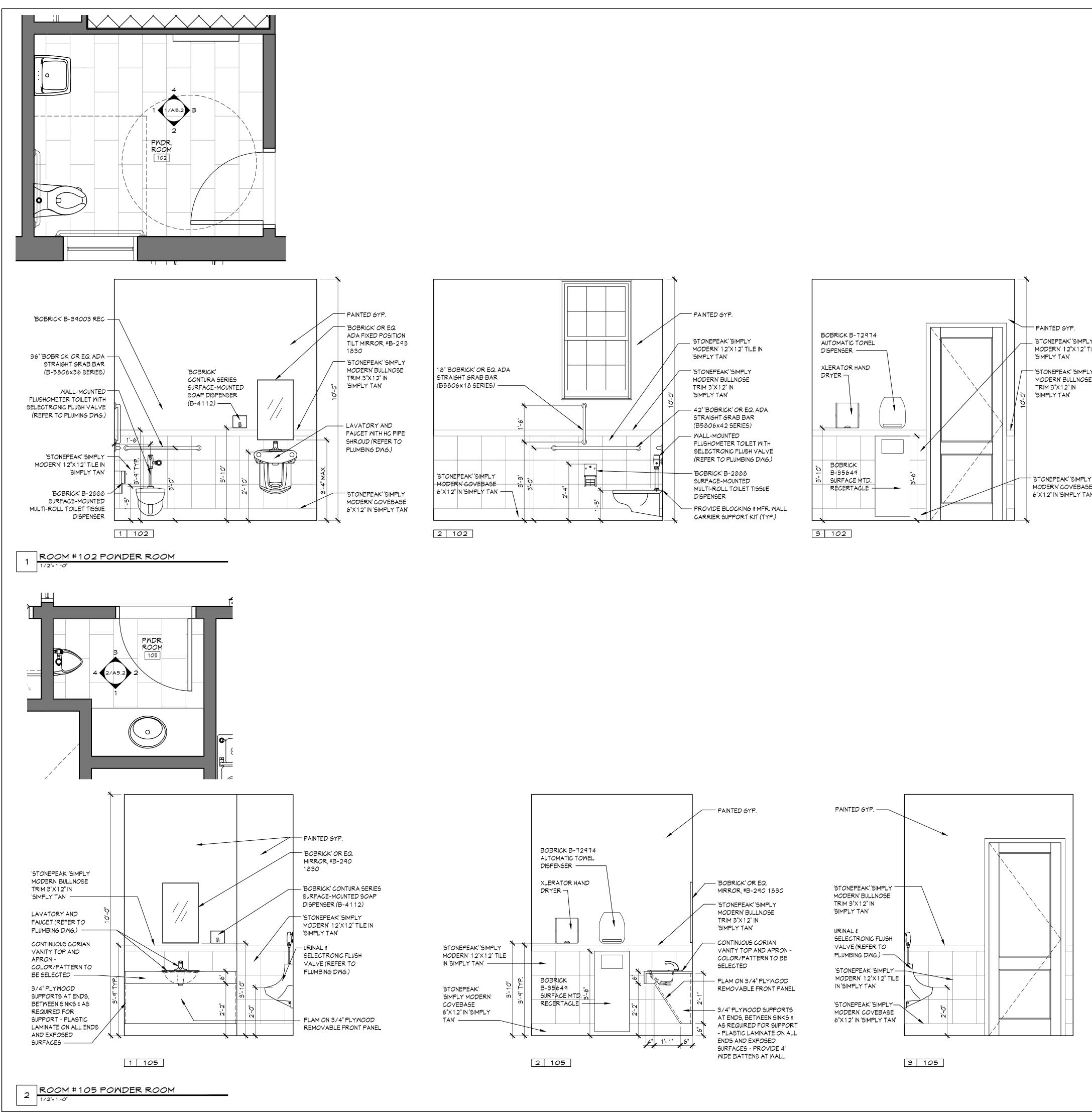
PRICED AS AN ADD-ALTERNATE

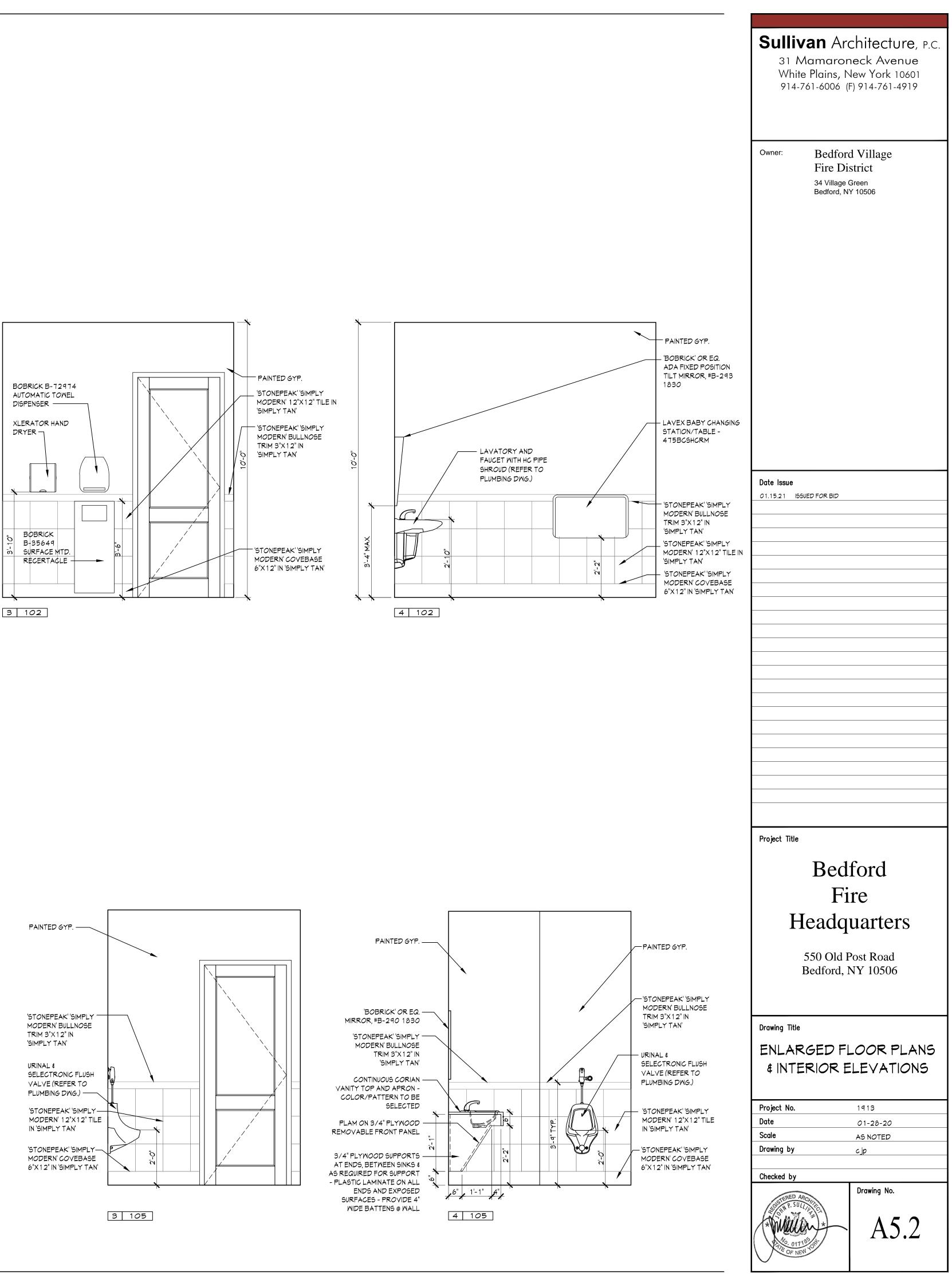


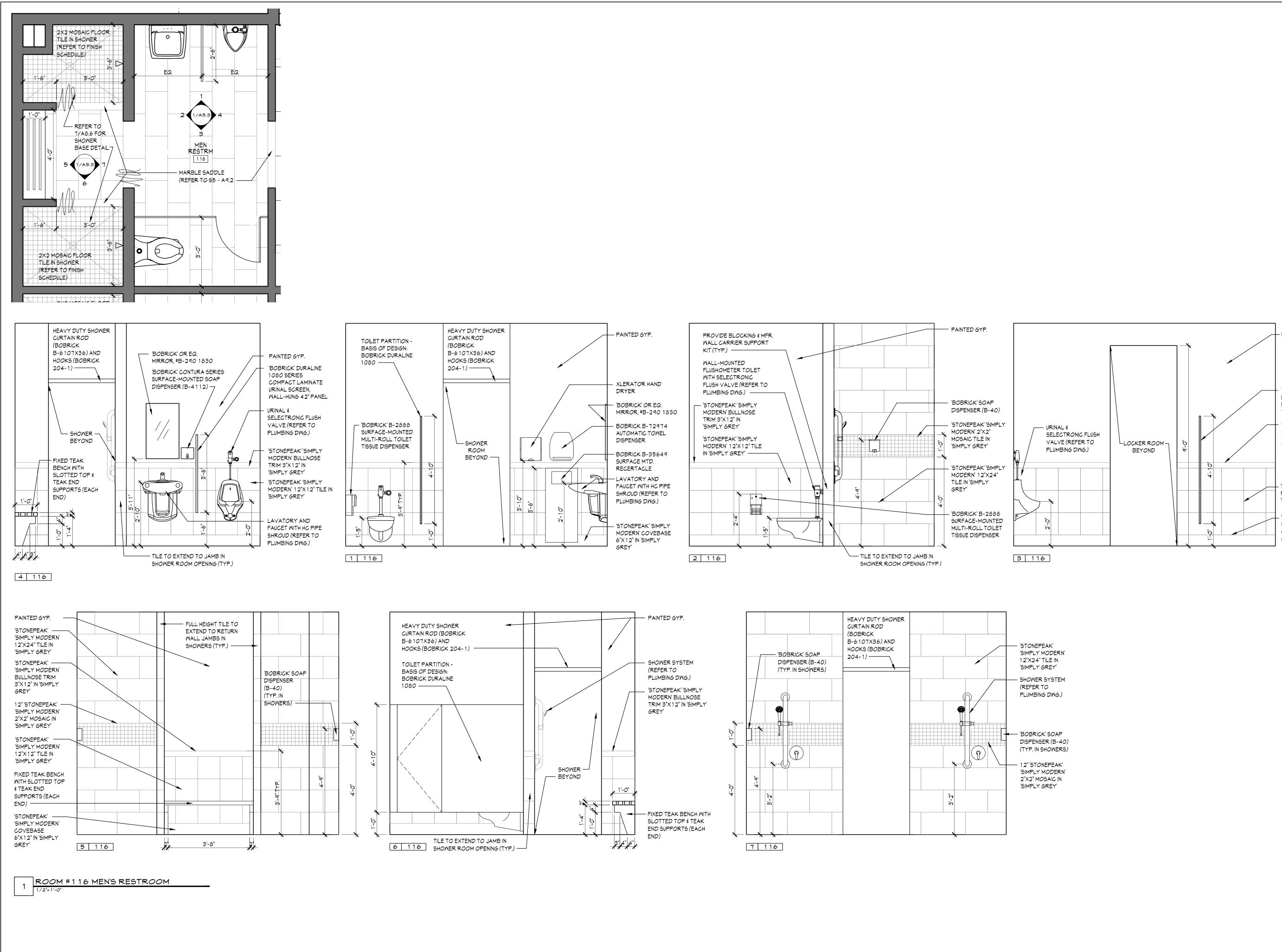
ROOM NUMBER	ROOM NAME	FLOOR	BASE	MALI	1	CEILI		RI	EMARKS		ROOM NUMBER	ROOM NAME	FLOOR	BASE	MALI	1	CEILI		REMARKS
		MAT'L/FINISH	MAT'L	MAT'L	FINISH	MAT'L	FINISH						MAT'L/FINISH	MAT'L	MAT'L	FINISH	MAT'L	FINISH	
												ANINE FLOOR	RBR-3		CEMENT BD.				FLOOR FINISH AT MEZZANINE T
ST-1		TERR-1		GYP. BD. CEMENT BD.	PT	GYP-1	PT	FLOOR FINISH AT 1ST	FLOOR TO BE SC	ONC-1		STAIR 2		VCB-1	CONC. BLK.	PT	GYP-1		ALL INTERMEDIATE LANDINGS
ST-2	STAIR 2	RBR-3	VCB-1	CONC. BLK.	PT	GYP-1	PT	ALL INTERMEDIATE LA OTHER THAN FLOOR, A	NDINGS TO RBR-	-3	M-01	MEZZANINE EQUIP. STOR.			CONC. BLK.	PT	EXPOSED	PT	CEILING AND ALL COMPONENT
ELEV.	ELEVATOR	RBR-1			PT		/	BE SUPPLIED BY ELEV.	. MFR (SELECTED	BY ARCH.)	M-02	SHOP	SCONC-1		CONC. BLK.	PT	EXPOSED	PT	
101	LOBBY	TERR-1	TERB-1	GYP. BD.	PT	GYP-1	PT	CUSTOM WATERJET CL LOGO (REFER TO 2/A. REFER TO INTERIOR EI	2.1)										
102	POWDER ROOM	PFT-1	PCB-1	GYP. BD.	PMT-1	GYP-1 EXP.	PT	CONFIGUARATIONS											
103	EXERCISE ROOM	SCONC-1		GYP. BD.	PT	GYP-1	PT												
104	CLOSET	LVT-1	VCB-1	GYP. BD.	PT	ACT-1		REFER TO INTERIOR EI									<del>,</del>	<del>,</del>	
1 <i>0</i> 5	POWDER ROOM	PFT-1	PCB-1	GYP. BD.	PWT-1	GYP-1	PT	CONFIGUARATIONS			ST-1	STAIR 1	TERR-1		GYP. BD.	PT	GYP-1	PT	FLOOR FINISH AT 2ND FLOOR
106	DAY ROOM	LVT-1	∨св-1	GYP. BD.	PT	EXPOSED	PT	CEILING AND ALL COM			ST-2	STAIR 2	RBR-2	VCB-1	CONC. BLK.	PT	GYP-1	PT	ALL INTERMEDIATE LANDINGS
107	VESTIBULE	SCONC-1	∨св-1	GYP. BD.	PT	GYP-1	PT	"PEDIMAT M1" RECESS FOOTPRINT OF VESTIE			ELEV.		RBR-1						OTHER THAN FLOOR, ALL ELEN BE SUPPLIED BY ELEV. MFR (SE
108	DISPATCH / RADIO	L∨T-1	∨св-1	GYP. BD.	PT	ACT-1					201	UPPER LOBBY	LVT-2	VCB-1	GYP. BD.	PT	GYP-1	PT	
109	IT / SERVER ROOM	L∨T-1	∨св-1	GYP. BD.	PT	ACT-1					202	CHIEF'S OFFICE	CPT-1	VCB-1	GYP. BD.	PT	ACT-1		
110	JANITOR CLOSET	EPOXY-1	EPXB-1	CONC. BLK.	FRP	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE		203	COPY / SUPPLY	LVT-2	VCB-1	GYP. BD.	PT	ACT-1		
111	ELECTRICAL ROOM	SCONC-1		CONC. BLK.	PT	EXPOSED	PT				204	CLASSROOM	CPT-1	VCB-1	GYP. BD.	PT	ACT-1		
112	DECONTAMINATION RM	EPOXY-1	EPXB-1	CONC. BLK.	EPXM	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE		205	DISTRICT OFFICE	CPT-1	VCB-1	GYP. BD.	PT	ACT-1		
113	GEAR ROOM	EPOXY-1	EPXB-1	CONC. BLK.	EPXM	GYP-1	PT				206	DISTRICT RECORDS	SCONC-1	∨св-1	GYP. BD.	PT	GYP-1	PT	
114	MECHANICAL ROOM	SCONC-1		CONC. BLK.	PT	EXPOSED	PT				207	DEPT. RECORDS	SCONC-1	VCB-1	GYP. BD.	PT	ACT-1		
115	MEN LOCKER ROOM	EPOXY-1	EPXB-1	GYP. BD.	PT	ACT-1					208	JANITOR CLOSET	SCONC-1	∨св-1	GYP. BD.	FRP-1	GYP-1		
116	MEN RESTROOM	PFT-2 PFT-3	PCB-2	GYP. BD.	PT PWT2¢3	GYP-1	PT	REFER TO INTERIOR EI CONFIGUARATIONS	LEVATIONS FOR	MALL TILE	209	HALL	LVT-2	VCB-1	GYP. BD.	PT	ACT-1		
117	MOMEN LOCKER ROOM	EPOXY-1	EPXB-1	GYP. BD.	PT	ACT-1					210	MEN'S RESTROOM	PFT-3	PCB-2	GYP. BD.	PT PMT-	GYP-1	PT	REFER TO INTERIOR ELEVATIONS
118	MOMEN RESTROOM	PFT-2 PFT-3	PCB-2	GYP. BD.	PT PMT2#3	GYP-1	PT	REFER TO INTERIOR EL CONFIGUARATIONS	LEVATIONS FOR	MALL TILE	211	WOMEN'S RESTROOM	PFT-3	PCB-2	GYP. BD.	PT PMT	GYP-1	PT	REFER TO INTERIOR ELEVATIO
119	APPARATUS BAY	EPOXY-1	EPXB-1	CONC. BLK.	EPXM	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	212	DEPARTMENT OFFICE	CPT-1	VCB-1	GYP. BD.	PT	ACT-1		
120	AIR ROOM	EPOXY-1	EPXB-1	CONC. BLK.	PT	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	213	OFFICER'S CLOSET	LVT-2	∨св-1	GYP. BD.	PT	ACT-1		
121	SHOP	EPOXY-1	EPXB-1	CONC. BLK.	EPXM	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	214	QUARTER MASTER	LVT-2	VCB-1	GYP. BD.	PT	ACT-1		
122	FLOOR CLEANING	EPOXY-1	EPXB-1	CONC. BLK.	PT	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	215	HALL	LVT-2	VCB-1	GYP. BD.	PT	GYP-1	PT	
123	CLEAN-UP	EPOXY-1	EPXB-1	CONC. BLK.	PT	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	216	MECHANICAL	SCONC-1		GYP. BD.	PT	EXPOSED	PT	
124	WATER CLOSET	EPOXY-1	EPXB-1	CONC. BLK.	EPXM	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	217	F.O.G.	LVT-2	VCB-1	GYP. BD.	PT	ACT-1		
125	HALL	EPOXY-1	EPXB-1	CONC. BLK.	EPXW	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	218	UNFINISHED ATTIC							
126	EMS STORAGE	SCONC-1		CONC. BLK.	PT	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	219	HALL	SCONC-1	VCB-1	GYP. BD.	PT	GYP-1	PT	
127	OFFICER'S CLOSET	SCONC-1		CONC. BLK.	PT	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	220	UNFINISHED ATTIC							
128	FIREMATIC STORAGE	SCONC-1		CONC. BLK.	PT	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	221	HALL	SCONC-1	VCB-1	GYP. BD.	PT	ACT-1		
129	CHAIN MATS	EPOXY-1	EPXB-1	CONC. BLK.	EPXW	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	222	HALL	SCONC-1	VCB-1	GYP. BD.	PT	ACT-1		
130	OUTSIDE STORAGE	SCONC-1		CONC. BLK.	PT	EXPOSED	PT	CEILING AND ALL COM	PONENTS TO BE	PAINTED	ST-3	STAIR 3	RBR-3	VCB-1	GYP. BD.	PT			
131	MECHANICAL	SCONC-1		CONC. BLK.	PT	EXPOSED	PT												
132	VESTIBULE	EPOXY-1	√СВ-1	GYP. BD.	PT	ACT-1													
133	CORRIDOR	EPOXY-1	VCB-1	GYP. BD.	PT	ACT-1													
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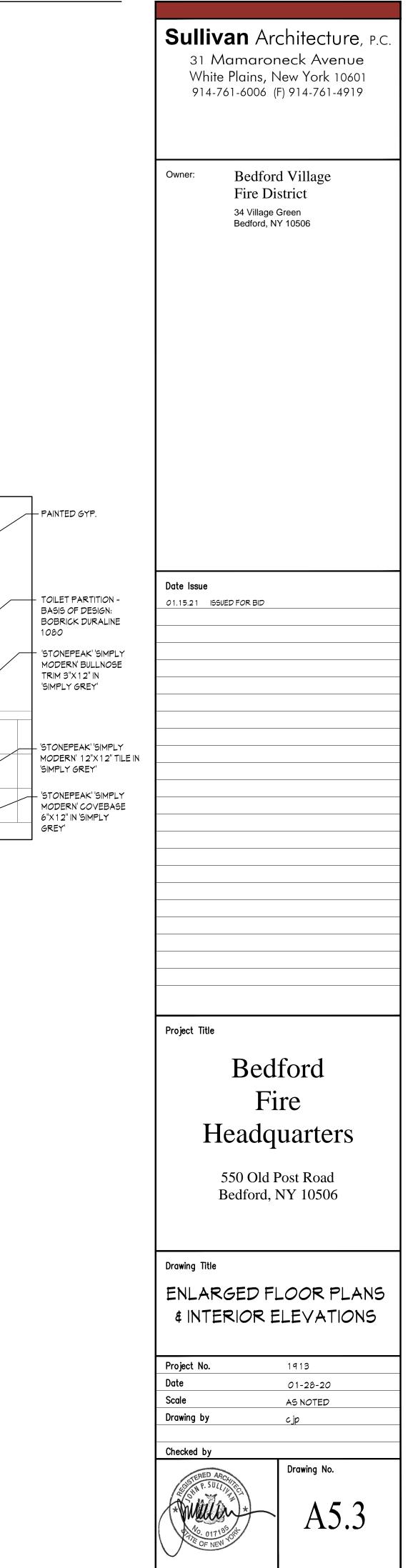
									FINIS	DH SPECI	FICATIC	NS				
SYMBOL	MATERIAL	MANUFACTURER	TYPE/ SERIES	SIZE(S)	COLOR	REMARKS	SYMBOL	MATERIAL	MANUFACTURER	TYPE/ SERIES	SIZE(S)	COLOR	REMARKS	SYMBOL	MATERIAL	MA
FLOOR	5						MALLS	5						CEILING		
CPT-1	CARPET TILE/PLANK	SHAM CONTRACT	UNDERTONE TILE	9" X 36"	5T157_57103 NATURAL	3 INSTALLATION: STAGGER	PMT-1	PORCELAIN MALL TILE	STONEPEAK	SIMPLY MODERN	12" X 12"	SIMPLY TAN	3"X12" BULLNOSE TRIM 6"X12" COVE BASE	ACT-1	ACOUSTICAL CEILING TILE	A
SCONC-1	SEALED CONCRETE						PMT-2	PORCELAIN MALL TILE	STONEPEAK	SIMPLY MODERN	12" X 24"	SIMPLY GREY	3"X12" BULLNOSE TRIM 6"X12" COVE BASE	GYP-1	GYP. BOARD CEILING	
PCONC-1	POLISHED CONCRETE						PMT-3	PORCELAIN MALL TILE	STONEPEAK	SIMPLY MODERN	2" X 2"	SIMPLY GREY	MOSAIC TILE			
RBR-1	RUBBER	ROPPE	ENVIRE RB. SHEET			RUBBER DOT	FRP	FIBER REINFORCED POLYMER	KAL-LITE	SMOOTH WALL PANL.	.060" THK.					
RBR-2 (NOT USED)							EPXM	EPOXY	DUR-A-FLEX	DUR-A-WALL VC		T.B.D.				
RBR-3	RUBBER TREAD & RISERS	ROPPE	VANTAGE			RISER & TREAD RUBBER DOT								PAINT		
LVT-1	LUXURY VINYL TILE	SHAM CONTRACT	TERRAIN II 20 MIL (5MM)	6" X 48"	4110V_0501: SUMMIT	2 INSTALLATION: STAGGER								PT-1	PAINT	E
LVT-2	LUXURY VINYL TILE	SHAW CONTRACT	TERRAIN II 20 MIL (5MM)	6" X 48"	4110V_0700: SEQUOIA	3 INSTALLATION: STAGGER	BASE							₽T-2	PAINT	E
EPOXY-1	POURED EPOXY	DUR-A-FLEX	SHOP FLOOR			MINIMUM OF (3) COLORS	VCB-1	VINYL COVE BASE	JOHNSONITE	PERCEPTIONS	4.25"			PT-3	PAINT	E
TERR-1	TERRAZZO	EPOXY-RESIN THIN-SET TERR				REFER TO 2/A2.1 FOR TERRAZZO LOGO INFORMATION	EPXB-1	EPOXY BASE	DUR-A-FLEX	DUR-A-WALL VC				PT-4	PAINT	E
PFT-1	PORCELAIN FLOOR TILE	STONEPEAK	SIMPLY MODERN	12" X 24"	SIMPLY TAN		PCB - 1	PORCELAIN COVE BASE	STONEPEAK	SIMPLY MODERN	6" X 12"	SIMPLY TAN		PT-5	PAINT	E
PFT-2	PORCELAIN FLOOR TILE	STONEPEAK	SIMPLY MODERN	2" X 2"	SIMPLY GREY	MOSAIC TILE	PCB -2	PORCELAIN COVE BASE	STONEPEAK	SIMPLY MODERN	6" X 12"	SIMPLY GREY		PT-6	PAINT	E
PFT-3	PORCELAIN FLOOR TILE	STONEPEAK	SIMPLY MODERN	12" X 24"	SIMPLY GREY		TERRB - 1	TERRAZZO FORMED BASE	EPOXY-RESIN THIN-SET TERR					PT-7	PAINT	E
														PT-8	PAINT	E
										ļ		1	1		l	_

						Sullivan Ar	chitecture, p.c.
.5 TO BE SCONC- 5 TO RBR-3 TS TO BE PAIN		MOISTU CEILING PARTIT 2. IN AREA TO BE I	THROOMS AND POWE IRE RESISTANT GYPSU 5. TILED WALLS TO RE ION TYPES). AS OF EXPOSED CEILIN NDIVIDUALLY PAINTEE	DER ROOMS SHALL RECEIVE IM WALL BOARD AT ALL WALLS AND ICEIVE TILE BACKER (REFER TO NG, ALL PIPING, CONDUIT, DUCTS, ETC. D IN COLORS TO BE SELECTED BY		31 Mamaron White Plains, N 914-761-6006 (F	lew York 10601
		RECEIV SPECIF 4. ALL CC FINISH 1 (REFER 5. ALL CE BUT DC RCP'S F 6. ALL DC 7. ALL CL CONFIG BANDIN	PSUM BOARD WALLS (E TWO COATS OF FINI ICATIONS) ONCRETE BLOCK TO B TO FIRST RECEIVE CO TO SPECIFICATIONS) ILING GRIDS TO BE CE NOT ALLOW LESS TH FOR DETAILED LAYOU OOR FRAMES TO BE P, OSETS SHALL HAVE 5 SURATIONS INDICATED NG AND SUPPORTED M	E PAINTED OR RECEIVE EPOXY AT OF BLOCK FILLER PRIMER. INTERED IN EACH INDIVIDUAL SPACE, AN 6" OF TILE AGAINST WALLS. SEE TS. AINTED. //8" AC PLYWOOD SHELF IN ON THE FLOOR PLANS WITH EDGE NTH 1 X 3 WOOD CLEATS AND		Owner: Bedford Fire Dis 34 Village ( Bedford, N	Green
TO BE SCOND TO RBR-3	ES TO	BE 1-1 ELSEWI 8. ALL LIN SHELVE INDICA SUPPOI REQUIR 9. FURNISI SHOWE 10. ALL EX IN INDIV NOTED 11. ALL EX 12. THE EP MINIMUN PATTEF 13. WHERE THE FUI CEILING 14. ALL NO MEANS	/4" ROUND CHROME F HERE IN THE DRAWING IEN CLOSETS SHALL H ES TO BE 5/8" AC PLY TED ON THE FLOOR PL RTED WITH 1X3 WOOD ED. H AND INSTALL SHOWE RS (REFER TO INTERIC POSED PIPING, DUCTW (IDUAL COLORS (TO B OTHERWISE) POSED PIPING TO BE F OXY FLOOR FINISH SC 4 OF (3) EPOXY COLO RNS DETERMINED BY ( SCHEDULED AS WALL L HEIGHT OF EXPOSE 5, EPOXY WALL PAINT IN-CARPETED WALKIN	AVE MINIMUM (4) 16" DEEP SHELVES. WOOD IN CONFIGURATIONS LANS WITH EDGE BANDING AND OCLEATS AND DIVIDERS WHERE ER ROD AND HOOKS IN ALL OR ELEVATIONS) IORK AND CONDUIT TO BE PAINTED E DETERMINED) (TYPICAL - UNLESS PAINTED AND LABELED. OPE OF WORK SHALL INCLUDE A ORS TO BE LAID OUT IN FLOOR OWNER. FINISH, EPOXY PAINT TO EXTEND UP D WALL. IF SPACE CONTAINS HUNG TO EXTEND UP 6" PAST CEILING LINE. IG SURFACES AS PART OF THE AVE A SLIP-RESISTANT SURFACE			
ONS FOR WALL						Date Issue	
		ADE NOT DAS	E: ALL FINISHE	TO BE PRICED AS AN E (REFER TO A2.2a) ES INCLUDED IN TO BE PRICED AS AN E (REFER TO A2.2a)	F	Project Title	ford
ANUFACTURER	TYPE/ SERIES	SIZE(S)	COLOR	REMARKS		Fi Headq	
ARMSTRONG	#1774 (DUNE)	24" × 24"	MHITE	SEE RCP FOR DETAILED LAYOUTS		550 Old F Bedford, N	Post Road
						Drawing Title FINISH Sc	CHEDULE
BENJAMIN MOORE BENJAMIN MOORE BENJAMIN MOORE BENJAMIN MOORE			T.B.D. T.B.D. T.B.D. T.B.D.			Project No. Date Scale Drawing by	1913 01-28-20 AS NOTED cjp
BENJAMIN MOORE BENJAMIN MOORE BENJAMIN MOORE BENJAMIN MOORE			T.B.D. T.B.D. T.B.D. T.B.D.			Checked by	Drawing No. A5.1
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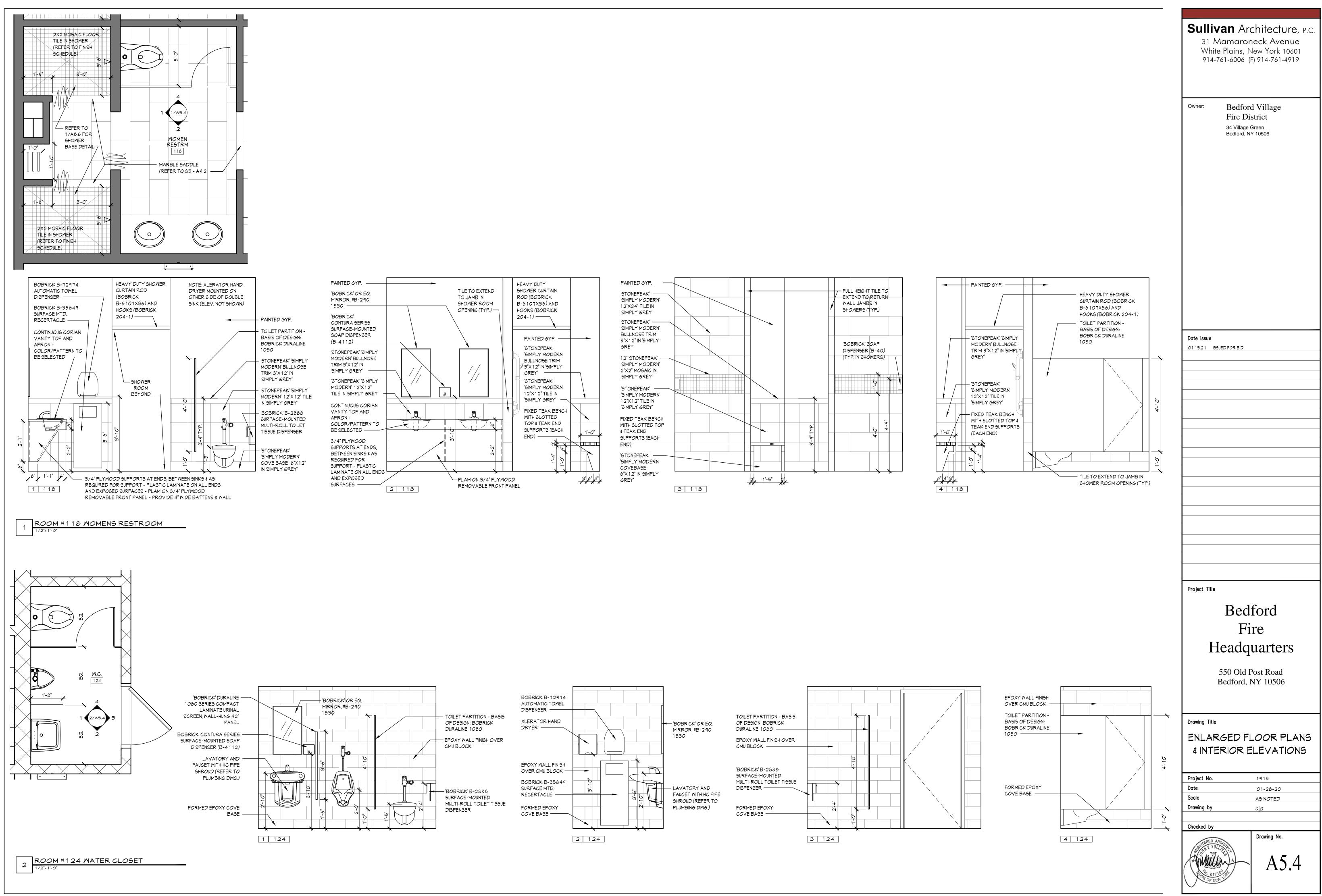


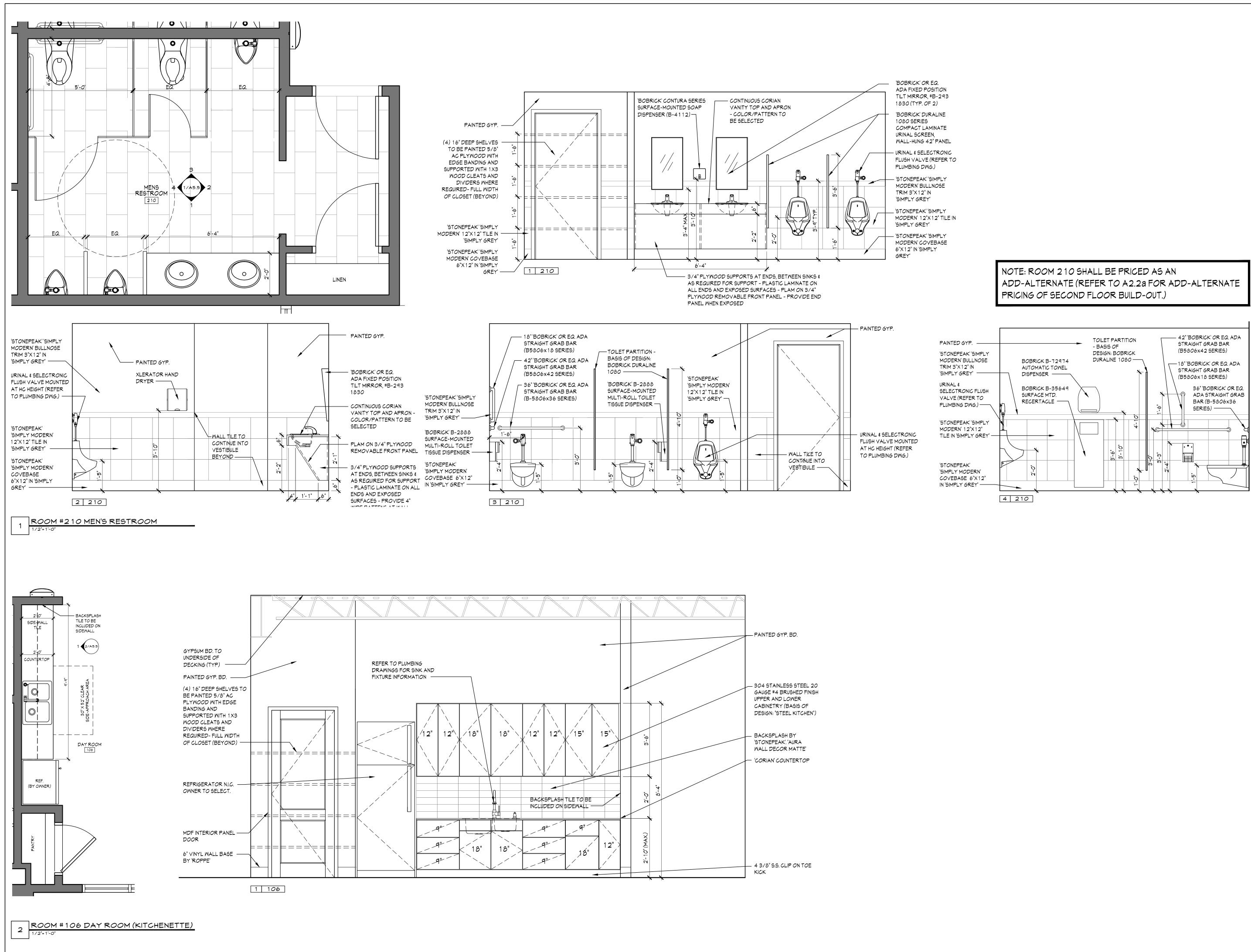




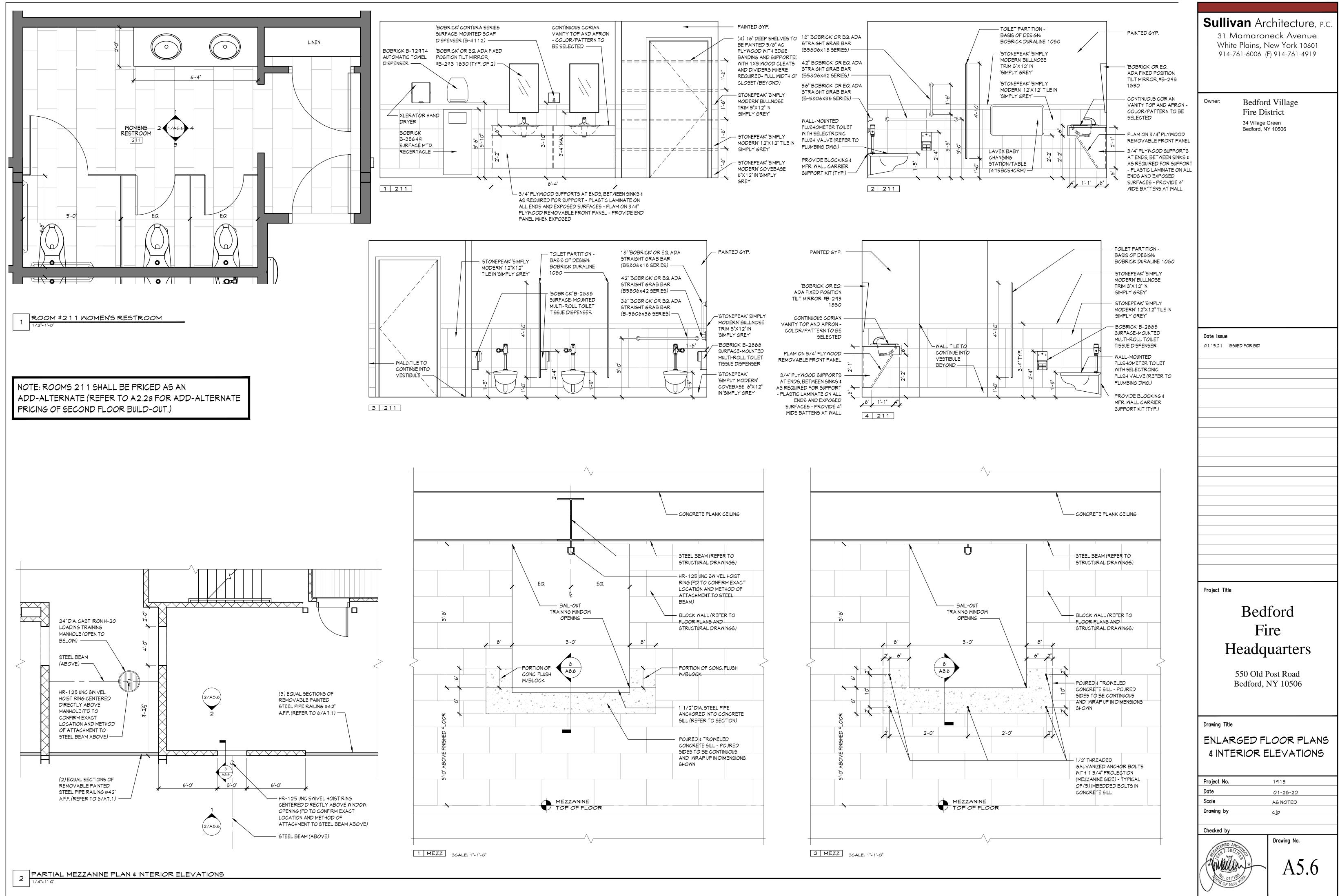


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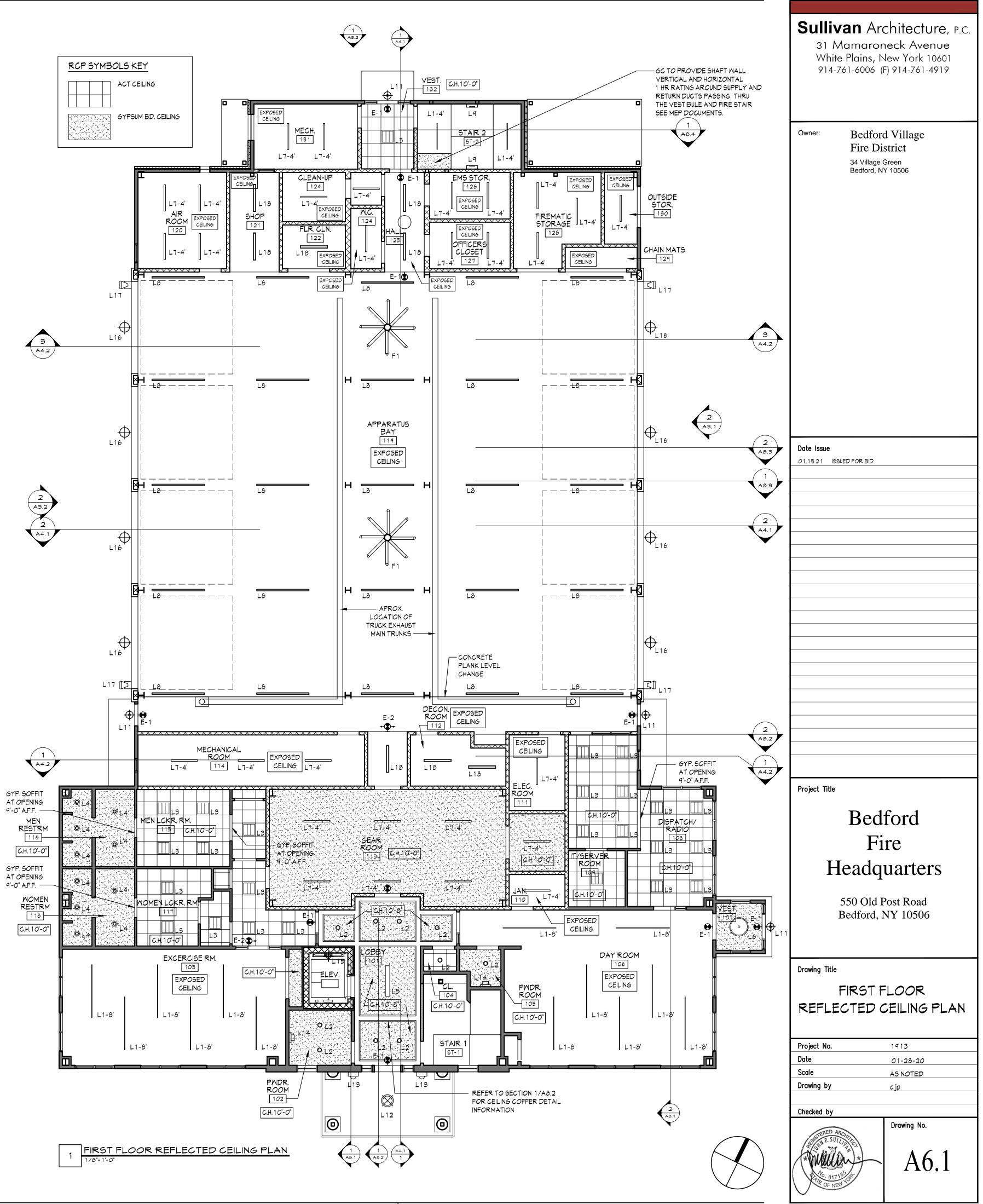


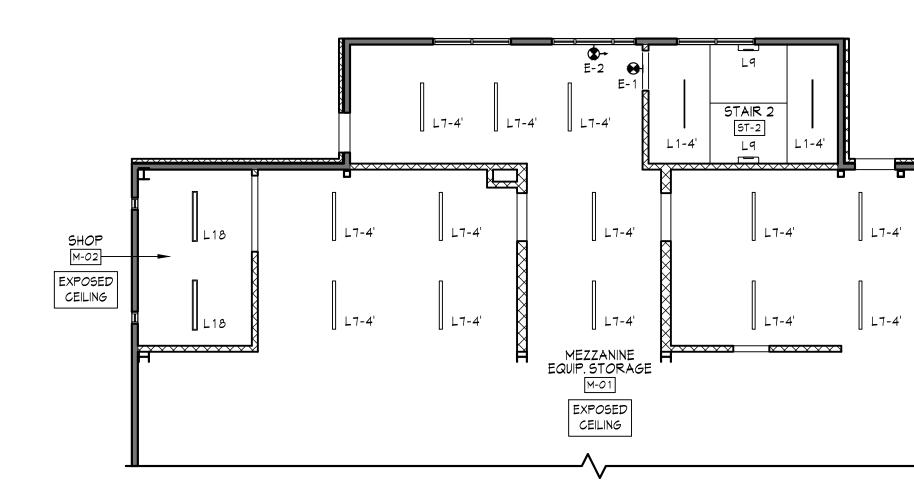


White Plains, I	chitecture, P.C neck Avenue New York 10601 (F) 914-761-4919
Owner: Bedfor Fire D 34 Village Bedford, N	Green
Date Issue	
Project Title	
F Headq 550 Old	lford ire juarters Post Road NY 10506
	LOOR PLANS
Project No. Date Scale Drawing by Checked by	1913 01-28-20 AS NOTED cjp
AND OT 1852 AND O	Drawing No.



			LIGHTING FIXTURE SCHEDULE		NOTE: REFER TO ELECTRICAL DRAWINGS FOR COMPLETE LIGHTING INFORMATION
SYMBOL	FIXTURE	TYPE/DESCRIPTION	PRODUCT INFORMATION	MANUFACTURER	REMARKS
*	F1	ESSENCE 8FT FAN KIT	8 FT - 158 RPM	BIG ASS FANS	
	L1-8'	SAYLITE LED LINEAR LIGHTING CHANNEL	LLLSA - 97L - 23W1500L - 30K - SA	SAYLITE	
	L1-4'	SAYLITE LED LINEAR LIGHTING CHANNEL	LLLSA - 48L - 23W1500L - 30K - SA	SAYLITE	MOUNTING KIT: HC601WH DRIVER: MTIM40L24DC
O	L2	LIGHTOLIER - CALCULITE LED 6" GEN 3	6RN - C6L30830ME1 - C6RDLWH	LIGHTOLIER	
	L3	DAY-BRITE RECESSED EVO GRID 2X2	2EVG30L835 - 2 - D - UNV - DIM	DAY-BRITE	
$\bigcirc$	L4	LIGHTOLIER - CALCULITE LED 6" GEN 3	6RN - C6L30830ME1 - C6R5LWH	LIGHTOLIER	
	L5	MEMORY LED LINEAR PENDANT	MFMP206783	MODERN FORMS	
$\bigcirc$	L6	SHAPER - 122 SHAPER	122 - 36 - 5 - L9/830 - UNV - MW	SHAPER	DRUM: 122 - 36 - VLW
	L7	DAY-BRITE INDUSTRIAL 5FL SPECIFICATION	5FL455L840 - PPS - UNV - DIM	DAY-BRITE	
[]	L8	DAY-BRITE INDUSTRIAL VAPORLUME LED DW	DWAETOL840 - 8 - UNV - WHP	DAY-BRITE	
	Lq	JAYLUM LED WALL MOUNTED SCONCE	JS - L - L - 2 - L35 - 1D - UNV - SU-WA - STD - W	CORELITE	
<b></b>	L10	LEVITON - LED CEILING LAMPHOLDER	000 - 09850 - LED	LEVITON	
$\bigoplus$	L11	MAXIM - SHORELINE	10104ВК	MAXIM	
$\bigotimes$	L12	ALFORD PLACE OUTDOOR PENDANT	HKYP297130 - (12V LED OPTION)	HINKLEY	
	L13	MAXIM - LIGHTHOUSE	5866CLFTAR	MAXIM	CONTRACTOR TO PROVIDE RED BULBS
	L14	MAXIM - SPEC VANITY	52000 - POLISHED CHROME	MAXIM	
ф-	L15	LITHONIA - UTILITY VAPOR TIGHTS	VW1509LM6	LITHONIA	
$\oplus$	L16	BARN LIGHT - CHEROKEE UPLIGHT SERIES	G - ULC 18 - 100 - G26 - CLR - NA - LED 16.8 - 3000K	BARN LIGHT	
	L17	EATON - ALL PRO - LED FLOOD SERIES	FSL2850LW	EATON	
	L18	DAY-BRITE INDUSTRIAL VAPORLUME LED V2	V2MAE51L840 - 4 - UNV - MD360M	DAY-BRITE	
$\bigcirc$	L19	DUO LED PENDANT	ALRP267758 - (LARGE OPTION FIXTURE)	ALORA LIGHTING	LARGE OPTION FIXTURE - 31.5" DIAMETER
	E-1	COOPER - SURE-LITES LPX SERIES	LPX 6 (WALL MOUNT)	COOPER	
<b>←▲</b> →	E-2	COOPER - SURE-LITES LPX SERIES	LPX 6 (WALL MOUNT)	COOPER	REFER TO RCP FOR DIRECTION CHEVRONS
<b>←▲</b> →	E-3	COOPER - SURE-LITES LPX SERIES	LPX 6 (CEILING MOUNT)	COOPER	REFER TO RCP FOR DIRECTION CHEVRONS



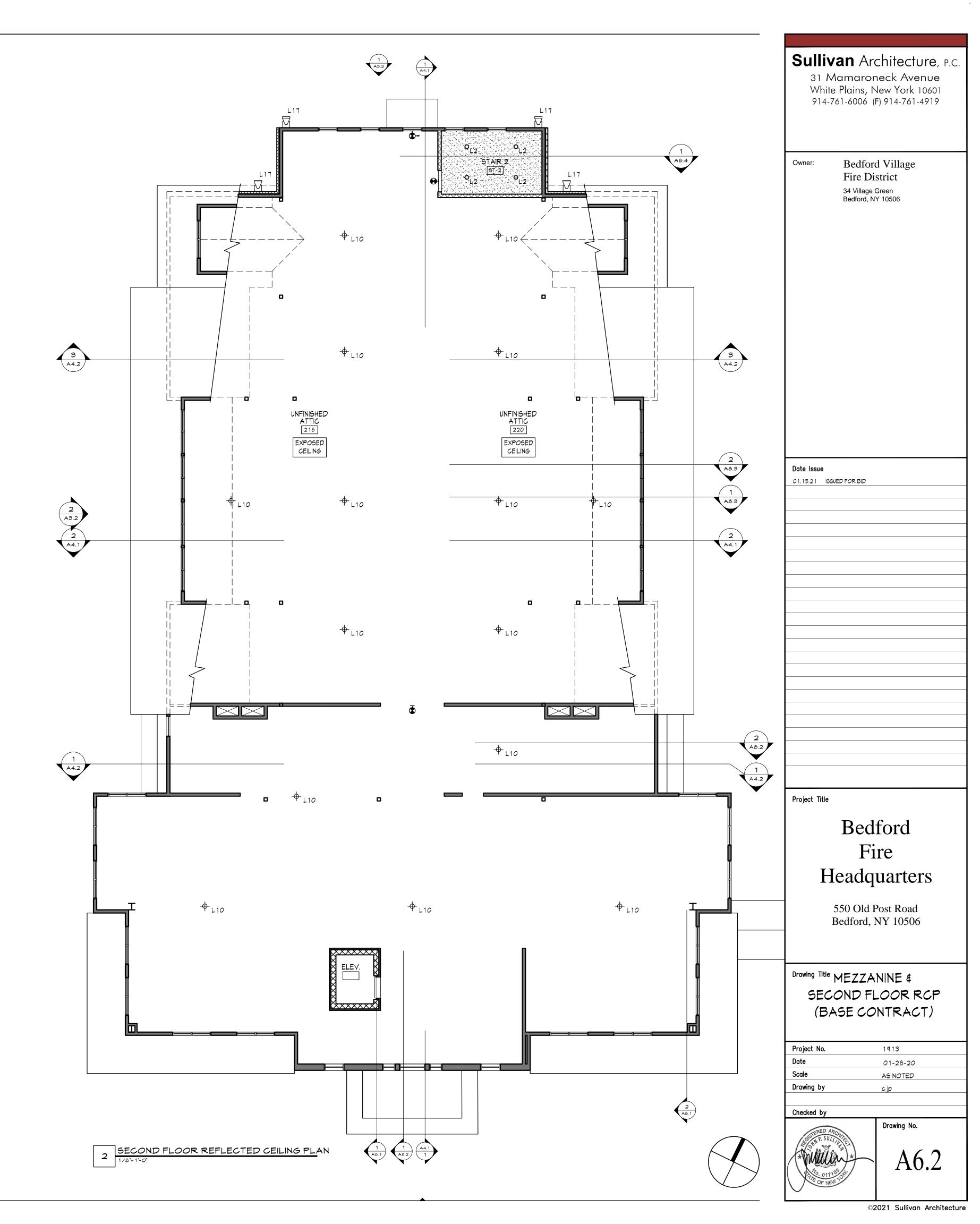


L7-4'

L7-4'

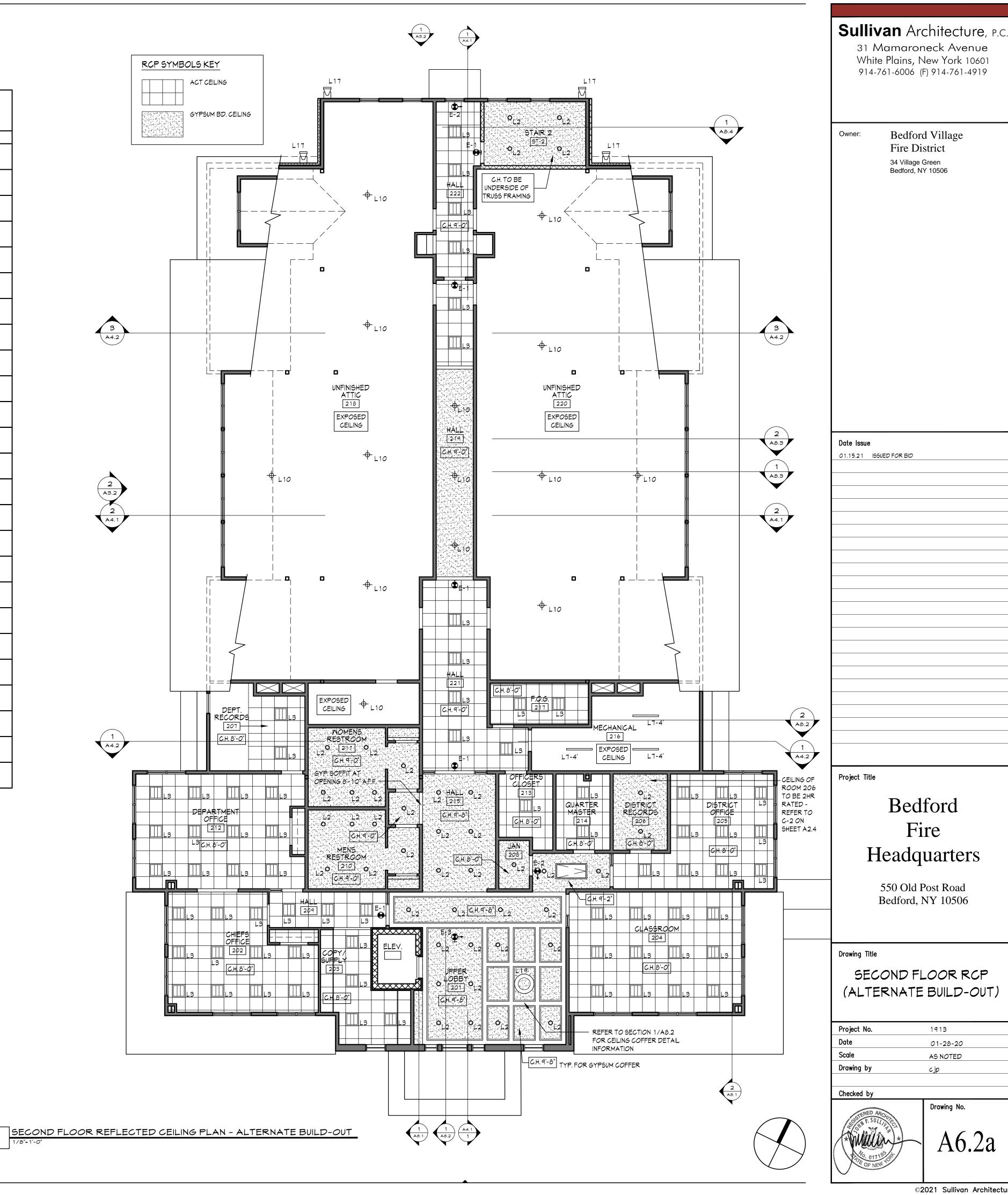
		1 MEZZANINE REFLECTE	D CEILING PLAN		
			LIGHTING FIXTURE SCHEDULE		NOTE: REFER TO ELECTRICAL DRAWINGS FOR COMPLETE LIGHTING INFORMATION
SYMBOL	FIXTURE	TYPE/DESCRIPTION	PRODUCT INFORMATION	MANUFACTURER	REMARKS
*	F1	ESSENCE 8FT FAN KIT	8 FT - 158 RPM	BIG ASS FANS	
	L1-8'	SAYLITE LED LINEAR LIGHTING CHANNEL	LLLSA - 97L - 23W1500L - 30K - SA	SAYLITE	
	∟1-4'	SAYLITE LED LINEAR LIGHTING CHANNEL	LLLSA - 48L - 23W1500L - 30K - 5A	SAYLITE	MOUNTING KIT: HC601WH DRIVER: MTIM40L24DC
O	L2	LIGHTOLIER - CALCULITE LED 6" GEN 3	6RN - C6L30830ME1 - C6RDLWH	LIGHTOLIER	
	L3	DAY-BRITE RECESSED EVO GRID 2X2	2EVG30L835 - 2 - D - UNV - DIM	DAY-BRITE	
$\bigcirc$	L4	LIGHTOLIER - CALCULITE LED 6" GEN 3	6RN - C6L30830ME1 - C6RSLWH	LIGHTOLIER	
	L5	MEMORY LED LINEAR PENDANT	MFMP206783	MODERN FORMS	
$\bigcirc$	L6	SHAPER - 122 SHAPER	122 - 36 - 5 - L9/830 - UNV - MW	SHAPER	DRUM: 122 - 36 - VLW
	LT	DAY-BRITE INDUSTRIAL 5FL SPECIFICATION	5FL455L840 - PPS - UNV - DIM	DAY-BRITE	
	L8	DAY-BRITE INDUSTRIAL VAPORLUME LED DW	DWAETOL840 - 8 - UNV - WHP	DAY-BRITE	
	Lq	JAYLUM LED WALL MOUNTED SCONCE	JS - L - L - 2 - L35 - 1D - UNV - SU-WA - STD - W	CORELITE	
- <del>\</del>	L10	LEVITON - LED CEILING LAMPHOLDER	000 - 09850 - LED	LEVITON	
$\oplus$	L11	MAXIM - SHORELINE	10104BK	MAXIM	
$\bigotimes$	L12	ALFORD PLACE OUTDOOR PENDANT	HKYP297130 - (12V LED OPTION)	HINKLEY	
	L13	MAXIM - LIGHTHOUSE	5866CLFTAR	MAXIM	CONTRACTOR TO PROVIDE RED BULBS
	L14	MAXIM - SPEC VANITY	52000 - POLISHED CHROME	MAXIM	
	L15	LITHONIA - UTILITY VAPOR TIGHTS	VW1505LM6	LITHONIA	
$\oplus$	L16	BARN LIGHT - CHEROKEE UPLIGHT SERIES	G - ULC 18 - 100 - G26 - CLR - NA - LED 16.8 - 3000K	BARN LIGHT	
	L17	EATON - ALL PRO - LED FLOOD SERIES	FSL2850LW	EATON	
	L18	DAY-BRITE INDUSTRIAL VAPORLUME LED V2	V2MAE51L840 - 4 - UNV - MD360M	DAY-BRITE	
$\bigcirc$	L19	DUO LED PENDANT	ALRP267758 - (LARGE OPTION FIXTURE)	ALORA LIGHTING	LARGE OPTION FIXTURE - 31.5" DIAMETER
	E-1	COOPER - SURE-LITES LPX SERIES	LPX 6 (WALL MOUNT)	COOPER	
	E-2	COOPER - SURE-LITES LPX SERIES	LPX 6 (WALL MOUNT)	COOPER	REFER TO RCP FOR DIRECTION CHEVRONS
	E-3	COOPER - SURE-LITES LPX SERIES	LPX 6 (CEILING MOUNT)	COOPER	REFER TO RCP FOR DIRECTION CHEVRONS
	1				

NOTE: ALL ELEMENTS OF SECOND FLOOR RCP SHOWN ON A6.2 SHALL BE INCLUDED IN BASE CONTRACT. REFER TO A6.2a FOR ADD-ALTERNATE PRICING OF SECOND FLOOR RCP BUILD-OUT. FULL BUILD-OUT OF THE MEZZANINE SHALL BE INCLUDED IN BASE CONTRACT.

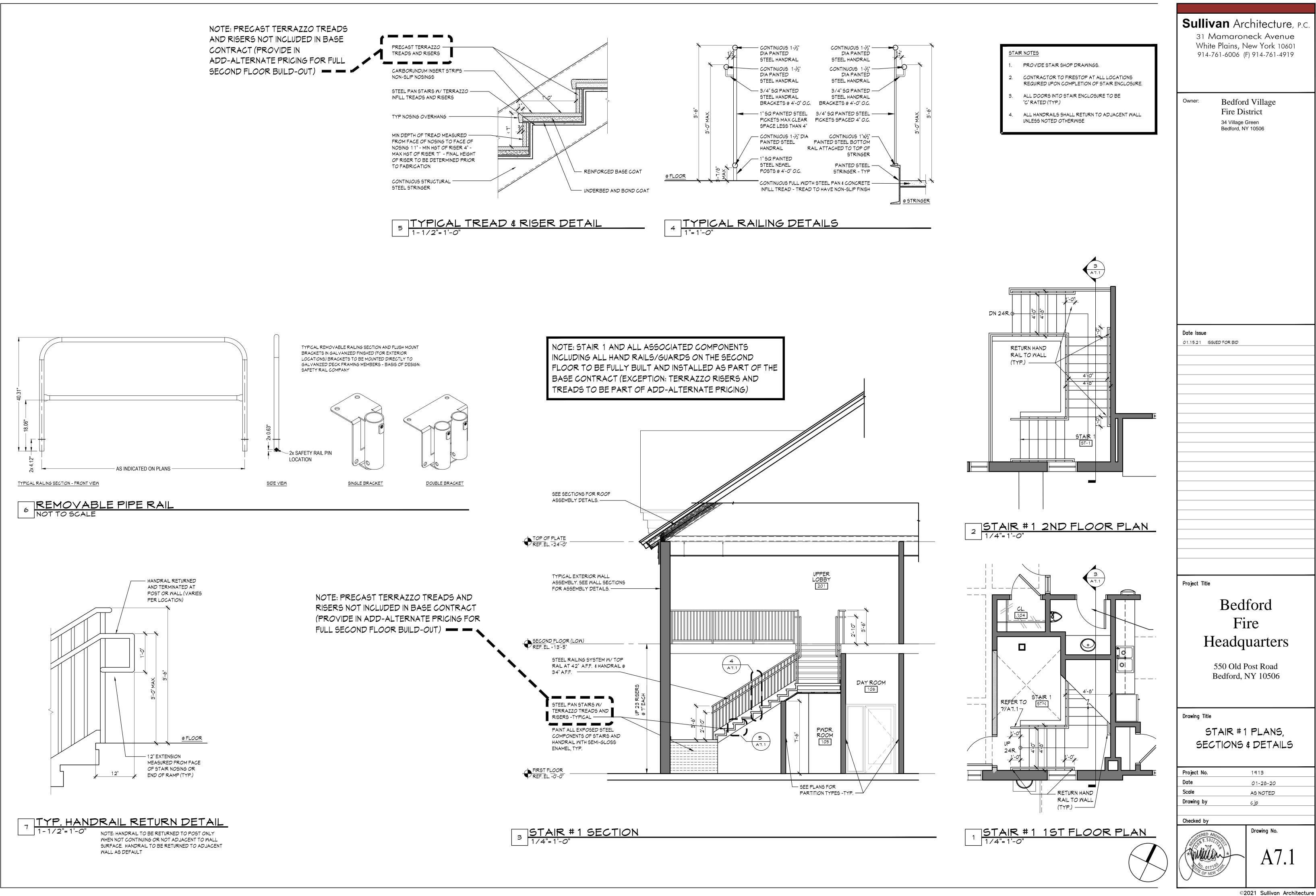


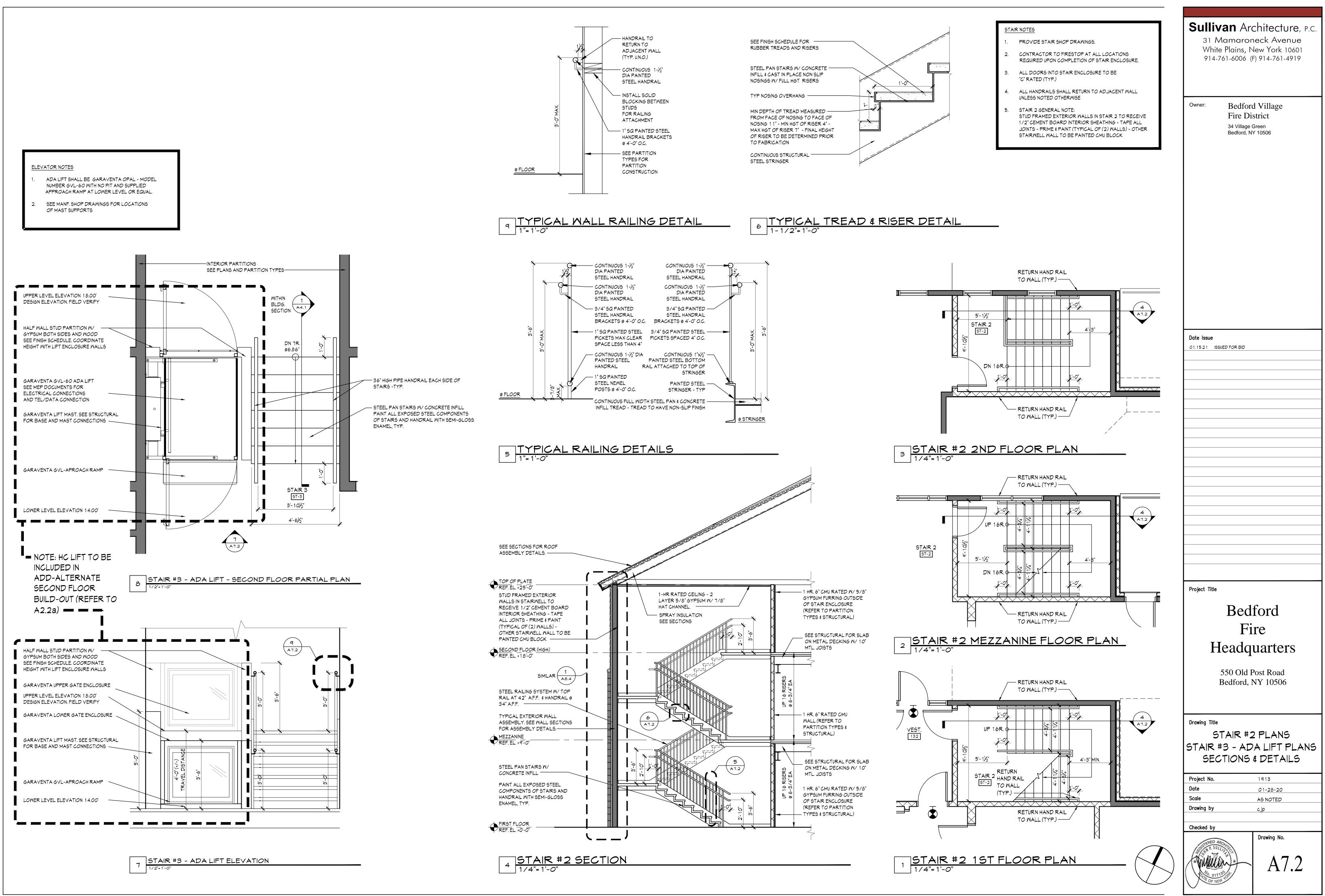
			LIGHTING FIXTURE SCHEDULE		NOTE: REFER TO ELECTRICAL DRAWINGS FOR COMPLETE LIGHTING INFORMATION
SYMBOL	FIXTURE	TYPE/DESCRIPTION	PRODUCT INFORMATION	MANUFACTURER	REMARKS
*	F1	ESSENCE ØFT FAN KIT	8 FT - 158 RPM	BIG ASS FANS	
	L1-8'	SAYLITE LED LINEAR LIGHTING CHANNEL	LLLSA - 97L - 23W1500L - 30K - SA	SAYLITE	
	L1-4'	SAYLITE LED LINEAR LIGHTING CHANNEL	LLLSA - 48L - 23W1500L - 30K - 5A	SAYLITE	MOUNTING KIT: HC601WH DRIVER: MTIM40L24DC
O	L2	LIGHTOLIER - CALCULITE LED 6" GEN 3	6RN - C6L30830ME1 - C6RDLWH	LIGHTOLIER	
	L3	DAY-BRITE RECESSED EVO GRID 2X2	2EVG30L835 - 2 - D - UNV - DIM	DAY-BRITE	
$\bigcirc$	L4	LIGHTOLIER - CALCULITE LED 6" GEN 3	6RN - C6L30830ME1 - C6RSLWH	LIGHTOLIER	
	L5	MEMORY LED LINEAR PENDANT	MFMP206783	MODERN FORMS	
<b>o</b>	L6	SHAPER - 122 SHAPER	122 - 36 - 5 - L9/830 - UNV - MW	SHAPER	DRUM: 122 - 36 - VLW
	L٦	DAY-BRITE INDUSTRIAL 5FL SPECIFICATION	5FL455L840 - PPS - UNV - DIM	DAY-BRITE	
	L8	DAY-BRITE INDUSTRIAL VAPORLUME LED DW	DWAETOL840 - 8 - UNV - WHP	DAY-BRITE	
	Lq	JAYLUM LED WALL MOUNTED SCONCE	JS - L - L - 2 - L35 - 1D - UNV - SU-WA - STD - W	CORELITE	
- <del> </del> -	L10	LEVITON - LED CEILING LAMPHOLDER	000 - 09850 - LED	LEVITON	
$\oplus$	L11	MAXIM - SHORELINE	10104BK	MAXIM	
$\bigotimes$	L12	ALFORD PLACE OUTDOOR PENDANT	HKYP297130-(12V LED OPTION)	HINKLEY	
	L13	MAXIM - LIGHTHOUSE	5866CLFTAR	MAXIM	CONTRACTOR TO PROVIDE RED BULBS
	L14	MAXIM - SPEC VANITY	52000 - POLISHED CHROME	MAXIM	
- <b>\$</b> -	L15	LITHONIA - UTILITY VAPOR TIGHTS	VW1505LM6	LITHONIA	
$\oplus$	L16	BARN LIGHT - CHEROKEE UPLIGHT SERIES	G - ULC 18 - 100 - G26 - CLR - NA - LED 16.8 - 3000K	BARN LIGHT	
	L17	EATON - ALL PRO - LED FLOOD SERIES	FSL2850LW	EATON	
	L18	DAY-BRITE INDUSTRIAL VAPORLUME LED V2	V2WAE51L840 - 4 - UNV - MD360W	DAY-BRITE	
$\bigcirc$	L19	DUO LED PENDANT	ALRP267758 - (LARGE OPTION FIXTURE)	ALORA LIGHTING	LARGE OPTION FIXTURE - 31.5" DIAMETER
	E-1	COOPER - SURE-LITES LPX SERIES	LPX 6 (WALL MOUNT)	COOPER	
<b>←</b> ▲→	E-2	COOPER - SURE-LITES LPX SERIES	LPX 6 (WALL MOUNT)	COOPER	REFER TO RCP FOR DIRECTION CHEVRONS
<b>←</b> ▲→	E-3	COOPER - SURE-LITES LPX SERIES	LPX 6 (CEILING MOUNT)	COOPER	REFER TO RCP FOR DIRECTION CHEVRONS

NOTE: THE SECOND FLOOR REFLECTED CEILING PLAN BUILD-OUT SHOWN ON A6.28 SHALL BE PRICED AS AN ADD-ALTERNATE. REFER TO A6.2 FOR THE REFLECTED CEILING PLAN OF THE SECOND FLOOR THAT IS TO BE INCLUDED IN THE BASE CONTRACT.



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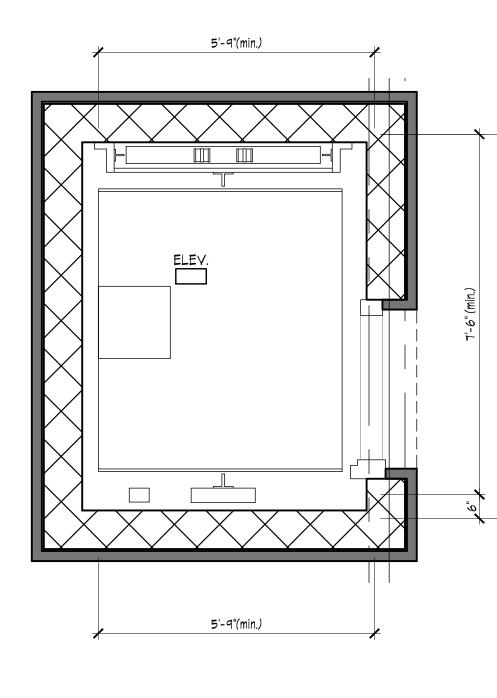


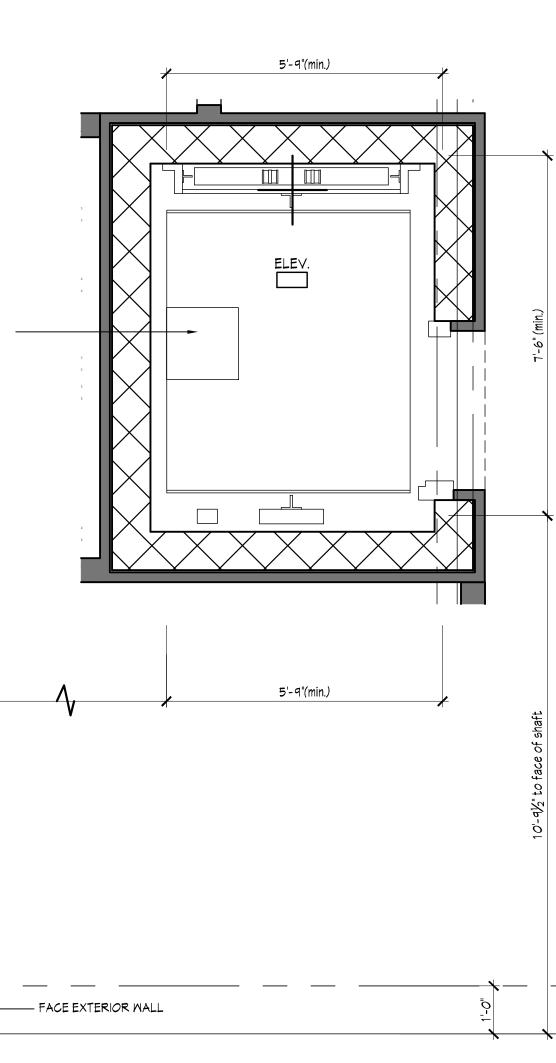


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## ELEVATOR NOTES

- ELEVATOR 1 SHALL BE A 3100 TRANSACTION ELEVATOR ABOVE GROUND BY SCHINDLER OR EQUAL. ELEVATOR SHALL BE 100 FPM SPEED (MIN.). FINAL SPEED SHALL BE CALCULATED BY VENDOR AND SUBMITTED FOR APPROVAL.
- ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL PIT 2. LIGHT AND GFI DUPLEX OUTLET COORDINATED WITH SHOP DRAWINGS.
- CONTRACTOR TO INSTALL PIT LADDER COORDINATED WITH SHOP DRAWINGS.
- EACH PRIME CONTRACTOR TO PROVIDE HOLES AS REQUIRED IN ELEVATOR SHAFT FIRESTOP AS REQUIRED UPON COMPLETION OF ELEVATOR INSTALLATION.
- CONTRACTOR TO PROVIDE SUMP PIT AT ELEVATOR SHAFT. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL NOTES & INFORMATION.
- ALL DOORS INTO ELEVATOR HOISTWAY TO BE 1 1/2 HOUR FIRE RATED, IN ACCORDANCE WITH NFPA 252 OR UL 10B.
- SEE MANF. SHOP DRAWINGS FOR LOCATIONS OF SHAFT INSERTS AND ALL M.O. OPENINGS REQUIRED.
- SEE ELECTRICAL DWG FOR POWER CONNECTIONS.
- OWNER VENDOR TO PROVIDE TELE/DATA CONNECTION COORDINATED W/ GC AND SCHINDLER



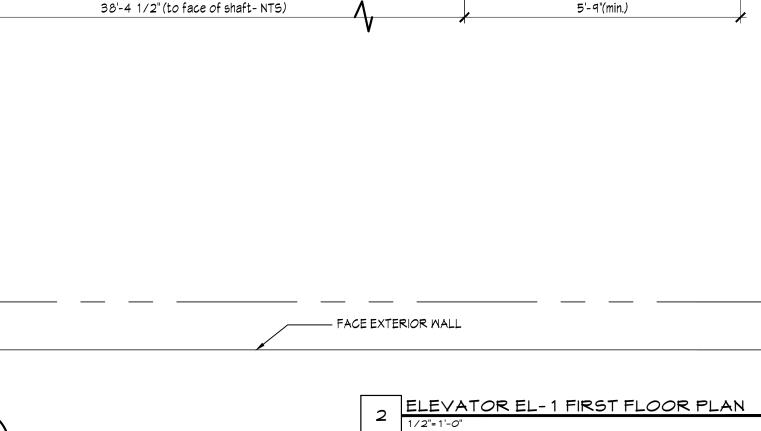






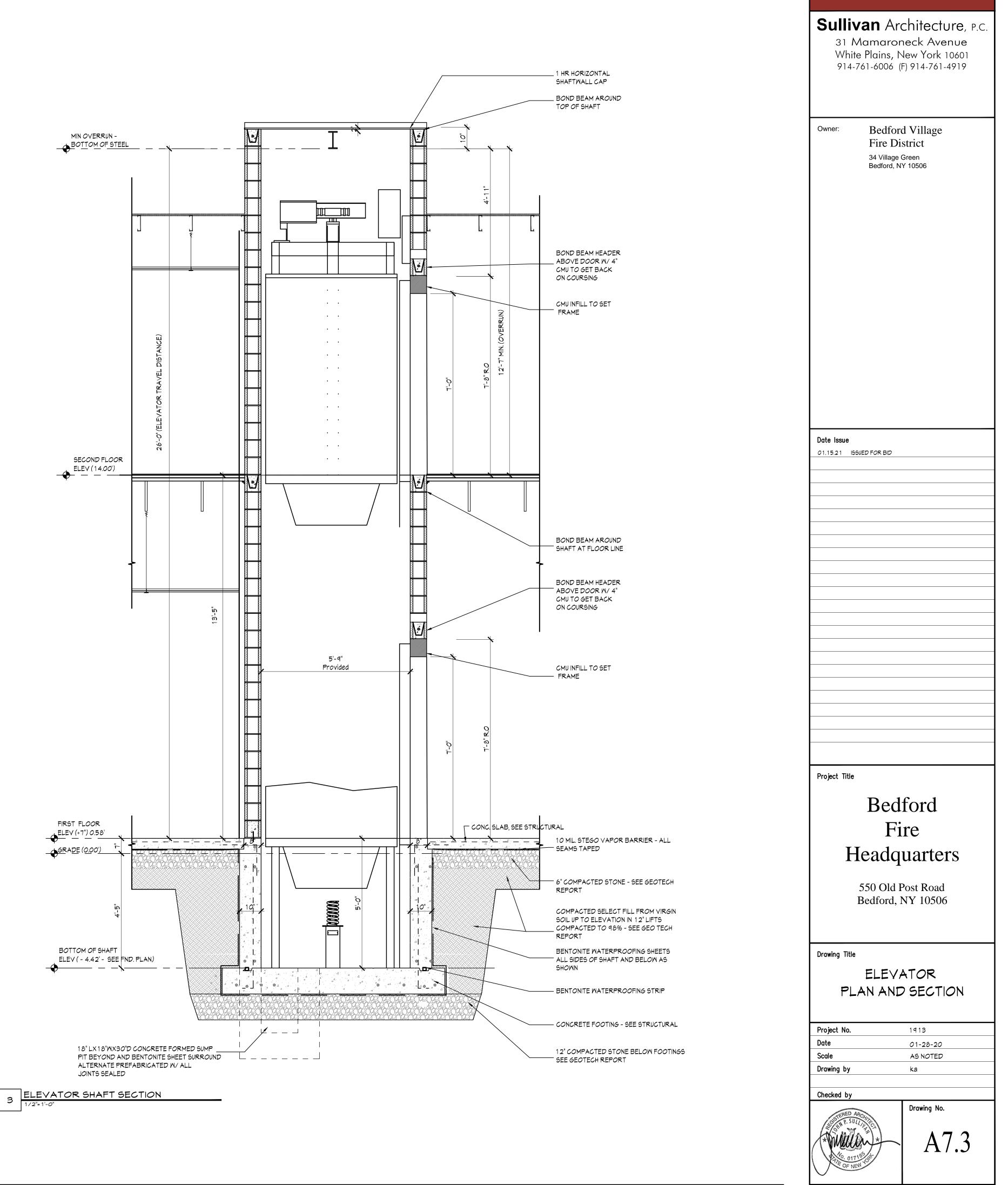
1/2"=1'-0

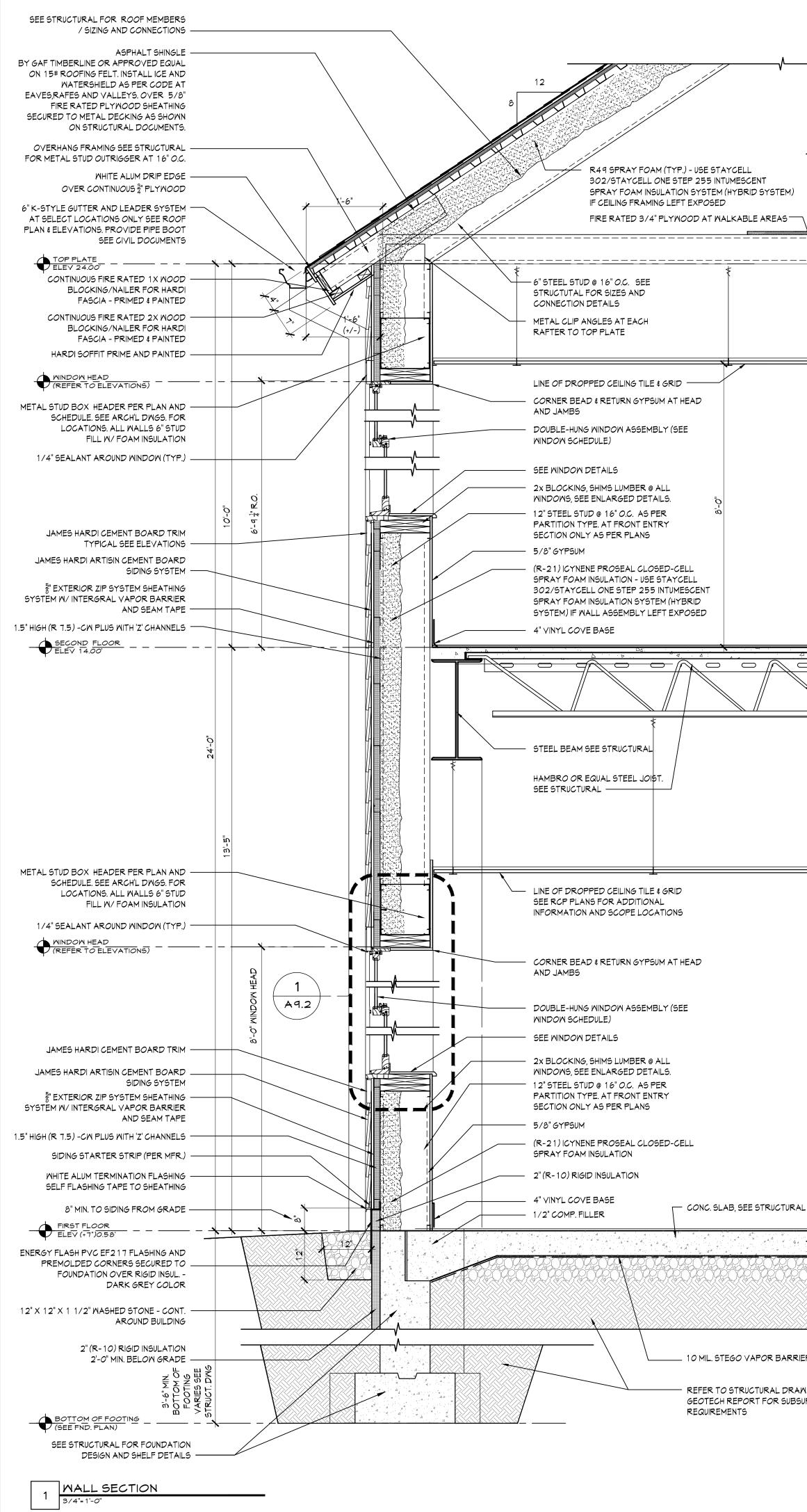


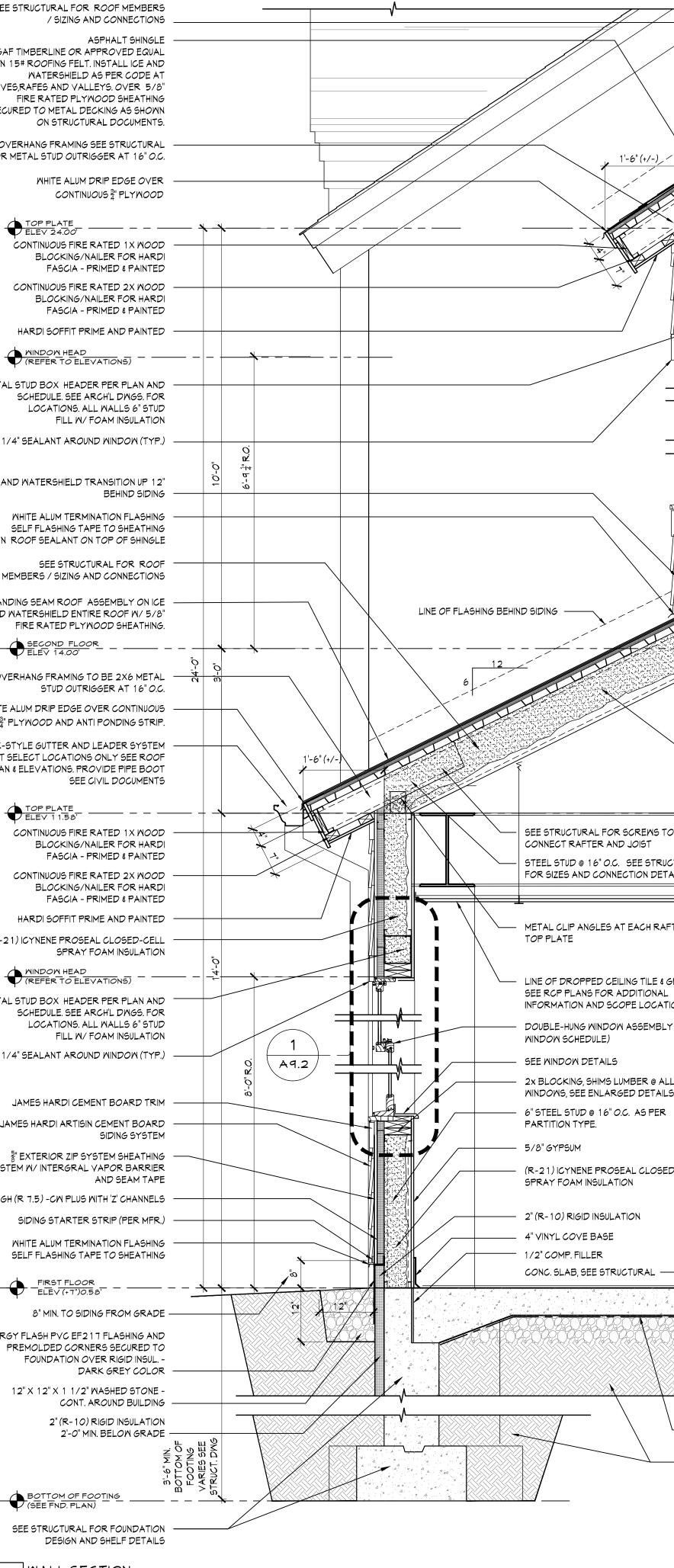


1'-0"

# ELEVATOR EL-1 SECOND FLOOR PLAN







SEE STRUCTURAL FOR ROOF MEMBERS / SIZING AND CONNECTIONS

BY GAF TIMBERLINE OR APPROVED EQUAL ON 15# ROOFING FELT. INSTALL ICE AND WATERSHIELD AS PER CODE AT EAVES, RAFES AND VALLEYS. OVER 5/8" FIRE RATED PLYWOOD SHEATHING SECURED TO METAL DECKING AS SHOWN ON STRUCTURAL DOCUMENTS.

OVERHANG FRAMING SEE STRUCTURAL FOR METAL STUD OUTRIGGER AT 16" O.C.

> WHITE ALUM DRIP EDGE OVER CONTINUOUS 3 PLYWOOD

CONTINUOUS FIRE RATED 1X WOOD BLOCKING/NAILER FOR HARDI FASCIA - PRIMED & PAINTED CONTINUOUS FIRE RATED 2X WOOD BLOCKING/NAILER FOR HARDI

HARDI SOFFIT PRIME AND PAINTED

(REFER TO ELEVATIONS)

METAL STUD BOX HEADER PER PLAN AND SCHEDULE. SEE ARCH'L DWGS. FOR LOCATIONS. ALL WALLS 6" STUD FILL W/ FOAM INSULATION

1/4" SEALANT AROUND WINDOW (TYP.)

ICE AND WATERSHIELD TRANSITION UP 12"

WHITE ALUM TERMINATION FLASHING SELF FLASHING TAPE TO SHEATHING SET IN ROOF SEALANT ON TOP OF SHINGLE

> SEE STRUCTURAL FOR ROOF MEMBERS / SIZING AND CONNECTIONS

STANDING SEAM ROOF ASSEMBLY ON ICE AND WATERSHIELD ENTIRE ROOF W/ 5/8" FIRE RATED PLYWOOD SHEATHING.

SECOND FLOOR -

OVERHANG FRAMING TO BE 2X6 METAL -STUD OUTRIGGER AT 16" O.C.

WHITE ALUM DRIP EDGE OVER CONTINUOUS  $\frac{3}{4}$ " PLYWOOD AND ANTI PONDING STRIP.

6" K-STYLE GUTTER AND LEADER SYSTEM AT SELECT LOCATIONS ONLY SEE ROOF PLAN & ELEVATIONS. PROVIDE PIPE BOOT SEE CIVIL DOCUMENTS

TOP PLATE ELEV 1 1.58

CONTINUOUS FIRE RATED 1X WOOD BLOCKING/NAILER FOR HARDI FASCIA - PRIMED & PAINTED CONTINUOUS FIRE RATED 2X WOOD

BLOCKING/NAILER FOR HARDI FASCIA - PRIMED & PAINTED HARDI SOFFIT PRIME AND PAINTED

(R-21) ICYNENE PROSEAL CLOSED-CELL SPRAY FOAM INSULATION

(REFER TO ELEVATIONS) - ----

METAL STUD BOX HEADER PER PLAN AND SCHEDULE. SEE ARCH'L DWGS. FOR LOCATIONS. ALL WALLS 6" STUD FILL W/ FOAM INSULATION

1/4" SEALANT AROUND WINDOW (TYP.)

JAMES HARDI CEMENT BOARD TRIM

JAMES HARDI ARTISIN CEMENT BOARD SIDING SYSTEM

SYSTEM W/ INTERGRAL VAPOR BARRIER

1.5" HIGH (R 7.5) -CW PLUS WITH 'Z' CHANNELS

WHITE ALUM TERMINATION FLASHING

8" MIN. TO SIDING FROM GRADE -ENERGY FLASH PVC EF217 FLASHING AND PREMOLDED CORNERS SECURED TO FOUNDATION OVER RIGID INSUL. -DARK GREY COLOR

> 12" X 12" X 1 1/2" WASHED STONE -CONT. AROUND BUILDING

2" (R-10) RIGID INSULATION 2'-0" MIN. BELOW GRADE -

SEE STRUCTURAL FOR FOUNDATION DESIGN AND SHELF DETAILS

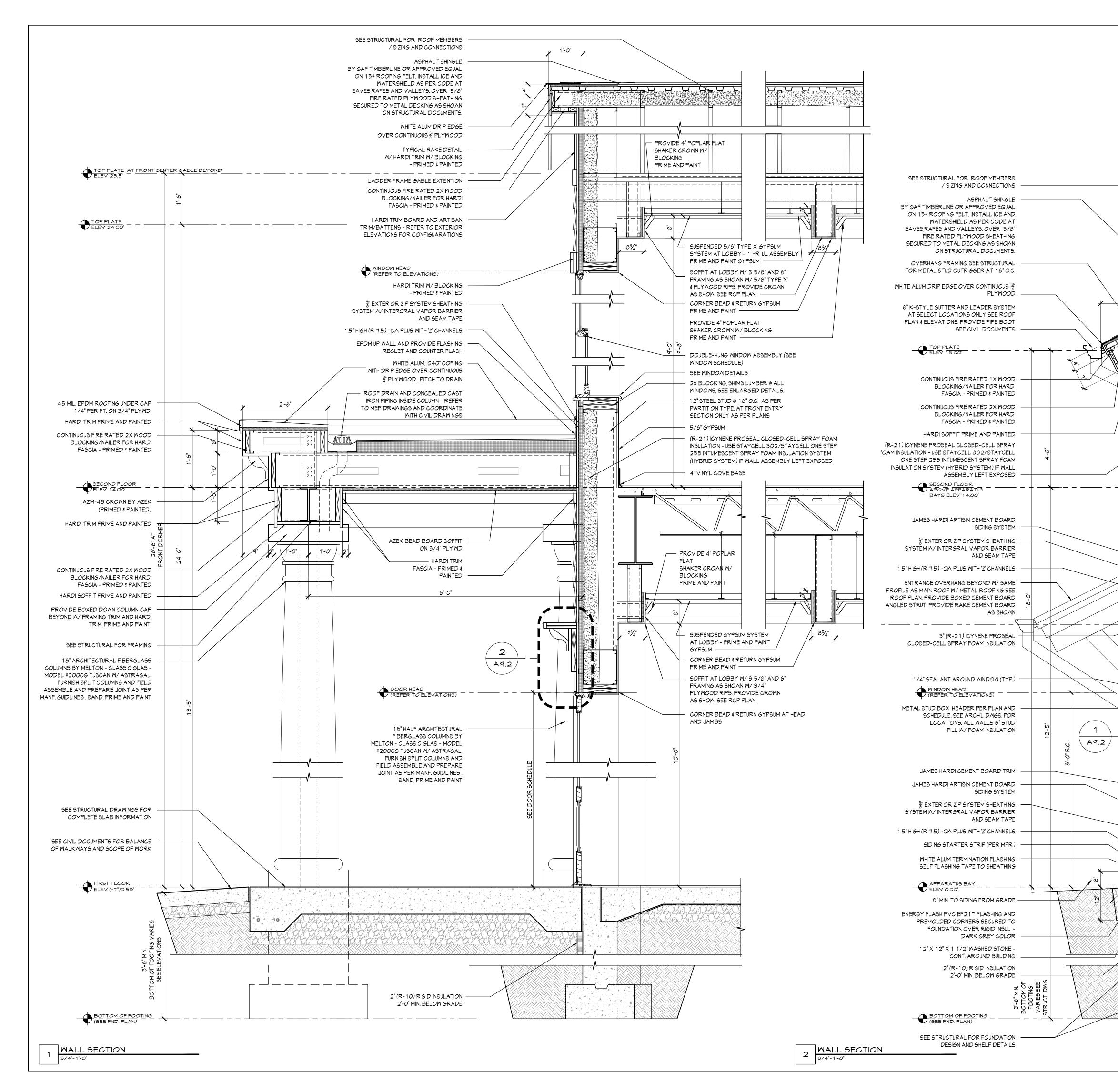
2 WALL SECTION 3/4"=1'-0"

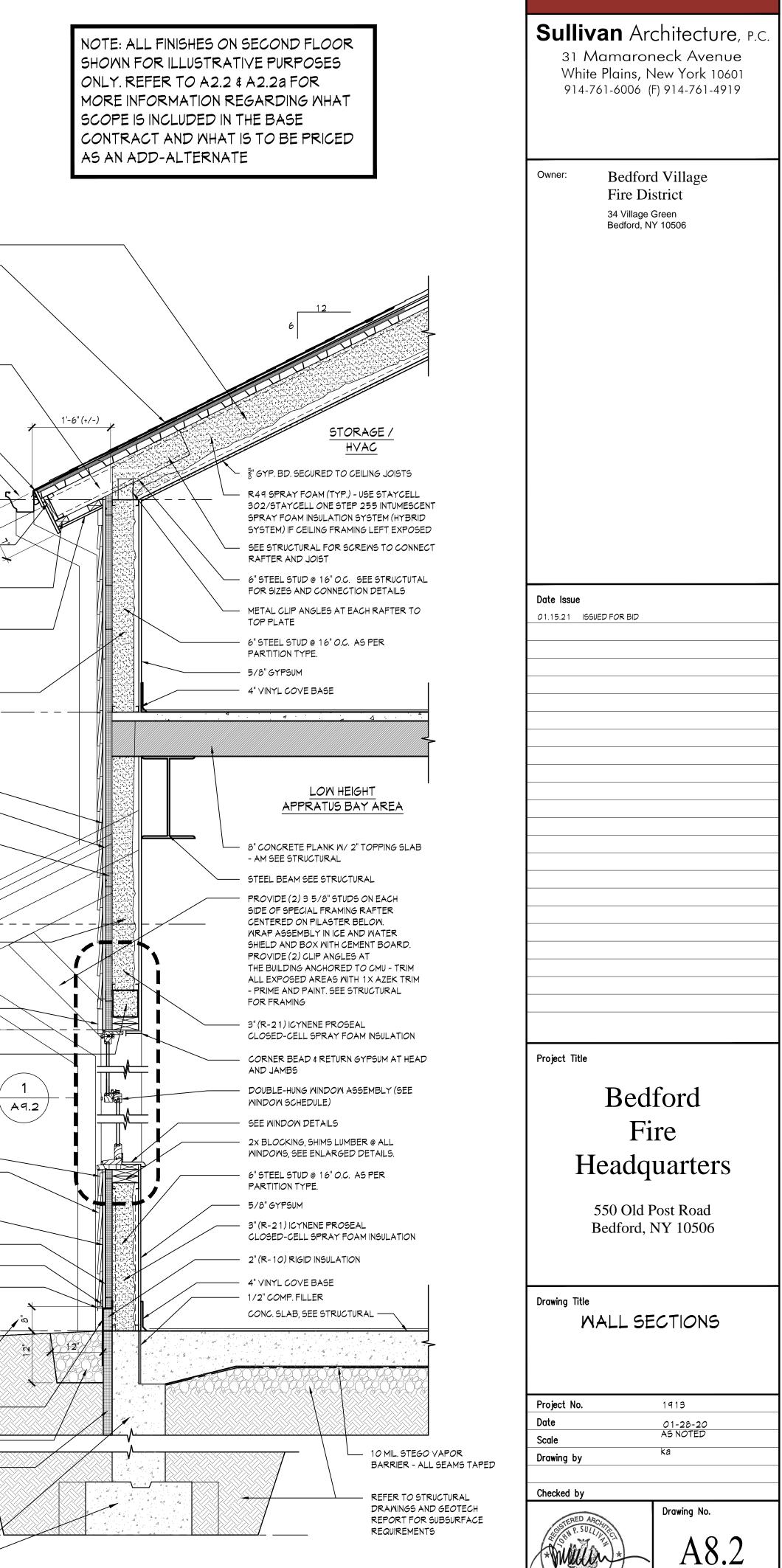
- CONC. SLAB, SEE STRUCTURAL

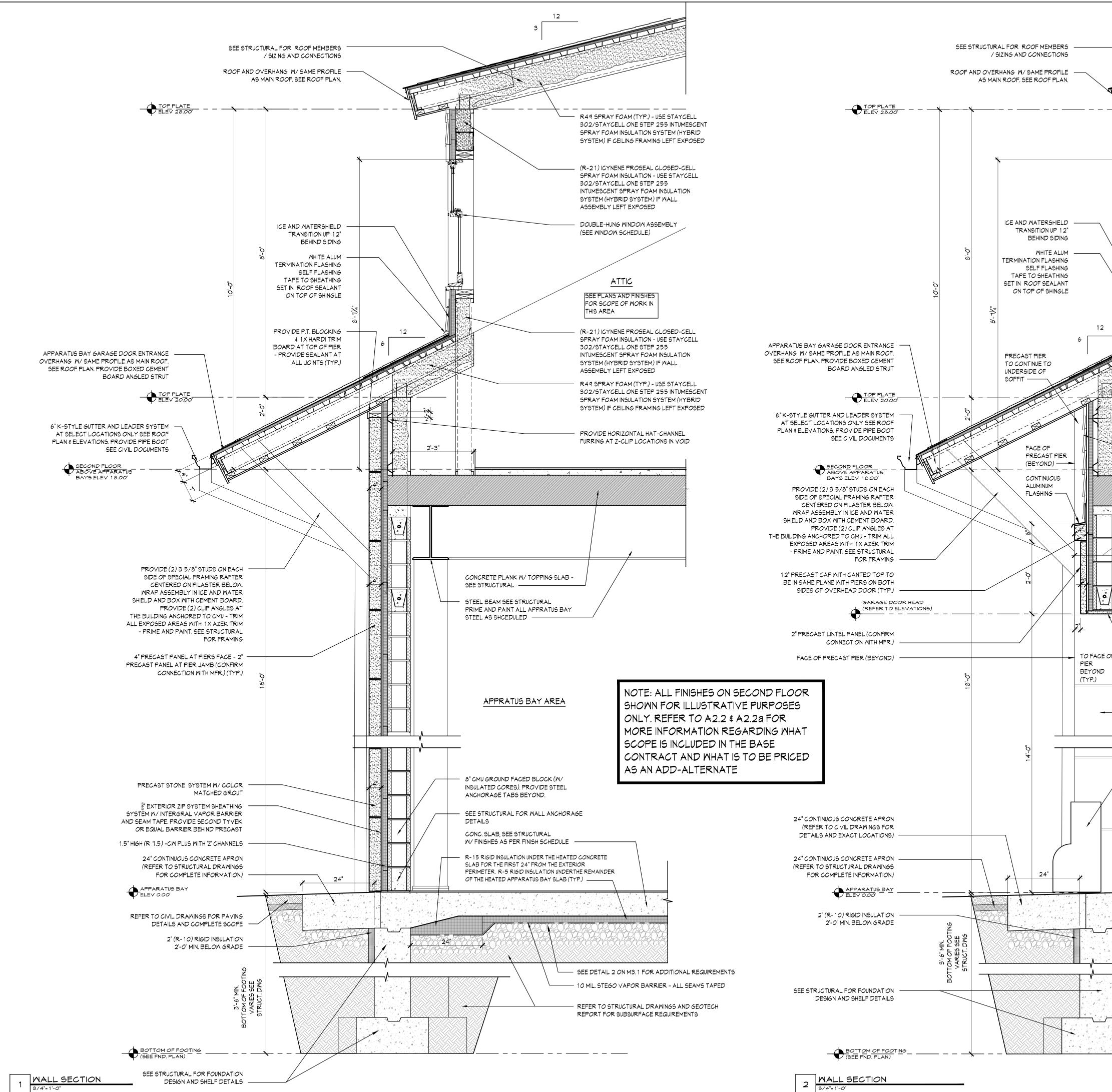
\_\_\_\_ 10 MIL. STEGO VAPOR BARRIER - ALL SEAMS TAPED

REFER TO STRUCTURAL DRAWINGS AND GEOTECH REPORT FOR SUBSURFACE

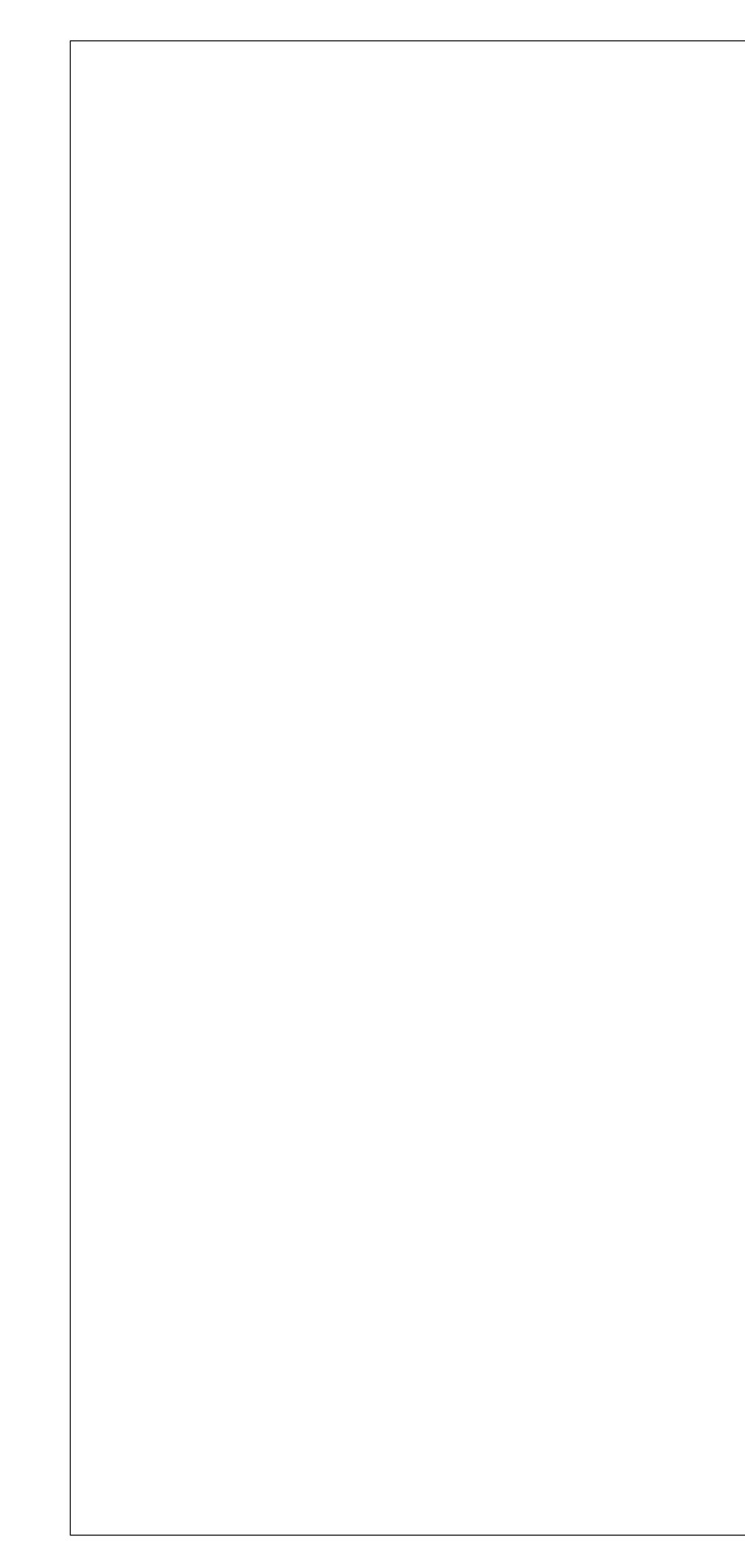
		31 N White	<b>/an</b> Architecture, p.c Mamaroneck Avenue e Plains, New York 10601 761-6006 (F) 914-761-4919
	R49 SPRAY FOAM (TYP.) - USI 302/STAYCELL ONE STEP 25 INTUMESCENT SPRAY FOAM IN SYSTEM (HYBRID SYSTEM) IF 0 FRAMING LEFT EXPOSED FIRE RATED 3/4" PLYWOOD A WALKABLE AREAS 6" STEEL STUD @ 16" O.C. SEE STRUCTUTAL FOR SIZES AND CONNECTION DETAILS METAL CLIP ANGLES AT EACH RAFTER TO TOP PLATE LINE OF DROPPED CEILING TILE & GRID CORNER BEAD & RETURN GYPSUM AT HEAD AND JAMBS	55 S Owner: ISULATION CEILING	Bedford Village Fire District 34 Village Green Bedford, NY 10506
	DOUBLE-HUNG WINDOW ASSEMBLY (SEE WINDOW SCHEDULE) SEE WINDOW DETAILS 2x BLOCKING, SHIMS LUMBER @ ALL WINDOWS, SEE ENLARGED DETAILS. 6" STEEL STUD @ 16" O.C. AS PER PARTITION TYPE. 5/8" GYPSUM (R-21) ICYNENE PROSEAL CLOSED-CELL SPRAY FOAM INSULATION - USE STAYCELL 302/STAYCELL ONE STEP 255 INTUMESCENT SPRAY FOAM INSULATION SYSTEM (HYBRID SYSTEM) IF WALL ASSEMBLY LEFT EXPOSED 4" VINYL COVE BASE	Date Issue 01.15.21 155	
ALL TAILS	MING LEFT EXPOSED BRO OR EQUAL STEEL JOIST. STRUCTURAL EL BEAM SEE STRUCTURAL EL BEAM SEE STRUCTURAL EL BEAM SEE STRUCTURAL SHOWN FOR ILLUSTRATIVE PURPOSE ONLY. REFER TO A2.2 & A2.2a FOR MORE INFORMATION REGARDING WH SCOPE IS INCLUDED IN THE BASE	5	Bedford Fire
REFER TO ST	CONTRACT AND WHAT IS TO BE PRIC AS AN ADD-ALTERNATE	 Drawing Title	Inc         Ieadquarters         550 Old Post Road         Bedford, NY 10506         NALL SECTIONS         1913         01-28-20         A5 NOTED         ka         Drawing No.         MAR.1

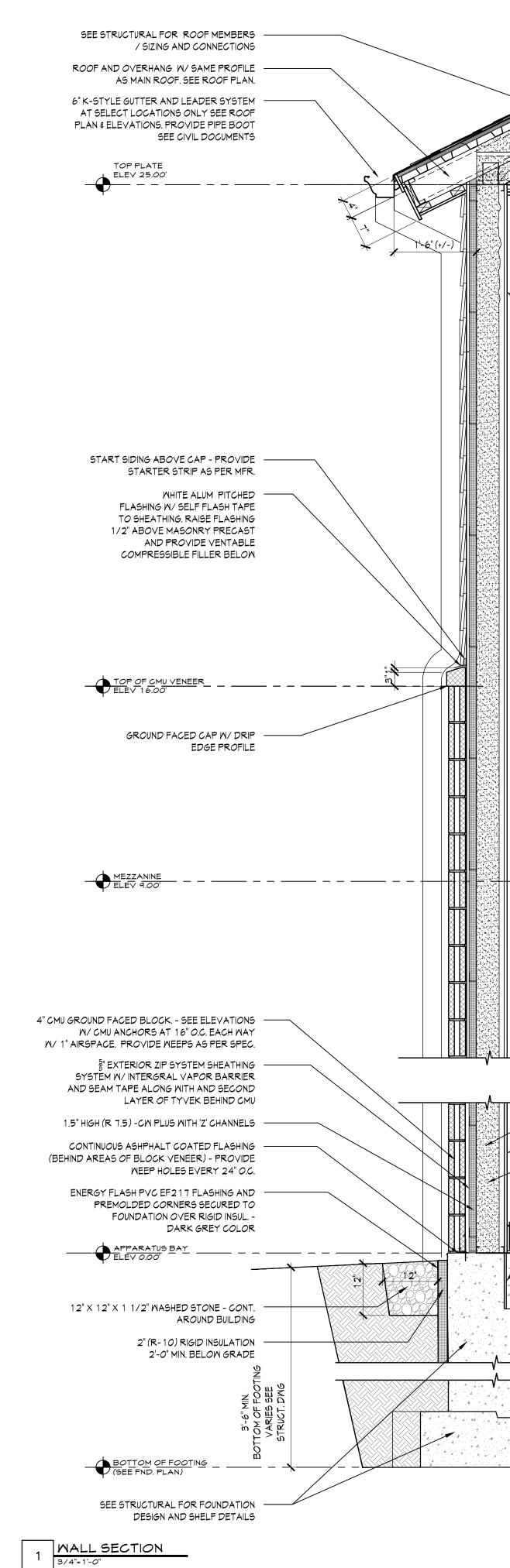




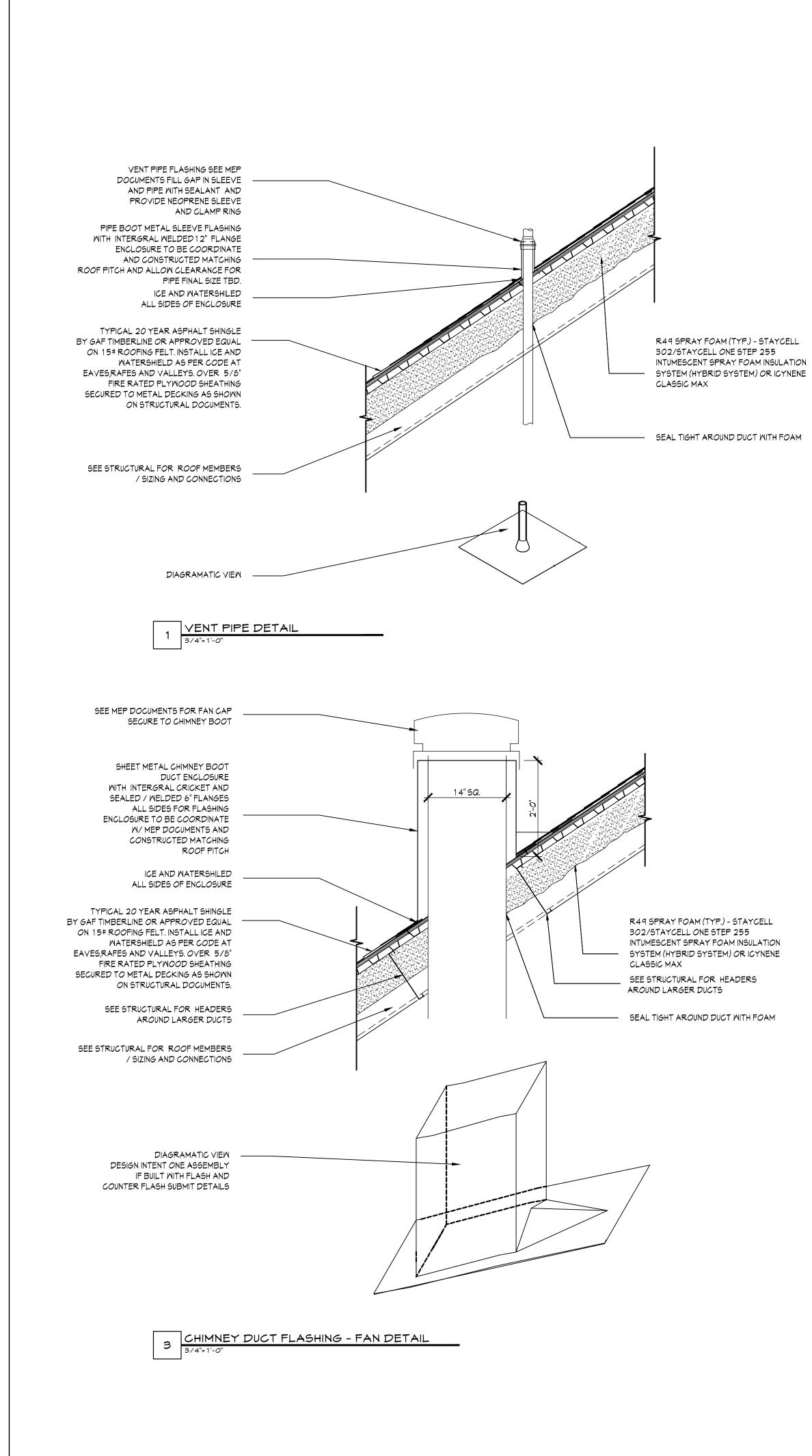


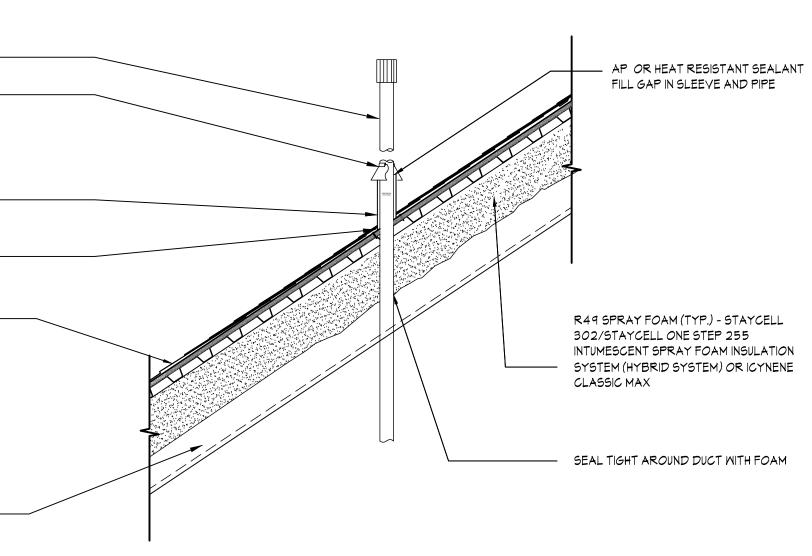
3	<b>Sullivan</b> Architecture, p.c. 31 Mamaroneck Avenue
	White Plains, New York 10601 914-761-6006 (F) 914-761-4919
R49 SPRAY FOAM (TYP.) - USE STAYCELL 302/STAYCELL ONE STEP 255 INTUMESCENT SPRAY FOAM INSULATION SYSTEM (HYBRID	
SYSTEM) IF CEILING FRAMING LEFT EXPOSED	Owner: Bedford Village Fire District
(R-21) ICYNENE PROSEAL CLOSED-CELL SPRAY FOAM INSULATION - USE STAYCELL 302/STAYCELL ONE STEP 255 INTUMESCENT SPRAY FOAM INSULATION SYSTEM (HYBRID SYSTEM) IF WALL ASSEMBLY LEFT EXPOSED	34 Village Green Bedford, NY 10506
DOUBLE-HUNG WINDOW ASSEMBLY (SEE WINDOW SCHEDULE)	
ATTIC SEE PLANS AND FINISHES	
FOR SCOPE OF MORK IN THIS AREA	
(R-21) ICYNENE PROSEAL CLOSED-CELL SPRAY FOAM INSULATION - USE STAYCELL 302/STAYCELL ONE STEP 255 INTUMESCENT SPRAY FOAM INSULATION SYSTEM (HYBRID SYSTEM) IF WALL ASSEMBLY LEFT EXPOSED	
R49 SPRAY FOAM (TYP.) - USE STAYCELL 302/STAYCELL ONE STEP 255 INTUMESCENT 2'-3"	
SYSTEM) IF CEILING FRAMING LEFT EXPOSED	Date Issue 01.15.21 ISSUED FOR BID
Z-CLIP LOCATIONS IN VOID	
CONCRETE PLANK W/ TOPPING SLAB - SEE STRUCTURAL	
STEEL BEAM SEE STRUCTURAL PRIME AND PAINT ALL APPARATUS BAY STEEL AS SCHEDULED	
2X12 FRT BLOCKING AT HEAD	
AND 2X6 ON EACH SIDE OF EACH DOOR FOR GARAGE DOOR ATTACHMENT W/ FINISH TRIM - PRIME AND PAINT.	
DF WEATHER-PROOF GASKET	
PRECAST STONE PANEL UNDERSIDE (CONFIRM CONNECTION W/MFR.)	
24" HIGH PRECAST STONE PANEL DOOR JAMB RETURNS (BEYOND)	Project Title
	Bedford
STEEL WHEEL GUARD WELDED TO CHANNEL - PRIME AND PAINT - COLOR TO BE SELECTED	Fire
	Headquarters
CONC. SLAB, SEE STRUCTURAL W/ FINISHES AS PER FINISH SCHEDULE	550 Old Post Road
R-15 RIGID INSULATION UNDER THE HEATED CONCRETE SLAB FOR THE FIRST 24" FROM THE EXTERIOR	Bedford, NY 10506
PERIMETER. R-5 RIGID INSULATION UNDERTHE REMAINDER         OF THE HEATED APPARATUS BAY SLAB (TYP.)	
	Drawing Title WALL SECTIONS
	Project No. 1913
SEE DETAIL 2 ON M3.1 FOR ADDITIONAL REQUIREMENTS	Date         01-28-20           Scale         AS NOTED
10 MIL. STEGO VAPOR BARRIER - ALL SEAMS TAPED	Drawing by ka
REFER TO STRUCTURAL DRAWINGS AND GEOTECH	Checked by Drawing No.
REPORT FOR SUBSURFACE REQUIREMENTS	A8.3
	10.J





6		Sullivan Arc 31 Mamaron White Plains, N 914-761-6006 (F	eck Avenue ew York 10601
TWO (2) LAYERS 5/8" T BOARD ON 7/8" HAT CH	ANNEL = 1 HOUR	Owner: Bedford Fire Dis 34 Village G Bedford, NY	Green
RATING AT STAIR CEILIN R49 SPRAY FOAM (TYP. 302/STAYCELL ONE ST SPRAY FOAM INSULATIO SYSTEM) IF CEILING FRA 5/8" GYPSUM BOARD NOTE: STUD FRAMED EX STAIRWELL TO RECEIVE BOARD INTERIOR SHEAT JOINTS - PRIME & PAINT ( WALLS)	) - USE STAYCELL EP 255 INTUMESCENT N SYSTEM (HYBRID MING LEFT EXPOSED TERIOR WALLS IN 1/2" CEMENT "HING - TAPE ALL		
SECTIONS I	PLANS AND FOR SCOPE N THIS AREA	Date Issue 01.15.21 ISSUED FOR BID	
SHOWN I ONLY. R MORE IN SCOPE I CONTRA	LL FINISHES ON SECOND FLOOR FOR ILLUSTRATIVE PURPOSES EFER TO A2.2 & A2.2a FOR FORMATION REGARDING WHAT S INCLUDED IN THE BASE ACT AND WHAT IS TO BE PRICED DD-ALTERNATE		
		Project Title Bed Fi	
6" STEEL STUD @ 16" O.C PARTITION TYPE. 5/8" GYPSUM 3" (R-21) ICYNENE PROS CLOSED-CELL SPRAY F 4" VINYL COVE BASE 1/2" COMP. FILLER CONC. SLAB, SEE STRUC W/ FINISHES AS PER FINIS	EAL OAM INSULATION TURAL	550 Old P Bedford, N	uarters ost Road
		Drawing Title MALL SE	CTIONS
	10 MIL. STEGO VAPOR BARRIER - ALL SEAMS TAPED	Project No. Date Scale Drawing by	1913 01-28-20 AS NOTED ka
	REFER TO STRUCTURAL DRAWINGS AND GEOTECH REPORT FOR SUBSURFACE REQUIREMENTS	Checked by	Drawing No. $A8.4$





METAL DUCT / PIPE SEE MEP DOCUMENTS METAL PIPE HOOD WITH COLLAR AND AP OR HEAT RESISTANT SEALANT

CUSTOM HEAVY DUTY PIPE BOOT SLEEVE WITH INTERGRAL 6" FLANGE CIRCULAR ENCLOSURE TO BE COORDINATE AND CONSTRUCTED MATCHING ROOF PITCH. ASSEMBLY MUST BE LARGER THAN SPECIFIED PIPE EXHAUST AS PER MANF. SPECIFICATIONS ICE AND WATERSHILED

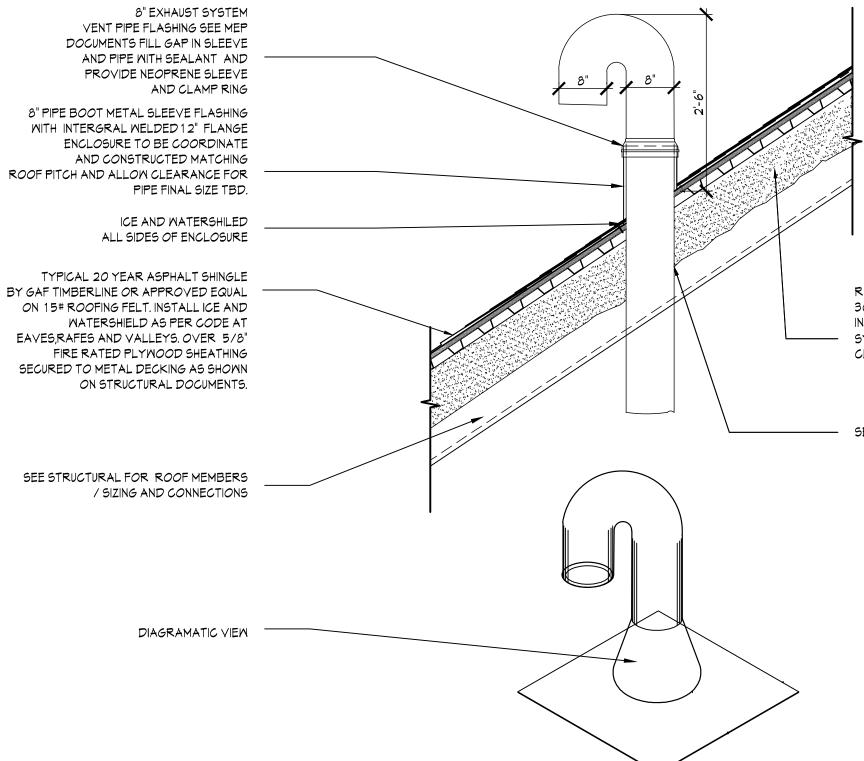
ALL SIDES OF ENCLOSURE

TYPICAL 20 YEAR ASPHALT SHINGLE BY GAF TIMBERLINE OR APPROVED EQUAL ON 15# ROOFING FELT. INSTALL ICE AND WATERSHIELD AS PER CODE AT EAVES, RAFES AND VALLEYS. OVER 5/8" FIRE RATED PLYWOOD SHEATHING SECURED TO METAL DECKING AS SHOWN ON STRUCTURAL DOCUMENTS.

SEE STRUCTURAL FOR ROOF MEMBERS

/ SIZING AND CONNECTIONS

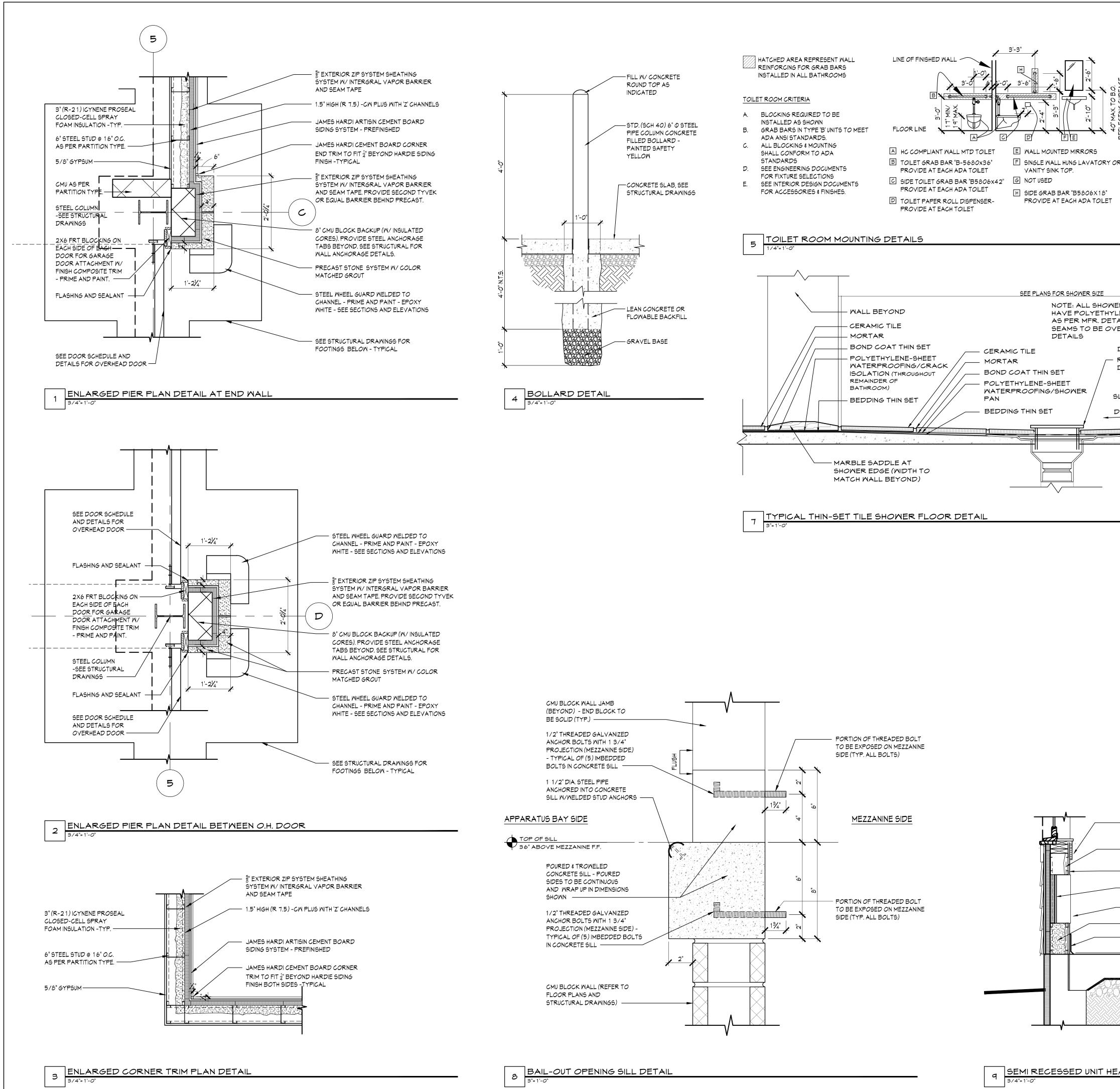
2 HOT - VENT PIPE DETAIL 3/4"= 1'-0"



R49 SPRAY FOAM (TYP.) - STAYCELL 302/STAYCELL ONE STEP 255 INTUMESCENT SPRAY FOAM INSULATION - SYSTEM (HYBRID SYSTEM) OR ICYNENE CLASSIC MAX

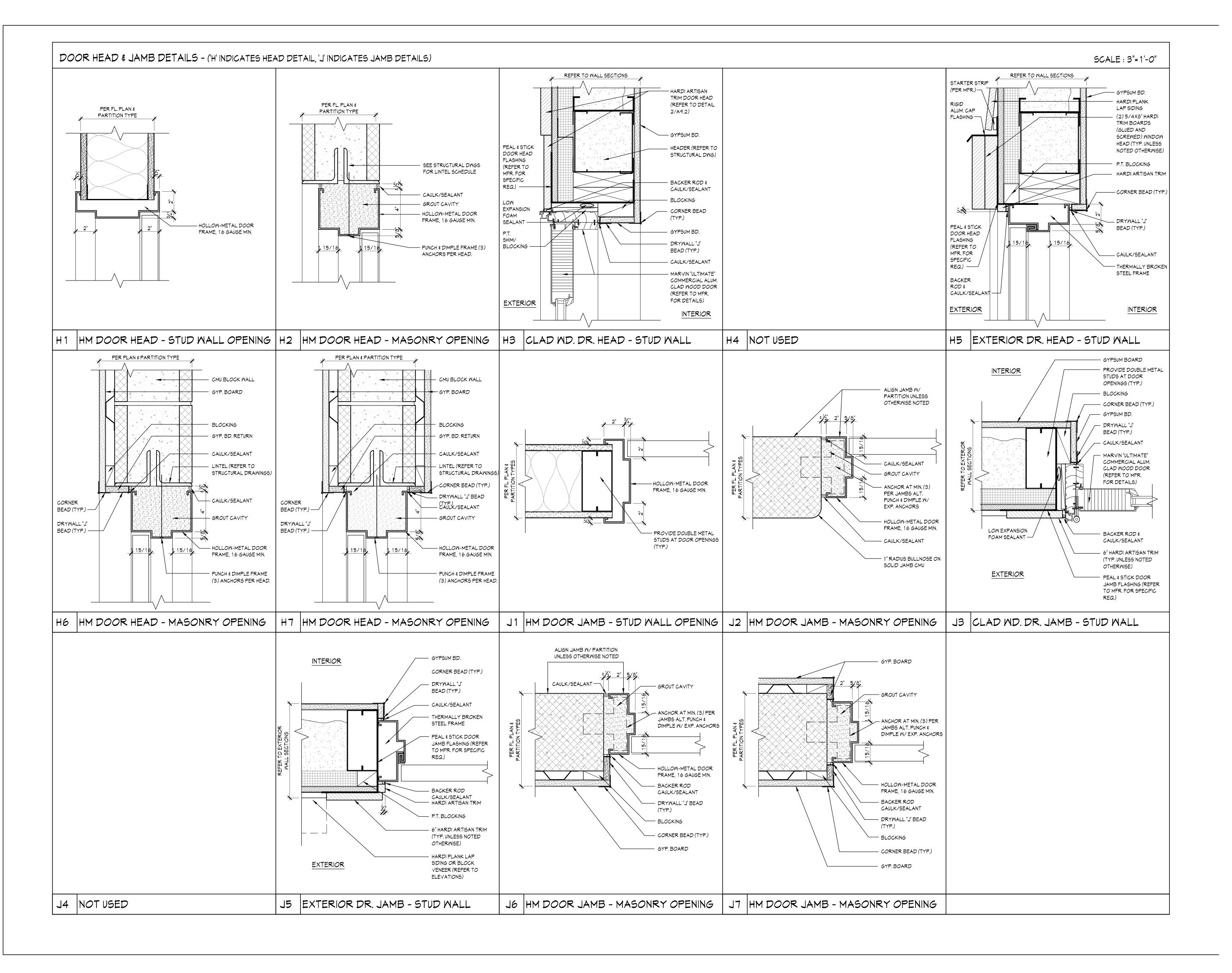
4 TRUCK EXHAUST SYSTEM PIPE FLASHING DE TAIL

Owner:       Bedford Village         Givener:       A Village Green         Bedford, NY 10506       Bedford, NY 10506         Dote tesue       G1.1521         G1.1521       SSGEP FOR BID         Givener:       Bedford         Dote tesue       G1.1521         G1.1521       SSGEP FOR BID         Givener:       Bedford         Bedford       Bedford         Bedford, NY 10506       SSGE FOR BID	Project Title Project Title Bedford, NY 10506	Sullivan Architecture, p.c. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
01.15.21       ISSUED FOR BID	01.15.21       ISSUED FOR BD         Image: Second Seco	Fire District 34 Village Green
Bedford Fire HeadquartersS50 Old Post Road Bedford, NY 10506Drawing TitleMISC. DETAILS	Bedford Fire Headquarters         S50 Old Post Road Bedford, NY 10506         Drawing Title         MISC. DETAILS         Project No.       1913 	
Bedford Fire HeadquartersS50 Old Post Road Bedford, NY 10506Drawing TitleMISC. DETAILS	Bedford Fire Headquarters         S50 Old Post Road Bedford, NY 10506         Drawing Title         MISC. DETAILS         Project No.       1913 Date         Date       01-28-20 AS NOTED         Scale       AS NOTED         Drawing by       Ka	
Bedford Fire HeadquartersS50 Old Post Road Bedford, NY 10506Drawing TitleMISC. DETAILS	Bedford Fire Headquarters         S50 Old Post Road Bedford, NY 10506         Drawing Title         MISC. DETAILS         Project No.       1913 Date         Date       01-28-20 AS NOTED         Scale       AS NOTED         Drawing by       Ka	
MISC. DETAILS	MISC. DETAILS Project No. 1913 Date 01-28-20 Scale AS NOTED Checked by Drawing by Drawing No.	Bedford Fire Headquarters 550 Old Post Road
	Date 01-28-20 Scale AS NOTED Drawing by ka Checked by Drawing No.	MISC. DETAILS

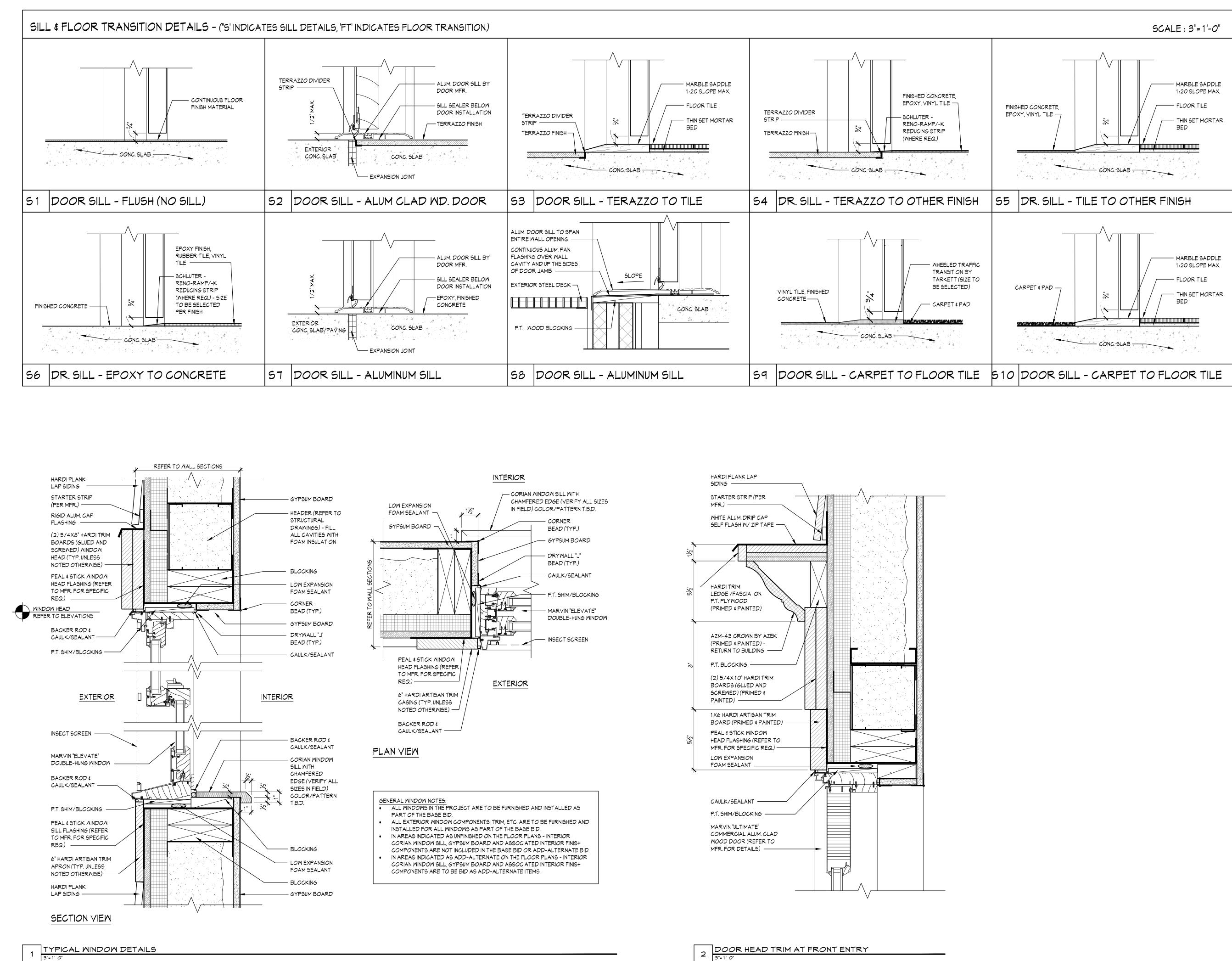


	CEILING LINE
	Accessible exits shall have exit signs which have international sign of accessibility
40' MAX. TO B.O. REFLECTING SURFACE	B C D E F F F F F F F F F F F F F
OR	<ul> <li>A WALL MOUNTED OUTLET/TELE</li> <li>B WALL MOUNTED SWITCH</li> <li>C WALL MOUNTED THERMOSTAT</li> <li>D WALL MOUNTED HORN STROBE</li> <li>E WALL MOUNTED EXIT LIGHT - MIN 6" BELOW CEILING</li> <li>F FIRE EXTINGUISHER CABINET</li> </ul>
	6 VARIOUS MOUNTING HEIGHT INFORMATION
DRAIN INFORMA SOUN BATH SLOPE TO POLY DRAIN WATE ISOLA	ERPROOFING ERS AND ER MFR. LE BACKER
SEE WINDOW	
2x BLOCKING WINDOWS, SE 6" STEEL STU PARTITION T 5/8" GYPSUM ADDITIONAL HEATER W/ G SEMI RECESS	9, SHIMS LUMBER @ ALL E ENLARGED DETAILS. D @ 16" O.C. AS PER (PE. R-10 (2") BEHIND UNIT MYPSUM BOARD ED UNIT HEATER
3"(R-21)ICY	ER.O. W/ MANF. NENE PROSEAL L SPRAY FOAM INSULATION 'E BASE
EATER	

Sullivan Arc	chitecture, p.c.
31 Mamaror White Plains, N	
914-761-6006 (I	
Owner: Bedford	d Village
Fire Di	
34 Village ( Bedford, N	
Date Issue	
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Drainat Titla	
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Whit	te Plains, №	neck Avenue Jew York 10601 F) 914-761-4919
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31 Mamarone White Plains, Nev	w York 10601
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34 Village Gre Bedford, NY 1	en
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Bedfe	ord
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SISTERED ARCHINE	rawing No.
(* William)*	A9.2
THE OF NEW YOR	

### **DESIGN CRITERIA**

HAZARD CLASSIFICATION <sup>(1)</sup>	DENSITY <sup>(2)</sup>	PROTECTION AREA PER SPRINKLER <sup>(3)</sup>
LIGHT HAZARD	0.1 GPM / 1500 SQ. FT.	225 SQ. FT. MAX
ORDINARY HAZARD GROUP 1	0.15 GPM / 1500 SQ. FT.	130 SQ. FT. MAX
ORDINARY HAZARD GROUP 2	0.2 GPM / 1500 SQ. FT.	130 SQ. FT. MAX
EXTRA HAZARD GROUP 1	0.3 GPM / 2500 SQ. FT.	100 SQ. FT. MAX
EXTRA HAZARD GROUP 2	0.4 GPM / 2500 SQ. FT.	100 SQ. FT. MAX
<ol> <li>1.) HAZARD CLASSIFICATION, D IN ACCORDANCE WITH NFPA 13 NOTED.</li> <li>2.) WHERE REQUIRED BY THE E JURISDICTION FOR PERMIT, THE CALCULATED.</li> <li>3.) THE MINIMUM PRESSURE AT</li> <li>4.) EQUIVALENT FITTING LENGTH IN ACCORDANCE WITH NFPA 13</li> <li>5.) DISCHARGE FROM EACH SP AREA COVERAGE BY THIS HEAT</li> <li>DETERMINED IN ACCORDANCE W</li> <li>6.) HYDRAULIC CALCULATIONS</li> </ol>	5 – 2013 RECOMMENDATIONS BUILDING DEPARTMENT OR A ENTIRE SYSTEM SHALL BE T EACH SPRINKLER HEAD SH HS USED IN HYDRAULIC CAL 5 – 2013. RINKLER SHALL NOT BE LES D. AREA COVERAGE PER HEA WITH NFPA 13 SECTION 8.6.2	S UNLESS OTHERWISE UTHORITY HAVING HYDRAULICALLY ALL BE 7 PSI. CULATIONS SHALL BE SS THAN REQUIRED AD SHALL BE 2.2.1 (2013).
TO THE RISER OR SPRINKLER (	· · · · · · · · · · · · · · · · · · ·	

SECOND (FPS).

- 7.) FLOW VELOCITY IN SPRINKLER PIPING SHALL NOT EXCEED 20 FEET PER

## SYMBOL & ABBREVIATIONS

SYMBOL

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N1

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		(IIONO
	ABBREVIATION	DESCRIPTION
_	EX.	EXISTING TO REMAIN
_	NEW	NEW WORK

	DEM.	EXISTING TO BE REMOVED
0	_	ELBOW UP
C	_	ELBOW DOWN
	_	TEE DOWN
O	_	TEE UP
]	_	PIPE CAP OR FLUSHING CONNECTION
A	_	GATE VALVE
Å	_	OS&Y GATE VALVE
ιģī	_	BUTTERFLY VALVE
₹	_	CHECK VALVE
ф		UNION
T	_	TEMPERATURE GAGE
80 H	_	PRESSURE GAGE
FS	—	WATER FLOW SWITCH
TS	_	TAMPER SWITCH

 $\bowtie \vdash$ INSPECTORS TEST CONNECTION \_\_\_\_ FLOW ARROW \_\_\_\_  $\times$  $\bigcirc$ 

\_\_\_\_

FDC

FP

AFF

AHC

АТС

BFP

DCDA

DCV

DN.

FCA

FD

FLFD

GPM

JP

NFPA

(NO)

(NC)

NTS

PRV

PSI

RPZ

SF

TS

TYP

U.O.N.

SPRINKLER GUARD NEW PENDENT SPRINKLER, CONCEALED OR EXPOSED AS NOTED. NEW UPRIGHT SPRINKLER SIDEWALL SPRINKLER POINT OF CONNECTION POINT OF DISCONNECTION HYDRAULIC REFERENCE NODE

ABOVE FINISHED FLOOR

ABOVE HUNG CEILING

BACKFLOW PREVENTOR

DOUBLE CHECK VALVE BFP

FLOOR CONTROL ASSEMBLY

FUNNEL FLOOR DRAIN

GALLONS PER MINUTE

DOUBLE CHECK DETECTOR ASSEMBLY

NATIONAL FIRE PROTECTION ASSOCIATION

FIRE PUMP

AT CEILING

DOWN

FLOOR DRAIN

JOCKEY PUMP

NORMALLY OPEN

NORMALLY CLOSED

PRESSURE REDUCING VALVE

POUNDS PER SQUARE INCH

UNLESS OTHERWISE NOTED

REDUCED PRESSURE ZONE BFP

NOT TO SCALE

SQUARE FOOT

TYPICAL

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

TAMPER SWITCH

HYDRAULIC REFERENCE SPRINKLER

FIRE DEPARTMENT CONNECTION

## GENERAL NOTES

1. THE REVISED SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED BY AN EXPERIENCED FIRE PROTECTION CONTRACTOR IN STRICT ACCORDANCE WITH NFPA-13, THE REQUIREMENTS OF THE LANDLORD, LANDLORD'S FIRE INSURANCE UNDERWRITER, AND ALL GOVERNMENTAL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PREMESIS.

2. COORDINATE ALL WORK WITH OTHER TRADES TO MINIMIZE INTERFERENCES WITH NEW AND EXISTING FACILITIES, TO FACILITATE TIMELY COMPLETION AND AVOID NECESSITY FOR CUTTING AND PATCHING. FURNISH TO OTHER AFFECTED TRADES ALL NECESSARY INFORMATION, WORKING DRAWINGS OR MATERIALS REQUIRED FOR INSTALLATION AND COMPLETION OF ALL WORK. ALL CONFLICTS, OBSTRUCTIONS AND/OR MODIFICATIONS TO THE SPRINKLER DESIGN LAYOUT DUE TO FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION.

. CONTRACTOR SHALL CONDUCT FLOW TEST TO ESTABLISH EXACT FLOW AND PRESSURE AVAILABLE ON THE SITE FOR PREPARATION OF HYDRAULIC CALCULATIONS.

4. ALTER PIPING AS REQUIRED TO SUIT CEILING HEIGHTS, DUCTWORK, AND LIGHTS. PROVIDE AT NO EXTRA COST ALL ADDITIONAL PIPING AND FITTINGS REQUIRED TO OFFSET SYSTEM TO AVOID STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND ELECTRICAL INTERFERENCES, WHETHER INDICATED OR NOT, BEFORE INSTALLING WORK.

5. WHEN INSTALLING SPRINKLER HEADS, THE CONTRACTOR SHALL PROVIDE THE SHORTEST HYDRAULIC PIPE LENGTH BETWEEN THE FINAL SPRINKLER HEAD LOCATION AND THE BRANCH LINE CONNECTION. MINIMUM 1" FOR TWO HEADS, 1-1/4" FOR THREE HEADS AND 1-1/2" FOR FIVE HEADS.

6. EXACT LOCATION OF SPRINKLER HEADS IN FINISHED AREAS SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLANS. SPRINKLER HEADS INSTALLED IN HUNG CEILING WILL BE POSITIONED AS FOLLOWS: LOCATED WITH TOLERANCE  $\pm 1/2$ " of the centerline of the tiles.

7. INSTALL SPRINKLER HEADS TIGHT TO BOTTOM OF HUNG CEILING WITH CARE THAT THE FINISH IS NOT DAMAGED.

8. WHEN CONCEALED TYPE SPRINKLER HEADS ARE USED, THE COVER PLATES WILL BE FLUSH WITH THE CEILING PLANE TO LIMIT SHADOW EFFECT. TOLERANCE GREATER THAN  $\pm$  1/8" IS UNACCEPTABLE.

9. PROVIDE TWO 2-1/2 GALLON PRESSURIZED WATER AND ONE 10 LB ABC DRY CHEMICAL EXTINGUISHERS FOR EMERGENCY USE DURING CONSTRUCTION.

10. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH A LISTED FIRE STOPPING ASSEMBLY or material.

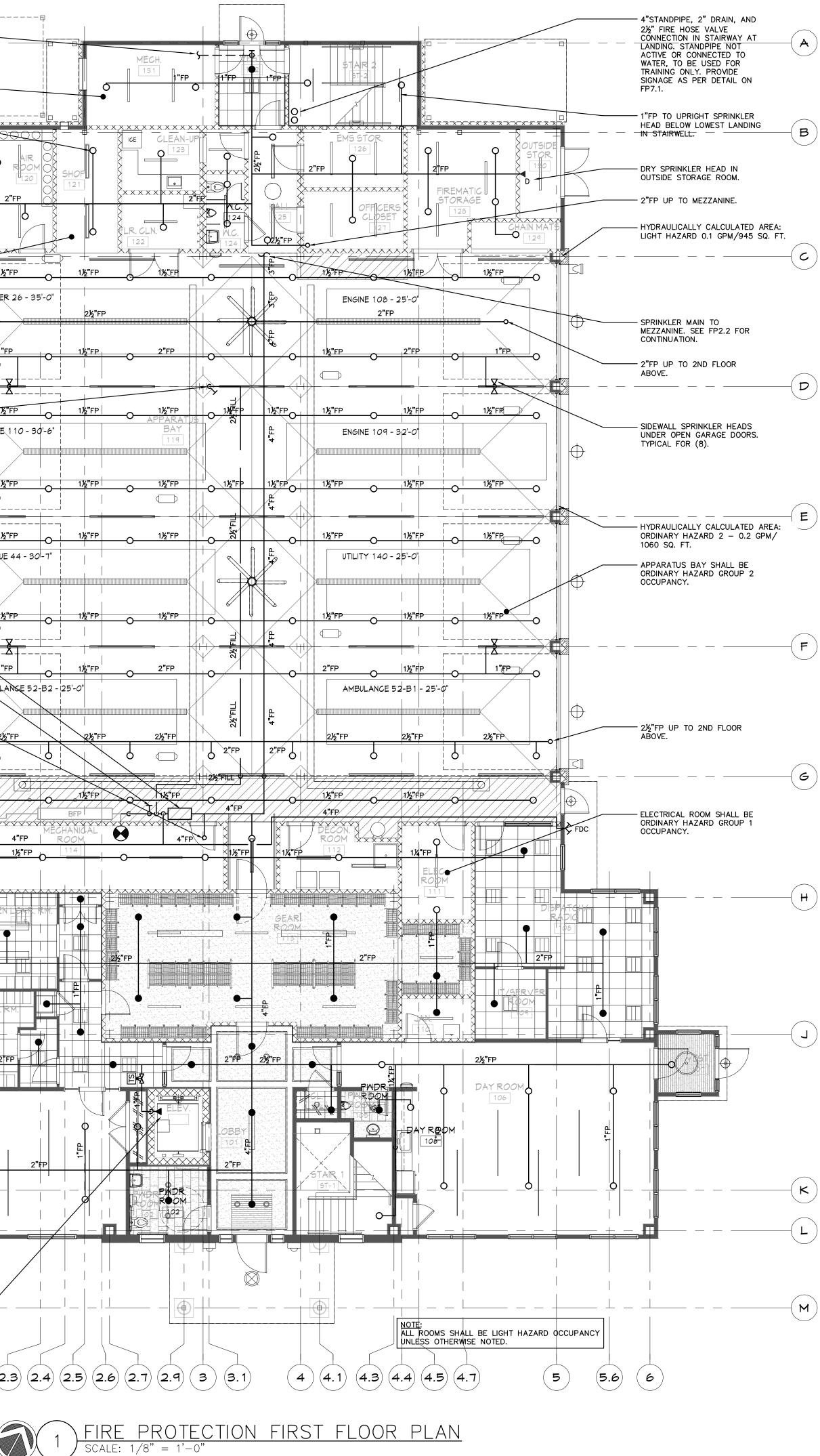
11. ALL HOSE CONNECTION AND FIRE DEPARTMENT CONNECTION THREADS SHALL BE TESTED TO VERIFY COMPATIBILITY WITH THREADS USED BY LOCAL FIRE DEPARTMENT, IN ACCORDANCE WITH NFPA-14 (2013) SECTION 11.3.

12. THE CONTRACTOR SHALL MAKE A PROVISION FOR (10) EXTRA SPRINKLERS INCLUDING IMMEDIATE BRANCH PIPING, FITTINGS AND ARM-OVERS. THE CONTRACTOR SHALL COORDINATE WITH FINAL CONFIGURATION OF OPEN AND HUNG CEILINGS, ALL HVAC DUCTWORK AND PIPING AND STRUCTURAL ELEMENTS THROUGHOUT THE AREA OF WORK.

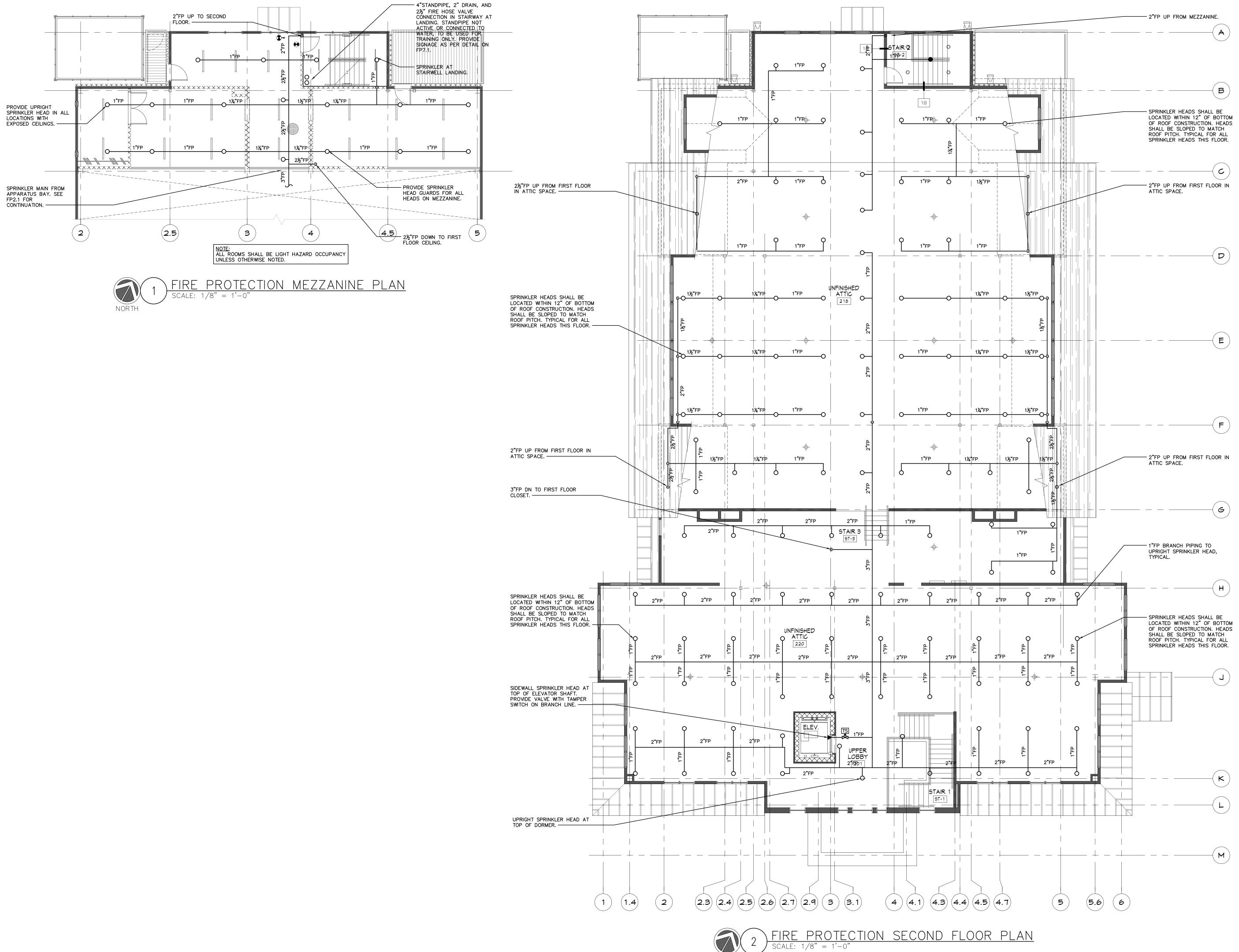
31 Mamaroneck White Plains, New M 914-761-6006 (F) 914 Owner: Bedford Vil Fire District 34 Village Green Bedford, NY 10500 MEP Engineer: OLA Consu 50 Broadway, Hav 8 West 38th St. Su Tel: 914-747-28	fork 10601 -761-4919 lage
Owner: Bedford Vil Fire District 34 Village Green Bedford, NY 10500 MEP Engineer: OLA Consu 50 Broadway, Hav 8 West 38th St. Su	lage
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Bedford, NY 10500 MEP Engineer: OLA Consu 50 Broadway, Hav 8 West 38th St. Su	6
50 Broadway, Hav 8 West 38th St. St	
8 West 38th St. Su	
	uite 501, New York, NY
Date locus	
Date Issue 03.10.20 MEETING	
03.10.20         MEETING           03.27.20         DESIGN DEVELOPMENT           05.07.20         PROGRESS	
05.07.20         PROGRESS           05.08.20         CD         PROGRESS         SET           05.28.20         CD         PROGRESS         SET	
06.30.20 CD REVIEW SET	<u> </u>
09.01.20 CONSTRUCTION PROGRE 09.15.20 ICC SUBMISSION	55
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Project Title	
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Fire Headquar 550 Old Post F	rters Road
Fire Headquar 550 Old Post F	rters Road 0506
Fire Headquar 550 Old Post H Bedford, NY 1	rters Road 0506 CTION S,
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Fire Headquar 550 Old Post H Bedford, NY 1	rters Road 0506 CTION S, , & NOTES
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Fire Headquan 550 Old Post H Bedford, NY 1	rters Road 0506 CTION S, , & NOTES

MECHANICAL ROOM SHALL BE ORDINARY HAZARD GROUP 1 OCCUPANCY.				
PROVIDE UPRIGHT SPRINKLER HEAD WITH GUARD IN SHOP.				
PROVIDE UPRIGHT SPRINKLER HEAD IN ALL LOCATIONS WITH EXPOSED CEILINGS.				
CASCADE SHALL BE EXTRA HAZARD GROUP 1 OCCUPANCY. —				
SHOP SHALL BE ORDINARY HAZARD GROUP 2 OCCUPANCY. —				O TA
2½"FP UP TO 2ND FLOOR ABOVE.			$\oplus$	
2½" HOSE CONNECTION FOR FILLING TRUCKS.			$\oplus$	O EN
SPRINKLER HEADS SHALL BE SPACED SUCH THAT HEADS ARE NOT LOCATED ABOVE			Ŷ	•
VEHICLES. TYPICAL.				
CONTROL VALVE ASSEMBLY.		_	$\ominus$	
2½" HOSE CONNECTION FOR FILLING TRUCKS.				
4"FP UP TO SECOND FLOOR. —— 2½"FP UP TO 2ND FLOOR ABOVE. ————————————————————————————————————				
			$\bigcirc$	
4" SPRINKLER SERVICE INTO BUILDING BY PLUMBING CONTRACTOR.				
MECHANICAL ROOM SHALL BE ORDINARY HAZARD GROUP 1				
OCCUPANCY.		F		
PROVIDE FULLY RECESSED CONCEALED PENDENT SPRINKLER		REST		
HEADS IN ALL LOCATIONS WITH FINISHED CEILINGS.				½"FP
			EXERCIS ROOM	
				· (
SPRINKLER HEAD AT BOTTOM OF ELEVATOR PIT. COORDINATE WITH ELEVATOR EQUIPMENT. ————————————————————————————————————	 	 		

NORTH

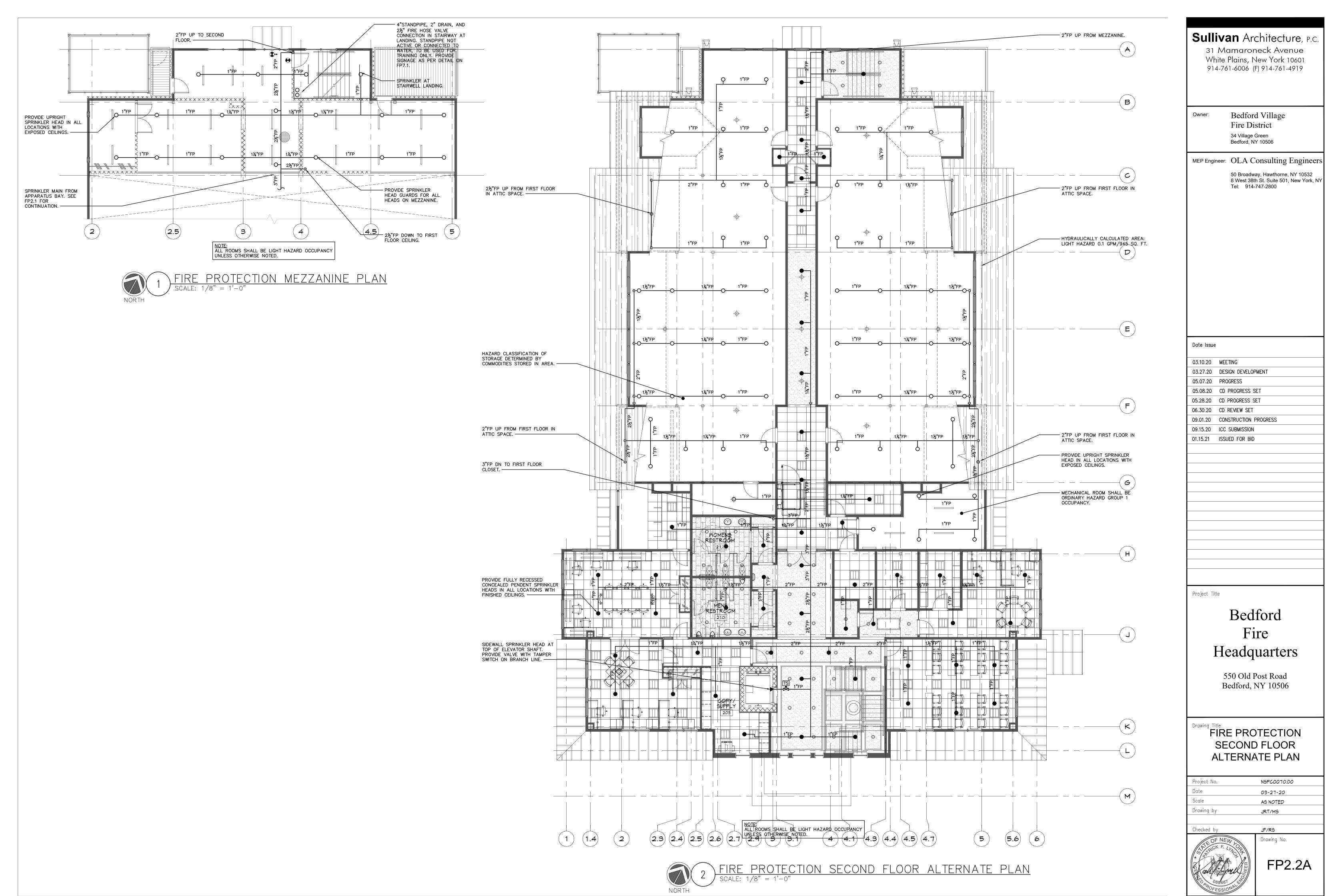


Sullivan Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
MEP Engineer: OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800
Date Issue
03.10.20 MEETING 03.27.20 DESIGN DEVELOPMENT
03.27.20 DESIGN DEVELOPMENT 05.07.20 PROGRESS 05.08.20 CD PROGRESS SET
05.28.20 CD PROGRESS SET 06.30.20 CD REVIEW SET
09.01.20 CONSTRUCTION PROGRESS 09.15.20 ICC SUBMISSION
01.15.21 ISSUED FOR BID
Project Title Bedford
Fire
Headquarters
550 Old Post Road Bedford, NY 10506
Drawing Title FIRE PROTECTION FIRST FLOOR PLAN
Project No. NSPC0070.00
Date     03-27-20       Scale     AS NOTED
Drawing by JRT/MS Checked by JF/RS
Drawing No.



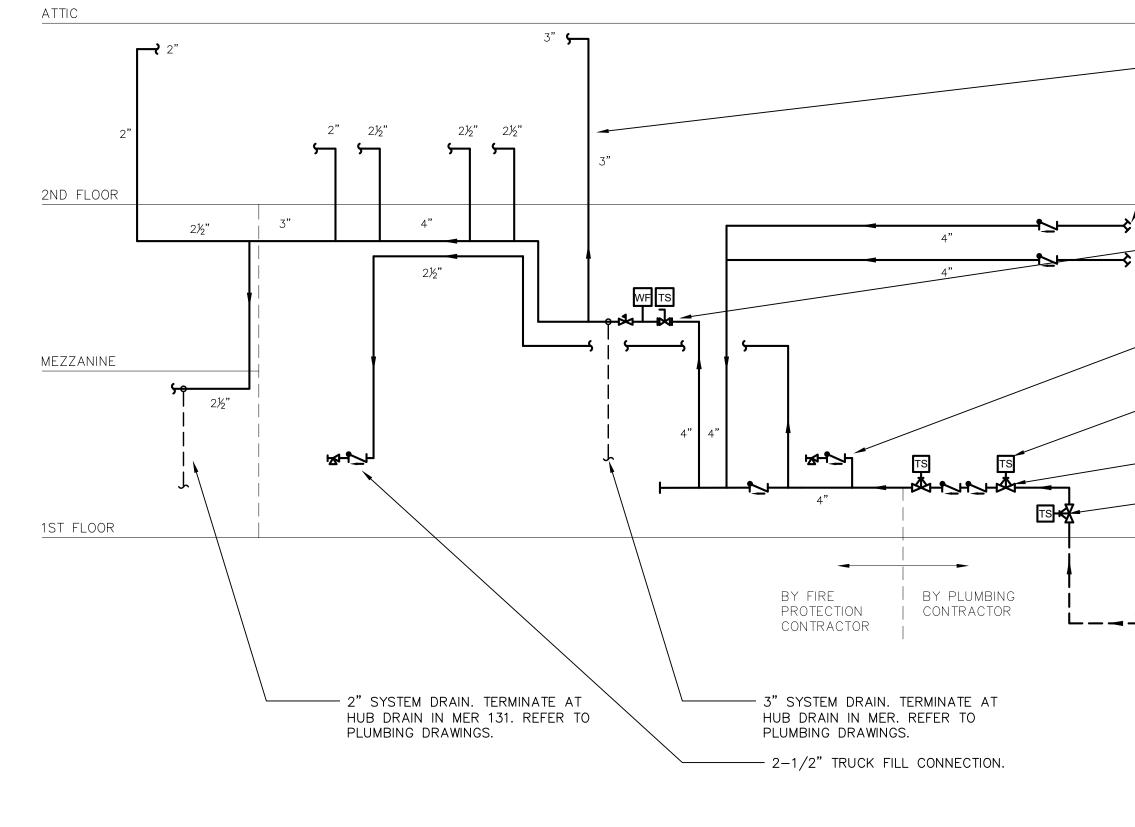
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Sullivan Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919				
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Project No. Date		NSPC0070.00 03-27-20		
Scale		AS NOTED		
Drawing by		JRT/MS		
Checked by		JF/RS		



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# 1) FIRE PROTECTION RISER DIAGRAM



ROOF

			31 Mama White Plair	Architecture, P.C. aroneck Avenue ns, New York 10601 06 (F) 914-761-4919
			Fir 34 v	dford Village e District illage Green ord, NY 10506
			MEP Engineer: OL 50 B 8 We	A Consulting Engineers roadway, Hawthorne, NY 10532 est 38th St. Suite 501, New York, NY 914-747-2800
			Date Issue	
			03.10.20         MEETING           03.27.20         DESIGN DI           05.07.20         PROGRESS           05.08.20         CD PROGR           05.28.20         CD PROGR           06.30.20         CD REVIEW	RESS SET RESS SET
		ROOF	09.01.20 CONSTRUC 09.15.20 ICC SUBM 01.15.21 ISSUED FC	
		ATTIC		
,— FIRE D	NKLER TO 2ND FLOOR. EPARTMENT CONNECTION WITH VALVE. TYPICAL FOR (2).			
/		2ND FLOOR		
WATEF	OW ASSEMBLY WITH TAMPER SWITCH, R FLOW SWITCH & DRAIN SERVING NG SPRINKLERS.		Project Title	
2-1/2	" TRUCK FILL CONNECTION.			edford Fire
PROVID OS&Y	ROTECTION CONTRACTOR SHALL DE TAMPER SWITCH ON ALL VALVES ON FIRE SERVICE. E SERVICE DCDA BY PLUMBING ACTOR.			dquarters
VALVE	E SERVICE HOUSE CONTROL WITH TAMPER SWITCH. E SERVICE FROM OLD POST RD	1ST FLOOR		Old Post Road ord, NY 10506
<u>4"</u>	PARATUS BAY.			TECTION RISER AGRAMS
			Project No. Date Scale Drawing by	NSPC0070.00 03-27-20 AS NOTED JRT/MS
			Checked by	JF/RS Drawing No.
			STATE OF STATE	FP5.1

	SPRINKLER HEAD SCHEDULE									
SYM.	ТҮРЕ	LOCATION	FINISH	MANUF.	MODEL	HEAD TEMP.	MAX CLG. TEMP	ORIFICE	K-FACTOR	MEA#
8	CONCEALED	FINISHED AREAS PER PLANS	COVER PLATE COLOR PER ARCHITECT	RELIABLE	G5-56	165°F	100 <b>°</b> F	1/2"	5.6	258-93-E
0	UPRIGHT	EXPOSED AREAS PER PLANS	CHROME PLATED	RELIABLE	F1FR	165 <b>°</b> F	100 <b>°</b> F	1/2"	5.6	258-93-E
0	UPRIGHT	MECHANICAL ROOMS	NATURAL BRONZE	RELIABLE	GFR	212°F	150 <b>°</b> F	1/2"	5.6	258-93-E
	DRY HORIZONTAL SIDEWALL	OUTSIDE STORAGE 130	CHROME PLATED	RELIABLE	F3QR	200 <b>°</b> F	150 <b>°</b> F	1/2"	5.6	258-93-E
⊲	SIDEWALL	FINISHED AREAS PER PLANS	NATURAL BRONZE	RELIABLE	G6-56	165°F	100 <b>°</b> F	1/2"	5.6	258-93-E

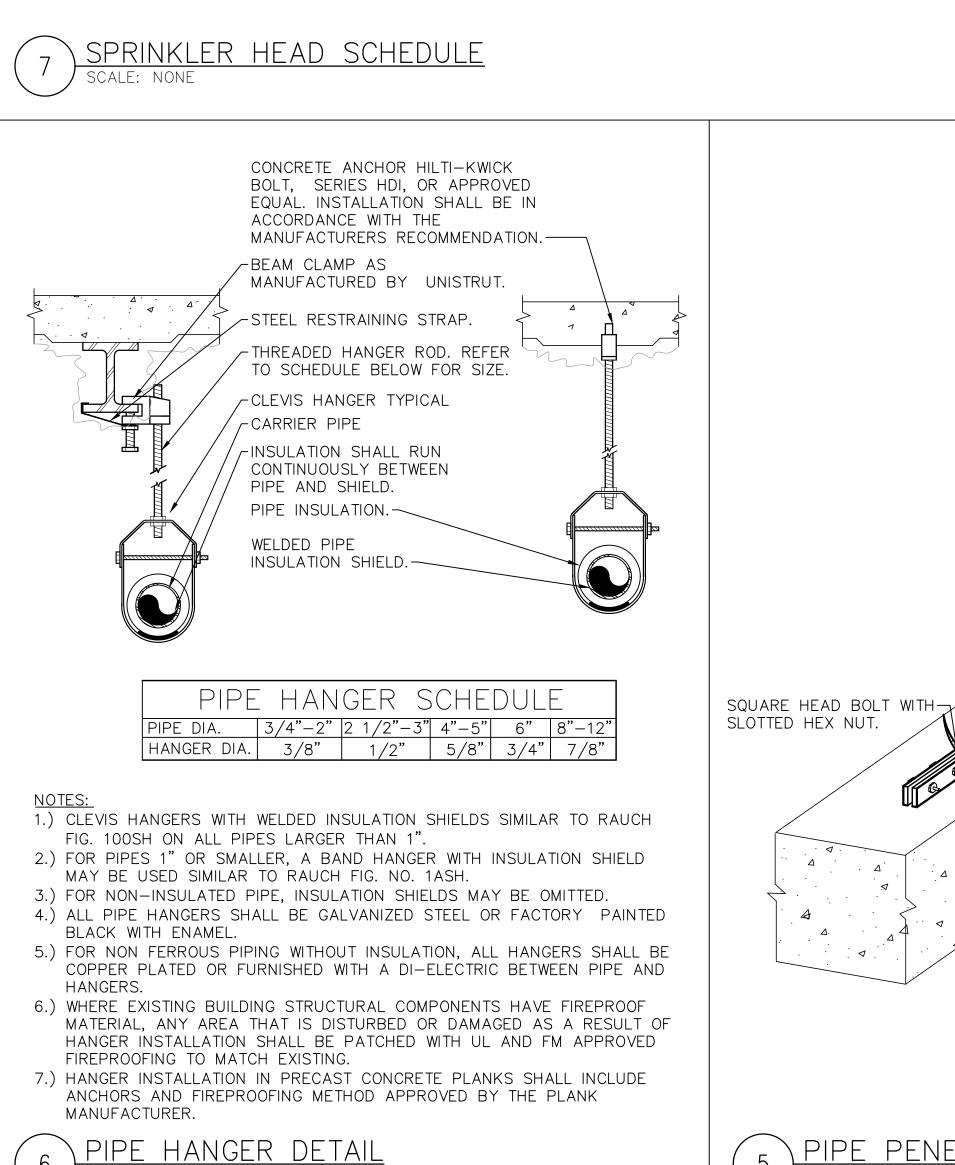
<u>NOTES:</u>

6

SCALE: NONE

1. SPRINKLER HEADS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS

- 2. PROVIDE METAL WIRE GUARDS WHERE SPRINKLERS ARE SUBJECT TO DAMAGE, SUCH AS SPRINKLER HEADS LOCATED UNDER MECHANICAL DUCTS IN MECHANICAL EQUIPMENT ROOMS WHEN LOCATED LOWER THAN 7'-0" AFF AND HEADS IN TRASH CHUTE. 3. ALL SPRINKLER HEADS THROUGHOUT THE PROJECT AREA SHALL BE OF THE ORDINARY TEMPERATURE RATING EXCEPT AS FOLLOWS: A. SPRINKLER HEADS LOCATED CLOSE TO HEATERS, HOT WATER PIPING OR LOW-PRESSURE BLOW-OFF VALVE SHALL BE OF THE
  - TEMPERATURE RATING AS REQUIRED BY NFPA-13. B. ALL HEAT GENERATING EQUIPMENT WHICH CAN AFFECT THE TEMPERATURE RATING OF THE SPRINKLER HEADS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS PRIOR TO SUBMISSION FOR APPROVAL.





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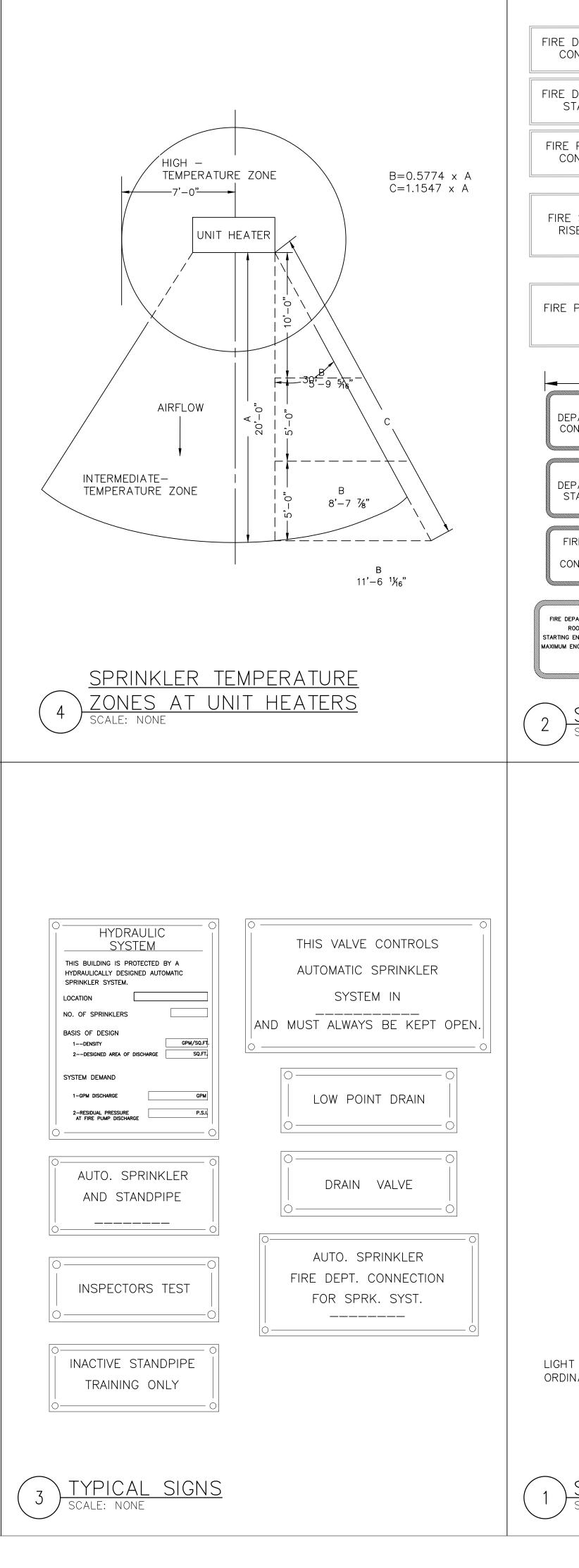
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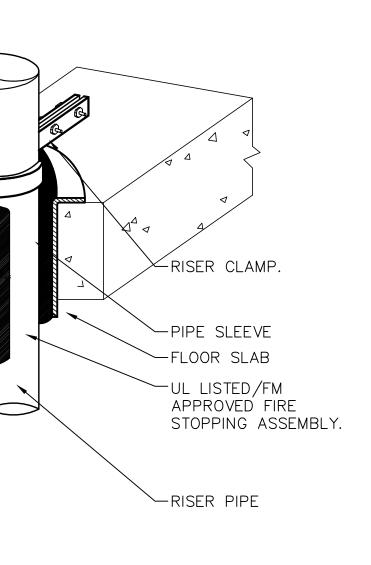
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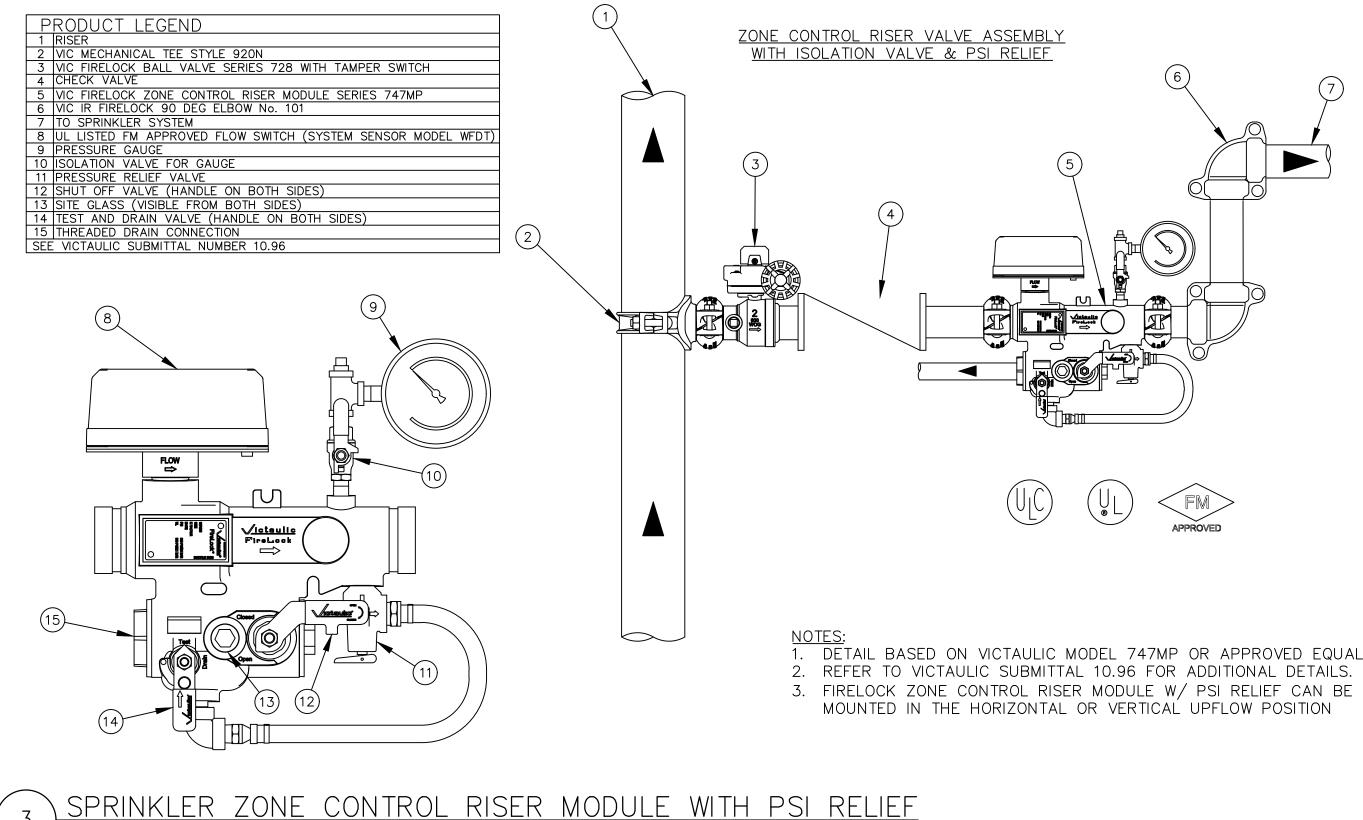
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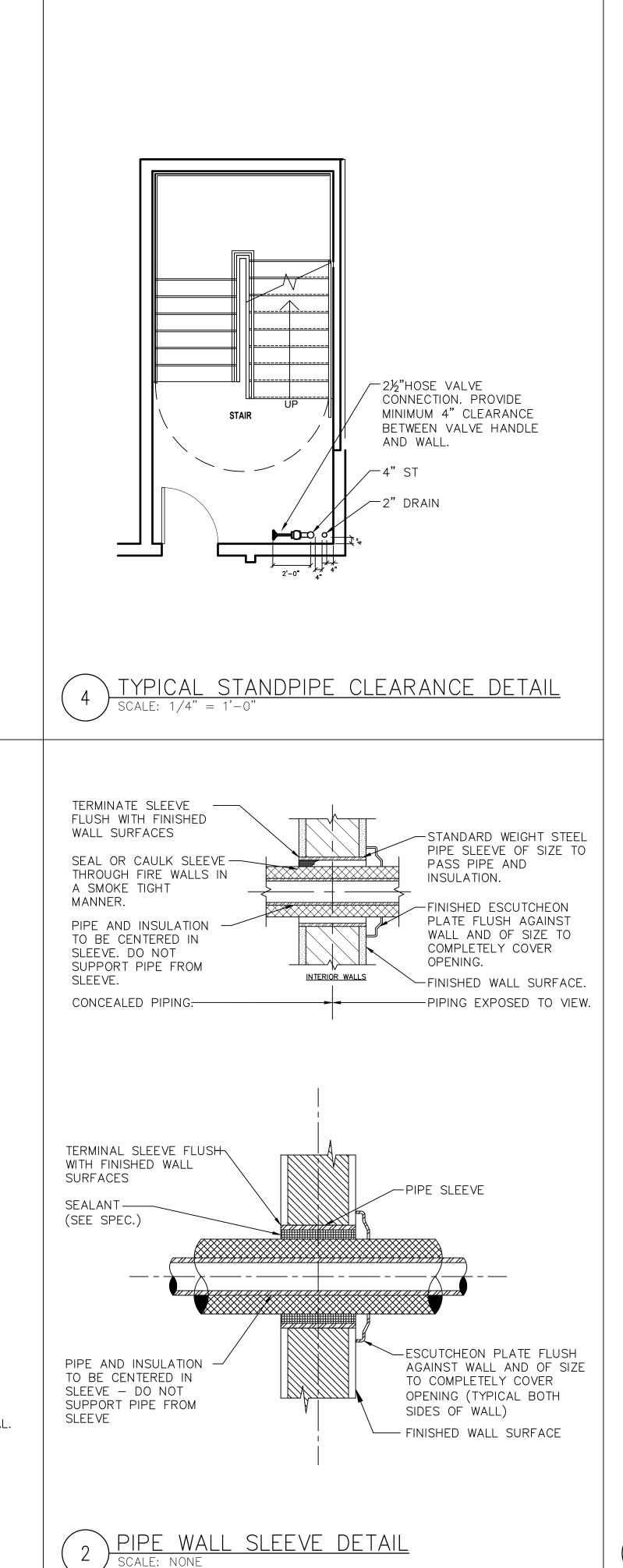


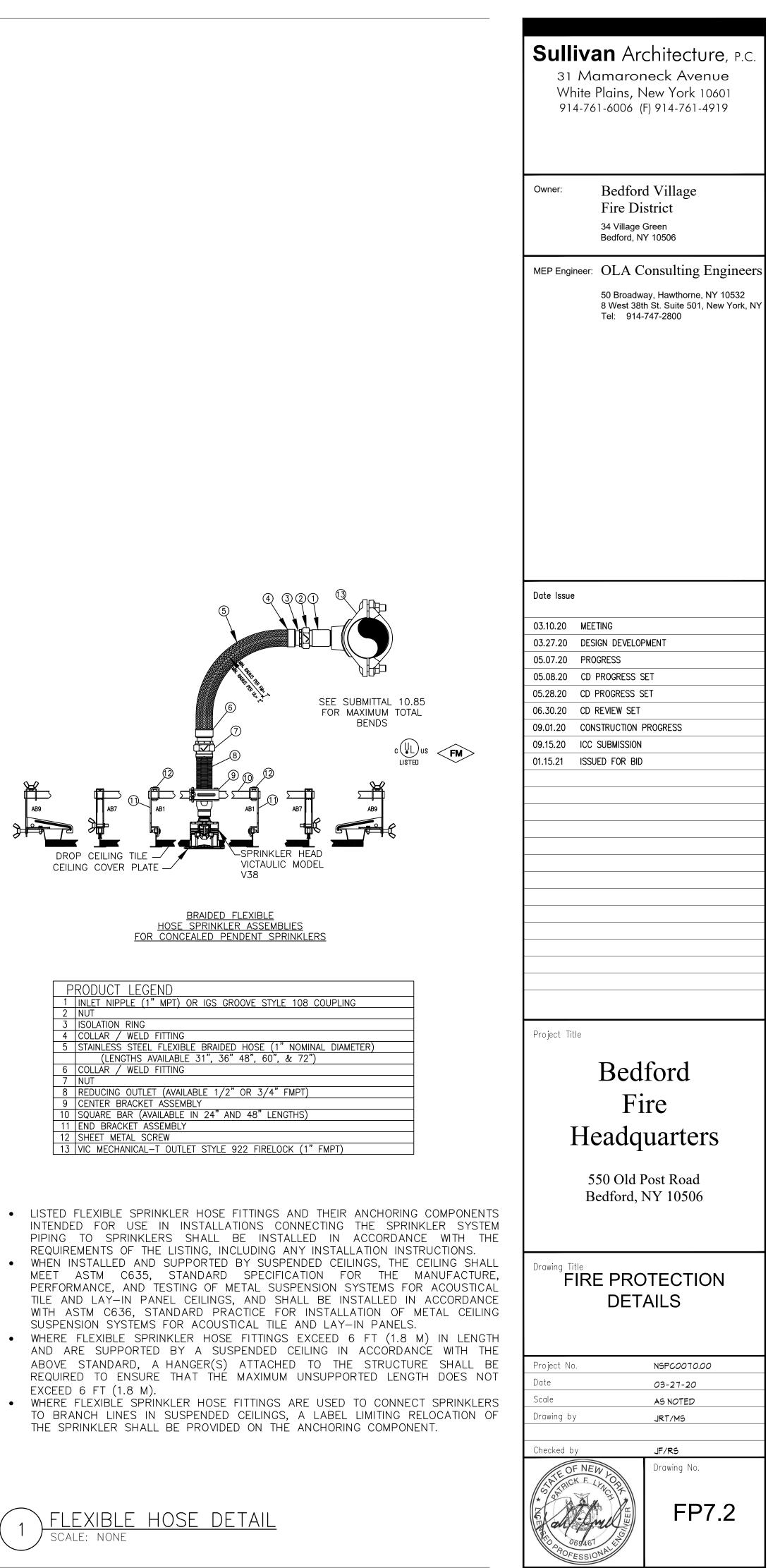


]	FIRE ALARM	Sullivan Architecture, p.c.
FIRE DEPARTMENT CONNECTION	CONTROL PANEL	31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
FIRE DEPARTMENT STANDPIPE	A "FIRE ALARM CONTROL PANEL" SIGN SHALL BE PROVIDED IN MINIMUM 2" (INCH) LETTER WITH A MINIMUM $\frac{1}{2}$ " STROKE. THE COLOR OF THE LETTERS SHALL BE CONTRASTING WITH	/14-/01-0000 (I) /14-/01-4/1/
FIRE PUMP TEST CONNECTION	RESPECT TO THE BACKGROUND. THE SIGN SHALL BE PROVIDED ON THE DOOR LEADING TO THE FIRE ALARM CONTROL PANEL(S) UNLESS OTHERWISE APPROVED BY THE FIRE CODE OFFICIAL. (IFC 509)	Owner: Bedford Village Fire District
FIRE SPRINKLER RISER ROOM	A WEATHERPROOF "FIRE SPRINKLER RISER ROOM" SIGN SHALL BE PROVIDED ON THE EXTERIOR ACCESS DOOR FOR ALL SPRINKLER RISER ROOMS. LETTERING SHALL BE PROVIDED IN MINIMUM 2" (INCH) LETTER HEIGHT WITH A MINIMUM $\frac{3}{8}$ " STROKE. THE COLOR OF THE LETTERS SHALL BE CONTRASTING WITH RESPECT TO THE BACKGROUND. (IFC 509–2015)	34 Village Green Bedford, NY 10506 MEP Engineer: OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532
FIRE PUMP ROOM	A WEATHERPROOF "FIRE PUMP ROOM" SIGN SHALL BE PROVIDED ON THE EXTERIOR ACCESS DOOR FOR ALL SPRINKLER RISER ROOMS. LETTERING SHALL BE PROVIDED IN MINIMUM 2" (INCH) LETTER HEIGHT WITH A MINIMUM 3" STROKE. THE COLOR OF THE LETTERS SHALL BE CONTRASTING WITH RESPECT TO THE BACKGROUND. (IFC 5009-2015)	8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800
18" FIRE DEPARTMENT CONNECTION FIRE DEPARTMENT STANDPIPE FIRE PUMP TEST	A WEATHERPROOF REFLECTIVE ALUMINUM "FIRE DEPARTMENT CONNECTION", "FIRE DEPARTMENT STANDPIPE", "FIRE PUMP TEST CONNECTION" SIGN(S) OF A MINIMUM DIMENSION OF 18" WIDE BY 12" HIGH SHALL BE PROVIDED ABOVE THE EACH ACCESSORY. 6" RED LETTERING SHALL BE PROVIDED ON A REFLECTIVE WHITE BACKGROUND WITH &" RED TRIM STRIP AROUND THE ENTIRE OUTER EDGE OF THE SIGN. WHERE THE FDC DOES NOT SERVE THE ENTIRE BUILDING A SIGN SHALL BE PROVIDED INDICATING THE PORTION OF THE BUILDING SERVED. (IFC 509–2015)	
CONNECTION		Date Issue 03.10.20 MEETING
FIRE DEPARTMENT CONNECTION ROOF STANDPIPES STARTING ENGINE PRESSURE 165PSI MAXIMUM ENGINE PRESSURE 265 PSI	SIGNS SHALL BE PROVIDED AT FIRE DEPARTMENT OCNNECTIONS INDICATING THE AREAS OF THE BUILDING SERVED AND THE MINIMUM REQUIRED PRESSURE AND FLOW TO BE DELIVERED THROUGH THE INLETS. WHERE A FIRE DEPARTMENT CONNECTION SERVICES MULTIPLE BUILDINGS, STRUCTURES, OR	03.27.20 DESIGN DEVELOPMENT 05.07.20 PROGRESS 05.08.20 CD PROGRESS SET
	LOCATIONS, THE SIGN SHALL INDICATE THE BUILDINGS STRUCTURES, OR LOCATIONS SERVED. (NFPA-14 2007/2013ED 6.4.5)	05.28.20 CD PROGRESS SET 06.30.20 CD REVIEW SET
2 SIGNAGE	MOUNTING HEIGHT DETAILS	09.01.20 CONSTRUCTION PROGRESS 09.15.20 ICC SUBMISSION
Z SCALE: NONE		01.15.21 ISSUED FOR BID
		Project Title
		Bedford
		Fire
	WALL	Headquarters
	6'-0" MIN 15'-0" MAX 7'-6" MAX MAX MAX	550 Old Post Road Bedford, NY 10506
یَّ سُ		Drawing Title FIRE PROTECTION DETAILS
	MAX AREA PER HEAD <u>DENSITY PER 1500 SQ. FT</u>	Project No. NSPC0070.00
LIGHT HAZARD ORDINARY HAZARD	MAX AREA PER HEADDENSITY PER 1500 SQ. FT225 SQ. FT.0.10 GPM/SQ. FT.130 SQ. FT.0.16 GPM/SQ. FT.	Date03-27-20ScaleAS NOTEDDrawing byJRT/MS
		Checked by JF/RS
		Drawing No.
1) SPRINKLE	<u>er head spacing criteria</u>	FP7.1



SCALE: NONE





## PLUMBING CALCULATIONS

TAG		DRAINAGE		CHDUL		
	FIXTURE	FIXTURE UNITS		IXTURE UN		-
P-1	WATER CLOSET – PRIVATE	3	6	_	6	-
P-2	LAVATORY – PRIVATE	1	0.5	0.5	0.7	-
P-3	lavatory – private	1	0.5	0.5	0.7	
P-4	urinal – ¾" inlet	1	5	_	5	
P-5	KITCHEN SINK	2	1.0	1.0	1.4	
P-6	SHOWER	2	1.0	1.0	1.4	
P-7	UTILITY SINK	2	2.25	2.25	3.0	
P-8	BOTTLE FILL	0.5	0.25	_	0.25	
P-9	MOP SINK	2	2.25	2.25	3.0	
P-11	SERVICE SINK	2	2.25	2.25	3.0	
WM	LAUNDRY WASHER	2	1.0	1.0	1.4	
FD	FLOOR DRAIN	2			_	
HB	HOSE BIB	_	20	_	20	
NFHB	NON-FREEZE HOSE BIB	_	20	_	20	
IS EQUATE PE SIZING ER PUBLISH	COUNT AT SOURCE: AP TEM PREDOMINATELY FOR S TO APPROXIMATELY 10 AT SOURCE = 3"DIA. ED HYDRAULIC DATA, 3"I EAD LOSS.	FLUSH TAI 94 GPM.	NK TOILET	S AND 8	HYDRANTS.	
HIS EQUATE PE SIZING ER PUBLISH 61'/100' HE L PIPE SIZ DNSERVATIV ATER PRESS EAD LOSS ( ALVES & FI • 3" WATE	TEM PREDOMINATELY FOR S TO APPROXIMATELY 10 AT SOURCE = 3"DIA. ED HYDRAULIC DATA, 3"I EAD LOSS. ING ON THIS SYSTEM HA TE 4'/100' HEAD LOSS ES SURE AT SOURCE: ASSU SURE AT SOURCE: ASSU CALCULATIONS TTINGS: ER METER WITH STRAINER	FLUSH TAI 94 GPM. DIA TYPE L S BEEN BA STIMATE. JMING 60 P	NK TOILET COPPER SED ON A SSI STATIC	S AND 8 AT 104 G A MORE	HYDRANTS. PM =	
HIS EQUATE PE SIZING ER PUBLISH 61'/100' HE L PIPE SIZ ONSERVATIV ATER PRESS EAD LOSS ( ALVES & FI • 3" WATE • 3" RPZ • (6) ISOL • (14) ELE • (8) BRA OTAL PRESS ACTOR OF S	TEM PREDOMINATELY FOR S TO APPROXIMATELY 10 AT SOURCE = 3"DIA. ED HYDRAULIC DATA, 3"I EAD LOSS. ING ON THIS SYSTEM HA 2' 4'/100' HEAD LOSS ES SURE AT SOURCE: ASSU SURE AT SOURCE: ASSU CALCULATIONS TTINGS: ER METER WITH STRAINER = 7.0 PSI LATION VALVES = ~ 7' E BOWS = ~ 90' EQUIVALE NCH TEE = ~ 6.3' EQUI SURE LOSS = 10.84 PSI SAFETY (+ 5%) = 11.38	FLUSH TAN P4 GPM. DIA TYPE L S BEEN BA STIMATE. JMING 60 P R = 2.0 PS EQUIVALENT NT X 4'/10 VALENT X 4	NK TOILET COPPER SED ON A SI STATIC I X 4'/100 00' = 3.6'	AT 104 G AT 104 G A MORE PRESSUR 0 = 0.3' = 1.6 PS	HYDRANTS. PM = E. E. = 0.13 PSI	
HIS EQUATE PE SIZING ER PUBLISH 61'/100' HE L PIPE SIZ ONSERVATIV ATER PRESS EAD LOSS ( ALVES & FI • 3" WATE • 3" RPZ • (6) ISOL • (14) ELE • (8) BRA OTAL PRESS ACTOR OF S <u>PE LOSS C</u> • PIPE RU • ELEVATI	TEM PREDOMINATELY FOR S TO APPROXIMATELY 10 AT SOURCE = 3"DIA. ED HYDRAULIC DATA, 3"I EAD LOSS. ING ON THIS SYSTEM HA ZE 4'/100' HEAD LOSS ES SURE AT SOURCE: ASSU SURE AT SOURCE: ASSU CALCULATIONS TTINGS: ER METER WITH STRAINER = 7.0 PSI LATION VALVES = ~ 7' E BOWS = ~ 90' EQUIVALE NCH TEE = ~ 6.3' EQUI SURE LOSS = 10.84 PSI	FLUSH TAI P4 GPM. DIA TYPE L S BEEN BA STIMATE. JMING 60 P R = 2.0 PS QUIVALENT X 4'/10 VALENT X 4 PSI : ~ 180' X	NK TOILET COPPER SED ON A SI STATIC X 4'/100 0' = 3.6' 4'/100' =	TS AND 8         AT 104 G         A MORE         PRESSUR $0 = 0.3' =$ $= 1.6 PS$ $0.24' =$	HYDRANTS. PM = E. E. 0.13 PSI 0.11 PSI	
HIS EQUATE PE SIZING ER PUBLISH 61'/100' HE L PIPE SIZ ONSERVATIV ATER PRESS EAD LOSS ( ALVES & FI • 3" WATE • 3" RPZ • (6) ISOL • (14) ELE • (8) BRA OTAL PRESS ACTOR OF S PE LOSS C • PIPE RU • ELEVATE OTAL LOSS	TEM PREDOMINATELY FOR S TO APPROXIMATELY 10 AT SOURCE = 3"DIA. ED HYDRAULIC DATA, 3"I EAD LOSS. ING ON THIS SYSTEM HA 2'E 4'/100' HEAD LOSS ES SURE AT SOURCE: ASSU CALCULATIONS TTINGS: ER METER WITH STRAINER = 7.0 PSI LATION VALVES = ~ 7' E BOWS = ~ 90' EQUIVALE NCH TEE = ~ 6.3' EQUI SURE LOSS = 10.84 PSI SAFETY (+ 5%) = 11.38 ALCULATIONS IN TO FARTHEST FIXTURE ON CHANGE TO FARTHES LOSS = 10.93 PSI ESTIMATES = 22.31 PSI	FLUSH TAI P4 GPM. DIA TYPE L S BEEN BA STIMATE. JMING 60 P R = 2.0 PS QUIVALENT X 4'/10 VALENT X 4 PSI : ~ 180' X	NK TOILET COPPER SED ON A SI STATIC X 4'/100 0' = 3.6' 4'/100' =	TS AND 8         AT 104 G         A MORE         PRESSUR $0 = 0.3' =$ $= 1.6 PS$ $0.24' =$	HYDRANTS. PM = E. E. 0.13 PSI 0.11 PSI	
HIS EQUATE PE SIZING ER PUBLISH 61'/100' HE LL PIPE SIZ ONSERVATIV ATER PRESS EAD LOSS ( ALVES & FI • 3" WATE • 3" WATE • 3" RPZ • (6) ISOL • (14) ELE • (8) BRA OTAL PRESS ACTOR OF S <u>PE LOSS C</u> • PIPE RU • ELEVATI OTAL PIPE I OTAL LOSS RESSURE A	TEM PREDOMINATELY FOR S TO APPROXIMATELY 10 AT SOURCE = 3"DIA. ED HYDRAULIC DATA, 3"I EAD LOSS. ING ON THIS SYSTEM HA $\frac{7}{2}$ 4'/100' HEAD LOSS ES SURE AT SOURCE: ASSU CALCULATIONS TTINGS: ER METER WITH STRAINER = 7.0 PSI LATION VALVES = ~ 7' E BOWS = ~ 90' EQUIVALE NCH TEE = ~ 6.3' EQUI SURE LOSS = 10.84 PSI SAFETY (+ 5%) = 11.38 ALCULATIONS IN TO FARTHEST FIXTURE ON CHANGE TO FARTHES LOSS = 10.93 PSI	FLUSH TAI P4 GPM. DIA TYPE L S BEEN BA STIMATE. JMING 60 P R = 2.0 PS EQUIVALENT NT X 4'/10 VALENT X 4 PSI : ~ 180' X T FIXTURE:	NK TOILET COPPER SED ON $A^{1}$ SSI STATIC $X 4'/100^{1} = 3.6^{1}$ $4'/100' = 3.6^{1}$ $4'/100' = 7.0^{1}$	TS AND 8 AT 104 G A MORE C PRESSUR 0 = 0.3' = 1.6 PS 0.24' = 1.6 PS 0.24' = 1.6 PS	HYDRANTS. PM = E. E. 0.13 PSI 0.11 PSI	
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SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESC
	NEW	NEW
	NEW	NEW
	CW	COLD
	HW	нот
	HWC	НОТ
V	V	VENT
	W	WAST
S	S	SOIL
G	G	GAS
L	LDR	LEAD
SS	SS	SANI
SD	SD	STOR
PD	PD	PUMF
× ·	_	3-WA
	_	BUTT
R	_	2-WA
$\overline{\nabla}$	_	PLUG
S N	_	SOLE
Ā	_	GATE
	_	GLOB
		CHEC
		0S&`
		BALL
		CIRCL
		MANU
		T&P
K K		
	_	PRES TEE [
	_	
C	_	ELBO
O	_	TEE
0	_	ELBO
E	_	PIPE
0	CODP	CLEA
1	WCO	WALL
Ţ	FCO	FLOC
$\bigcirc$	FLFD	FUNN
$\geq$	_	CON
	_	ECCE
⊢ <b>∠</b> I	_	STRA
	_	FLEX
	_	FLOW
	_	PRES
$\frac{1}{1}$	_	PUMF
	_	THER
<u> </u>	_	BASK
	ЦП	
· ·	HB	HOSE
+	NFHB	NON-
	RD	ROOF
	FD	FLOO
	_	UNION
	_	RISER
	_	EYE \
1+1	_	WALL
_	AFF	ABOV
_	АНС	ABOV
_	BFP	BACK

0113	1			GENERA
SCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION	1. THE CONTR
W WORK ABOVE SLAB	_	VTR	VENT THROUGH ROOF	OF THE P DEEMED N
W WORK BELOW SLAB	-	FS	FLOOR SINK	DEPARTURI OWNER AN
DLD WATER	_	FAI	FRESH AIR INTAKE	WITHOUT P AND PIPIN
)T WATER	-	RPZ	REDUCED PRESSURE ZONE – BFP	CLEARANCE PIPING AN
T WATER RECIRCULATION	_	BP	BOOSTER PUMP	OTHER TRA
NT	_	RP	RECIRCULATION PUMP	2. THE PLUMI LATEST ED
ASTE LINE	_	DCV	DOUBLE CHECK VALVE – BFP	CODES. IN GOVERNING
DIL LINE	_	TYP	TYPICAL	APPLY.
S LINES	_	H.W. HTR	HOT WATER HEATER	3. THE PLUM NECESSAR
ADER				4. CONNECTIO
NITARY SEWER (SITE WORK ONLY)	-			THE BEST EXACT LC
ORM DRAINAGE	-			SERVICES INDICATED
IMP DISCHARGE	-			5. PRIOR TO
WAY VALVE	-			AND COND All other
ITTERFLY VALVE	-			6. ALL ACCE
WAY VALVE	-			CONTRACT 7. PROVIDE A
UG VALVE	-			SPECIFIED DIMENSION
LENOID VALVE	_			CONTRACT
TE VALVE	_			8. PITCH ALL
OBE VALVE	-			POSSIBLE, FOOT FOR
ECK VALVE	-			9. NO PIPING
S&Y GATE VALVE	-			10.PROVIDE D
LL VALVE	_			JOINED.
RCUIT SETTER	_			11. PROVIDE S AND HOT
NUAL AIR VENT	_			12. ALL WORK
P RELIEF VALVE	_			DISINFECTE
ESSURE REDUCING VALVE	_			13.PROVIDE A PIPES PEN
E DOWN	_			AND THE PENETRATI
BOW DOWN	_			POSSIBLE.
E UP	_			14.PROVIDE T PRIMER VA
BOW UP	_			TO THE FL
PE CAP	_			15. THE PLUM DRILLING,
EAN OUT DECK PLATE	_			FACILITATE AND IN SE
ALL CLEAN OUT	_			SCOPE OF REPLACE
OOR CLEAN OUT	_			TO EXECU
INNEL FLOOR DRAIN	-			16.SEE THE FOR CONS
DNCENTRIC REDUCER	-			17.ALL MOTO
CENTRIC REDUCER	-			SHALL BE ELECTRICA
RAINER	-			FURNISHED BE HEAVY
EXIBLE CONNECTION	-			18. THE CON
OW ARROW	-			VENTILATIC PERFORME
ESSURE GAGE	-			19.INDIVIDUAL
IMP	_			STACK VEN A HORIZO
ERMOMETER	-			HORIZONTA Point not
ASKET STRAINER	-			TRAP OR PIPE AND
	_			6 INCHES THE VENT.
DSE BIB	-			LOOPS SH. RIM OF TH
DN-FREEZE HOSE BIB	-			20. IN CONC
OF DRAIN	-			GALVANIZE JOISTS, R
OOR DRAIN	-			NEAREST PLATES.
	-			INCH (NO. WHERE TH
SER TAG	-			THAN 2 IN
EWASH	-			
ll hydrant	-			
OVE FINISHED FLOOR	-			
OVE HUNG CEILING				
CK FLOW PREVENTOR				
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## GENERAL NOTES

ITRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH JRES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE AND ENGINEER FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER. EQUIPMENT PING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE ICES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO ND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH RADES SHALL BE MADE AT NO EXTRA COST.

IMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A NG CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL

UMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL ARY PERMITS AND FOR PAYING RELATED FEES.

TIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO ST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS ED ON DRAWINGS.

TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS IDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ER TRADES.

CESS PANELS SHALL BE BY GENERAL CONTRACTOR. THE PLUMBING CTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION.

ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS ED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING ONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CTOR.

ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE .E, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING ≥3" AND 1/4" PER OR PIPING  $\leq 2\frac{1}{2}$ ".

NG SHALL RUN EXPOSED IN FINISHED AREAS.

DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE

SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, WATER PIPES.

DRK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND TED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL ION ON ALL PARTS AND LABOR.

ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR ENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE IE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. TIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER

TRAP SEAL PRIMERS FOR FLOOR DRAINS AS REQUIRED. INSTALL THE VALVE IN THE COLD WATER SERVICE, WITH THE TRAP CONNECTION PIPED FLOOR DRAIN TRAP. LOCATE THE VALVE IN AN ACCESSIBLE LOCATION.

IMBING CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE PAINTING, ACCESS PANELS, AND FINAL RESTORATION REQUIRED TO TE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED UTE THE PLUMBING WORK.

ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE ISTRUCTION.

TOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT E FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE CAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES ED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL VY DUTY TYPE.

ONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY FION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE MED, AS REQUIRED BY OSHA.

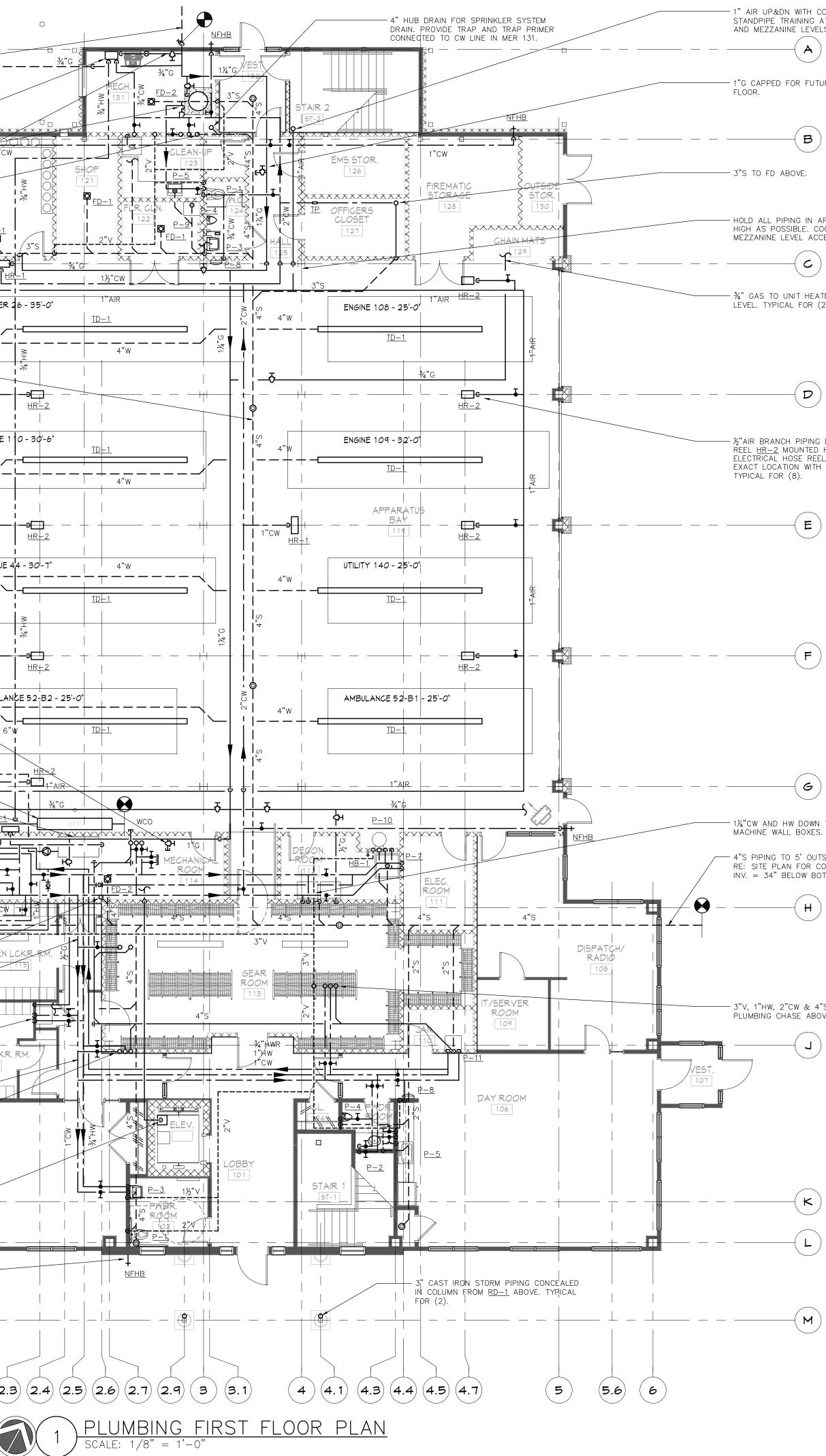
AL, BRANCH AND CIRCUIT VENTS SHALL CONNECT TO A VENT STACK, ENT, OR EXTEND TO THE OPEN AIR. EVERY DRY VENT CONNECTING TO ZONTAL DRAIN SHALL CONNECT ABOVE THE CENTERLINE OF THE TAL DRAIN PIPE. EVERY DRY VENT SHALL RISE VERTICALLY TO A OT LESS THAN 6 INCHES ABOVE THE FLOOD LEVEL RIM OF THE HIGHEST TRAPPED FIXTURE BEING VENTED. A CONNECTION BETWEEN A VENT ND A VENT STACK OR STACK VENT SHALL BE MADE AT NOT LESS THAN S ABOVE THE FLOOD LEVEL RIM OF THE HIGHEST FIXTURE SERVED BY IT. HORIZONTAL VENT PIPES FORMING BRANCH VENTS, RELIEF VENTS OR SHALL BE LOCATED NOT LESS THAN 6 INCHES ABOVE THE FLOOD LEVEL THE HIGHEST FIXTURE SERVED.

NCEALED LOCATIONS WHERE PIPING, OTHER THAN CAST-IRON OR ZED STEEL, IS INSTALLED THROUGH HOLES OR NOTCHES IN STUDS, RAFTERS OR SIMILAR MEMBERS LESS THAN 1¼ INCHES FROM THE EDGE OF THE MEMBER, THE PIPE SHALL BE PROTECTED BY STEEL SUCH SHIELDS SHALL HAVE A THICKNESS OF NOT LESS THAN 0.0575 NO. 16 GAUGE). SUCH PLATES SHALL COVER THE AREA OF THE PIPE THE MEMBER IS NOTCHED OR BORED AND SHALL EXTEND NOT LESS INCHES ABOVE THE SOLE PLATES AND BELOW THE TOP PLATES.

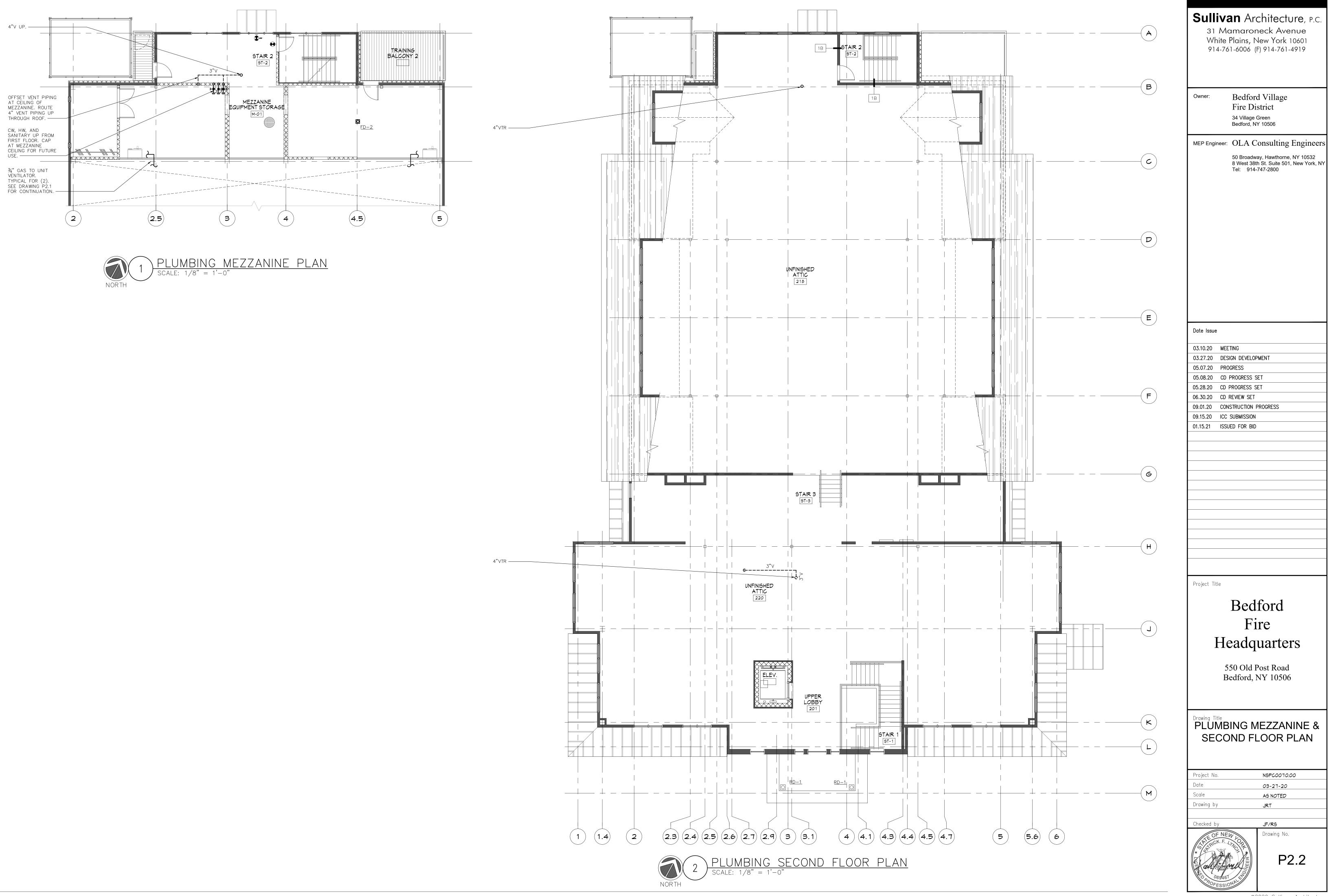
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Owner:	Bedfore Fire Di 34 Village Bedford, N	Green		
MEP Engineer	50 Broadw 8 West 38t	Consulting Engine ray, Hawthorne, NY 10532 th St. Suite 501, New York, -747-2800		
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	Fi eadq	ford re uarters Post Road NY 10506		
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Drawing by Checked by Checked by	S) HEER HOL	JRT JF/RS Drawing No. P0.1		

1" UNDERGROUND PROPANE GAS PIPING FRO SITE PROPANE TANKS (BY OTHERS, RE:SITE PLANS). RISE UP OUTSIDE BUILDING AND TRANSITION TO SCHEDULE 40 STEEL, 1/4"G. PROVIDE SHUT OFF VALVE AND REGULATOR (BY PROPANE VENDOR). REGULATOR SHALL BE SET FOR 14"W.C. SUPPLY TO THE			
BUILDING. ¾"G UNDERGROUND TO FUTURE SHED BUILE REFER TO SITE PLAN FOR CONTINUATION. —			
DHWH—3 HUNG ON WALL. ROUTE ¾"CONDENSATE DRAIN TO FD. ——————			
¾"PROPANE GAS PIPING TO PROPANE FIRED CONDENSING BOILER AND WATER HEATER.		□ NFHB ××★	<u>s</u> × × × × × × × - <u>- D</u> DE
GAS FIRED DOMESTIC HOT WATER HEATER <u>DHWH-2</u> MOUNTED ON 4" CONCRETE PAD.			1"( 20
SANITARY PIPING FROM MEZZANINE DOWN THROUGH SLAB. ROUTE 1"AIR TO CONNECTION AT AIR COMPRESSOR. (AIR COMPRESSOR BY OTHER	S)		
¾"CW AND HW DOWN TO HOSE REEL. TYPICAL FOR (3)			
			TANKE
4"S PIPING ROUTED UNDER SLAB THROUGH APPARATUS BAY. ————————————————————————————————————			₩ ₩₩ ₩₩ ₩₩
4"W PIPING TO 5' OUTSIDE BUILDING. RE: SITE PLAN FOR CONTINUATION. INV. = 22" BELOW BOTTOM OF SLAB. TYPICAL FOR			
(3)			ENGINE
			1."AIR
6"W PIPING TO 5' OUTSIDE BUILDING. RE: SITE PLAN FOR CONTINUATION. INV. = 22" BELOW BOTTOM OF SLAB.			
PROPANE GAS PIPING CAPPED FOR FUTURE KITCHEN.			1"AIR
1½"CW PIPING ROUTED UNDERSLAB FROM TRUCK WASH EQUIPMENT TO UNDERCARRIAGE TRUCK WASH SYSTEM IN APPARATUS BAY.			
4" SPRINKLER SERVICE AND BFP, REFER TO BACKFLOW PREVENTER PLANS.			
JOHNSON WASH SYSTEMS UNDERCARRIAGE TRUCK WASH ASSEMBLY EQUIPMENT IN MECHANICAL ROOM. PROVIDE 1½"CW CONNECTION WITH DOUBLE CHECK BACKFLOW PREVENTER.			
DOMESTIC WATER EXPANSION TANK WITH LOCK SHIELD VALVE. ————————————————————————————————————			
GAS FIRED DOMESTIC HOT WATER HEATER <u>DHWH–1</u> MOUNTED ON 4" CONCRETE PAD. ————————————————————————————————————			
1"CW UNDERGROUND TO FUTURE SHED BUILDING. REFER TO SITE PLAN FOR CONTINUATION.	НВ-2	NFHB 1"CW 3"CW	≝ ■ BFP ]c
- 3" DOMESTIC COLD WATER SERVICE INTO BUILDING TO 5' OUTSIDE BUILDING. RE: SITE PLUMBING PLAN FOR CONTINUATION.			
4" HUB DRAIN FOR SPRINKLER SYSTEM DRAIN. PROVIDE TRAP AND TRAP PRIMER CONNECTED TO CW LINE IN MER 114.			
2"CW, 2"HW, 3/4"HWR, & 4"S IN CORRIDOR CEILING.			
1"CW&HW DOWN TO WASHING MACHINE WALL BOX.			OMENLCK
1½"CW, 1½"HW, 3/4"HWR IN CORRIDOR <sup>NFH</sup> CEILING.	+-ψ	<u>HB-2</u> P-8	
3"V, 1"HW, 2"CW & 4"S UP TO PLUMBING CHASE ABOVE.		EXERCISE ROOM	
ELEVATOR SUMP PUMP <u>SP-1</u> IN PIT. ROUTE 2"PD TO TERMINATE INDIRECTLY AT FLOOR DRAIN IN MECHANICAL ROOM 114. ROUTE 1½"V PIPING TO CONNECT TO 2"V IN LOBBY. ———————————————————————————————————			
HOSE BIB AT EXTERIOR. MAINTAIN 24"CLEARANCE TO GRADE. TYPICAL. ————		 	
-			
			/
	(1) (1.4	4) (2)	

NORTH



CONNECTIONS FOR AT GROUND FLOOR LS.	<b>Sullivan</b> Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
URE DRYER ON 2ND	914-701-0000 (F) 914-701-4919
)	Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
APPARATUS BAY AS OORDINATE WITH CESS.	MEP Engineer: OLA Consulting Engineers
)	50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800
TER AT MEZZANINE 2).	
DOWN TO HOSE HIGH WITH IL. COORDINATE GARAGE DOORS.	
)	Date Issue
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	03.27.20 DESIGN DEVELOPMENT 05.07.20 PROGRESS
	05.08.20 CD PROGRESS SET 05.28.20 CD PROGRESS SET 06.30.20 CD REVIEW SET
	09.01.20 CONSTRUCTION PROGRESS 09.15.20 ICC SUBMISSION
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TO WASHING	
SIDE BUILDING. ONTINUATION. ITTOM OF SLAB.	
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	Project Title
"S UP TO IVE.	Bedford
)	Fire Headquarters
	550 Old Post Road
	Bedford, NY 10506
)	Drawing Title PLUMBING FIRST FLOOR
)	PLAN
	Project No. NSPC0070.00
)	DateO3-27-20ScaleAS NOTEDDrawing byJRT
	Drawing by JRT Checked by JF/RS
	Drawing No.
	P2.1





4"VTR ------

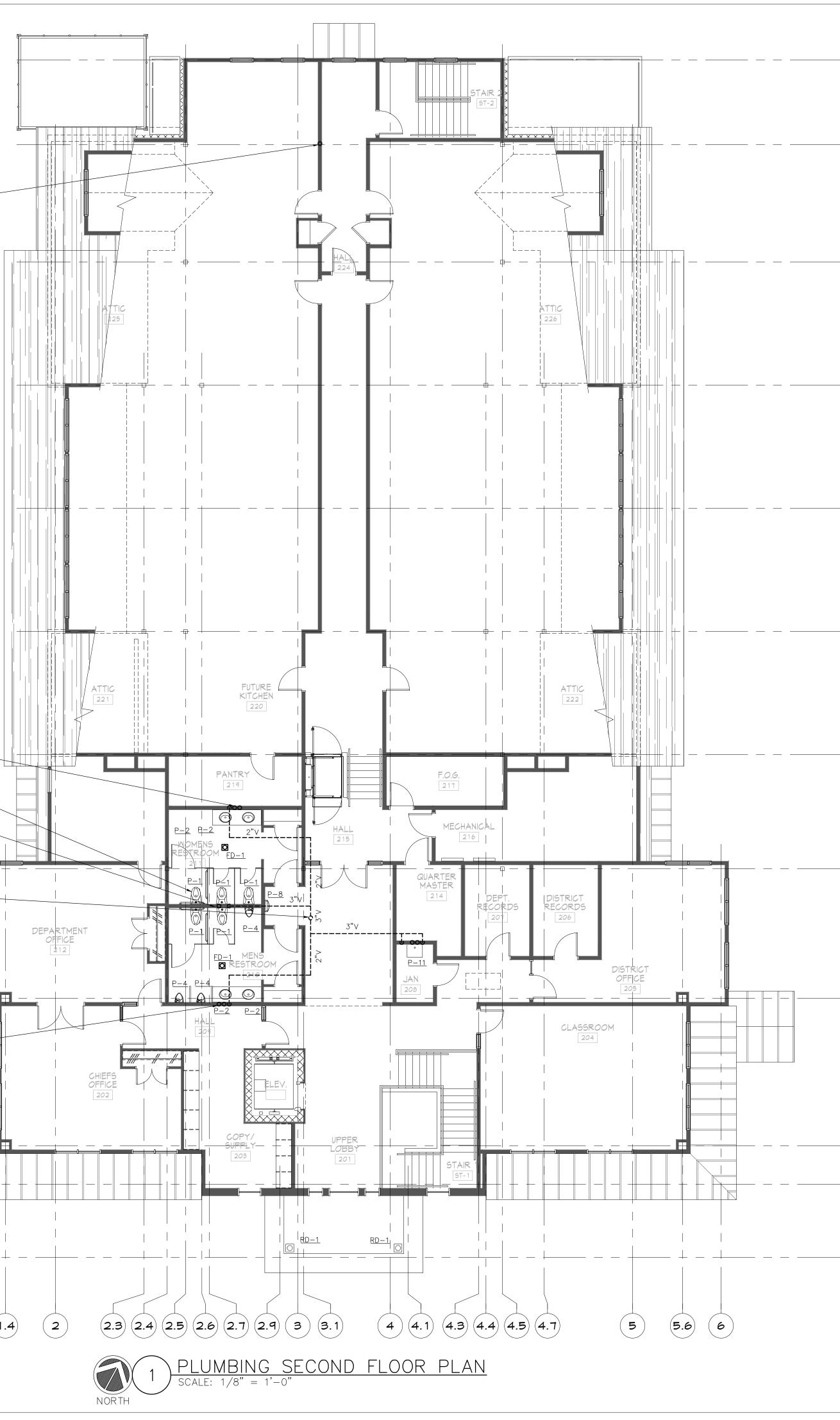
¾"CW&HW UP FROM BELOW. DISTRIBUTE IN WALL TO FIXTURES. ————

1½"CW FROM BELOW. DISTRIBUTE IN WALL TO FIXTURES. —————

4"VTR ——

¾"CW&HW UP FROM BELOW. DISTRIBUTE IN WALL TO FIXTURES.

\_\_\_\_\_ (1.4) (1)



	Sullivan Architecture, p.c. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
B	Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
	MEP Engineer: OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800
— <b>E</b>	Date Issue 03.10.20 MEETING 03.27.20 DESIGN DEVELOPMENT
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H	
	Project Title Bedford Fire Headquarters 550 Old Post Road Bedford, NY 10506
	Drawing Title PLUMBING SECOND FLOOR ALTERNATE PLAN
M	Project No. NSPC0070.00 Date 03-27-20 Scale AS NOTED Drawing by JRT Checked by JF/RS Drawing No. P2.2A

GENERAL NOTES:

- 1. ADEQUATE HEAT AND LIGHT SHALL BE PROVIDED IN LOCATIONS WHERE BACKFLOW PREVENTERS ARE TO BE INSTALLED. 2. THE CONTRACTOR SHALL USE ONLY AMERICAN MADE, UL/FM APPROVED VALVES.
- 3. NO WORK SHALL PROCEED WITHOUT WESTCHESTER COUNTY DEPARTMENT OF HEALTH APPROVAL.
- 4. BACKFLOW PREVENTER ARRANGEMENT SHALL NOT BE ALTERED WITHOUT PRIOR APPROVAL BY WESTCHESTER COUNTY DEPARTMENT OF HEALTH. 5. BACKFLOW PREVENTION SHALL BE PROTECTED FROM THE HIGHEST FLOOD LEVEL.
- 6. BY-PASSES AROUND BACKFLOW PREVENTER ASSEMBLEY SHALL NOT BE PERMITIED. 7. BACKFLOW PREVENTER DEVICE SHALL BE TESTED INITIALLY AND ANNUALLY BY A CERTIFIED AND LICENSED TESTER. AT THE TIME OF INITIAL
- TESTING PART A AND B OF DOH 1013 FORM MUST BE COMPLETED, TEST RESULTS (FORM DOH 1013) SHALL BE FORWARDED TO WESTCHESTER COUNTY DEPARTMENT OF HEALTH, OWNER AND ENGINEER. 8. THE BACKFLOW PREVENTER SHALL BE REBUILT EVERY FIVE YEARS.
- 9. ALL PLUMBING WORK SHALL BE PERFORMED BY A LICENSED PLUMBER IN THE TOWN OF BEDFORD AND ACCORDING TO DEPARTMENT OF PUBLIC WORKS REGULATIONS.
- 10. CONTRACTOR SHALL DISINFECT AND PRESSURE TEST BACKFLOW PREVENTER ASSEMBLY BEFORE PLACING IN SERVICE. DISINFECTION SHALL BE IN ACCORDANCE WITH AWWA STANDARD C651-05 WITH THE EXCEPTION OF SECTION 4.4.2. 11. CONTRACTOR SHALL ADEQUATELY SUPPORT ALL PIPING AND DEVICES.
- 12. WHERE THE DISTANCE BETWEEN THE WATER METER AND THE BACKFLOW PREVENTER ASSEMBLY IS GREATER THAN 10'-0", ALL EXPOSED PIPING SHALL BE STENCILED "FEED LINE TO BACKFLOW PREVENTER - DO NOT TAP" AT 5'-0" INTERVALS.

## EQUIPMENT NOTES:

- 1. THE 3"Ø DOMESTIC WATER BACKFLOW PREVENTER ASSEMBLY SHALL BE WATTS MODEL LF009M2QT REDUCED PRESSURE ZONE (LEAD FREE) BACKFLOW PREVENTER. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F (CONSTANT) AND 140°F (INTERMITTENT). THE ASSEMBLY SHALL HAVE SILICON SEATS AND LEAD FREE CAST COPPER SILICON ALLOY VALVE BODIES.
- 2. DOMESTIC WATER METER SHALL BE 3" SIZE PROVIDED AND INSTALLED BY TOWN OF BEDFORD WATER DEPARTMENT. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION.

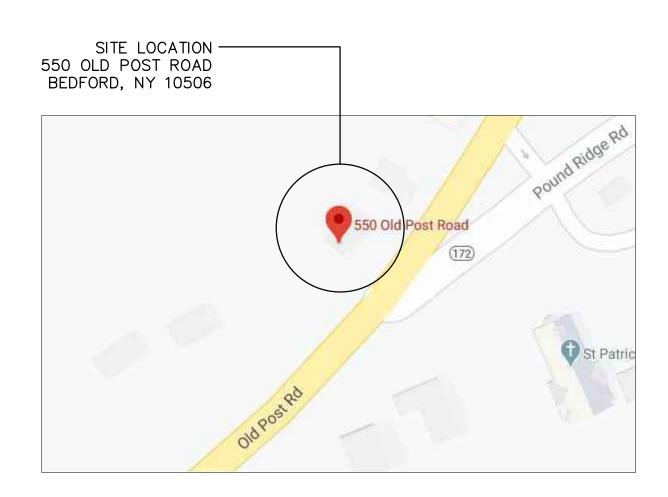
## INSTALLATION NOTES:

- A. STRAINERS ARE RECOMMENDED PRIOR TO EACH BACKFLOW DEVICE ON NON-FIRE FIGHTING LINES ONLY. NO STRAINER IS TO BE USED ON A FIRE LINE WITHOUT INSURANCE UNDERWRITER APPROVAL.
- B. ASSEMBLIES SHOULD BE SPECIFIED AND INSTALLED WITH MANUFACTURER SUPPLIED VALVES. C. WATER LINES SHOULD BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF DEVICE TO PREVENT DEBRIS FOULING THE DEVICE CHECK VALVES.
- D. DEVICES MUST BE MOUNTED HORIZONTALLY UNLESS APPROVED FOR VERTICAL INSTALLATION. ASSEMBLIES SHOULD NOT BE INSTALLED IN AREAS CONTAINING CORROSIVE OR TOXIC GASES WHICH COULD RENDER THE DEVICE INOPERABLE.

NOTE: INSTALLATION SHALL BE IN ACCORDANCE WITH WESTCHESTER COUNTY DEPARTMENT OF HEALTH REQUIREMENTS.

NO SUBSTITUTIONS PERMITTED HERON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

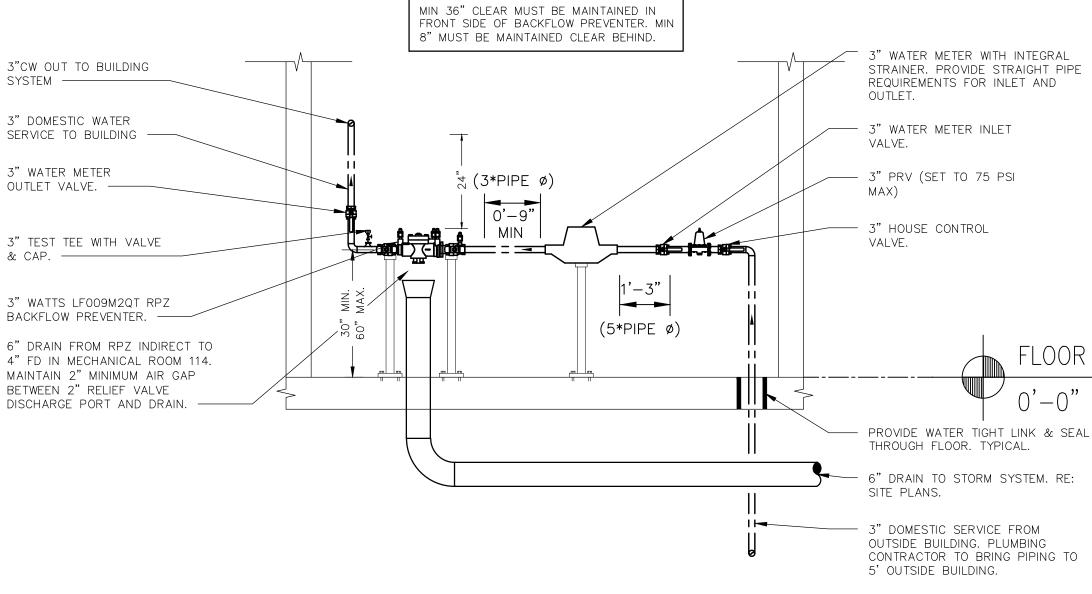
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×Ħ \_\_\_\_  $X \land X$ 3" WATER METER WITH INTEGRAL STRAINER. 3" PRESSURE REDUCING VALVE. -----3"CW WATTS LF009M2QT - 3"CW WATTS LEOUSNIZ 3" WATER METER WITH 2" RELIEF VALVE inlet valve. — DISCHARGE PORT. PROVIDE 3" TEST TEE WITH VALVE 8" CLEAR FROM WALL MIN. & CAP. —— - 3" WATER METER OUTLET VALVE. 3" HOUSE CONTROL VALVE. — A-A ROOM 6"DRAIN TO STORM SYSTEM. RE: SITE PLAN. -114 3" DOMESTIC SERVICE. · 3"CW TO BUILDING. COORDINATE WITH SITE UTILITIES PLAN -----\_ 

PLUMBING NEW WORK PART PLAN Scale: 1/4" = 1'-0"



PLUMBING ELEVATION A-A SCALE: 1/2" = 1'-0

# SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
	CW	COLD WATER
_	AFF	ABOVE FINISHED FLOOR
_	BFP	BACK FLOW PREVENTER
_	DCV	DOUBLE CHECK VALVE
_	DN.	ELBOW DOWN
_	MAX.	MAXIMUM
_	MIN.	MINIMUM
_	PC	PLUMBING CONTRACTOR
_	RPZ	REDUCED PRESSURE ZONE
_	TYP	TYPICAL
	_	DIRECTION OF FLOW

### BUILDING INFORMATION

ADDRESS: 550 OLD POST ROAD, BEDFORD, NY 10506 COUNTY: WESTCHESTER COUNTY



FLOOR

0'-0"

		chitecture, p.c.
White	Plains, №	neck Avenue New York 10601
914-76	1-6006 (	F) 914-761-4919
Owner:	Bedfor	d Village
	Fire Di 34 Village	
	Bedford, N	
MEP Engineer:		onsulting Engineers
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GENERAL NOTES:

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## EQUIPMENT NOTES:

- 1. THE 4"Ø FIRE PROTECTION BACKFLOW PREVENTER ASSEMBLY SHALL BE WATTS MODEL 709 OS&Y DCDA (LEAD FREE) BACKFLOW PREVENTER. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F (CONSTANT) AND 140°F (INTERMITTENT). THE ASSEMBLY SHALL HAVE SILICON SEATS AND LEAD FREE CAST COPPER SILICON ALLOY VALVE BODIES.
- 2. DOMESTIC WATER METER SHALL BE 2" SIZE PROVIDED AND INSTALLED BY TOWN OF BEDFORD WATER DEPARTMENT. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION.

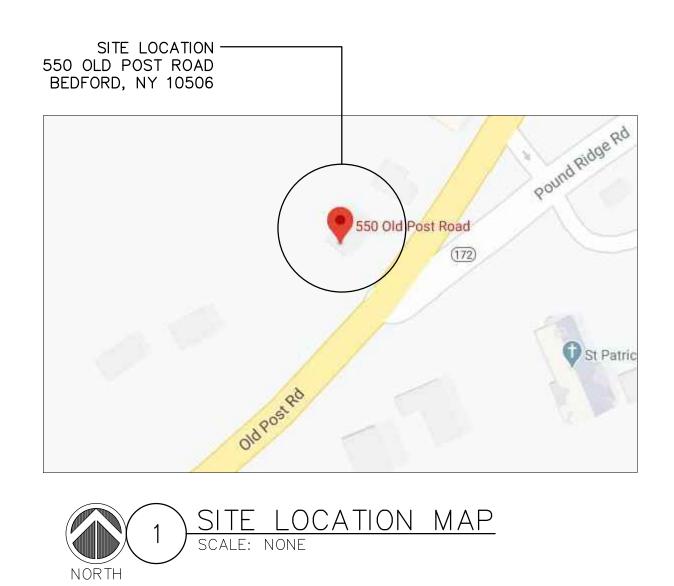
## INSTALLATION NOTES:

- A. STRAINERS ARE RECOMMENDED PRIOR TO EACH BACKFLOW DEVICE ON NON-FIRE FIGHTING LINES ONLY. NO STRAINER IS TO BE USED ON A FIRE LINE WITHOUT INSURANCE UNDERWRITER APPROVAL.
- B. ASSEMBLIES SHOULD BE SPECIFIED AND INSTALLED WITH MANUFACTURER SUPPLIED VALVES. C. WATER LINES SHOULD BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF DEVICE TO PREVENT DEBRIS FOULING THE DEVICE CHECK VALVES.
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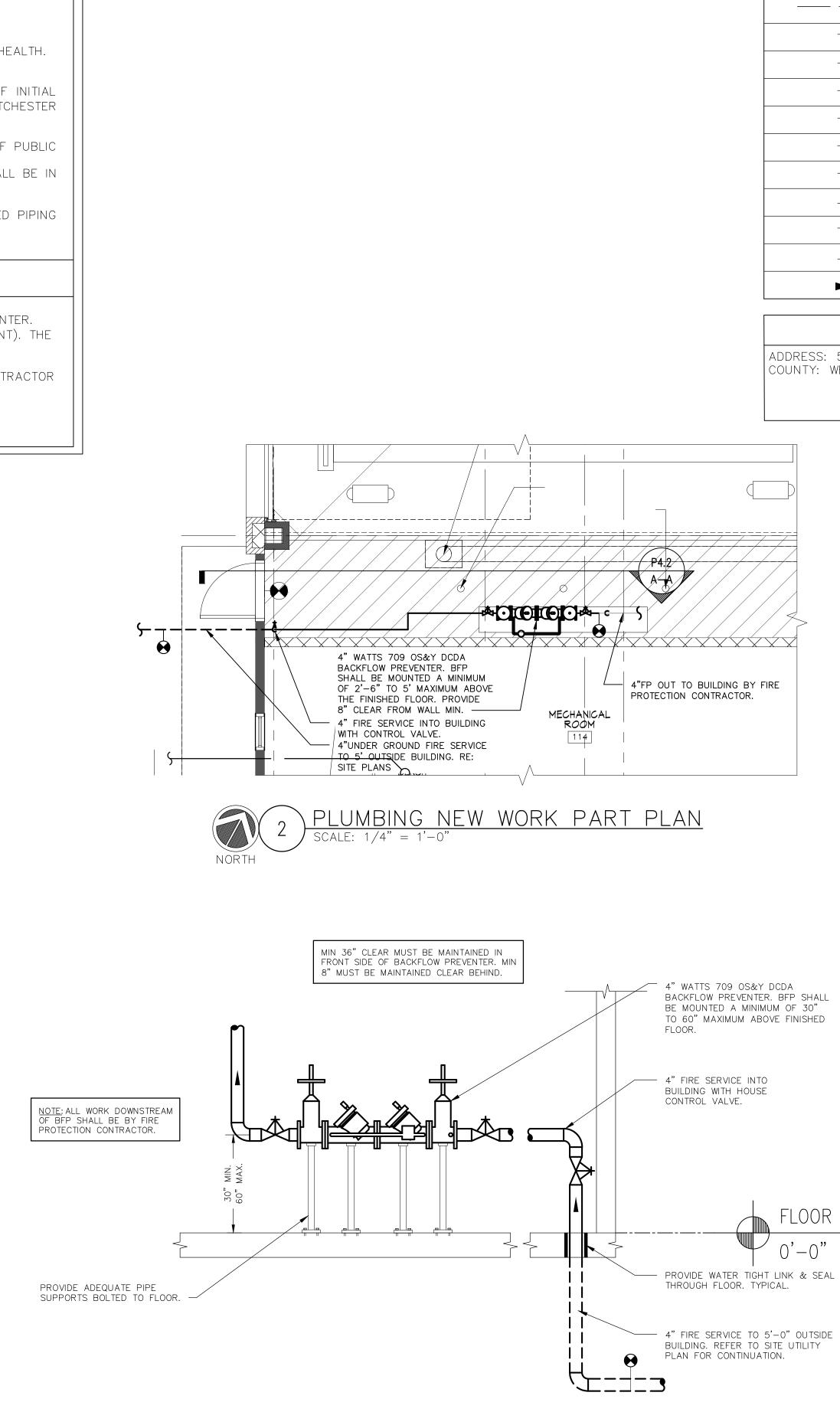
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# 3 PLUMBING ELEVATION A-A SCALE: 1/2" = 1'-0"



## SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
	CW	COLD WATER
_	AFF	ABOVE FINISHED FLOOR
_	BFP	BACK FLOW PREVENTER
_	DCV	DOUBLE CHECK VALVE
_	DN.	ELBOW DOWN
_	MAX.	MAXIMUM
_	MIN.	MINIMUM
_	PC	PLUMBING CONTRACTOR
_	RPZ	REDUCED PRESSURE ZONE
_	TYP	TYPICAL
	_	DIRECTION OF FLOW

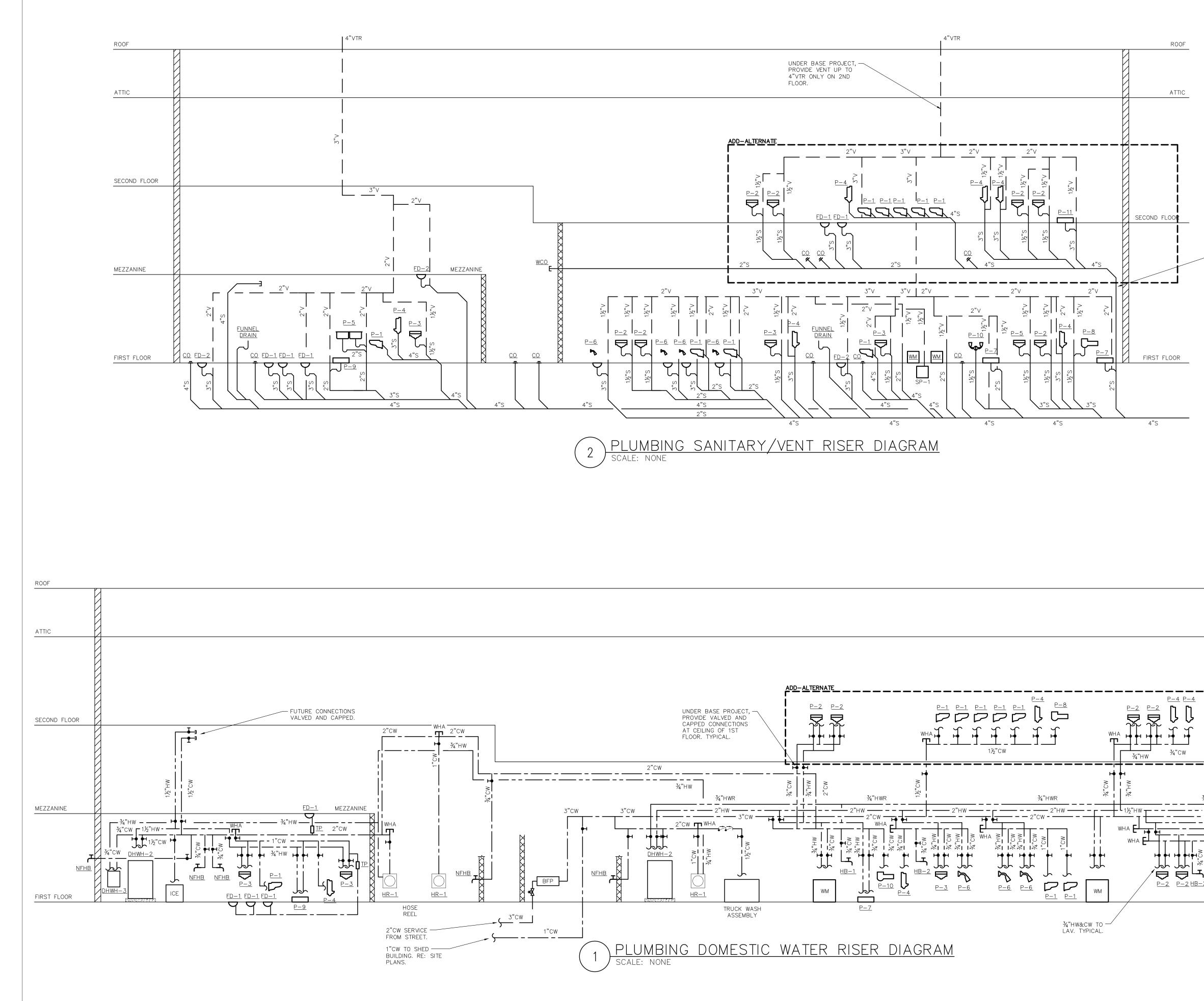
### BUILDING INFORMATION

ADDRESS: 550 OLD POST ROAD, BEDFORD, NY 10506 COUNTY: WESTCHESTER COUNTY

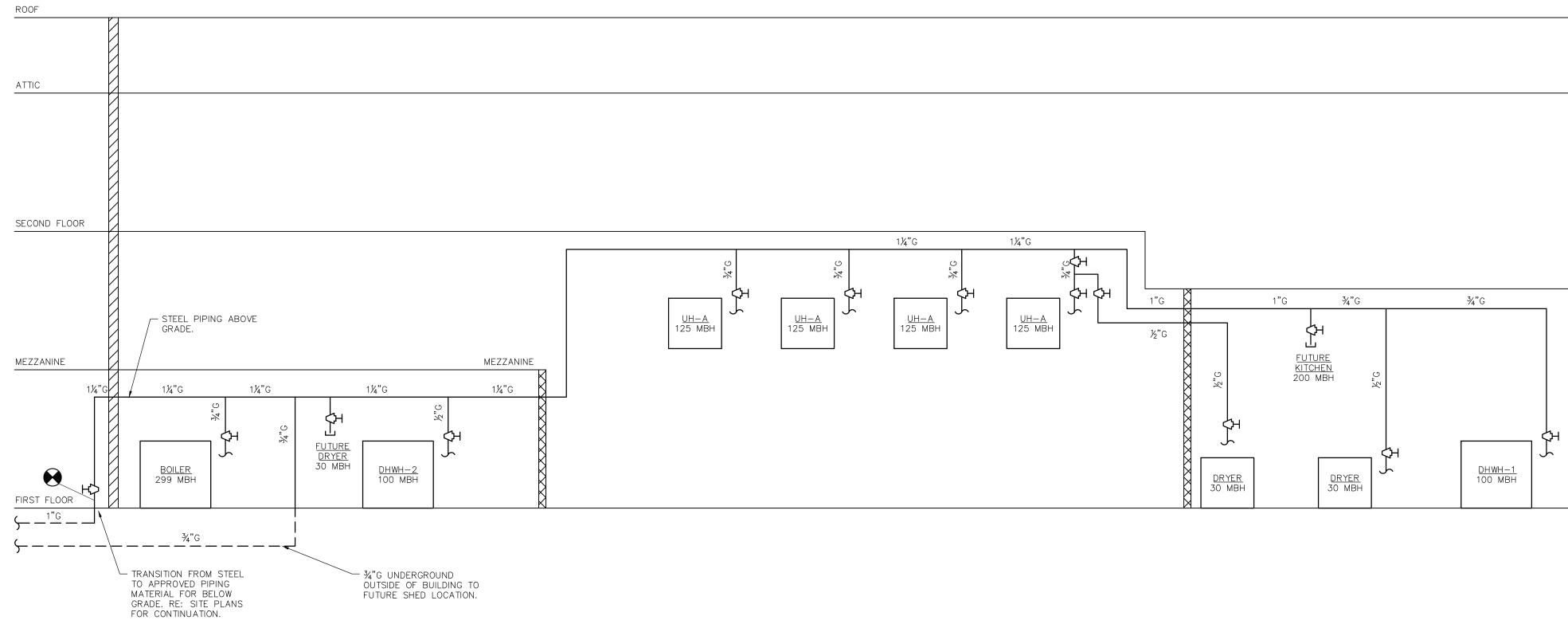


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	chitecture, p.c.
	neck Avenue New York 10601
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Owner: Bedfor Fire Di	d Village istrict
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	Sullivan Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
	Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
	MEP Engineer: OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800
UNDER BASE PROJECT, PROVIDE CAPPED SANITARY CONNECTION FOR FUTURE USE.	
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# PLUMBING PROPANE GAS RISER DIAGRAM



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INECTIONS			F WASTE	FIXTURES	IBOLS		AG		DESCRIPTION	FIXTURES	BOLS	SYMB PLAN	TAG				
WATER WA			WASTL						L CLEANOUT WITH CLEANOUT TEE AND CHROME PLATED BRONZE SQUARE ACCESS COVER AN	CLEANOUT WALL			СО				
									ME. WADE #W-8480 OR APPROVED EQUAL OR CLEANOUT WITH ADJUSTABLE HEAD, ANCHOR FLANGE, CUT-OFF SECTIONS AND ROUND RIATED NICKEL-BRONZE TOP: WADE #W-6000 OR APPROVED EQUAL. PROVIDE HEAVY DUTY N TOP FOR MECHANICAL ROOMS.	CLEANOUT FLOOR SCORIA		$\bigcirc$	CODP				
1"	"	2	4"	WATER CLOSET WALL-MOUNT			<sup>2</sup> —1		ET ROOMS AND GENERAL USE AREAS: WATTS #FD-100-M WITH 6"x 6" NICKEL-BRONZE TOF N BODY, & TRAP PRIMER TAPPING. TRAP PRIMER SHALL BE WATTS MODEL LFTP300.	FLOOR DRAIN TOILET			FD-1				
									HANICAL EQUIPMENT ROOMS: WATTS MODEL FD-320-Y EPOXY COATED CAST IRON AREA DR I ANCHOR FLANGE, WEEPHOLES, 8"DIAMETER FIXED TOP WITH DUCTILE IRON GRATE, SEDIMEN KET, TRAP SEAL, AND NO HUB (STANDARD) 3" OUTLET. PROVIDE TRAP SEAL SIMILAR TO ZU 72-ZSHIELD. TRAP PRIMER SHALL BE WATTS MODEL LFTP300.	FLOOR DRAIN WITH A		$\bigcirc$	FD-2				
								-	N ZFV806-U4-GDC-DB 6" WIDE REVEAL FIBER REINFORCED VINYLESTER TRENCH DRAIN SYS" H MECHANICAL CONNECTIONS BETWEEN SECTIONS, CLASS C GALVANIZED DUCTILE SLOTTED GR NO-HUB BOTTOM OUTLET, AND BOTTOM DOME STRAINER.	TRENCH DRAIN WITH N			TD-1				
3⁄4" 3	2"	11/2	1½"	LAVATORY – COUNTER MOUNTED		•	-2	P	N MODEL ZA-100 WITH DUCO CAST IRON BODY WITH SUMP, REMOVABLE CAST IRON DOME AINER, MEMBRANE FLANGE AND MEMBRANE CLAMP WITH INTEGRAL GRAVEL STOP, ADJUSTABL ER DECK CLAMP, ROOF SUMP RECEIVER, WATERPROOFING FLANGE, ADJUSTABLE EXTENSION S ROOF INSULATION. OUTLET SIZE TO MATCH EXISTING, COORDINATE IN FIELD. COORDINATE WI FING TYPE, REFER TO ARCHITECTURAL SPECIFICATIONS.	ROOF DRAIN UNDER		$\bigcirc$	RD-1				
								]	NTING HEIGHTS.	NTITY, LOCATIONS, & MOUNT	AWINGS FOR QUANT	RCHITECT'S DRAV	ES: REFER TO ,				
									SPECIALTIES SCHEDULE	JMBING WATER	PLU						
3⁄4" 3⁄	2	11/2	1½"	LAVATORY — WALL HUNG		<u> </u>	-3		DESCRIPTION	FIXTURES	SYMBOLS ELEVATION	PLAN SY	TAG				
									TYPE 650 SERIES: SIOUX CHIEF "HYDRARESTER" PISTON-TYPE, WITH TYPE L COPPER TO CONSTRUCTION, PRESSURIZED AIR CUSHION. REFER TO MANUFACTURER'S RECOMMENDED SIZING. RE: RISER.	WATER HAMMER ARRESTOR			WHA				
					Гл				IN UNFINISHED SPACES, WASHDOWN FAUCET SHALL BE CAST BRASS HOSE BIBBS WITH SEPARATE TAMPER PROOF VACUUM BREAKER WITH $\frac{1}{2}$ " MALE INLET AND $\frac{3}{4}$ " HOSE THREAD OUTLET: WATTS SERIES SC8 OR ACCEPTABLE EQUIVALENT.	HOSE BIB		+	HB-1				
3⁄4"	"	2	3"	URINAL			-4		IN FINISHED AREAS, WASHDOWN FAUCET SHALL BE POLISHED CHROME-PLATED WALL F WITH WALL FLANGE, $\frac{1}{2}$ " INLET, $\frac{3}{4}$ " HOSE THREAD OUTLET AND REMOVABLE LOOSE KEY T-HANDLE: CHICAGO #293-6 WITH #E27 VACUUM BREAKER OR ACCEPTABLE EQUIVALE	HOSE BIB	ــــــــــــــــــــــــــــــــــــــ	+	HB-2				
									B CAST BRASS, THREADED, NON_FREEZE, HEAVY-DUTY HYDRANT WITH NIKALOY BOX AND LOCKING COVER, BRASS OPERATING PARTS, 3/4" HPT HOSE OUTLET, 3/4" IPS OUTSIDE ELBOW ADAPTER, "T" HANDLE KEY, AND INTEGRAL VACUUM BREAKER/BACKFLOW PREV WADE #8600. PIPING SERVING WH-1 TO BE ROUTED DN IN INTERIOR WALLS.	NON-FREEZE HOSE BIB	ـــــــــــــــــــــــــــــــــــــ	+	NFHB				
3/4" 37	2"	11/2	2"	PANTRY SINK		°l°	-5	P	HANNAY REELS SERIES N800 MODEL # N818-25-26-10.5B, SPRING REWIND, ¾" HOSE LENGTH, 1" FEMALE NPT INLET AND OUTLET CONNECTIONS, STANDARD PRESSURE UP T 2,000 PSI, STANDARD TEMPERATURE RANGE 40°F TO 250°F. PROVIDE ADJUSTABLE THERMOSTATIC MIXING VALVE FOR REELS WITH HOT WATER.	HOSE REEL – WATER	_		HR-1				
								J									
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									DESCRIPTION	FIXTURES	ELEVATION	PLAN SY	TAG				
3⁄4" 3	2	11/2	2"	SHOWER			9-6	P	HANNAY REELS SERIES N700 MODEL # N716-17-18-8L, SPRING REWIND, FOR ¼" THROUGH ½" HOSE, 50' LENGTH, ½" FEMALE NPT INLET AND OUTL CONNECTIONS, STANDARD PRESSURE UP TO 3,000 PSI, STANDARD TEMPERATURE RANGE -60°F TO 250°F.	HOSE REEL – AIR	_		HR-2				
								]	EQUIPMENT NOTES								
									1. <u>Domestic hot water heater (DHWH-1&amp;2)</u> : Shall based on ao s								
3/4" 3	"	2	3"	UTILITY SINK		X	-7	P	MODEL BTX-100, 50 GALLON CAPACITY, RATED FOR 115 GPH @ 100 RISE, GAS FIRED, 120V/10/60 Hz, SINGLE POINT ELECTRICAL CONNEC 28"0x65"HIGH. PROVIDE DISCONNECT SWITCH.								
									2. <u>DOMESTIC HOT WATER HEATER (DWHW-3)</u> : SHALL BE BASED ON RI SENSEI MODEL RU199I, GAS FIRED OCNDENSING WATER HEATER, RATED								
									0.29–9.8 GPM, 199 BTU INPUT, 120V/1PH/60Hz, MCA=4 AMPS, MOCP = AMPS. PROVIDE PROPANE CONVERSION KIT, CONDENSATE NEUTRALIZING KI								
<i>Y</i> <sub>2</sub> "	2	11/2	1½"	BOTTLE FILL STATION			-8	P	3. <u>HOT WATER CIRCULATION PUMP (HWCP-1)</u> : SHALL BE BASED ON BEL GOSSETT MODEL NBF-33. ELECTRICAL CHARACTERISTICS SHALL								
3/4" 3/	2"	11/2	2"	MOP SINK		$\bowtie$	9-9	   P	120V/SINGLE PHASE/60 Hz, 125 WATTS, 110 AMPS AND 2950 RPM A GPM AND 10 FEET OF HEAD. PUMP SHALL HAVE LEAD—FREE BRONZE B PUMP SHALL BE PROVIDED WITH MOTOR STARTER AND DISCONNECT SWITC								
									4. <u>EXPANSION_TANK:</u> SHALL BE BASED ON AMTROL EXTROL MODEL AX-40V WITH 23 GALLON TANK VOLUME AND 11.3 GALLON ACCEPTANCE VOL EXPANSION TANK SHALL BE ASME RATED WITH 125 PSIG WORKING PRESS								
3/4" 3	/2"	1-1,	2"	eye wash / shower			-10	P-	AND 240°F OPERATING TEMPERATURE. TANK SHALL BE CONSTRUCTED CARBON STEEL SHELL, HEAVY DUTY BUTYL DIAPHRAGM AND SHALL HAVE OXIDE PRIME COAT. PROVIDE FACTORY SUPPORT SADDLES.								
3/1" 3 74" 3	,,	2	2"	SERVICE SINK		X	-11	р.	5. <u>Elevator Sump Pump SP-1</u> : Shall be based on stancor model S Pump, 0.5 HP, 115V-1 Phase-60 Hertz, 5 Fla, 50 GPM @ 22 Feet H AND 3600 RPM. PROVIDE STANCOR CHECK VALVE WITH EACH PUMP. PRO OIL MINDER CONTROL SYSTEM FOR EACH PUMP WITH BUILT IN AUDIBLE								
							DTES:		VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE AL								
TITY, LOCATI	QUAN	NISHES,	XTURE FIN	DRAWINGS FOR FIX	CHITECTURAL	TO ARC		1 1	LOCATION. PROVIDE JUNCTION BOX WITH MULTI PIN CONNECTOR AND C LENGTHS AS REQUIRED. PANEL TO HAVE INDICATOR LIGHTS FOR OIL S								

		PLUM	BING DRAIN	AGE SPECIALTIES SCHEDULE		PLUMBING FIX							
TAG	SYM PLAN	BOLS	FIXTURES	DESCRIPTION	TAG	PLAN	MBOLS	FIXTURES	WASTE	PLUMBING VENT	CONNECTIO	NS HOT	
СО			CLEANOUT	WALL CLEANOUT WITH CLEANOUT TEE AND CHROME PLATED BRONZE SQUARE ACCESS COVER AND FRAME. WADE #W-8480 OR APPROVED EQUAL		PLAN			WASTE		WATER	WATER MANUFACTURER:	
CODP	$\bigcirc$		CLEANOUT DECKPLATE	FRAME. WADE #W-8480 OR APPROVED EQUAL FLOOR CLEANOUT WITH ADJUSTABLE HEAD, ANCHOR FLANGE, CUT-OFF SECTIONS AND ROUND SCORIATED NICKEL-BRONZE TOP: WADE #W-6000 OR APPROVED EQUAL. PROVIDE HEAVY DUTY CAST IRON TOP FOR MECHANICAL ROOMS.								MODEL: 3351.511 SPUD, SELECTRON COLOR/FINISH: WI NOTES: VITREOUS	
FD-1	$\bigcirc$		FLOOR DRAIN	TOILET ROOMS AND GENERAL USE AREAS: WATTS #FD-100-M WITH 6"x 6" NICKEL-BRONZE TOP, CAST IRON BODY, & TRAP PRIMER TAPPING. TRAP PRIMER SHALL BE WATTS MODEL LFTP300.	P-1	0:0		WATER CLOSET WALL-MOUNT	4"	2"	1"	- TRAPWAY, TRIP LI <u>SEAT:</u> AMERICAN <u>FLUSH VALVE</u> : MO	
FD-2	$\bigcirc$			MECHANICAL EQUIPMENT ROOMS: WATTS MODEL FD-320-Y EPOXY COATED CAST IRON AREA DRAIN WITH ANCHOR FLANGE, WEEPHOLES, 8"DIAMETER FIXED TOP WITH DUCTILE IRON GRATE, SEDIMENT BUCKET, TRAP SEAL, AND NO HUB (STANDARD) 3" OUTLET. PROVIDE TRAP SEAL SIMILAR TO ZURN Z1072-ZSHIELD. TRAP PRIMER SHALL BE WATTS MODEL LFTP300.								HANDS-FREE OPE FIELD. COORDINAT WIRING, TRANSFOF <u>CARRIER FITTING</u> : ADJUSTABLE HORI	
TD-1		_	TRENCH DRAIN	ZURN ZFV806-U4-GDC-DB 6" WIDE REVEAL FIBER REINFORCED VINYLESTER TRENCH DRAIN SYSTEM WITH MECHANICAL CONNECTIONS BETWEEN SECTIONS, CLASS C GALVANIZED DUCTILE SLOTTED GRATE, 4" NO-HUB BOTTOM OUTLET, AND BOTTOM DOME STRAINER.								RIGHT HAND/LEFT MANUFACTURER: MODEL: 0476.028	
RD-1	$\bigcirc$		ROOF DRAIN	ZURN MODEL ZA-100 WITH DUCO CAST IRON BODY WITH SUMP, REMOVABLE CAST IRON DOME STRAINER, MEMBRANE FLANGE AND MEMBRANE CLAMP WITH INTEGRAL GRAVEL STOP, ADJUSTABLE UNDER DECK CLAMP, ROOF SUMP RECEIVER, WATERPROOFING FLANGE, ADJUSTABLE EXTENSION SLEEVE FOR ROOF INSULATION. OUTLET SIZE TO MATCH EXISTING, COORDINATE IN FIELD. COORDINATE WITH ROOFING TYPE, REFER TO ARCHITECTURAL SPECIFICATIONS.	P-2	$\bigcirc$		LAVATORY – COUNTER MOUNTED	1½"	1½"	3⁄4"	COLOR/FINISH:TONOTES:ADA3/4"FAUCET HOLES OFFAUCET:AMERICABRASS BODY,0.5	
IOTES: .) REFER TO A	ARCHITECT'S DRA	WINGS FOR QUANTI	ITY, LOCATIONS, & M	OUNTING HEIGHTS.	]							605XTMV1070, HA COORDINATE WITH TRANSFORMERS, E	
		PLU	MBING WATI	ER SPECIALTIES SCHEDULE								MANUFACTURER: MODEL: MURRO U FAUCET HOLES. COLOR/FINISH: TO	
TAG	PLAN	YMBOLS ELEVATION	FIXTURES	DESCRIPTION	P-3	ů		LAVATORY — WALL HUNG	11/2"	1½"	3⁄4"	34"NOTES:ADACOM34"ASREQUIREDFORFAUCET:AMERICA	
WHA			WATER HAMMER AR	TYPE 650 SERIES: SIOUX CHIEF "HYDRARESTER" PISTON-TYPE, WITH TYPE L COPPER TUBE CONSTRUCTION, PRESSURIZED AIR CUSHION. REFER TO MANUFACTURER'S RECOMMENDED SIZING. RE: RISER.								BRASS BODY, 0.5 605XTMV1070, HA COORDINATE WITH TRANSFORMERS, E	
HB-1	+		HOSE BIB	IN UNFINISHED SPACES, WASHDOWN FAUCET SHALL BE CAST BRASS HOSE BIBBS WITH SEPARATE TAMPER PROOF VACUUM BREAKER WITH $\frac{1}{2}$ " MALE INLET AND $\frac{3}{4}$ " HOSE THREAD OUTLET: WATTS SERIES SC8 OR ACCEPTABLE EQUIVALENT.								MANUFACTURER: MODEL: ALLBROOK SPUD URINAL AND	
HB-2	+	т	HOSE BIB	IN FINISHED AREAS, WASHDOWN FAUCET SHALL BE POLISHED CHROME-PLATED WALL FAUCET WITH WALL FLANGE, $\frac{1}{2}$ " INLET, $\frac{3}{4}$ " HOSE THREAD OUTLET AND REMOVABLE LOOSE KEY T-HANDLE: CHICAGO #293-6 WITH #E27 VACUUM BREAKER OR ACCEPTABLE EQUIVALENT.	P-4			URINAL	3"	2"	3⁄4"	CONNECTION 2" T COMPLIANT. <u>FLUSH VALVE</u> : 0.5 POWER, 20 PSI (F COORDINATE WITH	
NFHB	+	<u>т</u>	NON-FREEZE HOS	E BIB CAST BRASS, THREADED, NON_FREEZE, HEAVY-DUTY HYDRANT WITH NIKALOY BOX AND LOCKING COVER, BRASS OPERATING PARTS, 3/4" HPT HOSE OUTLET, 3/4" IPS OUTSIDE, ELBOW ADAPTER, "T" HANDLE KEY, AND INTEGRAL VACUUM BREAKER/BACKFLOW PREVENTER: WADE #8600. PIPING SERVING WH-1 TO BE ROUTED DN IN INTERIOR WALLS.								TRANSFORMERS, E MANUFACTURER: MODEL: 18CR.332	
HR-1		_	HOSE REEL – W	ATER HANNAY REELS SERIES N800 MODEL # N818-25-26-10.5B, SPRING REWIND, ¾" HOSE, 70' LENGTH, 1" FEMALE NPT INLET AND OUTLET CONNECTIONS, STANDARD PRESSURE UP TO 2,000 PSI, STANDARD TEMPERATURE RANGE 40°F TO 250°F. PROVIDE ADJUSTABLE THERMOSTATIC MIXING VALVE FOR REELS WITH HOT WATER.	P-5			PANTRY SINK	2"	1½"	3⁄4"	COLOR/FINISH: TO NOTES: 18 GA ST 15 <sup>1</sup> 5/ <sub>6</sub> " × 7½" SMA 3/4" PROVIDE ALL REQ FAUCET:	
												MANUFACTURER: MODEL: SINGLE H FINISH: STAINLESS NOTES: ADA COM	
			PLUMBING S	PECIALTIES SCHEDULE	]							FLOW RATE @ 60 SHOWER KIT: MANUFACTURER:	
TAG	PLAN	YMBOLS ELEVATION		DESCRIPTION			1					MODEL: 1662SG.2 NOTES: ADA COM HANDSHOWER.	
HR-2		_	HOSE REEL –	AIR HANNAY REELS SERIES N700 MODEL # N716-17-18-8L, SPRING REWIND, SIZED FOR ¼" THROUGH ½" HOSE, 50' LENGTH, ½" FEMALE NPT INLET AND OUTLET CONNECTIONS, STANDARD PRESSURE UP TO 3,000 PSI, STANDARD TEMPERATURE RANGE -60°F TO 250°F.	P-6			SHOWER	2"	1½"	3/4"	3/4" SHOWER VALVE TI MANUFACTURER: MODEL: T675.500 NOTES: ADA COM CARTRIDGE, POLIS <u>DRAIN:</u>	
				EQUIPMENT NOTES	]							WADE MODEL 1100 IRON DRAINAGE F UTILITY SINK:	
				1. <u>Domestic hot water heater (DHWH-1&amp;2)</u> : Shall based on ao smith								MANUFACTURER: MODEL: LRS3322 COLOR/FINISH: LU	
				MODEL BTX-100, 50 GALLON CAPACITY, RATED FOR 115 GPH @ 100 DEG RISE, GAS FIRED, 120V/10/60 Hz, SINGLE POINT ELECTRICAL CONNECTION, 28"0x65"HIGH. PROVIDE DISCONNECT SWITCH.	P-7			UTILITY SINK	3"	2"	3⁄4"	NOTES: 18 GA ST HOLES, CENTER 3 3/4" ALL REQUIRED MC <u>FAUCET</u> : MANUFACTURER:	
				2. <u>Domestic hot water heater (Dwhw-3)</u> : shall be based on rinnai sensei model ru199i, gas fired ocndensing water heater, rated for 0.29–9.8 gpm, 199 btu input, 120V/1Ph/60Hz, MCA=4 AMPS, MOCP = 10								MODEL: 6409.171 FINISH: POLISHED NOTES: ADA COM VANDAL RESISTAN	
				AMPS. PROVIDE PROPANE CONVERSION KIT, CONDENSATE NEUTRALIZING KIT. 3. <u>Hot water circulation pump (hwcp-1)</u> : shall be based on bell &	P-8			BOTTLE FILL STATION	1½"	1½"	1/2"	ELKAY MODEL LZV – COOLER RATED FO BUTTON ACTIVATIO	
				GOSSETT MODEL NBF-33. ELECTRICAL CHARACTERISTICS SHALL BE 120V/SINGLE PHASE/60 Hz, 125 WATTS, 110 AMPS AND 2950 RPM AT 5 GPM AND 10 FEET OF HEAD. PUMP SHALL HAVE LEAD-FREE BRONZE BODY.								MOP_SINK: FIAT_MODEL_MSB2 STEEL_DRAIN_BOD	
				PUMP SHALL BE PROVIDED WITH MOTOR STARTER AND DISCONNECT SWITCH. 4. <u>EXPANSION_TANK:</u> SHALL BE BASED ON AMTROL EXTROL MODEL AX-40V-DD	P-9			MOP SINK	2"	1½"	3/4"	34" <u>FAUCET:</u> KROWNE 8" CENTI CHROME PLATED	
				WITH 23 GALLON TANK VOLUME AND 11.3 GALLON ACCEPTANCE VOLUME. EXPANSION TANK SHALL BE ASME RATED WITH 125 PSIG WORKING PRESSURE AND 240°F OPERATING TEMPERATURE. TANK SHALL BE CONSTRUCTED OF CARBON STEEL SHELL, HEAVY DUTY BUTYL DIAPHRAGM AND SHALL HAVE RED OXIDE PRIME COAT. PROVIDE FACTORY SUPPORT SADDLES.	P-10	$\bigcirc$	۴.۴	EYE WASH / SHOWER	2"	1-1/2"	3/4"	HANDLES, HEAVY BASED ON ACORN MODEL S2340-AS TOP" DUST COVER FLOW. PROVIDE TH	
				5. <u>Elevator sump pump sp-1</u> : shall be based on stancor model se50 pump, 0.5 hp, 115V-1 phase-60 hertz, 5 fla, 50 gpm @ 22 feet head								TEMPERATURE CO       SERVICE SINK:       ELKAY MODEL ESS	
				AND 3600 RPM. PROVIDE STANCOR CHECK VALVE WITH EACH PUMP. PROVIDE OIL MINDER CONTROL SYSTEM FOR EACH PUMP WITH BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO RANEL RANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM	P-11 NOTES			SERVICE SINK	2"	2"	3⁄4"	3/4" FINISH, 14 GAGE FAUCET: ELKAY MODEL LKS LEVER HANDLES.	
				PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. PROVIDE JUNCTION BOX WITH MULTI PIN CONNECTOR AND CORD LENGTHS AS REQUIRED. PANEL TO HAVE INDICATOR LIGHTS FOR OIL SPILL, HIGH LIQUID LEVEL, OVERLOAD AND PUMP RUN. CONTROL PANEL ENCLOSURE			RCHITECTURAL	DRAWINGS FOR FI	IXTURE FI	NISHES, QU	ANTITY, L(	DCATIONS, & MOUNTING H	

			BING DRAINAGE		1		1				G FIXTUF	RE SCH	
TAG	PLAN	ELEVATION	FIXTURES	DESCRIPTION	TAG	PLAN SYM	IBOLS	FIXTURES	WASTE	PLUMBING (	COLD	НОТ	
СО				EANOUT WITH CLEANOUT TEE AND CHROME PLATED BRONZE SQUARE ACCESS COVER AND VADE #W-8480 OR APPROVED EQUAL							WATER		NUFACTURER: /
CODP	$\bigcirc$	1	CLEANOUT FLOOR C SCORIATE	LEANOUT WITH ADJUSTABLE HEAD, ANCHOR FLANGE, CUT-OFF SECTIONS AND ROUND D NICKEL-BRONZE TOP: WADE #W-6000 OR APPROVED EQUAL. PROVIDE HEAVY DUTY CAST FOR MECHANICAL ROOMS.								SPU COL NO <sup>-</sup>	UD, SELECTRON DOR/FINISH: WH DTES: VITREOUS APWAY, TRIP LE
FD-1			FLOOR DRAIN TOILET R	OOMS AND GENERAL USE AREAS: WATTS #FD-100-M WITH 6"x 6" NICKEL-BRONZE TOP, CAST DY, & TRAP PRIMER TAPPING. TRAP PRIMER SHALL BE WATTS MODEL LFTP300.	P-1	0:0		WATER CLOSET WALL-MOUNT	4"	2"	1"	– <u>SEA</u> FLU	<u>AFWAT, TRIP LE AT:</u> AMERICAN <u>USH VALVE</u> : MC NDS-FREE OPE
FD-2			FLOOR DRAIN WITH AND BUCKET,	CAL EQUIPMENT ROOMS: WATTS MODEL FD-320-Y EPOXY COATED CAST IRON AREA DRAIN CHOR FLANGE, WEEPHOLES, 8"DIAMETER FIXED TOP WITH DUCTILE IRON GRATE, SEDIMENT TRAP SEAL, AND NO HUB (STANDARD) 3" OUTLET. PROVIDE TRAP SEAL SIMILAR TO ZURN SHIELD. TRAP PRIMER SHALL BE WATTS MODEL LFTP300.								FIEL WIR CAF AD	ILD. COORDINAT RING, TRANSFOF <u>RRIER FITTING</u> : JUSTABLE HORI
TD-1		_	TRENCH DRAIN WITH ME	V806-U4-GDC-DB 6" WIDE REVEAL FIBER REINFORCED VINYLESTER TRENCH DRAIN SYSTEM CHANICAL CONNECTIONS BETWEEN SECTIONS, CLASS C GALVANIZED DUCTILE SLOTTED GRATE, UB BOTTOM OUTLET, AND BOTTOM DOME STRAINER.								IAM	GHT HAND/LEFT NUFACTURER: DEL: 0476.028
RD-1			ZURN MC STRAINER UNDER D FOR ROC	DEL ZA-100 WITH DUCO CAST IRON BODY WITH SUMP, REMOVABLE CAST IRON DOME R, MEMBRANE FLANGE AND MEMBRANE CLAMP WITH INTEGRAL GRAVEL STOP, ADJUSTABLE ECK CLAMP, ROOF SUMP RECEIVER, WATERPROOFING FLANGE, ADJUSTABLE EXTENSION SLEEVE F INSULATION. OUTLET SIZE TO MATCH EXISTING, COORDINATE IN FIELD. COORDINATE WITH TYPE, REFER TO ARCHITECTURAL SPECIFICATIONS.	P-2	$\bigcirc$		LAVATORY – COUNTER MOUNTED	1½"	1½"	3⁄4"	34" FAL BRA	D <u>LOR/FINISH</u> : TO D <u>TES</u> : ADA COM UCET HOLES ON UCET: AMERICA ASS BODY, 0.5
OTES: .) REFER TO	ARCHITECT'S DRAW	INGS FOR QUANTI	TY, LOCATIONS, & MOUNTING	G HEIGHTS.								COC TRA	5XTMV1070, HA ORDINATE WITH ANSFORMERS, E
		PLUN	MBING WATER S	PECIALTIES SCHEDULE								MOI FAU	<u>DEL</u> : MURRO UI UCET HOLES. DOR/FINISH: TO
TAG	PLAN	MBOLS	FIXTURES	DESCRIPTION	P-3			LAVATORY — WALL HUNG	1½"	1½"	3⁄4"	3⁄4" AS	DTES: ADA COMP REQUIRED FOR UCET: AMERICA
WHA		_	WATER HAMMER ARRESTOR	TYPE 650 SERIES: SIOUX CHIEF "HYDRARESTER" PISTON-TYPE, WITH TYPE L COPPER TUBE CONSTRUCTION, PRESSURIZED AIR CUSHION. REFER TO MANUFACTURER'S RECOMMENDED SIZING. RE: RISER.								605 COC	ASS BODY, 0.5 5XTMV1070, HA ORDINATE WITH ANSFORMERS, E
HB-1	+	 ۲	HOSE BIB	IN UNFINISHED SPACES, WASHDOWN FAUCET SHALL BE CAST BRASS HOSE BIBBS WITH SEPARATE TAMPER PROOF VACUUM BREAKER WITH $\frac{1}{2}$ " MALE INLET AND $\frac{3}{4}$ " HOSE THREAD OUTLET: WATTS SERIES SC8 OR ACCEPTABLE EQUIVALENT.								MOI SPU	<u>NUFACTURER:</u> <u>DEL</u> : ALLBROOK UD URINAL AND NNECTION 2" TH
HB-2	+	ــــــــــــــــــــــــــــــــــــــ	HOSE BIB	IN FINISHED AREAS, WASHDOWN FAUCET SHALL BE POLISHED CHROME-PLATED WALL FAUCET WITH WALL FLANGE, $\frac{1}{2}$ " INLET, $\frac{2}{4}$ " HOSE THREAD OUTLET AND REMOVABLE LOOSE KEY T-HANDLE: CHICAGO #293-6 WITH #E27 VACUUM BREAKER OR ACCEPTABLE EQUIVALENT.	P-4			URINAL	3"	2"	3/4"	- CON FLU POV	MPLIANT. <u>USH VALVE</u> : 0.5 WER, 20 PSI (F ORDINATE WITH
NFHB	+	ـــــــــــــــــــــــــــــــــــــ	NON-FREEZE HOSE BIB	CAST BRASS, THREADED, NON_FREEZE, HEAVY-DUTY HYDRANT WITH NIKALOY BOX AND LOCKING COVER, BRASS OPERATING PARTS, 3/4" HPT HOSE OUTLET, 3/4" IPS OUTSIDE, ELBOW ADAPTER, "T" HANDLE KEY, AND INTEGRAL VACUUM BREAKER/BACKFLOW PREVENTER: WADE #8600. PIPING SERVING WH-1 TO BE ROUTED DN IN INTERIOR WALLS.								TRA MAN MOI	ANSFORMERS, E <u>NUFACTURER</u> : A DEL: 18CR.3322
HR-1		_	HOSE REEL – WATER	HANNAY REELS SERIES N800 MODEL # N818-25-26-10.5B, SPRING REWIND, ¾" HOSE, 70' LENGTH, 1" FEMALE NPT INLET AND OUTLET CONNECTIONS, STANDARD PRESSURE UP TO 2,000 PSI, STANDARD TEMPERATURE RANGE 40°F TO 250°F. PROVIDE ADJUSTABLE THERMOSTATIC MIXING VALVE FOR REELS WITH HOT WATER.	P-5			PANTRY SINK	2"	1½"	3/" /4	NO <sup>-</sup> 15 <sup>1</sup> 3⁄4" PRC FAL	DLOR/FINISH: TC DTES: 18 GA ST 15/6" x 7½" SMA OVIDE ALL REQ UCET:
												MAI MOI FINI	NUFACTURER: A DEL: SINGLE HA NISH: STAINLESS DTES: ADA COMF
		F	PLUMBING SPEC	IALTIES SCHEDULE								SHO	OW RATE @ 60 <u>OWER KIT:</u> NUFACTURER: A
TAG	PLAN SY	MBOLS	FIXTURES	DESCRIPTION								MOI NO <sup>-</sup>	DEL: 1662SG.22 TES: ADA COMF NDSHOWER.
HR-2			HOSE REEL – AIR	HANNAY REELS SERIES N700 MODEL # N716-17-18-8L, SPRING REWIND, SIZED FOR ¼" THROUGH ½" HOSE, 50' LENGTH, ½" FEMALE NPT INLET AND OUTLET CONNECTIONS, STANDARD PRESSURE UP TO 3,000 PSI, STANDARD	P-6			SHOWER	2"	1½"	3/4"	3/4" MAN MOI NO	OWER VALVE TR NUFACTURER: A DEL: T675.500. TES: ADA COMF RTRIDGE, POLISE
				TEMPERATURE RANGE -60°F TO 250°F.								DRA WAI	AIN: DE MODEL 1100 DN DRAINAGE FL
			<u> </u>	QUIPMENT NOTES								1AM IOM	T <u>ility sink:</u> Anufacturer: e Del: lrs3322
			1.	DOMESTIC HOT WATER HEATER (DHWH-1&2): SHALL BASED ON AO SMITH MODEL BTX-100, 50 GALLON CAPACITY, RATED FOR 115 GPH @ 100 DEG RISE, GAS FIRED, 120V/10/60 Hz, SINGLE POINT ELECTRICAL CONNECTION, 28"0x65"HIGH. PROVIDE DISCONNECT SWITCH.	P-7			UTILITY SINK	3"	2"	3⁄4"	NO <sup>-</sup> HOL 3⁄4" ALL FAL	DLOR/FINISH: LU DTES: 18 GA ST DLES, CENTER 3- L REQUIRED MO <u>UCET</u> :
			2.	DOMESTIC HOT WATER HEATER (DWHW-3): SHALL BE BASED ON RINNAI SENSEI MODEL RU199I, GAS FIRED OCNDENSING WATER HEATER, RATED FOR 0.29-9.8 GPM, 199 BTU INPUT, 120V/1PH/60Hz, MCA=4 AMPS, MOCP = 10								MOI FINI NO	NUFACTURER: / DEL: 6409.171 NSH: POLISHED DES: ADA COMF NDAL RESISTAN
			3.	AMPS. PROVIDE PROPANE CONVERSION KIT, CONDENSATE NEUTRALIZING KIT. HOT WATER CIRCULATION PUMP (HWCP-1): SHALL BE BASED ON BELL &	P-8			BOTTLE FILL STATION	1½"	1½"	1/2"	– ELK	KAY MODEL LZW OLER RATED FO
				GOSSETT MODEL NBF-33. ELECTRICAL CHARACTERISTICS SHALL BE 120V/SINGLE PHASE/60 Hz, 125 WATTS, 110 AMPS AND 2950 RPM AT 5 GPM AND 10 FEET OF HEAD. PUMP SHALL HAVE LEAD-FREE BRONZE BODY. PUMP SHALL BE PROVIDED WITH MOTOR STARTER AND DISCONNECT SWITCH.	P-9			MOP SINK	2"	1½"	3⁄4"	FIA STE	D <u>P_SINK;</u> AT_MODEL_MSB2 EEL_DRAIN_BOD <u>UCET</u> ;
			4.	EXPANSION TANK: SHALL BE BASED ON AMTROL EXTROL MODEL AX-40V-DD WITH 23 GALLON TANK VOLUME AND 11.3 GALLON ACCEPTANCE VOLUME.									OWNE 8" CENTE ROME PLATED E NDLES, HEAVY
				EXPANSION TANK SHALL BE ASME RATED WITH 125 PSIG WORKING PRESSURE AND 240°F OPERATING TEMPERATURE. TANK SHALL BE CONSTRUCTED OF CARBON STEEL SHELL, HEAVY DUTY BUTYL DIAPHRAGM AND SHALL HAVE RED OXIDE PRIME COAT. PROVIDE FACTORY SUPPORT SADDLES.	P-10		۴.۴ ۲	EYE WASH / Shower	2"	1-1/2"	3/4"	3/4" MOI TOF FLC	SED ON ACORN DEL S2340-AS P" DUST COVER OW. PROVIDE TH MPERATURE COI
			5.	ELEVATOR SUMP PUMP SP-1: SHALL BE BASED ON STANCOR MODEL SE50 PUMP, 0.5 HP, 115V-1 PHASE-60 HERTZ, 5 FLA, 50 GPM @ 22 FEET HEAD AND 3600 RPM. PROVIDE STANCOR CHECK VALVE WITH EACH PUMP. PROVIDE OIL MINDER CONTROL SYSTEM FOR EACH PUMP WITH BUILT IN AUDIBLE AND	P-11			SERVICE SINK	2"	2"	3⁄4"	34" SEF ELK FINI FAL	RVICE SINK: KAY MODEL ESS NSH, 14 GAGE S UCET: KAY MODEL LK9
				VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. PROVIDE JUNCTION BOX WITH MULTI PIN CONNECTOR AND CORD LENGTHS AS REQUIRED. PANEL TO HAVE INDICATOR LIGHTS FOR OIL SPILL, HIGH LIQUID LEVEL, OVERLOAD AND PUMP RUN. CONTROL PANEL ENCLOSURE	NOTES 1.) RE		 CHITECTURAL	DRAWINGS FOR F	IXTURE FI	NISHES, QU	 ANTITY, LO	LEV	VER HANDLES.

- HIGH LIQUID LEVEL, OVERLOAD AND PUMP RUN. CONTROL PANEL ENCLOSURE TO BE NEMA4X WATERTIGHT CORROSION RESISTANT FIBERGLASS.

HEDULE
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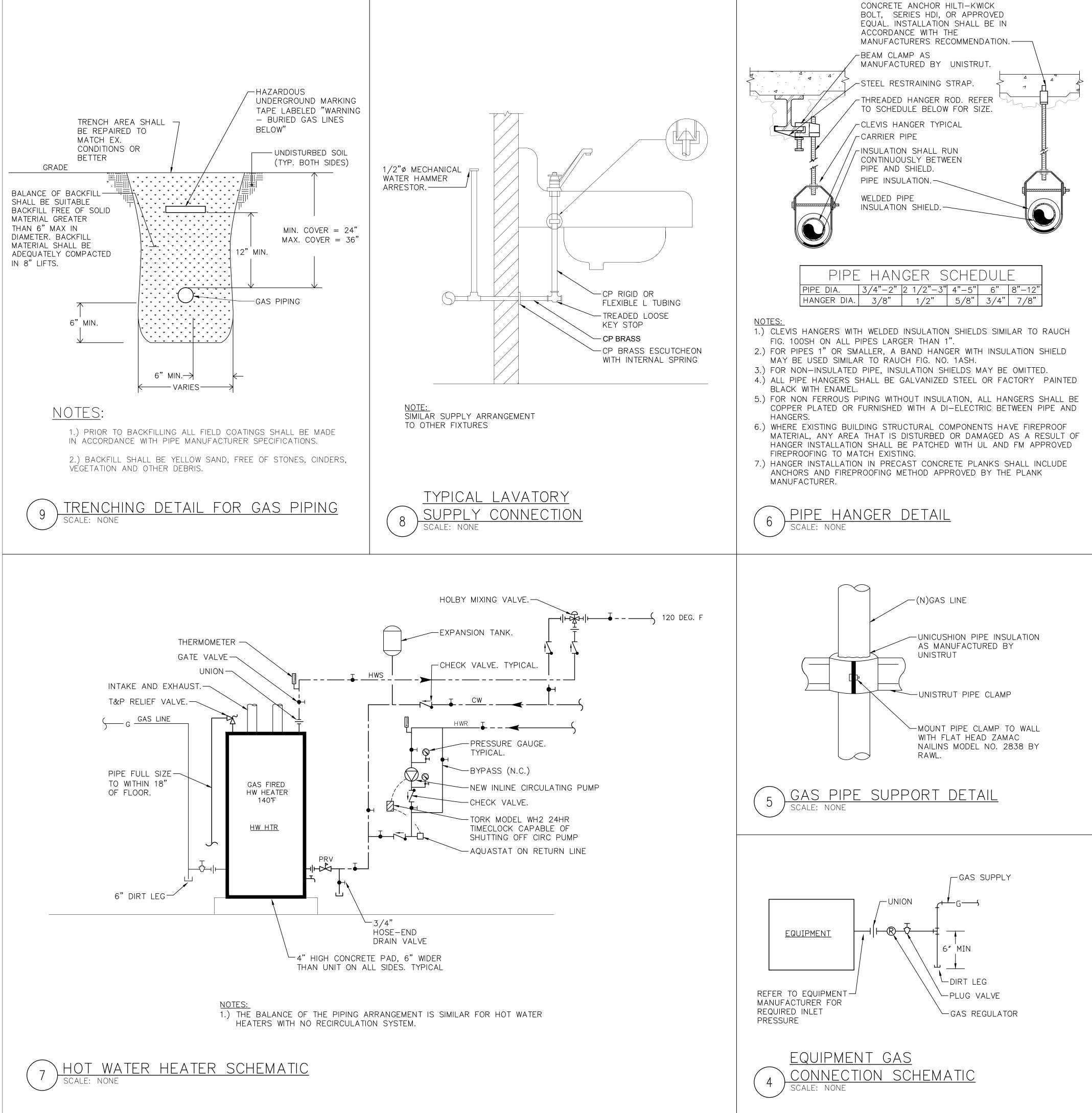
DESCRIPTION
<u>ER</u> : AMERICAN STANDARD .511 AFWALL MILLENNIM FLOWISE 1.1 GPF FLUSHOMETER TOILET SYSTEM, EXPOSED TOP TRONIC FLUSH VALVE H: WHITE
EOUS CHINA, HIGH EFFICIENCY, LOW CONSUMPTION 1.1 GPF, 2-1/8" FULLY GLAZED RIP LEVEL SHALL BE AWAY FROM WALL. COORDINATE WITH PLANS. CAN STANDARD 5901.100 HEAVY DUTY TOILET SEAT WITH EVERCLEAN STANDARD 5901.100 HEAVY DUTY TOILET SEAT WITH EVERCLEAN OPERATION, ADA COMPLIANT, RIGHT HAND/LEFT HAND ORIENTATION TO BE VERIFIED IN DINATE WITH ELECTRICAL CONTRACTOR FOR IN WALL ROUGHING OF POWER SUPPLY ISFORMERS, ETC.
<u>ING:</u> ZURN ZN1201-N_4 NARROW WALL WITH 8-13/16" FRONT TO BACK EZCARRY HORIZONTAL HIGH PERFORMANCE SIPHON JET NO-HUB WATER CLOSET CARRIER SYSTEM. (LEFT HAND INLET TO BE VERIFIED IN FIELD, RATED UP TO 500 LB CAPACITY.
ER: AMERICAN STANDARD 3.028 AQUALYN COUNTERTOP SINK – 16"WIDE, 10" FRONT TO BACK, 5–5/8" DEEP 1: TO BE COORDINATED WITH ARCHITECT COMPLIANT, VITREOUS CHINA, FRONT OVERFLOW, OVAL COUNTERTOP SINK, 1–1/4" TRAP ES ON 4" CENTERS, PROVIDE MOUNTING KIT AS REQUIRED FOR INSTALLATION. ERICAN STANDARD 605B.205, INNSBROOK SELECTRONIC CENTERSET FAUCET: CAST , 0.5 GPM MAX, MULTI-LAMINAR SPRAY, THERMOSTATIC MIXING VALVE MODEL 0, HARD-WIRED AC POWER KIT MODEL PK00.HAC, LEAD FREE, ADA COMPLIANT. WITH ELECTRICAL CONTRACTOR FOR IN WALL ROUGHING OF POWER SUPPLY WIRING, RS, ETC.
<u>ER:</u> AMERICAN STANDARD RO UNIVERSAL DESIGN 0954.004EC 21¼"x20½" WALL HUNG LAVATORY WITH 4" CENTER ES.
<u>H</u> : TO BE COORDINATED WITH ARCHITECT COMPLIANT, VITREOUS CHINA, REAR OVERFLOW, 1–1/4" TRAP, PROVIDE HANGER PLATE FOR INSTALLATION. PROVIDE MODEL 0059.020EC SHROUD. ERICAN STANDARD 605B.205, INNSBROOK SELECTRONIC CENTERSET FAUCET: CAST , 0.5 GPM MAX, MULTI-LAMINAR SPRAY, THERMOSTATIC MIXING VALVE MODEL D, HARD-WIRED AC POWER KIT MODEL PK00.HAC, LEAD FREE, ADA COMPLIANT. WITH ELECTRICAL CONTRACTOR FOR IN WALL ROUGHING OF POWER SUPPLY WIRING, RS, ETC.
<u>ER:</u> AMERICAN STANDARD BROOK FLOWISE HIGH EFFICIENCY URINAL SYSTEM #6550.510, 0.5 GPF EXPOSED TOP AND SELECTRONIC URINAL FLUSH VALVE, VITREOUS CHINA, ¾" INLET SPUD, OUTLET 2" THREADED INSIDE, PROVIDE CONCEALED WALL CARRIER AND SUPPORT, ADA
:: 0.5 GPF EXPOSED SENSOR-OPERATED FOR 3/4" TOP SPUD URINALS. HARD-WIRED AG PSI (FLOWING), 80 PSI (STATIC) OPERATING PRESSURE. 10 GPM FLOW REQUIREMENT. WITH ELECTRICAL CONTRACTOR FOR IN WALL ROUGHING OF POWER SUPPLY WIRING, RS, ETC.
ER: AMERICAN STANDARD R.332232C.075 MONTVALE STAINLESS STEEL DOUBLE BOWL DUAL MOUNT SINK H: TO BE COORDINATED WITH ARCHITECT A STAINLESS STEEL CONSTRUCTION, 15¼" x 18" x 9" LARGE BOWL DEPTH, 12½" x SMALL BOWL DEPTH, SINGLE FAUCET HOLE, REAR CENTER 3–1/2" DRAIN OPENINGS, REQUIRED MOUNTING HARDWARE.
ER: AMERICAN STANDARD LE HANDLE SWIVEL DECK MOUNT, 2—FUNCTION PULL—DOWN SPRAYER NLESS STEEL COMPLIANT, LEAD FREE, ROTATING SPOUT, SPRAY AND STREAM FUNCTIONS, 1.8 GPM @ 60 PSI, CERAMIC DISC CARTRIDGE.
ER: AMERICAN STANDARD SG.221 COMMERCIAL SHOWER SYSTEM KIT COMPLIANT, POLISHED CHROME FINISH, 36" METAL SLIDEBAR, 59" METAL HOSE, 1.5 GPM
<u>VE_TRIM:</u> ER: AMERICAN STANDARD 5.500.002 COMPLIANT, BRASS CONSTRUCTION, LEVER HANDLE, PRESSURE BALANCING VALVE POLISHED CHROME FINISH, INCLUDE ALL MOUNTING ADAPTERS AND ROUGH—IN HARDWARE
1100-A WITH 5" ROUND ADJUSTABLE NIKEL-BRASS STRAINER, CAST IRON BODY, CAST GE FLANGE, FLASHING CLAMP, AND SEDIMENT BUCKET.
ER: ELKAY 3322 LUSTERTONE CLASSIC STAINLESS STEEL SINGLE BOWL DROP-IN SINK H: LUSTROUS SATIN FINISH A STAINLESS STEEL CONSTRUCTION, 33" x 22" x 7%" BOWL DEPTH, FOUR FAUCET ER 3-1/2" DRAIN OPENING, BOTTOM PAD SOUND GUARD, LESS BOTTOM GRID. PROVIDE D MOUNTING HARDWARE.
ER: AMERICAN STANDARD 9.171 TOP MOUNT FAUCET WITH 8" GOOSENECK SPOUT AND PULL-OUT SPRAYER SHED CHROME COMPLIANT, SWIVEL SPOUT, 1.5 GPM FLOW RATE © 60 PSI, CERAMIC DISC CARTRIDGE, STANT WRIST BLADES, 1/2" MALE THREADED INLETS.
L LZWS8K, WALL MOUNT BOTTLE FILING STATION, FILTERED & REFRIGERATED WATER, ED FOR 8 GPH. 120V/1Hz/60PH, 1 AMP FLA, 370 WATTS. MECHANICAL BOTTLE FILLER VATION, STAINLESS STEEL FINISH, GREEN TICKER, LAMINAR FLOW, NO BUBBLER.
MSB2424, 24" X 24" ONE PIECE MOLDED STONE 10" DEEP MOP BASIN WITH STAINLESS BODY AND COMBINATION DOME STRAINER / LINT BASKET.
CENTER WALL MOUNTED FAUCET WITH PRE-RINSE MODEL 18-706L. FAUCET SHALL BE TED BRASS WITH ¼ TURN CERAMIC CARTRIDGE VALVES WITH INERNAL CHECK, LEVER TAVY DUTY FLANGES, 1.8 GPM FAUCET SPOUT AND 1.15 GPM SPRAY HEAD.
CORN SAFETY, BARRIER FREE COMBINATION STATION EYE/FACE WASH AND SHOWERHEAD D-AS-BF. EYE/FACE WASH SHALL HAVE TWO SPRAY HEADS. EACH HEAD HAS A "FLIP COVER, INTERNAL FLOW CONTROL AND FILTER TO REMOVE IMPURITIES FROM THE WATER DE THERMOSTATIC MIXING VALVE MODEL ET71-1-BVS-OTG. PROVIDE OUTLET E COMPLYING WITH ANSI Z358.1.
<u>\.</u>

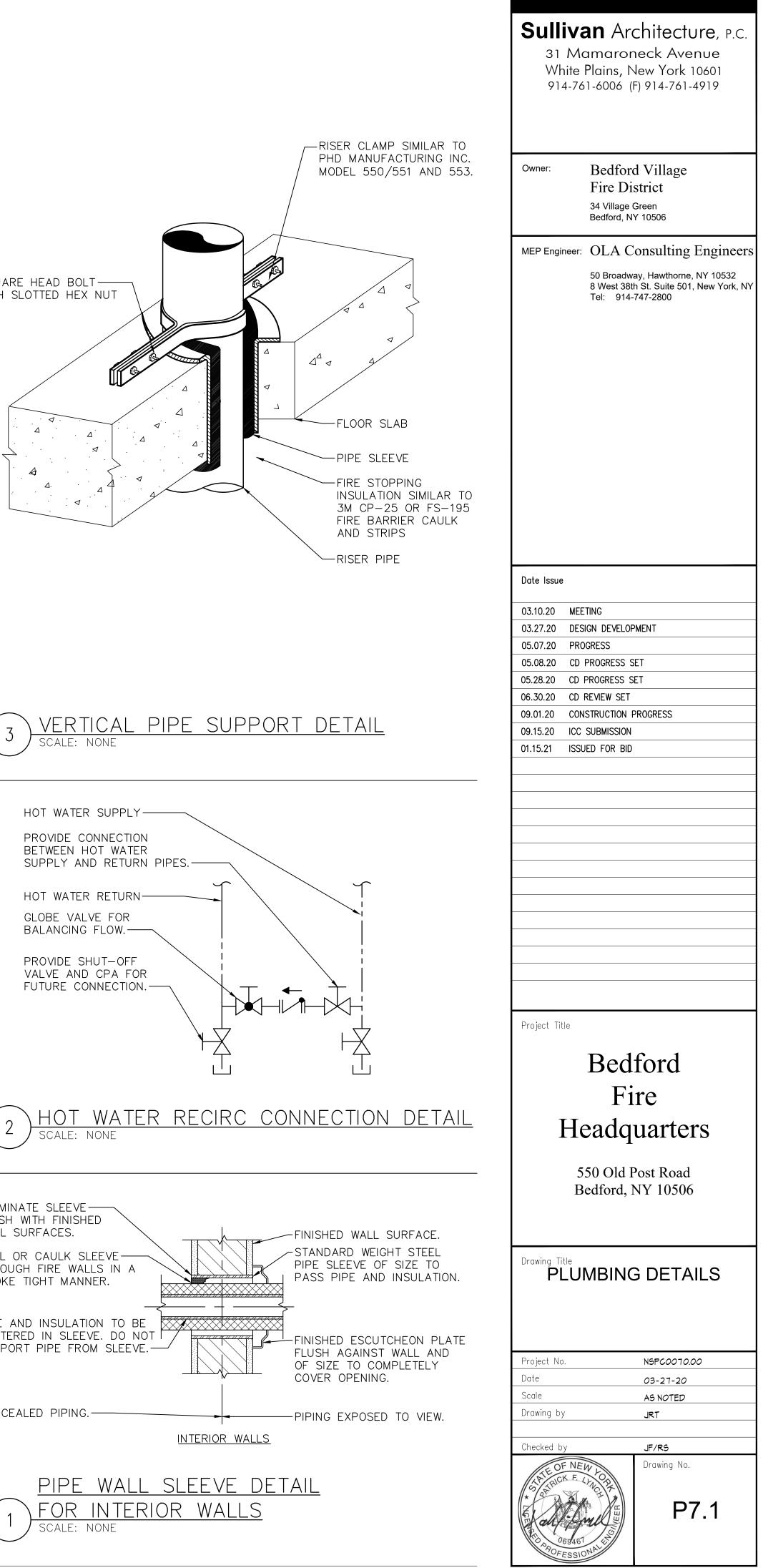
SSB2520C WALL HUNG	SERVICE SINK KIT.	304 STAINLESS	STEEL, E	BUFFED	SATIN
E STEEL, 25" x 19½" x	24", 3½" DRAIN.				

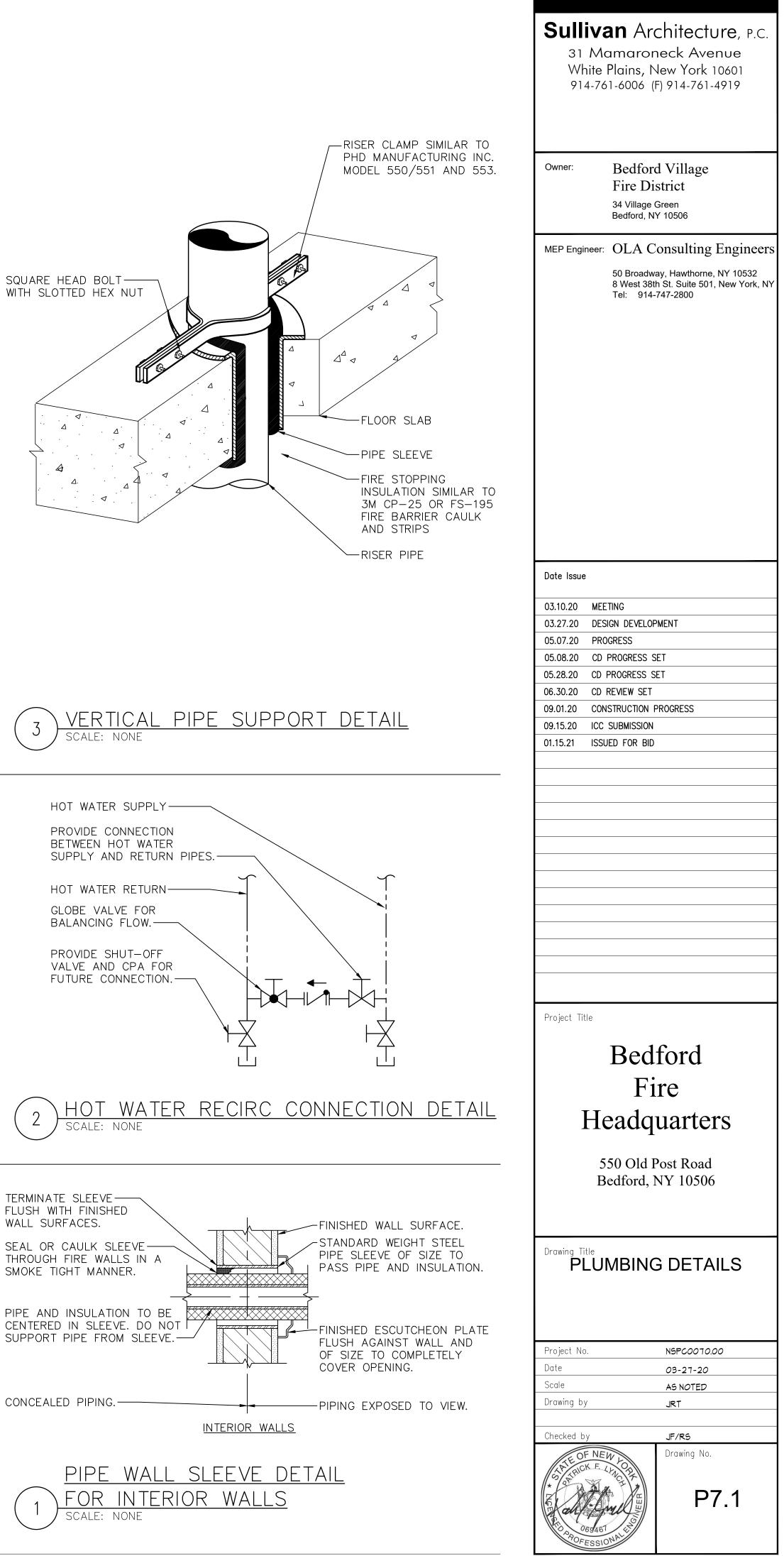
LK940BR03L2H, 8" CENTERSET WALL MOUNT FAUCET WITH 3" BUKET HOOK SPOUT, 2" 

; HEIGHTS.

Sullivan Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919					
Owner:	Bedford Fire Di 34 Village Bedford, N	Green			
MEP Engineer:	OLA C 50 Broadw 8 West 38t	Consulting Engineers ray, Hawthorne, NY 10532 th St. Suite 501, New York, NY -747-2800			
Date Issue					
03.10.20 MEE	TING				
03.27.20 DES 05.07.20 PR0		PMENT			
05.07.20 PR0 05.08.20 CD		SET			
05.28.20 CD 06.30.20 CD		ET			
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	SUBMISSION ED FOR BID				
Project Title					
5	Fi eadq	ford re uarters Post Road			
В	edford, I	NY 10506			
Drawing Title PLUME	BING S	SCHEDULES			
Project No.		NSPC0070.00			
Date Scale		03-27-20			
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Checked by		<b>JF/RS</b> Drawing No.			
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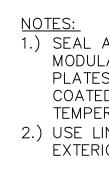






LINK SEAL — SERVICE PIPIN

CORE DRILLED



1 <u>PIP</u> FOF SCALE

	Sullivan Architecture, p.c.
	31 Mamaroneck Avenue
	White Plains, New York 10601 914-761-6006 (F) 914-761-4919
	Owner: Bedford Village
	Fire District 34 Village Green Bedford, NY 10506
	MEP Engineer: OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY
	Tel: 914-747-2800
	Date Issue 03.10.20 MEETING
	03.27.20 DESIGN DEVELOPMENT 05.07.20 PROGRESS
	05.08.20CD PROGRESS SET05.28.20CD PROGRESS SET
	06.30.20 CD REVIEW SET 09.01.20 CONSTRUCTION PROGRESS
	09.15.20 ICC SUBMISSION 01.15.21 ISSUED FOR BID
A SERVICE PIPE CORE DRILL NEW OPENING	Project Title
EXISTING WALL SCH. 80 PIPE SLEEVE	Bedford
	Fire Headquarters
	550 Old Post Road Bedford, NY 10506
<u>SECTION A-A</u> N.T.S.	Drawing Title PLUMBING DETAILS
SSEMBLY BASED ON THUNDERLINE MODEL "C" LINK-SEAL R SEAL, WITH EPDM SEAL ELEMENT, COMPOSITE PRESSURE	Project No. NSPC0070.00
, STEEL WITH 2-PART ZINC DICHROMATE & ORGANIC NUTS AND BOLTS RATED FOR AN OPERATING ATURE RANGE OF -40°F TO +250°F. IK SEAL AT ALL LOCATIONS WHERE PIPES PENETRATE	Date03-27-20ScaleAS NOTEDDrawing by
R WALLS, ABOVE GRADE OR BELOW GRADE.	Checked by JF/RS Drawing No.
<u>E LINK SEAL DETAIL</u> <u>R EXTERIOR WALLS</u> : NONE	P7.2

## SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATIO	N DESCRIPTION	SYMBOL	ABBREVIATIC	N DESCRIPTION	
	AC-	AIR CONDITIONING UNIT	·····································	_	PLUG VALVE	ł	_	TRANSITION	1. (
	AC-	AIR CONDENSING UNIT	 ∽	_	LOCK SHIELD VALVE		_	DUCT DROP	
_			 人	_				DUCT RISE	N
_	AD	ACCESS DOOR		_	GATE VALVE			SQUARE VANED ELBOW	2
_	AFF	ABOVE FINISHED FLOOR			GLOBE VALVE	<u>```</u>			[ 
_	AHC	ABOVE HUNG CEILING		-	TEE DOWN	]_ <b>_</b>		DUCT RISE DUCT DROP	
_	AHU-	AIR HANDLING UNIT	C	-	ELBOW DOWN				
_	AP	ACCESS PANEL	_0_	-	TEE UP		-	DUCT TRANSITION	
_	BDD	BACKDRAFT DAMPER	<u> </u>	-	ELBOW UP	·/////////////////////////////////////	_	ALUMINUM DUCT	4. F
_	BHP	BRAKE HORSEPOWER		-	CONCENTRIC REDUCER		AL	ACOUSTIC LINING	
_	BTU	BRITISH THERMAL UNIT	► *	-	ECCENTRIC REDUCER		FD/AD	FIRE DAMPER W/ ACCESS DOOR	F
_	CFM	CUBIC FEET PER MINUTE	<u>A</u>	_	OS&Y GATE VALVE		SD/AD	SMOKE DAMPER W/ ACCESS DOOR COMBINATION FIRE/SMOKE DAMPER W/	5. /
_	CH-	CABINET HEATER	<del>اير</del> ا ا	_	STRAINER		CFSD	ACCESS DOOR	l
_	Ę	CENTERLINE	₩	_	PRESSURE REDUCING VALVE		VD	VOLUME DAMPER	6. [ 6.
_	CP-	CONDENSATE PUMP		_	FLOW ARROW		AL	ACOUSTIC LINING	(
_	DB	DRY BULB TEMPERATURE	ណ៍	_	BUTTERFLY VALVE	\$ <u>6x8</u> }	_	DUCT SIZE - 1ST FIGURE IS SIDE SHOWN	N
-	DIA. OR Ø	DIAMETER	IQI	_	BALANCING VALVE		FC	FLEXIBLE CONNECTION	
_	DX	DIRECT EXPANSION	н	_	MANUAL AIR VENT	×	_	ALUMINUM DUCT	7. /
_	EA	EXHAUST AIR	XQ	_	SOLENOID VALVE	F 50	_	DIFFUSER/REGISTER TAG – TYPE / CFM	
_	EAT	ENTERING AIR TEMPERATURE	M C	_	MOTORIZED VALVE				
_	EX-	EXHAUST FAN	R	_	T&P RELIEF VALVE	SECT#		SECTION CALLOUT	8. [
_	EL	ELEVATION	Ŧ	_	BALL VALVE		+		
_	ER	EXHAUST REGISTER	Ø H	_	PRESSURE GAGE	HWUH-#	_	HOT WATER UNIT HEATER	9. L
_	ESP	EXTERNAL STATIC PRESSURE		_	TERMOMETER	ECUH-#	_	ELECTRIC CABINET UNIT HEATER	(
_	EWT	ENTERING WATER TEMPERATURE	₹7	_	CHECK VALVE	GFUH-#		GAS FIRED UNIT HEATER	10. (
	FPM	FEET PER MINUTE		_	UNION	EDH-#	_	ELECTRIC DUCT HEATER	
_	FPS			EX.	EXISTING TO REMAIN		_	VEHICLE EXHAUST FAN	
_		FEET PER SECOND		REL.	REMOVE AND RELOCATE				11.
_	FTR	FINNED TUBE RADIATION		NEW					
_	GPM	GALLONS PER MINUTE		DEM.	NEW WORK EXISTING TO BE REMOVED				12.
_	HP	HORSE POWER							
_	HV—	HEATING AND VENTILATING UNIT	CD	-	CONDENSATE DRAIN				/
_	KX-	KITCHEN EXHAUST	—— HWS ——	_	HOT WATER SUPPLY				13.
_	LAT	LEAVING AIR TEMPERATURE	—— HWR ——	-	HOT WATER RETURN				
_	LF	LINEAR FEET	PD	-	PUMP DISCHARGE, CONDENSATE				14. <i>i</i>
_	LWT	LEAVING WATER TEMPERATURE	RL	_	REFRIGERANT LIQUID				
_	MBH	1000 BRITISH THERMAL UNITS PER HOUR	RS	_	REFRIGERANT SUCTION				
_	MER	MECHANICAL EQUIPMENT ROOM	—— HG ——	_	REFRIGERANT HOT GAS				15. I
_	NC	NORMALLY CLOSED	1	_	THERMOSTAT				
_	NIC	NOT IN CONTRACT	М	_	MOTORIZED DAMPER				
_	NO	NORMALLY OPEN	\$	_	SMOKE DETECTOR				
_	OAI	OUTSIDE AIR INTAKE	Ψ	_	DOOR UNDER CUT				16.
_	PSI	POUNDS PER SQUARE INCH	- <u>+</u>	_	DOOR LOUVER				
_	RA	RETURN AIR		_	AIR INTO REGISTER				
_	RPM	REVOLUTIONS PER MINUTE	$\mathbf{\Theta}$	_	POINT OF CONNECTION DISCONNECTION				17.
_	SA	SUPPLY AIR	-	UH	UNIT HEATER		+		
_	SP	STATIC PRESSURE		СИН	CABINET UNIT HEATER		+		
_	TD	TRANSFER DUCT		P-1	PUMP				18.
	TDH	TOTAL DYNAMIC HEAD		SR	SUPPLY REGISTER				
_	TSP	TOTAL STATIC PRESSURE		CD	1-WAY				
	TYP.	TYPICAL		CD	2-WAY				19.
_	U.O.N.	UNLESS OTHERWISE NOTED		CD	2-WAY				20.
_		WET BULB TEMPERATURE		CD	3-WAY				
_									
_	WG	INCHES OF WATER GAUGE							
_	WMS	WIRE MESH SCREEN		RR/RG	RETURN REGISTER/GRILLE				
_	WB	WET BULB TEMPERATURE		_	SUPPLY DUCT UP				
_	WG	INCHES OF WATER GAUGE		_	SUPPLY DUCT DOWN				
× ·	-	3-WAY VALVE		_	RETURN DUCT UP				
	_	FLEXIBLE CONNECTION		_	RETURN DUCT DOWN				
				1	TRANSITION FROM SQUARE TO	1			I

# GENERAL NOTES

NTRACT DRAWINGS, AS FAR AS THEY RELATE TO THE GENERAL RANGEMENT AND LOCATION OF EQUIPMENT, SHEET METAL, AND PIPING, ALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGES TO EQUIPMENT, EET METAL, AND PIPING LOCATIONS NECESSARY TO AVOID INTERFERENCE TH OTHER TRADES SHALL BE MADE AT NO EXTRA COST, AND MUST BE PROVED BY THE ENGINEER.

E MECHANICAL CONTRACTOR SHALL INSTALL FIRE DAMPERS WITH ACCESS DRS IN ALL DUCTS PENETRATING FIRE RATED WALLS, WHETHER SPECIFICALLY DWN ON THE DRAWINGS OR NOT.

MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL VOLUME DAMPERS DUCTWORK AS REQUIRED TO BALANCE THE AIRFLOW AT ALL REGISTERS AND TUSERS TO THE CFM'S INDICATED ON PLAN, WHETHER SPECIFICALLY SHOWN THE DRAWINGS OR NOT.

DVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR ES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE D THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. NETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER SSIBLE.

DUSTICALLY LINE ALL TRANSFER DUCTS. ACOUSTIC LINING SHALL BE 1" CK. PROVIDE RETURN REGISTERS AT TRANSFER DUCT INLETS & OUTLETS CATED BELOW THE CEILING, OR IN AREAS WITH NO CEILING.

CT-MOUNTED SMOKE DETECTORS AND SAMPLING TUBES SHALL BE RNISHED BY THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR ALL INSTALL EACH SAMPLING TUBE IN THE DUCTWORK. THE ELECTRICAL NTRACTOR SHALL INSTALL AND WIRE EACH SMOKE DETECTOR. THE CHANICAL CONTRACTOR SHALL NOT BRANCH OFF ANY DUCT REQUIRING A CT SMOKE DETECTOR BEFORE THE DUCT SMOKE DETECTOR. LOCATE SMOKE TECTORS IN SERVICEABLE AREAS, NOT IN SHAFTS.

L MOTOR STARTERS AND DISCONNECT SWITCHES FOR HVAC EQUIPMENT ALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY E ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT ITCHES FURNISHED BY THE MECHANICAL CONTRACTOR FOR HVAC EQUIPMENT ALL BE HEAVY DUTY TYPE.

CT DIMENSIONS SHOWN ON MECHANICAL DRAWINGS REFER TO INSIDE CLEAR CT DIMENSIONS. WHERE DUCTWORK IS LINED, THE MECHANICAL CONTRACTOR ALL INCREASE THE SIZE OF DUCT TO COMPENSATE FOR LINING.

CATE THERMOSTATS AND TEMPERATURE SENSORS 5'-0" ABOVE FINISHED OOR UNLESS OTHERWISE NOTED. COORDINATE LOCATION WITH FURNITURE, BINETS, ETC. FURNISH LOCKING TAMPERPROOF COVER FOR ALL NEW ERMOSTATS IN PUBLIC AREAS.

DRDINATE DUCTWORK, GRILLE, DIFFUSER AND REGISTER LOCATIONS WITH HTS, SPRINKLER HEADS, SMOKE DETECTORS, AND THE ARCHITECTURAL ANS.

MECHANICAL CONTRACTOR SHALL NOTE THAT, IN ADDITION TO THE CIFICATIONS AND DETAILS GIVEN IN THESE PLANS FOR PIPE HANGERS AND PORTS, ALL HANGERS AND SUPPORTS SHALL BE DESIGNED AND INSTALLED COMPLIANCE WITH APPLICABLE SEISMIC CODES.

EXPOSED DUCTWORK LOCATED IN AREAS WHERE THERE IS NO CEILING ALL BE ROUND OR OVAL SPIRAL DUCTWORK, INTERNALLY LINED, PRIMED AND ISHED PAINTED WITH FLAT ENAMEL. COORDINATE COLOR SELECTION WITH CHITECTURAL PLANS.

E MECHANICAL CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP AWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING CTWORK, PLUMBING AND SPRINKLER PIPING, SMOKE DETECTORS, LIGHTS, NDUITS, SMOKE DETECTORS, DIFFUSERS, GRILLES, ETC.

WORK SHALL COMPLY WITH NEW YORK STATE MECHANICAL CODE, NEW RK STATE BUILDING CODE, LOCAL BUILDING CODE, AND NEW YORK STATE ERGY CODE REQUIREMENTS. IN CASE OF CONFLICT BETWEEN THE CONTRACT CUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT ANDARD SHALL APPLY.

RING CONSTRUCTION, ALL OPEN OR INCOMPLETE DUCTWORK SHALL BE PPED AIRTIGHT WITH WITH HEAVY POLYETHYLENE PLASTIC. AFTER THE TALLATION OF DUCTWORK, REGISTERS, GRILLES, AND DIFFUSERS, THE NTRACTOR SHALL BLANK OFF ALL REGISTERS, GRILLES, AND DIFFUSERS WITH AVY POLYETHYLENE PLASTIC AND TAPE AIR TIGHT, IN AREAS THAT ARE DER CONSTRUCTION, UNTIL WORK IS COMPLETE IN THOSE AREAS. FLOOR GISTERS AND GRILLES SHALL ALSO BE COVERED WITH 1/8" MASONITE.

EN GENERAL CONSTRUCTION IS COMPLETE, VACUUM CLEAN ALL DIFFUSERS, GISTERS, GRILLES, AND HVAC EQUIPMENT IN THE PROJECT AREA OR SERVING E PROJECT AREA. REMOVE ANY CONSTRUCTION DEBRIS. REPLACE ALL AIR TERS WITH NEW.

E OWNER'S PERMANENT HVAC EQUIPMENT SHALL NOT BE USED BY ANY NTRACTOR DURING CONSTRUCTION FOR TEMPORARY HEATING, COOLING, OR NTILATION. IF TEMPORARY HEATING, COOLING, OR VENTILATION IS REQUIRED ANY POINT DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE IPORARY HEATING, COOLING, OR VENTILATION EQUIPMENT, DUCTWORK, NTROLS, AND POWER AT HIS OWN EXPENSE.

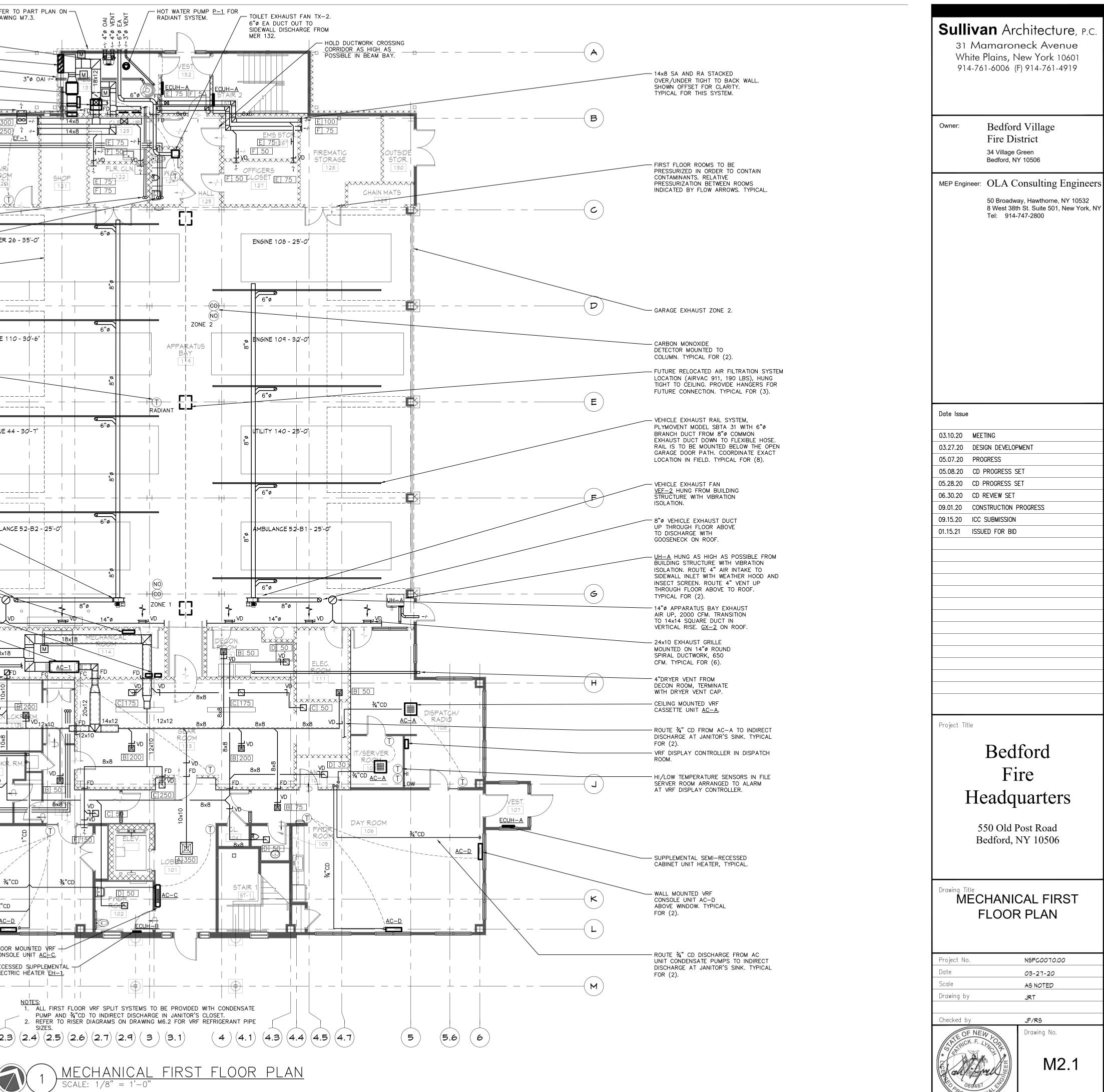
CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY TILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE FORMED, AS REQUIRED BY OSHA.

MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND ING FOR ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.

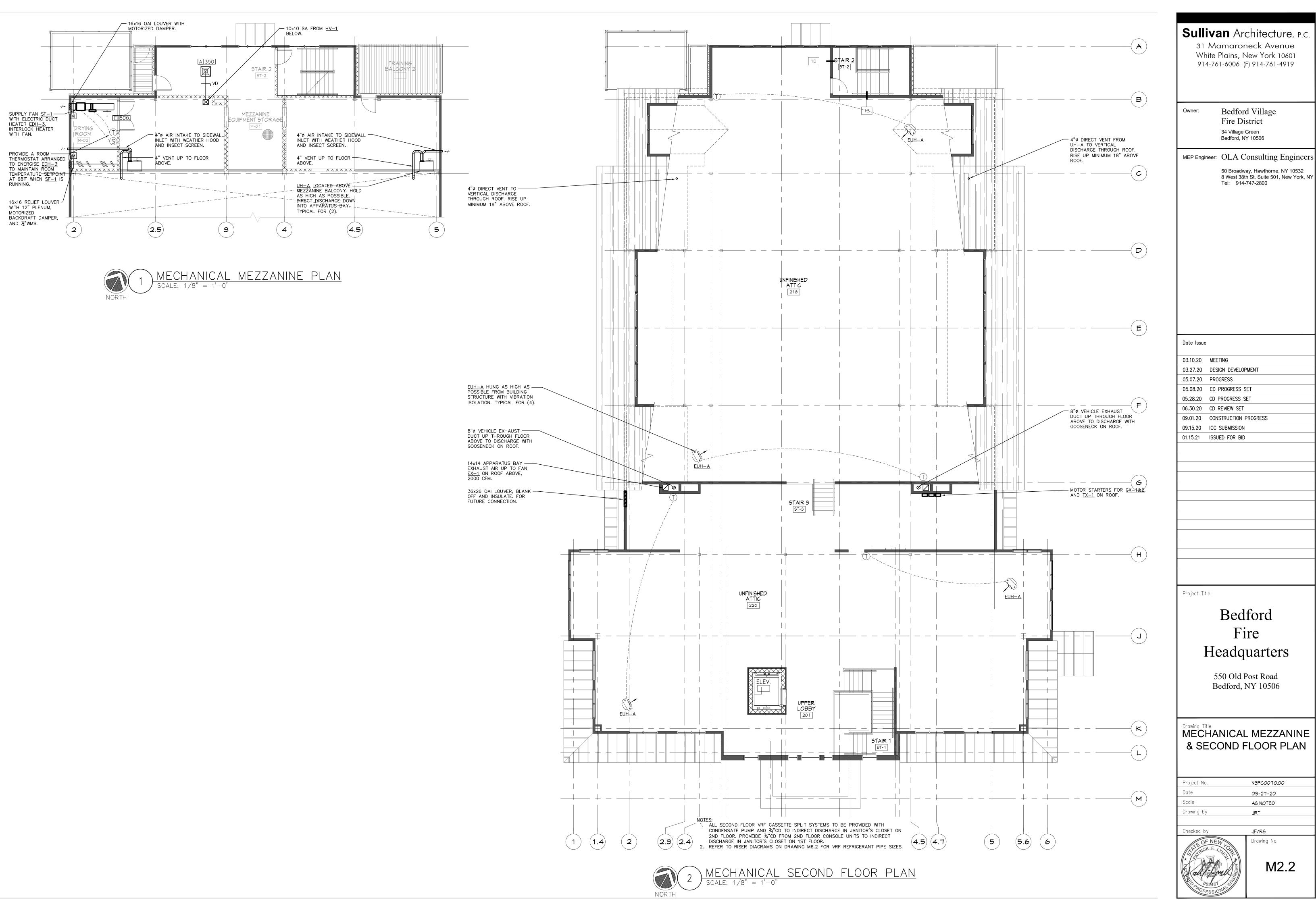
DUCTWORK SHALL BE PRESSURE TESTED AND INSPECTED PRIOR TO NCEALMENT IN GENERAL CONSTRUCTION OR INSTALLATION OF HUNG CEILINGS.

		<b>chitecture</b> , p.c. neck Avenue
White	Plains, №	New York 10601 F) 914-761-4919
Owner:		d Village
	Fire Di 34 Village Bedford, N	Green
MEP Engineer:	OLA C	onsulting Engineer
	8 West 38t	ay, Hawthorne, NY 10532 h St. Suite 501, New York, N
	Tel: 914-	747-2800
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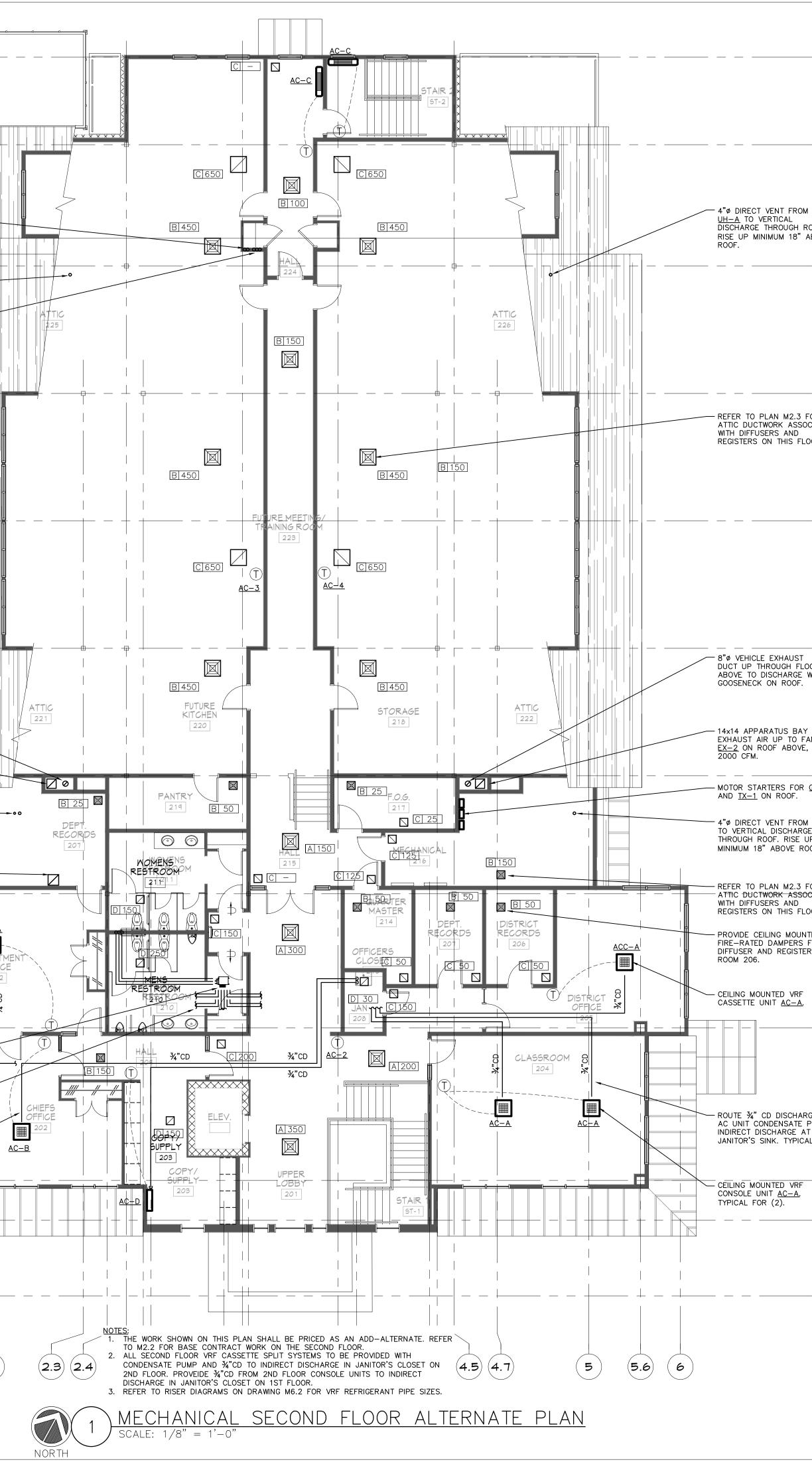
PROPANE-FIRED CONDENSING HOT WATER			REF DRA
36x60 OUTSIDE AIR INTAKE LOUVER PROVIDE 3" AIR INLET AND 3" DIRECT			
VENT FOR DOMESTIC HOT WATER HEATER. GS-1&2 AND EDH-1&2 WITH			
FD TO SHOP 121. HV-1, H&V UNIT TO SERVE			
APPARATUS BAY SUPPORT ROOMS VENTILATION/MAKEUP AIR.	Al	DD-ALTERNATE	
<u>EF-1</u> LOCATED 36"AFF WITH BACKDRAFT DAMPER ────────────────────────────────────			
RADIANT HEAT CONTROL MANIFOLDS. REFER			F 2
ACC-2 ON 6" EQUIPMENT PAD (60"x48", REFER TO CIVIL			
%"RL, ¾RS, AND %HG DOWN TO ACC-1. SEAL PENETRATION THROUGH		┶╴╴╴╹║ ╹	AC-D RO
WALL WATERTIGHT. CONDENSING UNIT <u>ACC-3</u> LOCATED OUTSIDE ON 6" CONCRETE EQUIPMENT PAD (114"x48",			<b>-</b> ≁-
REFER TO CIVIL DRAWINGS FOR DETAILS).			
34x34 RELIEF LOUVER WITH MOTORIZED DAMPER			
(2) ¾"CD PIPES FROM			TANKE
INDIRECT DISCHARGE AT FLOOR DRAIN IN MER BELOW.			
REFRIGERANT LINES FROM <u>ACC-3</u> UP TO ATTIC.			
OVERHEAD GARAGE DOOR AREA.			<u> </u>
RADIANT HEAT SPACE			ENGINE
LOCKING TAMPERPROOF TYPE.			
GARAGE EXHAUST ZONE 1.			
VEHICLE EXHAUST FAN <u>VEF-1</u> HUNG FROM BUILDING STRUCTURE WITH VIBRATION			
ISOLATION. 8"ø VEHICLE EXHAUST DUCT —			RESCU
UP THROUGH FLOOR ABOVE TO DISCHARGE WITH GOOSENECK ON ROOF.			
14"Ø APPARATUS BAY EXHAUST AIR UP, 2000 CFM. TRANSITION TO			
14x14 SQUARE DUCT IN VERTICAL RISE. <u>GX–1</u> ON ROOF.			
CO DETECTION CONTROL			
MOTOR STARTERS FOR			
AC-1 HUNG FROM BUILDING STRUCTURE AS HIGH AS POSSIBLE WITH VIBRATION ISOLATION. ROUTE ¾"CD FROM UNIT TO INDIRECT			
DISCHARGE AT FLOOR DRAIN IN MER.			
24x24 OUTSIDE AIR INTAKE LOUVER WITH 12" PLENUM AND MOTORIZED DAMPER.			
ACC-1 REFRIGERANT FLOW SELECTOR			
BOX. REFER TO REFRIGERANT RISER DIAGRAMS FOR DISTRIBUTION PIPE		3"ø OAI	
SIZING. ROUTE REFRIGERANT PIPING ABOVE			
UNITS. REFER TO REFRIGERANT RISER DIAGRAM FOR PIPE SIZING.			
¾"RL, ¾RS, AND %HG DOWN —			
WALL WATERTIGHT.		D 150 NIEN ≷ RESTRM	VD NE
CONDENSING UNITS LOCATED OUTSIDE			0×10
(114"x48", REFER TO CIVIL DRAWINGS FOR DETAILS).			10×1
4"DRYER VENT FROM STACKED			
ALL DUCTWORK DOWNSTREAM			
ALUMINUM. TYPICAL. DD-ALTERNATE		118     D 100     D     10     10	
CONDENSING UNIT LOCATED OUTSIDE ON 6" CONCRETE EQUIPMENT PAD (60"x48", REFER			
TO CIVIL DRAWINGS FOR DETAILS).			↓ E 175
ACC-2. SEAL PENETRATIONS THROUGH WALL WATERTIGHT. ROUTE ABOVE CEILING TO PLUMBING CHASE ON	-		
FLOOR ABOVE AND RISE UP.	AC-D	EXERCI	
WALL MOUNTED VRF UNIT		103	
AC-D TYPICAL FOR (3)	T		3/4
AC-D TYPICAL FOR (3).			
ROUTE ¾" CD DISCHARGE FROM			
ROUTE ¾" CD DISCHARGE FROM AC UNIT CONDENSATE PUMPS TO INDIRECT DISCHARGE AT WASHER/DRYER WALLBOX.			fL(
ROUTE ¾" CD DISCHARGE FROM AC UNIT CONDENSATE PUMPS TO INDIRECT DISCHARGE AT WASHER/DRYER WALLBOX.			FLC CO REI
AC-D TYPICAL FOR (3). ROUTE ¾" CD DISCHARGE FROM AC UNIT CONDENSATE PUMPS TO INDIRECT DISCHARGE AT WASHER/DRYER WALLBOX. TYPICAL FOR (4).			FLC CO REI
ROUTE ¾" CD DISCHARGE FROM AC UNIT CONDENSATE PUMPS TO INDIRECT DISCHARGE AT WASHER/DRYER WALLBOX.			
ROUTE ¾" CD DISCHARGE FROM AC UNIT CONDENSATE PUMPS TO INDIRECT DISCHARGE AT WASHER/DRYER WALLBOX.			FLC CO REI



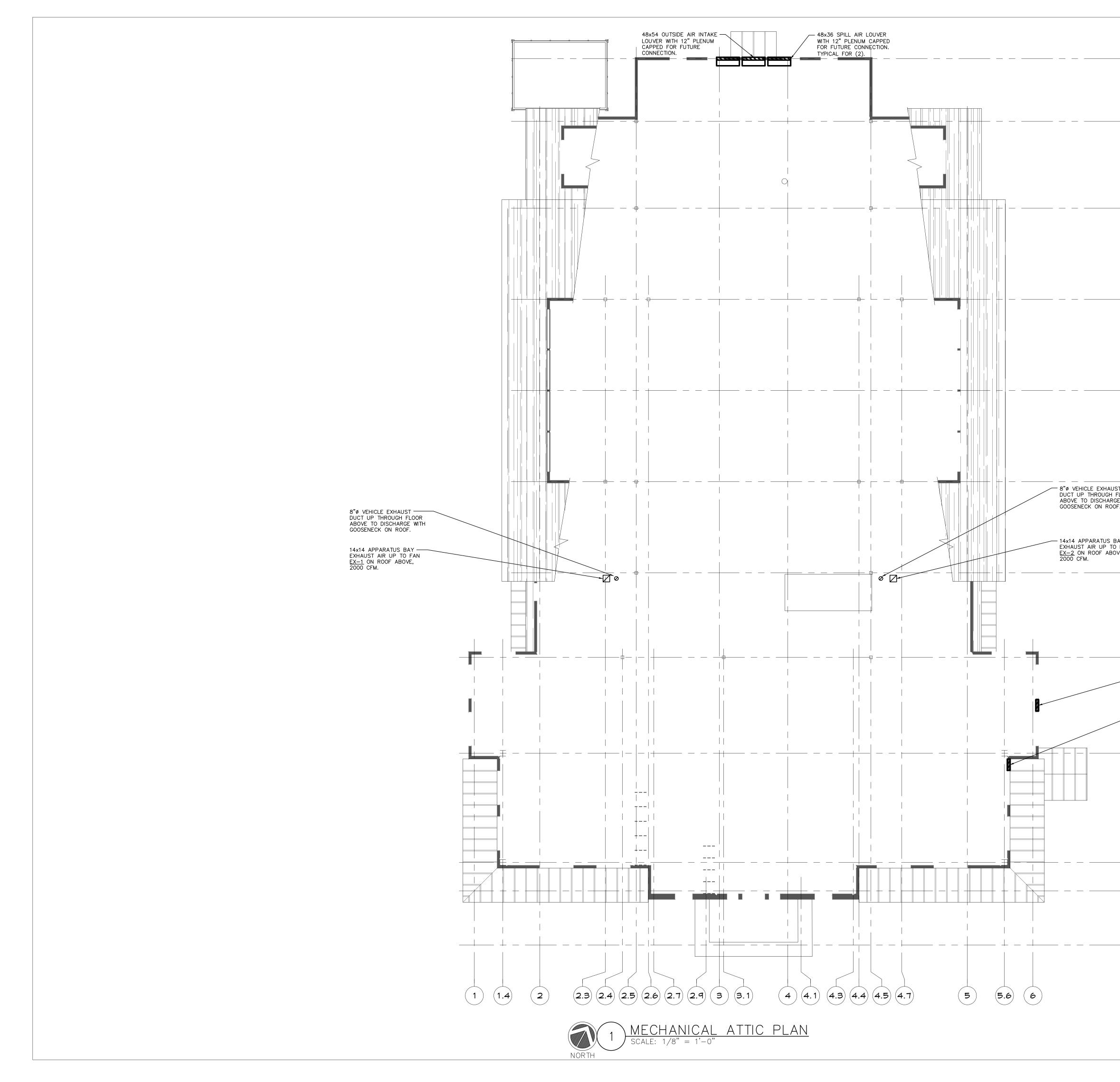
NORTH



(2) 1"CD PIPES FROM — <u>AC-3&4</u> ABOVE. ROUTE TO INDIRECT DISCHARGE AT FLOOR DRAIN IN MER BELOW. ╵┽┼╫╴╫╌║╵╫╌║╶╫┼ 4"ø DIRECT VENT TO ----VERTICAL DISCHARGE THROUGH ROOF. RISE UP MINIMUM 18" ABOVE ROOF. REFRIGERANT PIPES UP&DN -IN WALL FROM ACC-3. 8"ø VEHICLE EXHAUST -----DUCT UP THROUGH FLOOR ABOVE TO DISCHARGE WITH GOOSENECK ON ROOF. 14x14 APPARATUS BAY —— EXHAUST AIR UP TO FAN <u>EX-1</u> ON ROOF ABOVE, 2000 CFM. 36x26 OAI LOUVER, BLANK — OFF AND INSULATE. FOR FUTURE CONNECTION. 4"ø DIRECT VENT FROM <u>UH-A</u>-AND 3"Ø VENT FROM DHWH-1 TO VERTICAL DISCHARGE THROUGH ROOF. RISE UP MINIMUM 18" ABOVE ROOF. 14x14 UP TO FAN <u>TX–1</u> ON – ROOF ABOVE. 10x10 EA DOWN TO FLOOR BELOW. <u>AC-A</u> CEILING MOUNTED VRF -CASSETTE UNIT <u>AC-A</u>. ACC-2 REFRIGERANT FLOW SELECTOR — BOX. REFER TO REFRIGERANT RISER DIAGRAMS FOR DISTRIBUTION PIPE SIZING. ROUTE REFRIGERANT PIPING ABOVE -CEILING TO ASSOCIATED INDOOR AC UNITS. REFER TO REFRIGERANT RISER DIAGRAM FOR PIPE SIZING. JANITOR'S SINK. TYPICAL FOR (3). \_\_\_\_\_ (2) 1) (1.4)  $\searrow$  $\searrow$ 

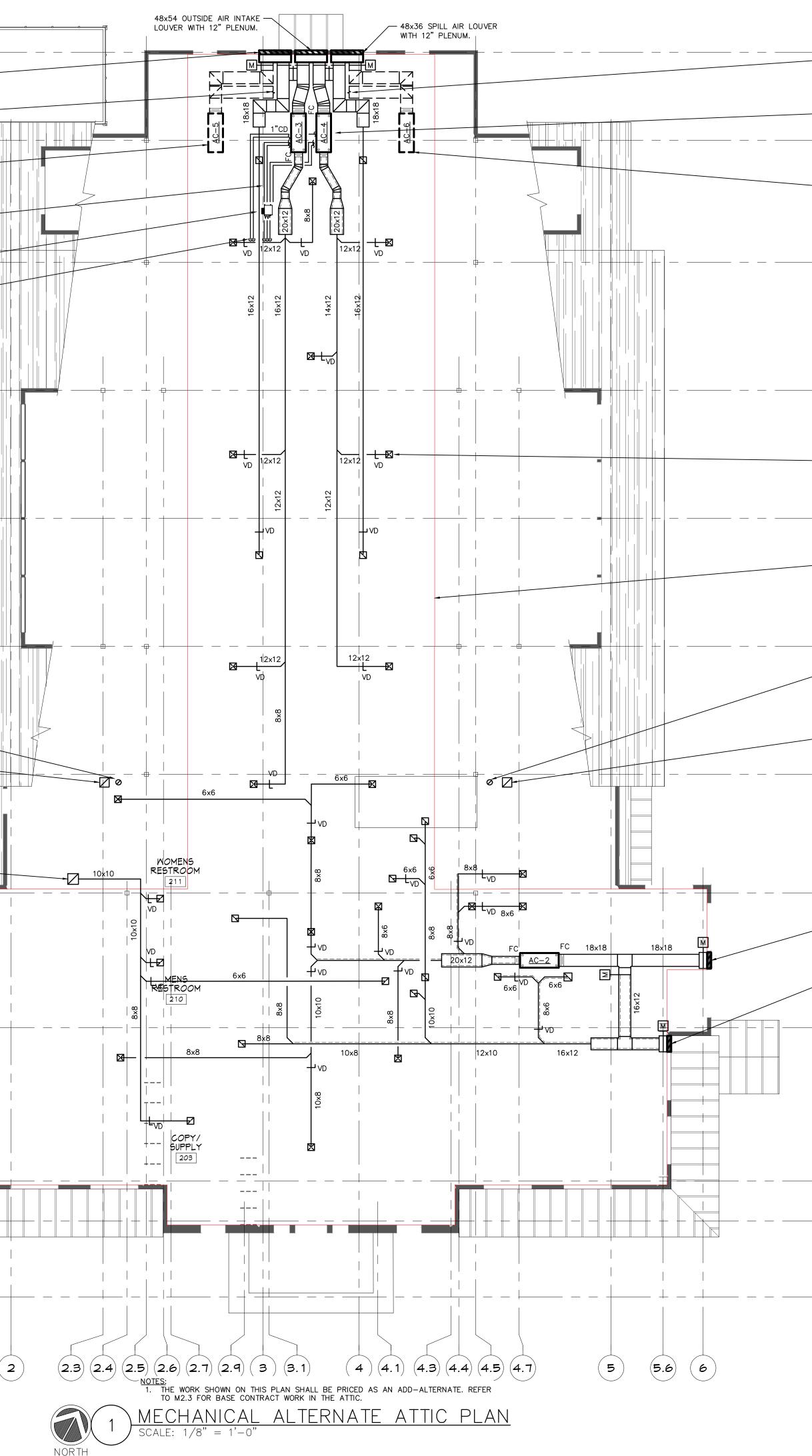


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B		Bedford Village Fire District 34 Village Green Bedford, NY 10506			
DOF. BOVE		OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800			
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E	Date Issue				
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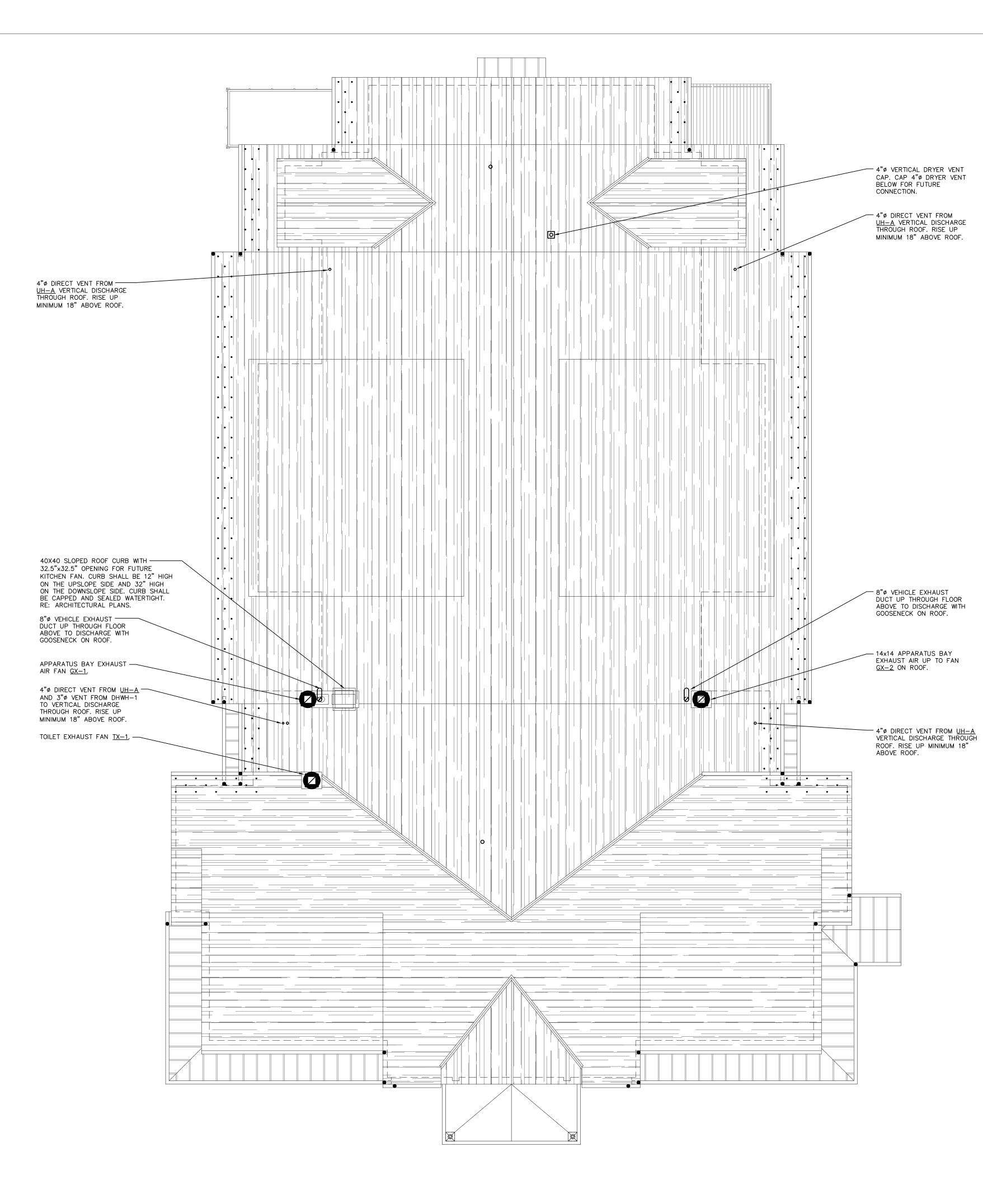


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H 24x24 OUTSIDE AIR INTAKE LOUVER WITH 12" PLENUM CAPPED FOR FUTURE CONNECTION.	
24x24 SPILL AIR LOUVER WITH 12" PLENUM CAPPED FOR FUTURE CONNECTION.	Project Title Bedford
	Fire Headquarters 550 Old Post Road Bedford, NY 10506
— к — L	Drawing Title MECHANICAL ATTIC PLAN
M	Project No.       NSPC0070.00         Date       03-27-20         Scale       AS NOTED         Drawing by       JRT         Checked by         JF/RS         Drawing No.
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20 I'CD PIPES FROM AC-384 DN ROUTE TO NORECT DISCHARGE AT FLOOR DEAM IN IST FLOOR MER. DUCT UP THEOLOGY FLOOR CODENECS ON ROOF. THAT APPARTUS BY REVOLUTION ROOF ABOVE.	
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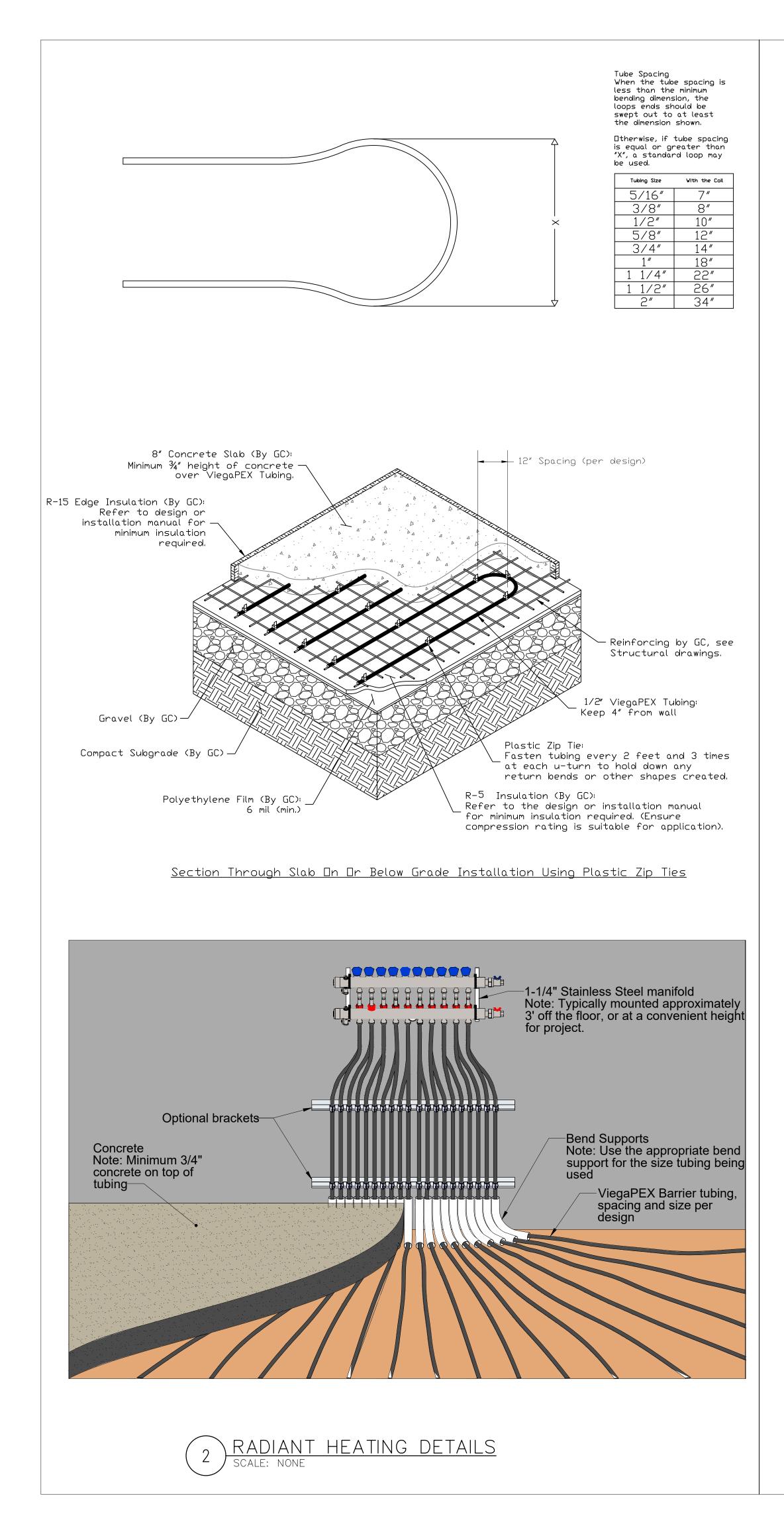


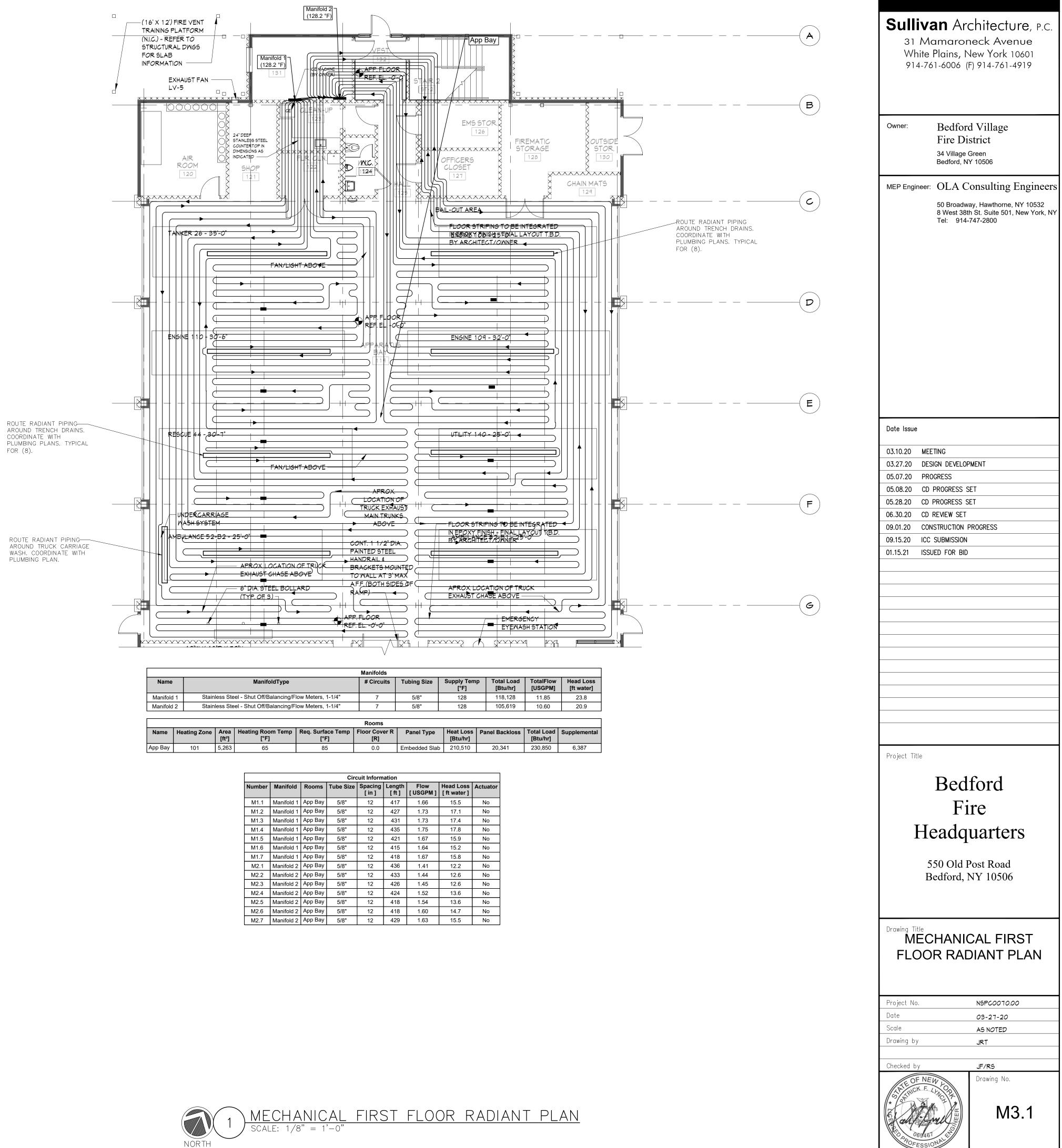
ADD/ALT #1 - 18x18 OUTS INTAKE DUCT TO OUTSIDE / PROVIDE MOTORIZED DAMPE	AIR PLENUM. VV hite Plains, New York 10601
PLENUM CONNECTION. <u>AC-4</u> IN ATTIC, HUNG FROM WITH VIBRATION ISOLATION.	DM STRUCTURE
B FLEXIBLE CONNECTIONS AT OUTLET. TYPICAL FOR <u>AC-</u> ; ADD/ALT #1 - INSTALL <u>AC</u> ASSOCIATED DUCTWORK TO	-3. Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
IN FUTURE RENOVATION OF FLOOR.	MEP Engineer: OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800
DUCT DOWN TO DIFFUSER OF FLOOR BELOW. REFER TO DRAWING M2.2. TYPICAL.	ON
APPROXIMATE LINE OF USABLE ATTIC FLOOR.	Date Issue 03.10.20 MEETING 03.27.20 DESIGN DEVELOPMENT 05.07.20 PROGRESS
F 8"Ø VEHICLE EXHAUST DUCT UP THROUGH FLOOR ABOVE TO DISCHARGE WITH GOOSENECK ON ROOF.	
14x14 APPARATUS BAY EXHAUST AIR UP TO FAN <u>EX-2</u> ON ROOF ABOVE, 2000 CFM.	
H 24x24 OUTSIDE AIR INTAKE LOUVER WITH 12" PLENUM	
AND MOTORIZED DAMPER. 24x24 SPILL AIR LOUVER WITH 12" PLENUM AND MOTORIZED DAMPER.	Project Title Bedford
	Fire Headquarters 550 Old Post Road Bedford, NY 10506
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( <b>M</b> )	Project No.NSPC0070.00Date03-27-20ScaleAS NOTEDDrawing byJRT
	Checked by JF/RS Drawing No. M2.3A ©2020 Sullivan Architecture





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	Manifolds									
	Name			ManifoldType		# Circuits	Tubing Size	Supply Tem [°F]	p Total Load [Btu/hr]	
	Manifold	I 1 Stain	less Ste	el - Shut Off/Balancing/F	low Meters, 1-1/4"	7	5/8"	128	118,128	
	Manifold	2 Stain	less Ste	el - Shut Off/Balancing/F	low Meters, 1-1/4"	7	5/8"	128	105,619	Τ
i										
						Rooms				
	Name	Heating Zone	Area [ft²]	Heating Room Temp [°F]	Req. Surface Temp [°F]	Floor Cover R [R]	Panel Type	Heat Loss [Btu/hr]	Panel Backloss	Т
	App Bay	101	5,263	65	85	0.0	Embedded Slab	210,510	20,341	

			Circ	uit Inform	ation			
Number	Manifold	Rooms	Tube Size	Spacing [ in ]	Length [ft]	Flow [USGPM]	Head Loss [ft water]	Actuator
M1.1	Manifold 1	App Bay	5/8"	12	417	1.66	15.5	No
M1.2	Manifold 1	Арр Вау	5/8"	12	427	1.73	17.1	No
M1.3	Manifold 1	App Bay	5/8"	12	431	1.73	17.4	No
M1.4	Manifold 1	App Bay	5/8"	12	435	1.75	17.8	No
M1.5	Manifold 1	App Bay	5/8"	12	421	1.67	15.9	No
M1.6	Manifold 1	App Bay	5/8"	12	415	1.64	15.2	No
M1.7	Manifold 1	App Bay	5/8"	12	418	1.67	15.8	No
M2.1	Manifold 2	App Bay	5/8"	12	436	1.41	12.2	No
M2.2	Manifold 2	App Bay	5/8"	12	433	1.44	12.6	No
M2.3	Manifold 2	App Bay	5/8"	12	426	1.45	12.6	No
M2.4	Manifold 2	App Bay	5/8"	12	424	1.52	13.6	No
M2.5	Manifold 2	App Bay	5/8"	12	418	1.54	13.6	No
M2.6	Manifold 2	App Bay	5/8"	12	418	1.60	14.7	No
M2.7	Manifold 2	App Bay	5/8"	12	429	1.63	15.5	No

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			FAN SCHE	DULE			
DESIGNATION	TX-1	TX-2	GX-1&2	GS-1&2	VEF-1&2	SF-1	EF-1
LOCATION	ROOF	WC 124	ROOF	MER 131	APPARATUS BAY	DRYING ROOM	AIR ROOM
AREA SERVED	TOILET ROOMS	WC 124	APPARATUS BAY	APPARATUS BAY	VEHICLE EXHAUST	DRYING ROOM	AIR ROOM
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	PLYMOVENT	GREENHECK	GREENHECK
MODEL	GB-141HP	SP-B70	GB-141	BSQ-140	TEV-3110	SQ-90-G	SS1-16-436-A
WEIGHT (LBS)	64				40.5	49	63
FAN TYPE	GETRIFUGAL	CENTRIFUGAL	GETRIFUGAL	INLINE GETRIFUGAL	CENTRIFUGAL	INLINE CENTRIFUGAL	SIDEWALL
DRIVE TYPE	BELT	DIRECT	BELT	BELT	DIRECT	DIRECT	DIRECT
CFM	1210	50	2000	2000	2000	200	3200
BHP	.38	.01	.76	.6	2.75	.04	0.79
HP	.5	16 WATTS	1	.75	3	1/25	1
RPM	1508	675	1483	1364	3460	1300	1,750
SP (IN H <sub>2</sub> O)	1	.25	1	.75	3.2	0.25	0.5
VOLTS/Ø/Hz	208/1/60	120/1/60	208/3/60	208/1/60	208/3/60	120/1/60	208/1/60
STARTER TYPE	НОА	НОА	VFD	VFD	VFD	НОА	НОА
STARTER LOCATION	MER 216	MER 131	MER 216	STORAGE 129	MER 114	DRYING ROOM	AIR ROOM

. ALL MOTORS 1 HP OR GREATER SHALL BE PREMIUM EFFICIENCY.

2. ALL MOTORS FURNISHED WITH VARIABLE FREQUENCY DRIVES SHALL BE INVERTER DUTY RATED & APPROVED FOR VARIABLE SPEED AND TORQUE APPLICATIONS.

3. FURNISH RUBBER IN SHEAR OR SPRING VIBRATION ISOLATORS AS PER THE SPECIFICATION. 4. FURNISH WALL MOUNTED SPEED CONTROLLER OR THERMOSTAT AS INDICATED ON PLAN.

5. FURNISH MOTOR AND BELT GUARDS FOR ALL EXTERNAL MOTOR DRIVES.

3. MOTOR STARTER AND DISCONNECT SWITCH FOR EACH FAN SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. EACH ROOFTOP FAN SHALL BE FURNISHED WITH WEATHERPROOF UNIT-MOUNTED LOCAL DISCONNECT SWITCH. 7. ALL TX AND EX FANS SHALL HAVE ECM MOTORS.

3. FOR EF—1 PROVIDE WALL HOUSING MOUNTING OPTION WITH BACKDRAFT DAMPER AND WEATHER HOOD WITH eta"WMS.

	DI	FFUSER, RE	GISTER, GRI	LLE SCHEDU	JLE	
ID	А	В	С	D	E	F
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS
DESIGNATION	CD	CD	RR	ER	SR	RR
MODEL	OMNI-AA	TDC	355FL	355FL	300FL	355FL
SIZE	24x24	12x12	24x24 OR 12x12	8x8	12x8	12x8
TYPE	CEILING SUPPLY	CEILIGN SUPPLY	CEILING RETURN	EXHAUST	SIDEWALL SUPPLY	SIDEWALL RETURN
DESCRIPTION	ALL-ALUMINUM PLAQUE FACE DIFFUSER FOR USE IN ARCHITECTURAL CEILINGS.	STEEL CONSTRUCTION, 4-WAY DIFFUSER	ALUMINUM CONSTRUCTION, WITH ½" SPACING, 35° FIXED DEFLECTION AIRFOIL BLADES.	ALUMINUM CONSTRUCTION, WITH ½" SPACING, 35° FIXED DEFLECTION AIRFOIL BLADES.	ALUMINUM CONSTRUCTION, WITH ¾" SPACING, DOUBLE DEFLECTION SUPPLY GRILLE.	ALUMINUM CONSTRUCTION, WITH ½" SPACING, 35° FIXED DEFLECTION AIRFOIL BLADES.
NOTES	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5	1,2,3,4	1,2,3,4,5	1,2,3,4,5

BAKED ENAMEL FINISH: COORDINATE COLOR WITH ARCHITECT. PROVIDE OPPOSED BLADE VOLUME DAMPER IN NECK.

COORDINATE MOUNTING FRAME WITH CEILING/WALL CONSTRUCTION & PROVIDE SURFACE LAY-IN AS REQUIRED. 4. NOISE CRITERION SHALL BE KEPT <30 NC. 5. NECK SIZE SHALL BE ACCORDING TO NECK SCHEDULE.

NECK SCHEDULE: 6"ø | 75 – 195 CFM 8"ø | 196 - 310 CFM

311	—	435	CFM
436	—	600	CFM
601	—	750	CFM
751	—	850	CFM
	436 601	436 -   601 -	311 - 435   436 - 600   601 - 750   751 - 850

# EQUIPMENT NOTES

- 13. RECESSED ELECTRIC CABINET UNIT HEATER (ECUH-B): SHALL BE INDEECO MODEL WRI, CATALOG NUMBER 930U00750V RATED AT 563 WATTS. 208V/1PH/60HZ, 2.9 AMPS, 40 CFM. PROVIDE DISCONNECT SWITCH AND ADJUSTABLE THERMOSTAT WITH OFF POSITION. SUBMIT COLOR CHART FOR ARCHITECTURAL APPROVAL.
- 14. <u>ELECTRIC DUCT HEATER EDH-1&2</u>: SHALL BE GREENHECK MODEL IDHC, 32 KW, 208V/3¢/60HZ, 90 FLA, 2000 CFM, 50° AIR TEMP RISE. FURNISH THE FOLLOWING CONTROL OPTIONS: SCR CONTROL, DISCONNECT SWITCH, FAN INTERLOCK WITH GS-1, DUCT THERMOSTAT ARRANGED TO PROVIDE 60°F AIR. INTERLOCK WITH FAN <u>GS-1</u> SO THAT HEATER ONLY OPERATES WHILE FAN <u>GS-1</u> IS RUNNING, AS NECESSARY TO MAINTAIN AIR DISCHARGE TEMPERATURE MINIMUM OF 50°F.
- 15. ELECTRIC DUCT HEATER EDH-3: SHALL BE GREENHECK MODEL IDHC, 5 KW,  $208V/3\phi/60HZ$ , 14 FLA, 200 CFM, 80° AIR TEMP RISE. FURNISH THE FOLLOWING CONTROL OPTIONS: SCR CONTROL, DISCONNECT SWITCH, FAN INTERLOCK WITH <u>SF-1</u>, DUCT THERMOSTAT ARRANGED TO PROVIDE 60°F AIR. INTERLOCK WITH FAN SF-1 SO THAT HEATER ONLY OPERATES WHILE FAN <u>SF-1</u> IS RUNNING, AS NECESSARY TO MAINTAIN AIR DISCHARGE TEMPERATURE MINIMUM OF 80°F.
- 16. HORIZONTAL DISCHARGE HOT WATER UNIT HEATER (HWUH–A): SHALL BE VULCAN MODEL HV-118A, HORIZONTAL DISCHARGE CONFIGURATION, RATED AT 9.2 MBH, 1.9 GPM, 140°F EWT, 120°F LWT, 2.2' WPD (FT H₂O), 500 CFM. MOTOR SHALL BE RATED AT 16 WATTS, 1550 RPM, 0.8 AMPS, 1.0 MCA, 15 MOCP, 115V/10/60HZ. PROVIDE WALL THERMOSTAT, FAN GUARD, AND AIR DEFLECTION LOUVER. HANG UNIT FROM BUILDING STRUCTURE WITH VIBRATION ISOLATORS. FURNISH DISCONNECT SWITCH.
- 17. <u>HOT</u> <u>WATER</u> <u>EXPANSION</u> <u>TANK</u> <u>(ET-1):</u> SHALL BE AMTROL MODEL AX-15V-DD, 12" DIAMETER, 22" HIGH, 8 GALLONS, WITH 3/4" NPT SYSTEM CONNECTION, 3/4" NPT CHARGING VALVE, 3/4" DRAIN PLUG, 240°F MAX OPERATING TEMPERATURE, 125 PSI MAX WORKING PRESSURE. FACTORY PRE-CHARGED TO 12 PSIG. UNIT SHALL BE MANUFACTURED IN ACCORDANCE WITH ASME SECTION VIII.
- 18. CO & NO, DETECTION SYSTEM: SHALL BE SIERRA MONITOR CORPORATION. PROVIDE SENTRY 5000-IT CONTROLLERS (SEE PLANS FOR LOCATION) WITH NATIVE BACNET INPUT/OUTPUT. CONTROL PANELS SHALL BE LINKED TO BMS. ALL SPACE TRANSMITTERS SHALL BE MOUNTED 5'-0" AFF IN A PROTECTED LOCATION. PROVIDE LIGHT/HORN STROBE AS INDICATED ON PLAN TO BE ENERGIZED UPON LEVEL "HIGH HIGH" ALARM. PROVIDE SIGNAGE "CO & NO2 DETECTION" NEAR HORN STROBE
  - CO TRANSMITTERS SHALL BE 5100-04-IT-S1-01-00-0-0-C • NO<sub>2</sub> TRANSMITTERS SHALL BE 5100-12-IT-S1-01-00-0-0-C
- 19. VEHICLE EXHAUST RAIL SYSTEM: SHALL BE BASED ON PLYMOVENT EXHAUST RAIL SYSTEM COMPOSED OF (8) VSRX RAILS MOUNTED BELOW THE OPEN GARAGE DOOR PATH & LENGTH NOTED ON PLAN, (8) FLEXIBLE HOSES WITH TROLLEY FOR MOUNTING TO RAIL. 6" 40' LONG HOSES CAPABLE OF 600°F CONTINUOUS & 1250°F INTERMITTENT. 400°F TEMPERATURE RESISTANCE ON ALL COMPONENTS. FANS (VX-1&2) SHALL BE TEV-3110 AS NOTED IN SCHEDULE ON THIS PLAN. PROVIDE VFD FOR FAN MOTOR. PROVIDE (2) NTX NEMA 4X WALL MOUNT TRANSMITTERS WITH 433 MHz RCRC-3R RECEIVER MOUNTED TO FAN VFD. PROVIDE ALL SUPPORTS AND HANGERS AS REQUIRED. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR DETAILS. COORDINATE WITH ALL PIPING, EQUIPMENT, GARAGE DOORS, ETC IN APPARATUS BAY.
- 20. <u>HEAVY DUTY LOUVERS</u>: SHALL BE RUSKIN MODEL L26, 6" DEEP, WITH 47% FREE AREA, OPTIONAL 16 GAGE STEEL CONSTRUCTION, CHEVRON STYLE BLADES AT 3-1/2" SPACING, 6" DEEP STEEL FRAME. REFER TO PLANS FOR SIZE. COORDINATE INSTALLATION REQUIREMENTS WITH ARCHITECTURAL PLANS. ANODIZED CUSTOM COLOR TO BE SELECTED BY ARCHITECT. COORDINATE WITH ARCHITECTURAL PLANS.
- 21. ELECTRIC UNIT <u>HEATERS (EUH-A)</u>: SHALL BE MARKEL MODEL F3FUH07C03, RATED AT 575 CFM, 25.6 MBH, 7.5 kW, 208V/3¢/60Hz, 20.8 AMPS. PROVIDE THE FOLLOWING OPTIONS: FAN GUARD, AIR DEFLECTION LOUVER, SUMMER FAN SWITCH, HEAT PURGE FAN DELAY SWITCH, DISCONNECT SWITCH, & WALL THERMOSTAT.
- 22. VERTICAL DRYER VENT CAP: SHALL BE SIMILAR TO DRYERJACK MODEL 466.

C. kW: 1.5 E. AMPS: 10.8

2. LOUVERS: SHALL BE RUSKIN MODEL ELF375DX, 4" DEEP, WITH 54% FREE AREA, 6063T5 EXTRUDED ALUMINUM DRAINABLE BLADES AT 37.5° AND 5-3/32" SPACING, 4" DEEP 6063T5 EXTRUDED ALUMINUM FRAME. AND 1/2" GALVANIZED STEEL BIRD SCREEN. MINIMUM LOUVER SIZE 12"x12". ANODIZED CUSTOM COLOR TO BE SELECTED BY ARCHITECT. COORDINATE WITH ARCHITECTURAL PLANS.

GAS-FIRED UNIT HEATERS (GFUH-A): SHALL BE MODINE MODEL HDS-125, 125 MBH INPUT, 102.5 MBH OUTPUT. UNITS SHALL BE DIRECT-VENT SEPARATED COMBUSTION TYPE WITH 4"Ø FLUE OUTLET, 4"Ø AIR INLET, AND 1/2"Ø GAS CONNECTION. FAN SHALL BE 1/8 HP, 1625 RPM. ELECTRICAL REQUIREMENTS: 120V/16/60HZ. PROVIDE PROPANE CONVERSION KIT AND LOCAL DISCONNECT SWITCH. FURNISH WITH SINGLE-STAGE, DIRECT SPARK IGNITION CONTROLS, WITH 100% SHUT-OFF AND CONTINUOUS RETRY. PROVIDE ELECTRIC WALL THERMOSTAT AND CONDENSATE NEUTRALIZING KIT.

FOLLOWS:

5. <u>PRIMARY HOT WATER PUMP P-1</u>: SHALL BE ARMSTRONG MODEL 4380 0103-000.3 CLOSE COUPLED VERTICAL IN-LINE CENTRIFUGAL PUMP RATED AT 29 GPM, 25' TDH, .333 HP, 208V/1PH/60HZ, 1675 RPM. PROVIDE DISCONNECT SWITCH.

<u>CONDENSATE PUMP (CP-1):</u> SHALL BE LITTLE GIANT MODEL VCM-20ULS, RATED AT 25 GPH @ 15' HEAD, WITH 1/2 GALLON TANK, 3/8" DISCHARGE CONNECTION, & SHUT-OFF AT 20' HEAD. MOTOR SHALL 1/30 HP, 93 WATTS,  $115V/1\phi/60Hz$ , 1.5 AMPS. INCLUDE THE FOLLOWING OPTIONS: SAFETY SWITCH, 6' POWER CORD, THERMAL OVERLOAD PROTECTOR, NYLON SUMP PAN, POLYPROPYLENE CONTROL FLOAT, BUILT-IN CHECK VALVE, FILTER SCREEN, STAINLESS STEEL SHAFT, PUMP SHALL BE ARRANGED TO SHUT DOWN AC UNIT IF THE SAFETY SWITCH DETECTS NO FLOW. PROVIDE DISCONNECT SWITCH.

OUTSIDE AIR INTAKE FOR GAS FIRED EQUIPMENT: FOR ALL GAS FIRED DIRECT VENTING CONDENSING & NON-CONDENSING APPLIANCES SHALL BE SINGLE-WALL SPIRAL GALVANIZED STEEL BY SHEET METAL CONNECTORS, INC. ALL DUCTWORK IS 4-PLY SPIRAL LOCKSEAM MEETING ASTM A-653. ALL DUCT CONNECTIONS SHALL BE MADE WITH A DOUBLE LEGGED EPDM GASKET CREATING AN AIR-TIGHT CONNECTION MEETING ASTM A-653. SINGLE-WALL DUCT GUAGE SHALL BE SELECTED FOR POSITIVE, NEUTRAL, AND NEGATIVE DRAFT UP TO 15"WC WITH A MINIMUM GAUGE OF 24. PRODUCT IS RATED FOR ZERO CLEARANCE TO COMBUSTIBLES. PROVIDE STRAIGHT SECTIONS, ELBOWS, OFFSETS, CONNECTION ADAPTERS, WALL SLEEVES, AND SCREENED TERMINATIONS.

8. LISTED SPECIAL GAS VENTING FOR GAS FIRED EQUIPMENT: SHALL BE HEATFAB "SAF-T VENT CI PLUS". DOUBLE WALL CONSTRUCTION, 1" FIBERGLASS INSULATION, AL-29-4C STAINLESS STEEL. SPECIAL VENT UL 1738 FOR POSITIVE, NEUTRAL, AND NEGATIVE DRAFT UP TO 15"WC. PRODUCT IS RATED FOR ZERO CLEARANCE TO COMBUSTIBLES. PROVIDE STRAIGHT SECTIONS, ELBOWS, OFFSETS, CONNECTION ADAPTERS, WALL SLEAVES, AND SCREENED TERMINATIONS.

9. <u>AIR SEPARATOR</u>: SHALL BE ARMSTRONG MODEL 1"-ASL, 350°F MAXIMUM WORKING TEMPERATURE, 125 PSIG MAXIMUM WORKING PRESSURE, 1" INLET & OUTLET CONNECTIONS, 3/4" NPT AIR OUTLET, 3/4" NPT DRAIN. UNIT SHALL BE MANUFACTURED IN ACCORDANCE WITH ASME CODE. PROVIDE AUTOMATIC AIR ELIMINATOR, ARMSTRONG MODEL AAE-750, WITH 250°F MAXIMUM OPERATING TEMPERATURE, 2-133 PSIG AIR PRESSURE OPERATING RANGE, 100% SPRING ACTION POSITIVE SHUTOFF, 3/4" NPT SYSTEM CONNECTION.

10. <u>RADIANT MANIFOLD #1&2</u>: SHALL BE VIEGA STAINLESS STEEL MANIFOLD (PART #15906) INCLUDING 8 OUTLETS, 1" CONNECTIONS, SHUTOFFS, AND BALANCING VALVES.

11. <u>RADIANT MIXING STATION #1&2</u>: SHALL BE VIEGA HIGH HEAD MIXING STATION PART #12127, INCLUDING BALL VALVE SHUT OFF VALVES, BALANCING VALVES, 3-WAY DIVERTING OR MIXING VALVE, SENSOR WELL, STRAP ON TEMPERATURE SENSOR, TEMPERATURE AND PRESSURE GAUGE, SECONDARY 3-SPEED CIRCULATOR PUMP (HWCP-1&2) RATED AT 12 GPM @ 22' HEAD, 120V/1ø/60Hz.

12. APPARATUS BAY DUCT-MOUNTED EXHAUST GRILLE: SHALL BE TITUS MODEL US-DL SPIRAL DUCT DRUM LOUVER, ALUMINUM CONSTRUCTION, OPPOSED BLADE VOLUME DAMPER OPTION AG-15-HD, 24x10, CFM AS NOTED ON PLANS. FINISH SHALL BE BAKED ON ENAMEL. SUBMIT COLOR CHART TO ARCHITECT FOR APPROVAL. FRAME SHALL BE SUITABLE SURFACE MOUNTING ON ROUND SPIRAL DUCTWORK.

### EQUIPMENT NOTES

ELECTRIC CABINET UNIT HEATER (ECUH-A): UNIT SHALL BE BASED ON MARKEL MODEL F30522T2DWB RECESSED TYPE COMMERCIAL FAN FORCED WALL HEATER. BUILT IN TAMPERPROOF THERMOSTAT, THERMAL OVERLOAD CUTOFF, FAN DELAY SWITCH. UNIT SHALL BE RATED ACCORDING TO THE FOLLOWING SPECIFICATIONS: A. FAN CFM: 100

B. ELECTRIC COIL CAPACITY: 7.7 MBH

D. VOLTS/PH/HZ: 208/1/60

F. FURNISH DISCONNECT SWITCH WITH EACH UNIT.

4. <u>GAS-FIRED HOT WATER BOILER (B-1)</u>: SHALL BE WEIL MCLAIN EVG-299, STAINLESS STEEL FIRE-TUBE CONDENSING HOT WATER BOILER. RATED AS

• 299 MBH PROPANE GAS INPUT.

• 280 MBH GROSS OUTPUT. • 140°F MAXIMUM SUPPLY WATER TEMPERATURE.

• 160 PSI MAXIMUM OPERATING PRESSURE. • 208V/1Ph/60Hz

• 10-TO-1 TURNDOWN RATIO

FURNISH THE FOLLOWING FEATURES & OPTIONS:

• WALL-MOUNT KIT. BOILER DIGITAL CONTROL PACKAGE

• 1-1/2"Ø HOT WATER INLET & OUTLET CONNECTIONS.

• 1" CONDENSATE DRAIN

• 3"Ø DIRECT VENT CONNECTIONS. • CONDENSATE NEUTRALIZER KIT

SIDEWALL VENT/AIR TERMINATION KIT

 PROPANE CONVERSION KIT • BOILER CIRCULATOR - TACO 0014

• DISCONNECT SWITCH

зт М White	amaror Plains, N	<b>chitecture</b> , p.C. neck Avenue New York 10601 (F) 914-761-4919
Owner:	Bedford Fire Di 34 Village Bedford, N	Green
MEP Engineer:	50 Broadw	Consulting Engineer vay, Hawthorne, NY 10532 th St. Suite 501, New York, N -747-2800
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ROFESSIONAL

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Room	Room Name	Area	Oce	cupancy Type		C	ode		Zone	Desig	n SA	EA	Desig	in OA	Cod	e OA
No.		(sq.ft.)	Category	Туре	Pers./1000	No. of	OA CFM /	OA CFM /	Distribution	CFM	CFM /	CFM	%	CFM	CFM	CFM /
					sq.ft.	Occ.	Pers.	sq.ft.	Effectivness		sq.ft.		w/o Div.			sq.ft.
101	Lobby	317	Public Spaces	Corridors	0	0	0	0.06	0.8	350	1.1		40%	140	24	0.08
111	Electrical Room	98	storage	warehouses	0	0	0	0.06	0.8	50	0.5		40%	20	7	0.08
112	Decon Room	102	offices	office space	5	1	5	0.06	0.8	<mark>50</mark>	0.5		40%	20	14	0.14
113	Gear Room	618	storage	warehouses	0	0	0	0.06	0.8	400	0.6		40%	160	46	0.08
119	Apparatus Bay	5,300	storage	Enclosed parking garage	0	0	0	0.75	1.0	4000	0.8	4,000.0	100%	4,000	3,975	0.75
120	Air Room	198	storage	warehouses	0	0	0	0.06	0.8	300	1.5		40%	120	15	0.08
122	Floor Cleaning	64	storage	warehouses	0	0	0	0.06	0.8	75	1.2		40%	30	5	0.08
123	Clean-Up	72	storage	warehouses	0	0	0	0.06	0.8	75	1.0		40%	30	5	0.08
126	Ems Storage	87	storage	warehouses	0	0	0	0.06	0.8	75	0.9		40%	30	7	0.08
127	Officer's Closet	87	storage	warehouses	0	0	0	0.06	0.8	75	0.9		40%	30	7	0.08
128	Firematic Storage	173	storage	warehouses	0	0	0	0.06	0.8	100	0.6		40%	40	13	0.08
					Ven	tilation I	ndex									

						cond Fl										
Room	Room Name	Area	Occ	upancy Type			ode		Zone	Desig	In SA	EA	Desig	n OA	Cod	e OA
No.		(sq.ft.)	Category	Туре	Pers./1000	No. of	OA CFM /	OA CFM /	Distribution	CFM	CFM /	CFM	%	CFM	CFM	CFM /
					sq.ft.	Occ.	Pers.	sq.ft.	Effectivness		sq.ft.		w/o Div.			sq.ft.
201	Upper Lobby	867	Public Spaces	Corridors	0	0	0	0.06	0.8	850	1.0		38%	323	65	0.08
203	Copy/Supply	278	Workrooms	Copy rooms	4	2	5	0.06	0.8	150	0.5		38%	57	33	0.12
206	District Records	99	storage	warehouses	0	0	0	0.06	0.8	50	0.5		38%	19	7	0.08
213	Officer's Closet	89	storage	warehouses	0	0	0	0.06	0.8	50	0.6		38%	19	7	0.08
214	Quarter Master	99	storage	warehouses	0	0	0	0.06	0.8	50	0.5		38%	19	7	0.08
216	Mechanical Room	274	storage	warehouses	0	0	0	0.06	0.8	150	0.5		38%	57	21	0.08
217	F.O.G.	98	storage	warehouses	0	0	0	0.06	0.8	25	0.3		38%	10	7	0.08
218	Unfinished Attic	2,667	storage	warehouses	0	0	10	0.06	0.8	1350	0.5		15%	203	200	0.08
219	Hall	497	Public Spaces	Corridors	0	0	0	0.06	0.8	300	0.6		15%	45	37	0.08
220	Unfinished Attic	2,549	storage	warehouses	0	0	0	0.06	0.8	1350	0.5		15%	203	1 <mark>91</mark>	0.08
222	Hall	168	Public Spaces	Corridors	0	0	0	0.06	0.8	100	0.6		38%	38	13	0.08

Natural Ventilation Index

Room	Room Name	Area	Natural	Ventilation
No.		(sq.ft.)	Openable	%
			Area	floor area
205	District Office	333	45	13.5%
204	Classroom	485	60	12.4%
201	Upper Lobby	893	22.5	2.5%
203	copy/supply	279	7.5	2.7%
202	chiefs office	390	60	15.4%
212	department office	468	45	9.6%
108	dispatch/radio	400	52.5	13.1%
106	Day Room	762	75	9.8%
103	Wellness	600	75	12.5%
As per 20	18 IMC section 402.2, the minumum	openable area	to the outdoors sh	nall be 4% of the floor
	area b	eing ventilated.		

FAN COIL UNIT SCHEDULE						
DESIGNATION:	HV-1					
LOCATION	MER 131					
MANUFACTURER	FIRST CO.					
MODEL	16MB					
unit dimensions – width × height × depth (in)	23x42x20					
DESIGN DATA:						
SUMMER OA TEMP (°F) DB/WB	<sup>94</sup> ⁄72					
winter oa temp (°f)	10					
FILTERS:						
TYPE	1" MERV 8					
HOT WATER COIL:						
FACE AREA (SQ. FT.)						
No. OF ROWS/FINS PER INCH	2/12					
E.W.T./L.W.T. (°F)	140/110					
E.A.T./L.A.T. (°F)	44/85					
CAPACITY (MBH)	54					
GPM	3.6					
W.P.D. (FT H <sub>2</sub> O)	2					
SUPPLY FAN:						
CFM	1200					
OAI CFM	525					
FAN MOTOR HP	$\gamma_2$					
ESP (IN H <sub>2</sub> O)	0.5					
VOLTS/Ø/Hz	208/1/60					
FLA/MCA/MOCP	8/-/-					
NOTES: PROVIDE THE FOLLOWING FEATURES •UNITARY CONTROLLER BY AUTOMA COMPATIBLE WITH THE BUILDING AU •COORDINATE RIGHT-HAND/LEFT-H •KEY LOCK ACCESS DOORS. •FURNISH 2-WAY MODULATING CON AS PER DETAIL ON DRAWING M7.3. •FOR UNITS WITH OAI INLET: FREEZ VALVE & SHUT DOWN UNIT AS PER •WALL MOUNTED THERMOSTAT. •FACTORY FURNISHED LOCAL DISCO •COIL AIR VENT.	TIC TEMPERATURE CONTRO TOMATION SYSTEM. AND COIL CONNECTIONS IN ITROL VALVE FOR EACH CO 5 PSI MAX AT CONTROL N ZE STAT ARRANGED TO OVE THE SEQUENCE OF OPERA	US MANUFACTURER, I THE FIELD. DIL, WITH PIPING PACKAGE /ALVE. ERRIDE THE COIL CONTROL				

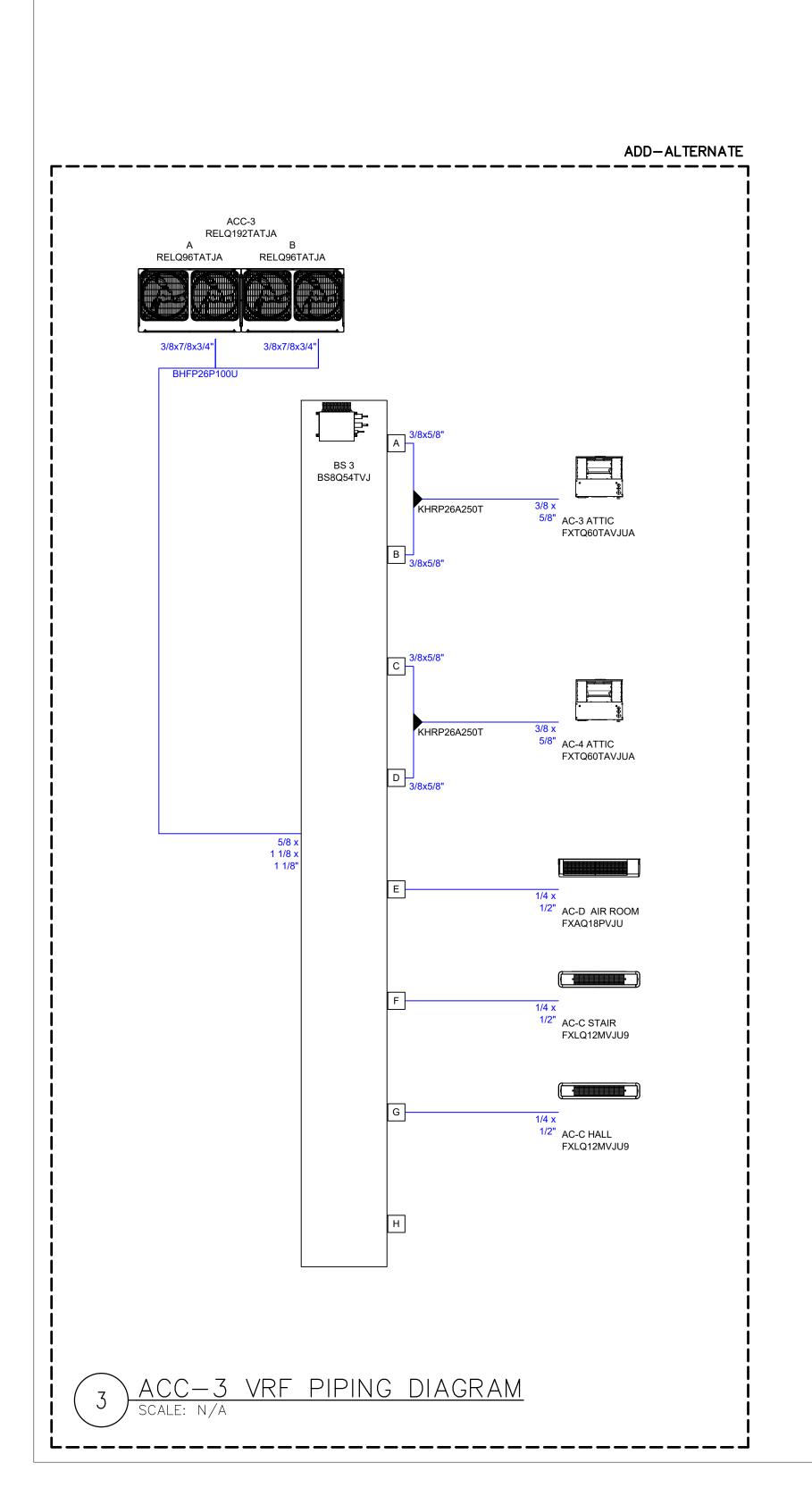
		<u>DR UNIT SC</u>	<u></u>	
	AC-1	AC-2	AC-3&4	AC-5&6
LOCATION MANUFACTURER	MER 114 DAIKIN	ATTIC DAIKIN	ATTIC DAIKIN	ATTIC DAIKIN
MODEL	FXTQ60TAVJUD	FXTQ54TAVJUD	FXTQ60TAVJUD	FXTQ36TAVJUD
WEIGHT OF UNIT (LBS)	167	167	167	150
REFRIGERANT TYPE	R-410A	R-410A	R-410A	R-410A
SUCTION PIPE SIZE (IN)	5/8	5%8	5%8	_
LIQUID PIPE SIZE (IN)	3%	3⁄8	3⁄8	_
DESIGN DATA:	4500	4500	4500	
SUPPLY AIR (CFM)	1500	1500	1500	-
OUTDOOR AIR (CFM)	600	575	225	_
RETURN AIR (CFM)	900	925	1275	
SUMMER OA TEMP (°F) DB/WB	92/74	92/74	92/74	_
SUMMER RA TEMP (°F) DB/WB	78/65	78/65	78/65	_
WINTER OA TEMP (°F)	10	10	10	-
WINTER RA TEMP (°F)	70	70	70	_
EVAPORATOR COIL (COOLING):				
E.A.T. (°F) DB/WB	<sup>80</sup> ⁄67	<sup>8</sup> %7	<sup>80</sup> ⁄67	_
L.A.T. (°F) DB/WB	55.2/55	57/53.1	55.2/55	_
CAPACITY (MBH) SENS./TOTAL	40.4/60	37.4/51.1	40.4/60	_
EVAPORATOR COIL (HEATING):		•	•	
E.A.T. (°F) DB	68	68	68	_
L.A.T. (℉) DB				_
CAPACITY (MBH) SENS./TOTAL	70.6	63.3	70.6	_
SUPPLY FAN:				
DESIGN AIRFLOW (CFM)	1500	1350		_
HP	1	1	1	_
ESP (IN H₂O)	.75	.75	.75	_
ELECTRICAL DATA:	I	μ	1	
VOLTS/Ø/Hz	208/1/60	208/1/60	208/1/60	208/1/60
MCA/MOCP (AMPS)	8.6/15	8.6/15	8.6/15	4.9/15
<u>NOTES:</u> 1. FIELD SUPPLIED LOCAL DISCONNEC MECHANICAL CONTRACTOR & INSTALL 2. UNIT SHALL INCLUDE INTERNAL CO 3. REMOTE DETECTION UNIT — TO BE 4. CONNECTOR AND CONNECTOR PRO 5. DETECTOR INSTALLATION KIT. 6. ALARM CONTACT ARRANGED TO S 7. (1) EXTRA SET OF FILTERS PER U 8. <u>AC—5&amp;6 ARE ADD/ALT #1 WORK</u>	LED BY THE ELECTRIC ONDENSATE PUMP. E FIELD INSTALLED IN DTECTOR. HUT DOWN AC UNIT UNIT.	AL CONTRACTOR. THE INDOOR AC U	NIT CASSETTE.	Y THE

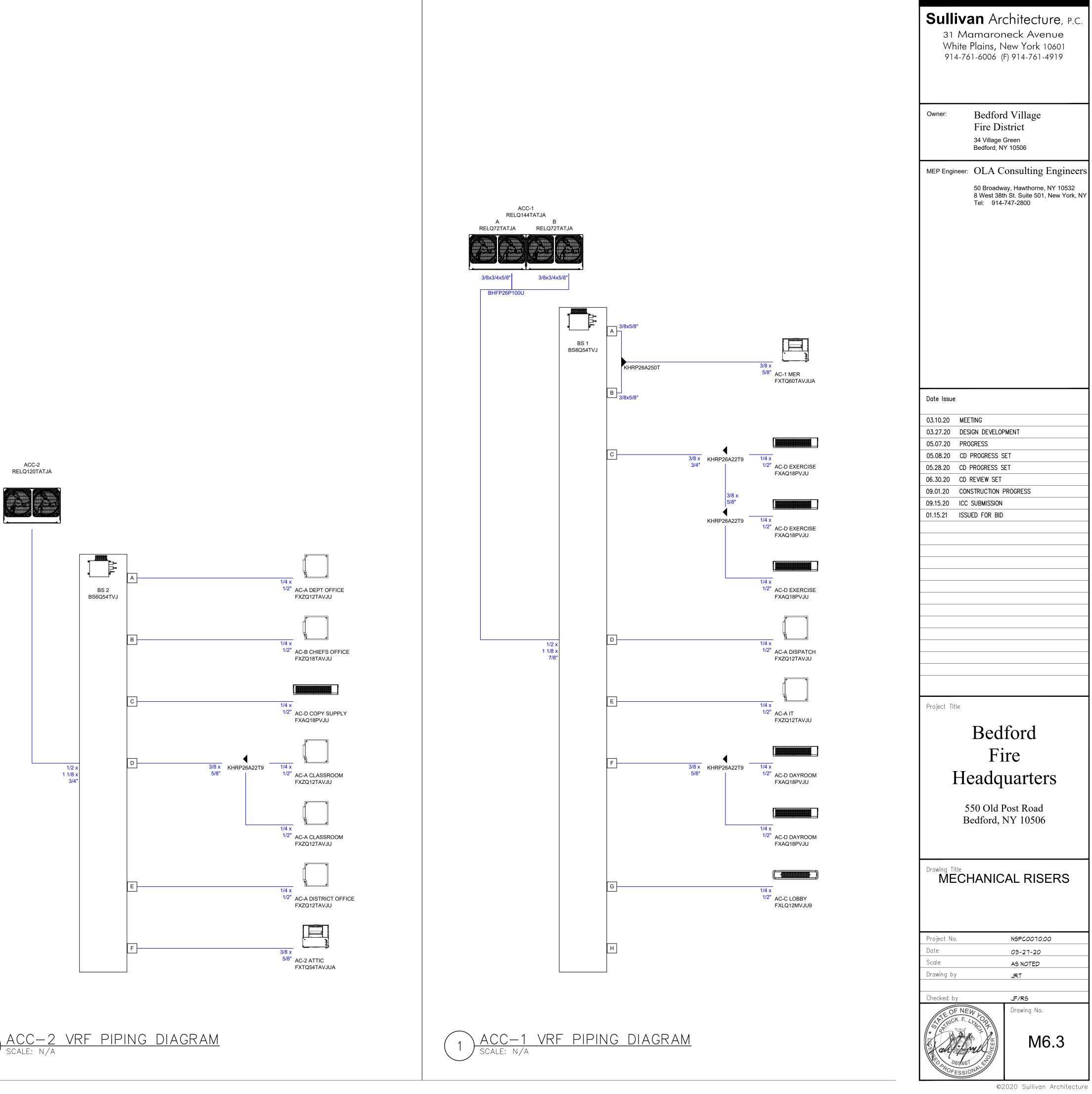
	Stem - Ind	oor unit	SCHEDUL	E
INDOOR UNIT DESIGNATION	AC-A	AC-B	AC-C	AC-D
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	FXZQ12TAVJU	FXZQ18TAVJU	FXLQ12MVJU9	FXAQ18PVJU
TYPE	CEILING CASSETTE	CEILING CASSETTE	FLOOR CONSOLE	WALL MOUNTED
COOLING CAPACITY (TOTAL)(MBH)	12,000	18,000	12,000	12,000
HEATING CAPACITY (MBH)	13,500	20,000	13,500	13,500
REFRIGERANT TYPE	R-410A	R-410A	R-410A	R-410A
LIQUID LINE (INCHES)	<i>Y</i> 4	1⁄4	1⁄4	1⁄4
HOT GAS LINE (INCHES)	1/2	1/2	1/2	1/2
CONDENSATE LINE (INCHES)	3⁄4	3⁄4	3⁄4	3⁄4
CFM	350	500	280	500
VOLTS/Ø/Hz	208/1/60	208/1/60	208/1/60	208/1/60
MCA (AMPS)	0.4	0.6	0.5	0.4
NOTES: 1. FIELD SUPPLIED LOCAL DIS THE MECHANICAL CONTRACTO 2. UNIT SHALL INCLUDE INTE 3. REMOTE DETECTION UNIT 4. CONNECTOR AND CONNEC 5. DETECTOR INSTALLATION I 6. ALARM CONTACT ARRANG	OR & INSTALLED E RNAL CONDENSAT – TO BE FIELD IN TOR PROTECTOR. <it.< td=""><td>BY THE ELECTRICA E PUMP POWERED STALLED IN THE</td><td>AL CONTRACTOR. ) THROUGH THE IN INDOOR AC UNIT (</td><td>IDOOR UNIT.</td></it.<>	BY THE ELECTRICA E PUMP POWERED STALLED IN THE	AL CONTRACTOR. ) THROUGH THE IN INDOOR AC UNIT (	IDOOR UNIT.

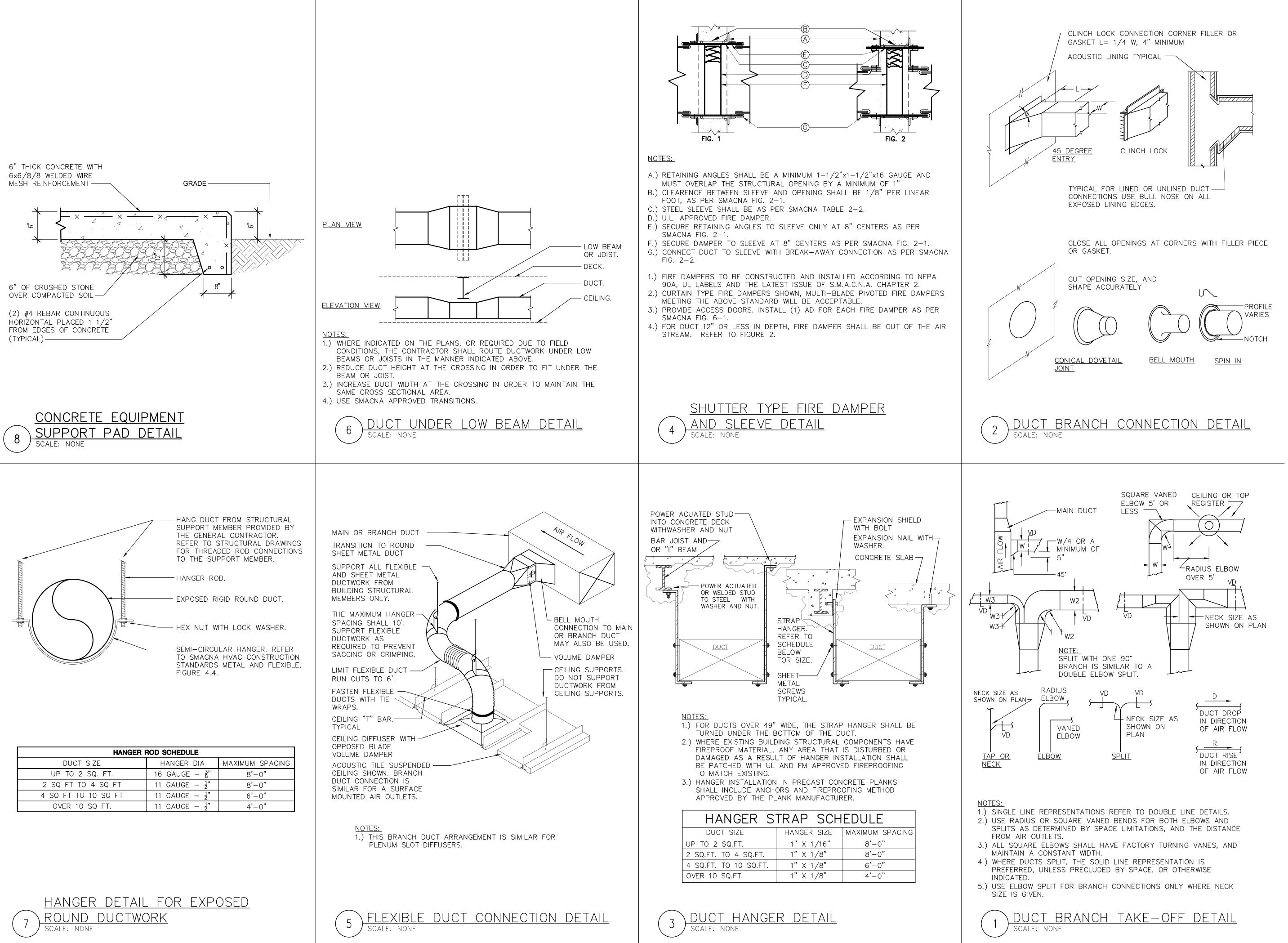
	ACC-1	ACC-2	ACC-3	ACC-4
IANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN
10DEL	RELQ144TATJU	RELQ120TATJU	RELQ192TATJU	RELQ72TATJU
EFRIGERANT TYPE	R-410A	R-410A	R-410A	R-410A
IOMINAL COOLING / HEATING CAPACITY (MBH)	144 / 162	120 / 135	192 / 216	72 / 81
IQUID LINE (INCHES)	1/2	¥2	5⁄8	3%8
IOT GAS LINE (INCHES)	1-1/8	1-1/8	1-1/8	3⁄4
HGH/LOW PRESSURE LINE	7⁄8	3⁄4	1-1/8	5/8
/OLTS/Ø/Hz	208/3/60	208/3/60	208/3/60	203/3/60
ICA/MOCP	60.8 + 60.8 / 70 + 70	83.4/90	76.5 + 76.5 / 80 + 80	60.8/70
ER (NON-DUCTED/DUCTED)	12.9/12.6	13.7/12.4	12.5/12.7	_
EER (NON-DUCTED/DUCTED)	22.5/18.6	23.4/19.6	22.4/19	_
COP (NON-DUCTED/DUCTED)	3.81/3.55	3.98/3.51	3.85/3.59	_
VEIGHT (LBS.)	1,452	793	1,586	727
IEIGHT × WIDTH × LENGTH IN)	67x98x30	67x49x30	67x98x30	67x49x30
VF	RF SYSTEM - UNIT C	OMBINATIONS		
OUTDOOR UNIT DESIGNATION	ACC-1	ACC-2	ACC-3	ACC-4
	AC-1 (MER 114)	AC-A (DEPT OFFICE)	AC-3 (ATTIC)	AC-5 (ATTIC)
	AC-D (EXERCISE)	AC-B (CHIEF'S OFFICE)	AC-4 (ATTIC)	AC-6 (ATTIC)
	AC-D (EXERCISE)	AC-D (COPY/SUPPLY)	AC-D (AIR ROOM)	
	AC-D (EXERCISE)	AC-A (CLASSROOM)	AC-C (STAIR 2)	
NDOOR UNITS SERVED	AC-A (DISPATCH)	AC-A (CLASSROOM)	AC-C (HALL 224)	
	AC-A (IT/SERVER)	AC-A (DISTRICT OFFICE)		
	AC-C (DAY ROOM)	AC-2 (ATTIC)		
	AC-C (DAY ROOM)			
	AC-C (LOBBY)			

# 

Sulliva	<b>an</b> Ar	chitecture, p.c.
31 Ma	amaror	neck Avenue New York 10601
914-76	1-6006 (	F) 914-761-4919
Owner:	Bedfor Fire Di	d Village strict
	34 Village Bedford, N	
MEP Engineer:	OLA C	consulting Engineers
	8 West 38t	ay, Hawthorne, NY 10532 h St. Suite 501, New York, NY .747-2800
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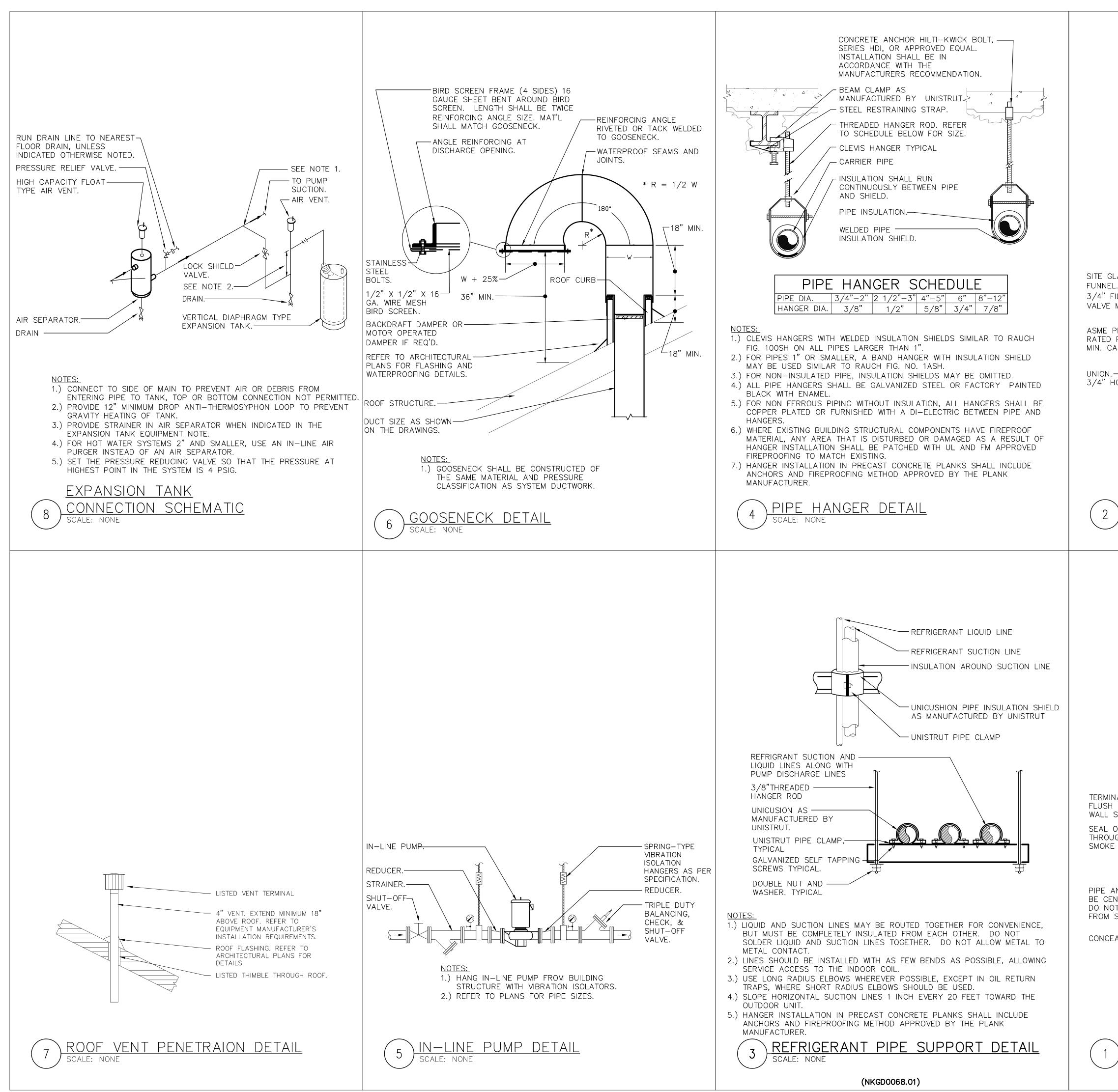




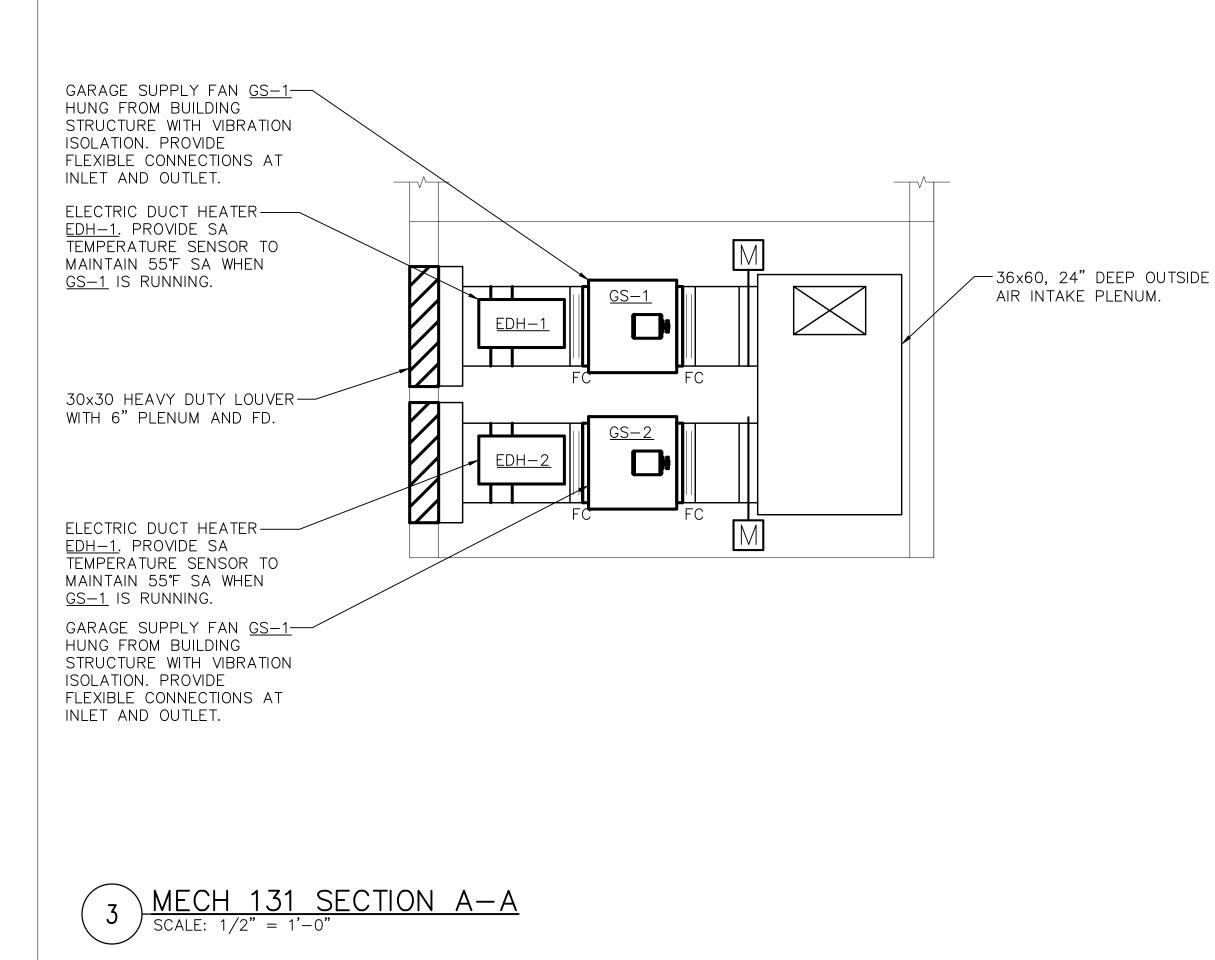


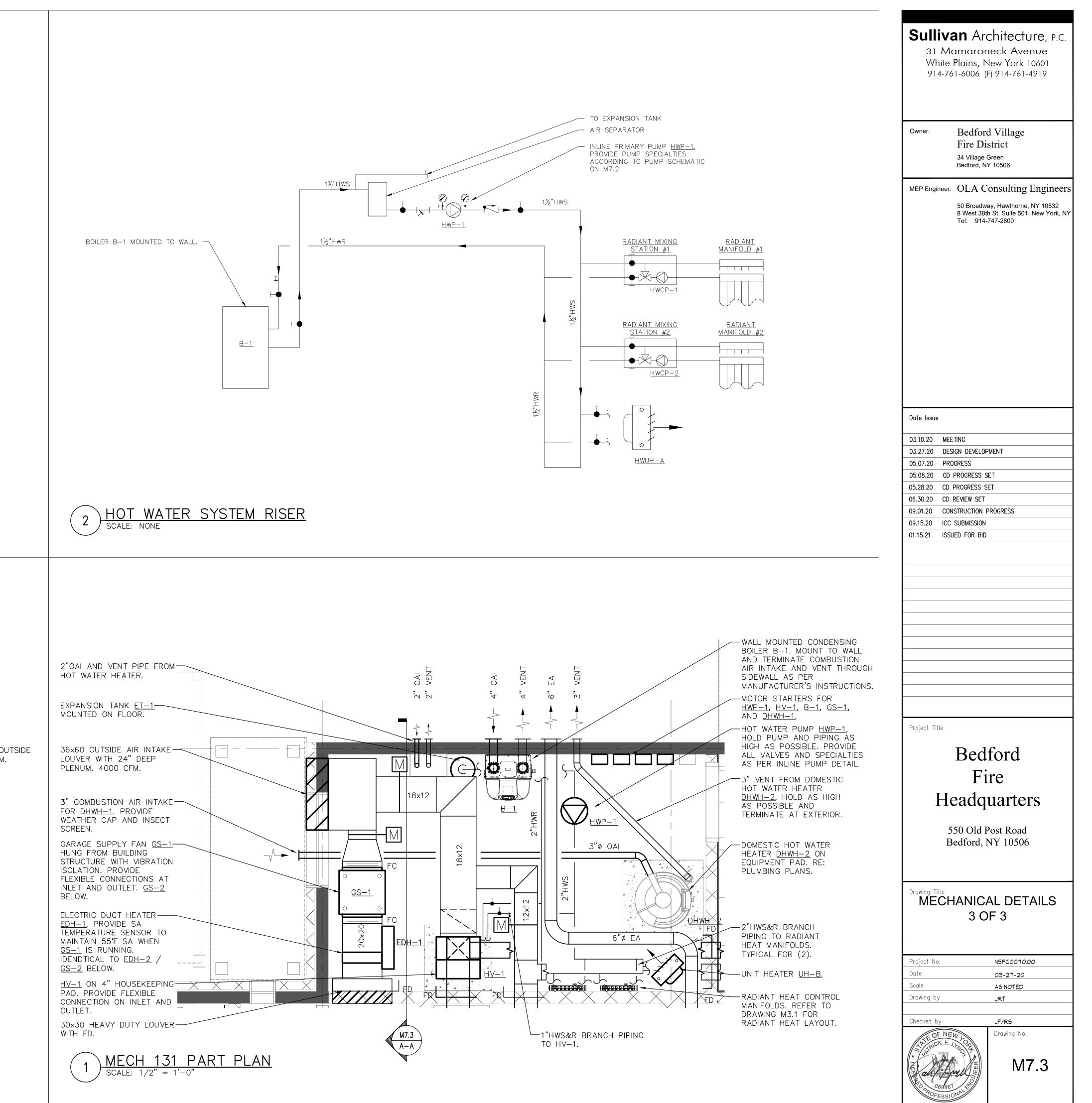
/	DUCT	BRANCH	TAKE-OFF	DETAIL
Ι	SCALE: NO	DNE		

White	amaroneck Ave	nue
	Plains, New York <sup>-</sup> 1-6006 (F) 914-761-	
Owner:	Bedford Village Fire District	
	34 Village Green Bedford, NY 10506	
		<b>.</b> .
MEP Engineer:	OLA Consulting 50 Broadway, Hawthorne,	-
	8 West 38th St. Suite 501 Tel: 914-747-2800	
Date Issue		
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	Sullivan Architecture, P.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919 Owner: Bedford Village Fire District 34 Village Green
	Bedford, NY 10506 MEP Engineer: OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800
ASS HUT-OFF VALVE. HUL & VENT MAX 4'-0" AFF PRESSURE POT FEEDER. APACITY OSE COCK. SHUT-OFF VALVE. TO PUMP SUCTION HEADER PRESSURE GAUGE & COCK. TO PUMP DISCHARGE HEADER. 3/4"	
CHEMICAL POT FEEDER PIPING SCHEMATIC SCALE: NONE	Date Issue03.10.20MEETING03.27.20DESIGN DEVELOPMENT05.07.20PROGRESS05.08.20CD PROGRESS SET05.28.20CD PROGRESS SET06.30.20CD REVIEW SET09.01.20CONSTRUCTION PROGRESS09.15.20ICC SUBMISSION01.15.21ISSUED FOR BID
ATE SLEEVE WITH FINISHED SURFACES.	Project Title Bedford Fire Headquarters
OR CAULK SLEEVE GH FIRE WALLS IN A TIGHT MANNER. ND INSULATION TO NTERED IN SLEEVE. T SUPPORT PIPE	550 Old Post Road Bedford, NY 10506 Drawing Title MECHANICAL DETAILS 2 OF 3
ALED PIPINGPIPING EXPOSED TO VIEW.	Project No.     NSPC0010.00       Date     03-21-20       Scale     AS NOTED       Drawing by     JRT
<u>PIPE WALL SLEEVE DETAIL</u> <u>FOR INTERIOR WALLS</u> scale: none	Checked by JF/RS Drawing No. M7.2





SYMBOLS	AND AR	BREVIATIONS					
SYMBOL			SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL ABBREVIATION	DESCRIPTION
		CONDUIT AND WIRING			GENERATOR RECEPTACLE	KW	KILO-WATT
	_	CONDUIT & WIRING TO BE REMOVED UON		GND	GROUND AS PER LOCAL CODE	LTG	LIGHTING
UG_E	_	BURIED POWER CONDUIT			GROUND AS FER LOCAL CODE	MAX	MAXIMUM
UG_C	_	BURIED COMMUNICATION CONDUIT			GROUND ROD	MCB	MAIN CIRCUIT BREAKER
OH	_	OVERHEAD CONDUCTORS	N C		TRANSFER SWITCH	MIN	MINIMUM
	_	HANDHOLE	لملان مس R T	XFMR	TRANSFORMER	MLO	MAIN LUG ONLY
	_	HOMERUN TO PANEL, ARROWS INDICATE # 1P		СТ	CURRENT TRANSFORMER	MTS	MANUAL TRANSFER SWITCH
<	_	MULTI-POLE HOMERUN	<u> </u>		UTILITY POLE	NIC	NOT IN CONTRACT
		ELECTRICAL EQUIPMENT AS INDICATED		WM	WATER MAIN	NL	NIGHT LIGHT
	_	ELECTRICAL EQUIPMENT TO BE REMOVED UON	B		BOILER BREAK GLASS STATION	NTS	NOT TO SCALE
	_	ELECTRIC METER	/	NC	NORMALLY CLOSED CONTACTS	ОН	OVERHEAD
 J , J	_	JUNCTION BOX		NO	NORMALLY OPEN CONTACTS	P	POLE
	_	FUSED DISCONNECT SWITCH		CV	CONTROL VALVE	PBO	PROVIDED BY OTHERS
	_	UNFUSED DISCONNECT SWITCH			LEAK DETECTOR	PNL	PANEL
$\square$	_	COMBINATION MOTOR STARTER/FUSED DISC.		MD	MOTORIZED DAMPER	PVC	POLY VINYL CHLORIDE
$\square$	_	MOTOR STARTER		SD OR CFSD	SMOKE DAMPER	RECP	RECEPTACLE
	_	MOTOR, NUMBER INDICATES HORSEPOWER (HP)		UH	UNIT HEATER	REL.	REMOVE AND RELOCATE
4_4	_	BATTERY PACK EMERGENCY LIGHT FIXTURE		VAV	VARIABLE AIR VOLUME BOX	RGS	RIGID GALVANIZED STEEL
$\overline{\mathbf{X}}$	_	EXIT LIGHT, FACES-SHADED, CHEVRON-ARROW		A	AMPERE(S)	RTU	ROOF TOP UNIT
S <sub>x</sub>	_	LOW VOLTAGE SINGLE POLE SWITCH		AC	AIR CONDITIONER	SCH	SCHEDULE
		(x – INDICATES FIXTURE BEING CONTROLLED)		ACC	AIR CONDITIONER CONDENSER	SPD	SURGE PROTECTION DEVICE
$S_x^3$	_	LOW VOLTAGE THREE WAY SWITCH		AFF	ABOVE FINISHED FLOOR	SW	SWITCH(ES)
		(x – INDICATES FIXTURE BEING CONTROLLED)		AF	AMPERAGE OF FUSE	TELCO	TELEPHONE COMPANY
$S_x^{DIM}$	_	LOW VOLTAGE DIMMER SWITCH		AGL	ABOVE GRADE LEVEL	TYP	TYPICAL
		(x – INDICATES FIXTURE BEING CONTROLLED)		AHU	AIR HANDLING UNIT	UG	UNDERGROUND
Sm	_	MOTOR RATED TOGGLE SWITCH		AL	ALUMINIUM	UON	UNLESS OTHERWISE NOTED
$\bigcirc$	_	WALL MTD OCCUPANCY/MOTION SENSOR		ARC	ARC FAULT INTERRUPTER	USB	UNIVERSAL SERIAL BUS
	_	CEILING MOUNTED OCCUPANCY SENSOR		AS	AMPERAGE OF SWITCH	UV	UNIT VENTILATOR
⊖u, tv	_	DUPLEX RECEPTACLE. (U – INDICATES WITH USB, TV – INDICATES FOR TV)		ATS	AUTOMATIC TRANSFER SWITCH	VIF	VERIFY IN FIELD
				AWG	AMERICAN WIRE GAUGE	V	VOLT(S)
<b>+</b>	_	DOUBLE DUPLEX RECEPTACLE		BCW	BARE COPPER WIRE	VSD	VARIABLE SPEED DRIVE
$\ominus$ -	_	SPECIAL RECEPTACLE		BLDG	BUILDING	WG	WIRE GUARD
$\bigtriangledown$	_	TELEPHONE OUTLET		BMS	BUILDING MANAGEMENT SYSTEM	WH	WATER HEATER
<b>V</b> ×	_	DATA OUTLET (x - INDICATES # OF JACKS, 1 JACK UON)		С	CONDUIT	WP	WEATHERPROOF
				CD	CANDELA		MAY NOT BE APPLICABLE FOR THIS PROJECT.
	_	COMBINATION TELEPHONE/DATA OUTLET		CKT	CIRCUIT	2. SEE LIGHTING FIXTURE SCHEDULE F	
	_	COMBINATION DATA & TV OUTLET		CLG	CEILING	_ TYPICAL BRANCH CI	RCUIT WIRING LEGEND
		TV OUTLET         WALL MOUNTED PUBLIC ADDRESS SPEAKER		COL	COLUMN	► 2-#12 & 1-#12 GND (1-1	
<u>*</u>		PUBLIC ADDRESS TELEPHONE		CUH	CABINET UNIT HEATER	$\rightarrow$ 3-#12 & 1-#12 GND (3P-	
 €₽	_	CEILING MOUNTED PUBLIC ADDRESS SPEAKER		DEM.	DEMOLISH AND REMOVE	→ 2-#12 & 1-#12 GND (2P-	LIGHT FIXTURE TYPE
		CLEANS MOONTED TODELO ADDICESS SI LANLIN		DISC	DISCONNECT	- CIRCUIT # 15	SWITCH CONTROL
₽.	_	REMOTE RESCUE STATION		DIM	DIMMER		LIGHT FIXTURE CIRCUIT #
TC	_	TIME CLOCK		DWG	DRAWING	NOTES:	
CR		CARD READER		ELEV	ELEVATOR	1. EACH 120V AND 277V CIRCUIT S CONDUCTOR. SHARED NEUTRAL H	
DA		DOOR ALARM		EMT	ELECTRICAL METALLIC TUBING		ED FOR VOLTAGE DROP AND DERATING AS DE. FOR CIRCUITS THAT ARE BETWEEN 100'
ES	_	ELECTRIC DOOR STRIKE		EM	EMERGENCY	AND 150' IN LENGTH, PHASE AND	NEUTRAL CONDUCTORS SHALL BE #10 AWG. N 150' AND 225' IN LENGTH, PHASE AND
KP	_	KEY PAD		EX.	EXISTING TO REMAIN		#8 AWG. FOR LENGTHS GREATER THAN
	_	SECURITY CAMERA		FLR	FLOOR		, S. , SIZES MITT ENVINEEN.
PTZ		PTZ – PAN, TILT, ZOOM		FBO	FURNISHED BY OTHERS		
0	_	PUSHBUTTON		FC	FAN COIL UNIT		
HD	_	ELECTRIC HAND DRYER		GEN	GENERATOR		
EPO	EPO	EMERGENCY POWER OFF SWITCH		GFI	GROUND FAULT INTERRUPTER		
RASP	RASP	RESCUE ASSIST. SYSTEM MASTER STATION		HP	HORSEPOWER		
	СВ	CIRCUIT BREAKER		HVAC	HEATING VENTILATION AIR CONDITIONING		
	-	ENCLOSED CIRCUIT BREAKER		IG	ISOLATED GROUND		
200AS	_	FUSED SWITCH		IMC	INTERMEDIATE METAL CONDUIT	_	
G	GEN	GENERATOR		KVA	KILO-VOLT-AMPERE	_	

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#### GENERAL NOTES

- 1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
- 2. THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.
- 3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL FEES ASSOCIATED WITH THIS WORK INCLUDING FILING WITH THE UTILITY COMPANY (AS REQUIRED), AND WITH LOCAL AUTHORITY HAVING JURISDICTION.
- 4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO HIRE A THIRD PARTY ELECTRICAL INSPECTION AGENCY TO PROVIDE UL INSPECTIONS AND SUBMIT A CERTIFICATE OF INSPECTION PRIOR TO FINAL REQUEST FOR PAYMENT.
- 5. ALL WORK INVOLVING THE ELECTRIC SERVICE SHALL BE COORDINATED AND APPROVED BY THE UTILITY COMPANY, NYSEG.
- 6. ALL CONDUCTORS SHALL BE COPPER UON "ON DRAWINGS".
- 7. ELECTRONIC FILES OF THE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS ARE AVAILABLE TO THE CONTRACTOR. THE ENGINEER MAY GRANT THE CONTRACTOR A LIMITED LICENSE TO MAKE A DERIVATIVE WORK OF THE DATABASE FOR THE PURPOSE OF SHOP DRAWINGS, SUBMITTALS AND AS-BUILT DRAWINGS. UPON REQUEST, THE ENGINEER SHALL PROVIDE A RELEASE FORM THAT MUST BE SIGNED AND RETURNED BY THE CONTRACTOR PRIOR TO RELEASE OF THE ELECTRONIC FILES.
- 8. CIRCUIT NUMBERS ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN THE FIELD.
- 9. CORE DRILLING OR TRENCHING THROUGH AN EXISTING FLOOR SLAB, WHEN REQUIRED, SHALL BE COORDINATED WITH THE OWNER. FLOOR SLABS SHALL BE RADAR SCANNED PRIOR TO CORE DRILLING OR TRENCHING. ALL WORK, INCLUDING CORE DRILLING, RADAR SCAN, INSTALLATION OF FIRE STOPPING, & CONDUIT/CABLE INSTALLATION SHALL BE PERFORMED DURING NON-BUSINESS HOURS AND INCLUDED IN BASE BID. USE EXTREME CAUTION DURING ANY CUTTING OPERATION TO AVOID DAMAGE TO EXISTING EQUIPMENT/SYSTEMS. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED AT NO COST TO THE CLIENT. ALL CORES SHALL BE FIRE SEALED.
- 10. FOR EACH WALL MOUNTED COMMUNICATIONS OUTLET, SPEAKER, SECURITY CAMERA AND CARD READER INDICATED, PROVIDE A 1900 JUNCTION BOX WITH AN EXTENDER COLLAR AND 1 INCH CONDUIT WITH DRAGLINE 6 INCHES ABOVE ACCESSIBLE CEILING FOR INSTALLATION OF CABLE. PROVIDE CONDUIT FOR CABLING IN ALL EXPOSED AREAS.
- 11. COMMUNICATION WIRING SHALL BE COLOR CODED AS FOLLOWS:
- 11.1. DATA: BLUE
- 11.2. FIRE-ALARM: RED 11.3. SECURITY CAMERAS: YELLOW
- 11.4. DOOR ACCESS: GREEN
- 12. WHERE GFI RECEPTACLES ARE CIRCUITED WITH GENERAL CONVENIENCE RECEPTACLES, THE GFI RECEPTACLE SHALL BE THE LAST DEVICE ON THE CIRCUIT.
- 13. INSTALL CONDUIT EXPANSION FITTINGS AT ALL LOCATIONS WHERE CONDUITS CROSS BUILDING OR STRUCTURE EXPANSION JOINTS.
- 14. CEILING MOUNTED RECEPTACLES SHALL BE MOUNTED FLUSH TO CEILING.
- 15. UNLESS OTHERWISE NOTED, DISCONNECT SWITCHES, STARTERS, HOAS AND MOTOR RATED TOGGLE SWITCHES FOR MECHANICAL PUMPS, CABINET AND UNIT HEATERS, RETURN FANS, ROOF FANS, VAV BOXES, COMPRESSORS, FAN COIL UNITS. AIR HANDLERS AND CONDENSERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.
- 16. DISCONNECT SWITCHES FOR MOTORIZED DAMPERS, CFSD/SD AND VAV BOXES SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. SWITCHES NOT SHOWN ON PLANS.
- 17. INCLUDE IN BASE BID (4) 1P-20A CIRCUITS ON EACH LEVEL (150' LENGTH EACH) FOR HVAC SYSTEM CONTROL PANELS. EXACT LOCATION OF CONTROL PANELS SHALL BE COORDINATED WITH DIVISION 23 IN THE FIELD. CIRCUITS SHALL ORIGINATE FROM THE FOLLOWING PANELBOARDS:

FIRST FLOOR - RP1B SECOND FLOOR - RP2B

- 18. ALL SMOKE, CO & COMBINATION SMOKE/CO ALARMS TO BE 120V, MULTI STATION HEADS WITH NON-REMOVABLE, NON-REPLACEABLE, 10 YEAR MINIMUM BATTERY BACKUP, U.O.N. PROVIDE WIRING AS REQUIRED BETWEEN HEADS. ALL HEADS WITHIN DWELLING UNIT SHALL BE CONNECTED TOGETHER.
- 19. ALL 120V, 15 AND 20 AMP CIRCUITS FEEDING LOADS IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS. OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY. COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.
- 20. EACH DUPLEX AND QUAD RECEPTACLE SHALL BE LABELED WITH THE CIRCUIT NUMBER WHICH IT SERVES. ALPHANUMERICS TO BE 1/8" HIGH AND BLACK ON CLEAR BACKGROUND. LABELS SHALL BE SELF ADHESIVE. IDENTIFY ASSOCIATED PANEL AND CIRCUIT NUMBER.
- 21. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE DEMOLITION AND INSTALLATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO PANELBOARDS, CONDUITS, WIRING, DEVICES, FIXTURES, ETC. INCLUDING ABOVE CEILINGS. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH WALLS, AS REQUIRED TO EXECUTE THE ELECTRICAL WORK.
- 22. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO HIRE AND PAY ALL FEES FOR THE UL FIELD EVALUATION SERVICE TO RE-INSPECT AND RE-CERTIFY THE SWITCHBOARD IN RELATION TO MODIFICATIONS REQUIRED WHEN TAPPING THE BUS. CONTRACTOR SHALL SCHEDULE WITH UL PRIOR TO START OF WORK. UL SHALL BE PRESENT WHILE TAPPING OF THE SWITCHBOARD IS EXECUTED. (TEL:1-877-ULHELPS)
- 23. ALL ELECTRICAL EQUIPMENT INCLUDING SWITCHBOARD, PANELBOARDS, DISCONNECT SWITCHES ETC. SHALL BE MANUFACTURED BY SQAURE D.
- 24. PROVIDE SURGE PROTECTORS FOR ALL MAIN SWITCHBOARDS/PANELS AND ALL PANELS CONNECTED TO THE EMERGENCY GENERATOR SYSTEM.

# DEFINITION OF TERMS

- JOB SITE.

1. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "CLIENT" IS USED, IT MUST BE UNDERSTOOD THAT "BEDFORD VILLAGE FIRE DISTRICT" IS INTENDED.

2. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ARCHITECT" IS USED, IT MUST BE UNDERSTOOD THAT "SULLIVAN ARCHITECTURE, P.C." IS INTENDED.

3. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.

4. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "ELECTRICAL UTILITY" OR "POWER COMPANY" ARE USED, IT MUST BE UNDERSTOOD THAT "NYSEG" IS INTENDED.

5. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "TELEPHONE UTILITY" OR "TELCO" ARE USED, IT MUST BE UNDERSTOOD THAT "VERIZON FIOS" IS INTENDED.

6. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "FIRE ALARM SYSTEM" OR "FIRE ALARM VENDOR" ARE USED, IT MUST BE UNDERSTOOD THAT "OPEN SYSTEM" IS INTENDED.

7. "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.

8. "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE

9. "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC., CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.

10. "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT. ETC. AS DEFINED ABOVE.

11. THE FOLLOWING ARE DEFINITIONS OF SHOP DRAWING STAMP ACTIONS:

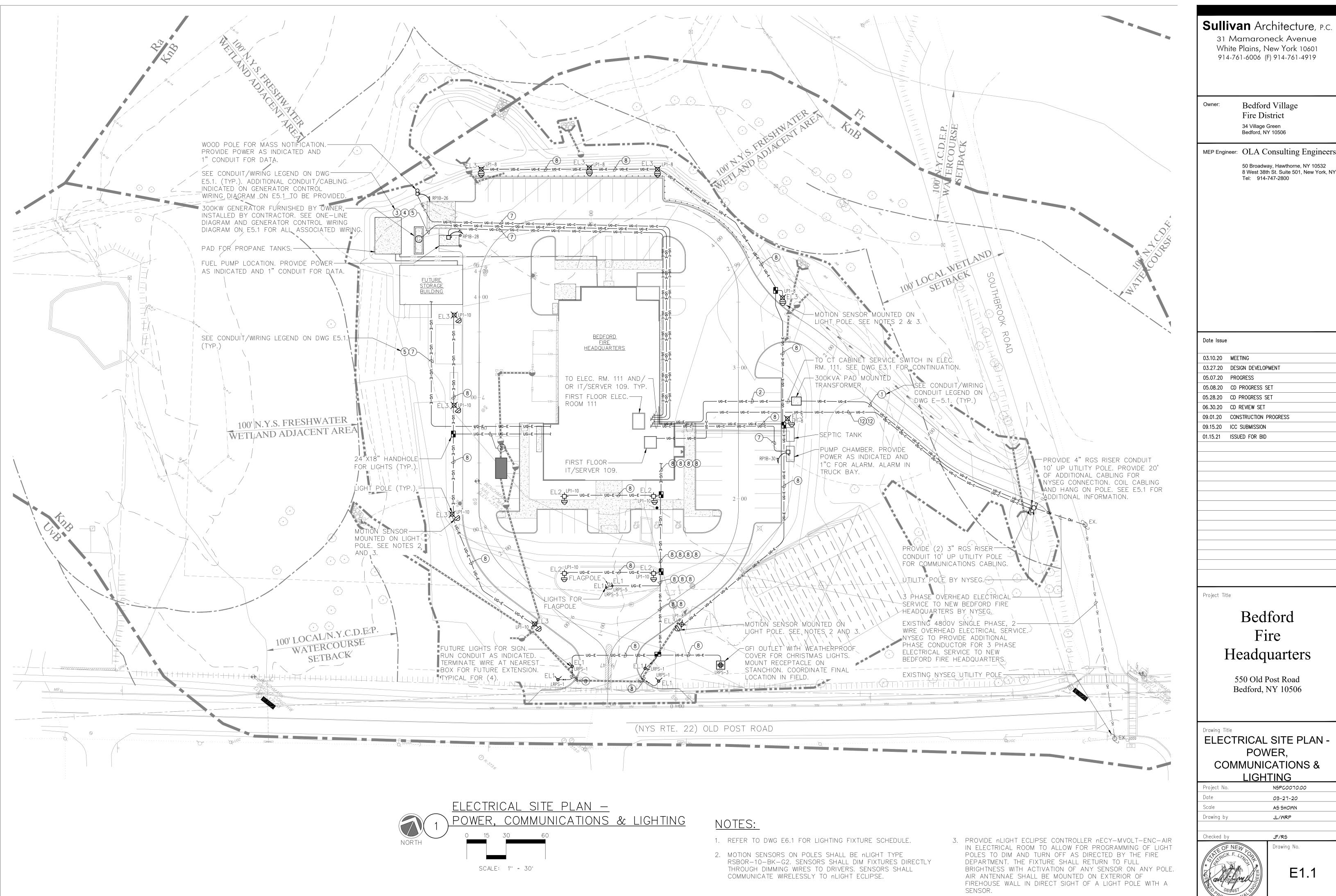
A. "NO EXCEPTIONS TAKEN" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY COMMENCE.

B. "MAKE CORRECTIONS NOTED" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, SUBJECT TO AND IN COMPLIANCE WITH THE ANNOTATIONS AND/OR CORRECTIONS INDICATED ON THE SHOP DRAWING. FABRICATION AND/OR PURCHASE MAY COMMENCE.

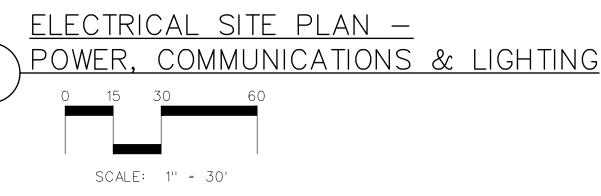
C. "AMEND AND RESUBMIT" MEANS THAT THE COMMENTS AND/OR CORRECTION ARE SO EXTENSIVE AND IMPORTANT THAT THE REVIEWER WANTS TO SEE HOW THE COMMENTS AND/OR CORRECTIONS ARE RESOLVED PRIOR TO RELEASE FOR FABRICATION AND/OR PURCHASE. FABRICATIONS AND/OR PURCHASE MAY NOT COMMENCE.

D. "REJECTED" MEANS THAT THE SHOP DRAWING DOES NOT COMPLY OR CONFORM TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY NOT COMMENCE.

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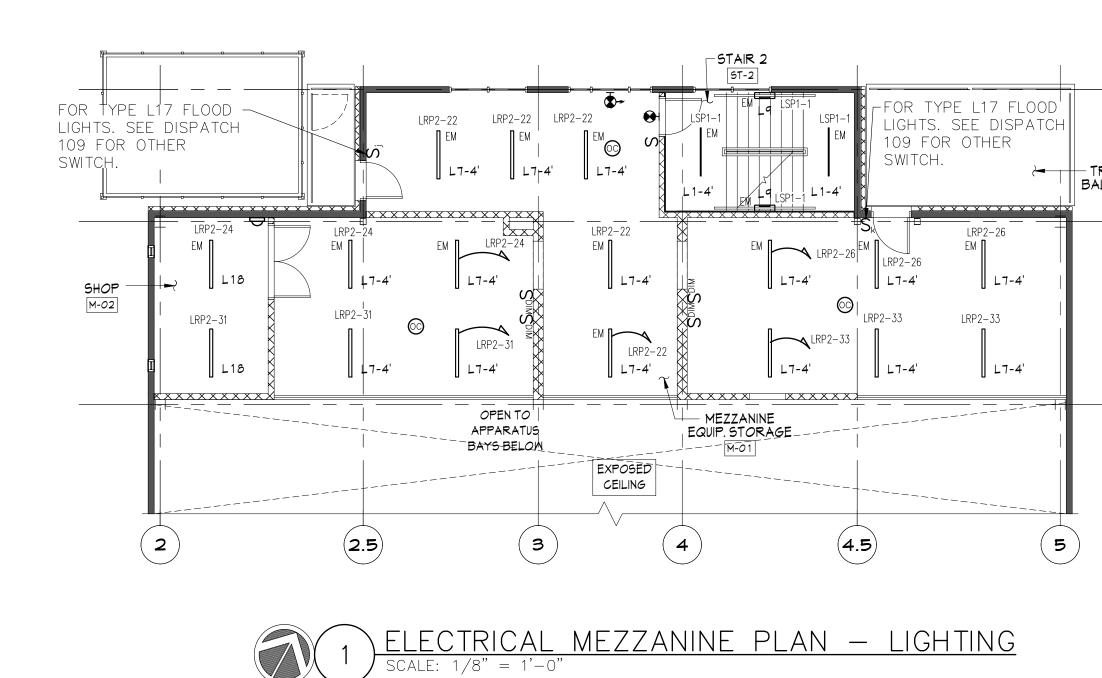
ELECTRICAL FIRST FLOOR PLAN – LIGHTING SCALE: 1/8" = 1'-0"

NORTH

7).	PROVIDE	PILOT LIGHT
S	(ON/OFF).	SEE DWG

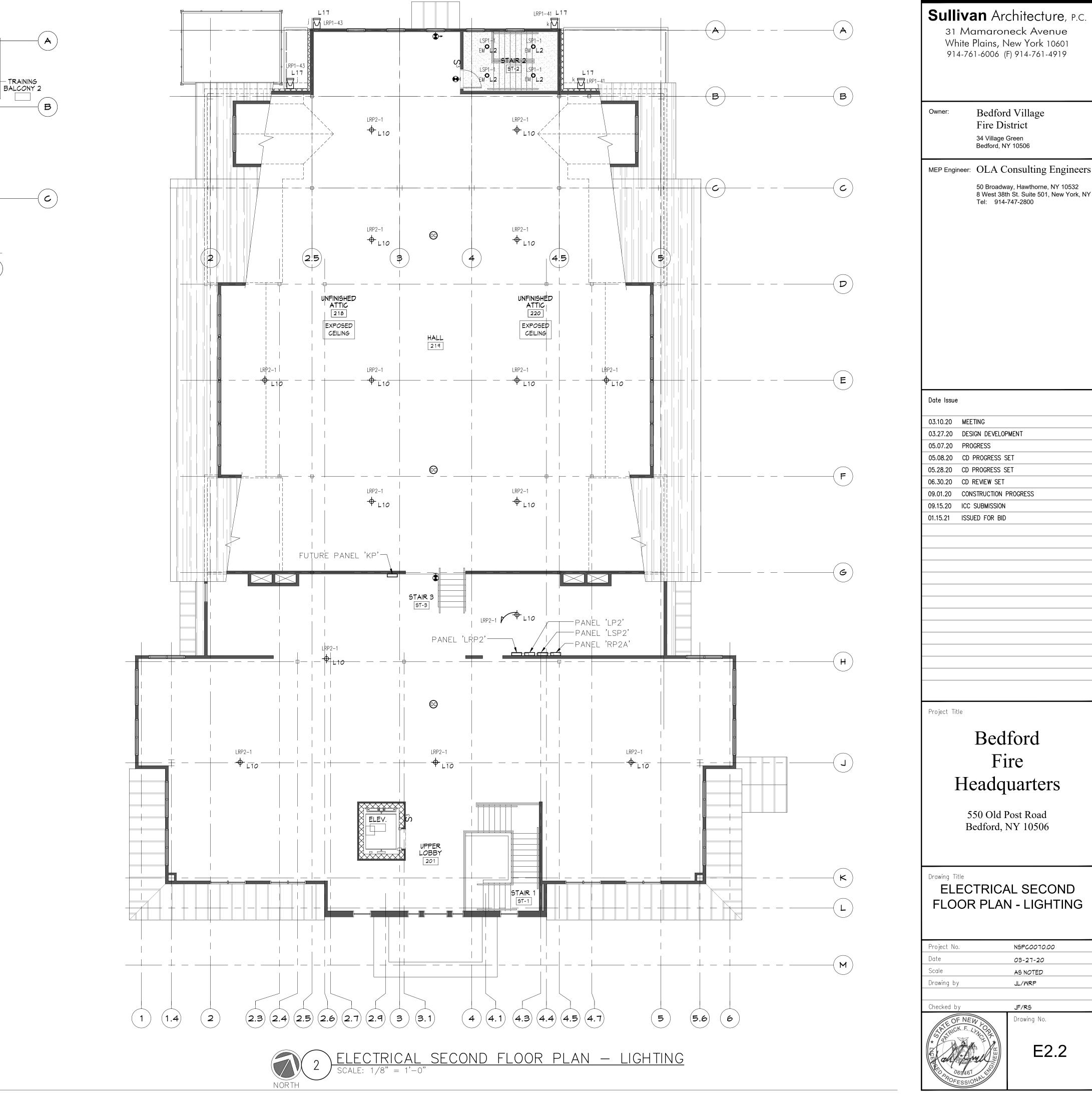
- 1. ALL LIGHTING CIRCUITS WILL BE CONTROLLED THROUGH LIGHTING RELAY PANELS.
- 2. ALL ZONES/ROOMS WITH OCCUPANCY SENSORS WILL BE MANUAL ON.
- 3. ALL ZONES WILL BE TIME BASED AND BE PROGRAMMED TO BE IN OCCUPANCY MODE DURING TIMES DESIGNED BY FIRE DEPT CHIEF.
- 4. STAIR LIGHTING WILL BE ON AT ALL TIMES AND DIMMED WHEN NOT OCCUPIED.
- 5. PROVIDE NORMAL POWER SENSING CIRCUIT FOR ALL EMERGENCY LIGHTING CONTROL PANELS AND ALL STAIR LIGHTING FIXTURES.
- 6. REFER TO WIRING DIAGRAMS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING LIGHTING CONTROLS.

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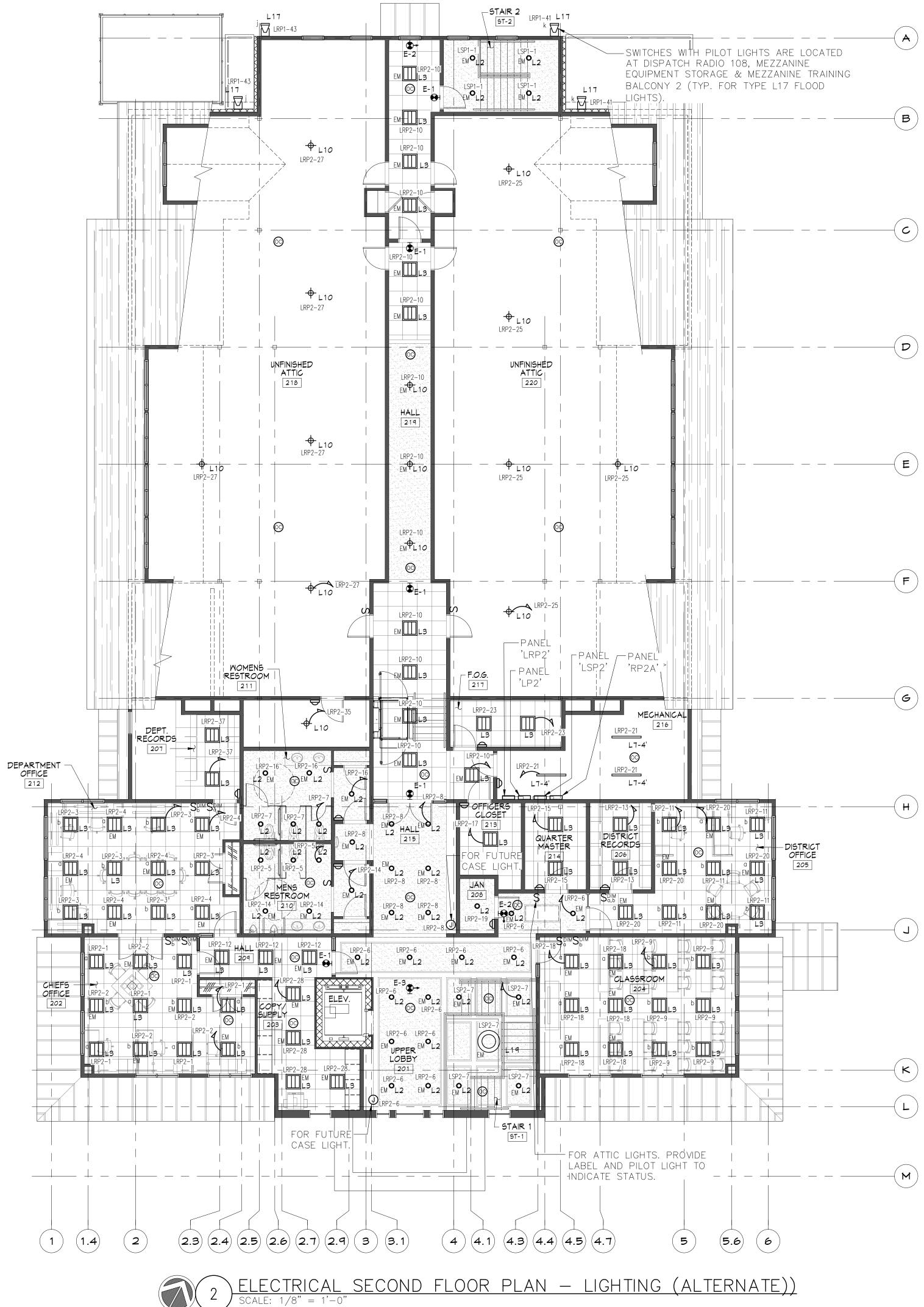


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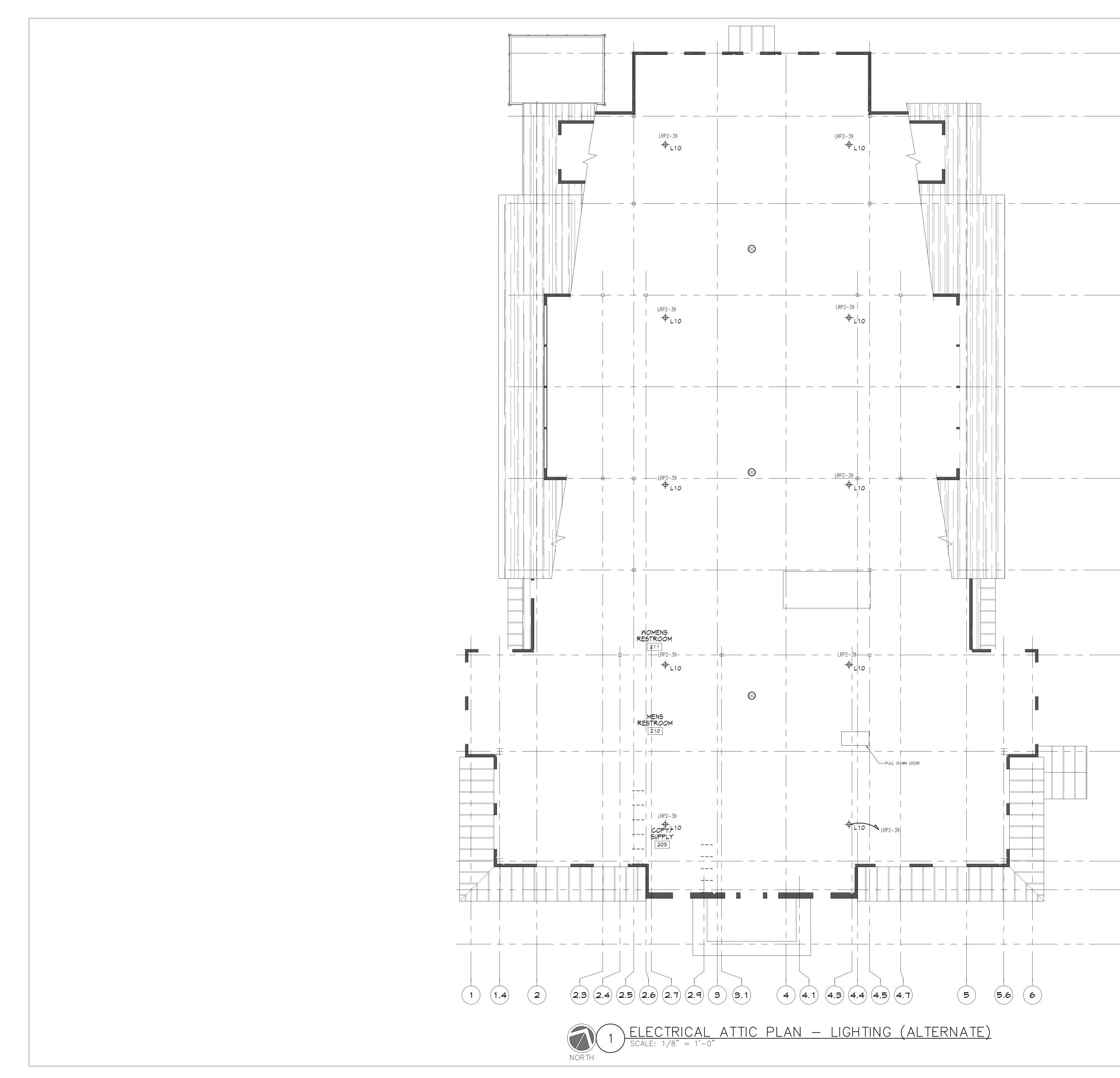
<sup>©2020</sup> Sullivan Architecture



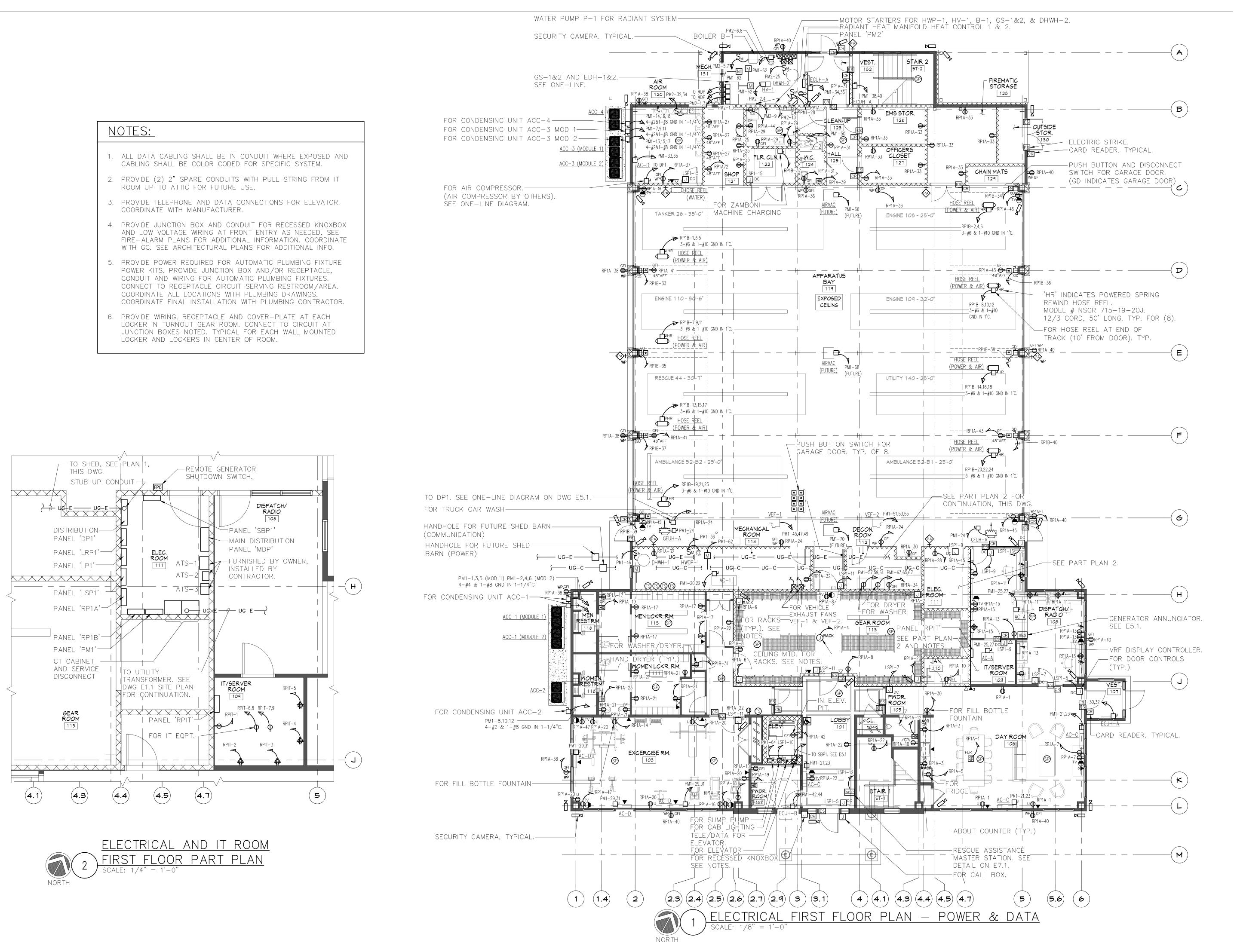
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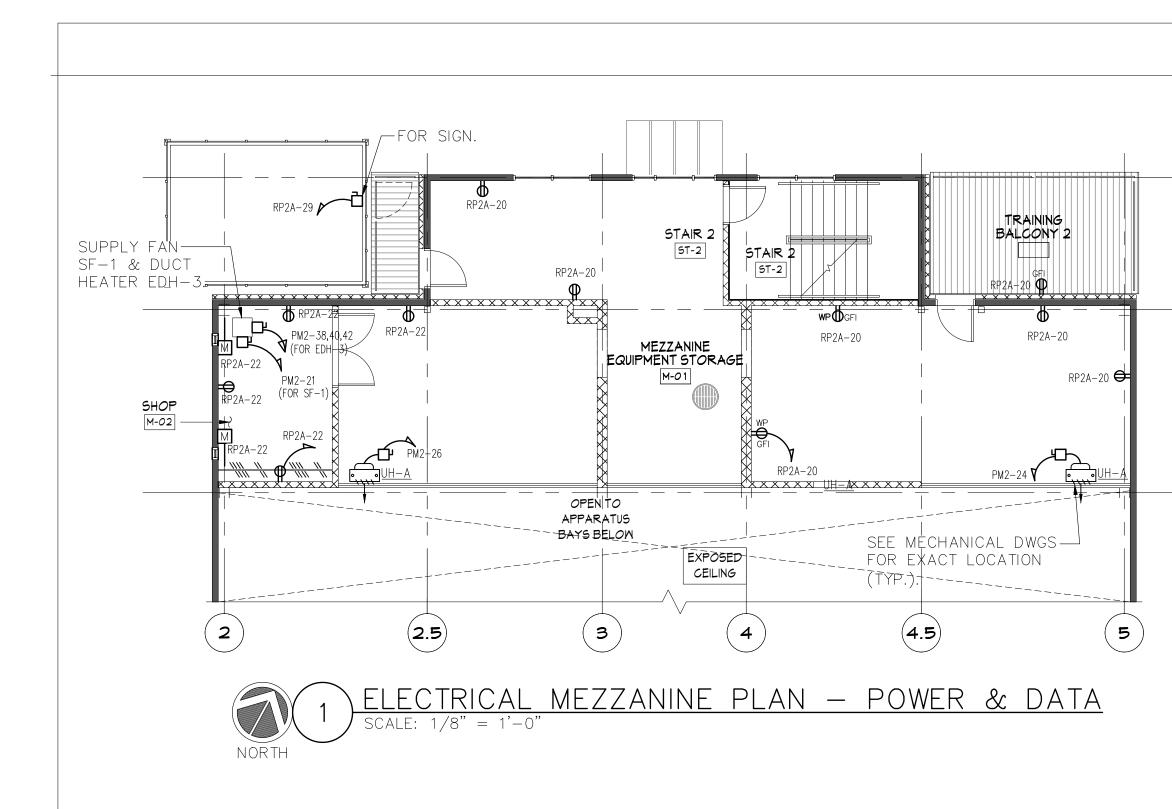
- 1. ALL LIGHTING CIRCUITS WILL BE CONTROLLED THROUGH LIGHTING RELAY PANELS.
- 2. ALL ZONES/ROOMS WITH OCCUPANCY SENSORS WILL BE MANUAL ON.
- 3. ALL ZONES WILL BE TIME BASED AND BE PROGRAMMED TO BE ON OCCUPANCY MODE DURING TIMES DESIGNED BY FIRE DEPARTMENT CHIEF.
- 4. STAIR LIGHTING WILL BE ON AT ALL TIMES AND DIMMED WHEN NOT OCCUPIED.
- 5. ALL FLOOD LIGHTS TO HAVE LOCAL SWITCH & 3-WAY SWITCH IN DISPATCH ROOM 108 WITH PILOT LIGHT.
- 6. PROVIDE NORMAL POWER SENSING CIRCUIT FOR ALL EMERGENCY LIGHTING CONTROL PANELS AND ALL STAIR LIGHTING FIXTURES.
- 7. REFER TO WIRING DIAGRAMS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING LIGHTING CONTROLS.



-		Sullivan Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
В		Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
<b>-</b> C		MEP Engineer: OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800
E		Date Issue 03.10.20 MEETING
F		03.27.20DESIGN DEVELOPMENT05.07.20PROGRESS05.08.20CD PROGRESS SET05.28.20CD PROGRESS SET06.30.20CD REVIEW SET09.01.20CONSTRUCTION PROGRESS09.15.20ICC SUBMISSION01.15.21ISSUED FOR BID
- <b>G</b>		
H		
		Project Title Bedford Fire Headquarters 550 Old Post Road Bedford, NY 10506
— <b>K</b>		Drawing Title ELECTRICAL ATTIC PLAN - LIGHTING (ALTERNATE)
M	NOTES: 1. LIGHT SWITCH FOR ATTIC LIGHTS LOCATED ON 2ND FLOOR.	Project No.       NSPC0070.00         Date       03-27-20         Scale       AS NOTED         Drawing by       JL/MRP         Checked by       JF/RS
		Checked by JF/RS Drawing No. E2.3A

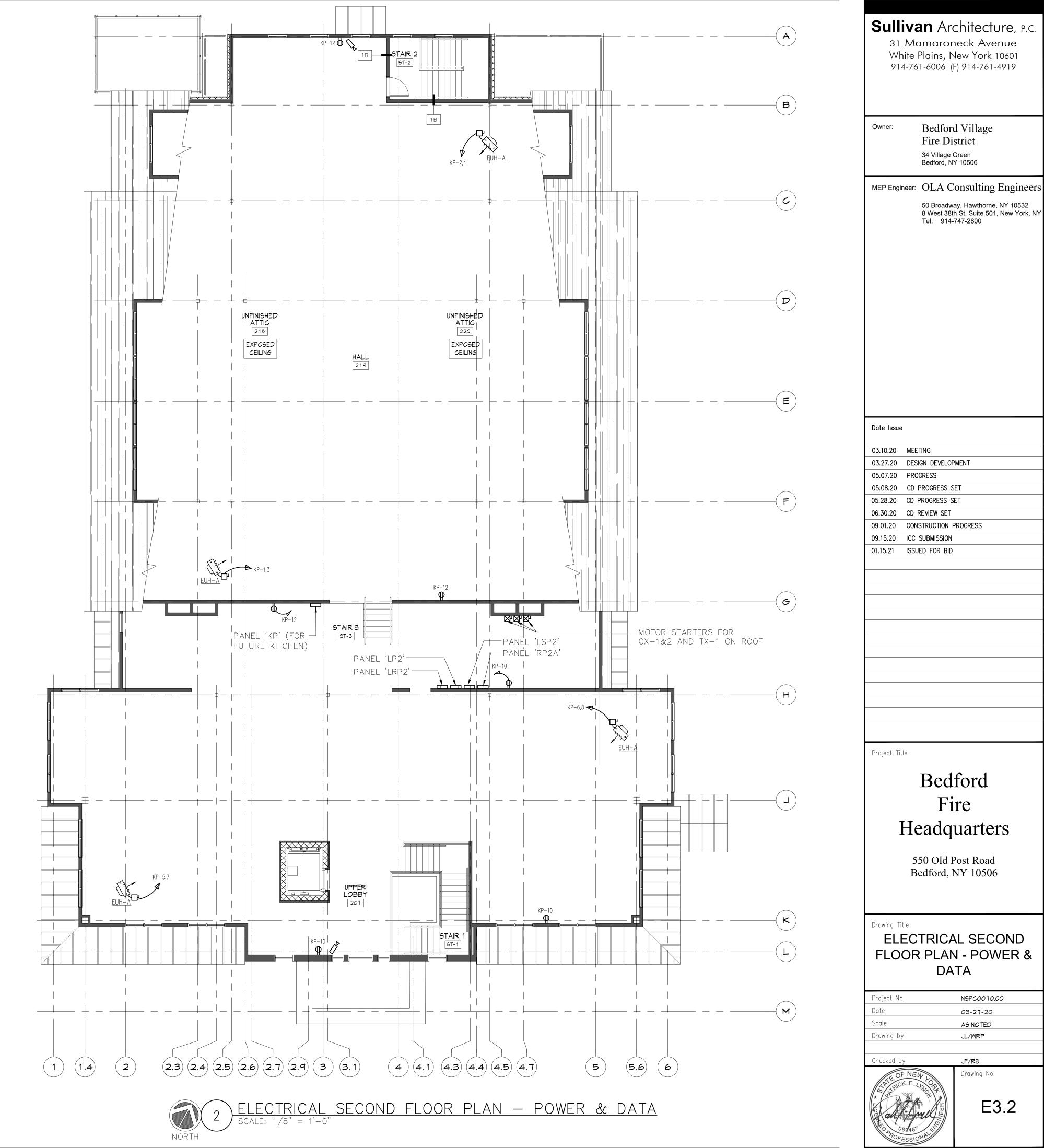


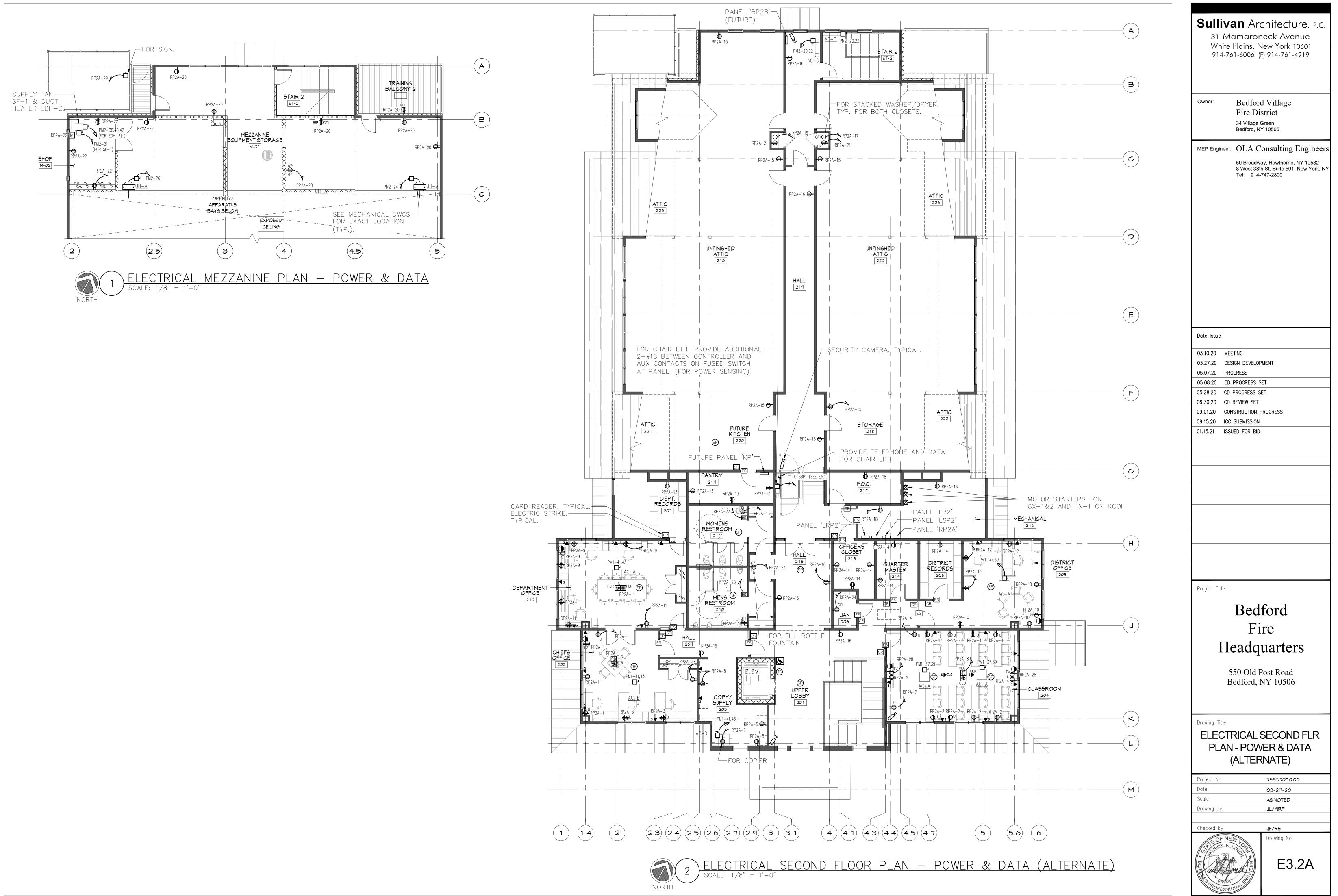
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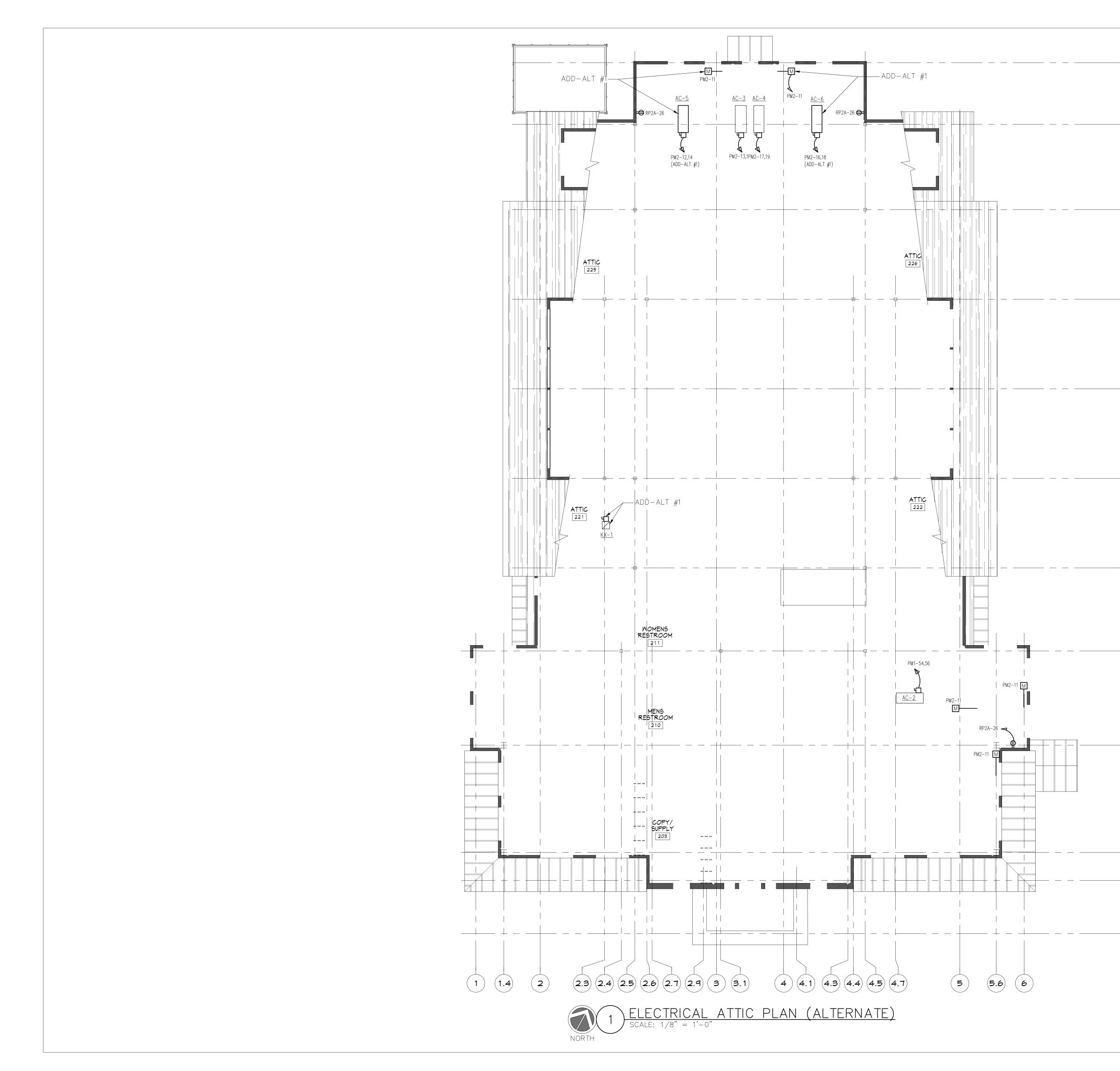


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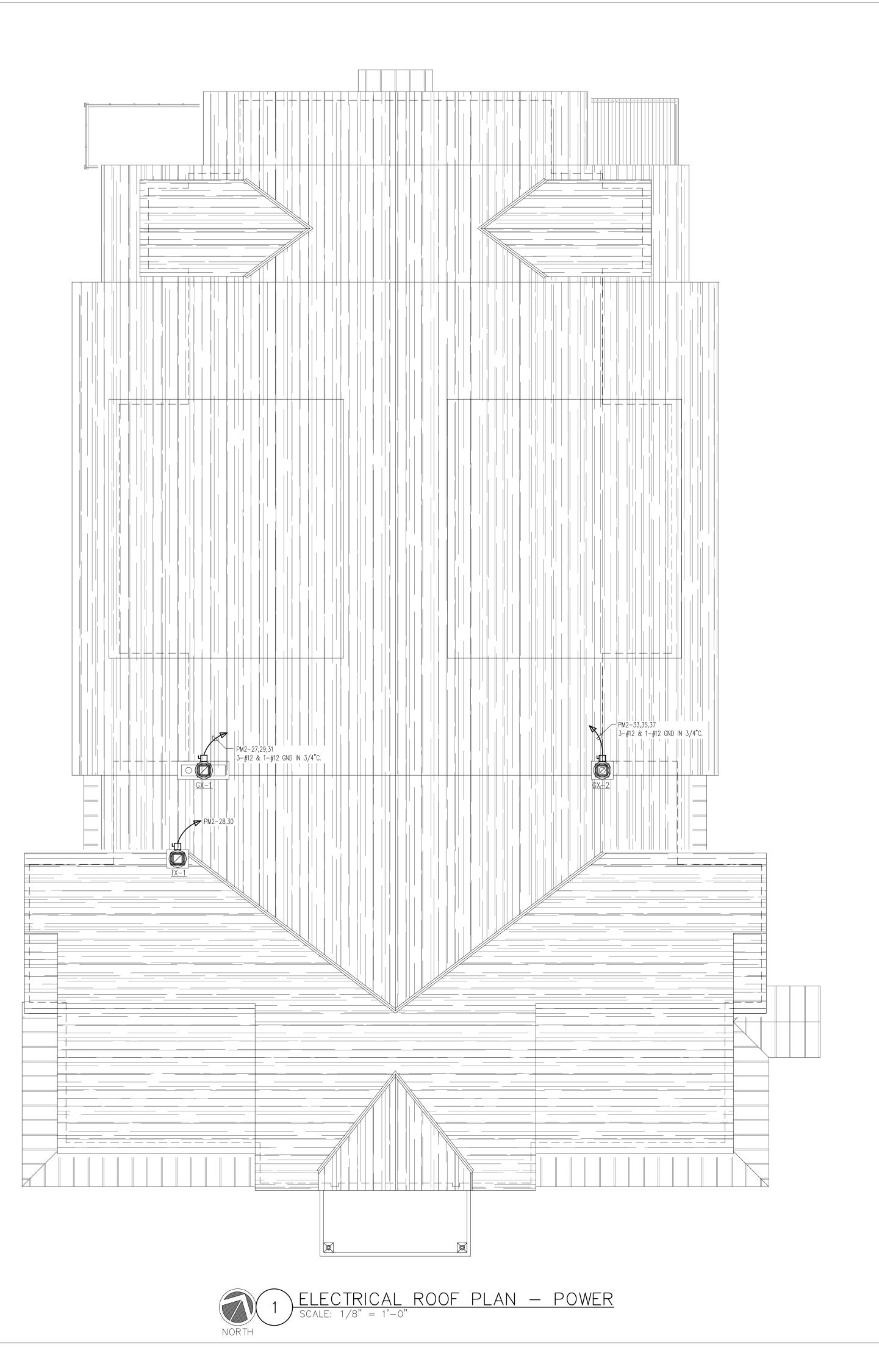
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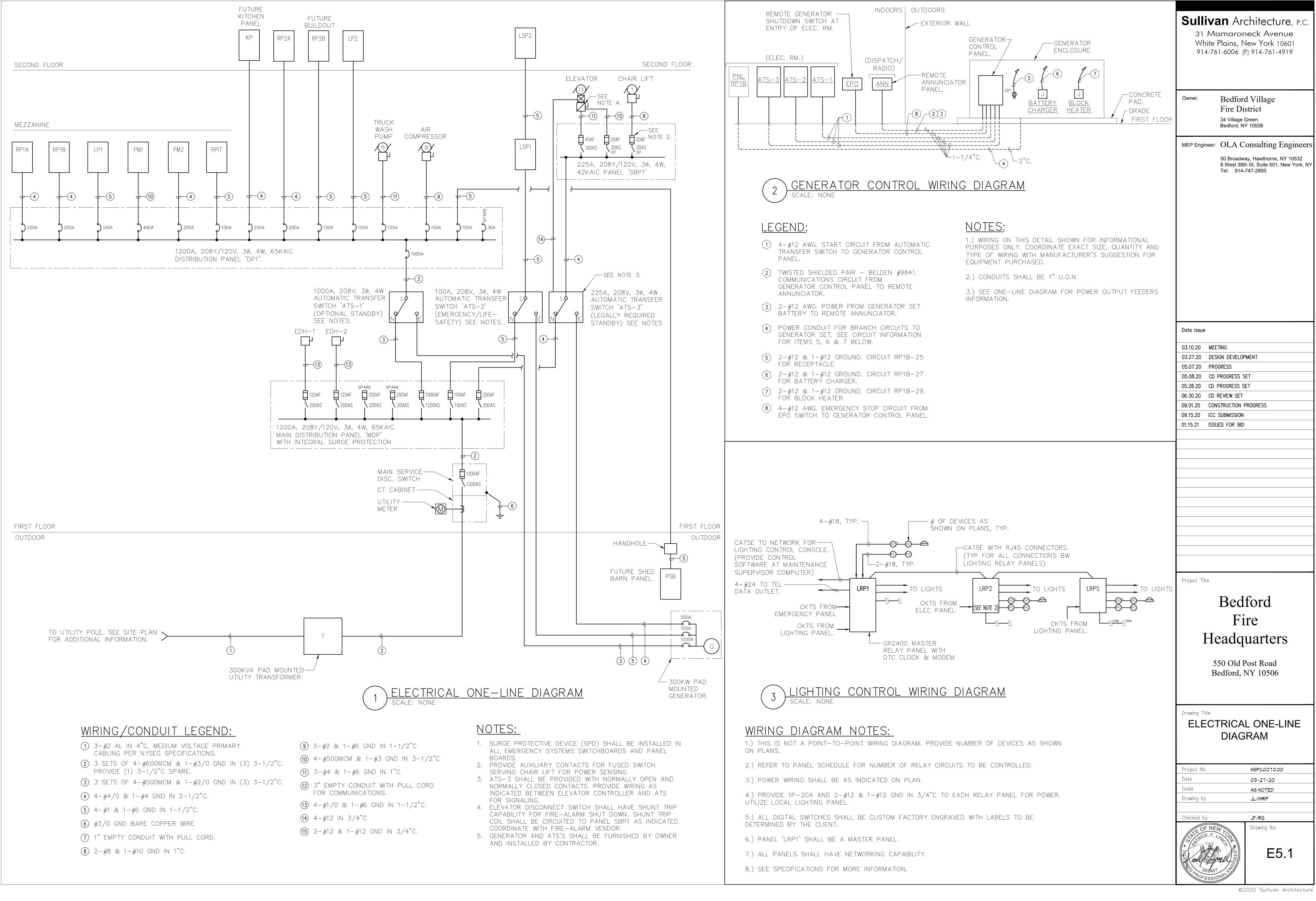




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- κ - L	Drawing Title ELECTRICAL ATTIC PLAN - POWER (ALTERNATE)
M	Project No. NSPC0070.00 Date 03-27-20 Scale AS NOTED Drawing by JL/WRP Checked by JF/RS Drawing No. E3.3A



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	LIGHTING FIXTURE SCHEDULE														
FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	INPUT WATTS (W)	MOUNTING	REMARKS	FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	INPUT WATTS (W)	MOUNTING	REMARKS
F1	BIG ASS FANS	8 FT — 158 RPM	_	120	1,200	SURFACE	ESSENCE 8FT FAN KIT	× L12	HINKLEY	HKYP297130-(12VLED OPTION)	LED	120	16	SURFACE	ALFORD PLACE OUTDOOR PENDANT.
L1-8'	SAYLITE	LLLSA-97L-46W1500L-30K-SA- HC601WH-MTIM40L24DC	LED	120	46	SURFACE	LINEAR LIGHTING CHANNEL	L13	MAXIM LIGHTING	LIGHTHOUSE 5866CLFTAR	(1) 60W E26 MEDUIM	120	60	SURFACE	CONTRACTOR TO PROVIDE RED BULBS.
L1-4'	SAYLITE	LLLSA-48L-23W1500L-30K-SA- HC601WH-MTIM40L24DC	LED	120	23	SURFACE	LINEAR LIGHTING CHANNEL	L14	MAXIM LIGHTING	VANITY 52000-POLISHED CHROME	LED	120	12	SURFACE	VANITY LIGHTING FIXTURE.
© <sub>L2</sub>	LIGHTOLIER	6RN-C6L30830ME1-C6RDLWH	LED	120	30	RECESSED	CALCULATED LED 6" GEN 3 ROUND DOWNLIGHT		LITHONIA LIGHTING	VW15OSL M6	HIGH PRESSURE SODIUM (HPS)	120	150	SURFACE	UTILITY VAPOR TIGHT LIGHTING FIXTURE.
L3	DAY-BRITE	2EVG30L835-2-D-UNV-DIM	LED	120	25	RECESSED	2'x2' LIGHTING FIXTURE	$\oplus_{L16}$	BARN LIGHT U.S.A.	CHEROKEE UPLIGHT SERIES G-ULC18-100-G26- CLR-NA-LED16.8-3000K	LED	120	16.8	SURFACE	BARN TYPE LIGHTING FIXTURE.
© L4	LIGHTOLIER	6RN-C6L30830ME1-C6RSLWH	LED	120	30	RECESSED	CALCULATED LED 6" GEN 3 Round downlight	L17	EATON	FSL2850LW	LED	UNV	28.23	SURFACE	SINGLE HEAD LED FLOOD LIGHTING FIXTURE.
 L5	MODERN FORMS	MFMP206783	LED	120	80	SURFACE	LED LINEAR PENDANT	L18	DAY-BRITE	V2WAE51L840-4-UNV-MD360W	LED	UNV	46	SURFACE	SEALED WET LOCATION INDUSTRIAL FIXTURE.
© L6	SHAPER	122-36-S-L9/830-UNV-MW DRUM: 122-36-VLM	LED	UNV	72	SURFACE	LED DECORATIVE ROUND LIGHTING FIXTURE.	© L19	ALORA LIGHTING	ALRP267758-(LARGE OPTION FIXTURE)	LED	UNV	60	PENDANT	DUO LED PENDANT. LARGE OPTION FIXTURE – 31.5" DIAMETER
 L7	DAY-BRITE	5FL455L840-PPS-UNV-DIM	LED	120	37	SURFACE	6"x4' INDUSTRIAL LED LIGHTING FIXTURE.	<b>₽</b> E-1	COOPER	SURE-LITES LPX SERIES LPX 6 (WALL MOUNT)	LED	120	0.98	SURFACE	EXIT LIGHT. REFER TO ARCHITECTURAL DWGS FOR DIRECTION CHEVRONS.
	DAY-BRITE	DWAE70L840-8-UNV-WHP	LED	UNV	130	SURFACE	7"x8' SEALED INDUSTRIAL LED LIGHTING	← <b>▲</b> → E-2	COOPER	SURE-LITES LPX SERIES LPX 6 (WALL MOUNT)	LED	120	0.98	SURFACE	EXIT LIGHT. REFER TO ARCHITECTURAL DWGS FOR DIRECTION CHEVRONS.
L8		JS-L-L-2-L35-1D-UNV-SU-	LED	UNV	18	SURFACE	FIXTURE'	<b>←▲</b> → E-3	COOPER	SURE-LITES LPX SERIES LPX 6 (CEILING)	LED	120	0.98	SURFACE	EXIT LIGHT. REFER TO ARCHITECTURAL DWGS FOR DIRECTION CHEVRONS.
L9	EATON (CORELITE)	US-L-L-Z-LUS-TD-UNV-SU- WA-STD-W	3500K		ΙO	SURFACE	WALL MOUNT SCONCE LED LIGHTING FIXTURE.	EL-1	PHOENIX FLOOR	MODEL MLF-MF-120-WW-CD	LED 3000K	120	78	FLOOR MOUNTED	UPLIGHT FOR FLAGPOLE
	LEVITON	000-09850-LED	LED 3000K	120	10	SURFACE	LED CEILING LAMPHOLDER.	EL-2	SPRING CITY ELECTRICAL MFG. CO.	JEF-LE060-2G2-30-FM3-YPLO	LED 3000K	120	60	POLE	PROVIDED BY OWNER
⊕ <sub>L11</sub>	MAXIM LIGHTING	SHORELINE 10104BK	(1) 60W E26 MEDUIM	120	60	SURFACE	WALL MOUNT DECORATIVE OUTDOOR LIGHTING FIXTURE.	EL-3	LEOTEK	AR13-48N-MV-WW-2-XX-100-S	LED 3000K	120	72	POLE	TYPE 2 DISTRIBUTION POLE MOUNTED LIGHTING FIXTURE. PROVIDE DIMMING DRIVER PND1. INTEGRATE WITH LIGHTING CONTROLS.

### <u>NOTES:</u>

- 1. VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
- 2. ALL BALLASTS IN FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES.
- 3. ALL LIGHT FIXTURES TAGGED AS "EM" SHALL BE FED FROM EMERGENCY POWER PANELS. THESE FIXTURES SHALL BE SWITCHED AS INDICATED. UPON LOSS OF NORMAL POWER, EMERGENCY LIGHT FIXTURES SHALL BE AUTOMATICALLY SHUNTED TO FULL BRIGHT REGARDLESS OF STATE OF CONTROLLING SWITCH. SEE DETAIL FOR ADDITIONAL INFORMATION.
- 4. IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT—TO—POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.

31 Mc	amaror	chitecture, p.c. neck Avenue New York 10601
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LRP1 SCHE	DULE (LI	GHTING R	ELAY PANEL)		LSP1 PANEL SCHE	DULE (FL	SED LIFE-SAFETY F	PANEL)		LF	P1 PANEL	SCHE	DULE	
RELAY DESCRIPTION	CIRCUIT BREAKER SERVING RELA	CIRCUIT BREAKER Y SERVING RELA	DESCRIPTION	RELAY NO.	MAIN RATING: <u>100A</u>	MAIN: <u>MLO</u>	KAIC RATING: 42KAI	C		MAIN RATING: <u>100A</u>	M.L	0.	KAIC RATING: <u>42KAIC</u>	
1 LTG – 1ST FLR RM 103	LP1-1	LSP1-2	LTG – 1ST FLR RM 101	2	VOLTAGE: <u>208Y/120V</u>	PHASE: <u>3</u>	wire: <u>4</u> mounting: <u>recesse</u>	<u>= D</u>		VOLTAGE: <u>208Y/120</u> V	PHASE:	<u>3</u> WIRE:	4 MOUNTING: <u>RECESSED</u>	
3 LTG – 1ST FLR RM 120	LP1-1	LSP1-2	LTG – 1ST FLR RM 117	4										
5 LTG – 1ST FLR RM 121	LP1-1	LSP1-2	LTG – 1ST FLR RM 115	6		FUSE NO.	NO. FUSE LOAD DESCRIPTI	CIRC.	CIRC.		BKR. NO.	OF BKR		CI
7 LTG – 1ST FLR RM 124	LP1-3	LSP1-4	LTG – 1ST FLR RM 113	8	NO. LOAD DESCRIPTION	FUSE OF AMPS POLES	OF AMPS LOAD DESCRIPTI	NO.	NO.	LOAD DESCRIPTION	BKR. OF AMPS POLES		LOAD DESCRIPTION	1
9 LTG – 1ST FLR RM 122	LP1-3	LSP1-4	LTG – 1ST FLR RM 119	10										
11 LTG – 1ST FLR RM 124	LP1-3	LSP1-6	LTG – 1ST FLR RM 119	12	1 LTG - ST-2	20 1	1 20 LRP1-2,4,6	2	1 LRF	P1-1,3,5	20 1	1 20	LRP1-47	
13 LTG – 1ST FLR RM 126	LP1-3	LSP1-6	LTG – 1ST FLR RM 119	14	3 FACP	20LK 1	1 20 LRP1-8,10	4	3 LRF	P1-7,9,11,13,15,	20 1	1 15	CEILING FAN - 1ST FLR 119	3
15 LTG – 1ST FLR RM 127	LP1-3	LSP1-8	LTG – 1ST FLR RM 103	16	5 DOOR CONTROLS	20 1	1 20 LRP1-12	6	5 LRF	P1-17,19,21,23,25	20 1	1 15	CEILING FAN - 1ST FLR 119	3
17 LTG – 1ST FLR RM 128	LP1-5	LSP1-8	LTG – 1ST FLR RM 106	18	7 DOOR CONTROLS	20 1	1 20 LRP1-14,16,18,20,22	8		P1-27,29,31,33,35,37	20 1		SITE LIGHTS	
19 LTG – 1ST FLR RM 130	LP1-5	LSP1-8	LTG – 1ST FLR RM 108	20	9 DOOR CONTROLS	20 1	1 20 ELEV LIGHT & ELEV. PIT	- LIGHT 10		PS-1,3,5	20 1		SITE LIGHTS	
21 LTG – 1ST FLR RM 131	LP1-5	LSP1-8	LTG – 1ST FLR RM 125, 132	22	11 DOOR CONTROLS	20 1	1 20 RESCUE ASSISTANCE MA		11 SP.		20 1		LRP1-39 THRU 45	
23 LTG – 1ST FLR RM 125	LP1-5			24										
25 LTG – 1ST FLR RM 132	LP1-5			26	13 DOOR CONTROLS	20 1		14	13 SP.		20 1		SPARE	
27 LTG – 1ST FLR RM 114	LP1-7			28	15 DOOR CONTROLS	20 1		16	15 SP.		20 1		SPARE	
29 LTG – 1ST FLR RM 112	LP1-7			30	17 DOOR CONTROLS	20 1		18	17 SP.		20 1		SPARE	
31 LTG – 1ST FLR RM 111	LP1-7			32	19 DOOR CONTROLS	20 1		20	19 SP.	PARE	20 1	1 20	SPARE	
33 LTG - 1ST FLR RM 106	LP1-7			34	21			22	21					
35 LTG – 1ST FLR RM 107	LP1-7			36	23			24	23					
37 LTG – 1ST FLR RM 110	LP1-7			38	25			26	25					
39 LTG – OUTDOOR (TYPE L17 WEST)	LP1-12			40	27			28	27					
41 LTG - OUTDOOR (TYPE L17 TRAINING BALCONY 2	· ·			42	29			30	29					
43 LTG - OUTDOOR (TYPE L17 TRAINING BALCONY 1				44	31			32	31					
45 LTG – OUTDOOR (TYPE L17 EAST)	LP1-12			46				34						
47 LTG – OUTDOOR	LP1-2			48							0.0 1			
NOTES:					35 SPARE	20 1	1 20 SPARE	36	35 SP.		20 1		SPARE	
1. PANEL SHALL BE GR2400 MASTER RELAY PANEL	WITH 48 RELAYS	S. PROVIDE INTEGI	RAL DIGITAL TIME CLOCK WITH MODEM.		37 SPARE	20 1	1 20 SPARE	38	37 SP.		20 1		SPARE	
2. CONTRACTOR SHALL COORDINATE TIME CLOCK RI	EQUIREMENTS WIT	H THE OWNER AN	D PROGRAM TO SUIT THE OWNERS NEEDS.		39 SPARE	20 1	1 20 SPARE	40	39 SP.	PARE	20 1		SPARE	
3. BARRIER SHALL BE PROVIDED BETWEEN NORMAL					41 SPARE	20 1	1 20 SPARE	42	41 SP.	ARE	20 1	1 20	SPARE	
5. BANNEN SHALL BE TROVIDED BETWEEN NORMAL	AND EMERCENCY	SIDE OF FARLE.			LK – PROVIDE LOCKING TABS					ROVIDE LOCKING TABS ON RC FAULT TYPE C.B.; ST			GP – GFP TYPE C.B.;	
LRPS SCHEDU	ILE (SITE	LIGHTING	RELAY PANEL)		NOTES: PROVIDE INTEGRAL SURGE PR	OTECTOR WITH V	SIBLE STATUS INDICATION AND SURGE	COUNTER.	NOTES:					
RELAY NO. DESCRIPTION	CIRCUIT BREAKER SERVING RELA	CIRCUIT BREAKER Y SERVING RELA	DESCRIPTION	RELAY NO.										
1 LTG – SIGNS AT STREET	LP1-9		SPARE	2					L					
3 RECP – CHRISTMAS TREE AT STREET	LP1-9		SPARE	4										

	LRPS SCHEDUI	_e (site i	lighting	RELAY	PANEL)	
RELAY NO.	DESCRIPTION	CIRCUIT BREAKER SERVING RELAY	CIRCUIT BREAKER SERVING RELAY		DESCRIPTION	REL/ NC
1	LTG – SIGNS AT STREET	LP1-9		SPARE		2
3	RECP – CHRISTMAS TREE AT STREET	LP1-9		SPARE		۷
5	LTG – FLAGPOLE	LP1-9		SPARE		6
7						8
9						1
11						1
			<u>.</u>			

## NOTES:

1. PANEL SHALL BE GR2400 MASTER RELAY PANEL WITH 12 RELAYS. PROVIDE INTEGRAL DIGITAL TIME CLOCK WITH MODEM. 2. CONTRACTOR SHALL COORDINATE TIME CLOCK REQUIREMENTS WITH THE OWNER AND PROGRAM TO SUIT THE OWNERS NEEDS.

31 Mo White	amaror Plains, N	chitecture, p.C. neck Avenue Jew York 10601 F) 914-761-4919
Owner:	Bedford Fire Di 34 Village Bedford, N	Green
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	MAIN RATING: <u>400A</u>	МА	IN C.B.:	<u>400A</u>	<u>\</u>	KAIC RATING: <u>65KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	PH	ASE: <u>3</u>	WIF	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES		BKR. AMPS	LOAD DESCRIPTION	CIRC NO.
1 3 5	ACC-1 (MOD 1)	70	3	3	70	ACC-1 (MOD 2)	2 4 6
7 9 11	ACC-3 (MOD 1)	80	3	3	90	ACC-2	8 10 12
13 15 17	ACC-3 (MOD 2)	80	3	3	70	ACC-4	14 16 18
19	SPARE	20	1	2	15	AC-1 - 1ST FLR MECH RM 114	20
21 23	AC-C - 1ST FLR DAY RM 106 & LOBBY 101	20	2	1	20	GFUH—A — APPARATUS BAY	22 24
25	AC-A – 1ST FLR DISPATCH RM	0.0		1	20	SPARE	26
27	108 & IT RM 109	20	2	1	15	UH-B - 1ST FLR 131	28
29 31	AC-D - 1ST FLR EXERCISE 103	20	2	2	20	ECUH-A – 1ST FLR VEST 107	30 32
33 35	AC-D - 1ST FLR AIR RM 120	20	2	2	20	ECUH-A – 1ST FLR VEST 132	34 36
37 39	AC-D - 2ND FLR CLASSROOM 204 & OFFICE 205	20	2	2	20	ECUH-A – 1ST FLR STAIR ST2	38 40
41 43	AC-A,B,D-2ND FLR COPY 203 CHIEF OFF. 202, DEP OFF. 212	20	2	2	20	ECUH-B - 1ST FLR PWDR 102	42
45				1	15	DHWH-1 - 1ST FLR 114	46
47	VEF-1 - APPARATUS BAY	30	3	1	20	SPARE	48
49				1	15	TX-2 - IST FLR 124	50
51		70	7	1	20	SPARE	52
53 55	VEF—2 — APPARATUS BAY	30	3	2	15	AC-2 - ATTIC	54 56
55				1	20	SPARE	58
59	Washer – Decon Room	20	3	1	20	SPARE	60
61		20		1	20	MOTORIZED DAMPERS	62
63				1	25	SUMP PUMP SP-1	64
65	DRYER – DECON ROOM 4-#8 & 1-#10 GND, 3/4"C	40	3	1	35	AIRVAC (FUTURE)	66
67	#0 & #10 0ND, 0/4 C			1	35	AIRVAC (FUTURE)	68
69	SPARE	20	1	1	35	AIRVAC (FUTURE)	70
71	SPARE	20	1	1	20	SPARE	72

	main rating: <u>100A</u>	МА	IN C.B.	: <u>100A</u>		KAIC RATING: <u>42KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	PH	ASE: 🔮	<u> </u>	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRONO
1	RECP – DEDICATED	20	1	1	20	RECP – DEDICATED	2
3	RECP – DEDICATED	20	1	1	20	RECP – DEDICATED	4
5	RECP – DEDICATED	20	1	2	20		6
7		0.0	0	Ζ	20	RECP – DEDICATED 208V	8
9	RECP – DEDICATED – 208V	20	2	1	20	SPARE	10
11	SPARE	20	1	1	20	SPARE	12
13	SPARE	20	1	1	20	SPARE	14
15	SPARE	20	1	1	20	SPARE	16
17	SPARE	20	1	1	20	SPARE	18
19	SPARE	20	1	1	20	SPARE	20
21	SPARE	20	1	1	20	SPARE	22
23	SPARE	20	1	1	20	SPARE	24
25	SPARE	20	1	1	20	SPARE	26
27	SPARE	20	1	1	20	SPARE	28
29	SPARE	20	1	1	20	SPARE	30
31	SPARE	20	1	1	20	SPARE	32
33	SPARE	20	1	1	20	SPARE	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	4(
41	SPARE	20	1	1	20	SPARE	42
	- PROVIDE LOCKING TABS ON C. - ARC FAULT TYPE C.B.; ST - ES:				C.B.; C	SP — GFP TYPE C.B.;	

	MAIN RATING: <u>200A</u>	МА	IN C.B.	: <u>200A</u>	<u>.</u>	KAIC RATING: <u>42KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	PH	ASE: <u>3</u>	<u>5</u> WIF	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIR
1 3 5	HOSE REEL – 1ST FLR 119	45	3	3	45	HOSE REEL – 1ST FLR 119	2 4 6
7 9 11	HOSE REEL – 1ST FLR 119	45	3	3	45	HOSE REEL – 1ST FLR 119	8 10 12
13 15 17	HOSE REEL – 1ST FLR 119	45	3	3	45	HOSE REEL – 1ST FLR 119	12 16 18
19 21 23	HOSE REEL – 1ST FLR 119	45	3	3	45	HOSE REEL – 1ST FLR 119	20 22 24
25	GENERATOR RECEPTACLE	20	1	1	20	MASS NOTIFICATION POLE	26
27	GENERATOR BATTERY CHARGER	20	1	1	20	SITE FUEL PUMP	28
29	GENERATOR BLOCK HEATER	20	1	1	20	PUMP CHAMBER	30
31	STACKABLE WASHER/DRYER	20	1	1	20	ZAMBONI CHARGER	32
33	GRAGE DOOR MOTOR	20	1	1	20	GRAGE DOOR MOTOR	34
35	GRAGE DOOR MOTOR	20	1	1	20	GRAGE DOOR MOTOR	36
37	GRAGE DOOR MOTOR	20	1	1	20	GRAGE DOOR MOTOR	38
39	GRAGE DOOR MOTOR	20	1	1	20	GRAGE DOOR MOTOR	4(
41	SPARE	20	1	1	20	SPARE	42
43	SPARE	20	1	1	20	SPARE	44
45	SPARE	20	1	1	20	SPARE	46
47	SPARE	20	1	1	20	SPARE	48
49	SPARE	20	1	1	20	SPARE	50
51	SPARE	20	1	1	20	SPARE	52
53	SPARE	20	1	1	20	SPARE	54

	RP1A	+_Ρ,	ANEI	SC	CHE	DULE	
	MAIN RATING: <u>200A</u>	M.L	0.			KAIC RATING: <u>42KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	PH	ASE: <u>3</u>	<u>'</u> WIF	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	RECP – 1ST FLR 106	20	1	1	20	RACK – 1ST FLR 113	2
3	RECP – 1ST FLR 106	20	1	1	20	RACK – 1ST FLR 113	4
5	RECP – 1ST FLR REF. 106	20	1	1	20	RACK – 1ST FLR 113	6
7	RECP - 1ST FLR 106	20	1	1	20	RECP – 1ST FLR 113	8
9	SPARE	20	1	1	20	RECP - 1ST FLR 102,105,110	10
11	RECP – 1ST FLR 108	20	1	1	20	HAND DRYER 1ST FLR 105	12
13	RECP – 1ST FLR 108	20	1	1	20	RECP – 1ST FLR 103	14
15	RECP – 1ST FLR 108	20	1	1	20	RECP – 1ST FLR 103	16
17	RECP – 1ST FLR 115	20	1	1	20	RECP – 1ST FLR 103	18
19	HAND DRYER 1ST FLR 115	20	1	1	20	RECP – 1ST FLR 103	20
21	RECP – 1ST FLR 117	20	1	1	20	RECP – 1ST FLR CORR. & LOBBY	22
23	HAND DRYER – 1ST FLR 117	20	1	1	20	RECP – 1ST FLR 119	24
25	RECP – 1ST FLR 121	20	1	1	20	RECP – 1ST FLR 119	26
27	RECP – 1ST FLR 121	20	1	1	20	RECP – 1ST FLR 111	28
29	RECP – 1ST FLR 123	20	1	1	20	RECP – 1ST FLR WATER FOUNTAINS	30
31	RECP – 1ST FLR 124,125,132	20	1	1	20	RECP - 1ST FLR MECH RM 114	32
33	RECP – 1ST FLR 126,127,128	20	1	1	20	RECP – 1ST FLR 112	34
35	RECP – 1ST FLR 131	20	1	1	20	RECP – 1ST FLR 119	36
37	RECP – 1ST FLR 120	20	1	1	20	RECP – OUTDOOR	38
39	HAND DRYER – 1ST FLR 124	20	1	1	20	RECP – OUTDOOR	40
41	RECP – 1ST FLR 119	20	1	1	20	RECP – ELEVATOR PIT	42
43	RECP - 1ST FLR 119	20	1	1	20	RECP – ICE MACHINE RM 123	44
45	RECP – TV'S 1ST FLR 119	20	1	1	20	RECP – TV'S 1ST FLR 119	46
47	RECP – TV'S 1ST FLR 103	20	1	1	20	SPARE	48
49	HAND DRYER 1ST FLR 105	20	1	1	20	SPARE	50
51	SPARE	20	1	1	20	SPARE	52
53	SPARE	20	1	1	20	SPARE	54
	PROVIDE LOCKING TABS ON C.E ARC FAULT TYPE C.B.; ST – S				).B.; G	;P – GFP TYPE C.B.;	

NOTES:

	MAIN RATING: <u>200A</u>		IN C.B.:				
	VOLTAGE: <u>208Y/120V</u>	H4	ASE: <u>3</u>	. WIF	₹E: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS		NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRO
1 3	GS-1&2 - 1ST FLR MECH 131	20	2	2	15	HV-1 - 1ST FLR 131	2
5 7	B-1 - 1ST FLR 131	20	2	2	15	P-1 - 1ST FLR 131	6 8
9	RADIANT HEAT MANIFOLD 131	20	1	1	20	RADIANT HEAT MANIFOLD 131	10
11 13	MOTORIZED DAMPERS – ATTIC	20 15	1	2	15	SPARE FOR AC-5 – ATTIC (ADD-ALT #1)	12
15 17				2	15	SPARE FOR AC-6 – ATTIC (ADD-ALT #1)	16
19 21	AC-4 - ATTIC SF-1	15 20	2	2	15	AC-C - 2ND FLR	20
23	SPARE	20	1	1	25	UH-A – MEZZZNINE	24
25	DHWH-2	15	1	1	25	UH-A - MEZZZNINE	26
27 29	GX-1 - ROOF	15	3	2	15	TX-1 - ROOF	28
31 33				2	25	EF-1 - AIR ROOM 120	32
35	GX-2 - ROOF	15	3	1	15	HWCP-1 1ST FLR	36
37 39	SPARE	20	1	3	20	DUCT HEATER EDH-3	38
41	SPARE	20	1	1	20		42
43 45	SPARE SPARE	20	1	1	20 20	SPARE SPARE	44
43	SPARE	20			20	SPARE	48
49	SPARE	20	1	1	20	SPARE	50
49 51	SPARE	20		1	20	SPARE	52
53	SPARE	20	1	1	20	SPARE	54
_K –	PROVIDE LOCKING TABS ON C.E ARC FAULT TYPE C.B.; ST — S	3.; GF					

31 Mo White	amaror Plains, N	chitecture, p.c. neck Avenue New York 10601 F) 914-761-4919
Owner:	Bedfor Fire Di <sup>34</sup> Village Bedford, N	Green
MEP Engineer:	50 Broadw 8 West 38t	Consulting Engineers ray, Hawthorne, NY 10532 th St. Suite 501, New York, NY -747-2800
Date Issue           03.10.20         MEE           03.27.20         DES           05.07.20         PRO           05.28.20         CD           06.30.20         CD           09.01.20         CON           09.15.20         ICC	IGN DEVELOF GRESS PROGRESS S PROGRESS S REVIEW SET STRUCTION	SET SET
5.	Fi eadq	ford re uarters Post Road NY 10506
	PA	RICAL NEL DULES
Project No.		NSPC0070.00
Date Scale		03-27-20
Drawing by		NONE JL/WRP
Chaokad by		IF (2)
Checked by	HAN	JF/RS Drawing No. E6.3
20010		2020 Sullivan Architecture

	MAIN RATING: <u>200A</u>		M.L	.0.		KAIC RATING: <u>42KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	PH	ASE: <u>3</u>	. WIF	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC NO.
1 3	EUH-A	15	2	2	15	EUH-A	2
5 7	EUH-A	15	2	2	15	EUH-A	6
9	SPARE	20	1	1	20	RECP 2ND FLOOR	10
11	SPARE	20	1	1	20	RECP 2ND FLOOR	12
13	SPARE	20	1	1	20	SPARE	14
15	SPARE	20	1	1	20	SPARE	16
17							18
19							20
21							22
23							24
25							26
27							28
29							30
31							32
33							34
35							36
37							38
39							40
41							42
	PROVIDE LOCKING TABS ON C.E ARC FAULT TYPE C.B.; ST - S				с.в.; с	GP — GFP TYPE C.B.;	

	MAIN RATING: <u>200A</u>	МА	IN C.B.:	<u>200A</u>	-	KAIC RATING: <u>42KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	PH	ASE: <u>3</u>	_ WIF	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC NO.
1	RECP – 2ND FLR 202	20	1	1	20	RECP – 2ND FLR 204	2
3	RECP – 2ND FLR 202	20	1	1	20	RECP – 2ND FLR 204	4
5	RECP – 2ND FLR 203	20	1	1	20	RECP – 2ND FLR 204	6
7	RECP - 2ND FLR 203 (COPIER)	20	1	1	20	RECP – 2ND FLR 204	8
9	RECP – 2ND FLR 212	20	1	1	20	RECP – 2ND FLR 205	10
11	RECP – 2ND FLR 212	20	1	1	20	RECP – 2ND FLR 205	12
13	RECP - 2ND FLR 207, 210, 211	20	1	1	20	RECP - 2ND FLR 206, 213, 214	14
15	RECP – 2ND FLR 218, 220	20	1	1	20	RECP - 2ND FLR 209, 208, 215	16
17	RECP – 2ND FLR HALL CLOSET	20	1	1	20	RECP – 2ND FLR 216, 217	18
19	RECP - 2ND FLR HALL CLOSET	20	1	1	20	RECP - 2ND FLR M-01	20
21	RECP - 2ND FLR HALL CLOSET	20	1	1	20	RECP – 2ND FLR M-02	22
23	RECP – 2ND FLR WATER BOTTLE FILL	20	1	1	20	RECP – 2ND FLR 206	24
25	HAND DRYER 2ND FLR 210	20	1	1	20	RECP – ATTIC	26
27	HAND DRYER 2ND FLR 211	20	1	1	20	RECP - TV 2ND FLR 204	28
29	OUTDOOR SIGN	20	1	1	20	SPARE	30
31	SPARE	20	1	1	20	SPARE	32
33	SPARE	20	1	1	20	SPARE	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42
	PROVIDE LOCKING TABS ON C.B - ARC FAULT TYPE C.B.; ST – S ES:						

	MAIN RATING: <u>100A</u>					KAIC RATING: <u>42KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	, НЧ	ASE: <u>&gt;</u>	_ WIF	76: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	FUSE AMPS	NO. OF POLES	NO. OF POLES	FUSE AMPS	LOAD DESCRIPTION	CIRC. NO.
1	LRP2-2,4	20	1	1	20	LRP2-2,4	2
3	SPARE	20	1	1	20	LRP2-6,8	4
5	SPARE	20	1	1	20	LRP2-10	6
7	LTG – 2ND FLR ST-1	20	1	1	20	LRP2-12,14,16	8
9	SPARE	20	1	1	20	LRP2-18,20,22,24,26,28	10
11	SPARE	20	1	1	20	SPARE	12
13	SPARE	20	1	1	20	SPARE	14
15	SPARE	20	1	1	20	SPARE	16
17							18
19							20
21							22
23							24
25							26
27							28
29							30
31							32
33							34
35							36
37							38
39							40
41							42
	PROVIDE LOCKING TABS						

	MAIN RATING: <u>200A</u>	МА	IN C.B.	: <u>200</u> A	_	KAIC RATING: <u>42KAIC</u>	
	VOLTAGE: <u>208Y/120V</u>	PH	ASE: 🚊	<u>5</u> Wif	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS		CIRC NO.
1	_			_	_	_	2
3	_	_	_	_	_	_	4
5	_		_	_	_	_	6
7	_		_	_	_	_	8
9	_		_	_	_	_	10
11	_		_	_	_	_	12
13	_		_	_	_	_	14
15	_		_	_	_	_	16
17	_		_	_	_	_	18
19	_		_	_	_	_	20
21	_	_	_	_	_	_	22
23	_		_	_	_	_	24
25	_	_	—	_	_	_	26
27	_	_	—	_	_	_	28
29	_	_	—	_	_	_	30
31	_	_	—	_	_	_	32
33	_	_	—	_	_	_	34
35	SPARE	20	1	1	20	SPARE	36
37	SPARE	20	1	1	20	SPARE	38
39	SPARE	20	1	1	20	SPARE	40
41	SPARE	20	1	1	20	SPARE	42
LK –	- PROVIDE LOCKING TABS ON C - ARC FAULT TYPE C.B.; ST —	.B.; GF	– GFI	1 TYPE ( B.			42

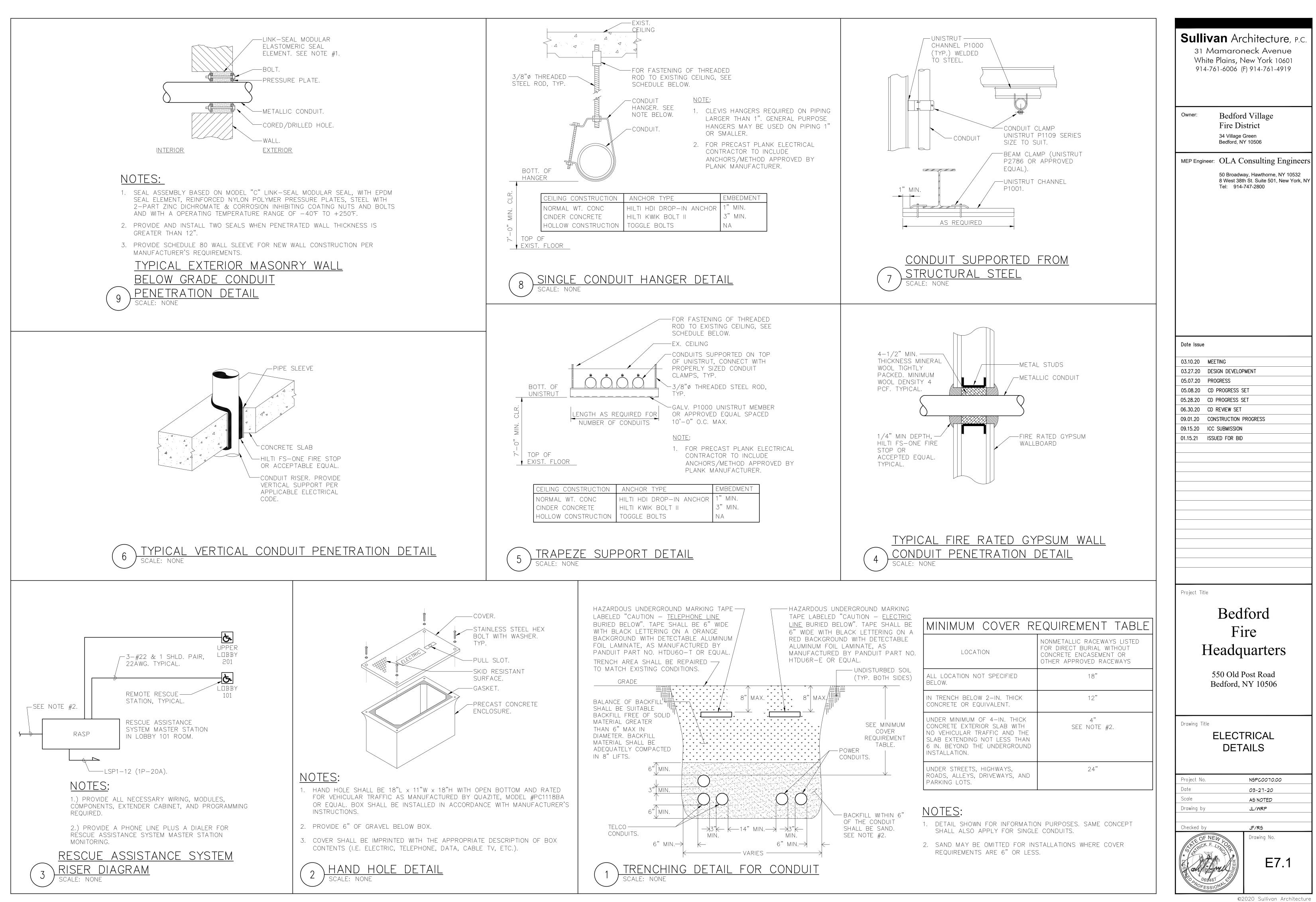
	LRP2 SCHEDULE (LIGHTING RELAY PANEL)						
RELAY NO.	DESCRIPTION	CIRCUIT BREAKER SERVING RELAY	CIRCUIT BREAKER SERVING RELAY	DESCRIPTION	RELA NO		
1	LTG – 2ND FLR RM 202	LP2-1	LSP2-2	LTG – 2ND FLR RM 202	2		
3	LTG – 2ND FLR RM 212	LP2-1	LSP2-2	LTG – 2ND FLR RM 212	4		
5	LTG – 2ND FLR RM 210	LP2-1	LSP2-4	LTG – 2ND FLR RM 201	6		
7	LTG – 2ND FLR RM 211	LP2-1	LSP2-4	LTG – 2ND FLR RM 215	8		
9	LTG – 2ND FLR RM 204	LP2-3	LSP2-6	LTG – 2ND FLR RM 219	10		
11	LTG – 2ND FLR RM 205	LP2-3	LSP2-8	LTG – 2ND FLR RM 209	12		
13	LTG – 2ND FLR RM 206	LP2-3	LSP2-8	LTG – 2ND FLR RM 210	14		
15	LTG – 2ND FLR RM 214	LP2-3	LSP2-8	LTG – 2ND FLR RM 211	16		
17	LTG – 2ND FLR RM 213	LP2-3	LSP2-10	LTG – 2ND FLR RM 204	18		
19	LTG – 2ND FLR RM 208	LP2-3	LSP2-10	LTG – 2ND FLR RM 205	20		
21	LTG – 2ND FLR RM 216	LP2-5	LSP2-10	LTG – MEZZANINE M–01	22		
23	LTG – 2ND FLR RM 217	LP2-5	LSP2-10	LTG – MEZZANINE M-02	24		
25	LTG – 2ND FLR RM 220	LP2-5	LSP2-10	LTG – MEZZANINE STORAGE	26		
27	LTG – 2ND FLR RM 218	LP2-5	LSP2-10	LTG – 2ND FLR RM 203	28		
29	OUTDOOR	LP2-5					
31	LTG – MEZZANINE M–02	LP2-7			32		
33	LTG – MEZZANINE STORAGE	LP2-7			34		
35	LTG – 2ND FLR RM UNNAMED	LP2-5			36		
37	LTG – 2ND FLR RM 207	LP2-5			38		
39	LTG – ATTIC	LP2-7			4(		
41					42		
43					44		
45					46		
47					48		
1. P 2. C	TES: ANEL SHALL BE GR2400 RELAY PANE CONTRACTOR SHALL COORDINATE TIME DEEDS.						

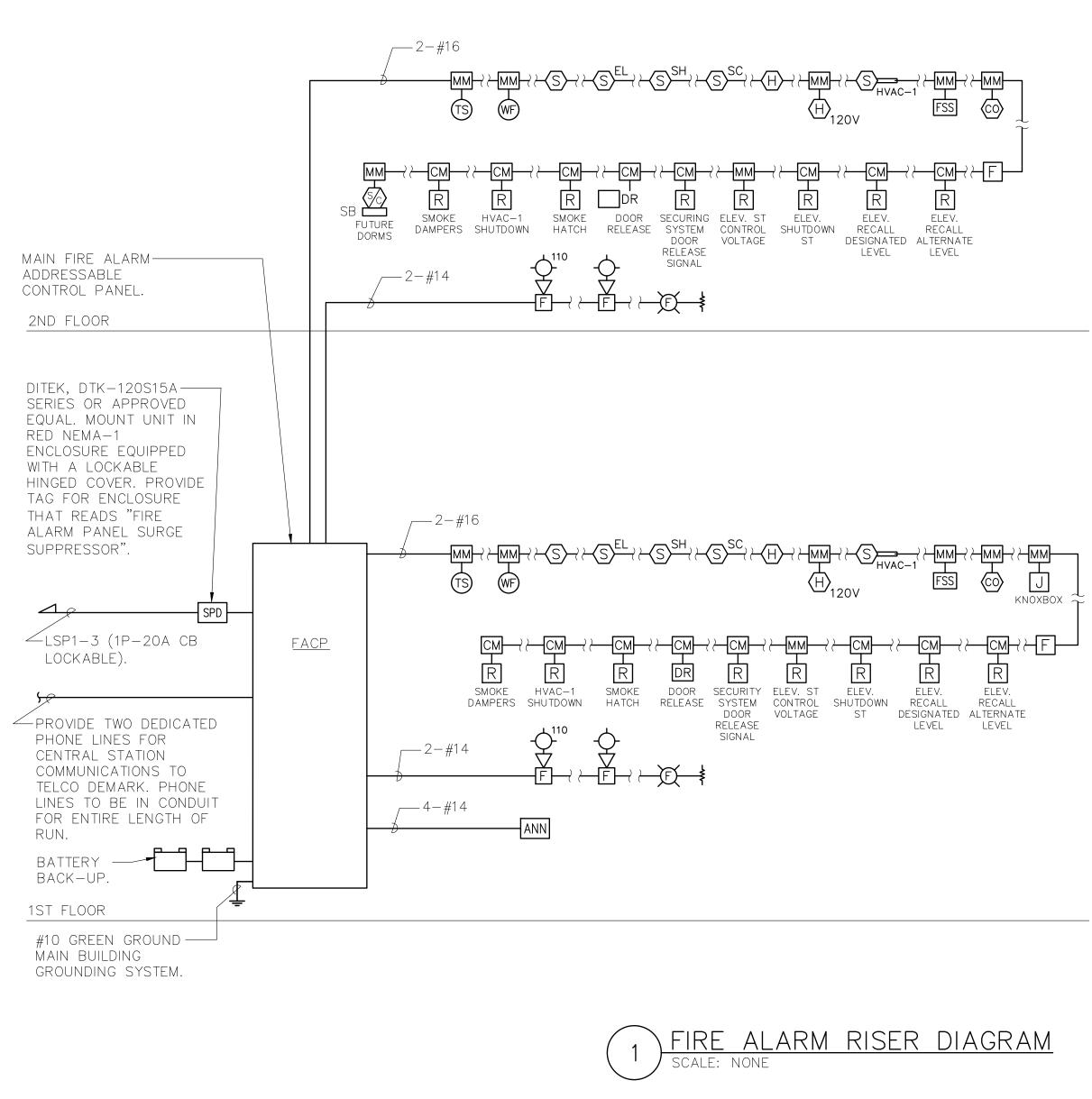
	MAIN RATING:
	VOLTAGE: <u>208</u> `
CIRC. NO.	LOAD DESCRIPTIC
1	LRP2-1,3,5,7
3	LRP2-9,11,13,15,17,19
5	LRP2-21,23,25,27,35,
7	LRP2-31,33,39
9	
11	
13	
15	
17	
19	
21	
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29	
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41	
	PROVIDE LOCKING TA ARC FAULT TYPE C.E
NOTE	IS:

Sullivan Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919				
Fire D 34 Village				
50 Broad 8 West 38	Consulting Engineers way, Hawthorne, NY 10532 3th St. Suite 501, New York, NY 4-747-2800			
Date Issue           03.10.20         MEETING           03.27.20         DESIGN DEVELO           05.07.20         PROGRESS           05.08.20         CD PROGRESS           05.28.20         CD PROGRESS           06.30.20         CD REVIEW SET           09.01.20         CONSTRUCTION           09.15.20         ICC SUBMISSION           01.15.21         ISSUED FOR BI	SET SET F PROGRESS			
Project Title				
Bec F	lford ire juarters			
550 Old	Post Road NY 10506			
	CAL PANEL DULES			
Project No. Date Scale Drawing by	NSPC0070.00 03-27-20 NONE JL/WRP			
Checked by	JF/RS			

# LP2 PANEL SCHEDULE

<u>100A</u>	МА	IN C.B.:	MLO		KAIC RATING: <u>42KAIC</u>	
Y/120V	PH	ASE: <u>3</u>	WIF	RE: <u>4</u>	MOUNTING: <u>SURFACE</u>	
NC	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIR NC
	20	1	1	20	SPARE	2
1	20	1	1	20	SPARE	4
.37	20	1	1	20	SPARE	6
	20	1	1	20	SPARE	8
						10
						12
						14
						16
						18
						20
						22
						24
						26
						28
						30
						32
						34
						36
						38
						40
						42
.BS ON C.E 3.; ST – S				C.B.; C	SP — GFP TYPE C.B.;	
J., JI – J		INIE U				





#### RISER NOTES:

- 1. THIS IS NOT A POINT-TO-POINT WIRING DIAGRAM. PRIOR TO STARTING ANY WORK, A WORKING POINT-TO-POINT WIRING DIAGRAM SHALL BE OBTAINED FROM FIRE ALARM SYSTEM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
- 2. ELECTRICAL CONTRACTOR SHALL INCLUDE IN THE BASE BID ALL 120V CIRCUITS THAT ARE REQUIRED TO SUPPORT THE OPERATION OF THE FIRE ALARM SYSTEM. COORDINATE REQUIREMENTS WITH THE FIRE ALARM VENDOR.
- 3. QUANTITY OF STROBE BOOSTER POWER SUPPLY PANELS AND ASSOCIATED 120V CIRCUITS SHALL BE COORDINATED WITH SELECTED FIRE ALARM SYSTEM MANUFACTURER AND/OR FIRE ALARM VENDOR.
- 4. PROVIDE ALL NECESSARY WIRING, MODULES, COMPONENTS, EXTENDER CABINET, AND PROGRAMMING REQUIRED TO CONNECT NEW DEVICES.
- 5. PROVIDE ALL NECESSARY HARDWARE AND PROGRAMMING TO PROVIDE THE CLIENT WITH 20% SPARE CAPACITY ON ALL INITIATING AND INDICATING CIRCUITS.
- 6. PROVIDE AS PART OF THE BASE CONTRACT ALL LABOR AND MATERIALS TO INSTALL FIFTEEN (15) ADDITIONAL FIRE ALARM DEVICES DURING CONSTRUCTION. THE FIFTEEN (15) FIRE ALARM DEVICES CAN BE BUT NOT LIMITED TO SMOKE DETECTOR, HEAT DETECTOR, DOOR HOLDER, DUCT DETECTOR, FAN SHUTDOWN, TAMPER SWITCHES, FLOW SWITCHES, ETC. INCLUDE ALL LABOR AND MATERIALS INCLUDING WIRE, BOXES, CONDUIT, TERMINATIONS, HARDWARE, SOFTWARE, PROGRAMMING AND TESTING.
- 7. HEAT DETECTORS IN ELEVATOR MACHINE ROOM AND/OR SHAFT SHALL HAVE A LOWER TEMPERATURE RATING THAN THE NEARBY SPRINKLER HEAD(S). HEAT DETECTORS SHALL BE INSTALLED 2'-0" MAXIMUM AWAY FROM EACH SPRINKLER HEAD IN THE ELEVATOR MACHINE ROOM AND EACH HEAD LOCATED GREATER THAN 2'-0" ABOVE THE FLOOR OF THE ELEVATOR SHAFT. UPON ACTIVATION OF A HEAT DETECTOR USED FOR ELEVATOR POWER SHUTDOWN, THERE SHALL BE A DELAY IN THE ACTIVATION OF THE POWER SHUNT TRIP. THIS DELAY SHALL BE THE TIME THAT IT TAKES THE ELEVATOR CAB TO TRAVEL FROM THE TOP OF THE HOISTWAY TO THE LOWEST RECALL LEVEL. COORDINATE WITH ELEVATOR CONTRACTOR.
- 8. DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALLED IN DUCT WORK BY MECHANICAL CONTRACTOR.
- 9. CARBON MONOXIDE AND NATURAL GAS DETECTORS SHALL BE SUPERVISED BY FIRE ALARM SYSTEM BUT SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE DETECTORS SHALL CONTAIN INTERNAL HORNS TO PROVIDE LOCAL ALARM ONLY.
- 10. ALL VISUAL ALARM DEVICES SHALL BE ADA COMPLIANT.
- 11. MAKE CONNECTIONS TO SIDES OR BOTTOM OF FACP ONLY.
- 12. ELECTRICAL CONTRACTOR TO PROVIDE A RELAY FOR EACH SMOKE DAMPER/COMBINATION FIRE SMOKE DAMPER. RELAYS ARE NOT SHOWN ON PLANS FOR CLARITY.
- 13. DOOR HOLDERS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
- 14. MAINTAIN A 19" TO 24" CLEARANCE AROUND THE CENTERLINE OF THE BEAM OF BEAM TYPE SMOKE DETECTORS.
- 15. PROVIDE REMOTE LED INDICATORS FOR ALL CONCEALED FIRE ALARM DEVICES SUCH AS DUCT SMOKE DETECTORS, ABOVE CEILING SMOKE DETECTORS, ELEVATOR SHAFT DETECTORS, MONITORING AND CONTROL MODULES, ETC. LED INDICATORS FOR DEVICES MOUNTED ABOVE DROP CEILINGS SHALL BE MOUNTED BELOW ASSOCIATED DEVICES. LABEL INDICATORS TO INDICATE DEVICE SERVED.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE ENGINEER WITH AN ACCURATE AS-BUILT FIRE ALARM DRAWING, SHOWING INSTALLED DEVICE LOCATIONS AND A COMPLETE INTERCONNECTION WIRING DIAGRAM OF THE SYSTEM. THE DRAWINGS SHALL BE PROVIDED IN AUTOCAD FORMAT AND HARD COPIES. AS-BUILT DRAWINGS MUST BE PROVIDED TO THE ENGINEER BEFORE PROJECT CAN BE CLOSEOUT.
- 17. CONTRACTOR TO PROVIDE SMOKE DETECTOR(S) IN ALL LOCATIONS CONTAINING FIRE ALARM CONTROL PANELS, DATA GATHERING PANELS, BOOSTER POWER SUPPLIES, OR ANY OTHER FIRE ALARM SYSTEM PANEL, WHETHER SHOWN ON PLANS OR NOT.

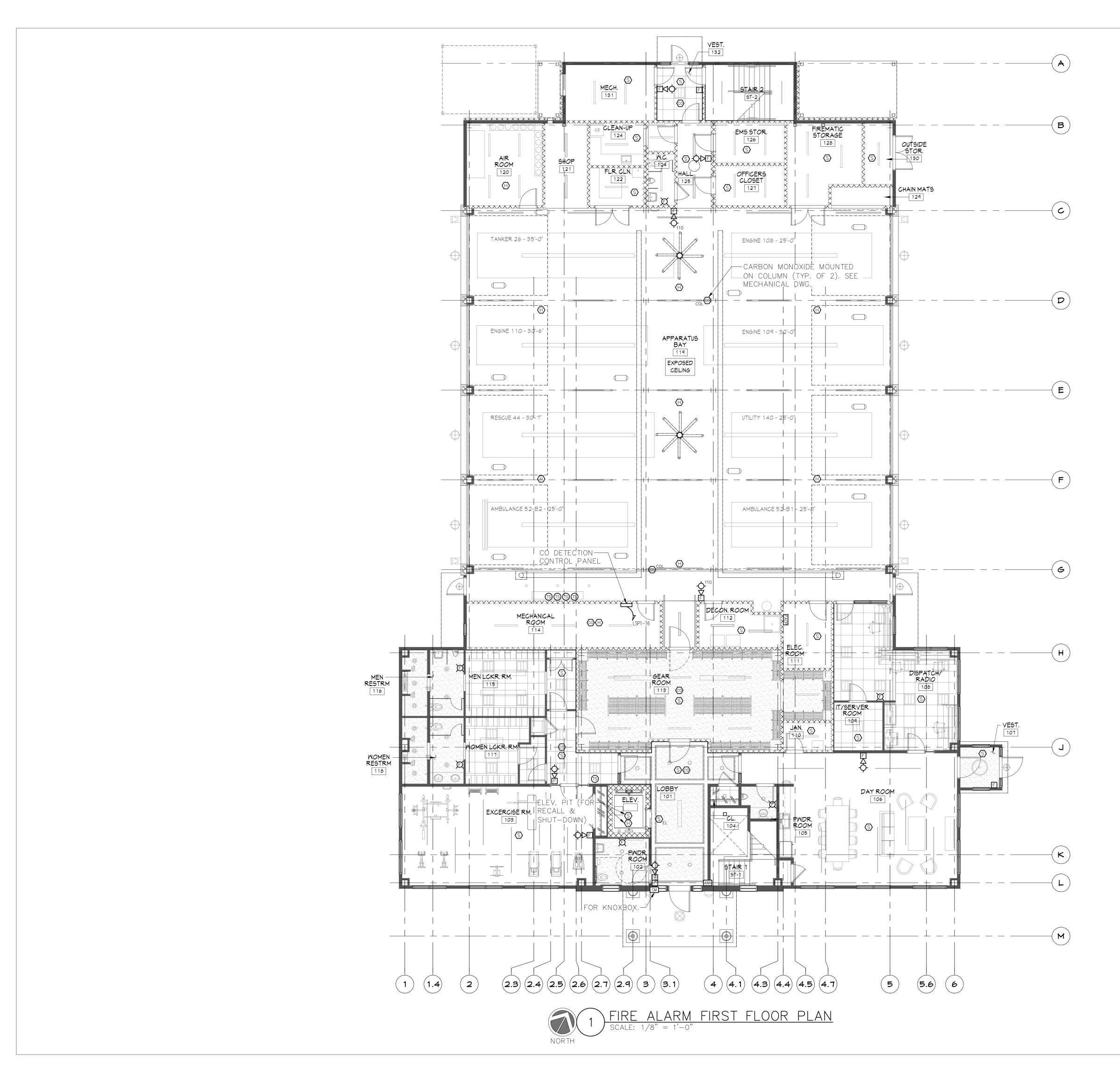
NOTES:

FIRE

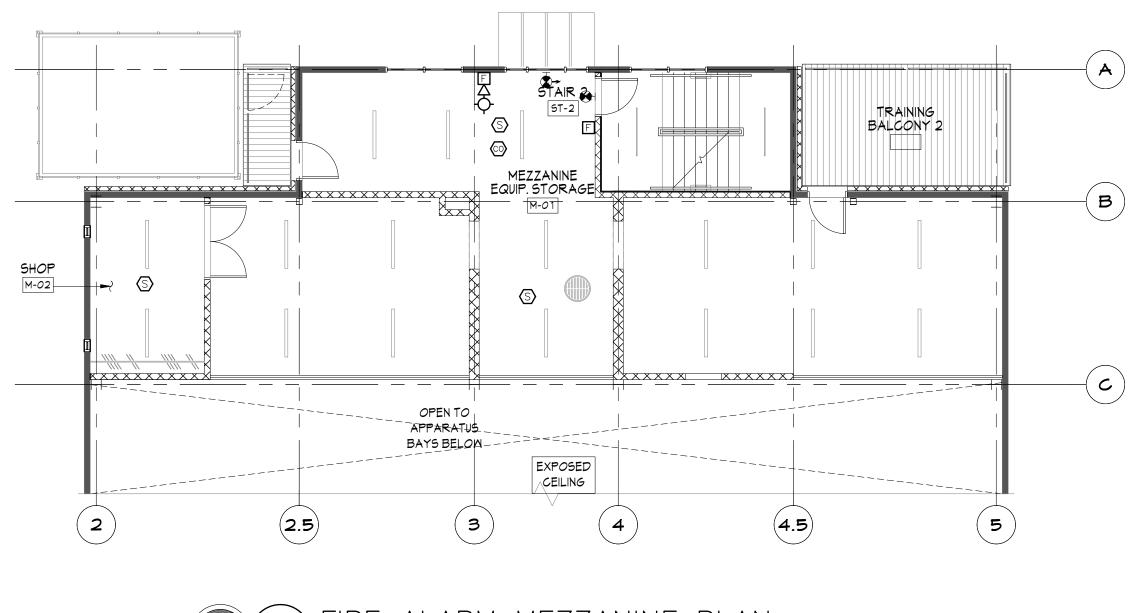
re alarm	SYMBOL	S
SYMBOL	ABBREVIATION	DESCRIPTION
F	_	FIRE ALARM MANUAL PULL STATION
EA¢	_	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (15/75 CD – STROBE)
EKI\$\$	_	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (110 CD – STROBE)
Ę		FIRE ALARM STROBE 15/75 CD
)E( <sup>110</sup>	_	FIRE ALARM STROBE 110 CD
(S) <sub>el; SH; SC</sub>	_	SMOKE DETECTOR. EL – ELEVATOR LOBBY; SH – SMOKE HATCH; SC – PLENUM RATED ABOVE CEILING
SB	SB	FIRE ALARM DEVICE. SB – SOUNDER BASE FOR SMOKE OR CARBON MONOXIDE DETECTOR
	_	CARBON MONOXIDE DEVICE (15/75 CD – STROBE)
(S)	_	DUCT MOUNTED SMOKE DETECTOR
<pre>(H)</pre>	_	HEAT DETECTOR
- (co) –		CARBON MONOXIDE DETECTOR
NG	_	NATURAL GAS DETECTOR
O F	_	FIRE ALARM BELL
TS	_	FIRE ALARM TAMPER SWITCH
WF	_	FIRE ALARM WATER FLOW SWITCH
(WS)	_	FIRE ALARM WARDEN STATION
DR	_	FIRE ALARM DOOR RELEASE
ANN		FIRE ALARM ANNUNCIATOR PANEL
СМ	СМ	FIRE ALARM CONTROL MODULE
MM	MM	FIRE ALARM MONITORING MODULE
FACP	FACP	FIRE ALARM CONTROL PANEL
BPS	BPS	BOOSTER POWER SUPPLY
DGP	DGP	DATA GATHERING PANEL
FCS	FCS	FIRE COMMAND STATION
FSS	FSS	FIRE SUPPRESSION SYSTEM PANEL
R	_	FIRE ALARM RELAY
	EOL	END OF LINE RESISTOR
	SD OR CFSD	SMOKE DAMPER
	ST	SHUNT TRIP
<u>S:</u>		

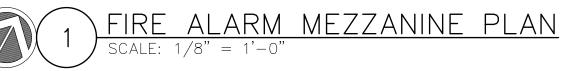
1. ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE APPLICABLE FOR THIS PROJECT

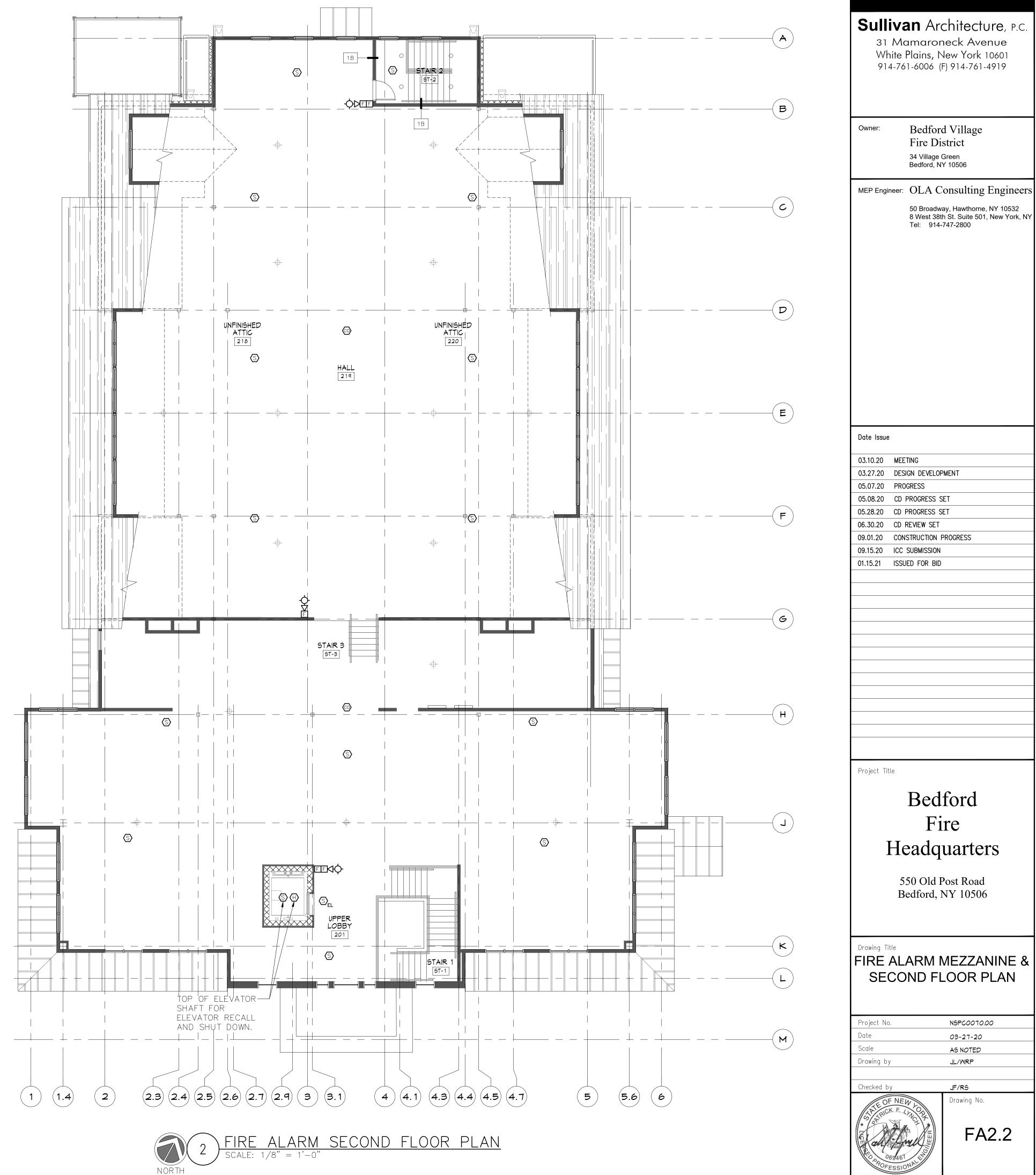
31 Ma	<b>Sullivan</b> Architecture, P.C. 31 Mamaroneck Avenue White Plains, New York 10601				
		F) 914-761-4919			
	Bedford Fire Di 34 Village ( Bedford, N	Green			
	50 Broadwa	onsulting Engineers ay, Hawthorne, NY 10532 h St. Suite 501, New York, NY 747-2800			
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He 55	Fi eadq	ford re uarters Post Road NY 10506			
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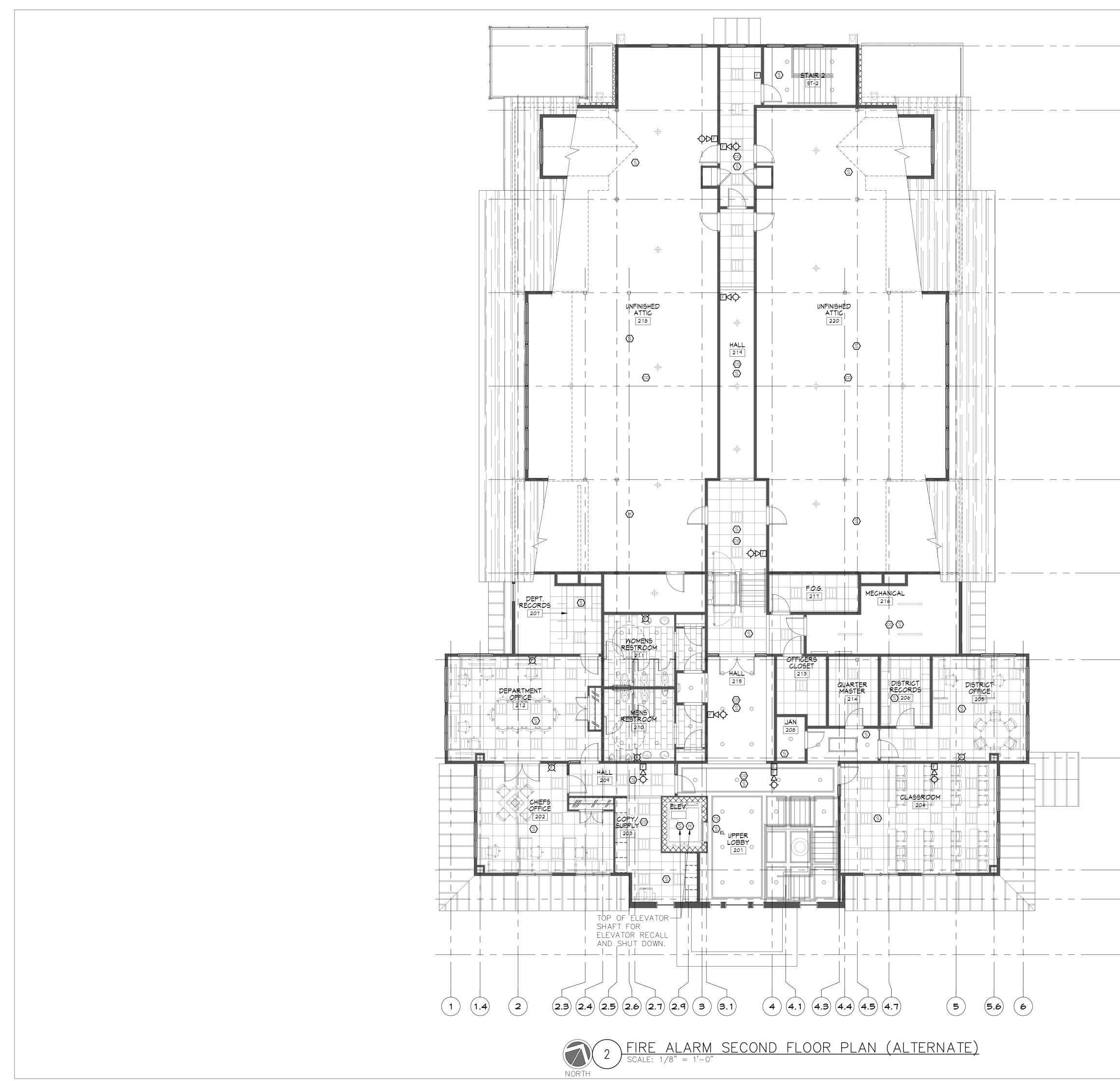


Sullivan Architecture, p.C. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919				
Owner:	Bedford Fire Di 34 Village Bedford, N	Green		
MEP Engineer:	OLA C 50 Broadw 8 West 38t	Y 10506 Consulting Engineers ay, Hawthorne, NY 10532 h St. Suite 501, New York, NY 747-2800		
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Project Title	Project Title Bedford Fire			
Headquarters 550 Old Post Road Bedford, NY 10506				
Drawing Title FIRE ALARM FIRST FLOOR PLAN				
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	Sullivan Architecture, p.c. 31 Mamaroneck Avenue White Plains, New York 10601 914-761-6006 (F) 914-761-4919
B	Owner: Bedford Village Fire District 34 Village Green Bedford, NY 10506
- <b>C</b>	MEP Engineer: OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 8 West 38th St. Suite 501, New York, NY Tel: 914-747-2800
E	Date Issue 03.10.20 MEETING
F	03.27.20DESIGN DEVELOPMENT05.07.20PROGRESS05.08.20CD PROGRESS SET05.28.20CD PROGRESS SET06.30.20CD REVIEW SET09.01.20CONSTRUCTION PROGRESS09.15.20ICC SUBMISSION01.15.21ISSUED FOR BID
- <b>G</b>	
H	Project Title
	Bedford Fire Headquarters 550 Old Post Road Bedford, NY 10506
- <b>K</b>	Drawing Title FIRE ALARM SECOND FLOOR PLAN (ALTERNATE)
M	Project No. NSPC0070.00 Date 03-27-20 Scale AS NOTED Drawing by JL/WRP Checked by JF/RS Drawing No. FA2.2A