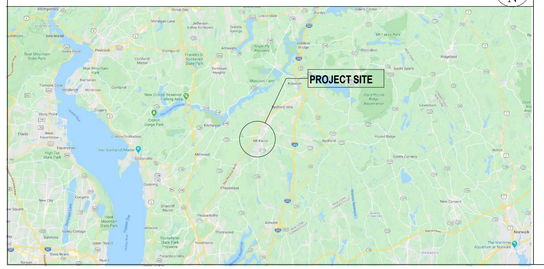
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549
H2M Project No. MKIV1803
12-13-2021

VICINITY MAP

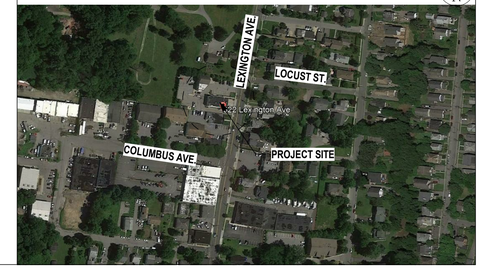


GINA PICINICH - MAYOR

FRANCIS MANNION - COMMISSIONER

KENNETH FAMULARE - ASSISTANT VILLAGE MANAGER

LOCATION MAP



ABBREVIATIONS

A.C.M.U.	ARCHITECTURAL CONCRETE MASONRY UNIT	HORIZ.	HORIZONTAL
A.F.F.	ABOVE FINISHED FLOOR	HR.	HOUR
ALUM.	ALUMINUM	INSUL.	INSULATED/INSULATION
APPROX.	APPROXIMATE	INT.	INTERIOR
@	AT	MECH.	MECHANICAL
B/O	BOTTOM OF	MAX.	MAXIMUM
BM.	BEAM	M.C.	MECHANICAL CONTRACTOR
BLDG.	BUILDING	M.D.O.	MEDIUM DENSITY OVERLAY
C.B.	CATCH BASIN	MTL.	METAL
CLG.	CEILING	MIN.	MINIMUM
C.G.	CORNER GUARD	M.O.	MASONRY OPENING
℄	CENTERLINE	M.R.	MOISTURE RESISTANT
C.O.	CLEANOUT	N.F.W.H.	NON FREEZE WALL HYDRANT
COL.	COLUMN	N.I.C.	NOT IN CONTRACT
CONC.	CONCRETE	NL.	NIGHT LIGHT
C.M.U.	CONCRETE MASONRY UNIT	N.T.S.	NOT TO SCALE
CONT.	CONTINUOUS	O.C.	ON CENTER
CPT.	CARPET	O.H.	OVERHEAD
C.T.	CERAMIC TILE/PORCELAIN TILE	OPP.	OPPOSITE
C.J	CONTROL JOINT	OPNG.	OPENING
DIA.	DIAMETER	P.LAM.	PLASTIC LAMINATE
DHW.	DOMESTIC HOT WATER HEATER	PLUMB.	PLUMBING
DN.	DOWN	PLYWD.	PLYWOOD
D.S.	DOWNSPOUT	P.C.	PLUMBING CONTRACTOR
DWG.	DRAWINGS	P.S.F.	POUNDS PER SQUARE FOOT
D.F.	DRINKING FOUNTAIN	P.S.I.	POUNDS PER SQUARE INCH
EA.	EACH	PT.	PAINT
E.C.	ELECTRICAL CONTRACTOR	P.T.	PRESSURE TREATED
EJ	EXPANSION JOINT	Q.T.	QUARRY TILE
ELEC.	ELECTRICAL	R#	RESISTANCE R-VALUE (INSUL.)
ELEV.	ELEVATION	RAD.	RADIUS (CURVES)
EPOXY PT.	EPOXY PAINT	REINF.	REINFORCEMENT
EXP.	EXPOSED	REQ'D.	REQUIRED
EXIST.	EXISTING	RM.	ROOM
EXR	EXISTING TO REMAIN	R.O.	ROUGH OPENING
EXT.	EXTERIOR	S.A.C.	SUSPENDED ACOUSTICAL CEILING
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM	SIM.	SIMILAR
FIN.	FINISH	SF	SQUARE FOOT
FE.	FIRE EXTINGUISHER	S/S or S.S.	STAINLESS STEEL
F.F.	FINISHED FLOOR	S.D.T.	STATIC DISSIPATIVE TILE
FEC.	FIRE EXTINGUISHER IN CABINET	STRUCT.	STRUCTURAL
FLR.	FLOOR	T.B.B.	TILE BACKER BOARD
F.R.P.	FIBER REINFORCED PANEL	T.O.F.	TOP OF FOOTING
F.R.	FIRE RETARDANT	T.O.M.	TOP OF MASONRY
FS	FLOOR SINK	T.O.S.	TOP OF STEEL BAR JOIST OR BEAM
FD	FLOOR DRAIN	T.O.W.	TOP OF WALL
F/W	FACE OF WALL	TYP.	TYPICAL
GALV.	GALVANIZED	TYPE 'X'	FIRE CODE GWB
GA.	GAUGE	U.O.N.	UNLESS OTHERWISE NOTED
G.C./G.C.C.	GENERAL CONTRACTOR	V.B.	VAPOR BARRIER/VAPOR RETARDER
GYP.	GYPSUM	V.R.	VAPOR RETARDER
GWB/G.W.B.	GYPSUM WALL BOARD	V.C.T.	VINYL COMPOSITION TILE
HDCP.	HANDICAPPED	V.I.F.	VERIFY IN FIELD
HVAC.	HEATING, VENTILATING & AIR CONDITIONING	WR.	WATER RESISTANT
H.M.	HOLLOW METAL	W/	WITH

DRAWING LIST

#	C	= SHEET SHOULD BE PRINTED IN COLOR
	C	G0.1 COVER
	C	G1.1 2020 NEW YORK STATE CODE ANALYSIS, NOTES AND LEGENDS
		V 100.00 EXISTING CONDITIONS PLAN
		CD 100.00 DEMOLITION AND EROSION AND SEDIMENT CONTROL PLAN
		CS 100.00 DIMENSIONAL SITE PLAN
		C 500.00 SITE DETAILS
		C 501.00 SITE DETAILS
		S 100 FOUNDATION PLAN, SLAB PLAN, & DESIGN LOADS
		S 121 SECOND FLOOR FRAMING & ROOF FRAMING PLAN
		S 500 DETAILS
		S 501 DETAILS
		D1.1 FIRST FLOOR, SECOND FLOOR AND ROOF DEMOLITION PLANS
		A0.1 PARTITION TYPES AND UL LISTINGS
		A1.1 FIRST AND SECOND FLOOR PLANS
		A1.2 REFLECTED CEILING PLANS
		A1.3 ROOF PLAN AND DETAILS
		A2.1 BUILDING ELEVATIONS
		A3.1 BUILDING SECTIONS
		A3.2 WALL DETAILS
		A4.1 ENLARGED ELEVATOR PLANS AND DETAILS
		A5.1 ENLARGED PLANS, INTERIOR ELEVATIONS
		A6.1 PLAN AND SECTION DETAILS
		A7.1 DOOR SCHEDULE AND DETAILS
		A8.1 WINDOW SCHEDULE, ELEVATIONS AND DETAILS
		A9.1 FINISH SCHEDULE AND DETAILS
		P 001.00 PLUMBING NOTES, LEGEND, AND ABBREVIATIONS
		P 002.00 PLUMBING SCHEDULES
		PS 100.00 PLUMBING SITE PLAN
		PD 110.00 PLUMBING DEMOLITION FIRST FLOOR PLAN
		PD 111.00 PLUMBING DEMOLITION SECOND FLOOR PLAN
		P 120.00 DOMESTIC WATER AND GAS FIRST FLOOR PLUMBING PLAN
		P 121.00 DOMESTIC WATER AND GAS SECOND FLOOR PLUMBING PLAN
		P 130.00 SANITARY, VENT AND STORM UNDERSLAB PLAN
		P 131.00 SANITARY, VENT & STORM FIRST FLOOR PLAN
		P 132.00 SANITARY, VENT AND STORM SECOND FLOOR PLAN
		P 140.00 PLUMBING ROOF PLAN
		P 500.00 PLUMBING DETAILS I
		P 501.00 PLUMBING DETAILS II
		P 600.00 DOMESTIC WATER AND GAS RISER DIAGRAM
		P 601.00 SANITARY AND VENT RISER DIAGRAM
		P 602.00 STORM RISER DIAGRAM
		M 001 GENERAL HVAC NOTES, LEGENDS, AND ABBREVIATIONS
		MD111 FIRST FLOOR HVAC DEMO PLAN
		MD112 SECOND FLOOR HVAC DEMO PLAN
		MD113 ROOF HVAC DEMO PLAN
		M 131 FIRST FLOOR HVAC CONSTRUCTION PLAN
		M 132 SECOND FLOOR DUCTWORK PLAN
		M 133 ROOF DUCTWORK PLAN
		M 510 DETAILS
		M 520 DETAILS
		M 610 SCHEDULES
		M 630 KITCHEN SCHEDULE AND DETAILS
		M 640 KITCHEN SCHEDULE AND DETAILS
		M 650 KITCHEN SCHEDULE AND DETAILS
		M 660 KITCHEN SCHEDULE AND DETAILS
		E 001 ELECTRICAL GENERAL NOTES AND LEGENDS
		ES 100 ELECTRICAL SITE PLAN
		ED 111 ELECTRICAL DEMOLITION PLAN FIRST FLOOR
		ED 112 ELECTRICAL DEMOLITION PLAN SECOND FLOOR
		ED 113 ELECTRICAL DEMOLITION PLAN ROOF
		E 101 ELECTRICAL POWER PLAN FIRST FLOOR
		E 102 ELECTRICAL POWER PLAN SECOND FLOOR
		E 111 ELECTRICAL HVAC POWER PLAN FIRST FLOOR
		E 112 ELECTRICAL HVAC POWER PLAN SECOND FLOOR
		E 113 ELECTRICAL HVAC POWER PLAN ROOF
		E 121 ELECTRICAL LIGHTING PLAN FIRST FLOOR
		E 122 ELECTRICAL LIGHTING PLAN SECOND FLOOR
		E 140 ELECTRICAL GENERATOR PLAN
		E 500 ELECTRICAL DETAILS
		E 540 ELECTRICAL GENERATOR DETAILS
		E 600 ELECTRICAL SCHEDULES
		E 601 ELECTRICAL PANEL SCHEDULES
		E 610 ELECTRICAL SINGLE LINE DIAGRAM
		FA 001 FIRE ALARM LEGENDS AND RISER DIAGRAMS
		FA 101 FIRE ALARM FIRST FLOOR PLAN
		FA 102 FIRE ALARM SECOND FLOOR PLAN
		FA 103 FIRE ALARM ROOF PLAN

PROFESSIONAL SEALS

CIVIL	STRUCTURAL	ARCHITECTURE	PLUMBING	MECHANICAL	ELECTRICAL

GENERAL NOTES

- THESE DRAWINGS ARE PART OF THE CONSTRUCTION DOCUMENTS AND ARE FOR THE GENERAL LAYOUT, DIMENSIONS, AND MATERIAL DETAILS OF THIS PROJECT. THEY ARE TO BE USED IN CONJUNCTION WITH THE REMAINDER OF THE ACCOMPANYING CONSTRUCTION DOCUMENTS.
- IN THE EVENT OF DISCREPANCIES BETWEEN CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING PRIOR TO PROCEEDING AND SHALL NOT PROCEED WITHOUT DIRECTION FROM THE ARCHITECT.
- FOR CLARITY AND/OR EMPHASIS, DETAIL DRAWINGS MAY NOT SHOW ALL COMPONENTS OR ELEMENTS AT THAT CONDITION. THIS DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PROVIDING THOSE COMPONENTS REASONABLY INFERABLE AND/OR SHOWN OR NOTED ELSEWHERE IN THE CONTRACT DOCUMENTS.
- ANY/ ALL DIMENSIONS SHALL BE FIELD VERIFIED. CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR BRINGING ANY DIMENSIONAL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT IN WRITING. PLAN DIMENSIONS ARE NOMINAL, DETAIL DIMENSIONS ARE ACTUAL UNLESS OTHERWISE NOTED.
- DIMENSIONS SHALL NOT BE DETERMINED BY SCALING THE DRAWINGS.
- A SET OF PLANS BEARING THE ARCHITECT'S & ENGINEER'S SEALS SHALL BE KEPT AT THE SITE AT ALL TIMES DURING CONSTRUCTION.
- ANY ALTERATION TO DRAWINGS BY ANYONE EXCEPT A LICENSED ARCHITECT OR ENGINEER IS PROHIBITED BY LAW. IF ANY ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT/ENGINEER SHALL AFFIX TO HIS/HER ALTERATION HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE, DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION.
- TYPICAL DETAILS ARE TO BE USED UNLESS OTHERWISE NOTED.

H2M architects + engineers

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	*

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

STATUS

CONSTRUCTION DOCUMENTS

DRAWING No.

G0.1

C:\Users\costwald\Documents\MKIV1803-Central_A19_costwald.rvt

12/16/2021 12:15:34

GENERAL NOTES

1. THE MINIMUM CORRIDOR WIDTH SHALL NOT BE LESS THAN 44", PER 1020.2.
2. ACCESSIBLE PARKING SPACES MUST BE PROVIDED PER TABLE 1106.1.
3. MAXIMUM TRAVEL DISTANCE TO EXIT PER TABLE 1017.2
   W/O SPRINKLER: 'A', 'B=200', 'S-2'= 300'
1. FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH 906.1 AND TABLES 906.3(1) & 906.3(2).
2. CORRIDORS REQUIRED TO BE FIRE RATED IN ACCORDANCE WITH TABLE 1020.1 FOR A-3 OCCUPANT LOAD OVER 30 PEOPLE WITHOUT A SPRINKLER SYSTEM
   A. 'A', 'B', 'S', W/O SPRINKLER AND OCCUUPANT LOAD OVER 30 = 1 HR FIRE RESISTANCE RATED CORRIDOR
3. SIGNAGE:
   SIGNS IDENTIFYING THE EXISTENCE OF TRUSS CONSTRUCTION SHALL CONSIST OF A CIRCLE 6 INCHES (152.4 MM) IN DIAMETER, WITH A STROKE WIDTH OF ½ INCH (12.7 MM). THE SIGN BACKGROUND SHALL BE REFLECTIVE WHITE IN COLOR. THE CIRCLE AND CONTENTS SHALL BE REFLECTIVE RED IN COLOR, CONFORMING TO PANTONE MATCHING SYSTEM (PMS) #187. WHERE A SIGN IS DIRECTLY APPLIED TO A DOOR OR SIDELIGHT, IT MAY BE A PERMANENT NON-FADING STICKER OR DECAL. SIGNS NOT DIRECTLY APPLIED TO DOORS OR SIDELIGHTS SHALL BE OF STURDY, NON-FADING, WEATHER RESISTANT MATERIAL.

   SIGNS IDENTIFYING THE EXISTENCE OF TRUSS CONSTRUCTION SHALL CONTAIN THE ROMAN ALPHANUMERIC DESIGNATION OF THE CONSTRUCTION TYPE OF THE BUILDING, IN ACCORDANCE WITH THE PROVISIONS FOR THE CLASSIFICATION OF TYPES OF CONSTRUCTION SET FORTH IN SECTION 603 OF THE BUILDING CODE OF NEW YORK STATE (SEE 19 NYCRR PART 1221), AND AN ALPHABETIC DESIGNATION FOR THE STRUCTURAL COMPONENTS THAT ARE OF TRUSS CONSTRUCTION, AS FOLLOWS: "F" SHALL MEAN FLOOR FRAMING, INCLUDING GIRDERS AND BEAMS "R" SHALL MEAN ROOF FRAMING "FR" SHALL MEAN FLOOR AND ROOF FRAMING THE CONSTRUCTION TYPE DESIGNATION SHALL BE PLACED AT THE TWELVE O'CLOCK POSITION OVER THE STRUCTURAL COMPONENT DESIGNATION, WHICH SHALL BE PLACED AT THE SIX O'CLOCK POSITION.

   EXTERIOR BUILDING ENTRANCE DOORS, EXTERIOR EXIT DISCHARGE DOORS, AND EXTERIOR ROOF ACCESS DOORS TO A STAIRWAY. ATTACHED TO THE DOOR, OR ATTACHED TO A SIDELIGHT OR THE FACE OF THE BUILDING, NOT MORE THAN 12 INCHES (305 MM) HORIZONTALLY FROM THE LATCH SIDE OF THE DOOR JAMB, AND NOT LESS THAN 42 INCHES (1067 MM) NOR MORE THAN 60 INCHES (1524 MM) ABOVE THE ADJOINING WALKING SURFACE.

   MULTIPLE CONTIGUOUS EXTERIOR BUILDING ENTRANCE OR EXIT DISCHARGE DOORS. ATTACHED AT EACH END OF THE ROW OF DOORS AND AT A MAXIMUM HORIZONTAL DISTANCE OF 12 FEET (3.65M) BETWEEN SIGNS, AND NOT LESS THAN 42 INCHES (1067 MM) NOR MORE THAN 60 INCHES (1524 MM) ABOVE THE ADJOINING WALKING SURFACE.

   FIRE DEPARTMENT HOSE CONNECTIONS. ATTACHED TO THE FACE OF THE BUILDING, NOT MORE THAN 12 INCHES (305 MM) HORIZONTALLY FROM THE CENTER LINE OF THE FIRE DEPARTMENT HOSE CONNECTION, AND NOT LESS THAN 42 INCHES (1067 MM) NOR MORE THAN 60 INCHES (1524 MM) ABOVE THE ADJOINING WALKING SURFACE

2020 BUILDING CODE of NEW YORK STATE (2018 IBC) (TABLES 504.3, 504.4 & 506.2)

	ALLOWED	PROPOSED
BUILDING OCCUPANCY	A-3	A-3 (Note 1)
CONSTRUCTION CLASSIFICATION	VB non-sprinklered	VB non-sprinklered
HEIGHT (STORIES)	1 above grade	1 above grade
HEIGHT (FEET)	40'-0"	30'-8"
FIRE AREA	6,000 SF (PER STORY ABOVE GRADE)	4,946 S.F. (LARGEST FLOOR AREA)

NOTES
1. PER IBC SECTION 508, SHALL BE CONSIDERED MIXED USE BUILDINGS, GENERALLY CONSISTING OF GROUPS B, S-2, & A-3 WHERE APPLICABLE. THIS PROJECT SHALL CONSIST OF NON-SEPARATED USES (508.3) AND THE MOST RESTRICTIVE, A-3 SHALL APPLY WHEN CALCULATING PERMITTED FIRE AREAS AND BUILDING HEIGHTS.

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLES 601 & 602)

BUILDING OCCUPANCY CLASSIFICATION: ASSEMBLY GROUP A3 (B, S-2)
CONSTRUCTION CLASSIFICATION: TYPE VB

BUILDING ELEMENT	HOURS
PRIMARY STRUCTURAL FRAME	0
EXTERIOR BEARING WALLS	1, Note 1
EXTERIOR NON-BEARING WALLS	1, Note 1
INTERIOR BEARING WALLS	0
NON-BEARING WALLS	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

NOTES
1. PER TABLE 602, FIRE RATING REQUIRED FOR PORTION OF WALL 0-10' FROM CLOSEST BUILDING ON ADJACENT LOT LINE.
2. SEE DWG. A0.1 FOR WALL TYPES.

UL ASSEMBLIES FOR THROUGH WALL PENETRATIONS

	PENETRANTS					
	METAL CONDUIT	CABLES	NON-INSULATED METAL PIPE	INSULATED PIPE	FR POLYPRO-PYLENE PIPE	INSULATED METAL DUCT
GWB STUD WALL, OR SHAFT WALL UP TO 2-HR RATING	W-L-1001	W-L-3001	W-L-1001	W-L-5011	W-L-2002	W-L-7009 UP TO 24" x 12" W-L-7025 UP TO 42" x 28"
CMU WALL UP TO 2-HR RATING	C-AJ-1044 C-AJ-1008	C-AJ-3029 C-AJ-3030	C-AJ-1044	C-AJ-5001	C-AJ-2001	C-AJ-7003 C-AJ-7016

NOTE:
UP TO (1) HOUR RATING. SUBMIT ENGINEERED JUDGMENT FIRESTOPPING SYSTEM FOR THIS COMBINATION OF PENETRANT, WALL/FLOOR ASSEMBLY, AND FIRE RATING.

2020 Uniform Building Code of New York State (2018 IBC) Code Areas / Occupant Loads

Building Areas (per code section 503)
Used for Building Size Calculations
* See Allowable Building Area Worksheet

First Floor	4,297
Second Floor	4,165
Total Building Area S.F.	**8,462**

Gross/Net Floor Areas (per code section 1003 & Table 1004.5)
Used for means of egress occupancy calculations

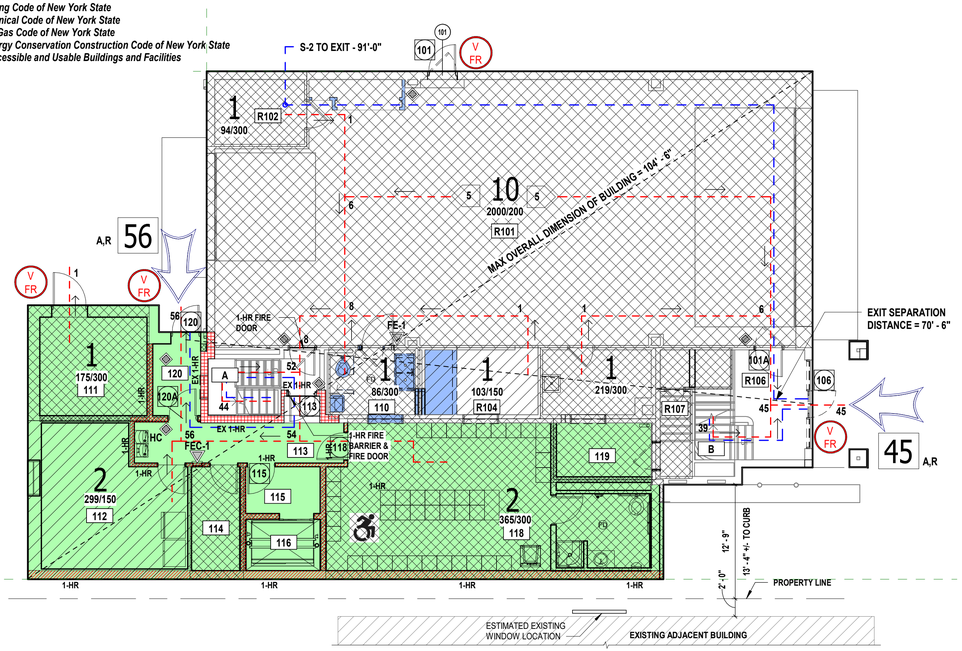
Occupancy	*Area*	*S.F. Per Occupant*	*Occupant Load*
First Floor			
Apparatus Bays	**2000** sf @	**200** gross	10
Radio Room	**103** sf @	**150** gross	1
Turnout Gear	**448** sf @	**300** gross	2
Ready Room	**299** sf @	**150** gross	2
Support/Stor./Mech.**	**696** sf @	**300** gross	4
Second Floor			
Members Rm.	**531** sf @	**150** gross	4
Kitchen	**352** sf @	**200** gross	2
Members Dining	**428** sf @	**150** gross	3
Meeting Room	**968** sf @	**15** net	65
Conference Room	**227** sf @	**150** gross	2
Offices**	**673** sf @	**150** gross	6
Alternate Office Space	**132** sf @	**150** gross	1
	Total First Floor Occupants		**19**
	Total Second Floor Occupants		**83**
	Total Occupants		**102**

**Actual occupancies may differ from the calculated occupancies when grouped

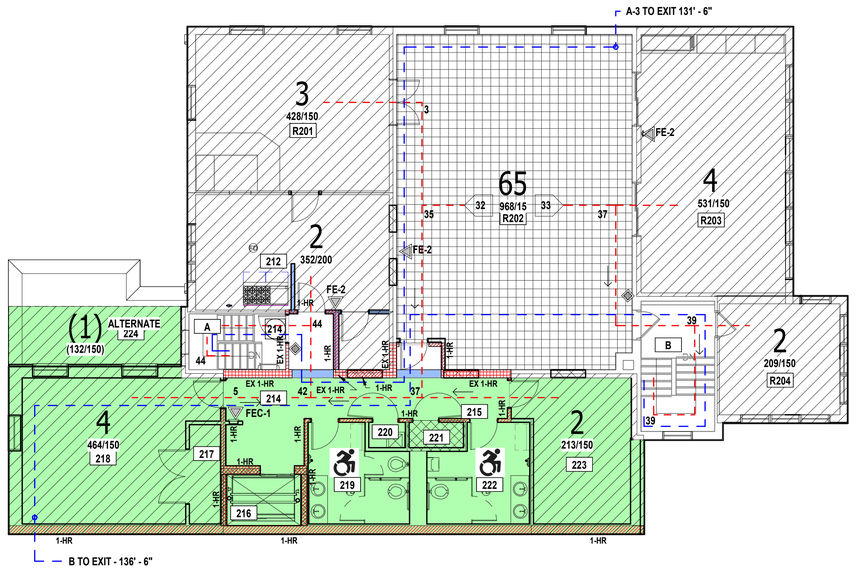
Overall Building Size (inclusive of exterior walls)
Used for zoning footprint and materials estimates

First Floor	4,297
Second Floor	4,165
Total Overall Building Gross S.F.	**8,462**

ALL CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING BUILDING CODES:
2020 Building Code of New York State, adopts with amendments: International Building Code 2018 (IBC 2018)
EBCNYS-20 Existing Building Code of New York State
FCNYS-20 Fire Code of New York State
PCNYS-20 Plumbing Code of New York State
MCNYS-20 Mechanical Code of New York State
FGCNYS-20 Fuel Gas Code of New York State
ECCCNYS-20 Energy Conservation Construction Code of New York State
ICC A117.1-09 Accessible and Usable Buildings and Facilities



1 G1.1 **FIRST FLOOR EGRESS PLAN**
SCALE: 1/8" = 1'-0"



2 G1.1 **SECOND FLOOR EGRESS PLAN**
SCALE: 1/8" = 1'-0"

THIS SHEET SHALL BE PRINTED IN COLOR

Room Schedule	
Number	Name
110	TRANSITION ZONE
111	FIREMATIC STORAGE
112	READY ROOM
113	CORRIDOR
114	STORAGE
115	ELEVATOR LOBBY
116	ELEVATOR
117	UNISEX BATHROOM
118	NEW GEAR LOCKERS
119	MECH/ELEC
120	ENTRANCE
212	KITCHEN
212A	PANTRY
214	LOBBY
215	CORRIDOR
216	ELEVATOR
217	STORAGE
218	OFFICE SUITE
219	WOMEN'S TOILET
220	JANITOR
221	TABLE STORAGE
222	MEN'S TOILET
223	CONFERENCE ROOM
224	OFFICE SPACE - ALTERNATE
A	EXISTING STAIR A
A	EXISTING STAIR A
B	EXISTING STAIR B
B	EXISTING STAIR B
R101	EXISTING APPARATUS BAY
R102	EXISTING WORKSHOP
R104	EXISTING RADIO ROOM
R105	EXISTING MECHANICAL
R106	EXISTING LOBBY
R107	EXISTING MECHANICAL
R108	STORAGE
R201	EXISTING MEMBERS' DINING
R202	EXISTING MEETING ROOM
R203	EXISTING MEMBERS' ROOM
R204	EXISTING OFFICE
R205	EXISTING BATHROOM
R210	EXISTING CLOSET

EXIT PLAN LEGEND

2020 UBC NYS / IBC 2018

- 23 / 4,534/200 — CALCULATED OCCUPANTS PER OCCUPIED SPACE / SQ. FT./AREA PER OCCUPANT, 2020 UBC NYS TABLE 1004.5
- # — NUMBER OF OCCUPANTS AND DIRECTION OF EXIT TRAVEL WHERE POPULATIONS ARE SPLIT
- # — NUMBER OF OCCUPANTS AND DIRECTION OF TRAVEL, CUMULATIVE
- XX' to exit — MAXIMUM TRAVEL DISTANCE TO EACH EXIT (PER 2020 UBC NYS TABLE 1017.2 FOR EACH USE WITH SPRINKLER : A: 250', B: 300', S-2: 400')
- XX' to exit — MAXIMUM TRAVEL DISTANCE TO EACH EXIT (PER 2020 UBC NYS TABLE 1017.2 FOR EACH USE WITHOUT SPRINKLER : A: 200', B: 200', S-2: 300')
- A-3 — ASSEMBLY - (NOTE THAT IN ASSEMBLY OCCUPANCIES NUMBER OF OCCUPANTS MUST BE POSTED PER 2020 UBC NYS)
- B — BUSINESS - FIRE STATION
- S-2 — STORAGE (APPARATUS BAYS) - PER NYS TECHNICAL BULLETIN DATED OCTOBER 31, 2017, RE: 19 NYCRR1221-BUILDING CONSTRUCTION
- S-2 — STORAGE (SUPPORT SPACES)
- V FR — TRUSS IDENTIFICATION SIGN LOCATIONS
- 130 A,R — TOTAL EXIT LOAD AT DOOR; 'A' DENOTES ACCESSIBLE EGRESS; 'R' DENOTES RESTRICTED ENTRANCE (SECURE)
- PUBLIC ENTRANCE (ACCESSIBLE BY DEFAULT)
- 1HR RATED WALL CONSTRUCTION
- 1HR RATED EXISTING WALL CONSTRUCTION
- ACCESSIBLE TOILET FACILITIES
- HC — ACCESSIBLE PLUMBING FIXTURE (SHOWER, SINK, OR URINAL)
- FE-# — FIRE EXTINGUISHER & TYPE
- FEC-# — FIRE EXTINGUISHER (IN CABINET) & TYPE
- ## — EXIT / EXIT ACCESS DOOR
- TACTILE EXIT SIGN

NOTE: NOT ALL SYMBOLS WILL BE USED

PLUMBING FIXTURE COUNT

		Water Closets		Lavatories		Drinking Fountains	Urinals	Service Sink			Shower	
Use	Occupants	Men	Women	Men	Women						Men	Women
A-3	65	0.43	0.43	0.16	0.16	0.13		0.00			0.00	0.00
B	21	0.43	0.42	0.26	0.26	0.21		0.00			0.00	0.00
S-2	16	0.08	0.08	0.08	0.08	0.02		0.00			0.00	0.00
Subtotal	102	0.94	0.93	0.51	0.51	0.36		1.00			0.00	0.00
Required Fixtures		1	1	1	1	2	0	1			0	0
						2 min.		t. Maximum # of Substitutions for Water Closets				
Provided Fixtures		2	2	3	2	2	2	2			1	0

Miscellaneous Code Information

Use Groups (code section 302)	S-2, B, A-3
Occupancy Classification (code section 508.3)	Mixed Use Non-Separated
Construction Classification (code section 601)	VB

	FIRST FLOOR	SECOND FLOOR	TOTALS
EXISTING TO BE RENOVATED LEVEL TWO ALTERATIONS	213 GSF	381 GSF	594 GSF
NEW CONSTRUCTION	1,512 GSF	1,299 GSF 129 GSF ALT	2,811 GSF 2,940 GSF ALT
EXISTING BUILDING	2,792 GSF	2,870 GSF	5,662 GSF
PROPOSED COMPLETE	4,302 GSF	4,165 GSF 4,294 GSF ALT	8,467 GSF 8,596 GSF ALT

Area Increase for Frontage

$I_f = [F/P - .25] (W/30)$

W = 30; F = 201.5; P = 298; W/30 = 1.00

I_f = 43 %

Total Allowable Area per Floor

506.2.4 Mixed Occupancy, Multistory Buildings
$A_a = A_t + (NS \times I_f)$

VB ⇦ Construction Type
A-3 ⇦ Building Occupancy

A_t = 6,000 ⇦ Allowable area for 2 story from Table 506.2 Based on MOST restrictive Use
NS = 6,000 ⇦ Allowable non-sprinklered area
I_f = 43 %

A_a = 8,557 SF ⇦ Total Allowable Area per Floor

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

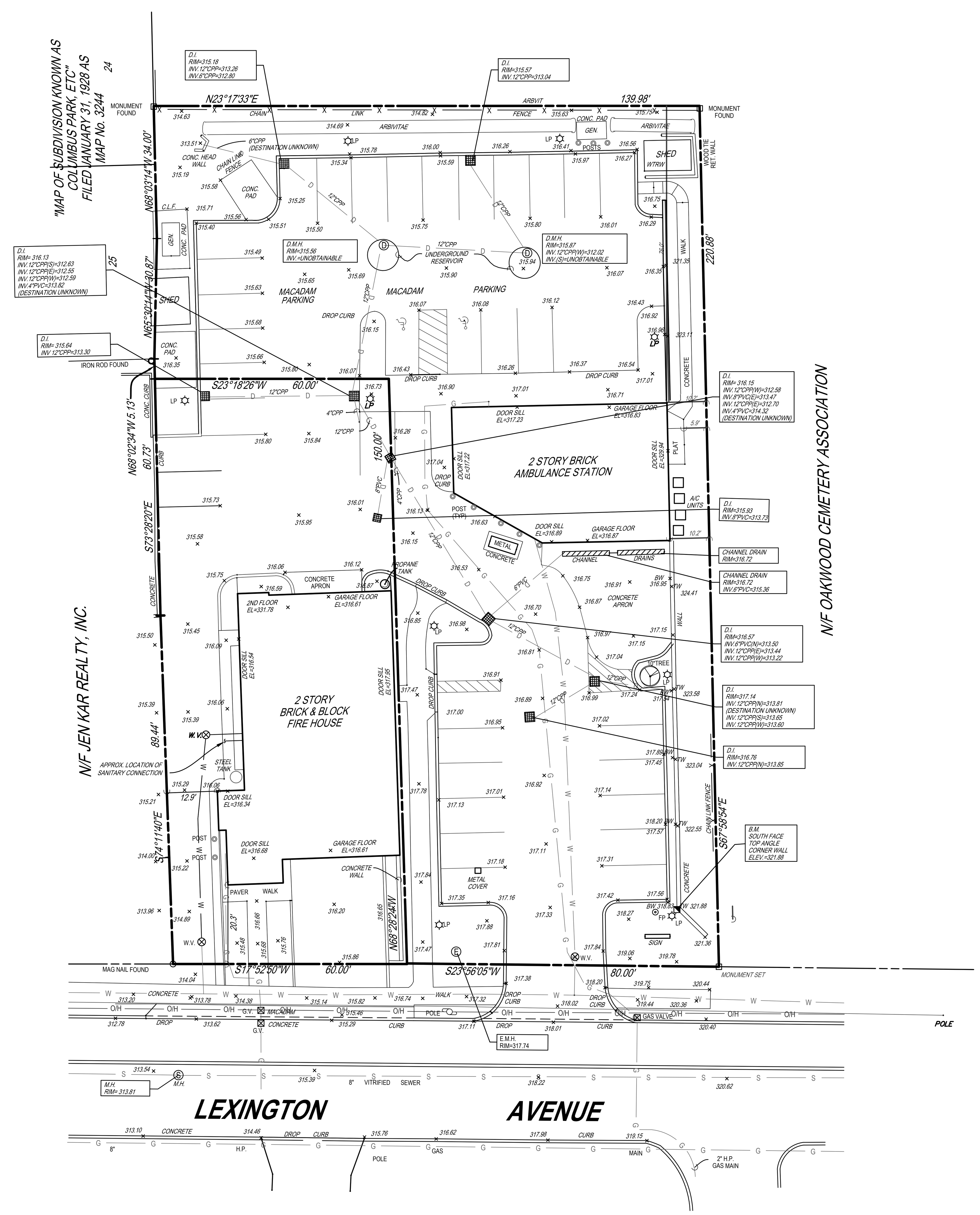
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
2020 NEW YORK STATE CODE ANALYSIS, NOTES AND LEGENDS

DRAWING No.
G1.1

C:\Users\costwald\Documents\MKIV1803-Central_A19_costwald.rvt
12/15/2021 14:25:18

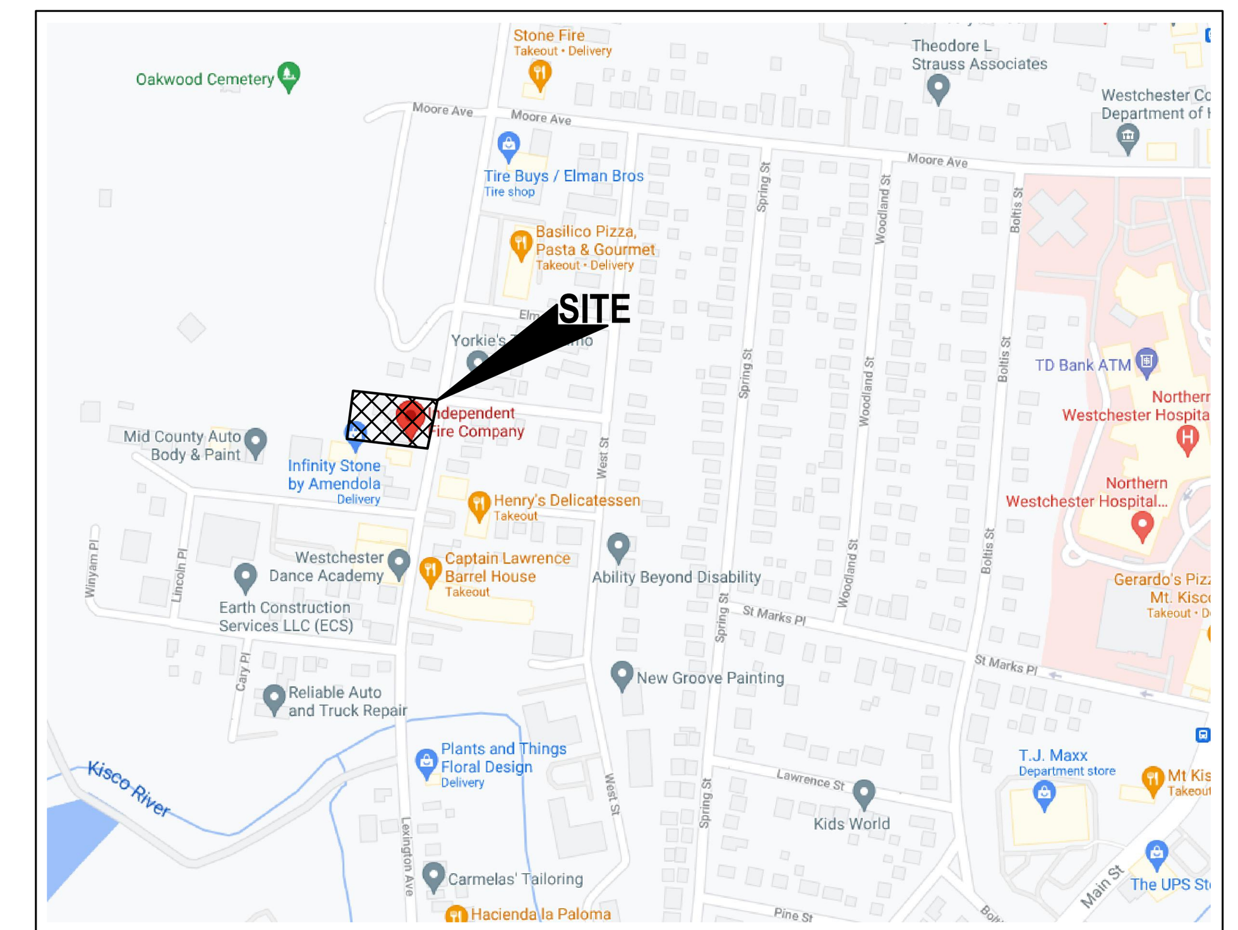


GRAPHIC SCALE

20 0 10 20

(IN FEET)

1 inch = 20 ft.



LOCATION MAP

SCALE 1" = 500'±

© 2021 GOOGLE MAP DATA

LEGEND

DESCRIPTION	SYMBOL
MONUMENT	
BENCHMARK	
STAKE	
IRON PIPE	
DRAINAGE MANHOLE	
CHANNEL DRAIN	
CATCH BASIN	
INLET	
WATER VALVE	WV
ELECTRICAL MANHOLE	
SANITARY MANHOLE	
LIGHT	
UTILITY POLE/GUY POLE	
GAS VALVE	
BOLLARD	
SPOT ELEVATION	100.50
HANDICAP PARKING STALL	
CURB	
DROP CURB	
STORM DRAIN	D D
WATER MAIN	W W
SANITARY SEWER	S
UNDERGROUND GAS	G
UNDERGROUND ELECTRIC	E E
OVERHEAD WIRES	O/H O/H
FENCE	X X

EXISTING CONDITIONS NOTES:

1. EXISTING SURVEY PREPARED BY H. STANLEY JOHNSON AND COMPANY LAND SURVEYORS, P.C. DATED APRIL 9, 2018.
2. BENCHMARK - (NORTHEAST CORNER OF PARCEL, SOUTH FACE OF TOP ANGLE CORNER WALL, EL. 321.88).
3. THE SUBSURFACE INFORMATION SHOWN HEREON, IF ANY, IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS AND SHOULD BE VERIFIED BY THE CONTRACTOR BEFORE ANY EXCAVATION. LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES BOTH PUBLIC AND CUSTOMER OWNED, WERE OBTAINED FROM EITHER OLD MAPS, SURVEYS, DRAWINGS/RECORDS SUPPLIED BY OTHERS AND/OR UTILITY MARKOUT. THE OWNER AND ENGINEER DO NOT GUARANTEE OR ACCEPT RESPONSIBILITY FOR ANY DAMAGE TO SUCH FACILITIES DUE TO DISCREPANCIES IN LOCATION AND SIZE SHOWN ON THE PLANS OR THOSE UTILITIES AND STRUCTURES NOT SHOWN.
4. ELEVATIONS SHOWN HEREON ARE IN ACCORDANCE WITH NAVD88 TOPOGRAPHIC DATUM.
5. ADDITIONAL UNDERGROUND EASEMENTS, UTILITIES OR STRUCTURES, ETC. OTHER THAN THOSE SHOWN HEREON MAY BE ENCOUNTERED.
6. PROJECT LOCATION: 332 LEXINGTON AVENUE, MOUNT KISCO, NY 10549, SECTION 80.48, BLOCK 1, LOT 5.
7. COPIES OF THIS DOCUMENT WITHOUT AN ACTUAL OR FACSIMILE OF THE ENGINEER'S SIGNATURE AND AN ORIGINAL STAMP SHALL BE CONSIDERED INVALID.
8. UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209 SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW.
9. UTILITY INFORMATION:
   - WATER/SEWER - VILLAGE OF MOUNT KISCO (914-864-0029)
   - ELECTRIC - CON EDISON (800-752-6633)
   - GAS - CON EDISON (800-752-6633)
   - TELEPHONE - VERIZON (800-837-4966)

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL"

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SFP	SFP	STH	LLC

PROJECT No.:	DATE:	SCALE:
MKIV 1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

MOUNT KISCO NEW YORK

322 LEXINGTON AVENUE
MOUNT KISCO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

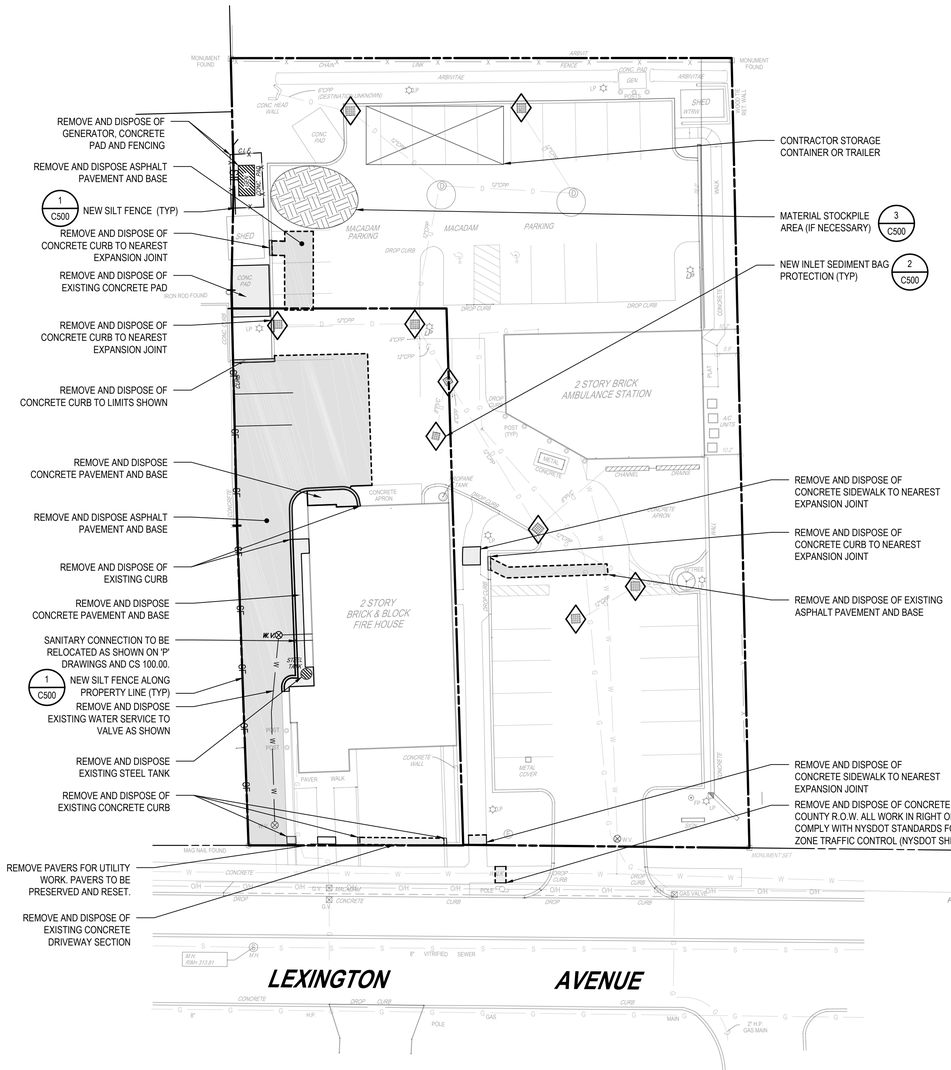
CONSTRUCTION DOCUMENTS

SHEET TITLE

EXISTING CONDITIONS PLAN

DRAWING No.

V 100.00



GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

811 1-800-272-4480
Dig Safely. New York
Call811
before you dig
www.digsafelynewyork.com

LEGEND

DESCRIPTION	SYMBOL
SAWCUT PAVEMENT LINE	
REMOVE AND DISPOSE EXISTING ASPHALT PAVEMENT AND BASE	
REMOVE AND DISPOSE EXISTING CONCRETE PAVEMENT	
REMOVE AND DISPOSE EXISTING FEATURE	
REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE	x x
NEW SILT FENCE	SF SF SF
NEW CURB INLET SEDIMENT BAG	

SITE DEMOLITION NOTES:

1. REPORT ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS TO THE ENGINEER IN WRITING IMMEDIATELY.
2. UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS WAS OBTAINED FOR DESIGN PURPOSES ONLY. PROVIDE FOR CONSTRUCTION MARKOUT AND LOCATE EXISTING UNDERGROUND UTILITIES. NO EXCAVATION MAY COMMENCE UNTIL UTILITY DOCUMENTATION HAS BEEN COMPLETED.
3. NO COMPENSATION WILL BE MADE FOR ANY INCONVENIENCE CAUSED BY ENCOUNTERING UTILITIES AND STRUCTURES WHICH ARE NOT SHOWN, OR ARE INACCURATELY SHOWN ON THE PLANS.
4. REPAIR ANY DAMAGE TO EXISTING UTILITIES RESULTING FROM CONTRACTOR OPERATIONS IMMEDIATELY AT NO COST TO OWNER.
5. REPAIR ANY DAMAGE TO EXISTING SITE FEATURES SCHEDULED TO REMAIN RESULTING FROM CONTRACTOR OPERATIONS AT NO COST TO OWNER.
6. SAWCUT CONCRETE PAVEMENT BACK TO NEAREST EXPANSION/CONTROL JOINT.
7. PROVIDE TEMPORARY FENCING TO PROTECT WORK AREAS.
8. INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN PRIOR TO ANY GROUND DISTURBANCE.
9. NOTIFY OWNER AND ENGINEER IMMEDIATELY IN WRITING WHEN UNKNOWN STRUCTURES OR SUSPECTED HAZARDOUS OR CONTAMINATED MATERIALS ARE ENCOUNTERED PRIOR TO REMOVAL OR DISTURBANCE.
10. TAKE APPROPRIATE MEASURES TO PROTECT PEDESTRIANS AND VEHICULAR TRAFFIC DURING REMOVAL ACTIVITIES, AND PROVIDE TEMPORARY MEASURES FOR THE PROTECTION AND SAFETY OF THE PUBLIC UNTIL FINAL ACCEPTANCE BY THE OWNER.
11. BACKFILL ALL VOIDS RESULTING FROM THE REMOVAL OF EXISTING SITE FEATURES. BACKFILL TO BE SOIL, FREE OF ORGANIC MATERIAL, DEBRIS, TRASH, CLAY AND STONES LARGER THAN 4 INCHES.

EROSION CONTROL NOTES:

1. DURING THE COURSE OF CONSTRUCTION, EROSION AND SEDIMENT CONTROL MEASURES ARE NECESSARY TO PREVENT THE TRANSPORT OF SEDIMENT TO UNDISTURBED AREAS, PONDS, WATER COURSES, DRAINAGE SYSTEMS, RECHARGE BASINS, AND ROADS. THE MINIMUM EROSION CONTROL MEASURES REQUIRED ARE INDICATED ON THIS PLAN. IN ADDITION, THE FOLLOWING GENERAL CONDITIONS SHALL BE OBSERVED:
   a. EXISTING VEGETATION SCHEDULED TO REMAIN SHALL BE PROTECTED AND REMAIN UNDISTURBED.
   b. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED TO PREVENT THE INCIDENTAL DISCHARGE OF SEDIMENT FROM THE SITE.
2. SPECIFIC METHODS AND MATERIALS EMPLOYED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES MUST CONFORM TO THE LATEST EDITION OF THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL".
3. INSTALL PROPRIETARY EROSION AND SEDIMENT CONTROL PRODUCTS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
4. ADJUST EROSION AND SEDIMENT CONTROL MEASURES TO ACCOMMODATE CONSTRUCTION PHASING TO MAINTAIN EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES.
5. PROTECT EXISTING DRAINAGE INLETS WITHIN THE PROJECT LIMITS AND NEW DRAINAGE INLETS INSTALLED AS PART OF THIS PROJECT FROM SEDIMENT INTRUSION.
6. PERFORM INSPECTION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES ON A WEEKLY BASIS AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES INCLUDE, BUT ARE NOT LIMITED TO, CLEANING AND REPAIR OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
7. UTILIZE APPROPRIATE MEANS TO CONTROL DUST DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO APPLYING WATER TO BARE SOIL SURFACES.
8. MAINTAIN THE SITE ENTRANCE TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED ONTO LOCAL ROADS. MAINTAIN SITE ENTRANCE WEEKLY OR AS NECESSARY THORUGH THE USE OF STREET SWEEPING OR OTHER METHODS UNTIL THE SITE IS PERMANENTLY STABILIZED.
9. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED. AFTER PERMANENT STABILIZATION, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE SITE AND DRAINAGE STRUCTURES.

TOTAL LAND DISTURBANCE = 2,600 SQUARE FEET OR 0.06 ACRES

SITE ACCESS NOTE:

1. CONTRACTOR TO MAINTAIN ACCESS TO AMBULANCE FACILITY AT ALL TIMES AND PRESERVE REQUIRED PARKING SPACES FOR AMBULANCE FACILITY (CONFIRM MINIMUM PARKING NEEDED WITH AMBULANCE COMPANY). COORDINATE ALL WORK THAT MAY IMPACT AMBULANCE FACILITY'S 24/7 OPERATIONS WITH AMBULANCE COMPANY 48 HOURS IN ADVANCE

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SFP	SFP	STH	LLC

PROJECT No.:	DATE:	SCALE:
MKIV 1803	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

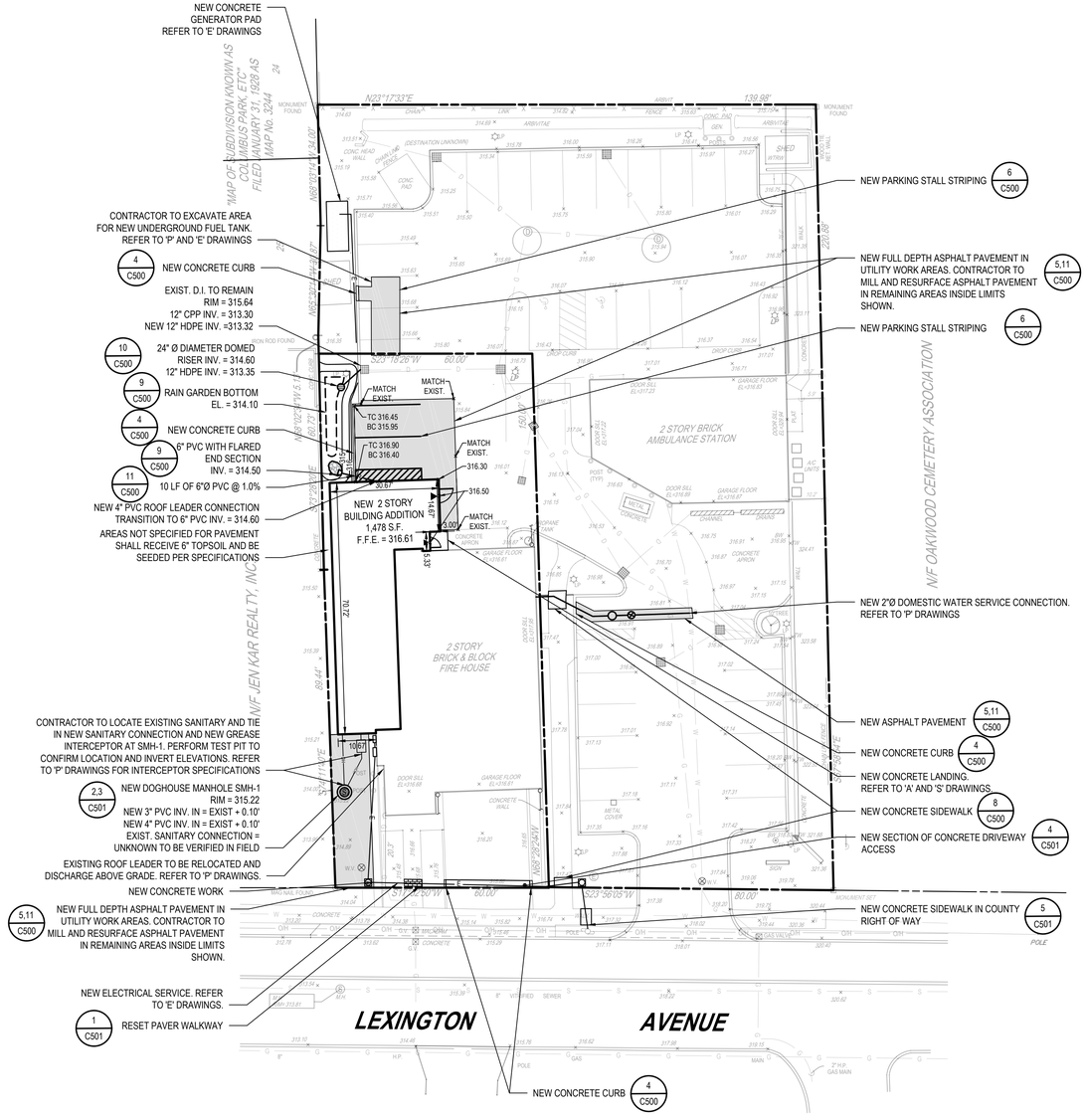
322 LEXINGTON AVENUE
MOUNT KISCO, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
DEMOLITION AND EROSION & SEDIMENT CONTROL PLAN

DRAWING No.
CD 100.00



GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

811 1-800-272-4480
Dig Safely. New York
Call811
before you dig
www.digsafelynewyork.com

LEGEND

DESCRIPTION	SYMBOL
DOOR	
YARD INLET	
TOP AND BOTTOM CURB ELEVATION	TC140.00 BC139.50
MAJOR CONTOUR	240
MINOR CONTOUR	241
ROOF LEADER LINE	R R
SANITARY HOUSE CONNECTION	HC HC
CURB	
ASPHALT PAVEMENT	
CONCRETE PAVEMENT	
PAVER RESTORATION	

SITE PLAN NOTES:

1. CONTRACTOR SHALL INSPECT THE SITE PRIOR TO SUBMISSION OF BIDS AND MAKE NO ADDITIONAL CLAIMS REGARDING SITE CONDITIONS THEREAFTER.
2. NOTIFY THE OWNER AND H2M (TELEPHONE 518-765-5105) AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF THE WORK. THE SAME NOTICE SHALL BE REQUIRED WHEN RESUMING WORK AFTER ANY STOPPAGE OR DELAY.
3. COMPLETE ALL SURVEY AND STAKEOUT AS REQUIRED TO PROPERLY COMPLETE THE WORK.
4. PERFORM DAILY CLEANUP OPERATIONS INCLUDING REMOVAL OF DEBRIS AND EXCESS CONSTRUCTION MATERIAL, AND DRIVEWAY/STREET CLEANING TO THE SATISFACTION OF THE OWNER.
5. DURING ALL NON-WORKING HOURS, STORE ALL EQUIPMENT AND MATERIALS WITHIN AN AREA DESIGNATED BY THE OWNER AT THE PROJECT SITE.
6. ALL CURB DIMENSIONS SHOWN REFER TO FRONT FACE OF CURB.
7. ALL CONSTRUCTION TO CONFORM WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
8. COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER TO MINIMIZE INTERRUPTION TO THE OWNER'S OPERATIONS.
9. RESTORE SURROUNDING AREAS DAMAGED OR DISTURBED DURING CONSTRUCTION. RESTORE TO NEW CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
10. RESTORE ALL DISTURBED GRASS AREAS AND ALL AREAS NOT SPECIFICALLY IDENTIFIED FOR OTHER IMPROVEMENTS WITH 6 INCHES OF TOPSOIL AND SEED.
11. REMOVE ALL ASPHALT FROM EXISTING CASTINGS IN AREAS OF WORK.
12. SEAL ALL JOINTS BETWEEN NEW ASPHALT AND EXISTING ASPHALT WITH HOT ASPHALT CEMENT.

GRADING AND DRAINAGE NOTES:

1. FOR NEW CONSTRUCTION THAT MEETS EXISTING CONDITIONS, ABUTTING SURFACES SHALL BE FLUSH AND ALIGNED.
2. THE CONTRACTOR SHALL CONFIRM INVERT ELEVATIONS OF ALL ROOF DRAINS AND SANITARY HOUSE CONNECTIONS PRIOR TO COMMENCING SITE DRAINAGE AND SANITARY CONSTRUCTION.
3. ADJUST ALL EXISTING CASTINGS AND VALVE COVERS TO MEET PROPOSED GRADE.
4. CONSTRUCTION DEBRIS AND EXCESS SOIL SHALL BE REMOVED AND LEGALLY DISPOSED OFF SITE.
5. UNSUITABLE SOILS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IMMEDIATELY IN WRITING BEFORE REMOVAL OR DISTURBANCE.

PIPE MATERIAL SPECIFICATIONS:

- DOMED RISER TO EXISTING DI: 12"Ø SMOOTH INTERIOR HDPE
- ROOF LEADER TO RAIN GARDEN/EXISTING DI: 6"Ø PVC (SCH. 80)
- GRAVITY SANITARY HOUSE CONNECTION: 4"Ø PVC (SCH 80)
- GRAVITY SANITARY GREASE TRAP CONNECTION: 3"Ø PVC (SCH 80)
- DOMESTIC WATER SERVICE: TYPE "K" COPPER (2"Ø)

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SFP	SFP	STH	LLC

PROJECT No.:	DATE:	SCALE:
MKIV 1803	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

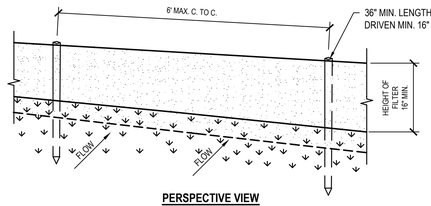
322 LEXINGTON AVENUE
MOUNT KISCO, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

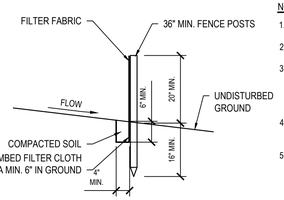
STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
DIMENSIONAL SITE PLAN

DRAWING No.
CS 100.00



PERSPECTIVE VIEW



SECTION VIEW

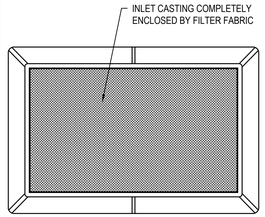
NOTES

1. POSTS SHALL BE 2" X 2" HARDWOOD OR APPROVED EQUIVALENT.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO POSTS AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED AND SECURE AT POST. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND ACCUMULATED SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. REMOVE SILT FENCE UPON PERMANENT STABILIZATION OF UPLAND AREAS.

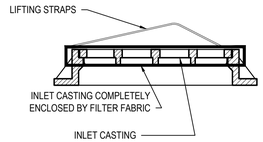
1 Silt Fence - Standard

SCALE: NTS 312513.13 NYDC1-U

FILTER FABRIC PROPERTIES			
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	lbs	365 x 200
Grab Tensile Elongation	ASTM D 4632	%	24 x 10
Puncture Strength	ASTM D 4833	lbs	90
Mullen Burst Strength	ASTM D 3786	psi	450
Trapezoid Tear Strength	ASTM D 4533	lbs	115 x 75
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	US Std Sieve)	40
Flow Rate	ASTM D 4491	gal/min/ft²	145
Permittivity	ASTM D 4491	Sec⁻¹	2.1



PLAN



NOTES

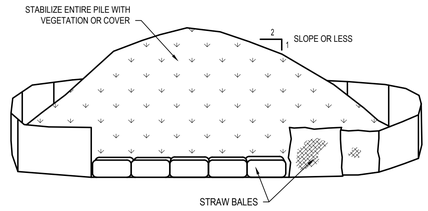
1. REMOVE ACCUMULATED SEDIMENT AND DEBRIS AS REQUIRED TO MAINTAIN ADEQUATE FLOW THROUGH FILTER FABRIC.
2. REMOVE INLET PROTECTION UPON PERMANENT STABILIZATION OF CONSTRUCTION SITE.

2 Sediment Bag Inlet Protection

SCALE: NTS

NOTES:

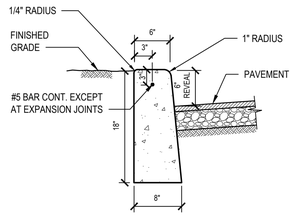
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.



TO BE USED WHERE TOPSOIL IS NECESSARY FOR REGRADING AND VEGETATING DISTURBED AREAS. TEMPORARY STOCKPILE STABILIZATION MEASURES INCLUDE VEGETATIVE COVER, MULCH, NONVEGETATIVE COVER, AND PERIPHERAL SEDIMENT TRAPPING BARRIERS. THE STABILIZATION MEASURE(S) SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, AND REQUIRED PERIOD OF USE.

3 Soil Stockpile Detail

SCALE: NTS

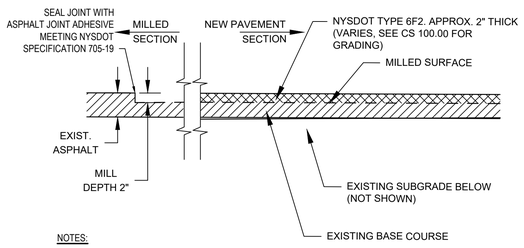


NOTES:

1. WOOD FLOAT AND BRUSH FINISH ON ALL SURFACES ABOVE GRADE.
2. AT ALL CURB ENDINGS, PROVIDE SMOOTH TRANSITION DOWN TO PAVED SURFACE.
3. PROVIDE 1/2" PREFORMED EXPANSION MATERIAL AT 20' ON CENTER AND AT ALL CORNERS. SET EXPANSION MATERIAL 1/2" BELOW EXPOSED SURFACES AND SEAL JOINT.
4. CONCRETE TO ACHIEVE 4,000 PSI STRENGTH AT 28 DAYS.

4 Concrete Curb

SCALE: NTS (321613.16 H2MX1)

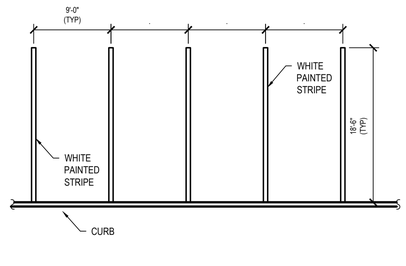


NOTES:

1. CONTRACTOR TO MATCH EXISTING GRADE UNLESS OTHERWISE NOTED. ALL PAVEMENT TRANSITIONS TO BE SMOOTH AND FLUSH WITH EXISTING SURFACES.
2. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL MILLINGS. CONFIRM WITH VILLAGE WHETHER HIGHWAY DEPARTMENT WOULD LIKE MILLINGS.
3. DETAIL APPLICABLE TO ALL AREAS SPECIFIED FOR ASPHALT PAVEMENT IMPROVEMENTS THAT DO NOT REQUIRE FULL DEPTH RESTORATION. FOR THESE AREAS, REFER TO DETAIL 11, THIS SHEET.

5 2" Mill and Pave Section

SCALE: NTS



NOTES:

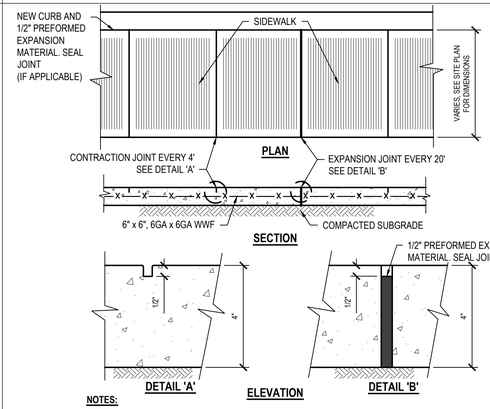
1. ALL STRIPING TO BE 4" WIDE.
2. SEE DIMENSIONAL SITE PLAN FOR LOCATIONS OF RESTRIPING AREAS.

6 Parking Stall Layout - Single Striping

SCALE: NTS

7 Detail Not Used

SCALE: NTS

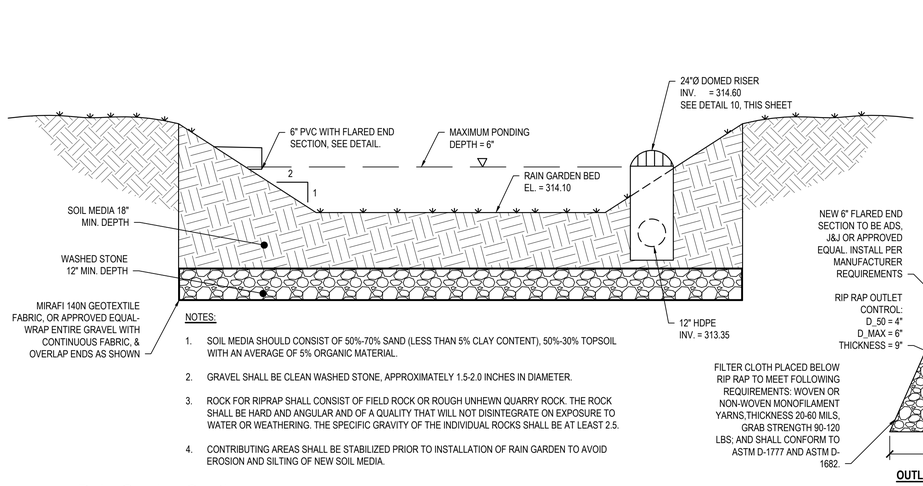


NOTES:

1. CONCRETE TO ACHIEVE 4000 PSI STRENGTH AT 28 DAYS
2. COMPACT SUBGRADE TO 92% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
3. APPLY BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL.

8 Concrete Sidewalk

SCALE: NTS (321313.33 H2MX1) - U



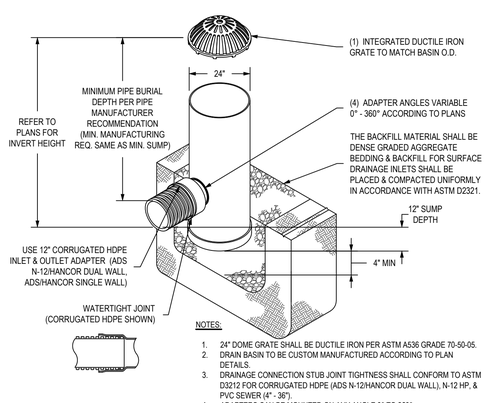
NOTES:

1. SOIL MEDIA SHOULD CONSIST OF 50%-70% SAND (LESS THAN 5% CLAY CONTENT), 50%-30% TOPSOIL WITH AN AVERAGE OF 5% ORGANIC MATERIAL.
2. GRAVEL SHALL BE CLEAN WASHED STONE, APPROXIMATELY 1.5-2.0 INCHES IN DIAMETER.
3. ROCK FOR RIPRAP SHALL CONSIST OF FIELD ROCK OR ROUGH UNHEWN QUARRY ROCK. THE ROCK SHALL BE HARD AND ANGULAR AND OF A QUALITY THAT WILL NOT DISINTEGRATE ON EXPOSURE TO WATER OR WEATHERING. THE SPECIFIC GRAVITY OF THE INDIVIDUAL ROCKS SHALL BE AT LEAST 2.5.
4. CONTRIBUTING AREAS SHALL BE STABILIZED PRIOR TO INSTALLATION OF RAIN GARDEN TO AVOID EROSION AND SILTING OF NEW SOIL MEDIA.

OUTLET CONTROL DETAIL

9 Rain Garden Section

SCALE: NTS

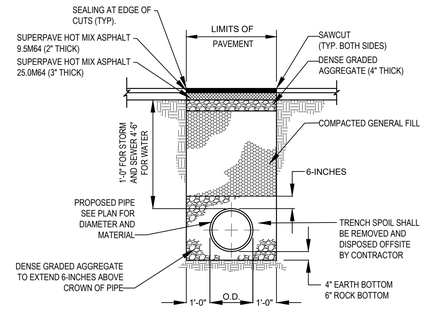


NOTES:

1. 24" DOME GRATE SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
3. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 36").
4. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°.
5. DOME GRATES HAVE NO LOAD RATING.

10 Nyloplast 24" Drain Basin w/ Domed Riser

SCALE: NTS



NOTES:

1. IF DEPTH OF TRENCH EXCEEDS 5', THE CONTRACTOR MUST PROVIDE SHEETING AND BRACING OR A SHEETING BOX IN ACCORDANCE WITH OSHA REGULATIONS. AS AN ALTERNATIVE, IF PERMITTED BY THE ENGINEER, THE TRENCH WALLS MAY BE CUT BACK TO A 1:1 SLOPE OR THE NATURAL ANGLE OF REPOSE FOR THE SOIL, WHICHEVER IS GREATER.
2. COMPACT BACKFILL TO 95% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
3. IN AREAS NOT SPECIFIED FOR PAVEMENTS, CONTRACTOR TO PLACE 6" TOPSOIL AND SEED.
4. ALL TRENCH WORK INSIDE COUNTY ROW SHALL COMPLY WITH COUNTY STANDARDS AND SPECIFICATIONS. SEE DETAIL 5, SHEET C 501.

11 Typical Pipe Trench & Restoration

SCALE: NTS

H2M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SFP	SFP	STH	LLC

PROJECT No.:	DATE:	SCALE:
MKIV 1803	MAY 2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 LEXINGTON AVENUE
MOUNT KISCO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

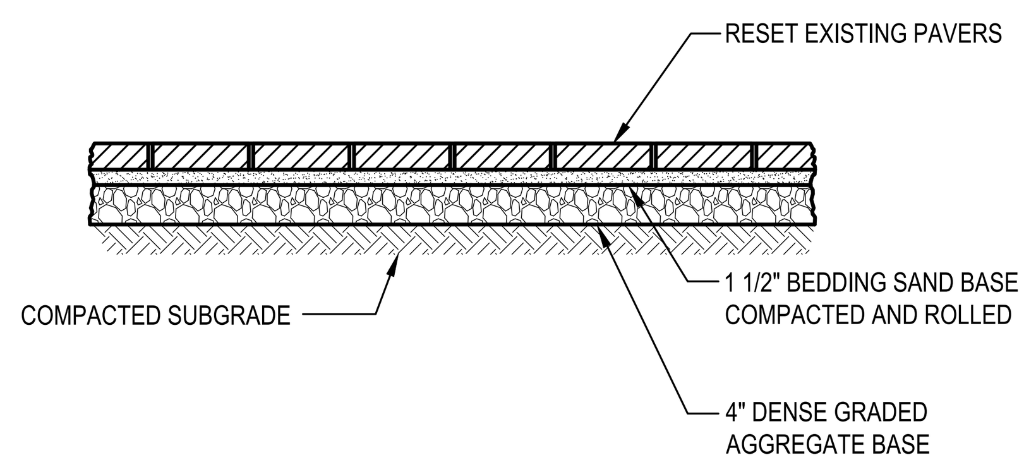
NOT FOR CONSTRUCTION

SHEET TITLE

SITE DETAILS

DRAWING No.

C 500.00

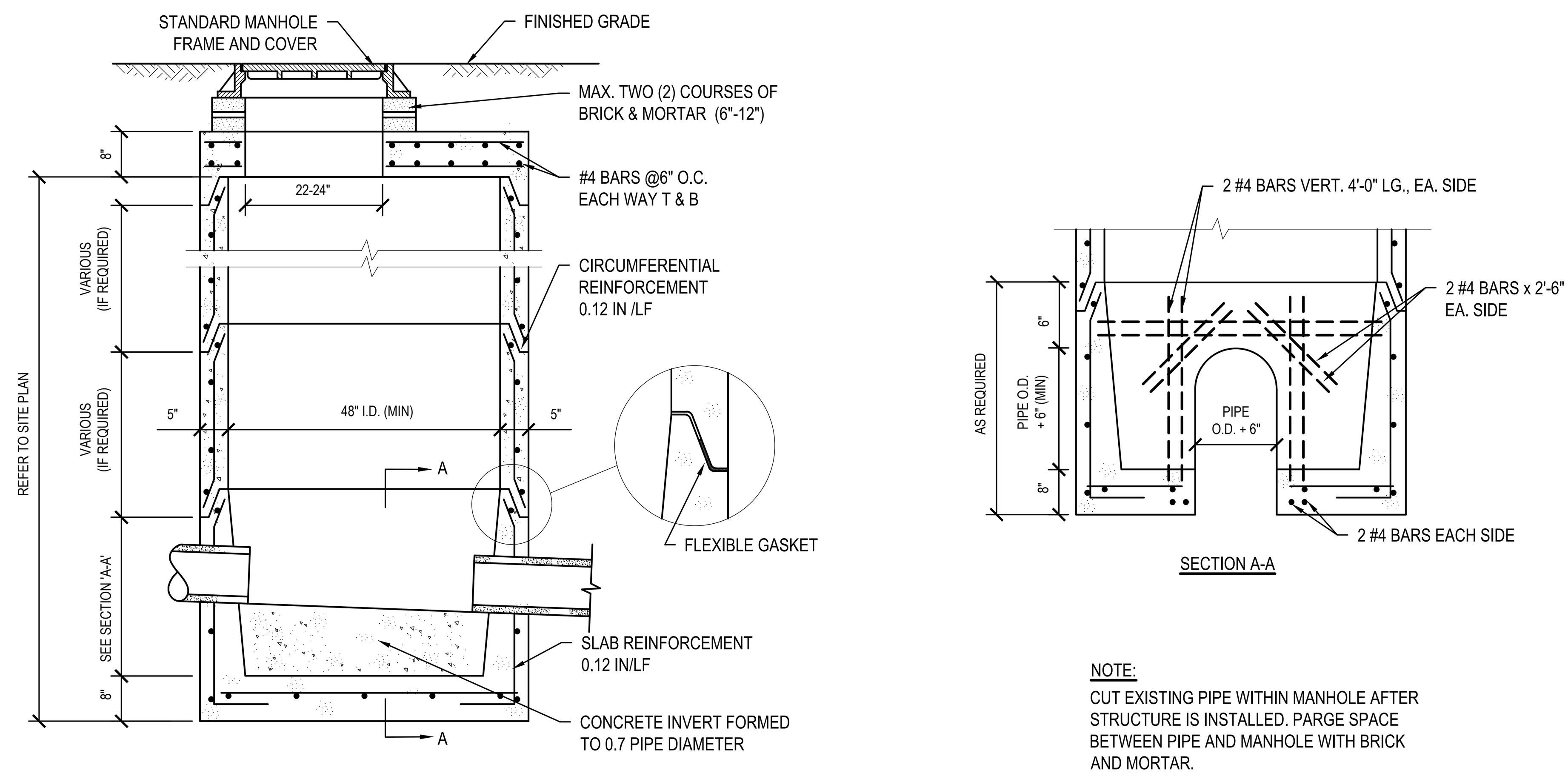


NOTES:

1. COMPACT SUBGRADE TO 92% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
2. CONTRACTOR SHALL RESET PAVERS AND PROVIDE SMOOTH TRANSITIONS AT EXISTING GRADES.

1 Paver Restoration

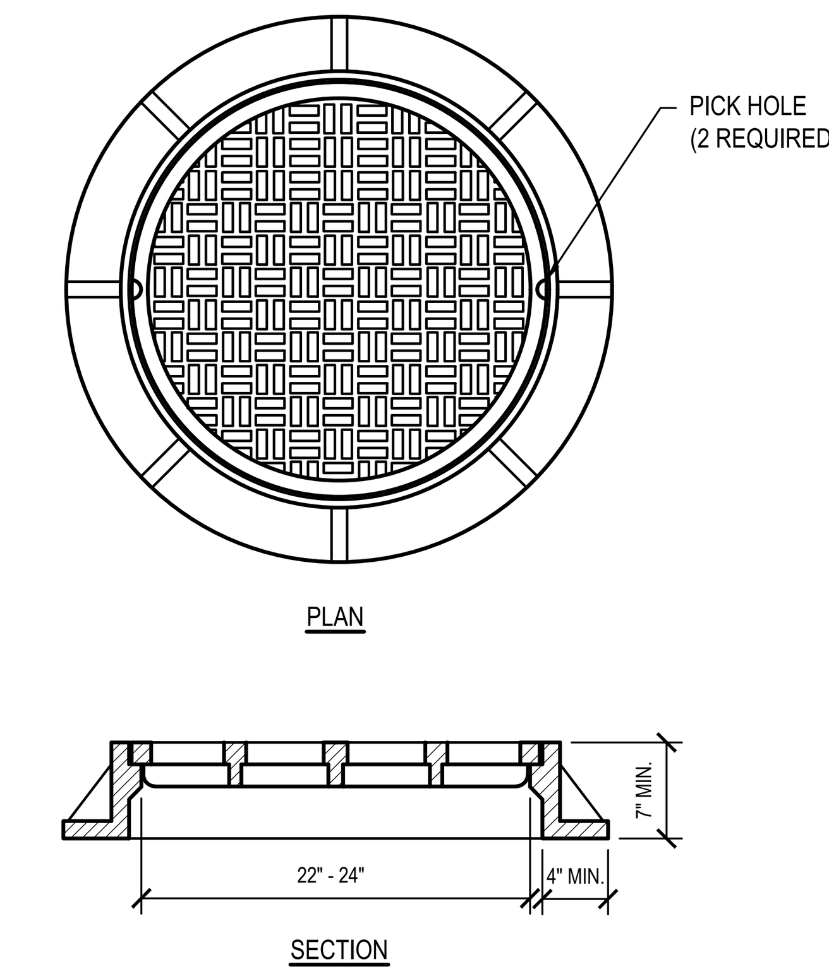
SCALE: NTS



NOTE:
CUT EXISTING PIPE WITHIN MANHOLE AFTER STRUCTURE IS INSTALLED. PARGE SPACE BETWEEN PIPE AND MANHOLE WITH BRICK AND MORTAR.

2 Doghouse Manhole

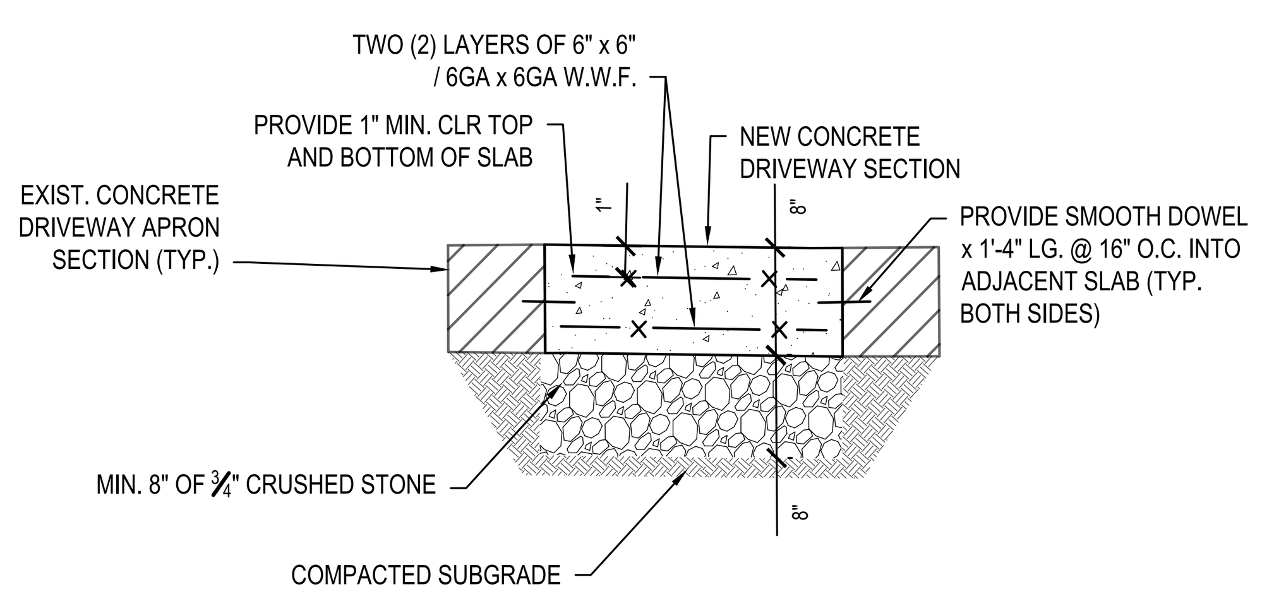
SCALE: NTS (334913.23 H2MX4)



NOTE:
CASTINGS MUST BE CAST IRON AND CAPABLE OF SUPPORTING THE AASHTO HS-20 HIGHWAY LOADING.

3 Circular Frame & Cover - Heavy Duty

SCALE: NTS (334913.23 H2MX4)

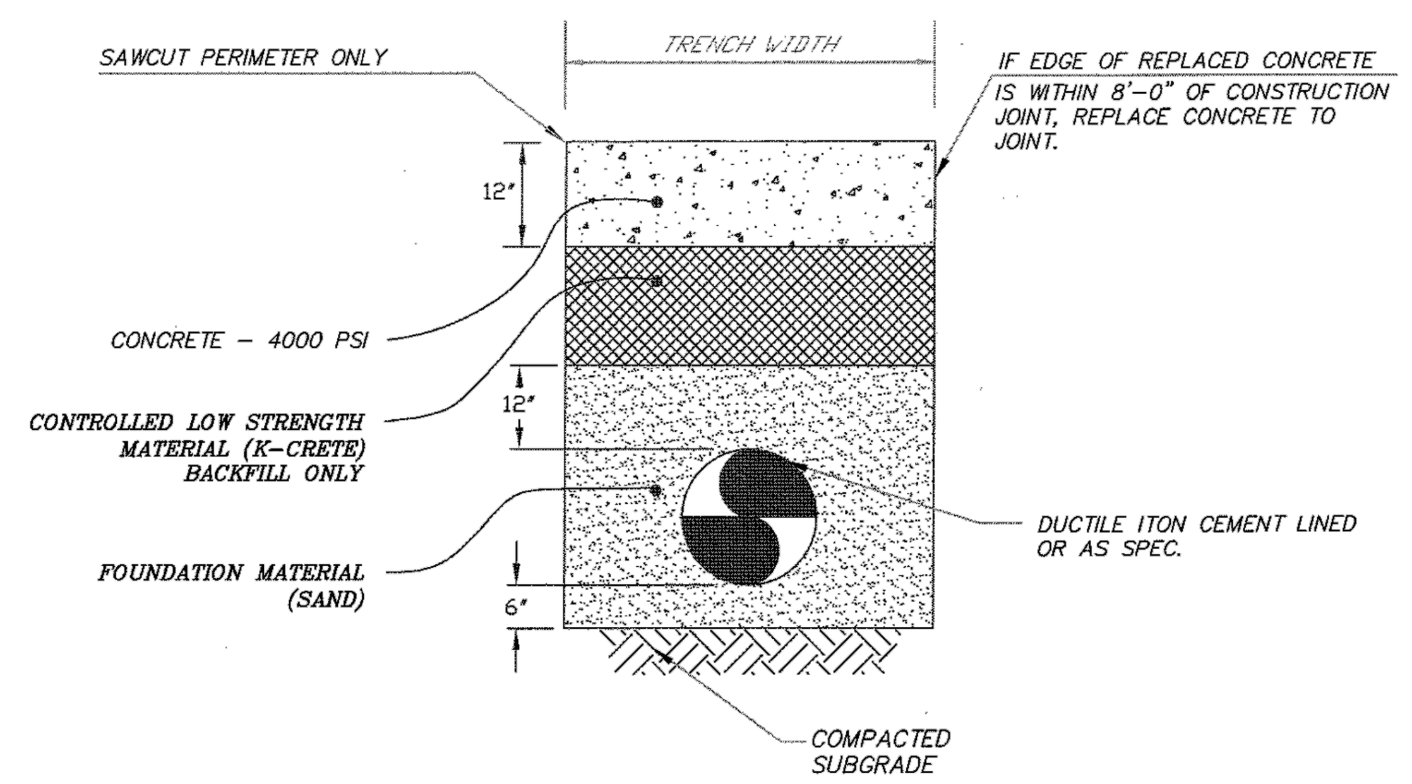


NOTES

1. CONCRETE TO ACHIEVE 4,000 P.S.I. STRENGTH AT 28 DAYS.
2. COMPACT SUBGRADE TO 95% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
3. APPLY BROOM FINISH PERPENDICULAR TO DIRECTION OF VEHICULAR TRAVEL.

4 Concrete Driveway Restoration

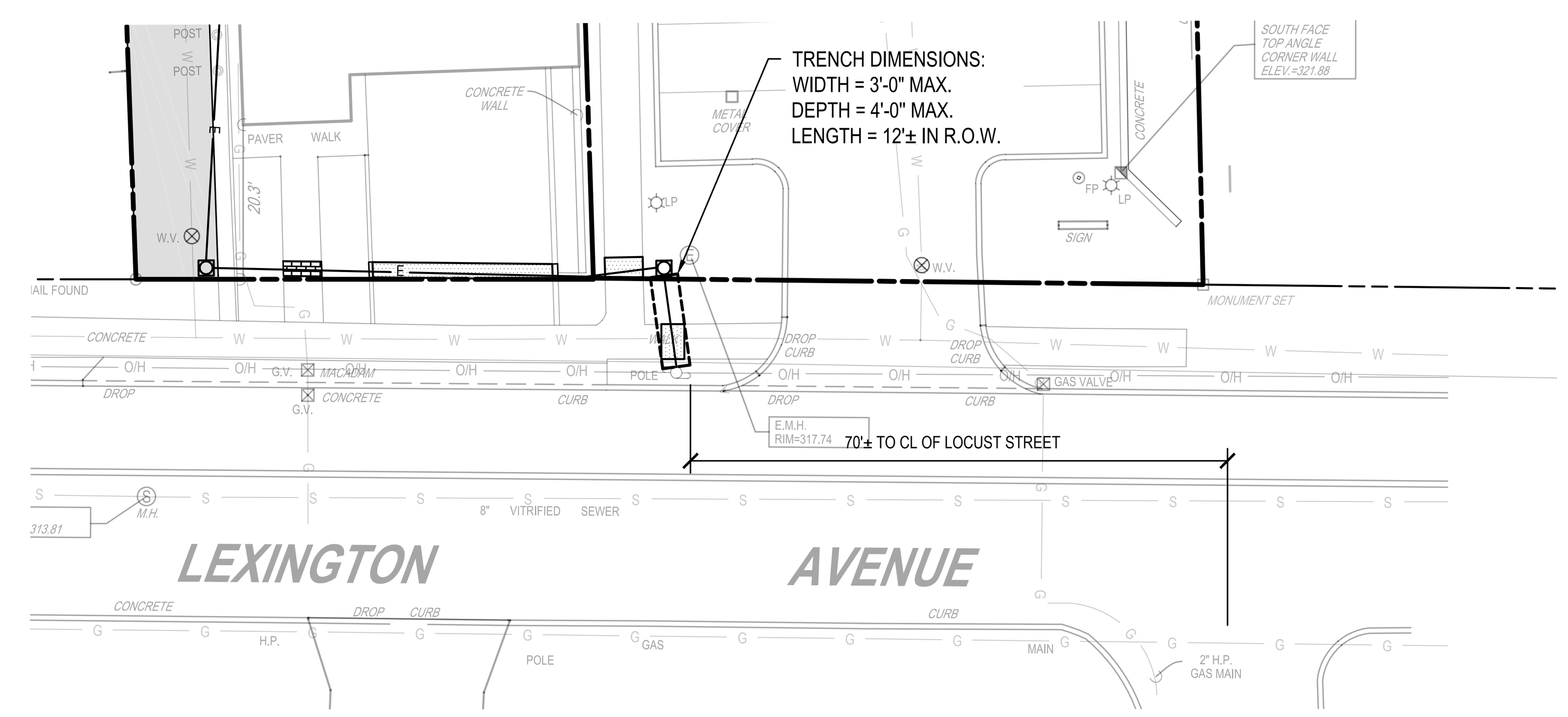
SCALE: NTS



1. TEMPORARY PAVEMENT REPLACEMENT WILL BE ALLOWED ONLY WHEN ASPHALT PLANTS ARE NOT IN OPERATION. WHEN TEMP. PAVEMENT IS USED, CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND UPKEEP OF SAID PATCH UNTIL PERMENANT PATCH IS INSTALLED.
2. UPON THE AVAILABILITY OF ASPHALT, THE CONTRACTOR SHALL EXCAVATE THE "K-KRETE" BACKFILL TO THE ORDERED DEPTH AND REPLACE WITH 4000 PSI CONCRETE AND THE REQUIRED 2" THICK ASPHALT TO THE LIMITS AND SPECIFICATIONS AS SHOWN.
3. STEEL PLATES OF ADEQUATE SIZE SHALL BE PLACED OVER ALL TRENCHES UNTIL THE 4000 PSI CONCRETE PLUG IS DEEMED PASSABLE.
4. STEEL PLATES SHALL BE PINNED AS REQUIRED TO PREVENT MOVEMENT. DURING WINTER ALL STEEL PLATES SHALL BE RECESSED.

NOTES:

1. DETAIL PER WESTCHERSTER COUNTY STANDARD DETAILS.
2. REFER TO ELECTRICAL DRAWINGS FOR SIZE AND MATERIAL SPECIFICATIONS.
3. WHERE DISCREPANCIES OCCUR BETWEEN ELECTRICAL TRENCHING FOR ONSITE WORK AND COUNTY DETAIL (DETAIL 4, THIS SHEET) ALL WORK IN COUNTY RIGHT OF WAY SHALL COMPLY WITH THIS DETAIL.
4. CONTRACTOR SHALL PROVIDE TRACEABLE WARNING TAPE AT 12" ABOVE ELECTRICAL CONDUIT.
5. ALL WORK IN THE RIGHT OF WAY SHALL COMPLY WITH NYSDOT STANDARDS AND SPECIFICATIONS FOR WORK ZONE TRAFFIC CONTROL (SEE NYSDOT SHEET 619).



COUNTY RIGHT OF WAY SKETCH

5 Concrete Pavement Replacement for County Roads

SCALE: NTS

H2M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SFP	SFP	STH	LLC

PROJECT No.	DATE:	SCALE:
MKIV 1803	MAY 2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 LEXINGTON AVENUE
MOUNT KISCO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

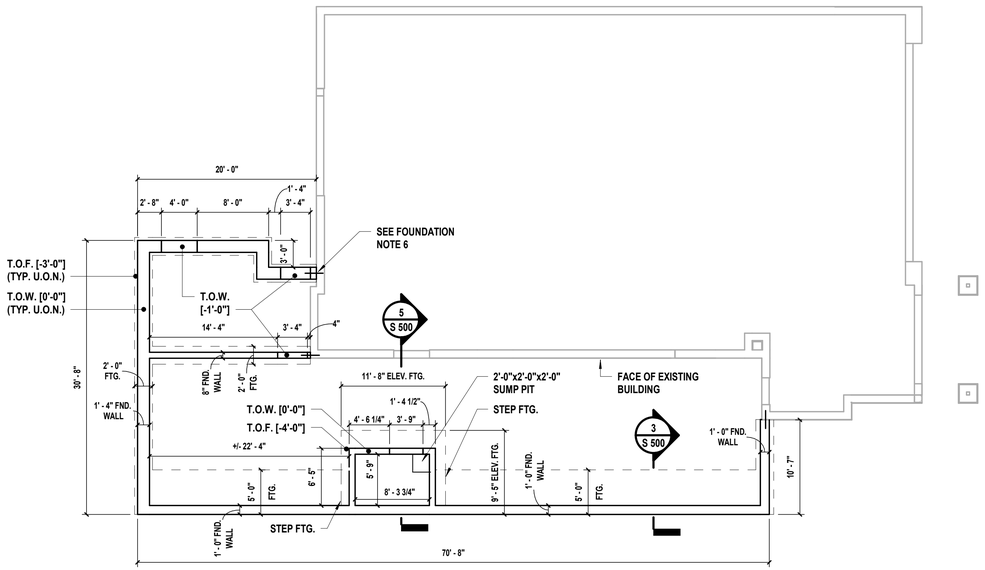
NOT FOR CONSTRUCTION

SHEET TITLE

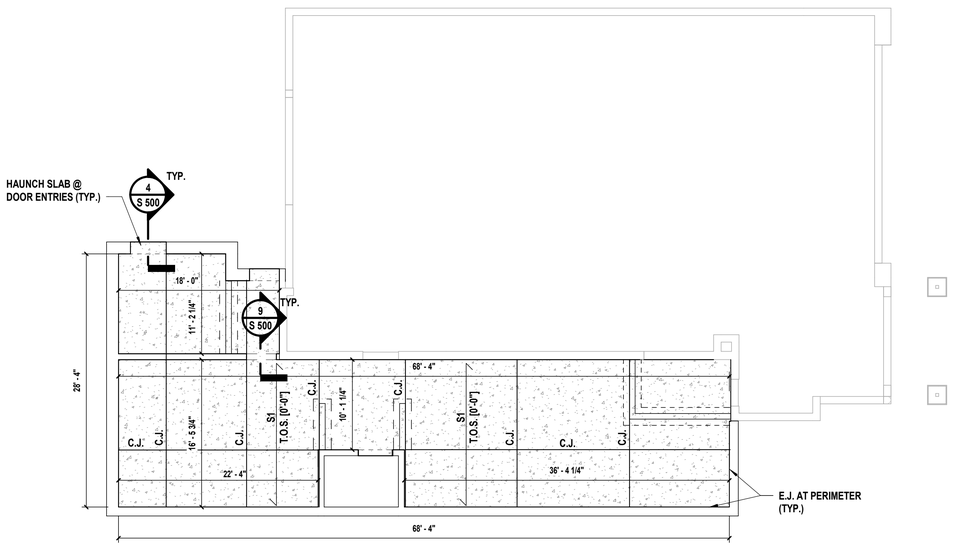
SITE DETAILS

DRAWING No.

C 501.00



1 **Foundation Plan**
SCALE: 1/8" = 1'-0"



2 **Slab Plan**
SCALE: 1/8" = 1'-0"

DESIGN LOADS:

ALL DESIGN LOADS ARE IN ACCORDANCE WITH 2020 NYS BC & ASCE 7-16
STRUCTURAL OCCUPANCY (RISK) CATEGORY IV

1. BUILDING DESIGN LOADS:
   - FIRST FLOOR LIVE LOAD = 100 PSF
   - FIRST FLOOR COLLATERAL DEAD LOAD = 10 PSF
   - 2ND FLOOR LIVE LOAD (CORRIDOR) = 80 PSF
   - 2ND FLOOR LIVE LOAD (OFFICE) = 50 PSF
   - 2ND FLOOR LIVE LOAD (ELEVATOR LOBBY) = 100 PSF
   - 2ND FLOOR DEAD LOAD = 50 PSF
   - ROOF LIVE LOAD = 20 PSF
   - ROOF DEAD LOAD = 17 PSF

2. SNOW LOADS:

GROUND SNOW LOAD,	Pg = 30 PSF
(EXPOSURE)	Ce = 1
(THERMAL)	Ct = 1
(IMPORTANCE)	Is = 1.2
FLAT ROOF SNOW LOAD	PF = 25.2 PSF

3. WIND LOADS:

BASIC WIND SPEED:	130 MPH
EXPOSURE:	B
EXPOSURE ADJUSTMENT FACTOR:	1.0
INTERNAL PRESSURE COEFFICIENT:	Gcpi = ±0.18

		EXPOSURE B WIND LOADS		EXPOSURE ADJUSTMENT COEFFICIENT		DESIGN WIND LOADS
MWFRS WALL	(END ZONE)	26.8 PSF	x	1.0	=	26.8 PSF
MWFRS WALL	(INT. ZONE)	17.8 PSF	x	1.0	=	17.8 PSF
MWFRS ROOF	(END ZONE)	-13.9 PSF	x	1.0	=	-13.9 PSF
MWFRS ROOF	(INT. ZONE)	-8.2 PSF	x	1.0	=	-8.2 PSF
MWFRS ROOF	(UPLIFT)	-32.2 PSF	x	1.0	=	-32.2 PSF
COMPONENTS & CLADDING	(WALL PRESSURE)	30.4 PSF	x	1.0	=	30.4 PSF
	(WALL SUCTION)	-40.7 PSF	x	1.0	=	-40.7 PSF
	(ROOF PRESSURE)	12.4 PSF	x	1.0	=	12.4 PSF
	(ROOF SUCTION)	-63.9 PSF	x	1.0	=	-63.9 PSF

4. SEISMIC CRITERIA:
   - SITE CLASS: D
   - (IMPORTANCE) Ie = 1.5
   - Fa = 1.6 FV = 2.4
   - Ss = 0.254%g S1 = 0.071%g
   - Sms = 0.406 Sm1 = 0.170
   - Sds = 0.271 Sd1 = 0.114
   - SEISMIC DESIGN CATEGORY: B
   - EQUIVALENT LATERAL FORCE PROCEDURE
   - ORDINARY REINFORCED MASONRY SHEAR WALLS

5. SOIL BEARING CAPACITY: 1.5 TONS/S.F.
   AS REFERENCED BY SUB-SURFACE SOILS INVESTIGATION PERFORMED BY MELICK-TULLY & ASSOCIATES ON THE 1ST OF MAY, 2018

LEGEND:

U.O.N. =	UNLESS OTHERWISE NOTED
T.O.F. =	TOP OF FOOTING
T.O.W. =	TOP OF WALL
C.J. =	CONTROL JOINT
E.J. =	1/2" PREMOLDED EXPANSION JOINT
T.O.S. =	TOP OF SLAB
H.P. =	HIGH POINT OF PITCHED SLAB
L.P. =	LOW POINT OF PITCHED SLAB
	INDICATES PITCH DIRECTION OF SLAB
	INDICATES CHANGE IN SLAB ELEVATION

FOUNDATION PLAN NOTES:

1. ELEVATIONS SHOWN THUS [ ] ARE RELATIVE TO FINISHED FIRST FLOOR ELEVATION [0'-0"].
2. ALL EXCAVATED EARTH SHALL BE REPLACED WITH TYPE 'C' CONTROLLED FILL AS PER SPECIFICATION SECTION 312323.13.
3. CONTRACTOR SHALL COORDINATE SIZE AND LOCATIONS OF ALL REQUIRED PIPING AND CONDUIT PENETRATIONS THROUGH FOUNDATION WALL WITH ALL OTHER CONTRACTS. PROVIDE PIPE SLEEVES AND REINFORCEMENT AROUND PENETRATIONS AS PER DETAIL 6 ON SHEET S-500
4. REFER TO 'A' DWGS FOR WATERPROOFING REQUIREMENTS.
5. COORDINATE LOCATIONS OF REINFORCEMENT DOWELS INTO BUILDING WALLS WITH MASONRY TRADE.
6. PROVIDE #5 DOWELS, 2'-0" LG. @ 12" O.C., EMBEDDED 8" INTO EXISTING FOUNDATION WALLS USING HILTI HIT-HY 200 ADHESIVE OR EQUAL.
7. CONTRACTOR SHALL COORDINATE DIMENSIONS OF ELEVATOR PIT FOUNDATION WITH ELEVATOR MANUFACTURER PRIOR TO COMMENCEMENT OF WORK IN THIS AREA.

SLAB NOTES:

1. ELEVATIONS SHOWN THUS [ ] ARE RELATIVE TO FINISHED FIRST FLOOR ELEVATION [0'-0"].
2. S1 INDICATES SPAN OF 6" CONCRETE SLAB ON GRADE REINFORCED WITH 6x6 - W2.9xW2.9 W.W.F.
3. PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT AROUND PERIMETER OF CONCRETE SLAB ON GRADE WHERE IT ABUTS THE FOUNDATION WALL OF THE BUILDING.
4. COORDINATE LOCATIONS OF INTERIOR MASONRY WALLS WITH 'A' DWGS. PROVIDE #5 DOWELS, 1'-4" x 6" LG. @ 48" O.C. TO BE EMBEDDED INTO CONCRETE FLOOR SLAB.

MASONRY NOTES:

1. ALL VERTICAL MASONRY WALL REINFORCEMENT SHALL BE #5 BARS SPACED AT A MAXIMUM OF 32" O.C., TYP. UNLESS OTHERWISE NOTED.
2. THE FIRST CELL ADJACENT TO MASONRY OPENINGS, AS WELL AS ALL CORNERS, SHALL CONTAIN (1) CONT. #5 BAR, TYP. AT EACH SIDE OF OPENING.
3. FILL ALL MASONRY CELLS CONTAINING REINFORCEMENT SOLID WITH GROUT, TYP.,
4. REFER TO 'A' DWGS. AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT OUTLINED HERE, INCLUDING HORIZONTAL REINFORCEMENT AND BRICK TIES.
5. ALL VERTICAL REINFORCEMENT INTERRUPTED BY STRUCTURAL STEEL SHALL BE WELDED TO TOP OF STEEL MEMBERS, TYP.
6. COORDINATE PLACEMENT OF VERTICAL WALL DOWELS EMBEDDED INTO FOUNDATION WALL WITH CELLS OF MASONRY WALL. DOWEL SPACING TO MATCH SPACING OF VERTICAL REINFORCEMENT IN WALLS, TYP.
7. SEE S 121 FOR LOOSE LINTEL SCHEDULE

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
MDH/JES	MDH/JES	SDL	SDL

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

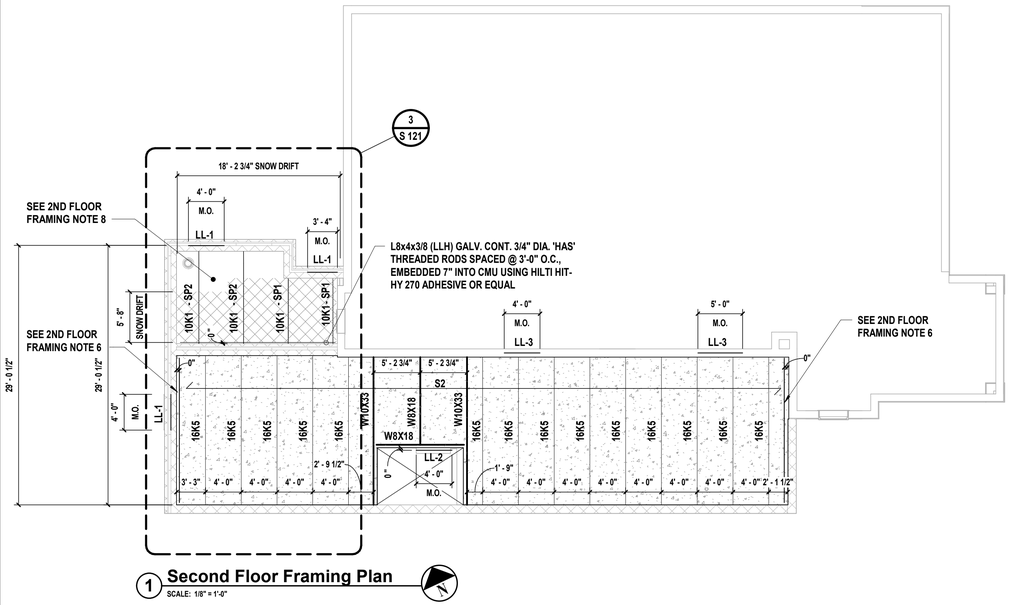
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

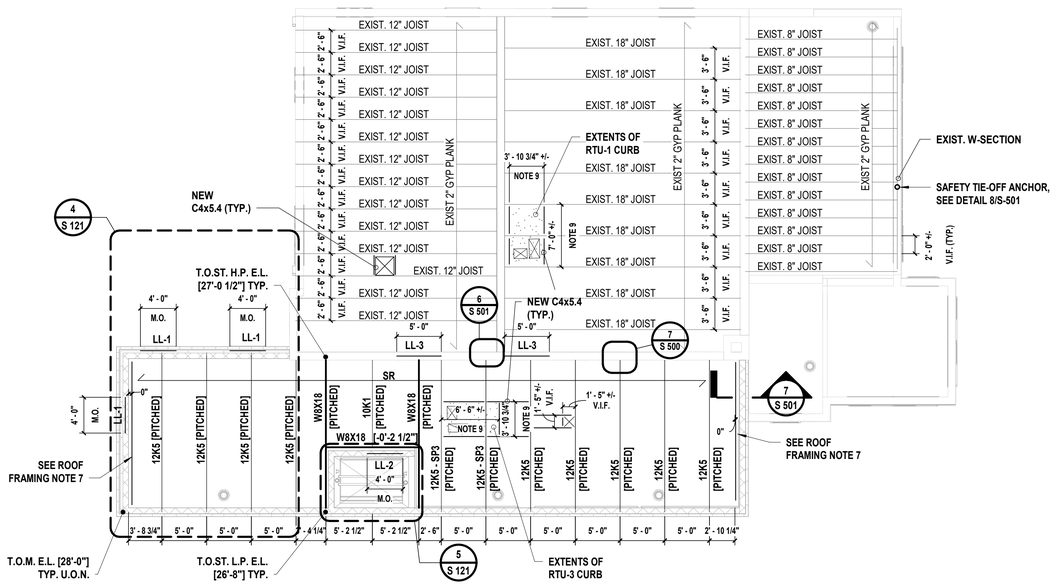
STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
FOUNDATION PLAN, SLAB PLAN, & DESIGN LOADS

DRAWING No.
S 100

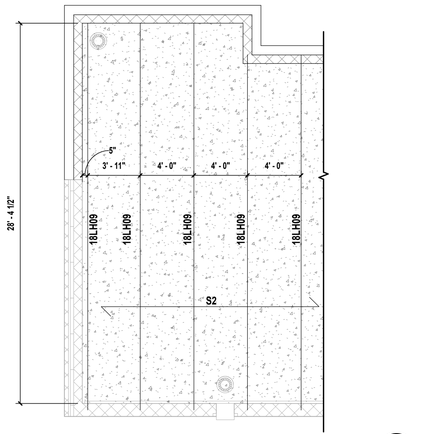
C:\Users\mhornberger\Documents\MKIV1803_Central19_S_mhornberger.rvt
12/14/2021 5:19:22 PM





SECOND FLOOR FRAMING NOTES:

1. TOP OF STEEL SHALL BE SET AT [14'-8"] ABOVE FINISHED FIRST FLOOR ELEVATION UNLESS OTHERWISE NOTED AS THUS [ ].
2. S2 INDICATES SPAN OF 4" CONCRETE SLAB, REINFORCED WITH 6x6 - W2.9xW2.9 W.W.F. AND 1.3C 24GA. METAL FORM DECK AS MANUFACTURED BY VULCRAFT NUCOR OR APPROVED EQUAL.
3. INSTALL BRIDGING FOR BAR JOISTS AS PER S.J.I. REQUIREMENTS.
4. STEEL CONNECTION PIECE DETAILS SHALL BE SUBMITTED WITH CALCULATIONS SIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER. CONNECTION DESIGNER SHALL DESIGN ALL MOMENT CONNECTIONS AND SIMPLE SHEAR CONNECTIONS. WHERE DESIGN SHEAR REACTION IS NOT LISTED ON DRAWINGS, IT SHALL BE DETERMINED BY THE CONNECTION DESIGNER AS THE MAXIMUM REACTION RESULTING FROM THE INDICATED BEAM SECTION BEING FULLY LOADED WITH MAXIMUM ALLOWABLE UNIFORM LOADS AS SPECIFIED IN AISC SPECIFICATION. WHERE AXIAL FORCE IN BEAMS IN NOT LISTED IN DRAWINGS, IT SHALL BE TAKEN AS 10 KIPS ASD. ALL CONNECTIONS SHALL BE DESIGNED CONSIDERING AXIAL, SHEAR AND MOMENT FORCES SIMULTANEOUSLY AS REQUIRED BY BUILDING CODE. SEE STRUCTURAL STEEL SPECIFICATIONS FOR ADDITIONAL DESIGN LOADING REQUIREMENTS.
5. PROVIDE CONTINUOUS 12 GA. POURSTOP WITH 18 GA. CELL CLOSURE AROUND PERIMETER OF FLOOR SLAB WHERE IT ABUTS THE WALL AND AT EDGES OF SLAB OPENINGS, TYP.
6. PROVIDE L6x4x5/16 (LLV) SEAT FASTENED TO FACE OF CMU WALL W/ 5/8" Ø HILTI HIT-HY 270 'HAS' THREADED RODS @ 16" O.C. OR EQUAL, EMBEDDED 4" (TYP.). CELLS TO BE GROUTED AT ATTACHMENT LOCATIONS.
7. DECKING SHALL BE FASTENED TO THE FLOOR FRAMING USING A 36/4 FASTENER PATTERN. DECKING SHALL BE FASTENED TO SUPPORTS USING 5/8" PUDDLE WELDS, SIDELAPS SHALL BE FASTENED USING # 10 SCREWS.
8. 'SP' JOIST DESIGNATIONS ARE APPLICABLE FOR BASE BID CONSTRUCTION. IF ALTERNATE IS SELECTED, THESE PARTICULAR JOISTS WILL BE DESIGNED FOR 2ND FLOOR DL= 50PSF & 2ND FLOOR LL = 50PSF



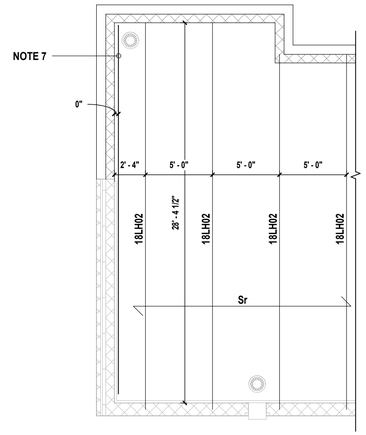
3 Alternate Second Floor Plan Addition
SCALE: 3/16" = 1'-0"

LEGEND:

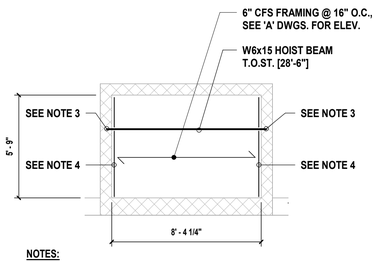
U.O.N. = UNLESS OTHERWISE NOTED
T.O.M. = TOP OF MASONRY
H.P. = HIGH POINT OF PITCHED FRAMING
L.P. = LOW POINT OF PITCHED FRAMING
INDICATES PITCH DIRECTION OF SLAB

ROOF FRAMING NOTES:

1. TOP OF STEEL SHALL BE IN REFERENCE TO FINISHED FIRST FLOOR ELEVATION.
2. SR INDICATES SPAN OF 22 GA. 1.5B-36 METAL DECK BY VULCRAFT OR APPROVED EQUAL
3. INSTALL BRIDGING FOR BAR JOISTS AS PER S.J.I. REQUIREMENTS.
4. STEEL CONNECTION PIECE DETAILS SHALL BE SUBMITTED WITH CALCULATIONS SIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER. CONNECTION DESIGNER SHALL DESIGN ALL MOMENT CONNECTIONS AND SIMPLE SHEAR CONNECTIONS. WHERE DESIGN SHEAR REACTION IS NOT LISTED ON DRAWINGS, IT SHALL BE DETERMINED BY THE CONNECTION DESIGNER AS THE MAXIMUM REACTION RESULTING FROM THE INDICATED BEAM SECTION BEING FULLY LOADED WITH MAXIMUM ALLOWABLE UNIFORM LOADS AS SPECIFIED IN AISC SPECIFICATION. WHERE AXIAL FORCE IN BEAMS IN NOT LISTED IN DRAWINGS, IT SHALL BE TAKEN AS 10 KIPS ASD. ALL CONNECTIONS SHALL BE DESIGNED CONSIDERING AXIAL, SHEAR AND MOMENT FORCES SIMULTANEOUSLY AS REQUIRED BY BUILDING CODE. SEE STRUCTURAL STEEL SPECIFICATIONS FOR ADDITIONAL DESIGN LOADING REQUIREMENTS.
5. FOR SPECIAL JOIST LOADING DIAGRAMS ('SP') SEE DETAIL 1 ON S-501.
6. ALL EXISTING CONDITIONS TO BE CONFIRMED BY CONTRACTOR. ANY DISCREPANCIES SHALL BE REPORTED TO E.O.R. UPON DISCOVERY.
7. PROVIDE L6x4x5/16 (LLV) SEAT FASTENED TO FACE OF CMU WALL W/ 5/8" Ø HILTI HIT-HY 270 'HAS' THREADED RODS @ 24" O.C. OR EQUAL, EMBEDDED 4" (TYP.). CELLS TO BE GROUTED AT ATTACHMENT LOCATIONS. PROVIDE 1/4" WEB STIFFENER PLATES TO ANGLE DIRECTLY BELOW JOIST BEARING LOCATIONS (WHERE APPLICABLE).
8. DECKING SHALL BE FASTENED TO THE FLOOR FRAMING USING A 36/4 FASTENER PATTERN. DECKING SHALL BE FASTENED TO SUPPORTS USING 5/8" PUDDLE WELDS, SIDELAPS SHALL BE FASTENED USING #10 SCREWS.
9. CONTRACTOR TO COORDINATE ALL ROOF TOP EQUIPMENT & OPENINGS W/ 'M' DWGS AND WITH APPROVED SHOP DRAWINGS. LOCATIONS INDICATED ARE APPROXIMATE AND SHALL BE COORDINATED.
10. THE ADDITION OF WEB STIFFENERS IS REQUIRED FOR ALL EXISTING JOISTS THAT BEAR A NEW ADDITIONAL LOAD FROM NEW MECHANICAL EQUIPMENT, TYP.



4 Alternate Roof Framing Plan Addition
SCALE: 3/16" = 1'-0"



NOTES:

1. TOP OF FRAMING SHALL BE IN REFERENCE TO FINISHED FIRST FLOOR ELEV.
2. DOUBLE UP CFS FRAMING AROUND PERIMETER OF ROOF PENETRATION.
3. REFER TO DETAIL 7/S-500 FOR BEAM POCKETING INTO CMU WALL.
4. PROVIDE 6" CFS RIM TRACK FASTENED TO CMU WALL W/ 1/2" Ø BOLTS @ 24" O.C. MAX, EMBEDDED 4" INTO WALL USING HILTI HIT-HY 270 OR EQUAL.

5 Upper Roof Framing Plan
SCALE: 1/4" = 1'-0"

LINTEL SCHEDULE

MARK	SIZE	DETAILS	COMMENTS
LL-1	(2) L3 1/2 x 3 1/2x 1/4, (1)L3 1/2 x 3 1/2 x 1/4 & PL 1/4" x 13" x M.O.		NOTES 1-3, 5
LL-2	(2) L3 1/2 x 3 1/2x 1/4		NOTES 1, 3, 5
LL-3	(2) L6 x 4 x 5/16" (LLV) W/ SPACER		NOTES 1, 3, 4

NOTES:

1. LINTEL LENGTH SHALL BE M.O. + 1'-4" TO PROVIDE MIN. BEARING OF 8" ONTO SOLID MASONRY ON EACH SIDE.
2. ALL EXTERIOR LINTELS TO BE SHOP APPLIED HOT DIPPED GALVANIZED.
3. WELD VERTICAL REINFORCEMENT INTERRUPTED BY MASONRY OPENINGS TO TOP OF THE STEEL LINTELS, TYPICAL.
4. ANTICIPATED EXISTING MASONRY IS 10" CMU. PROVIDE 1" SPACER BETWEEN VERTICAL LEGS OF DOUBLE ANGLES FOR 10" CMU. CONTRACTOR TO CONFIRM ASSUMED WALL TYPE PRIOR TO FABRICATION OF LINTEL.
5. VERTICAL LEGS OF DOUBLE ANGLES SHALL BE WELDED TOGETHER.

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
MDH/JES	MDH/JES	SDL	SDL

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

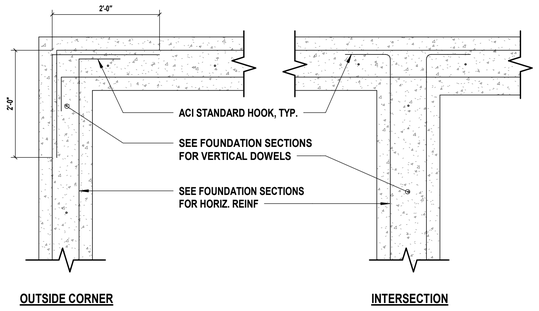
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

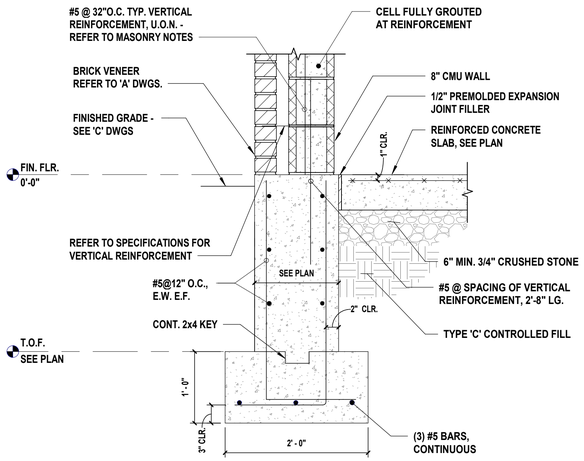
SHEET TITLE
SECOND FLOOR FRAMING & ROOF FRAMING PLAN

DRAWING No.
S 121

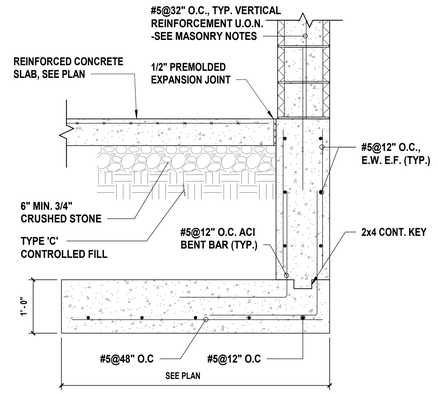
C:\Users\mhomberger\Documents\MKIV1803_Central19_S_mhomberger.rvt
12/14/2021 5:19:25 PM



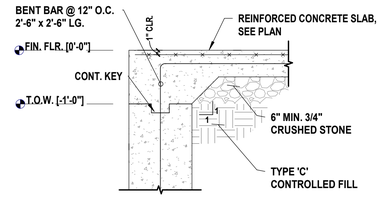
1 Typical Foundation Reinforcement at Corner and Intersection
SCALENTS



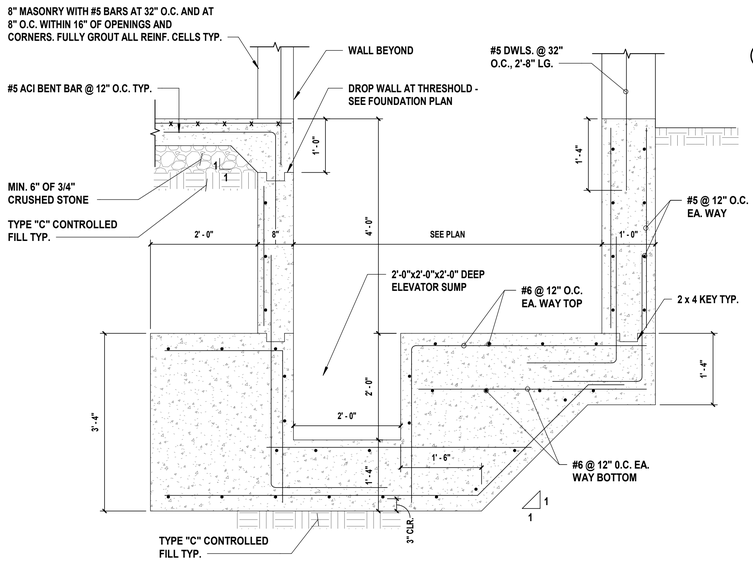
2 Exterior Foundation Wall w/ Brick Shelf
SCALE:N.T.S.



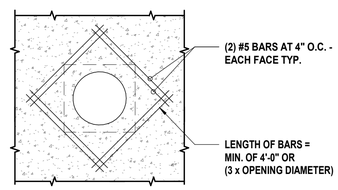
3 Exterior Foundation Wall @ South End
SCALE: 3/4" = 1'-0"



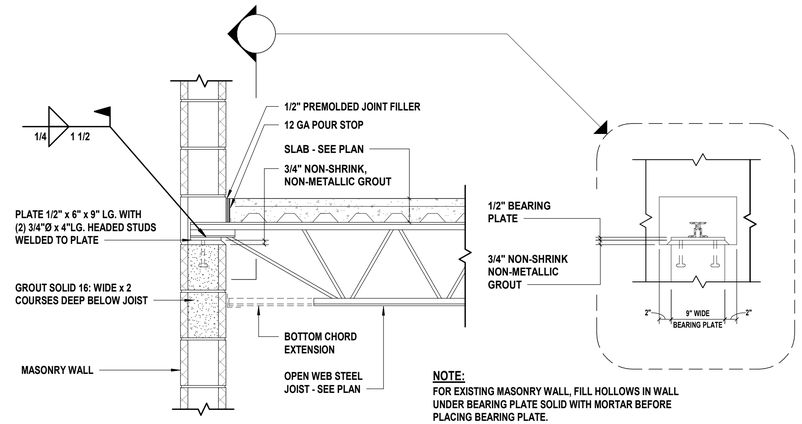
4 Typical Haunched Slab at Doorways
SCALE:N.T.S.



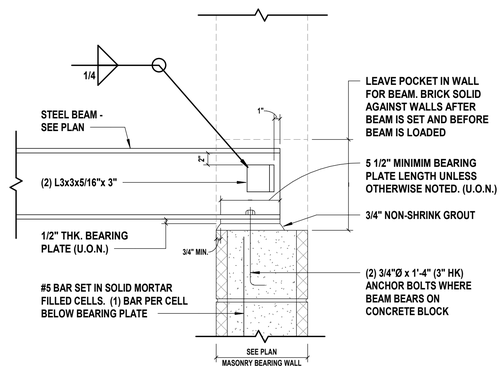
5 Elevator Pit with Sump Pit
SCALE: 3/4" = 1'-0"



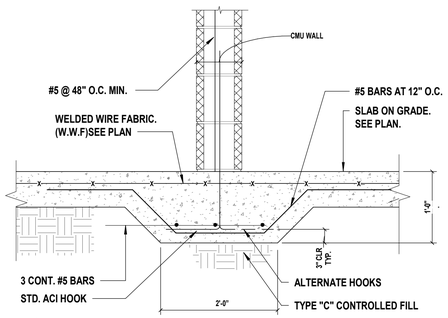
6 Typical Pipe Penetration Detail - Elevation View
SCALE:N.T.S.



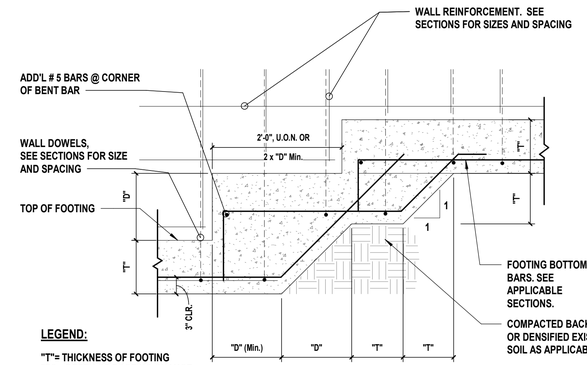
7 Typical Joist Bearing on CMU Wall
SCALE:N.T.S.



8 Typical Beam Bearing on CMU Wall
SCALE:N.T.S.



9 Typical Haunched Slab at Masonry Partition
SCALE:N.T.S.



10 Typical Stepped Footing Detail
SCALE:N.T.S.

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
MDH/JES	MDH/JES	SDL	SDL

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

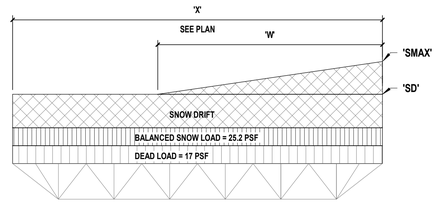
SHEET TITLE

DETAILS

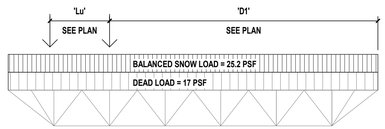
DRAWING No.

S 500

C:\Users\mhomberger\Documents\MKIV1803_Central19_S_mhomberger.rvt
12/14/2021 5:19:26 PM

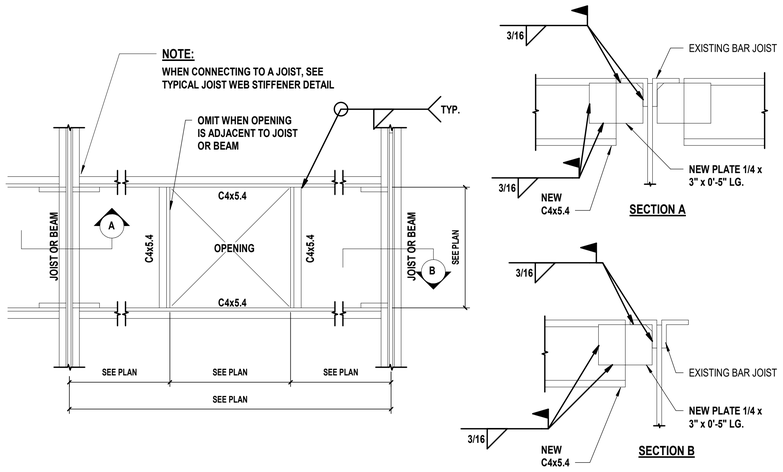


JOIST DESIGNATION	'SD' (PSF)	'SMAX' (PSF)	'X'	'W'
SP1	58	N/A	SEE PLAN	N/A
SP2	N/A	28	NA	SEE PLAN

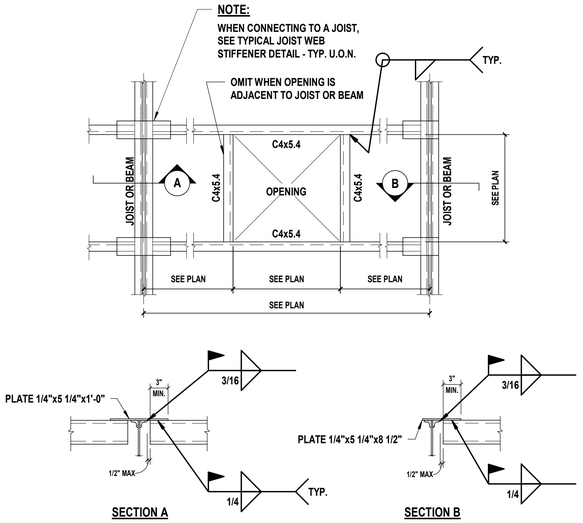


JOIST DESIGNATION	P (LBS)	'D'	'Lu'
SP3	245	SEE PLAN	SEE PLAN

1 Joist Loading Diagrams
SCALE: N.T.S.



2 Typical Framed Roof Opening at Existing Joist or Beam
SCALE:N.T.S.

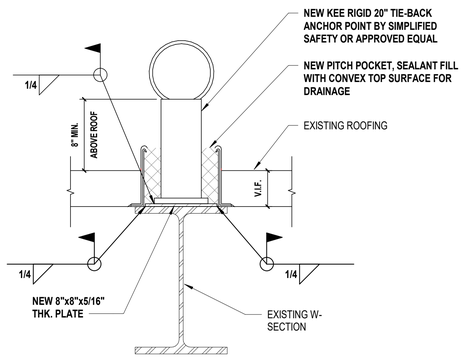


3 Typical Framed Roof Opening
SCALE:N.T.S.

4 Typical Joist Web Stiffeners
SCALE:N.T.S.

6 Beam Pocket at Existing CMU Wall
SCALE: 1 1/2" = 1'-0"

7 New CMU Parapet to Existing Masonry Wall
SCALE: 1" = 1'-0"



8 Tie-Off Anchor Detail
SCALE: 1 1/2" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
MDH/JES	MDH/JES	SDL	SDL

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

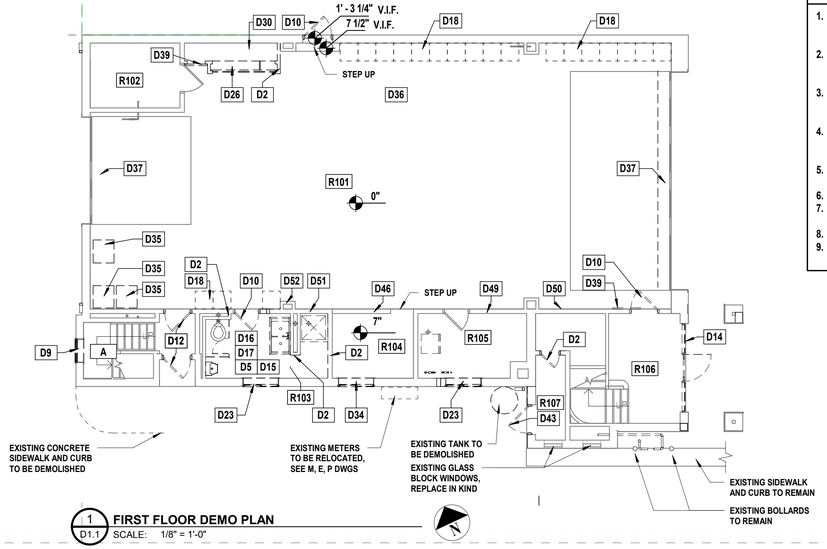
DETAILS

DRAWING No.

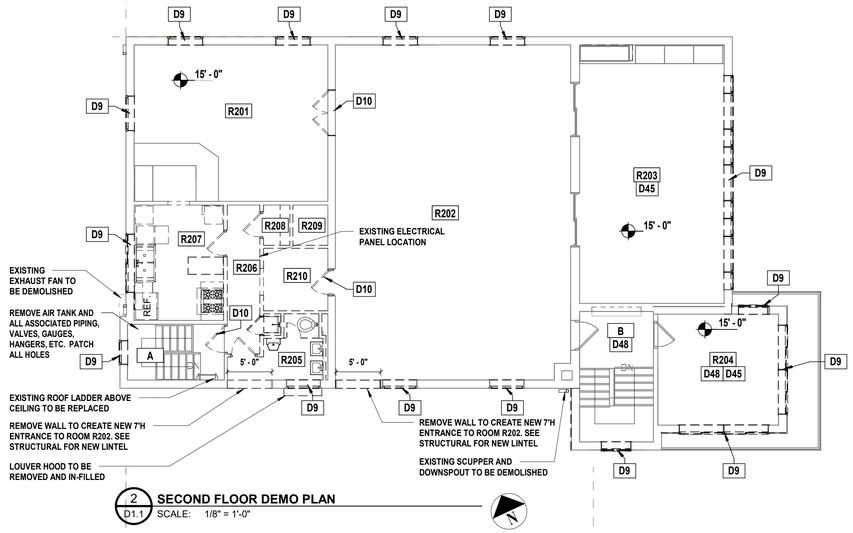
S 501

C:\Users\mhomberger\Documents\MKIV1803_Central19_S_mhomberger.rvt

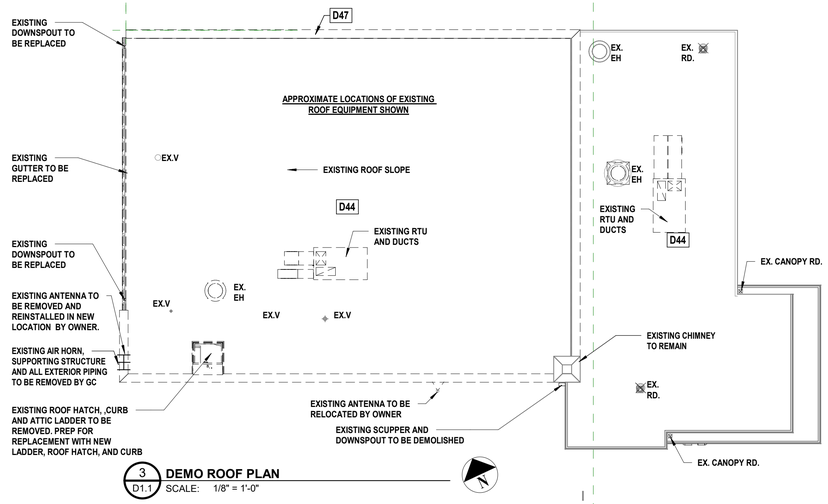
12/14/2021 5:19:27 PM



1 D1.1 **FIRST FLOOR DEMO PLAN**
SCALE: 1/8" = 1'-0"



2 D1.1 **SECOND FLOOR DEMO PLAN**
SCALE: 1/8" = 1'-0"



3 D1.1 **DEMO ROOF PLAN**
SCALE: 1/8" = 1'-0"

ASBESTOS ABATEMENT NOTES

1. ASBESTOS ABATEMENT WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL AND STATE CODE REQUIREMENTS AND THE CONTRACT. *SEE SPECIFICATION SECTION 02 80 80 AND 02 80 80.01*
2. AIR MONITORING-TEST LABORATORY-TEST LABORATORY SERVICE SHALL BE PERFORMED BY THE OWNER. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE WITH OWNER FOR INDEPENDENT AIR MONITORING.
3. CONTRACTOR SHALL PROVIDE 10 DAYS NOTIFICATION TO ENGINEER AND OWNER BEFORE COMMENCING ABATEMENT OPERATIONS ON SITE IN THE AREAS IDENTIFIED AS BEING POSITIVE FOR ASBESTOS.
4. THIS BUILDING IS KNOWN TO CONTAIN ASBESTOS CONTAINING MATERIALS. REFER TO THE SPECIFICATIONS FOR LOCATIONS. CONTRACTOR SHALL REFER ASBESTOS TO PRE-CONSTRUCTION SURVEY DATED MARCH 1, 2016 FOR ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL PAY FOR AND SECURE ALL PERMITS AND NOTIFICATIONS REQUIRED FOR ASBESTOS ABATEMENT WORK.
6. CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ARCHITECT AND OWNER.
7. CONTRACTOR SHALL SUBMIT COPIES OF ALL MANIFESTS AND LANDFILL RECEIPTS TO ARCHITECT AND OWNER.
8. CONTRACTOR IS TO VERIFY ALL QUANTITIES IN FIELD.
9. THE COSTS ASSOCIATED WITH THE REMOVAL, CLEANING, REPAIR AND DISPOSAL OF ASBESTOS ARE TO BE INCLUDED IN THE CONTRACTOR'S BASE BID.

NOTE: SEE FOLLOWING DRAWINGS FOR ADDITIONAL DEMOLITION NOTES AND REQUIREMENTS.

- CD100 - DEMOLITION, EROSION AND SEDIMENT CONTROL PLAN
- MD111 - FIRST FLOOR HVAC DEMO PLAN
- MD112 - SECOND FLOOR HVAC DEMO PLAN
- MD113 - ROOF HVAC DEMO PLAN
- PD110 - PLUMBING FIRST FLOOR DEMO PLAN
- PD111 - PLUMBING SECOND FLOOR DEMO PLAN
- ED111 - ELECTRICAL DEMOLITION PLAN FIRST FLOOR
- ED112 - ELECTRICAL DEMOLITION PLAN SECOND FLOOR
- ED113 - ELECTRICAL DEMOLITION PLAN ROOF
- ALL OTHER SHEETS INDICATED 'DEMOLITION"

DEMOLITION KEYNOTES

D2	CONTRACTOR SHALL REMOVE EXISTING WALL SYSTEM (SAW CUT AS NEEDED), COMPLETE. CONTRACTOR IS RESPONSIBLE TO VIF EXISTING WALL TYPE AND IF ANY ADDITIONAL FRAMING OR SUPPORT IS NEEDED DURING DEMOLITION OR RECONSTRUCTION. WHERE REQUIRED, PATCH EXISTING FLOOR, WALL AND CEILING IN AREAS WHERE WALLS ARE REMOVED WITH MATERIALS AND FINISHES TO MATCH EXISTING ADJACENT CONSTRUCTION.
D5	CONTRACTOR SHALL REMOVE EXISTING CERAMIC FLOOR TILE SYSTEM, COMPLETE. PREPARE FOR NEW FINISHES.
D9	CONTRACTOR SHALL REMOVE EXISTING WINDOW SYSTEM AND ALL ASSOCIATED CONSTRUCTION COMPLETE. INCLUDING SHADES OR CURTAINS. PREPARE FOR NEW CONSTRUCTION. STRUCTURAL MULLIONS IF DISCOVERED SHALL NOT BE REMOVED UNTIL NEW WINDOW LAYOUT AND SHOP DRAWINGS ARE APPROVED. STRUCTURAL MULLIONS, IF REUSED SHALL RECIEVE NEW ALUMINUM COVERS TO MATCH NEW WINDOWS. CONSULT WITH ARCHITECT.
D10	CONTRACTOR SHALL REMOVE EXISTING DOOR COMPLETE, INCLUDING FRAME, HARDWARE, WALL ANCHORS, AND ALL DEVICES USED TO SECURE THE DOOR AND FRAME IN PLACE. PREPARE TO RECEIVE NEW CONSTRUCTION.
D12	CONTRACTOR SHALL REMOVE EXISTING DOOR AND HARDWARE, EXISTING FRAME TO REMAIN. PREPARE FOR NEW DOOR AND HARDWARE AS SHOWN ON PLANS. SEE DOOR SCHEDULE.
D14	CONTRACTOR SHALL REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM/DOORS AND BORROWED LIGHTS, COMPLETE IF ALTERNATE IS ACCEPTED.
D15	CONTRACTOR SHALL COMPLETELY REMOVE EXISTING PLUMBING FIXTURES IN THEIR ENTIRETY, REFER TO 'P' DRAWINGS FOR ADDITIONAL INFORMATION.
D16	CONTRACTOR SHALL COMPLETELY REMOVE EXISTING TOILET ACCESSORIES IN THEIR ENTIRETY. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO: SHOWERS, MIRRORS, SOAP DISPENSERS, WASTE RECEPTACLES, PAPER TOWEL DISPENSERS AND SANITARY NAPKIN DISPOSAL, UNO.
D17	CONTRACTOR SHALL COMPLETELY REMOVE EXISTING TOILET & SHOWER PARTITIONS IN THEIR ENTIRETY. REMOVALS SHALL INCLUDE BUT NOT BE LIMITED TO PARTITIONS, BRACING, BRACKETS AND ALL DEVICES USED TO SECURE PARTITIONS IN PLACE.
D18	CONTRACTOR SHALL REMOVE EXISTING LOCKERS/CUBBIES, COMPLETE. PATCH ANY HOLES IN EXISTING WALL
D23	CONTRACTOR SHALL REMOVE EXISTING WINDOW SYSTEM AND ALL ASSOCIATED CONSTRUCTION COMPLETE. INCLUDING SHADES OR CURTAINS. PREPARE FOR NEW CONSTRUCTION. REFER TO 'S' DRAWINGS FOR LINTEL. NEW DIAMOND PLATE HEAD AND JAMB.
D26	CONTRACTOR SHALL COMPLETELY REMOVE EXISTING SHELVING AND ASSOCIATED HARDWARE IN ITS ENTIRETY.
D30	CONTRACTOR SHALL COMPLETELY REMOVE EXISTING OVERHEAD CABINETS.
D34	REMOVE PORTION OF EXISTING WALL BELOW EXISTING WINDOW OPENING IN ITS ENTIRETY TO TOP OF EXISTING FLOOR SLAB. REMOVAL IS TO EQUAL THE WIDTH OF EXISTING WINDOW OPENING ABOVE
D35	OWNER TO SALVAGE APPLIANCES FOR REINSTALLATION.
D36	PROTECT/KEEP EXISTING APPARATUS BAY SLAB WITH TERRAZZO FINISH IN NEAR PERFECT CONDITION. NO VISIBLE CRACKS EXCEPT AT EDGE OF APRON.
D37	REMOVE EXISTING TERRAZZO BACK TO FIRST METAL SCREED LINE, REMOVE CONCRETE, REPLACE CONCRETE DOWELING INTO EXISTING APPARATUS BAY SLAB CONCRETE AND EXISTING EXTERIOR APRON. FINISH CONCRETE FLUSH WITH TOP OF TERRAZZO AND TOP OF APRON CONCRETE.
D39	OWNER TO SALVAGE WALL MOUNTED TV PRIOR TO CONSTRUCTION.
D43	CONTRACTOR SHALL REMOVE EXISTING DOOR AND HARDWARE. EXISTING FRAME TO REMAIN TO CREATE CASED OPENING. PROVIDE HINGE BLANKS, STRIKE BLANKS, AND BONDO ANY HOLES IN FRAME. SAND AND RE-PAINT FRAME.
D44	CONTRACTOR SHALL REMOVE EXISTING ROOF MEMBRANE AND FLASHINGS. COORDINATE REMOVALS WITH INSTALLATION OF NEW VAPOR BARRIER, INSULATION, AND WHITE EPDM ROOFING.
D45	REMOVE EXISTING S.A.C. CEILING, LIGHT FIXTURES, DIFFUSERS, ETC. IN THEIR ENTIRETY.
D46	PRESERVE AND PROTECT EXISTING HALF HEIGHT WALL WOOD CAP.
D47	EXISTING METAL PARAPET CAP TO BE REMOVED AND REPLACED WITH NEW.
D48	REMOVE EXISTING GYPSUM CEILING AND PREPARE FOR NEW S.A.C. CEILING
D49	REMOVE EXISTING TURNOUT GEAR SHELF AND COAT ROD IN ALL EXISTING LOCATIONS ON BOTH SIDES OF APPARATUS BAY.
D50	EXISTING WOOD FRAMED GLASS ENCLOSED BULLETIN BOARD TO REMAIN AND BE PROTECTED.
D51	EXISTING AED AND AED CABINET TO REMAIN AND BE PROTECTED.
D52	EXISTING RED FIRE ALARM BOX AND BELL ABOVE TO REMAIN AND BE PROTECTED.

DEMO ROOF LEGEND

EX. RTU	EXISTING ROOF TOP UNIT TO REMAIN
RTU	DEMO EXISTING ROOF TOP UNIT
EX. EH	EXISTING ROOF MOUNTED EXHAUST HOOD TO REMAIN
EH	DEMO EXISTING ROOF MOUNTED EXHAUST HOOD
EX. V	EXISTING PLUMBING VENT TO REMAIN
V	DEMO EXISTING PLUMBING VENT
EX. RD	EXISTING ROOF DRAIN TO REMAIN
RD	DEMO EXISTING ROOF DRAIN

FLOOR PLAN DEMO LEGEND

	EXISTING WALLS, MATERIALS, EQUIPMENT, FIXTURES AND PARTITIONS TO BE REMOVED
	EXISTING DOOR AND FRAME TO BE REMOVED
	EXISTING WINDOW TO BE REMOVED
	EXISTING FLOOR DRAIN TO BE REMOVED

EXISTING ROOM SCHEDULE

Number	Name
R101	APPARATUS BAY
R102	EXISTING WORKSHOP
R103	EXISTING TOILET/SHOWER
R103	EXISTING REST ROOM
R104	EXISTING RADIO ROOM
R105	EXISTING MECHANICAL
R106	EXISTING LOBBY
R107	EXISTING STORAGE
R201	EXISTING MEMBERS' DINING
R202	EXISTING MEETING ROOM
R203	EXISTING MEMBERS' ROOM
R204	EXISTING OFFICE
R205	EXISTING BATHROOM
R206	EXISTING HALLWAY
R207	EXISTING KITCHEN
R208	EXISTING STORAGE
R209	EXISTING STORAGE
R210	EXISTING STORAGE

GENERAL DEMOLITION NOTES:

1. PERFORM ALL DEMOLITION AS REQUIRED TO COMPLETE WORK. THE CONTRACTOR SHALL PERFORM ALL ENVIRONMENTAL ABATEMENT WORK PRIOR TO BEGINNING ANY DEMOLITION WORK.
2. THE CONTRACTOR SHALL OBEY ALL CODES, STATUES AND LAWS AS APPLICABLE TO DEMOLITION WORK IN AN OCCUPIED BUILDING AND FOR REMOVAL OF MATERIALS SAFELY FROM THE SITE, INCLUDING ALL OSHA REGULATIONS.
3. THE OWNER SHALL REMOVE EXISTING EQUIPMENT, CHAIRS, TABLES, DESKS, WINDOW SHADES, DRAPERY, DRAPERY RODS, TVS, MONITORS, PLAQUES, TROPHIES, POSTERS, CCTV, SECURITY SYSTEMS, AND ALL SIMILAR ITEMS WHICH WILL BE SALVAGED FROM THE DEMOLITION AREA PRIOR TO THE START OF CONSTRUCTION.
4. COORDINATE THE EXACT LOCATIONS OF ALL DUMPSTERS, AND MATERIALS STORED AT GRADE (IF ANY) WITH THE OWNER.
5. COORDINATE THE WORK OF THE DEMOLITION DRAWINGS WITH ALL CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
6. THE CONTRACTOR IS REQUIRED TO PROTECT ALL EXISTING TO REMAIN EQUIPMENT AND FINISHES INCLUDING BUT NOT LIMITED TO EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL.
7. DIMENSIONS ARE TO BE VERIFIED IN FIELD. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS FOR QUANTITY TAKEOFFS AND FABRICATION OF MATERIALS.
8. CONTRACTOR IS TO PROVIDE DRAWINGS SIGNED AND SEALED BY A NYS LICENSED ENGINEER FOR ALL SHORING WORK PRIOR TO DEMOLITION FOR THE ARCHITECT TO REVIEW. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL AREAS THAT WILL NEED SHORING.
9. ALL EXTERIOR EXISTING PAINTED MASONRY SURFACES TO BE CLEANED PRIOR TO PAINTING
10. ALL WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.
11. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE EXISTING BUILDING WHERE NEW WORK IS TO BE COMPLETED FROM DUST, WEATHER INCLEMENCY AND FREEZING. PROVIDE DUST FREE BARRIER PARTITIONS DURING DEMOLITION TO PREVENT DEBRIS FROM ENTERING NON-WORK AREAS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
12. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES AND FINISHES DURING DEMOLITION. THE CONTRACTOR SHALL PATCH AND REPAIR ALL ADJACENT SURFACES DAMAGED DURING DEMOLITION . CONTRACTOR SHALL MATCH ALL ADJACENT FINISHES.
13. OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, STRUCTURAL INTEGRITY AND APPEARANCE OF THOSE WHICH WERE REMOVED AND IN CONFORMANCE WITH CONTRACT DOCUMENTS AND AT NO ADDITIONAL COST TO THE OWNER.
14. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE PARKING LOT PAVING, CONCRETE SIDEWALKS, LANDSCAPING, GRASS AREAS AND EXTERIOR FINISHES. ANY DAMAGED AREAS SHALL BE RESTORED TO EXISTING CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
15. COORDINATE THE WORK OF THE DEMOLITION DRAWING WITH ALL CONSTRUCTION DRAWINGS AND DOCUMENTS.
16. THIS DRAWING IS A GENERAL LIST OF DEMOLITION ITEMS AND IS NOT EVERY ITEM REQUIRED FOR DEMOLITION. CONTRACTOR SHALL PROVIDE ALL DEMOLITION REQUIRED TO PERFORM ALL WORK INDICATED WITHIN THE PROJECT DRAWINGS AND SPECIFICATIONS AND TO PREPARE ALL AREAS FOR THE CONSTRUCTION WORK.
17. THE CONTRACTOR SHALL PROTECT AND MAKE WEATHER TIGHT ALL AREAS EXPOSED AS A PART OF THE ROOFING DEMOLITION AND SHALL REMOVE AN AREA NOT TO EXCEED THE AMOUNT OF ROOFING WHICH CAN BE INSTALLED PER DAY.
18. AT LOCATIONS OF EXTERIOR WALL REMOVALS, SALVAGE EXISTING BRICK FOR NEW IN-FILLS
19. IN EXISTING LOBBY PROTECT " IN MEMORY OF THOSE WHO HAVE SERVED" PLAQUE
20. PROVIDE PROTECTIVE TEMPORARY STAIR COVERINGS TO PROTECT EXISTING STAIRS, RAILINGS, AND WALLS DURING DEMO AND THROUGHOUT CONSTRUCTION. REPAIR ANY DAMAGE PRIOR TO SUBSTANTIAL COMPLETION.

GENERAL ROOF DEMOLITION NOTES:

1. CONTRACTOR SHALL FLUSH ALL EXISTING ROOF DRAINS SCHEDULED TO REMAIN THOROUGHLY USING HIGH PRESSURE WATER JETTING PRIOR TO BEGINNING DEMOLITION WORK.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

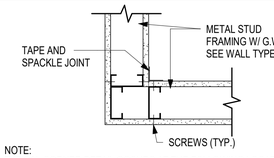
FIRST FLOOR, SECOND FLOOR AND ROOF DEMOLITION PLANS

DRAWING No.

D1.1

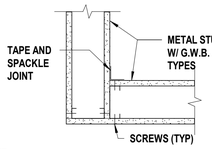
C:\Users\cwald\Documents\MKIV1803-Central_A19_cwald.rvt

12/15/2021 14:25:15



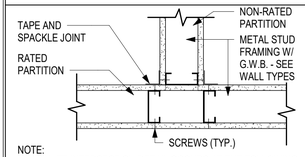
NOTE:
TYPICAL CORNER DETAIL OCCURS AT THE FOLLOWING LOCATIONS:
1. INTERSECTION AT NON-RATED PARTITIONS.
2. INTERSECTION AT RATED PARTITIONS.

TYPICAL STUD WALL CORNER DETAIL @ RATED PARTITIONS



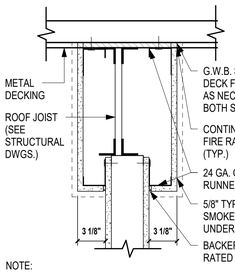
NOTE:
TYPICAL CORNER DETAIL OCCURS AT THE FOLLOWING LOCATIONS:
1. INTERSECTION AT A NON-RATED AND RATED PARTITION.

TYPICAL STUD WALL CORNER DETAIL @ NON-RATED PARTITIONS



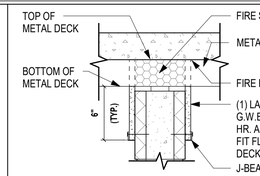
NOTE:
TYPICAL "T" INTERSECTION DETAIL OCCURS AT THE FOLLOWING LOCATIONS:
1. INTERSECTION AT A NON-RATED PARTITION AND A RATED PARTITION.

TYPICAL STUD WALL INTERSECTION @ NON-RATED PARTITION & RATED PARTITION

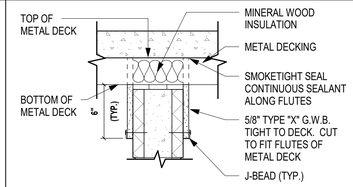


NOTE:
TYPICAL TOP OF WALL STUD FRAMING AROUND ROOF JOIST (BEAM SIM.) PROVIDING SMOKETIGHT BARRIER OR FIRE RATING TO MATCH WALL RATING; SEE PLAN AND WALL TYPES

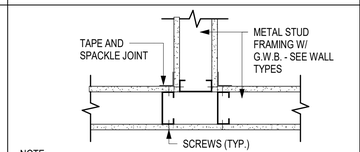
TYPICAL TOP OF FIRE RATED WALLS OR SMOKE PARTITION WALLS AT JOISTS OR BEAMS



TYPICAL TOP OF C.M.U. WALL TO UNDERSIDE OF COMPOSITE DECK @ RATED ASSEMBLY

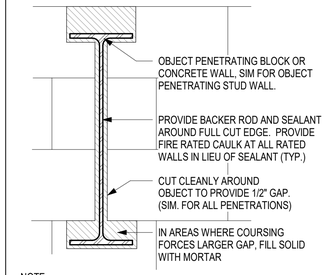


TYPICAL TOP OF C.M.U. WALL TO UNDERSIDE OF COMPOSITE DECK @ NON-RATED ASSEMBLY



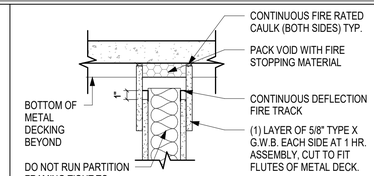
NOTE:
TYPICAL "T" INTERSECTION DETAIL OCCURS AT THE FOLLOWING LOCATIONS:
1. INTERSECTION AT NON-RATED PARTITIONS.
2. INTERSECTION AT RATED PARTITIONS.

TYPICAL STUD WALL INTERSECTION @ RATED PARTITIONS

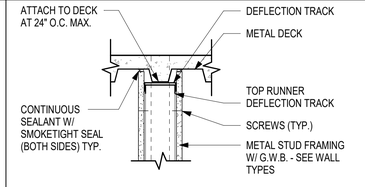


NOTE:
THESE DETAILS APPLY TO ALL PENETRATING ITEMS INCLUDING BEAMS, JOISTS, ANGLES, DUCTS, PIPES, CONDUIT, ETC. BEAMS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

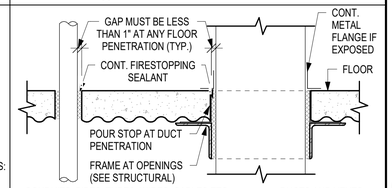
TYPICAL HORIZONTAL PENETRATIONS AT WALLS



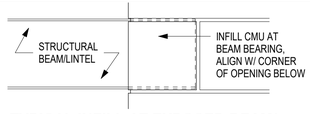
TYPICAL TOP OF WALL STUD FRAMING TO UNDERSIDE OF FLOOR OR ROOF DECKING @ RATED PARTITIONS



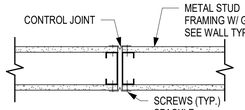
TYPICAL TOP OF WALL STUD FRAMING TO UNDERSIDE OF FLOOR OR ROOF DECKING @ NON-RATED PARTITIONS



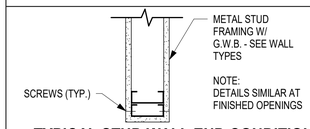
TYPICAL FLOOR PENETRATIONS FOR MECHANICAL,ELECTRICAL, PLUMBING AND SPRINKLER



TYPICAL INFILL AT EXPOSED BEAM/ LINTEL BEARING



TYPICAL CONTROL JOINT @ STUD WALL



TYPICAL STUD WALL END CONDITION

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
DRAWING NUMBER / 1 / A1.1 / SHEET NUMBER; SIM	EXTERIOR ELEVATION INDICATOR	Name / Elevation	ELEVATION INDICATOR
DRAWING NUMBER / A / A1.1 / A / SHEET NUMBER	INTERIOR ELEVATION INDICATOR	XX	REVISION MARK
		1	WALL TYPE INDICATOR
DRAWING NUMBER / 1 / A1.1 / SHEET NUMBER; SIM	BUILDING SECTION INDICATOR	ROOM NAME / 101	ROOM TAG SYMBOL
		101	DOOR MARK
DRAWING NUMBER / 1 / A1.1 / SHEET NUMBER; SIM	SECTION DETAIL INDICATOR	#	KEYNOTE MARK
		W3	WINDOW MARK
DRAWING NUMBER / Ref / 1 / A101 / SHEET NUMBER	DETAIL INDICATOR	AC-#	ACCESSORY TAG FOR TOILET ROOMS AND OTHER ROOMS

HATCH LEGEND

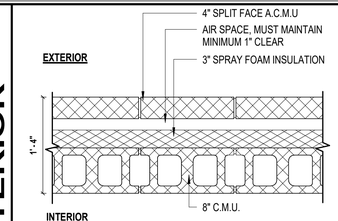
PLAN/SECTION

- BATT INSULATION
- (DIMENSIONAL LUMBER) ROUGH WOOD BLOCKING
- SHIM
- PLYWOOD
- RIGID INSULATION
- GYP. BOARD, GYP. SHEATHING, OR CEMENT BOARD
- FINISH WOOD
- PLASTIC TRIM PRODUCT
- SPRAY FOAM INSULATION
- CONCRETE
- BACK FILL
- UNDISTURBED SOIL/EARTH
- CONCRETE MASONRY UNIT
- GRANULAR FILL/SUB BASE
- STEEL
- GROUT

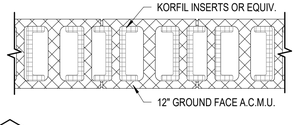
ELEVATION LEGEND FOR OBSCURE GLASS

- GLASS

EXTERIOR



1 — WALL TYPE 1
SEE STRUCTURAL DRAWINGS FOR REINFORCING

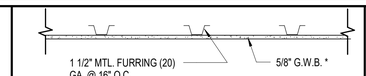


35A — WALL TYPE 35A (1 HR)
SEE STRUCTURAL DRAWINGS FOR REINFORCING

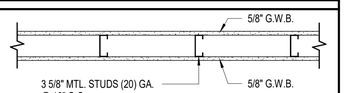
1 — WALL TYPE 1 - 1 HOUR RATED (1 HR)

EXR — EXISTING TO REMAIN

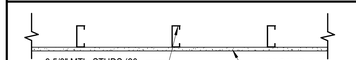
INTERIOR



50D — WALL TYPE 50D

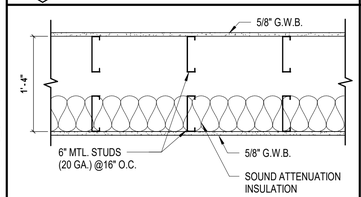


51 — WALL TYPE 51
NOTE: SEE KEYNOTES FOR LOCATIONS OF SOUND ATTENUATION INSULATION

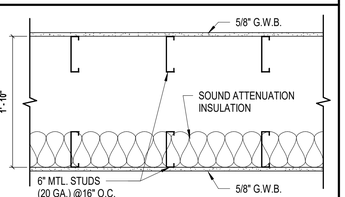


51B — WALL TYPE 51B

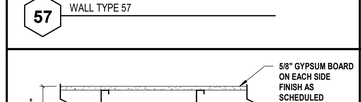
51 (1 HR) — SAME AS WALL TYPE 51 EXCEPT 1 HOUR RATED WALL, RUN SMOKETIGHT TO UNDERSIDE OF DECK
UL DESIGN # U465



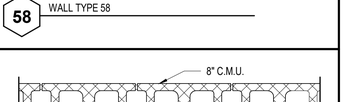
57 — WALL TYPE 57



58 — WALL TYPE 58



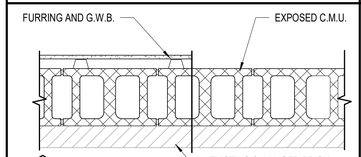
52 — WALL TYPE 52



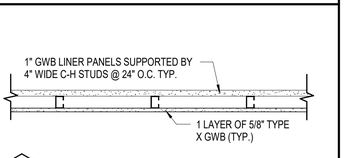
62 — WALL TYPE 62
SEE STRUCTURAL DRAWINGS FOR REINFORCING

52B — WALL TYPE 52B - SAME AS WALL TIME 52 EXPECT FOR GWB ON ONE SIDE ONLY

62 (1 HR) — SAME AS WALL TYPE 62 EXCEPT 1 HOUR RATED BLOCK, RUN SMOKETIGHT TO BOTTOM OF DECK
UL DESIGN # U905



63 — WALL TYPE 63
NOTE: EXISTING WALL INFILLS - VERIFY IN FIELD EXISTING WALL THICKNESS - ADJUST C.M.U. THICKNESS IF NECESSARY TAKING INTO ACCOUNT FINISHES ON EACH SIDE OF IN-FILL. FINISH INFILLS TO ALIGN WITH EXISTING WALLS ON BOTH SIDES. FINISH ON EACH SIDE OF INFILL SHALL MATCH EXISTING WALLS ON EACH SIDE. PROVIDE 1-HR RATING WHERE INDICATED PROVIDING FIRE STOPPING AT ALL JOINTS



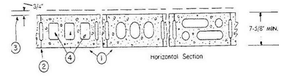
71 (1 HR) — WALL TYPE 71

Design No. U905

March 11, 2016

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR



1. **Concrete Blocks* —** Various designs. Classification D-2 (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar —** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster —** Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

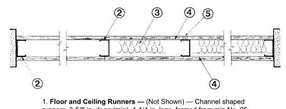
4. **Loose Masonry Fill —** If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. **Foamed Plastic* —** (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

Design No. U465

November 22, 2017

Nonbearing Wall Rating — 1 HR.



1. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

2. **Steel Studs —** Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

3. **Batts and Blankets* —** (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.

See **Batts and Blankets** (BZJZ) category for names of Classified companies.

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC, along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to Items 6 (resilient channels) or 6A, 6B or 6C (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.
ACADIA DRYWALL SUPPLIES LTD — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Types 1, EGRG, GlasRoc, Type X, Type X-1, Type C, 5/8" Easi-Lite Type X, Easi-Lite Type X-2

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSL

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

4A. **Gypsum Board* —** (As alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.

4C. **Gypsum Board* —** As an alternate to Items 4, 4A, and 4B — Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing.
GEORGIA-PACIFIC GYPSUM L L C — Type DGG, GreenGlass Type X

5. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. **Resilient Channel —** (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

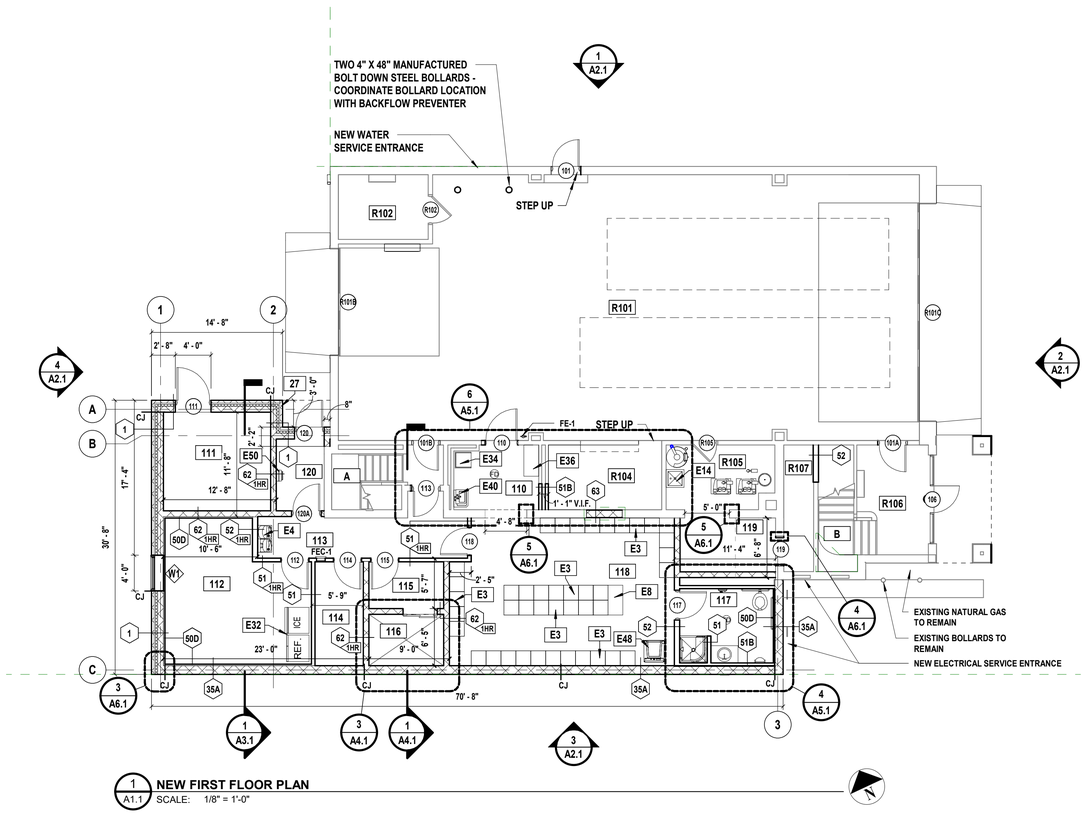
PARTITION TYPES AND UL LISTINGS

DRAWING No.

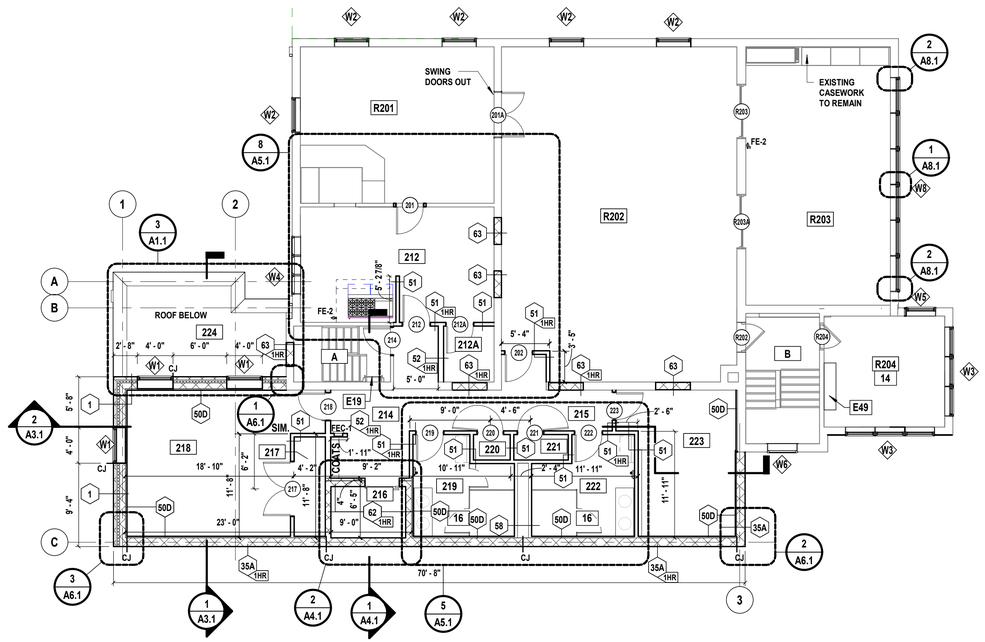
A0.1

C:\Users\cwald\Documents\MKIV1803-Central_A19_cwald.rvt

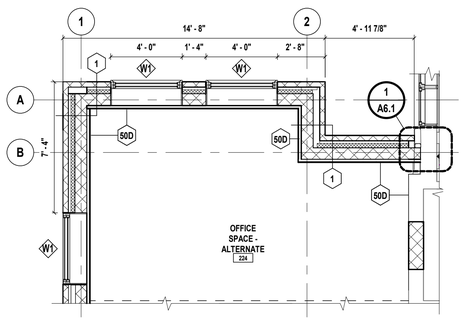
12/15/2021 14:24:55



1 A1.1 **NEW FIRST FLOOR PLAN**
SCALE: 1/8" = 1'-0"



2 A1.1 **NEW SECOND FLOOR PLAN**
SCALE: 1/8" = 1'-0"



3 A1.1 **ALTERNATE SECOND FLOOR OFFICE SPACE**
SCALE: 1/4" = 1'-0"

FLOOR PLAN LEGEND

- NEW EXTERIOR WALL
- NEW INTERIOR WALL
- EXISTING DOOR AND/OR FRAME TO REMAIN
- NEW DOOR AND FRAME
- EXISTING WINDOW TO REMAIN
- NEW WINDOW AND FRAME
- EXPANSION JOINT, ALL LOCATIONS WHERE EXISTING AND NEW BUILDING MEET, TYP.
- C.B. — CATCH BASIN
- F.D. — FLOOR DRAIN
- F.D. — FLOOR SINK
- F.S. — FE-# — FIRE EXTINGUISHER
- FEC-# — FIRE EXTINGUISHER CABINET

FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE NOMINAL.
2. DIMENSIONS ARE TO FACE OF MASONRY OR FACE OF FRAMING
3. FINISH FLOOR ELEVATION, 282.23' ON CIVIL DRAWINGS.
4. ALL PENETRATIONS THROUGH A RATED ASSEMBLY SHALL BE FIRE STOPPED. SEE FIRESTOPPING SPECIFICATION.
5. TYPICAL DIMENSION AT HINGE SIDE OF INTERIOR DOOR IN FRAMED WALLS, U.O.N. (2 3/4" (TYP.))
6. SEE ELEVATIONS FOR EXPANSION JOINTS (EJ) IN BRICK & CONTROL JOINT (C.J) IN CMU.
7. SEE STRUCTURAL PLANS FOR SLOPE TO DRAIN.
8. ROUND EDGES OF ALL EXPOSED INTERIOR CORNERS OF C.M.U. WALLS & AT FRAMELESS OPENINGS.
9. LAYOUT OF TOILET FIXTURES AND CLEARANCES ARE SHOWN AS CLEAR DIMENSIONS. CONTRACTORS SHALL BE REQUIRED TO COORDINATE LAYOUTS OF PARTITIONS, UTILITY CONNECTIONS, AND THICKNESS OF FINISHES TO ALLOW THESE CLEAR DIMENSIONS.
10. WALLS ON COLUMN LINES ARE CENTERED. U.O.N.
11. IT IS INTENDED THAT THE FACE OF EVERY CONTINUOUS PARTITION SHALL BE FLUSH WITHOUT OFFSETS. CHANGES IN PARTITION THICKNESS SHALL OCCUR ONLY AS INDICATED ON FLOOR PLANS.
12. ALL WOOD BLOCKING IN RATED PARTITIONS SHALL BE FIRE RETARDANT TREATED.
13. 'A' ON DOOR SWING INDICATES ACTIVE LEAF

PLAN KEYNOTES

14	REPLACE AND REPAINT G.W.B. WALLS AT BASEBOARD RADIATOR REMOVALS AND WINDOW REPLACEMENTS. INSTALL NEW 4" RUBBER WALL BASE, ALL WALLS.
16	SOUND BATT INSULATION TO BE ADDED TO ALL FRAMED WALLS
27	KNOX BOX - BOTTOM OF BOX 40" A.F.F.

EQUIPMENT KEYNOTES

E3	GEAR LOCKERS FURNISHED BY OWNER, AND INSTALLED BY GC.
E4	DRINKING FOUNTAIN, SEE "P" DWGS.
E8	ACCESSIBLE BENCH BY OWNER
E14	MOP SINK
E19	LADDER FROM SECOND FLOOR LANDING TO HATCH REMAINS - REPAINT. REMOVE ATTIC LADDER AND REPLACE WITH NEW LADDER WITH SAFETY POST TO NEW ROOF HATCH.
E32	REFRIGERATOR AND ICE MAKER BY OWNER
E34	BOOT WASH, NIC
E36	WALL MOUNTED ADA BENCH, PROVIDE BLOCKING AS REQUIRED.
E40	HAND SINK
E48	STACK WASHER/DRYER BY OWNER. PC TO PROVIDE CONNECTION
E49	(2) 20A DEDICATED CIRCUITS FOR OWNER'S IT RACK. COORDINATE LOCATION OF WALL MOUNTED DUCTLESS SPLIT WITH LOCATION OF RACK
E50	ELECTRIC WALL HEATER - SURFACE MOUNTED

Room Schedule

Number	Name
110	TRANSITION ZONE
111	FIREMATIC STORAGE
112	READY ROOM
113	CORRIDOR
114	STORAGE
115	ELEVATOR LOBBY
116	ELEVATOR
117	UNISEX BATHROOM
118	NEW GEAR LOCKERS
119	MECH/ELEC
120	ENTRANCE
212	KITCHEN
212A	PANTRY
214	LOBBY
215	CORRIDOR
216	ELEVATOR
217	STORAGE
218	OFFICE SUITE
219	WOMEN'S TOILET
220	JANITOR
221	TABLE STORAGE
222	MEN'S TOILET
223	CONFERENCE ROOM
224	OFFICE SPACE - ALTERNATE
A	EXISTING STAIR A
A	EXISTING STAIR A
B	EXISTING STAIR B
B	EXISTING STAIR B
R101	EXISTING APPARATUS BAY
R102	EXISTING WORKSHOP
R104	EXISTING RADIO ROOM
R105	EXISTING MECHANICAL
R106	EXISTING LOBBY
R107	EXISTING MECHANICAL
R108	STORAGE
R201	EXISTING MEMBERS' DINING
R202	EXISTING MEETING ROOM
R203	EXISTING MEMBERS' ROOM
R204	EXISTING OFFICE
R205	EXISTING BATHROOM
R210	EXISTING CLOSET

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

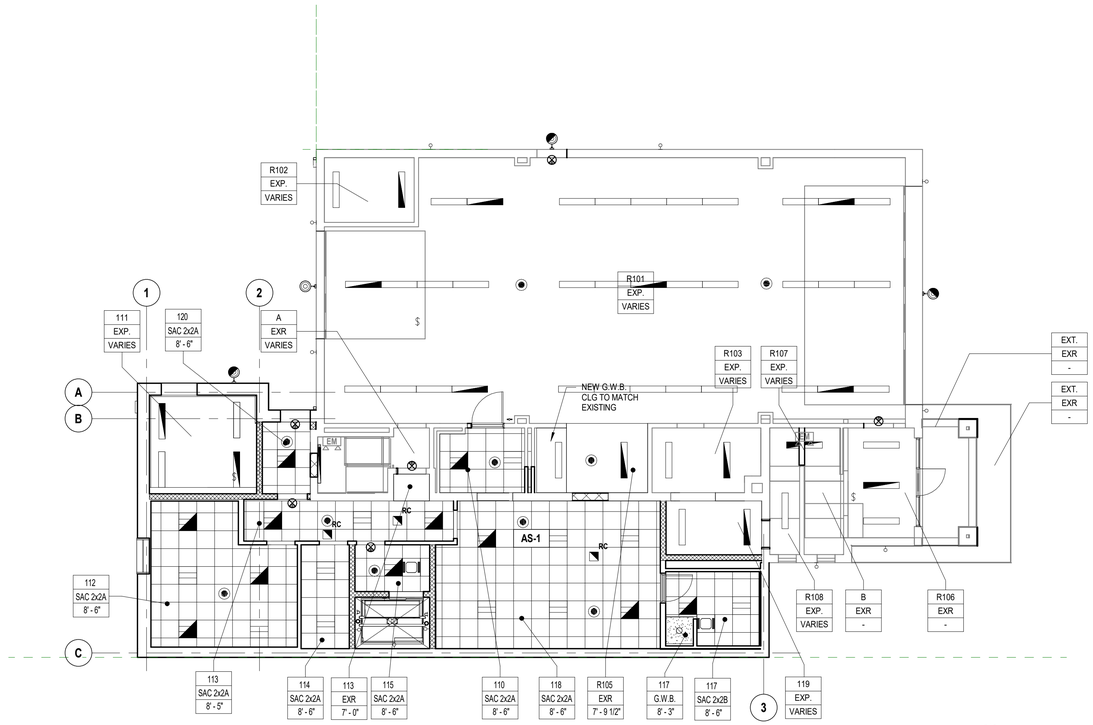
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

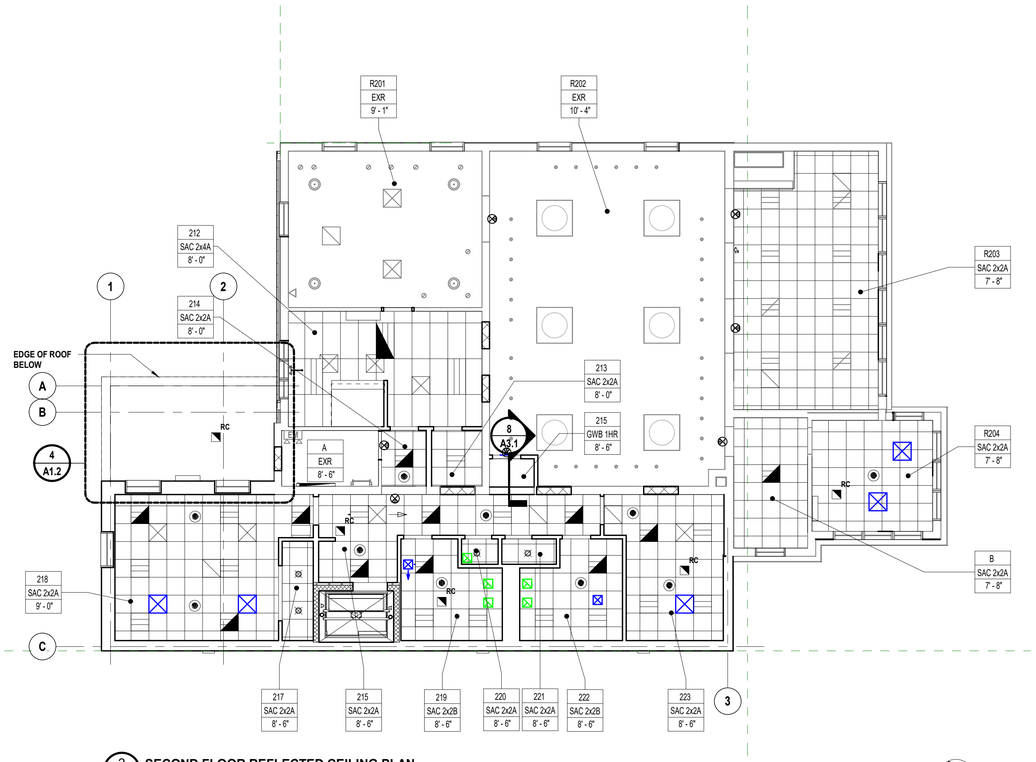
SHEET TITLE
FIRST AND SECOND FLOOR PLANS

DRAWING No.
A1.1

C:\Users\cos\wald\Documents\MKIV1803-Central_A1b_cosWald.rvt
12/15/2021 14:24:56



1 A1.2 **FIRST FLOOR REFLECTED CEILING PLAN**
SCALE: 1/8" = 1'-0"



2 A1.2 **SECOND FLOOR REFLECTED CEILING PLAN**
SCALE: 1/8" = 1'-0"

Room Schedule	
Number	Name
110	TRANSITION ZONE
111	FIREMATIC STORAGE
112	READY ROOM
113	CORRIDOR
114	STORAGE
115	ELEVATOR LOBBY
116	ELEVATOR
117	UNISEX BATHROOM
118	NEW GEAR LOCKERS
119	MECH/ELEC
120	ENTRANCE
212	KITCHEN
212A	PANTRY
214	LOBBY
215	CORRIDOR
216	ELEVATOR
217	STORAGE
218	OFFICE SUITE
219	WOMEN'S TOILET
220	JANITOR
221	TABLE STORAGE
222	MEN'S TOILET
223	CONFERENCE ROOM
224	OFFICE SPACE - ALTERNATE
A	EXISTING STAIR A
A	EXISTING STAIR A
B	EXISTING STAIR B
B	EXISTING STAIR B
R101	EXISTING APPARATUS BAY
R102	EXISTING WORKSHOP
R104	EXISTING RADIO ROOM
R105	EXISTING MECHANICAL
R106	EXISTING LOBBY
R107	EXISTING MECHANICAL
R108	STORAGE
R201	EXISTING MEMBERS' DINING
R202	EXISTING MEETING ROOM
R203	EXISTING MEMBERS' ROOM
R204	EXISTING OFFICE
R205	EXISTING BATHROOM
R210	EXISTING CLOSET

REFLECTED CEILING LEGEND (NOT ALL SYMBOLS MAY BE USED)

GENERAL:

- 1001 — ROOM NUMBER
- SAC — CEILING MATERIAL
- 8'-0" — CEILING HEIGHT

LIGHTING:

- W — WALL MOUNTED FIXTURE
- SURFACE MOUNTED FIXTURE
- PENDANT MOUNTED FIXTURE
- SURFACE MOUNTED EMERGENCY FIXTURE
- 2'x2' LAY-IN
- 2'x4' LAY-IN
- EXIT LIGHT
- RECESSED DOWN LIGHT

ME&P:

- CLG. DIFFUSER AIR GRILLE
- CLG. RETURN AIR GRILLE
- EXHAUST AIR GRILLE
- CLG. HVAC UNIT SEE MECH. DWGS
- S — SMOKE DETECTOR
- S D — SMOKE DETECTOR AT DUCTWORK
- H — HEAT DETECTOR
- Co — CARBON MONOXIDE DETECTOR
- FSA HORN SPEAKER

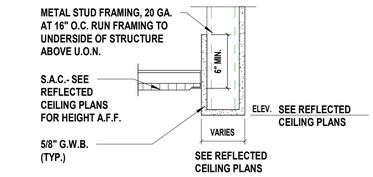
NOTE: SEE ELECTRICAL DRAWINGS FOR SPEAKER VOLUME CONTROL SWITCHES.

GENERAL REFLECTED CEILING NOTES:

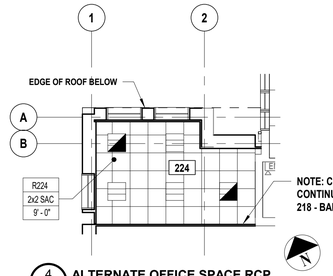
1. PAINT ALL EXPOSED STEEL FRAMING, DUCT WORK, PIPING AND CONDUIT.
2. REFER TO 'H' DRAWINGS FOR ADDITIONAL HVAC INFORMATION.
3. REFER TO 'E' DRAWINGS FOR ADDITIONAL LIGHTING, SENSOR, AND FIRE ALARM INFORMATION.
4. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
5. COORDINATE CEILING LAYOUT PRIOR TO INSTALLATION.
6. ALL CEILING MOUNTED DEVICES IN SAC CEILING SHALL BE CENTERED IN CEILING TILES.
7. ALL G.W.B. IS 5/8" TYPE X U.O.N.

S.A.C. LEGEND

2X2 A	DUNE ANGLED TEGULAR
2X2 B	CERAMA GUARD FINE FISSURED
2X4 A	CEREMA GUARD UNPERFORATED



3 A1.2 **TYP. SOFFIT DETAIL**
SCALE: 1 1/2" = 1'-0"



4 A1.2 **ALTERNATE OFFICE SPACE RCP**
SCALE: 1/8" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

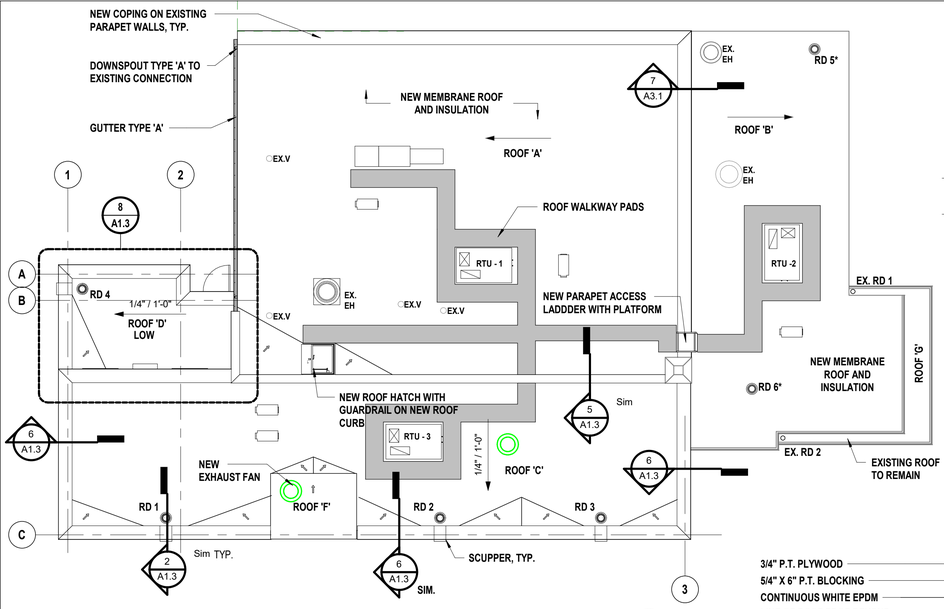
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

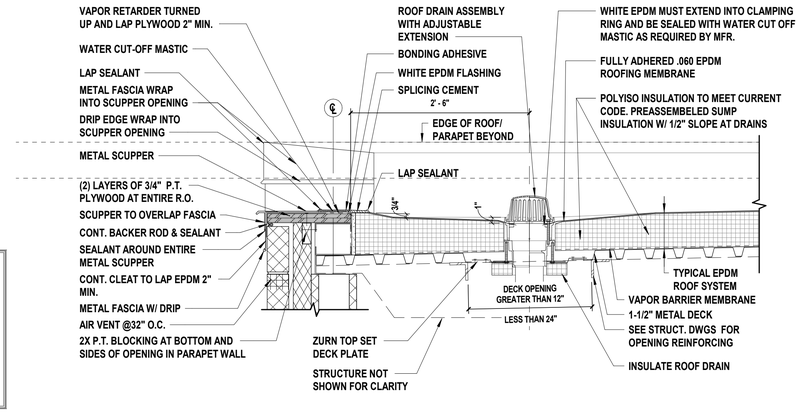
SHEET TITLE
REFLECTED CEILING PLANS

DRAWING No.
A1.2

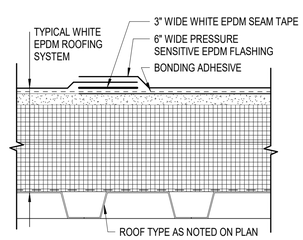
C:\Users\costwald\Documents\MKIV1803-Central_A19_costwald.rvt
12/15/2021 14:24:58



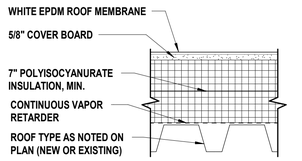
1 A1.3 **NEW ROOF PLAN**
SCALE: 1/8" = 1'-0"



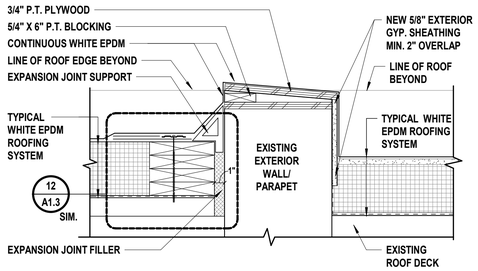
2 A1.3 **TYPICAL ROOF DRAIN AND OVERFLOW SCUPPER**
SCALE: 1" = 1'-0"



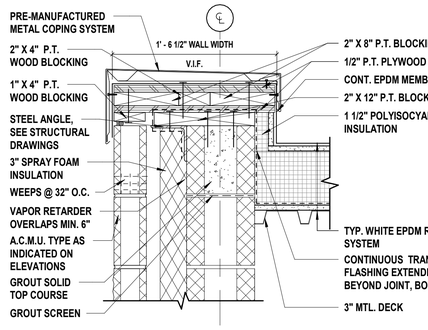
3 A1.3 **TYPICAL WHITE EPDM SPLICE DETAIL**
SCALE: 3" = 1'-0"



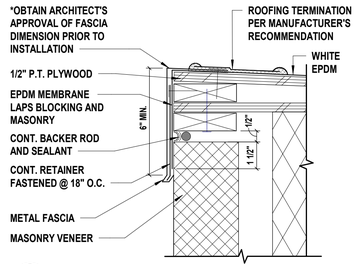
4 A1.3 **TYPICAL WHITE EPDM ROOF SYSTEM**
SCALE: 1 1/2" = 1'-0"



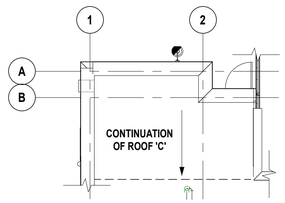
5 A1.3 **ROOF EDGE DETAIL AT EXISTING**
SCALE: 1 1/2" = 1'-0"



6 A1.3 **TYPICAL PARAPET DETAIL**
SCALE: 1 1/2" = 1'-0"

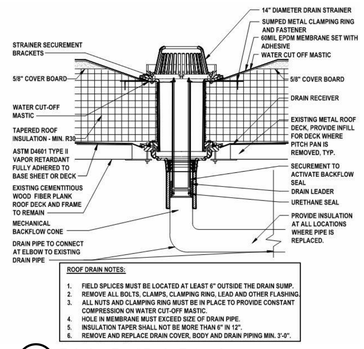


7 A1.3 **TYPICAL DRIP EDGE DETAIL**
SCALE: 3" = 1'-0"

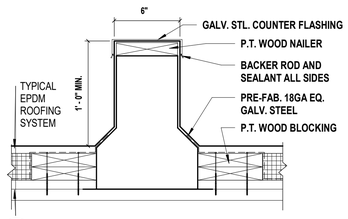


NOTE: IF ALTERNATE IS ACCEPTED ROOF 'D' IS ELIMINATED

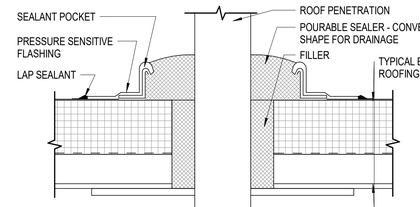
8 A1.3 **ALTERNATE ROOF DETAIL PLAN**
SCALE: 1/8" = 1'-0"



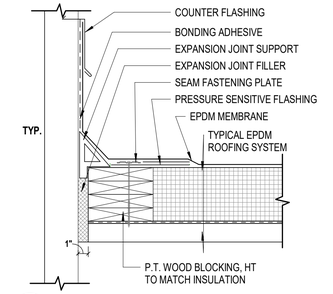
9 A1.3 **Existing Roof Drain Extension**
SCALE: 3" = 1'-0"



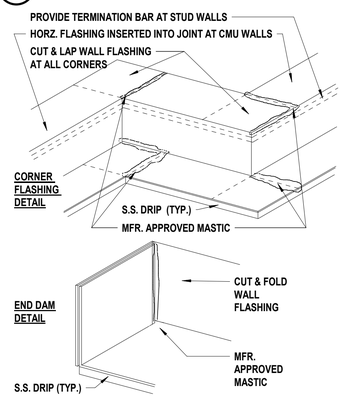
10 A1.3 **EQUIPMENT SUPPORT**
SCALE: 1 1/2" = 1'-0"



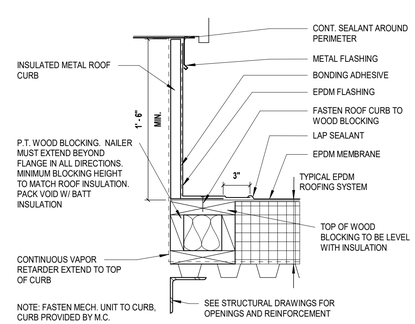
11 A1.3 **TYPICAL PITCH POCKET DETAIL**
SCALE: 1 1/2" = 1'-0"



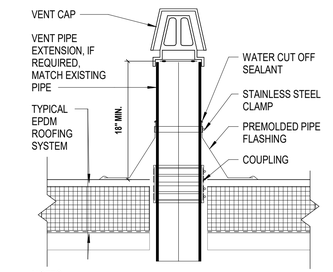
12 A1.3 **EXPANSION JOINT DETAIL**
SCALE: 1 1/2" = 1'-0"



13 A1.3 **TYP. THROUGH-WALL & TRANSITION FLASHING**
SCALE: N.T.S.



14 A1.3 **TYPICAL ROOF CURB**
SCALE: 1 1/2" = 1'-0"



NOTES:
1. REMOVE ALL EXISTING FLASHING.
2. ON EXISTING TO REMAIN VENT PIPES, REMOVE COUPLINGS AND EXTEND VENT PIPES TO MEET MIN. 18" HEIGHT REQUIREMENT.
3. INSTALL PREMOLDED PIPE FLASHING WHENEVER POSSIBLE. WHEN PREMOLDED PIPE FLASHING CANNOT BE INSTALLED USE FIELD WRAPPED FLASHING.

15 A1.3 **VENT PIPE DETAIL**
SCALE: 1 1/2" = 1'-0"

ROOFING NOTES:

1. THIS DRAWING SERVES AS A DEPICTION OF PRINCIPAL ROOFING ITEMS AND IS NOT A COMPLETE LIST OF EVERY ROOFING ITEM AND ACCESSORY. THIS DRAWING MUST BE COORDINATED WITH ALL OTHER DRAWINGS, ROOF DETAILS AND WITH ALL ITEMS SPECIFIED.
2. THE INTENDED SCOPE OF WORK IS NOTED ON THE PLANS FOR EACH AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS, LABOR, ROOFING ITEMS AND ACCESSORIES SPECIFICALLY INDICATED AND REASONABLE INFERRED WITHIN THE CONTRACT DOCUMENTS.
3. COORDINATE THE WORK REQUIRED ON THIS DRAWING WITH ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS, AND SPECIFICATIONS. COORDINATE EXACT LOCATIONS OF PENETRATIONS TO BE MADE IN ALL ROOFS AND ROOF ASSEMBLIES.
4. CONTRACTOR SHALL REVIEW, COORDINATE, AND INSTALL SLEEVES AND LOCATE ALL MECHANICAL, PLUMBING, AND ELECTRICAL PENETRATIONS REQUIRED TO ACCOMMODATE ALL WORK DETAILED OR SPECIFIED.
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FLASHING FOR ALL ROOF PENETRATIONS U.N.O.
6. PROVIDE CRICKETS BEHIND ALL ROOFING ITEMS TO PROVIDE PITCH AND PREVENT CAPTIVE PONDING.
7. CONTRACTOR SHALL FURNISH ALL CURBS, RAILS, AND FLASHING FOR EXHAUST FANS AND SPLIT SYSTEM UNITS

ROOFING SYMBOL LEGEND

1/4" PER FOOT	ROOF PITCH - 1/4" PER FOOT, MIN. NEW CONSTRUCTION, U.O.N. 1/8" PER FOOT, EXISTING CONSTRUCTION
RTU	ROOF TOP UNIT (TYP.). REFER TO MECHANICAL DRAWINGS
EH	ROOF MOUNTED EXHAUST HOOD (TYP.). REFER TO MECHANICAL DRAWINGS.
V	VENT
	WALKWAY PAD, TYP.
RD - #	ROOF DRAIN
RD - #*	REPLACEMENT ROOF DRAIN WITH EXTENSION
	CONDENSING UNIT PIPING
	GAS PIPING, SEE PLUMBING DRAWINGS
	ROOF HATCH

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
ROOF PLAN AND DETAILS

DRAWING No.
A1.3

C:\Users\cwald\Documents\MKIV1803-Central_A19_cwald.rvt
12/15/2021 14:24:59

GENERAL NOTES

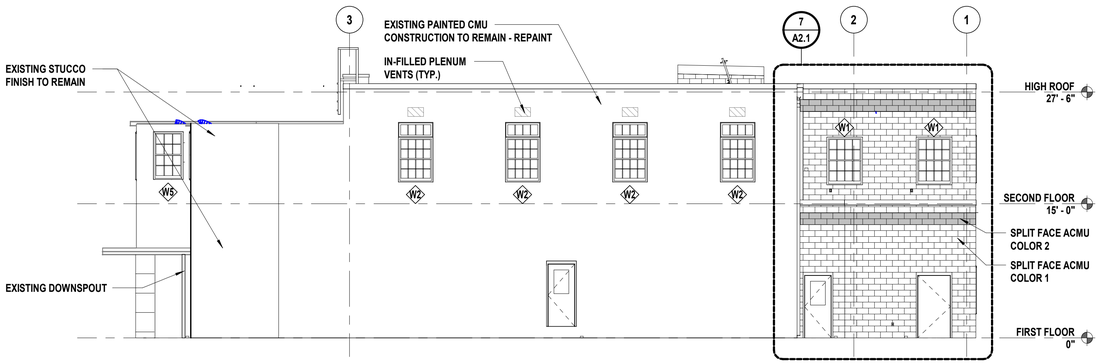
1. COORDINATE EXACT LOCATIONS OF ALL EXTERIOR WALL PENETRATIONS WITH THE APPROPRIATE CONTRACTOR. ITEMS SHOWN ON ELEVATIONS, SECTIONS, ETC. ARE FOR REFERENCE PURPOSES ONLY.
2. SEE STRUCTURAL DRAWINGS FOR BOND BEAM LOCATIONS.

GUTTER AND DOWNSPOUT LEGEND

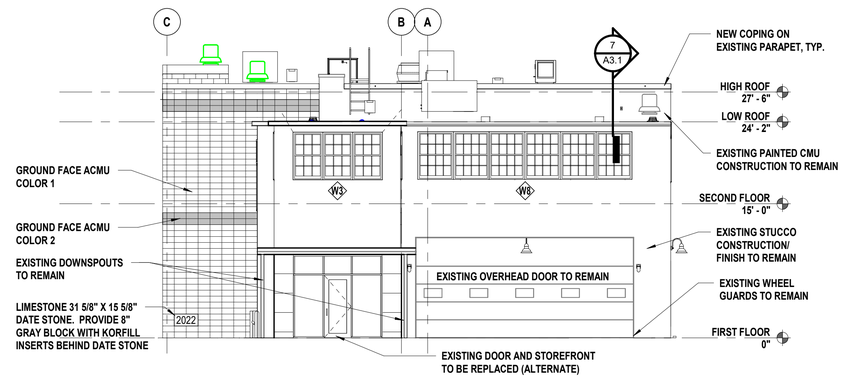
GUTTER	SIZE
TYPE A	8"W X 6"H
DOWNSPOUT	SIZE
TYPE A	5"W X 6"D

MATERIAL LEGEND

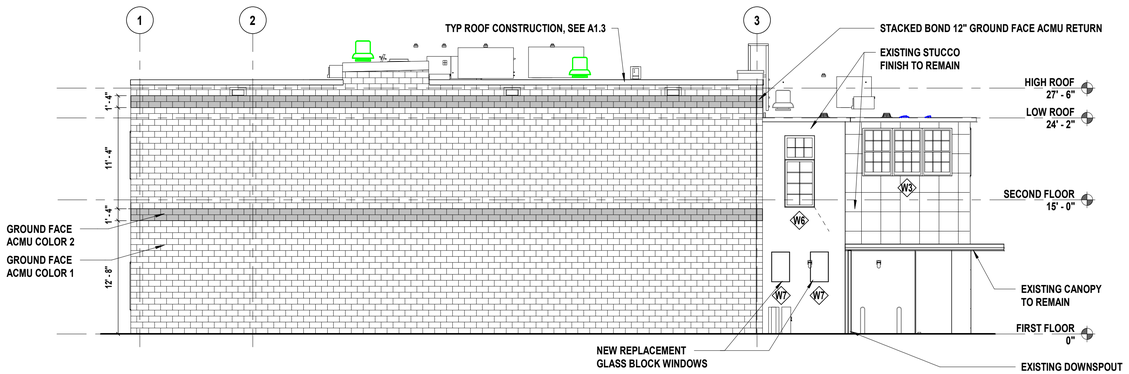
- EXISTING STUCCO
- EXISTING PAINTED CMU (TO BE REPAINTED)
- NEW ACMU (COLOR 1)
- NEW ACMU (COLOR 2)



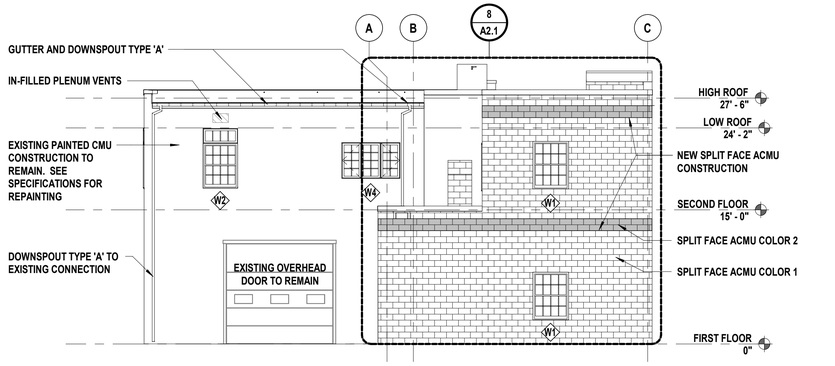
1 A2.1 **NORTH ELEVATION**
SCALE: 1/8" = 1'-0"



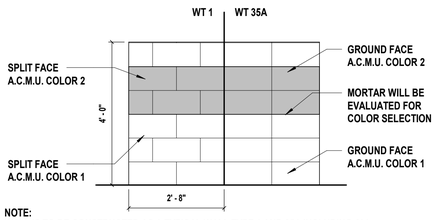
2 A2.1 **EAST ELEVATION**
SCALE: 1/8" = 1'-0"
NOTE: STACK BOND 12" ACMU THIS ELEVATION ONLY



3 A2.1 **SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"



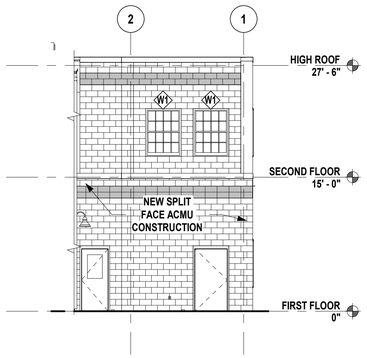
4 A2.1 **WEST ELEVATION - BASE BID**
SCALE: 1/8" = 1'-0"



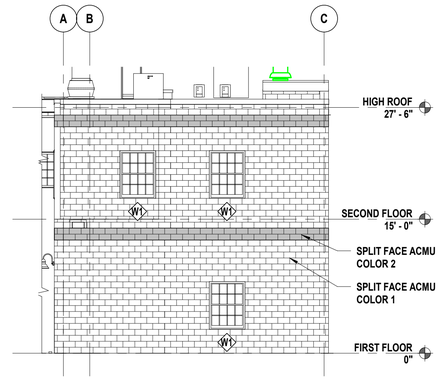
NOTE:
WALL IS TO BE CONSTRUCTED AS A TYPICAL WALL TYPE 1 AND 35A INCLUDING ALL COMPONENTS BUT NOT LIMITED TO: FLASHING, VAPOR/AIR MEMBRANES WEEPS, INSERTS, DRIPS, MORTAR NET, AND INSULATION. CLEAN HALF OF THE PANEL

LOCATE ON SITE AS DIRECTED BY THE ARCHITECT. LEAVE IN PLACE UNTIL OTHERWISE DIRECTED.

5 A2.1 **SAMPLE PANEL ELEVATION**
SCALE: 1/2" = 1'-0"



7 A2.1 **PARTIAL NORTH ELEVATION - ALTERNATE**
SCALE: 1/8" = 1'-0"



8 A2.1 **PARTIAL WEST ELEVATION - ALTERNATE**
SCALE: 1/8" = 1'-0"

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

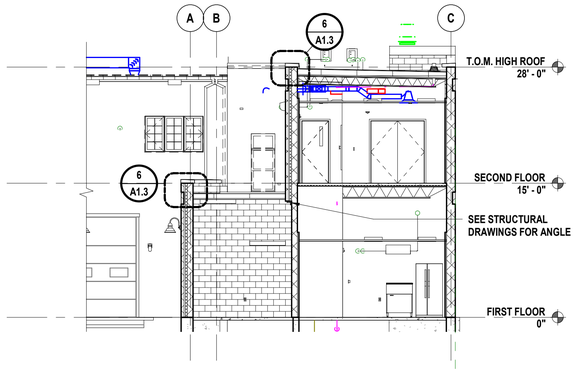
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

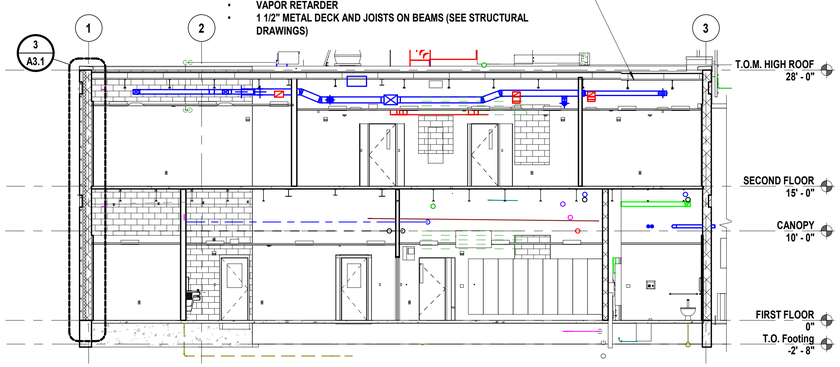
SHEET TITLE
BUILDING ELEVATIONS

DRAWING No.
A2.1

C:\Users\costwald\Documents\MKIV1803-Central_Ar19_costwald.rvt
12/15/2021 14:25:02



1 A3.1 **BUILDING SECTION-NORTH/SOUTH**
SCALE: 1/8" = 1'-0"



2 A3.1 **BUILDING SECTION-WEST/EAST**
SCALE: 1/8" = 1'-0"

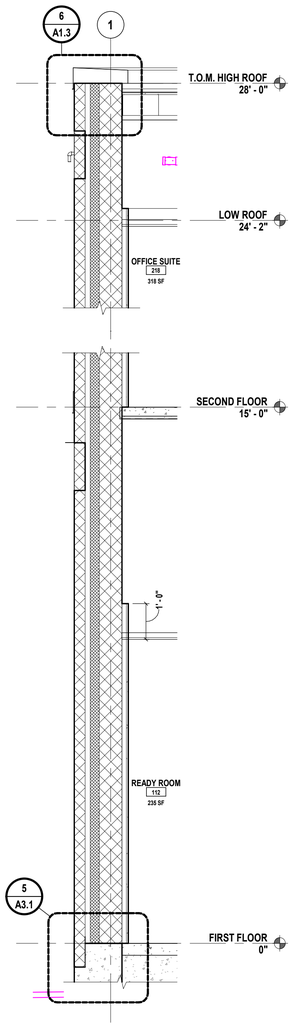
INSULATION TABLE*

TABLES C402.1.3 & C402.1.4 FOR CLIMATE ZONE 4

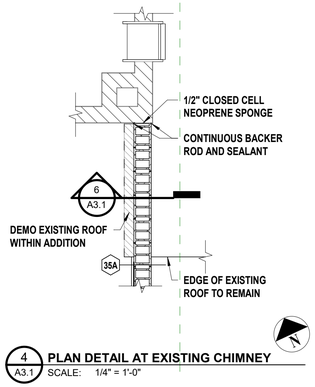
PER 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE BASED ON 2018 IECC

EXT. ENVELOPE COMPONENT	LOCATION/ DETAIL REF.	REQ'D MIN. R-VALUE PER C402.1.3	PROVIDED R-VALUE*	METHOD
UNHEATED SLAB EDGE	5/A3.1	R-10 FOR 24" BELOW TOP OF SLAB	MIN. R-10 TO 24" BELOW	3" SPRAY FOAM INSULATION IN CAVITY WALL TO 24" BELOW TOP OF SLAB
CMU WALLS	WT 1, WT35A (A0.1)	R-11.4 C.I.	R - 17.4 C.I.	3" SPRAY FOAM INSULATION WITH MIN. 1" AIR GAP BEHIND MASONRY VENEER PER SECTION 1404.6 (TMS402-13)
ROOF W/ INSULATION ABOVE DECK	1/A3.1	R-30 C.I.	R-39.9+ C.I.	MIN 7" POLYISOCYANURATE (CONTINUOUS) ON LOW-SLOPE ROOFS. + AT ELEVATOR SHAFT TAPERED INSULATION ADDS TO THICKNESS OF INSULATION + TO R-VALUE (NOT CALCULATED)

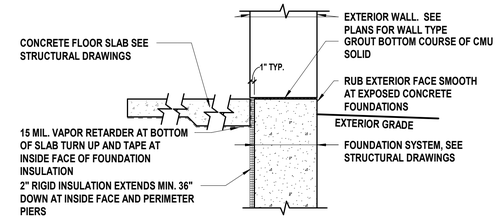
* VALUES ARE GIVEN FOR INSULATION ONLY, NOT FOR ASSEMBLY



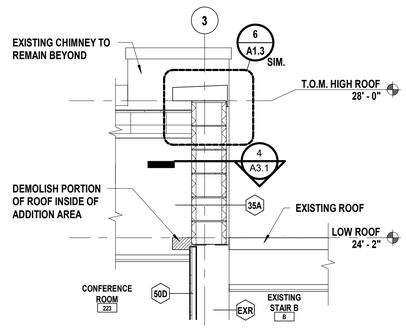
3 A3.1 **NEW WALL SECTION**
SCALE: 1/2" = 1'-0"



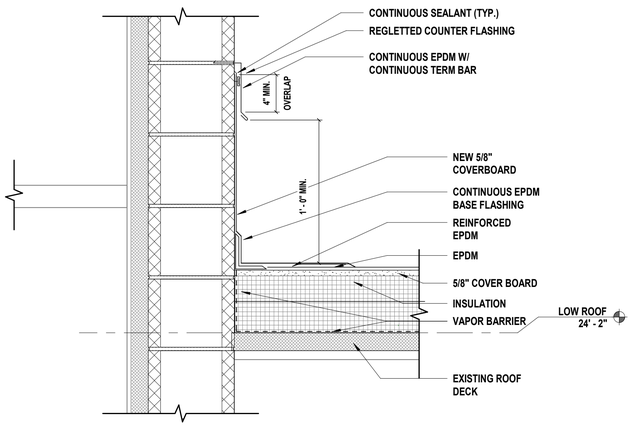
4 A3.1 **PLAN DETAIL AT EXISTING CHIMNEY**
SCALE: 1/4" = 1'-0"



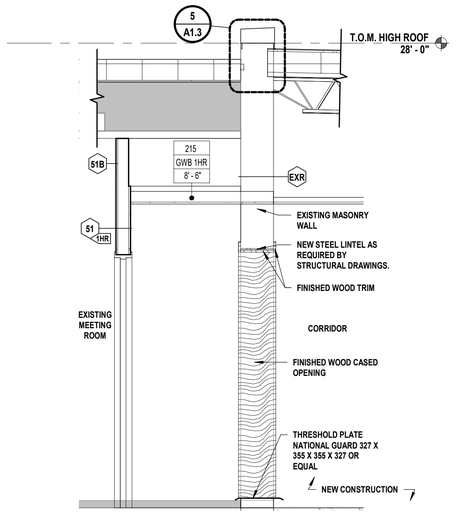
5 A3.1 **TYP. UNHEATED SLAB EDGE CONDITION**
SCALE: 3/4" = 1'-0"



6 A3.1 **ROOF SECTION DETAIL AT LOWER ROOF**
SCALE: 1/2" = 1'-0"



7 A3.1 **COUNTERFLASH AT LOW TO HIGH ROOF**
SCALE: 1 1/2" = 1'-0"



8 A3.1 **SECTION AT MEETING ROOM ENTRANCE**
SCALE: 1/2" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

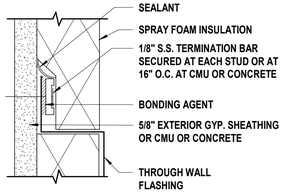
BUILDING SECTIONS

DRAWING No.

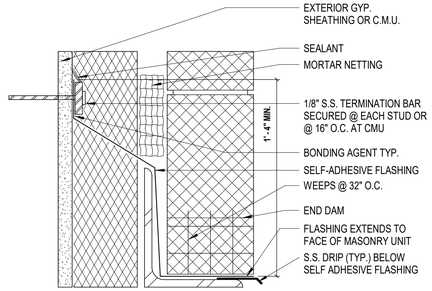
A3.1

C:\Users\costwald\Documents\MKIV1803-Central_A19_costwald.rvt

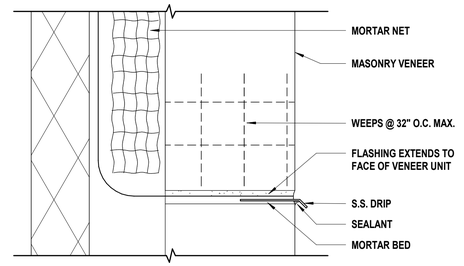
12/15/2021 14:25:03



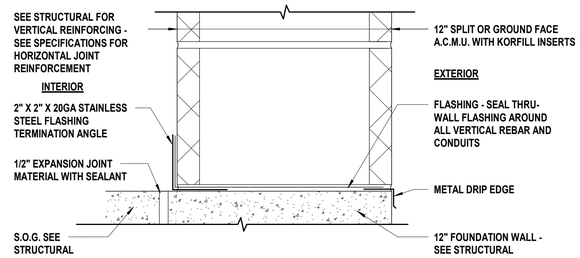
1 A3.2 **TYP. TERMINATION BAR DETAIL**
SCALE: 6" = 1'-0"



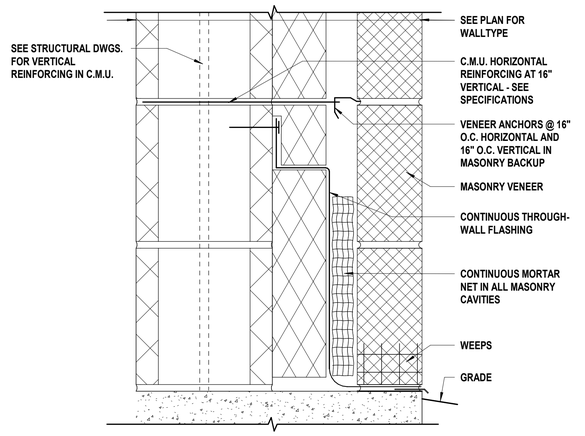
2 A3.2 **TYP. WALL FLASHING AT LINTEL ANGLE**
SCALE: 1" = 1'-0"



3 A3.2 **TYP. FLASHING TERMINATION DETAIL**
SCALE: 6" = 1'-0"



4 A3.2 **TYP. BASE OF WALL FLASHING @ A.C.M.U. SINGLE WYTHE WALL**
SCALE: 3" = 1'-0"



5 A3.2 **TYP. BASE OF WALL FLASHING @ MASONRY VENEER WALL**
SCALE: 3" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

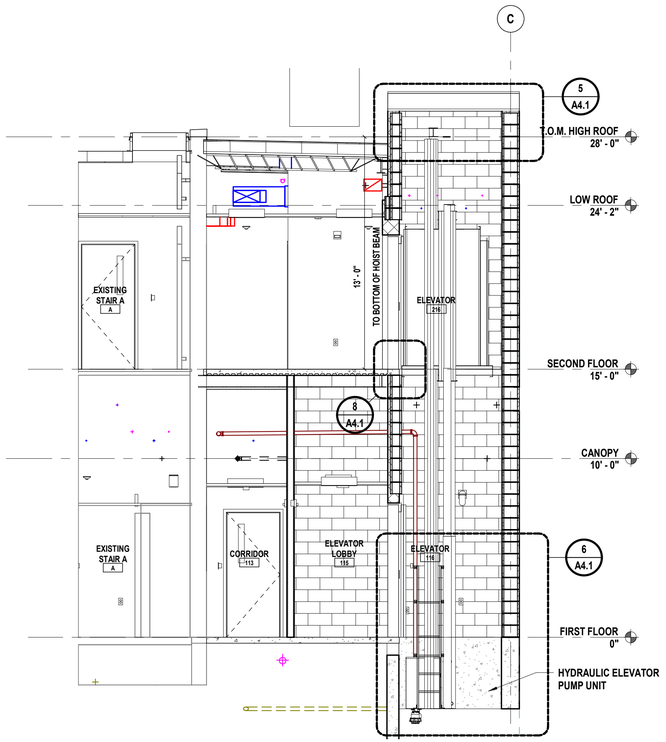
WALL DETAILS

DRAWING No.

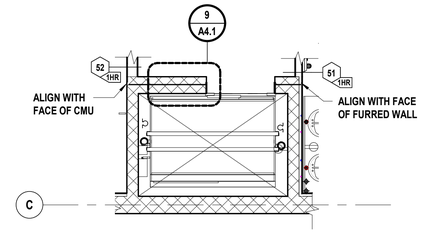
A3.2

C:\Users\costwald\Documents\MKIV1803-Central_A19_costwald.rvt

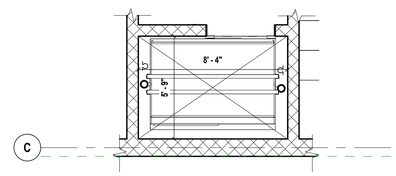
12/15/2021 14:25:04



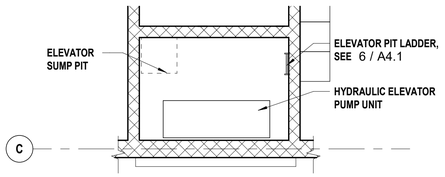
1 A4.1 **SECTION THROUGH ELEVATOR SHAFT**
SCALE: 1/4" = 1'-0"



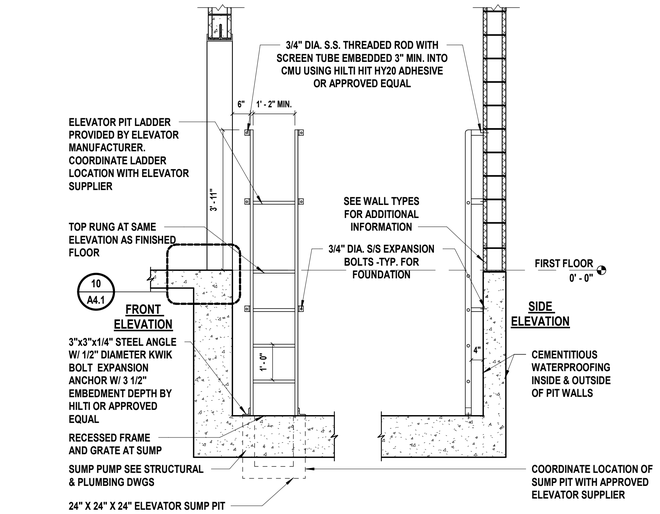
2 A4.1 **SECOND FLOOR ELEVATOR PLAN**
SCALE: 1/4" = 1'-0"



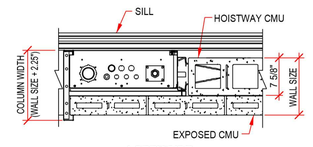
3 A4.1 **FIRST FLOOR ELEVATOR PLAN**
SCALE: 1/4" = 1'-0"



7 A4.1 **ELEVATOR PIT PLAN**
SCALE: 1/4" = 1'-0"



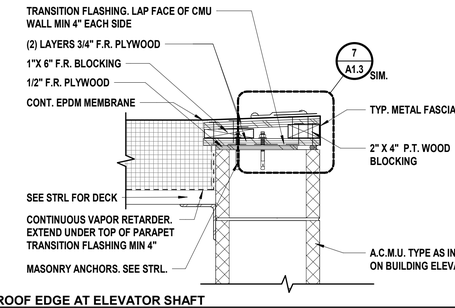
6 A4.1 **ELEVATOR PIT LADDER**
SCALE: 1/2" = 1'-0"



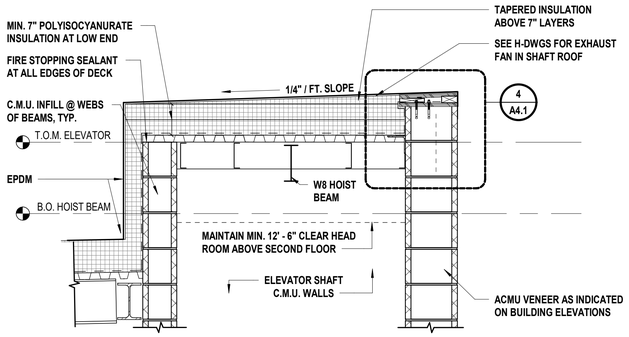
LOBBY SIDE

NOTES:
GENERAL CONTRACTOR RESPONSIBLE FOR HOISTWAY REINFORCING AT FLOOR SLAB BEFORE INSTALLATION OF ENTRANCE FRAMES. MINIMUM OF 4" HIGH X 8" WIDE REINFORCED CONCRETE, REINFORCED OF OPENING REQUIRED FOR ANCHORING SILL SUPPORT ASSEMBLY, REINFORCING TO BE LOCATED WITH RESPECT TO REACTION POINTS, REFERENCE INSTALLATION DRAWINGS ARE AVAILABLE UPON REQUEST.
REACTIONS (LBS.) DUE TO LOADS ON DOOR PANELS, APPROX.
HORIZONTAL LOADS AND LOCATION TO BUILDINGS SHOWN PER ASME A17.1 PART II,
THE SPECIFIED LOADS ARE CONSIDERED IMPACTED.
PROVIDE WALL TIES BETWEEN 8" C.M.U. AND 4" C.M.U. WALLS

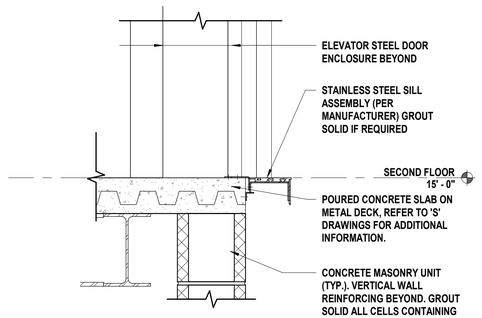
9 A4.1 **ELEVATOR JAMB DETAIL**
SCALE: 1" = 1'-0"



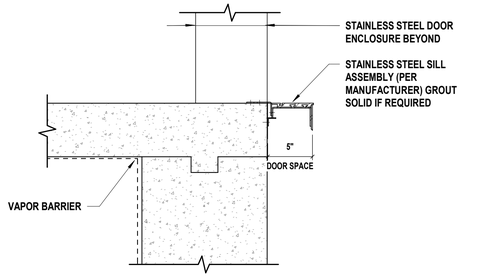
4 A4.1 **ROOF EDGE AT ELEVATOR SHAFT**
SCALE: 1 1/2" = 1'-0"



5 A4.1 **TOP OF ELEVATOR SHAFT DETAIL**
SCALE: 3/4" = 1'-0"



8 A4.1 **ELEVATOR 2ND FLOOR SILL DETAIL**
SCALE: 1 1/2" = 1'-0"



10 A4.1 **ELEVATOR 1ST FLOOR SILL DETAIL**
SCALE: 1 1/2" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ENLARGED ELEVATOR PLANS AND DETAILS

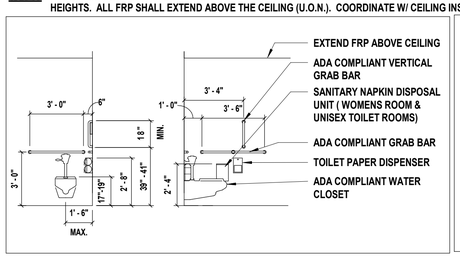
DRAWING No.

A4.1

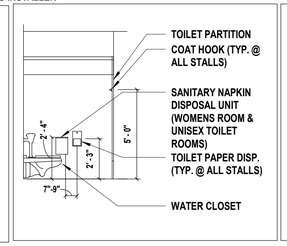
C:\Users\coatswald\Documents\MKIV1803-Central_A19_coatswald.rvt

12/15/2021 14:25:05

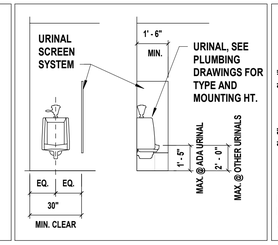
NOTES: ALL DIMENSIONS IN THIS DETAIL ARE MEASURED OFF FINISHED WALL SURFACES. U.N.O. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS. ALL FRP SHALL EXTEND ABOVE THE CEILING (U.O.N.). COORDINATE W/ CEILING INSTALLER



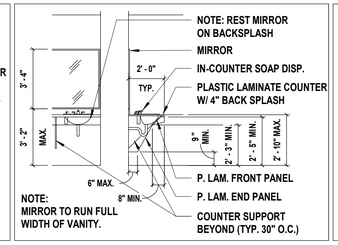
ACCESSIBLE TOILET



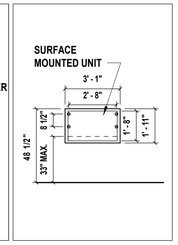
TYPICAL TOILET STALL



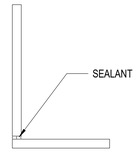
ACCESSIBLE URINAL



TYPICAL VANITY AREA



DIAPER CHANGING STATION

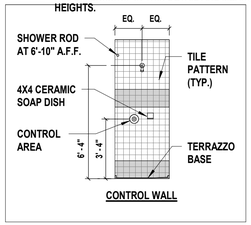


TYPICAL C.T. BASE

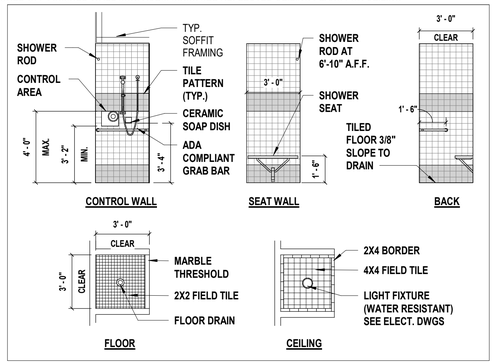
1 TYPICAL TOILET ROOM ELEVATIONS
A5.1 SCALE: 1/4" = 1'-0"

2 C.T. BASE DETAIL
A5.1 SCALE: 3" = 1'-0"

NOTES: ALL DIMENSIONS IN THIS DETAIL ARE MEASURED OFF FINISHED WALL SURFACES. U.N.O. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS.

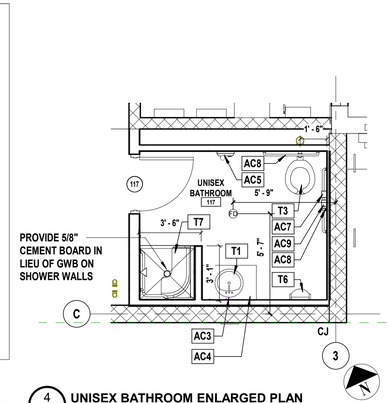


TYPICAL SHOWER STALL

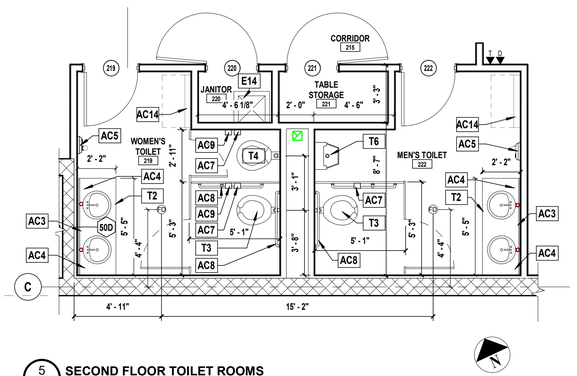


ACCESSIBLE SHOWER STALL

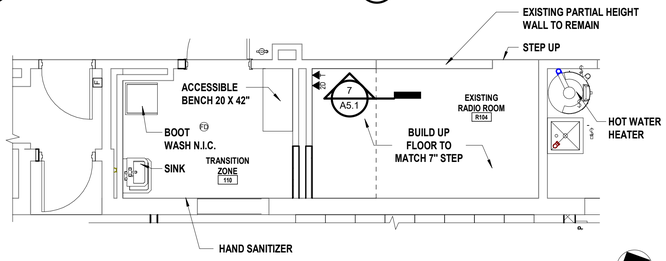
3 TYPICAL SHOWER ELEVATIONS
A5.1 SCALE: 1/4" = 1'-0"



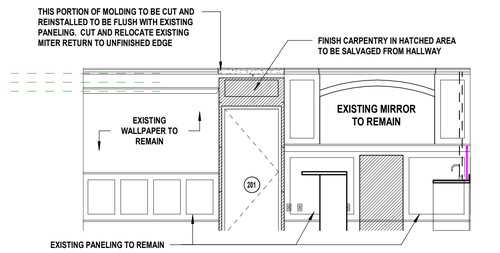
4 UNISEX BATHROOM ENLARGED PLAN
A5.1 SCALE: 1/4" = 1'-0"



5 SECOND FLOOR TOILET ROOMS
A5.1 SCALE: 1/4" = 1'-0"

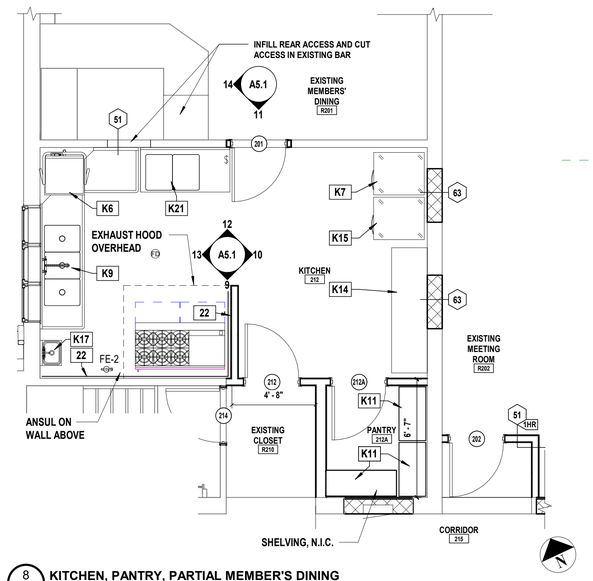


6 TRANSITION AREA, RADIO ROOM, PARTIAL MECH.
A5.1 SCALE: 1/4" = 1'-0"

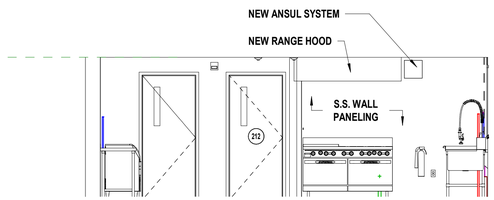


NOTE: CUT AND GRIND EDGES SMOOTH AS NEEDED

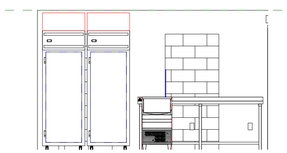
7 FLOOR INFILL DETAIL
A5.1 SCALE: 3/4" = 1'-0"



8 KITCHEN, PANTRY, PARTIAL MEMBER'S DINING
A5.1 SCALE: 1/4" = 1'-0"



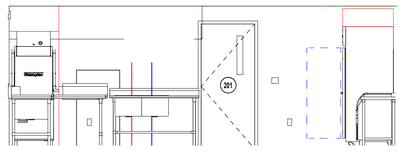
9 KITCHEN NORTH ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



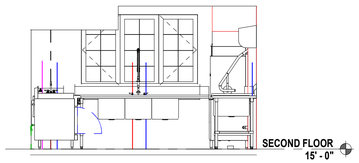
10 KITCHEN EAST ELEVATION
A5.1 SCALE: 1/4" = 1'-0"

NOTE: EXISTING FINISH CARPENTRY LOCATIONS ARE APPROXIMATE. VERIFY IN FIELD ANY EXISTING CONDITIONS FOR NEW WORK

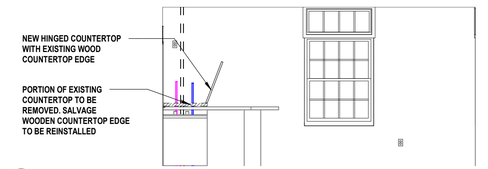
11 MEMBERS' DINING
A5.1 SCALE: 1/4" = 1'-0"



12 KITCHEN SOUTH ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



13 KITCHEN WEST ELEVATION
A5.1 SCALE: 1/4" = 1'-0"



14 MEMBERS' DINING COUNTER
A5.1 SCALE: 1/4" = 1'-0"

PLAN KEYNOTES	
22	STAINLESS STEEL WALL PANELING FROM TOP OF Q.T. BASE TO 4" ABOVE CEILING.

EQUIPMENT KEYNOTES	
E14	MOP SINK

BATHROOM ACCESSORIES	
AC3	MIRROR
AC4	SOAP DISPENSER
AC5	HAND DRYER, SEE "E" DRAWINGS
AC7	TOILET PAPER DISPENSER
AC8	GRAB BARS
AC9	SANITARY NAPKIN DISPOSAL
AC14	DIAPER CHANGING STATION

TOILET/SHOWER ROOM KEYNOTES	
T1	SINK, SEE P-DWGS.
T2	DOUBLE SINK IN COUNTERTOP
T3	ACCESSIBLE TOILET STALL
T4	TOILET STALL
T6	URINAL
T7	ACCESSIBLE SHOWER STALL

KITCHEN EQUIPMENT LEGEND	
K6	DISHWASHER
K7	FREEZER
K9	3 COMPARTMENT SINK
K11	SHELVING
K14	WORK TABLE
K15	REFRIGERATOR
K17	HAND SINK
K21	2 COMPARTMENT SINK

NOTE 1: KITCHEN EQUIPMENT AND SINKS PROVIDED BY OWNER. CONTRACTOR IS RESPONSIBLE FOR UTILITY CONNECTIONS.

NOTE 2: NEW KITCHEN RANGE HOOD, MAKEUP AIR, EXHAUST FAN, AND ANSUL SYSTEM IS THE RESPONSIBILITY OF THE G.C.

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

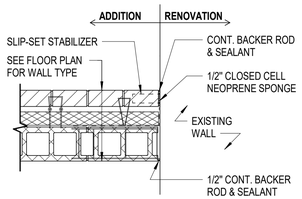
ENLARGED PLANS, INTERIOR ELEVATIONS

DRAWING No.

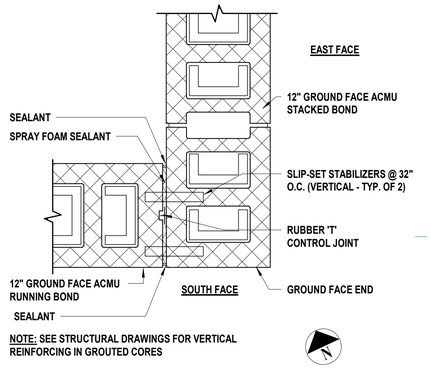
A5.1

C:\Users\cotwald\Documents\MKIV1803-Central_A19_cotwald.rvt

12/15/2021 14:25:11

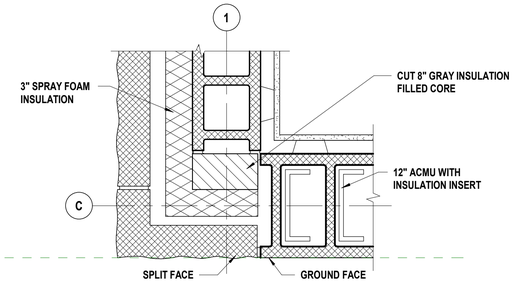


1 A6.1 **PLAN DETAIL @ INTERSECTION OF EXISTING/NEW WALL**
SCALE: 3/4" = 1'-0"



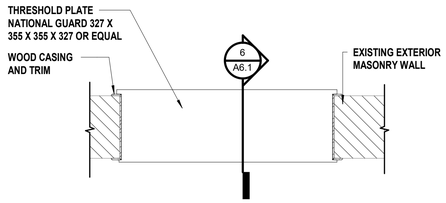
NOTE: SEE STRUCTURAL DRAWINGS FOR VERTICAL REINFORCING IN GROUTED CORES

2 A6.1 **12" A.C.M.U. OUTSIDE SOUTH EAST CORNER**
SCALE: 1 1/2" = 1'-0"

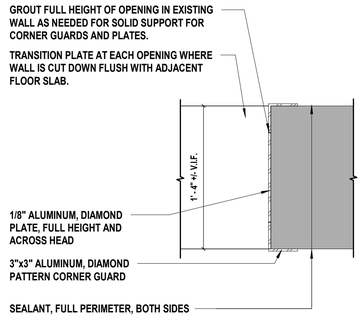


NOTES:
1. CONTINUE 12" SPLIT FACE A.C.M.U. HORIZONTAL JOINT REINFORCING TO 4" L-CORNER A.C.M.U. LOCATING LADDER CROSS TIE IN 4" VENEER.
2. POSITION 8" C.M.U. HORIZONTAL JOINT REINFORCING TO ALLOW VENEER ANCHOR TO BE LOCATED IN VENEER L-CORNER BLOCK.
3. SEE STRUCTURAL DRAWINGS FOR VERTICAL REINFORCING IN GROUTED CORES

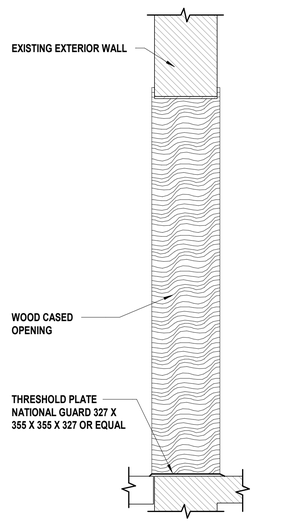
3 A6.1 **12" A.C.M.U. OUTSIDE CORNER DETAIL**
SCALE: 1 1/2" = 1'-0"



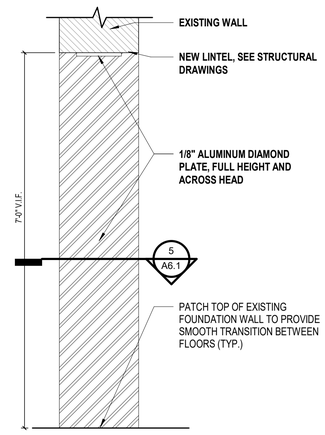
4 A6.1 **TYP. CASED OPENING AT EXISTING WALLS**
SCALE: 3/4" = 1'-0"



5 A6.1 **TYP. WALL OPENING PLAN**
SCALE: 1 1/2" = 1'-0"



6 A6.1 **SECTION THROUGH CASED OPENING**
SCALE: 3/4" = 1'-0"



7 A6.1 **TYP. WALL OPENING SECTION**
SCALE: 3/4" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

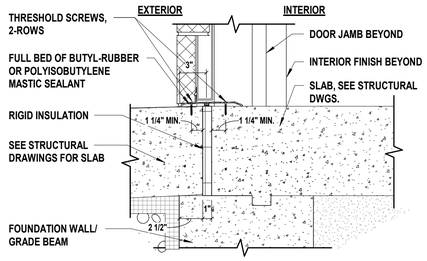
PLAN AND SECTION DETAILS

DRAWING No.

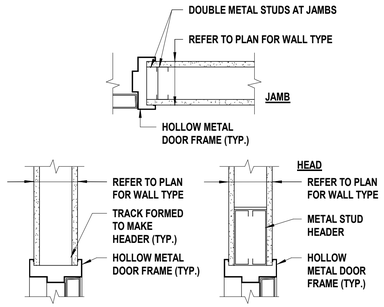
A6.1

C:\Users\cosdwald\Documents\MKIV1803-Central_A19_cosdwald.rvt

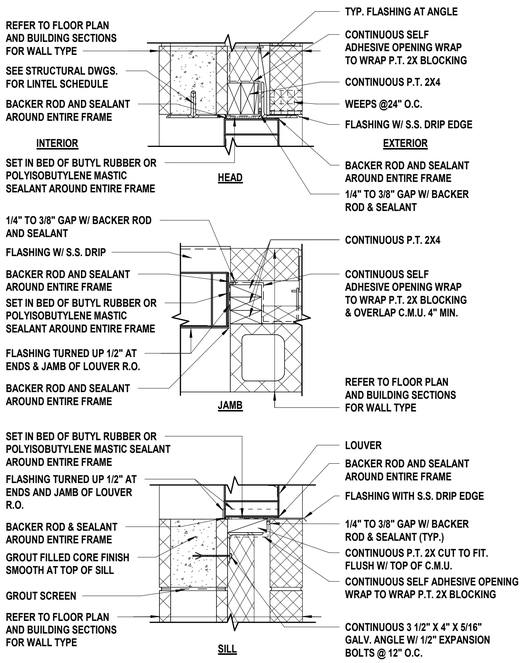
12/15/2021 14:25:11



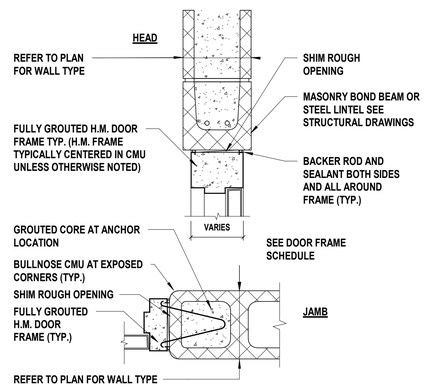
1 A7.1 **TYPICAL EXTERIOR MAN DOOR THRESHOLD**
SCALE: 1 1/2" = 1'-0"



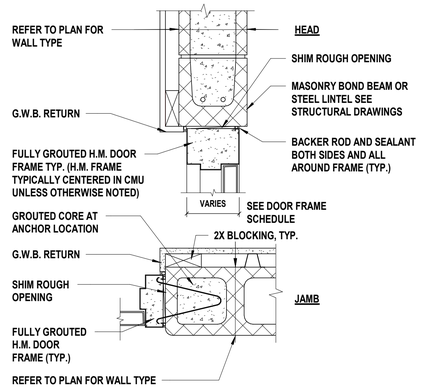
2 A7.1 **TYP. H.M. DOOR FRAME AT INTERIOR STUD WALL**
SCALE: 1 1/2" = 1'-0"



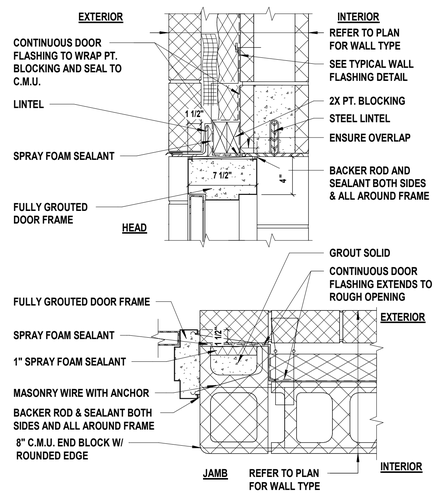
3 A7.1 **LOUVER @ EXTERIOR MASONRY WALL WITH MASONRY VENEER**
SCALE: 1 1/2" = 1'-0"



4 A7.1 **TYP. H.M. DOOR FRAME AT INTERIOR C.M.U. WALL**
SCALE: 1 1/2" = 1'-0"



5 A7.1 **TYP. H.M. DOOR FRAME AT INTERIOR C.M.U. WALL W/GWB ONE SIDE**
SCALE: 1 1/2" = 1'-0"



6 A7.1 **TYPICAL HOLLOW METAL DOOR FRAME AT EXTERIOR MASONRY WALL**
SCALE: 1 1/2" = 1'-0"

DOOR SCHEDULE

MARK	FROM	TO	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR TYPE	FIRE RATING	FRAME TYPE	HARDWARE	COMMENTS
101	R101	EXT.	3' - 0"	7' - 0"	INSUL. HM.	B	-	FA4	01	NEW DOOR AND THERMALLY BROKEN FRAME IN EXISTING MASONRY OPENING. VERIFY SIZE IN FIELD
101A	R101	R106	3' - 0"	7' - 0"	INSUL. HM.	B	-	FA4	02	NEW DOOR AND KERF FRAME IN EXISTING MASONRY OPENING. VERIFY SIZE IN FIELD
101B	R101	A	2' - 10"	7' - 0"	HM.	B	60 MIN.	EXIST.	03	NEW DOOR IN EXISTING FRAME - VERIFY SIZE IN FIELD
106	R106	EXT.	3' - 0"	7' - 0"	ALUM.	ASF	-	ASF	15	ALTERNATE
110	110	R101	3' - 6"	7' - 0"	HM.	A	-	FA4	02	NEW DOOR AND KERF FRAME - REPLACE EXISTING, VERIFY SIZE IN FIELD
111	111	EXT.	3' - 8"	7' - 0"	INSUL. HM.	A	-	FA4	04	
112	113	112	3' - 0"	7' - 0"	S.C. WD.	D	45 MIN.	FA2	05	
113	A	113	2' - 10"	7' - 0"	HM.	B	60 MIN.	EXIST.	03	NEW DOOR IN EXISTING FRAME - VERIFY SIZE IN FIELD
114	113	114	3' - 0"	7' - 0"	S.C. WD.	A	45 MIN.	FA2	06	
115	113	115	3' - 0"	7' - 0"	S.C. WD.	D	45 MIN.	FA2	07	
117	118	117	3' - 0"	7' - 0"	HM.	U	-	FA2	08	
118	118	113	3' - 0"	7' - 0"	HM.	D	45 MIN.	FA2	03	
119	R107	119	3' - 0"	7' - 0"	-	-	-	EXIST.	-	EXISTING FRAME CREATES CASED OPENING - SEE D43 ON D1.1
120	120	EXT.	3' - 0"	7' - 0"	INSUL. HM.	B	-	FA4	01	
120A	113	120	3' - 0"	7' - 0"	S.C. WD.	B	45 MIN.	FA4	03	
201	R201	212	3' - 0"	7' - 0"	S.C. WD.	D	-	FA2	14	
201A	R201	R202	2' - 6"	7' - 0"	S.C. WD.	BB	-	FE2	09	NEW DOOR AND FRAME IN EXISTING WALL
202	R202	215	3' - 0"	7' - 0"	S.C. WD.	D	45 MIN.	FA2	03	
212	214	212	3' - 0"	7' - 0"	S.C. WD.	D	45 MIN.	FA2	07	
212A	212	212A	3' - 0"	7' - 0"	S.C. WD.	A	-	FA2	10	
214	214	A	3' - 0"	7' - 0"	S.C. WD.	D	60 MIN.	FA2	03	
217	217	218	3' - 0"	7' - 0"	S.C. WD.	AA	-	FE2	11	
218	214	218	3' - 0"	7' - 0"	S.C. WD.	D	45 MIN.	FA2	12	
219	214	219	3' - 0"	7' - 0"	S.C. WD.	A	45 MIN.	FA2	07	
220	220	215	2' - 10"	7' - 0"	S.C. WD.	A	45 MIN.	FA2	13	180° OPEN
221	221	215	2' - 10"	7' - 0"	S.C. WD.	A	45 MIN.	FA2	13	180° OPEN
222	215	222	3' - 0"	7' - 0"	S.C. WD.	A	45 MIN.	FA2	07	
223	215	223	3' - 0"	7' - 0"	S.C. WD.	D	45 MIN.	FA2	12	
R101B	R101	EXT.	8' - 0"	11' - 3"	EXIST.	-	-	EXIST.	-	EXISTING OVERHEAD DOOR
R101C	R101	EXT.	8' - 0"	11' - 3"	EXIST.	-	-	EXIST.	-	EXISTING OVERHEAD DOOR
R102	R102	R101	3' - 0"	6' - 8"	EXIST.	-	-	EXIST.	-	EXISTING DOOR AND FRAME / EXISTING HARDWARE
R105	R101	R105	2' - 8"	7' - 0"	EXIST.	-	-	EXIST.	-	EXISTING DOOR AND FRAME / EXISTING HARDWARE
R202	R202	B	3' - 0"	7' - 0"	EXIST.	-	-	EXIST.	-	EXISTING DOOR AND FRAME / EXISTING HARDWARE
R203	R202	R203	3' - 0 1/2"	6' - 8"	EXIST.	-	-	EXIST.	-	EXISTING DOOR AND FRAME / EXISTING HARDWARE
R203A	R202	R203	3' - 0 1/2"	6' - 8"	EXIST.	-	-	EXIST.	-	EXISTING DOOR AND FRAME / EXISTING HARDWARE
R204	B	R204	2' - 8"	7' - 0"	EXIST.	-	-	EXIST.	-	EXISTING DOOR AND FRAME / EXISTING HARDWARE

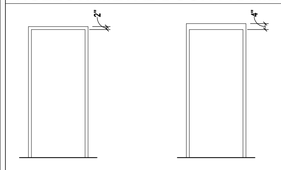
GENERAL DOOR NOTES

1. ALL DOOR DETAILS ARE DIAGRAMMATIC AND MAY NOT REPRESENT EVERY COMPONENT TO EACH WALL SYSTEM INCLUDING BUT NOT LIMITED TO CLOSERS, ANCHORS, FASTENERS, FINISHES, WATERPROOFING, ETC. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE ALL COMPONENTS WITH EACH RESPONSIBLE TRADE.
2. LIGHT SWITCH AT DOUBLE DOORS SHALL BE LOCATED ON ACTIVE LEAF SIDE ON PUSH SIDE. INACTIVE LEAF SIDE ON PULL SIDE. COORDINATE WITH OWNER
3. CARD READERS AND WIRING BY OWNER'S VENDOR. CONTRACTOR TO PROVIDE ALL SUPPORTING CONDUIT, BACK BOX, AND HARDWARE. - ALTERNATE
4. ALL DOORS TO BE ADJUSTED TO ELIMINATE RATTLE AND OR PLAY WHEN DOOR IS LATCHED.
5. SLOPE ALUMINUM THRESHOLDS TO EXTERIOR AT ALL EXTERIOR DOORS.
6. ALL DOORS TO HAVE STOPS.
7. UNDERCUT DOORS WHERE MARBLE THRESHOLDS ARE REQUIRED.
8. INSTALL KICKPLATE ON PUSH SIDE OF DOOR WHERE SPECIFIED
9. FIRE RATED DOORS AND FRAMES REQUIRE LABELS
10. ALL EXISTING DOORS AND/OR FRAMES INDICATED TO REMAIN SHALL BE SCRAPED, SANDED, PRIMED, AND PAINTED. PATCH ANY EXISTING HOLES AND/OR HARDWARE PREPS NOT BEING USED
11. WHERE NEW DOORS ARE SCHEDULED FOR EXISTING FRAMES, FIELD VERIFY EXACT DOOR SIZE REQUIRED PRIOR TO SHOP DRAWING SUBMITTAL

ABBREVIATIONS

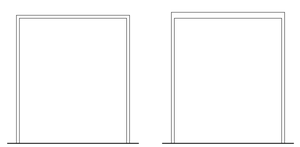
ASF	=	ALUMINUM STOREFRONT
EXIST.	=	EXISTING
HM.	=	HOLLOW METAL
INSUL. HM.	=	INSULATED HOLLOW METAL
S.C. WD.	=	WOOD

HOLLOW METAL DOOR FRAMES



FA2

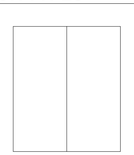
FA4
4" HEAD



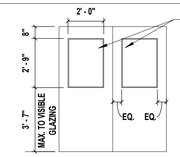
FE2

FE4
4" HEAD

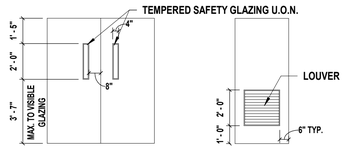
DOOR TYPES



TYPE - A
TYPE - AA



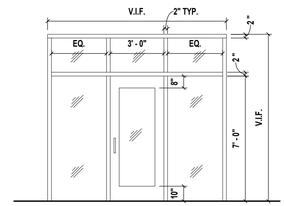
TYPE - B
TYPE - BB



TYPE - D
TYPE - DD

TYPE - U

ALUMINUM STOREFRONT - ALTERNATE



INTERIOR HOLLOW METAL DOOR FRAME SCHEDULE, UON

INTERIOR CMU:	FRAME SIZE:
8" CMU	5 3/4" WIDE
12" CMU	7 3/4" WIDE

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

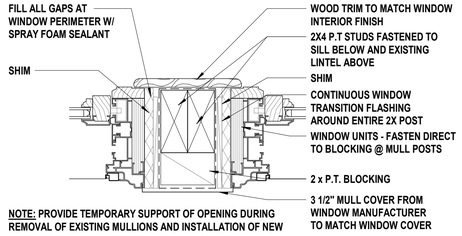
DOOR SCHEDULE AND DETAILS

DRAWING No.

A7.1

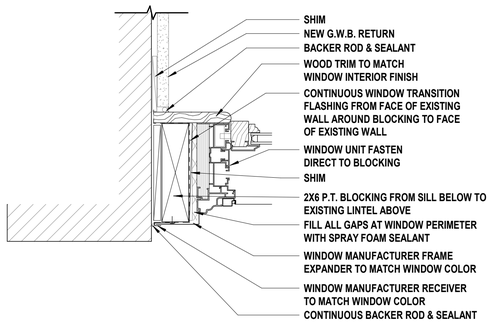
C:\Users\cos\wald\Documents\MKIV1803-Central_A1b_cosWald.rvt

12/15/2021 14:25:12

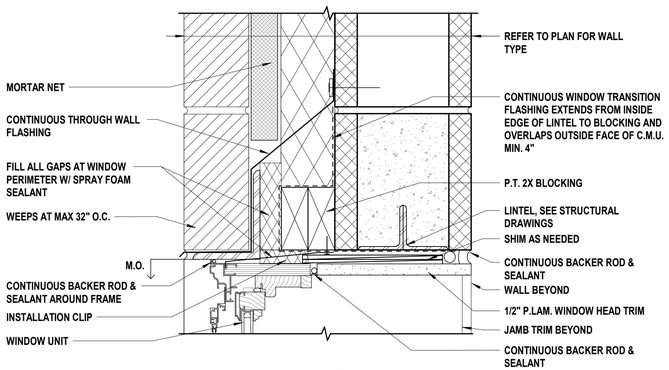


NOTE: PROVIDE TEMPORARY SUPPORT OF OPENING DURING REMOVAL OF EXISTING MULLIONS AND INSTALLATION OF NEW

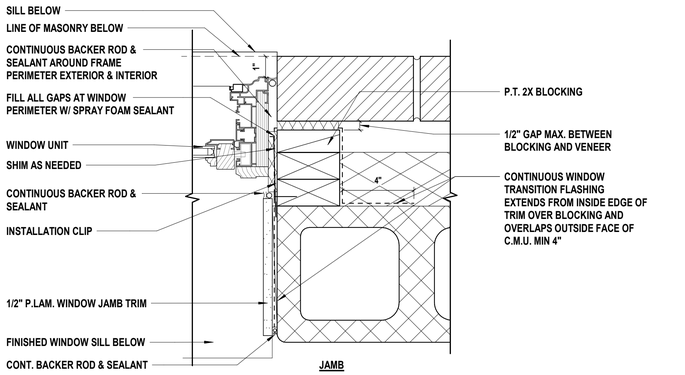
1 A8.1 **W8 JAMB MULL BETWEEN UNITS**
SCALE: 3" = 1'-0"



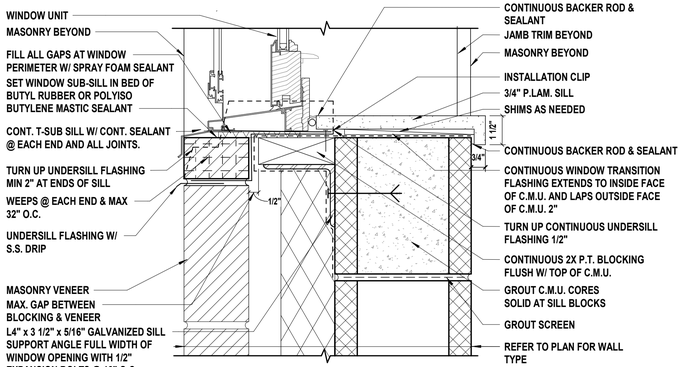
2 A8.1 **W8 JAMB AT ENDS**
SCALE: 3" = 1'-0"



HEAD



JAMB



SILL

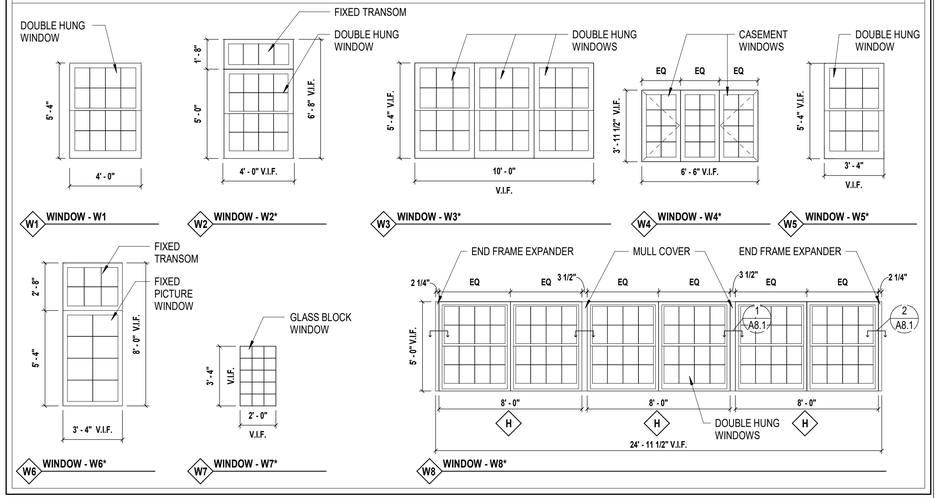
3 A8.1 **TYP. WINDOW AT ACMU VENEER WALLS**
SCALE: 3" = 1'-0"

WINDOW ELEVATIONS

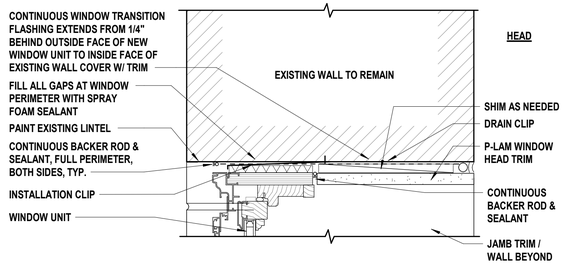
* WINDOW IN EXISTING OPENING

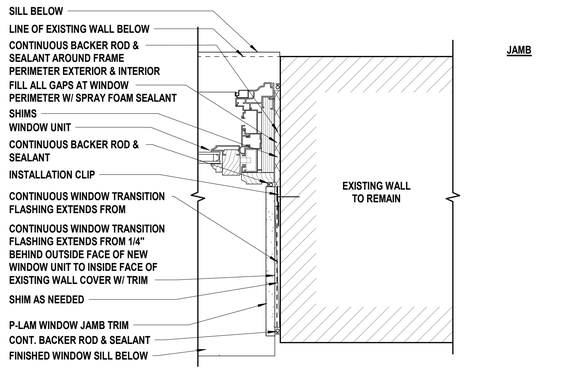
WINDOW NOTES:
1. ALL OPERABLE SASH IN DOUBLE HUNG TO BE PROVIDED W/ SCREENS.
2. SELF-ADHESIVE FLASHING SHALL BE APPLIED OVER INSTALLATION CLIPS AND SHALL OVERLAP OPENING WRAP.
3. ALL WINDOWS TO HAVE MUNTINS IN PATTERNS SHOWN, U.O.N.
4. DIMENSIONS SHOWN ARE MASONRY ROUGH OPENINGS U.O.N.
5. ALL GLAZING IN DOORS, FIXED SIDE PANELS ADJOINING DOORS, INTERIOR PARTITIONS WHERE GLAZING EXTENDS TO WITHIN 1'-6" OF FINISHED FLOOR AND GLASS PANELS GREATER THAN 50 SQ. FT. TO BE FULLY TEMPERED SAFETY GLASS.

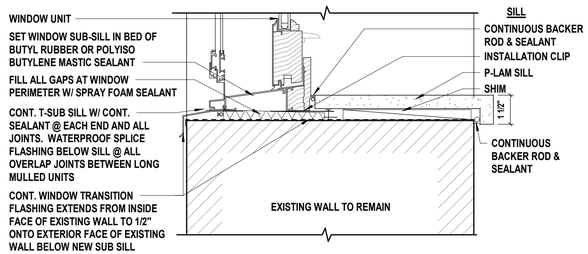
EXTERIOR



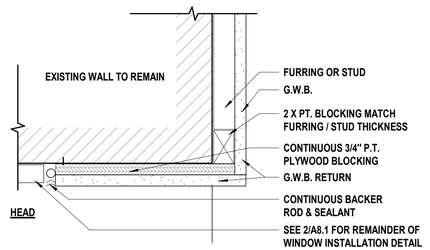
MARK	DATE	DESCRIPTION

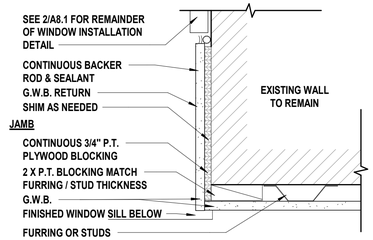


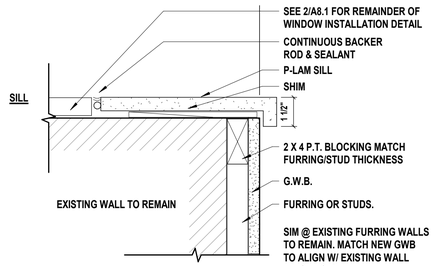




4 A8.1 **TYP. WINDOW @ EXISTING EXPOSED WALL CONDITIONS**
SCALE: 3" = 1'-0"







5 A8.1 **WINDOW RETURNS AT FURRED EXISTING WALL CONDITIONS**
SCALE: 3" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	*

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

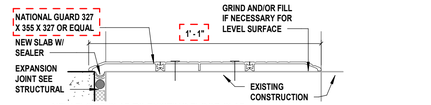
SHEET TITLE

WINDOW SCHEDULE, ELEVATIONS AND DETAILS

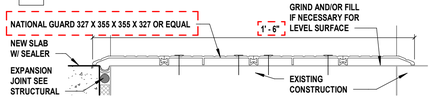
DRAWING No.

A8.1

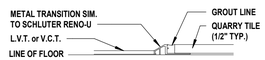
C:\Users\costwald\Documents\MKIV1803-Central_A19_costwald.rvt
12/15/2021 14:25:13



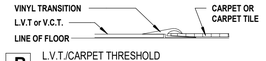
Y1 NEW FLOOR SLAB TO EXISTING FLOOR SLAB



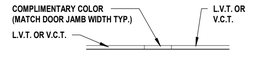
Y2 NEW FLOOR SLAB TO EXISTING FLOOR SLAB



A V.C.T. OR L.V.T./Q.T. THRESHOLD

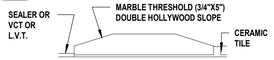


B L.V.T./CARPET THRESHOLD

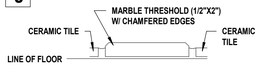


F L.V.T. OR V.C.T. / V.C.T. THRESHOLD

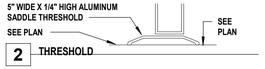
H SEALER/V.C.T. FLOORING THRESHOLD



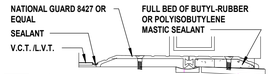
J MARBLE THRESHOLD AT C.T.



P MARBLE THRESHOLD C.T./C.T. AT ACCESSIBLE SHOWER STALL



2 THRESHOLD



4 V.C.T./ L.V.T. @ EXTERIOR THRESHOLD
SEE TYPICAL EXTERIOR DOOR THRESHOLD

FINISH ROOM SCHEDULE

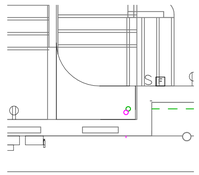
RM#	ROOM NAME	WALLS								FLOOR MATERIAL	BASE	CEILING		Comments
		NORTH		EAST		SOUTH		WEST						
		MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.			MAT.	FIN.	
110	TRANSITION ZONE	FRP	-	FRP	-	FRP	-	FRP	-	SEALER	-	S.A.C.	22A	EXISTING TILE FLOORING TO BE REMOVED. FRP WALLS
111	FIREMATIC STORAGE	C.M.U.	PT.	C.M.U.	PT.	C.M.U.	PT.	C.M.U	PT.	SEALER	-	EXPOSED	PT	
112	READY ROOM	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	L.V.T.	RUBBER	S.A.C.	22A	
113	CORRIDOR	EX./C.M.U.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	L.V.T.	RUBBER	S.A.C.	22A	
114	STORAGE	G.W.B.	PT.	C.M.U.	PT.	C.M.U	PT.	G.W.B.	PT.	SEALER	-	EXPOSED	PT	
115	ELEVATOR LOBBY	G.W.B.	PT.	C.M.U.	PT.	C.M.U.	PT.	C.M.U	PT.	L.V.T.	RUBBER	S.A.C.	22A	
116	ELEVATOR	-	-	-	-	-	-	-	-	CPT.	-			
117	UNISEX BATHROOM	G.W.B.	C.T.	G.W.B.	C.T.	G.W.B.	C.T.	G.W.B.	C.T.	SEALER	-	S.A.C.	24B	
118	NEW GEAR LOCKERS	EX./C.M.U.	PT.	C.M.U.	PT.	C.M.U.	PT.	G.W.B.	PT.	SEALER	-	S.A.C.	22A	
119	MECH/ELEC	EX./C.M.U.	PT.	EX./C.M.U.	PT.	C.M.U.	PT.	C.M.U	PT.	SEALER	-	EXPOSED	-	
120	ENTRANCE	C.M.U.	PT.	EX./C.M.U.	PT.	C.M.U.	PT.	G.W.B.	PT.	L.V.T.	RUBBER	S.A.C.	22A	
212	KITCHEN	EXIST.	FRP	EXIST.	FRP	EXIST./G.W.B.	FRP/S.S.	EXIST.	FRP	Q.T.	QT.	S.A.C.	24C	
212A	PANTRY	G.W.B.	PT.	EX./C.M.U.	PT.	EX./C.M.U.	PT.	G.W.B.	PT.	Q.T.	QT.	S.A.C.	24C	
214	LOBBY	EX./C.M.U & G.W.B.	PT.	G.W.B.	PT.	G.W.B./C.M.U.	PT.	G.W.B.	PT.	L.V.T.	RUBBER	S.A.C.	22A	
215	CORRIDOR	EX./C.M.U.	PT.	G.W.B.	PT.	G.W.B.	PT.	-	-	L.V.T.	RUBBER	S.A.C.	22A	
216	ELEVATOR	-	-	-	-	-	-	-	-	CPT.	-	-	-	
217	STORAGE	G.W.B.	PT.	G.W.B./C.M.U.	PT.	G.W.B.	PT.	G.W.B.	PT.	L.V.T.	RUBBER	S.A.C.	22A	
218	OFFICE SUITE	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	L.V.T.	RUBBER	S.A.C.	22A	
219	WOMEN'S TOILET	G.W.B.	C.T.	G.W.B.	C.T.	G.W.B.	C.T.	G.W.B.	C.T.	C.T.	C.T.	S.A.C.	24B	
220	JANITOR	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	L.V.T.	RUBBER	S.A.C.	24B	
221	TABLE STORAGE	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	L.V.T.	RUBBER	S.A.C.	22A	
222	MEN'S TOILET	G.W.B.	C.T.	G.W.B.	C.T.	G.W.B.	C.T.	G.W.B.	C.T.	C.T.	C.T.	S.A.C.	24B	
223	CONFERENCE ROOM	EX./C.M.U.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	CPT.	RUBBER	S.A.C.	22A	
224	OFFICE SPACE - ALTERNATE	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	L.V.T.	RUBBER	S.A.C.	22A	
A	EXISTING STAIR A	EXIST.	PT.	EXIST.	PT.	EXIST.	PT.	EXIST.	PT.	EXIST.	-	EXISTING	PT	RUBBER TREADS AND LANDINGS
B	EXISTING STAIR B	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	S.A.C.	22A	
R101	EXISTING APPARATUS BAY	EXIST.	PT.	EXIST.	PT.	EXIST.	PT.	EXIST.	PT.	EXIST.	-	EXISTING	-	
R102	EXISTING WORKSHOP	EXIST.	PT	EXIST.	PT.	EXIST.	PT.	EXIST.	PT.	EXIST.	-	EXISTING	-	
R105	EXISTING MECHANICAL	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXISTING	-	
R106	EXISTING LOBBY	EX./G.W.B.	PT.	EX./G.W.B.	PT.	EX./G.W.B.	PT.	EX./G.W.B.	PT.	EXIST.	-	EXISTING	-	
R107	EXISTING MECHANICAL	WT	-	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXISTING	-	
R201	EXISTING MEMBERS' DINING	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXISTING	-	
R202	EXISTING MEETING ROOM	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXISTING	-	
R203	EXISTING MEMBERS' ROOM	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXISTING	22A	
R204	EXISTING OFFICE	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	EXIST.	-	S.A.C.	22A	

FINISH FLOOR LEGEND

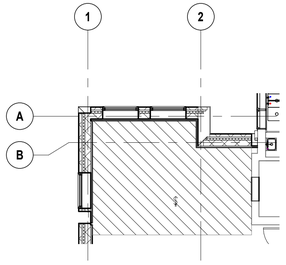
- SEALED CONCRETE
- LUXURY VINYL TILE (LVT)
- CARPET TILE
- QUARRY TILE
- CERAMIC TILE

- HANDICAPPED ACCESSIBLE SHOWER FLOORS ARE CERAMIC TILE.
- PAINT ALL EXPOSED MTL. INCLUDING RAILS, RISERS, STRINGERS, COLUMNS, BEAMS, JOISTS, EDGES, LINTELS, AND ALL EXPOSED SURFACES
- ALL CONSTRUCTION THAT IS MODIFIED OR DAMAGED DURING CONTRACTOR OCCUPANCY SHALL BE PAINTED.
- CEMENT BOARD IN LIEU OF G.W.B. AT ALL SHOWER STALLS (SEE WALL TYPES)
- ALL C.M.U. WALLS THAT ARE TO RECEIVE CERAMIC TILES SHALL HAVE FLUSH MORTAR JOINTS
- SEE FINISH FLOOR PLAN FOR LOCATION OF CORNER GUARDS (C.G.).
- CLEAN ALL EXISTING SURFACES/FINISHES TO REMAIN
- PAINT EXISTING CMU TO REMAIN
- ALL EXPOSED SURFACES OF PARTITIONS ARE TO BE PAINTED TO 6" ABOVE SAC CEILING, MIN.

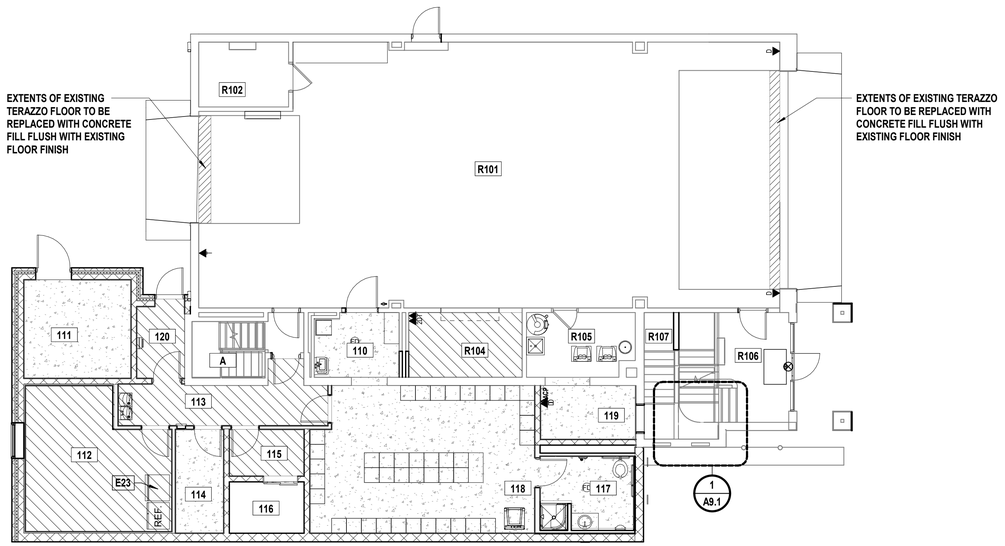
S.A.C	=	SUSPENDED ACOUSTIC CEILING TILE
CPT	=	CARPET TILE
C.M.U	=	CONCRETE MASONRY UNIT
CONC.	=	CONCRETE; SLAB ON GRADE
C.T.	=	CERAMIC TILE
EXIST.	=	EXISTING
EXPOSED	=	EXPOSED STRUCTURE
E.G.B.	=	EXISTING GLAZED BLOCK
F.R.P.	=	FIBERGLASS REINFORCED PANEL
GWB.	=	GYPSUM WALL BOARD
LVT	=	LUXURY VINYL TILE
PT	=	PAINT
RB	=	RUBBER BASE
SS	=	STAINLESS STEEL WALL PANEL



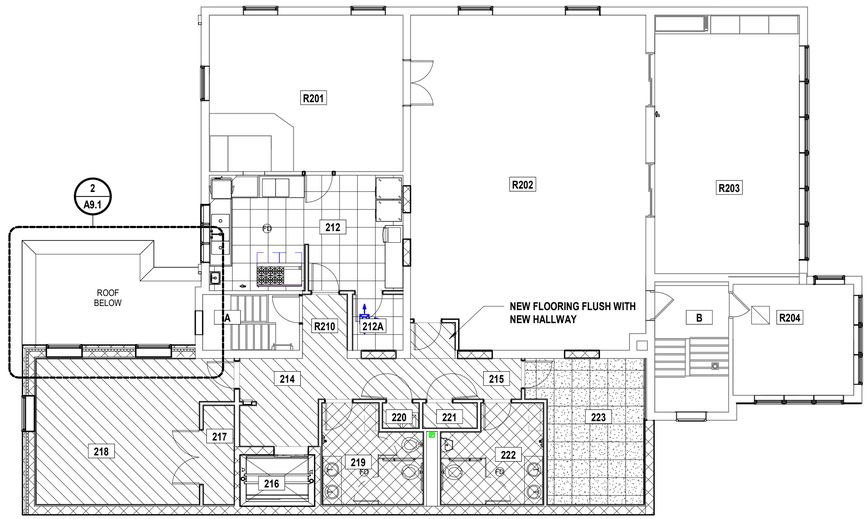
1 A9.1 **EXISTING STAIR ALCOVE**
SCALE: 1/4" = 1'-0"



2 A9.1 **ALTERNATE - PARTIAL SECOND FLOOR PLAN**
SCALE: 1/8" = 1'-0"



3 A9.1 **FIRST FLOOR FINISH PLAN**
SCALE: 1/8" = 1'-0"



4 A9.1 **SECOND FLOOR FINISH PLAN**
SCALE: 1/8" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1803	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
FINISH SCHEDULE AND DETAILS

DRAWING No.
A9.1

C:\Users\costwald\Documents\MKIV1803-Central_A19_costwald.rvt
12/15/2021 14:25:14

LEGEND

SYMBOL	DESCRIPTION
	PIPING UP
	PIPING DOWN
	PIPING RISE OR DROP
	BRANCH-TOP CONNECTION
	BRANCH-BOTTOM CONNECTION
	REDUCER
CO CO	CLEANOUT
	FLOOR CLEANOUT
	CAPPED PIPE
M	METER
	FLOOR DRAIN
	AQUASTAT
	PUMP
	STRAINER
	UNION
	THERMOSTATIC MIXING VALVE
	BALANCING VALVE (BLV)
	GLOBE VALVE (GLV)
	CHECK VALVE (CV)
	GAS COCK, GAS STOP
	BALL VALVE (BV)
	BUTTERFLY VALVE (BFV)
S	SOLENOID VALVE
	PRESSURE-REDUCING VALVE (PRV)
	GATE VALVE (GV)
	PRESSURE-RELIEF VALVE (RV)
	BACKFLOW PREVENTER
	FROST FREE HOSE BIBB
	HOSE BIBB
	RECESSED-BOX HOSE BIBB OR WALL HYDRANT
	EXPANSION JOINT
	WATER HAMMER ARRESTER
	VALVE IN RISER
CO	WALL CLEANOUT (WCO)
	PITCH DOWN OR UP IN DIRECTION OF ARROW
	FLOW IN DIRECTION OF ARROW
	COLD WATER (CW)
	TEMPERED WATER (TW)
	HOT WATER (HW)
	TEMPERED WATER RETURN (TWR)
	HOT WATER RETURN (HWR)
	WASTE PIPING (W,S,OW)
	BELOW SLAB WASTE PIPING
	VENT PIPING (V)
	GAS PIPING (G)
	PIPING / EQUIPMENT TO BE REMOVED
	POINT OF CONNECTION
	POINT OF DISCONNECTION

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CLG	CEILING
CO	CLEAN OUT
CODP	CLEAN OUT DECK PLATE
COWP	CLEAN OUT WALL PLATE
CW	COLD WATER
(D)	DEMOLISH
DCV	DOUBLE CHECK VALVE DEVICE
DEG. F	° FAHRENHEIT
DIA	DIAMETER
DN	DOWN
(E)	EXISTING
EA	EACH
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
G	GAS
'GC'	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
'H'	HVAC CONTRACTOR
HP	HORSEPOWER
HW	HOT WATER
HWR	HOT WATER RETURN
IN.	INCHES
IN. W.C. (W.G.)	INCHES WATER COLUMN (WATER GAUGE)
KW	KITCHEN WASTE
LBS	POUNDS
M	METER
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OD	OUTER DIAMETER
(P)	PROPOSED
'P'	PLUMBING CONTRACTOR
PD	PRESSURE DROP
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAN / S	SANITARY
ST	STORM DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL
TW	TEMPERED WATER (110°F)
TWR	TEMPERED WATER RETURN
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE

GENERAL PLUMBING NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.
3. PERFORM ALL WORK IN ACCORDANCE WITH THE 2020 NEW YORK STATE PLUMBING (NYSPC), FIRE (NYSFC), MECHANICAL (NYSMC), ENERGY CONSERVATION CONSTRUCTION (NYSECC), AND FUEL GAS (NYSFGC) CODE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
4. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
5. APPLY FOR AND SECURE ALL REQUIRED PERMITS AND INSPECTIONS AND PAY ALL COSTS FOR THE SAME.
6. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, CONDUIT, ETC.
7. DO NOT SCALE DRAWINGS. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE.
8. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. MANUFACTURERS REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTORS INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTORS FABRICATED ITEMS TO ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
9. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
10. FIELD VERIFY AND COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
11. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
12. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
13. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
14. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
15. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
16. COMPLETE ALL PRESSURE TESTS BEFORE ANY PLUMBING EQUIPMENT, OR PIPING INSULATION IS APPLIED.
17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
18. PROVIDE CONCRETE PADS A MINIMUM OF 4 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
19. INSTALL PIPING, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
20. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ACCESSIBLE FIXTURES. MOUNT ALL SUCH FIXTURES IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
21. PROVIDE ACCESS DOORS IN WALLS, PARTITIONS, AND CEILINGS AS REQUIRED TO MAKE VALVES, WATER HAMMER ARRESTERS, ETC. READILY ACCESSIBLE.
22. ARRANGE FOR, COORDINATE, AND MAKE CONNECTION TO ALL SERVICES PROVIDED BY OTHERS. CONFORM TO ALL REQUIREMENTS APPLICABLE TO CONNECTIONS IMPOSED BY UTILITY COMPANIES AND AUTHORITIES HAVING JURISDICTION.
23. INSTALL FIXTURES AND EQUIPMENT WITH VALVES, UNIONS, ETC. TO ALLOW FOR EASE OF SERVICE AND/OR REMOVAL.
24. CORE DRILL ALL PENETRATIONS THROUGH CONCRETE FLOORS, WALLS, AND FOOTINGS.
25. INSTALL LINK SEAL TYPE PROTECTION FOR WATER RESISTANT SEALS AT ALL SLAB AND BELOW GROUND WALL FOOTING PENETRATIONS.
26. PROVIDE A CLEANOUT AT THE BASE OF WASTE AND VENT STACKS WITH FINISHED WALL PLATE IN FINISHED WALLS.
27. FURNISH AND INSTALL WATER PRESSURE REDUCING VALVE AND PRESSURE RELIEF VALVE IN ACCORDANCE WITH THE NEW YORK STATE PLUMBING CODE ON ALL INCOMING DOMESTIC WATER SYSTEMS IN EXCESS OF 80 P.S.I.G.
28. COVER ALL COPPER PIPING BELOW SLAB WITH "ARMAFLEX" TYPE INSULATION.
29. SLOPE ALL VENT PIPING TO DRAIN BACK TO THE DRAINAGE SYSTEM.
30. FLUSH AND DISINFECT ALL DOMESTIC POTABLE WATER PIPING AND TEST THE WATER IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE. PROVIDE CERTIFICATE OF PERFORMANCE AND LABORATORY TEST REPORT TO LOCAL AUTHORITIES HAVING JURISDICTION AND OBTAIN THEIR APPROVAL.
31. PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK CLOSING FIXTURE VALVE LOCATIONS.
32. ALL PIPING, VALVES AND FITTINGS USED FOR POTABLE WATER SHALL BE NSF 61/372 COMPLIANT AND BE TESTED FOR LOW LEAD.
33. ANY PENETRATIONS THROUGH AIR BARRIER SHALL BE SEALED AS PER 2020 NYSECC RESIDENTIAL AND COMMERCIAL PROVISIONS.
34. ALL PIPING IN PLENUM SPACES SHALL BE CAST IRON FOR SANITARY, STORM, VENT SYSTEMS, AND COPPER PIPING FOR DOMESTIC SYSTEMS, AND STEEL PIPING FOR GAS SYSTEMS. NO PLASTIC PIPING ALLOWED.

WORK IN EXISTING AREAS

1. EXISTING CONDITIONS, INCLUDING EQUIPMENT AND PIPE SIZES AND LOCATIONS, INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC. CONFIRM ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
2. CUT AND ROUGH PATCH EXISTING CONSTRUCTION AS REQUIRED FOR THE PERFORMANCE OF THE WORK. FINISH PATCHING AND FLASHING REQUIREMENTS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. PERFORM ALL CUTTING AND PATCHING WORK IN A MANNER SUCH THAT ANY EXISTING WARRANTEES/GUARANTEES ARE NOT VOIDED. USE QUALIFIED PERSONNEL IN PERFORMANCE OF THE WORK.

APPLICABLE CODES

- 2020 NEW YORK STATE RESIDENTIAL CODE (NYSRC) 1ST PRINTING (INCLUDES PLUMBING, MECHANICAL, FUEL GAS, AND ENERGY CONSERVATION)
- 2020 NEW YORK STATE BUILDING CODE (NYSBC) 1ST PRINTING
- 2020 NEW YORK STATE FIRE CODE (NYSFC) 1ST PRINTING
- 2020 NEW YORK STATE PLUMBING CODE (NYSPC) 1ST PRINTING
- 2020 NEW YORK STATE FUEL GAS CODE (NYSFGC) 1ST PRINTING
- 2020 NEW YORK STATE MECHANICAL CODE (NYSMC) 1ST PRINTING
- 2020 NEW YORK STATE ENERGY CONSERVATION CODE (NYSECC) 1ST PRINTING

FUEL GAS NOTES

1. PERFORM ALL WORK IN ACCORDANCE WITH NFPA 54 - NATIONAL FUEL GAS CODE, THE 2020 NEW YORK STATE FUEL GAS CODE (NYSFGC), 2015 NATIONAL GRID BLUE BOOK, 2018 CONEDISON YELLOW BOOK, 2017 PSEG NJ BOOK, AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
2. THE DEPTH OF COVER FOR ALL GAS SERVICE PIPING SHALL BE 24 INCHES.
3. THE WATER SERVICE SHALL BE KEPT A MINIMUM OF 10-FEET FROM THE INCOMING GAS SERVICE MEASURED IN ANY DIRECTION.
4. IF ELECTRIC AND GAS SHARE A COMMON TRENCH, THE TRENCH MUST BE WIDE ENOUGH TO MAINTAIN A 6-INCH MINIMUM SEPARATION DISTANCE.
5. LOCATION OF PROPOSED GAS METER ON CONTRACT DOCUMENTS ARE SUBJECT TO CHANGE BY THE LOCAL UTILITY COMPANY.
6. REFER TO THE LOCAL UTILITY COMPANY HANDBOOKS FOR METER RIG CONSTRUCTION DETAILS, RULES AND REGULATIONS. THIS INCLUDES, BUT NOT LIMITED TO LOCATION OF STEP DOWN REGULATORS, METER SIZE AND SET LENGTHS, VENTING OF REGULATORS, BYPASS PIPING, BOLLARD REQUIREMENTS, CONCRETE PAD, SUPPORTS, AND SHUT OFF VALVES.
7. GAS PIPING:
   - 7.1. INDOOR - STEEL PIPE- SCHEDULE 40 WITH WELDED OR THREADED JOINTS. THREADED JOINTS SHALL BE 150 POUND MALLEABLE IRON, FORGED STEEL, BLACK IRON, OR GALVANIZED STEEL.
   - 7.2. OUTDOOR - ABOVE GROUND - GALVANIZED PIPE OR PROPERLY COATED BLACK STEEL PIPE WITH SCREWED OR THREADED JOINTS.
   - 7.3. BELOW GRADE - STEEL PIPE- MILL WRAPPED SCHEDULE 40 WITH WELDED OR THREADED JOINTS
   - 7.4. WELDED JOINTS MUST BE USED FOR GAS PIPING LARGER THAN 4-INCH, OR 3-INCH FOR SCHOOLS.
8. GAS PIPING ENTERING A BUILDING SHALL BE ABOVE GRADE. PENETRATIONS THROUGH BURIED WALLS ARE NOT PERMITTED.
9. WHERE GAS PIPING IS INSTALLED BELOW GRADE INSIDE A BUILDING, THE GAS PIPING MUST BE INSTALLED IN A CONDUIT AND BE VENTED TO THE EXTERIOR.
10. GAS PRESSURE TEST:
    - 10.1. GALVANIZED OR BARE STEEL - UP TO 14" W.C. - AIR AT 3 PSIG FOR 30 MINUTES -
    - 10.2. GALVANIZED OR BARE STEEL - GREATER THAN 14" W.C. - AIR AT 50 PSIG FOR 30 MINUTES
    - 10.3. COATED OR WRAPPED - LESS THAN 2-INCH - AIR AT 90 PSIG FOR 1-HOUR
    - 10.4. COATED OR WRAPPED - 2-INCH TO 12-INCH - AIR AT 90 PSIG FOR 4-HOURS
11. SUPPLY ALL GAS-FIRED EQUIPMENT WITH GAS PIPING AS PER THE NEW YORK STATE FUEL GAS CODE . PROVIDE EACH PIECE OF EQUIPMENT WITH A DIRT LEG, UNION AND GAS COCK. PROVIDE A VENTED REGULATOR IF EQUIPMENT REQUIRES LOWER THAN LINE GAS PRESSURE.
12. PROVIDE VEHICLE IMPACT PROTECTION FOR NEW METER HEADER. BOLLARDS SHALL BE SPACED NO MORE THAN 4-FEET BETWEEN POSTS ON CENTER AND LOCATED NOT LESS THAN 3-FEET FROM THE PROTECTED OBJECT.
13. SHUTOFF VALVES INSTALLED IN TUBING SYSTEMS MUST BE RIGIDLY AND SECURELY SUPPORTED INDEPENDENTLY OF THE TUBING.
14. ALL COOKING APPLIANCE CONNECTIONS MUST BE LISTED AND LABELED.

MANUAL GAS VALVE STANDARDS

VALVE STANDARDS	APPLIANCE SHUTOFF VALVE APPLICATION UP TO 1/2 PSIG PRESSURE	OTHER VALVE APPLICATIONS		
		UP TO 1/2 PSIG PRESSURE	UP TO 1/2 PSIG PRESSURE	UP TO 1/2 PSIG PRESSURE
ANSI Z21.15/CGA9.1	X	–	–	–
ASME B16.44	X	X*	X**	–
ASME B16.33	X	X	X	X

NOTES:
1. FOR SI: 1 POUND PER SQUARE INCH GAUGE = 6.895 kPa.
2. X* IF LABELED 2G
3. X** IF LABELED 5G

ENERGY NOTES

2020 NEW YORK STATE ENERGY CONSERVATION CODE NOTES: STATEMENT OF COMPLIANCE:

TO THE BEST OF MY KNOWLEDGE, AND PERSONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE (NYSECC) .

1. SERVICE WATER HEATING EQUIPMENT PERFORMANCE EFFICIENCY:
   - 1.1. WATER HEATING EQUIPMENT AND HOT WATER STORAGE TANKS SHALL MEET THE REQUIREMENTS OF TABLE C404.2 IN THE 2020 NYSECC. (NYSECC C404.2)
   - 1.2. SERVICE WATER HEATING SHALL BE COMMISSIONED AND COMPLETED IN ACCORDANCE WITH SECTION C408.2 OF THE 2020 NYSECC .
2. TEMPERATURE CONTROL:
   - 2.1. SERVICE WATER HEATING EQUIPMENT SHALL BE PROVIDED WITH CONTROLS ALLOWING A SETPOINT OF 110°F FOR DWELLING UNITS AND 90 °F FOR OTHER OCCUPANCIES. PUBLIC REST ROOM LAVATORIES SHALL HAVE A MAXIMUM OUTLET TEMPERATURE OF 110°F.
   - 2.2. WHERE WATER HEATING EQUIPMENT SERVING NONCIRCULATING SYSTEMS IS NOT SUPPLIED WITH INTEGRAL HEAT TRAPS, HEAT TRAPS SHALL BE PROVIDED ON THE SUPPLY AND DISCHARGE PIPING. (NYSECC C404.3)
3. PIPE INSULATION:
   - 3.1. AUTOMATIC CIRCULATING HOT WATER SYSTEM PIPING SHALL BE INSULATED WITH 1 INCH OF INSULATION WITH A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/H X FT X FT X °F, OR THE INSULATION REQUIREMENTS OF SPECIFICATIONS, WHICHEVER IS GREATER. THE FIRST 8 FT OF PIPING IN NONCIRCULATING SYSTEMS WITH EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS SHALL BE INSULATED WITH 0.5 INCH OF MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/H X FT X FT X °F, OR THE INSULATION REQUIREMENTS OF SPECIFICATIONS, WHICHEVER IS GREATER. (NYSECC C404.5)
   - 3.2. ALL PIPING TO BE INSULATED WITH 0.21-0.28 CONDUCTIVITY
   - 3.3. COLD WATER PIPING - ALL SIZES - 1-INCH INSULATION, A.S. JACKET.
   - 3.4. STORM DRAINAGE PIPING ALL HORIZONTAL RUNS AND DRAIN BODY - MINIMUM 1-INCH INSULATION, A.S. JACKET.
   - 3.5. HOT WATER PIPING (140°F) AND TEMPERED WATER PIPING (110°F)
     - 3.5.1. PIPE SIZE: < 1" INSULATION: 1"
     - 3.5.2. PIPE SIZE: 1" TO < 1-1/2" INSULATION: 1"
     - 3.5.3. PIPE SIZE: 1-1/2 TO < 4" INSULATION: 1.5"
     - 3.5.4. PIPE SIZE: 4" TO < 8" INSULATION: 1.5"
4. HOT WATER SYSTEM CONTROLS:
   - 4.1. CIRCULATING HOT WATER SYSTEM PUMPS OR HEAT TRACE SHALL BE ARRANGED TO BE TURNED OFF EITHER AUTOMATICALLY OR MANUALLY WHEN THERE IS LIMITED HOT WATER DEMAND. READY ACCESS SHALL BE PROVIDED TO THE OPERATING CONTROLS. (NYSECC C404.6)
5. PIPE VOLUME AND MAXIMUM LENGTHS
   - 5.1. PER SECTION OF C404.5.1 OF THE 2020 NYSECC , ALL MAXIMUM PIPE LENGTHS FROM FIXTURES SHALL COMPLY WITH THE MAXIMUM PIPE LENGTHS ON THE CHART BELOW. CONTRACTOR TO ENSURE HOT WATER RETURN PIPING IS INSTALLED AS PER PLANS AND THAT THESE LENGTHS ARE MAINTAINED.

NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	MAXIMUM PIPING LENGTH (FEET)	
		PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES
1/4"	0.33	6	50
5/16"	0.5	4	50
3/8"	0.75	3	50
1/2"	1.5	2	43
5/8"	2	1	32
3/4"	3	0.5	21
7/8"	4	0.5	16
1"	5	0.5	13
1-1/4"	8	0.5	8
1-1/2"	11	0.5	6
2" OR LARGER	18	0.5	4

DEMOLITION NOTES

GENERAL

1. PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
2. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
3. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

SCOPE OF WORK

1. DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING MANAGEMENT.
2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
3. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT.
4. ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLUMBING (AS WELL AS ELECTRICAL, MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING MATERIALS CONFORMING TO STANDARDS OF THIS CONTRACT.
5. REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW CONSTRUCTION.
6. REMOVE BASE BUILDING PIPING AS INDICATED BELOW:
   - 6.1. REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS.
7. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
8. COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE TURNED OVER TO THE OWNER.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

PLUMBING NOTES, LEGEND, AND ABBREVIATIONS

DRAWING No.

P 001.00

C:\Users\kescarraman\Documents\MKIV1803_Central19_M_Kescarraman.rvt

12/15/2021 11:03:59 AM

PLUMBING FIXTURES

FIXTURE NO.	DESCRIPTION	MINIMUM CONNECTION SIZES (IN)						
		COLD WATER		HOT WATER		DRAIN		V
		SIZE	FU	SIZE	FU	SIZE	DFU	
LAV-1	LAVATORY - DROP IN	1/2	1.5	1/2	1.5	1-1/2	1	1-1/2
WC-1	WATER CLOSET - FLUSH VALVE - WALL MOUNTED	1	10	-	-	4	3	2
WC-2	WATER CLOSET - FLUSH VALVE - WALL MOUNTED - BARRIER FREE - ADA	1	10	-	-	4	4	2
UR-1	URINAL - FLUSH VALVE - WALL MOUNTED - BARRIER FREE	3/4	5	-	-	2	2	1-1/2
SH-1	SHOWER - HANDHELD TRIM WITH MIXING VALVE AND SHOWER DRAIN - BARRIER FREE	1/2	3	1/2	3	2	2	1-1/2
DF-1	DRINKING FOUNTAIN - SURFACE MOUNTED - BILEVEL - BOTTLE FILLER - CHILLED	1/2	0.25	-	-	1-1/4	1/2	1-1/2
MS-1	MOP SINK - FLOOR MOUNTED	3/4	2.25	3/4	2.25	3	2	1-1/2
FD-1	FLOOR DRAIN - SEE NOTE 3	-	-	-	-	3	2	2
FS-1	FLOOR SINK - KITCHEN	-	-	-	-	3	2	2
HB-1	HOSE BIBB - INTERIOR WITH KEY	3/4	-	-	-	-	-	-
RD-1	ROOF DRAIN - COMBINATION	-	-	-	-	SEE PLAN	-	-

NOTES:

1. CHROME PLATE ALL DRAIN PIPE, FITTINGS, P-TRAPS AND SUPPLY LINES THAT ARE EXPOSED, LOCATED WITHIN VANITIES OR ACCESSIBLE CABINETS OR BEHIND WATER CLOSETS
2. MINIMUM CONNECTION SIZES INDICATED ARE EQUIPMENT CONNECTION SIZES OR CODE MINIMUM SIZES, SEE PLANS AND DIAGRAMS FOR ACTUAL SIZES REQUIRED
3. ALL FLOOR DRAINS SHALL HAVE TRAP SEALS. MANUFACTURER: ZURN; Z1072.
4. INSULATE EXPOSED DRAIN AND SUPPLY PIPING FOR HANDICAPPED FIXTURES WITH TRUEBRO LAV GUARD.

PUMP SCHEDULE

PUMP NO.	LOCATION	TYPE	SERVICE	GPM (EA)	TDH (FT)	MOTOR DATA					REMARKS
						RPM	HP (EA)	PHASE	CYCLE	VOLTS	
CP-1	MECH ROOM	SIMPLEX	TEMPERED WATER RECIRC	1	2	3250	0.040	1	60	115 V	TACO MODEL: 007-SF5 WITH TACO AQUASTAT MODEL 563-2.
CP-2	MECH ROOM	SIMPLEX	HOT WATER RECIRC	1	2	3250	0.040	1	60	115 V	TACO MODEL: 007-SF5 WITH TACO AQUASTAT MODEL 563-2.
EP-1	ELEVATOR	SIMPLEX SUBMERSIBLE	ELEVATOR PIT	50	20	3450	0.5	1	60	115 v	PACKAGED UNIT ZOELLER 940-0013, OIL SMART

EXPANSION TANKS

EQUIPMENT NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS			EQUIPMENT SPECIFICATIONS				
			SYSTEM DATA			MNF	MODEL NO.	DIMENSION DIA. x H	WATER CONNECTION	OPERATING WEIGHT (LBS.)
			ESTIMATED VOLUME (GAL.)	MAX. OPERATING PRESS. RANGE (PSIG)	MAX. OPERATING TEMP. RANGE (DEG. F)					
ET-1	GAS/WATER UTILITY ROOM	KITCHEN WATER HEATING	4.4	150	200	AMTROL	ST-12	11" X 15"	3/4"	9

NOTES:

1. CONTRACTOR SHALL APPLY AN AIR COMPRESSOR TO THE EXPANSION TANK AND CHARGE THE TANK TO EQUAL THE INCOMING WATER PRESSURE. EXPANSION TANK SHALL BE INDEPENDENTLY SUPPORTED.

INTERCEPTORS

EQUIPMENT NO.	EXPLODE	BASIS OF DESIGN INFORMATION							REMARKS
		FLUID	FLOW (GPM)	CAPACITY	INLET AND OUTLET SIZE	MANUFACTUER	MODEL	NOMINAL DIMENSIONS (L X W X H)	
GT-1	OUTSIDE	GREASE	75	150 LBS	3"	ZURN	Z1172-HD	36" X 29" X 23"	PROVIDE EXTENSION AS REQUIRED DEPENDING ON PIPE INVERTS. PROVIDE HEAVY DUTY TRAFFIC COVER.

WATER HEATER [GAS]

EQUIPMENT NO.	LOCATION	SYSTEM SERVED	BASIS OF DESIGN INFORMATION							EQUIPMENT SPECIFICATIONS						MINIMUM PERFORMANCE OF WATER HEATING (NYSECC TABLE C404.2)				REMARKS
			GAS INPUT (BTU)	GAS INLET PRESS. (IN W.C)	EFFICIENCY	RECOVERY GPH AT 100 DEG RISE	WATER CONNECTION	GAS CONNECTION	FLUE SIZE	MNF	MODEL NO.	NOMINAL DIMENSION DIA x H	CAPACITY (GAL)	NOMINAL OPERATING WEIGHT (LBS.)	VOLTS / PHASE	EQUIPMENT TYPE	SIZE CATEGORY	SUBCATEGORY	PERFORMANCE REQUIRED	
WH-1	MECH ROOM	BUILDING	120,000	3.5 MIN. - 14 MAX.	95 PERCENT	138 GAL.	1-1/2"	3/4"	3"	AO SMITH	BTH-120	28" X 56"	60	929	120/1	STORAGE WATER HEATER, GAS	> 75,000 BTU/H < 155,00 BTH/H	< 4,000 BTU/H/GAL	80 PERCENT EFFICIENCY	HEATERS TO INCLUDE: LOW PROFILE CONCENTRIC VENT KIT; ALARM BELL; CONDENSATE NEUTRALIZATION KIT.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

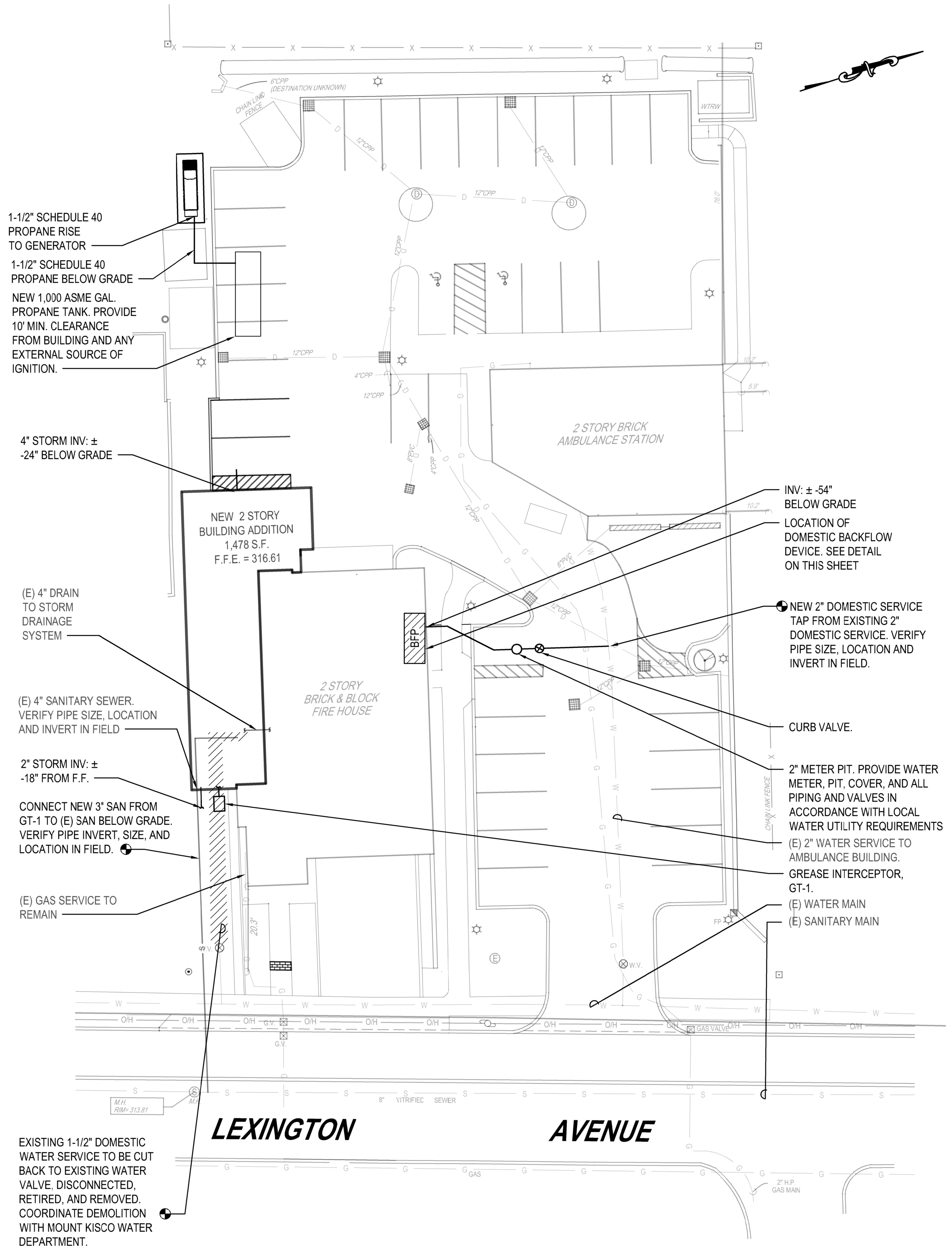
PLUMBING SCHEDULES

DRAWING No.

P 002.00

C:\Users\kescarmaman\Documents\MKIV1803_Central19_M_kescarmaman.rvt

12/15/2021 11:03:59 AM



1 Plumbing Site Plan
SCALE: 1" = 20'

PROJECT LOCATION

Key Map
SCALE: NTS

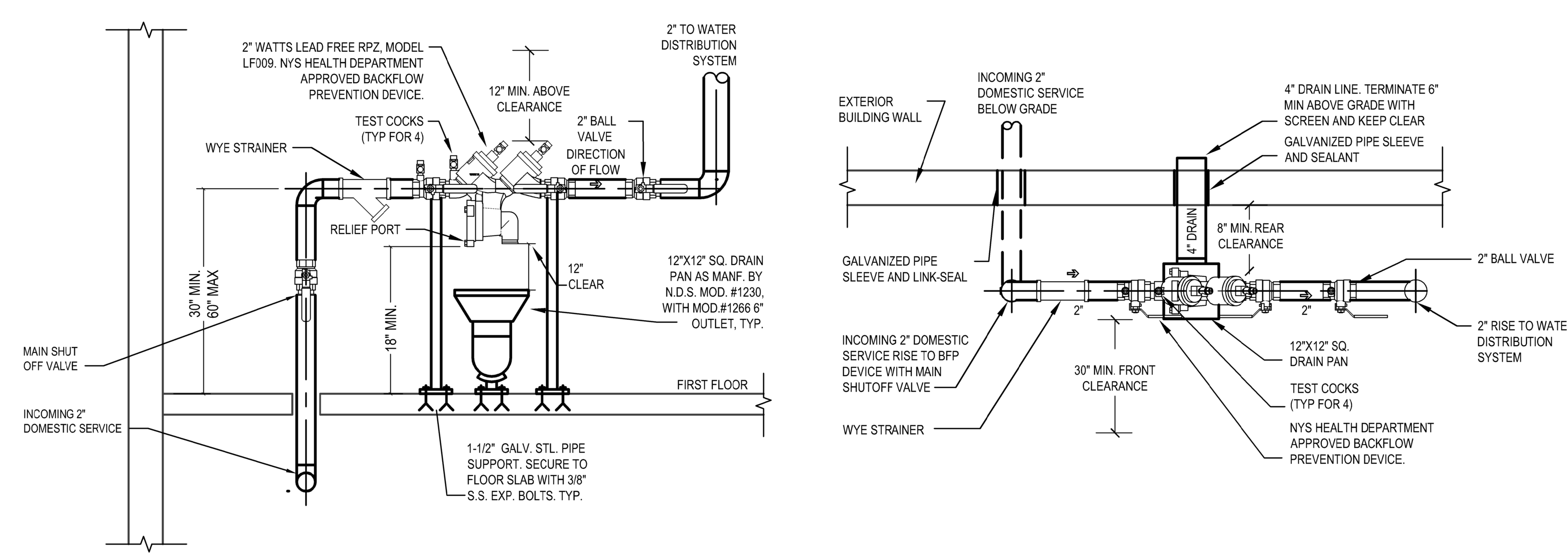
TAX NUMBER			
DISTRICT 0100	SECTION 80	BLOCK 05	LOT 48

DOMESTIC WATER SERVICE BACKFLOW PREVENTION DEVICE GENERAL NOTES:

1. INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE COUNTY DEPARTMENT OF HEALTH SERVICES, NEW YORK STATE HEALTH DEPARTMENT REGULATIONS, AND VILLAGE OF MT. KISCO WATER DEPARTMENT REGULATIONS.
2. ALL CONNECTIONS ON THE WATER SERVICE SHALL BE DOWNSTREAM FROM THE BACKFLOW PREVENTION DEVICE. BYPASSING OF A BACKFLOW PREVENTION DEVICE IS A VIOLATION OF NEW YORK STATE HEALTH DEPARTMENT RULES AND REGULATIONS.
3. THE CONTRACTOR SHALL ENGAGE A CERTIFIED BACKFLOW PREVENTION DEVICE TESTER TO TEST THE BACKFLOW PREVENTION DEVICE AFTER INSTALLATION. IT IS THE OWNER'S RESPONSIBILITY TO HAVE EACH DEVICE CERTIFIED AT LEAST ANNUALLY WITH RESULTS REPORTED TO MT. KISCO AND TO THE COUNTY DEPARTMENT OF HEALTH ON NY STATE FORM GEN 215. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELATED TESTING AND APPLICATION FEES.
4. SHUT-OFF VALVES ON DOMESTIC WATER SERVICE BFP DEVICE SHALL BE NRS GATE VALVES AND SHALL BE SAME MANUFACTURER AS BFP DEVICE.
5. TEST COCKS ON THE BFP DEVICE SHALL BE POSITIONED TO FACILITATE TESTING WITH 30" MINIMUM CLEARANCE.
6. BACKFLOW DEVICES MAY NOT BE MODIFIED IN ANY WAY DURING INSTALLATION
7. DOMESTIC WATER LINE TO BE COPPER AND SHALL HAVE A MINIMUM OF 4'-6" OF COVER.
8. PIPING SHALL BE UN-BRANCHED AND UNRESTRICTED FROM THE SUPPLY MAIN TO THE DEVICE, EXCEPT FOR THE METER ON THE DOMESTIC SERVICE.
9. CONTRACTOR SHALL PROVIDE APPROPRIATE FLOOR/WALL SUPPORTS FOR ALL DEVICES AND PIPING. ALL SUPPORTS/HANGERS/CLAMPS SHALL BE GALVANIZED STEEL.
10. BACKFLOW DEVICES SHALL BE APPROVED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
11. THE ROOM WHERE THE DEVICES ARE LOCATED SHALL BE HEATED AND SHALL HAVE LIGHTING.
12. WHERE THE DISTANCE BETWEEN THE WATER METER AND DEVICE IS GREATER THAN 10'-0", ALL EXPOSED PIPING MUST BE LABELED EVERY 5'-0" DISPLAYING THE WORDS "FEED TO BACKFLOW PREVENTER, DO NOT TAP."
13. DEVICE MAY NOT BE INSTALLED HIGHER THAN 5'-0" ABOVE THE FLOOR OR A FIXED PLATFORM IS REQUIRED.
14. WATER SERVICE LINES TO HAVE A MINIMUM CLEARANCE OF 10'-0" FROM ANY OTHER UTILITIES, UTILITY POLES, TREES, ETC.
15. COORDINTE INSTALLATION OF NEW WATER SERVICE AND METER PIT WITH AMBULANCE COMPANY

SERVICE FEE NOTE:

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED TAP, PERMIT AND METER FEES FOR WATER SERVICES.



2 Domestic Service BFP Device Detail
SCALE: NTS

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL"

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No.:	DATE:	SCALE:
MKIV 1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

MOUNT KISCO NEW YORK

322 LEXINGTON AVENUE
MOUNT KISCO, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
PLUMBING SITE PLAN

DRAWING No.
PS 100.00

PLUMBING DEMOLITION NOTES

GENERAL

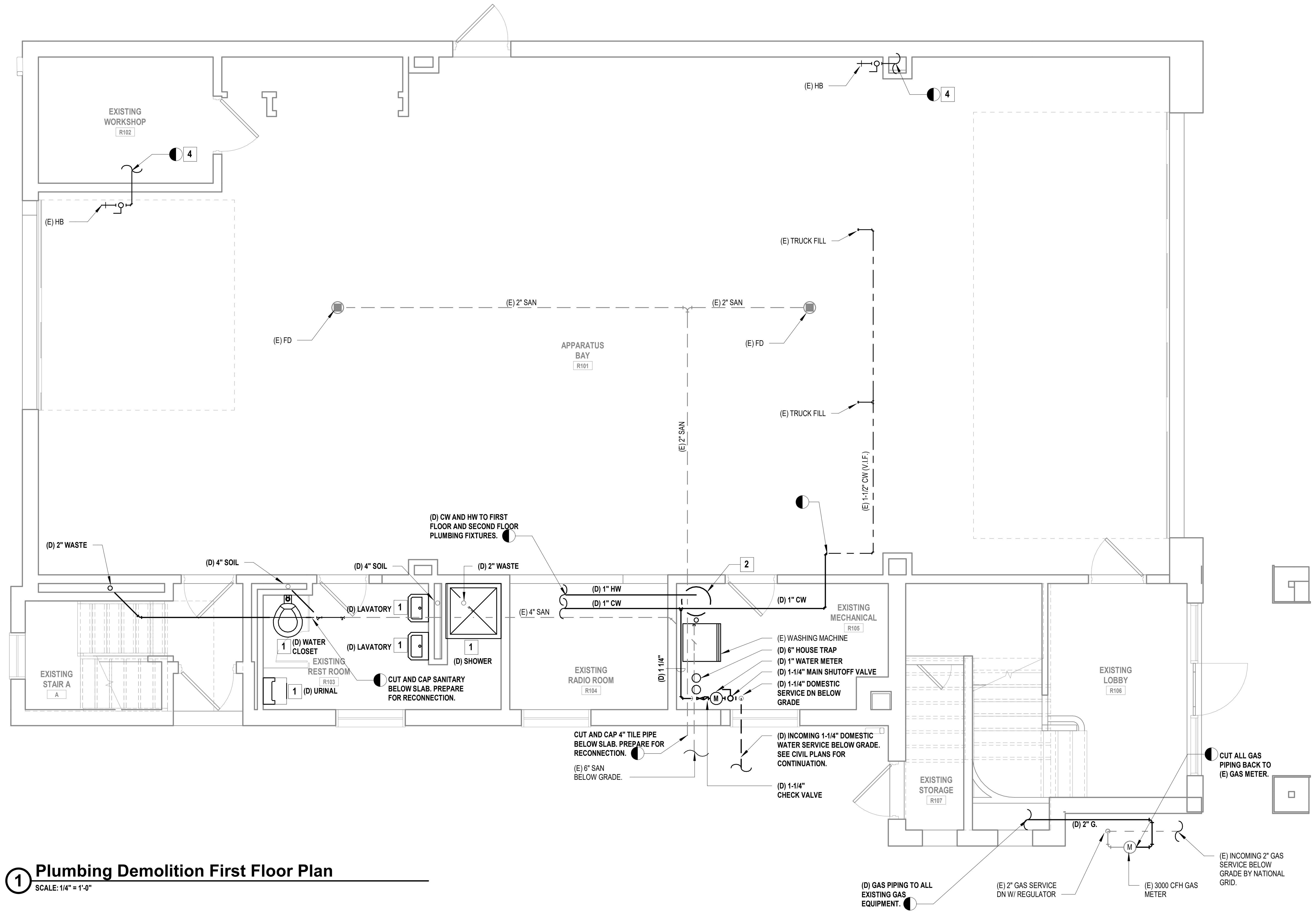
1. PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
2. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
3. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

SCOPE OF WORK

1. DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING MANAGEMENT.
2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
3. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT.
4. ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLUMBING (AS WELL AS ELECTRICAL, MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING MATERIALS CONFORMING TO STANDARDS OF THIS CONTRACT.
5. REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW CONSTRUCTION.
6. REMOVE BASE BUILDING PIPING AS INDICATED BELOW:
   6.1. REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS.
7. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.

X KEYED PLUMBING DEMOLITION NOTES

1. COMPLETELY REMOVE AND DISPOSE OF ALL PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, URINALS, FAUCETS, FLOOR DRAINS, CLEAN OUT DECK PLATES, STOP VALVES AND ALL DEVICES USED TO SECURE THESE FIXTURES IN PLACE. WORK SHALL INCLUDE THE REMOVAL OF EXISTING SUPPORT CARRIERS AND TO CUT AND CAP ALL PLUMBING PIPING AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE ACCESS INTO WALLS, CHASES, AND SOFFITS TO ENSURE REMOVAL. UPON INSTALLATION OF NEW FIXTURES, CARRIERS, AND PIPING, THE CONTRACTOR SHALL PATCH ALL ACCESS AREAS AND PREPARE SURFACES FOR NEW FINISHES.
   1.1 PRIOR TO THE REMOVALS OF FIXTURES, THE CONTRACTOR SHALL MAKE ALL NECESSARY DISCONNECTS. WORK SHALL INCLUDE SANITARY, HW, CW, HWR AND VENT PIPING. THE CONTRACTORS SHALL SHUT WATER OFF TO THE FIXTURES AND REPLACE ANY DAMAGED VALVES.
   1.2 REMOVE AND DISPOSE OF ALL PIPING DEEMED OBSOLETE, INCLUDING WATER DISTRIBUTION, SANITARY, VENT, HANGERS, SUPPORTS, STRAPS, FITTINGS, VALVES AND ALL DEVICES USED TO SECURE THEIR PIPING/FITTINGS IN PLACE.
   1.3 SEAL ALL PIPING PENETRATIONS AND INSTALL FIRE-STOPPING IN ALL RATED WALLS, FLOORS, SOFFITS ETC. OPENINGS LARGER THAN 1.5x THE DIAMETER OF THE PIPING PASSING THROUGH SHALL BE SEALED WITH NON-SHRINK EPOXY GROUT.
   1.4 FLUSH AND SNAKE ALL SANITARY/WASTE LINES INCLUDING FLOOR DRAINS AND CLEANOUTS BACK TO THEIR ASSOCIATED RISERS PRIOR TO THE START OF THE WORK.
2. WATER HEATER TO BE REMOVED IN ITS ENTIRETY INCLUDING ALL ASSOCIATED PIPING, BRACING, SUPPORTS, AND VALVES.
3. CONTRACTOR TO DISCONNECT ALL PIPING FROM PLUMBING FIXTURES AND COOKING EQUIPMENT AND TURN OVER THE PLUMBING FIXTURES AND COOKING EQUIPMENT TO THE FIRE DEPARTMENT. ALL DOMESTIC, KITCHEN WASTE, SANITARY WASTE, VENT, AND GAS PIPING TO BE REMOVED IN ITS ENTIRETY. NO PIPING, VALVES, FITTINGS OR FIXTURES TO BE REUSED. ALL FIXTURES AND EQUIPMENT SHALL BE MOVED BY THE CONTRACTOR TO A LOCATION IN THE BUILDING DESIGNATED BY THE OWNER
4. CUT AND CAP DOMESTIC COLD WATER LINE TO HOSE BIBB. PREPARE FOR RECONNECTION.



1 Plumbing Demolition First Floor Plan
SCALE: 1/4" = 1'-0"

H2M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		
PROJECT No:	DATE:	SCALE:	
MKIV1803	12/13/2021	AS SHOWN	

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

MOUNT KISCO NEW YORK

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
PLUMBING DEMOLITION FIRST FLOOR PLAN

DRAWING No.
PD 110.00

PLUMBING DEMOLITION NOTES

GENERAL

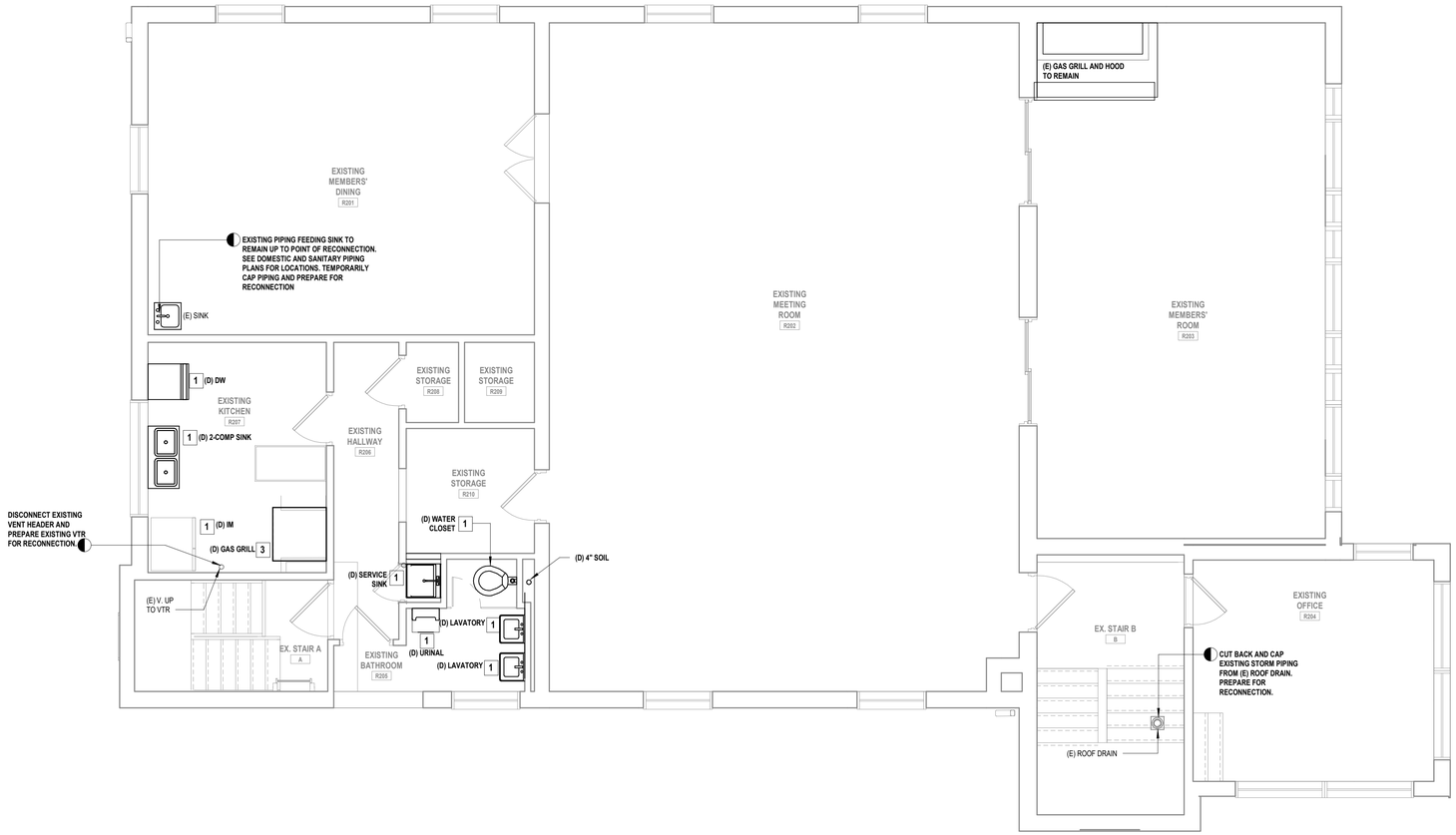
1. PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
2. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
3. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

SCOPE OF WORK

1. DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING MANAGEMENT.
2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
3. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT.
4. ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLUMBING (AS WELL AS ELECTRICAL, MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING MATERIALS CONFORMING TO STANDARDS OF THIS CONTRACT.
5. REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW CONSTRUCTION.
6. REMOVE BASE BUILDING PIPING AS INDICATED BELOW:
   - 6.1. REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS.
7. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
8. COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE TURNED OVER TO THE OWNER.

X KEYED PLUMBING DEMOLITION NOTES

1. COMPLETELY REMOVE AND DISPOSE OF ALL PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, URINALS, FAUCETS, FLOOR DRAINS, CLEAN OUT DECK PLATES, STOP VALVES AND ALL DEVICES USED TO SECURE THESE FIXTURES IN PLACE. WORK SHALL INCLUDE THE REMOVAL OF EXISTING SUPPORT CARRIERS AND TO CUT AND CAP ALL PLUMBING PIPING AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE ACCESS INTO WALLS, CHASES, AND SOFFITS TO ENSURE REMOVAL. UPON INSTALLATION OF NEW FIXTURES, CARRIERS, AND PIPING, THE CONTRACTOR SHALL PATCH ALL ACCESS AREAS AND PREPARE SURFACES FOR NEW FINISHES.
   - 1.1 PRIOR TO THE REMOVALS OF FIXTURES, THE CONTRACTOR SHALL MAKE ALL NECESSARY DISCONNECTS. WORK SHALL INCLUDE SANITARY, HW, CW, HWR AND VENT PIPING. THE CONTRACTORS SHALL SHUT WATER OFF TO THE FIXTURES AND REPLACE ANY DAMAGED VALVES.
   - 1.2 REMOVE AND DISPOSE OF ALL PIPING DEEMED OBSOLETE, INCLUDING WATER DISTRIBUTION, SANITARY, VENT, HANGERS, SUPPORTS, STRAPS, FITTINGS, VALVES AND ALL DEVICES USED TO SECURE THEIR PIPING/FITTINGS IN PLACE.
   - 1.3 SEAL ALL PIPING PENETRATIONS AND INSTALL FIRE-STOPPING IN ALL RATED WALLS, FLOORS, SOFFITS ETC. OPENINGS LARGER THAN 1.5x THE DIAMETER OF THE PIPING PASSING THROUGH SHALL BE SEALED WITH NON-SHRINK EPOXY GROUT.
   - 1.4 FLUSH AND SNAKE ALL SANITARY/WASTE LINES INCLUDING FLOOR DRAINS AND CLEANOUTS BACK TO THEIR ASSOCIATED RISERS PRIOR TO THE START OF THE WORK.
2. WATER HEATER TO BE REMOVED IN ITS ENTIRETY INCLUDING ALL ASSOCIATED PIPING, BRACING, SUPPORTS, AND VALVES.
3. CONTRACTOR TO DISCONNECT ALL PIPING FROM PLUMBING FIXTURES AND COOKING EQUIPMENT AND TURN OVER THE PLUMBING FIXTURES AND COOKING EQUIPMENT TO THE FIRE DEPARTMENT. ALL DOMESTIC, KITCHEN WASTE, SANITARY WASTE, VENT, AND GAS PIPING TO BE REMOVED IN ITS ENTIRETY. NO PIPING, VALVES, FITTINGS OR FIXTURES TO BE REUSED. ALL FIXTURES AND EQUIPMENT SHALL BE MOVED BY THE CONTRACTOR TO A LOCATION IN THE BUILDING DESIGNATED BY THE OWNER
4. CUT AND CAP DOMESTIC COLD WATER LINE TO HOSE BIBB. PREPARE FOR RECONNECTION.



1 Plumbing Demolition Second Floor Plan
SCALE: 1/4" = 1'-0"

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		
PROJECT No:	DATE:	SCALE:	
MKIV1803	12/13/2021	AS SHOWN	

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

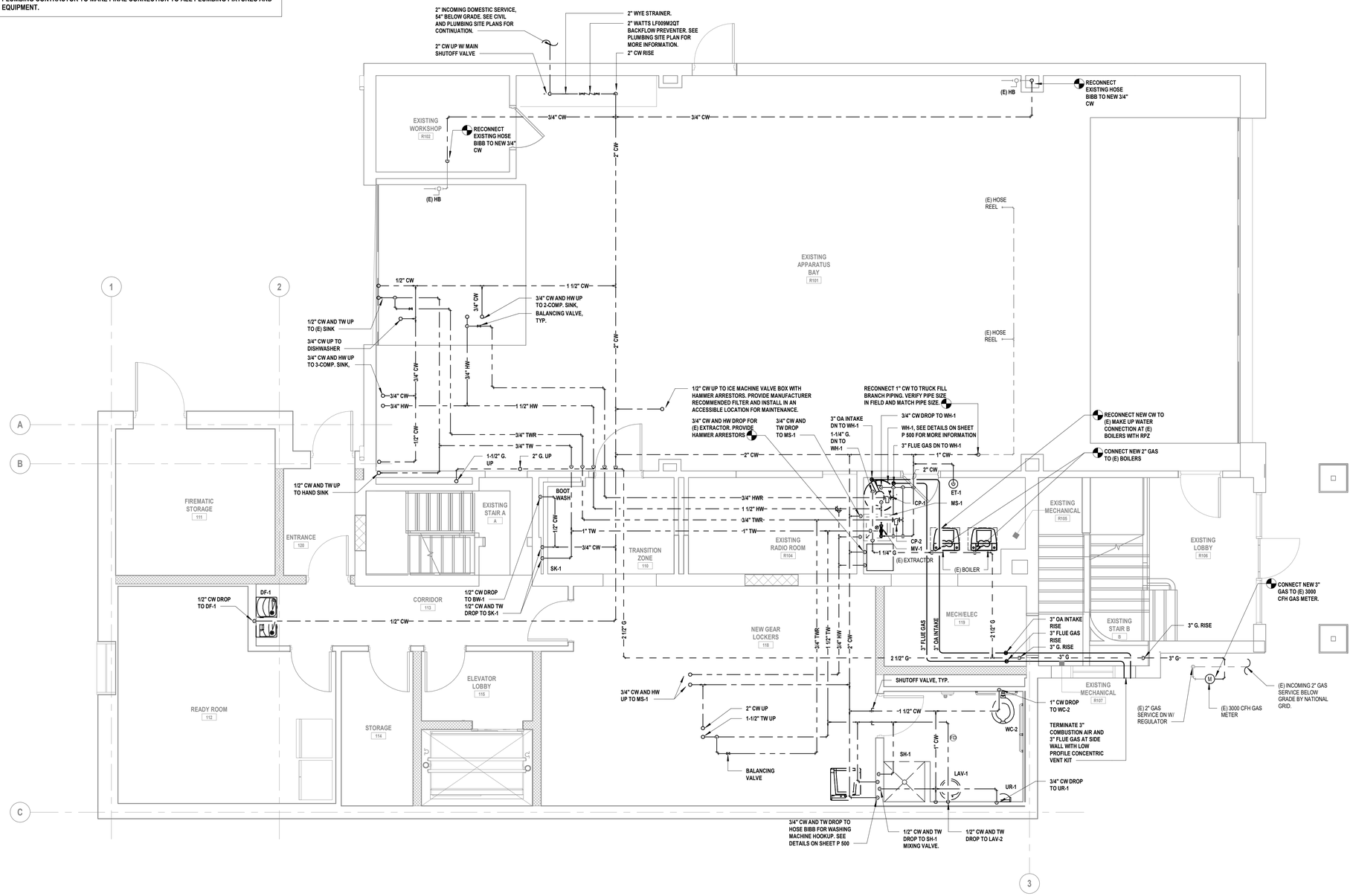
SHEET TITLE
PLUMBING DEMOLITION SECOND FLOOR PLAN

DRAWING No.
PD 111.00

C:\Users\kescarraman\Documents\MKIV1803_Central19_M_Kescarraman.rvt
12/15/2021 11:04:05 AM

GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW PLUMBING FIXTURES.
2. INSULATE ALL NEW WATER PIPING AND RE-INSULATE ALL EXISTING WATER PIPING WHERE INSULATION IS DAMAGED.
3. CHASE WALLS WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.
4. INSTALL NEW SHUT OFF VALVES ON ALL COLD WATER AND HOT WATER BRANCH PIPING ENTERING TOILETS.
5. PROVIDE PIPE IDENTIFICATION ON ALL NEW AND EXISTING PIPING
6. PROVIDE VALVE TAGS ON ALL NEW AND EXISTING VALVES.
7. PLUMBING CONTRACTOR TO MAKE FINAL CONNECTION TO ALL PLUMBING FIXTURES AND EQUIPMENT.



1 **Domestic and Gas First Floor Plumbing Plan**
SCALE: 1/4" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

DOMESTIC WATER AND GAS FIRST FLOOR PLUMBING PLAN

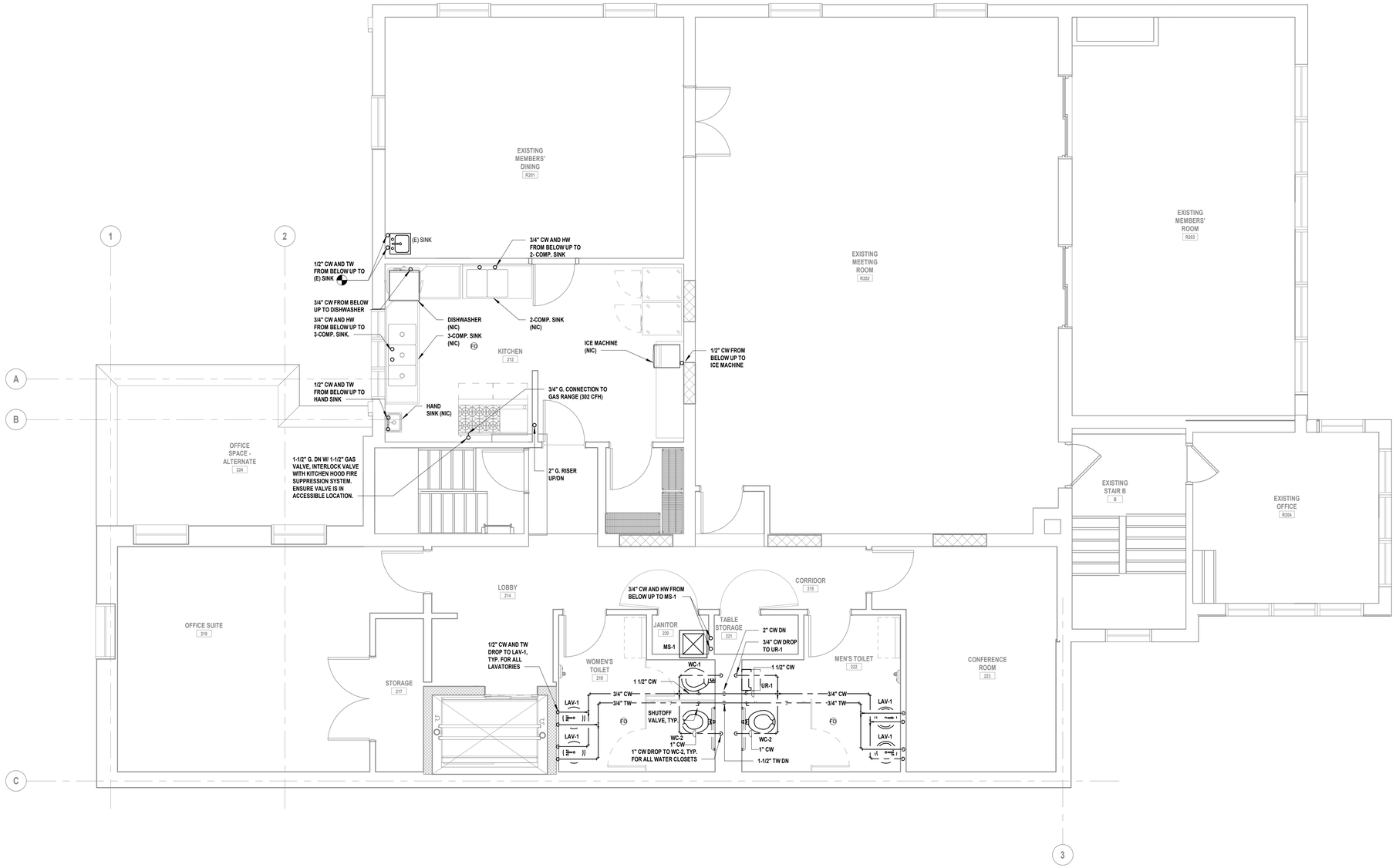
DRAWING No.

P 120.00

C:\Users\kescarraman\Documents\MKIV1803_Central19_M_Kescarraman.rvt
12/15/2021 11:04:00 AM

GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW PLUMBING FIXTURES.
2. INSULATE ALL NEW WATER PIPING AND RE-INSULATE ALL EXISTING WATER PIPING WHERE INSULATION IS DAMAGED.
3. CHASE WALLS WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.
4. INSTALL NEW SHUT OFF VALVES ON ALL COLD WATER AND HOT WATER BRANCH PIPING ENTERING TOILETS.
5. PROVIDE PIPE IDENTIFICATION ON ALL NEW AND EXISTING PIPING
6. PROVIDE VALVE TAGS ON ALL NEW AND EXISTING VALVES.
7. 'M' CONTRACTOR SHALL PURCHASE MECHANICAL GAS SHUTOFF VALVE FROM CAPTIVAIRE. MECHANICAL GAS SHUTOFF VALVE SHALL BE INSTALLED BY 'P' CONTRACTOR.
8. PLUMBING CONTRACTOR TO MAKE FINAL CONNECTION TO ALL PLUMBING FIXTURES AND EQUIPMENT.



1 Domestic and Gas Second Floor Plumbing Plan
SCALE: 1/4" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

DOMESTIC WATER AND GAS SECOND FLOOR PLUMBING PLAN

DRAWING No.

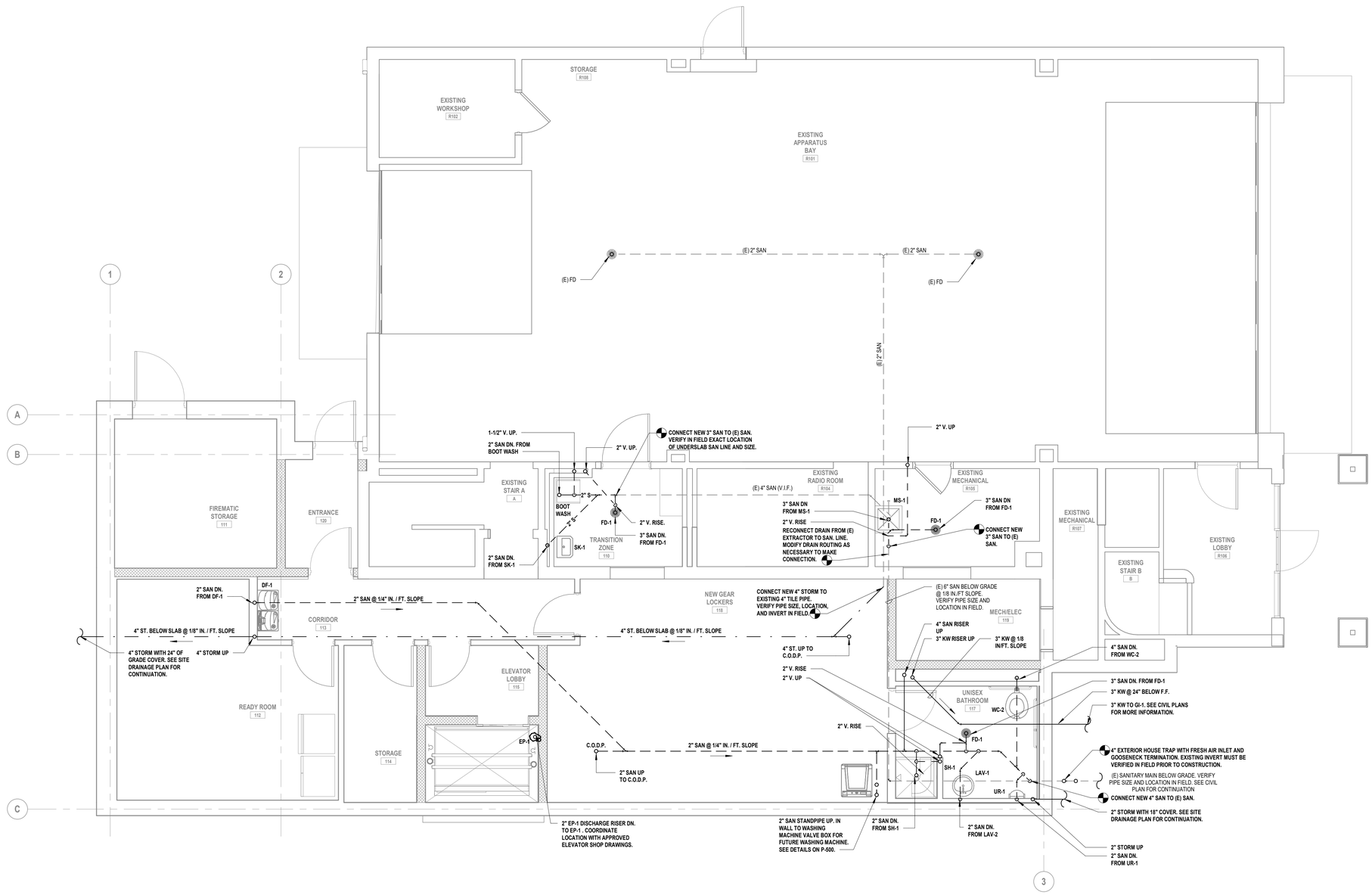
P 121.00

C:\Users\kescarraman\Documents\MKIV1803_Central19_M_Kescarraman.rvt

12/15/2021 11:04:01 AM

GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW PLUMBING FIXTURES.
2. ALL 3" & 4" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/8"/FT. ALL 1-1/2" & 2" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/4"/FT.
3. CHASE WALLS WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.



1 Sanitary, Vent and Storm Underslab Plan
SCALE: 1/4" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

SANITARY, VENT AND STORM UNDERSLAB PLAN

DRAWING No.

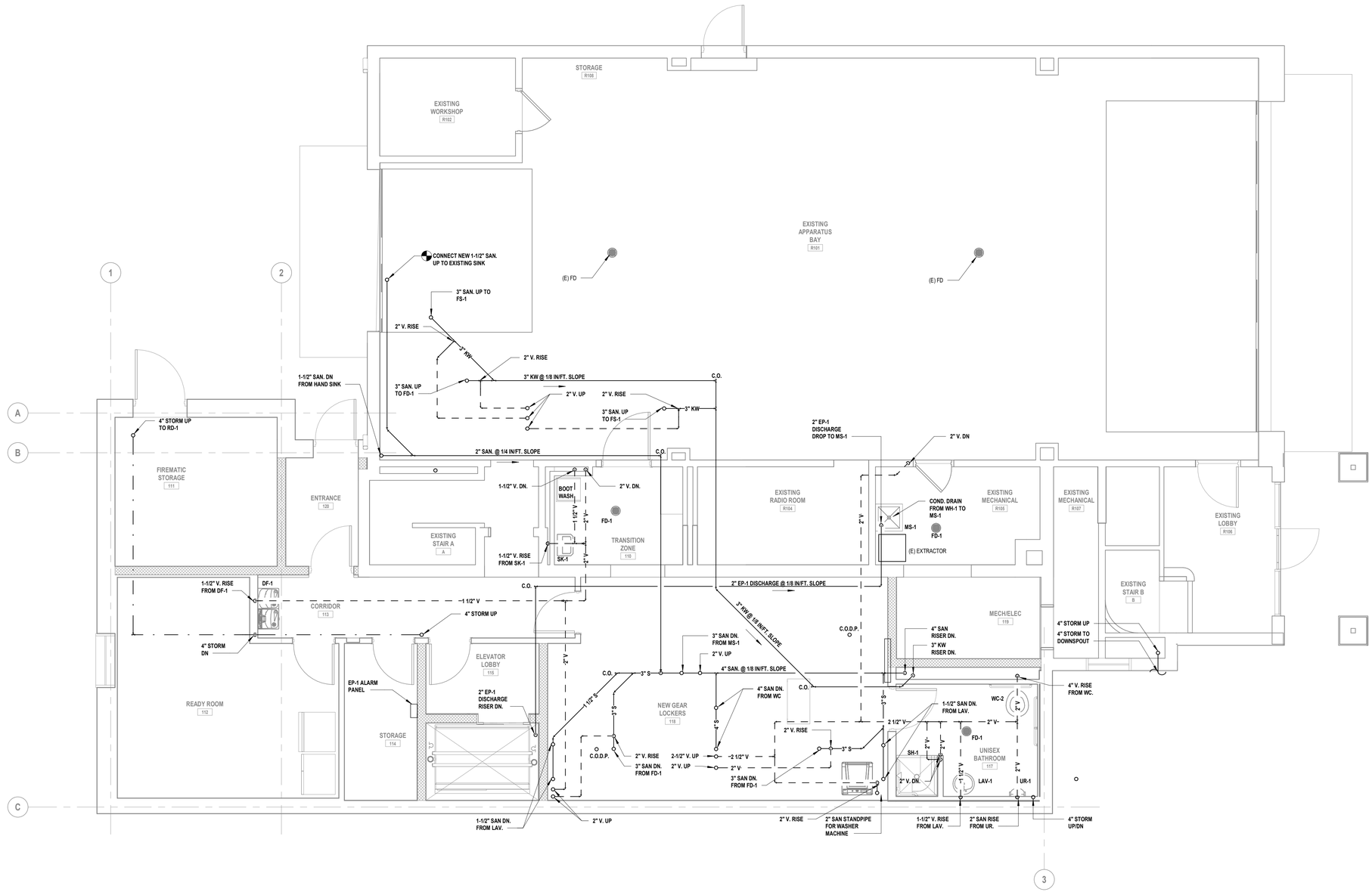
P 130.00

C:\Users\kescarnaman\Documents\MKIV1803_Central19_M_kescarnaman.rvt

12/15/2021 11:04:01 AM

GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW PLUMBING FIXTURES.
2. ALL 3" & 4" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/8"/FT. ALL 1-1/2" & 2" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/4"/FT.
3. CHASE WALLS WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.



2 Sanitary, Vent and Storm First Floor Plan
SCALE: 1/4" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

SANITARY, VENT & STORM FIRST FLOOR PLAN

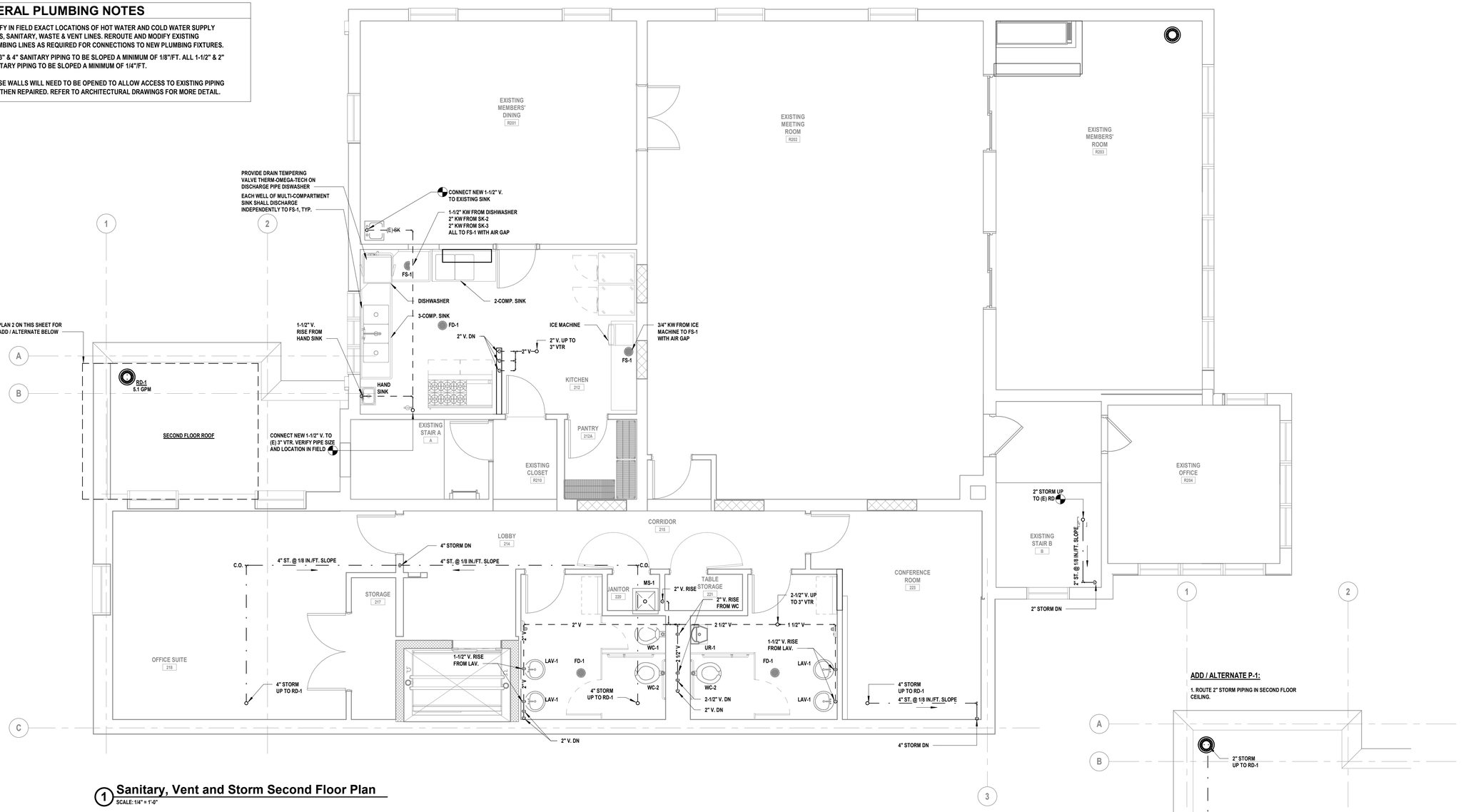
DRAWING No.

P 131.00

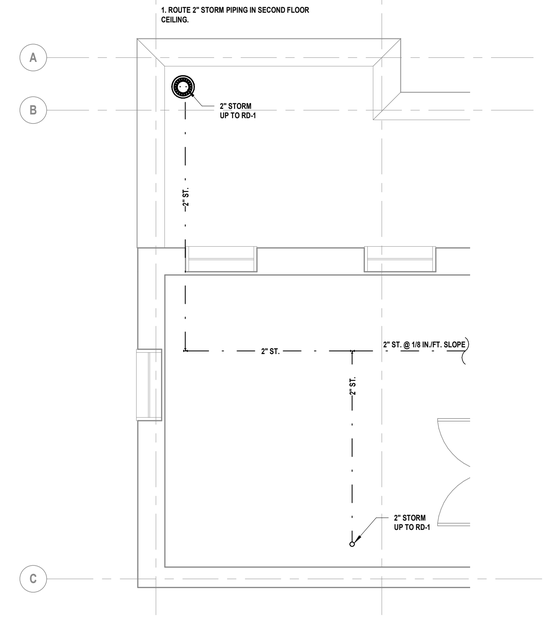
C:\Users\kescarraman\Documents\MKIV1803_Central19_M_kescarraman.rvt
12/15/2021 11:04:02 AM

GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW PLUMBING FIXTURES.
2. ALL 3" & 4" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/8"/FT. ALL 1-1/2" & 2" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/4"/FT.
3. CHASE WALLS WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.



1 Sanitary, Vent and Storm Second Floor Plan
SCALE: 1/4" = 1'-0"



2 Sanitary, Vent and Storm Second Floor Plan ADD/ALT
SCALE: 1/4" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		
PROJECT No:	DATE:	SCALE:	
MKIV1803	12/13/2021	AS SHOWN	

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

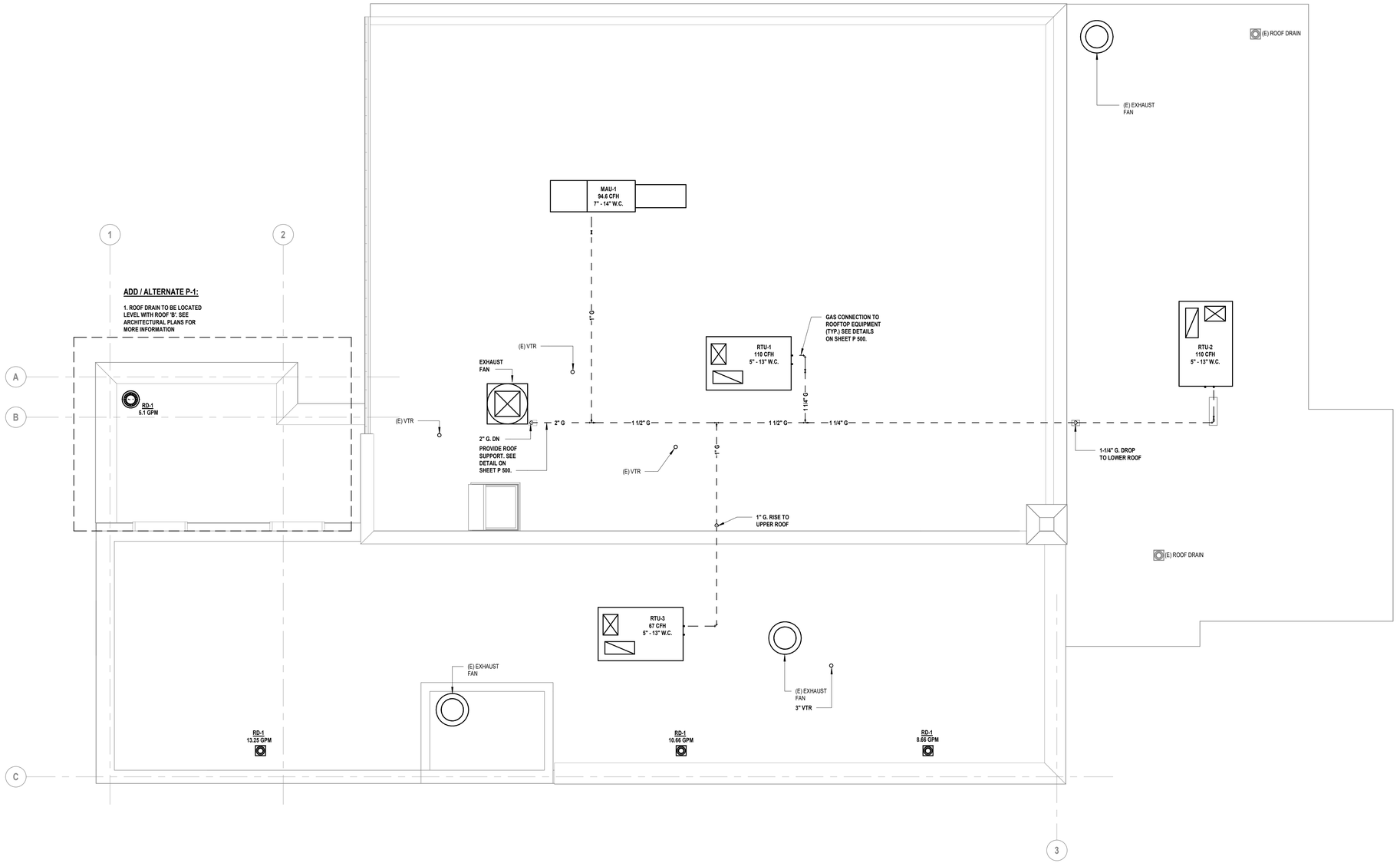
SHEET TITLE

SANITARY, VENT AND STORM SECOND FLOOR PLAN

DRAWING No.

P 132.00

C:\Users\kescarraman\Documents\MKIV1803_Central19_M_Kescarraman.rvt
12/15/2021 11:04:03 AM



1 Plumbing Roof Plan

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

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

PLUMBING ROOF PLAN

DRAWING No.

P 140.00

C:\Users\kescarraman\Documents\MKIV1803_Central19_M_kescarraman.rvt

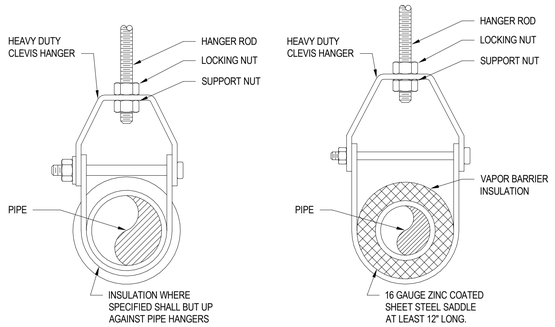
12/15/2021 11:04:04 AM

HANGER SPACING

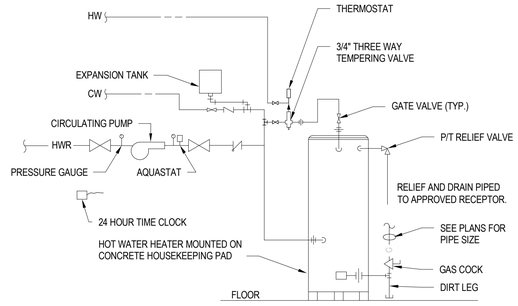
PIPING MATERIAL	MAX. HORIZONTAL (FT)	MAX. VERTICAL (FT)
ABS PIPE	4	10
ALUMINUM TUBING	10	15
BRASS PIPE	10	10
CAST-IRON PIPE	5	15
COPPER OR COPPER ALLOY PIPE	12	10
COPPER OR COPPER ALLOY PIPE 1¼"Ø OR SMALLER	6	10
COPPER OR COPPER ALLOY PIPE 1½"Ø OR LARGER	10	10
PEX	2.67	10
CPVC 1" OR SMALLER	3	10
CPVC 1-1/4" OR LARGER	4	10
STEEL PIPE	12	15
POLYETHYLENE /ALUMINUM/ POLYETHYLENE	2.67	4
PVC PIPE	4	10
STAINLESS STEEL DRAINAGE	10	10

HANGER ROD SCHEDULE

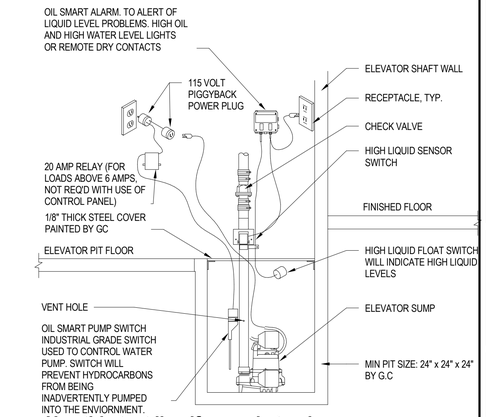
PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA.	4" THRU 5"	5/8" DIA.
2 1/2" THRU 3"	1/2" DIA		



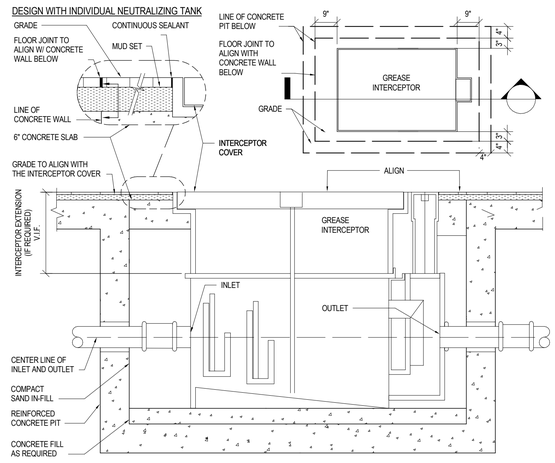
1 Pipe Hanger Detail
SCALE: NTS



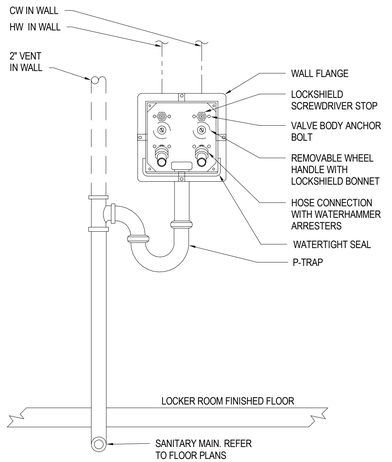
2 Domestic Hot Water Heater Piping With HWR Detail
SCALE: NTS



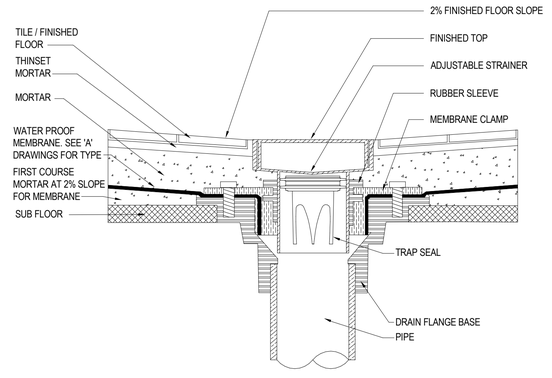
Use this text line if name is too long Elevator Oil Smart Pump Detail
SCALE: NTS



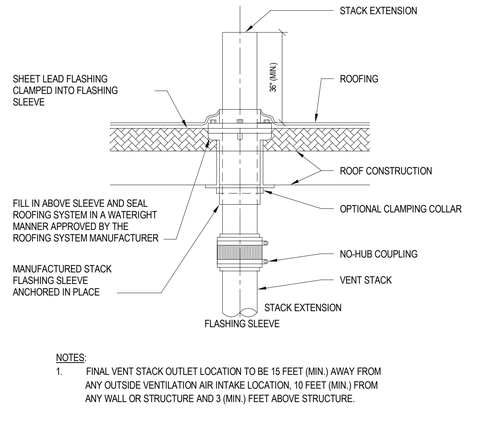
4 Grease Interceptor Pit Plan and Section
SCALE: NTS



5 Washing Machine Supply And Drain Box
SCALE: NTS

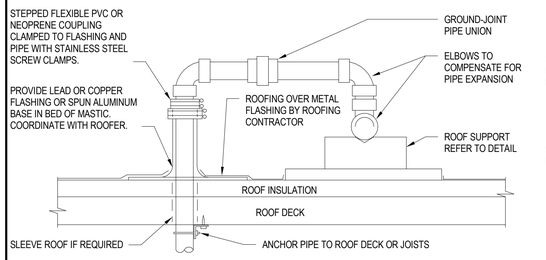


6 Floor Drain Detail
SCALE: NTS



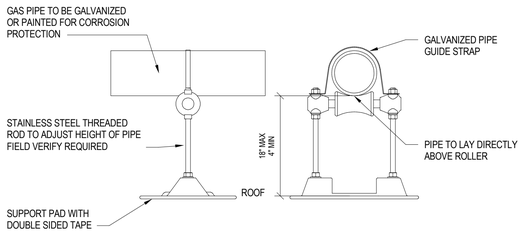
NOTES:
1. FINAL VENT STACK OUTLET LOCATION TO BE 15 FEET (MIN.) AWAY FROM ANY OUTSIDE VENTILATION AIR INTAKE LOCATION, 10 FEET (MIN.) FROM ANY WALL OR STRUCTURE AND 3 (MIN.) FEET ABOVE STRUCTURE.

7 Vent Through Roof
SCALE: NTS



REFER TO PLANS FOR PIPE SIZE(S) AND LOCATION(S). USE WELDED OR SCREWED FITTINGS AS SPECIFIED FOR PIPE SIZE. LOCATE PENETRATION MINIMUM 18" FROM ADJACENT WALLS.

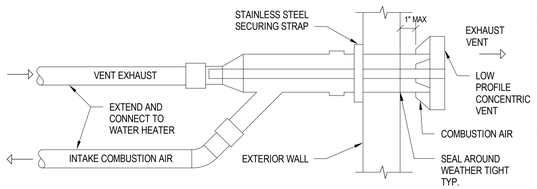
8 Roof Piping Penetration Detail
SCALE: NTS



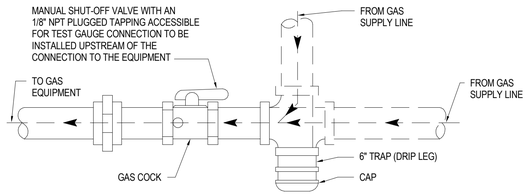
SUPPORT OF GAS PIPING

SIZE OF PIPE (IN.)	SPACING OF SUPPORTS (FT.)
1/2	6
3/4 OR 1	8
1-1/4 OR LARGER	10

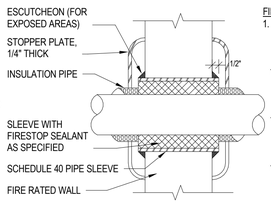
9 Roof Pipe Support Detail
SCALE: NTS



10 Water Heater Sidewall Direct Vent Termination Detail
SCALE: NTS

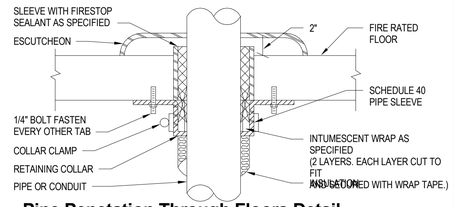


11 Typical Gas Connection Detail
SCALE: NTS



FIRE STOPPING NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT PENETRATIONS ARE PROPERLY FIRE STOPPED WITH THE FOLLOWING.
   - 1.A. THE FIRE STOPPING SYSTEM AND COMPONENTS SHALL BE AS MANUFACTURED BY 3M. NO SUBSTITUTIONS SHALL BE PERMITTED.
   - 1.B. METAL PIPES OR CONDUIT THROUGH BLOCK WALL SHALL USE UL SYSTEM NO. CAJ1044 AND 3M PRODUCT CP25 WB & CAULK
   - 1.C. METAL PIPES THROUGH GYPSUM WALLS SHALL USE UL SYSTEM NO. WL 1001 AND 3M PRODUCT CP 25 WB & CAULK

12 Pipe Penetrations Through Fire Rated Walls
SCALE: NTS



13 Pipe Penetation Through Floors Detail
SCALE: NTS

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

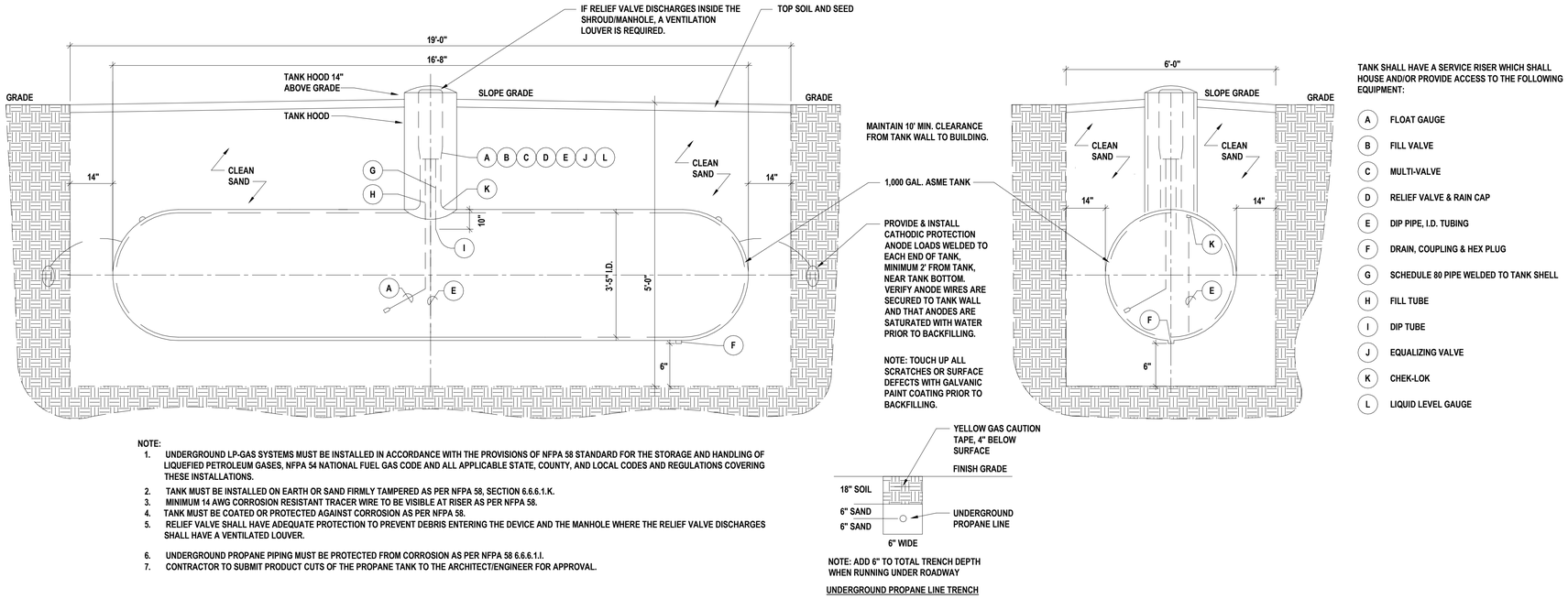
STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
PLUMBING DETAILS I

DRAWING No.
P 500.00

C:\Users\kescarnman\Documents\MKIV1803_Central19_M_Kescarnman.rvt

12/15/2021 11:04:04 AM



NOTE:

1. UNDERGROUND LP-GAS SYSTEMS MUST BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF NFPA 58 STANDARD FOR THE STORAGE AND HANDLING OF LIQUEFIED PETROLEUM GASES, NFPA 54 NATIONAL FUEL GAS CODE AND ALL APPLICABLE STATE, COUNTY, AND LOCAL CODES AND REGULATIONS COVERING THESE INSTALLATIONS.
2. TANK MUST BE INSTALLED ON EARTH OR SAND FIRMLY TAMPERED AS PER NFPA 58, SECTION 6.6.6.1.K.
3. MINIMUM 14 AWG CORROSION RESISTANT TRACER WIRE TO BE VISIBLE AT RISER AS PER NFPA 58.
4. TANK MUST BE COATED OR PROTECTED AGAINST CORROSION AS PER NFPA 58.
5. RELIEF VALVE SHALL HAVE ADEQUATE PROTECTION TO PREVENT DEBRIS ENTERING THE DEVICE AND THE MANHOLE WHERE THE RELIEF VALVE DISCHARGES SHALL HAVE A VENTILATED LOUVER.
6. UNDERGROUND PROPANE PIPING MUST BE PROTECTED FROM CORROSION AS PER NFPA 58 6.6.6.1.I.
7. CONTRACTOR TO SUBMIT PRODUCT CUTS OF THE PROPANE TANK TO THE ARCHITECT/ENGINEER FOR APPROVAL.

NOTE: ADD 6" TO TOTAL TRENCH DEPTH WHEN RUNNING UNDER ROADWAY

UNDERGROUND PROPANE LINE TRENCH

14 Propane Tank Schematic
SCALE: NTS

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

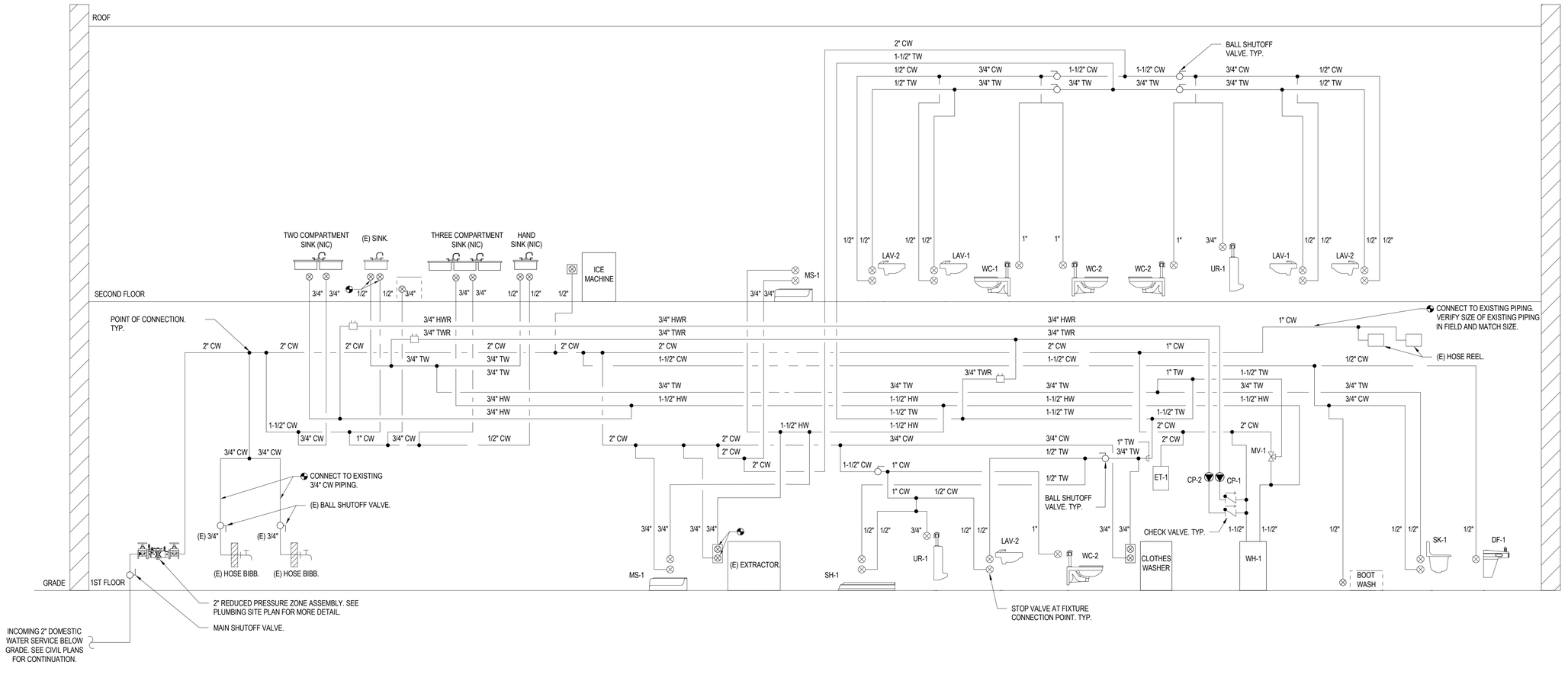
PLUMBING DETAILS II

DRAWING No.

P 501.00

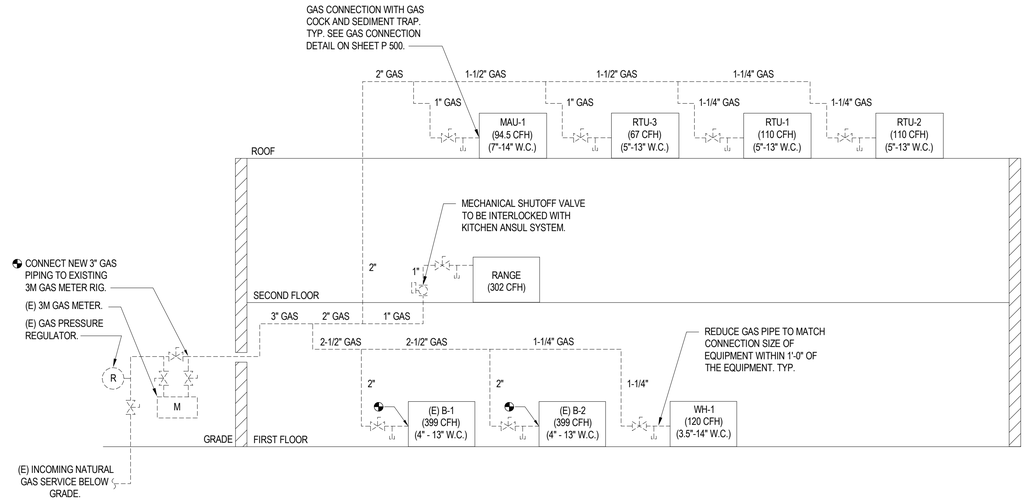
C:\Users\kescarnman\Documents\MKIV1803_Central19_M_Kescarnman.rvt

12/15/2021 11:04:04 AM



1 Domestic Water Riser Diagram

SCALE: N.T.S.



2 Gas Riser Diagram

SCALE: N.T.S.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

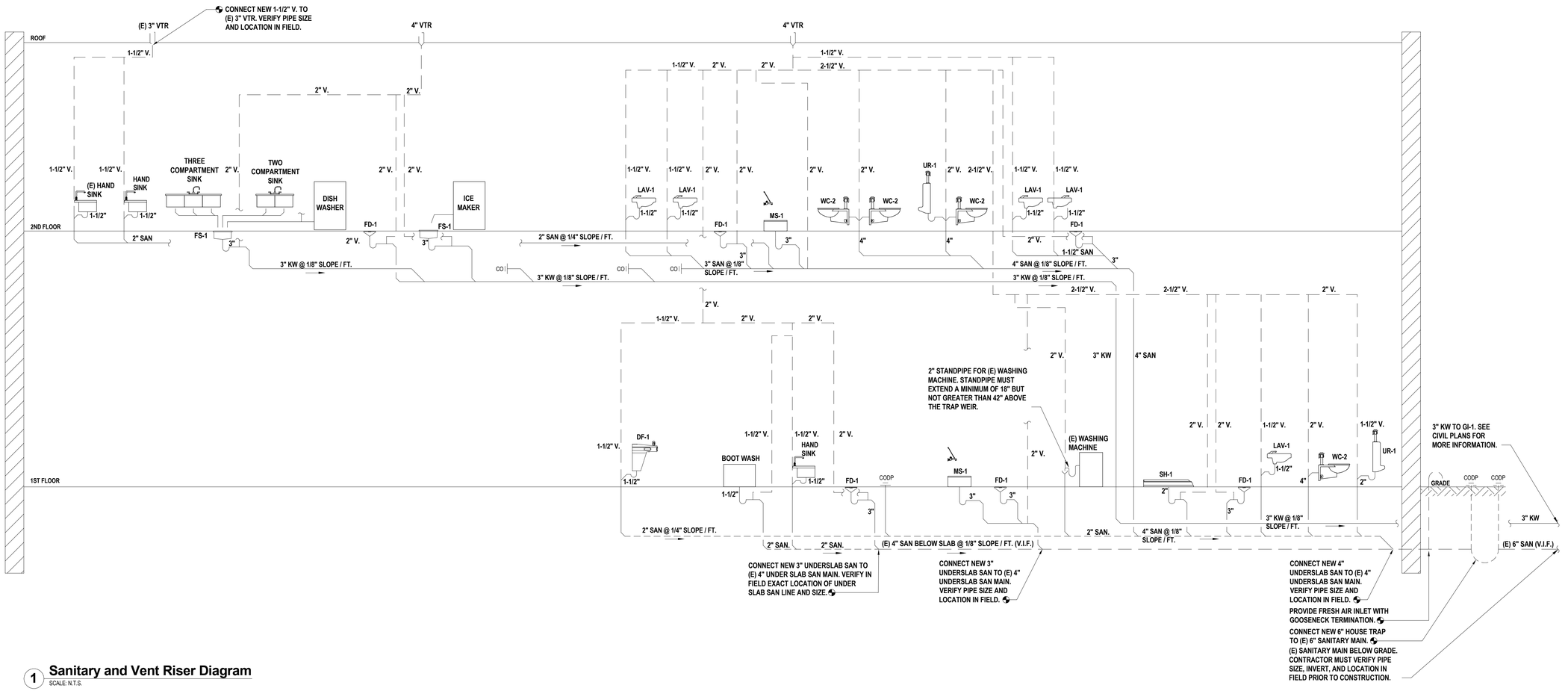
DOMESTIC WATER AND GAS RISER DIAGRAM

DRAWING No.

P 600.00

C:\Users\kescarraman\Documents\MKIV1803_Central19_M_kescarraman.rvt

12/15/2021 11:04:04 AM



1 Sanitary and Vent Riser Diagram
SCALE: N.T.S.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

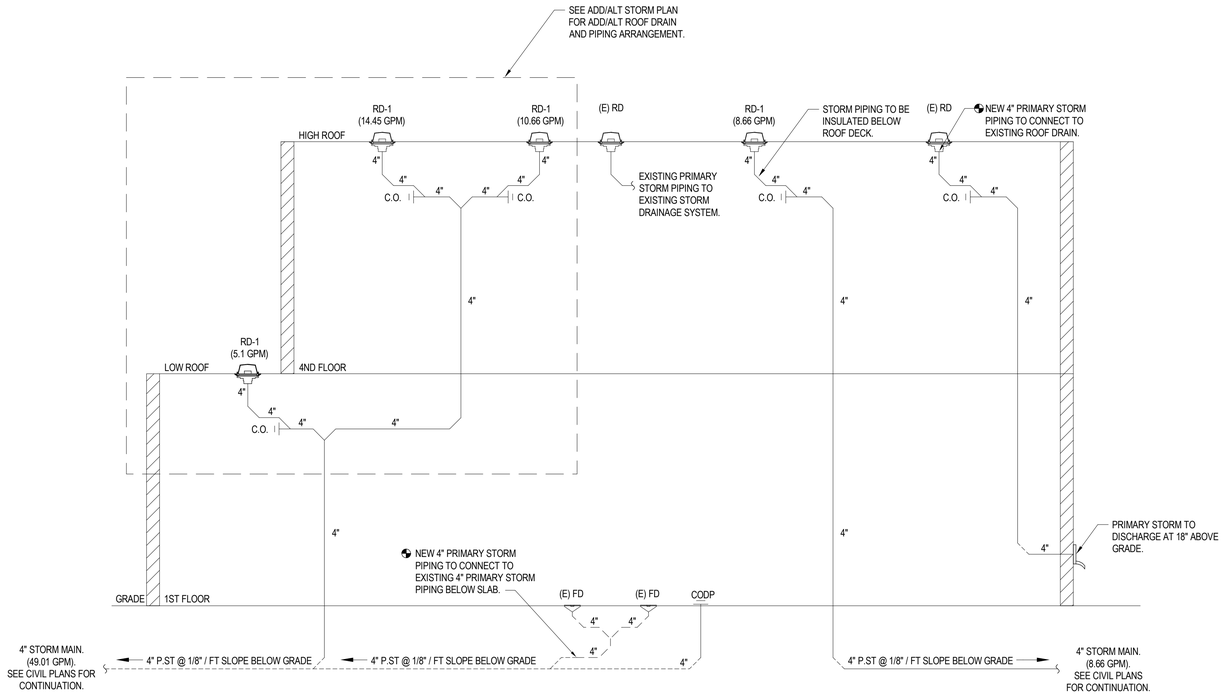
SHEET TITLE

SANITARY AND VENT RISER DIAGRAM

DRAWING No.

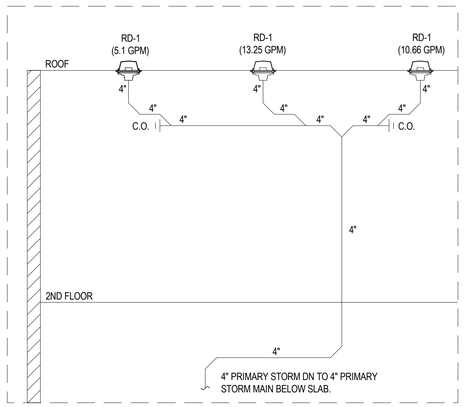
P 601.00

C:\Users\kescarraman\Documents\MKIV1803_Central19_M_kescarraman.rvt
12/15/2021 11:04:05 AM



1 Storm Riser Diagram

SCALE: N.T.S.



2 Storm Riser Diagram ADD/ALT

SCALE: N.T.S.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

STORM RISER DIAGRAM

DRAWING No.

P 602.00

C:\Users\kescarraman\Documents\MKIV1803_Central19_M_Kescarraman.rvt

12/15/2021 11:04:05 AM

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BCU	BUILDING CONTROL UNIT
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
COMM.	COMMUNICATION
CV	CONTROL VALVE
(D)	DEMOLISHED
DB	DRY BULB
DCV	DEMAND CONTROLLED VENTILATION
DEG. F	DEGREES FAHRENHEIT
DIA	DIAMETER
DX	DIRECT EXPANSION
"E"	ELECTRICAL CONTRACTOR
(E)	EXISTING
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATING
ESP	EXTERNAL STATIC PRESSURE
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FT. H2O	FEET OF WATER
'G'	GENERAL CONSTRUCTION CONTRACT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HEIGHT
'H'	HVAC CONTRACT
HP	HORSEPOWER
IN.	INCHES
IN. W.C.	INCHES WATER COLUMN (WATER GUAGE)
KW	KILOWATTS
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LCD	LIQUID CRYSTAL DISPLAY
LDB	LEAVING DRY BULB TEMPERATURE
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
M	METER
MAX	MAXIMUM
MBH	1,000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MFA	MANUFACTURER
N.C.	NORMALLY CLOSED
N.O	NORMALLY OPEN
NFPA	NATIONAL FIRE PROTECTION AGENCY
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OAI	OUTSIDE AIR INTAKE
OD	OUTSIDE DIAMETER
OED	OPEN ENDED DUCT
'P'	PLUMBING CONTRACT
PD	PRESSURE DROP
PSIG	LBS / PER SQUARE INCH (GUAGE PRESSURE)
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATING
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
W	WIDTH
WB	WET BULB
WMS	WIRE MESH SCREEN

DUCTWORK LEGEND

SYMBOL	ABBREV	DESCRIPTION
		NEW DUCTWORK WITH 45 DEGREE TAKE OFF
	VD	VOLUME DAMPER
	CD	ROUND SUPPLY CEILING DIFFUSER
	SEE AIR DEVICE SCHEDULE	SIDEWALL SUPPLY, RETURN OR EXHAUST
	SEE AIR DEVICE SCHEDULE	SQUARE SUPPLY CEILING DIFFUSER
	SEE AIR DEVICE SCHEDULE	CEILING RETURN OR EXHAUST GRILLE
		FLEX DUCT
	FC	FLEXIBLE CONNECTION
		TURNING VANES
		RECTANGULAR TO ROUND TRANSITION
	AL	ACOUSTICAL LINING
		END CAP
	SEE AIR DEVICE SCHEDULE	SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)
		SUPPLY DUCT DROP
		RETURN/EXHAUST DUCT DROP
		SUPPLY DUCT RISE
		RETURN/EXHAUST DUCT RISE
CM RAL D WP S	DSD	DUCT SMOKE DETECTOR (SUPPLY)
CM RAL D WP R	DSD	DUCT SMOKE DETECTOR (RETURN)
M	MD	MOTORIZED DAMPER WITH ACTUATOR
	FD/AD	FIRE DAMPER WITH ACCESS DOOR
	FSD/AD	FIRE SMOKE DAMPER WITH ACCESS DOOR
		WORK TO BE REMOVED
		POINT OF DISCONNECTION FROM EXISTING
		POINT OF RECONNECTION TO EXISTING

CONTROLS LEGEND

SYMBOL	ABBREV	DESCRIPTION
C		CARBON MONOXIDE SENSOR
T		THERMOSTAT
S		DIGITAL TEMPERATURE SENSOR
H		HUMIDITY SENSOR
C2		CARBON DIOXIDE SENSOR

PIPING LEGEND

SYMBOL	ABBREV	DESCRIPTION
		NEW WORK
		PIPING DOWN/ PIPING UP
		BALL VALVE WITH HOSE END CONNECTION
	TH	THERMOMETER
	U	UNION
	FPC	FLEXIBLE PIPE CONNECTION/ FLEX PIPE
		DIRECTION OF FLOW
	PSR	PRESSURE SAFETY AND RELIEF VALVE
	PRV	PRESSURE REDUCING VALVE
	BV	BALL VALVE
	BA	BALANCING VALVE
	BFV	BUTTERFLY VALVE
		TEMPERATURE SENSOR WITH THERMOWELL
	GA	GATE VALVE
	GB	GLOBE VALVE
	AV	AUTOMATIC AIR VENT
	CV	2-WAY CONTROL VALVE
	CV	3-WAY CONTROL VALVE
		PLUG VALVE
	STR	STRAINER
	FD	FLOOR DRAIN
S		AIR SEPARATOR
F&T		STEAM TRAPS (INDICATE TYPE)
	CH	CHECK VALVE
	PG	PRESSURE GAUGE WITH GAUGE COCK
	RED	REDUCER
CO	CO	CLEANOUT END CAP
		CAPPED PIPE
		PUMP
		WORK TO BE REMOVED
		POINT OF DISCONNECTION FROM EXISTING
		POINT OF RECONNECTION TO EXISTING
	TDV	TRIPLE DUTY VALVE

GENERAL NOTES:

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.
3. PERFORM ALL WORK IN ACCORDANCE WITH THE PLUMBING CODE, FIRE CODE, MECHANICAL CODE, ENERGY CONSERVATION CONSTRUCTION CODE, AND FUEL GAS CODE OF INTERNATIONAL CODES AND REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
4. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
5. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, DUCTWORK, CONDUIT, ETC. PROVIDE FIRE DAMPERS AND ACCESS DOORS IN ALL OPENINGS IN FIRE RATED FLOORS, PARTITIONS, AND WALLS FOR DUCTWORK AS PER THE MECHANICAL CODE OF NEW YORK STATE. (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED CONSTRUCTION.)
6. DO NOT SCALE DRAWINGS. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS, PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S REQUIREMENTS TO PROVIDE PROPER CLEARANCE FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTOR'S FABRICATED ITEMS SHALL ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
7. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
8. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
9. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
10. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
11. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
12. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
13. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
14. COORDINATE INSTALLATION OF SUPPLY AND RETURN GRILLES WITH INSTALLATION OF FINISHED CEILINGS.
15. COMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS APPLIED.
16. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). PERFORM ALL TESTING, ADJUSTING, AND BALANCING IN ACCORDANCE WITH THE SPECIFICATIONS.
17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
18. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS, AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIR STREAM. PROVIDE TRAP AT CONNECTION, WATER SEAL DEPTH 1 INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY ARCHITECT/ENGINEER.
19. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
20. FURNISH AND INSTALL ALL NECESSARY CONTROL WIRING, CONDUIT, AND ACCESSORIES AS REQUIRED TO PROVIDE FULLY FUNCTIONING SYSTEMS AND SEQUENCES OF OPERATION.
21. FURNISH ALL SLEEVES FOR PIPE AND CONDUIT FLOOR, WALL, PARTITION, AND ROOF PENETRATIONS FOR INSTALLATION BY THIS CONTRACT.
22. REMOVE CHASE ENCLOSURE COVER WHEN PERFORMING WORK IN ANY CHASE, AND REINSTALL THE CHASE ENCLOSURE COVER WHEN WORK IS COMPLETE.
23. PERFORM ALL CUTTING AND ROUGH PATCHING AS REQUIRED IN THE EXECUTION OF THE WORK. FINISH PATCHING AND FLASHING IS PART OF THIS CONTRACT.

LEGENDS/ABBREVIATIONS NOTES

ABBREVIATIONS AND SYMBOLS ON THIS SHEET DO NOT DEFINE THE SCOPE OF WORK.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
Designer	Author		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

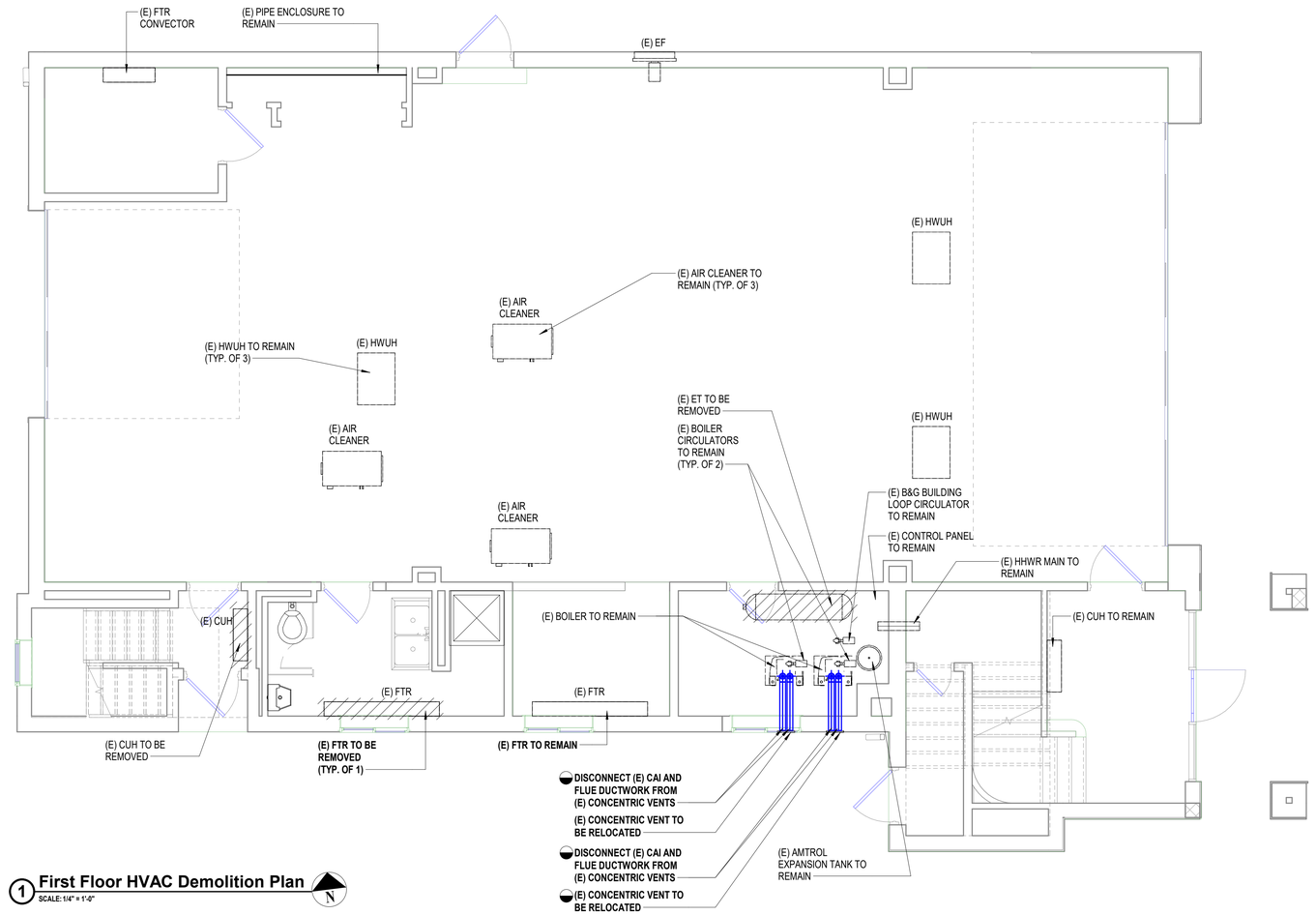
GENERAL HVAC NOTES, LEGENDS, AND ABBREVIATIONS

DRAWING No.

M 001

C:\Users\costwald\Documents\MKIV1803_Central19_M_costwald.rvt

12/16/2021 9:29:01



1 **First Floor HVAC Demolition Plan**
SCALE: 1/4" = 1'-0"

GENERAL MECHANICAL DEMOLITION NOTES:

1. ALL EXISTING EQUIPMENT TO REMAIN, UNLESS OTHERWISE NOTED.
2. UPON REMOVAL OF EXISTING EXPANSION TANK, CUT AND CAP EXISTING ASSOCIATED PIPING.
3. PATCH/WEATHERPROOF ANY EXTERIOR OPENINGS/PENETRATIONS THAT RESULT FROM DEMO SCOPE OF WORK.
4. REMOVE EXISTING FINNNED TUBE RADIATOR(S) & EXISTING CABINET UNIT HEATER(S) IN THEIR ENTIRETY. RE-PIPE EXISTING HHWS AND HHWR PIPING AS NECESSARY TO MAINTAIN HOT WATER LOOP AND SYSTEM FUNCTIONALITY.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

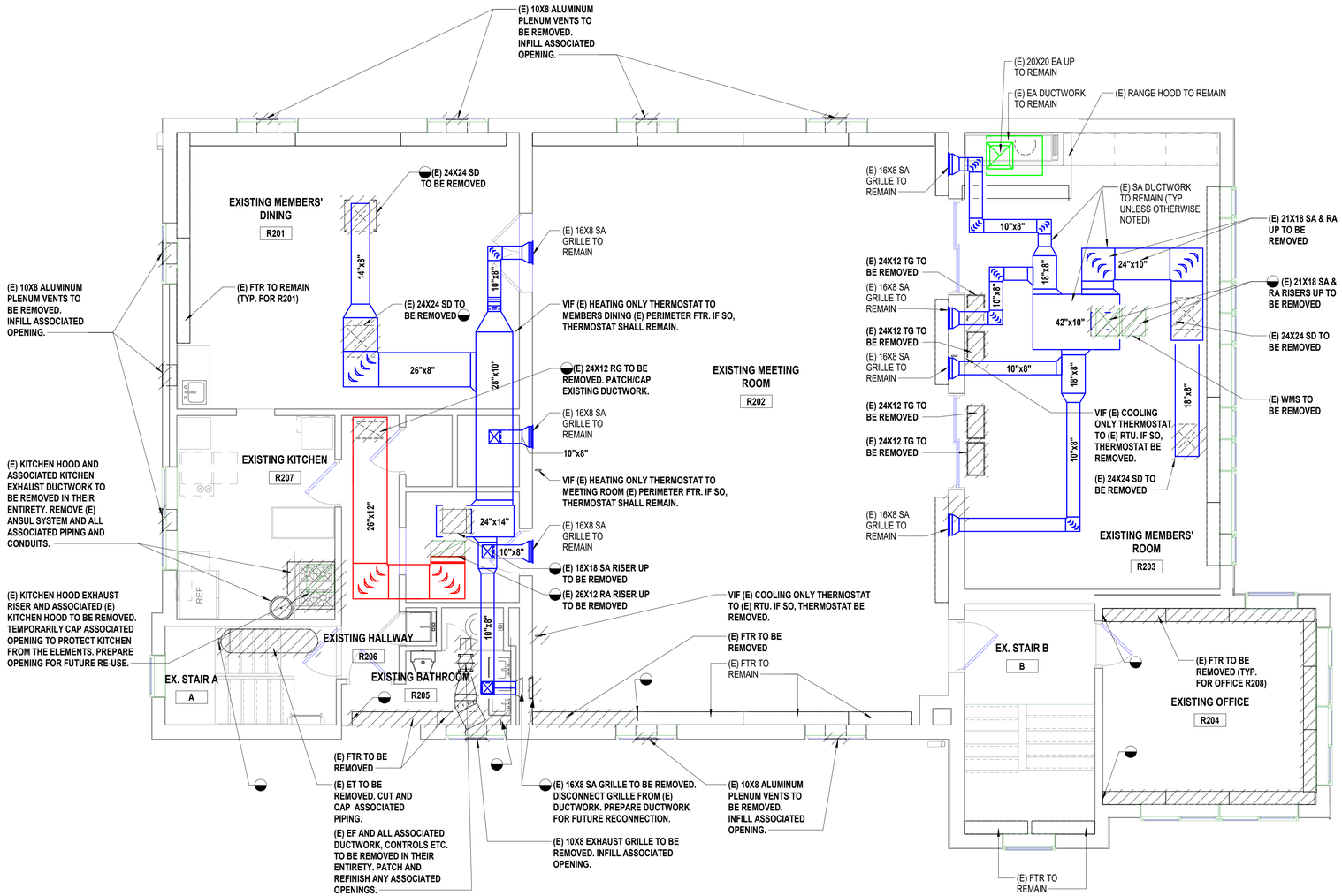
CONTRACT

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
FIRST FLOOR HVAC DEMO PLAN

DRAWING No.
MD111

C:\Users\coolwald\Documents\MKIV1803_Central19_M_coolwald.rvt
12/16/2021 9:29:09



1 **Second Floor HVAC Demolition Plan**
SCALE: 1/4" = 1'-0"

GENERAL MECHANICAL DEMOLITION NOTES:

1. ALL EXISTING EQUIPMENT TO REMAIN, UNLESS OTHERWISE NOTED.
2. UPON REMOVAL OF EXISTING EXPANSION TANK, CUT AND CAP EXISTING ASSOCIATED PIPING.
3. PATCH/WEATHERPROOF ANY EXTERIOR OPENINGS/PENETRATIONS THAT RESULT FROM DEMO SCOPE OF WORK.
4. REMOVE EXISTING FINNNED TUBE RADIATOR(S) AND EXISTING CABINET UNIT HEATERS IN THEIR ENTIRETY. RE-PIPE EXISTING HHWS AND HHWR PIPING AS NECESSARY TO MAINTAIN HOT WATER LOOP AND SYSTEM FUNCTIONALITY.
5. DISCONNECT EXISTING SA&RA RISERS FROM EXISTING SA & RA DUCTWORK MAINS PRIOR TO DEMOLITION. PREPARE EXISTING DUCTWORK MAINS FOR RECONNECTION TO FUTURE RISERS.
6. DISCONNECT EXISTING KITCHEN EXHAUST RISER FROM EXISTING KITCHEN EXHAUST DUCTWORK. THE EXSITING RISER SHALL REMAIN. THE EXISTING MAIN DUCTWORK TO THE HOOD, SHALL BE DEMOLISHED. THE EXISTING KITCHEN HOOD, ANSUL SYSTEM, AND ALL ASSOCIATED CONTROLS SHALL BE REMOVED IN THEIR ENTIRETY. PREPARE EXHAUST RISER FOR FUTURE RECONNECTION TO FUTURE KITCHEN EXHAUST DUCTWORK/HOOD.
7. CONTRACTOR SHALL VERIFY IN FIELD THE FUNCTION/PURPOSE OF ALL EXISTING THERMOSTATS INDICATED, PRIOR TO DEMOLITION.
8. ALL EXISTTING SA & RA DUCTWORK INDICATED IS APPROXIMATE AND MAY NOT ACCURATELY DEPICT THE EXISTING CONDITIONS. EXISTING GYP CELINGS WITH LIMITED TO NO ACCESS HAVE PREVENTED ACCURATE REPRESENTATION OF EXISTING SA & RA DUCTWORK. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING DUCT ROUTING CONDITIONS UPON REMOVAL OF EXISTING CEILINGS, AND SHALL REPORT TO ENGINEER VIA SHOP DRAWINGS, IN CASE ADDITIONAL DESIGN IS NECESSARY.
9. SEE 'A' DRAWINGS FOR INFILL DETAILS.

ASBESTOS ABATEMENT NOTES:

1. EXISTING MEETING ROOM HAS ACM. ABATE ALL ACM AS REQUIRED TO COMPLETE THE SCOPE OF WORK AS INTENDED ON THESE DRAWINGS.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

STATUS

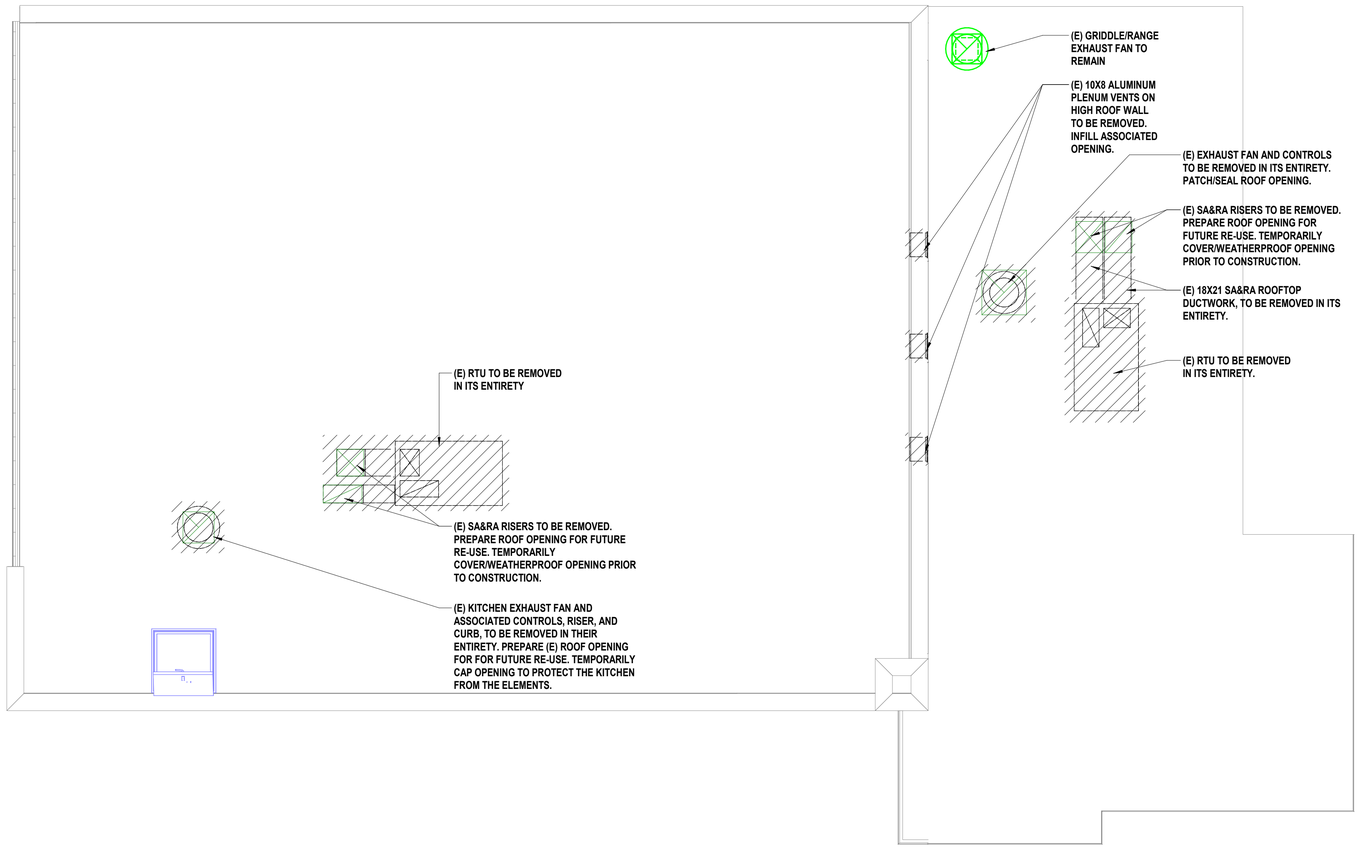
CONSTRUCTION DOCUMENTS

SHEET TITLE

SECOND FLOOR HVAC DEMO PLAN

DRAWING No.

MD112



2 **Roof HVAC Demolition Plan**
SCALE: 1/4" = 1'-0"

GENERAL MECHANICAL DEMOLITION NOTES:

1. ALL EXISTING EQUIPMENT TO REMAIN, UNLESS OTHERWISE NOTED.
2. TEMPORARILY PATCH/WEATHERPROOF ANY EXTERIOR OPENINGS/PENETRATIONS THAT RESULT FROM THE DEMO SCOPE OF WORK, AND ARE INTENDED TO BE RE-USED.
3. PERMANENTLY PATCH/WEATHERPROOF/INFILL ANY EXTERIOR OPENINGS/PENETRATIONS THAT RESULT FROM THE DEMO SCOPE OF WORK, AND ARE NOT INTENDED TO BE RE-USED.
4. SEE 'A' DRAWINGS FOR ALL INFILL DETAILS.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

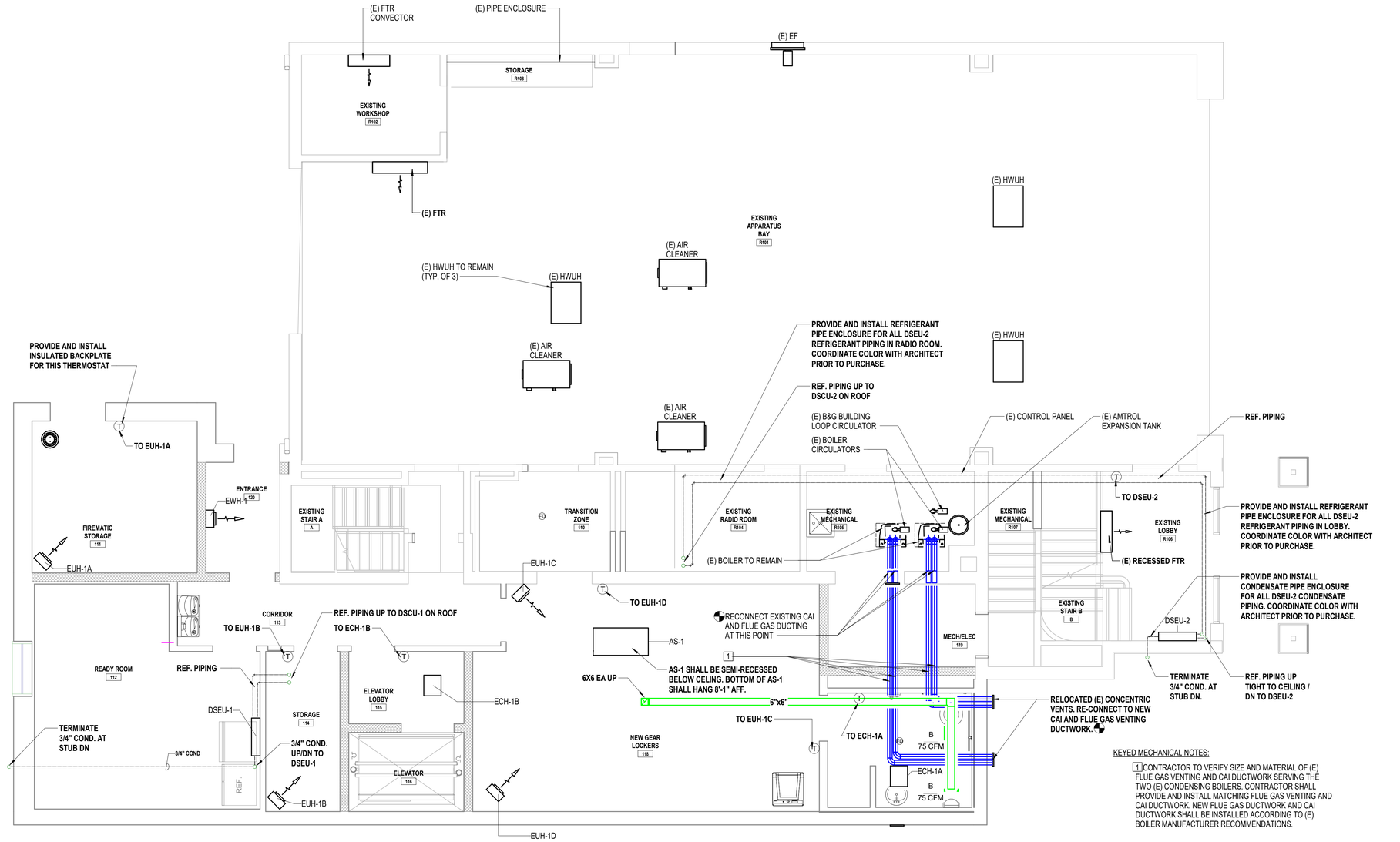
CONTRACT

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
ROOF HVAC DEMO PLAN

DRAWING No.
MD113

C:\Users\coslwald\Documents\MKIV1803_Central19_M_coslwald.rvt
12/16/2021 9:29:11



1 First Floor HVAC Construction Plan

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

KEYED MECHANICAL NOTES:

1 CONTRACTOR TO VERIFY SIZE AND MATERIAL OF (E) FLUE GAS VENTING AND CAI DUCTWORK SERVING THE TWO (E) CONDENSING BOILERS. CONTRACTOR SHALL PROVIDE AND INSTALL MATCHING FLUE GAS VENTING AND CAI DUCTWORK. NEW FLUE GAS DUCTWORK AND CAI DUCTWORK SHALL BE INSTALLED ACCORDING TO (E) BOILER MANUFACTURER RECOMMENDATIONS.

GENERAL MECHANICAL NOTES:

1. SIZE ALL REFRIGERANT PIPING AS PER MANUFACTURER'S INSTALL MANUAL. INSTALL ALL REFRIGERANT PIPING AS PER SPECIFICATIONS.
2. INSTALL AND PITCH ALL CONDENSATE DRAIN PIPING, AS PER SPECIFICATIONS. REFER TO MANUFACTURER'S INSTALL GUIDE, FOR PROPER CONNECTION FROM INDOOR UNIT DRAIN HOSE, TO CONDENSATE MAIN.
3. INSULATE ALL CONDENSATE PIPING, AS PER SPECIFICATONS.

H2M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

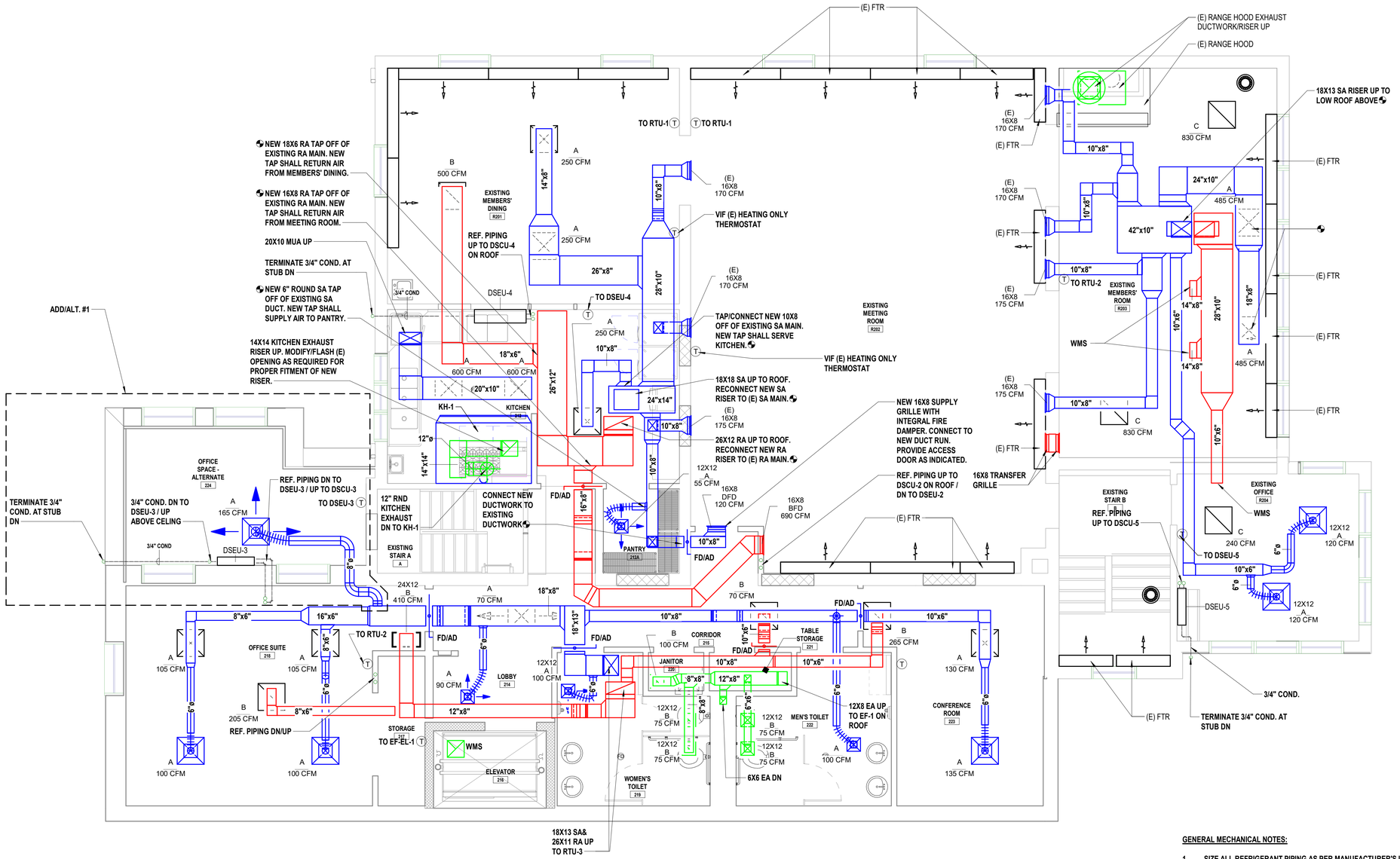
FIRST FLOOR HVAC CONSTRUCTION PLAN

DRAWING No.

M 131

C:\Users\costwald\Documents\MKIV1803_Central19_M_costwald.rvt

12/16/2021 9:29:02



1 **Second Floor Ductwork Plan**
SCALE: 1/4" = 1'-0"

GENERAL MECHANICAL NOTES:

1. SIZE ALL REFRIGERANT PIPING AS PER MANUFACTURER'S INSTALL MANUAL. INSTALL ALL REFRIGERANT PIPING AS PER SPECIFICATIONS.
2. INSTALL AND PITCH ALL CONDENSATE DRAIN PIPING, AS PER SPECIFICATIONS. REFER TO MANUFACTURER'S INSTALL GUIDE, FOR PROPER CONNECTION FROM INDOOR UNIT DRAIN HOSE, TO CONDENSATE MAIN.
3. LOCK OUT ALL EXISTING FINNED TUBE RADIATOR HEAT (EXCEPT IN STAIRWELLS) WHEN NEW RTU'S ARE IN HEATING MODE.
4. CONTRACTOR SHALL PURCHASE MECHANICAL GAS SHUTOFF VALVE FROM CAPTIVAIRE. MECHANICAL GAS SHUTOFF VALVE SHALL BE INSTALLED BY 'P' CONTRACTOR. SEE PLUMBING DRAWINGS FOR FURTHER INSTALLATION INFORMATION.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		
PROJECT No:	DATE:	SCALE:	
MKIV1803	12/13/2021	AS SHOWN	

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

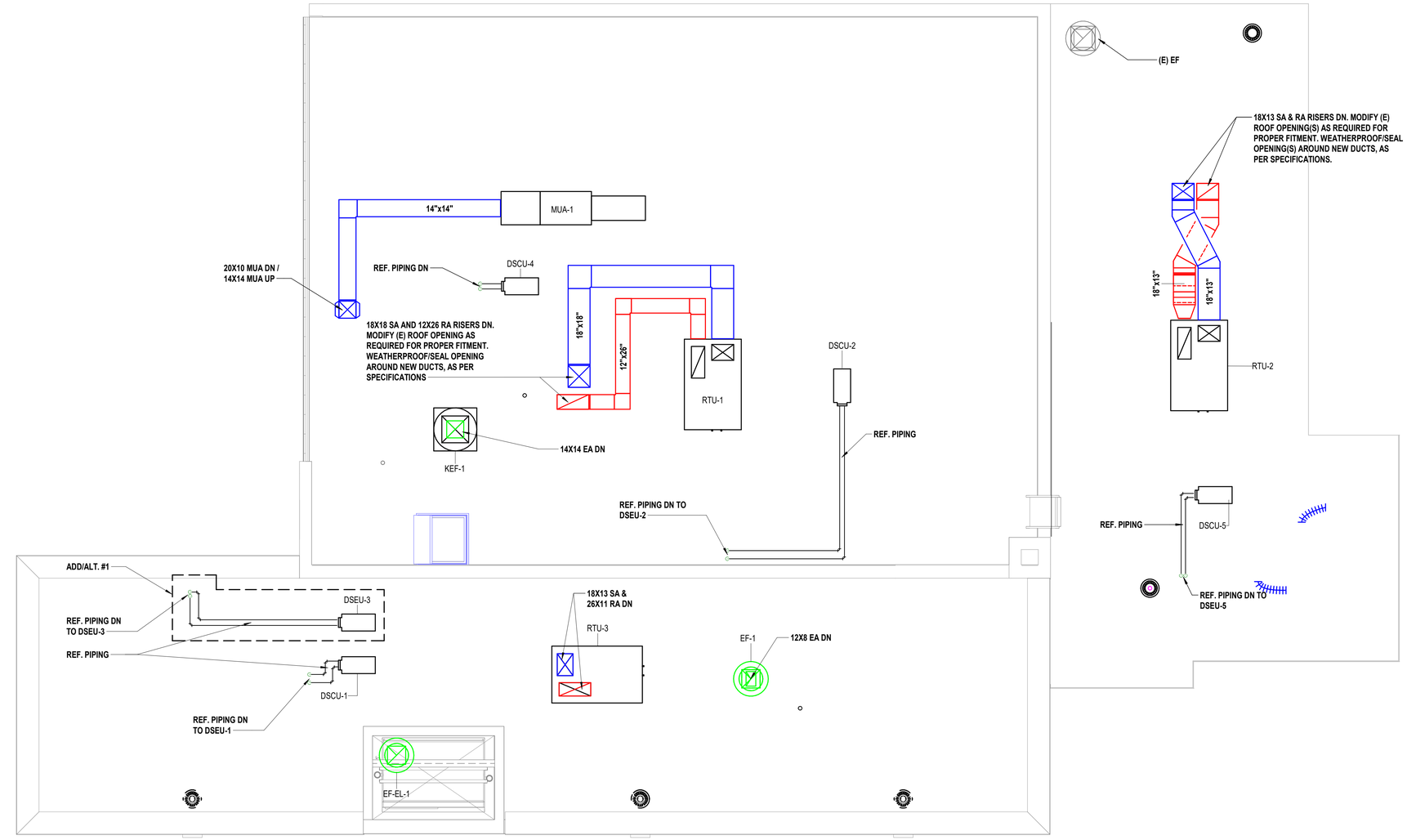
CONTRACT

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
SECOND FLOOR DUCTWORK PLAN

DRAWING No.
M 132

C:\Users\cos\wald\Documents\MKIV1803_Central\19_M_cos\wald.rvt
12/16/2021 9:29:05



1 **Roof Ducwork Plan**
SCALE: 1/4" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

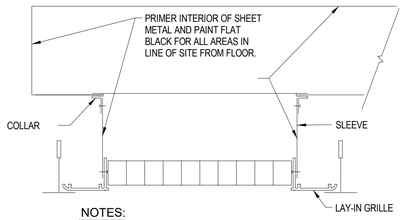
STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
ROOF DUCTWORK PLAN

DRAWING No.
M 133

C:\Users\costwald\Documents\MKIV1803_Central19_M_costwald.rvt

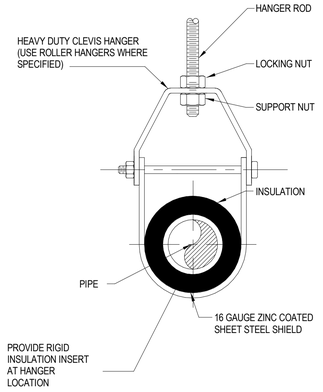
12/16/2021 9:29:06



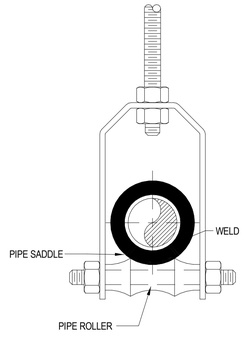
NOTES:

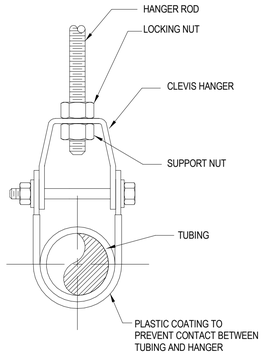
1. PROVIDE A GRILLE WITH A LAY-IN, ALUMINUM FRAME/ BORDER.
2. PROVIDE CONCEALED SCREW HOLES IN NECK.
3. PROVIDE CLINCH LOCK DUCT COLLAR AND TELESCOPIC SLEEVE.
4. SECURE GRILLE FRAME/ TO SLEEVE AND DUCT COLLAR TO SLEEVE.

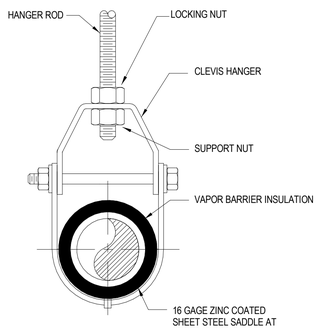
1 DUCTED CEILING GRILLE DETAIL
SCALE: NTS



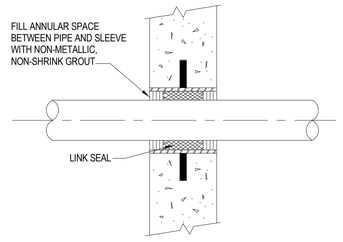
2 STEEL PIPE HANGER DETAILS
SCALE: NTS



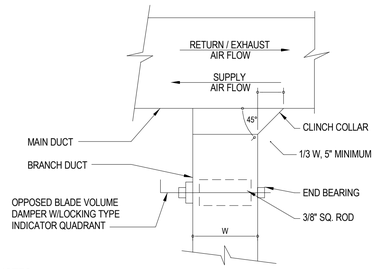




3 COPPER TUBING HANGER DETAILS
SCALE: NTS



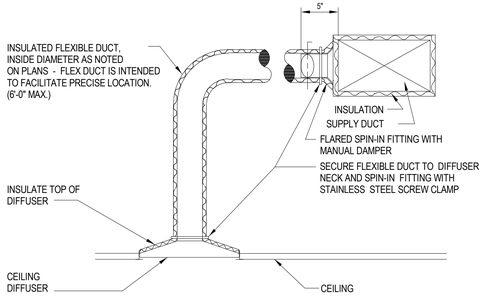
4 DETAIL OF PIPE SLEEVE THRU WALL
SCALE: NTS



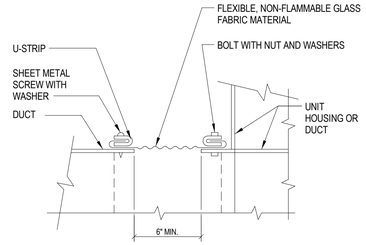
NOTES:

1. FURNISH THIS TYPE OF CONNECTION WHEN SINGLE LINE DUCTWORK IS INDICATED AS SHOWN FOR LOW PRESSURE BRANCHES WITH LESS THAN 33% CAPACITY OF MAIN DUCT.

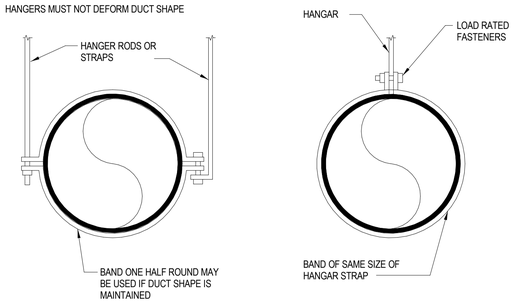
5 DUCT BRANCH TAKEOFF
SCALE: NTS



6 CEILING DIFFUSER CONNECTION
SCALE: NTS



7 FLEXIBLE CONNECTION
SCALE: NTS

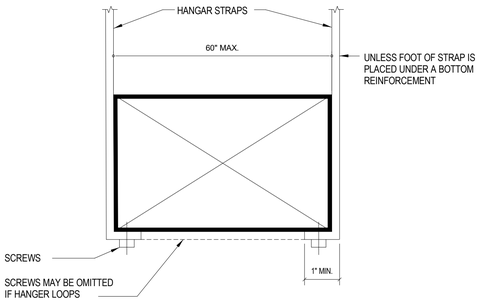


DUCT DIAMETER	BLK. OR GALV. ROD	GALVE STEEL STRAP
TO 10"	1/4"	1" X 22 GA.
11" TO 18"	1/4"	1" X 22 GA.
19" TO 24"	1/4"	1" X 22 GA.

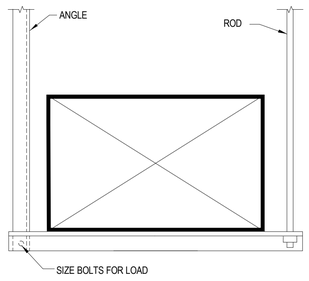
NOTES:

1. PROVIDE SUPPORTS IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS.
2. SPACING 8'-0" ON CENTERS MAX.

8 ROUND DUCT HANGERS
SCALE: NTS



STRAP HANGER
NOT TO SCALE

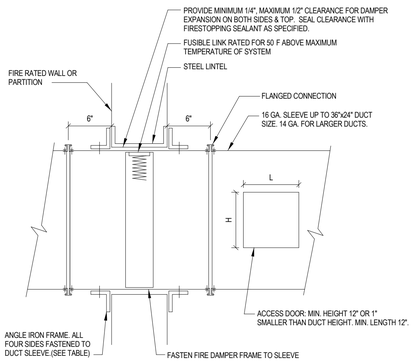


TRAPEZE HANGER
NOT TO SCALE

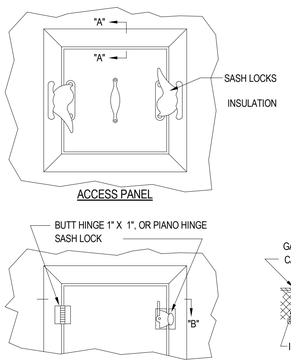
NOTES:

1. PROVIDE SUPPORTS IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS.

9 RECTANGULAR DUCT SUPPORT DETAIL
SCALE: NTS



10 Low Pressure Fire Damper Detail
SCALE: NTS



DOOR SIZE	NO. HINGES	NO. LOCKS	METAL GAGE		
			FRAME	DOOR	BACK
12" X 12"	2	1-S	24	26	26
16" X 20"	2	2-S	22	24	26
24" X 24"	3	2-S	22	22	26

NOTES:

1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
3. PROVIDE ACCESS PANELS ON ALL DUCTWORK INSTALLED ABOVE FINISHED CEILINGS WHERE SPACE LIMITATIONS DO NOT ALLOW HINGED DOORS TO OPEN.

11 LOW PRESSURE 2" W.G. OR LESS ACCESS DOOR & PANEL DETAILS
SCALE: NTS

GENERAL NOTES:

1. FIRE DAMPER TO BE U.L. LABELED N.F.P.A. 90A.
2. N.F.P.A. APPROVED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF FIRE DAMPER FOR APPROVAL, WHICH SHALL MEET N.F.P.A. STANDARD 90A.
3. DETAILS SHOWN ARE FOR FIRE DAMPERS IN HORIZONTAL DUCTWORK. FOR FIRE DAMPERS IN VERTICAL DUCTWORK, DETAILS SIMILAR EXCEPT DAMPERS SHALL BE SPRING LOADED.
4. U.L. APPROVED BREAKAWAY SLIP JOINT CONNECTION MAY BE USED IN LIEU OF FLANGED CONNECTION.
5. ACCESS DOOR IS SHOWN ON SIDE OF DUCT. IF FUSIBLE LINK IS MORE ACCESSIBLE FROM BOTTOM OF DUCT, RELOCATE ACCESS DOOR.
6. FROM FIRST 10'-0" OF FAN DISCHARGE DUCTS AND FOR DUCT SIZES LESS THAN 6" DEEP, FIRE DAMPER BLADES SHALL BE INSTALLED IN POCKET OUTSIDE OF AIR STREAM.

ANGLE IRON TABLE	
WALL OPENING	ANGLE SIZE
UP TO 30"	1"x1"x1/8"
31" TO 54"	1-1/2"x1-1/2"x1/8"
55" TO 84"	3"x2"x3/16"
85" TO 120"	3"x2"x3/16"

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

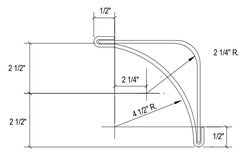
CONTRACT

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

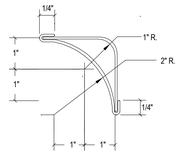
DRAWING No.
M 510

C:\Users\costwald\Documents\MKIV1803_Central19_M_costwald.rvt
12/16/2021 9:29:06



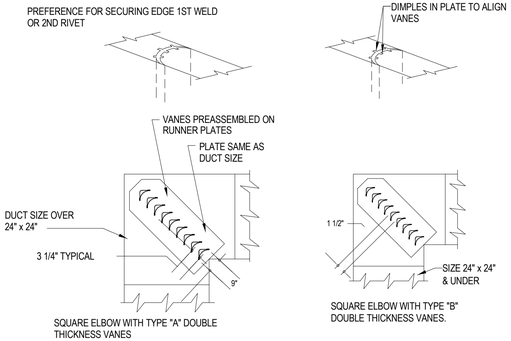
TYPE "A"

TYPE "A" DOUBLE THICKNESS VANES FOR USE IN DUCTS GREATER THAN 24" x 24" IN SIZE. USE SAME GAUGE GALVANIZED IRON AS DUCT NOT TO EXCEED 20 GAUGE.



TYPE "B"

DOUBLE THICKNESS VANES FOR USE IN DUCTS 24" x 24" AND UNDER



SQUARE ELBOW WITH TYPE "A" DOUBLE THICKNESS VANES

SQUARE ELBOW WITH TYPE "B" DOUBLE THICKNESS VANES.

NOTE:

USE GALVANIZED STEEL FOR VANES IN EITHER STEEL OR ALUMINUM DUCTWORK.

1 TURNING VANES DETAIL

SCALE: NTS

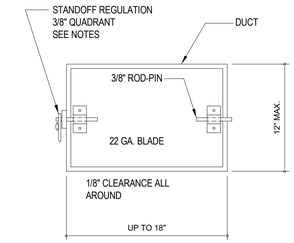


FIG A

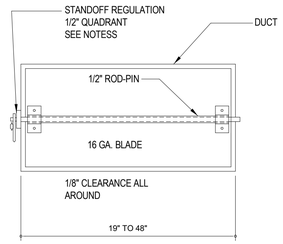


FIG B

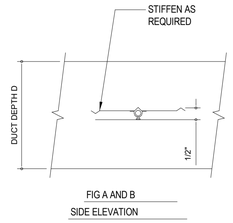
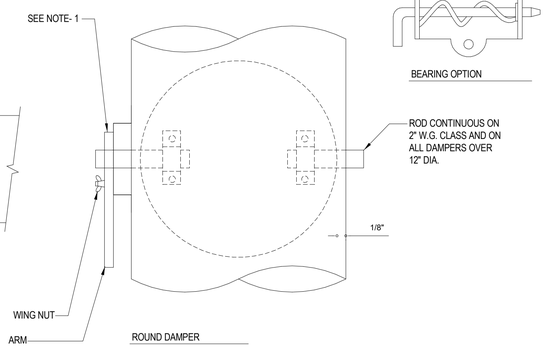


FIG A AND B

SIDE ELEVATION



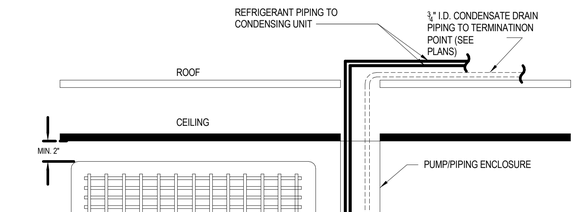
ROUND DAMPER

NOTES:

1. PROVIDE 2" HIGH STANDOFF REGULATORS FOR EXTERNALLY INSULATED DUCTWORK. PROVIDE REGULATORS WITH SEALS. DURO-DYNE MODEL E50.
2. STANDOFF BASE HEIGHT TO MATCH INSULATION THICKNESS. BASE CONSTRUCTION 16 GAUGE.
3. RAPIT DAMPER REGULATORS AND JIFFY DAMPERS ARE NOT ACCEPTABLE ON RECTANGULAR OR ROUND DUCTWORK.

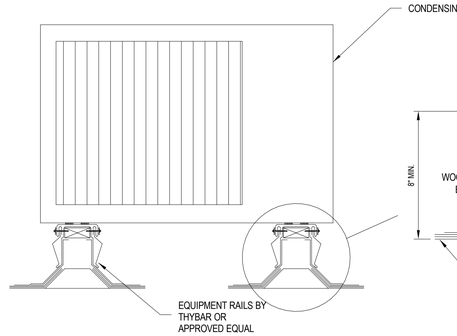
2 VOLUME DAMPERS - SINGLE BLADE TYPE

SCALE: NTS



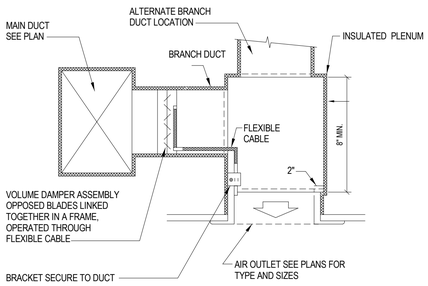
3 Ductless Split Condensate Drain Piping Detail

SCALE: NTS



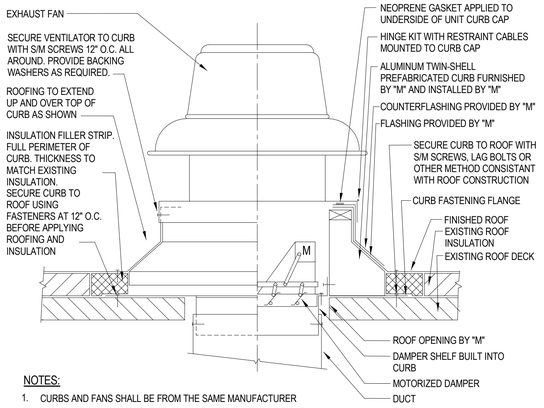
4 Condensing Unit Curb Detail

SCALE: NTS



7 Linear Diffuser Detail

SCALE: NTS

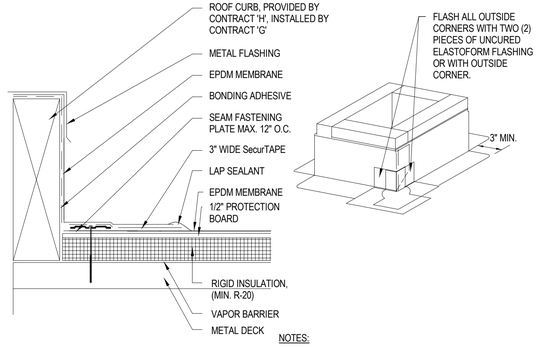


NOTES:

1. CURBS AND FANS SHALL BE FROM THE SAME MANUFACTURER
2. ROOF OPENING IN ACCORDANCE WITH MANUFACTURER'S APPROVED SHOP DRAWINGS
3. CURB HEIGHT SHALL BE 12" ABOVE FINISHED ROOF.
4. ALL FLASHING AND ROOF WORK BY 'M' CONTRACTOR.

5 Roof Exhaust Fan & Curb

SCALE: NTS



NOTES:

1. IF VERTICAL SPLICE IS NOT LOCATED AT CORNER, 6" WIDE UNCURED ELASTOFORM FLASHING OR PRESSURE-SENSITIVE FLASHING MUST BE CENTERED OVER FIELD SPLICE AT ANGLE CHANGE.
2. FASTENING PLATES MAY BE INSTALLED VERTICALLY.
3. APPLY PRIMER PRIOR TO INSTALLING SecurTAPE.
4. LAP SEALANT IS REQUIRED ON ALL FLASHING EDGES.

6 Roof Curb Detail

SCALE: NTS

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

DETAILS

DRAWING No.

M 520

C:\Users\costwald\Documents\MKIV1803_Central19_M_costwald.rvt

12/16/2021 9:29:07

AIR OUTLETS

DESIGNATION	SYMBOL	BASIS OF DESIGN: MNF/ MODEL NO.	DESCRIPTION	FACE SIZE (IN)	AIR FLOW RANGE (CFM)		NECK SIZE DIAMETER (IN.)
					MIN	MAX	
A	A (CFM)	TITUS/OMNI	SQUARE FACE CEILING DIFFUSER	24x24 UNLESS OTHERWISE NOTED ON DRAWINGS	0	200	6
					201	315	8
					316	450	10
					451	650	12
					651	850	14
B	B (CFM)	TITUS/350RL-5	RETURN/EXHAUST GRILLE	12x12 UNLESS OTHERWISE NOTED ON DRAWINGS	SEE DRAWINGS	SEE DRAWINGS	NA
C	C (CFM)	TITUS/T-700L	TRANSFER GRILLE	24x24 UNLESS OTHERWISE NOTED ON DRAWING	SEE DRAWINGS	SEE DRAWINGS	NA
D	D (CFM)	TITUS/300RL-5	SIDEWALL SUPPLY REGISTER	14x6	SEE DRAWINGS	SEE DRAWINGS	NA
BFD	BFD (CFM)	TITUS/TMS(FR)	SQUARE FACE FIRE RATED CEILING DIFFUSER	24x24 UNLESS OTHERWISE NOTED ON DRAWINGS	0	200	6
					201	315	8
					316	450	10
					451	650	12
					651	850	14

NOTES:

1. PROVIDE ALUMINUM CONSTRUCTION FOR ALL TERMINALS IN SHOWER ROOMS, TOILETS, JANITORS' CLOSETS AND OTHER HUMID AREAS.
2. FOR CONSTRUCTION DETAILS AND ACCESSORIES SEE SPECIFICATION SECTION 233713.
3. PROVIDE OPPOSED BLADE DAMPER FOR ALL REGISTERS AND DIFFUSERS.
4. PROVIDE MOUNTING FRAMES TO MATCH CEILING IN WHICH UNIT IS INSTALLED, COUNTERSINK ALL MOUNTING SCREWS.

EXHAUST FANS

EQUIPMENT NO.	TYPE	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS			BASIS OF DESIGN INFORMATION						NOTES
			CFM	EXT S. P. (IN. W.C.)	MOTOR RPM	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA		
										VOLTS/ PHASE	MOTOR HP	
EF-1	CENTRIFUGAL DOWNBLAST (DIRECT DRIVE)	BATHROOMS AND JC	550	0.49900	1725	GREENHECK	G-095-VG	21.8 X 21.8 X 26.6	52	115/1	1/6	1-10
AS-1	AIR SCRUBBER	GEAR ROOM	1000	-	-	HONEYWELL	F111	48 X 24 X 23	147	120/1	1/2	11

NOTES:

1. VG EC MOTOR WITH THERMAL OVERLOAD
2. CONTROL DIAL FOR BALANCING
3. 12" ROOF CURB
4. NEMA-1 DISCONNECT SWITCH
5. JUNCTION BOX MTD. & WIRED
6. 115VAC MOTORIZED DAMPER WITH ACTUATOR
7. GALVANIZED BIRDSCREEN
8. UL/cUL 705 LISTED
9. EXHAUST FAN TO RUN CONTINUOUSLY
10. NON METALLIC WIRING PIGTAIL
11. TO BE CONTROLLED BY WALL SWITCH (PROVIDED BY OTHERS, SEE 'E' DRAWINGS)

ELECTRIC UNIT HEATERS

EQUIPMENT NO.	QUANTITY	AREA SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS								BASIS OF DESIGN INFORMATION				NOTES
			FAN DATA			TOTAL CAPACITY (MBH)	AIR DATA			HEATING COIL DATA	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H	NOMINAL OPERATING WEIGHT (LBS.)	
			FLOW (CFM)	HP	VOLTS/PHASE		ENT. DB TEMP. (DEG. F)	LVG. DB TEMP. (DEG. F)	THROW (FT.)	TOTAL KW					
EUH-1A, -1B, -1C, & -1D	4	FIREMATIC STO., STO., & NEW GEAR LOCKER ROOM	350	1/100	208/1	10.2	55	82	8	3.0	QMARK	MUH03-81	16 x 14 x 8	27	1-5

NOTES:

1. WALL MOUNTED LOW VOLTAGE THERMOSTAT
2. POWER DISCONNECT SWITCH
3. UNIVERSAL WALL AND CEILING BRACKET
4. 24V CONTROL TRANSFORMER
5. UL 705 LISTED.

ELECTRIC WALL HEATERS

EQUIPMENT NO.	AREA SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS								BASIS OF DESIGN INFORMATION				NOTES
		FAN DATA			TOTAL CAPACITY (MBH)	AIR DATA			HEATING COIL DATA	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H	NOMINAL OPERATING WEIGHT (LBS.)	
		FLOW (CFM)	HP	VOLTS/PHASE		ENT. DB TEMP. (DEG. F)	LVG. DB TEMP. (DEG. F)	THROW (FT.)	TOTAL KW					
EWH-1	STAIR 115	245	-	208/1	19.3	60	87	-	2.0	AFH	AFH8120T	7.5" x 14" x 16"	27	1-5

NOTES:

1. ZERO VOLTAGE RESET THERMAL OVERLOAD
2. FACTORY DISCONNECT SWITCH
3. SURFACE MOUNTED
4. BUILT IN THERMOSTAT
5. UL 705 LISTED.

PACKAGED ROOFTOP UNITS

EQUIPMENT NO.	LOCATION	AREA SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS																		REMARKS
			SEER	IEER	SUPPLY FAN				OUTDOOR AIR		COOLING COIL			FILTERS	HEATING COIL			BASIS OF DESIGN INFORMATION					
					AIR FLOW (CFM)	NOMINAL SIZE (TONS)	EXT. S.P. (IN W.G)	BHP	OUTDOOR AIRFLOW (CFM)	OUTDOOR AIR DB/WB (DEG. F)	REFRIGERANT TYPE	TOTAL/SENSIBLE CAPACITY (MBH)	AIR DATA		TYPE	HEATING OUTPUT CAPACITY (MBH)	HEATING MEDIUM			MNF	MODEL NO.	NOMINAL DIMENSIONS LxWxH (IN.)	NOMINAL OPERATION WEIGHT (LBS)	ELECTRICAL DATA	
													ENT. DB/WB (DEG. F)	MAX LVG DB/WB (DEG F)			GAS							
																	INPUT GAS FLOW (CFH)	ENT. AIR TEMPERATURE (DEG. F)	LVG. AIR TEMPERATURE (DEG. F)					VOLTS/PHASE	
RTU-1	ROOF	MEETING RM., MEMBERS DINING, KITCHEN	19.00	-	1665	5.00	1.00	1.16	445	92.0/74.0	R-410A	58.67/42.89	80.3/66.9	56.4/55.6	MERV 13	88.0	110.0	53.3	102.3	CARRIER	48JCRW06A2M5-3A2T0	74.4x46.7x41.4	942	208/3	1-11,13,14,16
RTU-2	ROOF	MEMBERS ROOM, EX. OFFICE, & MEETING ROOM	19.00	-	1900	5.00	1.00	1.42	345	92.0/74.0	R-410A	59.19/44.32	80.0/67.0	57.3/55.9	MERV 13	88.0	110.0	58.0	100.9	CARRIER	48JCRW06A2M5-3A2T0	74.4x46.7x41.4	942	208/3	1-11,13,14
RTU-3	ROOF	CONF. RM., OFC. SUITE, TOILETS	20.00	-	1200	3.00	1.00	0.60	165	92.0/74.0	R-410A	35.86/26.78	80.0/67.0	57.5/55.8	MERV 13	54.0	67.0	60.40	102.1	CARRIER	48JCSW04A2M5-3W2T0	74.4x46.7x41.4	810	208/3	1-5,7-13,15

NOTES:

1. VARIABLE SPEED COMPRESSOR
2. DEHUMIDIFICATION
3. ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL
4. 120V POWERED CONVENIENCE OUTLET
5. MERV 13 FILTERS
6. MEDIUM GAS HEAT
7. DIRTY FILTER SWITCH
8. DISCONNECT SWITCH
9. CONDENSER COIL GUARD
10. THRU BASE ELECTRICAL CONNECTIONS
11. 14" ROOF CURB
12. LOW GAS HEAT
13. MEDIUM STATIC ECOBLUE DIRECT DRIVE
14. HORIZONTAL SUPPLY/HORIZONTAL RETURN CONFIGURATION
15. VERTICAL SUPPLY/VERTICAL RETURN CONFIGURATION
16. AVERAGING THERMOSTATS

SPLIT SYSTEMS

EQUIPMENT NO.	TYPE	AREA SERVED	PERFORMANCE/ CONSTRUCTION REQUIREMENTS							BASIS OF DESIGN INFORMATION										NOTES
			SEER	REFRIGERANT	SUPPLY UNIT DATA				REMOTE CONDENSING UNIT	MNF	MODEL NO.		NOMINAL DIMENSIONS L x W x H		NOMINAL OPERATING WEIGHT (LBS.)		ELECTRICAL DATA					
					AIRFLOW (CFM)	TOTAL COOLING CAPACITY RATED/MIN. (MBH)	HEATING CAPACITY RATED/MIN. (MBH)	SOUND PRESSURE LEVEL (dBA)	OUTSIDE AIR TEMP. (DEG. F)		INTERIOR UNIT	EXTERIOR UNIT	INTERIOR UNIT (IN.)	EXTERIOR UNIT (IN.)	INTERIOR UNIT	EXTERIOR UNIT	INTERIOR UNIT		EXTERIOR UNIT			
									MAX	MIN							VOLTS/ PHASE	MCA (A)	VOLTS/ PHASE	MCA (A)	MOCP (A)	
DSEU-1, DSCU-1	WALL MOUNTED	READY ROOM	24.6	R-410A	406	9.0/3.6	10.9/4.5	43	115	-4	MITSUBISHI	MSZ-GL09NA-U1	MUZ-GL09NA-U8	10 X 32 X 12	12 X 32 X 22	22	81	208/1	1.0	208/1	9.0	15	1-9
DSEU-2, DSCU-2	WALL MOUNTED	EXISTING LOBBY	30.5	R-410A	437	9.0/1.7	9.6/1.6	42	95	-13	MITSUBISHI	MSZ-FS09NA	MUZ-FS09NA	10 X 37 X 13	12 X 32 X 22	29	82	208/1	1.0	208/1	10.0	15	1,8,9-14
DSEU-3, DSCU-3 (ADD/ALT)	WALL MOUNTED	ADD/ALT OFC. SPACE	33.1	R-410A	437	6.0/1.7	8.7/1.6	42	115	-4	MITSUBISHI	MSZ-FS06NA	MUZ-FS06NA	10 X 37 X 13	12 X 32 X 22	29	82	208/1	1.0	208/1	10.0	15	1-4,6,8-14
DSEU-4, DSCU-4	WALL MOUNTED	KITCHEN	16.0	R-410A	803	33.2/10.3	35.2/9.8	53	115	-4	MITSUBISHI	MSZ-GS36NA	MUZ-GS36NA	12 X 47 X 15	13 X 34 X 35	45	121	208/1	1.0	208/1	19.0	20	1-4,6,8-14
DSEU-5, DSCU-5	WALL MOUNTED	EXISTING OFC.	26.1	R-410A	454	12.0/2.5	12.3/3.7	44	115	-4	MITSUBISHI	MSZ-FS12NA	MUZ-FS12NA	10 X 37 X 13	12 X 32 X 22	29	83	208/1	1.0	208/1	10.0	15	1-4,6,8-14

NOTES:

1. SAUERMANN SI30-115/230 MINI CONDENSATE PUMP (BY FACTORY)
2. DRAIN PAN LEVEL SENSOR (DPLS2)
3. DRAIN PAN HEATER (MAC-640BH-U)
4. DRAIN PAN SOCKET (MAC-860DS)
5. WIRED REMOTE CONTROLLER (PAR-32MAA)
6. MAC-333IF-E CONTROL SYSTEM INTERFACE
7. DISCONNECT SWITCH BY OTHERS. SEE 'E' DRAWINGS.
8. UL 1995 LISTED
9. 12" EQUIPMENT RAILS FOR OUTDOOR UNIT
10. SIMPLE MA REMOTE CONTROLLER (PAC-YT53CRAU-J)
11. DRAIN PAN LEVEL SENSOR/CONTROL (SS610E)
12. FACTORY DISCONNECT SWITCH (TAZ-MS303W)
13. DRAIN SOCKET (MAC-871DS)
14. DEFROST HEATER (MAC-640BH-U)

ELECTRIC WALL HEATERS

EQUIPMENT NO.	AREA SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS								BASIS OF DESIGN INFORMATION				NOTES
		FAN DATA			TOTAL CAPACITY (MBH)	AIR DATA			HEATING COIL DATA	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H	NOMINAL OPERATING WEIGHT (LBS.)	
		FLOW (CFM)	HP	VOLTS/PHASE		ENT. DB TEMP. (DEG. F)	LVG. DB TEMP. (DEG. F)	THROW (FT.)	TOTAL KW					
EWH-1	1ST FLOOR ENTRANCE	245	-	208/1	19.3	60	87	-	2.0	AFH	AFH8120T	7.5" x 14" x 16"	27	1-5

NOTES:

1. ZERO VOLTAGE RESET THERMAL OVERLOAD
2. FACTORY DISCONNECT SWITCH
3. SURFACE MOUNTED
4. BUILT IN THERMOSTAT
5. UL 705 LISTED

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

SCHEDULES

DRAWING No.

M 610

C:\Users\coolwald\Documents\MKIV1803_Central19_M_coolwald.rvt

12/16/2021 9:29:07

HOOD INFORMATION - JOB#5132235

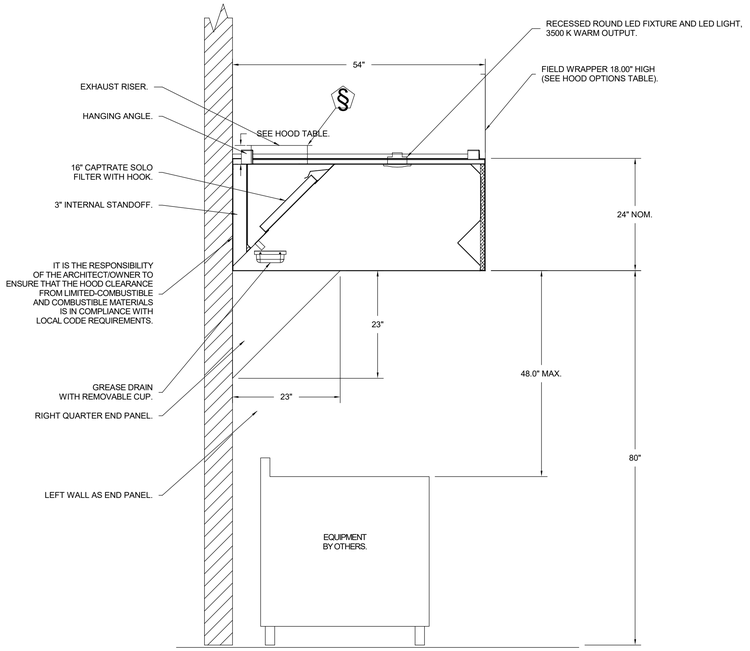
HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	MIN CFM	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION	HOOD CONFIG	
											WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP		END TO END	ROW
1	KH-1	5424 ND-2	CAPTIVEAIRE	6' 0"	600 DEG	I	HEAVY	200	1200	960			4"	12"	1200	1528	-0.672"	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

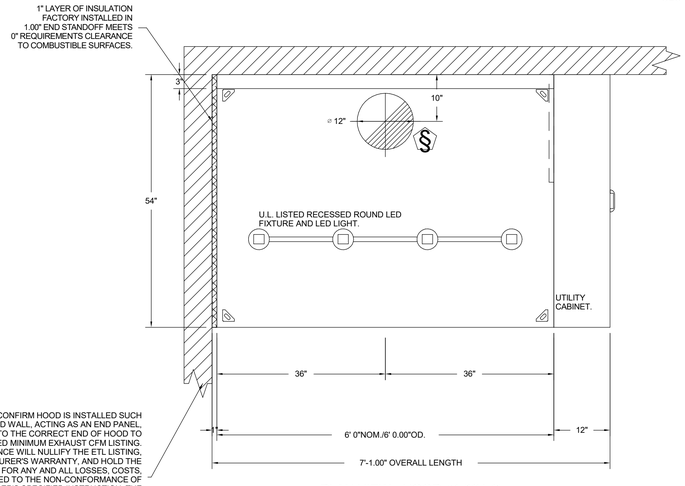
HOOD NO	TAG	FILTER(S)					LIGHT(S)				UTILITY CABINET(S)					FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	AVERAGE FOOT CANDLES @ 36" AFF	LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY		
1	KH-1	CAPTRATE SOLO FILTER	4	16"	16"	85% SEE FILTER SPEC	4	RECESSED ROUND	NO	59	RIGHT	12"x54"x24"	ANSUL R102	3.0	DCV-1111	1 LIGHT 1 FAN	YES	475 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KH-1	FIELD WRAPPER 18.00" HIGH FRONT, RIGHT.
		LEFT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		SENSOR-CV.
		LEFT WALL AS END PANEL.



SECTION VIEW - MODEL 5424ND-2
HOOD - #1 (KH-1)



INSTALLER MUST CONFIRM HOOD IS INSTALLED SUCH THAT THE SPECIFIED WALL, ACTING AS AN END PANEL, IS MATED TIGHT TO THE CORRECT END OF HOOD TO ACHIEVE A REDUCED MINIMUM EXHAUST CFM LISTING. NON-COMPLIANCE WILL NULLIFY THE ETL LISTING, VOID THE MANUFACTURER'S WARRANTY, AND HOLD THE CONTRACTOR LIABLE FOR ANY AND ALL LOSSES, COSTS, AND EXPENSES RELATED TO THE NON-CONFORMANCE OF THE MANUFACTURER'S SPECIFIED INSTRUCTION. THE WALL ACTING AS AN END PANEL MUST EXTEND NO LESS THAN 20" FROM THE INTERSECTING WALL ON WHICH HOOD IS MOUNTED AND MUST EXTEND NO LESS THAN 20" UNDER BOTTOM OF HOOD TO BE ELIGIBLE FOR REDUCED MINIMUM EXHAUST CFM LISTING.

PLAN VIEW - HOOD #1 (KH-1)
6' 0.00" LONG 5424ND-2

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

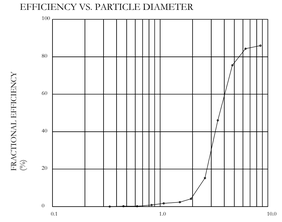
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

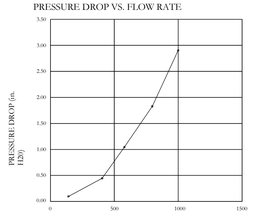
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER

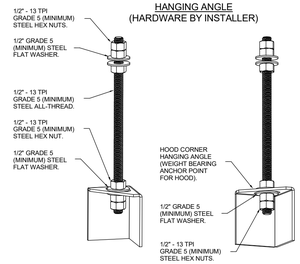


PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:.
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.

HOOD CORNER
HANGING ANGLE
(HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
KITCHEN SCHEDULE AND DETAILS

DRAWING No.
M 630

C:\Users\cotswald\Documents\MKIV1803_Central19_M_cotwald.rvt

12/16/2021 9:29:07

FIRE SYSTEM INFORMATION - JOB#5132235

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		ANSUL R102	3.0	2	FIRE CABINET RIGHT	RIGHT, KH-1

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		MECHANICAL	2.000	CAPTIVEAIRE SYSTEMS

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - 43-15733 AIR CYLINDER ASSEMBLY - AIR CYLINDER AND TUBING FOR MECHANICAL GAS VALVES (ANSUL PART #15733).	1	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR ANSUL TANKS.	1	0
		0 - 0 - UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS.	1	0
		1 - 1 - AT - 3.0 TANK(#1B) - 3.0 GALLON SS TANK (FOR USE WITH AUTOMAN RELEASE, ACTUATOR, OR SS ENCLOSURE (UL/ULC)) MACOLA # 01-429862.	1	0
		3 - 3 - ANS-OEM REGULATED RELEASE - ANSUL REGULATED MECHANICAL RELEASE/BRACKET ASSEMBLY, OEM, R-102, CARTRIDGE DETECTION INCLUDED, ANSUL PART # 79493.	1	0
		5 - 5 - LIQ-3.0 AGENT - ANSULEX LOW PH WET CHEMICAL AGENT, 3 GALLON (UL) 79372.	0	1
		7 - 7 - 101-20 CARTRIDGE - CARBON DIOXIDE 101-20, 3 GALLON CARTRIDGE (R-102).	0	1
		10 - 10 - TLINK LINK - TEST LINK (1 TEST LINK) ANSUL PART # 24916, MACOLA # 20-24916.	0	1
		11 - 11 - MICRO-SDA MICROSWITCH KIT- INCLUDES 2 SWITCHES AND MOUNTING HARDWARE. SINGLE DUAL ELECTRIC SWITCH, ONE STANDARD SWITCH, ONE ALARM DUTY SWITCH ANSUL PART # 437155, MACOLA # 08-437155.	1	0
		27 - 27 - QPSA-1/2 PULLEY SEAL - 1/2" HOOD SEAL (UL) ANSUL PART # 423253, MACOLA # 32-79768.	1	0
		34 - 34 - RPS-A REMOTE PULL STATION - RED COMPOSITE (WITHOUT WIRE ROPE) 434618 (OLD MACOLA #06-4835).	1	0
		35 - 35 - PE-LT PULLEY ELBOW - LOW TEMP. PULLEY ELBOW, SET SCREW TYPE ANSUL PART # 415670, MACOLA # 11-415671.	2	0
		36 - 36 - PE-HT PULLEY ELBOW - HIGH TEMP PULLEY ELBOW, COMPRESSION TYPE, ANSUL PART # 423251, MACOLA # 10-45771.	1	0

SPECIFICATIONS

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

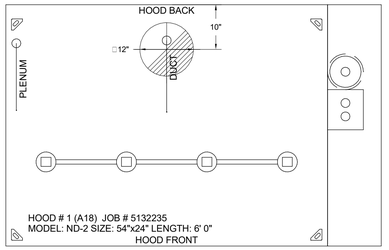
THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

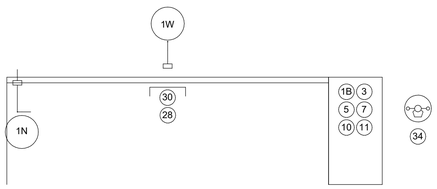
THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/ LINKAGE ASSEMBLY.

NOTES
- FIELD PIPE DROPS AS SHOWN
  SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.





FINAL COOKING APPLIANCES & NOZZLE DROP DETAILS TO BE PROVIDED BY FIRE SYSTEM INSTALLER ON FIRE SYSTEM PERMIT DRAWING.

FINAL COOKING APPLIANCES DETAILS MUST BE PROVIDED BY CUSTOMER FOR PRE-PIPED SYSTEM VERIFICATION PRIOR TO JOB RELEASE.

JOB #: 5132235.
JOB NAME: INDEPENDANT FIRE CO MT KISCO, NY SPEC REVA.

SYSTEM SIZE: ANSUL-3.0 TOTAL FP REQUIRED: 2.
HOOD # 1 6' 0.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 0" x 0".

NOTES
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

JOB #: 5132235.
JOB NAME: INDEPENDANT FIRE CO MT KISCO, NY SPEC REVA.

SYSTEM SIZE: ANSUL-3.0 TOTAL FP REQUIRED: 2.
HOOD # 1 6' 0.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 12" DIA.
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

LEGEND - FIRE CABINET ANSUL SYSTEM

1A	1.5 GALLON TANK.
1B	3 GALLON TANK.
2	OEM AUTOMAN RELEASE.
3	OEM REGULATED RELEASE.
4	OEM REGULATED ACTUATOR.
5	ANSULEX LIQUID AGENT (3 GAL.).
6	ANSULEX LIQUID AGENT (1.5 GAL.).
7	CARTRIDGE (101-20).
8	CARTRIDGE (101-10).
9	CARTRIDGE (101-30).
9A	CARTRIDGE (LT-A-101-30).
9B	DOUBLE TANK CARTRIDGE.
10	TEST LINK.
11	DOUBLE MICROSWITCH.
12	HOSE ASSEMBLY.
1100	DUCT NOZZLE (430913).
2W	DUCT NOZZLE (419337).
1W	NOZZLE ASSEMBLY (419336).
1F	NOZZLE ASSEMBLY (419333).
1N	NOZZLE ASSEMBLY (419335).
1/2N	NOZZLE ASSEMBLY (419334).
3N	NOZZLE ASSEMBLY (419338).
245	NOZZLE ASSEMBLY (419340).
230	NOZZLE ASSEMBLY (419339).
2120	NOZZLE ASSEMBLY (419343).
290	NOZZLE ASSEMBLY (419342).
260	NOZZLE ASSEMBLY (419341).
28	DETECTOR BRACKET.
29	LOW TEMP FUSIBLE LINK.
30	HIGH TEMP FUSIBLE LINK.
MGV	MECHANICAL GAS VALVE.
EGV	ELECTRICAL GAS VALVE.
34	REMOTE MANUAL PULL STATION.
S	SWIVEL ADAPTOR.

GAS VALVES AND STRAINERS

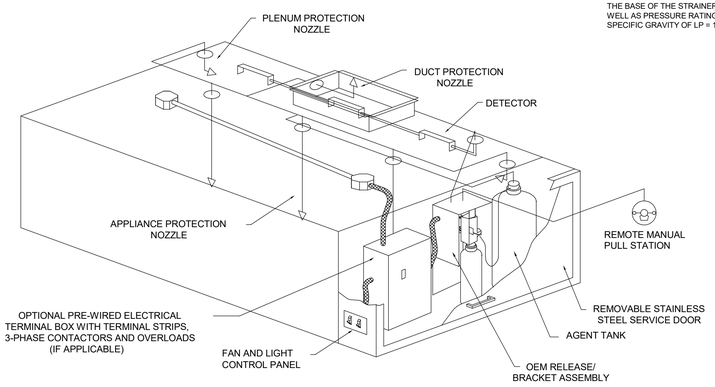
	GAS VALVE SIZING						GAS VALVE DIMENSIONS						INSTALLATION	PART NUMBERS		
	TYPE	SIZE	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. DROP NATURAL GAS	FLOW AT 1 IN.W.C. DROP PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "F"	DIM "G"	MOUNTING ORIENTATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINER KIT
GAS VALVE FOR FS#1 →	MECHANICAL	2"	N/A	0 PSI (0 IN.W.C.)	10 PSI (277 IN.W.C.)	4,616,000 BTU/HR	2,995,256 BTU/HR	6-11/16"	5-7/8"	7-1/4"	7-13-16"	15-1/8"	13-3/16"	HORIZONTAL	28-55610	4417K68	MGVA2

ALL GAS VALVES/STRAINERS

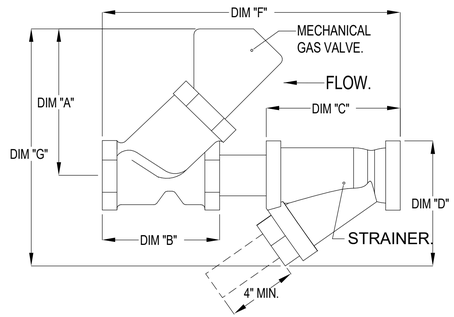
PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52.

CALCULATIONS

TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP
NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP $^{0.5}$
TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY
NEW BTU/HR = (BTU/HR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY) $^{0.5}$



TYPICAL ANSUL R-102 SYSTEM LAYOUT



INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.
EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		
PROJECT No:	DATE:	SCALE:	
MKIV1803	12/13/2021	AS SHOWN	

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
KITCHEN SCHEDULE AND DETAILS

DRAWING No.
M 640

C:\Users\cotwald\Documents\MKIV1803_Central19_M_cotwald.rvt

12/16/2021 9:29:08

EXHAUST FAN INFORMATION - JOB#5132235

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-1	1	DU85HFA	CAPTIVEAIRE	1200	1.000	1200	ODP	0.750	0.3080	3	208	2.6	380 FPM	99	9.9

MUA FAN INFORMATION - JOB#5132235

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
2	MUA-1	1	K-A1-D.250-15D	15MF-1-MOD	A1-D.250	1000	1200	0.500	1487	ODP	0.750	0.4860	3	208	2.5	3.2A	15A	479	12.4

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
2	MUA-1	94632	87061	70°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1		1	GREASE BOX.
		1	HINGE KIT - SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS.
		1	2 YEAR PARTS WARRANTY.
2		1	INLET PRESSURE GAUGE, 0-35".
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.
		1	LOW FIRE START.
		1	MOTORIZED BACKDRAFT DAMPER FOR A1-D HOUSING - MEETS AMCA CLASS 1A RATING.
		1	MIAMI DADE CERTIFICATION - NOA-2 SUPPLY.
		1	FREEZESTAT (10).
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) - THREE PHASE ONLY.
		1	2 YEAR PARTS WARRANTY.

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
2	# 2	VERIFY PITCH	65 LBS	CURB	21.000"W X 71.000"L X 20.000"H 5.000:12.000 PITCH ALONG WIDTH, RIGHT INSULATED.

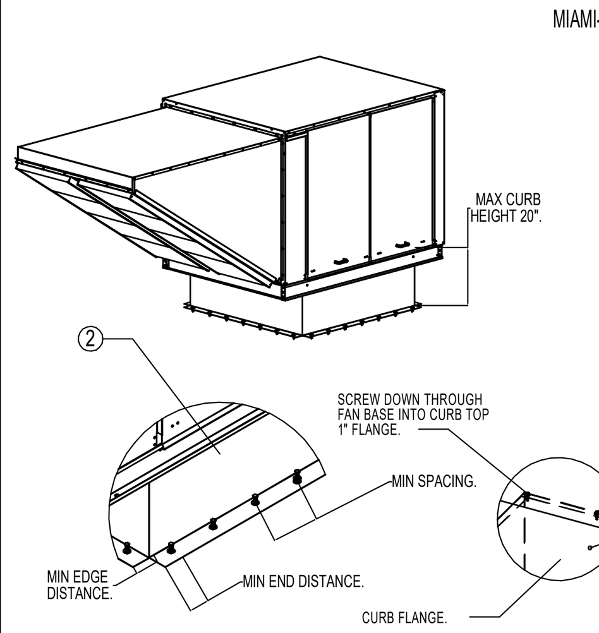
FAN SOUND DATA

FAN UNIT NO	TAG	MOTOR	SOUND DATA			OCTAVE BAND SOUND DATA								
			LWA	SONES @ 5 FT	DBA @ 5 FT	DISTANCE (FT)	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
1		EXHAUST	71.4	9.9	59.9	5	72.9	74.2	74.2	67.6	64.9	61.9	56.6	50.6
2		SUPPLY	74.6	12.4	63.1	5	72.1	75.7	75	70.9	67.8	66.7	64.7	61.3

FAN SOUND DATA

FAN UNIT NO	TAG	MOTOR	SOUND DATA			OCTAVE BAND SOUND DATA								
			LWA	SONES @ 5 FT	DBA @ 5 FT	DISTANCE (FT)	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
1		EXHAUST	71.4	9.9	59.9	5	72.9	74.2	74.2	67.6	64.9	61.9	56.6	50.6
2		SUPPLY	75.3	12.9	63.8	5	72.6	76.5	75.8	71.6	68.4	67.3	65.4	61.9

MIAMI-DADE NOA2 SUPPLY FANS



GENERAL NOTES:

1. THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSING ONLY; IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.
2. THESE FANS HAVE NOT BEEN WIND TESTED FOR WIND DRIVEN RAIN TEST PER FLORIDA BUILDING CODE, TAS100 (A)-95.
3. TESTED IN ACCORDANCE TO FLORIDA BUILDING CODE TEST PROTOCOL TAS201, TAS202, TAS203.
4. TESTED FOR AREAS INCLUDING HIGH VELOCITY HURRICANE ZONES.
5. TESTED UNDER MIAMI-DADE COUNTY NOTIFICATION NUMBER ATI-08034.

INSTALLATION INSTRUCTIONS:
1. SECURE FAN BASE TO TOP OF CURB USING 1/4-14 X 1" ZINC PLATED STEEL SELF DRILLING SCREWS (A307 OR BETTER) THROUGH FAN BASE. SEE TABLE BELOW FOR QTY.
2. SECURE CURB TO ROOF FRAMING MEMBERS BY DRILLING 1/4" DIA PILOT HOLES IN CURB AT LOCATION SHOWN IN BOTTOM LEFT DIAGRAM. SEE TABLE BELOW FOR FASTENER TYPE AND QTY.

DESIGN PRESSURE: +30.0 / -130.0 PSF.
LARGE MISSILE IMPACT RESISTANT.

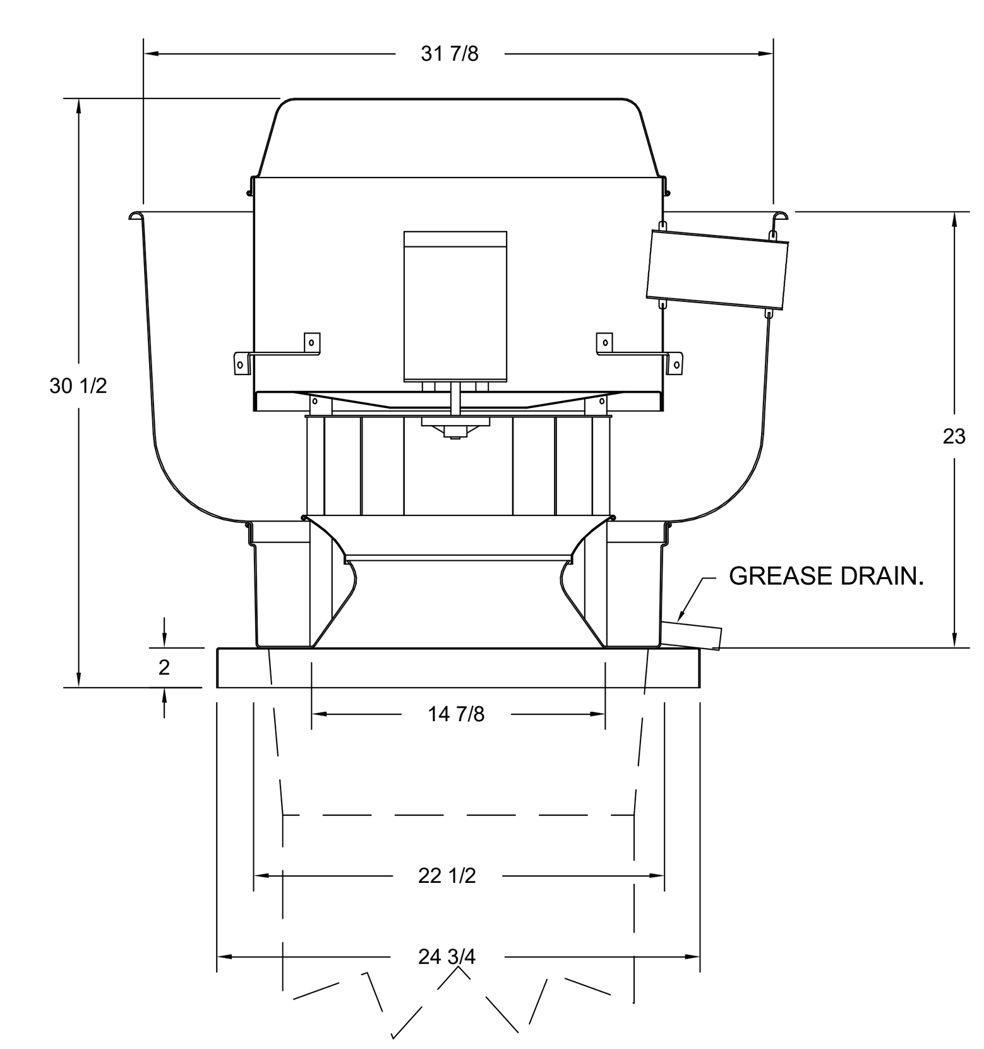
INSTALLATION FASTENER TYPES

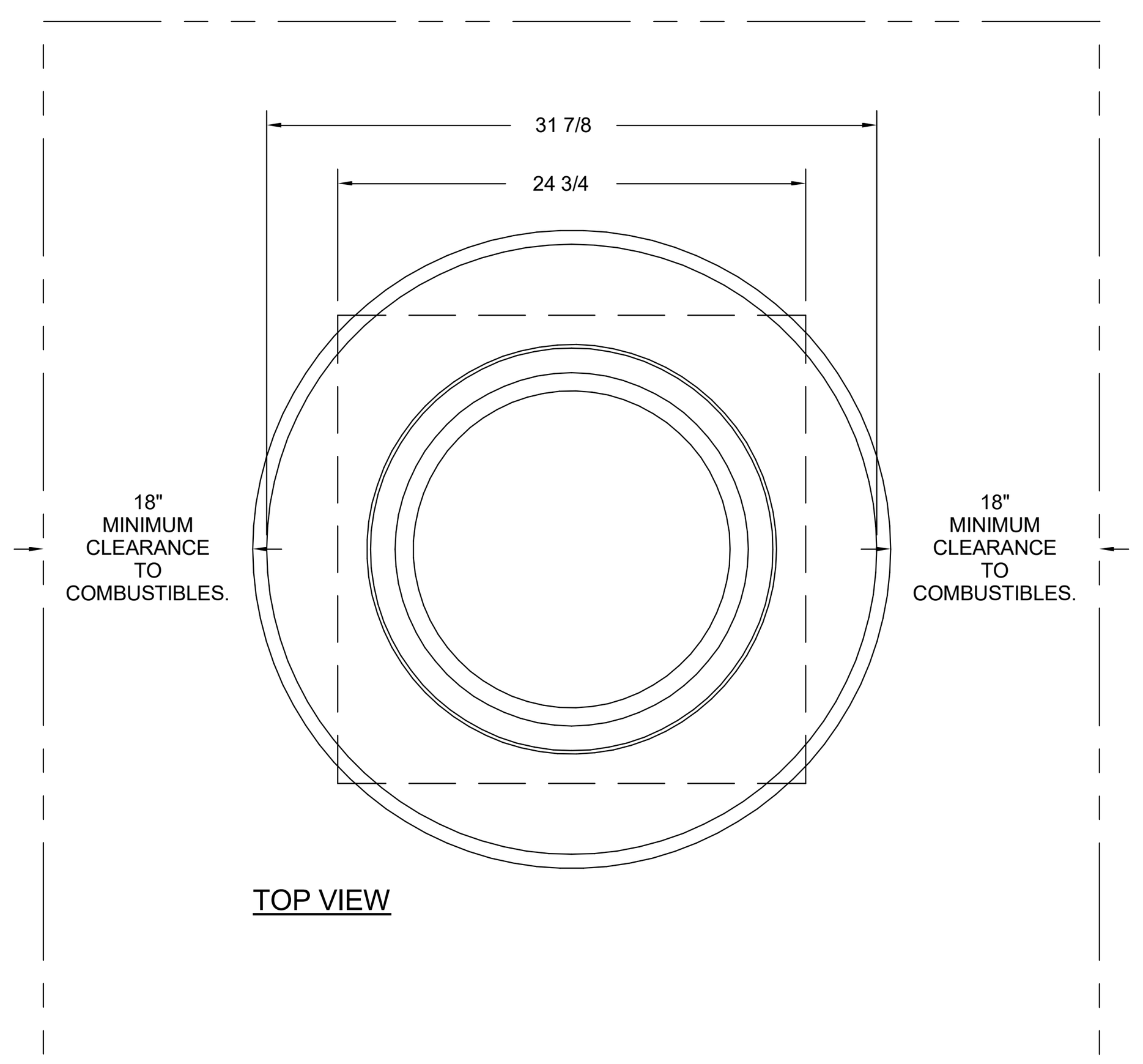
	FAN TO CURB	WOOD (SG = 0.42 MIN.)	STEEL (12 GAUGE MIN.)	CONCRETE (2500 PSI MIN. CRACKED CONCRETE)
FASTENER	1/4"-14 X 1" SELF DRILLING SCREW (A307 OR BETTER)	3/8" DIA. ZINC PLATED LAG BOLT	1/4"-14 DRIL-FLEX SELF DRILLING SCREW	3/8" DIA. SS HILTI KWIK BOLT TZ EXPANSION ANCHOR
MINIMUM THREAD PENETRATION	N/A	2"	12 GAUGE	2-5/16"
MINIMUM EDGE DISTANCE	N/A	1-1/2"	3/8"	3"
MINIMUM END DISTANCE	N/A	2-5/8"	3/8"	4"
MINIMUM SPACING	N/A	1-1/2"	3/4"	7"

INSTALLATION FASTENER QTY

	CURB TO FAN			WOOD			STEEL			CONCRETE		
FAN MODEL	LONG SIDE	SHORT SIDE	TOTAL	LONG SIDE	SHORT SIDE	TOTAL	LONG SIDE	PER SIDE	TOTAL	LONG SIDE	SHORT SIDE	TOTAL
DIRECT FIRED 1	5	2	14	8	3	22	6	2	16	7	2	18

FAN #1 DU85HFA - EXHAUST FAN





TOP VIEW

FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

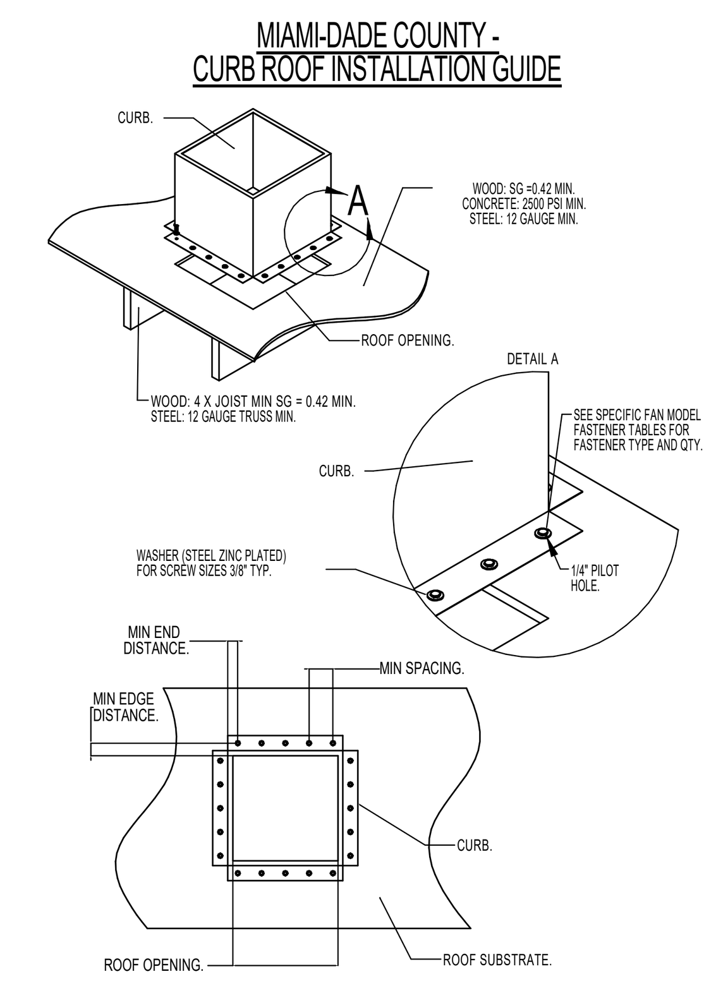
NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

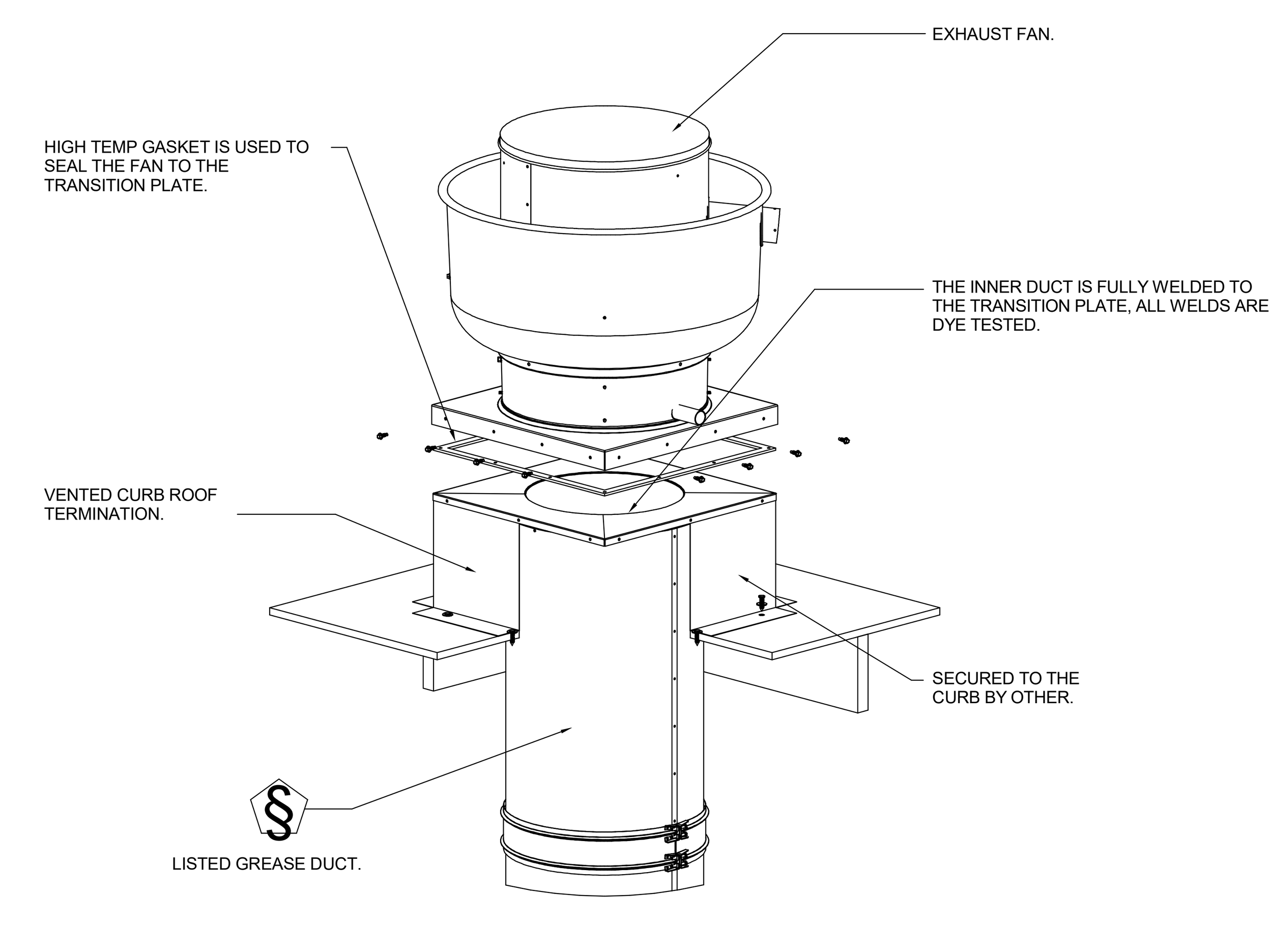
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX.
HINGE KIT - SHIPS LOOSE FOR CURB SUPPLIED BY OTHERS.
2 YEAR PARTS WARRANTY.

MIAMI-DADE COUNTY - CURB ROOF INSTALLATION GUIDE



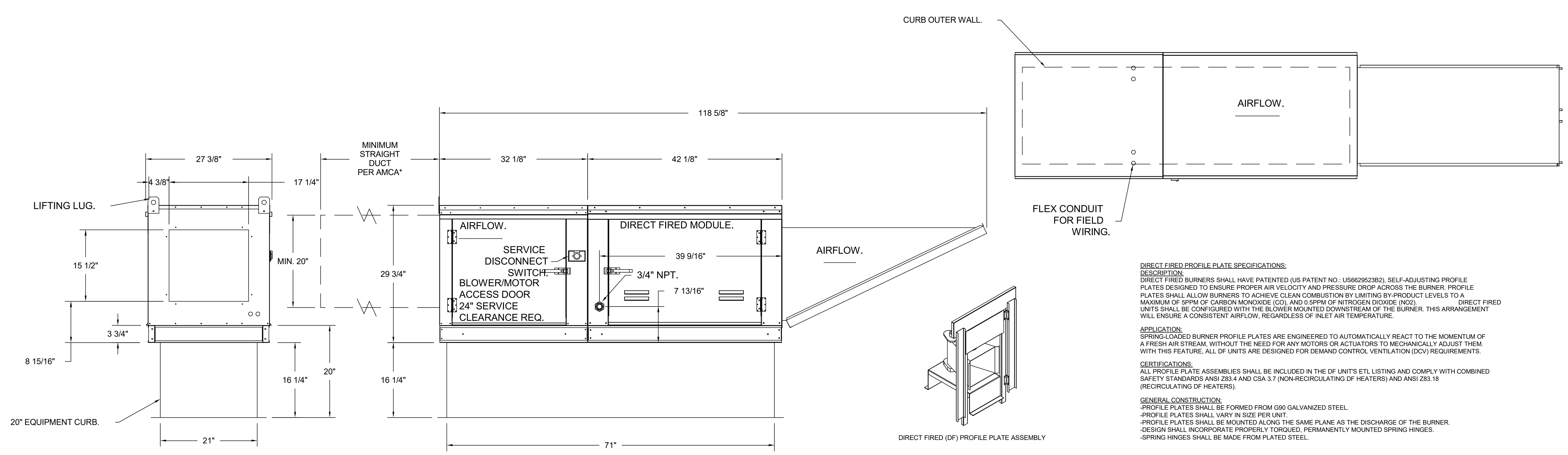


FAN #2 K-A1-D.250-15D - HEATER
1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 15" MIXED FLOW DIRECT DRIVE FAN.
2. INTAKE HOOD WITH EZ FILTERS.
3. SIDE DISCHARGE - AIR FLOW RIGHT -> LEFT.
4. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
5. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC., 2.5" DIAMETER, 1/4" THREAD SIZE.
6. LOW FIRE START. ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
7. MOTORIZED BACK DRAFT DAMPER 16" X 18" FOR SIZE 1 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, TFB120S ACTUATOR INCLUDED.
8. MIAMI DADE IMPACT AND WIND LOAD CERTIFICATION +30 / -130 PSF - MIAMI DADE COUNTY PRODUCT CONTROL APPROVED. FLORIDA BUILDING CODE APPROVAL. ROOF MOUNT EXHAUST CURBS UP TO 20" HIGH MUST BE 16 GAUGE ALUMINIZED.
9. FREEZESTAT WITH 10' SENSOR. FACTORY SET AT 35°F AND 10 MINUTES.
10. SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH.
11. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION).
12. 2 YEAR PARTS WARRANTY.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20" x 20".

SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 12°F. TEMP. RISE = 70°F.
BTUs CALCULATED OFF ACTUAL AIR DENSITY.
OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 88581.
INPUT BTUs AT ALTITUDE OF 0.0 FT. = 96284.
OUTPUT BTUs AT ALTITUDE OF 478 FT. = 87061.
INPUT BTUs AT ALTITUDE OF 478 FT. = 94632.



DIRECT FIRED (DF) PROFILE PLATE ASSEMBLY

DIRECT FIRED PROFILE PLATE SPECIFICATIONS:

DESCRIPTION:
DIRECT FIRED BURNERS SHALL HAVE PATENTED (US PATENT NO.: US6629523B2), SELF-ADJUSTING PROFILE PLATES DESIGNED TO ENSURE PROPER AIR VELOCITY AND PRESSURE DROP ACROSS THE BURNER. PROFILE PLATES SHALL ALLOW BURNERS TO ACHIEVE CLEAN COMBUSTION BY LIMITING BY-PRODUCT LEVELS TO A MAXIMUM OF 5PPM OF CARBON MONOXIDE (CO), AND 0.5PPM OF NITROGEN DIOXIDE (NO2). DIRECT FIRED UNITS SHALL BE CONFIGURED WITH THE BLOWER MOUNTED DOWNSTREAM OF THE BURNER. THIS ARRANGEMENT WILL ENSURE A CONSISTENT AIRFLOW, REGARDLESS OF INLET AIR TEMPERATURE.

APPLICATION:
SPRING-LOADED BURNER PROFILE PLATES ARE ENGINEERED TO AUTOMATICALLY REACT TO THE MOMENTUM OF A FRESH AIR STREAM, WITHOUT THE NEED FOR ANY MOTORS OR ACTUATORS TO MECHANICALLY ADJUST THEM. WITH THIS FEATURE, ALL DF UNITS ARE DESIGNED FOR DEMAND CONTROL VENTILATION (DCV) REQUIREMENTS.

CERTIFICATIONS:
ALL PROFILE PLATE ASSEMBLIES SHALL BE INCLUDED IN THE DF UNIT'S ETL LISTING AND COMPLY WITH COMBINED SAFETY STANDARDS ANSI Z83.4 AND CSA 3.7 (NON-RECIRCULATING DF HEATERS) AND ANSI Z83.18 (RECIRCULATING DF HEATERS).

GENERAL CONSTRUCTION:
-PROFILE PLATES SHALL BE FORMED FROM G90 GALVANIZED STEEL.
-PROFILE PLATES SHALL VARY IN SIZE PER UNIT.
-PROFILE PLATES SHALL BE MOUNTED ALONG THE SAME PLANE AS THE DISCHARGE OF THE BURNER.
-DESIGN SHALL INCORPORATE PROPERLY TORQUED, PERMANENTLY MOUNTED SPRING HINGES.
-SPRING HINGES SHALL BE MADE FROM PLATED STEEL.

H2M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		
PROJECT No: MKIV1803	DATE: 12/13/2021	SCALE: AS SHOWN	

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

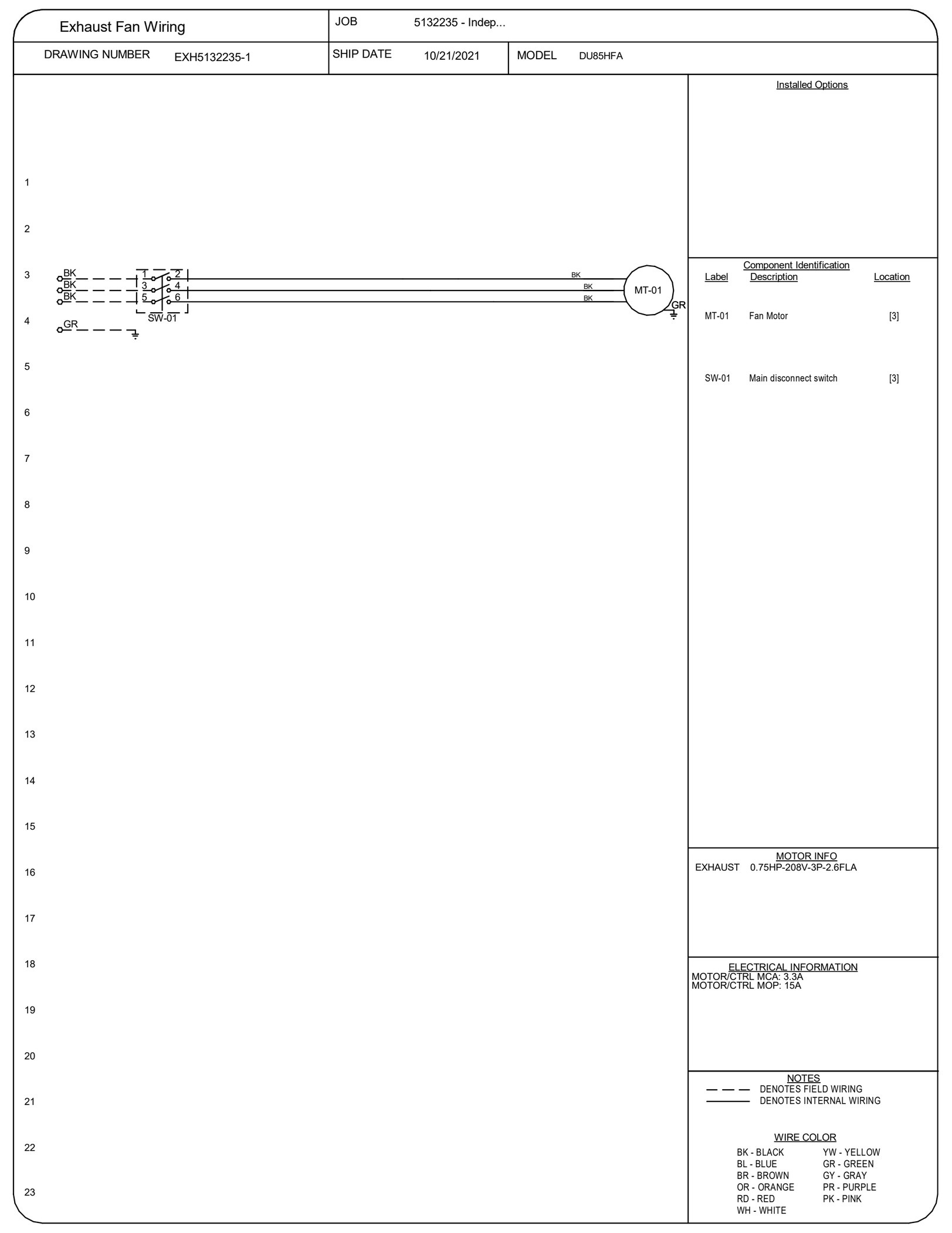
CONTRACT

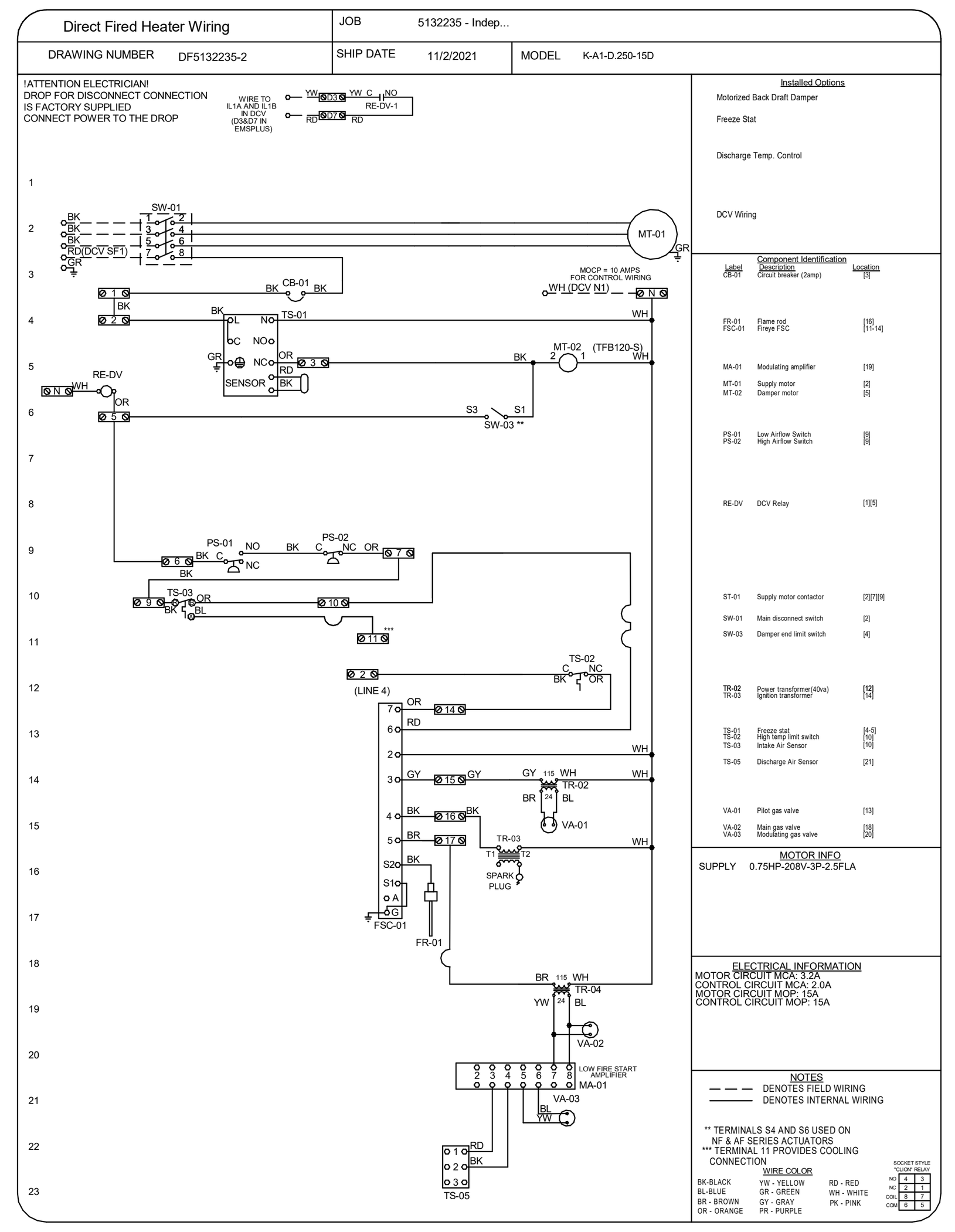
STATUS
CONSTRUCTION DOCUMENTS

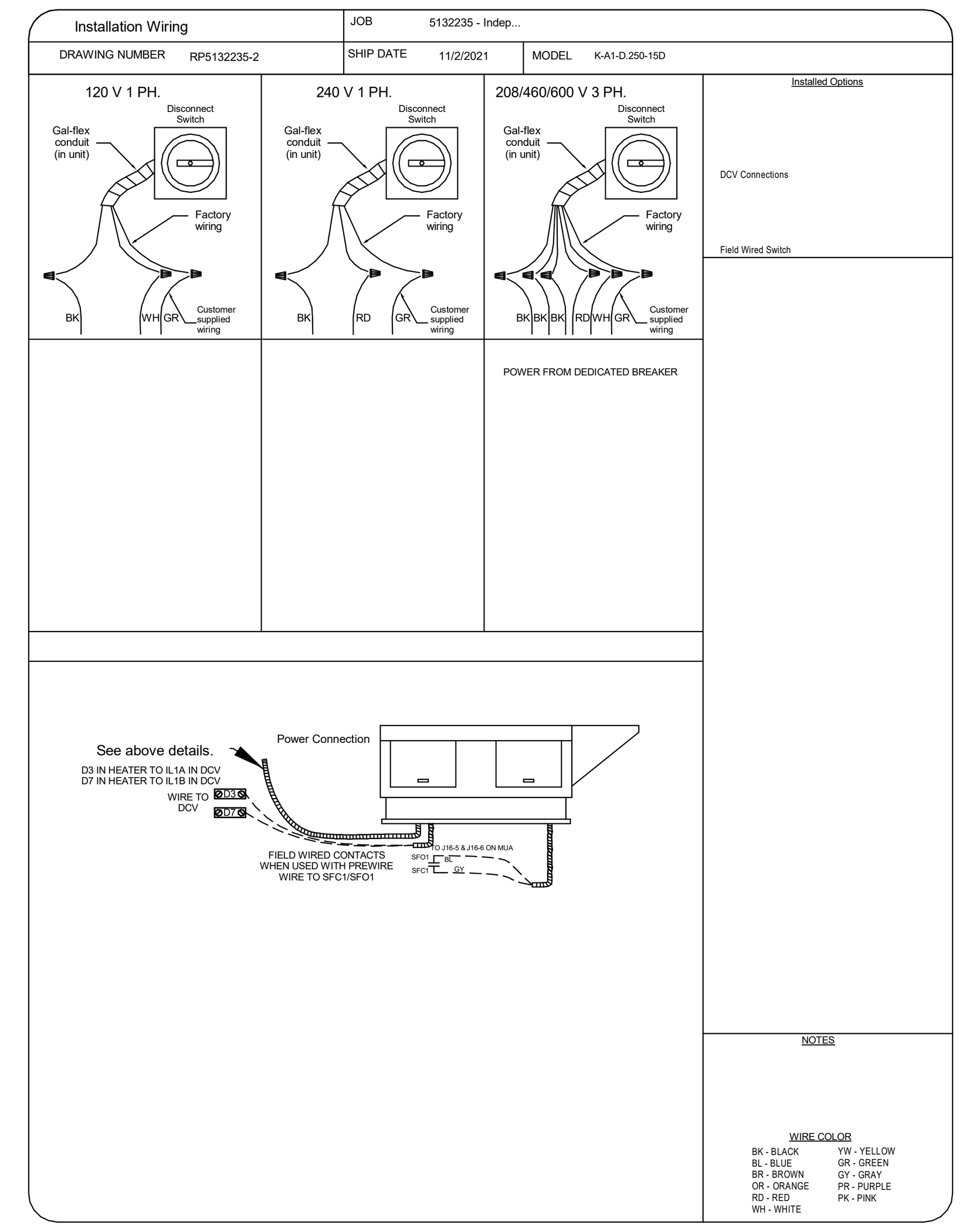
SHEET TITLE
KITCHEN SCHEDULE AND DETAILS

DRAWING No.
M 650

C:\Users\costwald\Documents\MKIV1803_Central19_M_costwald.rvt
12/16/2021 9:29:08

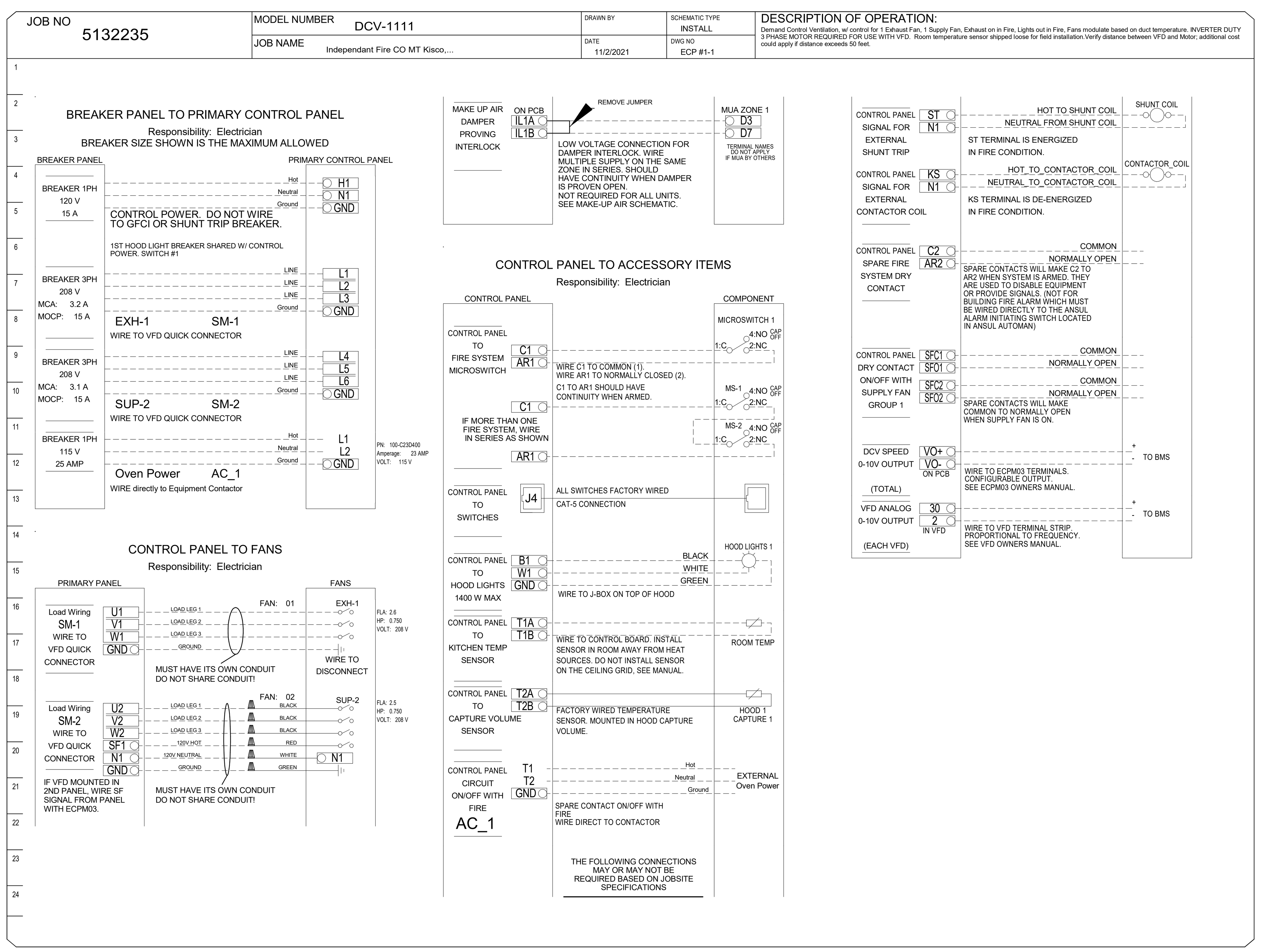


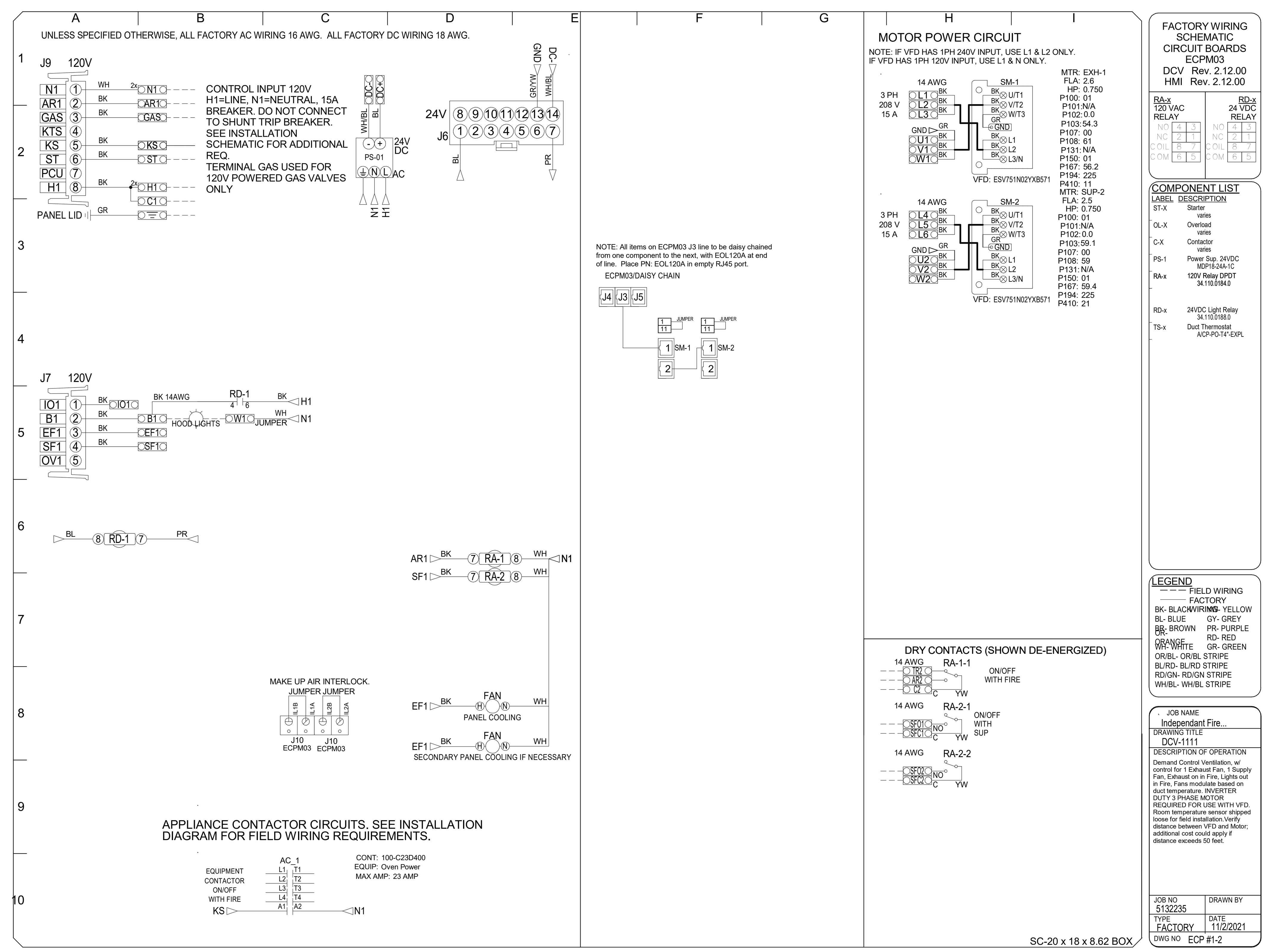




ELECTRICAL PACKAGE - JOB#5132235

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	ϕ	HP	VOLT	FLA
1		DCV-1111	UTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS DCV	EXHAUST	3	0.750	208	2.6
				HOOD # 1	1 FAN		SUPPLY	3	0.750	208	2.5





H2M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

"ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLEGAL"

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	JEB		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

MOUNT KISCO
NEW YORK

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
KITCHEN SCHEDULE AND DETAILS

DRAWING No.
M 660

C:\Users\costwald\Documents\MKIV1803_Central19_M_costwald.rvt
12/16/2021 9:29:08

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	COMMENTS
S_3	THREE - WAY SWITCH	46" AFF TO CL UON
S_4	FOUR - WAY SWITCH	46" AFF TO CL UON
S_I	ILLUMINATED SWITCH	46" AFF TO CL UON
S^A	SINGLE POLE SWITCH; "A" INDICATES SWITCH CONTROL	46" AFF TO CL UON
S_D	SINGLE POLE DIMMER SWITCH	46" AFF TO CL UON
S_{3D}	THREE - WAY DIMMER SWITCH	46" AFF TO CL UON
S_K	SINGLE POLE KEYED SWITCH	46" AFF TO CL UON
S_{K3}	KEYED THREE - WAY SWITCH	46" AFF TO CL UON
S_{K4}	KEYED FOUR - WAY SWITCH	46" AFF TO CL UON
S_M	HORSEPOWER RATED SWITCH, WITH INDICATOR (CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE WITH EQUIPMENT)	46" AFF
S_P	SWITCH AND PILOT LIGHT	
S_T	SWITCH WITH THERMAL OVERLOAD PROTECTION (CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE WITH EQUIPMENT)	
S_{OS}	OCCUPANY SENSOR WITH MANUAL OVERRIDE, WALL MOUNT	
TC	TIME CLOCK	
PC	PHOTOCELL	
PB	PUSH BUTTON	
E,G	EMERGENCY SHUT OFF SWITCH; 'E' INDICATES ELECTRICAL; 'G' INDICATES GAS	
OS	OCCUPANCY SENSOR, CEILING MOUNT	
	OCCUPANCY SENSOR POWER PACK, MOUNTED ABOVE CEILING	
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	5 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW SLAB	
LP1-35	DEDICATED HOME RUN TO PANEL LP1 FOR CIRCUIT No. 35 ONLY. 2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	SIMPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
	QUAD RECEPTACLE, DOUBLE DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
C	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "C" INDICATES CEILING MOUNT.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A; FLOOR MOUNTED.	FLUSH
IG	ISOLATED GROUND DUPLEX RECEPTACLE. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
GFI	DUPLEX RECEPTACLE: 120V, 20A; WITH GROUND FAULT INDICATOR. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
UC	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "UC" INDICATES UNDER COUNTER	AS PER ENGINEER
CT	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "CT" INDICATES COUNTER TOP.	AS PER ENGINEER
WP	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "WP" INDICATED WEATHER PROOF	AS PER ENGINEER
40 240	SPECIAL PURPOSE OUTLET: 240V, 40A. VERIFY NEMA CONFIGURATION WITH EQUIPMENT MANUFACTURER.	AS PER ENGINEER
TL	TWISTED LOCK RECEPTACLE: 125V, 20A, 3 WIRE; UNLESS OTHERWISE NOTED.	AS PER ENGINEER
	SURFACE RACEWAY WITH 2 GROUNDED AND ISOLATED TYPE DUPLEX RECEPTACLES AND 1 DATA OUTLET PER POSITION, 18" AFF UNLESS OTHERWISE NOTED.	
	TELEPHONE/POWER POLE	
S_1	MAGNETIC STARTER "S1"; SEE STARTER SCHEDULE	
DS_1	DISCONNECTION SWITCH "DS1"; SEE DISCONNECT SWITCH SCHEDULE.	
J	JUNCTION BOX	
J_{4X}	NEMA 4X STAINLESS STEEL JUNCTION BOX WITH GASKET COVER.	
J_S	JUNCTION BOX RECESSED IN WALL WITH BLANK COVER, PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING. MOUNT 18" AFF, UNLESS OTHERWISE NOTED.	
J_M	FOR MONITOR, JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING.	
T_{T1}	TRANSFORMER "T1"; SEE TRANSFORMER SCHEDULE.	
	ELECTRICAL PANEL "P1", RECESSED; SEE PANEL SCHEDULE.	
P1	ELECTRICAL PANEL "P1", SURFACE MOUNT; SEE PANEL SCHEDULE.	
	CONDUIT GOING UP.	
	CONDUIT GOING DOWN.	
	PULLBOX	
T	TELEPHONE. PROVIDE CAT 6 CABLE IN 3/4" E.C. TO PATCH PANEL IN EXISTING OFFICE R204. COORDINATE RACK AND PUNCH DOWN LOCATION WITH OWNER. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT DATA DROP, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER. PROVIDE BOX RECESSED IN WALL WITH RJ-11 COVER.	46" AFF
W	CEILING MOUNTED DATA DROP FOR WIRELESS ACCESS POINT (PROVIDED BY OWNER). PROVIDE CAT 6 CABLE IN 3/4" E.C. TO PATCH PANEL IN EXISTING OFFICE R204. COORDINATE RACK AND PUNCHDOWN LOCATION WITH OWNER. AT PATCH PANEL, PATCH PANEL NUMBER, AND PORT NUMBER. DATA DROP SHALL BE MOUNTED FLUSH WITH CEILING.	FLUSH
D	DATA. PROVIDE CAT 6 CABLE IN 3/4" E.C. TO PATCH PANEL IN EXISTING OFFICE R204. COORDINATE RACK AND PUNCH DOWN LOCATION WITH OWNER. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT DATA DROP, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER. PROVIDE BOX RECESSED IN WALL WITH RJ-45 COVER.	18" AFF
2D	DOUBLE DATA. PROVIDE TWO (2) CAT 6 CABLE IN 3/4" E.C. TO PATCH PANEL IN EXISTING OFFICE R204. COORDINATE RACK AND PUNCH DOWN LOCATION WITH OWNER. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT DATA DROP, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER. PROVIDE BOX RECESSED IN WALL WITH (2) TWO PORT RJ-45 COVER.	18" AFF

ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISH FLOOR
AFC	ABOVE FINISH CEILING
AFG	ABOVE FINISH GRADE
AMP, A	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH; SEE TRANSFER SWITCH SCHEDULE
AWG	AMERICAN WIRE GUAGE
BFC	BELOW FINISHED CEILING
CL	CENTERLINE
CT	COUNTERTOP
EC	ELECTRICAL CONDUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INDICATOR
CON ED	CON EDISON (LOCAL ELECTRIC UTILITY)
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NTS	NOT TO SCALE
UON	UNLESS OTHERWISE NOTED
UC	UNDERCOUNTER
V	VOLTS
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLT DIRECT CURRENT
X-FMR	TRANSFORMER
WP	WEATHERPROOF

SYMBOL	DESCRIPTION	COMMENTS
T	LINE VOLTAGE THERMOSTAT, 120V, 10A.	
	CIRCUIT BREAKER WITH TRIP AND POLES AS NOTED.	
TS1	TRANSFER SWITCH TS1; SEE TRANSFER SWITCH SCHEDULE.	
M.C.B 100A/3P PANEL "P1"	DISTRIBUTION PANEL P1 WITH 30A, 2 POLE M.C.B.; SEE DISTRIBUTION PANEL SCHEDULE.	
	DISCONNECT SWITCH DS1, 100A, 3 POLES; SEE DISCONNECT SWITCH SCHEDULE.	
DS3 100A/3P	FUSED DISCONNECT SWITCH DS2, FUSED AT 40A, 3 POLES; SEE DISCONNECT SWITCH SCHEDULE.	
G1	GENERATOR SET G1	
M	ELECTRIC METER AND METER PAN AS PER PSEG REQUIREMENTS.	
5	MOTOR, NUMBER INDICATED HORSEPOWER.	
	CURRENT TRANSFORMER.	
PTS	VOLTAGE TRANSFORMER.	
T2	TRANSFORMER WITH SIZE, PRIMARY AND SECONDARY VOLTAGES AS NOTED.	
RVRM 10	REDUCED VOLTAGE SOLID STATE RAMPING MODULE, SIZED FOR 10 H.P.	
RVSS 150	REDUCED VOLTAGE SOLID STATE STARTER, SIZED FOR 150 H.P.	
VFD 25	VARIABLE FREQUENCY DRIVE, RATED FOR 25 H.P.	
FVNR 5	FULL VOLTAGE NON-REVERSING STARTER, NEMA SIZE 6	
FVR 5	FULL VOLTAGE REVERSING STARTER, NEMA SIZE 5	
JJS	FAST ACTING SOLID STATE FUSES AS PER MANUFACTURER.	
	MULTIPLE BRANCH CIRCUITS AS REQUIRED.	
	CONTROL CIRCUIT; MIN 2 #12 AWG IN 3/4" E.C.	

COMMUNICATIONS LEGEND

SYMBOL	DESCRIPTION	
W	WALL MOUNTED IP ENABLED CAMERA SHALL BE PROVIDED AND INSTALLED BY DISTRICT. PROVIDE CAT6 CABLE TO PATCH PANEL IN SECOND FLOOR OFFICE. COORDINATE RACK AND PUNCH DOWN LOCATION WITH I.T. DEPARTMENT. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT CAMERA, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER. ALL PROGRAMMING AND LICENSING OF CAMERAS TO BE BY DISTRICT. COORDINATE EXACT MOUNTING HEIGHT, LOCATION, AND AIMING ANGLE WITH DISTRICT.	10'-0" AFG
C	CEILING MOUNTED IP ENABLED CAMERA SHALL BE PROVIDED AND INSTALLED BY DISTRICT. PROVIDE CAT6 CABLE TO PATCH PANEL IN SECOND FLOOR OFFICE. COORDINATE RACK AND PUNCH DOWN LOCATION WITH I.T. DEPARTMENT. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT CAMERA, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER. ALL PROGRAMMING AND LICENSING OF CAMERAS TO BE BY DISTRICT. COORDINATE EXACT MOUNTING HEIGHT, LOCATION, AND AIMING ANGLE WITH DISTRICT.	FLUSH

ELECTRICAL SHEET LIST

Sheet Number	Sheet Name
E 001	ELECTRICAL GENERAL NOTES AND LEGENDS
ED 111	ELECTRICAL DEMOLITION PLAN FIRST FLOOR
ED 112	ELECTRICAL DEMOLITION PLAN SECOND FLOOR
ED 113	ELECTRICAL DEMOLITION PLAN ROOF
ES 100	ELECTRICAL SITE PLAN
E 101	ELECTRICAL POWER PLAN FIRST FLOOR
E 102	ELECTRICAL POWER PLAN SECOND FLOOR
E 111	ELECTRICAL HVAC POWER PLAN FIRST FLOOR
E 112	ELECTRICAL HVAC POWER PLAN SECOND FLOOR
E 113	ELECTRICAL HVAC POWER PLAN ROOF
E 121	ELECTRICAL LIGHTING PLAN FIRST FLOOR
E 122	ELECTRICAL LIGHTING PLAN SECOND FLOOR
E 140	ELECTRICAL GENERATOR PLAN
E 500	ELECTRICAL DETAILS
E 540	ELECTRICAL GENERATOR DETAILS
E 600	ELECTRICAL SCHEDULES
E 601	ELECTRICAL PANEL SCHEDULES
E 610	ELECTRICAL SINGLE LINE DIAGRAM

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

MOUNT KISCO NEW YORK

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

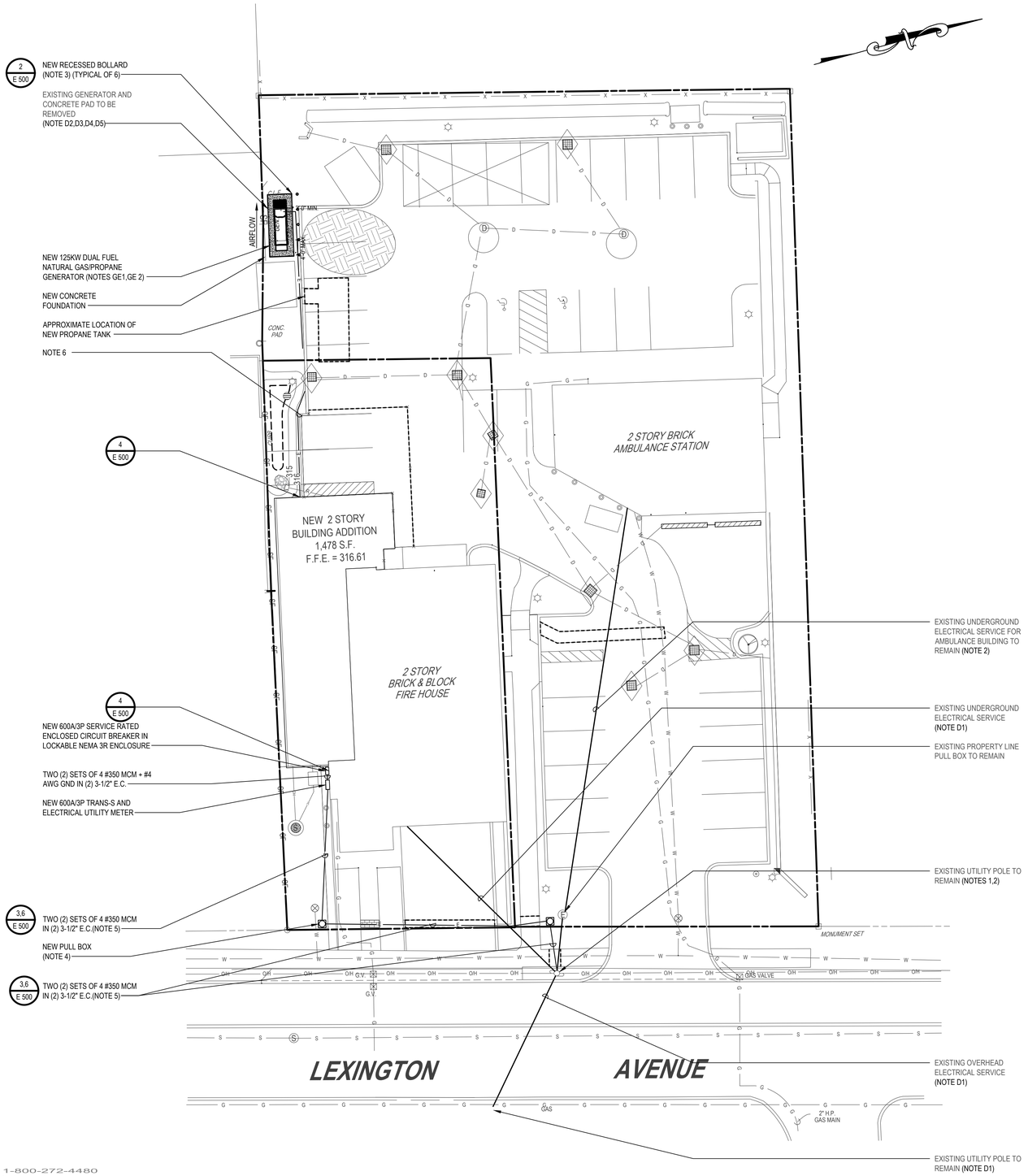
ELECTRICAL GENERAL NOTES AND LEGENDS

DRAWING No.

E 001

C:\Users\djhansen\Documents\MKIV1803_Central19_M_djhansen.rvt

12/17/2021 11:05:00 AM



811 1-800-272-4480
Dig Safely. New York
Call811
before you dig
www.digsafelynewyork.com

ELECTRICAL GENERAL SITE PLAN NOTES:

GS1. CONTRACTOR SHALL INSPECT CONSTRUCTION SITE PRIOR TO SUBMISSION OF BIDS AND SHALL MAKE NO ADDITIONAL CLAIMS REGARDING SITE CONDITIONS THEREAFTER.

GS2. LOCATION OF ALL UNDERGROUND UTILITIES BOTH PUBLIC AND CUSTOMER OWNED, WERE OBTAINED FROM EITHER MAPS, SURVEYS, DRAWINGS AND RECORDS SUPPLIED BY OTHERS. THE OWNER AND ENGINEER DO NOT GUARANTEE OR ACCEPT RESPONSIBILITY FOR ANY DAMAGE TO SUCH FACILITIES DUE TO DISCREPANCIES IN LOCATION AND SIZE SHOWN ON THE PLANS OR THOSE UTILITIES NOT SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A PRIVATE MARKOUT COMPANY FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL LOCATE ALL UTILITIES WITHIN PROXIMITY OF CONSTRUCTION LIMITS.

GS3. CONTRACTOR SHALL COMPLETELY RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO GRASS AREAS, LANDSCAPING, PAVEMENTS, SIDEWALKS, CURBING AND IN-GROUND SPRINKLER SYSTEMS.

GS4. THE CONTRACTOR SHALL PERFORM DAILY CLEAN-UP OPERATIONS WHICH INCLUDE REMOVAL OF DEBRIS AND EXCESS CONSTRUCTION MATERIAL TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.

GS5. DURING ALL NON-WORKING HOURS, THE CONTRACTOR WILL BE REQUIRED TO STORE ALL EQUIPMENT AND MATERIALS WITHIN THE AREA DESIGNATED BY THE ENGINEER AT THE PROJECT SITE.

GS6. PROVIDE TEMPORARY FENCING TO PROTECT WORK AREAS.

GS7. CONTRACTOR SHALL MINIMIZE REMOVAL OF EXISTING TREES. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LAYOUT, TAGGING AND REMOVAL OF TREES REQUIRED TO COMPLETE ALL WORK. OWNER SHALL APPROVE TREES TO BE REMOVED PRIOR TO ACTUAL REMOVALS. REMOVALS SHALL INCLUDE REMOVAL OF COMPLETE STUMP AND ROOT SYSTEM. CONTRACTOR NOT PERMITTED TO GRIND STUMPS.

GS8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LAYOUT SURVEY, ETC. AS REQUIRED TO COMPLETE THE WORK.

GS9. CONCRETE SIDEWALKS SHALL BE SAWCUT BACK TO EXPANSION/ CONTROL JOINTS.

ELECTRICAL DEMOLITION SITE PLAN KEY NOTES:

D1. CON EDISON SHALL REMOVE AND DISPOSE OF EXISTING SERVICE AND SERVICE RISER ONCE NEW SERVICE IS INSTALLED. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SECONDARY SERVICE CONDUCTORS AND ALL ASSOCIATED CONDUIT. CONTRACTOR SHALL REPAIR SURFACES TO MATCH EXISTING. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING POLE MOUNTED UTILITY TRANSFORMERS WITH CON EDISON.

D2. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING GENERATOR, DIESEL FUEL TANK AND CONCRETE CONTAINMENT STRUCTURE IN ACCORDANCE WITH EPA STANDARDS. UNREGISTER TANK AS REQUIRED. REMOVE AND DISPOSE OF INCLUDES ALL FUEL PIPING, ELECTRICAL WIRING, AND CONDUIT BACK TO SOURCE

D3. CONTRACTOR SHALL REMOVE ANY REMAINING STORED PRODUCT AND ACCUMULATED SLUDGE/SOLIDS REMAINING IN TANKS TO THE SATISFACTION OF THE NEW YORK STATE D.E.C.

D4. REMOVAL AND DISPOSAL OF THE DIESEL STORAGE TANK WILL INCLUDE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT AND COORDINATE WITH N.Y.S. DEC AND COMPLY WITH THE REQUIREMENTS FOR INSPECTION AND RECORDS KEEPING.

D5. REMOVAL OF THE DIESEL STORAGE TANK WILL INCLUDE THE STEEL TANK, CONCRETE SLAB, FILL BOXES, VENTS, PRODUCT PIPING AND TANK MONITORING.

ELECTRICAL SITE PLAN KEY NOTES:

1. NEW ELECTRIC SERVICE RISER AS PER UTILITY REQUIREMENTS. CONTRACTOR SHALL COORDINATE WITH CON EDISON.
2. CONTRACTOR SHALL NOTE THAT THERE ARE TWO (2) ELECTRICAL SERVICES UTILIZING THE SAME UTILITY POLE. CONTRACTOR SHALL OBTAIN A UTILITY MARK OUT TO DETERMINE WHICH SERVICE FEEDS EACH BUILDING. THE ELECTRICAL SERVICE FOR THE 2 STORY BRICK AMBULANCE STATION SHALL NOT BE DISTURBED.
3. BOLLARDS SHALL BE INSTALLED 4'-0" ON CENTER MAXIMUM. BOLLARDS SHALL BE 3'-0" MINIMUM AWAY FROM GENERATOR AS SHOWN.
4. CONTRACTOR SHALL PROVIDE AND INSTALL NEW PULLBOX. SITE PLAN SHOWS MINIMUM REQUIRED PULL BOXES. PROVIDE ADDITIONAL PULL BOXES AS REQUIRED BY NEC AND UTILITY SERVICE REQUIREMENTS.
5. SAW-CUT EXISTING PAVEMENT/SIDEWALK/CURBING FOR INSTALLATION OF NEW CONDUITS. REMOVE AND DISPOSE OF ALL DEBRIS.
6. REFER TO SINGLE LINE DIAGRAM ON DRAWING E 610 FOR ADDITIONAL INFORMATION.

GENERATOR NOTE:

GE1. NEW GENERATOR AND CONCRETE FOUNDATION. GENERATOR SHALL BE PROVIDED BY DISTRICT AND INSTALLED BY CONTRACTOR. EXACT INSTALLATION LOCATION OF GENERATOR AND CONCRETE FOUNDATION SHALL BE COORDINATED WITH DISTRICT AND ENGINEER. FINAL LOCATION SHALL BE STAKED OUT AND APPROVED PRIOR TO INSTALLATION.

GE2. CONTRACTOR SHALL PROVIDE ALL RIGGING OF GENSET INTO FINAL LOCATION. CONTRACTOR SHALL COORDINATE ALL CONDUIT AND GAS PIPING STUB UP LOCATIONS WITH OWNER PROVIDED GENSET AND CONCRETE PAD PRIOR TO CONSTRUCTION.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

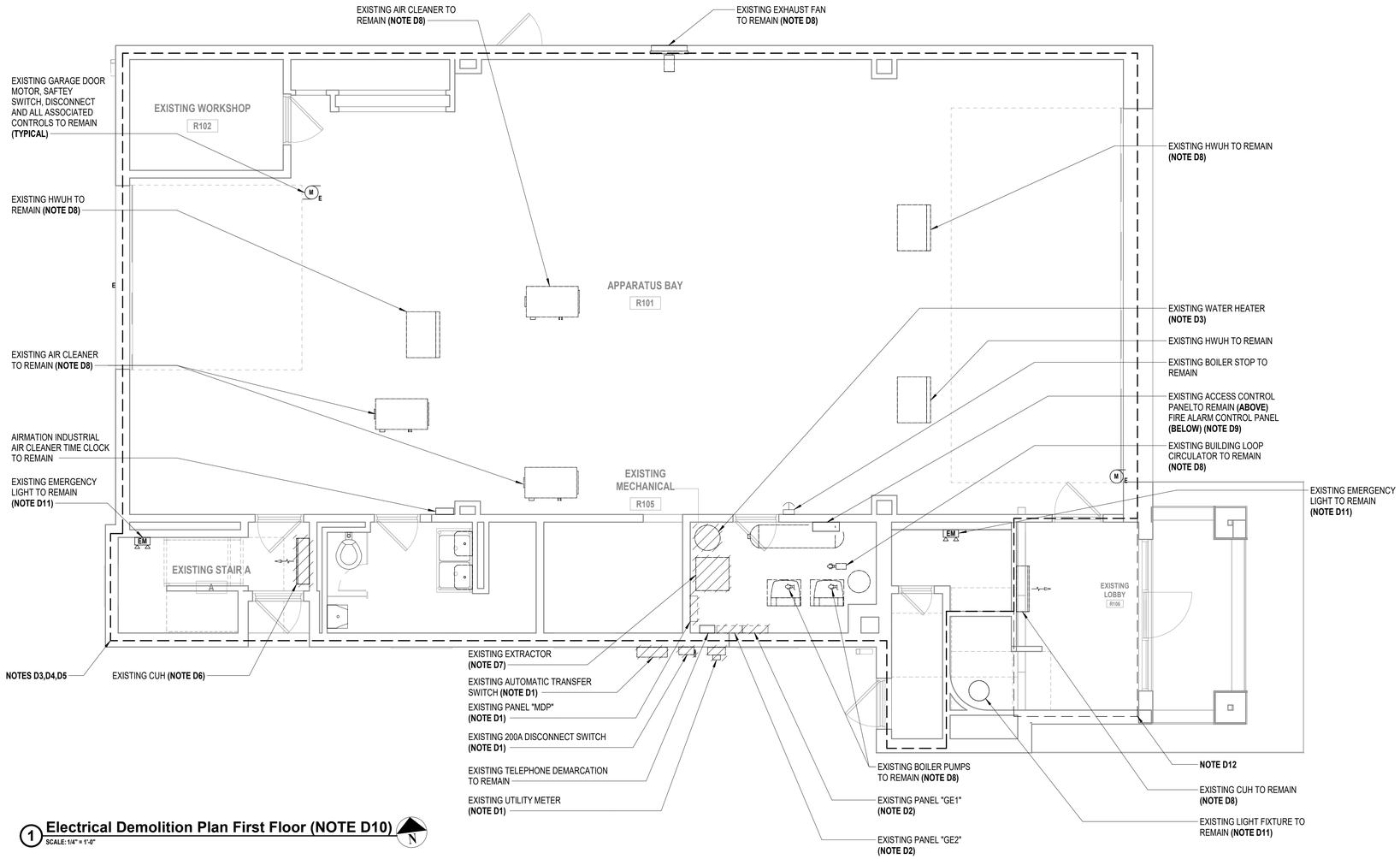
ELECTRICAL SITE PLAN

DRAWING No.

ES 100

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:11 AM



1 Electrical Demolition Plan First Floor (NOTE D10)

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

LEGENDS	
	REMOVE & DISPOSE OF, U.O.N

ELECTRICAL DEMOLITION GENERAL NOTES:

G1. REMOVE AND DISPOSE OF INCLUDES REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS,WIRES, AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.

G2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.

G3. ALL CONDUITS SPECIFIED TO BE REMOVED SHALL BE CUT FLUSH WITH THE SURFACE AND SURFACE SHALL BE PATCHED UNLESS OTHERWISE NOTED. SURFACE SHALL BE PRIMED AND PAINTED TO MATCH EXISTING.

G4. WHERE CONDUITS AND WIRING PASS THROUGH WORK AREA AND/OR ARE SCHEDULED TO REMAIN, CONTRACTOR SHALL REROUTE EXISTING CONDUIT AND WIRING. PROVIDE CONDUIT, WIRE, AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR.

ELECTRICAL DEMOLITION KEY NOTES:

D1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MAIN ELECTRICAL SERVICE ENTRANCE EQUIPMENT INCLUDING BUT NOT LIMITED TO MAIN DISTRIBUTION PANEL "MDP", UTILITY METER, MAIN SERVICE DISCONNECT SWITCH, AUTOMATIC TRANSFER SWITCH, AND ALL ASSOCIATED CONDUITS AND WIRES BACK TO SOURCE.

D2. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING DISTRIBUTION PANEL BACK TO SOURCE, INCLUDING BUT NOT LIMITED TO CIRCUIT BREAKERS, BUS, COVERS, BACKBOX, MAIN FEEDER AND SUB DISTRIBUTION FEEDERS.

D3. CONTRACTOR SHALL REMOVE AND DISPOSE OF WIRING DEVICES, INCLUDING BUT NOT LIMITED TO SPEAKERS, FIRE ALARM DEVICES, SWITCHES, SENSORS, RECEPTACLES, DATA AND/OR TELEPHONE OUTLETS, AND ALL ASSOCIATED CONDUITS AND WIRES BACK TO SOURCE, UNLESS OTHERWISE NOTED. COORDINATE WORK WITH GENERAL CONTRACTOR AND ARCHITECT/ENGINEER IN FIELD.

D4. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL LIGHTING FIXTURES INCLUDING BUT NOT LIMITED TO HOUSING, BALLASTS, BULBS, MOUNTING HARDWARE, ACCESSORIES, ASSOCIATED SWITCHES, AND CONDUIT AND WIRE BACK TO SOURCE IN THIS AREA, UNLESS OTHERWISE NOTED.

D5. CONTRACTOR SHALL HANDLE, REMOVE, AND DISPOSE OF ALL MERCURY CONTAINING BULBS AND PCB CONTAINING BALLASTS SCHEDULED FOR DEMOLITION PLAN IN ACCORDANCE WITH EPA STANDARDS. CONTRACTOR SHALL ASSUME ALL EXISTING FLUORESCENT FIXTURES CONTAIN PCB CONTAINING BALLASTS AND MERCURY CONTAINING LAMPS.

D6. EQUIPMENT IDENTIFIED TO BE REMOVED. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE.

D7. CONTRACTOR SHALL REMOVE AND STORE EXISTING EXTRACTOR. REMOVE AND DISPOSE OF ALL ASSOCIATED HARDWARE AND ACCESSORIES, RECEPTACLE, AND EXISTING WIRE AND CONDUIT BACK TO SOURCE.

D8. EQUIPMENT IDENTIFIED TO REMAIN. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE. ALL EXISTING LINE VOLTAGE AND LOW VOLTAGE CONTROLS SHALL REMAIN FOR RE-USE. PRIOR TO REMOVAL, CONTRACTOR SHALL VERIFY VOLTAGE AND PHASE OF EQUIPMENT. IF VOLTAGE AND PHASE DOES NOT MATCH NEW CIRCUIT BREAKER TO BE PROVIDED FOR EQUIPMENT, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IN WRITING.

D9. EXISTING FIRE ALARM SYSTEM TO BE DISCONNECTED AND REMOVED IN IT'S ENTIRETY AFTER NEW FIRE ALARM SYSTEM HAS BEEN INSTALLED, TESTED AND ACCEPTED BY OWNER, ENGINEER, AND AHJ. ALL EQUIPMENT, CONDUIT, AND WIRING TO BE REMOVED FROM DEVICES BACK TO SOURCE. CONTRACTOR SHALL PATCH, PRIME, AND PAINT TO MATCH EXISTING SURFACES. PROVIDE AND INSTALL NEW CEILING TILES AS REQUIRED TO MATCH EXISTING FINISHES AT LOCATIONS WHERE DEVICES ARE SCHEDULED FOR DEMOLITION WITHOUT REPLACEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING GROUT, SILICON, FIRESTOPPING, PAINT, CEILING TILES, AND OTHER ACCESSORIES TO MATCH EXISTING FINISHES.

D10. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL BUILDING-MOUNTED EXTERIOR LIGHTING, UNLESS OTHERWISE NOTED. REMOVE AND DISPOSE OF WIRE AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.

D11. FIXTURE TO REMAIN. REMOVE AND DISPOSE OF WIRE AND CONDUIT BACK TO SOURCE.

D12. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL LIGHTING FIXTURES INCLUDING BUT NOT LIMITED TO HOUSING, BALLASTS, BULBS, MOUNTING HARDWARE, ACCESSORIES, AND ASSOCIATED SWITCHES, IN THIS AREA, UNLESS OTHERWISE NOTED. EXISTING WIRE AND CONDUIT TO REMAIN.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

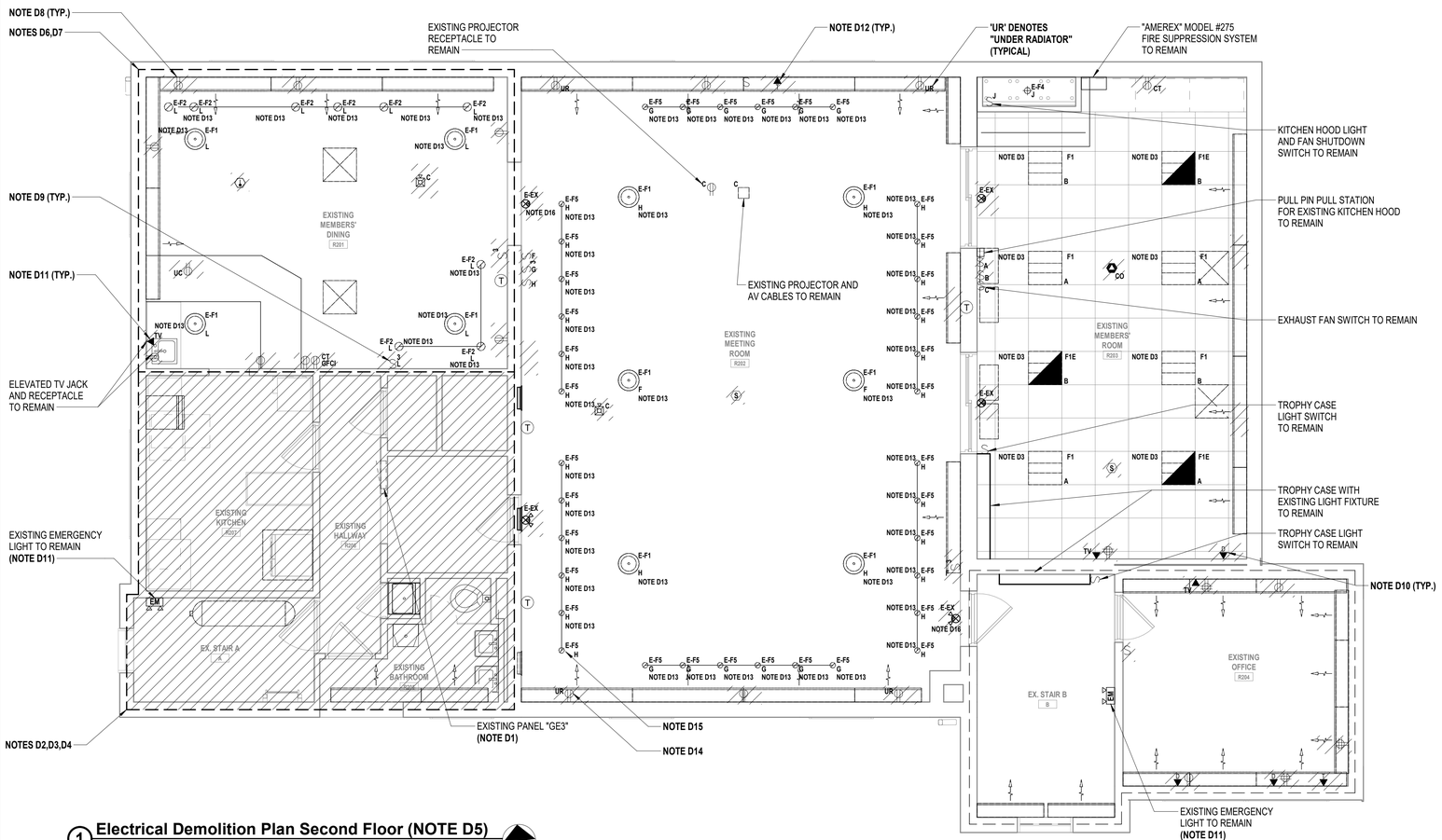
ELECTRICAL DEMOLITION PLAN FIRST FLOOR

DRAWING No.

ED 111

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:09 AM



1 Electrical Demolition Plan Second Floor (NOTE D5)

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

LEGENDS

	REMOVE & DISPOSE OF, U.O.N

ELECTRICAL DEMOLITION GENERAL NOTES:

G1. REMOVE AND DISPOSE OF INCLUDES REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS,WIRES, AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.

G2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.

G3. ALL CONDUITS SPECIFIED TO BE REMOVED SHALL BE CUT FLUSH WITH THE SURFACE AND SURFACE SHALL BE PATCHED UNLESS OTHERWISE NOTED. SURFACE SHALL BE PRIMED AND PAINTED TO MATCH EXISTING.

G4. WHERE CONDUITS AND WIRING PASS THROUGH WORK AREA AND/OR ARE SCHEDULED TO REMAIN, CONTRACTOR SHALL REROUTE EXISTING CONDUIT AND WIRING. PROVIDE CONDUIT, WIRE, AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR.

ELECTRICAL DEMOLITION KEY NOTES:

D1. CONTRACTOR SHALL REMOVE AND STORE EXISTING PANEL "GE3" INCLUDING BUT NOT LIMITED TO CIRCUIT BREAKERS, BUS, COVERS AND ALL ASSOCIATED MOUNTING HARDWARE AND ACCESSORIES DURING ACTIVE DEMOLITION. EXISTING BACKBOX, MAIN FEEDER AND SUB DISTRIBUTION FEEDERS TO REMAIN. ONCE ACTIVE DEMOLITION AND CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL USE EXISTING BACKBOX AS A SPLICE BOX/WIRE BENDING SPACE TO REINSTALL PANEL "GE3" IN NEW LOCATION SHOWN. REFER TO DRAWING E 102 FOR ADDITIONAL INFORMATION.

D2. CONTRACTOR SHALL REMOVE AND DISPOSE OF WIRING DEVICES, INCLUDING BUT NOT LIMITED TO SPEAKERS, FIRE ALARM DEVICES, SWITCHES, SENSORS, RECEPTACLES, DATA AND/OR TELEPHONE OUTLETS, AND ALL ASSOCIATED CONDUITS AND WIRES BACK TO SOURCE, UNLESS OTHERWISE NOTED. COORDINATE WORK WITH GENERAL CONTRACTOR AND ARCHITECT/ENGINEER IN FIELD.

D3. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL LIGHTING FIXTURES INCLUDING BUT NOT LIMITED TO HOUSING, BALLASTS, BULBS, MOUNTING HARDWARE, ACCESSORIES, ASSOCIATED SWITCHES, AND CONDUIT AND WIRE BACK TO SOURCE IN THIS AREA, UNLESS OTHERWISE NOTED.

D4. CONTRACTOR SHALL HANDLE, REMOVE, AND DISPOSE OF ALL MERCURY CONTAINING BULBS AND PCB CONTAINING BALLASTS SCHEDULED FOR DEMOLITION PLAN IN ACCORDANCE WITH EPA STANDARDS. CONTRACTOR SHALL ASSUME ALL EXISTING FLUORESCENT FIXTURES CONTAIN PCB CONTAINING BALLASTS AND MERCURY CONTAINING LAMPS.

D5. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL BUILDING-MOUNTED EXTERIOR LIGHTING, UNLESS OTHERWISE NOTED. REMOVE AND DISPOSE OF WIRE AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.

D6. RE-USE EXISTING COVER PLATES FOR ALL RECEPTACLES, DATA, TELEPHONE, AND TELEVISION JACKS TO MATCH EXISTING FINISH.

D7. RE-USE EXISTING COVER PLATES FOR ALL LIGHT SWITCHES TO MATCH EXISTING FINISH.

D8. CONTRACTOR SHALL REPLACE EXISTING RECEPTACLE WITH A NEW RECEPTACLE IN THE SAME LOCATION. RE-USE EXISTING WIRE/CONDUIT. PROVIDE AND EXTEND WIRE/CONDUIT AS REQUIRED. TYPICAL FOR ALL RECEPTACLES SHOWN, U.O.N.

D9. CONTRACTOR SHALL REPLACE EXISTING LIGHT SWITCH WITH A NEW LIGHT SWITCH IN THE SAME LOCATION. RE-USE EXISTING WIRE/CONDUIT. PROVIDE AND EXTEND WIRE/CONDUIT AS REQUIRED. TYPICAL FOR ALL SWITCHES SHOWN, U.O.N.

D10. CONTRACTOR SHALL REPLACE EXISTING DATA JACK WITH A NEW DATA JACK IN THE SAME LOCATION. RE-USE EXISTING WIRE. TYPICAL FOR ALL DATA JACKS SHOWN, U.O.N.

D11. CONTRACTOR SHALL REPLACE EXISTING TELEVISION JACK WITH A NEW TELEVISION JACK IN THE SAME LOCATION. RE-USE EXISTING WIRE. TYPICAL FOR ALL TELEVISION JACKS SHOWN, U.O.N.

D12. CONTRACTOR SHALL REPLACE EXISTING TELEPHONE JACK WITH A NEW TELEPHONE JACK IN THE SAME LOCATION. RE-USE EXISTING WIRE. TYPICAL FOR ALL TELEPHONE JACKS SHOWN, U.O.N.

D13. EXISTING LIGHT FIXTURE TRIM/TRACK TO REMAIN. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE LAMP AND REPLACE WITH NEW LIGHT FIXTURE LAMP. REFER TO LIGHT FIXTURE SCHEDULES FOR ADDITIONAL INFORMATION.

D14. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING RECEPTACLE AND ALL ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE. PROVIDE AND INSTALL BLANK FACEPLATE. COORDINATE WITH ARCHITECT/OWNER WITH FACEPLATE COVER COLOR PRIOR TO ORDERING AND INSTALLATION.

D15. CONTRACTOR SHALL MODIFY AND/OR REMOVE SECTION OF EXISTING TRACK AND ASSOCIATED LIGHT FIXTURE CONFLICTING WITH NEW CONSTRUCTION AS REQUIRED TO ALLOW FOR NEW CONSTRUCTION.

D16. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING EXIT SIGN AND ALL ASSOCIATED HARDWARE AND ACCESSORIES. EXISTING WIRE AND CONDUIT TO REMAIN.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

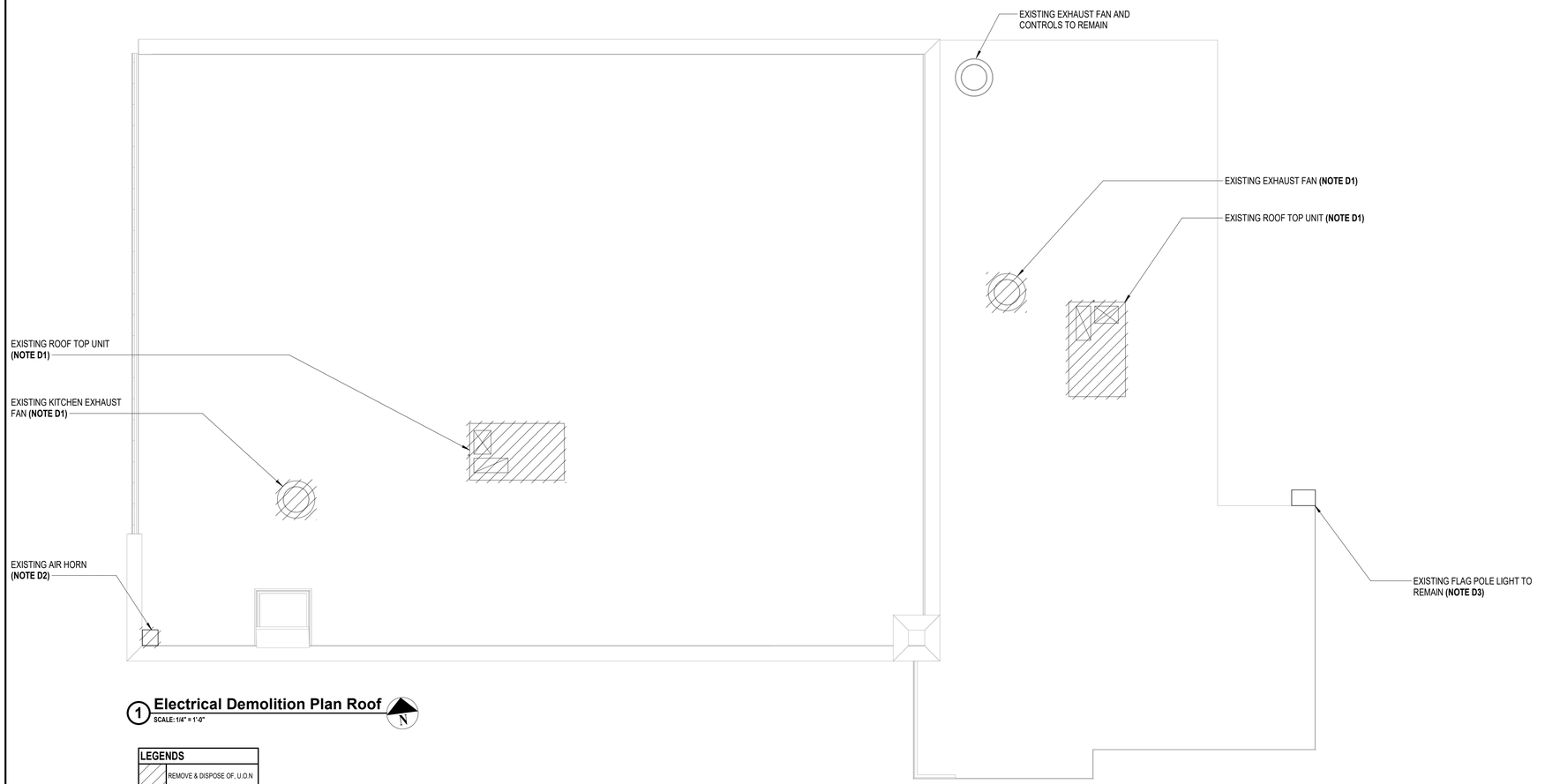
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
ELECTRICAL DEMOLITION PLAN SECOND FLOOR

DRAWING No.
ED 112

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt
12/17/2021 11:05:11 AM



1 Electrical Demolition Plan Roof

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

N

LEGENDS

▨	REMOVE & DISPOSE OF, U.O.N

ELECTRICAL DEMOLITION GENERAL NOTES:

G1. REMOVE AND DISPOSE OF INCLUDES REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS,WIRES, AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.

G2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.

G3. ALL CONDUITS SPECIFIED TO BE REMOVED SHALL BE CUT FLUSH WITH THE SURFACE AND SURFACE SHALL BE PATCHED UNLESS OTHERWISE NOTED. SURFACE SHALL BE PRIMED AND PAINTED TO MATCH EXISTING.

G4. WHERE CONDUITS AND WIRING PASS THROUGH WORK AREA AND/OR ARE SCHEDULED TO REMAIN, CONTRACTOR SHALL REROUTE EXISTING CONDUIT AND WIRING. PROVIDE CONDUIT, WIRE, AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR.

ELECTRICAL DEMOLITION KEY NOTES:

D1. EQUIPMENT IDENTIFIED TO BE REMOVED. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE.

D2. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING AIR HORN AND ALL ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.

D3. CONTRACTOR SHALL NOTE EXISTING FLAG POLE LIGHT FIXTURE TO REMAIN. REMOVE AND DISPOSE OF EXISTING WIRE AND CONDUIT BACK TO SOURCE.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL DEMOLITION PLAN ROOF

DRAWING No.

ED 113

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:11 AM

ELECTRICAL KEY NOTES:

1. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL COORDINATE MOUNT RECEPTACLES AT LOWEST POINT OF ELEVATOR CAR TRAVEL AND EASILY ACCESSIBLE FROM THE PIT LADDER. COORDINATE EXACT HEIGHT AND LOCATION WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.
3. USB RECEPTACLES TO BE CEILING MOUNTED ABOVE LOCKERS. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
4. REFER TO DRAWING E610 FOR SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR INSTALLATION.
6. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH WATER FOUNTAIN INSTALLER PRIOR TO INSTALLATION.
7. CONTRACTOR SHALL SPLICE EXISTING GARAGE DOOR MOTOR CONTROLS. PROVIDE AND/OR MODIFY EXISTING WIRE AND CONDUIT AS REQUIRED TO PROVIDE AND EXTEND EXISTING WIRE AND CONDUIT TO TERMINATE TO NEW CONTROLS LOCATED IN RADIO ROOM.
8. CONTRACTOR SHALL MOUNT RECEPTACLE AND DATA DROP AT 8'-0" AFF. COORDATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO INSTALLATION.
9. DATA DROP FOR IP COMMUNICATION TO CENTRAL STATION. CONTRACTOR SHALL COORDINATE WITH OWNER FOR EXACT TELEPHONE LOCATION FOR NEW VOICE OVER IP TELEPHONE SYSTEM. CONTRACTOR SHALL PROVIDE AND INSTALL ALL TELEPHONE TERMINATIONS AND SYSTEM PROGRAMMING AS REQUIRED.
10. JUNCTION BOX FOR FUTURE WASHER. CONTRACTOR SHALL PROVIDE AND INSTALL NEW JUNCTION BOX 'JBW' IN NEW GEAR ROOM WITH NYLON PULL STRING IN 3/4" E.C. BACK TO NEW JUNCTION BOX 'JBW1' LOCATED IN ELECTRICAL ROOM. PROVIDE AND INSTALL PHNEOLIC NAME PLATE AT BOTH JUNCTION BOX 'JBW' AND 'JBW1' STATING "FOR FUTURE WASHING MACHINE". COORDINATE EXACT MOUNTING HEIGHT WITH OWNER PRIOR TO INSTALLATION.
11. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CONTROL BUTTON FOR EXISTING APPARATUS BAY DOOR IN RADIO ROOM. PROVIDE ALL PROGRAMMING AS REQUIRED.
12. COORDINATE EXACT WIRE AND CONDUIT SIZE WITH ELEVATOR INSTALLER PRIOR TO ORDERING AND INSTALLATION.
13. CONTRACTOR SHALL NOTE TO PROVIDE AND INSTALL ALL NECESSARY ACCESSORIES/CONTROLS AS REQUIRED TO PROVIDE POWER TO EXISTING EQUIPMENT AS PER PRIOR TO DEMOLITION.
14. CONTRACTOR SHALL COORDINATE EXACT TERMINATION LOCATION WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
15. CONTRACTOR SHALL COORDINATE MOUNTING HEIGH AND LOCATION WITH GEAR RACK INSTALLER AND ARCHITECT/OWNER IN FIELD. WIREMOLD SHALL BE POWER FROM CEILING VIA POWER POLE.

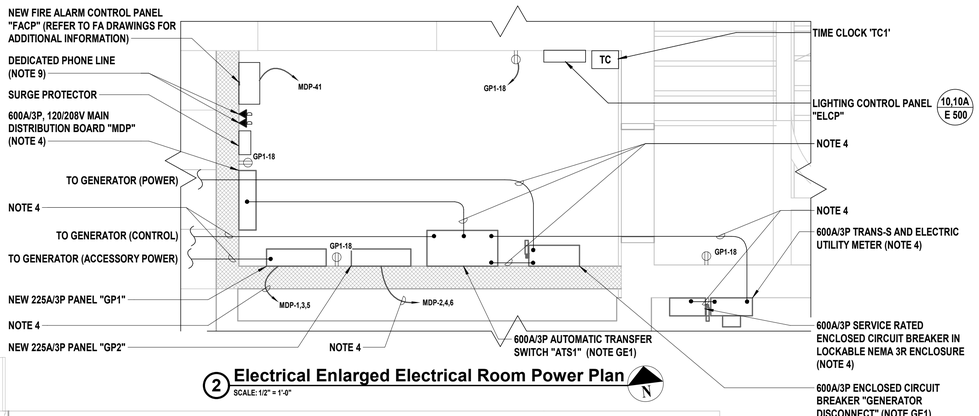
GENERATOR/AUTOMATIC TRANSFER SWITCH NOTE:

GE1. GENERATOR AND AUTOMATIC TRANSFER SWITCH SHALL BE FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. CONTRACTOR SHALL INCLUDE ALL COSTS FOR LABOR AND MATERIALS FOR NEW WIRE/CONDUIT, TERMINATIONS, AND ALL ASSOCIATED DISCONNECT SWITCHES, MOUNTING HARDWARE, AND OTHER ACCESSORIES ASSOCIATED WITH NEW TRANSFER SWITCH.

ADD/ALTERNATE NOTES:

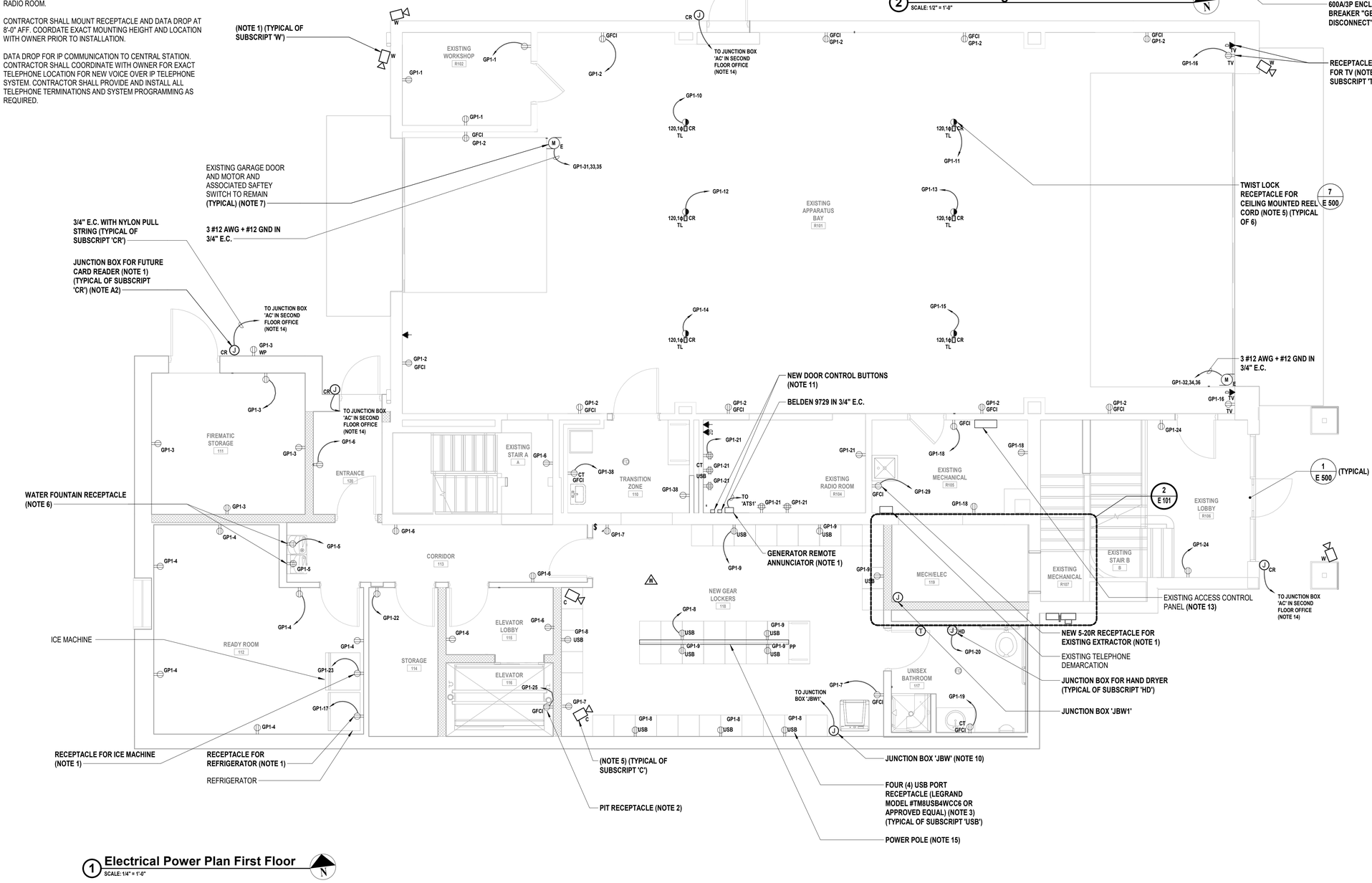
A1. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 01, ONLY.

A2. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 02, ONLY.



2 Electrical Enlarged Electrical Room Power Plan

SCALE: 1/2" = 1'-0"



1 Electrical Power Plan First Floor

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

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

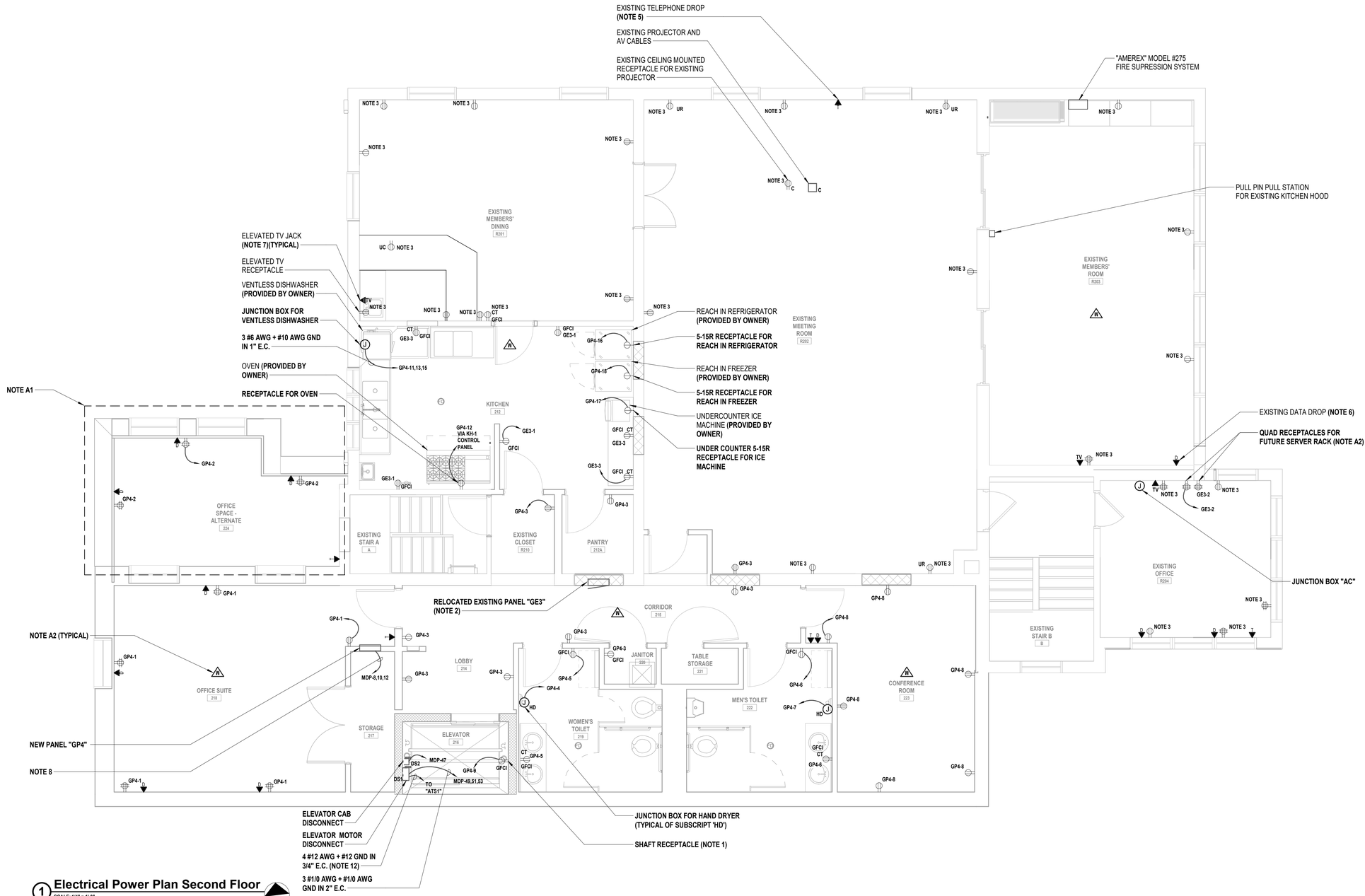
ELECTRICAL POWER PLAN FIRST FLOOR

DRAWING No.

E 101

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:01 AM



Electrical Power Plan Second Floor

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

ELECTRICAL KEY NOTES:

1. CONTRACTOR SHALL COORDINATE MOUNT RECEPTACLES AT HEIGHEST POINT OF ELEVATOR CAR TRAVEL. COORDINATE EXACT HEIGHT WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL PROVIDE, EXTEND AND/OR MODIFY EXISTING MAIN DISTRIBUTION FEEDERS TO TERMINATE TO NEW LOCATION OF EXISTING PANEL "GE3".
3. CONTRACTOR SHALL PROVIDE AND EXTEND EXISTING WIRE AND CONDUIT AS REQUIRED TO TERMINATE TO NEW RECEPTACLE AND RELOCATED PANEL "GE3".
4. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL PROVIDE AND INSTALL NEW TELEPHONE JACK IN SAME LOCATION. RE-USE EXISTING WIRE AND CONDUIT.
6. CONTRACTOR SHALL PROVIDE AND INSTALL NEW DATA JACK IN SAME LOCATION. RE-USE EXISTING WIRE AND CONDUIT.
7. CONTRACTOR SHALL PROVIDE AND INSTALL NEW TELEVISION JACK. RE-USE EXISTING WIRE AND CONDUIT.
8. REFER TO DRAWING E610 FOR SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.

ADD/ALTERNATE NOTES:

A1. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 01, ONLY.

A3. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 03, ONLY.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		*

PROJECT No:	DATE:	SCALE:
MKV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL POWER PLAN SECOND FLOOR

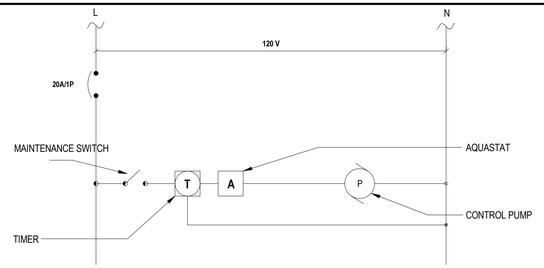
DRAWING No.

E 102

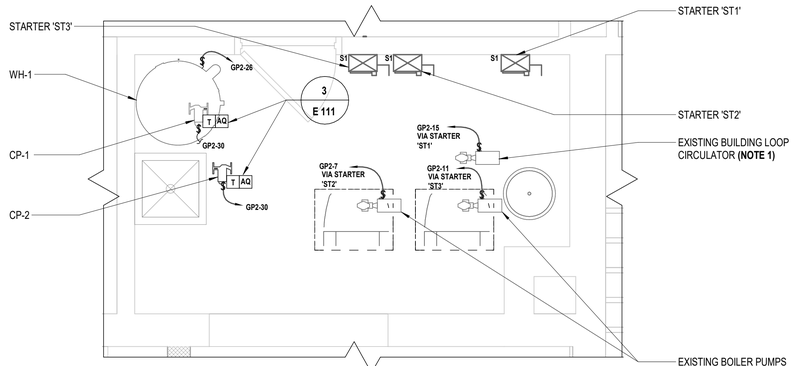
C:\Users\dhansen\Documents\MKV1803_Central19_M_dhansen.rvt
12/17/2021 11:05:03 AM

ELECTRICAL KEY NOTE:

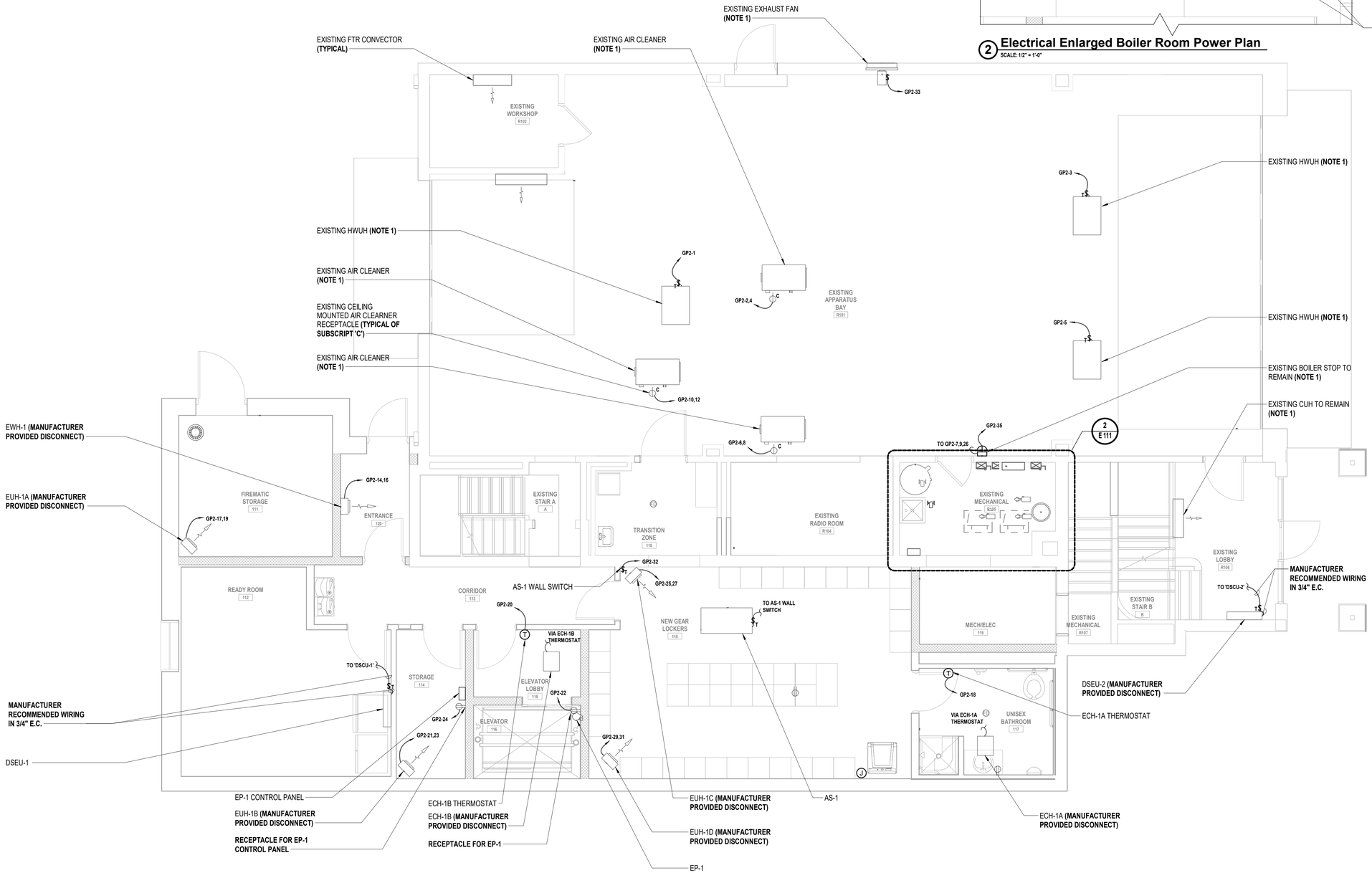
1. CONTRACTOR SHALL NOTE TO PROVIDE AND INSTALL ALL NECESSARY ACCESSORIES/CONTROLS AS REQUIRED TO PROVIDE POWER TO EXISTING EQUIPMENT AS PER PRIOR TO DEMOLITION.



3 Pump Control Schematic
SCALE:NTS



2 Electrical Enlarged Boiler Room Power Plan
SCALE: 1/2" = 1'-0"



1 Electrical HVAC Power Plan First Floor
SCALE: 1/4" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

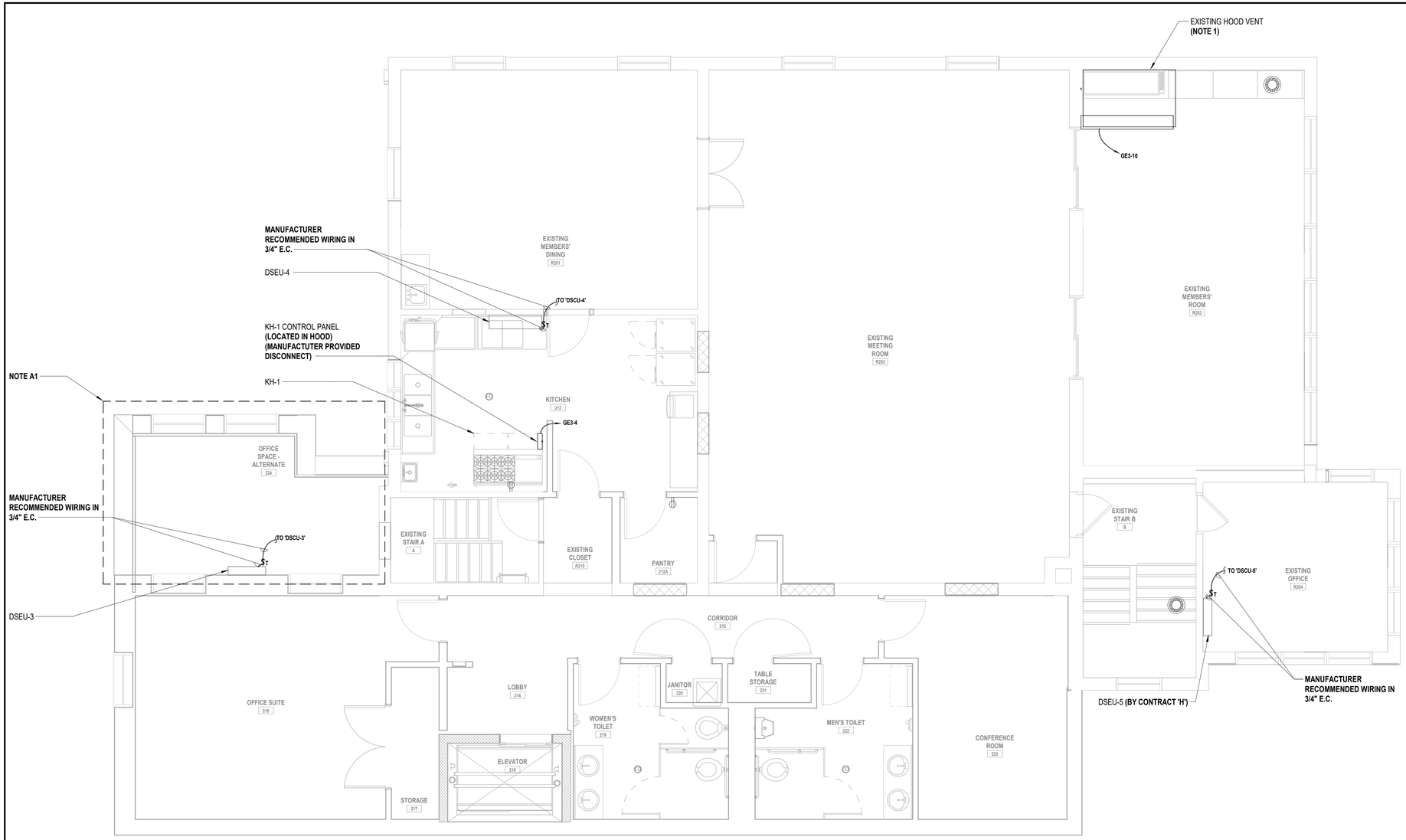
STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
ELECTRICAL HVAC POWER PLAN FIRST FLOOR

DRAWING No.
E 111

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:04 AM



1 Electrical HVAC Power Plan Second Floor

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

ELECTRICAL KEY NOTE:

1. CONTRACTOR SHALL NOTE TO PROVIDE AND INSTALL ALL NECESSARY ACCESSORIES/CONTROLS AS REQUIRED TO PROVIDE POWER TO EXISTING EQUIPMENT AS PER PRIOR TO DEMOLITION.

ADD/ALTERNATE NOTES:

A1. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 01, ONLY.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

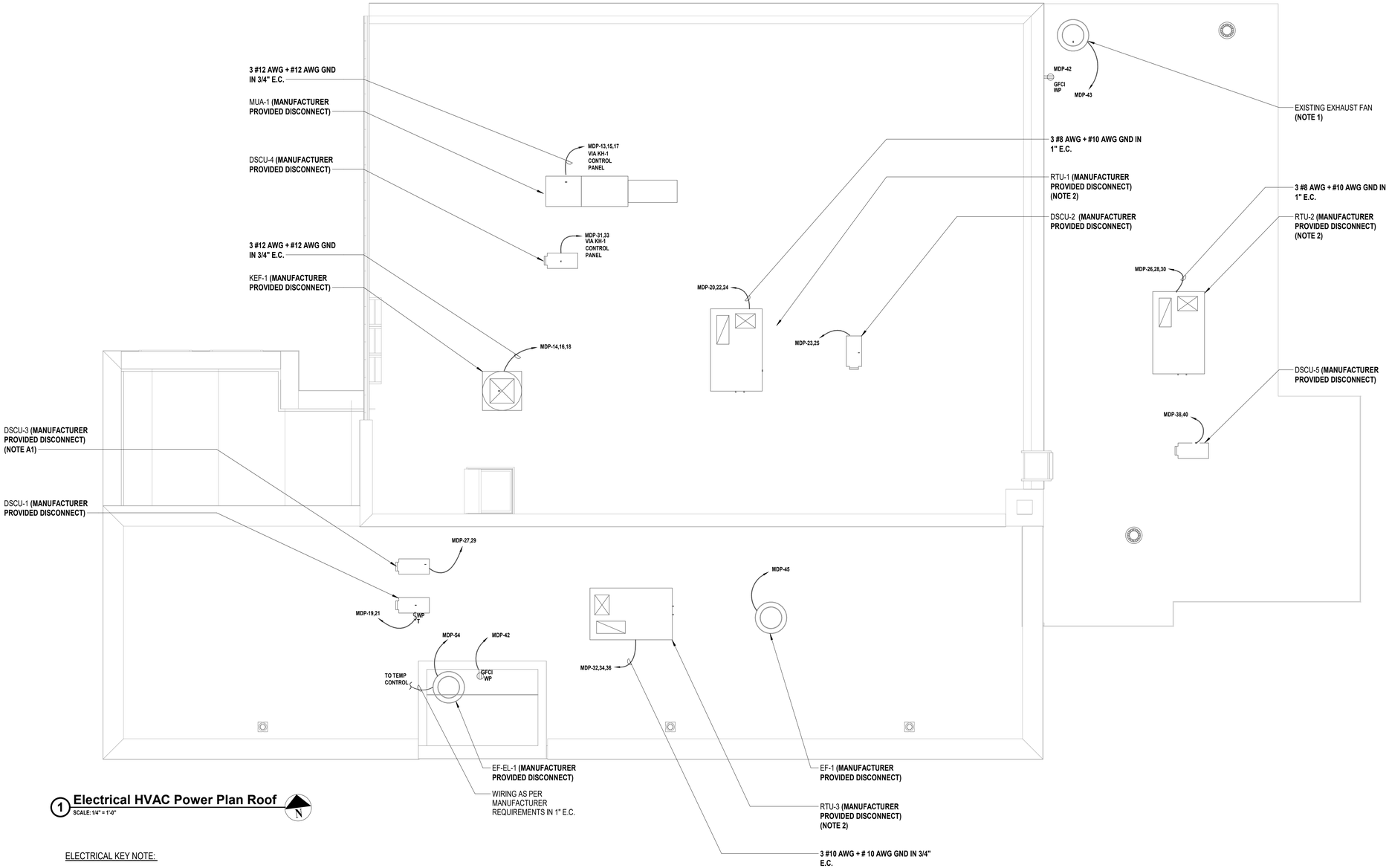
ELECTRICAL HVAC POWER PLAN SECOND FLOOR

DRAWING No.

E 112

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:05 AM



1 Electrical HVAC Power Plan Roof

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

N

ELECTRICAL KEY NOTE:

1. CONTRACTOR SHALL NOTE TO PROVIDE AND INSTALL ALL NECESSARY ACCESSORIES/CONTROLS AS REQUIRED TO PROVIDE POWER TO EXISTING EQUIPMENT AS PER PRIOR TO DEMOLITION.
2. EQUIPMENT PROVIDED WITH POWERED CONVIENCE RECEPTACLE.

ADD/ALTERNATE NOTES:

A1. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 01, ONLY.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

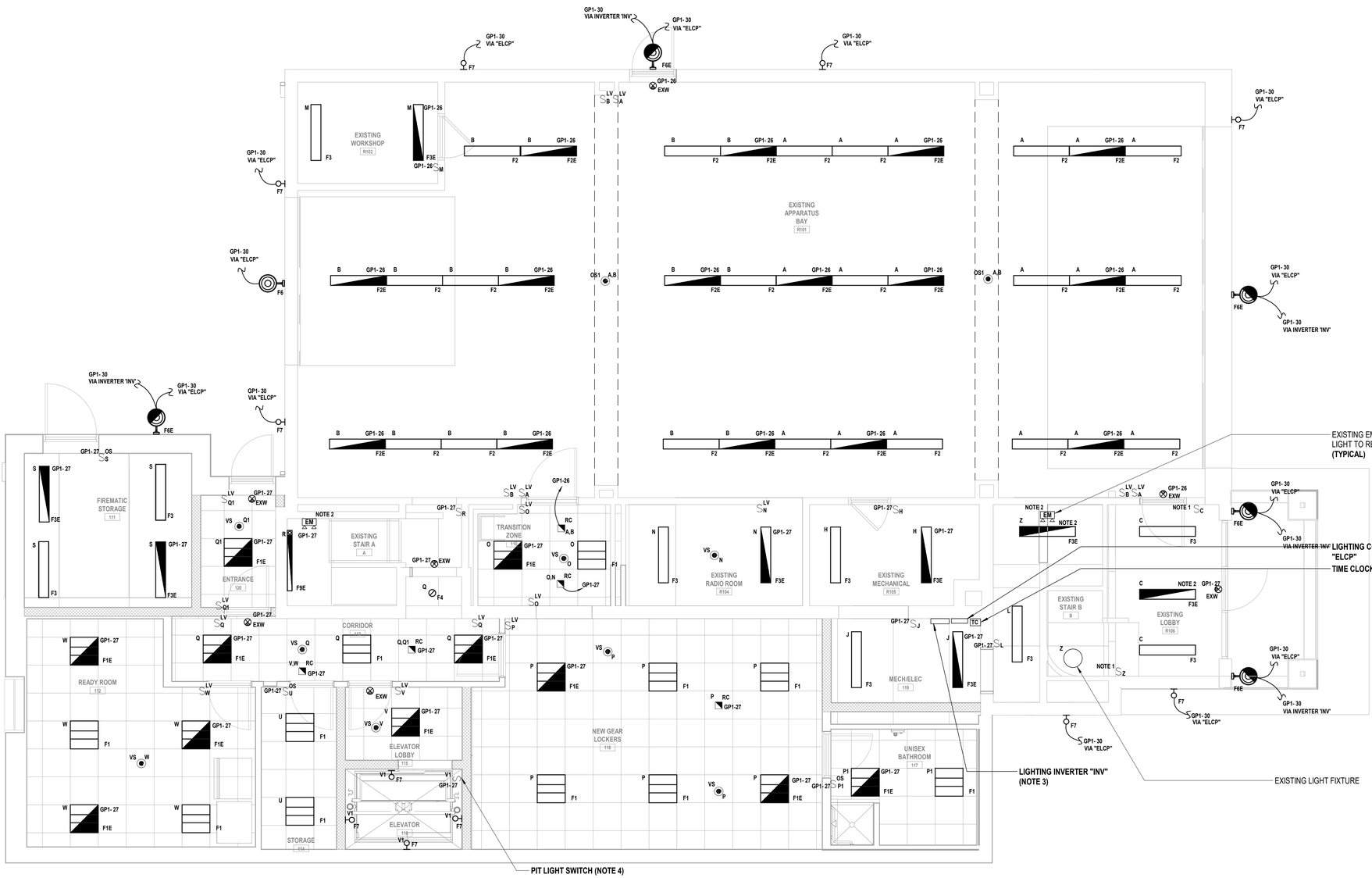
ELECTRICAL HVAC POWER PLAN ROOF

DRAWING No.

E 113

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:05 AM



1 Electrical Lighting Plan First Floor

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

LIGHTING GENERAL NOTES:

G1. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTROLLERS AND/OR VACANCY/OCCUPANCY SENSORS FOR COMPLETE LIGHTING CONTROL. WHERE 3 SWITCHES ARE USED, PROVIDE ALL REQUIRED WIRING BETWEEN SWITCHES. WIRE SIZE SHALL EQUAL POWER FEED SIZE.

G2. CONTRACTORS SHALL LOCATE AND INSTALL ALL LIGHT FIXTURES IN MECHANICAL ROOMS TO PROVIDE CLEARANCE FROM ALL MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING FIXTURES, SWITCHES, CONDUIT, AND WIRING.

G3. FIXTURES INDICATED WITH CIRCUIT DESIGNATIONS SHALL BE CONNECTED TO LINE SIDE OF CIRCUIT.

G4. FIXTURES INDICATED WITH LETTER DESIGNATIONS SHALL BE CONNECTED TO THE SWITCH, OCCUPANCY SENSOR AND/OR POWER PACK WITH CORRESPONDING LETTER DESIGNATION.

G5. PROVIDE AND INSTALL A DEDICATED NEUTRAL FOR EACH CIRCUIT. CONTRACTOR IS NOT PERMITTED TO USE COMMON NEUTRALS.

G6. PROVIDE BOX AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATION FOR ALL SWITCHES, VACANCY/OCCUPANCY SENSORS, AND/OR ROOM CONTROLLER.

G7. ALL CEILING MOUNTED FIXTURES WITH EMERGENCY DRIVERS AND ALL FIXTURES THAT ARE PART OF AN EMERGENCY LIGHTING SYSTEM, SHALL BE LABELED. THESE LABELS SHALL BE EASILY READ FROM THE FLOOR LEVEL AND STATE THAT THE FIXTURE IS AN EMERGENCY FIXTURE AND CONTAIN THE PANEL NAME AND CIRCUIT NUMBER THAT IT IS FED FROM.

G8. WIRING FOR EMERGENCY DRIVER IS NOT SHOWN ON PLANS. FIXTURES WITH EMERGENCY DRIVERS SHALL BE PROVIDED WITH AN UNSWITCHED POWER FEED FROM CIRCUIT FEEDING LIGHT FIXTURE.

ELECTRICAL KEY LIGHTING NOTES:

1. CONTRACTOR SHALL PROVIDE AND EXTEND WIRE AND CONDUIT AS REQUIRED TO TERMINATE AT NEW LIGHT FIXTURE, ROOM CONTROLLER AND SWITCH. WIRE AND CONDUIT SHALL BE SIZED IN ACCORDANCE WITH NEC. CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. IN AREAS WITH DROP CEILINGS, INSTALL POWER PACK ABOVE CEILING. IN AREAS WITH GYPSUM BOARD / PLASTER CEILINGS INSTALL THE POWER PACK ABOVE THE CEILING AND PROVIDE AN ACCESS HATCH ADEQUATELY SIZED TO ALLOW FOR SERVICING / REPLACEMENT OF THE ROOM CONTROLLER OR INSTALL POWER PACK ABOVE THE CEILING IN AN ADJACENT ROOM WITH A DROP CEILING.

2. FOR ALL EMERGENCY BALLASTS, CONTRACTOR SHALL PROVIDE AND INSTALL AN UNSWITCHED POWER FEED FROM THE LINE SIDE OF THE LIGHT SWITCH SERVING THE LIGHT FIXTURES IN THE ROOM WHERE THE NEW EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. UNSWITCHED FEED SHALL ORIGINATE FROM THE SAME CIRCUIT FEEDING LIGHT FIXTURES IN THE ROOM WHERE THE EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. NORMAL LIGHTING SHALL BE AS SHOWN. PROVIDE AND INSTALL WIRE AND CONDUIT AS REQUIRED. CONTRACTOR SHALL PATCH, REPAIR, RESTORE, PRIME, PAINT, AND REFINISH TO MATCH ORIGINAL APPERANCE OF ALL WALLS, CEILINGS, AND ALL BUILDING FINISHED THAT ARE DISTURBED DURING INSTALLATION OF THE UNSWITCHED POWER FEED.

3. CONTRACTOR SHALL PROVIDE AND INSTALL EMERGENCY BATTERY BACKUP INVERTER (DUAL-LITE MODEL #: LG250-S-I OR APPROVED EQUAL) MOUNTED IN ELECTRICAL ROOM. PROVIDE REMOTE TEST BUTTON BELOW INVERTER. INVERTER AND WIRE BETWEEN INVERTER AND LIGHT FIXTURE IS NOT SHOWN FOR CLARITY PURPOSES. PROVIDE 2 #12 AWG + #12 AWG GND IN 3/4" E.C. BETWEEN INVERTER AND LIGHT FIXTURE.

4. CONTRACTOR SHALL COORDINATE MOUNT LIGHT FIXTURES AND ASSOCIATE SWITCH AT LOWEST POINT OF ELEVATOR CAR TRAVEL AND SWITCH TO BE EASILY ACCESSIBLE FROM THE PIT LADDER. COORDINATE EXACT HEIGHT AND LOCATION WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

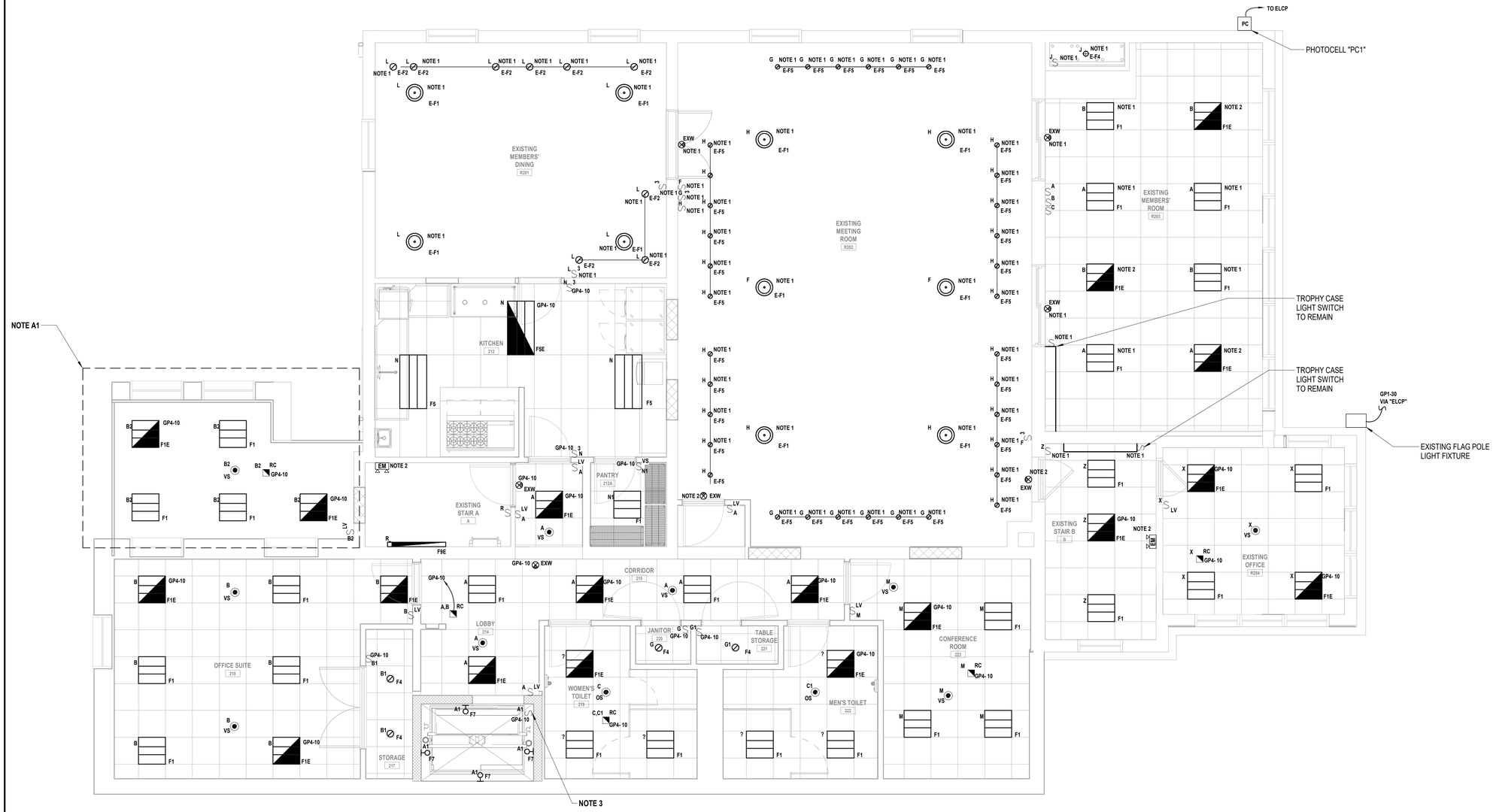
SHEET TITLE

ELECTRICAL LIGHTING PLAN FIRST FLOOR

DRAWING No.

E 121

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt
12/17/2021 11:05:05 AM



1 Electrical Lighting Plan Second Floor

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

LIGHTING GENERAL NOTES:

G1. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTROLLERS AND/OR VACANCY/OCCUPANCY SENSORS FOR COMPLETE LIGHTING CONTROL. WHERE 3 SWITCHES ARE USED, PROVIDE ALL REQUIRED WIRING BETWEEN SWITCHES. WIRE SIZE SHALL EQUAL POWER FEED SIZE.

G2. CONTRACTORS SHALL LOCATE AND INSTALL ALL LIGHT FIXTURES IN MECHANICAL ROOMS TO PROVIDE CLEARANCE FROM ALL MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING FIXTURES, SWITCHES, CONDUIT, AND WIRING.

G3. FIXTURES INDICATED WITH CIRCUIT DESIGNATIONS SHALL BE CONNECTED TO LINE SIDE OF CIRCUIT.

G4. FIXTURES INDICATED WITH LETTER DESIGNATIONS SHALL BE CONNECTED TO THE SWITCH, OCCUPANCY SENSOR AND/OR POWER PACK WITH CORRESPONDING LETTER DESIGNATION.

G5. PROVIDE AND INSTALL A DEDICATED NEUTRAL FOR EACH CIRCUIT. CONTRACTOR IS NOT PERMITTED TO USE COMMON NEUTRALS.

G6. PROVIDE BOX AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATION FOR ALL SWITCHES, VACANCY/OCCUPANCY SENSORS, AND/OR ROOM CONTROLLER.

G7. ALL CEILING MOUNTED FIXTURES WITH EMERGENCY DRIVERS AND ALL FIXTURES THAT ARE PART OF AN EMERGENCY LIGHTING SYSTEM, SHALL BE LABELED. THESE LABELS SHALL BE EASILY READ FROM THE FLOOR LEVEL AND STATE THAT THE FIXTURE IS AN EMERGENCY FIXTURE AND CONTAIN THE PANEL NAME AND CIRCUIT NUMBER THAT IT IS FED FROM.

G8. WIRING FOR EMERGENCY DRIVER IS NOT SHOWN ON PLANS. FIXTURES WITH EMERGENCY DRIVERS SHALL BE PROVIDED WITH AN UNSWITCHED POWER FEED FROM CIRCUIT FEEDING LIGHT FIXTURE.

ELECTRICAL KEY NOTES:

1. CONTRACTOR SHALL PROVIDE AND EXTEND WIRE AND CONDUIT AS REQUIRED TO TERMINATE AT NEW LIGHT FIXTURE, ROOM CONTROLLER, AND SWITCH. WIRE AND CONDUIT SHALL BE SIZED IN ACCORDANCE WITH NEC. CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. IN AREAS WITH DROP CEILINGS, INSTALL ROOM CONTROLLER ABOVE CEILING. IN AREAS WITH GYPSUM BOARD / PLASTER CEILINGS INSTALL THE ROOM CONTROLLER(S) ABOVE THE CEILING AND PROVIDE AN ACCESS HATCH ADEQUATELY SIZED TO ALLOW FOR SERVICING / REPLACEMENT OF THE ROOM CONTROLLER(S) OR INSTALL ROOM CONTROLLER(S) ABOVE THE CEILING IN AN ADJACENT ROOM WITH A DROP CEILING.

2. FOR ALL EMERGENCY BALLASTS, CONTRACTOR SHALL PROVIDE AND INSTALL AN UNSWITCHED POWER FEED FROM THE LINE SIDE OF THE LIGHT SWITCH SERVING THE LIGHT FIXTURES IN THE ROOM WHERE THE NEW EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. UNSWITCHED FEED SHALL ORIGINATE FROM THE SAME CIRCUIT FEEDING LIGHT FIXTURES IN THE ROOM WHERE THE EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. NORMAL LIGHTING SHALL BE AS SHOWN. PROVIDE AND INSTALL WIRE AND CONDUIT AS REQUIRED. CONTRACTOR SHALL PATCH, REPAIR, RESTORE, PRIME, PAINT, AND REFINISH TO MATCH ORIGINAL APPERANCE OF ALL WALLS, CEILINGS, AND ALL BUILDING FINISHED THAT ARE DISTURBED DURING INSTALLATION OF THE UNSWITCHED POWER FEED.

3. CONTRACTOR SHALL COORDINATE MOUNT LIGHT FIXTURES AND ASSOCIATE SWITCH AT HIGHEST POINT OF ELEVATOR CAR TRAVEL AND SWITCH TO BE EASILY ACCESSIBLE FROM THE PIT LADDER. COORDINATE EXACT HEIGHT AND LOCATION WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.

ADD/ALTERNATE NOTES:

A1. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 01, ONLY.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		
PROJECT No:	DATE:	SCALE:	
MKIV1803	12/13/2021	AS SHOWN	

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL LIGHTING PLAN SECOND FLOOR

DRAWING No.

E 122

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:06 AM

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

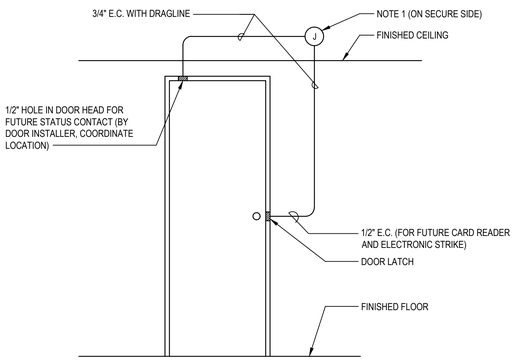
ELECTRICAL GENERATOR PLAN

DRAWING No.

E 140

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

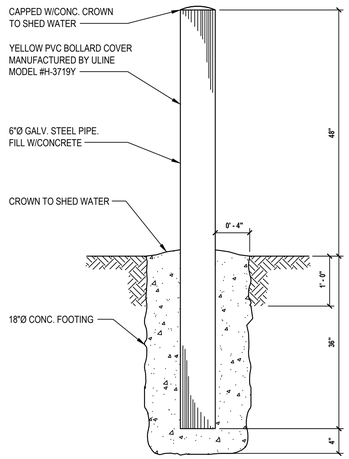
12/17/2021 11:05:06 AM



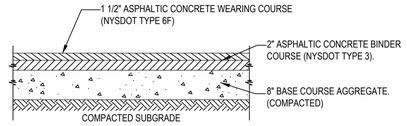
1 Security System Conduit Detail (Single Door) (NOTE 2)
SCALE:N.T.S.

NOTES:

1. CONTRACTOR SHALL INSTALL JUNCTION BOX ON SECURE SIDE OF DOOR ABOVE FINISHED CEILING. IF THERE IS NO FINISHED CEILING IN THE ROOM, 10'-0". COORDINATE INSTALLATION AND EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT/ENGINEER IN FIELD.
2. ALL DOOR ACCESS CONTROL EQUIPMENT SHALL BE INSTALLED BY OTHERS AT A FUTURE DATE.



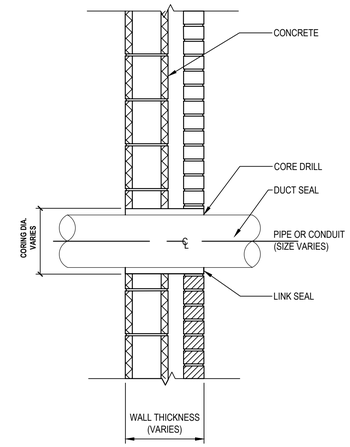
2 Bollard Detail
SCALE:N.T.S.



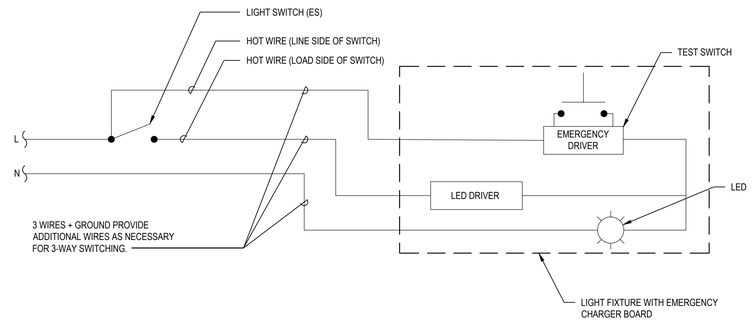
3 New Pavement Section
SCALE:N.T.S.

NOTES:

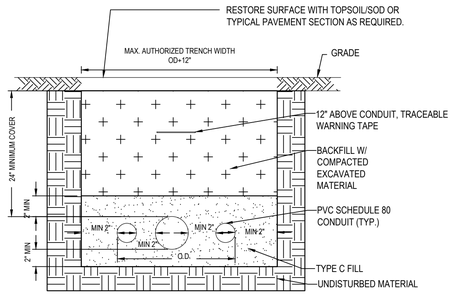
1. ALL TRENCHES IN ASPHALT SHALL BE FULL DEPTH SAWCUT. EDGES SHALL BE SEALED WITH HOT ASPHALT.



4 Typical Penetration Through Concrete Wall
SCALE:N.T.S.



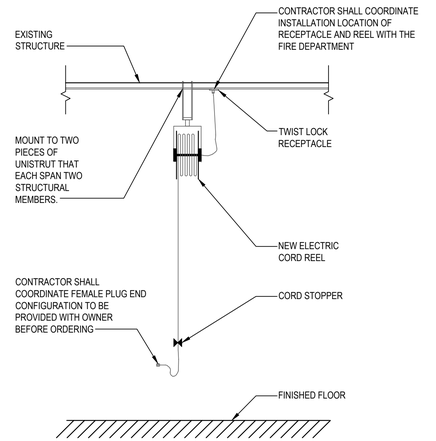
5 Typical Detail of Light Fixture with Emergency Ballast
SCALE:N.T.S.



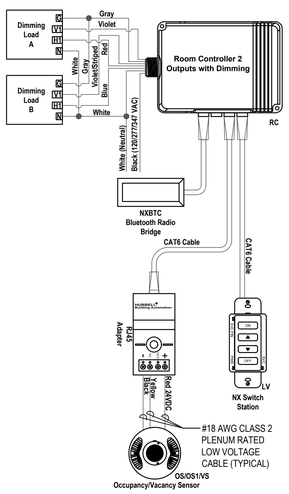
6 Typical Conduit Trench Detail
SCALE:N.T.S.

NOTES:

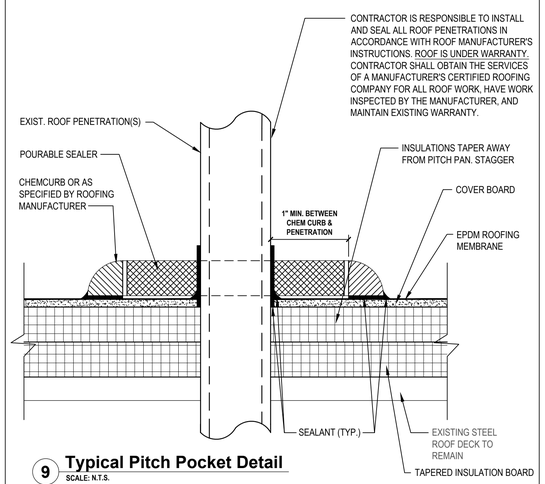
1. MINIMIZE ALL TRENCH WIDTHS IN ORDER TO AVOID EXCESSIVE DISTURBANCE OF ADJACENT AREAS. TRENCH WALLS SHALL BE VERTICAL. USE SHEET PILING OR A SHEETING BOX TO MAINTAIN THE SPECIFIED TRENCH.



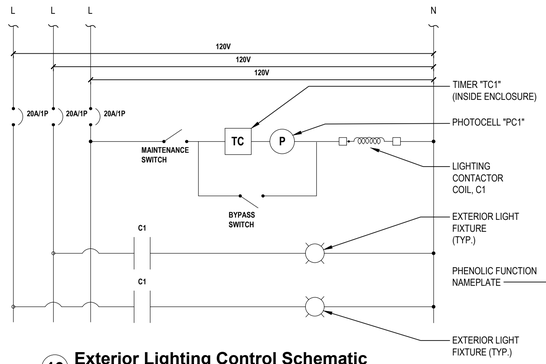
7 Charge Reel Receptacle Detail
N.T.S.



8 Lighting Room Control Detail
SCALE:N.T.S.

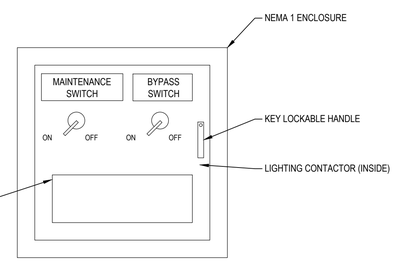


9 Typical Pitch Pocket Detail
SCALE: N.T.S.



10 Exterior Lighting Control Schematic
SCALE:NTS

1. PROVIDE AND INSTALL NEW LIGHTING CONTROLS, CONTROL WIRING, RELAYS, CONTACTORS, AND SENSORS. INSTALL CONTROLS AND CONTACTORS IN NEW NEMA 1 HINGED DOOR ENCLOSURE. PROVIDE LOCKABLE HANDLE.
2. FUNCTION NAMEPLATE DESCRIPTION:
   MAINTENANCE SWITCH - TURN TO "ON" POSITION FOR NORMAL OPERATION. TURN TO OFF POSITION TO PREVENT LIGHTS FROM TURNING ON
   BYPASS SWITCH - TURN TO "OFF" POSITION FOR NORMAL OPERATION. TURN TO "ON" POSITION TO TURN ON LIGHT FIXTURES. (MAINTENANCE SWITCH MUST BE IN "ON" POSITION).
3. PROVIDE 120 VOLT CONTROL POWER FROM NEAREST PANEL, AS REQUIRED.



10A Exterior Lighting Control Panel "ELCP"
SCALE:N.T.S.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL DETAILS

DRAWING No.

E 500

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt
12/17/2021 11:05:06 AM

Refer to CAD

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL GENERATOR DETAILS

DRAWING No.

E 540

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:07 AM

LIGHTING FIXTURE SCHEDULE

DESIGNATION	SYMBOL	MANUFACTURER	MODEL NUMBER	TYPE	WATTS	COLOR TEMP	VOLT	LUMENS	MOUNTING	REMARKS	MOUNTING HEIGHT	DETAIL
F1		COLUMBIA LIGHTING	LCAT22-40LWG-G-EDU	LED	22	4000K	UNV	3380	RECESSED	-	CEILING	-
F1E		COLUMBIA LIGHTING	LCAT22-40LW-G-EDU-ELL14	LED	22	4000K	UNV	3380	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F2		COLUMBIA LIGHTING	LXEM4-40ML-RA-EDU	LED	42	4000K	UNV	5168	PENDANT	-	14'-6" AFF	-
F2E		COLUMBIA LIGHTING	LXEM4-40ML-RA-EDU-ELL14	LED	42	4000K	UNV	5168	PENDANT	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	14'-6" AFF	5 / E 500
F3		MERCURY LIGHTING	LW4-4-3800-40K-HTA-A40-UNI+SR	LED	39	4000K	UNV	3671	SURFACE	-	CEILING	-
F3E		MERCURY LIGHTING	LW4-4-3800-40K-HTA-A40-UNI+SR+EM12	LED	39	4000K	UNV	3671	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F4		LITEFRAME	LF6SLDM1-6LFSL15L40K8 FLUWTCL	LED	16	4000K	UNV	1500	RECESSED	-	CEILING	-
F4E		LITEFRAME	LF6SLDM1EMR-6LFSL15L 40K8FLUWTCL	LED	16	4000K	UNV	1500	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F5		COLUMBIA LIGHTING	LCAT22-40MLG-G-EDU	LED	39	4000K	UNV	4988	RECESSED	-	CEILING	-
F5E		COLUMBIA LIGHTING	LCAT22-40MLG-G-EDU-ELL14	LED	39	4000K	UNV	4988	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F6		HUBBELL	UCS-BEL/VSL-BEL-12LED-NW-DB-WCV	LED	70	4000K	UNV	7920	SURFACE	-	8'-0" AFG, UON	-
F6E		HUBBELL	UCS-BEL/VSL-BEL-12LED-NW- DB-WCV	LED	70	4000K	UNV	7920	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	8'-0" AFG, UON	5 / E 500
F7		HUBBELL	VWGL-1	LED	11	4000K	UNV	757	SURFACE	-	REFER TO FLOOR PLANS	-
F8E		HUBBELL	TRP2-24L-70-4K8-3-UNV-BLT-PC-EH	LED	70	4000K	UNV	7920	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	1'-0" ABOVE DOOR	5 / E 500
F9E		COLUMBIA LIGHTING	LAW4-40LW-EDU-ELL14	LED	37	4000K	UNV	5168	PENDANT	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	7'-6" AFF	5 / E 500
E-F1		GREEN CREATIVE	A19-92 DIM	LED	9	4000K	UNV	860	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F2		GREEN CREATIVE	6.5PAR20DIM/940FL40	LED	6	4000K	UNV	600	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F4		GREEN CREATIVE	A19-92 DIM	LED	9	4000K	UNV	860	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F5		GREEN CREATIVE	6GU10DIM/830FL40	LED	6	3000K	UNV	570	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F6		GREEN CREATIVE	16PLL/840/GL/BYP	LED	36	4000K	UNV	2000	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
EXW		COMPASS	APX6G	LED	2	-	UNV	-	SURFACE	NOTE LF1, EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	1'-0" ABOVE DOOR	5 / E 500
EXC		COMPASS	APX6G	LED	2	-	UNV	-	SURFACE	NOTE LF1, EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
EM		DUAL LITE	EV2	LED	1	-	UNV	-	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	8'-0" AFF	5 / E 500
LV	S	HUBBELL	NXSW-ORLO-WH	-	-	-	24VDC	-	RECESSED	WALL MOUNTED LOW VOLTAGE	AFC	8 / E 500
OS	S	HUBBELL	LHMTS-1-G-WH	-	-	-	24VDC	-	RECESSED	WALL MOUNTED OCCUPANCY SENSOR	-	-
RC	RC	HUBBELL	NXRCFX-2RD-UNV	-	-	-	UNV	-	SURFACE	ROOM CONTROLLER	AFC, UON	8 / E 500
OS/VS		HUBBELL	OMNI-DT-2000	-	-	-	24VDC	-	SURFACE	CEILING MOUNTED OCCUPANCY SENSOR/VACANCY SENSOR	CEILING, UON	8 / E 500
OS1		HUBBELL	WSP-SF-24V LENS: WSP-L360-WH	-	-	-	24VDC	-	SURFACE	HI-BAY CEILING MOUNTED OCCUPANCY SENSOR	CEILING, UON	8 / E 500
PC	PC	INTERMATIC	K4121C	-	-	-	UNV	-	K42-SW-A (SURFACE)	SWIVEL MOUNT AND 25 AMP RATED PHOTOCELL	AT ROOF LINE	-
TC	TC	TORK	1100	-	-	-	UNV	-	SURFACE	TIME CLOCK	IN "ELCP"	10 / E 500

LIGHT FIXTURE SCHEDULE NOTE:

LF1. SHADED AREA SHOWN ON DRAWINGS IS TO SHOW THE EXIT SIGN FACE.

DISCONNECT SWITCH SCHEDULE

DISCONNECT SWITCH IDENTIFICATION	TYPE	ENCLOSURE	VOLTS	POLES	FRAME SIZE AMPS	FUSE RATING
DS1 (NOTES S1, S2)	FUSED	NEMA 3R	240	3	200 A	150 A
DS2 (NOTE S3)	FUSED	NEMA 3R	240	1	30 A	20 A

DISCONNECT SWITCH SCHEDULE NOTES:

S1. CONTRACTOR SHALL PROVIDE AND INSTALL COOPER BUSSMAN DISCONNECT SWITCH OR APPROVED EQUAL. REFER TO SPECIFICATION 262816 FOR ADDITIONAL INFORMATION.

S2. COORDINATE EXACT FUSE SIZE WITH ELEVATOR INSTALLER.

S3. DISCONNECT SWITCH SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION PER NEC REQUIREMENTS.

MOTOR STARTER SCHEDULE

IDENTIFICATION	NEMA SIZE	VOLTS / PHASE	ENCLOSURE TYPE	DISCONNECT AMPS / POLE	ACCESSORIES
S1*	0	120 / 1Ø	NEMA 1	20 / 1	H-O-A SWITCH, RUN AND OVERLOAD LIGHT

* MOTOR STARTER SHALL BE FRANKLIN ELECTRIC MODEL NUMBER "BAS" OR APPROVED EQUAL

H2M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL SCHEDULES

DRAWING No.

E 600

C:\Users\djhansen\Documents\MKIV1803_Central19_M_djhansen.rvt

12/17/2021 11:05:07 AM

Name

Panelboard: MDP | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 65,000
Manufacturer: SIEMENS | Mains: 600 A MCB | Mains Rating: 600 A
Panel Type: P2 | Mounting: SURFACE | Options: | Notes:
NEMA Type Enclosure 1

Load Description	Breaker Option	Trip	Poles	Circ No.	A	B	C	A	B	C	Circ No.	Poles	Trip	Breaker Option	Load Description
				1	11547 VA			9660 VA			2				
PANEL GP1		225 A	3	3		11240 VA			8095 VA		4	3	150 A		PANEL GP2
				5			6377 VA			8270 VA	6				
PANEL GE3		150 A	3	7	4620 VA			7253 VA			8				
				9		1080 VA			8222 VA		10	3	225 A		GP4
				11			965 VA			6842 VA	12				
				13	384 VA			396 VA			14				
MUA-1	HACR	15 A	3	15		384 VA			396 VA		16	3	15 A		KEF-1
				17			384 VA			396 VA	18				
				19	936 VA			3960 VA			20				
DSCU-1	HACR	20 A	2	21		936 VA			3960 VA		22	3	45 A	HACR	RTU-1
				23			1040 VA			3960 VA	24				
DSCU-2	HACR	15 A	2	25	1040 VA			3960 VA			26				
				27		1040 VA			3960 VA		28	3	45 A	HACR	RTU-2
DSCU-3	HACR	20 A	2	29			1040 VA			3960 VA	30				
				31	1976 VA			3000 VA			32				
DSCU-4	HACR	20 A	2	33		1976 VA			3000 VA		34	3	30 A	HACR	RTU-3
SPACE	--	--	--	35			0 VA			3000 VA	36				
SPACE	--	--	--	37	0 VA			1040 VA			38				
SPACE	--	--	--	39		0 VA			1040 VA		40	2	15 A	HACR	DSCU-5
FIRE ALARM CONTROL PANEL		20 A	1	41			1000 VA			360 VA	42	1	20 A		ROOF TOP CONVIENCE RECEPT
EF-1		20 A	1	43	330 VA			0 VA			44	--	--	--	SPACE
EF-1		20 A	1	45		330 VA			0 VA		46	--	--	--	SPACE
ELEVATOR CAB DISCONNECT		20 A	1	47			180 VA			0 VA	48	--	--	--	SPACE
				49	11408 VA			0 VA			50	--	--	--	SPACE
ELEVATOR MOTOR DISCONNECT		150 A	3	51		11408 VA			0 VA		52	--	--	--	SPACE
				53			11408 VA			1800 VA	54	1	20 A		EL-EF-1

Connected Totals: A 61.5 kVA | B 57.1 kVA | C 51.0 kVA | Total: 169.5 kVA | Amps: 471 A

(All Phases to be balanced to within 7% Actual Load Totals)

Breaker Option
AS - Powerlink AS Breaker
LO - Handle Lock-off Device
ST - Shunt Trip Type
AUX - Auxillary Contacts
PA - Handle Padlock Attchment
GFCI - Ground Fault Circuit Interrupter
HACR - Heating, A/C & Refrigeration
SF - Subfeed
TC - Time Clock Control

Name

Panelboard: GP1 | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 225A MCB | Mains Rating: 225 A
Panel Type: P2 | Mounting: Surface | Options: | Notes:
NEMA Type Enclosure 1

Load Description	Breaker Option	Trip	Poles	Circ No.	A	B	C	A	B	C	Circ No.	Poles	Trip	Breaker Option	Load Description
WORKSHOP RECEPT.		20 A	1	1	540 VA			1800 VA			2	1	20 A		APPARATUS BAY RECEPT.
FIRE STORAGE RECEPT.		20 A	1	3		900 VA			1080 VA		4	1	20 A		READY ROOM RECEPT.
WATER FOUNTAIN	GFCI	20 A	1	5			360 VA			1080 VA	6	1	20 A		CORRIDOR RECEPT.
LOCKER RM RECEPT.		20 A	1	7	540 VA			900 VA			8	1	20 A		LOCKER ROOM USB
LOCKER ROOM USB		20 A	1	9		1080 VA			1000 VA		10	1	20 A		SHORE POWER
SHORE POWER		20 A	1	11			1000 VA			1000 VA	12	1	20 A		SHORE POWER
SHORE POWER		20 A	1	13	1000 VA			1000 VA			14	1	20 A		SHORE POWER
SHORE POWER		20 A	1	15		1000 VA			360 VA		16	1	20 A		TV RECEPTACLE
READY RM FRIDGE	GFCI	20 A	1	17			180 VA			1260 VA	18	1	20 A		MECH/ELEC RM RECEPT.
LOCKER RM BTRM RECEPT.		20 A	1	19	180 VA			500 VA			20	1	20 A	GFEP	HAND DRYER
RADIO RM RECEPT.		20 A	1	21		1620 VA			180 VA		22	1	20 A		STORAGE RECEPT.
ICE MACHINE	GFCI	20 A	1	23			180 VA			360 VA	24	1	20 A		LOBBY RECEPT.
ELEVATOR RECEPT.		20 A	1	25	180 VA			1471 VA			26	1	20 A		APPARATUS BAY LTG
GENERAL LTG		20 A	1	27		905 VA			39 VA		28	1	20 A		LITES
EXISTING EXTRACTOR		20 A	1	29			180 VA			203 VA	30	1	20 A		EXTERIOR LTG
				31	288 VA			288 VA			32				
BACK DOOR MOTOR		15 A	3	33		288 VA			288 VA		34	3	15 A		FRONT DOOR MOTOR
				35			288 VA			288 VA	36				
GEN BLOCK HTR		30 A	2	37	2500 VA			360 VA			38	1	20 A		TRANSITION ZONE RECEPT.
				39		2500 VA			0 VA		40	--	--	--	SPACE
GENERATOR ACCESSORIES	--	20 A	1	41			0 VA			0 VA	42	--	--	--	SPACE

Connected Totals: A 11.5 kVA | B 11.2 kVA | C 6.4 kVA | Total: 29.2 kVA | Amps 81 A

(All Phases to be balanced to within 7% Actual Load Totals)

Breaker Option
AS - Powerlink AS Breaker
LO - Handle Lock-off Device
ST - Shunt Trip Type
AUX - Auxillary Contacts
PA - Handle Padlock Attchment
GFCI - Ground Fault Circuit Interrupter
HACR - Heating, A/C & Refrigeration
SF - Subfeed
GFEP - Ground Fault Equipment Protection (30mA)

Name

Panelboard: GE3 | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 42,000
Manufacturer: GE | Mains: MLO | Mains Rating: 150 A
Panel Type: TL30429C | Mounting: RECESSED | Options: | Notes:
NEMA Type Enclosure 1

Load Description	Breaker Option	Trip	Poles	Circ No.	A	B	C	A	B	C	Circ No.	Poles	Trip	Breaker Option	Load Description
KITCHEN GEN RECEPT.	GFCI	20 A	1	1	540 VA			720 VA			2	1	20 A		SERVER RECEPTACLES
KITCHEN COUNTERTOP RECEPT.	GFCI	20 A	1	3		540 VA			180 VA		4	1	20 A	GFCI	KITCHEN HOOD
EXISTING FOUR MTG RM LTG		20 A	1	5			300 VA			150 VA	6	1	20 A		EXIST. MEETING RM LTG (TWO...
EXISTING MEETING ROOM...		20 A	1	7	1260 VA			300 VA			8	1	20 A		EXISTING BAR RM LTG, 4...
EXISTING BEER COOLER	GFCI	20 A	1	9		180 VA			180 VA		10	1	20 A		EXISTING HOOD
EXISTING EXIT LIGHTS		20 A	1	11			2 VA			525 VA	12	1	20 A		EXIST. TRACK LTG IN MEETING RM
EXISTING PROJECTOR		20 A	1	13	180 VA			1620 VA			14	1	20 A		EXISTING BAR RECEPT.
SPARE	--	20 A	1	15		0 VA			0 VA		16	1	20 A	--	SPARE
SPACE	--	--	--	17			0 VA			0 VA	18	--	--	--	SPACE
SPACE	--	--	--	19	0 VA			0 VA			20	--	--	--	SPACE
SPACE	--	--	--	21		0 VA			0 VA		22	--	--	--	SPACE
SPACE	--	--	--	23			0 VA			0 VA	24	--	--	--	SPACE

Connected Totals: A 4.6 kVA | B 1.1 kVA | C 1.0 kVA | Total: 6.7 kVA | Amps: 18 A

(All Phases to be balanced to within 7% Actual Load Totals)

Breaker Option
AS - Powerlink AS Breaker
LO - Handle Lock-off Device
ST - Shunt Trip Type
AUX - Auxillary Contacts
PA - Handle Padlock Attchment
GFCI - Ground Fault Circuit Interrupter
HACR - Heating, A/C & Refrigeration
SF - Subfeed
TC - Time Clock Control

Name

Panelboard: GP4 | Voltage: 208Y/120 | Phase: 3 | Wire | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 225 A MCB | Mains Rating: 225 A
Panel Type: P2 | Mounting: RECESSED | Options: | Notes:
NEMA Type Enclosure 1

Load Description	Breaker Option	Trip	Poles	Circ No.	A	B	C	A	B	C	Circ No.	Poles	Trip	Breaker Option	Load Description
OFFICE SUIT 216 RECEPT.		20 A	1	1	900 VA			540 VA			2	1	20 A		ADD/ALTERNATE RECEPT.
SECOND FLR COORIDOR RECEPT.		20 A	1	3		1620 VA			500 VA		4	1	20 A	GFEP	WOMEN'S BTHRM HAND DRYER
WOMEN'S BTHRM RECEPT.		20 A	1	5			360 VA			360 VA	6	1	20 A		MEN'S BTHRM RECEPT.
MEN'S BTHRM HAND DRYER	GFEP	20 A	1	7	500 VA			1080 VA			8	1	20 A		CONFRENCE ROOM RECEPT.
ELEVATOR SHAFT RECEPT.		20 A	1	9		180 VA			1114 VA		10	1	20 A		SECOND FLR LTG.
				11			4233 VA			180 VA	12	1	25 A	ST	OVEN RECEPT.
VENTLESS DISHWASHER	GFCI	60 A	3	13	4233 VA			0 VA			14	--	--	--	
				15		4233 VA			575 VA		16	1	20 A	GFCI	REACH IN FRIDGE RECEPT.
UC ICE MACHINE	GFCI	20 A	1	17			736 VA			973 VA	18	1	20 A	GFCI	REACH IN FREEZER RECEPT.
SPACE	--	--	--	19	0 VA			0 VA			20	--	--	--	SPACE
SPACE	--	--	--	21		0 VA			0 VA		22	--	--	--	SPACE
SPACE	--	--	--	23			0 VA			0 VA	24	--	--	--	SPACE
SPACE	--	--	--	25	0 VA			0 VA			26	--	--	--	SPACE
SPACE	--	--	--	27		0 VA			0 VA		28	--	--	--	SPACE
SPACE	--	--	--	29			0 VA			0 VA	30	--	--	--	SPACE

Connected Totals: A 7.3 kVA | B 8.2 kVA | C 6.8 kVA | Total: 22.3 kVA | Amps: 62 A

(All Phases to be balanced to within 7% Actual Load Totals)

Breaker Option
AS - Powerlink AS Breaker
LO - Handle Lock-off Device
ST - Shunt Trip Type
AUX - Auxillary Contacts
PA - Handle Padlock Attchment
GFCI - Ground Fault Circuit Interrupter
HACR - Heating, A/C & Refrigeration
SF - Subfeed
GFEP - Ground Fault Equipment Protection (30mA)

Name

Panelboard: GP2 | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 100 A MCB | Mains Rating: 250 A
Panel Type: P2 | Mounting: SURFACE | Options: | Notes:
NEMA Type Enclosure NEMA 1

Load Description	Breaker Option	Trip	Poles	Circ No.	A	B	C	A	B	C	Circ No.	Poles	Trip	Breaker Option	Load Description
EXISTING HWUH	HACR	20 A	1	1	480 VA			780 VA			2	2	20 A		EXISTING AIR CLEANER
EXISTING HWUH	HACR	20 A	1	3		480 VA			780 VA		4				
EXISTING HWUH	HACR	20 A	1	5			480 VA			780 VA	6	2	20 A		EXISTING AIR CLEANER
EXISTING BOILER PUMP	ST	20 A	1	7	240 VA			780 VA			8				
	--	--	--	9		0 VA			780 VA		10	2	20 A		EXISTING AIR CLEANER
EXISTING BOILER PUMP	ST	20 A	1	11			240 VA			780 VA	12				
	--	--	--	13	0 VA			1000 VA			14	2	20 A	HACR	EWH-1
EXISTING BLDG CIRC PUMP		20 A	1	15		360 VA			1000 VA		16				
				17			1500 VA			500 VA	18	1	20 A	HACR	ECH-1A
EUH-1A	HACR	20 A	2	19	1500 VA			500 VA			20	1	20 A	HACR	ECH-1B
				21		1500 VA			630 VA		22	1	20 A		EP-1 RECEPT.
EUH-1B	HACR	20 A	2	23			1500 VA			630 VA	24	1	20 A		EP-1 CONTROL PANEL RECEPT.
				25	1500 VA			600 VA			26	1	20 A	ST	WH-1
EUH-1C	HACR	20 A	2	27		1500 VA			0 VA		28	--	--	--	
				29			1500 VA			180 VA	30	1	20 A		CP-1 & CP-2
EUH-1D	HACR	20 A	2	31	1500 VA			780 VA			32	1	20 A		AS-1
EXISTING EXHAUST FAN		20 A	1	33		1065 VA			0 VA		34	1	20 A	--	SPARE
EXISTNG BOILER STOP		20 A	1	35			180 VA			0 VA	36	1	20 A	--	SPARE
SPARE	--	20 A	1	37	0 VA			0 VA			38	1	20 A	--	SPARE
SPARE	--	20 A	1	39		0 VA			0 VA		40	--	--	--	SPACE
SPACE	--	--	--	41			0 VA			0 VA	42	--	--	--	SPACE

Connected Totals: A 9.7 kVA | B 8.1 kVA | C 8.3 kVA | Total: 26.0 kVA | Amps 72 A

(All Phases to be balanced to within 7% Actual Load Totals)

Breaker Option
AS - Powerlink AS Breaker
LO - Handle Lock-off Device
ST - Shunt Trip Type
AUX - Auxillary Contacts
PA - Handle Padlock Attchment
GFCI - Ground Fault Circuit Interrupter
HACR - Heating, A/C & Refrigeration
SF - Subfeed
TC - Time Clock Control

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

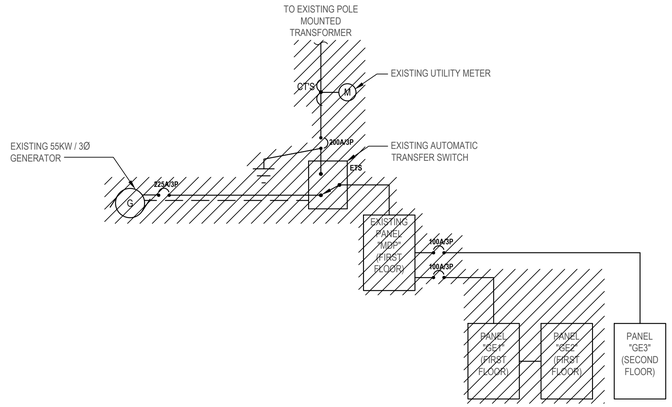
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
ELECTRICAL PANEL SCHEDULES

DRAWING No.
E 601

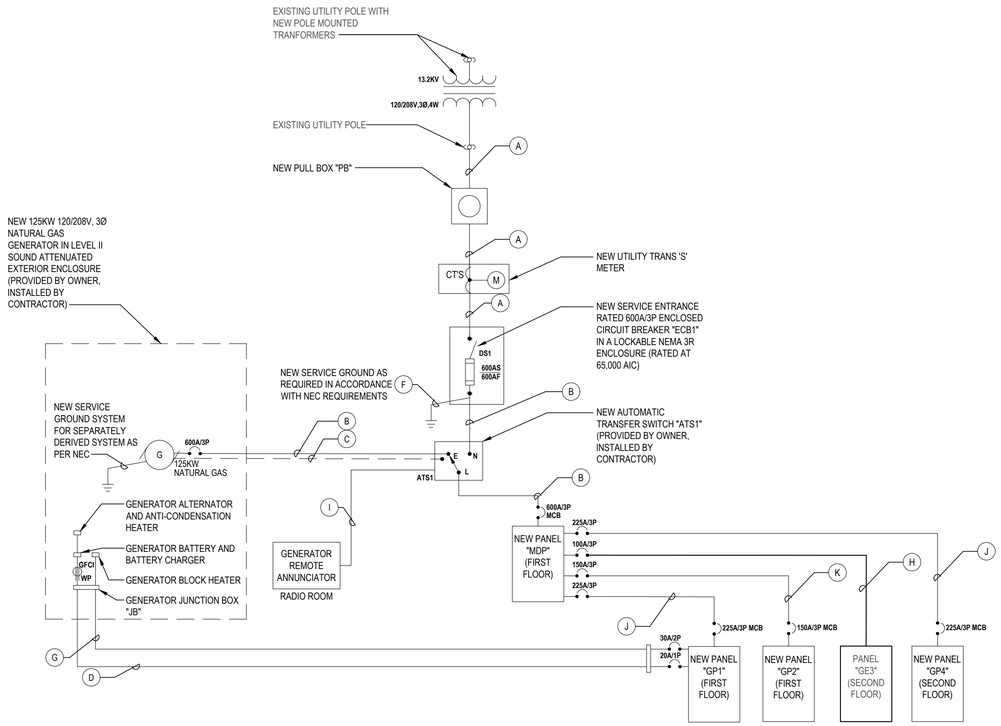
C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt
12/17/2021 11:05:08 AM



1 Electrical Partial Existing Single Line Diagram (NOTE SL1)

SCALE:NTS

LEGEND
- REMOVE AND DISPOSE OF ITEM IDENTIFIED, U.O.N.



2 Electrical Partial New Single Line Diagram (NOTE SL1)

SCALE:NTS

TRANSFER SWITCH SCHEDULE

TRANSFER SWITCH IDENTIFICATION	TYPE	ENCLOSURE	VOLTS	PHASE	POLES	AMPS
ATS1	AUTOMATIC	NEMA 3R	208	3Ø	4	600A

DISCONNECT SWITCH SCHEDULE

DISCONNECT SWITCH IDENTIFICATION	TYPE	ENCLOSURE	VOLTS	POLES	FRAME SIZE AMPS	FUSE RATING
DS1	FUSED	NEMA 1	240	4*	600A	600A

* SERVICE ENTRANCE RATED

SINGLE LINE DIAGRAM FEEDER SCHEDULE

FEEDER	CONDUCTOR AND CONDUITS FEEDER SCHEDULE
A	2 SETS OF 4-350 MCM IN (2) 3-1/2" E.C. (PVC SCHEDULE 80)(EXTERIOR)
B	2 SETS OF 4-350 MCM + #1 AWG GND IN (2) 4" E.C.
C	10 #14 AWG + BELDEN '9279' CABLE 1" E.C.(PVC SCHEDULE 80) (EXTERIOR) AND 1" EMT (INTERIOR)
D	2 #12 AWG + #12 AWG GND IN 3/4" E.C. (FOR BATTERY CHARGER, ANTI-CONDENSATION HEATER AND RECEPTACLES) PVC SCHEDULE 80 (EXTERIOR) AND EMT (INTERIOR)
E	#2/0 AWG DNS RO UNDERGROUND METAL WATER MAING AND #2/0 AWG GND TO 3/4" X 10' SOLID COPPER GROUND ROD AND #2/0 AWG GND TO 3/4" X 10' SOLID COPPER ROD VIA METAL FRAME OF BUILDING AND #2/0 AWG GND FROM METAL WATER MAIN PIPING SYSTEM TO METAL FRAME OF BUILDING
F	NEW SERVICE GROUND FOR SEPARATELY DERIVED SYSTEM AS PER NEC.
G	2 #10 AWG + #10 AWG GND IN 3/4" PVC SCHEDULE 80 (EXTERIOR) AND EMT (INTERIOR) (BLOCK HEATER)
H	4 #3 AWG + #8 AWG GND IN 1-1/4" E.C.
I	BELDEN '9279' CABLE IN 3/4" E.C. (ROUTED CONTINUOUS FROM GENERATOR)
J	4 #4/0 AWG + #4 AWG GND IN 3" E.C.
K	4 #1/0 AWG + #6 AWG GND IN 2" E.C.

SINGLE LINE DIAGRAM NOTES:

SL1. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL SHUTDOWN WITH CON EDISON AND THE CLIENT AS REQUIRED. CONTRACTOR SHALL COMPLETE ALL APPLICATIONS AND PAY RELATED FEES REQUIRED FOR SHUTDOWN.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3/DJH	AJD/DJH		*

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL SINGLE LINE DIAGRAM

DRAWING No.

E 610

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:08 AM

FIRE ALARM SHEET LIST

Sheet Number	Sheet Name
FA 001.	FIRE ALARM LEGENDS AND RISER DIAGRAMS
FA 101.	FIRE ALARM FIRST FLOOR PLAN
FA 102.	FIRE ALARM SECOND FLOOR PLAN
FA 103.	FIRE ALARM ROOF PLAN

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION	COMMENTS
FACP	FIRE ALARM CONTROL PANEL.	
RA	REMOTE ANNUNCIATOR WITH BACKBOX.	
S	SMOKE DETECTOR.	
S CO	SMOKE DETECTOR WITH CARBON MONOXIDE AND LOCAL TEMPORAL '4' SOUNDER BASE.	
S COSB	SMOKE DETECTOR WITH CARBON MONOXIDE AND INTEGRAL SOUNDER BASE.	
CO	CARBON MONOXIDE DETECTOR.	
FACP S	ABOVE CEILING SMOKE DETECTOR WITH REMOTE ALARM LAMP.	
FACP S RTS	DUCT DETECTOR WITH REMOTE ALARM LAMP; "S" DENOTES SUPPLY, "R" DENOTES RETURN.	
H	HEAT DETECTOR.	
H 200°	HEAT DETECTOR 200°.	
	HORN/STROBE COMBO.	
WP	WEATHER PROOF HORN/STROBE COMBO WITH BACKBOX.	
AM	ADAPTER MODULE WITH MOUNTING PLATE.	
SH	SMOKE HATCH (F.B.O.).	
	STROBE.	
DH	MAGNETIC DOOR HOLDER.	
DR	DOOR RELEASE RELAY.	
F	MANUAL PULL STATION WITH BACKBOX.	
R	RELAY.	
IAM	INDIVIDUAL ADDRESSABLE MODULE.	
CM	CONTROL MODULE.	
AES	AUTOMATIC EXTINGUISHING SYSTEM.	
	MOTOR STARTER.	
	END OF LINE RESISTOR.	
BT	BEAM DETECTOR TRANSMITTER.	
BR	BEAM DETECTOR RECEIVER.	
SP	SURGE PROTECTOR.	
	BELL/STROBE.	
S	SMOKE DETECTOR FOR ELEVATOR RECALL.	
SRP	SUPPRESSION RELEASING PANEL.	
MS	MAINTENANCE SWITCH.	
SOL	SOLENOID (F.B.O.).	
PS	PRESSURE SWITCH.	
TS	TAMPER SWITCH.	
FS	FLOW SWITCH.	
CS	COIL SUPERVISORY (F.B.O.).	
CL	AIR COMPRESSOR, LOW PRESSURE (F.B.O.).	
CH	AIR COMPRESSOR, HIGH PRESSURE (F.B.O.).	
B	STAGE 2 BELL.	

NOTES:

1. ALL WIRING TO BE INSTALLED ACCORDING TO THE LATEST REVISION OF THE NATIONAL ELECTRIC CODE OR AS DICTATED BY CONTRACT SPECIFICATIONS, AND THE 2013 EDITION OF N.F.P.A 72 OR AS REQUIRED BY LOCAL ORDINANCE.

2. ALL CONDUCTORS MUST BE TEST FREE OF OPENS, SHORTS AND GROUNDS.

3. GROUNDING MUST COMPLY WITH THE NATIONAL ELECTRIC CODE. GROUNDING MUST BE NO. 12 A.W.G.

4. ALL PANEL TERMINATIONS TO BE SUPERVISED BY A FACTORY AUTHORIZED TECHNICIAN PRIOR TO POWERING EQUIPMENT.

5. FOR COMPONENT WIRING AND INSTALLATION INFORMATION REFER TO MANUFACTURERS REQUIREMENTS.

6. REFER TO CONTRACT DRAWINGS FOR APPROXIMATE DEVICE LOCATIONS. DRAWINGS REPRESENT DEVICE QUANTITIES. SHOP DRAWINGS SHALL BE SUBMITTED SHOWING SCALED LOCATIONS. CONTRACTOR TO SUBMIT PLANS STAMPED BY LICENSED NEW YORK PROFESSIONAL ENGINEER ONLY. SHOP DRAWINGS WITHOUT P.E STAMP WILL BE AUTOMATICALLY REJECTED.

7. EXISTING FIRE ALARM SYSTEM INCLUDING ALL DEVICES TO BE DISCONNECTED AND REMOVED IN ITS ENTIRETY AFTER NEW FIRE ALARM HAS BEEN TESTED AND ACCEPTED BY LOCAL FIRE MARSHALL, OWNER AND ENGINEER ALL EQUIPMENT, CONDUIT AND WIRING TO BE REMOVED FROM DEVICE BACK TO THEIR ORIGINAL SOURCE.

8. CONTRACTOR RESPONSIBLE TO PATCH & PAINT ALL OPENINGS AS A RESULT OF REMOVAL OF EXISTING EQUIPMENT.

9. INSTALL DETECTORS A MINIMUM OF 3'-0" FROM ANY SUPPLY OR RETURN AIR REGISTERS. COORDINATE EXACT LOCATIONS OF SUPPLY/RETURNS REGISTERS WITH MECHANICAL CONTRACTOR.

10. WHEN INSTALLING SHIELDED CABLE THE FOLLOWING MUST BE OBSERVED:
    A. METALLIC CONTINUITY MUST BE MAINTAINED THROUGHOUT THE CABLE RUN.
    B. THE CABLE SHIELD MUST BE ISOLATED FROM GROUND AND TERMINATED ONLY IN THE ASSOCIATED CONTROL PANEL AT THE TERMINAL INDICATED ON THE CONTROL PANEL DRAWINGS. THE REMOTE END OF THE SHIELD (AT LAST DEVICE) MUST BE TAPED AND ISOLATED FROM GROUND.

11. ALL STROBE APPLIANCES SHALL BE SYNCHRONIZED. ALL ALARM INDICATING APPLIANCES SHALL SOUND A 'TEMPORAL 3' CODE PATTERN.

12. AFTER ALARM INDICATION, ALL FANS SHALL BE MANUALLY RESET INDEPENDENT FROM F.A.C.P. SYSTEM RESET. PROVIDE ALL REQUIRED HARDWARE ACCESSORIES, MOTOR STARTERS, CONTROLS, POWER AND CONTROL WIRING AND CONDUITS TO PROVIDE INDEPENDENT RESET OF ALL FANS AFTER ALARM INDICATION.

13. INSTALL ALL DEVICES IN ACCORDANCE WITH A.D.A REQUIREMENTS. ALL DEVICES SHALL BE MOUNTED AS FOLLOWS:
    A. MANUAL PULL STATIONS 48" O.C.
    B. ALARM INDICATING APPLIANCE 80" A.F.F.
    C. VERIFY WITH CONTRACT SPECIFICATIONS FOR ANY DEVIATIONS.

14. STROBES SHALL BE WIRED TO REMAIN ACTIVE AFTER SILENCE FUNCTION IS PERFORMED.

15. PROVIDE AND INSTALL ALL NECESSARY CONTROL MODULES, SYNCHRONIZATION MODULES AND MONITOR MODULES AS REQUIRED BY MANUFACTURER.

16. ALL EQUIPMENT TO BE RECESSED MOUNTED AND ALL WIRING AND CONDUIT TO BE RUN CONCEALED.

17. PROVIDE AND INSTALL ALL REQUIRED RELAYS TO RELEASE ELECTRIC DOOR LATCHES.

18. COORDINATE EXACT LOCATION OF REMOTE ANNUNCIATOR AND F.A.C.P. WITH LOCAL FIRE MARSHALL AND OWNER.

19. PROVIDE ALL REQUIRED DUCT SMOKE DETECTORS. CONTRACTOR TO INSTALL DUCT SMOKE DETECTORS. CONTRACTOR TO INTERFACE ALL DUCT DETECTORS WITH FACP.

20. CONTRACTOR TO INSTALL NECESSARY COMPONENTS FOR ELEVATOR RECALL AS PER AHJ. EACH LOBBY, SHAFT, AND PIT TO HAVE SMOKE DETECTION. WHERE APPLICABLE CONTRACTOR TO COORDINATE AND INSTALL NECESSARY COMPONENTS TO INTERFACE FIRE ALARM SYSTEM, ELEVATOR, AND SMOKE DETECTION LOCATED IN THE ELEVATOR SHAFT AND ELEVATOR LOBBIES.

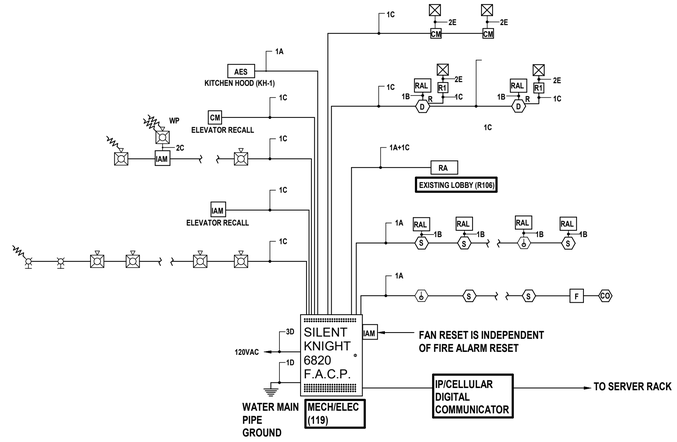
21. CONTRACTOR SHALL PROVIDE ALL COMMUNICATION WIRING FOR FACP. PROVIDE ALL REQUIRED WIRING/CONDUIT TO LOCATE COMMUNICATIONS IN FACP. PROVIDE CAT6 CABLE AND DATA JACKS AS REQUIRED.

22. FIRE ALARM RISER DIAGRAM IS SCHEMATIC. REFER TO FLOOR PLANS FOR DEVICE TYPES AND QUANTITIES.

23. ALL HVAC EQUIPMENT WITH A CFM RATING OF 1000 CFM OR GREATER SHALL BE INTERCONNECTED TO THE FIRE ALARM SYSTEM AND SHUT DOWN UPON FIRE ALARM SYSTEM ALARM ACTIVATION. CONTRACTOR SHALL ALSO PROVIDE AND INSTALL RETURN DUCT SMOKE DETECTORS WITH REMOTE LED'S FOR ALL HVAC UNITS WITH A CFM RATING OF 2000 CFM OR GREATER. CONTRACTOR SHALL CONDUCT A SURVEY OF ALL HVAC EQUIPMENT.

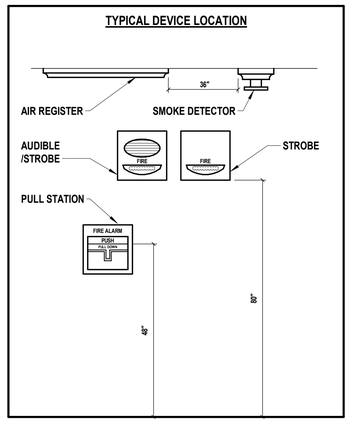
24. IN ADDITION TO DEVICES SHOWN ON THE DRAWINGS CONTRACTOR TO PROVIDE FIVE (5) SMOKE DETECTORS, THREE (3) HEAT DETECTORS, THREE (3) MULTI-CRITERIA DETECTORS WITH CARBON MONOXIDE SOUNDER BASE, THREE (3) PULL STATIONS, THREE (3) HORN STROBES, AND THREE (3) STROBES. EACH DEVICE SHALL BE INCLUDED WITH 100' OF WIRING AND/OR CONDUIT.

25. PLENUM WIRING TO BE USED IN ALL AREAS ABOVE DROP CEILINGS. CONDUIT MUST BE USED IN ALL TRUCK BAYS, MECHANICALROOMS, AND ELECTRICAL ROOMS. CONDUIT MUST ALSO BE USED IN ALL AREAS WITH OPEN CEILINGS.



1 Fire Alarm Riser Diagram (NOTE 22)
SCALE:NTS

WIRE LEGEND			
	WIRE DESCRIPTION	TYPE	NOTES
A	1 PAIR TWISTED SHIELDED #18 AWG	FPLP	-
B	1 PAIR #18 AWG. NON-SHIELDED	FPLP	-
C	1 PAIR #14 AWG. NON SHIELDED	FPLP	-
D	#12 AWG. NON SHIELDED	THHN	*
E	#14 AWG. NON SHIELDED	THHN	-
F	1 PAIR TWISTED SHIELDED #16 AWG.	FPLP	-



2 Typical Fire Alarm Device Location
SCALE:NTS

	CONTROL UNIT ANNUNCIATION						NOTIFICATION		SUPPLIMENTARY	
	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE VISUAL ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE COMMON TROUBLE SIGNAL	ACTUATE ZONE INDICATION	ACTUATE FULL BUILDING EVACUATION SIGNAL	DISPLAY CHANGE OF STATUS	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISION SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	HVAC FAN SHUTDOWN	INITIAATE EXTERIOR STROBE
MANUAL PULL STATION	●	●			●	●	●	●			●	●
SMOKE DETECTOR	●	●			●	●	●	●			●	●
HEAT DETECTOR	●	●			●	●	●	●			●	●
DUCT DETECTOR	●	●			●	●	●	●			●	●
CARBON MONOXIDE DETECTOR					●		●		●			
FIRE PANEL AC POWER FAILURE			●						●			
FA SYSTEM LOW BATTERY				●						●		
OPEN CIRCUIT				●						●		
GROUND FAULT				●						●		
NOTIFICATION APPLIANCE CIRCUIT SHORT				●						●		
AIR ASPIRATION DETECTOR	●	●			●	●	●	●			●	●

3 Fire Alarm Sequence of Operations
SCALE:NTS

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3	AJD		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

FIRE ALARM LEGENDS AND RISER DIAGRAMS

DRAWING No.

FA 001

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:12 AM

1 Electrical Fire Alarm First Floor Plan

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

ELECTRICAL KEY NOTES:

1. CONTRACTOR SHALL PROVIDE AND INSTALL A SMOKE DETECTOR IN THE ELEVATOR SHAFT PIT. CONTRACTOR SHALL PROVIDE AND INSTALL A CEILING MOUNTED REMOTE ALARM LAMP IN THE HALLWAY ADJACENT TO THE ELEVATOR SHAFT DOORS IN THE CELLAR TO INDICATE WHEN THE ELEVATOR PIT SMOKE DETECTOR IS IN ALARM. PROVIDE AND INSTALL A LABEL ON THE REMOTE ALARM LAMP STATING "ELEVATOR PIT SMOKE DETECTOR". SMOKE DETECTOR SHALL BE INSTALLED BELOW LOWEST TRAVEL OF THE ELEVATOR.
2. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF NEW FACP, REMOTE ANNUNCIATOR, AND NAC PANELS WITH OWNER PRIOR TO INSTALLATION.
3. REMOTE ANNUNCIATOR SHALL BE MOUNTED SO THAT IT IS VISIBLE FROM OUTSIDE THE BUILDING.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3	AJD		
PROJECT No:	DATE:	SCALE:	
MKIV1803	12/13/2021	AS SHOWN	

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

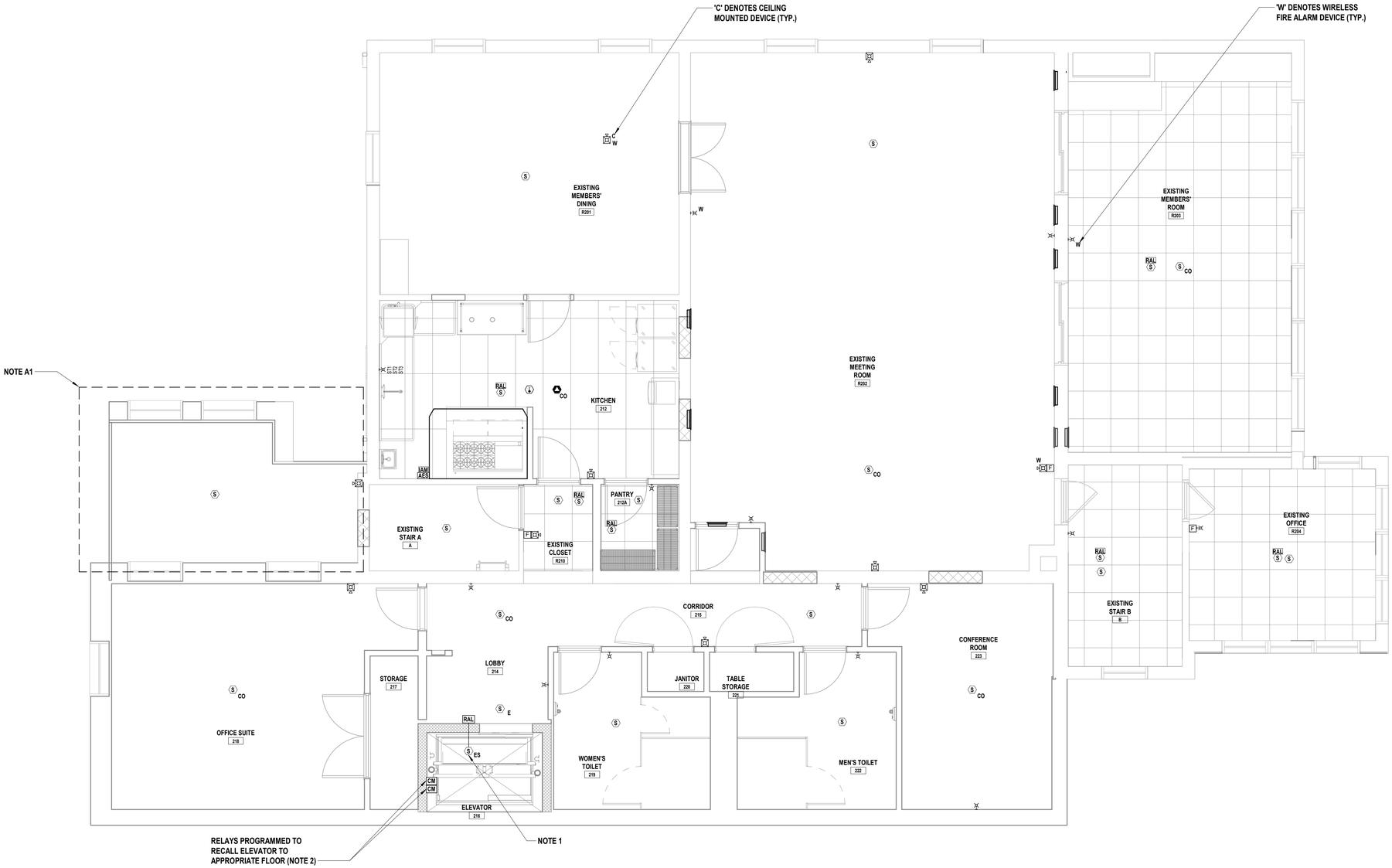
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
FIRE ALARM FIRST FLOOR PLAN

DRAWING No.
FA 101

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt
12/17/2021 11:05:13 AM



1 Electrical Fire Alarm Second Floor Plan

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

ELECTRICAL KEY NOTE:

1. CONTRACTOR SHALL PROVIDE AND INSTALL A SMOKE DETECTOR AT THE TOP OF THE ELEVATOR SHAFT. CONTRACTOR SHALL PROVIDE AND INSTALL A CEILING MOUNTED REMOTE ALARM LAMP IN CLOSE PROXIMITY OF THE ELEVATOR SHAFT DOORS ON THE SECOND FLOOR AS SHOWN TO INDICATE WHEN THE ELEVATOR SHAFT SMOKE DETECTOR IS IN ALARM. PROVIDE AND INSTALL A LABEL OF REMOTE ALARM LAMP STATING "ELEVATOR SHAFT SMOKE DETECTOR."

ADD/ALTERNATE NOTES:

A1. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 01, ONLY.

H2M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3	AJD		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

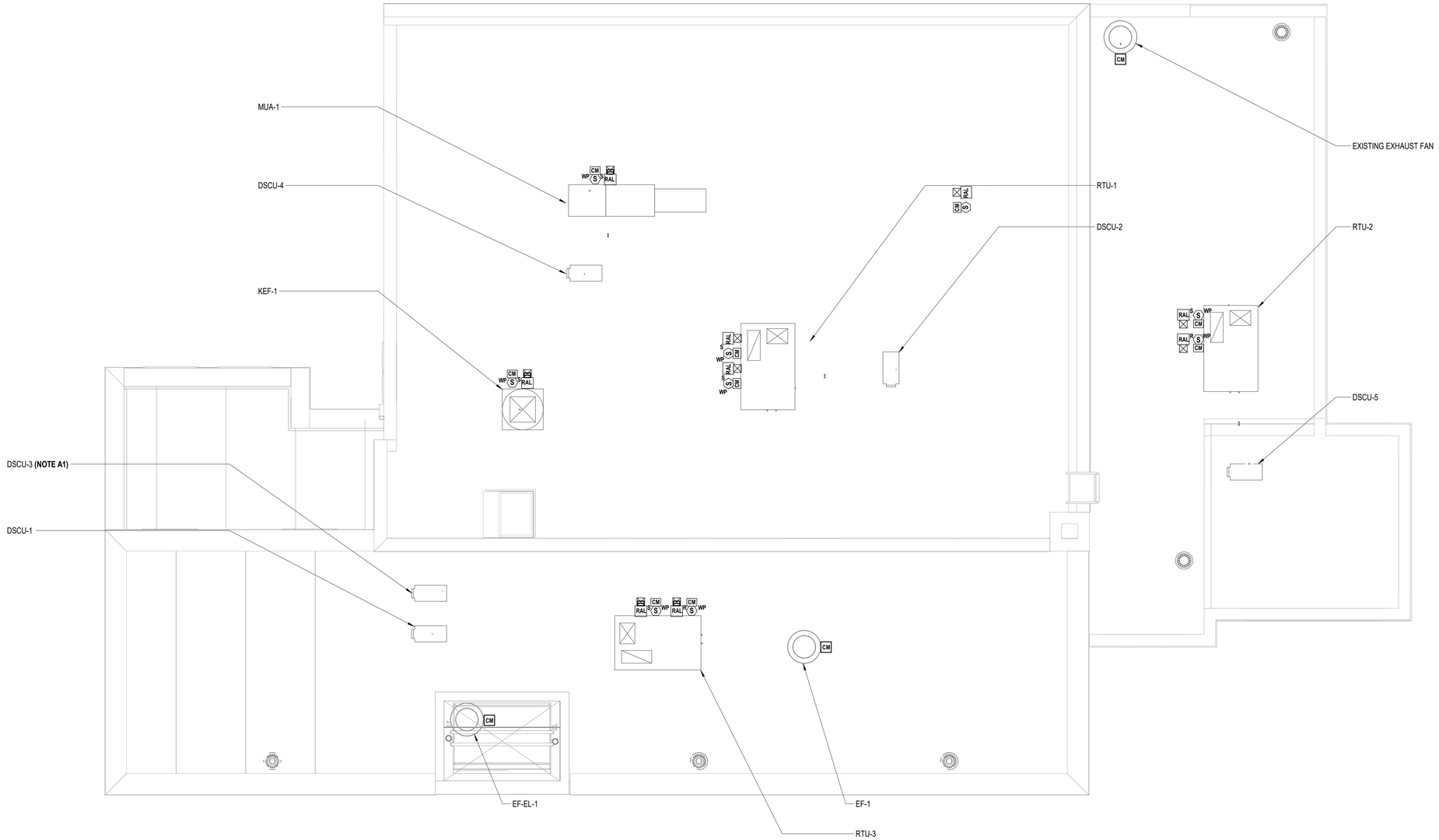
FIRE ALARM SECOND FLOOR PLAN

DRAWING No.

FA 102

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:14 AM



1 Electrical Fire Alarm Roof Plan

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

ADD/ALTERNATE NOTES:

A1. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 01, ONLY.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JMM3	AJD		

PROJECT No:	DATE:	SCALE:
MKIV1803	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO INDEPENDENT FIRE COMPANY

322 Lexington Ave
Mount Kisco, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

FIRE ALARM ROOF PLAN

DRAWING No.

FA 103

C:\Users\dhansen\Documents\MKIV1803_Central19_M_dhansen.rvt

12/17/2021 11:05:15 AM