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ADDENDUM NUMBER THREE TO BIDDING DOCUMENTS

Village of Mount Kisco, Additions/Alterations to
Mutual Fire Station and Independent Fire Co. Fire Station

Date: February 9, 2022

Site Address: Mutual: 99 Main Street, Mount Kisco, NY 10549
Independent: 322 Lexington Ave, Mount Kisco, NY 10549

Owner: Village of Mount Kisco
Village Hall
104 Main Street
Mount Kisco, NY 10549

Architect: H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
Phone: 518-765-5105
Fax: 518-765-5107

TOTAL PAGES (Including Cover Page and attachments): 17 pages (7 - 11" x 8.5" pages and 10 – 24" x 36" Drawings)

NOTE: ALL BIDDERS MUST EMAIL TO albanyoffice@h2m.com A CONFIRMATION OF RECEIPT OF THIS ADDENDUM. PLEASE PRINT COMPANY NAME, SIGN AND DATE THIS COVER PAGE AND EMAIL TO H2M architects + engineers.

Company Name _____
(Please Print)

Sign and Date_____

The information described herein as Addendum Number Three, is hereby made addenda to all previously issued construction documents related to the Project and shall be incorporated into the Scope of the Base Bid. These pages shall be attached to the Project Manual.

The Bid Date remains February 15, 2022, at 11:00 A.M.
As Amended in Addendum #2.

QUESTIONS FOR BOTH MUTUAL AND INDEPENDENT FIRE STATIONS

Item #Q1 – MUTUAL & INDEPENDENT

Q. There have been several questions from contractors and sub-contractors regarding "Who is responsible for…." And other scope questions.

A. This is a single prime project. All work belongs to the General Contractor (GC) unless it is work by Con Edison or work that is specifically stated to be done by the Owner. How you divide the work to sub-contractors is totally up to the GC.
Questions regarding limits of a sub-contractor's work, which sub-contractor is doing what, who is excavating and backfilling, work outside the building, etc. can only be answered by the individual GC. Every GC may elect to divide the work differently if at all. We recommend sub-contractors clarify their work scope and limits with each individual GC you may be sending a proposal to.

Item #Q2 – MUTUAL & INDEPENDENT

Q. Are existing roof drains considered to be replaced with extension RD (as per A1.3) or New?

A. Contractor's Option – extensions as detailed or new are both acceptable.

QUESTIONS FOR MUTUAL FIRE STATION

Item #Q1 – MUTUAL

Q: Please describe the extent of Detail 7/A1.3 Typical Parapet Detail:
1. The entire perimeter?
2. The perimeter at Roof A only?
3. All parapet walls?

A. Along with its edge blow-up Detail 11/A1.3, Detail 7/A1.3 is typical for all parapet/edge Details except at the following locations:
- EIFS Parapet (top of the East and West EIFS walls above Roof B).
- Top of the North parapet wall at Roof B (see Detail 7/A3.1).
- Two interior edges of elevator shaft bump-up – Roof D (see Detail 2/A4.1).

Item #Q2 – MUTUAL

Q. Detail 8/A1.3 EIFS Parapet
1. The 4 sides of Roof B/
2. Or the 2 sides only?

A. Detail 8/A1.3 applies only to the two locations shown in Detail 1/A1.3. Note: It is located at the top of the East and West walls that extend above Roof B.

Item #Q3 – MUTUAL

Q. What is the extent of the exterior sheathing shown on this Detail 8/A1.3?

A. 5/8" exterior gypsum board sheathing is only required in Exterior Wall Type 17 as shown on Drawing A0.1.

Item #Q4 – MUTUAL

Q. Who is responsible to F/I gas interlock valve listed on P121.01?

A. The GC or sub-contractors as assigned by individual General Contractor.

Item #Q5 – MUTUAL

Q. Who is responsible for F/I gas meter (P120.01)?

A. As shown on Drawing P120.01 (Addenda #1), the gas meter and service regulator are furnished by ConEdison and installed by the General Contractor.

Item #Q6 – MUTUAL

Q. Nature of compressed air piping?

A. See Specification Section 221500 – General - Service Compressed – Air System.

Item #Q7 – MUTUAL

Q. Is the Plumbing Contractor responsible for F/I4" underground gas piping from the gas meter to new Generator? Polyethylene fusion weld?

A. The General Contractor is responsible – see Q#1 for both Mutual and Independent Fire Stations answer in this Addendum. See also Specification Section 221005 – Plumbing Piping, paragraphs 2.08, 2.09 and 2.10 for natural gas piping fittings and joints.

Item #Q8 – MUTUAL

Q. Per the response to item #Q5 – Mutual, it was advised that an investigation of the existing roofing during a walk through may offer clues as to whether or not the existing roof is fully adhered or mechanically fastened, however, roof access was not available during the site visit of Mutual Station. Please advise what we should base our proposal on.

A. To the best of our knowledge, the roof is mechanically fastened.

QUESTIONS FOR INDPENDENT FIRE STATION

Item #Q1 – INDEPENDENT

Q. Independent Roof Plan, what is the extent of Details; 6 and 7/A1.3?

A. Detail 7/A1.3 should be used for all roof edges. Use Detail 5/A1.3 as shown in Detail 1/A1.3 between new Roof A on the existing station and new Roof C on the Addition.

SPECIFICATIONS FOR INDEPENDENT FIRE STATION

Item #S1 – INDEPENDENT
Section 095100 – Acoustical Lay-In Ceilings

1. Paragraph 2.01 C. – 2' x 4' Tiles
    a. Type 24A change "Ceramaguard Fine Fissured™" to "Ceramaguard Unperforated".
    b. Sub-paragraph i.: Change "Light Reflectance: 0.88".

DRAWINGS FOR MUTUAL FIRE STATION

Item #D1 – MUTUAL
Drawing E101 – Electrical Power Plan First Floor

1. On the East exterior wall of the new addition, add a GFI duplex receptacle with in-use weatherproof cover outside Closet 115. Receptacle to be recess mounted in brick veneer at 32" AFF to bottom of box. Circuit to GP2-12.
2. On the North exterior wall of the new addition, add two GFI duplex receptacles with in-use weatherproof covers. One to be located just West of the new overhead door and one 6' East of the front building corner. Receptacles to be recess mounted in brick veneer at 32" AFF to bottom of box. Circuit to GP2-2.

Item #D2 – MUTUAL
Drawing E102.01 – Electrical Power Plan Second Floor

1. In Room 210 – Office, add one additional duplex outlet on the North, West, and East walls. Circuit receptables to GP3-15. Coordinate exact location with Fire Company prior to installation.
2. In Room 214 – Training Room, add two additional wall duplex outlets. Circuit receptacles to GP3-14. Coordinate exact location of each receptacle with Fire Company prior to installation.
3. In Room 120 – Expanded Laundry/Storage, add two duplex receptacles over the work bench on the South wall of the room. Coordinate exact location and height above finished floor for each receptacle with Fire Company prior to installation. Circuit to GP2-7.
4. In the Southwest corner of Room 114 Entrance, add a ceiling mounted camera location.
5. In Room R111 – Ex. Chief Office, add a quad, double duplex outlet on the West wall. Coordinate location and height above floor with Fire Company prior to installation. Circuit to GP2-10.

Item #D3 – MUTUAL
Drawing E121.01 – Electrical Lighting Plan First Floor

1. In Room 118 – New Apparatus Bay, Door 118, provide light switches to operate both new and existing Apparatus Bay lights (A, B, C, and G).

Item #D4 – MUTUAL
Drawing E122.01 – Electrical Lighting Plan Second Floor

1. In Room R205 – Existing Member's Room, at Door R205B (Door to Stair B), add light switches for Member's Room light fixtures L, M, and N.
2. On North exterior wall, Exterior Fixture F7E, change note to read "Mount 1' – 0" above D-Ring, See Detail 1/A2.1".

Item #D5 – MUTUAL
Delete the following Mechanical Drawings and replace with the revised Mechanical Drawings dated 2/8/2022, located at the end of this Addendum:

Original Drawing No.	Title	Revised Drawing No.
MD 102	Second Floor HVAC Demo Plan	MD 102.03
M 101	First Floor HVAC Plan	M 101.03
M 132	Second Floor HVAC Plan	M 132.03
M 133	Roof HVAC Plan	M 133.03
M 610	Schedules (1 of 2)	M 610.03
M 620	Schedules (2 of 2)	M 620.03

Item #D6 – MUTUAL
Delete the following Electrical Drawings and replace with the revised Electrical Drawings dated 2/8/2022, located at the end of this Addendum:

Original Drawing No.	Title	Revised Drawing No.
E 111	Electrical HVAC Power Plan First Floor	E 111.03
E 121	Electrical Lighting Plan First Floor	E 121.03
E 600	Electrical Schedules	E 600.03
E 601	Electrical Panel Schedules	E 601.03

DRAWINGS FOR INDEPENDENT FIRE STATION

Item #D1 – INDEPENDENT
Drawing CD100.02 – Demolition and Erosion and Sediment Control Plan

1. Control Plan:
    a. Along the South property line, change Note “Remove and Dispose of Existing Concrete Pad” to “Existing Concrete Pad to Remain, Route Underground Utilities Around this Pad.”
    b. Along the South property line, “Remove and Dispose Asphalt Pavement Base” this is the location of the new underground propane tank to service the generator. Saw cut asphalt at limits of pavement removal, coordinate exact location and size with Village of Mount Kisco who will be providing LP tank. See item D7 in this Addenda for more information.

Item #D2 - INDEPENDENT
Drawing A1.1 – Frist and Second Floor Plans

1. Detail 1/A1.1 – New First Floor Plan
    a. With the addition of a tempered water feed (TW) to the wall behind the drinking fountain (see plumbing change in this Addendum), rough ins will be available to the Owner or Fire Company to install a kitchenette in the alcove area of Room 112 in the future.

Item #D3 – INDEPENDENT
Drawing A1.2 – Reflected Ceiling Plan

1. Room 118 – New Gear Lockers: Change SAC Type from “2x2A” to “2x4A Ceramaguard® Unperforated”.
2. “Room 213” change to “Room 212A (Pantry)”, change SAC Type from “2x2A” to 2x4A”.

Item #D4 – INDEPENDENT
Drawing A1.3 – Roof Plan and Details

1. Delete Detail 6/A1.3.

Item #D5 – INDEPENDENT
Drawing A9.1 – Finish Schedule and Details

1. Finish Room Schedule – Make the following changes:
    a. Room 118: Change Ceiling Fin. from "22A" to "24A".
    b. Room 114: Change Ceiling Mat. to "SAC" and change Ceiling Fin. to "22A".
    c. Room 117: Change Ceiling Fin. to "22B".
    d. Room 212: Change Ceiling Fin. to "24A".
    e. Room 212A: Change Ceiling Fin. to "24A".
    f. Room 219: Change Ceiling Fin. to "22B".

Item #D6 – INDEPENDENT
Drawing P120.00 – Domestic Water and Gas First Floor Plumbing Plan

1. Extend a ¾" TW Supply Line from nearest available to the wall behind the drinking fountains. This along with CW to drinking fountains, current waste and vent lines to drinking fountain will serve as rough ins for future kitchenette by Owner, in Room 112.

Item #D7 – INDEPENDENT
Drawing P501.00 – Plumbing Details II

1. Detail 14 – Propane Tank Schematic
    a. Notes: Delete existing Note 7 and replace with new Notes 7 and 8:
        1) "7. Village of Mount Kisco will provide the following:
            a) All excavation, backfill up to top of subgrade, and compaction of backfill. GC shall be responsible for all pavement sub-base.
            b) Providing and installing LP tank.
            c) Providing and installing LP tank hood (Service Riser) and all components within the service riser.
            d) Providing and installing cathodic protection.
            e) Provide for the filling of the LP tank with propane.
            f) Provide concrete Jersey Barriers to protect propane tank hood that sticks above grade.
        2) 8. The GC shall provide the following:
            a) Access to the tank location
            b) Saw cutting existing asphalt paving at limits of excavation.
            c) Provide the following to replace existing asphalt removed:
                i. Subbase course: 12" NYSDOT Type 304, Type 2
                ii. Asphalt Binder Course: 2.5" NYSDOT Type 3
                iii. Top Course: 1.5" NYSDOT Type 6F2
                iv. Tack coat at existing saw cut edges
            d) Do not pave within 3' diameter of propane tank hood, GC to fill this area with 4" of clean washed crushed stone.
            e) GC shall provide all piping from LP tank hood to generator including shut-off valve, dielectric union and regulator at generator. Piping underground shall be in accordance with Underground Propane Line Trench Detail, shown on this Drawing."

Item #D8 – INDEPENDENT
Drawing E540.01 – Electrical Generator Details

1. Detail 3 – The natural gas piping shown on the Right-hand side of this schematic is future and not part of this contract. It is dependent on the availability of an upgraded natural gas service to the station.

Item #D9 – INDEPENDENT
Drawing P600.00 – Domestic Water and Gas Riser Diagram

1. Detail 1 – Domestic Water Riser Diagram: Add a ¾" TW feed to wall behind DF-1 Label Future Room 112 Kitchenette, terminate in Type 52 wall 8" AFF with a ¾" shutoff.

Item #D10 – INDEPENDENT
Drawing E601 – Electrical Panel Schedules

1. Panel GP-2: Add Note: Provide 2" spare conduit with pull string from Panel GP-2 through new addition then underground terminating between the new Rain Garden and existing concrete pad (now scheduled to remain). Provide accessible pull box inside building near where conduit exits building underground.

Item #D11 – INDEPENDENT
Drawing E610.01 – Electrical Single Line Diagram

1. Detail 2 – Change Natural Gas Generator to "Dual Fuel (Nat Gas/LP Gas) Generator.

End of Addendum #3

See following attachments:

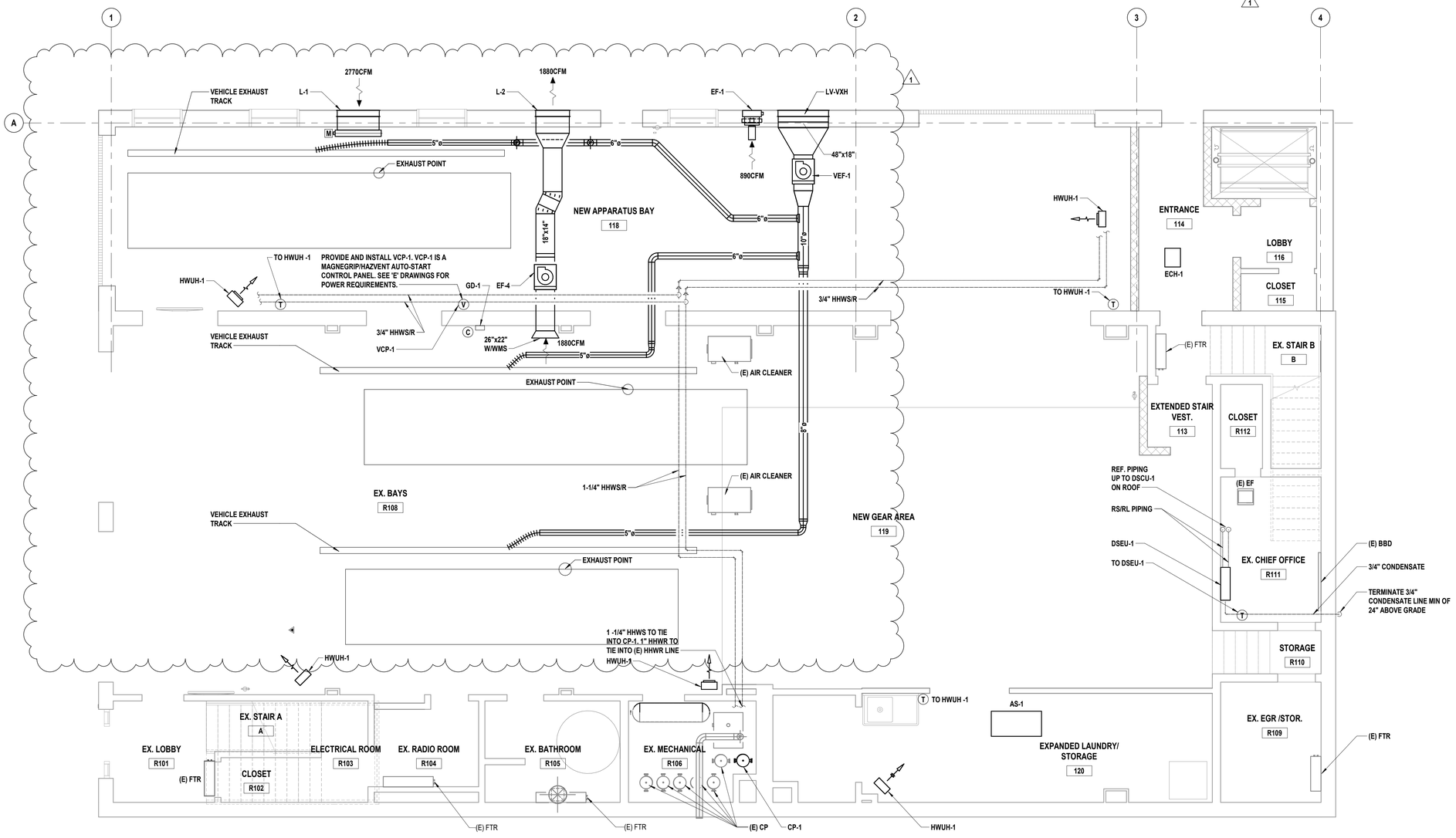
1. Drawing MD 102.03 – Second Floor HVAC Demo Plan
2. Drawing M 101.03 – First Floor HVAC Plan
3. Drawing M 132.03 – Second Floor HVAC Plan
4. Drawing M 133.03 – Roof HVAC Plan
5. Drawing M 610.03 – Schedules (1 of 2)
6. Drawing M 620.03 – Schedules (2 of 2)
7. Drawing E 111.03 – Electrical HVAC Power Plan First Floor
8. Drawing E 121.03 – Electrical Lighting Plan First Floor
9. Drawing E 600.03 – Electrical Schedules
10. Drawing E 601.03 – Electrical Panel Schedules

GENERAL WORK 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. INSTALL HVAC EQUIPMENT AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. INSULATE ALL HOT WATER PIPING AS PER SPECIFICATION.
5. ALL NEW UNIT HEATERS TO BE MOUNTED ABOVE DOOR OPENINGS UNLESS OTHERWISE SPECIFIED.
6. CONNECT REPLACED HOT WATER UNIT HEATERS TO EXISTING HOT WATER PIPING TAPS.
7. DIRECT CAPTURE VEHICLE EXHAUST SYSTEM MANUFACTURED BY MAGNEGRIP SHALL BE PROVIDED FOR ALL VEHICLES LOCATED IN THE EXISTING AND NEW APPARATUS BAYS

VEHICLE EXHAUST SYTEM NOTES:

1. BASIS OF DESIGN IS MAGNEGRIP.
2. CONTRACTOR SHALL PROVIDE AND INSTALL ALL VEHICLE EXHAUST RAILS, THE DIRECT CAPTURE VEHICLE EXHAUST FAN, ALL ASSOCIATED DUCTWORK, ALL ASSOCIATED LOUVERS, THE DIRECT CAPTURE VEHICLE EXHAUST CONTROL PANEL, AND ALL NECESSARY EQUIPMENT AND HARDWARE FOR PROPER SYSTEM OPERATION, AS INTENDED ON THIS DRAWING.
3. CONTRACTOR SHALL FIELD COORDINATE THE EXACT LOCATION/PLACEMENT OF THE VEHICLE EXHAUST RAILS AND ALL ASSOCIATED VEHICLE EXHAUST EQUIPMENT WITH THE DIRECT CAPTURE VEHICLE EXHAUST SYSTEM MANUFACTURER, PRIOR TO INSTALLATION. THIS DRAWING IS DIAGRAMMATIC ONLY. VEHICLE EXHAUST SYSTEM DESIGN TO CHANGE, BASED ON FIELD CONDITIONS.
4. FOR VCP-1, CONTRACTOR SHALL PROVIDE AND INSTALL MAGNEGRIP / HAZVENT AUTO-START CONTROL PANEL SYSTEM OR APPROVED EQUAL.



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

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CONSULTANTS:

MARK	DATE	DESCRIPTION
1	02/08/22	ADDENDUM #3

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	TDV	LC	LC

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
FIRST FLOOR HVAC PLAN

DRAWING No.
M 101.03

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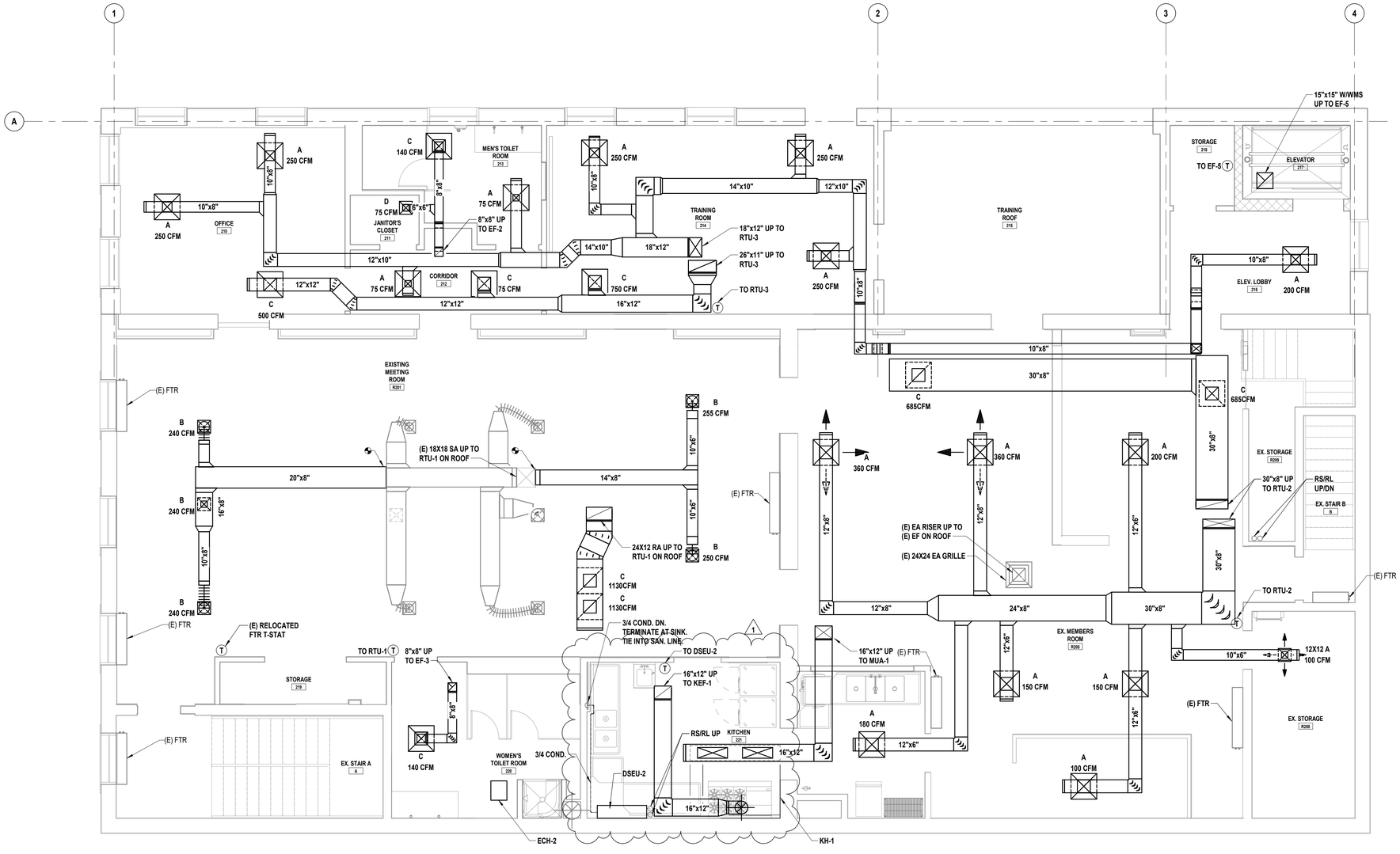
GENERAL WORK NOTES:

1. SIZE ALL REFRIGERANT PIPING AS PER MANUFACTURER'S INSTALL MANUAL. INSTALL ALL REFRIGERANT PIPING AS PER SPECIFICATIONS.
2. INSTALL HVAC EQUIPMENT AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. CONTRACTOR SHALL EMPLOY THE SERVICES OF A LICENSED, INDEPENDENT, TESTING AND BALANCING AGENCY TO BALANCE EXISTING DUCTWORK AND DIFFUSERS TO THE VALUES SHOWN, FOR SYSTEMS RTU-1 THROUGH RTU-3.
4. INSULATE ALL HOT WATER PIPING AS PER SPECIFICATION.
5. PROVIDE VOLUME DAMPERS AT ALL BRANCH DUCTS.
6. MAX FLEX DUCT TO BE 5'-0".
7. CLEAN AND SANITIZE EXISTING DUCTWORK AS NECESSARY. SEE SPECIFICATIONS FOR MORE INFORMATION.



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

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MARK	DATE	DESCRIPTION
1	02/08/22	ADDENDUM #3

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PDF	TDV	LC	LC

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

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SHEET TITLE
SECOND FLOOR HVAC PLAN

DRAWING No.
M 132.03

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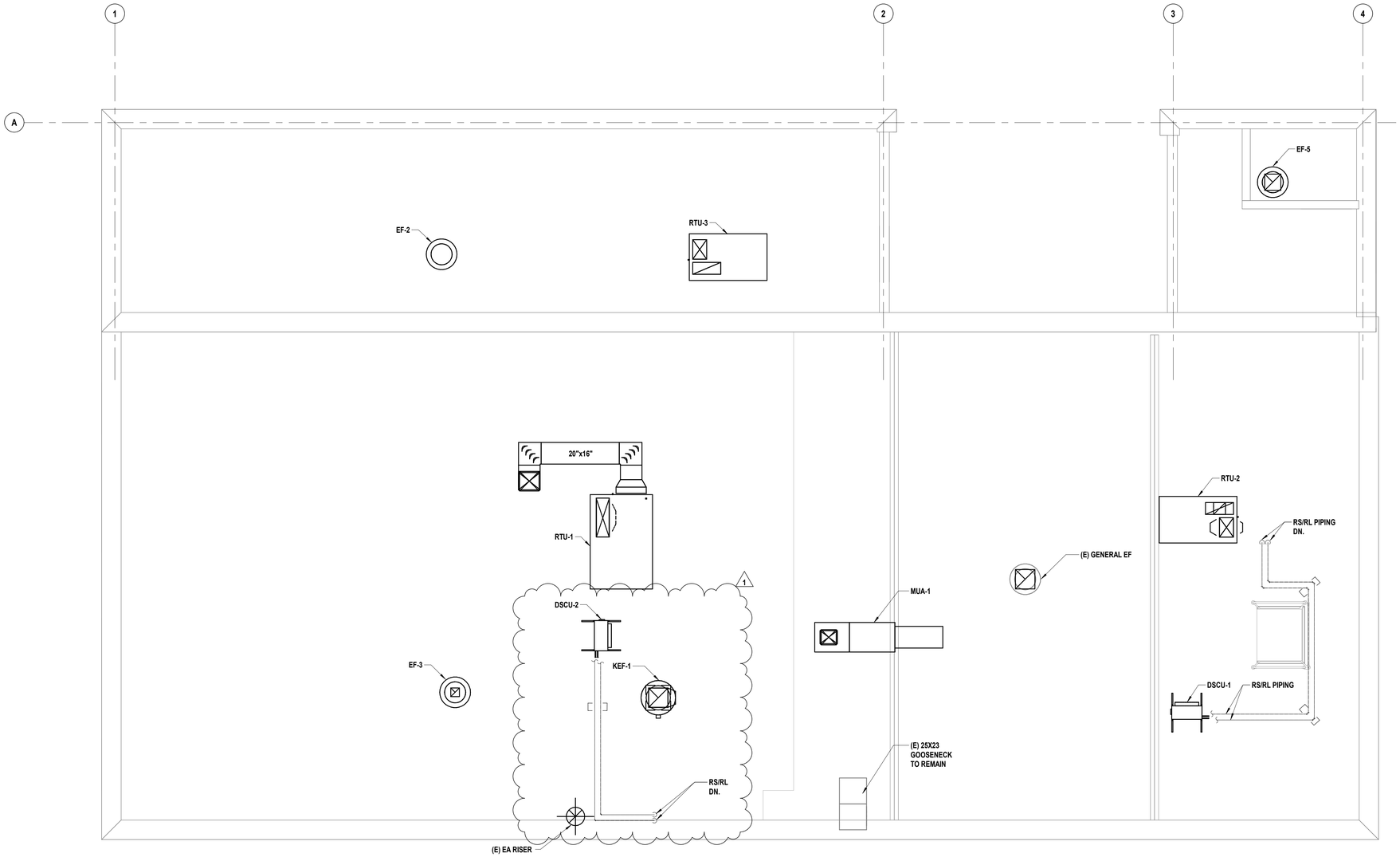
GENERAL WORK NOTES:

1. COORDINATE FINAL LOCATION OF RTU'S WITH STRUCTURAL DRAWINGS.
2. ALL HVAC EQUIPMENT TO BE 10'-0" MINIMUM FROM ROOF EDGE WHERE PARAPET IS NOT PROVIDED.
3. ALL FASTENERS INTO TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
4. ALL CURBS FOR MECHANICAL EQUIPMENT TO BE PROVIDED AND INSTALLED BY THE 'H' CONTRACTOR.
5. ROOFING WORK SHALL BE PERFORMED BY A CERTIFIED CONTRACTOR APPROVED BY THE ROOF SYSTEM MANUFACTURER TO ENSURE CONTINUAL WARRANTY COVERAGE OF THE ROOF SYSTEM. ALL WORK SHALL BE PERFORMED SO THAT THE WARRANTY WILL BE MAINTAINED AND AVOID OR ALTER THE WARRANTY. THESE DRAWINGS SERVE AS A GENERAL GUIDLINE FOR TYPICAL ROOFING CONVENTIONS. REFER TO AND ADHERE TO MANUFACTURER'S DETAILS AND WARRANTY REQUIREMENTS FOR ADDITIONAL INFORMATION.
6. NO ASBESTOS CONTAINING MATERIAL IS ALLOWED TO BE UTILIZED IN THE INSTALLATION OF ANY ROOFING CAULKING OR MATERIAL.
7. OUTDOOR AIR INTAKES SHALL BE LOCATED 10'-0" MINIMUM FROM ANY SOURCE OF BUILDING EXHAUST.



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

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CONSULTANTS:

MARK	DATE	DESCRIPTION
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PDF	TDV	LC	LC

PROJECT No:	DATE:	SCALE:
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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

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STATUS

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SHEET TITLE

ROOF HVAC PLAN

DRAWING No.

M 133.03

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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) MAX	OUTSIDE AIR TEMP. (DEG. F) MIN		INTERIOR UNIT	EXTERIOR UNIT	INTERIOR UNIT (IN.)	EXTERIOR UNIT (IN.)	INTERIOR UNIT	EXTERIOR UNIT	INTERIOR UNIT VOLTS/ PHASE	INTERIOR UNIT MCA (A)	EXTERIOR UNIT VOLTS/ PHASE	EXTERIOR UNIT MCA (A)	EXTERIOR UNIT MOCP (A)	
DSEU-1, DSCU-1	WALL MOUNTED	EX. CHIEF OFFICE R111	17.0	R410A	775	9/3.6	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	208/1	9	-	1-5,10,11,14
DSEU-2, DSCU-2	WALL MOUNTED	KITCHEN 221	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	1,5-12

NOTES:
1. MINI CONDENSATE PUMP (SAUERMANN SI30-115/230)
2. MHK-1 CONTROLLER
3. BACNET HD150 CARD FOR BACNET INTERFACE
4. ALL CONTROL WIRING TO BE 18 GAUGE TWO CONDUCTOR STRANDED WIRE NON-SHEILDED
5. WIND BAFFLE
6. DRAIN PAN LEVEL SENSOR (DPLS2)
7. DRAIN PAN HEATER (MAC-640BH-U)
8. DRAIN PAN SOCKET (MAC-860DS)
9. MAC-333IF-E CONTROL SYSTEM INTERFACE
10. UL 1995 LISTED
11. 12" EQUIPMENT RAILS FOR OUTDOOR UNIT
12. SIMPLE MA REMOTE CONTROLLER (PAC-YT53CRAU-J)
13. DRAIN PAN LEVEL SENSOR/CONTROL (SS610E)
14. FACTORY DISCONNECT SWITCH (TAZ-MS303W)
15. DRAIN SOCKET (MAC-871DS)
16. DEFROST HEATER (MAC-640BH-U)

ELECTRIC CEILING HEATER

EQUIPMENT NO.	LOCATION	AREA SERVED	PERFORMANCE/ CONSTRUCTION REQUIREMENTS				BASIS OF DESIGN INFORMATION				NOTES
			FAN DATA	TOTAL CAPACITY (MBH)	HEATING COIL DATA		MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN)	NOMINAL OPERATING WEIGHT (LBS.)	
			FLOW (CFM)		ELECTRIC DATA						
					VOLTS/PHASE	TOTAL KW					
ECH-1	ENTRANCE 114	ENTRANCE 114	300	10.2	208/3	3	QMARK	CDF-548	23.75 x 23.75 x 7	27	1-5
ECH-2	WOMEN'S TOILET 220	WOMEN'S TOILET 220	300	10.2	208/3	3	QMARK	CDF-548	23.75 x 23.75 x 7	27	1-5

NOTES:
1. FRONT DISCHARGE, FRONT RETURN CONFIGURATION
2. CDF-T THERMOSTAT SPST RANGE 45°F TO 98°F
3. CDF-RE RECESS MOUNTING ENCLOSURE
4. CDF-DS 3-POLE DISCONNECT SWITCH

AIR SCRUBBER

EQUIPMENT NO.	AREA SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS			BASIS OF DESIGN INFORMATION					
		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
AS-1	GEAR RM.	1000	-	-	HONEYWELL	F11C1012	48 x 24 x 21.8	147	120/1	1/2

CIRCULATOR PUMPS

EQUIPMENT NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS					BASIS OF DESIGN INFORMATION					
			FLUID	FLOW RATE (GPM)	DYNAMIC HEAD (FT.)	BHP	PUMP SPEED (RPM)	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA	
												VOLTS/PHASE	FLA
CP-1	MECH. RM.	HWUH-1	H20	9.4	10	0.68	VARIABLE	TACO	VR15-3	16 x 8 x 10	57	110/1	-

HOT WATER UNIT HEATERS

EQUIPMENT NO.	LOCATION	FAN DATA		TOTAL CAPACITY (MBH)	AIR DATA			ELECTRICAL DATA	HEATING COIL DATA				BASIS OF DESIGN INFORMATION				NOTES
		FLOW (CFM)	HP		ENT. DB TEMP. (DEG. F)	LVG. DB TEMP. (DEG. F)	THROW (FT.)	VOLTS/PHASE	WATER				MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H	NOMINAL OPERATING WEIGHT (LBS.)	
									ENT. TEMP. (DEG. F)	LVG. TEMP. (DEG. F)	FLOW (GPM)	MAX. P.D. (FT. H2O)					
HWUH-1	APPARATUS BAYS	1120	1/12	45.6	60	97	31	115/1	160	140	4.7	0.6	MODINE	HC-63	22 x 9 x 19	48	1

NOTES:
1. HONEYWELL T403A LINE VOLTAGE THERMOSTAT

1

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	SIDEWALL	GARAGE EXHAUST	890	.25	1725	GREENHECK	SE1-12-432-VG	18 x 18 x 10.8	49	115/1	1/4	1-3,6-9,14
EF-2	CEILING	MENS TOILET 213, JANITORS CLOSET 211	215	.25	1399	GREENHECK	G-070-VG	19 x 19 x 13.9	31	115/1	1/15	2,3,5-10
EF-3	ROOF	WOMENS TOILET 220	140	.25	1650	GREENHECK	G-060-VG	17 x 17 x 12.1	30	115/1	1/15	2,3,5-10
EF-4	INLINE	EXISTING APPARATUS BAY	1880	.5	1579	GREENHECK	SQ-130-VG	18.6 x 24.75 x 21	107	115/1	3/4	1,2,5-8,11
EF-5	ROOF	ELEVATOR SHAFT EXHAUST	290	.3	1668	GREENHECK	G-070-VG	19.4 x 19.4 x 24.1	44	115/1	1/10	2,4-10,12,13
VEF-1	NEW APP. BAY	DIRECT CAPTURE VEHICLE EXHAUST	2100		3450	CINCINNATI FAN	HDBI-120	21.0 x 25.0 x 37.5	177	208/3	3.0	15

NOTES:
1. 115V MOTORIZED DAMPER W/END SWITCH
2. DIRECT DRIVE
3. VG EC MOTOR WITH DIAL
4. VG 65-277VAC TO 24VDC TRANSFORMER
5. MOTOR WITH THERMAL OVERLOAD
6. WIRING PIGTAIL
7. NEMA-1 DISCONNECT SWITCH
8. JUNCTION BOX MTD. & WIRED
9. UL/cUL 705 LISTED
10. BACKDRAFT DAMPER
11. VG EC MOTOR 0-10VDC INPUT
12. VG EC MOTOR WITH DIAL OR 0-10VDC INPUT
13. VARI-GREEN IAQ TEMPERATURE AND HUMIDITY CONTROLLER
14. OSHA APPROVED GUARD
15. TO BE CONTROLLED BY VCP-1.

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

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PACKAGED ROOFTOP UNITS

EQUIPMENT NO.	LOCATION	AREA SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS																					REMARKS
			EER	IEER	SUPPLY FAN				MIXED 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)	NO. OF COMPRESSORS	NO. OF COOLING STAGES	REFRIGERANT TYPE	TOTAL/SENSIBLE CAPACITY (MBH)	AIR DATA		TYPE	HEATING OUTPUT CAPACITY (MBH)	HEATING MEDIUM			MNF	MODEL NO.	NOMINAL DIMENSIONS LxWxH	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	2ND FL. MEETING HALL	12	13.8	2665	7.5	1.24	1.54	403	92/74	2	2	R410A	89.5/64.7	78.4/65.7	55.9/54.6	MERV 8	103	125	59.2	95.1	CARRIER	48HCDE08E2M5-6W2M0	88.1x59.5x49.4	925	208/3	1-11
RTU-2	ROOF	2ND FL. MEMBERS ROOM	16.4	-	1600	4	1.23	1.19	229	92/74	1	2	R410A	48.8/36.5	78.3/65.6	57.2/55.7	MERV 8	59	72	59.7	93.9	CARRIER	48LCDA05E3M5-0R2F0	74.4x46.8x41.4	915	208/3	2-12
RTU-3	ROOF	2ND FL. OFFICES, TRAINING ROOM	12.0	-	1600	4	1	1.34	166	92/74	1	2	R410A	50/37.1	75/64	58.5/57.2	MERV 13	88/65	110/82	60.0	110.9	CARRIER	48GCEN05A3M5-2W2F0	74.5x46.5x33.4	799	208/3	2-12

NOTES:
1. VERTICAL DISCHARGE RETURN, HORIZONTAL DISCHARGE SUPPLY CONFIGURATION.
2. NON-FUSED DISCONNECT.
3. UN-POWERED CONVENIENCE OUTLET.
4. WALL MOUNTED LCD DISPLAY THERMOSTAT.
5. DEHUMIDIFICATION.
6. 14" ROOF CURB.
7. CONDENSER COIL GUARD.
8. THRU BASE ELECTRICAL CONNECTIONS.
9. ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL.
10. TWO STAGE HEATING.
11. TWO STAGE COOLING.
12. VERTICAL RETURN/SUPPLY CONFIGURATION.

AIR OUTLETS

DESIGNATION	SYMBOL	BASIS OF DESIGN: MNF/ MODEL NO.	DESCRIPTION	FACE SIZE (IN)	AIR FLOW RANGE (CFM)		NECK SIZE DIAMETER (IN.)	NOTES
					MIN	MAX		
A		NAILOR/UNI	SQUARE FACE CEILING DIFFUSER	24 X 24	0	200	6	1-5
					201	315	8	
					316	450	10	
					451	650	12	
					651	850	14	
B		NAILOR/UNI	SQUARE FACE CEILING DIFFUSER	12 X 12	0	80	4	
					81	125	5	
					126	200	6	
					201	320	8	
C		NAILOR/6145H-O	RETURN/EXHAUST GRILLE	24 X 24	SEE DRAWINGS	SEE DRAWINGS	NA	
D		NAILOR/6145H-0	RETURN/EXHAUST GRILLE	12 X 12	SEE DRAWINGS	SEE DRAWINGS	NA	

NOTES:
1. PROVIDE ALUMINUM CONSTRUCTION FOR ALL AIR TERMINALS IN SHOWER ROOMS, TOILETS, JANITORS' CLOSETS AND OTHER HUMID AREAS
2. FOR CONSTRUCTION DETAILS AND ACCESSORIES SEE THE SPECIFICATIONS.
3. PROVIDE OPPOSED BLADE DAMPERS FOR ALL REGISTERS.
4. PROVIDE OPPOSED BLADE DAMPER AND EQUALIZING GRID FOR ALL DIFFUSERS.
5. PROVIDE MOUNTING FRAMES TO MATCH CEILING IN WHICH UNIT IS INSTALLED, COUNTERSINK ALL MOUNTING SCREWS.

LOUVERS

1

EQUIP. NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS					BASIS OF DESIGN INFORMATION		NOTES
			AIR FLOW RATE (CFM)	MAX. PD (IN. W.C.)	FREE AREA (SQ. FT.)	OVERALL NOMINAL SIZE W X H	SERVICE	MNF	MODEL NO.	
L-1	NORTH SIDE OF APPARATUS BAY	EF-1, 4	2770	.06	4.96	40" x 40"	VENTILATION	GREENHECK	EHH-601	1-5
L-2	NORTH SIDE OF APPARATUS BAY	EF-4	1880	.08	3.16	32" x 32"	EXHAUST	GREENHECK	EHH-601	1-4
LV-VXH	NORTH WALL OF NEW APPARATUS BAY	VEF-1	2100	.09	3.4	48" x 24"	EXHAUST	GREENHECK	EHH-601	1-4, 6

NOTES:
1. PROVIDE AND INSTALL BIRD SCREEN
2. ALUMINUM CONSTRUCTION
3. PROVIDE AAMA 2605 FINISH IN COLOR AS SELECTED BY ARCHITECT.
4. PROVIDE ANCHOR CLIPS FOR INSTALLATION.
5. PROVIDE VCD-23 MOTORIZED DAMPER AND 115V/1PH ACTUATOR
6. PROVIDE VCD-23 MOTORIZED DAMPER AND 208V/3PH ACTUATOR

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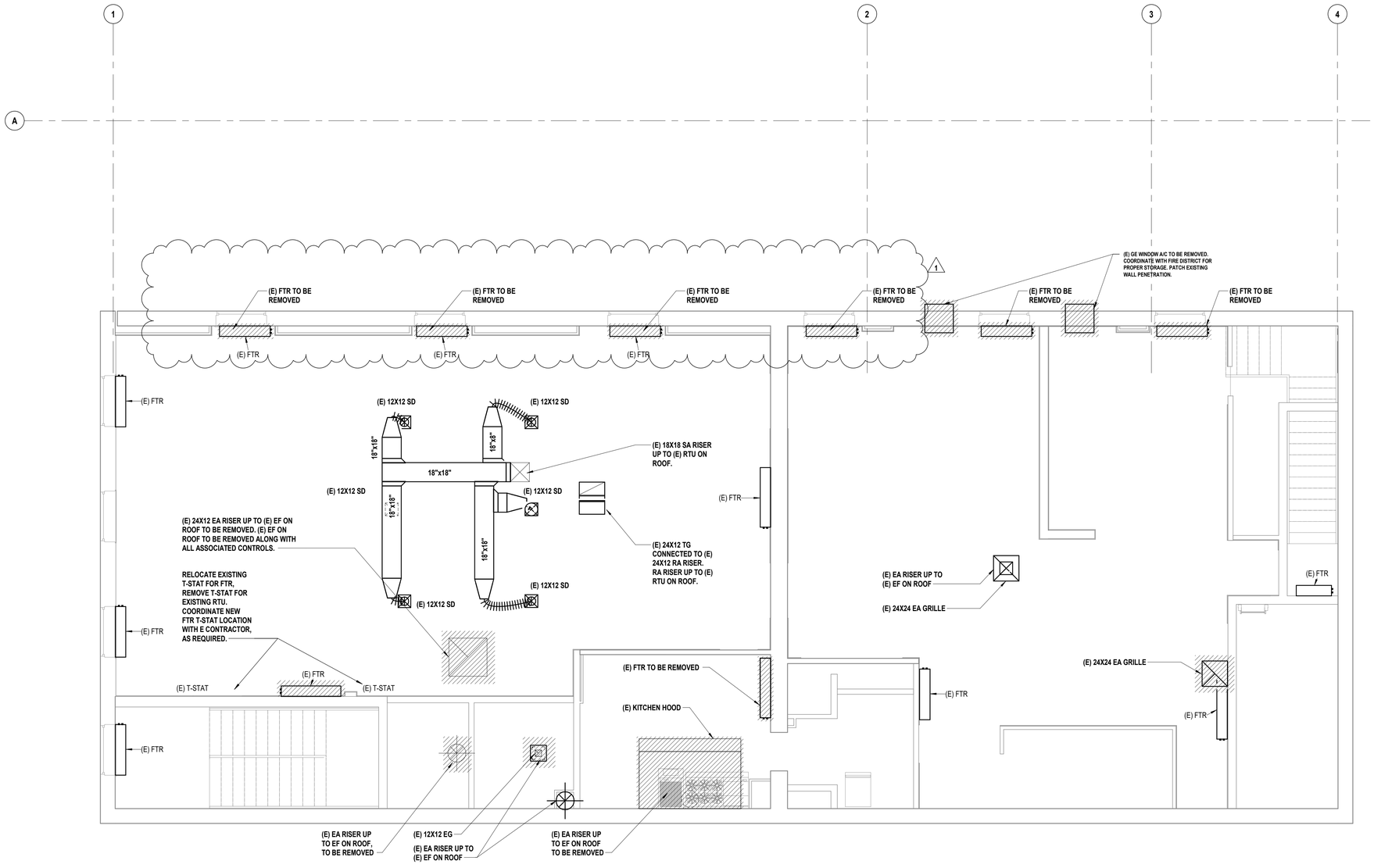
GENERAL DEMOLITION WORK NOTES:

1. OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT, FIXTURES AND FINISHES THROUGHOUT CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED.
3. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER, AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
4. EXISTING FINNED TUBE RADIATORS (FTR) SHOWN TO BE REMOVED, SHALL BE REMOVED IN ITS ENTIRETY, REPIPE HHWS AND HHWR PIPING AS NECESSARY TO MAINTAIN HOT WATER LOOP.



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

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SECOND FLOOR HVAC DEMO PLAN

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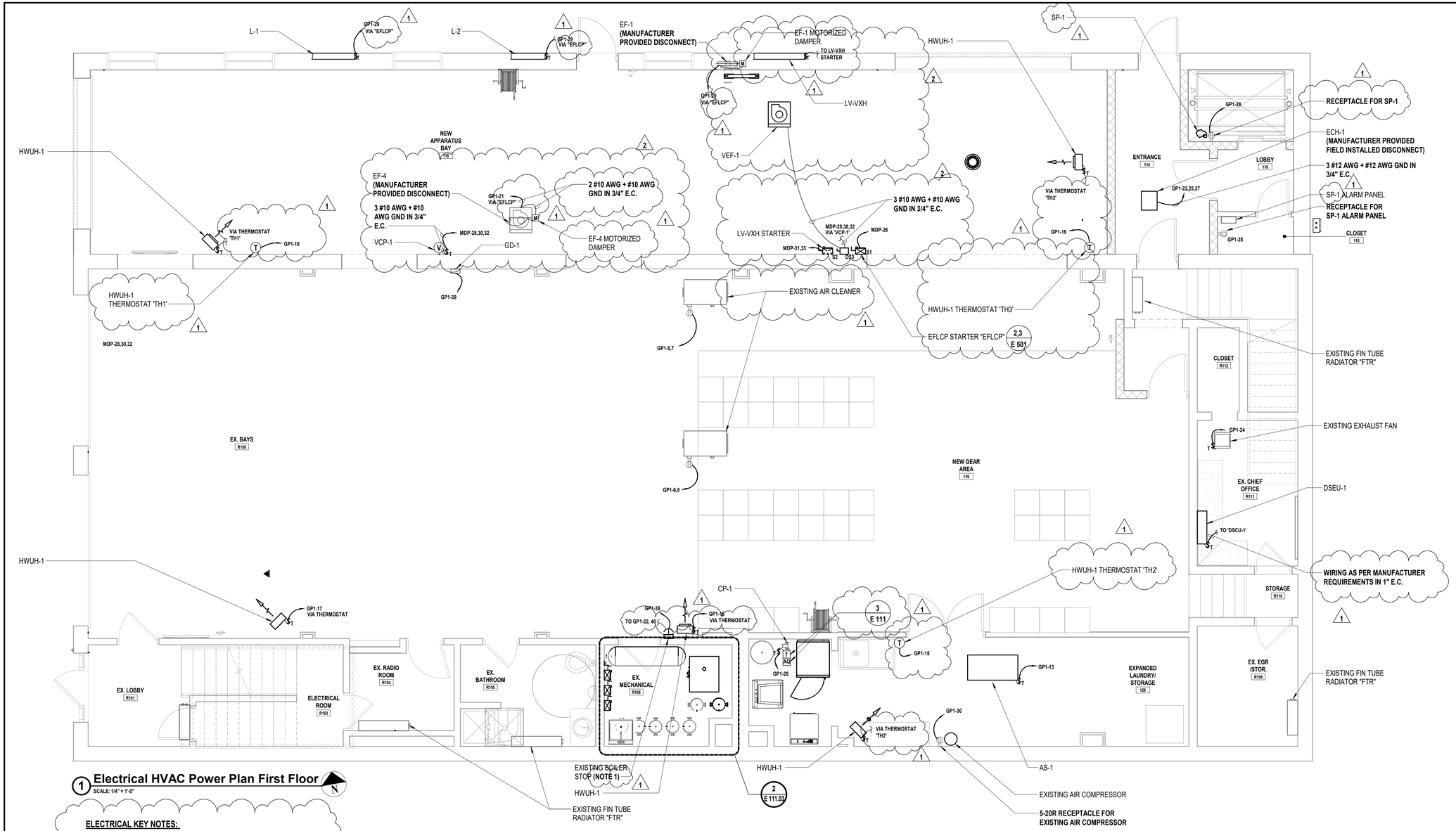
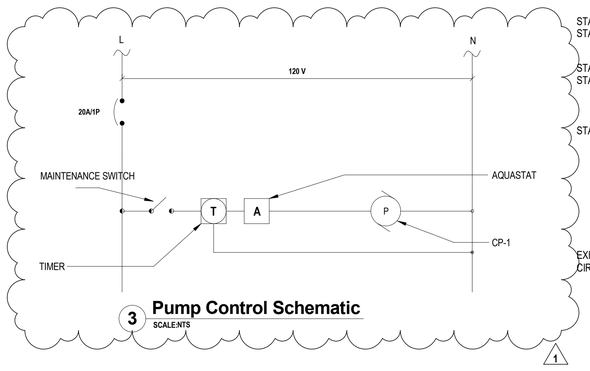


1 Electrical HVAC Power Plan First Floor

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

ELECTRICAL KEY NOTES:

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

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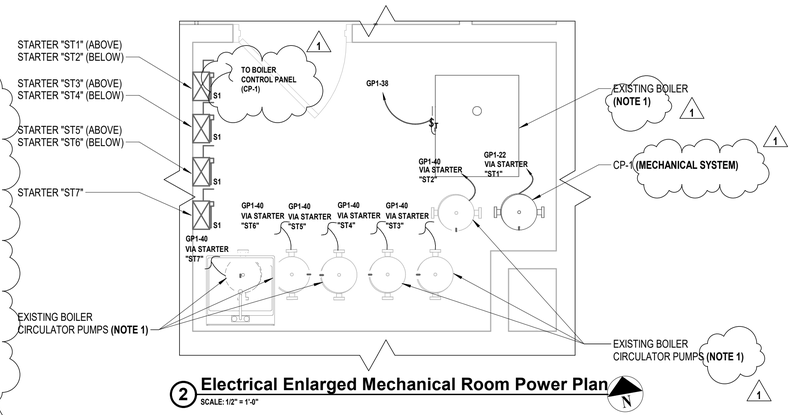

2 Electrical Enlarged Mechanical Room Power Plan

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

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ELECTRICAL HVAC POWER PLAN FIRST FLOOR

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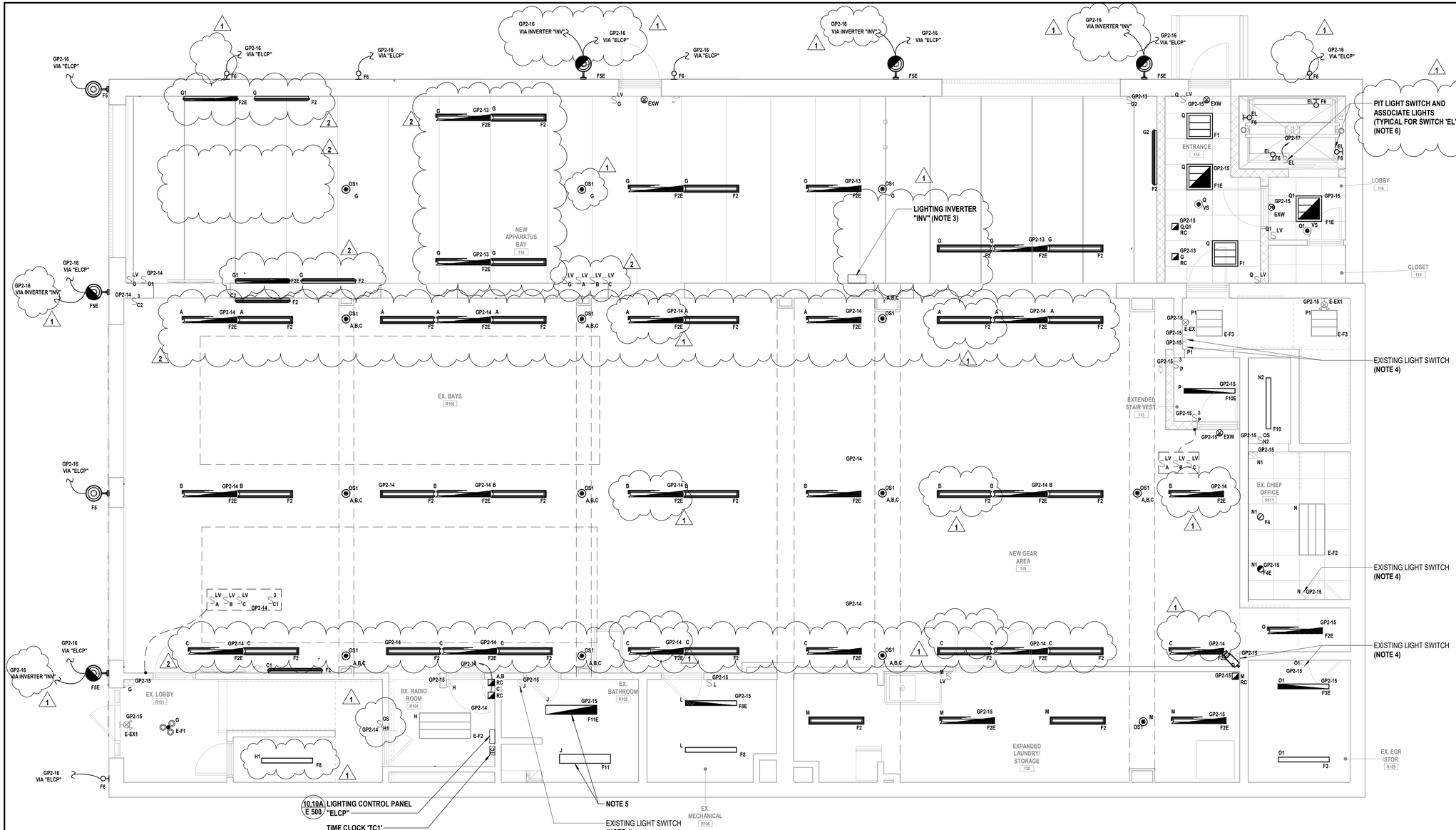

1 Electrical Lighting Plan First Floor

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 OR 4 WAY 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. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT/ENGINEER IN FIELD.

G8. 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.

G9. 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.

G10. CONTRACTOR SHALL USE SILICONE WATER PROOF SEALANT TO SEAL TOP, LEFT, AND RIGHT EDGES OF LIGHT FIXTURES TO WALL TO PREVENT MOISTURE FROM ACCUMULATING BEHING FIXTURE. BOTTOM EDGE SHALL BE LEFT UNSEALED FOR DRAINAGE. COLOR OF SILICONE SHALL MATCH EITHER WALL COLOR OR FIXTURE COLOR. (TYPICAL OF ALL EXTERIOR WALL MOUNTED FIXTURES).

ELECTRICAL KEY LIGHTING NOTES:

1. CONTRACTOR SHALL PROVIDE AND EXTEND WIRE AND CONDUIT AS REQUIRED TO TERMINATE AT NEW LIGHT FIXTURE, POWER PACK, 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 POWER PACK OR INSTALL POWER PACK ABOVE THE CEILING IN AN ADJACENT ROOM WITH A DROP CEILING.
2. FOR ALL EMERGENCY DRIVERS, 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 APPEARANCE 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 PROVIDE AND EXTEND EXISTING LIGHTING CONTROL WIRING TO TERMINATE TO NEW LIGHT FIXTURE NOTED WITH SAME LETTER DESIGNATION.
5. CONTRACTOR SHALL PROVIDE AND INSTALL NEW LIGHT FIXTURES WITH MINIMAL DISTURBANCE TO EXISTING CEILING. PATCH, PRIME AND PATCH TO MATCH EXISTING.
6. CONTRACTOR SHALL COODRINATE MOUNTING LIGHT FIXTURES AND ASSOCIATED 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.

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LIGHTING FIXTURE SCHEDULE

DESIGNATION	SYMBOL	MANUFACTURER	MODEL NUMBER	TYPE	WATTS	COLOR TEMP	VOLT	LUMENS	MOUNTING	REMARKS	MOUNTING HEIGHT	DETAIL
F1		COLUMBIA LIGHTING	LCAT22-40MWG-G-EDU	LED	22	4000K	UNV	3380	RECESSED	-	CEILING	-
F1E		COLUMBIA LIGHTING	LCAT22-40MW-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	SURFACE	-	CEILING	-
F2E		COLUMBIA LIGHTING	LXEM4-40ML-RA-EDU-ELL14	LED	42	4000K	UNV	5168	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	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	HH6IC-LED-900L-DIM10-120-WD-40K-90-CL-WH (1)	LED	12	4000K	UNV	900	RECESSED	-	CEILING	-
F5		HUBBELL	UCS-BEL/VSL-BEL-12LED-NW-DB-WCV	LED	70	4000K	UNV	7920	SURFACE	-	8'-0" AFG, UON	-
F5E		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
F6		HUBBELL	VWGL-1	LED	11	4000K	UNV		SURFACE	-		-
F7E		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	8'-0" AFF, UON	5 / E 500
F8		MERCURY LIGHTING	LW4-4-3800-40K-HTA-A40-UNI+SR	LED	39	4000K	UNV	3671	PENDANT	-	8'-0" AFF	-
F8E		MERCURY LIGHTING	LW4-4-3800-40K-HTA-A40-UNI+SR+EM12	LED	39	4000K	UNV	3671	PENDANT	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	8'-0" AFF	5 / E 500
F9		COLUMBIA LIGHTING	LCAT22-40LWG-G-EDU	LED	22	4000K	UNV	3380	RECESSED	-	CEILING	-
F9E		COLUMBIA LIGHTING	LCAT22-40LW-G-EDU-ELL14	LED	22	4000K	UNV	2811	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F10		MERCURY LIGHTING	LW4-4-2100-40K-HTA-A40-UNI+SR	LED	18	4000K	UNV	2036	SURFACE	-	CEILING	-
F10E		MERCURY LIGHTING	LW4-4-2100-40K-HTA-A40-UNI+SR+EM12	LED	18	4000K	UNV	2036	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F11		LITECONTROL	6L-S-D-4-04-BAT-C1-40K-D055-D01-1C-UNV	LED	19	4000K	UNV	2200	SURFACE	-	CEILING	-
F11E		LITECONTROL	6L-S-D-4-04-BAT-C1-40K-D055-D01-1C-UNV-EF	LED	19	4000K	UNV	2200	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F12		COLUMBIA LIGHTING	LCAT22-40VWG-G-EDU	LED	24	4000K	UNV	3339	RECESSED	-	CEILING	-
F12E		COLUMBIA LIGHTING	LCAT22-40VWG-G-EDU-ELL14	LED	24	4000K	UNV	3339	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
E-F1		GREEN CREATIVE	15A21DIM/840	LED	15	4000K	120V-277V	1700	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F2	(1)	GREEN CREATIVE	10.5T8/4F/840/DIR/RD (1)	LED	10	4000K	120V-277V	1700	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F3		GREEN CREATIVE	8T8/2F/840/DIR/RC	LED	8	4000K	120V-277V	1300	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F4	(1) ⊘	GREEN CREATIVE	(1) 15A21DIM/840	LED	15	4000K	120V-277V	1700	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F5		GREEN CREATIVE	43T8/8F/840/DEB/-	LED	43	4000K	120V-277V	5500	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION. REPLACE '-' WITH PIN CONNECTION. COORDINATE PIN CONNECTION WITH EXISTING FIXTURE.	EXISTING	-
E-F6		GREEN CREATIVE	15A21DIM/840	LED	15	4000K	120V-277V	1700	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

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
DS3	UNFUSED	NEMA 1	240	3	30 A	-

(2)

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
S2	0	208 / 1Ø	NEMA 1	20 / 2	H-O-A SWITCH, RUN AND OVERLOAD LIGHT (2)

* MOTOR STARTER SHALL BE FRANKLIN ELECTRIC MODEL NUMBER "BAS" OR APPROVED EQUAL (1)

LIGHTING CONTROL SCHEDULE

DESIGNATION	SYMBOL	MANUFACTURER	MODEL NUMBER	VOLT	MOUNTING	REMARKS	MOUNTING HEIGHT	DETAIL
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	(1)	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.

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

CONSULTANTS:

MARK	DATE	DESCRIPTION
1	01/19/22	ADDENDUM #1
2	02/08/22	ADDENDUM #3

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
DJH	DJH		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISCO, NY 10549

CONTRACT

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GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL SCHEDULES

DRAWING No.

E 600.03

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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	13196 VA			5520 VA			2				
GP1		225 A	3	3		13254 VA			5520 VA		4	3	50 A	HACR	RTU-1
				5			9150 VA			5520 VA	6				
GP2		150 A	3	7	5258 VA			4200 VA			8				
				9		4394 VA			4200 VA		10	3	45 A	HACR	RTU-2
				11			3382 VA			4200 VA	12				
				13	5910 VA			3480 VA			14				
GP3		150 A	3	15		4520 VA			3480 VA		16	3	40 A	HACR	RTU-3
				17			4680 VA			3480 VA	18				
				19	8600 VA			1000 VA			20	1	20 A		FIRE ALARM CONTROL PANEL
GP4		225 A	3	21		10632 VA			1176 VA		22	1	20 A		NEW BACK DOOR MOTOR
				23			11139 VA			1176 VA	24	1	20 A		NEW FRONT DOOR MOTOR
				25	0 VA			180 VA			26	1	20 A		EFI CR
SURGE SUPRESSION	--	30 A	3	27		0 VA			960 VA		28			HACR (INVERSE TIME...	
				29			0 VA			960 VA	30	3	30 A		VEF-1
LV-YXH		20 A	2	31	90 VA			960 VA			32				
SPACE	--	--	--	33		90 VA			0 VA		34	--	--	--	SPACE
SPACE	--	--	--	35			0 VA			0 VA	36	--	--	--	SPACE
SPACE	--	--	--	37	0 VA			0 VA			38	--	--	--	SPACE
SPACE	--	--	--	39		0 VA			0 VA		40	--	--	--	SPACE
SPACE	--	--	--	41			0 VA			0 VA	42	--	--	--	SPACE
SPACE	--	--	--	43	0 VA			0 VA			44	--	--	--	SPACE
SPACE	--	--	--	45		0 VA			0 VA		46	1	20 A	--	SPARE
				47			11408 VA			0 VA	48	1	20 A	--	SPARE
ELEVATOR MOTOR DISCONNECT		150 A	3	49	11408 VA			0 VA			50	1	20 A	--	SPARE
				51		11408 VA			0 VA		52	1	20 A	--	SPARE
ELEVATOR CAB DISCONNECT		20 A	1	53			180 VA			0 VA	54	1	20 A	--	SPARE

Connected Totals: A 59.8 kVA; B 59.6 kVA; C 55.3 kVA
Total: 174.7 kVA
Amps: 485 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: 225 A 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
SERVER RACK RECEPT.		20 A	1	1	720 VA			1000 VA			2	1	20 A		SHORE POWER
SHORE POWER		20 A	1	3		1000 VA			180 VA		4	1	20 A		EXTRACTOR RECEPT.
EXISTING AIR CLEANER		20 A	2	5			780 VA			780 VA	6	2	20 A		EXISTING AIR CLEANER
				7	780 VA			780 VA			8				
EXISTING DRYER RECEPT.		30 A	2	9		90 VA			180 VA		10	1	20 A		EXISTING WASHING MACHINE...
				11			90 VA			1080 VA	12	2	20 A		EXISTING GEAR DRYER RECEPT.
AS-1		20 A	1	13	780 VA			1080 VA			14				
HWUH-1		20 A	1	15		1920 VA			1920 VA		16	1	20 A		HWUH-1
HWUH-1		20 A	1	17			1920 VA			1920 VA	18	1	20 A		HWUH-1
HWUH-1		20 A	1	19	1920 VA			696 VA			20	1	20 A		EF-1
EF-4		30 A	1	21		1656 VA			500 VA		22	1	20 A		CP-1
				23			1000 VA			500 VA	24	1	20 A		EXISTING EXHAUST FAN
ECH-1		20 A	3	25	1000 VA			100 VA			26	1	20 A		CP-1
				27		1000 VA			1260 VA		28	1	20 A		SP-1 RECEPT.
L-1 & L-2		20 A	1	29			360 VA			180 VA	30	1	20 A		EXISTING AIR COMPRESSOR
SHORE POWER		20 A	1	31	1000 VA			1000 VA			32	1	20 A		SHORE POWER
EXISTING DOOR MOTOR		20 A	1	33		1000 VA			1000 VA		34	1	20 A		EXISTING DOOR MOTOR
EX EGR/STOR #109		20 A	1	35			360 VA			180 VA	36	1	20 A		SHAFT RECEPTACLE
EXISTING BOILER STOP		20 A	1	37	180 VA			2160 VA			38	1	20 A		EXISTING BOILER
GD-1		20 A	1	39		180 VA			1368 VA		40	1	20 A		EXISTING BOILER PUMPS
SPARE	--	20 A	1	41			0 VA			0 VA	42	1	20 A	--	SPARE

Connected Totals: A 13.2 kVA; B 13.3 kVA; C 9.2 kVA
Total: 35.6 kVA
Amps 99 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: GP2 | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 150 A MCB | Mains Rating: 150 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
APPARTUS BAY 118 RECEPT.		20 A	1	1	1620 VA			360 VA			2	1	20 A		TV RECEPT.
LOBBY RECEPT.		20 A	1	3		540 VA			1080 VA		4	1	20 A		RADIO RM RECEPT.
APPARTUS BAY R108 RECEPT.		20 A	1	5			1800 VA			360 VA	6	1	20 A		1ST FLR BTHRM RECEPT.
MECH RM RECEPT.		20 A	1	7	360 VA			900 VA			8	1	20 A		LAUNDRY RM RECEPT.
CORRIDOR RECEPT.		20 A	1	9		1080 VA			540 VA		10	1	20 A		EXISTING CHIEFS RECEPT.
1ST FLR BTHRM HAND DRYER		20 A	1	11			1000 VA			180 VA	12	1	20 A		ELEVATOR PIT RECEPT.
NEW APPARTUS BAY LTG		20 A	1	13	464 VA			1554 VA			14	1	20 A		EXISTING APPARTUS BAY LTG
FIRST FLOOR BACK AREA LTG		20 A	1	15		878 VA			277 VA		16	1	20 A		EXTERIOR LTG.
ELEVATOR PIT LTG.		20 A	1	17			44 VA			0 VA	18	1	20 A	--	SPARE
SPARE	--	20 A	1	19	0 VA			0 VA			20	1	20 A	--	SPARE
SPARE	--	20 A	1	21		0 VA			0 VA		22	1	20 A	--	SPARE
SPARE	--	20 A	1	23			0 VA			0 VA	24	1	20 A	--	SPARE
SPARE	--	20 A	1	25	0 VA			0 VA			26	--	--	--	SPACE
SPACE	--	--	--	27		0 VA			0 VA		28	--	--	--	SPACE
SPACE	--	--	--	29			0 VA			0 VA	30	--	--	--	SPACE
SPACE	--	--	--	31	0 VA			0 VA			32	--	--	--	SPACE
SPACE	--	--	--	33		0 VA			0 VA		34	--	--	--	SPACE
SPACE	--	--	--	35			0 VA			0 VA	36	--	--	--	SPACE
GENERATOR BLOCK HEATER	--	30 A	2	37	0 VA			0 VA			38	--	--	--	SPACE
				39		0 VA			0 VA		40	--	--	--	SPACE
GENERATOR ACCESSORIES	--	20 A	1	41			0 VA			0 VA	42	--	--	--	SPACE

Connected Totals: A 5.3 kVA; B 4.4 kVA; C 3.4 kVA
Total: 13.0 kVA
Amps 36 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: GP3 | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 150A MCB | Mains Rating: 150 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
2ND FLR STORAGE RECEPT.		20 A	1	1	180 VA			1080 VA			2	1	20 A		2ND FLR RECEPT.
OFFICE 210 RECEPT.		20 A	1	3		720 VA			360 VA		4	1	20 A		STORAGE R208 RECEPT.
TRAINING ROOF RECEPT.		20 A	1	5			540 VA			900 VA	6	1	20 A		TRAINING RM RECEPT.
WOMENS TOILET HAND DRYER	GFCI	20 A	1	7	1000 VA			360 VA			8	1	20 A		WOMENS TOILET RECEPT.
EXISTING MEETING RM RECEPT.		20 A	1	9		540 VA			180 VA		10	1	20 A		EXISTING PROJECTOR RECEPT.
EXISTING MEMBERS RM RECEPT.		20 A	1	11			1080 VA			1080 VA	12	1	20 A		EXISTING MEMBERS RM BAR...
MENS TOILET HAND DRYER	GFCI	20 A	1	13	1000 VA			360 VA			14	1	20 A		MENS TOILET RECEPT.
2ND FLR CORRIDOR RECEPT.		20 A	1	15		540 VA			180 VA		16	1	20 A		PROJECTOR RECEPT.
WATER FOUNTAIN RECEPT.		20 A	1	17			360 VA			720 VA	18	1	20 A		ELEVATOR LOBBY RECEPT.
SECOND FLOOR LTG		20 A	1	19	1656 VA			280 VA			20	1	20 A		TRAINING ROOF LTG.
EXISTING TROPHY CASE LTG.		20 A	1	21		1000 VA			1000 VA		22	1	20 A		EXISTING CUH
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 5.9 kVA; B 4.5 kVA; C 4.7 kVA
Total: 15.1 kVA
Amps: 42 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 4 | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 225A MCB | Mains Rating: 225 A
Panel Type: P2 | Mounting: RECESSED | Options: | Notes:
NEMA Type Enclosure NEMA1

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	720 VA			4233 VA			2				
EXISTING ICE MACHINE RECEPT.	GFCI	20 A	1	3		1128 VA			4233 VA		4	3	60 A	GFCI	DISHWASHER
REACH IN FREEZER RECEPT.	GFCI	20 A	1	5			973 VA			4233 VA	6				
REACH IN FRIDGE RECEPT.	GFCI	20 A	1	7	575 VA			100 VA			8	1	20 A		EXISTING EXHAUST FAN
CONVENIENCE RECEPT.		20 A	1	9		180 VA			240 VA		10	1	15 A		EF-2
DSCU-1	HACR	20 A	2	11			936 VA			240 VA	12	1	20 A		EF-3
				13	936 VA			180 VA			14	1	20 A		EF-5
DSCU-2	HACR	20 A	2	15		1976 VA			1019 VA		16	2	20 A		MUA-1
				17			1976 VA			1019 VA	18				
KEF-1		20 A	2	19	676 VA			180 VA			20	1	25 A	GFCI	STOVE RECEPT.
				21		676 VA			180 VA		22	1	20 A		KH-1 CONTROL PANEL
ELEVATOR SHAFT LTG.		20 A	1	23			44 VA			720 VA	24	1	20 A	GFCI	KITCHEN GEN. RECEPT.
ECH-2		20 A	3	25	1000 VA			0 VA			26	--	--	--	SPACE
				27		1000 VA			0 VA		28	--	--	--	SPACE
				29			1000 VA			0 VA	30	--	--	--	SPACE

Connected Totals: A 8.6 kVA; B 10.6 kVA; C 11.1 kVA
Total: 30.4 kVA
Amps: 84 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

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CONSULTANTS:

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2	02/08/22	ADDENDUM #3

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DJH	DJH		

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