COMcheck Software Version 4.1.5.3
Envelope Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Vails Gate Firehouse
Location: New Windsor, New York
Climate Zone: 5a
Project Type: New Construction
Vertical Glazing / Wall Area: 16%

Construction Site:
872 Blooming Grove Turnpike
New Windsor, NY 12553

Owner/Agent:

Designer/Contractor:
Robert Bee
H2M architects + engineers
538 Broadhollow Road
4th Floor East
Melville, NY 11747
6317568000

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Enhanced Interior Lighting Controls, 1.0 credit

Building Area	Floor Area
1-Fire Station : Nonresidential	21979

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof 1& 2: Attic Roof with Steel Joists, [Bldg. Use 1 - Fire Station]	3799	38.0	0.0	0.035	0.027
Roof 3: Attic Roof with Steel Joists, [Bldg. Use 1 - Fire Station]	461	38.0	0.0	0.035	0.027
Roof 4: Insulation Entirely Above Deck, [Bldg. Use 1 - Fire Station]	3058	---	30.0	0.032	0.032
Roof 5: Insulation Entirely Above Deck, [Bldg. Use 1 - Fire Station]	747	---	30.0	0.032	0.032
Roof 6: Insulation Entirely Above Deck, [Bldg. Use 1 - Fire Station]	2761	---	30.0	0.032	0.032
Roof 7& 8: Attic Roof with Steel Joists, [Bldg. Use 1 - Fire Station]	5026	38.0	0.0	0.035	0.027
Floor 1- Heated Slab at App Bay Side: Slab-On-Grade:Heated Fully Insulated (user specified perimeter R-value + R-10.0 under slab), [Bldg. Use 1 - Fire Station] (c)	365	---	10.0	0.550	0.620
Floor 2- Unheated Slab: Slab-On-Grade:Unheated, Horizontal with vertical 2 ft., [Bldg. Use 1 - Fire Station] (c)	387	---	10.0	0.700	0.540
NORTH					
Exterior Wall 8 Partition Type 01 App Bay Side: Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	347	---	15.0	0.058	0.090
Overhead Door OH6: Insulated Metal, Garage door 14% glazing, [Bldg. Use 1 - Fire Station]	196	---	---	0.160	0.310
Exterior Wall 11 Partition Type 03 App Bay Side: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	721	19.0	15.0	0.041	0.064
Exterior Wall 13 Partition Type 03: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	932	19.0	15.0	0.041	0.064
Window Type A DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	90	---	---	0.280	0.450

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Exterior Wall 14 Partition Type 03: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	308	19.0	15.0	0.041	0.064

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 4% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)					
Door 126A AA425 TB Double Door, 1/4" SolarBan60, 1/2" Arg90, 1/4" Clear, 0.946" OA: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. Specs.: Product ID P-KAW-39887, SHGC 0.23, PF 0.70, [Bldg. Use 1 - Fire Station] (b)	42	---	---	0.470	0.770
Exterior Wall 15 Partition Type 03: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	1187	19.0	15.0	0.041	0.064
Window Type A DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	207	---	---	0.280	0.450
EAST					
Exterior Wall 5 Partition Type 03 App Bay Side: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	336	19.0	15.0	0.041	0.064
Window Type B1, DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	45	---	---	0.280	0.450
Window Type B1, DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	45	---	---	0.280	0.450
Exterior Wall 6 Partition Type 02a App Bay Side: Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 1 - Fire Station]	183	8.0	15.0	0.049	0.090
Exterior Wall 10 Partition Type 03 App Bay Side: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	345	19.0	15.0	0.041	0.064
Window Type D, Fixed, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Fixed, Perf. Specs.: Product ID MAR-N-252-01136-00001, SHGC 0.31, PF 0.50, [Bldg. Use 1 - Fire Station] (b)	45	---	---	0.260	0.380
Exterior Wall 16 Partition Type 03: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	2625	19.0	15.0	0.041	0.064
Window Type A DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	224	---	---	0.280	0.450
Door 116B: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	25	---	---	0.370	0.370
Door 113B: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	25	---	---	0.370	0.370
SOUTH					
Exterior Wall 2 Partition Type 01 App Bay Side: Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	1175	---	15.0	0.058	0.090
Overhead Door OH 1: Glass (> 50% glazing):Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.38, [Bldg. Use 1 - Fire Station] (b)	196	---	---	0.770	0.450
Overhead Door OH 2: Glass (> 50% glazing):Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.38, [Bldg. Use 1 - Fire Station] (b)	196	---	---	0.770	0.450
Overhead Door OH 3: Glass (> 50% glazing):Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.38, [Bldg. Use 1 - Fire Station] (b)	196	---	---	0.770	0.450
Overhead Door OH 4: Glass (> 50% glazing):Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.38, [Bldg. Use 1 - Fire Station] (b)	196	---	---	0.770	0.450
Overhead Door OH 5: Glass (> 50% glazing):Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID NA, SHGC 0.38, [Bldg. Use 1 - Fire Station] (b)	196	---	---	0.770	0.450

COMcheck Software Version 4.1.5.3
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Vails Gate Firehouse
Project Type: New Construction

Construction Site:
872 Blooming Grove Turnpike
New Windsor, NY 12553

Owner/Agent:

Designer/Contractor:
Robert Bee
H2M architects + engineers
538 Broadhollow Road
4th Floor East
Melville, NY 11747
6317568000

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Enhanced Interior Lighting Controls, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Fire Station	21979	0.53	11649
		Total Allowed Watts =	11649

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Fire Station				
LED 1: F1: Recessed: Other:	1	62	32	1984
LED 2: F1E: Recessed: Other:	1	70	32	2240
LED 3: F2: Pendant: Other:	1	3	51	153
LED 4: F2E: Pendant: Other:	1	7	51	357
LED 5: F3: Recessed: Other:	1	4	27	108
LED 6: F3E: Recessed: Other:	1	4	27	108
LED 7: F4: Recessed: Other:	1	5	12	60
LED 8: F4E: Recessed: Other:	1	6	12	72
LED 9: F5: Recessed: Other:	1	8	28	224
LED 10: F5E: Recessed: Other:	1	12	28	336
LED 11: F6: Pendant: Other:	1	5	10	50
LED 12: F6E: Pendant: Other:	1	2	10	20
LED 13: F7: Recessed: Other:	1	2	8	16
LED 14: F7E: Recessed: Other:	1	4	8	32
LED 15: F8: Surface: Other:	1	1	10	10
LED 16: F8E: Surface: Other:	1	1	10	10
LED 17: F10: Surface: Other:	1	4	48	192
LED 18: F10E: Surface: Other:	1	2	48	96
LED 19: F11: Surface: Other:	1	3	27	81

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Fire Station] (b)					
Exterior Wall 2 Partition Type 03 App Bay Side: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	645	19.0	15.0	0.041	0.064
Exterior Wall 4 Partition Type 03 App Bay Side: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	311	19.0	15.0	0.041	0.064
Window Type B1, DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	45	---	---	0.280	0.450
Window Type B1, DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	45	---	---	0.280	0.450
Exterior Wall 7 Partition Type 01 App Bay Side: Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	1662	---	15.0	0.058	0.090
Window Type C- Fixed, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Fixed, Perf. Specs.: Product ID MAR-N-252-01136-00001, SHGC 0.31, [Bldg. Use 1 - Fire Station] (b)	50	---	---	0.260	0.380
Door 101B: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	25	---	---	0.370	0.370
Door 103B: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	37	---	---	0.370	0.370
Door 105B: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	25	---	---	0.370	0.370
Door 107C: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	25	---	---	0.370	0.370
Exterior Wall 17 Partition Type 03: Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 1 - Fire Station]	444	0.0	15.0	0.055	0.090
WEST					
Exterior Wall 1 Partition Type 01 App Bay Side: Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	1591	---	15.0	0.058	0.090
Window Type C- Fixed, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Fixed, Perf. Specs.: Product ID MAR-N-252-01136-00001, SHGC 0.31, [Bldg. Use 1 - Fire Station] (b)	63	---	---	0.260	0.380
Door 101A: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	25	---	---	0.370	0.370
Exterior Wall 3 Partition Type 03 App Bay Side: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	307	19.0	15.0	0.041	0.064
Window Type B1, DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	45	---	---	0.290	0.450
Window Type B1, DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	45	---	---	0.280	0.450
Exterior Wall 9 Partition Type 03 App Bay Side: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	354	19.0	15.0	0.041	0.064
Window Type D, Fixed, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Fixed, Perf. Specs.: Product ID MAR-N-252-01136-00001, SHGC 0.31, PF 0.50, [Bldg. Use 1 - Fire Station] (b)	45	---	---	0.260	0.380
Exterior Wall 12 Partition Type 03: Steel-Framed, 16" o.c., [Bldg. Use 1 - Fire Station]	2214	19.0	15.0	0.041	0.064
Window Type A DH, Fiberglass/Wood Combination/Fiberglass/Wood Combination, Fill 1: ARG/AIR(90/10) , LowE, CL, Grid: Vinyl/Fiberglass Frame:Operable, Perf. Specs.: Product ID MAR-N-272-00944-00001, SHGC 0.28, [Bldg. Use 1 - Fire Station] (b)	105	---	---	0.280	0.450
Door 112A: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	25	---	---	0.370	0.370

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
LED 20: F12: Surface: Other:	1	2	11	22
LED 21: F13: Recessed: Other:	1	3	205	615
LED 22: F14: Pendant: Other:	1	14	113	1582
LED 23: F14E: Pendant: Other:	1	14	113	1582
		Total Proposed Watts =		9950

Interior Lighting PASSES: Design 15% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT
VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
ENERGY COMPLIANCE
NEW FIRE STATION
PHASE 2

DRAWING No.
A2 010.00

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7/18/2022 8:17:12 AM

COMcheck Software Version 4.1.5.3

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Vails Gate Firehouse
Project Type:	New Construction
Exterior Lighting Zone	3 (Other (LZ3))

Construction Site:
872 Blooming Grove Turnpike
New Windsor, NY 12553

Owner/Agent:

Designer/Contractor:
Robert Bee
H2M architects + engineers
538 Broadhollow Road
4th Floor East
Melville, NY 11747
6317568000

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Fire House Site (Parking area)	51394 ft2	0.06	Yes	3084
			Total Tradable Watts (a) =	3084
			Total Allowed Watts =	3084
			Total Allowed Supplemental Watts (b) =	500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Fire House Site (Parking area 51394 ft2): Tradable Wattage				
LED 1: EF1: Pole Mount: Other:	1	2	27	54
LED 2: EF2: Wall Mount: Other:	1	1	18	18
LED 3: EF3: Wall Mount: Other:	1	3	30	90
LED 4: EF5: Wall Mount: Other:	1	4	11	44
LED 5: EF6: Wall Mount: Other:	1	4	27	108
LED 6: EF7: Wall Mount: Other:	1	7	40	280
LED 7: EF8: Surface Mount: Other:	1	8	20	160
			Total Tradable Proposed Watts =	754

Exterior Lighting PASSES: Design 79% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COM*check* Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COMcheck Software Version 4.1.5.3

Mechanical Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Vails Gate Firehouse
Location:	New Windsor, New York
Climate Zone:	5a
Project Type:	New Construction

Construction Site:
872 Blooming Grove Turnpike
New Windsor, NY 12553

Owner/Agent:

Designer/Contractor:
Robert Bee
H2M architects + engineers
538 Broadhollow Road
4th Floor East
Melville, NY 11747
6317568000

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Enhanced Interior Lighting Controls, 1.0 credit

Mechanical Systems List

Quantity System Type & Description

1 RTU-208 (Single Zone):
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 66 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 33 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 14.70 SEER, Required Efficiency: 14.00 SEER
Fan System: FAN SYSTEM 1 | Building -- Compliance (Motor nameplate HP method) : Passes

Fans:
GX1 Exhaust, Constant Volume, 4250 CFM, 3.0 motor nameplate hp, 0.0 fan effciency grade
GX2 Exhaust, Constant Volume, 250 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade
GX3 Exhaust, Constant Volume, 250 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade
GX4 Exhaust, Constant Volume, 325 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade
TX1 Exhaust, Constant Volume, 700 CFM, 0.3 motor nameplate hp, 0.0 fan efficiency grade
TX2 Exhaust, Constant Volume, 100 CFM, 0.0 motor nameplate hp, 0.0 fan efficiency grade
TX3 Exhaust, Constant Volume, 100 CFM, 0.0 motor nameplate hp, 0.0 fan efficiency grade
ERXF122 Exhaust, Constant Volume, 58 CFM, 0.0 motor nameplate hp, 0.0 fan efficiency grade
RTU 208 Supply, Constant Volume, 1200 CFM, 1.0 motor nameplate hp, 0.0 fan efficiency grade

1 DOAS-1 (Single Zone):
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 296 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 229 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 11.00 EER, Required Efficiency: 10.80 EER + 12.2 IEER
Fan System: FAN SYSTEM 1 | Building -- Compliance (Motor nameplate HP method) : Passes

Fans:
GX1 Exhaust, Constant Volume, 4250 CFM, 3.0 motor nameplate hp, 0.0 fan efficiency grade
GX2 Exhaust, Constant Volume, 250 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade
GX3 Exhaust, Constant Volume, 250 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade
GX4 Exhaust, Constant Volume, 325 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade
TX1 Exhaust, Constant Volume, 700 CFM, 0.3 motor nameplate hp, 0.0 fan efficiency grade
TX2 Exhaust, Constant Volume, 100 CFM, 0.0 motor nameplate hp, 0.0 fan efficiency grade
TX3 Exhaust, Constant Volume, 100 CFM, 0.0 motor nameplate hp, 0.0 fan efficiency grade
ERXF122 Exhaust, Constant Volume, 58 CFM, 0.0 motor nameplate hp, 0.0 fan efficiency grade
RTU 208 Supply, Constant Volume, 1200 CFM, 1.0 motor nameplate hp, 0.0 fan efficiency grade

Quantity System Type & Description

2 CU-1,2 (Single Zone):
VRF Condensing Unit, Air Cooled w/ Heat Recovery Heat Pump
Heating Mode: Capacity = 164 kBtu/h,
No minimum efficiency requirement applies
Cooling Mode: Capacity = 168 kBtu/h,
No minimum efficiency requirement applies
Fan System: None

3 EU-18 (Single Zone):
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 18 kBtu/h, No Economizer, Economizer exception: Heat Recovery System
No minimum efficiency requirement applies
Fan System: None

1 OU-1 (Single Zone):
VRF Condensing Unit, Air Cooled w/ Heat Recovery Heat Pump
Heating Mode: Capacity = 10 kBtu/h,
No minimum efficiency requirement applies
Cooling Mode: Capacity = 14 kBtu/h,
No minimum efficiency requirement applies
Fan System: None

7 EU-5 (Single Zone):
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 5 kBtu/h, No Economizer, Economizer exception: Heat Recovery System
No minimum efficiency requirement applies
Fan System: None

2 EU-9 (Single Zone):
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 9 kBtu/h, No Economizer, Economizer exception: Heat Recovery System
No minimum efficiency requirement applies
Fan System: None

4 FCU-36 (Single Zone):
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 36 kBtu/h, No Economizer, Economizer exception: Heat Recovery System
No minimum efficiency requirement applies
Fan System: None

1 EU-12 (Single Zone):
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 12 kBtu/h, No Economizer, Economizer exception: Heat Recovery System
No minimum efficiency requirement applies
Fan System: None

1 FCU-48 (Single Zone):
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 48 kBtu/h, No Economizer, Economizer exception: Heat Recovery System
No minimum efficiency requirement applies
Fan System: None

1 IU-1 (Single Zone):
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 12 kBtu/h, No Economizer, Economizer exception: Heat Recovery System
No minimum efficiency requirement applies
Fan System: None

1 WEH-112 (Single Zone):
Heating: 1 each - Unit Heater, Electric, Capacity = 5 kBtu/h
No minimum efficiency requirement applies
Fan System: None

3 CUH-A,B,126 (Single Zone):
Heating: 1 each - Unit Heater, Hot Water, Capacity = 10 kBtu/h
No minimum efficiency requirement applies
Fan System: None

4 UH-1,2,3,4 (Single Zone):
Heating: 1 each - Unit Heater, Hot Water, Capacity = 70 kBtu/h
No minimum efficiency requirement applies
Fan System: None

COMcheck Software Version 4.1.5.3

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 89.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR1][1]	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C103.2 [PR2][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C103.2 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C402.4.1 [PR10][1]	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C402.4.1 [PR11][1]	The skylight area <= 3 percent of the gross roof area.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Location on plans/spec:** does not apply

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

COMcheck Software Version 4.1.5.3

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 89.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR1][1]	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C103.2 [PR2][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C103.2 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C402.4.1 [PR10][1]	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C402.4.1 [PR11][1]	The skylight area <= 3 percent of the gross roof area.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Location on plans/spec:** does not apply

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

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H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT
VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
ENERGY COMPLIANCE
NEW FIRE STATION
PHASE 2

DRAWING No.
A2 011.00

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C402.4.2 [PR14][1]	In enclosed spaces > 2,500 ft2 directly under a roof with ceiling heights >15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 [FO4][2]	Slab edge insulation installed per manufacturer's instructions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.2.1 [FO6][1]	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C105 [FO3][2]	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.2.4 [FO7][2]	Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Envelope Assemblies table for values.*
C402.2.6 [FO12][3]	Radiant heating systems panels insulated to >=R-3.5 on face opposite space being heated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Envelope Assemblies table for values.*
C403.12.2 C403.12.3 [FO9][3]	Snow/ice melting system and freeze protection systems have sensors and controls configured to limit service for pavement temperature and outdoor temperature, future connection to controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12][2]	Fenestration products rated in accordance with NFRC.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.1.3 [FR13][1]	Fenestration products are certified as to performance labels or certificates provided.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.4.3 [FR10][1]	Vertical fenestration SHGC value.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.4.3, C402.4.3.4 [FR8][1]	Vertical fenestration U-Factor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.4.4 [FR14][1]	U-factor of opaque doors associated with the building thermal envelope meets requirements.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.5.1.2.1 [FR19][1]	The building envelope contains a continuous air barrier that is sealed in an approved manner and material permeability <= 0.004 dfm/ft2. Air barrier penetrations are sealed in an approved manner.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.2, C402.5.4 [FR18][3]	Factory-built fenestration and doors are labeled as meeting air leakage requirements.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.7 [FR17][1]	Vestibules are installed on all building entrances. Doors have self-closing devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
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1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.6.3 [PL7][3]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.6.3 [PL7][3]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
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1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.6.3 [PL7][3]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
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C404.6.3 [PL7][3]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.6.3 [PL7][3]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.6.3 [PL7][3]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PL8][3]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PL8][3]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.7 [PL8][3]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PL8][3]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

H 2 M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT
VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
ENERGY COMPLIANCE
NEW FIRE STATION
PHASE 2

DRAWING No.
A2 012.00

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Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C404.7 [PLB]3	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41]2	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.5, C403.2.4.3 [ME3]1	Stair and elevator shaft vents have motorized dampers that automatically close. Reference section C403.7.7 for operational details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61]2	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.1 [ME65]3	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.1 [ME65]3	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.1 [ME65]3	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.1 [ME65]3	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.8.1 [ME65]3	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.1 [ME65]3	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.1 [ME65]3	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.1 [ME65]3	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*
C403.8.3 [ME117]2	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.3 [ME117]2	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Single fans with motor nameplate horsepowerof = 5 hp.
C403.8.3 [ME117]2	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.3 [ME117]2	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Single fans with motor nameplate horsepowerof = 5 hp.
C403.8.3 [ME117]2	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Single fans with motor nameplate horsepowerof = 5 hp.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.8.3 [ME117]2	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Single fans with motor nameplate horsepowerof = 5 hp.
C403.8.3 [ME117]2	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Single fans with motor nameplate horsepowerof = 5 hp.
C403.8.3 [ME117]2	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Single fans with motor nameplate horsepowerof = 5 hp.
C403.8.3 [ME117]2	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Single fans with motor nameplate horsepowerof = 5 hp.
C403.8.4 [ME142]2	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.4 [ME142]2	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.5 [ME143]2	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.5 [ME143]2	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT
VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
ENERGY COMPLIANCE
NEW FIRE STATION
PHASE 2

DRAWING No.
A2 013.00

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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.12.1 [ME71][2]	Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.2.3 [ME55][2]	HVAC equipment efficiency verified.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Mechanical Systems list for values.*
C403.5.5 [ME113][2]	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.2 [ME59][1]	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.1 [ME59][1]	Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.2 [ME115][3]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.6 [ME141][3]	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.4 [ME57][1]	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.5 [ME116][3]	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.1 , C403.11.2 [ME60][2]	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5, C403.5.1, C403.5.2 [ME62][1]	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.5 [ME26][2]	Chilled water plants with multiple chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler plants with multiple boilers have the capability to reduce flow automatically through the boiler plant when a boiler is shut down.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.5 [ME26][2]	Chilled water plants with multiple chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler plants with multiple boilers have the capability to reduce flow automatically through the boiler plant when a boiler is shut down.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.5 [ME26][2]	Chilled water plants with multiple chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler plants with multiple boilers have the capability to reduce flow automatically through the boiler plant when a boiler is shut down.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.5 [ME26][2]	Chilled water plants with multiple chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler plants with multiple boilers have the capability to reduce flow automatically through the boiler plant when a boiler is shut down.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.4 [ME63][2]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.9.5 [ME31][3]	Condenser heat recovery system that can heat water to 85 °F or provide 60% of peak heat rejection is installed for preheating of service hot water.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Total installed heat capacity of water cooled systems = 6 MMBtu/h of heat rejection.
C403.9.5 [ME31][3]	Condenser heat recovery system that can heat water to 85 °F or provide 60% of peak heat rejection is installed for preheating of service hot water.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Total installed heat capacity of water cooled systems = 6 MMBtu/h of heat rejection.
C403.9.5 [ME31][3]	Condenser heat recovery system that can heat water to 85 °F or provide 60% of peak heat rejection is installed for preheating of service hot water.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Total installed heat capacity of water cooled systems = 6 MMBtu/h of heat rejection.
C403.9.5 [ME31][3]	Condenser heat recovery system that can heat water to 85 °F or provide 60% of peak heat rejection is installed for preheating of service hot water.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Total installed heat capacity of water cooled systems = 6 MMBtu/h of heat rejection.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.5.3.3 [ME124][1]	Air economizers automatically reduce outdoor air intake to the design minimum outdoor air quantity when outdoor air intake will not reduce cooling energy usage. See Table C403.5.3.3 for applicable device types and climate zones.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5.3.4 [ME125][1]	System capable of relieving excess outdoor air during air economizer operation to prevent overpressurizing the building. The relief air outlet located to avoid recirculation into the building.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5.3.5 [ME126][1]	Return, exhaust/relief and outdoor air dampers used in economizers have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.7 for details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.3 [ME69][2]	The heating of fluids in hydronic systems that have been previously mechanically cooled, and the cooling of fluids that have been previously mechanically heated are limited in accordance with Sections C403.4.3.1-C403.4.3.3. Single boiler systems >500,000 Btu/h have multistaged or modulating burner.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.3.1 [ME50][2]	Three-pipe hydronic systems using a common return for hot and chilled water are not used.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.3.1 [ME50][2]	Three-pipe hydronic systems using a common return for hot and chilled water are not used.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.3.1 [ME50][2]	Three-pipe hydronic systems using a common return for hot and chilled water are not used.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.3.1 [ME50][2]	Three-pipe hydronic systems using a common return for hot and chilled water are not used.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.3.3 [ME35][1]	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3.3 [ME35][1]	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2.1 [ME53][1]	Air outlets and zone terminal devices have means for air balancing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2.2 [ME54][1]	HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2.2 [ME54][1]	HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2.2 [ME54][1]	HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2.2 [ME54][1]	HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5, C403.5.1, C403.5.2 [ME123][3]	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.3.3.2 [ME121][3]	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.4.3.3.2 [ME121][3]	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.4.3.3.2 [ME121][3]	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.4.3.3.3 [ME28][3]	Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.4 [ME68][3]	Hydronic systems greater than 300,000 Btu/h designed for variable fluid flow. See section language for full details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21][2]	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

H 2 M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

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FINAL BID DOCUMENT

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ARCHITECTURE
ENERGY COMPLIANCE
NEW FIRE STATION
PHASE 2

DRAWING No.

A2 014.00

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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23][3]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces. C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL26][3]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL27][3]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.5 [EL28][3][M]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26][2]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27][2]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8.2, C405.8.2.1 [EL28][2]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.9 [EL29][2]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Insulation Inspection	Complies?	Comments/Assumptions
C303.1 [IN3][1]	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <=3 in 12.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.2.1 [IN20][1]	Insulation installed on a suspended ceiling having ceiling tiles is not being specified for roof/ceiling assemblies. Continuous insulation board installed in 2 or more layers with edge joints offset between layers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C303.1 [IN10][2]	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.2 [IN7][1]	Above-grade wall insulation installed per manufacturer's instructions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.2.1 [IN14][2]	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C105 [IN6][1]	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.2.3 [IN8][2]	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.2.6 [IN18][3]	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C105 [IN2][1]	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.5.1.1 [IN1][1]	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][3]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C303.3, C408.2.5.3 [FI8][3]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.6 [FI37][2]	Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the doorway.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C402.5.6 [FI37][2]	Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the doorway.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C402.5.6 [FI37][2]	Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the doorway.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C402.5.6 [FI37][2]	Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the doorway.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C402.5.8 [FI26][3]	Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal between interior finish and luminaire housing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.2.2 [FI27][3]	HVAC systems and equipment capacity does not exceed calculated loads.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1.1 [FI42][3]	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1.1 [FI42][3]	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1.2 [FI38][3]	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1.3 [FI20][3]	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2 [FI39][3]	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.1, C403.2.4.2.2 [FI40][3]	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.3 [FI41][3]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.3 [FI41][3]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.4.1 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
C405.5.1 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C406.4 [FI54][2]	Enhanced digital lighting controls efficiency package: Interior lighting has following enhanced lighting controls in accordance with Section C405.2.2: Luminaires capable of continuous dimming and being addressed individually, <= 8 luminaires controlled in combination in a daylight zone, digital control system for fixtures, "Sequence of Operations" documentation, and functional testing per Section C408.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.1 [FI28][1]	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3.1 [FI31][1]	HVAC equipment has been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3.2 [FI10][1]	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3.3 [FI32][1]	Economizers have been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.4 [FI29][1]	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.1 [FI7][3]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.1 [FI16][3]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.3 [FI43][1]	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

H 2 M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ARCHITECTURE
ENERGY COMPLIANCE
NEW FIRE STATION
PHASE 2

DRAWING No.

A2 015.00

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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.5.4 [FI30][1]	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

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H 2 M architects + engineers

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

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REGISTERED ARCHITECT ROBERT L. BEE 027389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
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FINAL BID DOCUMENT

SHEET TITLE

ARCHITECTURE
ENERGY COMPLIANCE
NEW FIRE STATION
PHASE 2

DRAWING No.

A2 016.00

GENERAL NOTES

1. ALL INTERIOR WALL AND CEILING FINISHES MUST MEET OR EXCEED THE REQUIREMENTS STATED IN TABLE 803.13 OF THE 2020 BUILDING CODE OF NEW YORK STATE (BCNYS).
2. 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 PER 2020 BCNYS CHAPTER 24.
3. THE MINIMUM CORRIDOR WIDTH SHALL NOT BE LESS THAN 44", PER 2020 BCNYS TABLE 1020.2.
4. TWO (2) EXITS FROM THE BUILDING ARE REQUIRED PER THE OCCUPANT LOAD, PER 2020 BCNYS TABLE 1006.3.2.
5. ONE (1) ACCESSIBLE ENTRANCE IS REQUIRED INTO THE BUILDING FROM THE EXTERIOR PER 2020 BCNYS SECTION 1105.1. (60% OF ALL PUBLIC ENTRANCES)
6. TWO (2) ACCESSIBLE PARKING SPACES MUST BE PROVIDED PER 2020 BCNYS TABLE 1106.1. SEE CIVIL DRAWINGS FOR LOCATIONS.
7. MAXIMUM ALLOWABLE TRAVEL DISTANCE SHALL NOT EXCEED 250'-0" FOR OCCUPANCY TYPE "A", 300'-0" FOR OCCUPANCY TYPE "B", AND 400'-0" FOR OCCUPANCY TYPE "S-2", IN ACCORDANCE WITH 2020 BCNYS, SECTION 1017, TABLE 1017.2 (FULLY SPRINKLED). (NON-SEPARATED MIXED USE BUILDING, THEREFORE 250'-0" GOVERNS AS MOST RESTRICTIVE.)
8. FACILITY TO BE EQUIPPED THROUGHOUT WITH A FULL NFPA 13 FIRE SPRINKLER SYSTEM THAT COMPLIES WITH SECTION 903 OF THE 2020 BCNYS. REFER TO 'FP' DRAWINGS FOR ADDITIONAL INFORMATION.
9. FACILITY TO BE EQUIPPED THROUGHOUT WITH A FULLY-ADDRESSIBLE NFPA 13 FIRE ALARM AND DETECTION SYSTEM. REFER TO 'FA' DRAWINGS FOR ADDITIONAL INFORMATION.
10. SQUARE FOOTAGES INDICATED BY ROOM ON CODE PLANS ON SHEETS G 101 AND G 102. REFER TO 2020 BCNYS TABLE 1004.5 FOR OCCUPANCY VALUES.
11. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED AS INDICATED IN SECTION 906 OF THE 2020 BCNYS AND TABLE 906.1 OF THE NYSFC. PORTABLE FIRE EXTINGUISHERS SHALL ALSO BE SELECTED AND INSTALLED IN ACCORDANCE WITH NFPA 10. SEE CODE COMPLIANCE PLANS ON G 101 AND G102 FOR QUANTITIES AND LOCATIONS OF EXTINGUISHERS.

BUILDING CODE OF NEW YORK STATE

(2020 BCNYS, CHAPTERS 5)

	ALLOWED *	PROPOSED	COMMENTS
BUILDING OCCUPANCY	A-3 / B / S-2	A-3 / B / S-2	SEE NOTES 2 & 3.
CONSTRUCTION CLASSIFICATION	IIB	IIB	-
HEIGHT (STORIES)	3	2	-
HEIGHT (FEET)	75'-0"	43'-10"	-
FIRE AREA (SF)	28,500	21,979	SEE NOTES 1 - 7

NOTES:
1. AS PER NYS BUILDING CODE AND NYS BULLETIN DATED OCTOBER 31, 2017, THIS BUILDING SHALL BE CONSIDERED A MIXED USE NON-SEPARATED BUILDING CONSISTING OF GROUPS 'S-2', 'B', AND 'A-3' THE MOST RESTRICTIVE. A-3, SHALL APPLY WHEN CALCULATING PERMITTED FIRE AREAS AND BUILDING HEIGHTS.
2. CODE ANALYSIS PERFORMED USING 2020 BUILDING CODE OF NEW YORK STATE.
3. MODEL BUILDING CODE, WITH APPLICABLE STATE AMENDMENTS, (HEREAFTER REFERENCED AS EITHER '2020 BCNYS' OR THE 'NYS BUILDING CODE'; OTHER PERTINENT APPLICABLE CODES INCLUDE, BUT ARE NOT LIMITED TO, ENERGY CONSERVATION CONSTRUCTION CODE (ECCCNYS) AND 2020 FIRE CODE (FC).
4. * = BASED ON MOST RESTRICTIVE.
5. ALLOWABLE BUILDING AREA AND HEIGHT HAS BEEN CALCULATED WITH THE INCLUSION OF AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903 OF THE 2020 BCNYS.
6. AS PER 2020 BCNYS SECTION 505.2, THE MEZZANINE AREA HAS BEEN CALCULATED AS PART OF THE STORY BELOW.
7. BUILDING IS TO BE FULLY SPRINKLERED.

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS

(2020 BCNYS, TABLE 601 & 602)

BUILDING OCCUPANCY CLASSIFICATION: A-3, B, S-2
CONSTRUCTION CLASSIFICATION: IIB

BUILDING ELEMENT	HOURS	COMMENTS
STRUCTURAL FRAME	0	-
EXTERIOR BEARING WALLS	0	SEE NOTE 2.
EXTERIOR NON-BEARING WALLS	0	-
INTERIOR BEARING WALLS	0	-
INTERIOR NON-BEARING WALLS	0	SEE NOTE 2.
FLOOR CONSTRUCTION	0	-
ROOF CONSTRUCTION	0	-

NOTES:
1. AS PER 2020 BCNYS, TABLE 602, AND AS INDICATED ON PLANS.
2. AS PER 2020 BCNYS TABLE 602, ALL TYPES OF CONSTRUCTION FIRE SEPARATION DISTANCE 10 ≤ X ≤ 30, FIRE RESISTANCE RATING IS 0.
3. SEE DRAWING A 001 FOR PARTITION TYPES
4. MOST RESTRICTIVE GOVERNS.

ENERGY CONSERVATION CONSTRUCTION CODE OF NYS

COUNTY: NEW WINDSOR | ZONE: 5A (2020 ECCCNYS TABLE C402.1.3 AND C402.4)

BUILDING ELEMENT	REQUIRED	PROPOSED
UNHEATED SLAB	R-10 FOR 24" BELOW	R-10 FOR 24" BELOW
HEATED SLAB	R-15 FOR 36" BELOW + R-5 FULL SLAB	R-15 FOR 36" BELOW + R-10 FULL SLAB
ROOF (INSULATION ENTIRELY ABOVE ROOF DECK)	R-30ci	R-30ci
ROOF (ATTIC)	R-38	R-38
ABOVE GRADE WALL (METAL FRAMED)	R-13 + R-7.5ci	R-19 + R15ci
ABOVE GRADE WALL (MASS)	R-11.4ci	R-15ci
NON-SWINGING OPAQUE DOORS	R-4.75	U-0.16
ENTRANCE DOORS	U-0.77	U-0.70
FIXED FENESTRATION	U-0.38	U-0.28
OPERABLE FENESTRATION	U-0.45	U-0.26

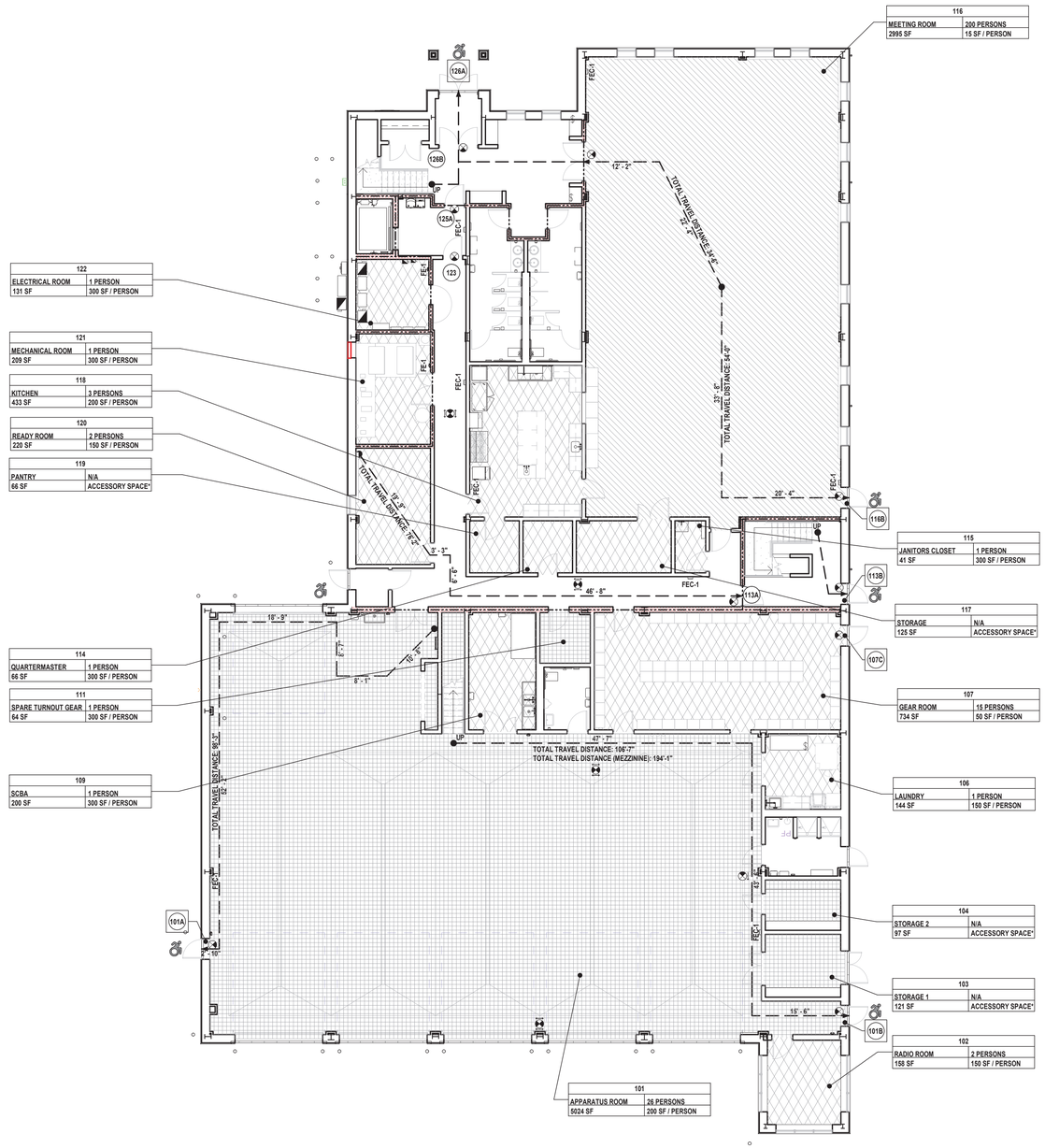
ENERGY CODE STATEMENT

(2020 ECCCNYS, SECTION C103.2.2)

TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THE DRAWINGS AND SPECIFICATIONS WHICH COMPRISE THE CONSTRUCTION DOCUMENTS FOR THE PROJECT ARE IN COMPLIANCE WITH THE LATEST EDITION OF THE ENEGRY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

APPLICABLE CODES

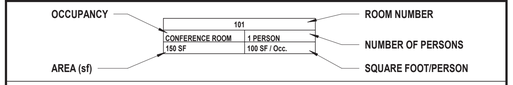
THE FOLLOWING ARE ADOPTED REFERENCES AS AMENDED:
- 2020 BUILDING CODE OF NEW YORK STATE, 1ST PRINTING
- 2020 FIRE CODE OF NEW YORK STATE, 1ST PRINTING
- 2020 PLUMBING CODE OF NEW YORK STATE, 1ST PRINTING
- 2020 FUEL GAS CODE OF NEW YORK STATE, 1ST PRINTING
- 2020 MECHANICAL CODE OF NEW YORK STATE, 1ST PRINTING
- 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE, 1ST PRINTING
- ASHRAE 90.1.2019 (OCTOBER 2019 PRINTING)
- ICC/ANSI A117.1 - 2019 ACCESSIBLE AND USABLE BUILDINHS AND FACILITIES.



1 First Floor Egress Plan
SCALE: 3/32" = 1'-0"

PROJECT NORTH

EGRESS LEGEND



101	INDICATES EXIT DOOR	101	INDICATES EXIT ACCESS DOOR
	INDICATES ADA ENTRANCE / EXIT		1 HOUR MIN. FIRE RATED WALL. 3/4 HOUR MIN. FIRE RATED OPENING PROTECTIVES
	INDICATES GROSS AREA OF ASSEMBLY (A-3) SPACES		INDICATES EMERGENCY EXIT
	INDICATES GROSS AREA OF STORAGE (S-2) SPACES	FE - #	INDICATES FIRE EXTINGUISHER AND TYPE #
	INDICATES GROSS AREA OF BUSINESS (B) SPACES	FEC - #	INDICATES FIRE EXTINGUISHER (IN CABINET SEMI - RECESSED) AND TYPE #

MINIMUM NUMBER OF EXITS PER OCCUPIED SPACE

(2020 BCNYS, TABLE 1006.2.1 AND TABLE 1006.3.2)

	ROOM #	ROOM NAME	OCCUPANT LOAD	MINIMUM REQ'D # OF EXITS	# OF EXITS PROVIDED
FIRST FLOOR (WITH MEZZANINE)	101	APPARATUS ROOM	26	1	2
	102	RADIO ROOM	2	1	1
	106	LAUNDRY	1	1	1
	107	GEAR ROOM	15	1	4
	109	SCBA	1	1	1
	111	SPARE TURNOUT GEAR	1	1	1
	114	QUARTERMASTER	1	1	1
	116	MEETING ROOM	200	2	3
	118	KITCHEN	3	1	1
	120	READY ROOM	2	1	1
	121	MECHANICAL ROOM	1	1	1
	122	ELECTRICAL ROOM	1	1	1
	221	MEZZANINE	4	1	2

NOTES:
1. BASED ON BCNYS TABLE 1004.5
2. ALL ROOMS DESIGNATED WITH AN ASTERICK ARE ACCESSORY SPACES AS PER 2020 BCNYS SECTION 1004.2.1.

MINIMUM NUMBER OF EXITS PER OCCUPIED LOAD

(2020 BCNYS, TABLE 1006.3.2)

LEVEL	FLOOR AREA (SF)	OCCUPANT LOAD	MIN. # OF EXITS OR EXIT ACCESS REQ'D	# OF EXITS PROVIDED
FIRST FLOOR (WITH MEZZANINE)	15,096	258	2	6
SECOND FLOOR	6,883	129	2	2

CAPACITY OF EXIT DOORS

(2020 BCNYS, SECTION 1005.3.1 , 1005.3.2 AND SECTION 1010.1.1)

DOOR #	MINIMUM WIDTH	ACTUAL WIDTH	MAXIMUM # OF PERSONS ALLOWED	MAXIMUM # OF PERSONS PROPOSED
101A	32" CLEAR	36" DOOR	36 / .15 = 240	17
101B	32" CLEAR	36" DOOR	36 / .15 = 240	17
107C	32" CLEAR	36" DOOR	36 / .15 = 240	15
113B	32" CLEAR	36" DOOR	36 / .20 = 240	71
116B	32" CLEAR	36" DOOR	36 / .15 = 240	100
126A	32" CLEAR	72" DOOR	72 / .15 = 480	168

NOTES:
1. CLEAR WIDTH MEASURE WITH DOORS OPEN AT 90 DEGREES.
2. PROVIDE A CLEAR WDITH OF 32" MINIMUM FOR EGRESS AT SINGLE DOORS SIZED AT 36".
3. PROVIDE A CLEAR WIDTH OF 68" MINIMUM FOR EGRESS AT DOUBLE DOORS SIZED AT 72".
4. MAXIMUM NUMBER OF PERSONS/OCCUPANTS ALLOWED BASED ON BCNYS SECTION 1005.3.2, EXCEPTION 1.

CAPACITY OF EXIT ACCESS DOORS

(2020 BCNYS, SECTION 1005.3.1 , 1005.3.2 AND SECTION 1010.1.1)

DOOR #	MINIMUM WIDTH	ACTUAL WIDTH	MAXIMUM # OF PERSONS ALLOWED	MAXIMUM # OF PERSONS PROPOSED
113A	32" CLEAR	36" DOOR	36 / .15 = 240	6
125	32" CLEAR	36" DOOR	36 / .15 = 240	3
126B	32" CLEAR	72" DOOR	72 / .15 = 480	168

NOTES:
1. CLEAR WIDTH MEASURE WITH DOORS OPEN AT 90 DEGREES.
2. PROVIDE A CLEAR WDITH OF 32" MINIMUM FOR EGRESS AT SINGLE DOORS SIZED AT 36".
3. PROVIDE A CLEAR WIDTH OF 68" MINIMUM FOR EGRESS AT DOUBLE DOORS SIZED AT 72".
4. * = ONLY 1 ACTIVE LEAF
5. MAXIMUM NUMBER OF PERSONS/OCCUPANTS ALLOWED BASED ON BCNYS SECTION 1005.3.2, EXCEPTION 1

EXIT ACCESS TRAVEL DISTANCE

(2020 BCNYS, TABLE 1017.2)

OCCUPANCY	MAXIMUM DISTANCE ALLOWED (SPRINKLERED)	MAXIMUM DISTANCE PROVIDED (SPRINKLERED)
ASSEMBLY (A-3)	250'-0"	SEE EGRESS PLANS ON G 101 & G 102

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT
VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
FIRST FLOOR EGRESS PLAN
NEW FIRE STATION
PHASE 2

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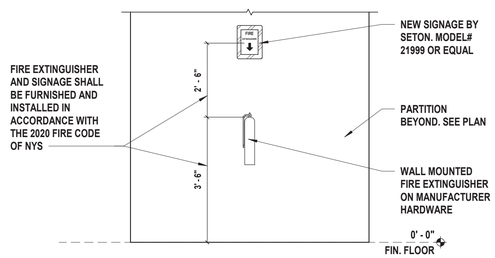
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PLUMBING FIXTURE REQUIREMENTS

(2020 PCNYS, TABLE 403.1)

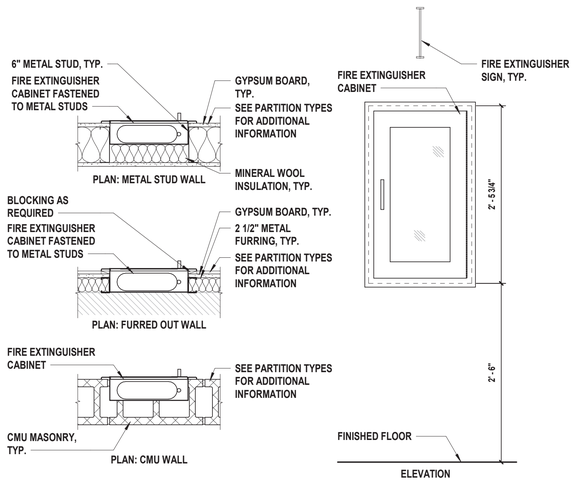
SPACE		WATER CLOSETS				LAVATORIES			BATHTUBS/SHOWERS		DRINKING FOUNTAIN		OTHER	
USE	LOAD	RATIO	MALE	RATIO	FEMALE	RATIO	MALE	FEMALE	RATIO	REQUIRED	RATIO	REQUIRED	REQUIRED	PROVIDED
ASSEMBLY 'A-3'	200	1 PER 125	0.8	1 PER 65	1.54	1 PER 200	0.5	0.5	N/A		1 PER 500	0.4	1 SERVICE SINK	SEE NOTE 2
BUSINESS 'B'	138	1 PER 25 FOR THE FIRST 50, 1 PER 50 FOR THE REMAINDER EXCEEDING 50	2.38	1 PER 25 FOR THE FIRST 50, 1 PER 50 FOR THE REMAINDER EXCEEDING 50	2.38	1 PER 40 FOR THE FIRST 1,520, 1 PER 60 FOR THE REMAINDER EXCEEDING 1,520	1.73	1.73	N/A		1 PER 100	1.38	1 SERVICE SINK	2
STORAGE 'S-2'	50	1 PER 100	0.5	1 PER 100	0.5	1 PER 100	0.25	0.25	N/A		1 PER 1000	0.05	1 SERVICE SINK	1
SUB-TOTAL	388		3.68		4.42		2.48	2.48	N/A			1.83		
TOTAL REQUIRED			4		5		3	3	N/A	0		2		3
TOTAL PROVIDED			5		5		3	3	N/A	4		3		3

NOTES:
1. 'ASSEMBLY' USE HAS BEEN UTILIZED ONLY AS A DESIGNATION OF FUNCTION FOR THE MEETING ROOM. PLUMBING FIXTURE COUNTS BASED ON ACTUAL/FUNCTIONAL USE, NOT BUILDING CLASSIFICATION.
2. THE 2020 PCNYS REQUIRES ONLY ONE SERVICE SINK PER BUILDING IF ALL OCCUPANCIES HAVE ACCESS TO THE SERVICE SINK AT ALL TIMES. THIS BUILDING IS EQUIPPED WITH 3 SERVICE SINKS.
3. AS PER SECTION 403.3.3 OF THE 2020 BCNYS, TOILET FACILITIES ARE REQUIRED TO BE LOCATED WITHIN 500 FEET AND ONE STORY ABOVE OR BELOW THE SPACE THAT REQUIRES THEM. FULL COMPLIANCE OF THIS REQUIREMENT HAS BEEN PROVIDED.
4. THIS FACILITY IS EQUIPPED WITH ONE (1) EMERGENCY EYEWASH STATION AND TWO (2) EMERGENCY SHOWERS.
5. ONE ADDITIONAL SINGLE OCCUPANT UNISEX TOILET ROOM HAS BEEN PROVIDED (TOILET ROOM 108). ONE ADDITIONAL WATER CLOSET AND LAVATORY IS PROVIDED IN THE ROOM. THESE FIXTURES ARE IN ADDITION TO THE COUNT SHOWN IN THE ABOVE TABLE.

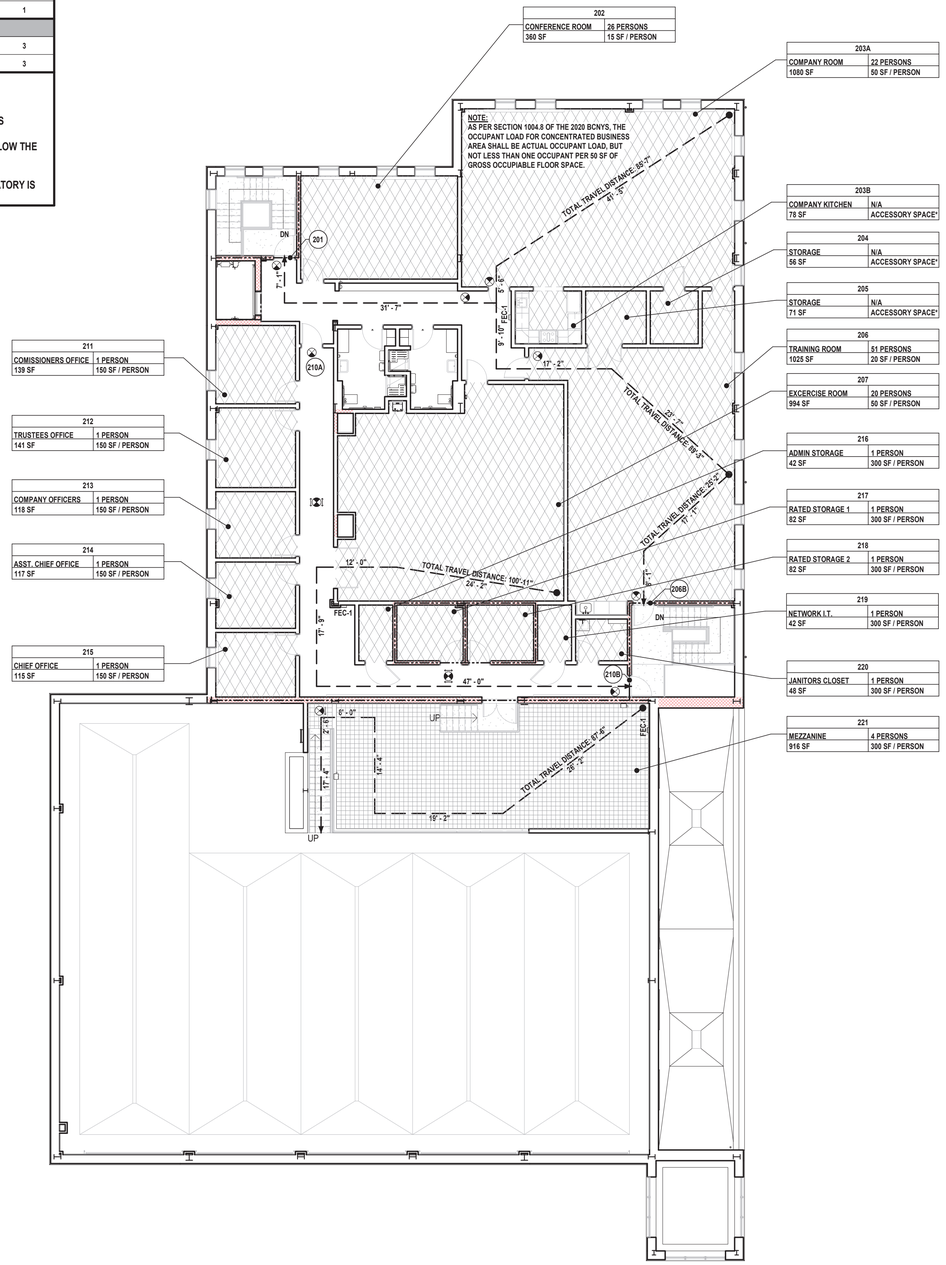


NOTE:
FIRE EXTINGUISHERS SHALL BE INSTALLED PER FCNYS 906 AND NFPA 10. MAXIMUM TRAVEL DISTANCE OF TRAVEL TO AN EXTINGUISHER SHALL BE 75 FEET, WITH A MINIMUM OF ONE FIRE EXTINGUISHER PER 11,250 SQUARE FEET OF FLOOR AREA.

2 Wall Mounted Fire Extinguisher
SCALE:N.T.S

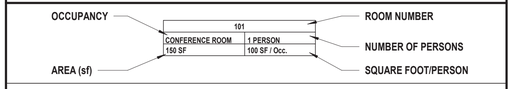


3 Recessed Fire Extinguisher Detail
SCALE: 1" = 1'-0"



1 Second Floor Egress Plan
SCALE: 3/32" = 1'-0"

EGRESS LEGEND



101	INDICATES EXIT DOOR	101	INDICATES EXIT ACCESS DOOR
	INDICATES ADA ENTRANCE / EXIT		1 HOUR MIN. FIRE RATED WALL. 3/4 HOUR MIN. FIRE RATED OPENING PROTECTIVES
	INDICATES GROSS AREA OF ASSEMBLY (A-3) SPACES		INDICATES EMERGENCY EXIT
	INDICATES GROSS AREA OF STORAGE (S-2) SPACES	FE - #	INDICATES FIRE EXTINGUISHER AND TYPE #
	INDICATES GROSS AREA OF BUSINESS (B) SPACES	FEC - #	INDICATES FIRE EXTINGUISHER (IN CABINET SEMI - RECESSED) AND TYPE #

MINIMUM NUMBER OF EXITS PER OCCUPIED SPACE

(2020 BCNYS, TABLE 1006.2.1 AND TABLE 1006.3.2)

	ROOM #	ROOM NAME	OCCUPANT LOAD	MINIMUM REQ'D # OF EXITS	# OF EXITS PROVIDED
SECOND FLOOR	202	CONFERENCE ROOM	26	1	1
	203A	COMPANY ROOM	22	1	1
	206	TRAINING ROOM	51	2	2
	207	EXCERCISE ROOM	20	1	2
	211	COMISSIONERS OFFICE	1	1	1
	212	TRUSTEES OFFICE	1	1	1
	213	COMPANY OFFICERS	1	1	1
	214	ASSISTANT CHIEF OFFICE	1	1	1
	215	CHIEF OFFICE	1	1	1
	216	ADMIN STORAGE	1	1	1
	217	RATED STORAGE 1	1	1	1
	218	RATED STORAGE 2	1	1	1
	219	NETWORK I.T.	1	1	1
	220	JANITORS CLOSET	1	1	1

NOTES:
1. BASED ON BCNYS TABLE 1004.5
2. ALL ROOMS DESIGNATED WITH AN ASTERICK ARE ACCESSORY SPACES AS PER 2020 BCNYS SECTION 1004.2.1.

CAPACITY OF EXIT ACCESS DOORS

(2020 BCNYS, SECTION 1005.3.1 , 1005.3.2 AND SECTION 1010.1.1)

DOOR #	MINIMUM WIDTH	ACTUAL WIDTH	MAXIMUM # OF PERSONS ALLOWED	MAXIMUM # OF PERSONS PROPOSED
201	32" CLEAR	36" DOOR	36 / .15 = 240	93
210A	32" CLEAR	36" DOOR	36 / .15 = 240	10
206B	32" CLEAR	36" DOOR	36 / .15 = 240	26
210B	32" CLEAR	36" DOOR	36 / .20 = 180	10

NOTES:
1. CLEAR WIDTH MEASURE WITH DOORS OPEN AT 90 DEGREES.
2. PROVIDE A CLEAR WDITH OF 32" MINIMUM FOR EGRESS AT SINGLE DOORS SIZED AT 36".
3. PROVIDE A CLEAR WIDTH OF 68" MINIMUM FOR EGRESS AT DOUBLE DOORS SIZED AT 72".
4. MAXIMUM NUMBER OF PERSONS/OCCUPANTS ALLOWED BASED ON BCNYS SECTION 1005.3.2, EXCEPTION 1.

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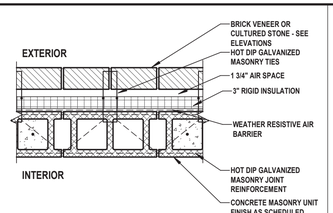
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SECOND FLOOR EGRESS PLAN
NEW FIRE STATION
PHASE 2

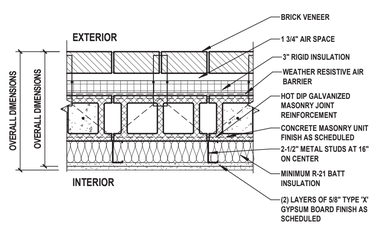
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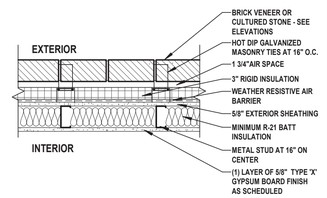
WALL TYPE	OVERALL DIMENSIONS	CMU SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
01	1'-4"	7 5/8"	-	-	-	-

01 CMU Veneer
Exterior Partition — H2M Ref # CE-002



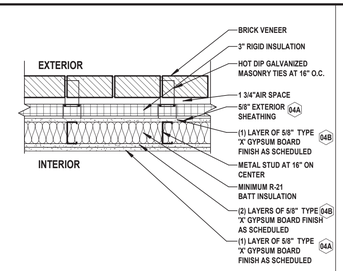
WALL TYPE	OVERALL DIMENSIONS	CMU SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
02A	1'-7 1/8"	7 5/8"	-	-	-	-
02B	1'-7 3/4"	7 5/8"	1 HR	U938	-	-

02 CMU Veneer
Exterior Partition — H2M Ref # CE-002



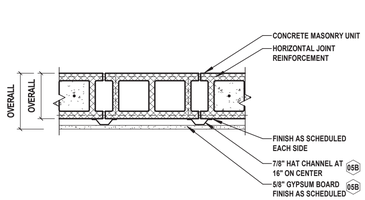
WALL TYPE	OVERALL DIMENSIONS	STUD SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
03	1'-3 5/8"	6"	-	-	-	-

03 Masonry Veneer
Exterior Partition — H2M Ref # ME-026



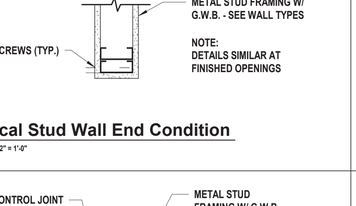
WALL TYPE	OVERALL DIMENSIONS	STUD SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
04A	1'-3-5/8"	6"	-	-	-	-
04B	1'-4 1/4"	6"	1 HR	W429	-	-

04 Brick Veneer at Gable Ends
Exterior Partition — H2M Ref # ME-026



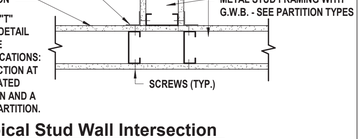
WALL TYPE	OVERALL DIMENSIONS	CMU SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
05A	7 5/8"	7 5/8"	-	-	-	-
05B	9 1/8"	7 5/8"	1 HR	U935	-	-

05 CMU Partition
Interior Partition — H2M Ref # CI-101



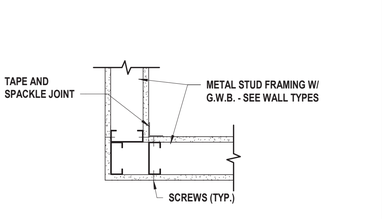
WALL TYPE	OVERALL DIMENSIONS	CMU SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
06A	10 3/4"	7 5/8"	-	-	-	-
06B	10 3/4"	7 5/8"	1 HR	U935	-	-
06C	11 3/8"	7 5/8"	1 HR	U935	-	-

06 CMU w/ Metal Stud
Interior Partition — H2M Ref # CI-102



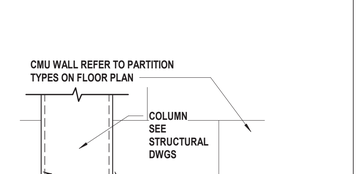
WALL TYPE	OVERALL DIMENSIONS	CMU SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
07	1'-3 1/4"	3 5/8"	-	-	-	-

07 CMU Chase Wall
Interior Partition — H2M Ref # CI-108



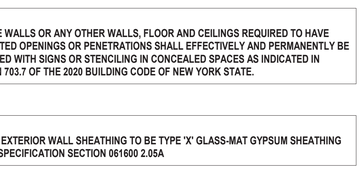
WALL TYPE	OVERALL DIMENSIONS	STUD SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
08A	7 1/4"	6"	-	-	-	-
08B	7 1/4"	6"	1 HR	U423	-	-
08C	11 1/4"	8" & 2 1/2"	-	-	-	-

08 Metal Stud Partition
Interior Partition — H2M Ref # MI-131



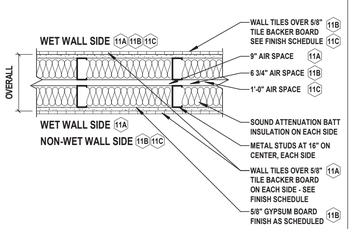
WALL TYPE	OVERALL DIMENSIONS	STUD SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
09A	7 1/4"	6"	-	-	-	-
09B	6 5/8"	6"	-	-	-	-

09 Metal Stud Partition
Interior Partition — H2M Ref # MI-131



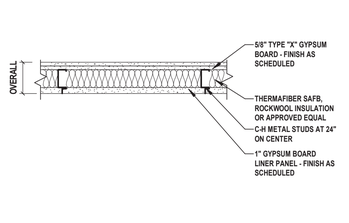
WALL TYPE	OVERALL DIMENSIONS	STUD SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
10A	7 1/4"	6"	-	-	-	OVERALL DIMENSION EXCLUDES TILE
10B	7 1/4"	6"	1 HR	U423	-	OVERALL DIMENSION EXCLUDES TILE
10C	7 1/4"	6"	-	-	-	OVERALL DIMENSION EXCLUDES TILE

10 Metal Stud Partition
Interior Partition — H2M Ref # MI-131



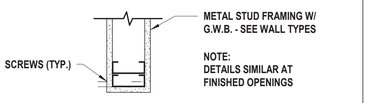
WALL TYPE	OVERALL DIMENSIONS	STUD SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
11A	1'-6 1/4"	(2) 2 1/2"	-	-	-	OVERALL DIMENSION EXCLUDES TILE
11B	1'-4"	4"	-	-	-	OVERALL DIMENSION EXCLUDES TILE
11C	1'-9 1/4"	4"	-	-	-	OVERALL DIMENSION EXCLUDES TILE

11 Metal Stud Double Wall
Interior Partition — H2M Ref # MI-139



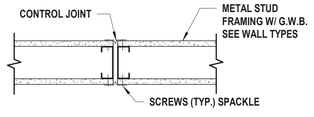
WALL TYPE	OVERALL DIMENSIONS	STUD SIZE	FIRE RATING	UL No.	STC RATING	COMMENTS
12	5 5/8"	2 1/2"	1 HR	U492	-	-

12 Metal Stud Shaft Wall
Interior Partition — H2M Ref # MI-135

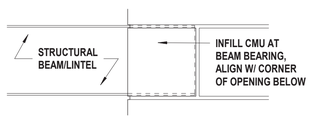


3 Typical Stud Wall End Condition
SCALE: 1 1/2" = 1'-0"

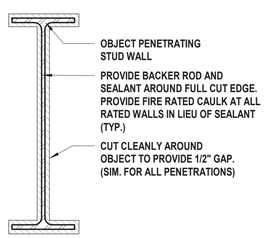
5 Typical Stud Wall Intersection
SCALE: 1 1/2" = 1'-0"

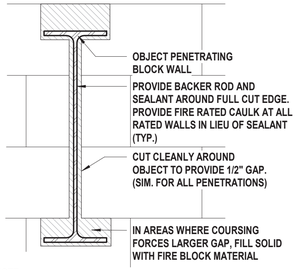


4 Typical Control Joint at Stud Wall
SCALE: 1 1/2" = 1'-0"



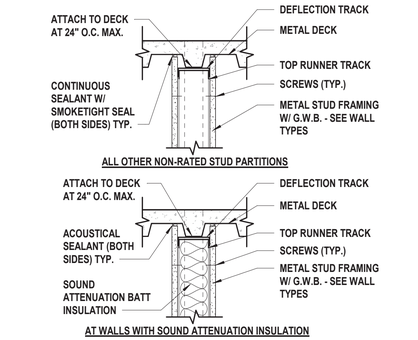
6 Typical Infill at Exposed Beam / Lintel
SCALE: 1 1/2" = 1'-0"





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

1 Typical Horizontal Penetrations at Walls
SCALE: 1 1/2" = 1'-0"



2 Typ. Top of Wall Stud to Underside of Deck
SCALE: 1 1/2" = 1'-0" Non-Rated Partitions

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

7 Typical Stud Wall Corner Detail
SCALE: 1 1/2" = 1'-0"

NOTE: USE JAMB BLOCK AT ENDS OF WALL THAT ARE EXPOSED

8 Typical CMU to Column Detail
SCALE: 1 1/2" = 1'-0"

NOTE:
ALL FIRE WALLS OR ANY OTHER WALLS, FLOOR AND CEILINGS REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL EFFECTIVELY AND PERMANENTLY BE IDENTIFIED WITH SIGNS OR STENCILING IN CONCEALED SPACES AS INDICATED IN SECTION 703.7 OF THE 2020 BUILDING CODE OF NEW YORK STATE.

NOTE:
ALL 5/8" EXTERIOR WALL SHEATHING TO BE TYPE 'X' GLASS-MAT GYPSUM SHEATHING AS PER SPECIFICATION SECTION 061600 2.05A

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
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CONSULTANTS:

MARK	DATE	DESCRIPTION
2	12/22/2022	REVS. PER TOWN COMMENTS
3	02/02/2023	REVS. PER TOWN COMMENTS

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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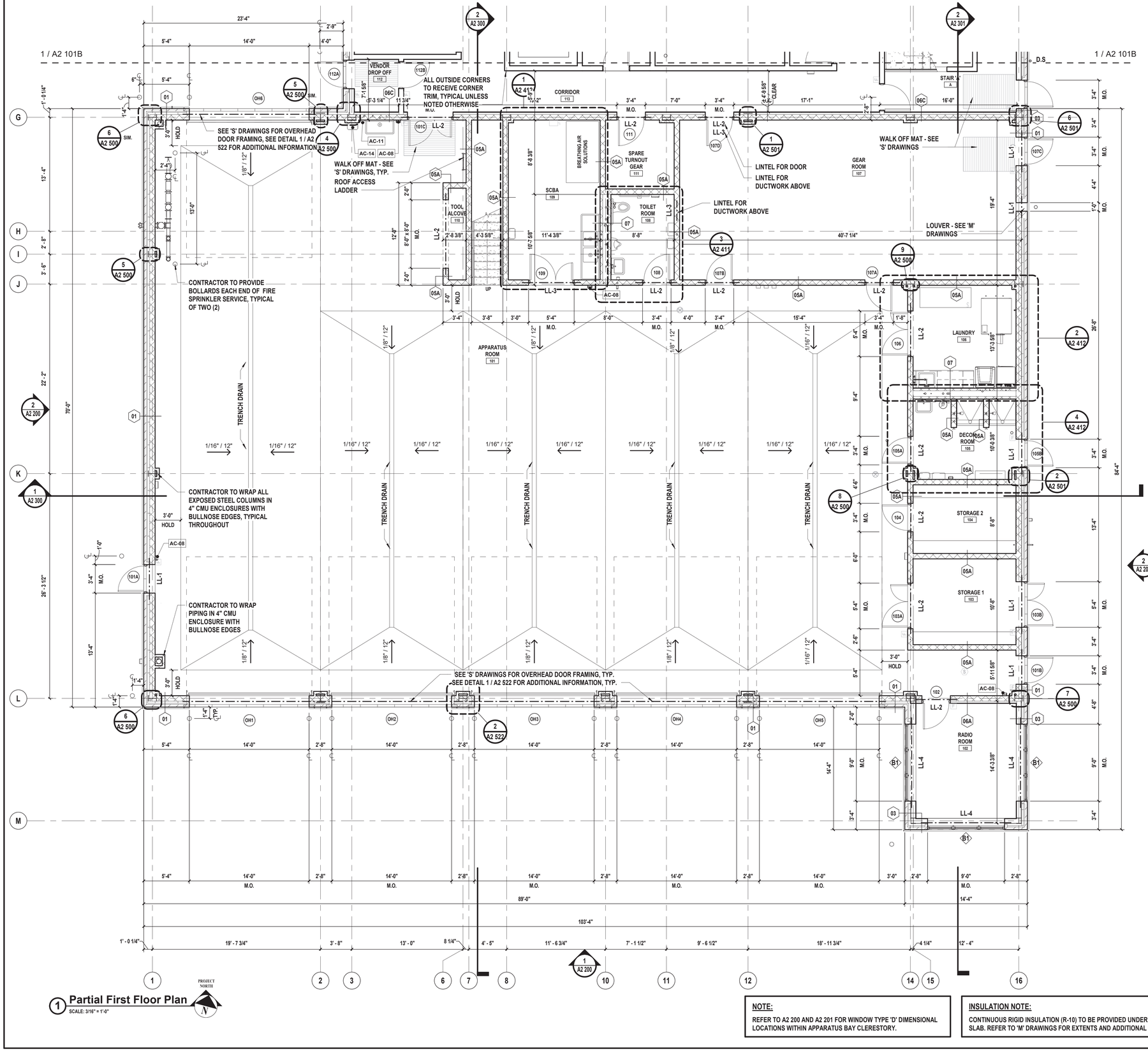
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STATUS
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SHEET TITLE
ARCHITECTURE
NEW FIRE STATION
PARTITION TYPES, PENETRATION AND CONNECTION DETAILS
PHASE 2

DRAWING No.
A2 030.03

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1 Partial First Floor Plan

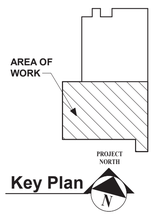
SCALE: 3/16" = 1'-0"

NOTE:

REFER TO A2 200 AND A2 201 FOR WINDOW TYPE 'D' DIMENSIONAL LOCATIONS WITHIN APPARATUS BAY CLERESTORY.

INSULATION NOTE:

CONTINUOUS RIGID INSULATION (R-10) TO BE PROVIDED UNDER ENTIRE HEATED SLAB. REFER TO 'M' DRAWINGS FOR EXTENTS AND ADDITIONAL INFORMATION.



Key Plan

GENERAL FLOOR PLAN NOTES

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2. FOR WALL CONSTRUCTION REFER TO PARTITION TYPES AND DETAILS ON A2 030.
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5. PROVIDE SADDLES WHERE INDICATED AT ROOM TRANSITIONS AS NOTED IN THE DOOR SCHEDULE. SADDLES TO BE FULL WIDTH OF OPENING. - SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
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8. ALL LINTELS DENOTED AS LL-XX, SEE LINTEL SCHEDULE ON THIS SHEET AND 'S' DRAWINGS FOR ADDITIONAL INFORMATION.
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11. ALL EXPOSED CORNERS OF CONCRETE MASONRY UNIT WALL CONSTRUCTION SHALL HAVE BULLNOSE EDGE. SEE DETAILS ON A2 500 & A2 501 DRAWINGS FOR ADDITIONAL INFORMATION.
12. ALL STRUCTURAL COLUNS TO BE ENCLOSED UNLESS NOTED OTHERWISE.

FLOOR PLAN LEGEND

OFFICE 10001A	INDICATES ROOM NAME; INDICATES ROOM NUMBER DESIGNATION
1	INDICATES NEW PARTITION TYPE AND PARTITION TAG. SEE PARTITION TYPES FOR ADDITIONAL INFORMATION.
101	INDICATES NEW DOOR AND DOOR TAG. SEE DOOR TYPES AND DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
A	INDICATES NEW WINDOW AND WINDOW TAG. SEE WINDOW TYPES AND WINDOW SCHEDULE FOR ADDITIONAL INFORMATION.
	INDICATES WALK OFF MAT - SEE SPECIFICATIONS AND 'S' DRAWINGS FOR ADDITIONAL INFORMATION
D.S	INDICATES NEW DOWNSPOUT

LINTEL SCHEDULE

MARK	SIZE	DETAILS	COMMENTS
LL-1	(3) L3-1/2 x 3-1/2 x 5/16" AND PL 1/4" x 15" x M.O.		NOTES 1-5
LL-2	(2) L3-1/2 x 3-1/2 x 5/16"		NOTES 1, 3-5
LL-3	(2) L5 x 3-1/2x 5/16" (LLV)		NOTES 1, 3-5
LL-4	L5 x 3-1/2 x 5/16" (LLV) & PL 1/4" x 8" x M.O.		NOTES 1-5
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5. VERTICAL LEGS OF DOUBLE ANGLES SHALL BE WELDED TOGETHER.

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		
PROJECT No: VGFD2001	DATE: JULY 2022	SCALE: AS SHOWN	

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

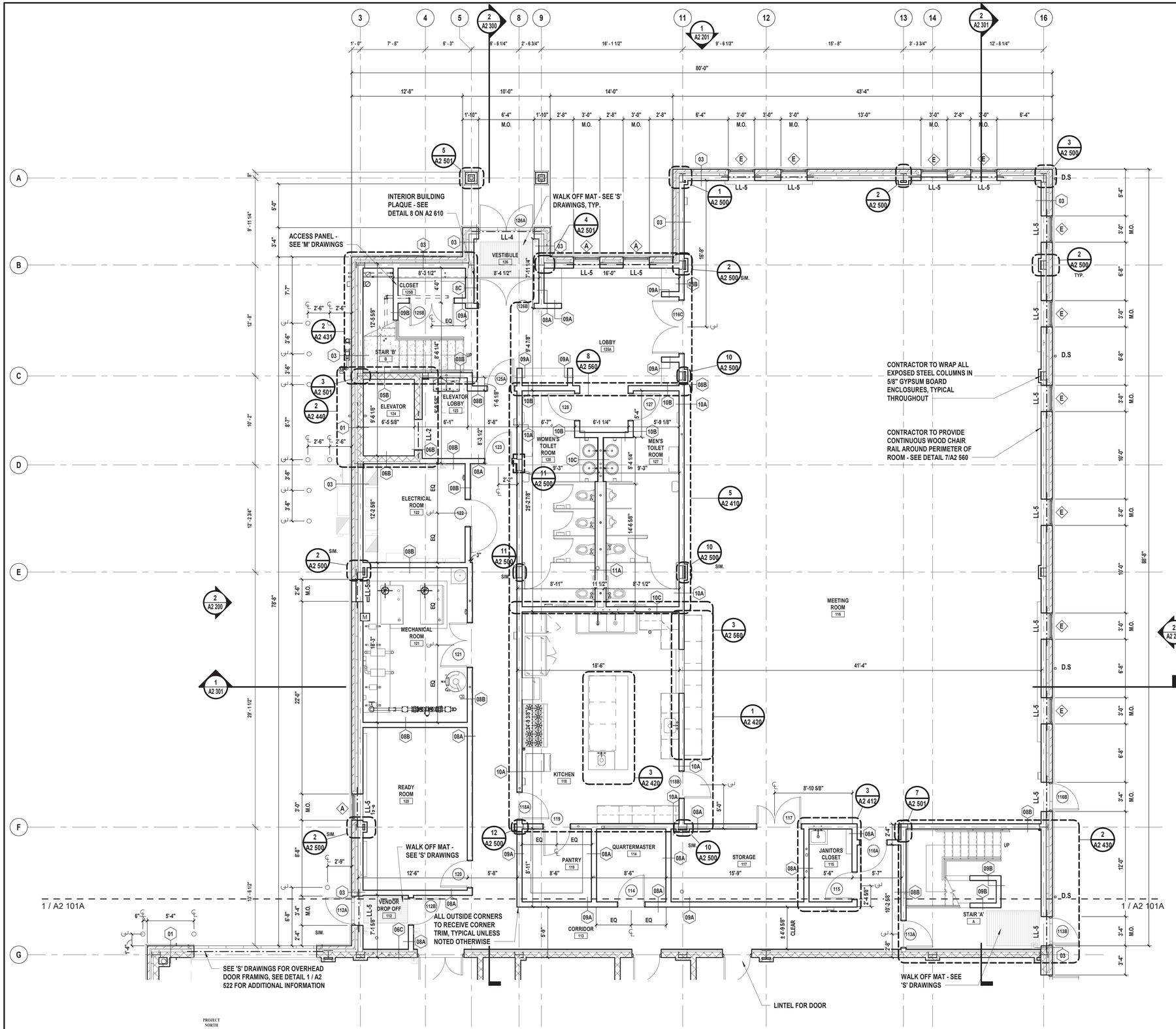
CONTRACT
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GENERAL CONSTRUCTION

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
PARTIAL FIRST FLOOR PLAN
NEW FIRE STATION
PHASE 2

DRAWING No.
A2 101A.00

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1 Partial First Floor Plan

SCALE: 3/16" = 1'-0"

GENERAL FLOOR PLAN NOTES

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FLOOR PLAN LEGEND

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D.S	INDICATES NEW DOWNSPOUT

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AREA OF WORK

PROJECT NORTH

Key Plan

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

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KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

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GENERAL CONSTRUCTION

STATUS

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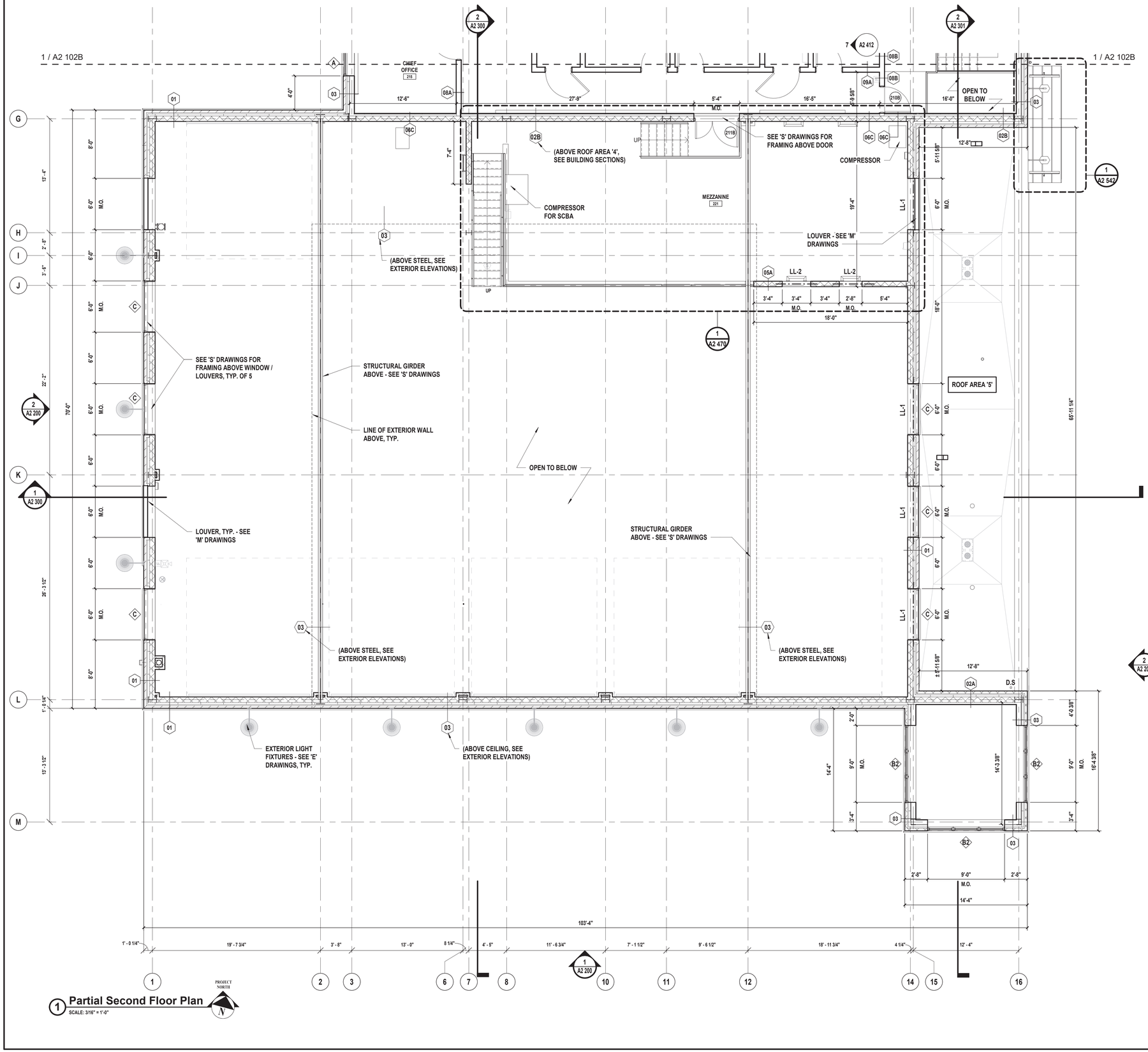
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ARCHITECTURE
PARTIAL FIRST FLOOR PLAN
NEW FIRE STATION
PHASE 2

DRAWING No.

A2 101B.00

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1 Partial Second Floor Plan

SCALE: 3/16" = 1'-0"

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FLOOR PLAN LEGEND

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10001A — INDICATES ROOM NUMBER DESIGNATION

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NOTE:

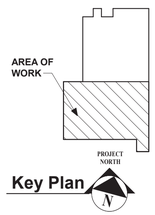
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Key Plan

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CONSULTANTS:

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KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

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GENERAL CONSTRUCTION

STATUS

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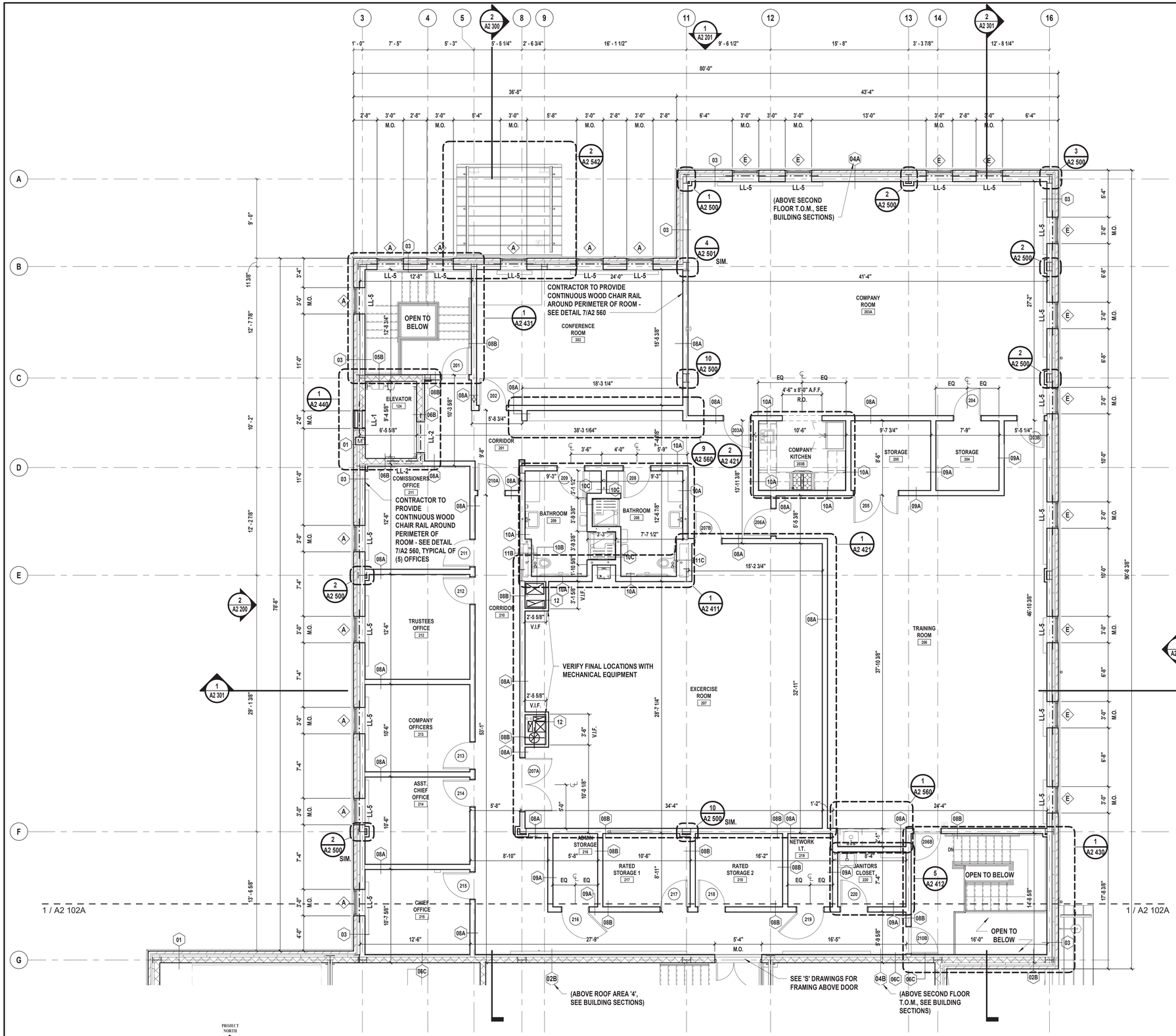
ARCHITECTURE
MEZZANINE FLOOR PLAN
NEW FIRE STATION
PHASE 2

DRAWING No.

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1 **Partial Second Floor Plan**
SCALE: 3/16" = 1'-0"

PROJECT NORTH

GENERAL FLOOR PLAN NOTES

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FLOOR PLAN LEGEND

INDICATES ROOM NAME: OFFICE
INDICATES ROOM NUMBER DESIGNATION: 10001A

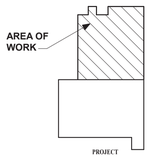
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Key Plan

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CONSULTANTS:

MARK	DATE	DESCRIPTION

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VGFD2001	JULY 2022	AS SHOWN

CLIENT

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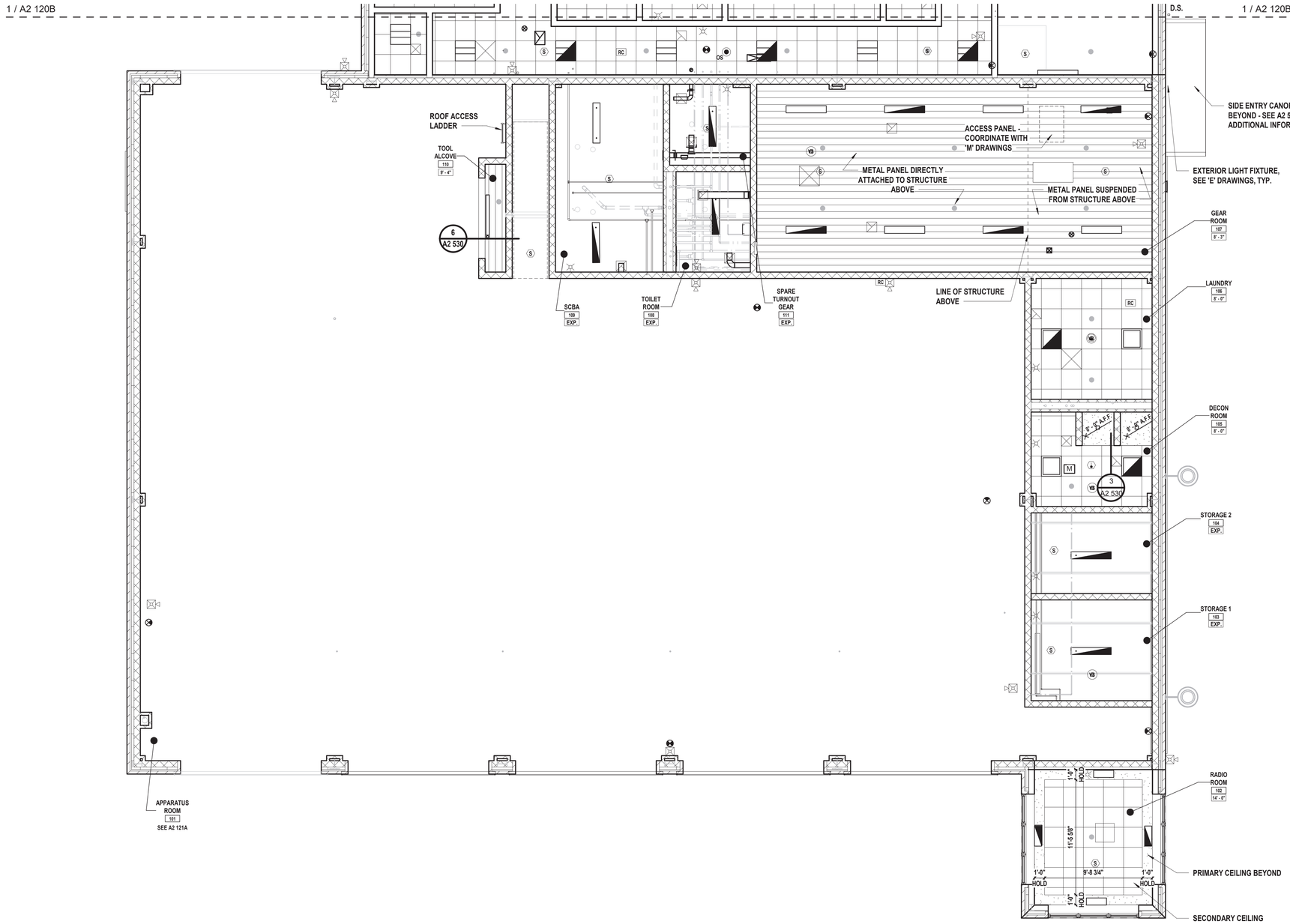
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SHEET TITLE
ARCHITECTURE
SECOND FLOOR PLAN
NEW FIRE STATION
PHASE 2

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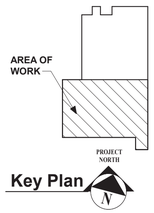


RCP LEGEND

OFFICE / 10001A / 12'-0"	INDICATES ROOM NAME; INDICATES ROOM NUMBER DESIGNATION; INDICATES CEILING HEIGHT
EXP.	INDICATES AREAS OF EXPOSED CEILINGS
7'-0" A.F.F.	INDICATES HEIGHT OF SOFFITS
	INDICATES ACOUSTICAL PANEL AND GRID SYSTEM
	INDICATES METAL PANEL CEILING SYSTEM OR EXTERIOR VENTED ALUMINUM SOFFIT
	INDICATES GYPSUM BOARD CEILING
	INDICATES 2X2 RECESSED LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES 2X2 RECESSED LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES 2X2 RECESSED EMERGENCY LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES CEILING HUNG PENDENT LIGHT FIXTURE / EMERGENCY LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES 1x4 LINEAR SURFACE LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES 1x2 LINEAR SURFACE LIGHT FIXTURE / EMERGENCY LIGHT FIXTURE- SEE 'E' DRAWINGS
	INDICATES EXTERIOR GOOSE NECK LIGHT FIXTURE - SEE 'E' DRAWINGS
S	INDICATES SMOKE DETECTOR - SEE 'FA' DRAWINGS
	INDICATES HEAT DETECTOR - SEE 'FA' DRAWINGS
CO	INDICATES CARBON MONOXIDE DETECTOR - SEE 'FA' DRAWINGS
	INDICATES FIRE ALARM STROBE DETECTOR - SEE 'FA' DRAWINGS
	INDICATES STROBE FIRE ALARM HORN - SEE 'FA' DRAWINGS
	INDICATES 12X12 AT-EXHAUST GRILL - SEE 'M' DRAWINGS
	INDICATES 24X24 ROUND NECK SUPPLY DIFFUSER - SEE 'M' DRAWINGS
	INDICATES FIRE SPRINKLER HEAD - SEE 'FP' DWGS
	INDICATES UPRIGHT SPRINKLER TYPE - SEE 'FP' DWGS
	INDICATES HORIZONTAL SIDE WALL SPRINKLER TYPE - SEE 'FP' DWGS
VS	INDICATES VACANCY SENSOR - SEE 'E' DRAWINGS
RC	INDICATES ROOM CONTROLLER POWER PACK - SEE 'E' DRAWINGS
	INDICATES EXIT LIGHTING - SEE 'E' DRAWINGS

NOTE:
REFER TO SHEET A2 120B FOR GENERAL RCP NOTES.

1 Partial First Floor RCP
SCALE: 3/16" = 1'-0"



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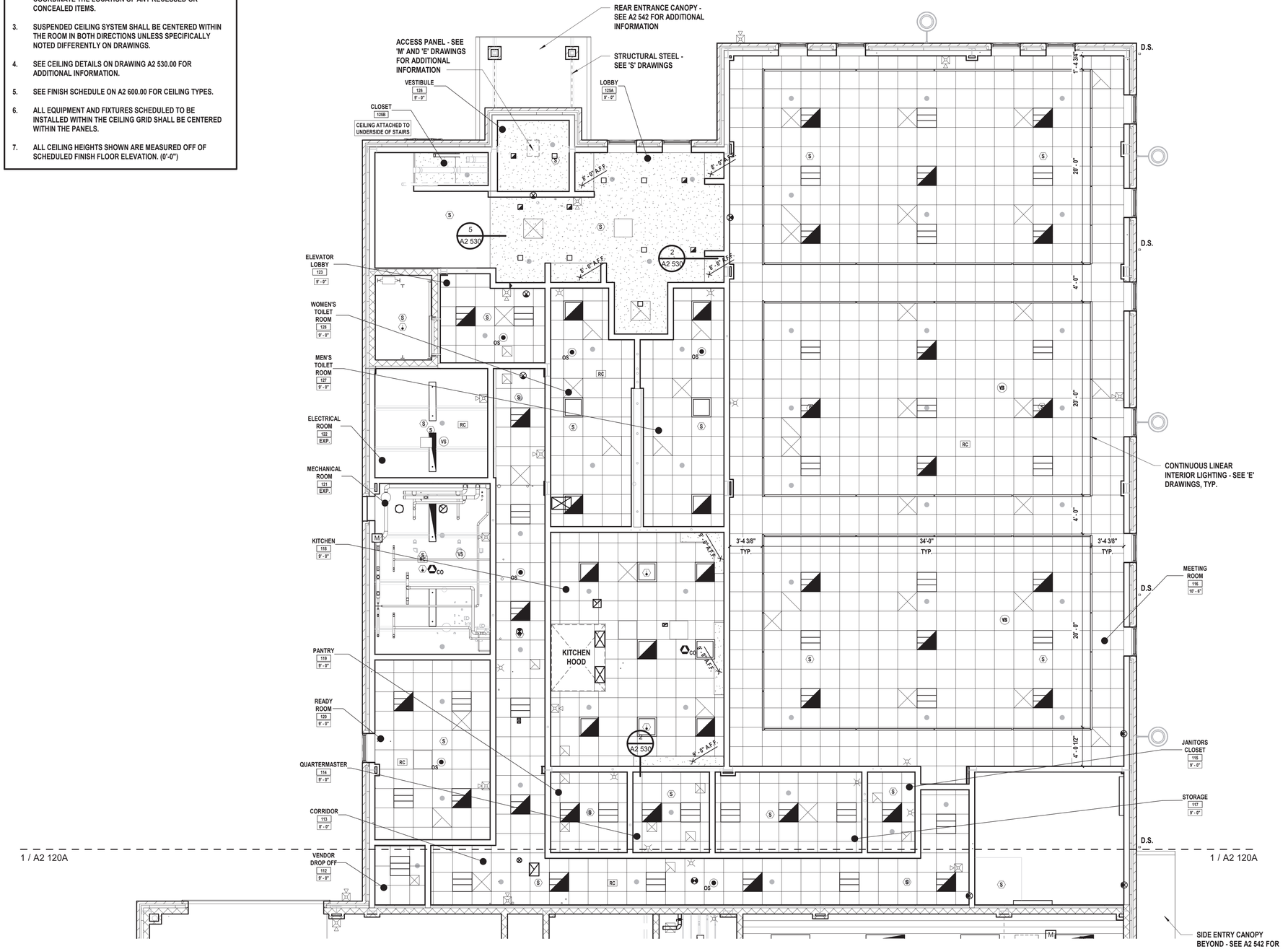
SHEET TITLE
ARCHITECTURE
REFLECTED CEILING PLAN PARTIAL FIRST FLOOR
NEW FIRE STATION
PHASE 2

DRAWING No.
A2 120A.00

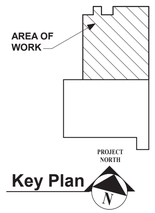
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REFLECTED CEILING PLAN NOTES

1. CONTRACTOR IS TO COORDINATE ALL THE WORK REQUIRED ON THIS DRAWING WITH ALL ARCHITECTURAL, STRUCTURAL, MEP DRAWINGS AND SPECIFICATIONS.
2. CONTRACTOR IS TO ACCOMODATE THE CONSTRUCTION TO ACCEPT ALL PIPING, CONDUITS, EQUIPMENT, ETC., EITHER SPECIFIED OR DETAILED TO BE RECESSED OR CONCEALED IN MASONRY WALLS AS REQUIRED BY THIS CONTRACT. COORDINATE THE LOCATION OF ANY RECESSED OR CONCEALED ITEMS.
3. SUSPENDED CEILING SYSTEM SHALL BE CENTERED WITHIN THE ROOM IN BOTH DIRECTIONS UNLESS SPECIFICALLY NOTED DIFFERENTLY ON DRAWINGS.
4. SEE CEILING DETAILS ON DRAWING A2 530.00 FOR ADDITIONAL INFORMATION.
5. SEE FINISH SCHEDULE ON A2 600.00 FOR CEILING TYPES.
6. ALL EQUIPMENT AND FIXTURES SCHEDULED TO BE INSTALLED WITHIN THE CEILING GRID SHALL BE CENTERED WITHIN THE PANELS.
7. ALL CEILING HEIGHTS SHOWN ARE MEASURED OFF OF SCHEDULED FINISH FLOOR ELEVATION. (0'-0")



1 Partial First Floor RCP
SCALE: 3/16" = 1'-0"



Key Plan

RCP LEGEND

OFFICE — INDICATES ROOM NAME
10001A — INDICATES ROOM NUMBER DESIGNATION
12'-0" — INDICATES CEILING HEIGHT

EXP.	INDICATES AREAS OF EXPOSED CEILINGS
1'-0" A.F.F.	INDICATES HEIGHT OF SOFFITS
	INDICATES ACOUSTICAL PANEL AND GRID SYSTEM
	INDICATES METAL PANEL CEILING SYSTEM OR EXTERIOR VENTED ALUMINUM SOFFIT
	INDICATES GYPSUM BOARD CEILING
	INDICATES 2X2 RECESSED LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES 2X2 RECESSED LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES 2X2 RECESSED EMERGENCY LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES CEILING HUNG PENDENT LIGHT FIXTURE / EMERGENCY LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES 1x4 LINEAR SURFACE LIGHT FIXTURE - SEE 'E' DRAWINGS
	INDICATES 1x2 LINEAR SURFACE LIGHT FIXTURE / EMERGENCY LIGHT FIXTURE- SEE 'E' DRAWINGS
	INDICATES EXTERIOR GOOSE NECK LIGHT FIXTURE - SEE 'E' DRAWINGS
S	INDICATES SMOKE DETECTOR - SEE 'FA' DRAWINGS
	INDICATES HEAT DETECTOR - SEE 'FA' DRAWINGS
CO	INDICATES CARBON MONOXIDE DETECTOR - SEE 'FA' DRAWINGS
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	INDICATES FIRE SPRINKLER HEAD - SEE 'FP' DWGS
	INDICATES UPRIGHT SPRINKLER TYPE - SEE 'FP' DWGS
	INDICATES HORIZONTAL SIDE WALL SPRINKLER TYPE - SEE 'FP' DWGS
VS	INDICATES VACANCY SENSOR - SEE 'E' DRAWINGS
RC	INDICATES ROOM CONTROLLER POWER PACK - SEE 'E' DRAWINGS
	INDICATES EXIT LIGHTING - SEE 'E' DRAWINGS

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
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CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT
VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

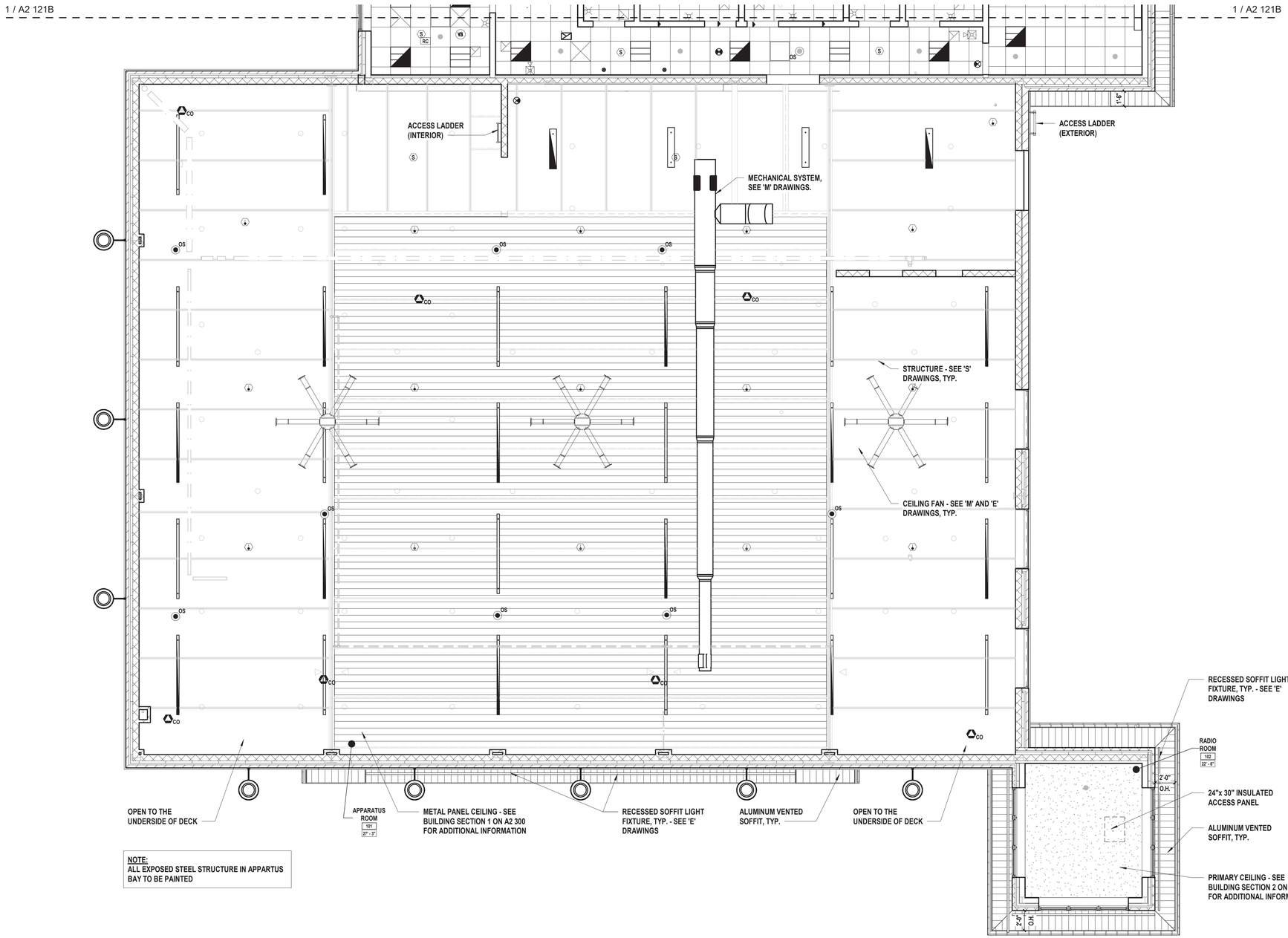
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GENERAL CONSTRUCTION

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
REFLECTED CEILING PLAN PARTIAL
FIRST FLOOR
NEW FIRE STATION
PHASE 2

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NOTE:
ALL EXPOSED STEEL STRUCTURE IN APPARTUS BAY TO BE PAINTED

RCP LEGEND

OFFICE / 10001A / 12'-0"	INDICATES ROOM NAME; INDICATES ROOM NUMBER DESIGNATION; INDICATES CEILING HEIGHT
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VS	INDICATES VACANCY SENSOR - SEE 'E' DRAWINGS
RC	INDICATES ROOM CONTROLLER POWER PACK - SEE 'E' DRAWINGS
	INDICATES EXIT LIGHTING - SEE 'E' DRAWINGS

NOTE:
REFER TO SHEET A2 120B FOR GENERAL RCP NOTES.

AREA OF WORK

Key Plan

PROJECT NORTH

1 Partial Second Floor RCP
SCALE: 3/16" = 1'-0"

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

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PROJECT No:	DATE:	SCALE:
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VAILS GATE FIRE DISTRICT

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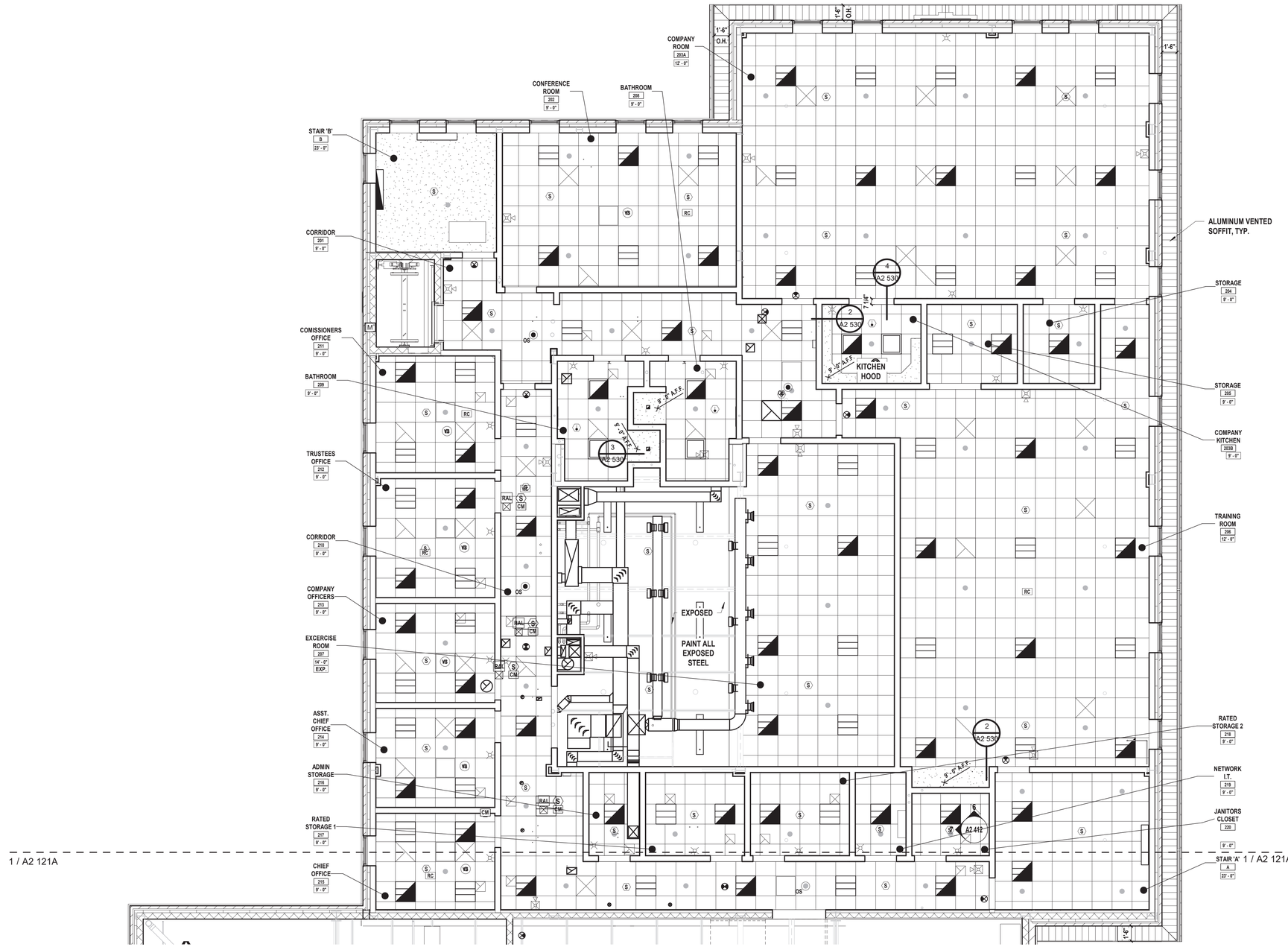
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STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
REFLECTED CEILING PLAN
MEZZANINE PLAN
NEW FIRE STATION
PHASE 2

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RCP LEGEND

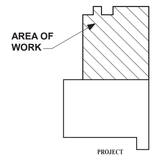
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INDICATES ROOM NUMBER DESIGNATION

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NOTE: REFER TO SHEET A2 120B FOR GENERAL RCP NOTES.

1 Partial Second Floor RCP
SCALE: 3/16" = 1'-0"



Key Plan

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
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CONSULTANTS:

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KEM	JHG		
PROJECT No:	DATE:	SCALE:	
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VAILS GATE FIRE DISTRICT

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New Fire Station (Phase II)

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New Windsor, NY 12553

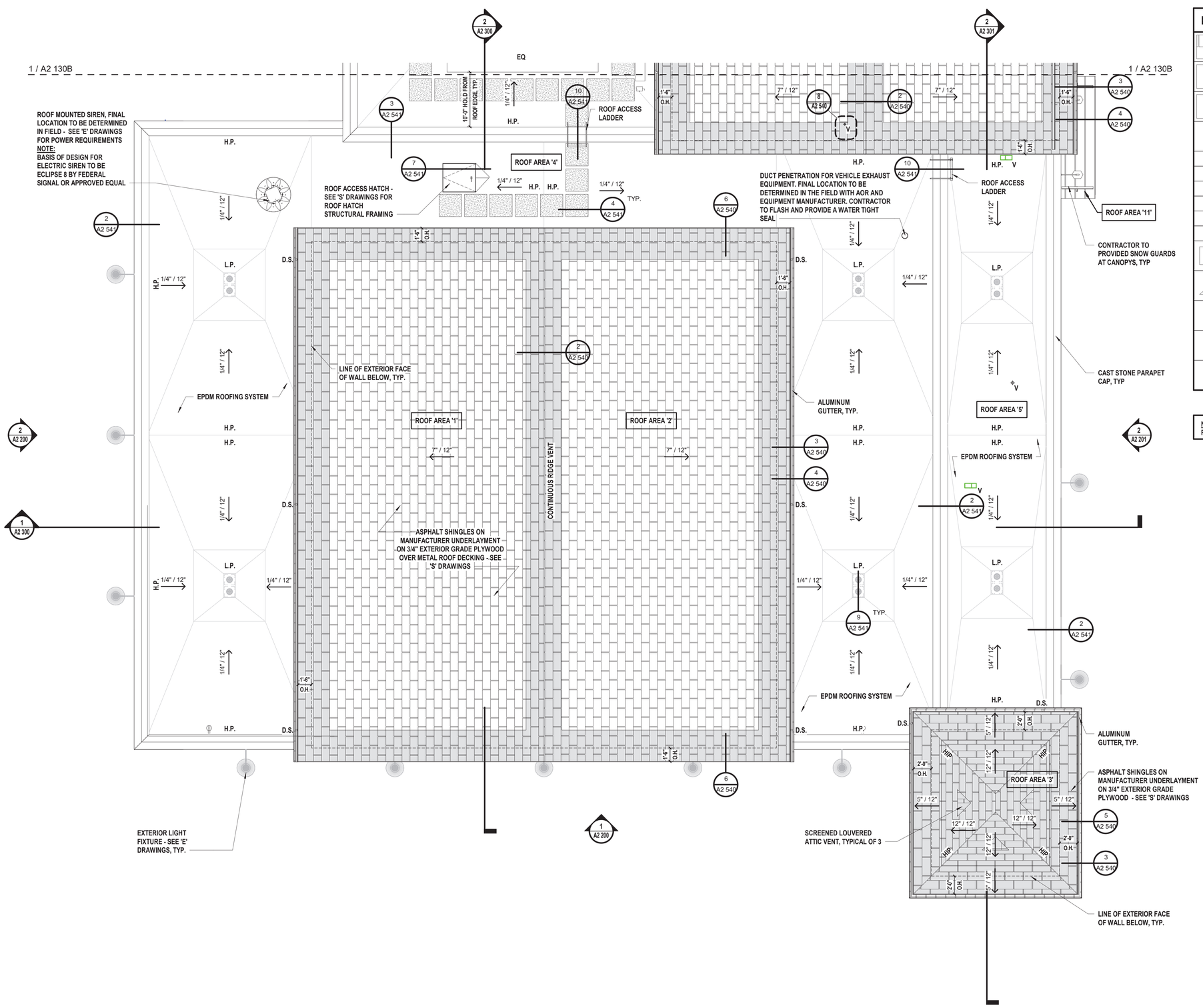
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STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
REFLECTED CEILING PLAN PARTIAL SECOND FLOOR
NEW FIRE STATION
PHASE 2

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ROOF PLAN LEGEND

	INDICATES AREA OF ASHPALT SHINGLE ROOFING SYSTEM
	INDICATES AREA OF FLEECEBACK EPDM ROOFING SYSTEM - PROVIDE MINIMUM 1/4":12" SLOPE TOWARDS ROOF DRAINS
	INDICATES AREA OF STANDING SEAM METAL ROOFING SYSTEM
	INDICATES AREA OF 2x2 WALKWAY PADS - CONTRACTOR TO VERIFY QUANITITY REQUIRED AND FINAL LOCATIONS WITH EQUIPMENT
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H.P.	INDICATES RELATIVE HIGH POINTS
X" : 12"	INDICATES SLOPE DIRECTION OF ROOF
D.S.	INDICATES DOWNSPOUT LOCATIONS
V	INDICATES VENT PENETRATIONS
	INDICATES LOCATION OF ROOF DRAINS WITH OVERFLOW DRAINS - SEE 'P' DRAWINGS FOR ADDITIONAL INFORMATION
	INDICATES LOCATION OF ROOF CRICKETS - PROVIDE MINIMUM 1/4":12" SLOPE TOWARDS ROOF DRAINS
	INDICATES LOCATION OF ROOF ACCESS HATCH
	INDICATES ICE AND WATER SHIELD
EQ	INDICATES ROOFTOP EQUIPMENT - SEE 'M' DRAWINGS

NOTE:
REFER TO SHEET A2 130B FOR GENERAL ROOF PLAN NOTES.

1 Partial Roof Plan
SCALE: 3/16" = 1'-0"

Key Plan
AREA OF WORK

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

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VAILS GATE FIRE DISTRICT

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New Fire Station (Phase II)

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New Windsor, NY 12553

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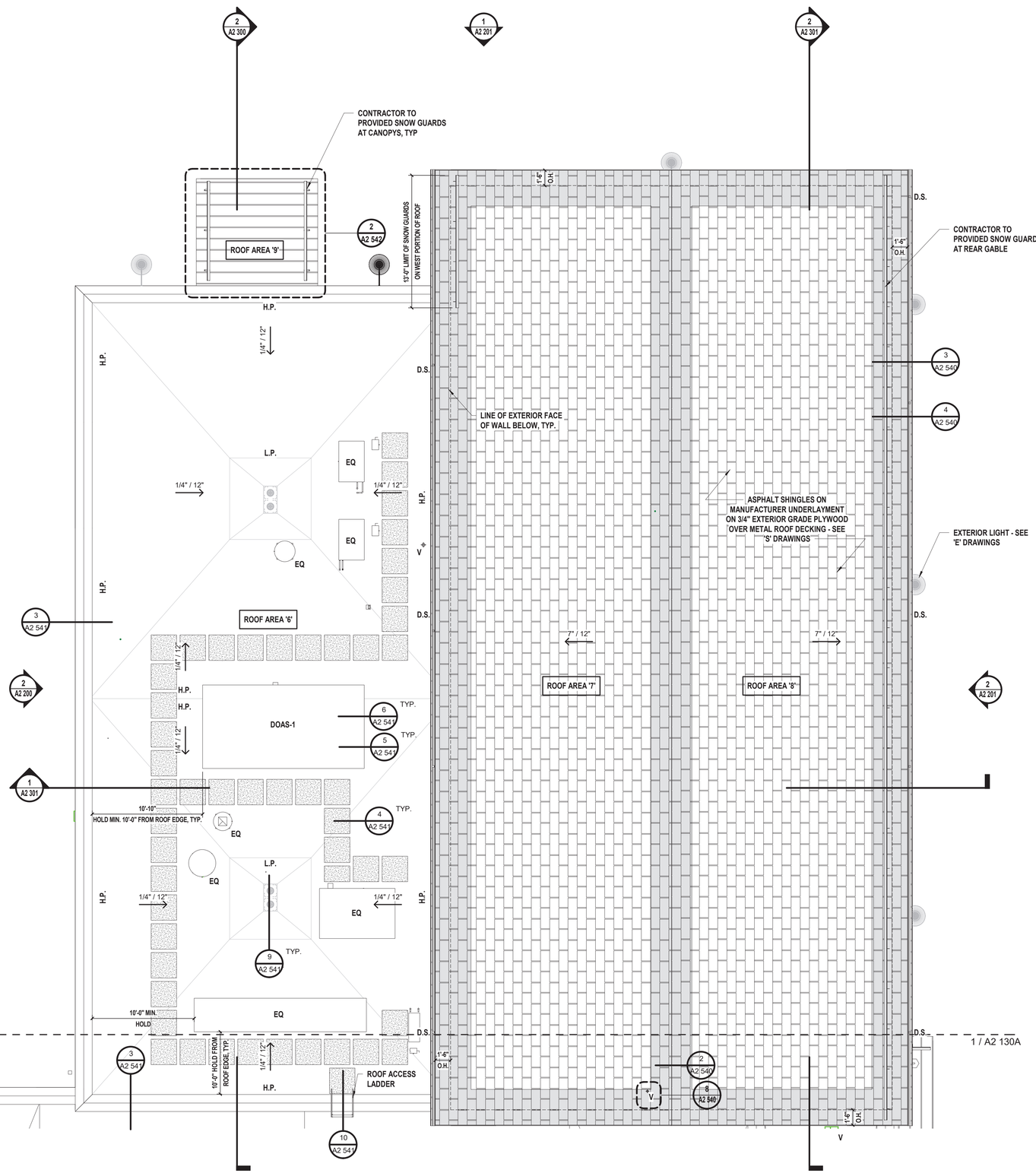
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PARTIAL ROOF PLAN
NEW FIRE STATION
PHASE 2

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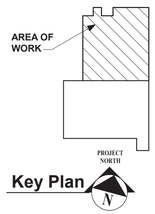
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GENERAL ROOF PLAN NOTES

1. THIS DRAWING SERVES AS PART OF THE GRAPHICAL REPRESENTATION OF THE INTENDED SCOPE OF THE WORK, AND CONSTITUTE ONE PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN ROOF DRAWINGS, ALL OTHER DRAWINGS AND THE SPECIFICATIONS.
2. ALL ROOFING MANUFACTURER REQUIREMENTS INCLUDING BUT NOT LIMITED TO PERTINENT PORTIONS OF THEIR SPECIFICATIONS, GENERAL REQUIREMENTS, DETAILS, AND RECOMMENDATIONS APPLY TO THIS WORK AS FULLY AS THOUGH PROVIDED HEREWITHIN IN ORDER TO PROVIDE A COMPLETE, WEATHER TIGHT AND WARRANTEED INSTALLATION.
3. THE INTENDED SCOPE OF THE WORK INCLUDES THREE NEW ROOFING SYSTEMS: THE COMPLETE INSTALLATION OF FLEECE BACK EPDM LOW SLOPE ROOF SYSTEM, STANDING SEAM METAL ROOF SYSTEM, AND AN ASPHALT SHINGLE SYSTEM AT MAIN ROOF, INCLUDING BUT NOT LIMITED TO ALL UNDERLAYMENTS, SHALL EXTEND THE FULL LENGTH ALONG ADJOINING VERTICAL SURFACES AS RECOMMENDED BY THE MANUFACTURER AND AS INDICATED ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS, LABOR, ROOFING ITEMS AND ACCESSORIES (REQUIRED FOR A COMPLETE AND FIRST-CLASS INSTALLATION) WHETHER OR NOT THEY ARE SPECIFICALLY INDICATED WITHIN THE CONTRACT DOCUMENTS.
4. ROOF ELEVATIONS, DIMENSIONS, AND LOCATIONS OF ROOF ELEMENTS INCLUDING BUT NOT LIMITED TO VENTS, AND FANS ARE APPROXIMATE. DO NOT SCALE. CONTRACTOR MUST VERIFY ALL IN FIELD AND MAKE ADJUSTMENTS TO WORK AS NECESSARY.
5. COORDINATE THE WORK REQUIRED ON THIS DRAWING WITH ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS.
6. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE FOR ALL PORTIONS OF THE ROOF, THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
7. PROVIDE MINIMUM ROOF PITCH AS INDICATED ON PLANS.
8. ALL VENTS SHALL TERMINATE A MINIMUM OF 18" ABOVE THE ROOF, TYPICAL.
9. ROOFS AND ROOF COVERINGS SHALL BE OF MATERIALS THAT ARE COMPATIBLE WITH EACH OTHER AND WITH THE CONSTRUCTION TO WHICH THEY ARE APPLIED.
10. ROOF COVERING MATERIALS SHALL BE DELIVERED IN PACKAGES BEARING THE MANUFACTURER'S IDENTIFYING MARKS AND APPROVED TESTING AGENCY LABELS, AS PER BCNYS 2020.
11. PROVIDE SPLASH BLOCK WHERE DOWN SPOUTS MEET FLAT ROOF AREAS.
12. COORDINATE AND VERIFY EXACT LOCATIONS OF PENETRATIONS TO BE MADE IN ALL ROOFS AND ROOF ASSEMBLIES.
13. CONTRACTOR SHALL REVIEW, COORDINATE, AND INSTALL SLEEVES AND LOCATE ALL MECHANICAL PENETRATIONS REQUIRED TO ACCOMODATE ALL WORK DETAILED OR SPECIFIED.
14. CONTRACTOR IS RESPONSIBLE TO MAKE AND PROPERLY FLASH ALL ROOF PENETRATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL FLASHING FOR ALL ROOF PENETRATIONS IN ACCORDANCE WITH ROOFING MANUFACTURER'S WARRANT REQUIREMENTS AND SPECIFICATIONS U.N.O.
15. CONTRACTOR SHALL PROVIDE ALL TEMPORARY ROOF FLASHING WORK AS REQUIRED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN A WEATHER TIGHT ROOF AT ALL TIMES.
16. PROVIDE CIRCKETS BEHIND ALL ROOFING ITEMS TO PROVIDE PITCH AND PREVENT PONDING. MODIFY AREAS OF WORK AS NECESSARY TO KEEP POSITIVE DRAINAGE.
17. CONTRACTOR SHALL FURNISH AND INSTALL CURBS FOR ALL MECHANICAL EQUIPMENT TO BE INSTALLED ON THE ROOF.
18. ROOFING INSTALLATION SHALL SHALL INCLUDE PROVIDING ALL PENETRATIONS FOR ALL ITEMS NECESSARY WHETHER SHOWN OR NOT, AND SHALL ALSO INCLUDE TERMINATIONS AND FLASHING AS REQUIRED TO PROVIDE WARRANTEED SYSTEMS IN ACCORDANCE WITH THE SPECIFIED WARRANTY REQUIREMENTS.
19. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES TO THE INTERIOR AND EXTERIOR OF THE BUILDING THAT RESULTED FROM AND DURING ROOFING INSTALLATION, UNCLUDING BUT NOT LIMITED TO, ADHESIVE DRIPPINGS, WATER LEAKS, ETC.
20. PROVIDE ICE AND WATER SHIELD AT ALL ROOF EAVES, EXTENDING FROM LOWEST EDGE OF ROOF SURFACE TO A POINT 24" FROM THE INSIDE FACE OF THE EXTERIOR WALL.
21. ROOFING TAPER AT FLAT ROOF AREAS ON PLANS IS APPROXIMATE. CONTRACTOR SHALL COORDINATE ACTUAL TAPER WITH ROOFING MANUFACTURER AND PROVIDE SHOP DRAWINGS SUBMITTAL TO ARCHITECT FOR REVIEW. CONTRACTOR TO COORDINATE INSULATION WITH ROOFING DETAILS. PROVIDE A MINIMUM OF R-30 INSULATION. ROOF PITCH MUST BE INDICATED AND PROVIDE POSITIVE ROOF DRAINAGE AT 1/4" PER FOOT MINIMUM TO DRAINS.



1 Partial Roof Plan
SCALE: 3/16" = 1'-0"



Key Plan

ROOF PLAN LEGEND

	INDICATES AREA OF ASHPALT SHINGLE ROOFING SYSTEM
	INDICATES AREA OF FLEECEBACK EPDM ROOFING SYSTEM - PROVIDE MINIMUM 1/4":12" SLOPE TOWARDS ROOF DRAINS
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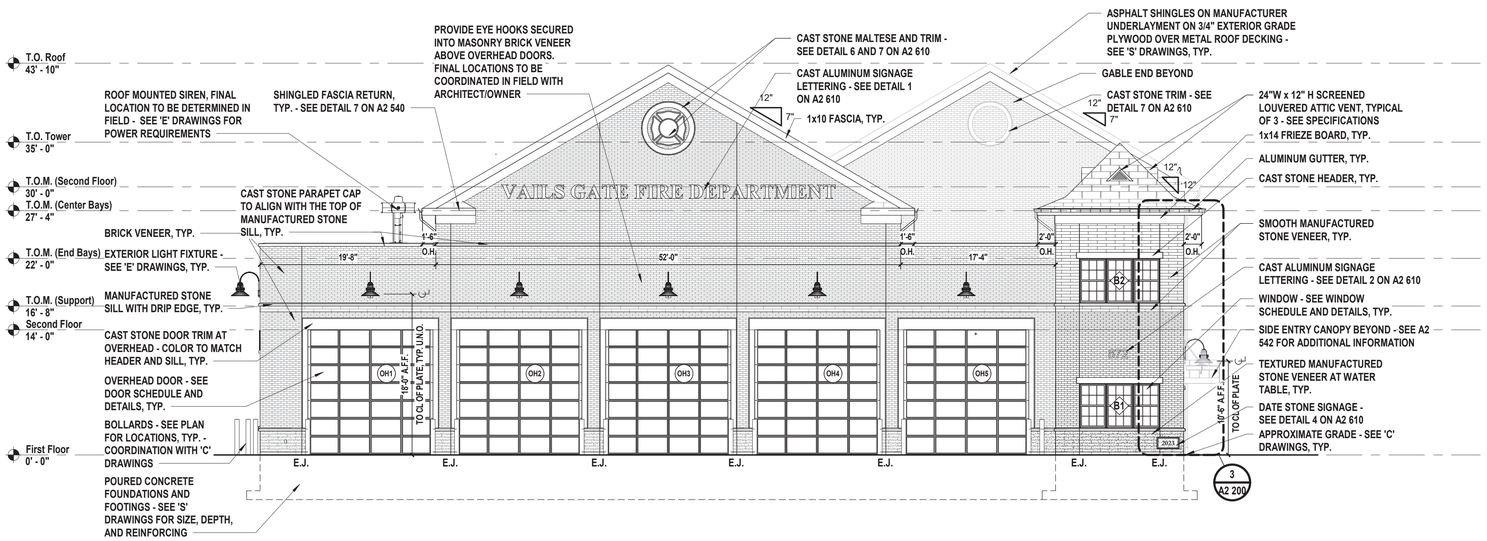
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NEW FIRE STATION
PHASE 2

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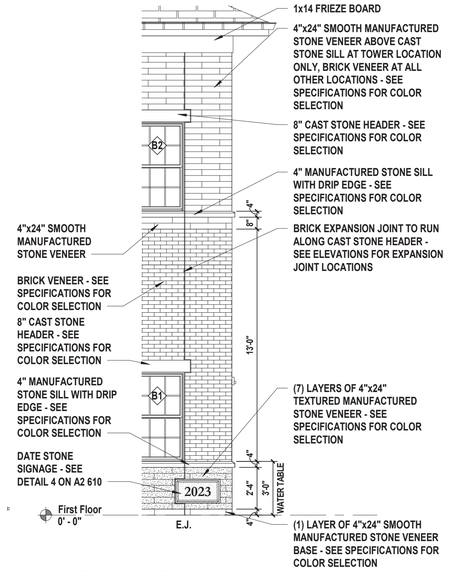


1 South Elevation

SCALE: 1/8" = 1'-0"

GENERAL ELEVATION NOTES

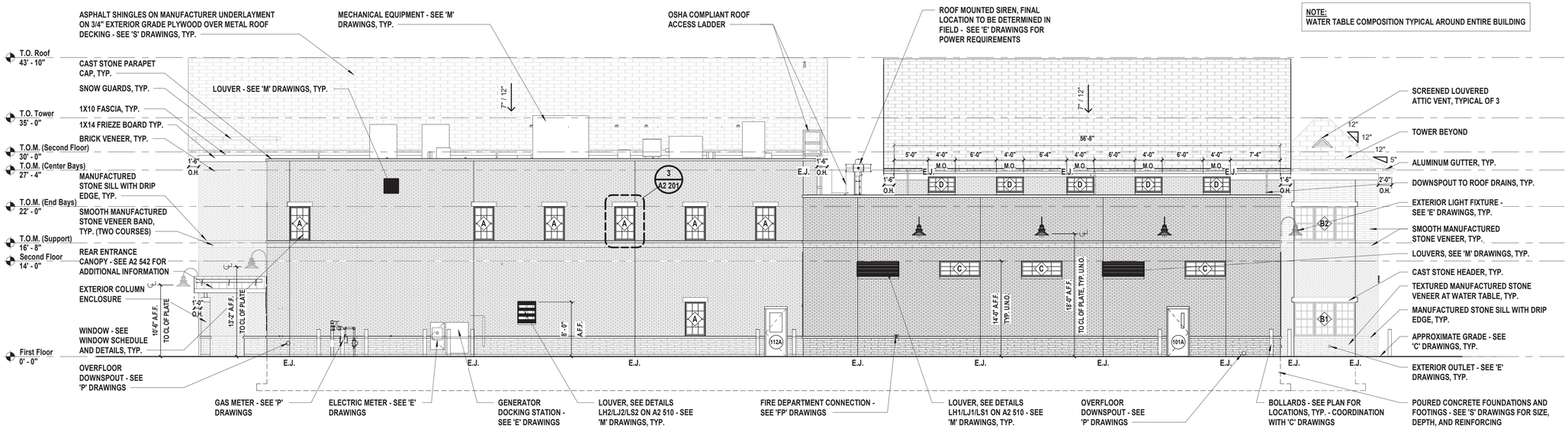
1. COORDINATE THE WORK INDICATED HERE WITH ALL CONTRACT DOCUMENTS AND SPECIFICATIONS.
2. ALL PAINTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN SECTION 099000 OF THE PROJECT MANUAL.
3. FOOTING AND FOUNDATION DEPTHS, SIZES, ETC. PROVIDED IN ELEVATIONS ARE FOR DIAGRAMMATIC PURPOSES ONLY. SEE 'S' DRAWINGS FOR ACTUAL INFORMATION.
4. CONTRACTOR TO PROVIDE WEATHER RESISTANT REQUIRED PIPE PENETRATIONS, INCLUDING BUT NOT LIMITED TO WALL HYDRANTS, HOSES BIBS, AND ELECTRICAL CONDUITS THROUGH EXTERIOR WALLS. COORDINATE ALL LOCATIONS WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.
5. CONTRACTOR TO PROVIDE STAINLESS STEEL HOOKS FOR BUNTING AS PER SPECIFICATION SECTION 055000 OVER OVERHEAD DOORS. LOCATIONS TO BE COORDINATED IN THE FIELD WITH OWNER AND ARCHITECT.



3 Enlarged Elevation at Tower

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

NOTE:
WATER TABLE COMPOSITION TYPICAL AROUND ENTIRE BUILDING



2 West Elevation

SCALE: 1/8" = 1'-0"

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Melville, NY 11747
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CONSULTANTS:

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KEM	JHG		

PROJECT No:	DATE:	SCALE:
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VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ARCHITECTURE
EXTERIOR BUILDING ELEVATIONS
NEW FIRE STATION
PHASE 2

DRAWING No.

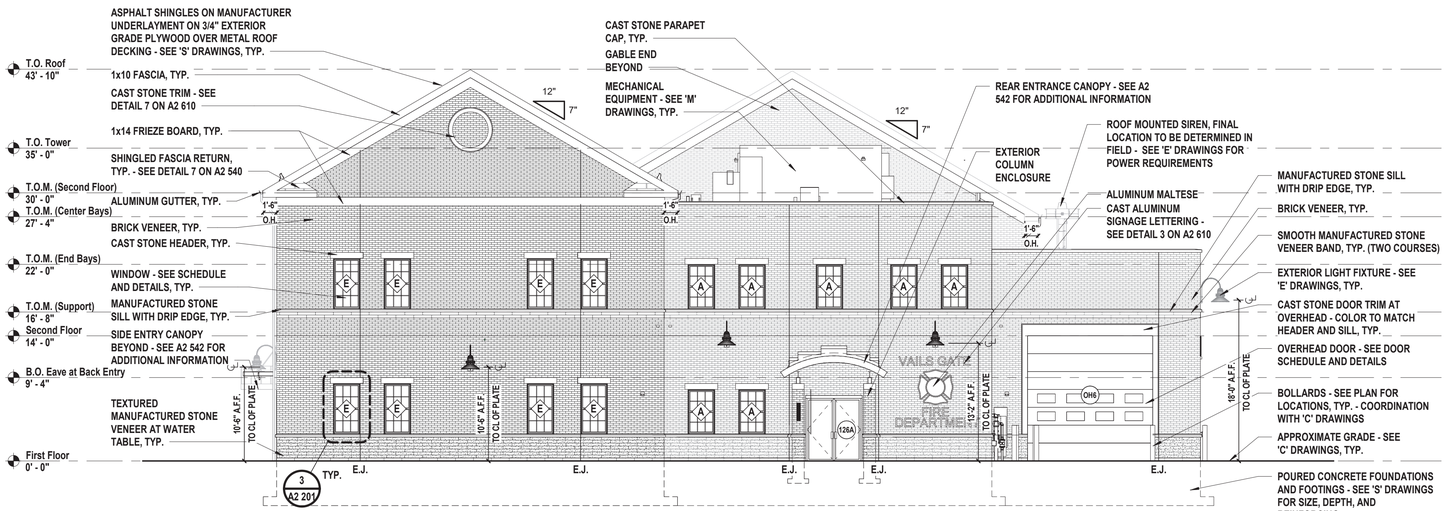
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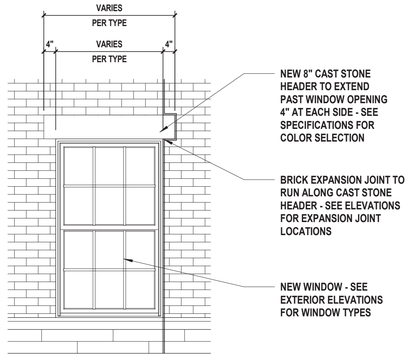
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GENERAL ELEVATION NOTES

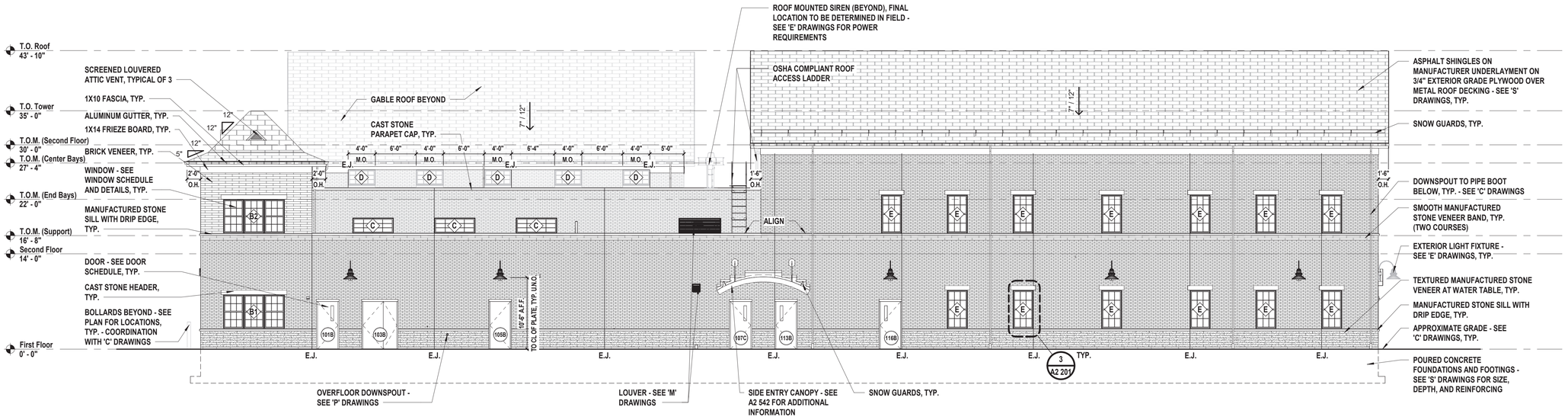
1. COORDINATE THE WORK INDICATED HERE WITH ALL CONTRACT DOCUMENTS AND SPECIFICATIONS.
2. ALL PAINTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN SECTION 099000 OF THE PROJECT MANUAL.
3. FOOTING AND FOUNDATION DEPTHS, SIZES, ETC. PROVIDED IN ELEVATIONS ARE FOR DIAGRAMMATIC PURPOSES ONLY. SEE 'S' DRAWINGS FOR ACTUAL INFORMATION.
4. CONTRACTOR TO PROVIDE WEATHER RESISTANT REQUIRED PIPE PENETRATIONS, INCLUDING BUT NOT LIMITED TO WALL HYDRANTS, HOSES BIBS, AND ELECTRICAL CONDUITS THROUGH EXTERIOR WALLS. COORDINATE ALL LOCATIONS WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.
5. CONTRACTOR TO PROVIDE STAINLESS STEEL HOOKS FOR BUNTING AS PER SPECIFICATION SECTION 055000 OVER OVERHEAD DOORS. LOCATIONS TO BE COORDINATED IN THE FIELD WITH OWNER AND ARCHITECT.



1 North Elevation
SCALE: 1/8" = 1'-0"



3 Typical Window Header
SCALE: 1/2" = 1'-0"



2 East Elevation
SCALE: 1/8" = 1'-0"

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New Windsor, NY 12553

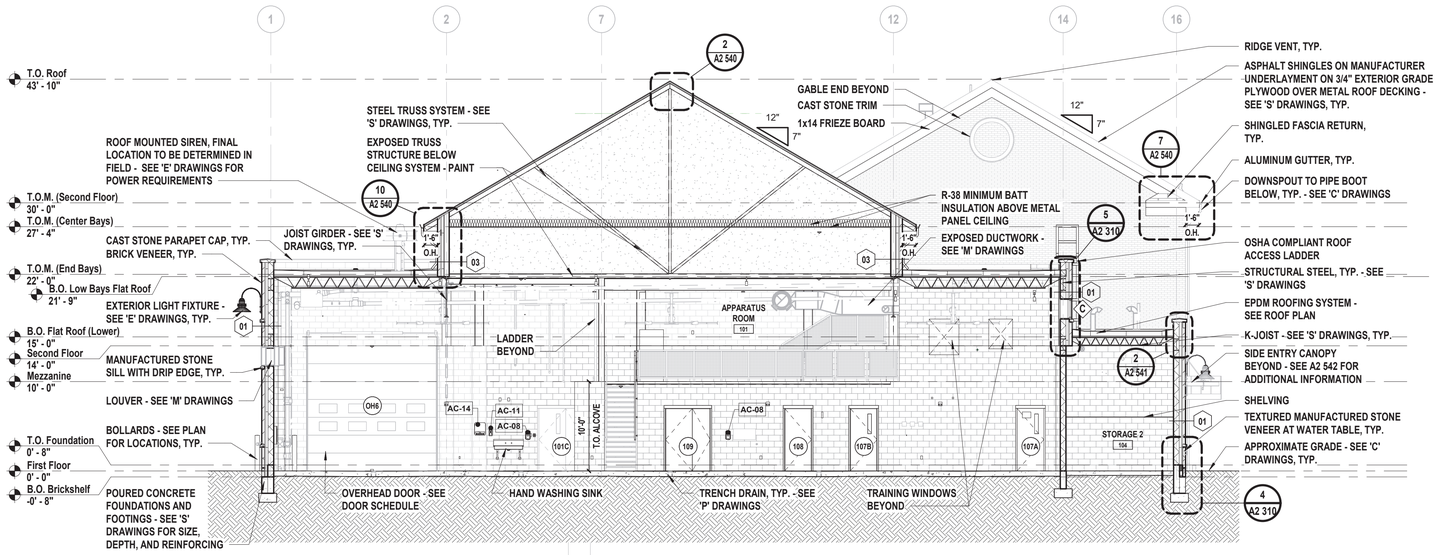
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CONTRACT G
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STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
EXTERIOR BUILDING ELEVATIONS
NEW FIRE STATION
PHASE 2

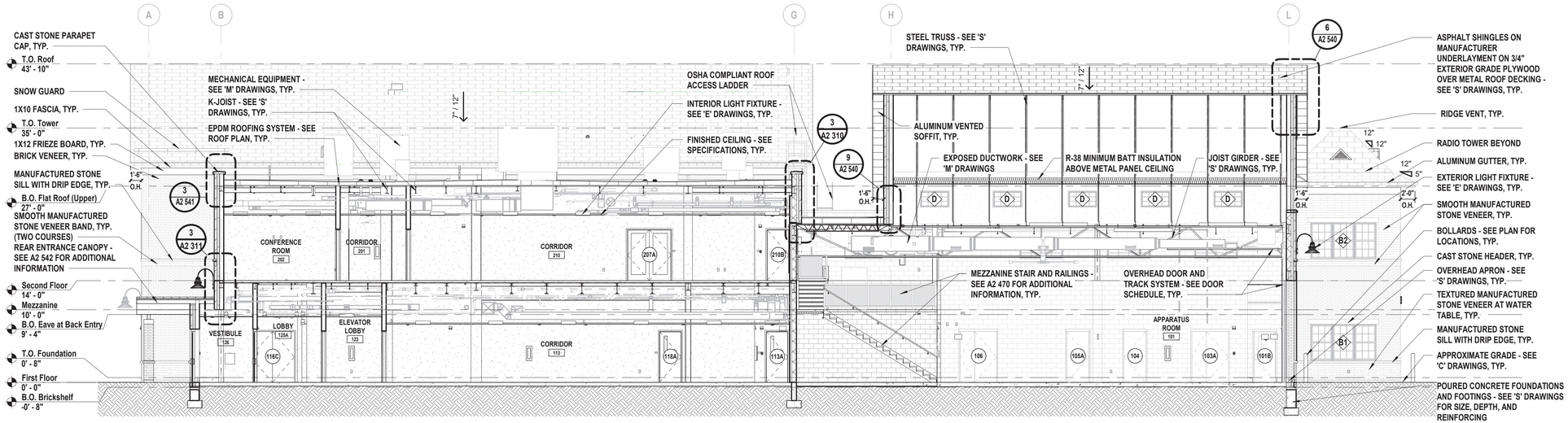
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1 Building Section

SCALE: 1/8" = 1'-0"



2 Building Section

SCALE: 1/8" = 1'-0"

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VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
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CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

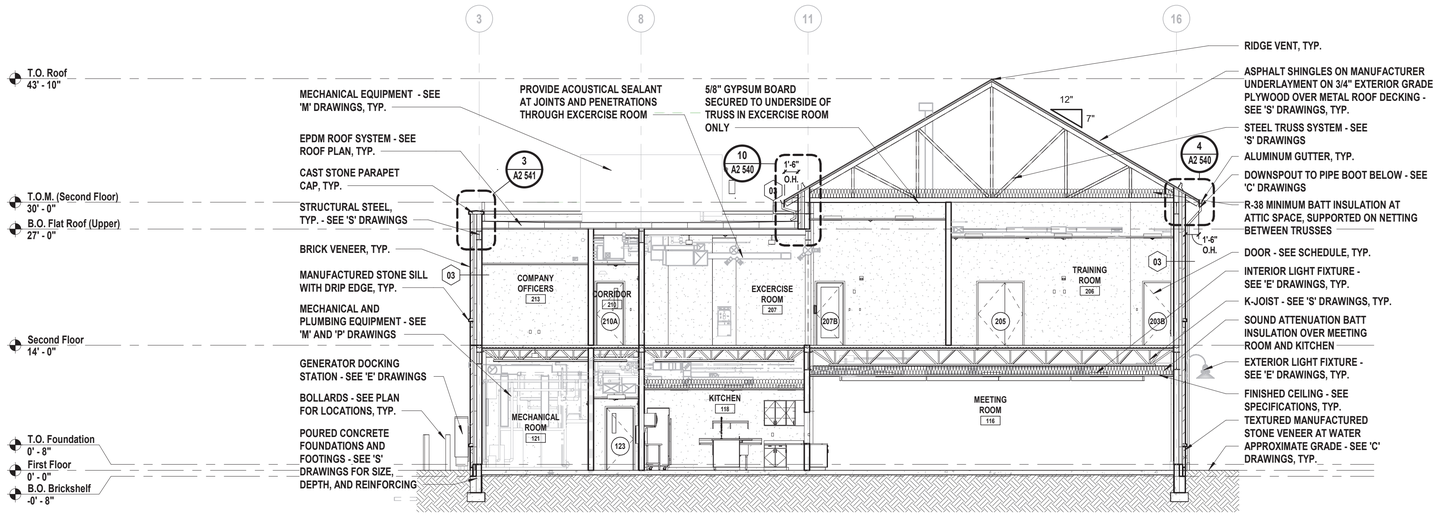
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SHEET TITLE

ARCHITECTURE
BUILDING SECTIONS
NEW FIRE STATION
PHASE 2

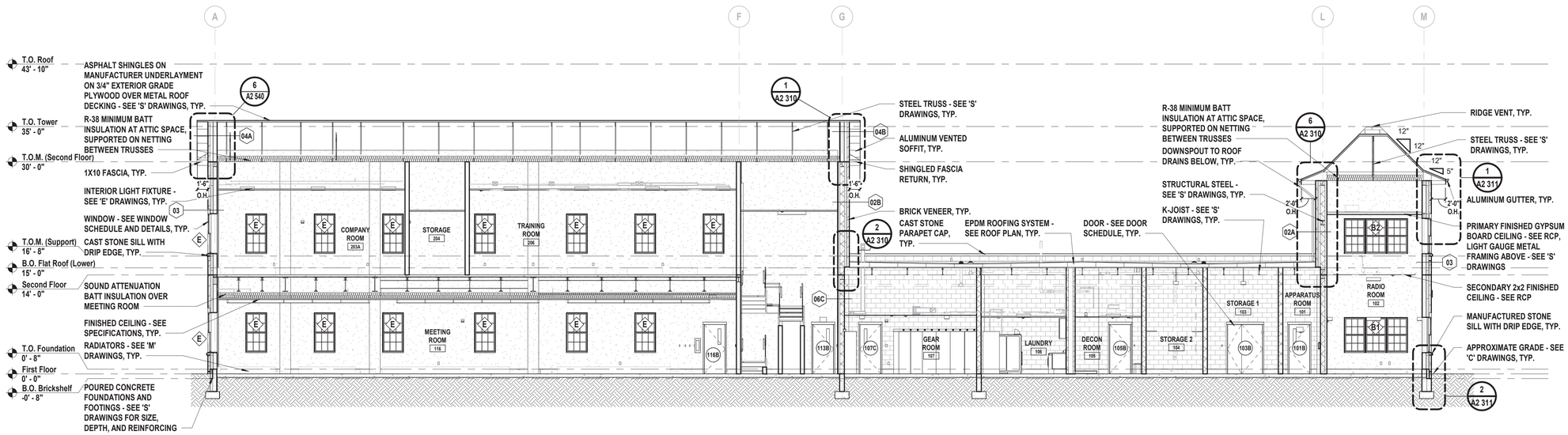
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A2 300.00



1 Building Section

SCALE: 1/8" = 1'-0"



2 Building Section

SCALE: 1/8" = 1'-0"

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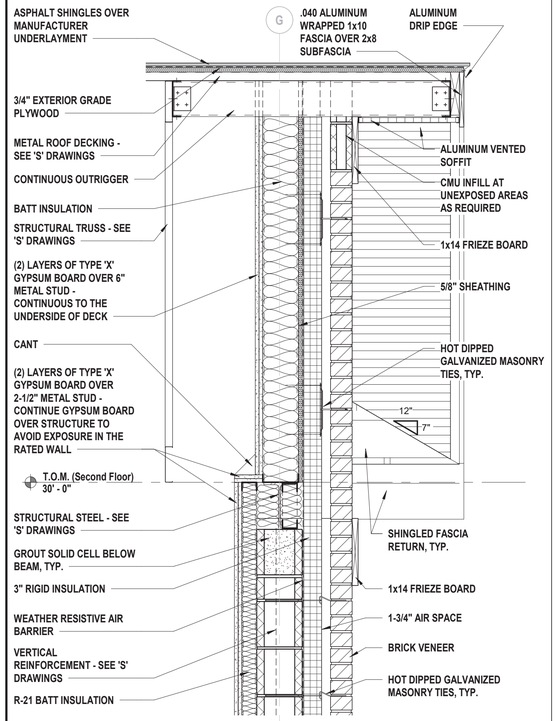
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ARCHITECTURE
BUILDING SECTIONS
NEW FIRE STATION
PHASE 2

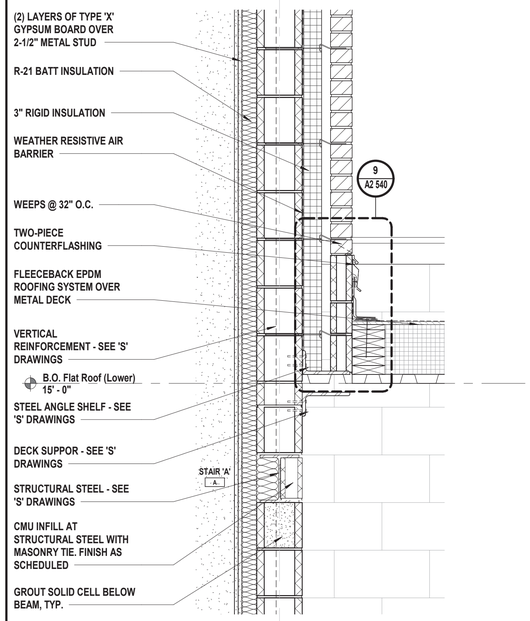
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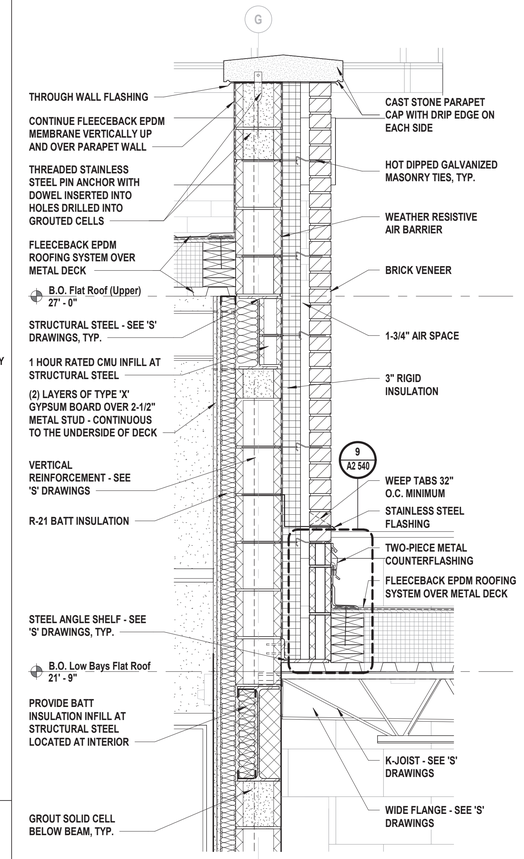
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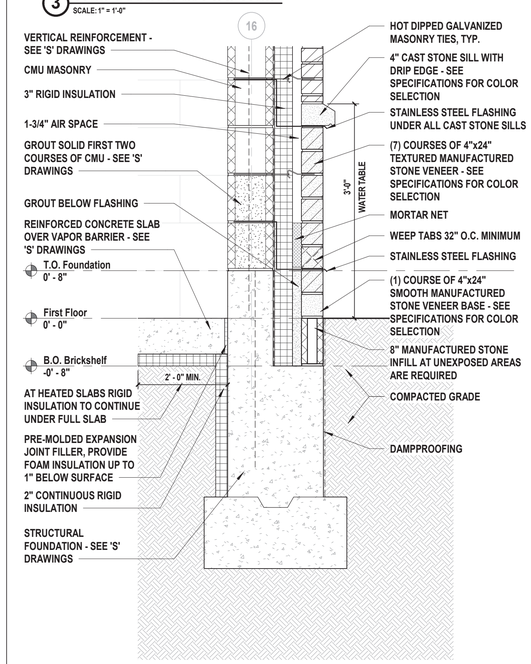
1 Wall Section at F.R. Gable
SCALE: 1" = 1'-0"



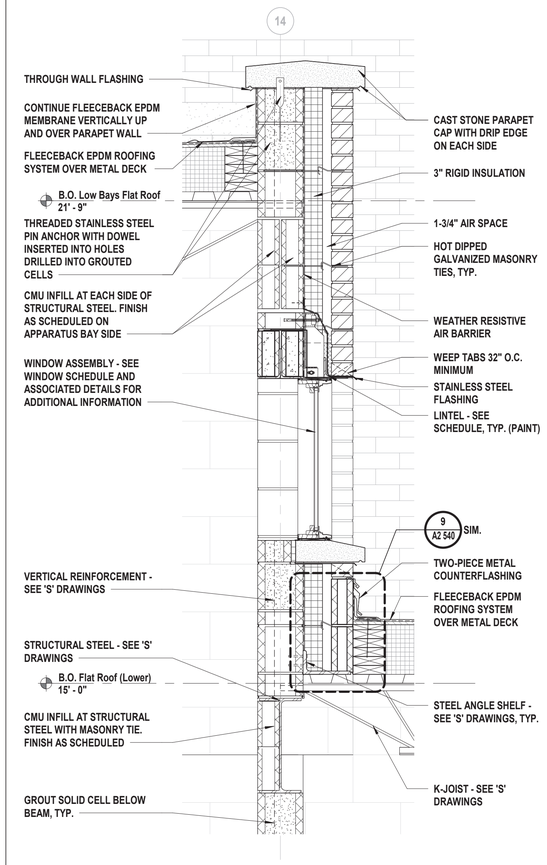
2 Wall Section at F.R. Wall
SCALE: 1" = 1'-0"



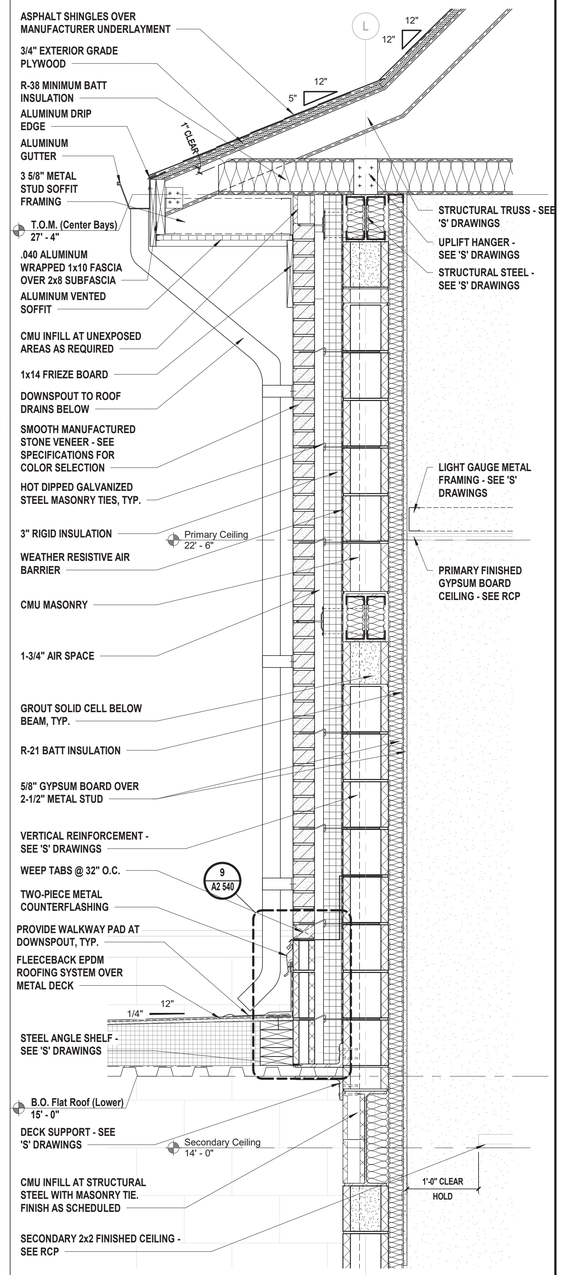
3 Wall Section at F.R. Wall
SCALE: 1" = 1'-0"



4 Typical Foundation Detail at Masonry Wall
SCALE: 1" = 1'-0"



5 Wall Section
SCALE: 1" = 1'-0"



6 Wall Section at Tower Masonry Wall
SCALE: 1" = 1'-0"

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VAILS GATE FIRE DISTRICT

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New Fire Station (Phase II)

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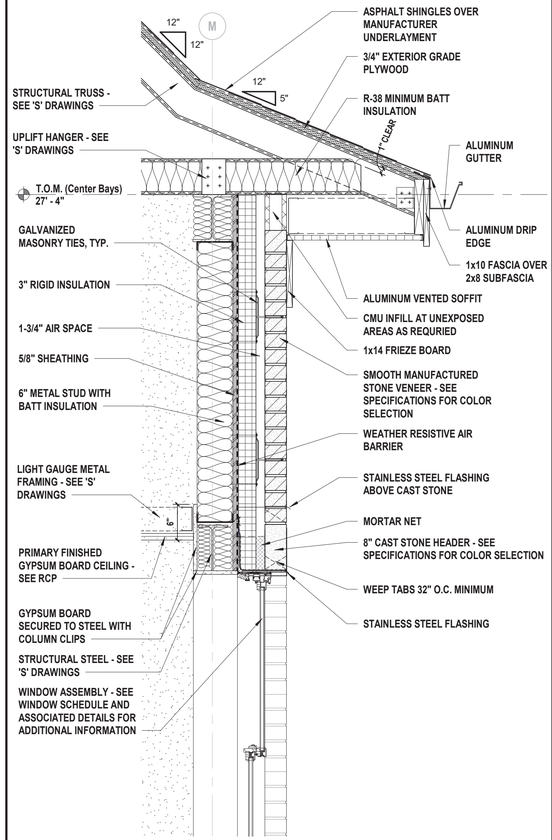
CONTRACT
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GENERAL CONSTRUCTION

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SHEET TITLE
ARCHITECTURE
MASONRY WALL SECTIONS AND DETAILS
NEW FIRE STATION
PHASE 2

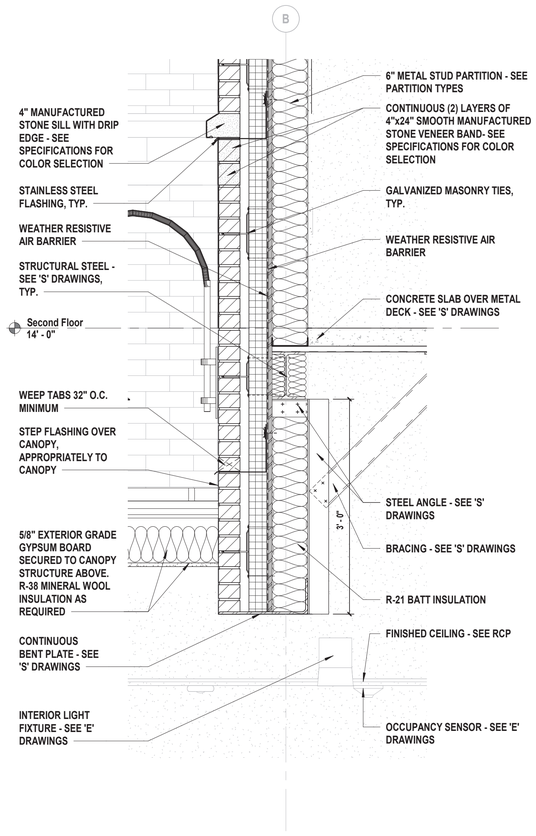
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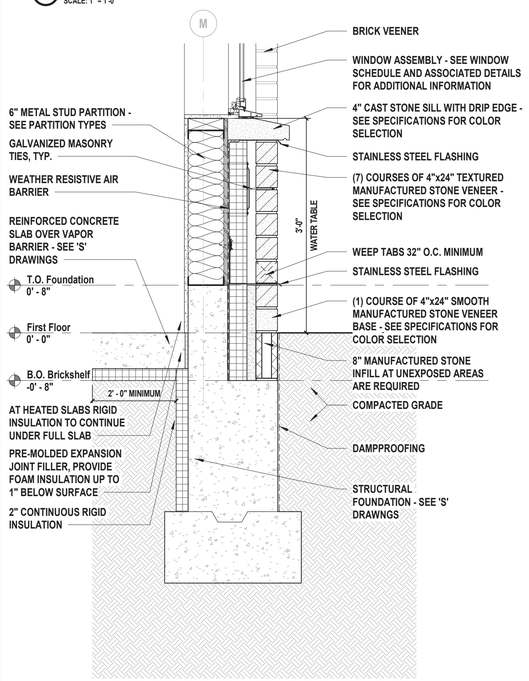
1 Wall Section at Tower Metal Stud Wall

SCALE: 1" = 1'-0"



3 Wall Section at Rear Entry

SCALE: 1" = 1'-0"



2 Typical Foundation Detail at Metal Stud Wall

SCALE: 1" = 1'-0"

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CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ARCHITECTURE
METAL STUD WALL SECTIONS AND DETAILS
NEW FIRE STATION
PHASE 2

DRAWING No.

A2 311.00

GENERAL RESTROOM NOTES

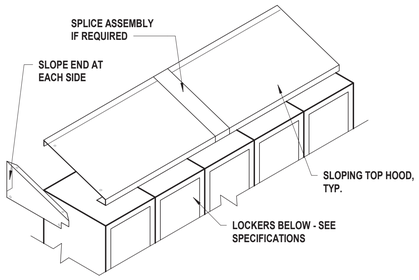
1. ALL PAINTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN DIVISION 9 OF THE SPECIFICATIONS.
2. THIS DRAWING SERVES AS A GENERAL LIST OF FINISH ITEMS AND IS NOT A LIST OF ALL FINISH ITEMS WITHIN A ROOM OR SPACE. REFER TO ALL CONTRACT DRAWINGS AND SPECIFICATIONS TO DETERMINE ALL REQUIRED FINISHES AND FINISH ITEMS.
3. MAINTAIN SAME FINISHES AT ALL WALLS WITHIN RESTROOMS.
4. MOUNTING LOCATIONS OF RESTROOM FIXTURES TO BE REVIEWED AND APPROVED IN FIELD BY OWNER'S CONSTRUCTION REPRESENTATIVE.
5. SEE 'P' DRAWINGS FOR COORDINATION OF PLUMBING FIXTURES.
6. INSTALL METAL EDGE DRIP WHERE WALL TILE TRANSITIONS TO DIFFERENT FINISH.
7. SEE FINISH SCHEDULE ONA2 600 FOR ALL FINISHES.
8. ALL WALL TILE SHALL BE ONE (1) FULL TILE ABOVE THE CEILING (U.N.O.). COORDINATE WITH CEILING INSTALLER. (ADD ALTERNATE #4)

GENERAL ACCESSORY NOTES

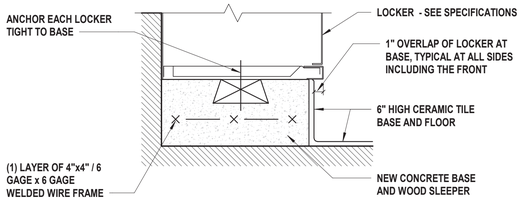
1. ACCESSORIES PROVIDED IN THE TOILET ACCESSORY SCHEDULE REPRESENT THOSE TO BE INCLUDED IN ALL FINISHED SPACES.
2. PROVIDED SOLID BLOCKING IN WALLS FOR ALL TOILET ACCESSORIES.
3. CONTRACTOR MUST SUBMIT SHOP DRAWINGS OF LOCATIONS AND MOUNTING HEIGHTS OF ALL ACCESSORIES TO ARCHITECT FOR APPROVAL.
4. ALL WATER CLOSETS SHALL BE MOUNTED AT A MINIMUM OF 18" ON CENTER FROM FINISHED FACE OF ADJACENT WALLS AND/OR PARTITIONS.
5. ALL LAVATORIES SHALL BE MOUNTED AT A MINIMUM OF 15" ON CENTER FROM FINISHED FACE OF ADJACENT WALLS AND/OR PARTITIONS.
6. ALL URINALS SHALL BE MOUNTED A MINIMUM OF 15" ON CENTER FROM FINISHED FACE OF ADJACENT WALLS AND/OR PARTITIONS.
7. FOR ADDITIONAL INFORMATION, REFER TO MOUNTING HEIGHTS FOR TOILET ACCESSORIES, ON SHEET G 003 - G 006.
8. FOR ADDITIONAL INFORMATION, REFER TO PROJECT SPECIFICATIONS, SECTION 10 28 00.
9. PROVIDE ONE (1) URINAL AT ACCESSIBLE HEIGHT.

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	COMMENTS
AC-01	18" Accessible Grab Bar (Vertical)	
AC-02	36" Accessible Grab Bar (Horizontal)	
AC-03	42" Accessible Grab Bar (Horizontal)	
AC-04	Horizontal Two-Wall Bar for Shower Stall	
AC-05	Surface-Mounted Toilet Tissue Dispenser	
AC-06	Seat Cover Dispenser	
AC-07	Surface-Mounted Napkin Disposal	
AC-08	Automated Touchless Sanitizer Dispenser	
AC-09	24x36 Angle-Frame Mirror (ADA Compliant)	
AC-10	60x36 Angle-Frame Mirror (ADA Compliant)	
AC-11	Surface-Mounted Soap Dispenser	Provided by Owner, Installed by General Contractor
AC-12	Recessed Waste Receptacle	Provided by Owner, Installed by General Contractor
AC-13	Surface-Mounted Waste Receptacle	Provided by Owner, Installed by General Contractor
AC-14	Surface- Mounted Touchless Paper Towel Dispenser	
AC-15	Shower Curtain and Rod	Contractor to provide shower Curtain Hooks - See Specifications
AC-16	Towel / Robe Hook	
AC-17	Folding Reversible Shower Seat	
AC-18	Recessed Baby Changing Station	
AC-19	Two-Tier Louvered Locker	Provided by Owner, Installed by General Contractor
AC-20	ADA Compliant Bench	Provided by Owner, Installed by General Contractor
AC-21	Bench	Provided by Owner, Installed by General Contractor
AC-22	Utility Shelf , 4 Hooks, 3 Holders	

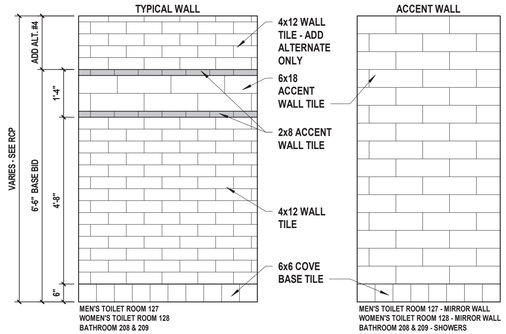


1 Sloped Hood at Lockers
SCALE: 6" = 1'-0"



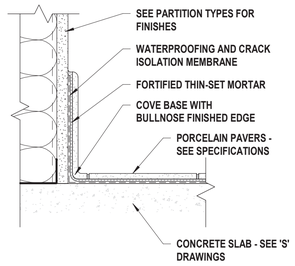
NOTE: THE GENERAL CONTRACTOR SHALL COORDINATE FINAL LAYOUT OF RECESSED LOCKER BASE WITH LOCKER LAYOUT DRAWING PROVIDED BY OTHERS AND APPROVED BY OWNER

2 Base Detail at Lockers
SCALE: 6" = 1'-0"



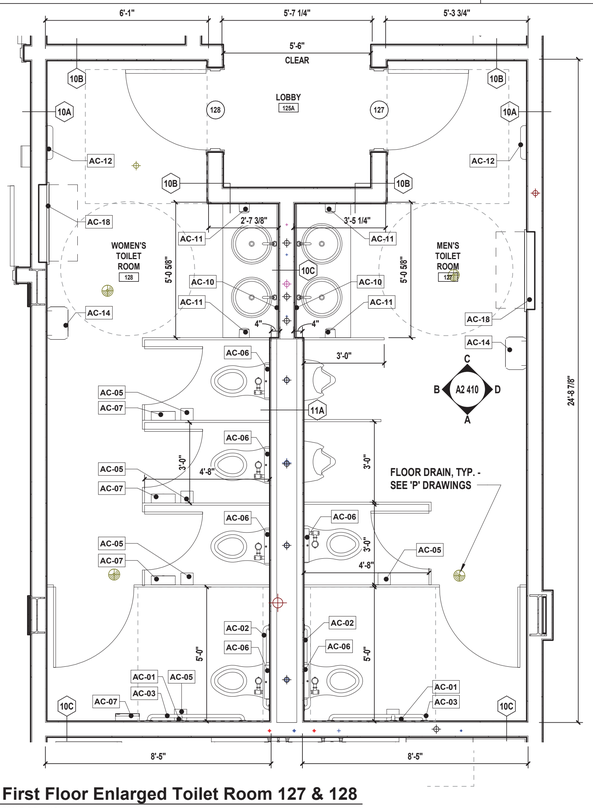
3 Tile Elevations
SCALE: 1/2" = 1'-0"

NOTE: COLOR TO BE SELECTED BY ARCHITECT / OWNER

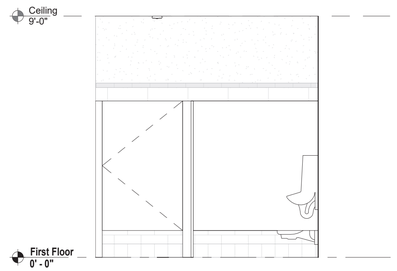


NOTE:
1. WATERPROOFING AND CRACK ISOLATION MEMBRANE TO OCCUR IN MEN'S TOILET ROOM 127, WOMEN'S TOILET ROOM 128, BATHROOMS 208 AND 209
2. CONTRACTOR TO INSTALL ALL REQUIRED ITEMS PER MANUFACTURERS REQUIREMENTS

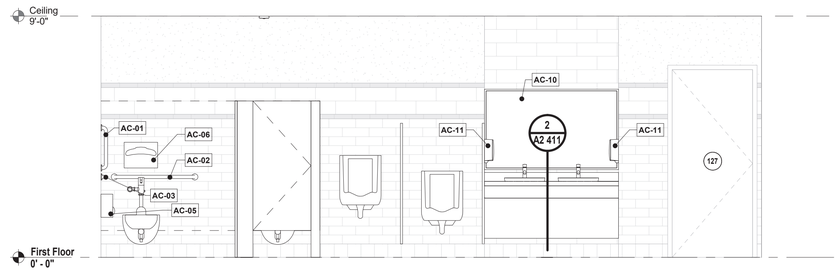
4 Cove Base Detail
SCALE: 3" = 1'-0"



5 First Floor Enlarged Toilet Room 127 & 128
SCALE: 3/8" = 1'-0"

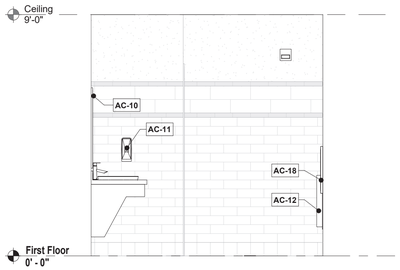


A Interior Elevation
SCALE: 3/8" = 1'-0"

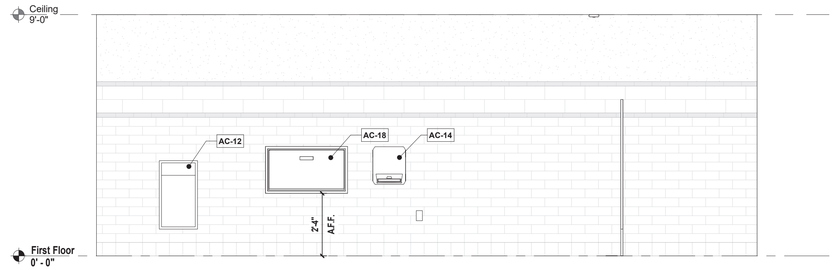


B Interior Elevation
SCALE: 3/8" = 1'-0"

NOTE:
SEE TILES ELEVATIONS ON THIS SHEET FOR WALL FINISHES



C Interior Elevation
SCALE: 3/8" = 1'-0"



D Interior Elevation
SCALE: 3/8" = 1'-0"

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Melville, NY 11747
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CONSULTANTS:

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KEM	JHG		
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VAILS GATE FIRE DISTRICT

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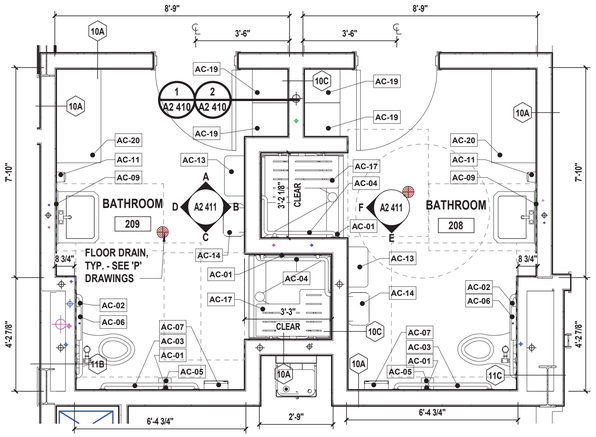
CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ARCHITECTURE
ENLARGED TOILET PLANS, ELEVATIONS, NOTES AND DETAILS
NEW FIRE STATION
PHASE 2

DRAWING No.
A2 410.00

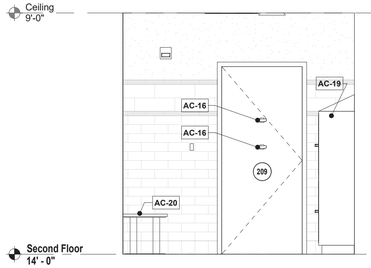
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7/18/2022 8:19:48 AM



1 Second Floor Enlarged Toilet Room 209 & 210

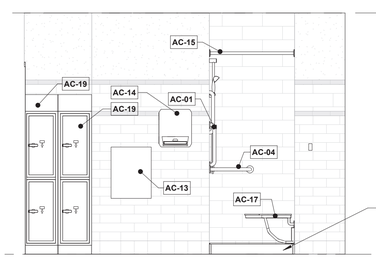
SCALE: 3/8" = 1'-0"

NOTE:
SEE TILES ELEVATIONS ON A2 410 FOR WALL FINISHES



A Interior Elevation

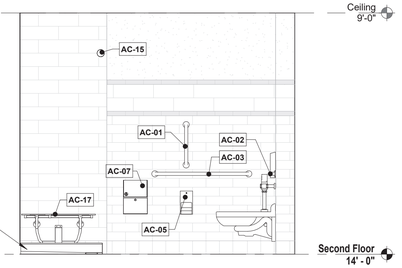
SCALE: 3/8" = 1'-0"



B Interior Elevation

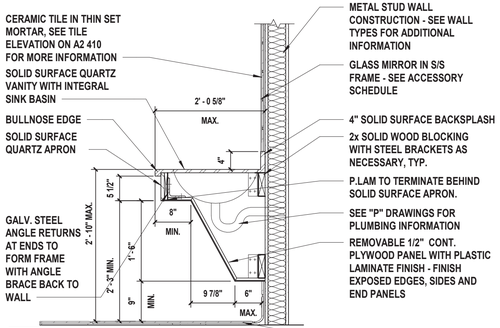
SCALE: 3/8" = 1'-0"

SHOWER PAN - SEE 'P' DRAWINGS



C Interior Elevation

SCALE: 3/8" = 1'-0"

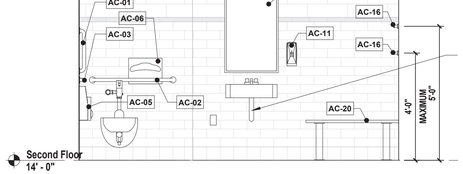


NOTE:
1. PROVIDE ADDITIONAL BLOCKING AND/OR BRACKETS AS NECESSARY FOR PROPER INSTALLATION
2. PROVIDE SOLID SURFACE QUARTZ APRON AND PIPE COVERING IN ROOM 102 & 103 TO MATCH CABINETRY

2 Vanity Section Detail

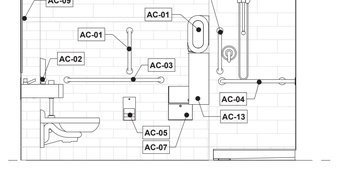
SCALE: 3/4" = 1'-0"

NOTE:
SEE TILES ELEVATIONS ON A2 410 FOR WALL FINISHES



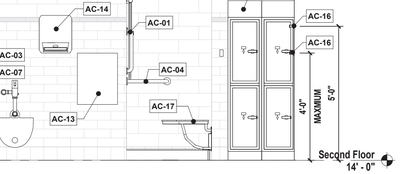
D Interior Elevation

SCALE: 3/8" = 1'-0"



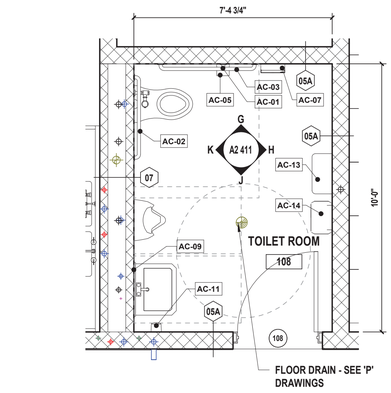
E Interior Elevation

SCALE: 3/8" = 1'-0"



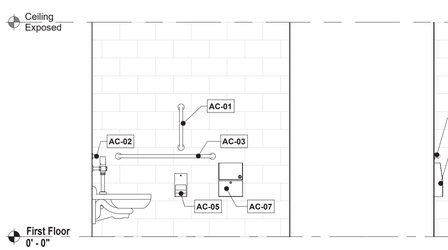
F Interior Elevation

SCALE: 3/8" = 1'-0"



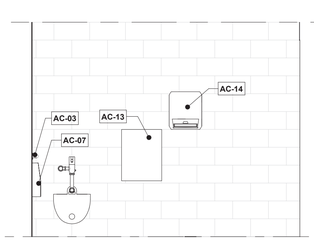
3 First Floor Enlarged Toilet Room 108

SCALE: 3/8" = 1'-0"



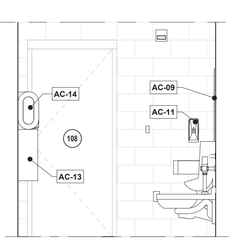
G Interior Elevation

SCALE: 3/8" = 1'-0"



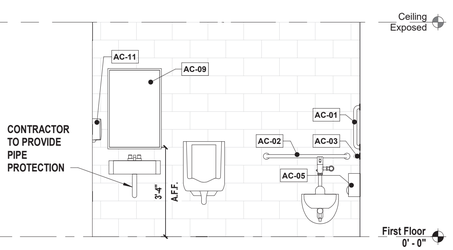
H Interior Elevation

SCALE: 3/8" = 1'-0"



J Interior Elevation

SCALE: 3/8" = 1'-0"



K Interior Elevation

SCALE: 3/8" = 1'-0"

H 2 M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

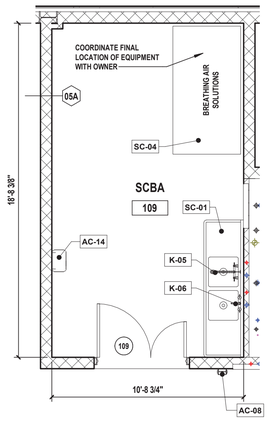
SHEET TITLE

ARCHITECTURE
ENLARGED PLANS, INTERIOR ELEVATIONS, AND DETAILS
NEW FIRE STATION
PHASE 2

DRAWING No.

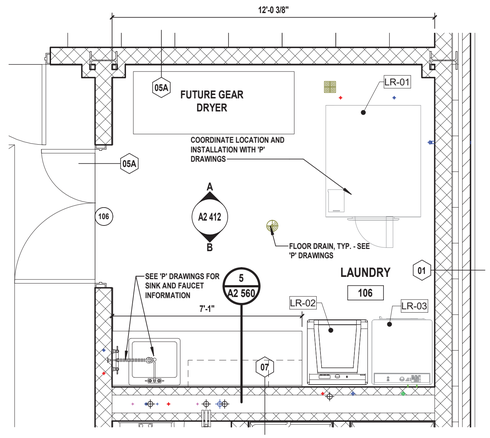
A2 411.00

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7/19/2022 8:35:39 AM



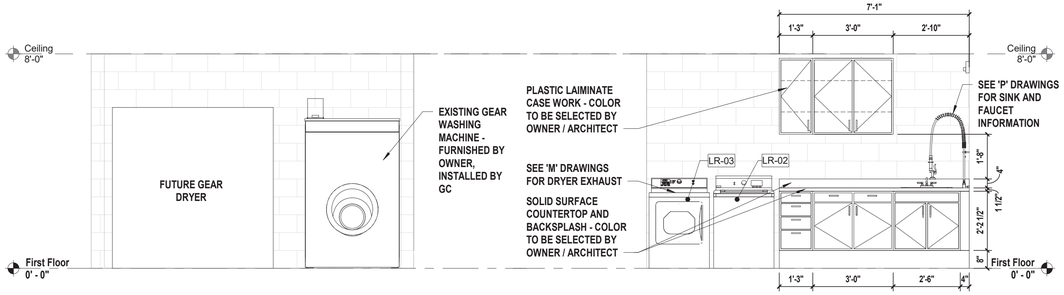
1 Enlarged SCBA Room 109

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



2 Enlarged Laundry Floor Plan

SCALE: 3/8" = 1'-0"

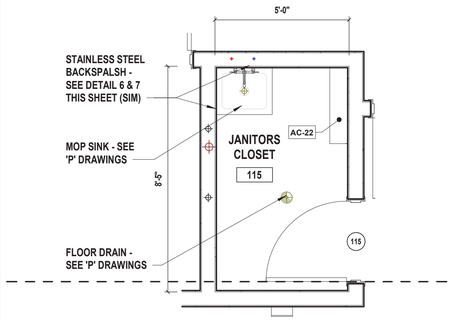


A Interior Elevation

SCALE: 3/8" = 1'-0"

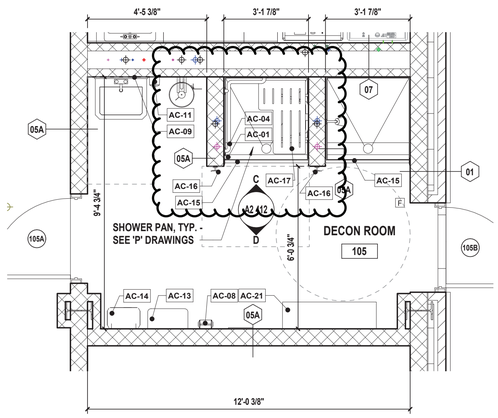
B Interior Elevation

SCALE: 3/8" = 1'-0"



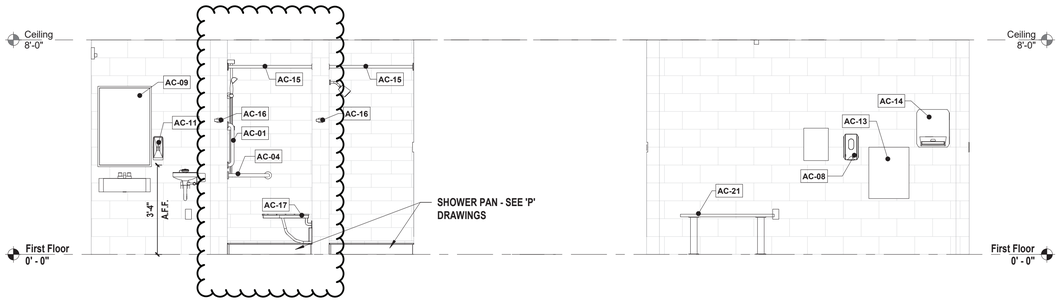
3 Enlarged Janitors Closet Room 115

SCALE: 3/8" = 1'-0"



4 Enlarged Decon Floor Plan

SCALE: 3/8" = 1'-0"

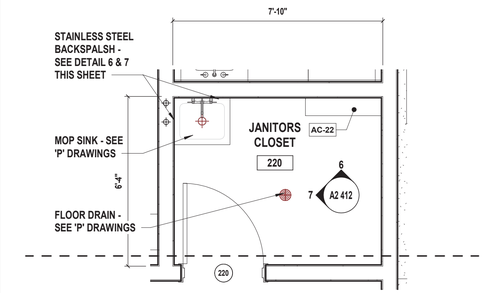


C Interior Elevation

SCALE: 3/8" = 1'-0"

D Interior Elevation

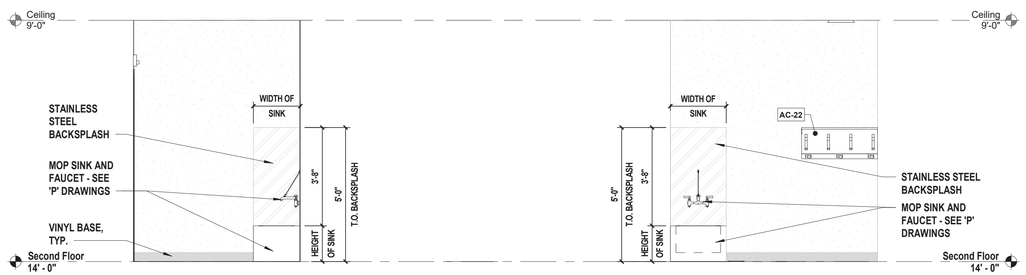
SCALE: 3/8" = 1'-0"



5 Enlarged Janitors Closet Room 220

SCALE: 3/8" = 1'-0"

NOTE:
JANITORS CLOSET ROOM 115 - ELEVATIONS ARE SIMILAR



7 Interior Elevation

SCALE: 3/8" = 1'-0"

6 Interior Elevation

SCALE: 3/8" = 1'-0"

GENERAL EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
LR-01	Gear Extractor	Wascomat	EXSM230C	Existing equipment, Installed by GC
LR-02	Washing Machine	GE	GTWN4250DOWS	Existing equipment, Installed by GC
LR-03	Dryer	GE	GTD84GCSN/GCPN	Provided by owner, Installed by GC
MEZZ-01	Air Compressor	Mako	BAM04-07H	Existing equipment, Installed by GC
MEZZ-02	Air Compressor	Speedaire	3VB60	Existing equipment, Installed by GC
SC-01	2 Compartment Sink	Advance Tabco	93-22-40-24RL	Provided by Owner, Installed by General Contractor
SC-04	Tank Filler	Mako	BAM04-07H	Existing equipment, Installed by GC

NOTE:
SEE ACCESSORY SCHEDULE ON SHEET A2 410 FOR ACCESSORY TAG INFORMATION

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION
2	12/22/2022	REVS. PER TOWN COMMENTS

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

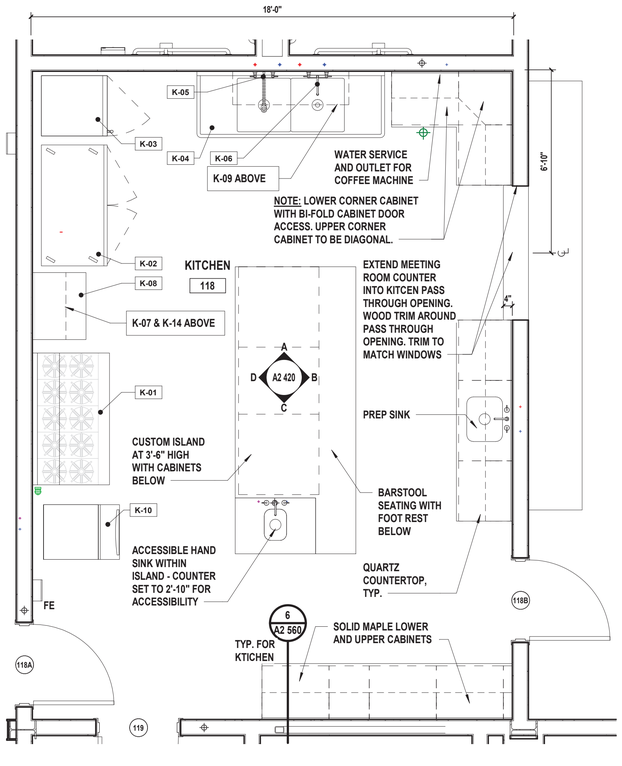
ARCHITECTURE
NEW FIRE STATION
ENLARGED PLANS AND INTERIOR ELEVATIONS
PHASE 2

DRAWING No.

A2 412.02

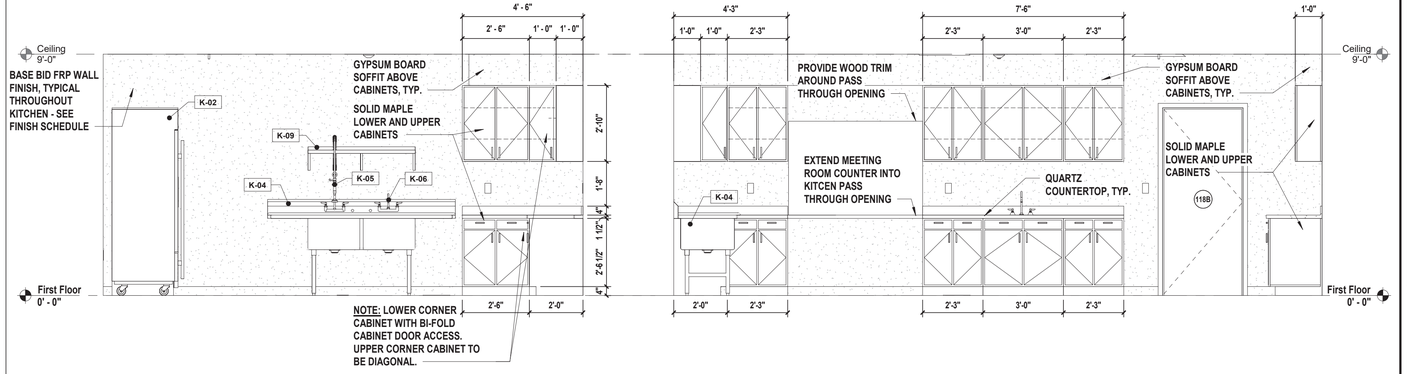
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12/22/2022 8:11:26 AM



1 Enlarged Kitchen Floor Plan

SCALE: 3/8" = 1'-0"



A Interior Elevation

SCALE: 3/8" = 1'-0"

B Interior Elevation

SCALE: 3/8" = 1'-0"



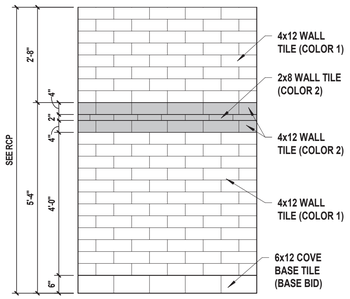
C Interior Elevation

SCALE: 3/8" = 1'-0"

D Interior Elevation

SCALE: 3/8" = 1'-0"

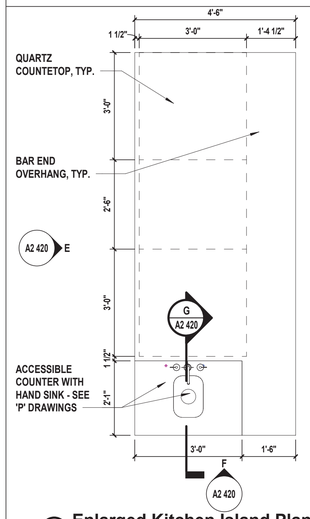
KITCHEN EQUIPMENT SCHEDULE		
MARK	DESCRIPTION	COMMENTS
K-01	Gas Restaurant Range	Provided by Owner, Installed by General Contractor
K-02	Reach - In Solid Swing Door Refrigerator	Provided by Owner, Installed by General Contractor
K-03	Reach - In Solid Swing Door Freezer	Provided by Owner, Installed by General Contractor
K-04	2 Compartment Dish Sink	Provided by Owner, Installed by General Contractor
K-05	Splash Mount Pre-Rinse Faucet	Provided by Owner, Installed by General Contractor, Also installed in Laundry and SCBA room
K-06		
K-07	Microwave Shelf	Provided by Owner, Installed by General Contractor
K-08	Stainless Steel Table with Backsplash	Provided by Owner, Installed by General Contractor
K-09	Wall Mounted Shelf	Provided by Owner, Installed by General Contractor
K-10	Ice Cube Machine with Storage Bin	Provided by Owner, Installed by General Contractor
K-14	Commercial Microwave Oven	Provided by Owner, Installed by General Contractor



NOTE: COLOR SELECTION TO BE SELECTED BY ARCHITECT / OWNER

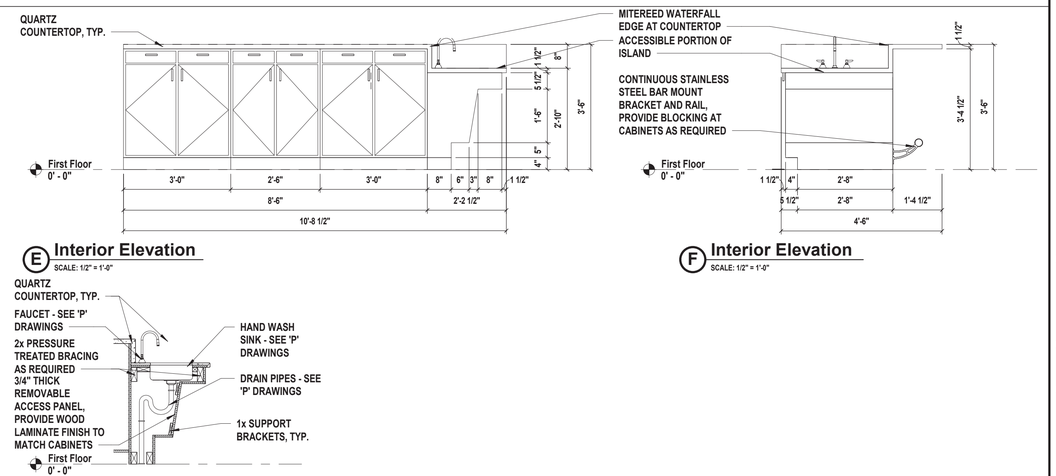
2 Add Alt #1 - Typical Kitchen Wall Tile Elevation

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



3 Enlarged Kitchen Island Plan

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



E Interior Elevation

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

F Interior Elevation

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

G Island Section at Accessible Counter

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

H 2 M architects + engineers

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
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CONSULTANTS:

MARK	DATE	DESCRIPTION

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KEM	JHG		
PROJECT No:	DATE:	SCALE:	
VGFD2001	JULY 2022	AS SHOWN	

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

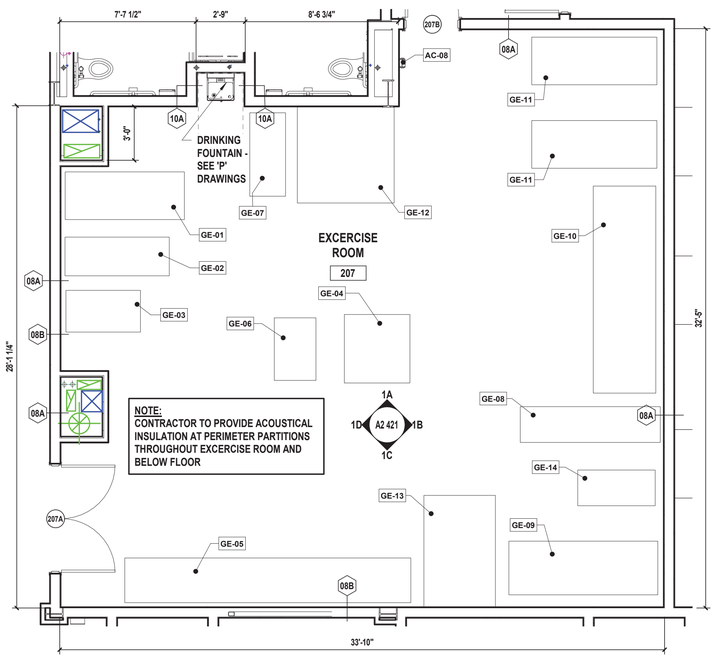
ARCHITECTURE
ENLARGED KITCHEN PLAN
NEW FIRE STATION
PHASE 2

DRAWING No.

A2 420.00

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1 Enlarged Excercise Room Floor Plan

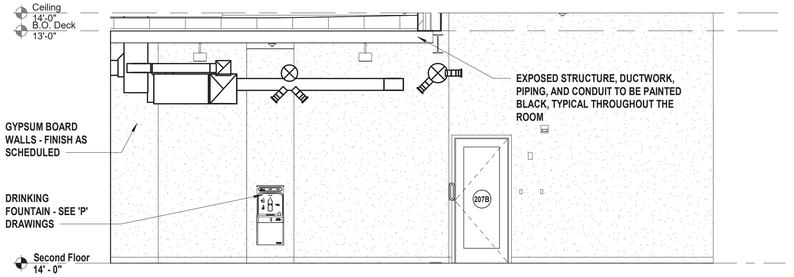
SCALE: 1/4" = 1'-0"

EXERCISE ROOM EQUIPMENT SCHEDULE

MARK	DESCRIPTION	COMMENTS
GE-01	Elliptical	N.I.C. - Shown for reference only
GE-02	Excercise Bike	N.I.C. - Shown for reference only
GE-03	Stair Mill	N.I.C. - Shown for reference only
GE-04	Curling Weight Tree	N.I.C. - Shown for reference only
GE-05	Dumbbell Racks	N.I.C. - Shown for reference only
GE-06	GHD	N.I.C. - Shown for reference only
GE-07	Air Dyne	N.I.C. - Shown for reference only
GE-08	Rower	N.I.C. - Shown for reference only
GE-09	Leg Press	N.I.C. - Shown for reference only
GE-10	Cable Crossover	N.I.C. - Shown for reference only
GE-11	Treadmill	N.I.C. - Shown for reference only
GE-12	Smith Machine	N.I.C. - Shown for reference only
GE-13	Rogue MLW Rig	N.I.C. - Shown for reference only
GE-14	Ski ERG	N.I.C. - Shown for reference only

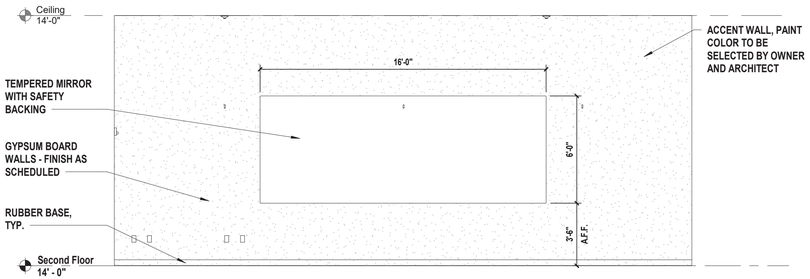
COMPANY KITCHEN EQUIPMENT SCHEDULE

MARK	DESCRIPTION	Manufacturer	Model	COMMENTS
CK-01	Range	GE	JGBS30REKSS	Provided by Owner - State Contract (GC to install)
CK-02	Refrigerator	Kitchenaid	KRFC300ESS	Provided by Owner - State Contract (GC to install)



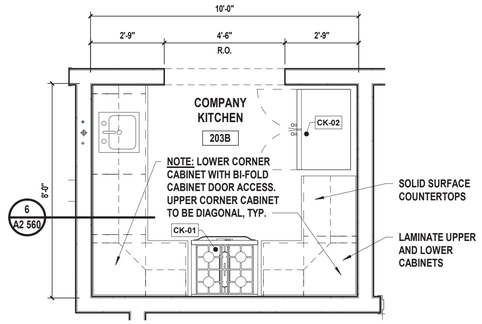
1A Interior Elevation

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



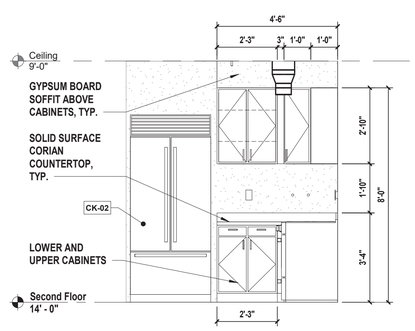
1B Interior Elevation

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



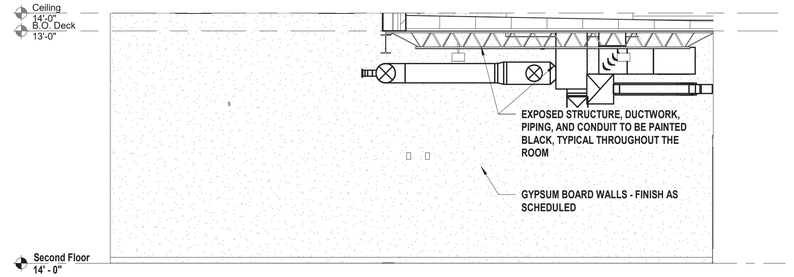
2 Enlarged Company Kitchen

SCALE: 3/8" = 1'-0"



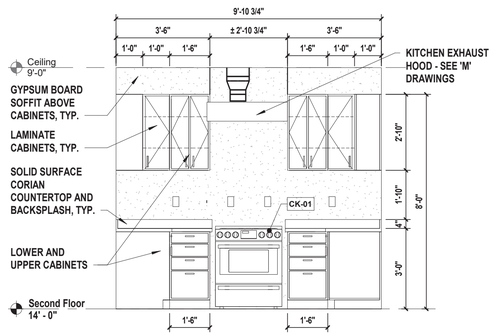
2A Interior Elevation

SCALE: 3/8" = 1'-0"



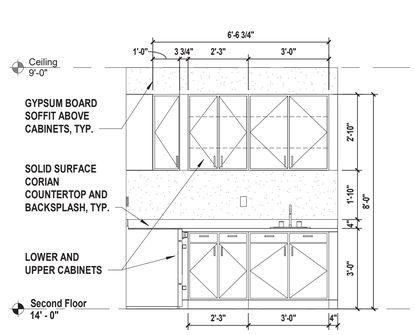
1C Interior Elevation

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



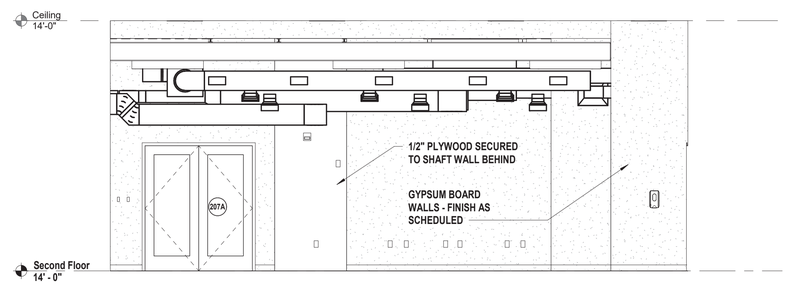
2B Interior Elevation

SCALE: 3/8" = 1'-0"



2C Interior Elevation

SCALE: 3/8" = 1'-0"



1D Interior Elevation

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

H 2 M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
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CONSULTANTS:

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KEM	JHG		

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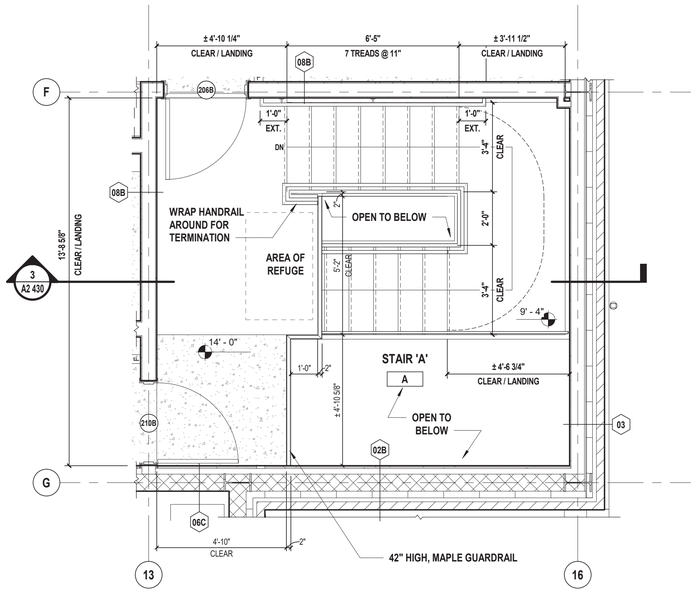
ARCHITECTURE
ENLARGED EXCERCISE & COMPANY KITCHEN, NOTES & DETAILS
NEW FIRE STATION
PHASE 2

DRAWING No.

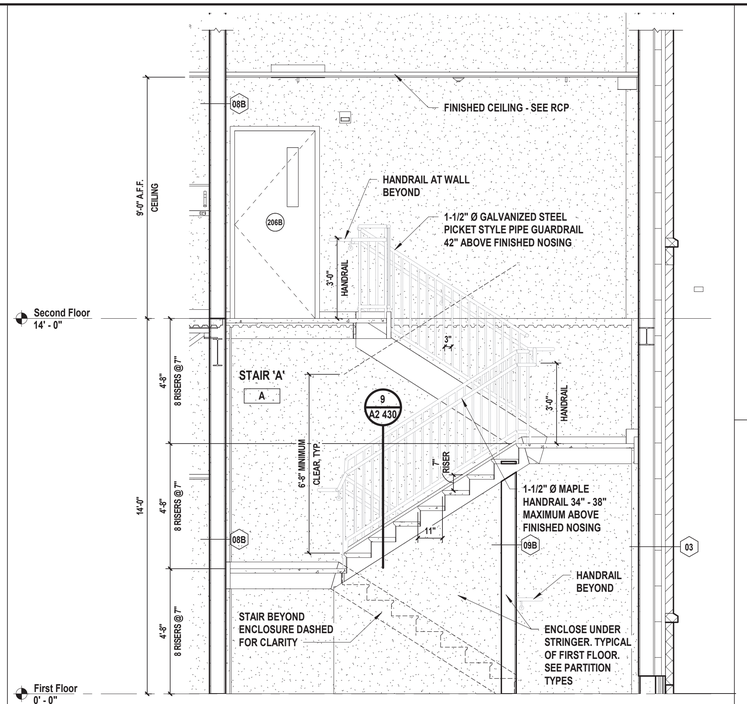
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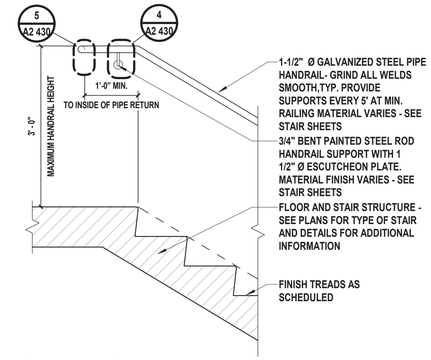
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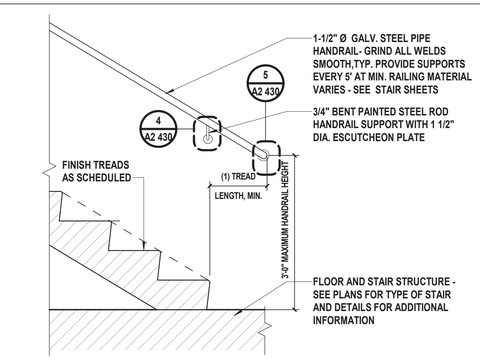
1 Second Floor Stair 'A'
SCALE: 3/8" = 1'-0"



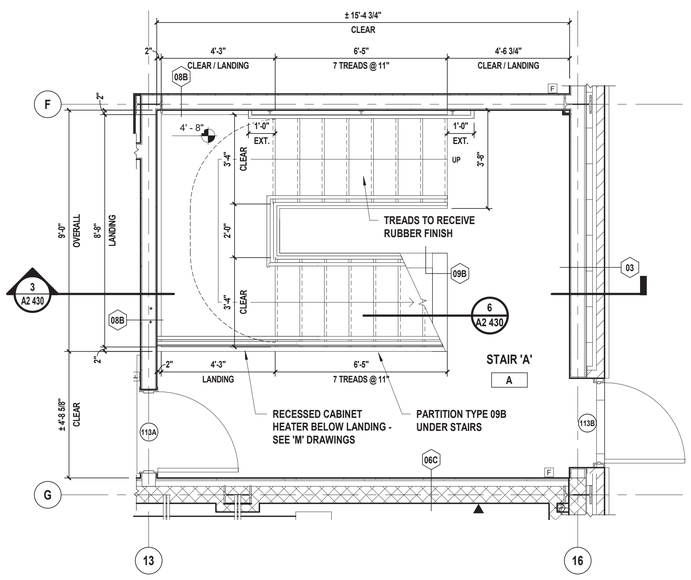
3 Stair 'A' Section
SCALE: 3/8" = 1'-0"



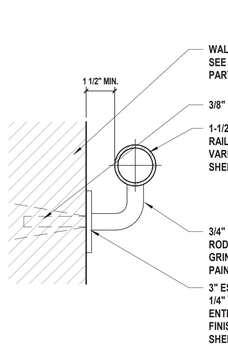
7 Typical Handrail Landing Detail
SCALE: 3/4" = 1'-0"



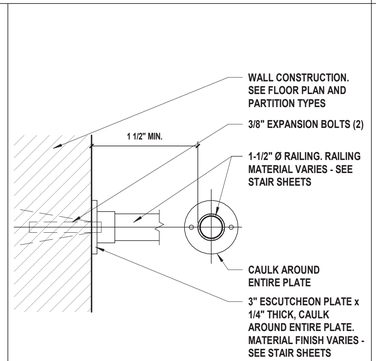
8 Typical Handrail Base Detail
SCALE: 3/4" = 1'-0"



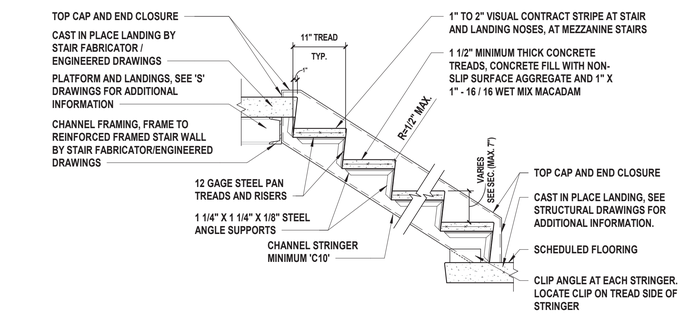
2 First Floor Stair 'A'
SCALE: 3/8" = 1'-0"



4 Wall Anchoring Handrail Detail
SCALE: 3" = 1'-0"

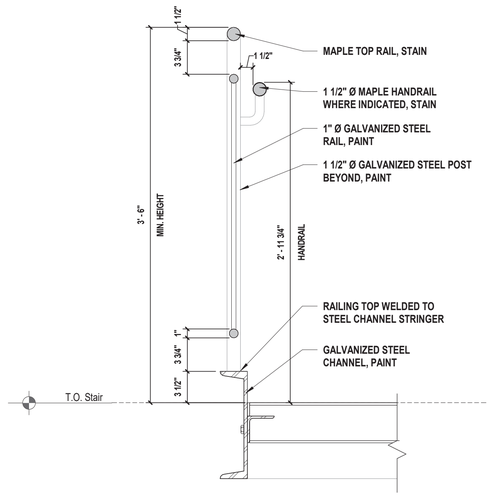


5 Wall Anchoring Handrail Detail
SCALE: 3" = 1'-0"



6 Typical Steel Pan Stair Detail
SCALE: 3/4" = 1'-0"

NOTE:
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2. CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS OF STAIRS, LANDINGS, CONNECTIONS, AND RAILINGS FROM A LICENSED P.E. FOR ARCHITECT OR RECORD REVIEW.



9 Railing Detail
SCALE: 1 1/2" = 1'-0"

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KEM	JHG		

PROJECT No:	DATE:	SCALE:
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New Fire Station (Phase II)

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New Windsor, NY 12553

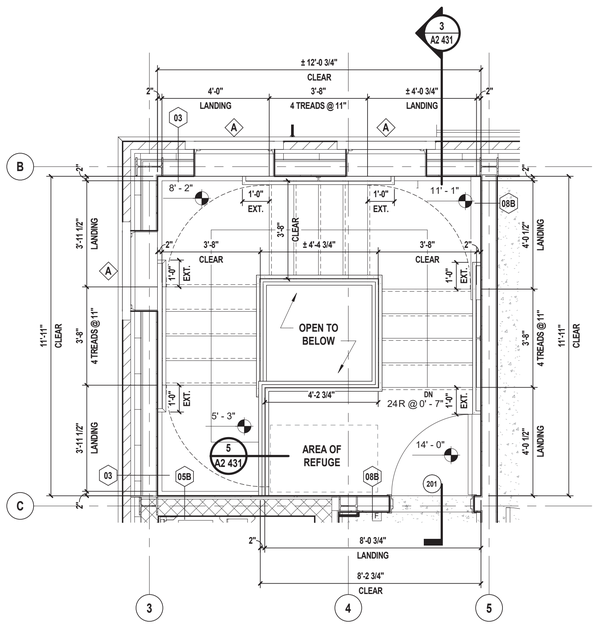
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ARCHITECTURE
ENLARGED STAIR PLAN AND DETAILS
NEW FIRE STATION
PHASE 2

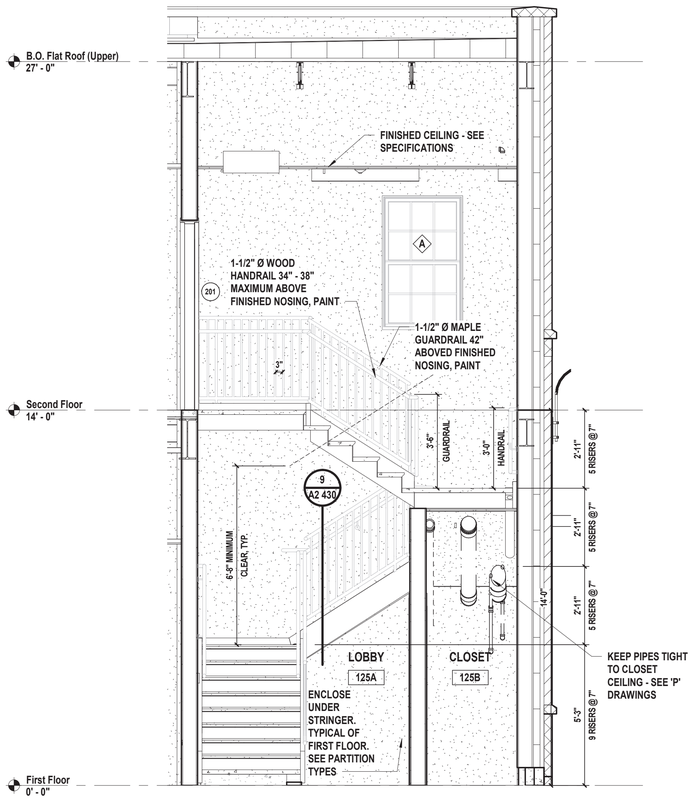
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1 Second Floor Stair 'B'

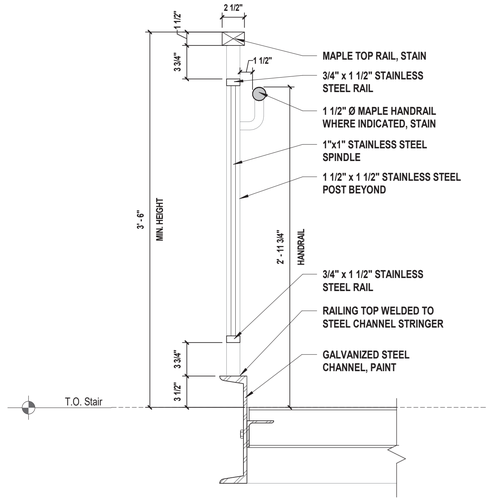
SCALE: 3/8" = 1'-0"



3 Stair 'B' Section

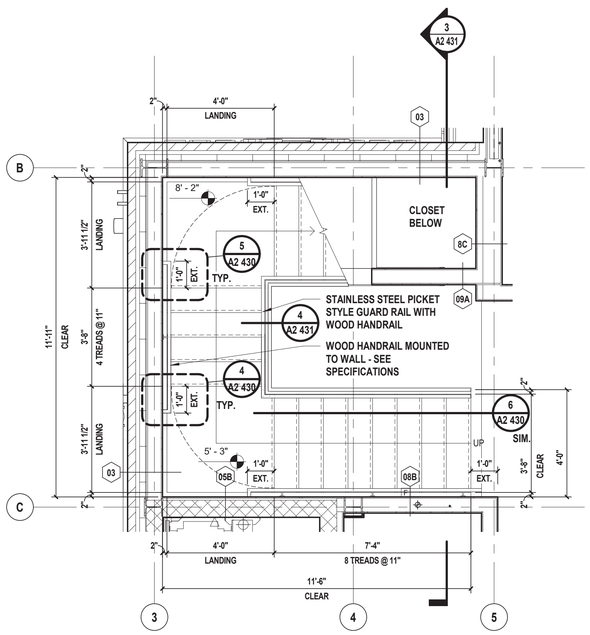
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NOTE:
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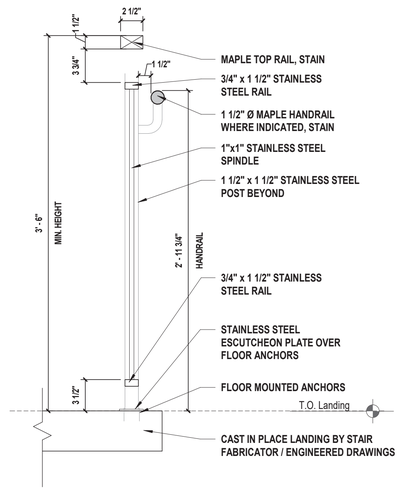
4 Stringer Mounted Railing Detail

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



2 First Floor Stair 'B'

SCALE: 3/8" = 1'-0"



5 Floor Mounted Railing Detail

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

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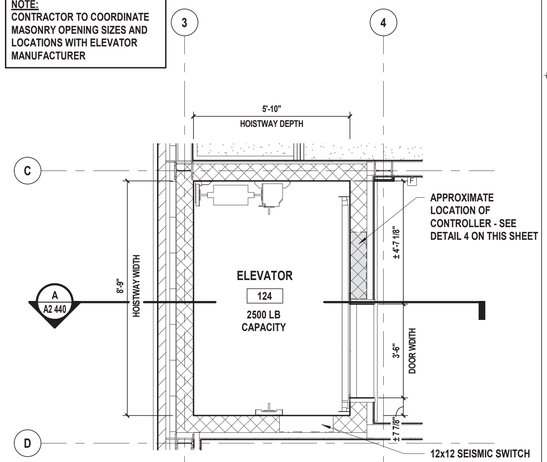
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ARCHITECTURE
ENLARGED STAIR PLAN AND DETAILS
NEW FIRE STATION
PHASE 2

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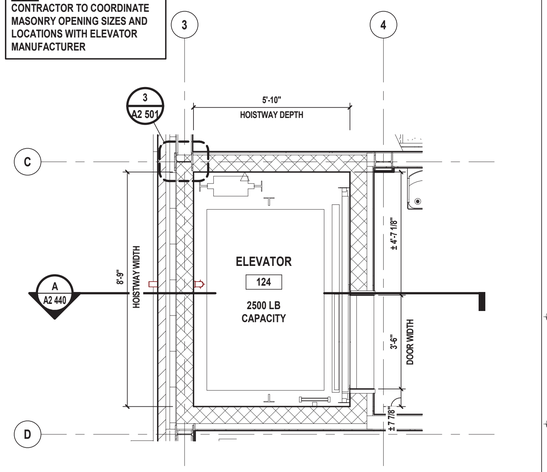
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NOTE:
CONTRACTOR TO COORDINATE MASONRY OPENING SIZES AND LOCATIONS WITH ELEVATOR MANUFACTURER

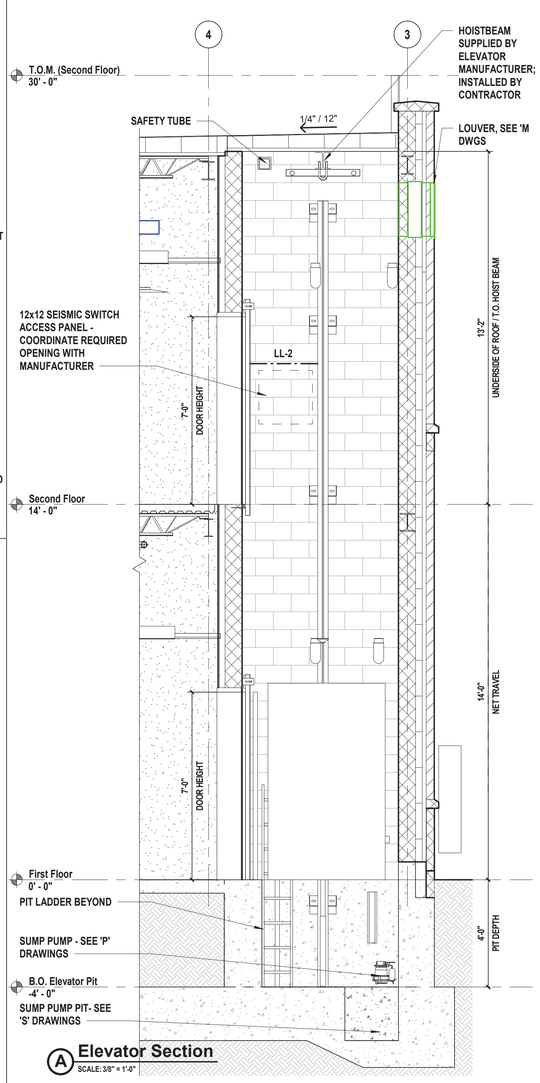


1 Second Floor Elevator Plan
SCALE: 3/8" = 1'-0"

NOTE:
CONTRACTOR TO COORDINATE MASONRY OPENING SIZES AND LOCATIONS WITH ELEVATOR MANUFACTURER



2 First Floor Elevator Plan
SCALE: 3/8" = 1'-0"



A Elevator Section
SCALE: 3/8" = 1'-0"

GENERAL ELEVATOR NOTES

1. CONTRACTOR TO PROVIDE A CLEAR, PLUMB HOISTWAY OF THE SIZE SHOWN ON THE DRAWINGS. VARIATIONS MUST NOT EXCEED 1". (TOLERANCE = -0" + 1")
2. CONTRACTOR TO PROVIDE ADEQUATE SUPPORT FOR GUIDE RAIL BRACKETS FROM PIT FLOOR TO THE TOP OF THE HOISTWAY AND NOT SPANNING FURTHER THAN ALLOWED BY THE GOVERNING CODE AUTHORITY. FIREPROOFING SHALL BE AFTER INSTALLATION OF ELEVATOR BRACKETS.
3. HOISTWAY VENTILATION SHALL BE PROVIDED PER CODE REQUIREMENTS.
4. PROJECTIONS REQUIRING BEVELING IN ACCORDANCE WITH CODE REQUIREMENTS SHALL BE BEVELED AT AN ANGLE NOT LESS THAN 75 DEGREES FROM THE HORIZONTAL.
5. PROVIDE REMOVABLE, OSHA COMPLIANT BARRICADES AROUND ALL HOISTWAY OPENINGS AND BETWEEN ELEVATORS INSIDE OF THE HOISTWAY AS REQUIRED. PROVIDE TWO LIFELINE ATTACHMENTS AT THE TOP, FRONT OF THE HOISTWAY.
6. CONTRACTOR TO PROVIDE ALL BLOCK OUT / CUTOUT OF OPENINGS TO INSTALL HALL PUSH BUTTONS, SIGNAL FIXTURES, AND HATCH DUCT. COORDINATE LOCATIONS WITH ELEVATOR MANUFACTURER.
7. CONTRACTOR TO PROVIDE A DRY PIT REINFORCED TO SUSTAIN VERTICAL FORCE FROM RAILS AND BUFFERS. REFERENCE THE REACTION LOAD TABLES FROM APPROVED SHOP DRAWINGS FOR VERTICAL FORCES. SUMPS AND/OR PUMPS (WHERE PERMITTED) LOCATED WITHIN THE PIT MAY NOT INTERFERE WITH THE ELEVATOR EQUIPMENT.
8. CONTRACTOR TO PROVIDE SUITABLE LIGHTING FOR THE MACHINE SPACE WITH A LIGHT SWITCH LOCATED IN THE HOISTWAY. PROVIDE A LIGHT FIXTURE AND A SEPARATE GFCI PROTECTED DUPLEX CONVENIENCE OUT IN THE ELEVATOR PIT. OUTLET, LIGHT AND SWITCH TO BE ON SEPARATE BRANCH CIRCUIT.
9. ENTRANCE WALLS ARE TO BE LEFT OPEN UNTIL THE ELEVATOR EQUIPMENT IS INSTALLED. ADEQUATE SUPPORT FOR ENTRANCE ATTACHMENT POINTS IS REQUIRED AT ALL LANDINGS. ALL FINISHED FLOORING AND GROUTING IS TO BE INSTALLED AFTER THE ENTRANCE FRAMES ARE INSTALLED.
10. FOR PROPER EQUIPMENT OPERATION, THE MACHINE SPACE AT THE TOP OF THE HOISTWAY MUST BE PROPERLY VENTED PER CODE REQUIREMENTS. MAX ALLOWED HUMIDITY IS 95% NON-CONDENSING. HOISTWAY MUST MAINTAIN A TEMPERATURE BETWEEN 41° F AND 104° F.
11. THE ACCESS DOOR TO THE CONTROL SPACE OR THE CONTROL ROOM MUST BE SECURED AGAINST UNAUTHORIZED ACCESS. IT SHALL BE SELF-LOCKING AND SELF-CLOSING.
12. CONTRACTOR TO PROVIDE A 14-AMP 120V AC FUSED SERVICE WITH GROUND (VIA EMERGENCY LIGHT SUPPLY IF AVAILABLE) CONNECTED TO EACH CONTROL CABINET FOR LIGHTING AND FAN. PROVIDE DEDICATED ANALOG PHONE LINE TERMINATING AT THE ELEVATOR CONTROL CABINET.
13. CONTRACTOR TO PROVIDE A SUITABLE WORKING ENVIRONMENT INCLUDING ADEQUATE ACCESS TO THE BUILDING, PROPER LIGHTING IN ALL AREAS, CLEAN AND SAFE STORAGE ADJACENT TO THE HOISTWAY, PROPERLY INSTALLED TEMPORARY SINGLE AND THREE-PHASE POWER, AND SUFFICIENT ON SITE REFUSE CONTAINERS FOR THE DISPOSAL OF ELEVATOR PACKING MATERIALS.
14. CONTRACTOR TO SUBMIT SHOP DRAWINGS FROM ELEVATOR MANUFACTURER TO ARCHITECT FOR REVIEW AND APPROVAL.
15. NON-ELEVATOR RELATED PIPING AND EQUIPMENT IS PROHIBITED IN MACHINE ROOM OR HOISTWAY.

PIT/OVERHEAD REQUIREMENTS

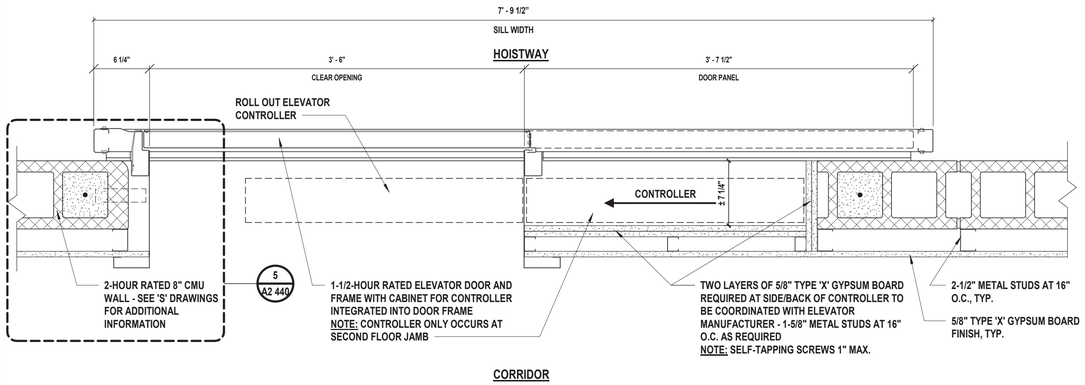
SPEED	PIT DEPTH	MAXIMUM TOTAL RISE	OVERHEAD HEIGHT
150 FPM	4'-0"	14'-0"	12'-6"

NOTES:
1. HOISTWAY SIZE MUST BE PLUMB WITHIN 1" AND MUST NOT BE LESS THAN FIGURES SHOWN.
2. SUMP OR DRAIN LOCATION IN PIT TO BE COORDINATED WITH MANUFACTURER TO AVOID ELEVATOR COMPONENETS AND ACCESS AREA.
3. HOISTWAY FASCIA IS NOT SELF-SUPPORTING FOR LONG, CONTINUOUS RUNS VOID OF ENTRANCES, ADEQUATE SUPPORT FOR THE FASCIA MUST BE PROVIDED.

ELEVATOR HEIGHT REQUIREMENTS

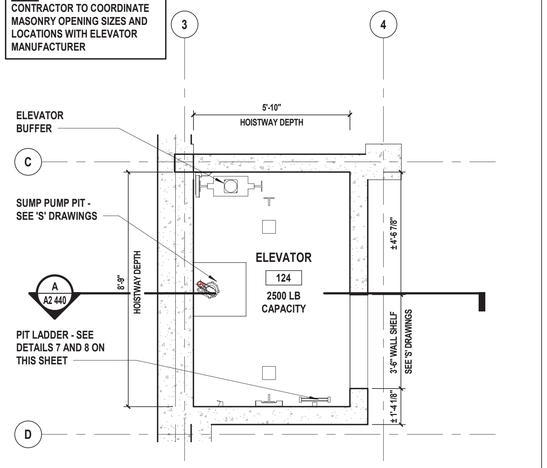
FLOOR	FLOOR HEIGHT
GROUND FLOOR	0'-0"
SECOND FLOOR	14'-0"
TOTAL RISE	14'-0"

NOTE:
ALL STRUCTURAL STEEL IN ELEVATOR SHAFT SHALL RECEIVE (1) HOUR MINIMUM SPRAY FIRE PROOFING - SEE SPECIFICATIONS

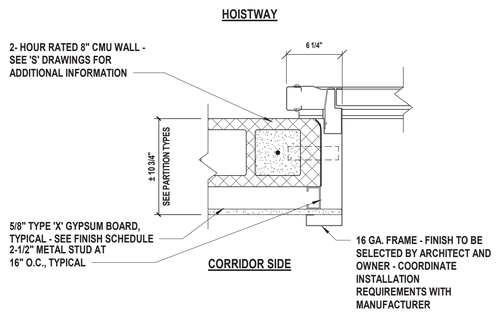


4 Controller Detail
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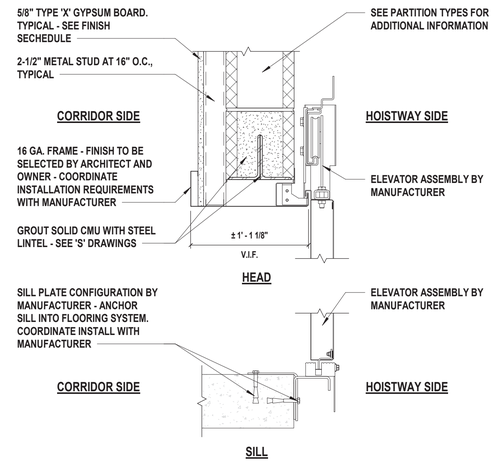
NOTE:
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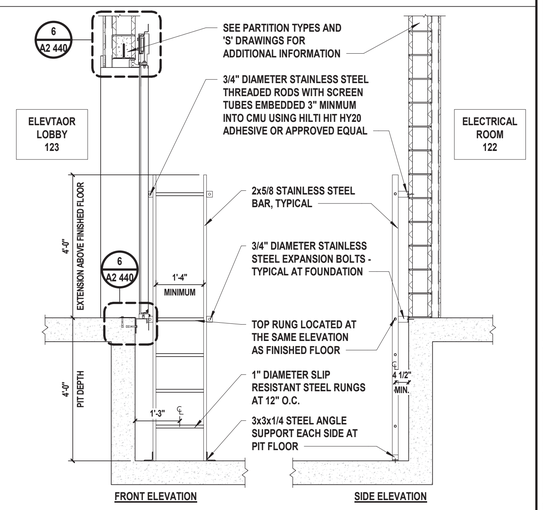
3 Pit Level Elevator Plan
SCALE: 3/8" = 1'-0"



5 Elevator Jamb Detail
SCALE: 1 1/2" = 1'-0"



6 Head and Sill Detail
SCALE: 1 1/2" = 1'-0"



7 Pit Ladder Detail
SCALE: 1/2" = 1'-0"

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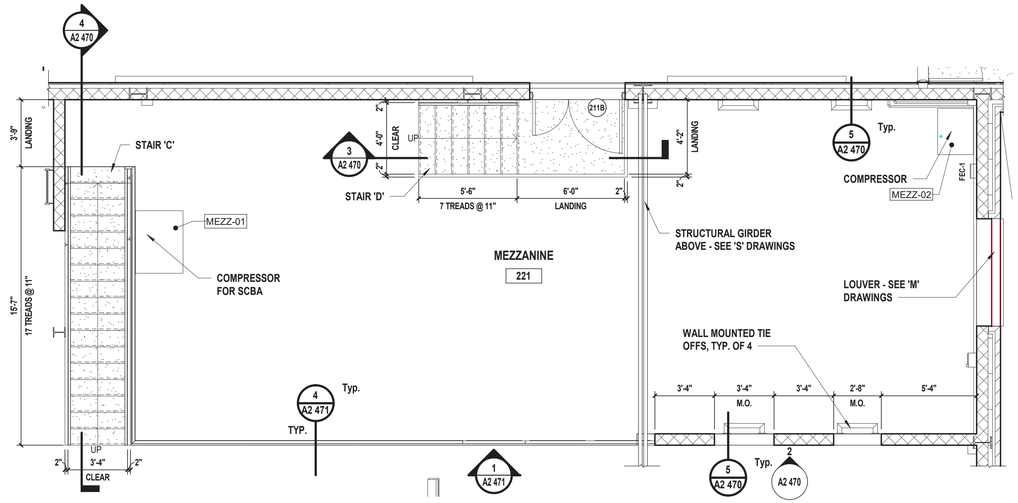
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ENLARGED ELEVATOR PLAN
NEW FIRE STATION
PHASE 2

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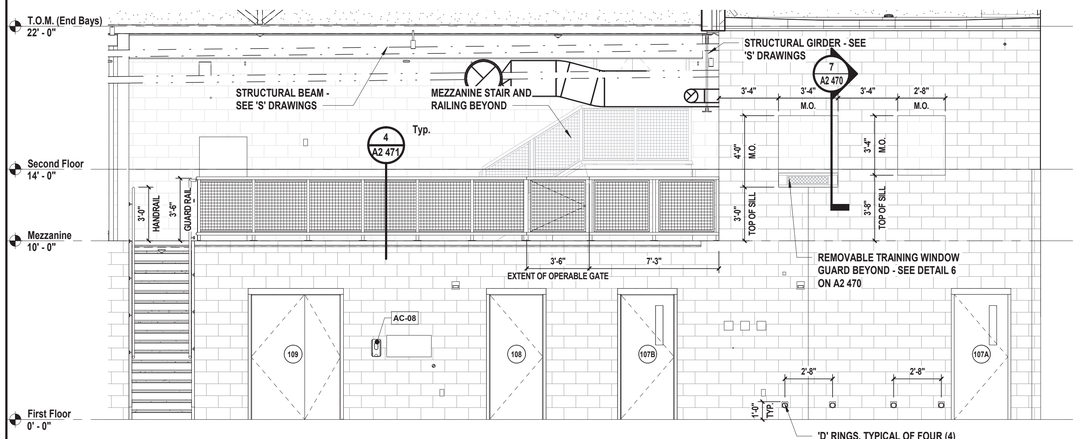
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1 Enlarged Mezzanine Floor Plan

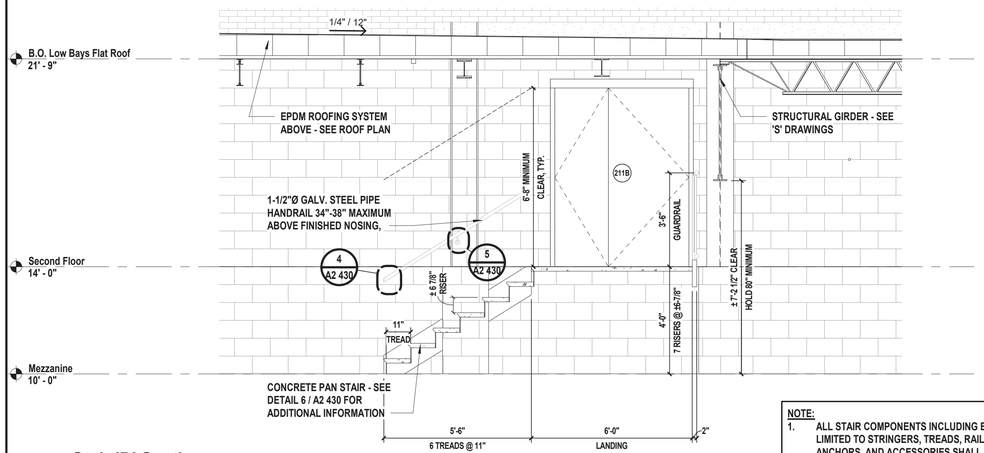
SCALE: 1/4" = 1'-0"

NOTE:
SEE GENERAL EQUIPMENT SCHEDULE ON SHEET A2 412 FOR EQUIPMENT TAG INFORMATION



2 Mezzanine Interior Elevation

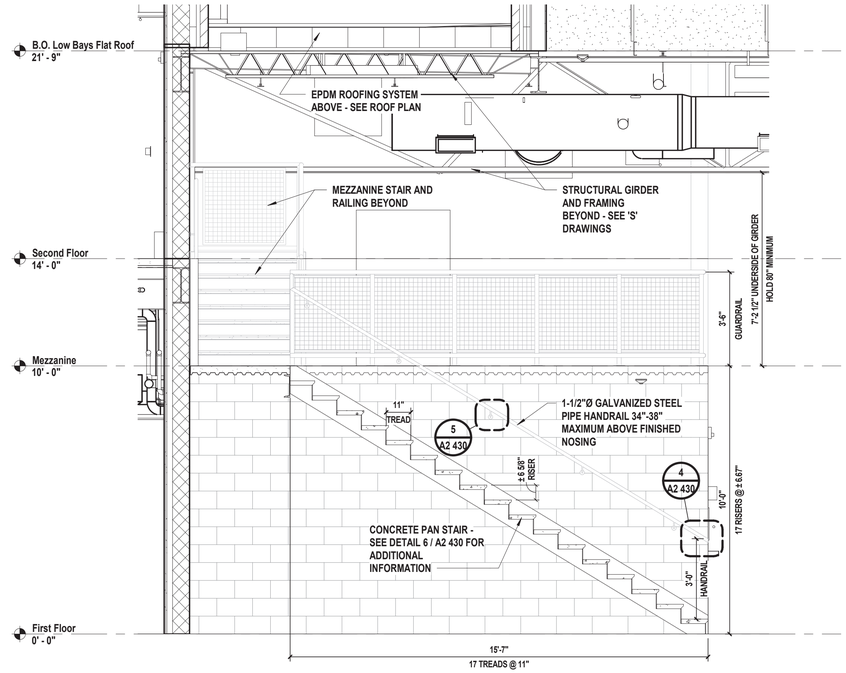
SCALE: 1/4" = 1'-0"



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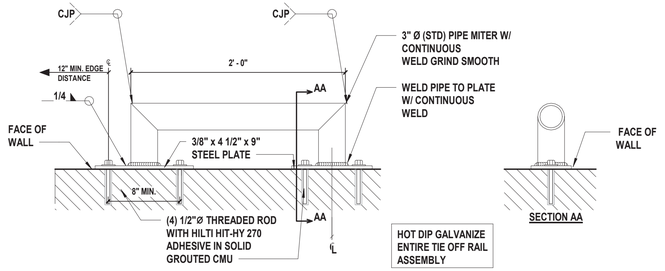
3 Stair 'D' Section

SCALE: 3/8" = 1'-0"



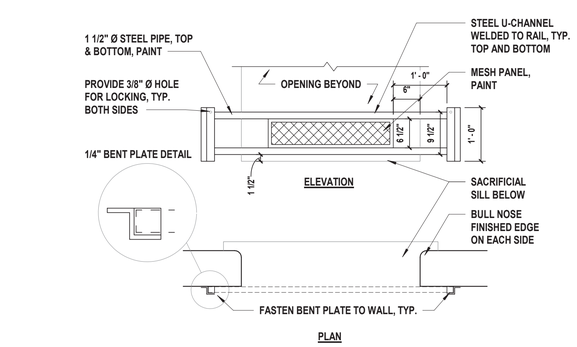
4 Stair 'C' Section

SCALE: 3/8" = 1'-0"



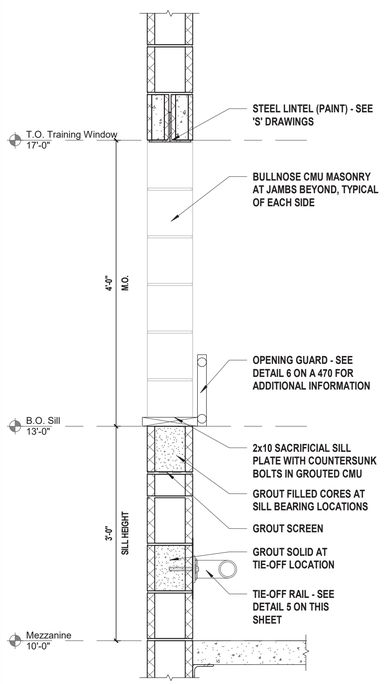
5 Tie-off Rail Detail

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



6 Opening at Training Window

SCALE: 3/4" = 1'-0"



7 Training Window Section

SCALE: 1" = 1'-0"

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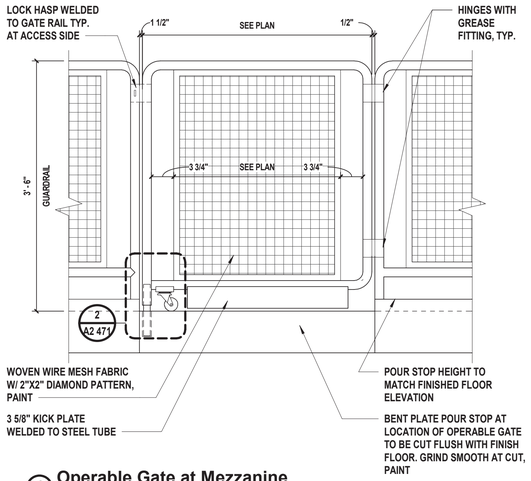
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NEW FIRE STATION
PHASE 2

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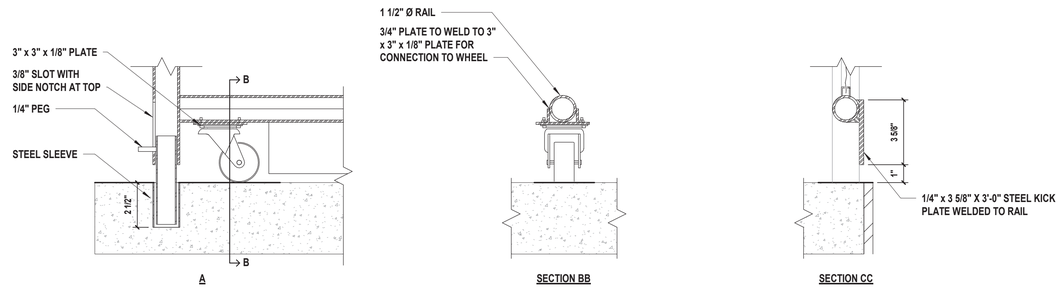
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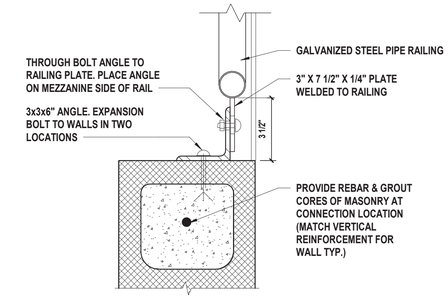
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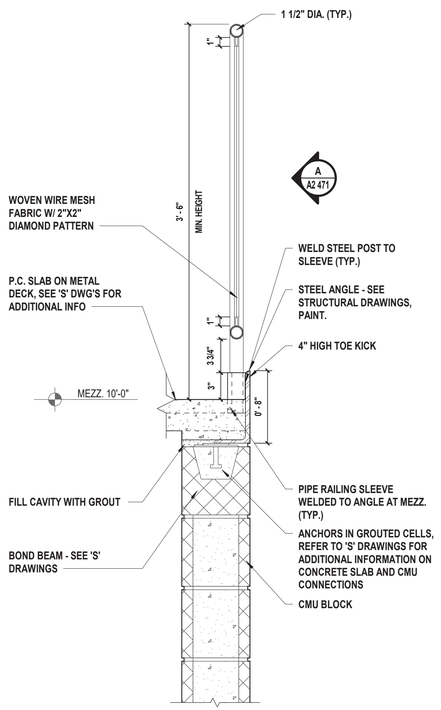
1 Operable Gate at Mezzanine
SCALE: 1" = 1'-0"



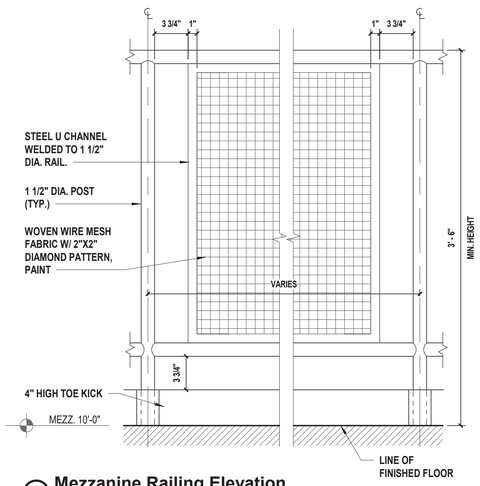
2 Caster/Kick Plate at Operable Gate
SCALE: 3" = 1'-0"



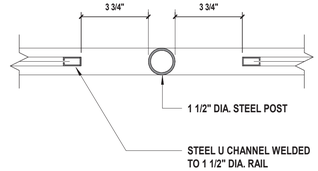
3 Typical Railing to Wall Attachment Plan at Mezzanine
SCALE: 3" = 1'-0"



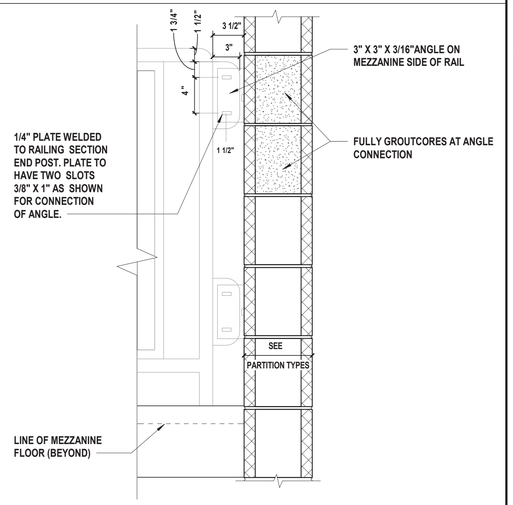
4 Mezzanine Railing Section Detail
SCALE: 1 1/2" = 1'-0"



A Mezzanine Railing Elevation
SCALE: 1 1/2" = 1'-0"



B Mezzanine Railing Plan
SCALE: 3" = 1'-0"



5 Elevation at Railing to wall connection
SCALE: 1 1/2" = 1'-0"

NOTE:
1. ALL STEEL COMPONENTS ON THIS SHEET TO BE HOT DIPPED GALVANIZED.

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CONSULTANTS:

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KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT
VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

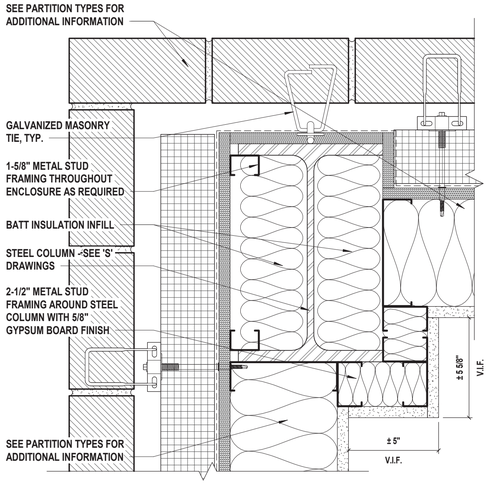
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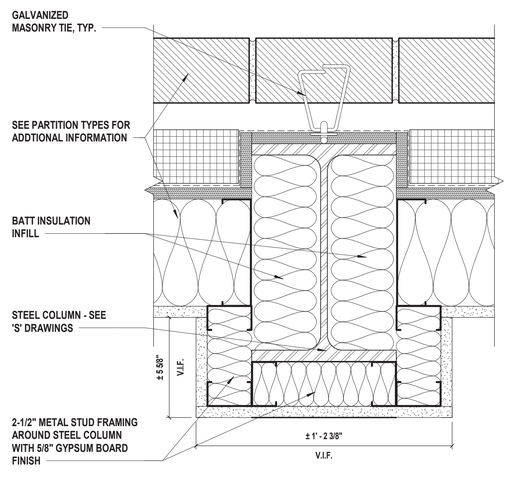
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ARCHITECTURE
MEZZANINE DETAILS AND NOTES
NEW FIRE STATION
PHASE 2

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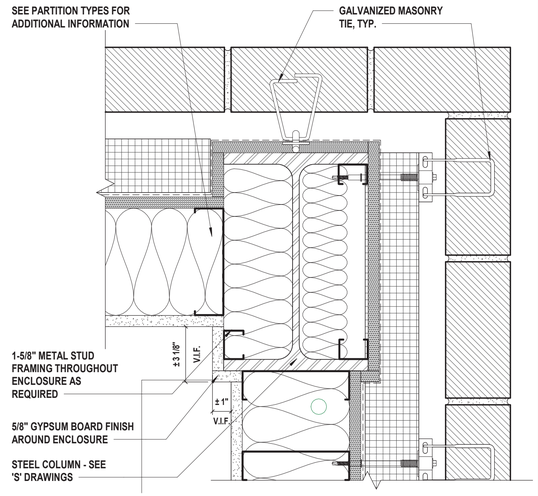
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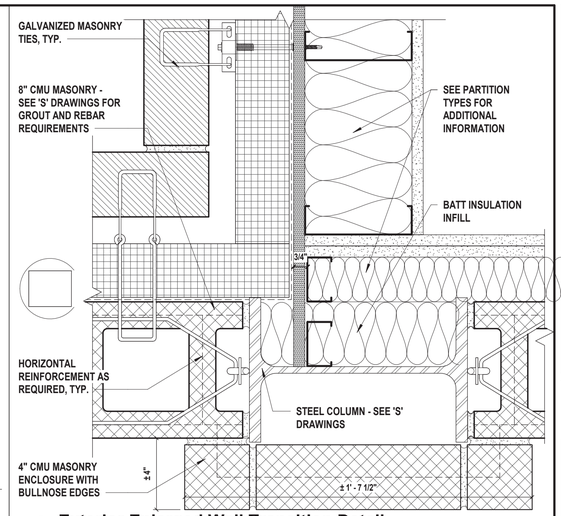
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SCALE: 3" = 1'-0"



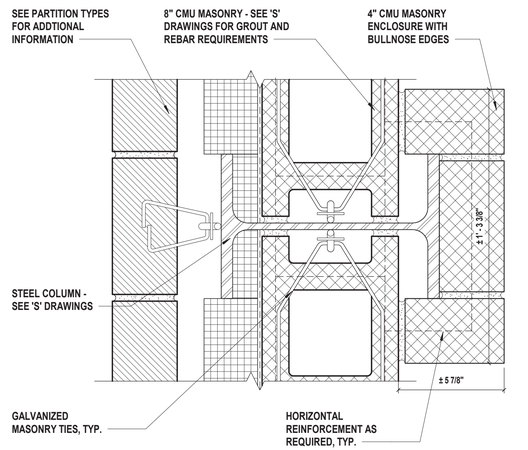
2 Exterior Enlarged Column Detail
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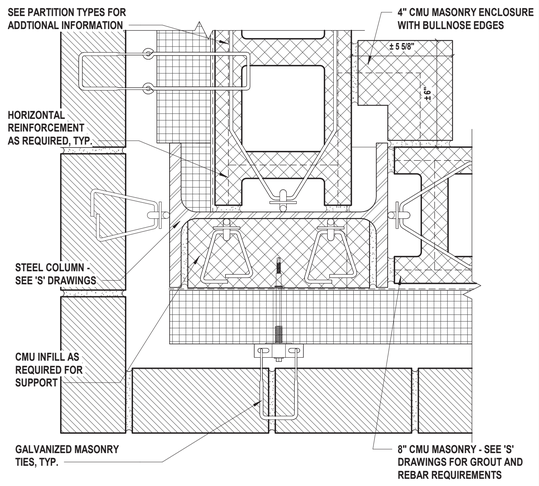
3 Exterior Enlarged Column Detail
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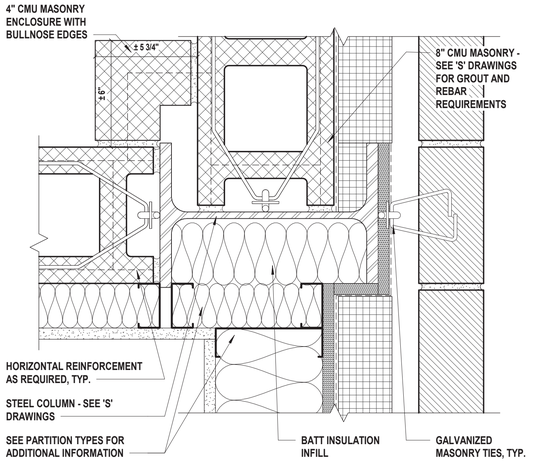
4 Exterior Enlarged Wall Transition Detail
SCALE: 3" = 1'-0"



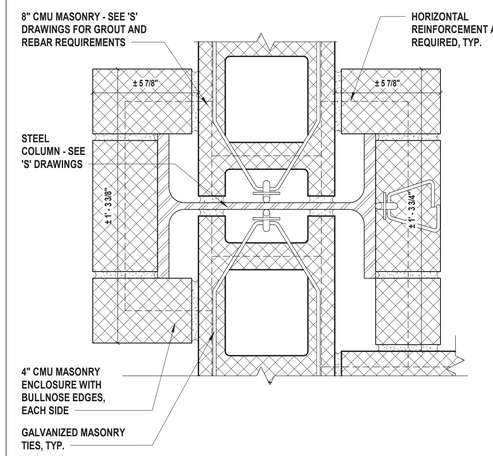
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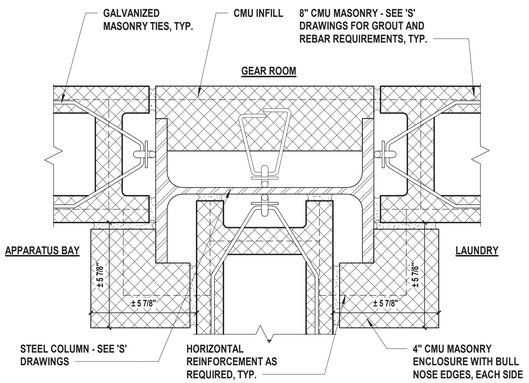
6 Exterior Enlarged Column Detail
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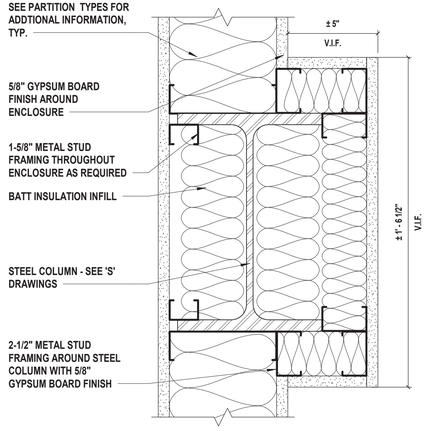
7 Exterior Enlarged Wall Transition Detail
SCALE: 3" = 1'-0"



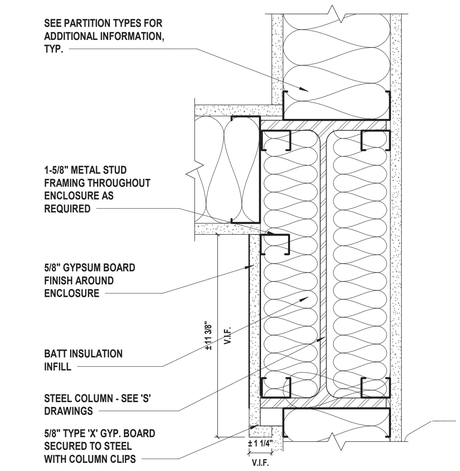
8 Interior Enlarged Column Detail
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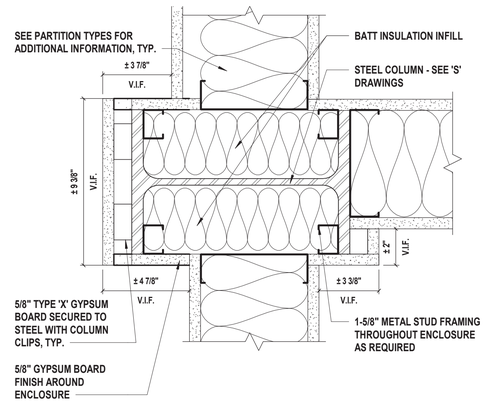
9 Interior Enlarged Column Detail
SCALE: 3" = 1'-0"



10 Interior Enlarged Column Detail
SCALE: 3" = 1'-0"



11 Interior Enlarged Column Detail
SCALE: 3" = 1'-0"



12 Interior Enlarged Column Detail
SCALE: 3" = 1'-0"

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CONSULTANTS:

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New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
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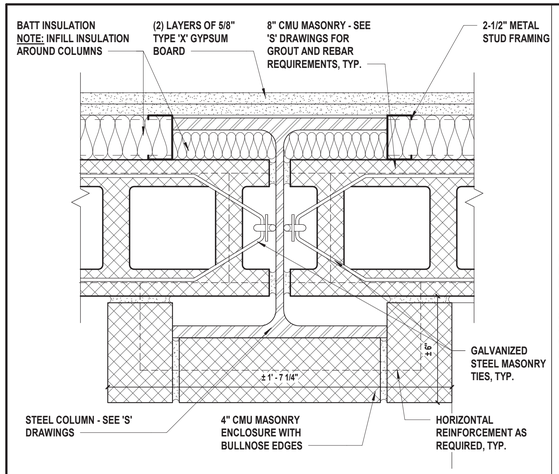
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NEW FIRE STATION
PHASE 2

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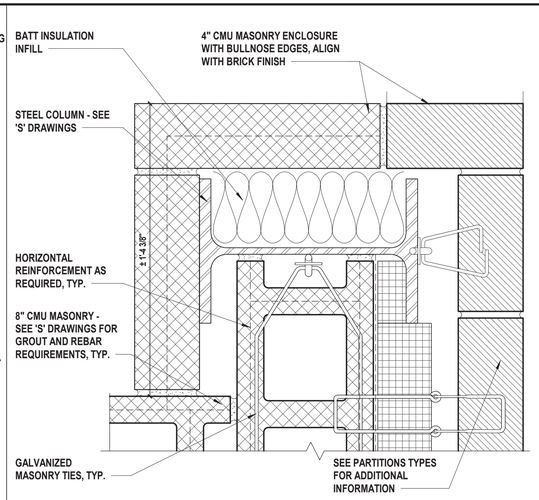
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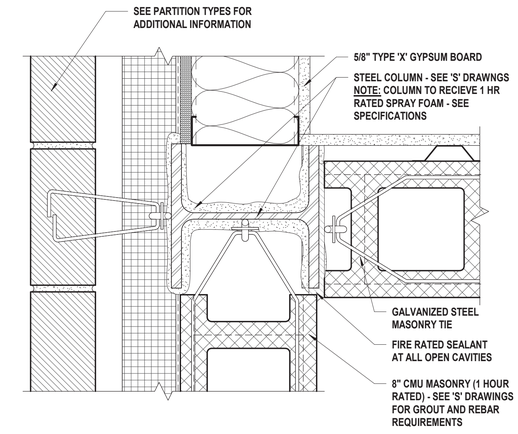
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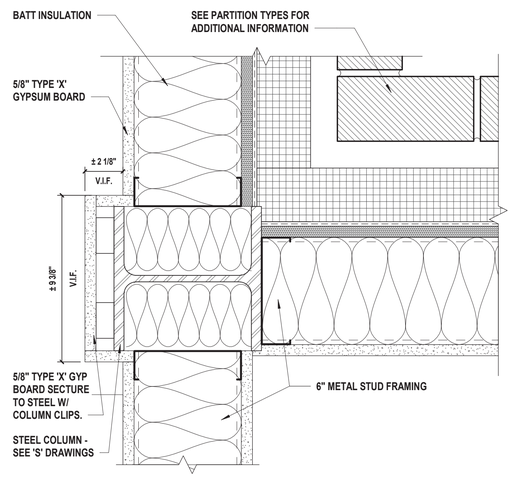
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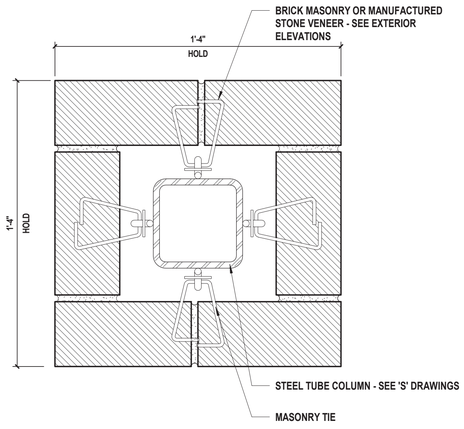
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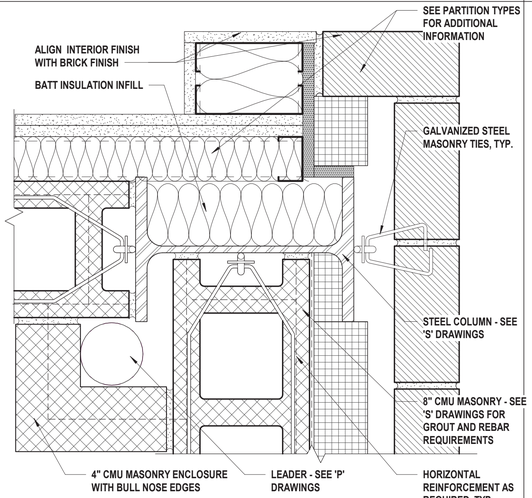
3 Exterior Enlarged Column Detail
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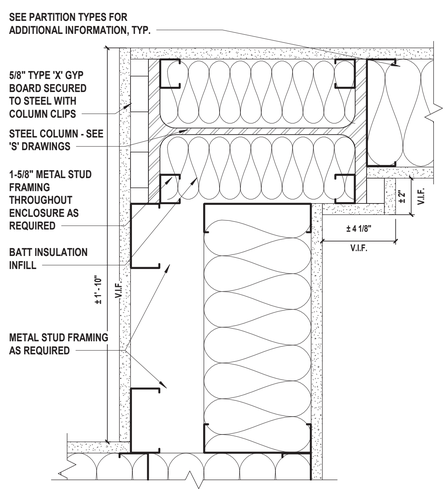
4 Interior Enlarged Column Detail
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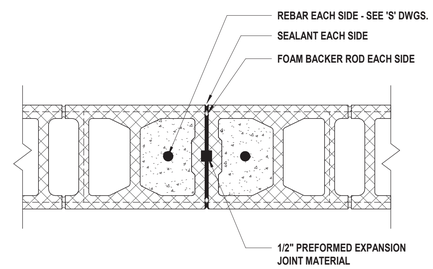
5 Exterior Enlarged Column Detail
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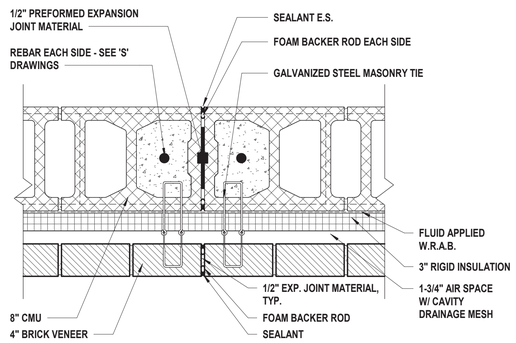
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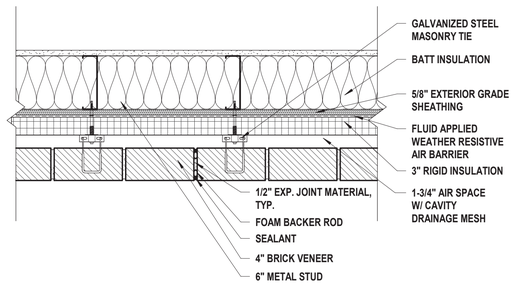
7 Interior Enlarged Column Detail
SCALE: 3" = 1'-0"



8 Typ. Control/Expansion Joint Detail
SCALE: 1 1/2" = 1'-0"



9 Typ. Control/Expansion Joint Detail
SCALE: 1 1/2" = 1'-0"



10 Typ. Control/Expansion Joint Detail
SCALE: 1 1/2" = 1'-0"

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KEM	JHG		

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New Storage Building (Phase I)
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872 Blooming Grove Turnpike
New Windsor, NY 12553

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ARCHITECTURE
WALL TRANSITION AND COLUMN DETAILS
NEW FIRE STATION
PHASE 2

DRAWING No.

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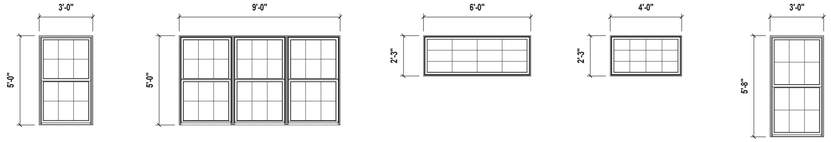
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GENERAL WINDOW NOTES

1. VERIFY ALL WINDOW OPENINGS, REQUIRED CLEARANCES, MEANS OF ATTACHEMENT, AND INSTALLATION PRIOR TO PURCHASE.
2. ALL MULTIPLE UNIT WINDOWS ARE TO BE FACTORY MULLIED - FIELD MILLED UNITS WILL NOT BE PERMITTED.
3. RE-CAULK ALL LINTELS AFTER WINDOW INSTALLATION.
4. SEE EXTERIOR ELEVATIONS ON A2 200 AND A2 201 FOR ADDITIONAL INFORMATION.

WINDOW SCHEDULE

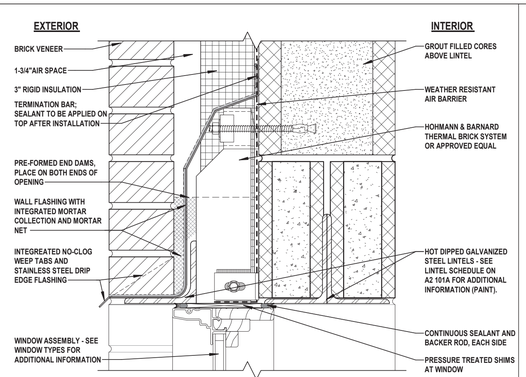
MARK	WINDOW TYPE	FRAME TYPE	ROUGH DIMENSIONS		UNIT DIMENSIONS		DETAILS			GLAZING TYPE	COMMENTS
			WIDTH	HEIGHT	WIDTH	HEIGHT	HEAD	JAMB	SILL		
A	DOUBLE-HUNG	FIBERGLASS/WOOD COMPOSITE	3' - 0 1/2"	5' - 0 1/4"	3' - 0"	5' - 0"	WH2	WJ2	WS2	LOW-E	
B1	DOUBLE-HUNG	FIBERGLASS/WOOD COMPOSITE	9' - 0 1/2"	5' - 0 1/4"	9' - 0"	5' - 0"	WH2	WJ2	WS2	LOW-E	
B2	DOUBLE-HUNG	FIBERGLASS/WOOD COMPOSITE	9' - 0 1/2"	5' - 0 1/4"	9' - 0"	5' - 0"	WH2	WJ2	WS2	LOW-E	PRIVACY GLAZING
C	FIXED	FIBERGLASS/WOOD COMPOSITE	6' - 1"	2' - 3 5/8"	6' - 0"	2' - 3 1/8"	WH1	WJ1	WS1	LOW-E	
D	FIXED	FIBERGLASS/WOOD COMPOSITE	4' - 1"	2' - 3 5/8"	4' - 0"	2' - 3 1/8"	WH1	WJ1	WS1	LOW-E	
E	DOUBLE-HUNG	FIBERGLASS/WOOD COMPOSITE	3' - 0 1/2"	5' - 8 1/4"	3' - 0"	5' - 8"	WH2	WJ2	WS2	LOW-E	



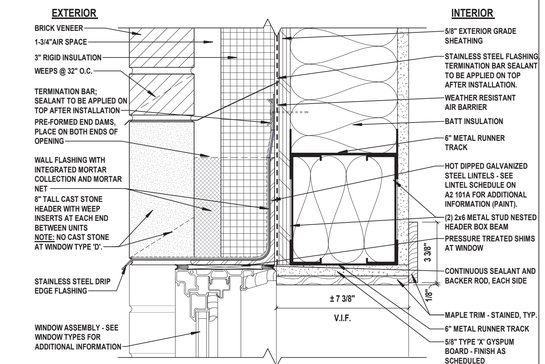
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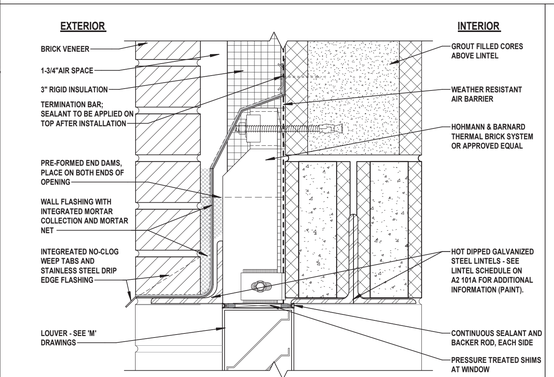
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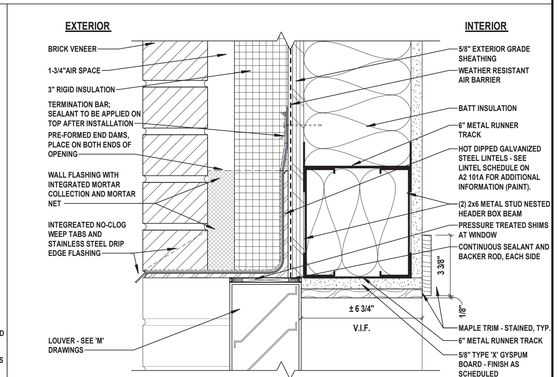
WH1 Window Head (Lintel Clip)
SCALE: 3" = 1'-0" | H2M Ref # WH3C-003



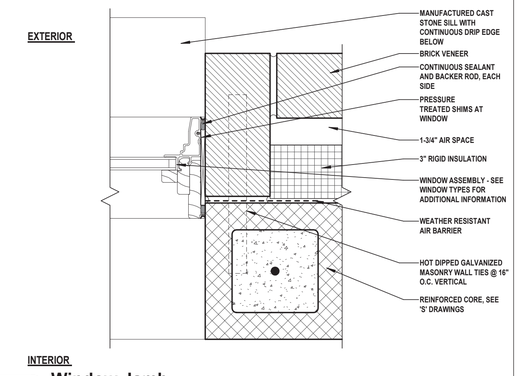
WH2 Window Head Stud Wall (Clip)
SCALE: 3" = 1'-0" | H2M Ref # WH13-026



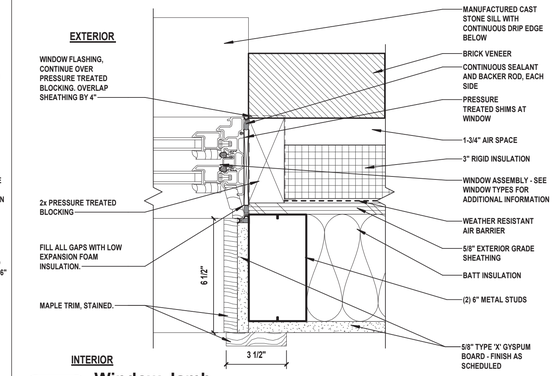
LH1 Louver Head (Lintel Clip)
SCALE: 3" = 1'-0" | H2M Ref # WH3C-003



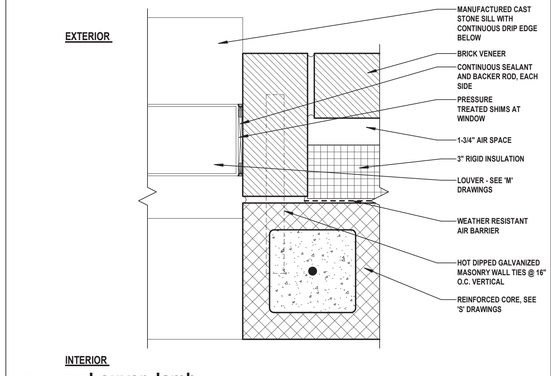
LH2 Louver Head Stud Wall (Clip)
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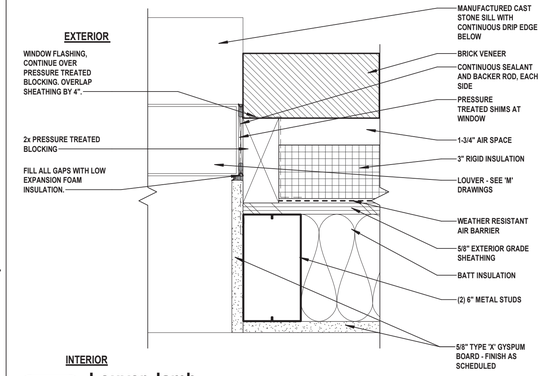
WJ1 Window Jamb
SCALE: 3" = 1'-0" | H2M Ref # WJ3-003



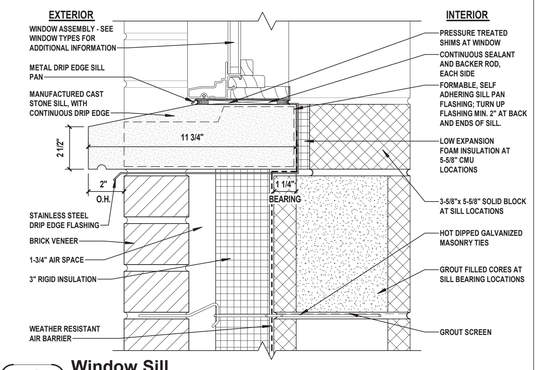
WJ2 Window Jamb
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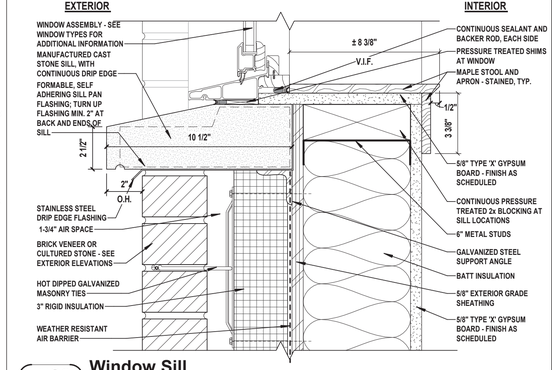
LJ1 Louver Jamb
SCALE: 3" = 1'-0" | H2M Ref # WJ3-003



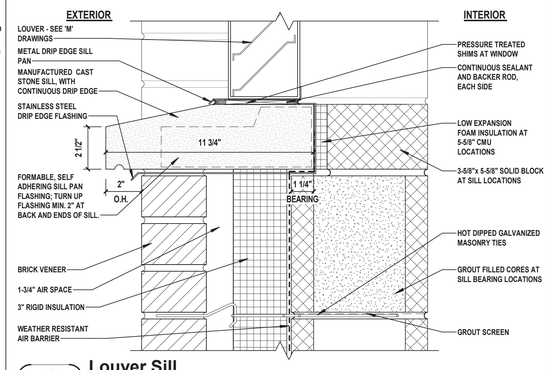
LJ2 Louver Jamb
SCALE: 3" = 1'-0" | H2M Ref # WJ13-026



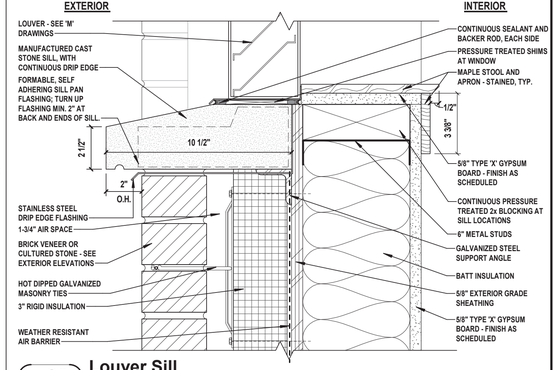
WS1 Window Sill
SCALE: 3" = 1'-0" | H2M Ref # WS3-003



WS2 Window Sill
SCALE: 3" = 1'-0" | H2M Ref # WS13-026



LS1 Louver Sill
SCALE: 3" = 1'-0" | H2M Ref # WS3-003



LS2 Louver Sill
SCALE: 3" = 1'-0" | H2M Ref # WS13-026

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ARCHITECTURE
WINDOW SCHEDULE, TYPES, DETAILS, AND NOTES
NEW FIRE STATION
PHASE 2

DRAWING No.

A2 510.00

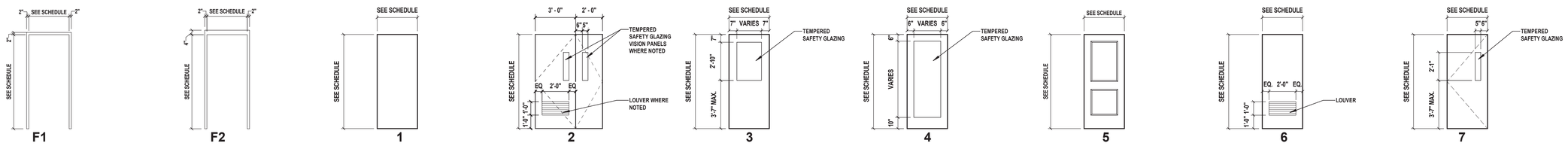
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DOOR SCHEDULE

DOOR NO.	FROM ROOM NAME	FROM ROOM NUMBER	TO ROOM NAME	TO ROOM NUMBER	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SADDLE	FIRE RATING	HARDWARE SET	SECURITY ACCESS	SELF CLOSING	DOOR SIGNAGE	WEATHER STRIPPING	PANIC HARDWARE	COMMENTS
101A	EXTERIOR	EXT.	APPARATUS ROOM	101	36"	84"	1 3/4"	7	HM	PAINT	F2	HM	PAINT	DH1	DJ1	DS7	-	HS1	-	•	-	•	•	
101B	EXTERIOR	EXT.	APPARATUS ROOM	101	36"	84"	1 3/4"	7	HM	PAINT	F2	HM	PAINT	DH1	DJ1	DS7	-	HS1	-	•	-	•	•	
101C	APPARATUS ROOM	101	CORRIDOR	113	(2) 36" + 24"	84"	1 3/4"	2	HM	PAINT	F2	HM	PAINT	DH4	DJ4	DS6	1 HR	HS7	-	•	•	-	-	VISION PANEL
102	APPARATUS ROOM	101	RADIO ROOM	102	36"	84"	1 3/4"	7	HM	PAINT	F2	HM	PAINT	DH4	DJ4	DS6	1 HR	HS5A	-	•	•	•	-	
103A	APPARATUS ROOM	101	STORAGE 1	103	(2) 36" + 24"	84"	1 3/4"	2	HM	PAINT	F2	HM	PAINT	DH3	DJ3	-	1 HR	HS7	-	•	•	-	-	
103B	EXTERIOR	EXT.	STORAGE 1	103	(2) 36" + 24"	84"	1 3/4"	2	HM	PAINT	F2	HM	PAINT	DH1	DJ1	DS7	-	HS7A	-	-	-	•	-	
104	APPARATUS ROOM	101	STORAGE 2	104	36"	84"	1 3/4"	1	HM	PAINT	F2	HM	PAINT	DH3	DJ3	-	1 HR	HS3B	-	•	•	-	-	
105A	APPARATUS ROOM	101	DECON ROOM	105	36"	84"	1 3/4"	6	HM	PAINT	F2	HM	PAINT	DH3	DJ3	-	1 HR	HS4	-	•	•	-	-	
105B	EXTERIOR	EXT.	DECON ROOM	105	36"	84"	1 3/4"	1	HM	PAINT	F2	HM	PAINT	DH1	DJ1	DS7	-	HS14	-	•	•	-	-	
106	APPARATUS ROOM	101	LAUNDRY	106	(2) 36" + 24"	84"	1 3/4"	2	HM	PAINT	F2	HM	PAINT	DH3	DJ3	-	-	HS7	-	-	•	-	-	VISION PANEL AND LOUVER
107A	APPARATUS ROOM	101	GEAR ROOM	107	36"	84"	1 3/4"	7	HM	PAINT	F2	HM	PAINT	DH3	DJ3	-	1 HR	HS2	-	•	•	•	-	
107B	APPARATUS ROOM	101	GEAR ROOM	107	36"	84"	1 3/4"	7	HM	PAINT	F2	HM	PAINT	DH3	DJ3	-	1 HR	HS2	-	•	•	•	-	
107C	EXTERIOR	EXT.	GEAR ROOM	107	36"	84"	1 3/4"	7	HM	PAINT	F2	HM	PAINT	DH1	DJ1	DS7	-	HS1	-	•	-	•	•	
107D	GEAR ROOM	107	CORRIDOR	113	36"	84"	1 3/4"	7	HM	PAINT	F2	HM	PAINT	DH4	DJ4	DS6	1 HR	HS2	-	•	•	-	-	
108	APPARATUS ROOM	101	TOILET ROOM	108	36"	84"	1 3/4"	6	HM	PAINT	F2	HM	PAINT	DH3	DJ3	DS6	-	HS4	-	•	•	-	-	
109	APPARATUS ROOM	101	SCBA	109	(2) 36" + 24"	84"	1 3/4"	2	HM	PAINT	F2	HM	PAINT	DH3	DJ3	DS6	-	HS7	-	-	•	-	-	VISION PANEL AND LOUVER
111	CORRIDOR	113	SPARE TURNOUT GEAR	111	36"	84"	1 3/4"	6	HM	PAINT	F1	HM	PAINT	DH4	DJ4	DS6	1 HR	HS3	-	•	•	-	-	
112A	EXTERIOR	EXT.	VENDOR DROP OFF	112	36"	84"	1 3/4"	3	HM	PAINT	F2	HM	PAINT	DH2	DJ2	DS5	-	HS14	-	•	•	•	-	
112B	VENDOR DROP OFF	112	CORRIDOR	113	36"	84"	1 3/4"	3	HM	PAINT	F1	HM	PAINT	DH5	DJ5	-	-	HS3A	-	-	•	-	-	NOT AN EXIT SIGNAGE
113A	CORRIDOR	113	STAIR 'A'	A	36"	84"	1 3/4"	7	WD	STAIN	F1	HM	PAINT	DH5	DJ5	-	1 HR	HS6	-	•	•	-	•	
113B	EXTERIOR	EXT.	STAIR 'A'	A	36"	84"	1 3/4"	7	HM	PAINT	F2	HM	PAINT	DH2	DJ2	DS5	-	HS1	-	•	-	•	•	
114	CORRIDOR	113	QUARTERMASTER	114	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	1 HR	HS3B	-	•	•	-	-	
115	CORRIDOR	113	JANITORS CLOSET	115	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS4	-	HS3B	-	-	•	-	-	
116A	CORRIDOR	113	MEETING ROOM	116	36"	84"	1 3/4"	5	WD	STAIN	F1	HM	PAINT	DH5	DJ5	-	-	HS3A	-	•	•	-	-	NOT AN EXIT SIGNAGE
116B	EXTERIOR	EXT.	MEETING ROOM	116	36"	84"	1 3/4"	7	WD	STAIN	F1	HM	PAINT	DH2	DJ2	DS5	-	HS1	-	•	-	•	•	
116C	LOBBY	125A	MEETING ROOM	116	(2) 36"	84"	1 1/2"	5	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS8	1 HR	HS10	-	•	•	-	•	
117	MEETING ROOM	116	STORAGE	117	(2) 36" + 24"	84"	1 3/4"	2	WD	STAIN	F1	HM	PAINT	DH5	DJ5	-	1 HR	HS7	-	•	•	-	-	LOUVER
118A	CORRIDOR	113	KITCHEN	118	36"	84"	1 3/4"		WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS2		HS3A	-	•	•	-	-	NOT AN EXIT SIGNAGE
118B	MEETING ROOM	116	KITCHEN	118	36"	84"	1 3/4"	5	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS2	-	HS5A	-	-	•	-	-	
119	KITCHEN	118	PANTRY	119	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS2	1 HR	HS3	-	•	•	-	-	
120	CORRIDOR	113	READY ROOM	120	36"	84"	1 3/4"	3	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	-	HS5	-	-	•	-	-	
121	CORRIDOR	113	MECHANICAL ROOM	121	(2) 36" + 24"	84"	1 3/4"	2	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS4	1 HR	HS7	-	•	•	-	-	
122	CORRIDOR	113	ELECTRICAL ROOM	122	36"	84"	1 3/4"	1	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS4	1 HR	HS8	-	•	•	-	-	
123	CORRIDOR	113	ELEVATOR LOBBY	123	36"	84"	1 3/4"	7	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	-	HS6A	-	•	-		•	
125A	LOBBY	125A	ELEVATOR LOBBY	123	36"	84"	1 3/4"	7	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	1 HR	HS6	-	•	-	-	•	
125B	LOBBY	125A	CLOSET	125B	(2) 30"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6		HS9	-	-	•	-	-	
126A	EXTERIOR	EXT.	VESTIBULE	126	72"	84"	1 3/4"	4	ALM	AN	F1	ALM	AN	DH5	DJ5	DS1	-	HS11	-	•	-	•	•	STOREFRONT SYSTEM - 1" INSULATED GLAZING
126B	LOBBY	125A	VESTIBULE	126	72"	84"	1 3/4"	4	ALM	AN	F1	ALM	AN	DH5	DJ5	DS3		HS11A	-	•	-	-	-	STOREFRONT SYSTEM - 1/4" GLAZING
127	LOBBY	125A	MEN'S TOILET ROOM	127	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS3	1 HR	HS2	-	•	•	-	-	
128	LOBBY	125A	WOMEN'S TOILET ROOM	128	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS3	1 HR	HS2	-	•	•	-	-	
OH1	EXTERIOR	EXT.	APPARATUS ROOM	101	168"	168"	3"	O-1	MFR.	MFR.	MFR.	MFR.	MFR.	1/A2 522	2/A2 522	3/A2 522		-	-	-	-	-	-	
OH2	EXTERIOR	EXT.	APPARATUS ROOM	101	168"	168"	3"	O-1	MFR.	MFR.	MFR.	MFR.	MFR.	1/A2 522	2/A2 522	3/A2 522	-	-	-	-	-	-	-	
OH3	EXTERIOR	EXT.	APPARATUS ROOM	101	168"	168"	3"	O-1	MFR.	MFR.	MFR.	MFR.	MFR.	1/A2 522	2/A2 522	3/A2 522	-	-	-	-	-	-	-	
OH4	EXTERIOR	EXT.	APPARATUS ROOM	101	168"	168"	3"	O-1	MFR.	MFR.	MFR.	MFR.	MFR.	1/A2 522	2/A2 522	3/A2 522	-	-	-	-	-	-	-	
OH5	EXTERIOR	EXT.	APPARATUS ROOM	101	168"	168"	3"	O-1	MFR.	MFR.	MFR.	MFR.	MFR.	1/A2 522	2/A2 522	3/A2 522	-	-	-	-	-	-	-	
OH6	EXTERIOR	EXT.	APPARATUS ROOM	101	168"	168"	3"	O-2	MFR.	MFR.	MFR.	MFR.	MFR.	1/A2 522	2/A2 522	3/A2 522	-	-	-	-	-	-	-	
201	CORRIDOR	201	STAIR 'B'	B	36"	84"	1 3/4"	1	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	1 HR	HS6	-	•	•	-	•	
202	CORRIDOR	201	CONFERENCE ROOM	202	36"	84"	1 3/4"	1	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	-	HS5A	-	-	•	-	-	
203A	COMPANY ROOM	203A	CORRIDOR	201	36"	84"	1 3/4"	1	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	-	HS5	-	-	•	-	-	
203B	COMPANY ROOM	203A	TRAINING ROOM	206	36"	84"	1 3/4"	7	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	-	HS5A	-	-	•	-	-	
204	COMPANY ROOM	203A	STORAGE	204	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	1 HR	HS3	-	•	•	-	-	
205	TRAINING ROOM	206	STORAGE	205	(2) 36" + 24"	84"	1 3/4"	2	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	1 HR	HS7	-	•	•	-	-	
206A	CORRIDOR	201	TRAINING ROOM	206	36"	84"	1 3/4"	7	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	-	HS5	-	•	•	-	•	
206B	TRAINING ROOM	206	STAIR 'A'	A	36"	84"	1 3/4"	7	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	1 HR	HS6A	-	•	•	-	•	
207A	CORRIDOR	210	EXCERCISE ROOM	207	(2) 36"	84"	1 1/2"	4	ALM	AN	F1	ALM	AN	DH5	DJ5	DS6	-	HS12	-	•	•	-	-	STOREFRONT SYSTEM - 1/4" GLAZING
207B	CORRIDOR	201	EXCERCISE ROOM	207	36"	84"	1 3/4"	4	ALM	AN	F1	ALM	AN	DH5	DJ5	DS6	-	HS13	-	•	•	-	-	STOREFRONT SYSTEM - 1/4" GLAZING
208	CORRIDOR	201	BATHROOM	208	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS2	-	HS4	-	•	•	-	-	
209	CORRIDOR	201	BATHROOM	209	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS2	-	HS4	-	•	•	-	-	
210A	CORRIDOR	210	CORRIDOR	201	36"	84"	1 3/4"	7	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	-	HS6A	-	•	•	-	•	
210B	CORRIDOR	210	STAIR 'A'	A	36"	84"	1 3/4"	7	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	1 HR	HS6	-	•	•	-	•	
211	COMISSIONERS OFFICE	211	CORRIDOR	210	36"	84"	1 3/4"	1	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6		HS15	-	-	•	-	-	
211B	CORRIDOR	210	MEZZANINE	221	(2) 36" + 24"	80"	1 3/4"	2	HM	PAINT	F2	HM	PAINT	DH5	DJ5	DS6	1 HR	HS7	-	•	•	•	-	VISION PANEL
212	CORRIDOR	210	TRUSTEES OFFICE	212	36"	84"	1 3/4"	1	WD	STAIN	F1	WD	PAINT	DH5	DJ5	DS6	-	HS15	-	-	•	-	-	
213	CORRIDOR	210	COMPANY OFFICERS	213	36"	84"	1 3/4"	1	WD	STAIN	F1	WD	PAINT	DH5	DJ5	DS6	-	HS15	-	-	•	-	-	
214	CORRIDOR	210	ASST. CHIEF OFFICE	214	36"	84"	1 3/4"	1	WD	STAIN	F1	WD	PAINT	DH5	DJ5	DS6	-	HS15	-	-	•	-	-	
215	CORRIDOR	210	CHIEF OFFICE	215	36"	84"	1 3/4"	1	WD	STAIN	F1	WD	PAINT	DH5	DJ5	DS6	-	HS15	-	-	•	-	-	
216	CORRIDOR	210	ADMIN STORAGE	216	36"	84"	1 3/4"	6	WD	STAIN	F1	WD	PAINT	DH5	DJ5	DS6	1 HR	HS3C	-	•	•	-	-	
217	CORRIDOR	210	RATED STORAGE 1	217	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	1 HR	HS3A	-	•	•	-	-	
218	CORRIDOR	210	RATED STORAGE 2	218	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	1 HR	HS3A	-	•	•	-	-	
219	CORRIDOR	210	NETWORK I.T.	219	36"	84"	1 3/4"	1	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	-	HS3C	-	-	•	-	-	
220	CORRIDOR	210	JANITORS CLOSET	220	36"	84"	1 3/4"	6	WD	STAIN	F1	HM	PAINT	DH5	DJ5	DS6	-	HS3B	-	-	•	-	-	

ABBREVIATIONS & SYMBOLS:

AN = ANODIZED | ALM = ALUMINUM | HM = HOLLOW METAL | WD = WOOD | • = APPLICABLE | - = NOT APPLICABLE



1 Door & Frame Types

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

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION
1	8/19/2022	ADDENDUM #1
2	12/22/2022	REVS. PER TOWN COMMENTS

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

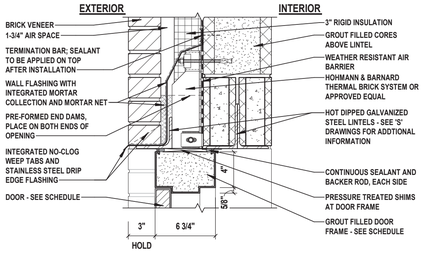
ARCHITECTURE
NEW FIRE STATION
DOOR SCHEDULE, DOOR AND FRAME TYPES
PHASE 2

DRAWING No.

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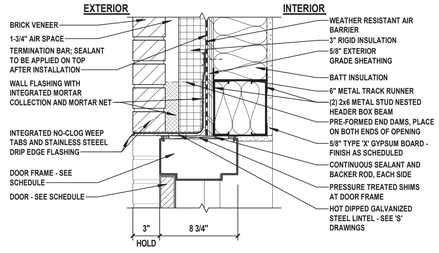
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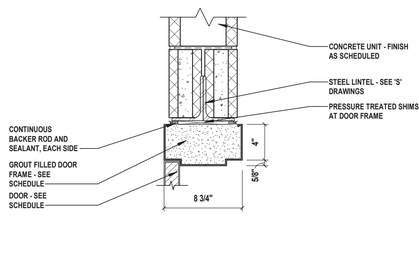
DH1 Door Head (Lintel)

SCALE: 1 1/2" = 1'-0" — H2M Ref # DH3A-003



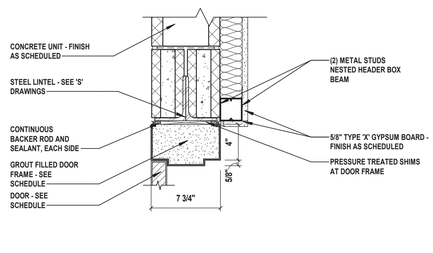
DH2 Door Head

SCALE: 1 1/2" = 1'-0" — H2M Ref # DH22-027



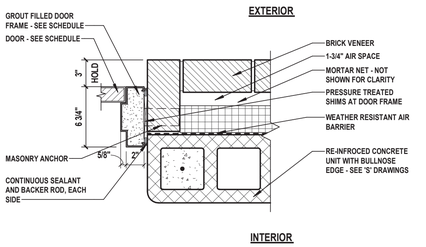
DH3 Door Head (Lintel)

SCALE: 1 1/2" = 1'-0" — H2M Ref # DH51A-101



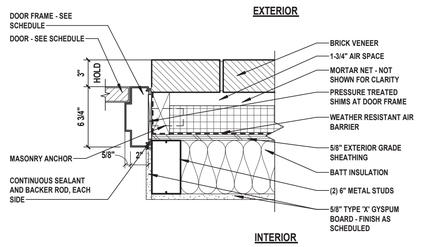
DH4 Door Head (Lintel)

SCALE: 1 1/2" = 1'-0" — H2M Ref # DH54A-103



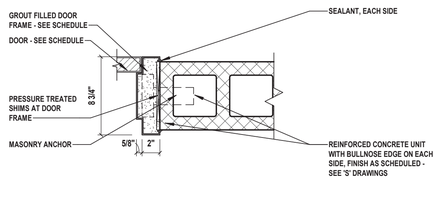
DJ1 Door Jamb (Ext. Return)

SCALE: 1 1/2" = 1'-0" — H2M Ref # DJ3A-003



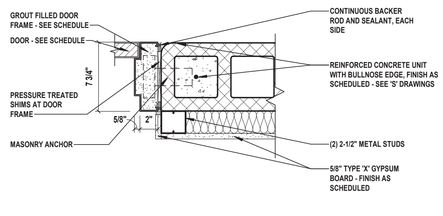
DJ2 Door Jamb

SCALE: 1 1/2" = 1'-0" — H2M Ref # DJ22-027



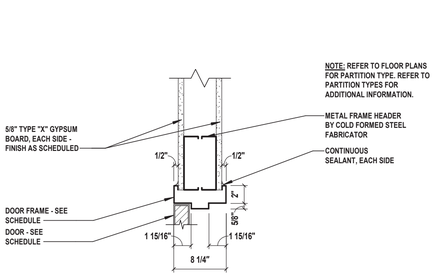
DJ3 Door Jamb

SCALE: 1 1/2" = 1'-0" — H2M Ref # DJ51-101



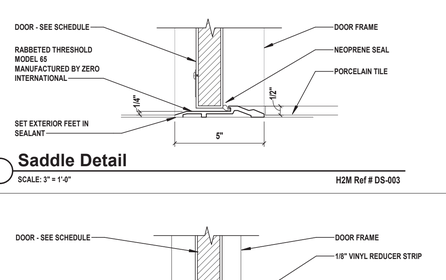
DJ4 Door Jamb

SCALE: 1 1/2" = 1'-0" — H2M Ref # DJ54-103



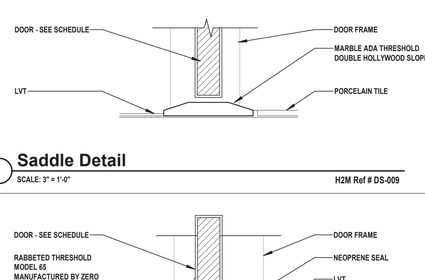
DH5 Door Head

SCALE: 1 1/2" = 1'-0" — H2M Ref # DH67-132



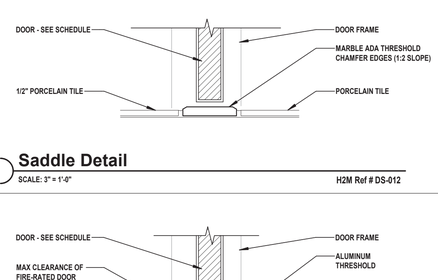
DS1 Saddle Detail

SCALE: 3" = 1'-0" — H2M Ref # DS-003



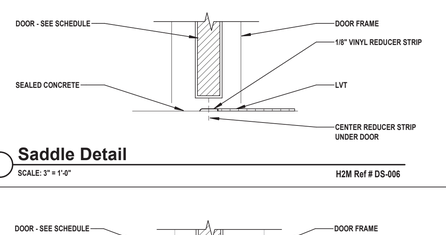
DS2 Saddle Detail

SCALE: 3" = 1'-0" — H2M Ref # DS-009



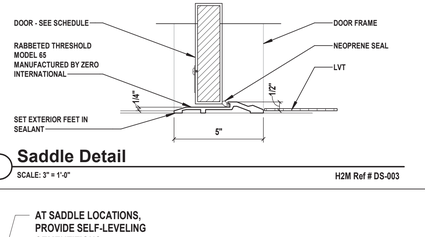
DS3 Saddle Detail

SCALE: 3" = 1'-0" — H2M Ref # DS-012



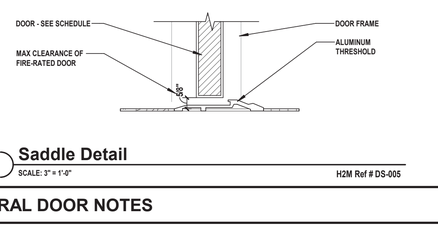
DS4 Saddle Detail

SCALE: 3" = 1'-0" — H2M Ref # DS-006



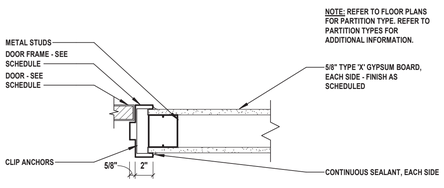
DS5 Saddle Detail

SCALE: 3" = 1'-0" — H2M Ref # DS-003



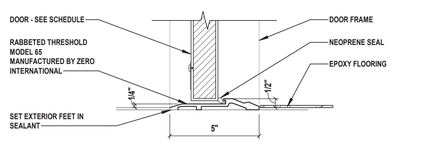
DS6 Saddle Detail

SCALE: 3" = 1'-0" — H2M Ref # DS-005



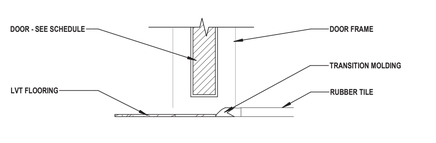
DJ5 Door Jamb

SCALE: 1 1/2" = 1'-0" — H2M Ref # DJ67-132



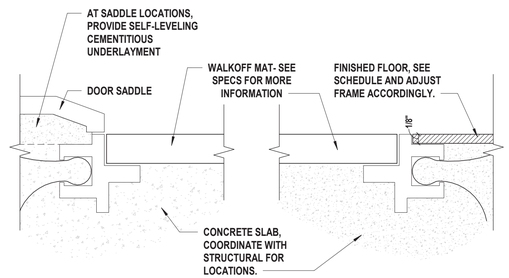
DS7 Saddle Detail

SCALE: 3" = 1'-0" — H2M Ref # DS-003



DS8 Saddle Detail

SCALE: 3" = 1'-0" — H2M Ref # CE-001



NOTE:
USE MUNSON FRAME TYPE 'C' FOR ALL WALKOFF MATS. ADJUST ACCORDINGLY BASED ON FINISH THICKNESS.

1 Walkoff Mat Detail

SCALE: 12" = 1'-0"

GENERAL DOOR NOTES

1. ALL DOOR FRAMES TO BE 4" FROM FINISHED WALL SURFACE UNLESS DIMENSIONED OR NOTED OTHERWISE.
2. ALL DOOR FROM PLACES OF ASSEMBLY (ROOMS WITH GREATER THAN 50 PERSONS) SEE CODE PLAN, ARE TO RECEIVE PANIC DEVICE HARDWARE. UNLESS NOTED OTHERWISE.
3. ALL INTERIOR DOORS SHALL HAVE A 1/2" UNDERCUT. UNDERCUT SHALL BE MEASURED FROM THE TOP OF SADDLE. CONTRACTOR TO VERIFY IN FIELD AND COORDINATE WITH FINISHES.
4. EVERY ROOM OR SPACE USED AS AN ASSEMBLY OCCUPANCY, SHALL HAVE THE OCCUPANT LOAD OF THE ROOM / SPACE CONSPICUOUSLY POSTED NEAR THE MAIN EXIT OF THE ROOM / SPACE.
5. TACTILE EXIT SIGNAGE SHALL BE PROVIDED ADJACENT TO EACH DOOR SERVING AN EXIT STAIRWAY, EXIT PASSAGEWAY OR EXIT DISCHARGE AS DETERMINED BY THE FIRE MARSHALL / AUTHORITY HAVING JURISDICTION.
6. ALL DOOR FRAMES WITHIN A MASONRY WALL SHALL HAVE A 4" HEAD.
7. ALL GLAZING WITHIN 18" A.F.F. ARE TO RECEIVE SAFETY GLAZING.
8. ALL FIRE RATED DOORS SHALL BE SELF-CLOSING AND SELF-LATCHING.
9. ALL GLAZING IN EXTERIOR DOORS TO BE CLEAR GLASS, LOW-E, ARGON GAS FILLED. OUTBOARD LIGHT TO BE TEMPERED AND INBOARD LITE TO BE LAMINATED. CONTRACTOR IS RESPONSIBLE TO VERIFY UNIT DIMENSIONS WITH MANUFACTURER.
10. CONTRACTOR TO COORDINATE WITH OWNER'S SECURITY VENDOR ON DOORS TO RECEIVE ELECTRONIC EQUIPMENT AND SECURITY ACCESS. CONTRACTOR TO PREP DOORS AND FRAMES AS NECESSARY.

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CONSULTANTS:

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REGISTERED ARCHITECT ROBERT J. BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
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VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

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CONTRACT

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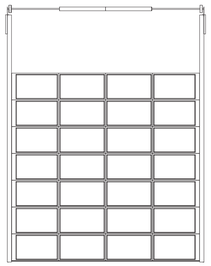
SHEET TITLE

ARCHITECTURE
DOOR DETAILS
NEW FIRE STATION
PHASE 2

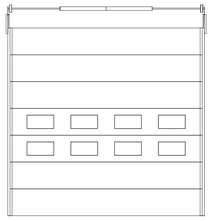
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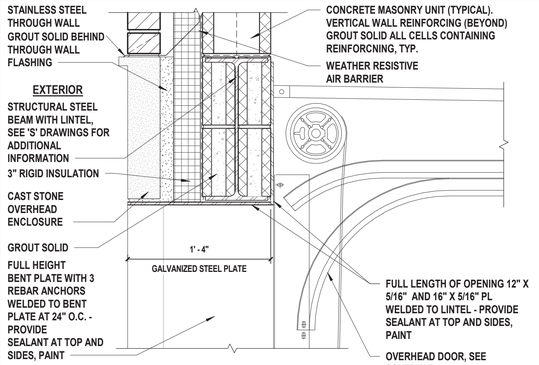
TYPE O-1



TYPE O-2

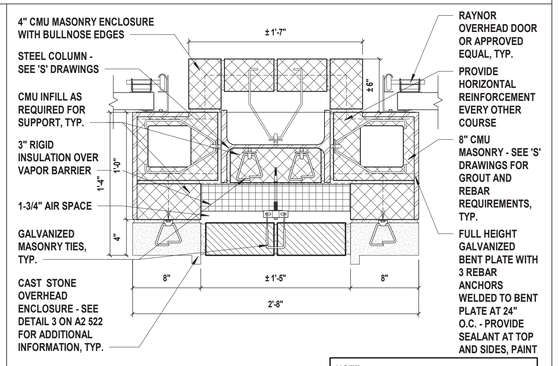
Overhead Door Types

SCALE: 3/16" = 1'-0"



1 O.H. Door - Head Detail

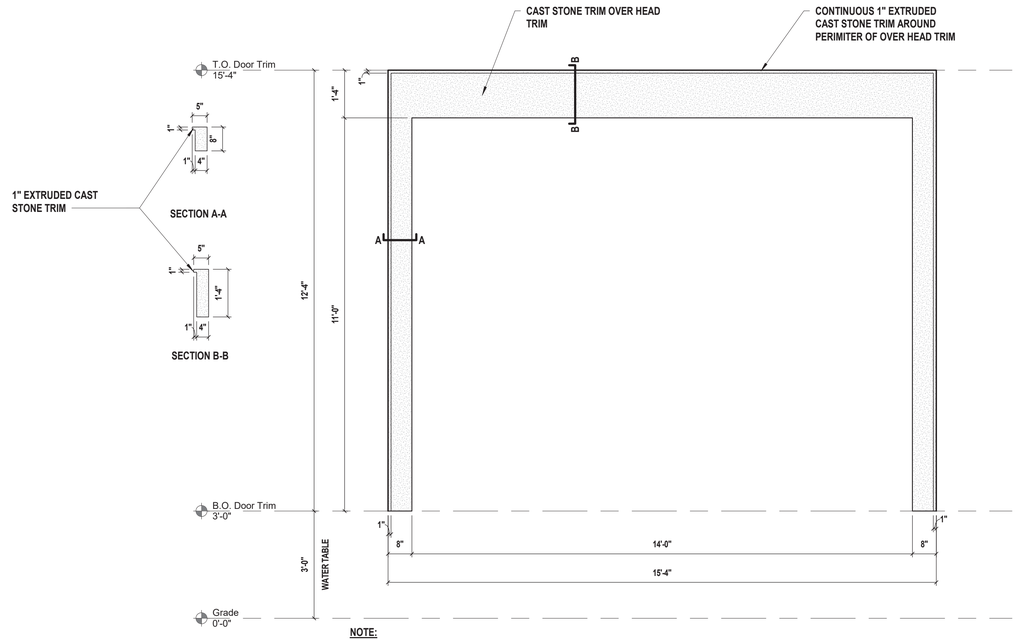
SCALE: 1 1/2" = 1'-0"



2 O.H. Door - Jamb Detail

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

NOTE:
SEE 'P' DRAWINGS FOR HOSE BIB LOCATIONS WITHIN COLUMN ENCLOSURES

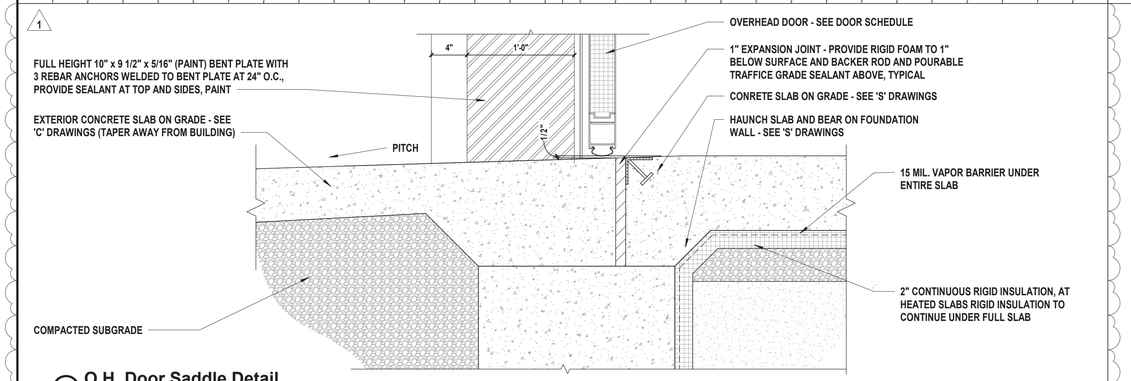


4 Cast Stone O.H. Door Trim

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

NOTE:

1. FINAL COLOR, AND FINISH TEXTURE TO BE SELECTED BY OWNER AND ARCHITECT DURING SHOP DRAWING REVIEW. DISPLAYED INFORMATION IS FOR REFERENCE ONLY.
2. CONTRACTOR TO INSTALL CAST STONE AS PER MANUFACTURERS REQUIREMENTS AND TO PROVIDE A WEATHERTIGHT SEAL
3. REFER TO CONCRETE NCMA TEK GUIDELINES FOR INSTALLATION METHODS FOR BRICK MASONRY / CAST STONE JOINTS.



3 O.H. Door Saddle Detail

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

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1	8/24/2022	ADDENDUM #1

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KEM	JHG		

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New Storage Building (Phase I)
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SHEET TITLE

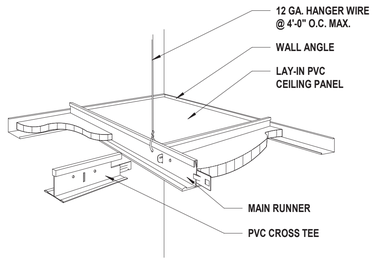
ARCHITECTURE
DOOR DETAILS
NEW FIRE STATION
PHASE 2

DRAWING No.

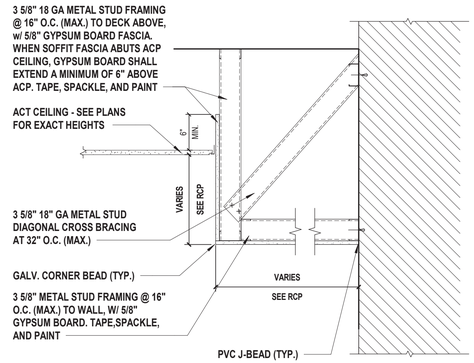
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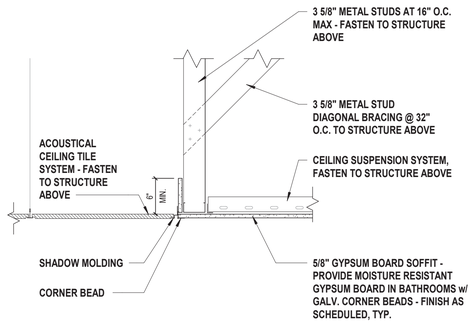
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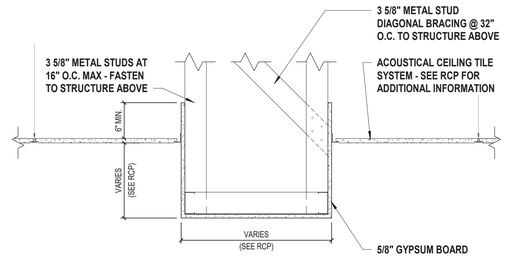
1 ACP Ceiling Detail
SCALE:NTS



2 Typical Soffit Ceiling Detail
SCALE: 1" = 1'-0"



3 Typical Soffit Ceiling Detail
SCALE: 1" = 1'-0"



NOTE: AT EXPOSED CEILING
LOCATIONS, RUN GYPSUM BOARD UP
TO UNDERSIDE OF STRUCTURE

4 Typical Soffit / Header Detail
SCALE: 1" = 1'-0"

5 Typical Soffit Ceiling Detail at Stair 'B'
SCALE: 1" = 1'-0"

6 Tool Alcove Ceiling Detail
SCALE: 1 1/2" = 1'-0"

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KEM	JHG		

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New Fire Station (Phase II)

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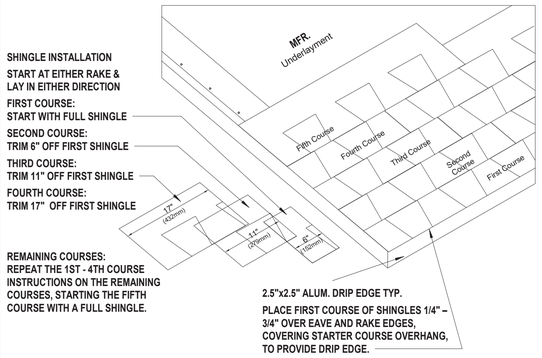
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ARCHITECTURE
CEILING AND SOFFIT DETAILS
NEW FIRE STATION
PHASE 2

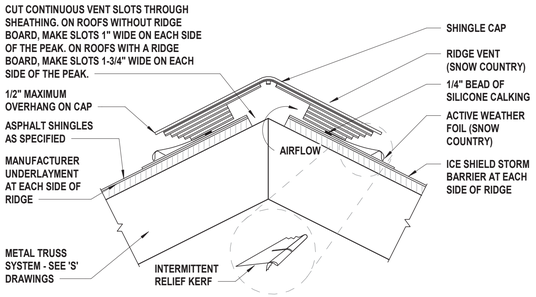
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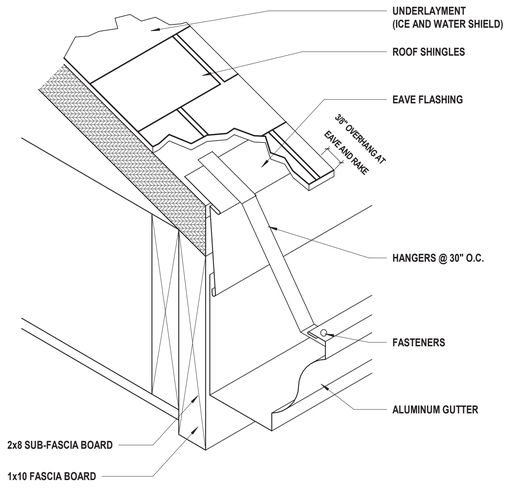


NOTES:
1.CONTINUE EACH COURSE WITH WHOLE SHINGLES.
2. STRIKE A CHALK LINE ABOUT EVERY 6 COURSES TO CHECK PARALLEL ALIGNMENT WITH EAVES.

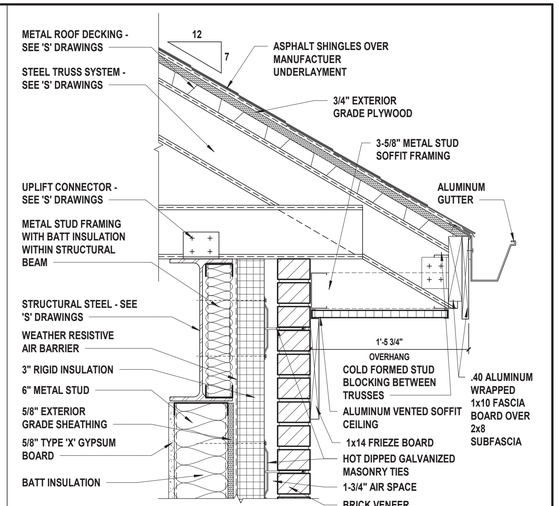
1 Shingle Installation Detail
SCALE:NTS



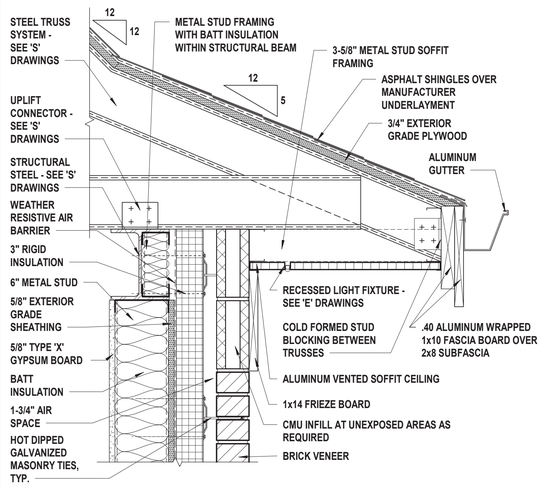
2 Ridge Vent Detail
SCALE: 3" = 1'-0"



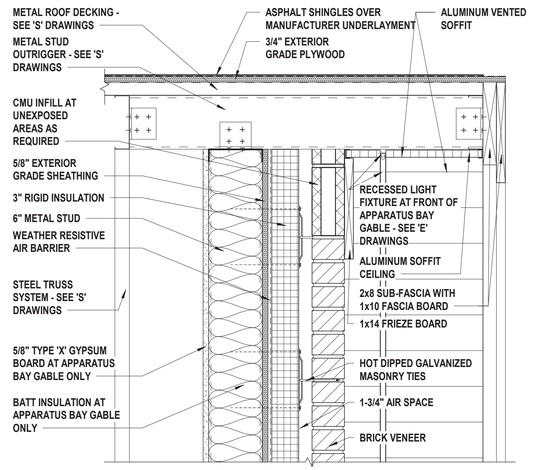
3 Gutter Detail
SCALE: 3" = 1'-0"



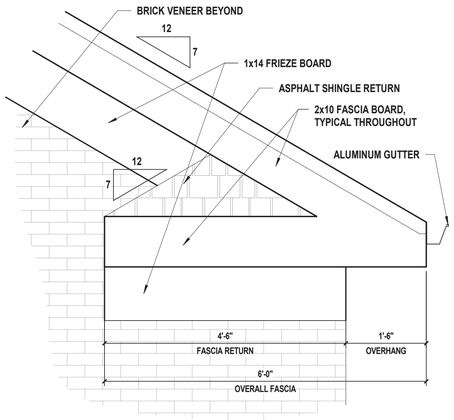
4 Eave Detail at Gable Ends
SCALE: 1 1/2" = 1'-0"



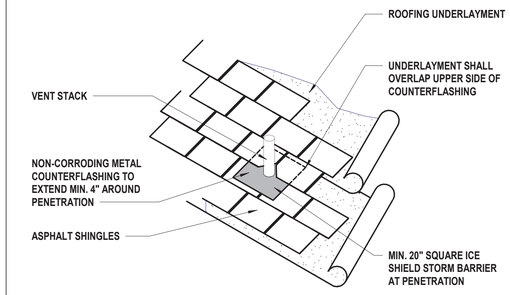
5 Eave Detail at Tower
SCALE: 1 1/2" = 1'-0"



6 Typical Rake Detail
SCALE: 1 1/2" = 1'-0"

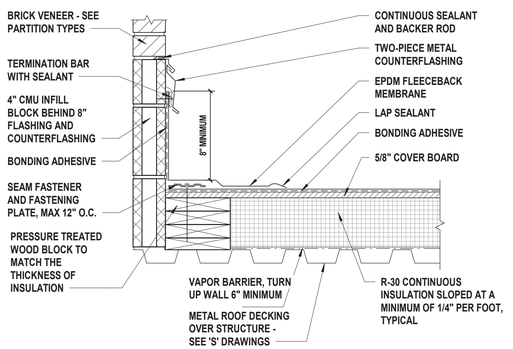


7 Fascia Board Return Detail
SCALE: 3/4" = 1'-0"

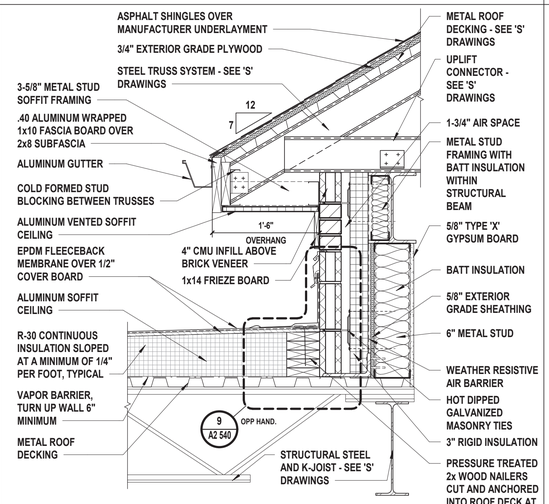


8 Plumbing Vent Flashing Detail
SCALE: 6" = 1'-0"

NOTE:
ALL EXTERIOR ROOF SHEATHING TO BE FIRE RETARDANT AS PER SPECIFICATION SECTION 061600 2.05A



9 EPDM Flashing Detail
SCALE: 1 1/2" = 1'-0"



10 Shingle to Flat Roof Transistion
SCALE: 1" = 1'-0"

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KEM	JHG		
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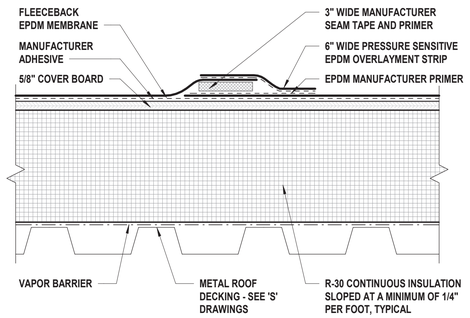
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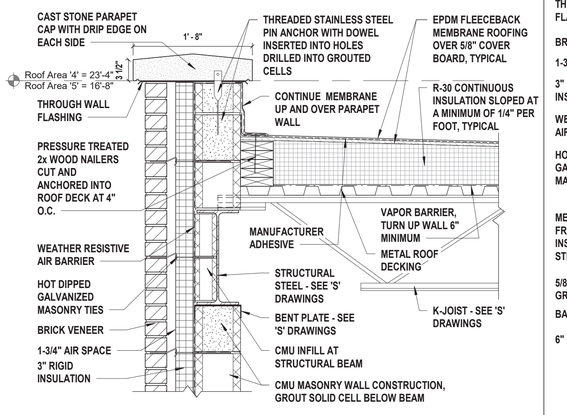
SHEET TITLE
ARCHITECTURE
NEW FIRE STATION
ROOF DETAILS
PHASE 2

DRAWING No.
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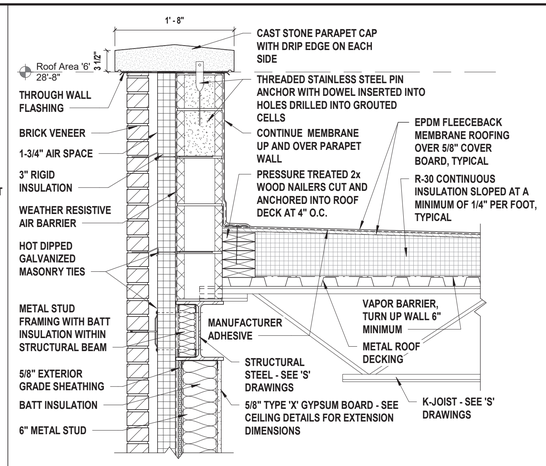
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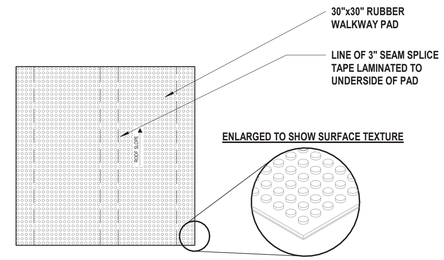
1 Typical EPDM Splice Detail
SCALE: 3" = 1'-0"



2 Typical Parapet Detail at Masonry Wall
SCALE: 1" = 1'-0"

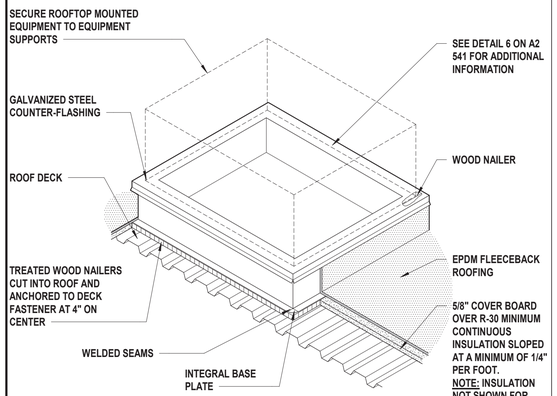


3 Typical Parapet Detail at Metal Stud Wall
SCALE: 1" = 1'-0"

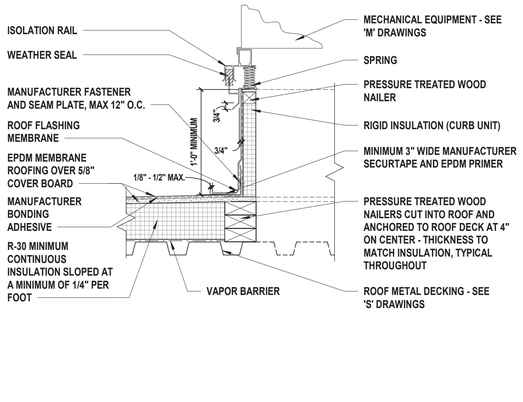


NOTES:
1. SEE PLANS FOR LOCATIONS AND QUANTITIES OF WALKWAY PADS
2. FINAL LOCATIONS AND QUANTITIES TO BE DETERMINED IN FIELD WITH ARCHITECT OF RECORD

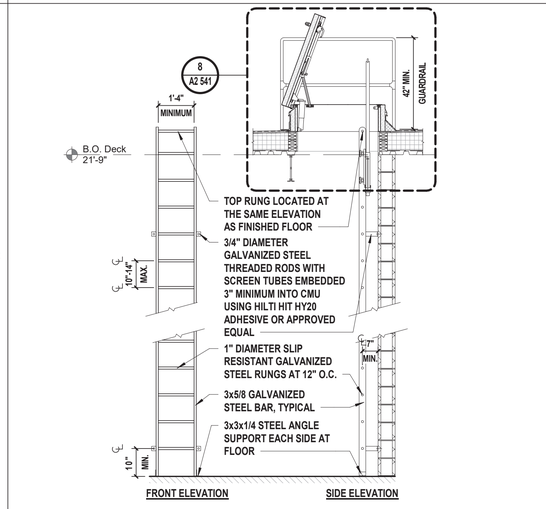
4 Typical Walkway Pad Detail
SCALE: 12" = 1'-0"



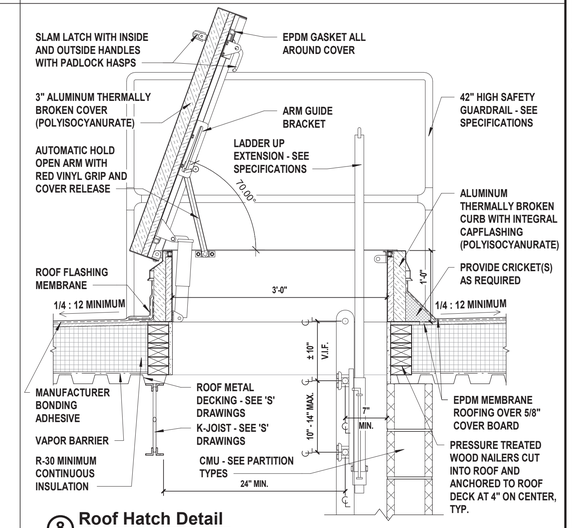
5 Equipment Support Detail 1 of 2
SCALE: 1 1/2" = 1'-0"



6 Equipment Support Detail 2 of 2
SCALE: 1 1/2" = 1'-0"

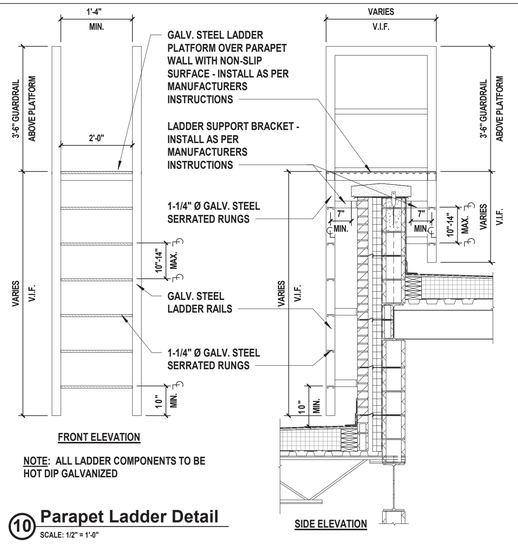


7 Roof Hatch Ladder Detail
SCALE: 3/8" = 1'-0"

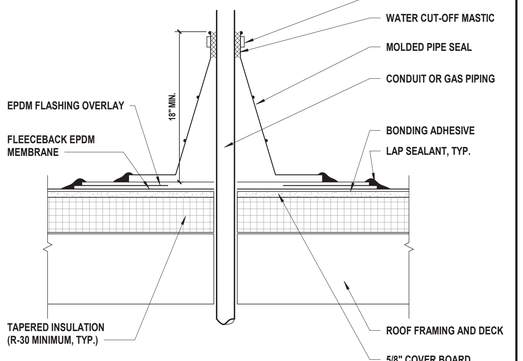


8 Roof Hatch Detail
SCALE: 1" = 1'-0"

9 Roof Drain Detail
SCALE: 1 1/2" = 1'-0"



10 Parapet Ladder Detail
SCALE: 1/2" = 1'-0"



11 Typical Pipe Penetration Detail
SCALE: 1 1/2" = 1'-0"

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Melville, NY 11747
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CONSULTANTS:

MARK	DATE	DESCRIPTION

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KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT
VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

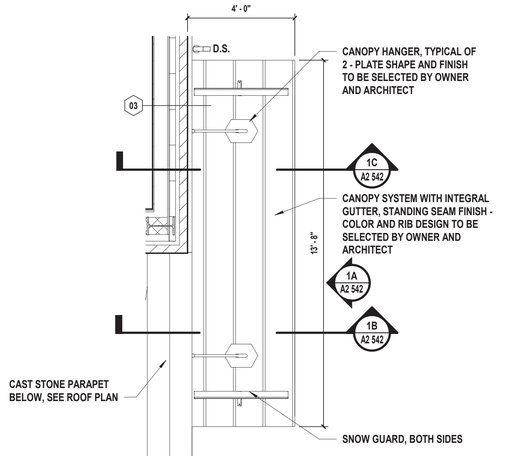
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STATUS
FINAL BID DOCUMENT

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ARCHITECTURE
ROOF DETAILS
NEW FIRE STATION
PHASE 2

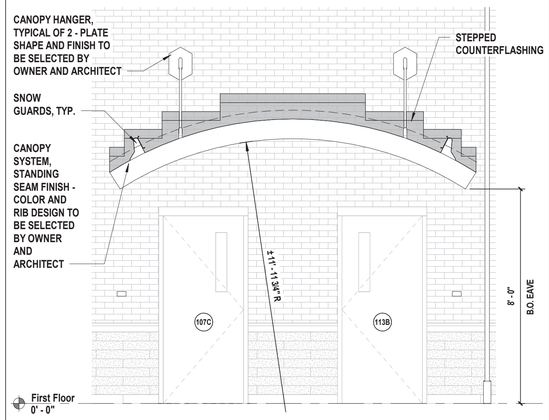
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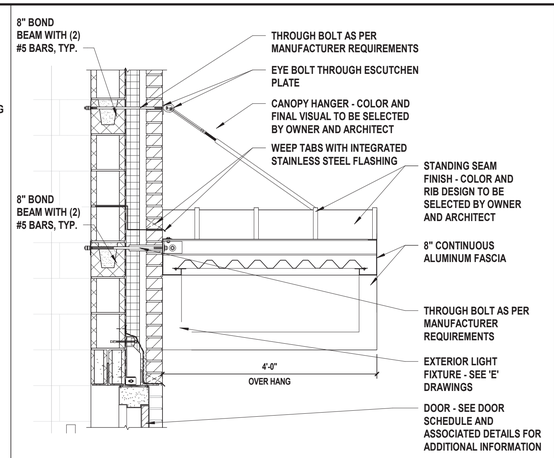
1 Enlarged Side Entrance Canopy Roof Plan

SCALE: 3/8" = 1'-0"



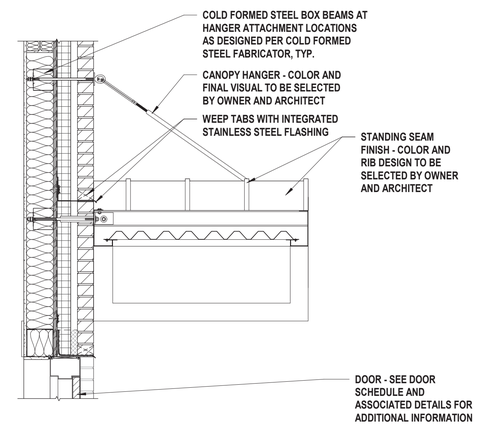
1A Side Entry Elevation

SCALE: 3/8" = 1'-0"



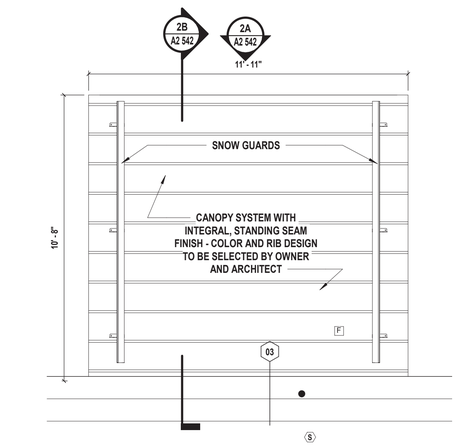
1B Side Entry Section at CMU Masonry

SCALE: 3/4" = 1'-0"



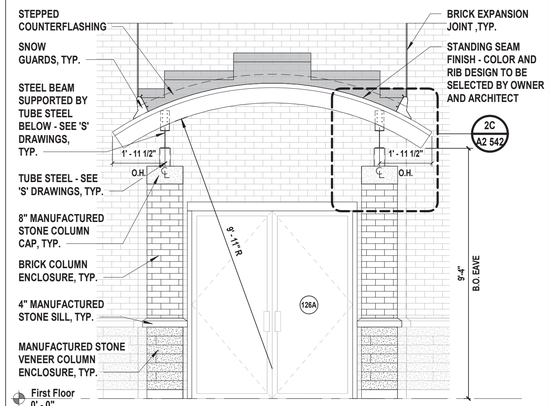
1C Side Entry Section at Metal Stud Framing

SCALE: 3/4" = 1'-0"



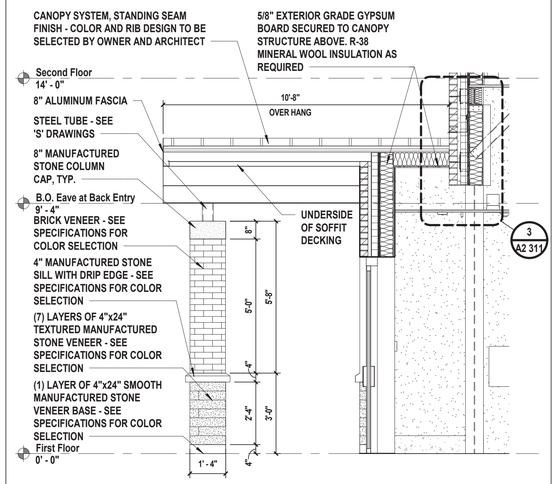
2 Enlarged Rear Entrance Canopy Roof Plan

SCALE: 3/8" = 1'-0"



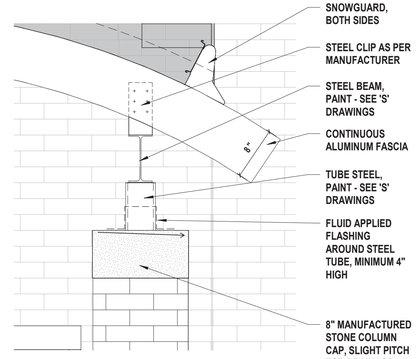
2A Rear Entry Elevation

SCALE: 3/8" = 1'-0"



2B Rear Entry Section

SCALE: 3/8" = 1'-0"



2C Column to Steel Connection Detail

SCALE: 1" = 1'-0"

NOTE:

CONTRACTOR TO SUBMIT SITE SPECIFIC SHOP DRAWINGS OF ENTRANCE CANOPIES WITH DIMENSIONS AND DETAILS FOR ARCHITECT APPROVAL

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KEM	JHG		

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New Fire Station (Phase II)

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New Windsor, NY 12553

CONTRACT

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GENERAL CONSTRUCTION

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SHEET TITLE

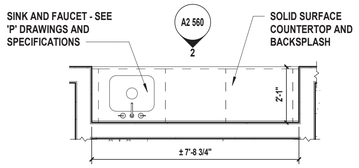
ARCHITECTURE
CANOPY DETAILS
NEW FIRE STATION
PHASE 2

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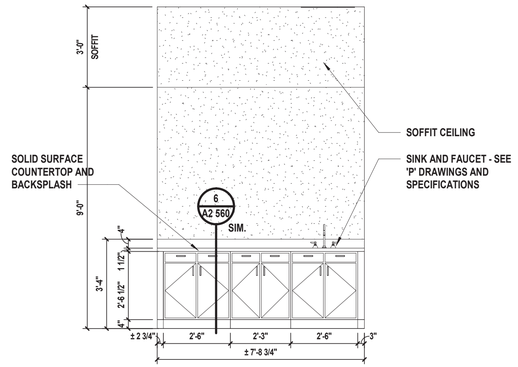
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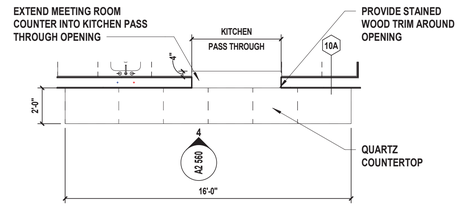
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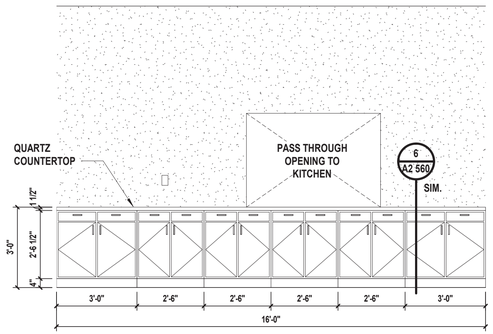
1 Training Room Millwork Plan
SCALE: 3/8" = 1'-0"



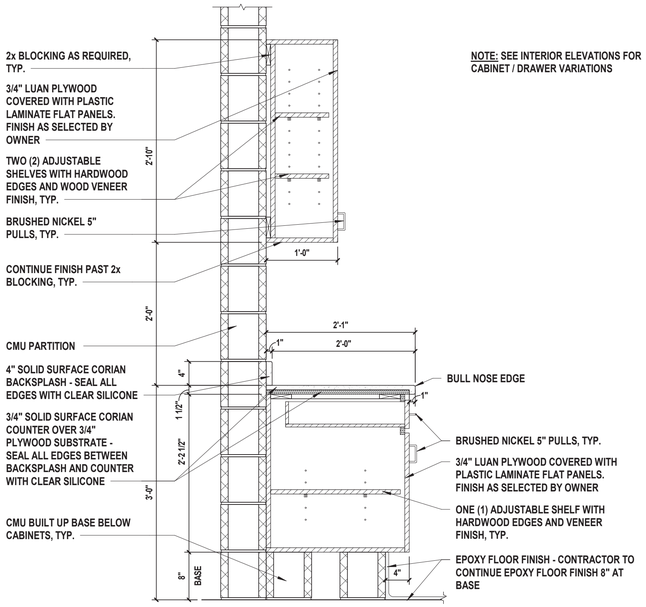
2 Training Room Millwork Elevation
SCALE: 3/8" = 1'-0"



3 Meeting Room Millwork Plan
SCALE: 1/4" = 1'-0"

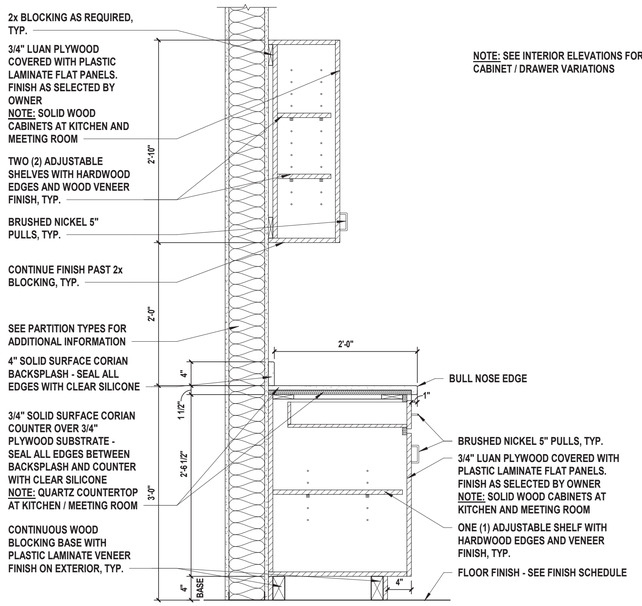


4 Meeting Room Millwork Elevation
SCALE: 3/8" = 1'-0"



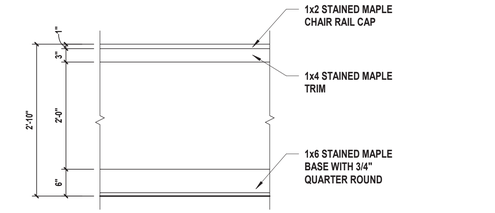
NOTE: SEE INTERIOR ELEVATIONS FOR CABINET / DRAWER VARIATIONS

5 Millwork Section at Laundry Room
SCALE: 1" = 1'-0"

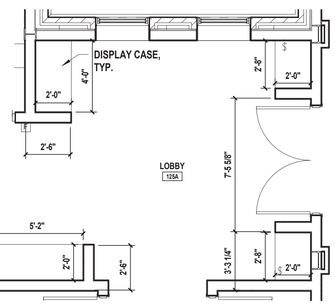


NOTE: SEE INTERIOR ELEVATIONS FOR CABINET / DRAWER VARIATIONS

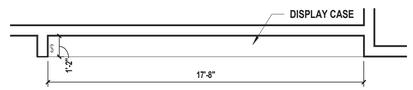
6 Typical Millwork Section
SCALE: 1" = 1'-0"



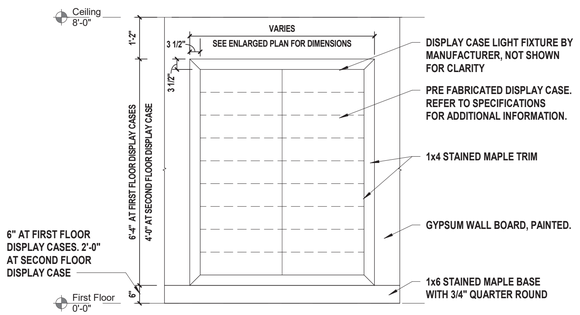
7 Chair Rail Detail
SCALE: 3/4" = 1'-0"



8 First Floor Display Cases
SCALE: 1/4" = 1'-0"



9 Second Floor Display Case
SCALE: 1/4" = 1'-0"



10 Typical Display Case Elevation
SCALE: 1/2" = 1'-0"

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New Windsor, NY 12553

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ARCHITECTURE
MILLWORK PLANS, ELEVATIONS AND NOTES
NEW FIRE STATION
PHASE 2

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A2 560.00

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GENERAL FINISH NOTES

1. REFER TO SPECIFICATIONS FOR CEILING TYPE DESCRIPTIONS.
2. ALL STAIRCASES TO RECEIVE SLIP RESISTANT RUBBER TREADS.
3. THIS SCHEDULE SERVES AS A GENERAL LIST OF FINISH ITEMS AND IS NOT A LIST OF ALL FINISH ITEMS WITHIN A ROOM OR SPACE. REFER TO ALL CONTRACT DOCUMENT DRAWINGS AND SPECIFICATIONS TO DETERMINE ALL REQUIRED FINISHES AND FINISH ITEMS.
4. MOISTURE RESISTANT GYPSUM WALL BOARD AND ACOUSTICAL CEILING PANELS TO BE INSTALLED IN RESTROOMS, VESTIBULES AND JANITOR'S CLOSET WHERE WALLS ARE TO BE PAINTED.
5. CEMENT BOARD TO BE INSTALLED BEHIND ALL TILE FINISHED WALLS; PROVIDE SOLID TREATED WOOD BLOCKING AT ALL MOUNTED ITEMS AND ACCESSORIES, TYP.
6. WATER PROOF MEMBRANE TO BE INSTALLED BEHIND ALL TILE FINISHED WALLS IN SHOWER LOCATIONS.
7. ALL PAINTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN DIVISION 9 OF THE SPECIFICATIONS.
8. CONTRACTOR SHALL PERFORM RELATIVE HUMIDITY TEST FOR CONCRETE SLABS AS PER ASTMF210 BEFORE THE INSTALLATION OF ALL FLOOR FINISHES. INFORMATION SHALL BE PROVIDED TO THE ARCHITECT AND TO THE FLOORING INSTALLERS FOR REVIEW.
9. SET FLOOR TILES IN MORTAR BED TO PROVIDE A POSITIVE PITCH TOWARDS FLOOR DRAINS.

FINISH SCHEDULE

ROOM		FLOOR			WALLS								CEILING			
					NORTH		EAST		SOUTH		WEST					
NUMBER	NAME	MATERIAL	FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	COMMENTS
101	APPARATUS ROOM	CONCRETE	EPOXY	EPOXY	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	EXPOSED / METAL PANELS	PAINT / MANUFACTURER FINISH	VARIES	SEE RCP FOR LOCATION OF METAL PANEL CEILING AND EXPOSED DECKS
102	RADIO ROOM	CONCRETE	EPOXY	EPOXY	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1 / GYPSUM	MANUFACTURER / PAINT	VARIES	SEE RCP
103	STORAGE 1	CONCRETE	EPOXY	EPOXY	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	EXPOSED	PAINT	-	-
104	STORAGE 2	CONCRETE	EPOXY	EPOXY	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	EXPOSED	PAINT	-	-
105	DECON ROOM	CONCRETE	EPOXY	EPOXY	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	ACP-3	MANUFACTURER	8'-0"	
106	LAUNDRY	CONCRETE	EPOXY	EPOXY	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	ACP-3	MANUFACTURER	8'-0"	-
107	GEAR ROOM	CONCRETE	EPOXY	EPOXY	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	METAL PANELS	MANUFACTURER	8'-3"	-
108	TOILET ROOM	CONCRETE	EPOXY	EPOXY	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	EXPOSED	PAINT	-	-
109	SCBA	CONCRETE	EPOXY	EPOXY	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	EXPOSED	PAINT	-	-
110	TOOL ALCOVE	CONCRETE	EPOXY	EPOXY	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	METAL PANELS	MANUFACTURER	9'-4"	
111	SPARE TURNOUT GEAR	CONCRETE	LVT	RUBBER	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	EXPOSED	PAINT	-	-
112	VENDOR DROP OFF	CONCRETE	LVT	RUBBER	GYPSUM	PAINT / FRP	GYPSUM	PAINT / FRP	GYPSUM	PAINT / FRP	GYPSUM	PAINT / FRP	ACP-1	MANUFACTURER	9'-0"	CONTRACTOR TO PROVIDE AND INSTALL WALK-OFF MAT - SEE SPECIFICATIONS. FRP PANELS TO BE 4'-0" A.F.F. AT EACH WALL.
113	CORRIDOR	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
114	QUARTERMASTER	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
115	JANITORS CLOSET	CONCRETE	SEALER	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-3	MANUFACTURER	9'-0"	-
116	MEETING ROOM	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	10'-6"	CONTRACTOR TO PROVIDE CONTINUOUS CHAIR RAILS AT ALL WALLS - SEE DETAIL 2/A2 560. SEE ADD ALTERNATES FOR ADDITIONAL INFORMATION.
117	STORAGE	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
118	KITCHEN	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	FRP	GYPSUM	FRP	GYPSUM	FRP	GYPSUM	FRP	ACP-3	MANUFACTURER	9'-0"	SEE ADD ALTERNATES FOR ADDITIONAL INFORMATION.
119	PANTRY	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-3	MANUFACTURER	9'-0"	-
120	READY ROOM	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
121	MECHANICAL ROOM	CONCRETE	SEALER	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	EXPOSED	PAINT	-	-
122	ELECTRICAL ROOM	CONCRETE	SEALER	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	EXPOSED	PAINT	-	-
123	ELEVATOR LOBBY	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
124	ELEVATOR	CONCRETE	-	-	CMU	-	CMU	-	CMU	-	CMU	-	-	-	-	-
125A	LOBBY	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	9'-0"	-
125B	CLOSET	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	VARIES	CONTRACTOR TO ALIGN GYPSUM BOARD UNDERNEATH STAIRWELL STRUCTURE
126	VESTIBULE	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	9'-0"	CONTRACTOR TO PROVIDE AND INSTALL WALK-OFF MAT - SEE SPECIFICATIONS
127	MEN'S TOILET ROOM	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	TILE	GYPSUM	TILE	GYPSUM	TILE	GYPSUM	TILE	ACP-3	MANUFACTURER	9'-0"	SEE ADD ALTERNATES FOR ADDITIONAL INFORMATION.
128	WOMEN'S TOILET ROOM	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	TILE	GYPSUM	TILE	GYPSUM	TILE	GYPSUM	TILE	ACP-3	MANUFACTURER	9'-0"	SEE ADD ALTERNATES FOR ADDITIONAL INFORMATION.
201	CORRIDOR	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
202	CONFERENCE ROOM	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	CONTRACTOR TO PROVIDE CONTINUOUS CHAIR RAILS AT ALL WALLS - SEE DETAIL 2/A2 560
203A	COMPANY ROOM	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	12'-0"	-
203B	COMPANY KITCHEN	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-3	MANUFACTURER	9'-0"	-
204	STORAGE	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
205	STORAGE	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
206	TRAINING ROOM	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	12'-0"	-
207	EXCERCISE ROOM	CONCRETE	RUBBER TILE	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	EXPOSED / ACP-2	PAINT / MANUFACTURER FINISH	VARIES	SEE RCP FOR LOCATION OF ACP CEILING AND EXPOSED DECK
208	BATHROOM	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	TILE	GYPSUM	TILE	GYPSUM	TILE	GYPSUM	TILE	ACP-3	MANUFACTURER	9'-0"	SEE ADD ALTERNATES FOR ADDITIONAL INFORMATION.
209	BATHROOM	CONCRETE	PORCELAIN TILE	PORCELAIN COVE	GYPSUM	TILE	GYPSUM	TILE	GYPSUM	TILE	GYPSUM	TILE	ACP-3	MANUFACTURER	9'-0"	SEE ADD ALTERNATES FOR ADDITIONAL INFORMATION.
210	CORRIDOR	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
211	COMISSIONERS OFFICE	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	CONTRACTOR TO PROVIDE CONTINUOUS CHAIR RAILS AT ALL WALLS - SEE DETAIL 7/A2 560
212	TRUSTEES OFFICE	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	CONTRACTOR TO PROVIDE CONTINUOUS CHAIR RAILS AT ALL WALLS - SEE DETAIL 7/A2 560
213	COMPANY OFFICERS	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	CONTRACTOR TO PROVIDE CONTINUOUS CHAIR RAILS AT ALL WALLS - SEE DETAIL 7/A2 560
214	ASST. CHIEF OFFICE	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	CONTRACTOR TO PROVIDE CONTINUOUS CHAIR RAILS AT ALL WALLS - SEE DETAIL 7/A2 560
215	CHIEF OFFICE	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	CONTRACTOR TO PROVIDE CONTINUOUS CHAIR RAILS AT ALL WALLS - SEE DETAIL 7/A2 560
216	ADMIN STORAGE	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
217	RATED STORAGE 1	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
218	RATED STORAGE 2	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
219	NETWORK I.T.	CONCRETE	LVT	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	9'-0"	-
220	JANITORS CLOSET	CONCRETE	SEALER	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-3	MANUFACTURER	9'-0"	-
221	MEZZANINE	CONCRETE	SEALER	RUBBER	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	CMU	EPOXY PAINT	EXPOSED	PAINT	-	-
A	STAIR 'A'	CONCRETE	VARIES - SEE COMMENTS	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	23'-0"	CONCRETE FLOOR TO RECEIVE PORCELAIN TILE. SEE SHEET A2 430 FOR STAIR FINISHES.
B	STAIR 'B'	CONCRETE	VARIES - SEE COMMENTS	RUBBER	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	GYPSUM	PAINT	ACP-1	MANUFACTURER	23'-0"	CONCRETE FLOOR TO RECEIVE PORCELAIN TILE. SEE SHEET A2 431 FOR STAIR FINISHES.

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
KEM	JHG		

PROJECT No:	DATE:	SCALE:
VGFD2001	JULY 2022	AS SHOWN

CLIENT

VAILS GATE FIRE DISTRICT

New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ARCHITECTURE
FINISH SCHEDULE, NOTES AND DETAILS
NEW FIRE STATION
PHASE 2

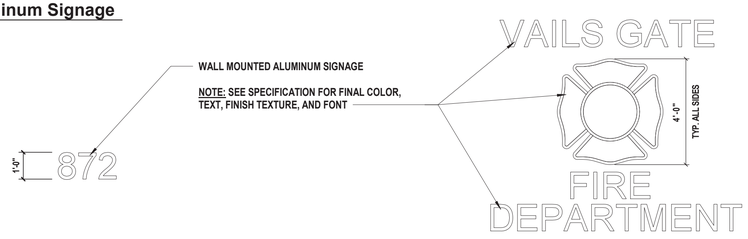
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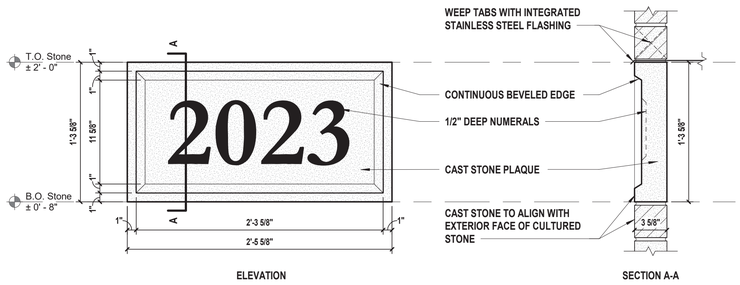


1 Front Entry Aluminum Signage
SCALE: 3/8" = 1'-0"



2 Aluminum Address Sigange
SCALE: 3/8" = 1'-0"

3 Rear Entry Aluminum Signage
SCALE: 3/8" = 1'-0"



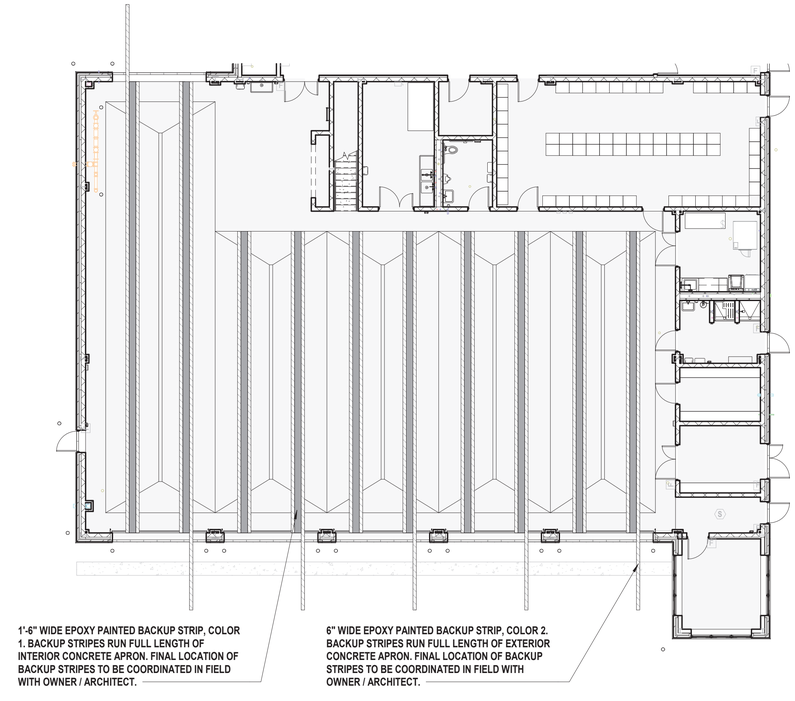
ELEVATION

SECTION A-A

NOTE:

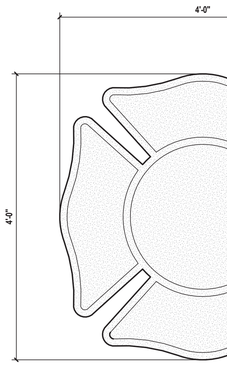
1. SEE SPECIFICATION FOR FINAL COLOR, TEXT, FINISH TEXTURE, AND FONT
2. CONTRACTOR TO INSTALL CAST STONE AS PER MANUFACTURERS REQUIREMENTS AND TO PROVIDE A WEATHERTIGHT SEAL
3. REFER TO CONCRETE NCMA TEK GUIDELINES FOR INSTALLATION METHODS FOR BRICK MASONRY / CAST STONE JOINTS

4 Date Stone Signage
SCALE: 1 1/2" = 1'-0"



5 Apparatus Bay - Striping Plan
SCALE: 3/32" = 1'-0"

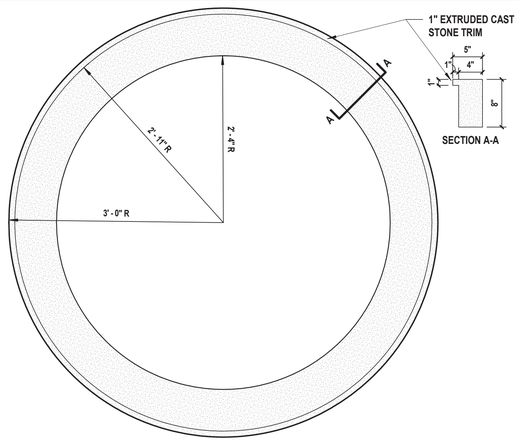
PROJECT NORTH



NOTE:

1. SEE SPECIFICATION FOR FINAL COLOR, TEXT, FINISH TEXTURE, AND FONT
2. CONTRACTOR TO INSTALL CAST STONE AS PER MANUFACTURERS REQUIREMENTS AND TO PROVIDE A WEATHERTIGHT SEAL
3. REFER TO CONCRETE NCMA TEK GUIDELINES FOR INSTALLATION METHODS FOR BRICK MASONRY / CAST STONE JOINTS

6 Cast Stone Maltese
SCALE: 1" = 1'-0"

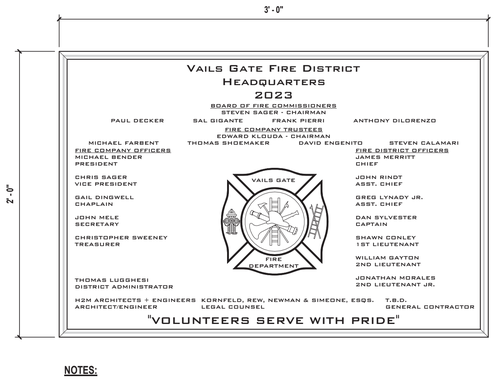


SECTION A-A

NOTE:

1. SEE SPECIFICATION FOR FINAL COLOR, TEXT, FINISH TEXTURE, AND FONT
2. CONTRACTOR TO INSTALL CAST STONE AS PER MANUFACTURERS REQUIREMENTS AND TO PROVIDE A WEATHERTIGHT SEAL
3. REFER TO CONCRETE NCMA TEK GUIDELINES FOR INSTALLATION METHODS FOR BRICK MASONRY / CAST STONE JOINTS

7 Cast Stone Circle
SCALE: 1" = 1'-0"



NOTES:

1. CAST ALUMINUM PLAQUE TO BE 24" X 36"
2. CONFIRM LOCATION WITH OWNER PRIOR TO INSTALLATION.
3. FINAL VISUAL, VERBIAGE, NAMES AND TEXT TO BE REVIEWED BY OWNER AND ARCHITECT DURING SHOP DRAWING PROCESS. DISPLAYED INFORMATION IS FOR REFERENCE ONLY.

8 Interior Building Plaque
SCALE:N.T.S



IDENTIFICATION IF BUILDING UTILIZING TRUSS CONSTRUCTION:

SIGNS IDENTIFYING THE EXISTENCE OF TRUSS CONST. SHALL CONSIST OF A CIRCLE 6" IN DIAMETER, WITH A STROKE WIDTH IF 1/2". THE SIGN BACKGROUND SHALL BE REFLECTIVE WHITE IN COLOR, CONFORMING TO PANTONE MATCHING SYSTEM (PMS) #187. WHERE A SIGN IS DIRECTLY APPLIED TO A DOOR OR SIDELIGHT, IT MAY BE PERMANENT NON-FADING STICKER OR DECAL. SIGNS NOT DIRECTLY APPLIED TO DOORS OR SIDELIGHTS SHALL BE STURDY, NON-FADING, WEATHER RESISTANT MATERIAL. SIGNS INDEMNIFYING THE EXISTENCE OF TRUSS CONSTRUCTION SHALL CONTAIN THE ROMAN ALPHANUMERIC DESIGNATION OF THE CONSTRUCTION TYPE OF THE BUILDING, IN ACCORDANCE WITH THE PROVISION FOR THE CLASSIFICATION OF TYPES OF CONSTRUCTION SET FORTH IN SECTION 602 OF THE BUILDING CODE OF NEW YORK STATE, 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 SIX O' CLOCK POSITION.

AT EXTERIOR BUILDING ENTRANCE DOORS, EXTERIOR EXIT DISCHARGE DOORS, AND EXTERIOR ROOF ACCESS DOORS TO A STAIRWAY, SIGNS SHALL BE ATTACHED TO DOOR, OR ATTACHED TO A SIDELIGHT OF THE FACE OF THE BUILDING NO MORE THEN 12 INCHES HORIZONTALLY FROM THE LATCH SIDE OF THE DOOR JAMB, AND NOT LESS THAN 42 INCHES OR MORE THAN 60 INCHES ABOVE THE ADJOINING WALKING SURFACE.

AT MULTIPLE CONTIGUOUS EXTERIOR BUILDING ENTRANCE OR EXIT DISCHARGE DOORS, SIGNS SHALL BE ATTACHED AT EACH END OF THE ROW OF DOORS AND AT A MAXIMUM HORIZONTAL DISTANCE OF 12 FEET BETWEEN SIGNS, AND NOT LESS THAN 42 INCHES NOR MORE THEN 60 INCHES ABOVE THE ADJOINING WALKING SURFACE.

9 Truss Identification Sign
SCALE:NTS

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION
2	12/22/2022	REVS. PER TOWN COMMENTS

REGISTERED ARCHITECT ROBERT BEE 032389 STATE OF NEW YORK

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New Storage Building (Phase I)
New Fire Station (Phase II)

872 Blooming Grove Turnpike
New Windsor, NY 12553

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

ARCHITECTURE
NEW FIRE STATION
APPARATUS BAY STRIPING PLAN
AND EXTERIOR SIGNAGE
PHASE 2

DRAWING No.

A2 610.02

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