

NYACK UFSD  
**PROFESSIONAL DEVELOPMENT CENTER**

13A DICKINSON AVENUE  
 NYACK, NY 10960

JULY 12, 2022

**PROFESSIONAL  
 DEVELOPMENT CENTER**

NY SED Project. No  
 50-03-04-03-1-005-006

KG+D Project No.  
 2021-1048

**DESIGN TEAM**

**CONSTRUCTION DOCUMENTS**



**ARCHITECT  
 KG+D Architects**

285 Main Street  
 Mount Kisco, NY 10549  
 phone: 914-666-5900

**MECHANICAL ENGINEER  
 BGA**

99 Bauer Drive  
 Oakland, NJ 07436  
 phone: 201-416-4012

**STRUCTURAL ENGINEER  
 THE DISALVO ENGINEERING GROUP**

Lee Farm Corporate Park - Suite 200  
 Danbury, CT 06810  
 phone: 203-490-4140

**SPECIFICATION CONSULTANT  
 SUE MCCLYMONDS**

200 Robb Road  
 Amsterdam, NY 12010  
 phone: 518-843-4054

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2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS
No.	Date	Issue

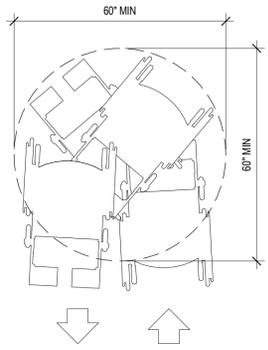
Sheet Title

ACCESSIBILITY DIAGRAMS

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker

Sheet Number

G002



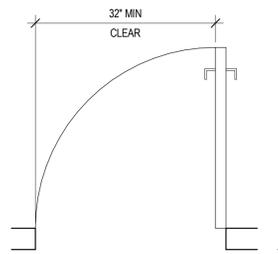
SPACE NEEDED TO TURN A WHEELCHAIR

3 WHEELCHAIR TURNING RADIUS  
1/2" = 1'-0"

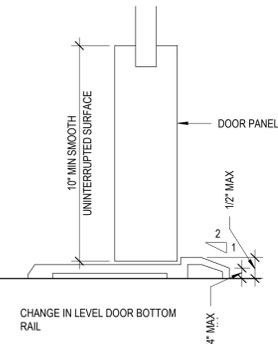
REF: ADA: 304.3  
ANSI: 304.3  
G100-1006  
E



SLIDING DOOR



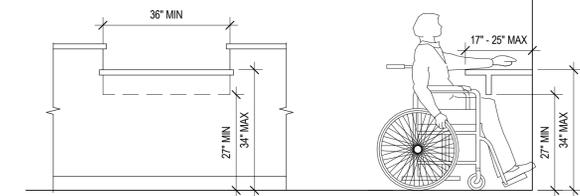
HINGED DOOR



CHANGE IN LEVEL DOOR BOTTOM RAIL

REF: ADA: 404.2, 303.3  
ANSI: 404.2.2, 404.2.9  
G100-1007  
D

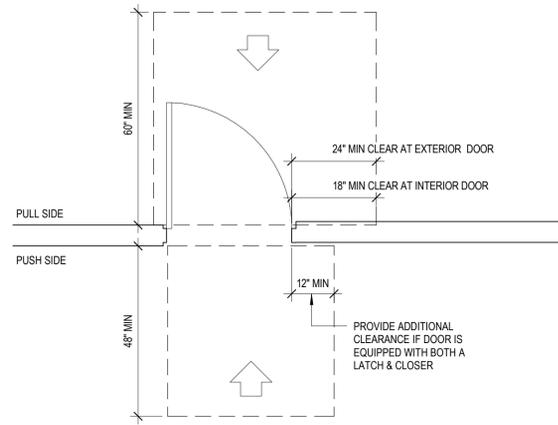
4 DOOR OPENING  
6" = 1'-0"



CLEARANCES FOR COUNTERS

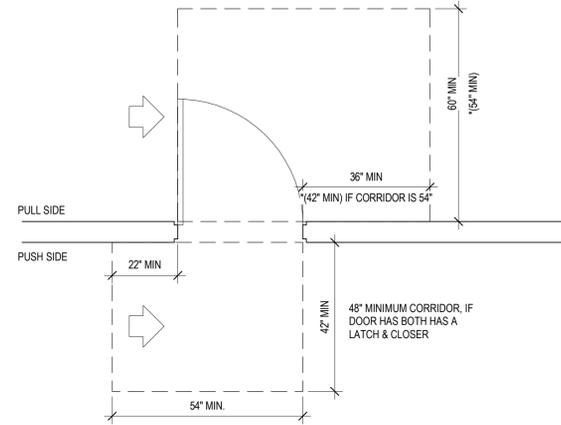
5 MINIMUM CLEARANCE FOR COUNTER  
1/2" = 1'-0"

REF: ADA: 306.1  
ANSI: 306.2  
G100-1009B

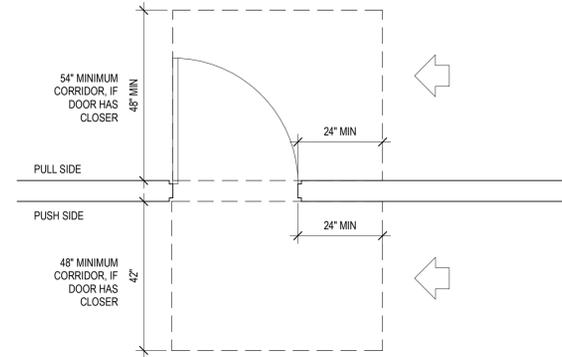


A. FRONT APPROACH

1 SWINGING DOOR APPROACH  
1/2" = 1'-0"

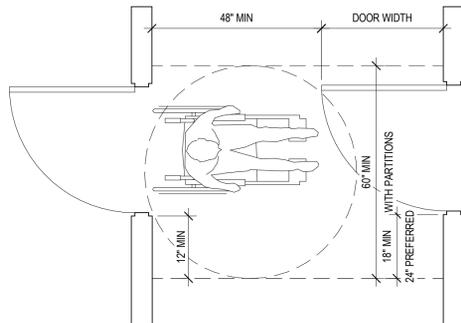


B. HINGE APPROACH



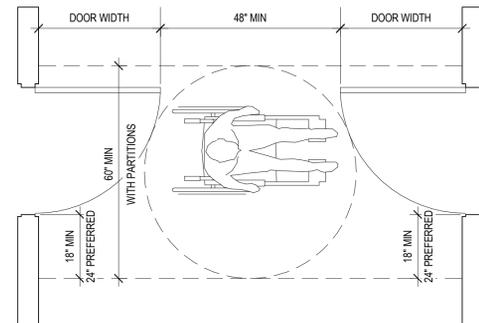
C. LATCH SIDE APPROACH

REF: ADA: 404.2.4  
ANSI: 404.2.3.1  
G100-1007A

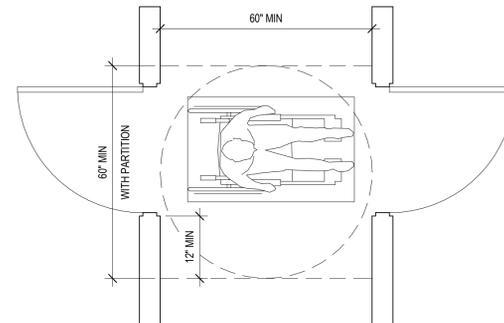


A

2 TWO HINGED DOORS IN SERIES  
1/2" = 1'-0"



B

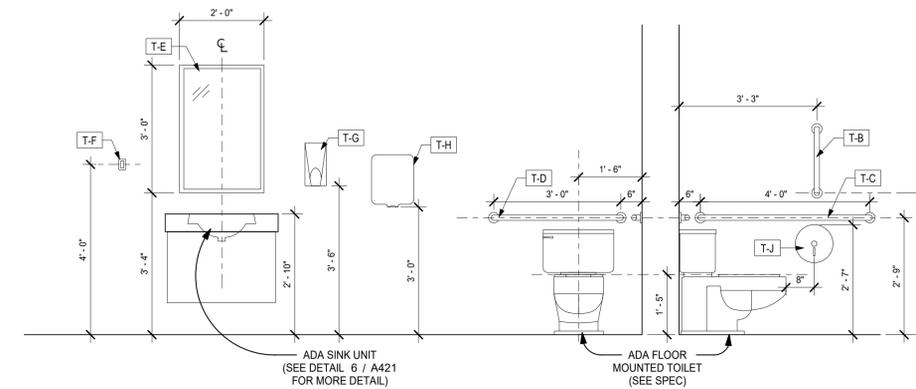


C

REF: ADA: 404.2.6  
ANSI: 404.2.5  
G100-1007C

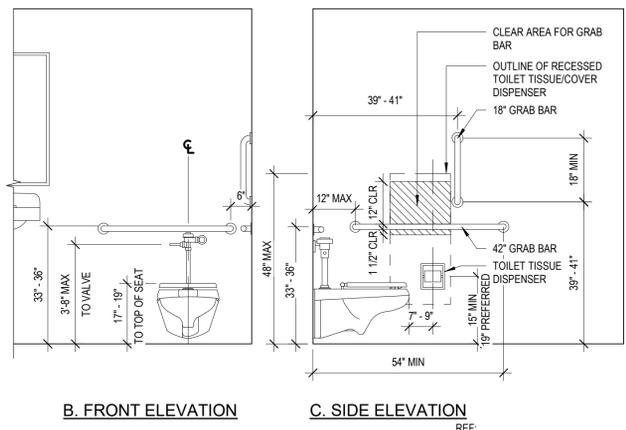
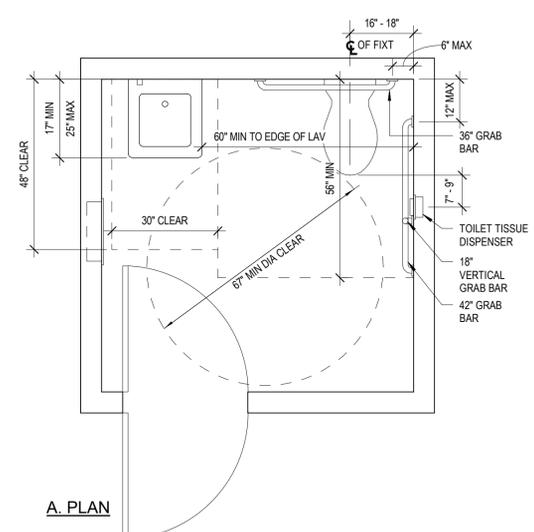
SANITARY ACCESSORIES LIST

TAG	DESCRIPTIONS
T-B	VERTICAL GRAB BAR
T-C	HORIZONTAL GRAB BAR (SIDE)
T-D	HORIZONTAL GRAB BAR (REAR/BACK)
T-E	MIRROR TALL MIRRORS SHALL USE TEMPERED GLASS*
T-F	COAT HOOK
T-G	HAND SOAP DISPENSER
T-H	HAND DRYER
T-J	TOILET PAPER DISPENSER



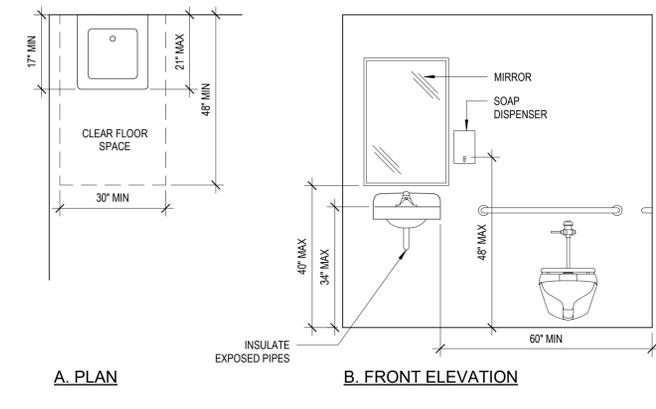
REF:  
ADA: 308.2.1, 604.7  
ANSI: 604.7  
G100-1010C

**1** MOUNTING HEIGHTS - SANITARY ACCESSORIES  
1/2" = 1'-0"



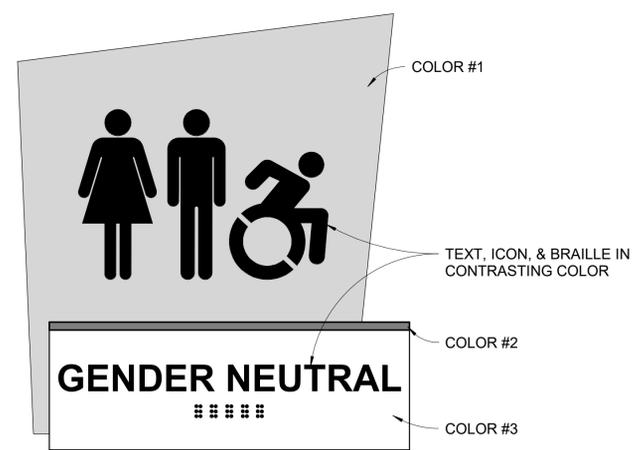
REF:  
ADA: 603.2, 604.2, 604.3.2, 604.7, 604.8,  
609.1  
ANSI: 604.4  
G100-1010  
F

**3** SINGLE-ACCOMMODATION TOILET ROOM  
1/2" = 1'-0"



REF:  
ADA: 603.3, 604.3.2, 606.1, 606.5  
ANSI: 606.1  
G100-1010E

**2** ACCESSIBLE LAVATORY  
1/2" = 1'-0"



TYPE G - TOILET IDENTIFICATION SIGN  
BASIS OF DESIGN: TAKEFORM FUSION #59  
(SEE SPEC FOR MORE INFORMATION)

SIGNAGE SCHEDULE					
ROOM NO.	LOCATION	SIGN TYPE	SIGN TEXT	QTY	DESCRIPTION
103	T	G	GENDER NEUTRAL	1	GENDER NEUTRAL TOILET ROOM
103	T				
104	T	G	GENDER NEUTRAL	1	GENDER NEUTRAL TOILET ROOM
104	T				
108	T				

NY SED PROJECT CONTROL NO.  
**50-03-04-03-1-005-006**  
CONSTRUCTION DOCUMENTS

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ACCESSIBILITY DIAGRAMS

Job No. 2021-1048 Date 09/10/2021  
Scale AS NOTED Drawn / Checked Author Checker

Sheet Number  
**G003**

CHAPTERS 3-6 OCCUPANCY, AREA & CONSTR. TYPES

**BUILDING INFORMATION**

USE & OCCUPANCY CLASSIFICATION: ASSEMBLY (A - 3)

WORK CHARACTERIZATION: RENOVATION LEVEL 2

CONSTRUCTION CLASSIFICATION: TYPE IIIB

FIRE RATING FOR BEARING WALLS  
 EXTERIOR\*: 2 HRS  
 INTERIOR: 0 HRS

FIRE RATING FOR NON-BEARING WALLS AND PARTITIONS  
 EXTERIOR: 1 HR  
 INTERIOR: 0 HRS

FIRE RATING FOR FLOORS (TYPE IIIB): 0 HRS  
 FIRE RATING FOR ROOFS (TYPE IIIB): 0 HRS

**BUILDING AREA:**  
 EXISTING HEIGHT IN STORIES: 2  
 ALLOWABLE HEIGHT IN STORIES: 2  
 EXISTING TOTAL BUILDING AREA: 7,356 SF  
 TOTAL ALLOWABLE AREA: 9,500 SF  
 TOTAL PROJECT SCOPE AREA: 2,908 SF

\*NOT LESS THAN THE FIRE-RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE (SEE TABLE 602). FROM TABLE 602, FIRE SEPARATION DISTANCE = X > 30, FIRE RATING = 0 HRS.

CHAPTER 7 FIRE & SMOKE PROTECTION

ASSEMBLY	FIRE-RESISTANCE RATING	TYPICAL LOCATIONS
FIRE BARRIER	1 HOUR	--
FIRE PARTITION	1 HOUR	--

CHAPTER 10 MEANS OF EGRESS

ITEM	DWG SHOWN
ROOM USE DESIGNATIONS	CC DWGS
ROOM SQUARE FOOTAGE	CC DWGS
ROOM OCCUPANCY LOADS	CC DWGS
EXIT ACCESS/ TRAVEL DISTANCE	CC DWGS
GROUND FL:	150 FT MAX TO EXTERIOR DOOR
BASEMENT / 2ND FL:	120 FT MAX TO STAIR ENCLOSURE

EGRESS CAPACITY CALCULATIONS:								
PER BC NYS			REQUIRED			PROVIDED		
SPACE	AREA	OCC LOAD	EGRESS	# EXITS	MAX TRAV DISTANCE**	EGRESS	# EXITS	MAX TRAV DISTANCE**
HILLTOP DEVELOPMENT CENTER	3,198 SF	255	51" <small>(255 * 0.27)</small>	2	200' / 75'	204"	4	63'/53'

\*\* TRAVEL DISTANCE/COMMON PATH OF TRAVEL DISTANCE

CHAPTER 11 ACCESSIBILITY

ITEM	DWG SHOWN
INTERIOR ACCESSIBLE ROUTE	ACCESSIBILITY DIAGRAMS
ACCESSIBLE ENTRANCES	ACCESSIBILITY DIAGRAMS
ACCESSIBLE TOILET FACILITIES	ACCESSIBILITY DIAGRAMS
SIGNAGE	ACCESSIBILITY DIAGRAMS, SPECIFICATIONS

UNIFORM SAFETY STANDARDS FOR SCHOOL CONSTRUCTION & MAINTENANCE PROJECTS

THE OCCUPIED PORTION OF THE EXISTING SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY.

ALL SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION HAVE BEEN OR WILL BE TESTED FOR LEAD AND ASBESTOS.

GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:

(A) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.  
 (B) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.  
 (C) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.  
 (D) DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT ENTRY.  
 (E) WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES.

SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES:

CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.

(A) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHOULD BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF.

(B) LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.

(C) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY. SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION.

A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.

A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINATES PRODUCED BY WELDING, GASOLINE OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF-GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, ETC. ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE A SPACE CAN BE OCCUPIED.

LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED. NOTE, IT IS OUR INTERPRETATION THAT THE TERM "BUILDING", AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.

EXTERIOR WORK SUCH AS ROOFING, FLASHING, SIDING, OR SOFFIT WORK MAY BE PERFORMED ON OCCUPIED BUILDINGS PROVIDED PROPER VARIANCES ARE IN PLACE AS REQUIRED, AND COMPLETE ISOLATION OF VENTILATION SYSTEMS AND AT WINDOWS IS PROVIDED. CARE MUST BE TAKEN TO SCHEDULE WORK SO THAT CLASSES ARE NOT DISRUPTED BY NOISE OR VISUAL DISTRACTION.

SURFACES THAT WILL BE DISTURBED BY RECONSTRUCTION MUST HAVE A DETERMINATION MADE AS TO THE PRESENCE OF LEAD. PROJECTS WHICH DISTURB SURFACES THAT CONTAIN LEAD SHALL HAVE IN THE SPECIFICATIONS A PLAN PREPARED BY A CERTIFIED LEAD RISK ASSESSOR OR SUPERVISOR WHICH DETAILS PROVISIONS FOR OCCUPANT PROTECTION, WORKSITE PREPARATION, WORK METHODS, CLEANING AND CLEARANCE TESTING WHICH ARE IN GENERAL ACCORDANCE WITH THE HUD GUIDELINES.

PROJECT INFORMATION, SCOPE & CLASSIFICATION OF WORK

PROJECT SCOPE:  
 THIS PROJECT INVOLVES LIMITED ALTERATION OF AN EXISTING DEVELOPMENT CENTER TO RENOVATED THE SPACE TO A FLEXIBLE PROFESSIONAL DEVELOPMENT SPACE WITH INTERIOR UPGRADES.

CLASSIFICATION OF WORK: ALTERATION LEVEL 2

APPLICABLE CODES:  
 2020 UNIFORM FIRE PREVENTION AND BUILDING CODE  
 2020 UNIFORM CODE SUPPLEMENTS  
 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE  
 MANUAL OF PLANNING STANDARDS - 1998  
 THE UNIVERSITY OF THE STATE OF NEW YORK  
 THE STATE EDUCATION DEPARTMENT

PROJECT LOCATION: 13A DICKINSON AVE, NYACK, NY 10960

NOTE: CONSTRUCTION TO TAKE PLACE SUMMER 2022  
 COMPLETION TO TAKE PLACE IN FALL 2022

PROFESSIONAL DEVELOPMENT CENTER

NYACK UFSD

13A DICKINSON AVENUE  
 NYACK, NY 10960



NY SED PROJECT CONTROL NO.  
**50-03-04-03-1-005-006**

CONSTRUCTION DOCUMENTS

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CODE COMPLIANCE INFORMATION

Job No. 2021-1048 Date 09/10/2021

Scale AS NOTED Drawn / Checked Author Checker

Sheet Number  
**CC001**

**PROFESSIONAL DEVELOPMENT CENTER**

NYACK UFSD

13A DICKINSON AVENUE  
NYACK, NY 10960



**KG+D . ARCHITECTS PC**  
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549  
P:914.666.5900 KGDARCHITECTS.COM

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50-03-04-03-1-005-006

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**CODE COMPLIANCE PLAN**

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Scale	AS NOTED	Drawn / Checked	Author Checker

Sheet Number

**CC002**

**EGRESS LEGEND**

-----	PATH OF EGRESS
▶	DIRECTION OF TRAVEL
305	EXISTING EXIT CAPACITY
343	ACTUAL LOAD MAXIMUM LOAD
♿	ADA ACCESSIBLE ENTRY/EGRESS

**CODE COMPLIANCE LEGEND**

220	EGRESS LOAD
340	MAX CAPACITY
☒	FEC - FIRE EXTINGUISHER CABINET
⊙	EXIT SIGN DIRECTION AS INDICATED

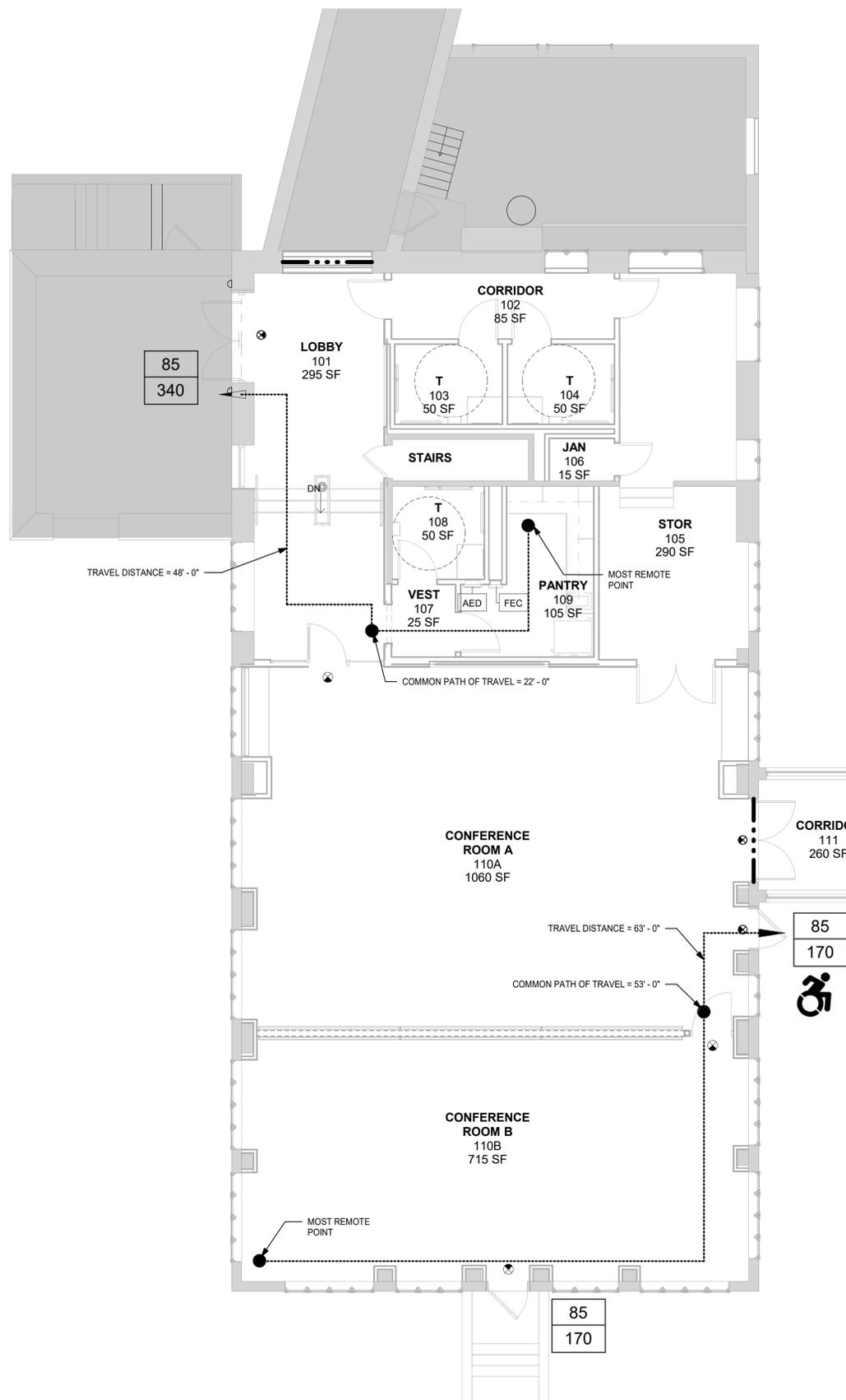
**DOOR CAPACITY CALCULATIONS (GENERAL)**  
AT 36" WIDE SINGLE DOORS, 94" CLEAR EGRESS WIDTH SHALL BE PROVIDED  
34" / 0.2" PER OCCUPANT = 170 OCCUPANT CAPACITY

AT 72" WIDE DOUBLE DOORS, 68" CLEAR EGRESS WIDTH SHALL BE PROVIDED  
68" / 0.2" PER OCCUPANT = 340 OCCUPANT CAPACITY

**DOOR CAPACITY CALCULATIONS (OVERALL)**  
AREA OF WORK: 2,908 SF  
REQUIRED: 255 OCCUPANTS X 0.2" PER OCCUPANT = 51"  
PROVIDED: 170"

**OCCUPANCY TABLE**

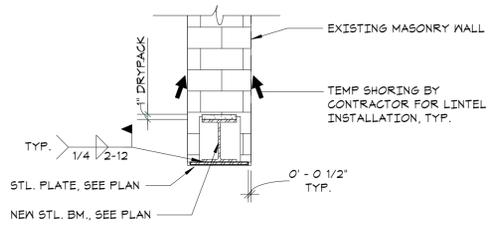
ROOM NAME	ROOM #	AREA	OCCUPANCY USE	CODE FACTOR	OCCUPANT LOAD
ASSEMBLY					
CONFERENCE ROOM A	110A	1059 SF	ASSEMBLY	7	151
CONFERENCE ROOM B	110B	717 SF	ASSEMBLY	7	102
ASSEMBLY: 2		1775 SF			254
STORAGE					
STOR	105	290 SF	STORAGE	300	1
STORAGE: 1		2065 SF			1
					255



DOOR IN THIS LOCATION IS AT GRADE AND CONNECTED TO THE SIDEWALK VIA AN ASPHALT DRIVEWAY. THERE ARE NO HEIGHT CLEARANCES AND THE SLOPE TO ACCESS THIS DOOR IS UNDER THE ALLOWABLE SLOPE FOR ADA.

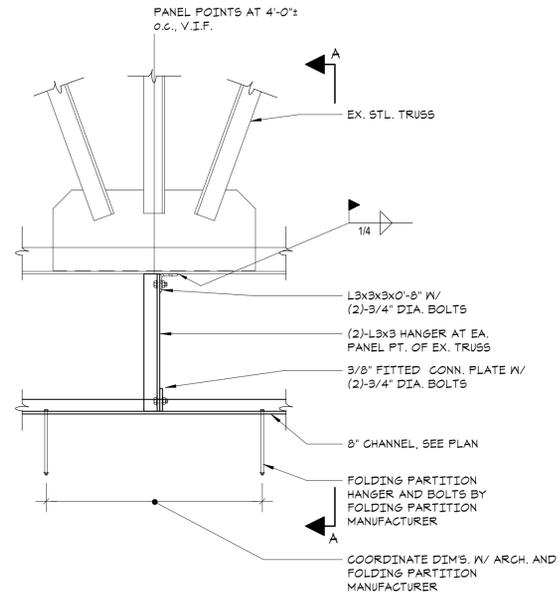
**1 CODE COMPLIANCE PLAN**  
3/16" = 1'-0"

NOTE: STRUCTURAL WORK RELATED TO FRONT ENTRY RENOVATIONS ARE PART OF AN ADD. ALTERNATE, REFER TO PROJECT MANUAL FOR BIDDING INSTRUCTIONS

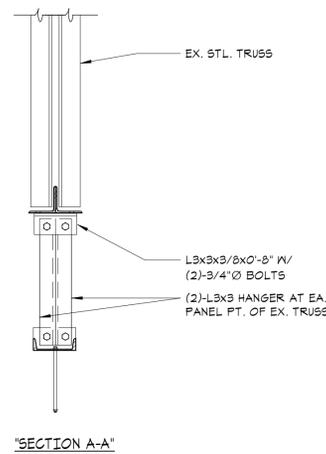


NOTE: HOT DIP GALV. STL. LINTEL AND PLATE AFTER FABRICATION

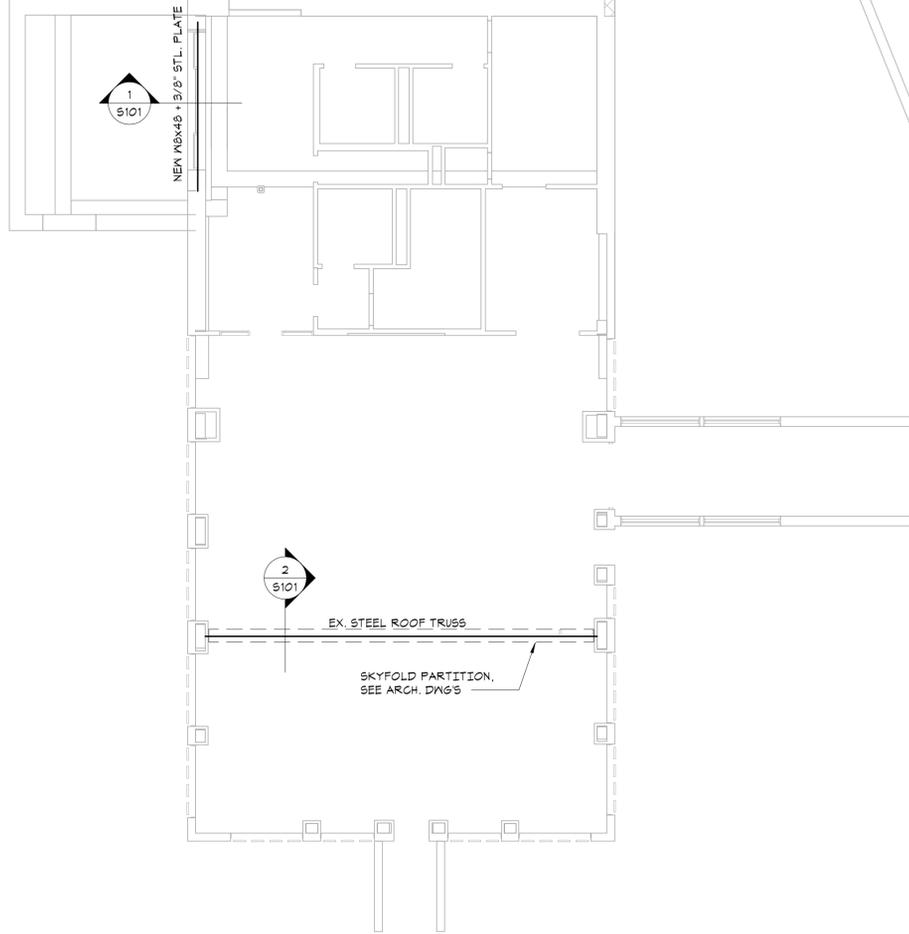
1 TYPICAL LINTEL  
NO SCALE



2 FOLDING PARTITION SUPPORT DETAIL  
NO SCALE



NOTE: STRUCTURAL WORK RELATED TO FRONT ENTRY RENOVATIONS ARE PART OF AN ADD. ALTERNATE, REFER TO PROJECT MANUAL FOR BIDDING INSTRUCTIONS



LOW ROOF FRAMING PLAN

1/8"=1'-0"

- STRUCTURAL SCOPE OF WORK INCLUDES SUPPORT OF NEW "SKYFOLD" FOLDING PARTITION AND NEW STEEL LINTEL AT MAIN ENTRY. SEE ARCHITECTURAL DRAWINGS TO UNDERSTAND FULL SCOPE OF WORK.
- ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED PRIOR TO SUBMITTING SHOP DRAWINGS FOR REVIEW AND APPROVAL, SHOW ALL RELEVANT CONDITIONS ON SHOP DWGS.
- SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

General Notes:

- The purpose of these drawings is to show the structural work associated with renovations at Nyack Professional Development Center, Nyack UFSD.
- The work shown on these drawings has been designed in accordance with the structural requirements of the 2020 edition of the Building Code of New York State which is part of the New York State Uniform Fire Prevention and Building Code and is based upon the 2018 International Building Code.
- The structural components have been designed for the following loads:

A. Roof loads:

Snow:	
Ground snow load, $p_g$	30 psf
Flat roof snow load, $p_f$	30 psf*
Exposure factor, $C_e$	1.0
Importance factor, $I_s$	1.1
Thermal factor, $C_t$	1.0
Rain loads:	In accordance with Section 1611
Roof live load:	20 psf min

B. Wind design data:  
Wind loads have been determined based on Section 1609.1.1 in accordance with ASCE 7-16, Chapters 26, 27, 29 and 30, Directional Procedure

Risk category	III
Basic wind speed (3-second gust):	
Ultimate design wind speed, $V_{ult}$	123 mph
Exposure	B
Internal pressure coefficient	0.18

C. Earthquake design data:  
Risk category: III  
Seismic importance factor,  $I_e$ : 1.25  
Mapped short period spectral response accelerations,  $S_s$ : 0.246g  
Mapped 1 second period spectral response accelerations,  $S_1$ : 0.062g  
Site class: D-default  
Seismic design category: B

Earthquake design for existing buildings:  
Not required since the proposed alterations do not increase the demand-capacity ratio of any seismic load carrying structural element by more than 10 percent cumulative since the original construction.

4 This structure has been designed to be self-supporting and stable after the work shown on these drawings has been completed. The stability of the structure prior to completion is solely the responsibility of the contractor. This responsibility extends to all related aspects of the construction activity including, but not limited to, erection methods, erection sequence, temporary bracing, forms, shoring, use of equipment, and similar construction procedures. Review of the construction by the engineer is for conformance with design aspects only, not to review the contractor's construction procedures. Lack of comment on the part of the engineer with regard to construction procedures is not to be interpreted as approval of those procedures.

5 Shoring note: The contractor is responsible for designing, providing and installing all temporary shoring that is required to support instabilities of existing structure during construction and due to the removal of existing supporting walls and existing framing members for installation of new framing and foundations. Shoring shall be fully installed and stable prior to removal of existing structural elements.

6 Jobsite safety and construction procedures are solely the responsibility of the contractor. Review of the construction by the engineer is for conformance with design aspects only, not to review the contractor's provisions for job site safety. Lack of comment by the engineer is not to be interpreted as approval of those aspects of work.

7 PDF digital files of all erection and detail shop drawings for steel indicating the fabricator, manufacturer, finish, layout, and all accessories, must be submitted to and be checked by the contractor and subcontractor and bear the checker's initials before submission to the architect for review prior to fabrication. Fabrication and/or delivery to the site of components prior to receiving approved shop drawings shall be at the fabricator's own risk.

8 Testing and inspections are described in the project "Statement of Special Inspections". The contractor shall review the "Statement of Special Inspections" and coordinate the scheduling of inspections with the special inspector. Uninspected work that required inspections may be rejected solely on that basis.

9 If faulty construction procedures, or material, result in defective work that requires additional engineering time to devise corrective measures, professional fees may be charged to the contractor at the standard hourly rate of additional services. Such fees may be withheld from the general contractor's payment.

10 The contractor shall verify all dimensions, elevations and angles with architectural drawings and existing conditions before proceeding with any work.

11 Some details of the work are shown on the architectural drawings. A careful review and study of these details are necessary before the full scope of the work can be comprehended.

12 Do not scale drawings.  
Codes and Standards References

1. Structural steel:  
Design, fabrication and erection of structural steel shall conform to the "Specification for Structural Steel for Buildings" as adopted on July 1, 2016, by the American Institute of Steel Construction (AISC) and the 15th Edition of the AISC Steel Construction Manual.

Structural Steel Notes:  
1. Design fabrication and erection of structural steel shall conform to the American Institute of Steel Construction's "Specification for Structural Steel for Buildings", as specified in the code reference section of these general notes.

- Materials:  
Wide Flange shapes: ASTM A 992 Grade 50  
American standard shapes, angles,  
plates and bars: ASTM A 36  
Bolts: ASTM F3125, Grade A 325  
Welding electrode: ASTM E 70XX, low hydrogen
- All welding shall conform to American Welding Society's AWS D1.1 "Structural Welding Code-Steel" code for arc and gas welding and be performed by a certified welder in accordance with A.I.S. standards.
- Structural steel shall be cleaned in accordance with the Steel Structures Painting Council Specification SP 9 for Power Tool Cleaning (except for steel exposed to weather) and painted to a minimum dry film thickness of 2 mils with a shop coat of Tnemec # 10-4R alkyl rust inhibitive primer as manufactured by Tnemec Company, Inc. of Kansas City, MO, or an approved equal.
- For miscellaneous steel, see architectural drawings.
- Existing steel surfaces to receive field welds shall be thoroughly cleaned and free from paint, rust, grease, etc.
- Submittals to the engineer are required for certificates of compliance for structural steel, bolts, nuts, washers, and weld filler material prior to the fabrication of any steel

Lintel Notes:

- Unless otherwise noted, for lintels over doors, windows, ducts, and miscellaneous openings in non-bearing 4", 8" and 12" CMU walls and brick walls use for each 4" of masonry:

Angle size	Max. M.O.	Bearing each end
3 1/2" x 3/8" Flat plate	2'-0"	6"
3 1/2" x 4" x 5/16" (LLV)	3'-6"	6"
3 1/2" x 5" x 5/16" (LLV)	5'-0"	6"
3 1/2" x 6" x 5/16" (LLV)	6'-0"	6"
3 1/2" x 8" x 3/8" (LLV)	8'-0"	6"

- Openings in non-bearing walls masonry where no specific lintels or lintel sizes are indicated shall have 6" bearing at each end and shall have the following sizes:

Max. M.O.	Wall thickness	Lintel size
4'-0"	8"	N8x24
4'-0"	4"-13"	N8x31 + 5/16" plate
12'-0"	8"	N8x28
12'-0"	4"-13"	N8x35 + 5/16" plate

Plates indicated in above lintels shall have a width 1" less than the wall thickness and a length 1" less than the masonry opening.

Provide 1 1/2" x 5/8" x 0'-1 1/2" bearing plates on 3/4" grout bed with (2)-5/8" diameter x 6" long welded anchor studs at 3" o.c. unless otherwise noted. Field weld bottom flange of beam to bearing plate with 1/4" weld at each side of flange.

- For 6" masonry partitions use WT 7x19 for spans up to 7'-0" with 6" bearing each end.
- For 10" masonry partitions use WT 7x21.5 for spans up to 7'-0" with 8" bearing each end.
- Fill the first two courses directly under bearing with grout for 16" length.
- See architectural and mechanical drawings for size and location of openings.
- When openings occur in bearing walls or the height of masonry above the lintel is less than the opening width or when a control joint is located directly above or within 16" of the jamb opening and drawings do not otherwise indicate a specific lintel design, consult with the architect to confirm lintel requirements.
- Lintels over adjacent openings with piers between less than 2'-8" wide shall be continuous over piers. Masonry units of such piers shall be filled with grout for full story height.
- Connect lintel to structural steel columns when there is less than 16" of masonry between the masonry opening and the outermost face of column.
- Lintels supporting exterior masonry shall be hot-dipped galvanized. See structural steel notes.
- Lintels for openings in walls: These plans do not show the full scope of steel lintels required for new wall openings for doors, windows, ducts, louvers, etc.. For masonry opening size and location of all wall openings, see architectural and mechanical drawings. Do not scale openings. For steel lintel size for corresponding masonry opening size, see notes, above, unless otherwise noted on plans.
- Contractor shall design and provide shoring system as indicated in shoring note in general notes. Shoring capacity shall exceed 1000 lbs. per linear foot per foot of wall width unless otherwise noted.

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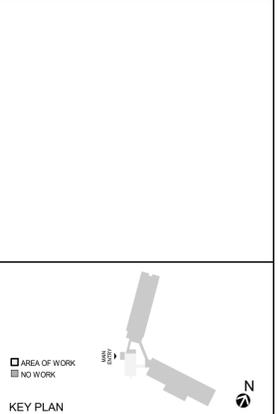
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Structural Engineers  
83 Wooster Heights Road | Suite 200  
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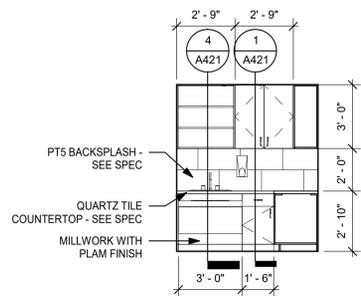
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2	07-12-22	ISSUE FOR BID
1	03-24-22	CONSTRUCTION DOCUMENTS
No.	Date	Issue
Sheet Title		

LOW ROOF FRAMING PLAN

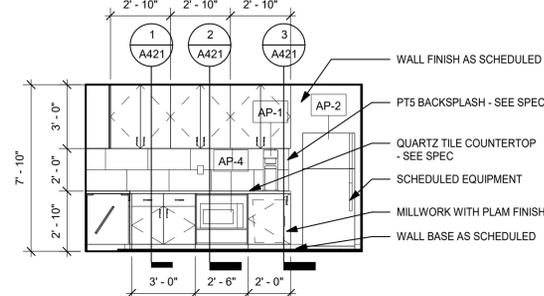
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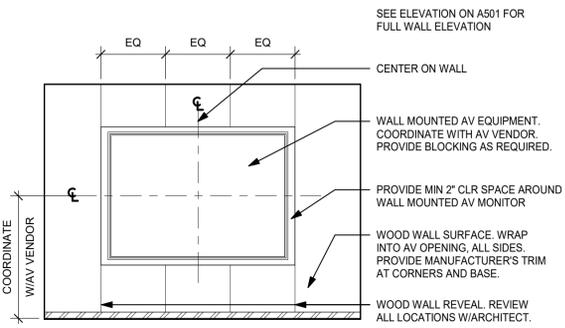




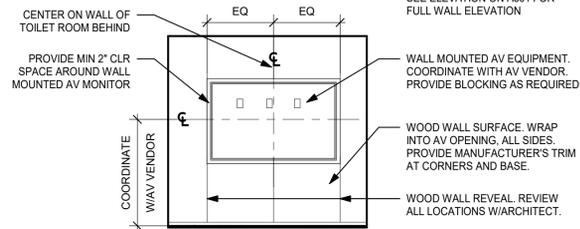
**3 PANTRY SOUTH ELEVATION**  
1/4" = 1'-0"



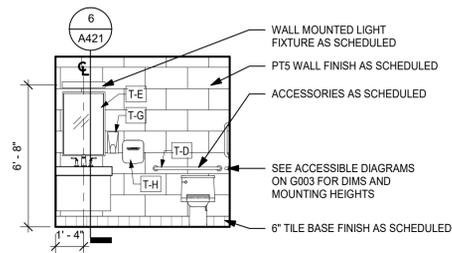
**2 PANTRY EAST ELEVATION**  
1/4" = 1'-0"



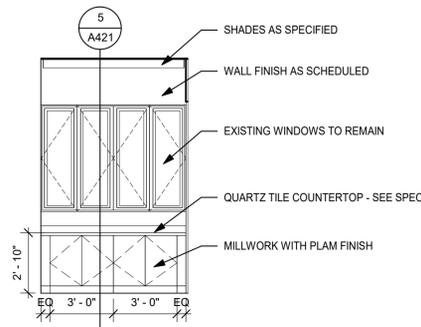
**5 CONFERENCE AV ELEVATION**  
1/4" = 1'-0"



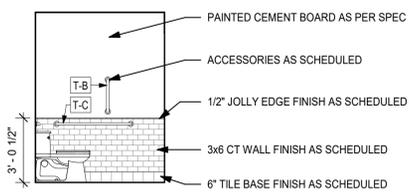
**4 LOBBY AV ELEVATION**  
1/4" = 1'-0"



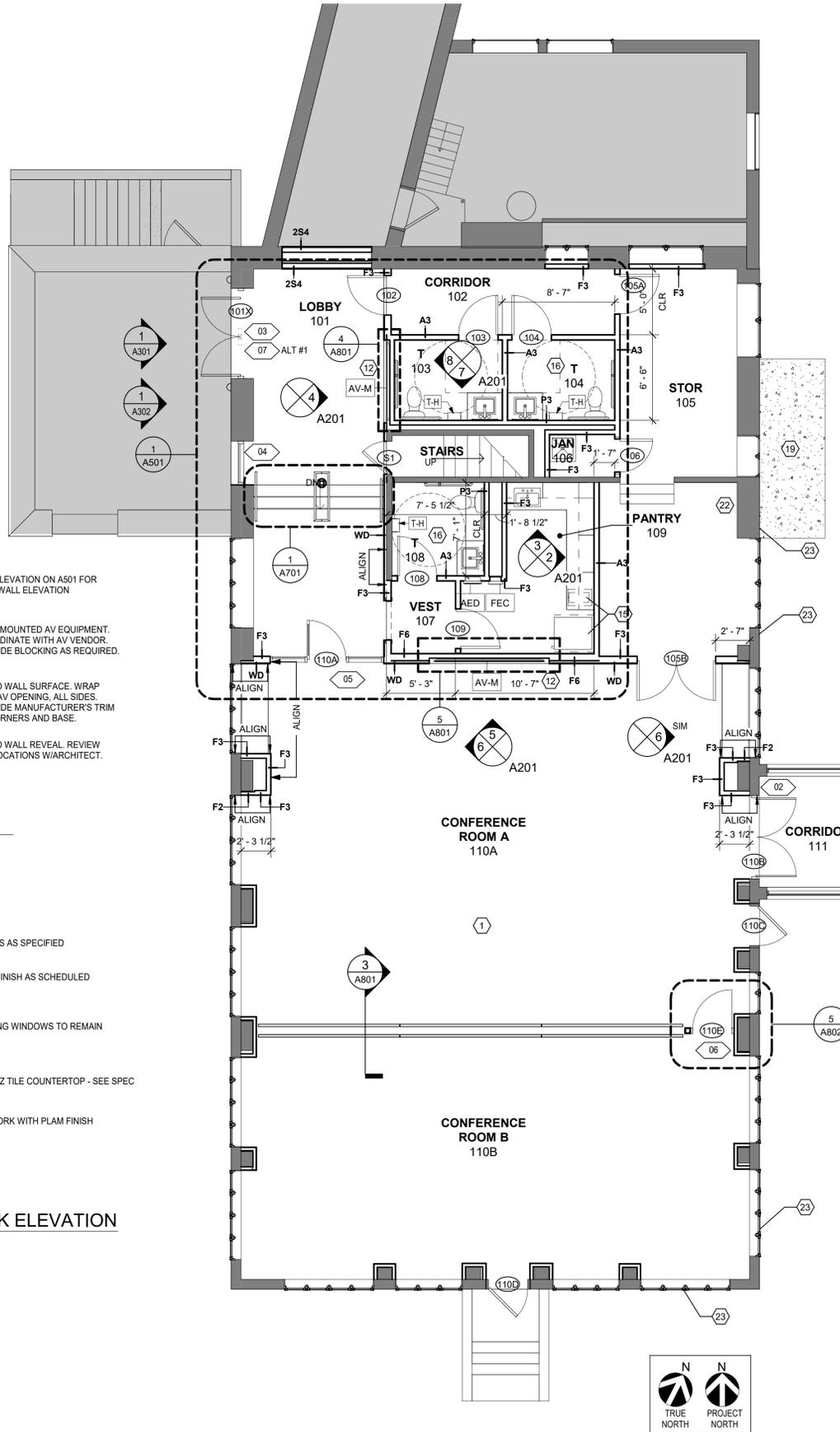
**7 TOILET ROOM WET WALL ELEVATION, TYP**  
1/4" = 1'-0"



**6 CONFERENCE MILLWORK ELEVATION**  
1/4" = 1'-0"



**8 TOILET ROOM SIDE WALL ELEVATION**  
1/4" = 1'-0"



**1 FLOOR PLAN**  
3/16" = 1'-0"

**GENERAL FLOOR PLAN NOTES**

- WHERE FURRED PARTITIONS EXCEED MAXIMUM HEIGHT, BRACE TO ADJACENT STRUCTURE.
- ALL INTERIOR PARTITION, PENETRATIONS, OTHER OPENINGS IN THE BUILDING SHELL SHALL BE SEALED, GASKETED, OR WEATHER STRIPPED.
- PROVIDE METAL STUD ANCHOR BRACKETS AT LOCATIONS INCLUDING BUT NOT LIMITED TO: GRAB BARS, SHELVING, OVERHEAD CABINETS, SIGNAGE, TOILET ROOMS ACCESSORIES, WALL MOUNTED AV EQUIPMENT, ETC.
- ALL DIMENSIONS TO THE EXTERIOR WALL ARE TO THE INSIDE FACE OF EXISTING SILL OR FINISH SURFACE. ALL PARTITIONS ARE DIMENSIONED FROM FACE OF PARTITION TYPE AS INDICATED UON. ALL DIMENSIONS MARKED "CLEAR" OR "CLR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESSES OF ALL WALL FINISHES. DIMENSIONS SHALL NOT VARY MORE THAN +/- 1/8" WITHOUT WRITTEN CONSENT FROM THE ARCHITECT.
- EXISTING STUD WALLS TO REMAIN TO BE FLOATED AS REQUIRED TO PROVIDE SMOOTH SUBSTRATE (LEVEL 4). PREPARE FOR INSTALLATION OF NEW FINISHES.
- PATCH AND REPAIR EXISTING SLAB WITH HYDRAULIC CEMENT UNDERLAYMENT AS REQUIRED IN PREPARATION FOR NEW CONSTRUCTION. FLOORING TO BE LEVEL WITHIN A TOLERANCE OF 1/8" OVER 10'-0". FOR MAJOR DISCREPANCIES, VERIFY WITH ARCHITECT BEFORE PERFORMING ANY LEVELING WORK.
- PROVIDE ADJACENT PARTITION TYPE ABOVE ALL STOREFRONT SYSTEMS.
- REFER TO DEVICE ALIGNMENT DIAGRAMS ON SHEET A911 FOR TYPICAL LOCATIONS OF SWITCHES, CONTROLS, AND DEVICES.
- PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS UON.
- ALL DEMISING WALLS TO EXTEND TO DECK WITH GYP BOARD EXTENDING FULL HEIGHT OF PARTITION UON.
- LOCATE DOORS 4" FROM WALL, TYP.
- WHERE INFILLING MASONRY WALLS, MASONRY IS TO MATCH THE EXISTING SIZE. JOINTS ARE TO BE ALIGNED, AND THE WALL SHOULD HAVE A CLEAN APPEARANCE.

**GENERAL KEYNOTES**

- PATCH AND REPAIR AS REQUIRED IN PREPARATION FOR NEW CONSTRUCTION
- COORDINATE POWER REQUIREMENTS AND MOUNTING HEIGHTS WITH SCHEDULED EQUIPMENT
- PROVIDE WATER LINE AND SHUT OFF VALVE FOR COFFEE MAKER AND REFRIGERATOR
- REFERENCE ACCESSIBILITY DIAGRAMS ON SHEET G003 FOR ADA CLEARANCES AND MOUNTING HEIGHTS.
- PROVIDE CONCRETE PAD AT THIS LOCATION FOR NEW MECHANICAL EQUIPMENT. COORDINATE W/ MECH DRAWINGS.
- GC TO PROVIDE 4'x8' SHEET OF 3/4" PLYWOOD AND PAINT TO MATCH WALL.
- PROVIDE EXTERIOR EXHAUST LOUVER IN THIS LOCATION ON SECOND STORY. COORDINATE W/ MECH DRAWINGS.

**FLOOR PLAN LEGEND**

- EXISTING ROOM OR ZONE TO REMAIN, NOT INCLUDED IN THIS SCOPE OF WORK
- EXISTING CONSTRUCTION TO REMAIN (DOOR, WALL, GLAZING, ETC.)
- NEW PARTITION AS INDICATED
- NEW GLAZED OPENING WITH ALUM OR HM FRAME AS INDICATED
- FEC - FIRE EXTINGUISHER CABINET
- AED - DEFIBRILLATOR
- NEW DOOR, DOOR NUMBER
- WALL TYPE
- FRAME TYPE
- KEY NOTES

FFE SCHEDULE			
TAG	QTY	TYPE	COMMENTS
AED	1	Defibrillator	
AP-1	1	Coffee Maker	
AP-2	1	Refrigerator	
AP-4	1	Microwave	
AV-M	2	AV Monitor	1 in Lobby 1 in Conference Room A
AV-P	1	Projector	See RCP
AV-S	1	Projector Screen	See RCP
FEC	1	FEC - Semi Recessed - Red Die Cut	
SH-1	13	Window Shade	Located in Conference Room A and B - See RCP
T-H	3	Hand Dryer	
Grand total: 25			

NOTE: ADDITIONAL ACCESSORIES INCLUDE, BUT NOT LIMITED TO, SOAP DISPENSERS, TOILET PAPER DISPENSERS, ETC.

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No.	Date	Issue
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS

**FLOOR PLAN & INTERIOR ELEVATIONS**

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker

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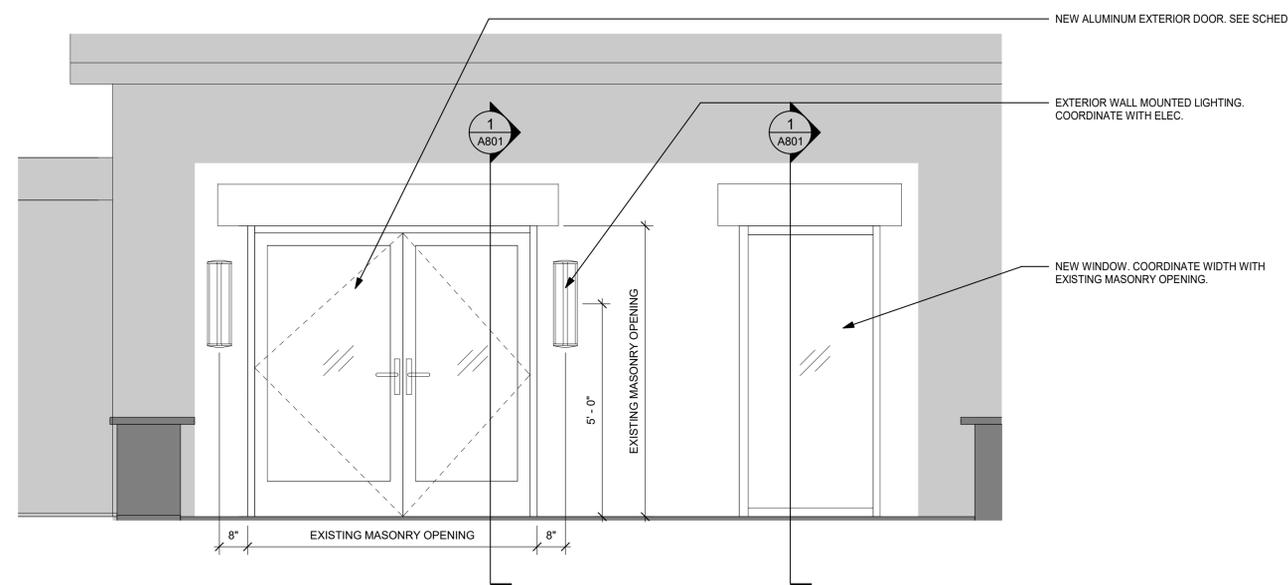
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**EXTERIOR ELEVATIONS**

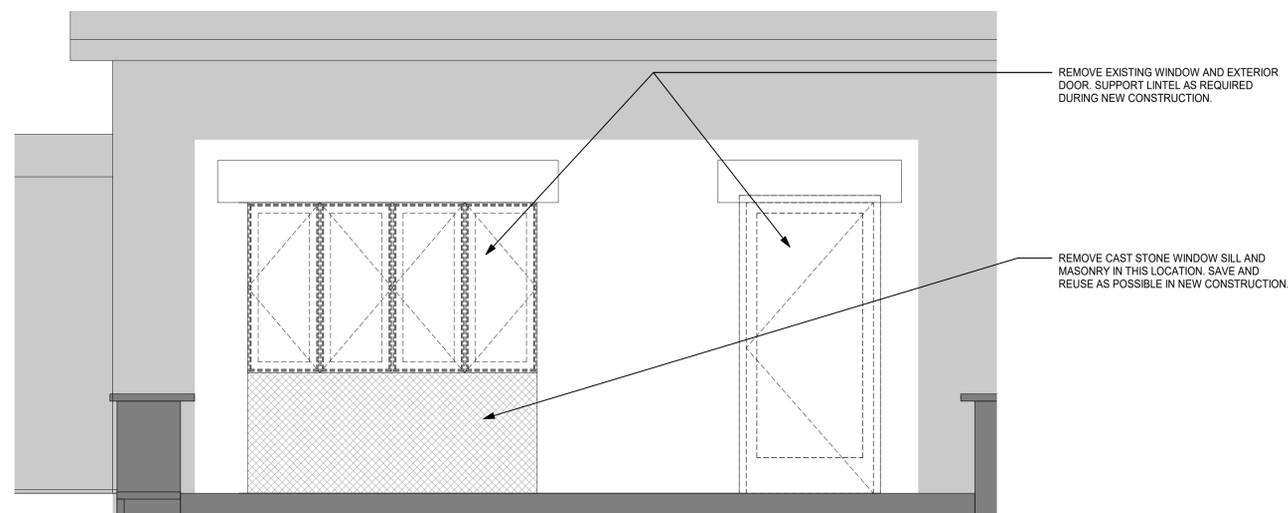
Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author / Checker

Sheet Number

**A301**



**1 EXTERIOR ELEVATION**  
1/2" = 1'-0"



**2 DEMO EXTERIOR ELEVATION**  
1/2" = 1'-0"

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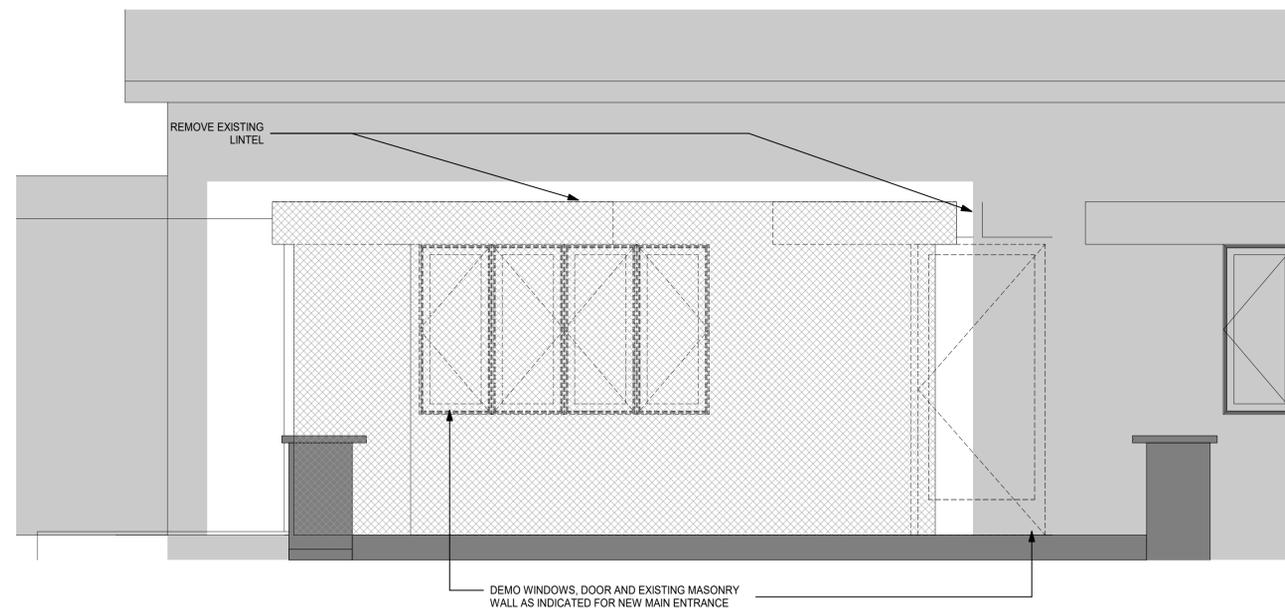
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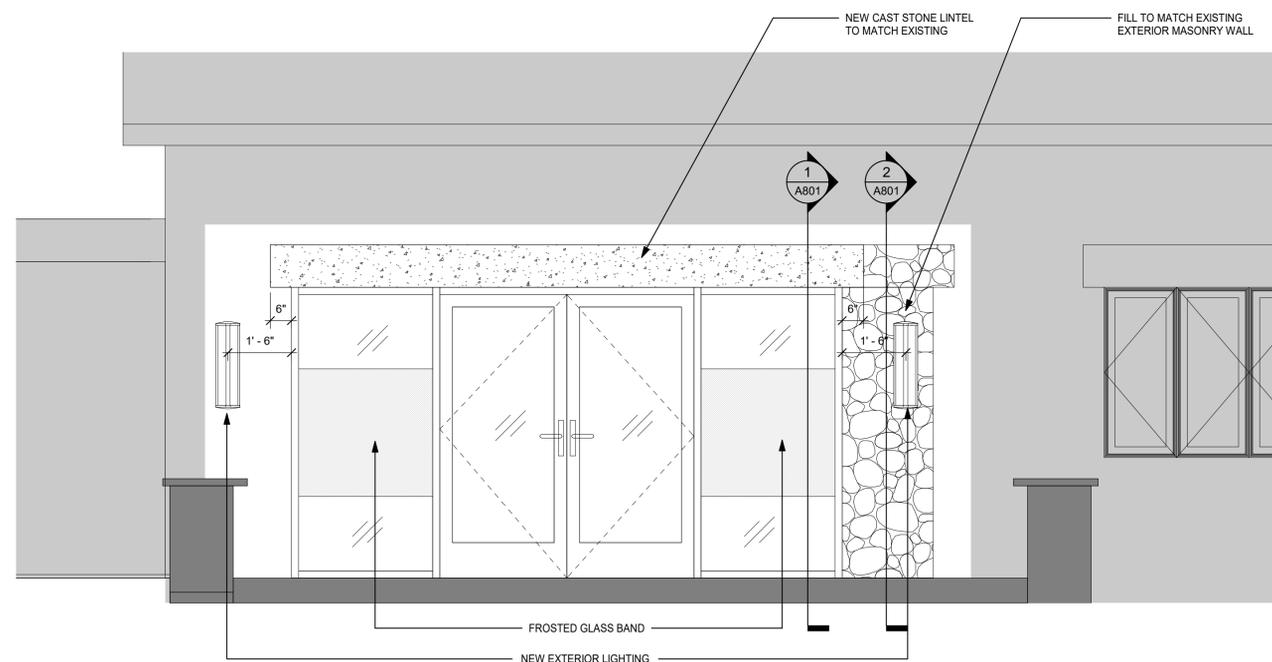
EXISTING CONDITIONS



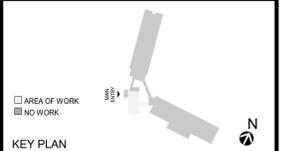
ALTERNATE - NEW CONSTRUCTION



**2** ALTERNATE - DEMO EXTERIOR ELEVATION  
 1/2" = 1'-0"



**1** ALTERNATE - EXTERIOR ELEVATION  
 1/2" = 1'-0"



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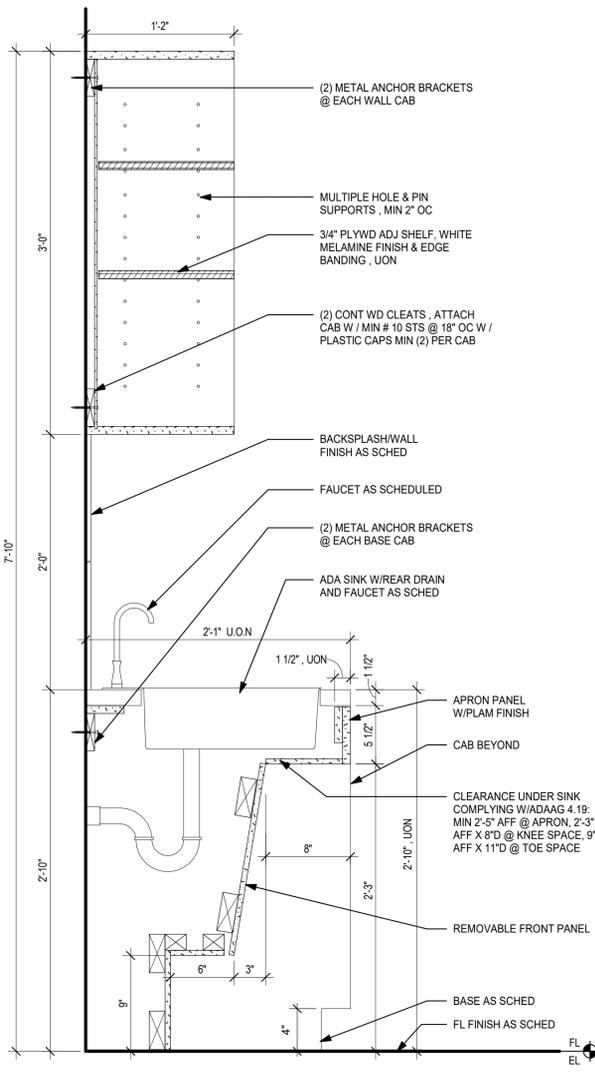
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No.	Date	Issue
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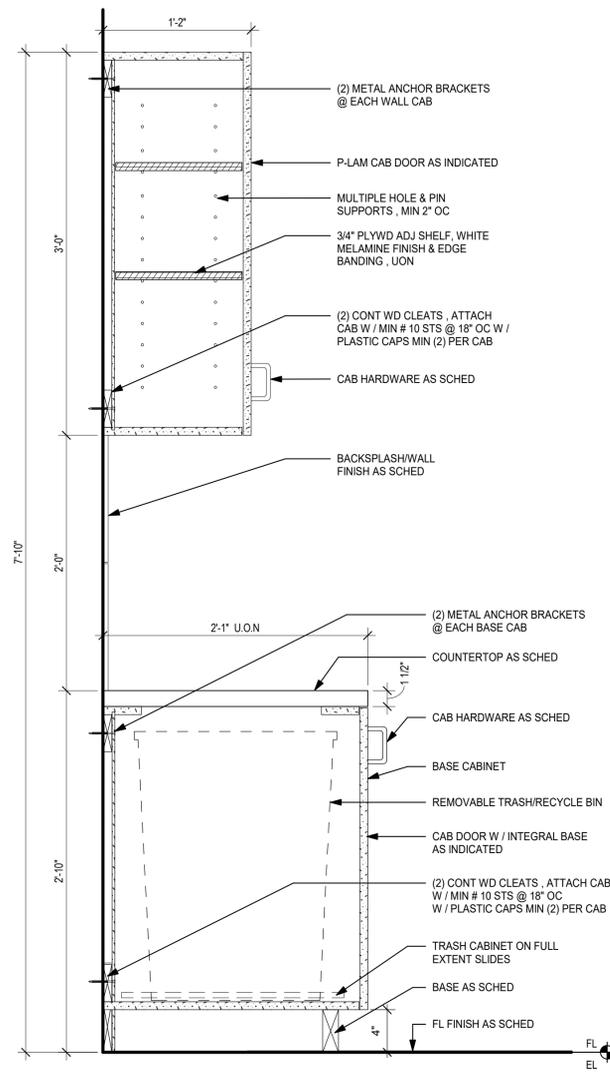
**ALTERNATE - EXTERIOR ELEVATIONS**

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author / Checker

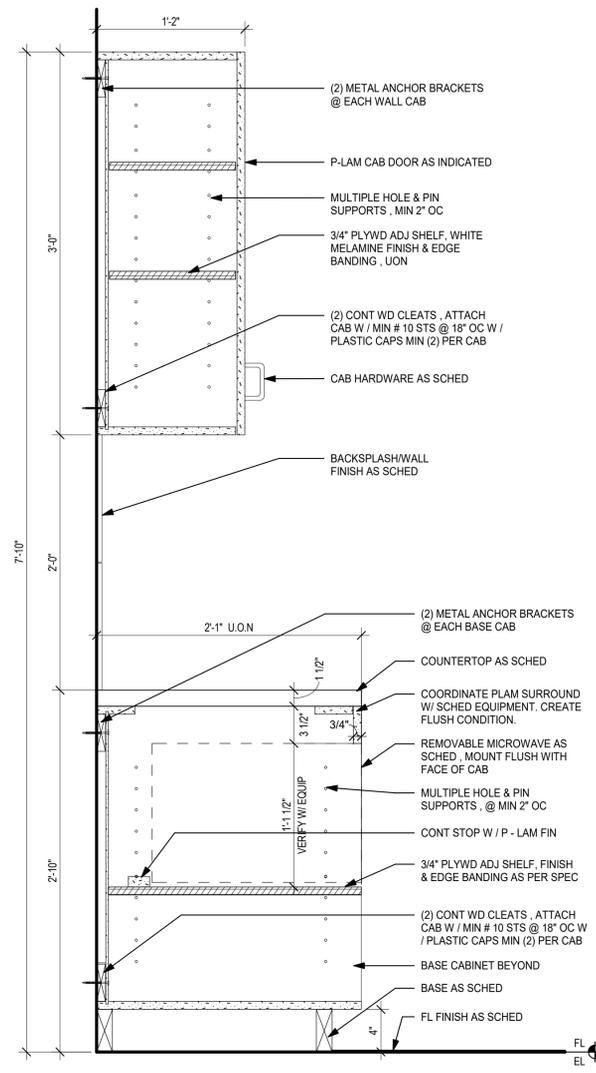
Sheet Number  
**A302**



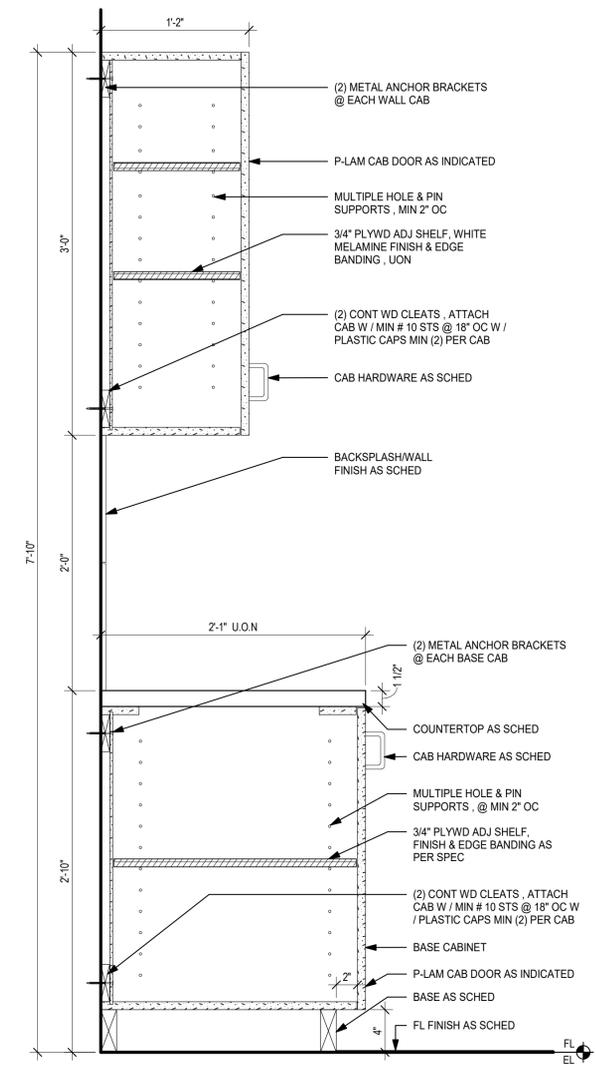
**4 KITCHEN ADA SINK W/ OPEN CABINET**  
1 1/2" = 1'-0"



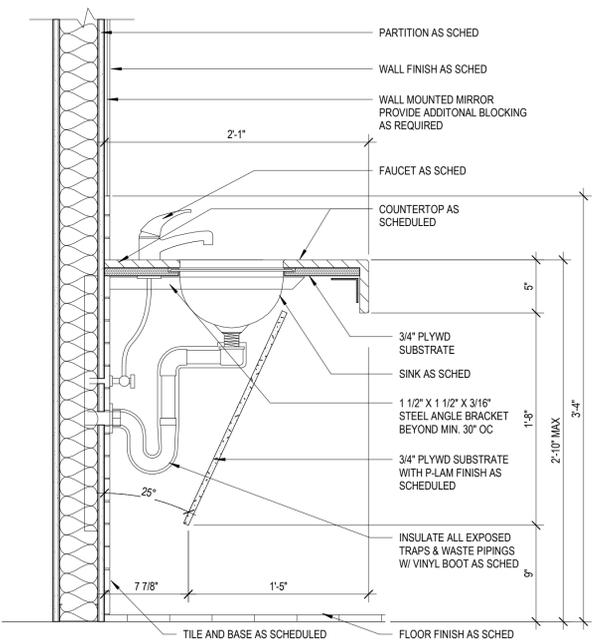
**3 TRASH BASE CABINET & UPPER CABINET**  
1 1/2" = 1'-0"



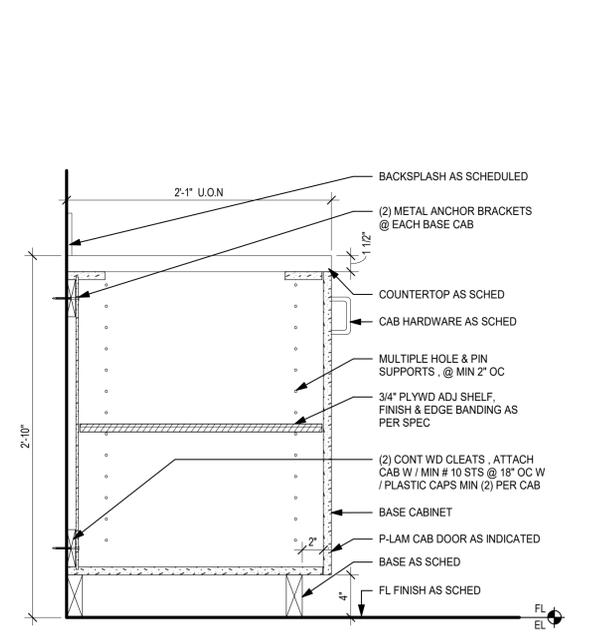
**2 MICROWAVE BASE CABINET & UPPER CABINET**  
1 1/2" = 1'-0"



**1 TYP BASE CABINET W/ UPPER CABINET**  
1 1/2" = 1'-0"



**6 TOILET ROOM ADA SINK**  
1 1/2" = 1'-0"



**5 TYPICAL BASE CABINET**  
1 1/2" = 1'-0"



KEY PLAN

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**MILLWORK DETAILS**

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker

Sheet Number  
**A421**

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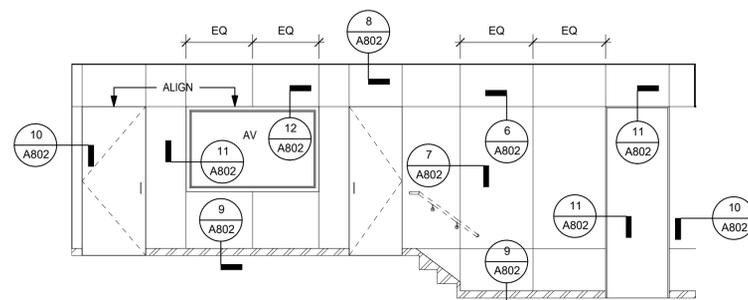
Sheet Title

**FINISH PLAN & SCHEDULE**

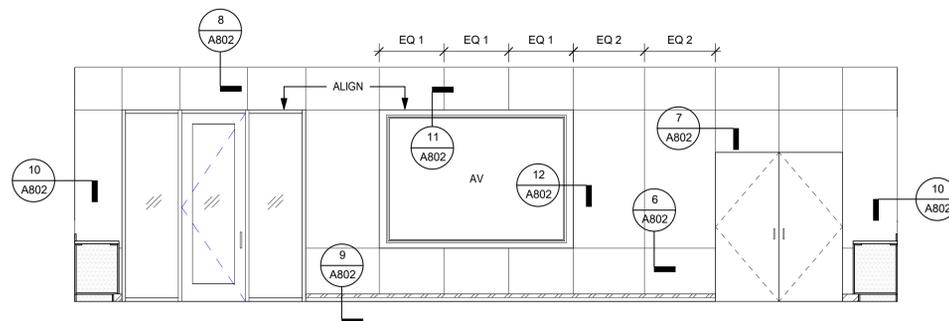
Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker

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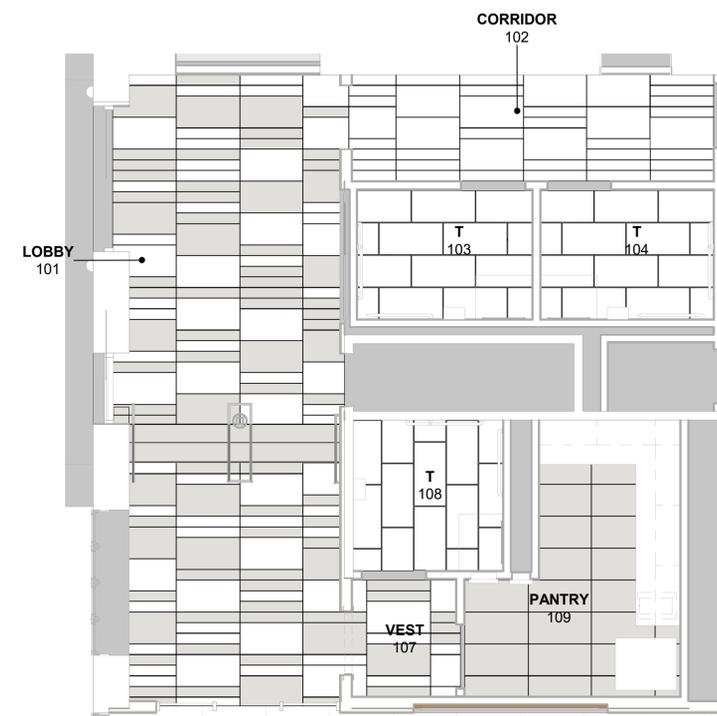
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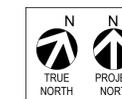
**2 LOBBY WALL PANEL ELEVATION**  
1/4" = 1'-0"



**3 CONFERENCE WALL PANEL ELEVATION**  
1/4" = 1'-0"



**1 FLOOR TILE PATTERN**  
1/4" = 1'-0"



**FINISH LEGEND**

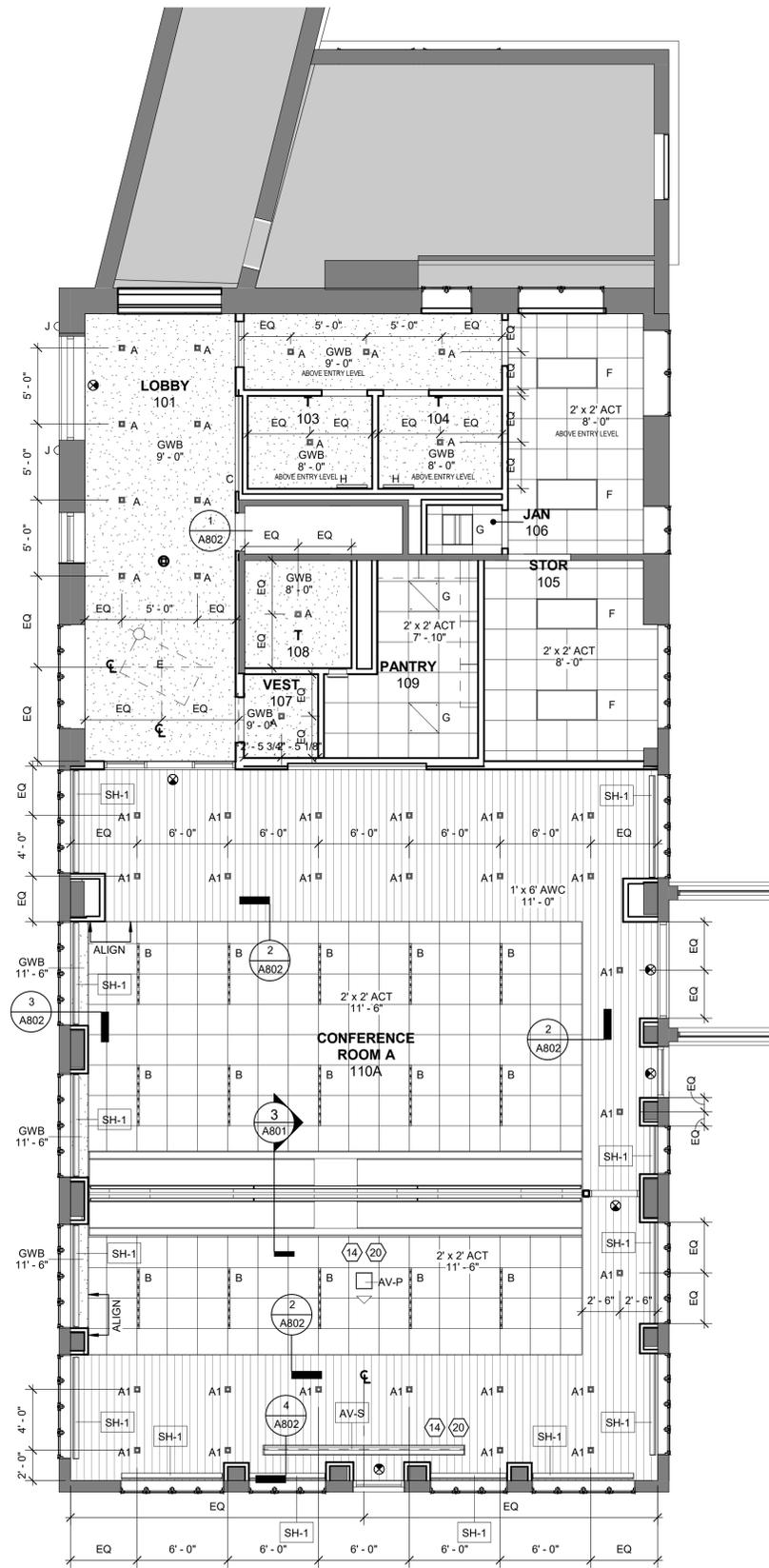
	PORCELAIN TILE 1
	PORCELAIN TILE 2
	PORCELAIN TILE 3
	PORCELAIN TILE 4

ROOM #	ROOM NAME	Finish Schedule												Comments
		FLOOR		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		
		FIN	BASE	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
101	LOBBY	PT1 thru PT4	WRB	GWB/EX	PTD	CB/EX	WDP	EX/GWB/WW	PTD/FF	GWB	PTD	GWB	PTD	
102	CORRIDOR	PT1, PT3	WRB	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	
103	T	PT1	PTB	CB	CT @ 36.5" w/ GWB above	CB	CT @ 36.5" w/ GWB above	CB	PT5	CB	CT @ 36.5" w/ GWB above	GWB	PTD	SEE ELEVS 7/A201 AND 8/A201
104	T	PT1	PTB	CB	CT @ 36.5" w/ GWB above	CB	CT @ 36.5" w/ GWB above	CB	PT5	CB	CT @ 36.5" w/ GWB above	GWB	PTD	SEE ELEVS 7/A201 AND 8/A201
105	STOR	VCT 1	RB	GWB/EX	PTD	EXIST	PTD	EX/GWB	PTD	GWB	PTD	ACT 1	FF	
106	JAN	CONC	S&S	GWB	PTD	GWB	PTD	EXIST	PTD	GWB	PTD	ACT 1	FF	
107	VEST	PT1 thru PT4	WRB	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	
108	T	PT1	PTB	CB	CT @ 36.5" w/ GWB above	CB	PT5	CB	CT @ 36.5" w/ GWB above	CB	CT @ 36.5" w/ GWB above	GWB	PTD	SEE ELEVS 7/A201 AND 8/A201
109	PANTRY	PT2	PTB	CB	PT5/PTD	CB	PT5/PTD	GWB	PTD	GWB	PTD	ACT 1	FF	SEE ELEVS 2/A201 AND 3/A201
110A	CONFERENCE ROOM A	CPT	RB/WRB	CB	WDP	GWB	PTD	-	-	GWB	PTD	ACT 1, AWC	FF	SEE RCP
110B	CONFERENCE ROOM B	CPT	RB	-	-	GWB	PTD	GWB	PTD	GWB	PTD	ACT 1, AWC	FF	SEE RCP

NOTE:  
 - REFER TO SPEC FOR MORE FINISH INFORMATION  
 - \* INDICATES STYLE - REFER TO SPEC

**ABBREVIATIONS:**

ACT*	ACOUSTIC CEILING TILE
AWC	ACOUSTIC WOOD CEILING
CB	CEMENT BOARD
CPT	CARPET
CT	CERAMIC TILE
EX/EXIST	EXISTING
FF	FACTORY FINISH
GWB	GYPSUM WALLBOARD
PT*	PORCELAIN TIL
PTB	PORCELAIN TILE BASE
PTD	PAINTED
RB	RUBBER BASE
VCT*	VINYL COMPOSITE TILE
WDP	WOOD PANELS
WRB	WOOD RUBBER BASE



1 REFLECTED CEILING PLAN  
3/16" = 1'-0"

GENERAL CEILING NOTES

- REFLECTED CEILING PLANS INDICATE:  
A. GENERAL TYPE AND SPECIFIC LOCATION OF LIGHT FIXTURES OF SIGNAL & EQUIPMENT DEVICES.
- PROVIDE STRUCTURAL SUPPORT AS REQUIRED BY MANUFACTURER FOR FIXTURES.
- CEILING MOUNTED FIXTURES & EQUIPMENT, INCLUDING EXIT SIGNS, HVAC REGISTERS, SPRINKLER HEADS, ETC. ARE TO BE CENTERED IN THE CEILING TILES.
- CEILING HEIGHTS SHOWN IN PLANS, SECTIONS, & DETAILS SHALL TAKE PRECEDENCE OVER HEIGHTS INDICATED ELSEWHERE.
- ALL STROBES SHALL BE LOCATED @ +1.80' AFF WHERE LOCATED ON PARTITION. SEE ENGINEER'S DRAWINGS FOR LOCATIONS AND SPECIFICATIONS.
- ALL STROBES TO ALIGN VERTICALLY WITH RECEPTACLE BELOW WHERE OCCURS.
- ARCHITECTS TO REVIEW ALL LIGHT/CEILING FIXTURE LOCATIONS PRIOR TO INSTALLATIONS
- INSTALL THE SUSPENDED CEILING GRID TO BE LEVEL WITHIN A TOLERANCE OF 1/8". ANCHOR AS REQUIRED.
- ARCHITECT TO REVIEW LOCATIONS OF ALL SLOT DIFFUSERS, SPRINKLERS, SMOKE DETECTORS, ETC. IN GWB CEILINGS AND WALLS.
- COORDINATE CEILING MOUNTED SPEAKERS AND AV DEVICES WITH AV VENDOR.

KEYNOTES

- PROVIDE ADDITIONAL BLOCKING AS REQUIRED FOR CEILING MOUNTED AV EQUIPMENT. COORDINATE WITH AV VENDOR.
- PROVIDE POWER AND DATA FOR CEILING MOUNTED AV EQUIPMENT AT THIS LOCATION

CEILING LEGEND:

- GWB CEILING / SOFFIT
- 2'X2' ACT CEILING SYSTEM
- ACOUSTIC WOOD CEILING SYSTEM
- 4-WAY CLNG DIFFUSER
- CEILING REGISTER
- A RECESSED DOWNLIGHT - WHITE FLANGE
- A1 RECESSED DOWNLIGHT - BLACK FLANGE
- B 4' RECESSED LINEAR
- C RECESSED WALL WASH LINEAR
- D NOT USED
- E DECORATIVE PENDANT
- F 2'x4' FLAT PANEL
- G 2'x2' FLAT PANEL
- H WALL SCONCE
- J EXTERIOR WALL SCONCE
- RECESSED PROJECTOR SCREEN
- PROJECTOR
- EXIT SIGN

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Sheet Title

REFLECTED CEILING PLAN

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author / Checker

Sheet Number  
**A601**

NY SED PROJECT CONTROL NO.

50-03-04-03-1-005-006

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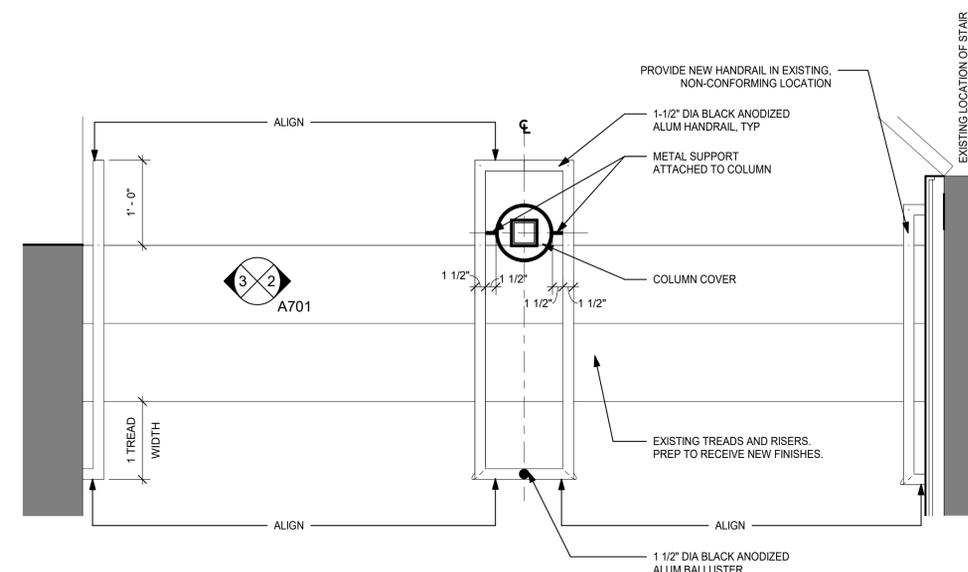
STAIR DETAILS

Job No. 2021-1048 Date 09/10/2021

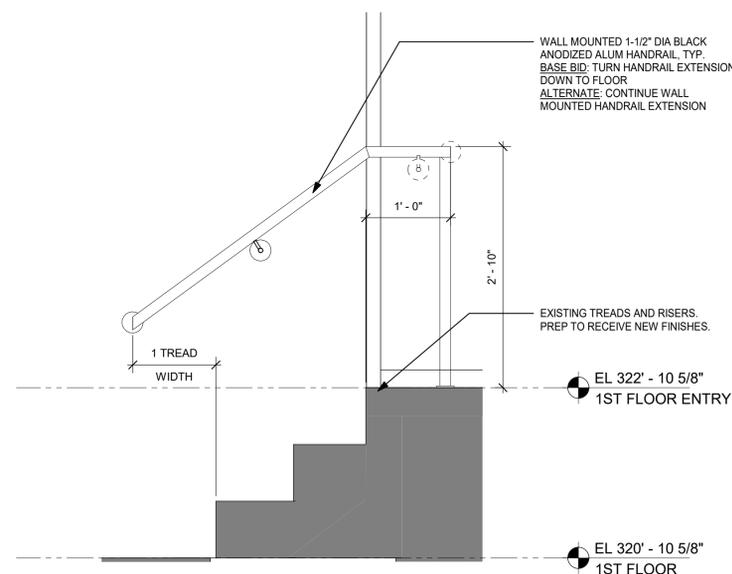
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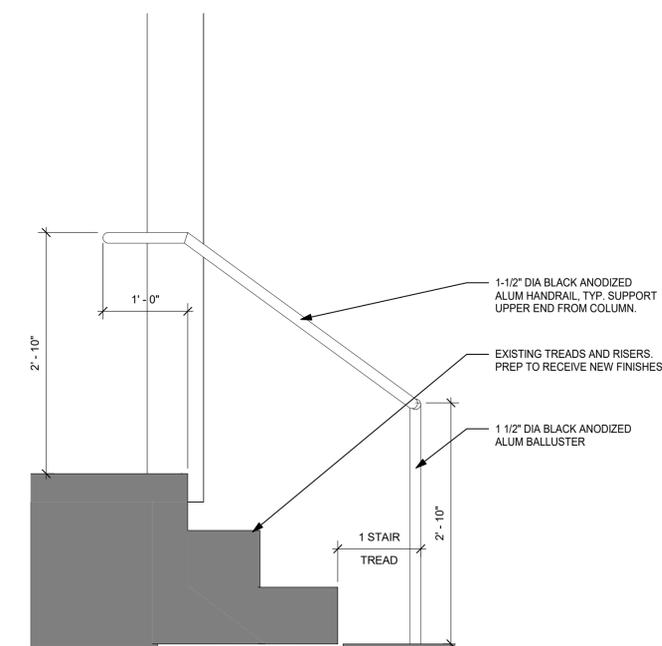
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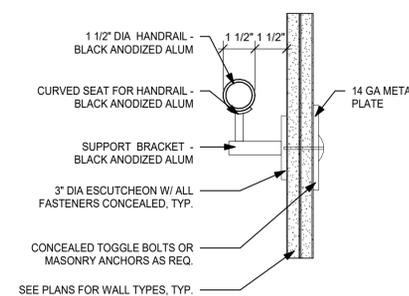
1 ENLARGED STAIR PLAN  
1" = 1'-0"



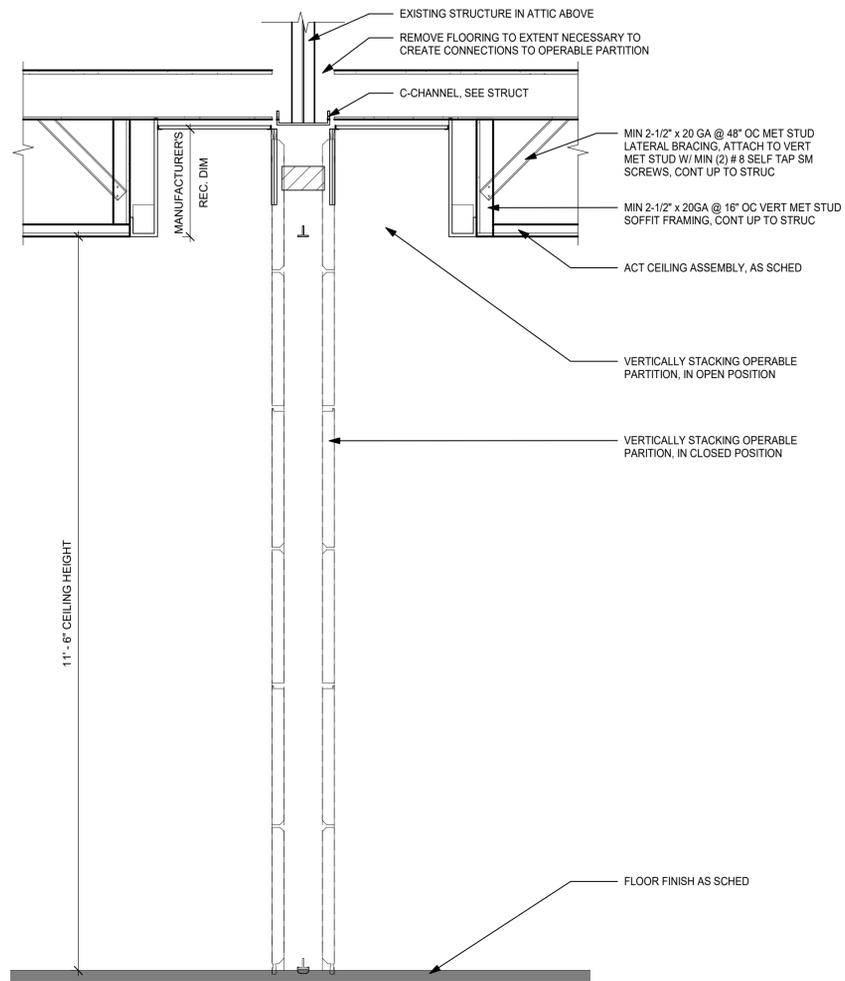
3 SECTION THRU STAIR  
1" = 1'-0"



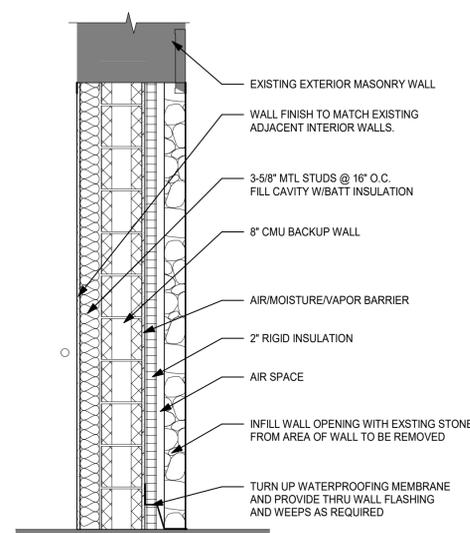
2 SECTION THRU STAIR @ CENTER RAIL  
1" = 1'-0"



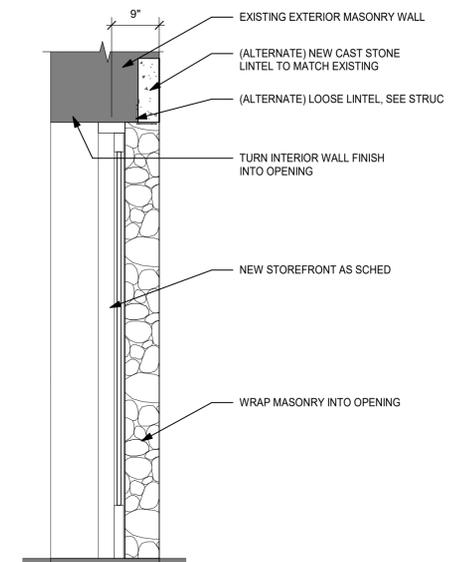
4 TYP DETAIL @ WALL MNTD HANDRAIL  
3" = 1'-0"



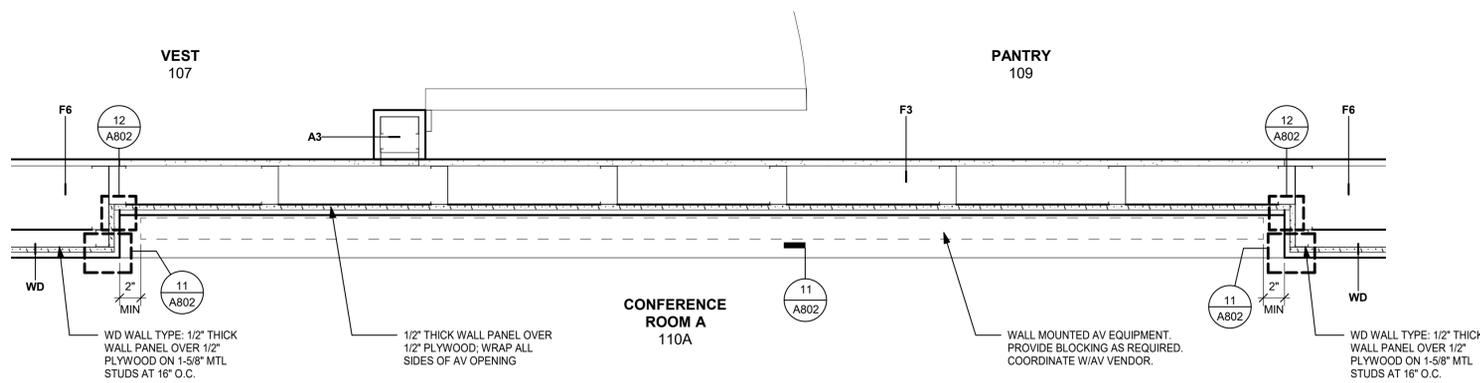
**3 SECTION THRU OPERABLE PARTITION**  
3/4" = 1'-0"



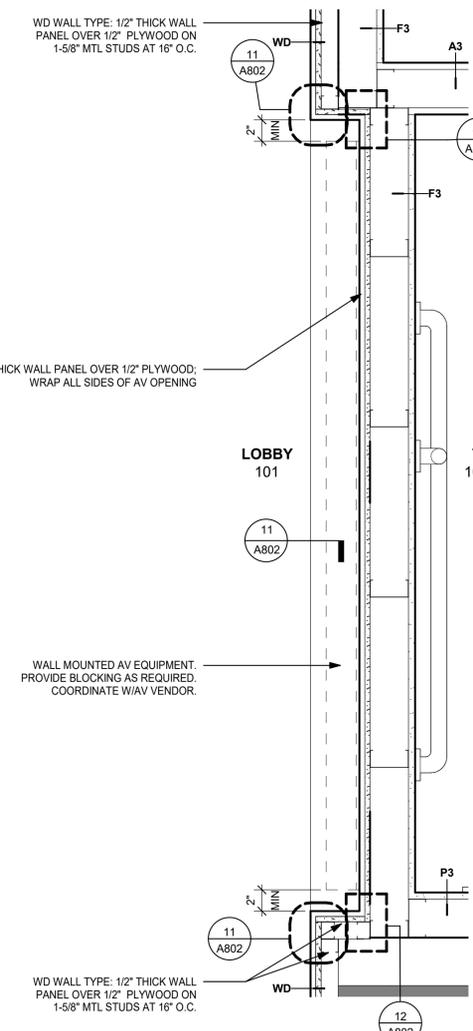
**2 ALTERNATE - WALL SECTION THRU MASONRY WALL**  
3/4" = 1'-0"



**1 WALL SECTION THRU STOREFRONT**  
3/4" = 1'-0"



**5 PLAN DETAIL AT CONFERENCE AV**  
1 1/2" = 1'-0"



**4 PLAN DETAIL AT LOBBY AV**  
1 1/2" = 1'-0"

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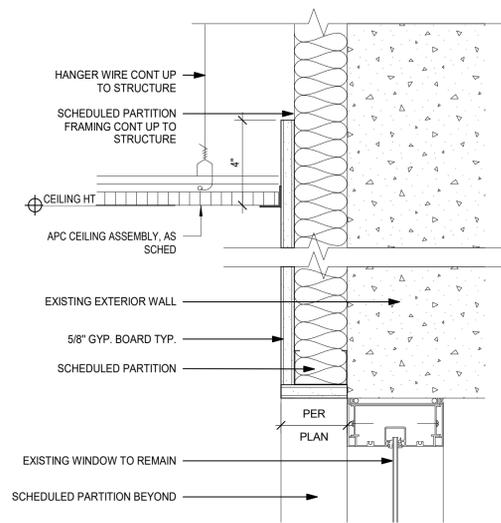
No.	Date	Issue
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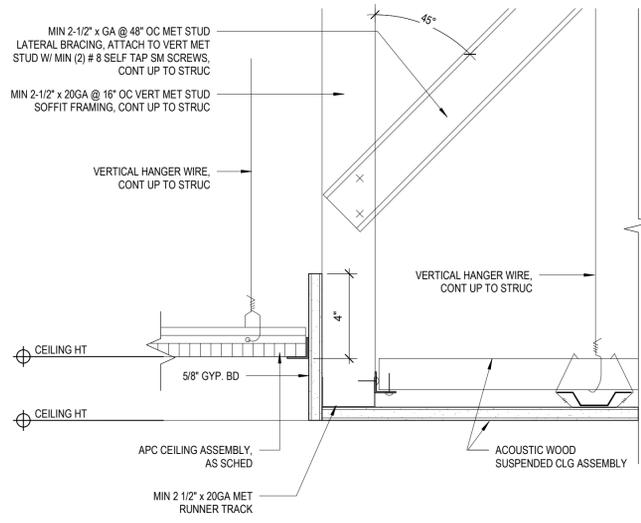
**WALL SECTIONS & PLAN DETAILS**

Job No. 2021-1048	Date 09/10/2021
Scale AS NOTED	Drawn / Checked Author Checker

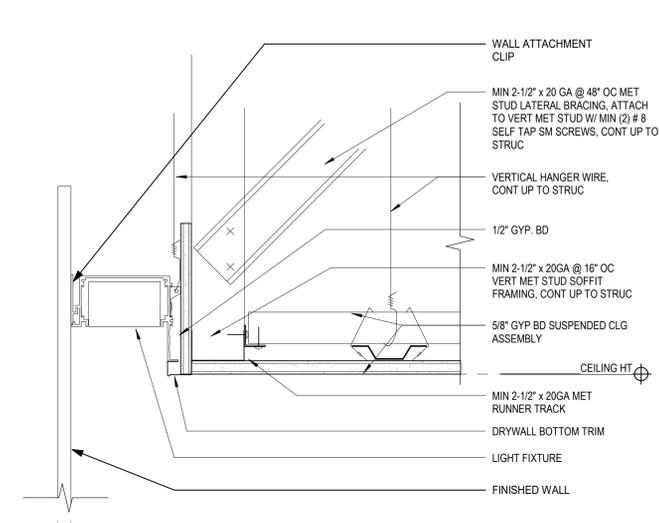
Sheet Number  
**A801**



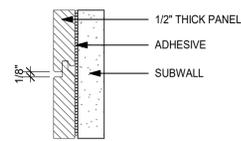
**3** CEILING DETAIL AT PERIMETER  
3" = 1'-0"



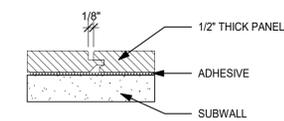
**2** CEILING DETAIL AT SOFFIT  
3" = 1'-0"



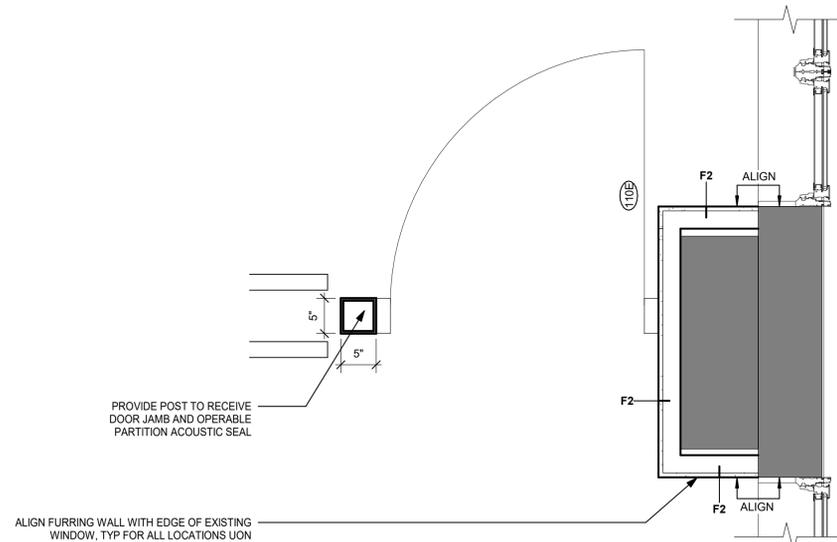
**1** CEILING DETAIL AT PERIMETER COVE LIGHT  
3" = 1'-0"



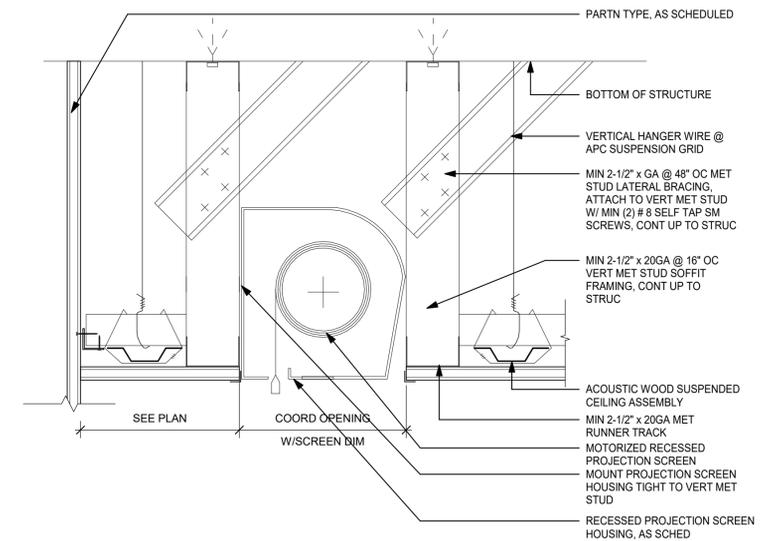
**6** WALL PANEL HORIZONTAL REVEAL  
6" = 1'-0"



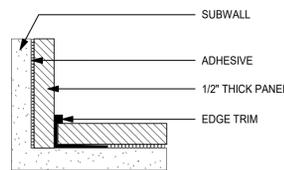
**7** WALL PANEL VERTICAL REVEAL  
6" = 1'-0"



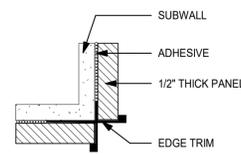
**5** DETAIL @ OPERABLE PART MAN DOOR  
1" = 1'-0"



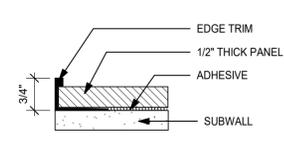
**4** RECESSED PROJECTION SCREEN DET  
3" = 1'-0"



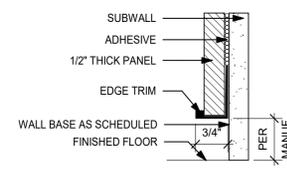
**12** WALL PANEL INSIDE CORNER DETAIL  
6" = 1'-0"



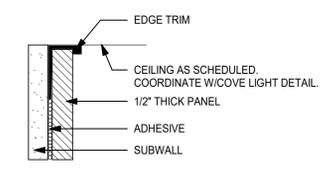
**11** WALL PANEL OUTSIDE CORNER DETAIL  
6" = 1'-0"



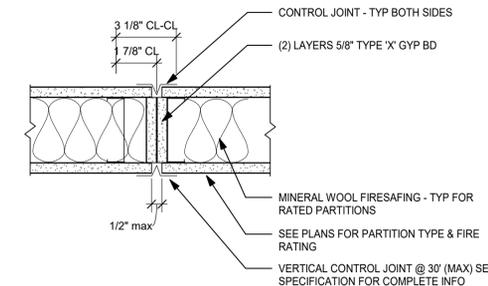
**10** WALL PANEL VERTICAL EDGE DETAIL  
6" = 1'-0"



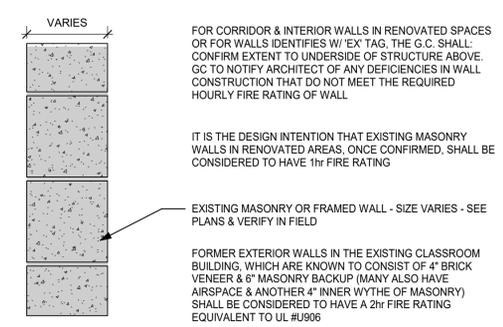
**9** WALL PANEL BOTTOM EDGE DETAIL  
6" = 1'-0"



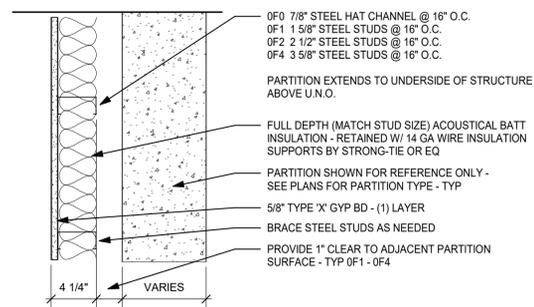
**8** WALL PANEL TOP EDGE DETAIL  
6" = 1'-0"



**A** TYPICAL GYP BD CONTROL JOINT



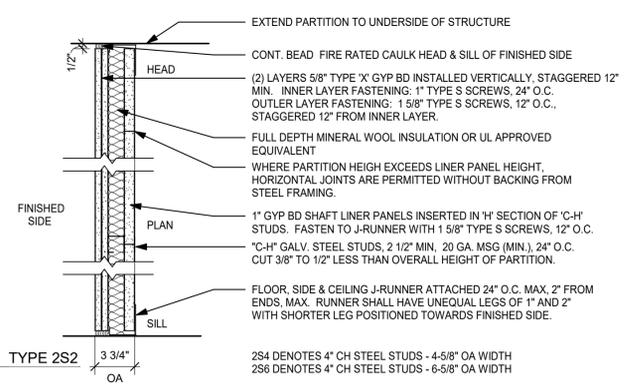
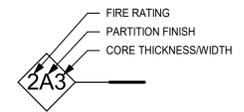
**EX** EXISTING MASONRY WALL



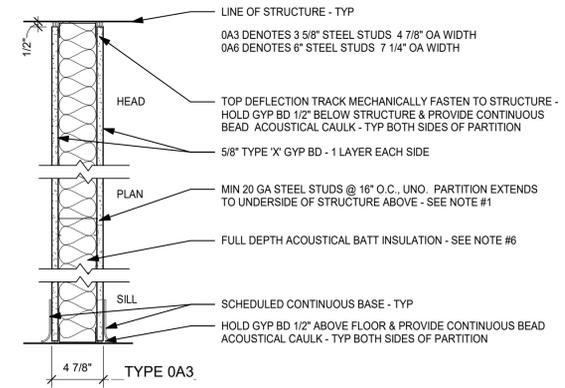
**FX** NON-RATED FURRING PARTITION

**PARTITION TAG NAMING MATRIX**

- 1st NUMBER = FIRE RATING  
 0 = NON-RATED PARTITION TYPE  
 1 = 1 HR FIRE RATED PARTITION TYPE  
 2 = 2 HR FIRE RATED PARTITION TYPE
- 2nd NUMBER = PARTITION FINISH  
 A = GYPSUM BOARD - BOTH SIDES  
 B = CEMENTITIOUS BOARD - 1 OR BOTH SIDES  
 C = ABUSE RESISTANT BOARD - 1 OR BOTH SIDES  
 F = FURRING PARTITION  
 M = MASONRY PARTITION - CMU  
 P = PLUMBING CHASE  
 S = SHAFT PARTITION
- 3rd NUMBER = PARTITION CORE THICKNESS / WIDTH  
 0 = 7/8\"/>



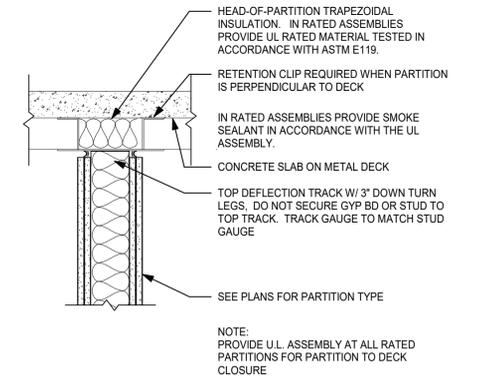
**2SX** 2 HR SHAFT PARTITION - UL #U415 - SYSTEM B  
 DESIGN STC = 45  
 FIELD STC = 38 (MIN)



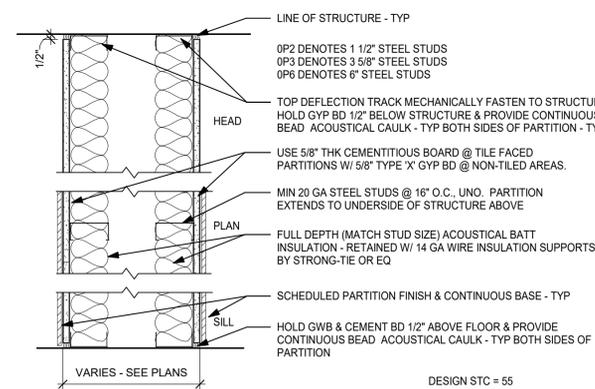
**AX** NON-RATED STEEL STUD WALL

**PARTITION CONSTRUCTION NOTES**

- PROVIDE DEFLECTION TRACK AT TOP OF ALL PARTITIONS THAT EXTEND TO STRUCTURE ABOVE, (TYPICAL). PROVIDE FIRE-RATED DEFLECTION TRACK SYSTEM AT TOP OF ALL FIRE-RATED PARTITIONS, (TYPICAL). SEE DETAIL H1 ON THIS SHEET.
- SEE SPECIFICATIONS FOR FIRESTOPPING REQUIREMENTS.
- WHERE ACOUSTICAL BATT INSULATION IS USED IN PARTITIONS: SEAL AIRTIGHT W/ NON-HARDENING ACOUSTICAL SEALANT AT TOP, BOTTOM & SIDES. PARTITION MOUNTED ELECTRICAL BOXES SHOULD BE OFFSET MIN 24\"/>



**H1** TYPICAL PARTITION HEAD DETAIL @ METAL DECK PERPENDICULAR TO DECK



**PX** NON-RATED CAVITY PARTITION - PLUMBING, ETC.  
 DESIGN STC = 55  
 FIELD STC = 51 (MIN)

KEY PLAN

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Sheet Title  
**WALL TYPES AND GENERAL NOTES**

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker

Sheet Number  
**A901**

Door Schedule																
Level	Mark	From Room	From #	To Room	# LEAVES	WI	HT	ELEV	Door Mat	Door Fin	Frame Mat	Frame Fin	Fire Label	Saddle	HDWE SET	Comments
1ST FLOOR ENTRY	101X	LOBBY	101		2	3'-3"	6'-8"	G								DOOR IS PART OF ALTERNATE #1
1ST FLOOR ENTRY	102	LOBBY	101	CORRIDOR	1	3'-0"	7'-0"	F	WD	WD	HM	P			6.0	DOOR TO BE INTEGRAL TO WOOD FEATURE WALL
1ST FLOOR ENTRY	103	CORRIDOR	102	T	1	3'-0"	7'-0"	F	WD	WD	HM	P		SL	5.0	
1ST FLOOR ENTRY	104	CORRIDOR	102	T	1	3'-0"	7'-0"	F	WD	WD	HM	P		SL	5.0	
1ST FLOOR ENTRY	105A	CORRIDOR	102	STOR	1	3'-0"	7'-0"	F	HM	PTD	HM	P			4.0	
1ST FLOOR ENTRY	106	STOR	105	JAN	1	2'-6"	7'-0"	F	HM	PTD	HM	P			4.0	
1ST FLOOR ENTRY	S1	LOBBY	101	STAIRS	1	2'-6"	7'-0"	F	WD	WD	HM	P			7.0	DOOR TO BE INTEGRAL TO WOOD FEATURE WALL
1ST FLOOR	105B	CONFERENCE ROOM A	110A	STOR	2	3'-0"	7'-0"	F	WD	WD	HM	P			3.0	DOOR TO BE INTEGRAL TO WOOD FEATURE WALL
1ST FLOOR	108	VEST	107	T	1	3'-0"	7'-0"	F	HM	PTD	HM	P		SL	5.0	
1ST FLOOR	109	VEST	107	PANTRY	1	3'-0"	7'-0"	F	HM	PTD	HM	P			6.0	
1ST FLOOR	110A	CONFERENCE ROOM A	110A	LOBBY	1	3'-0"	8'-10"	G	AL	FF	AL	FF			2.0	ADD GRADIANT FILM TO GLASS PANEL. SEE SPEC
1ST FLOOR	110B	CONFERENCE ROOM A	110A	CORRIDOR	2	3'-0"	7'-0"	FLNG	HM	PTD	HM	P	90 MIN		1.0	
1ST FLOOR	110C	CONFERENCE ROOM A	110A		1	3'-0"	7'-0"	ETR	ETR	PTD	ETR	P			8.0	PAINT EXISTING DOOR AND FRAME. ADD FROSTED FILM TO TRANSOM GLASS.
1ST FLOOR	110D	CONFERENCE ROOM B	110B		1	3'-0"	7'-0"	ETR	ETR	PTD	ETR	P			8.0	PAINT EXISTING DOOR AND FRAME. REPLACE SOLID TRANSOM PANEL WITH GLASS AND FROSTED FILM.
1ST FLOOR	110E	CONFERENCE ROOM B	110B	CONFERENCE ROOM A	1	3'-0"	8'-9"	FG	GL-1	GL-1	AL	FF			9.0	

**GLASS NOTES:**  
 GL-1 = 1/4" TEMPERED  
 GL-2 = LOW-E COATED, CLEAR INSULATING GLASS

**GENERAL NOTES**

- G.C. SHALL VERIFY SIZE OF REPLACEMENT DOORS & FRAMES IN THE EXISTING BUILDING BEFORE ORDERING.
- SEE SPEC. SECTION 08 71 00 FOR DOOR HARDWARE SETS, HARDWARE NOTES, COMPONENTS & OTHER INFORMATION.
- EXTERIOR DOOR SYSTEMS SHALL BE FULLY PERIMETER CAULKED TO ADJACENT FINISHED SURFACES, BOTH INTERIOR & EXTERIOR - TYP.
- FACE OF ADJACENT WALL TO EDGE OF DOOR FRAME IS 4" (TYPICAL) U.N.O. SEE DETAILS A & B ON A903

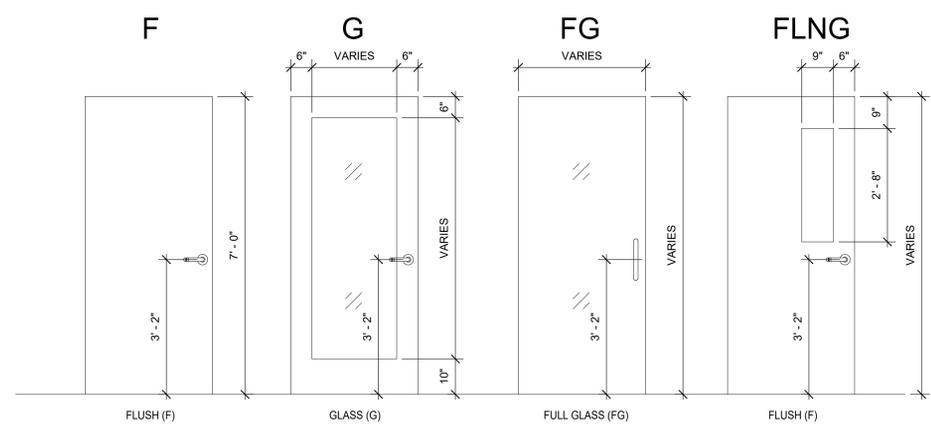
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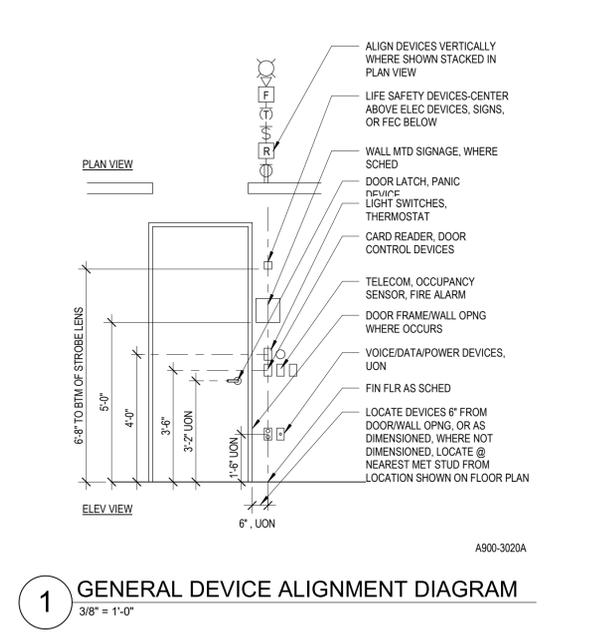
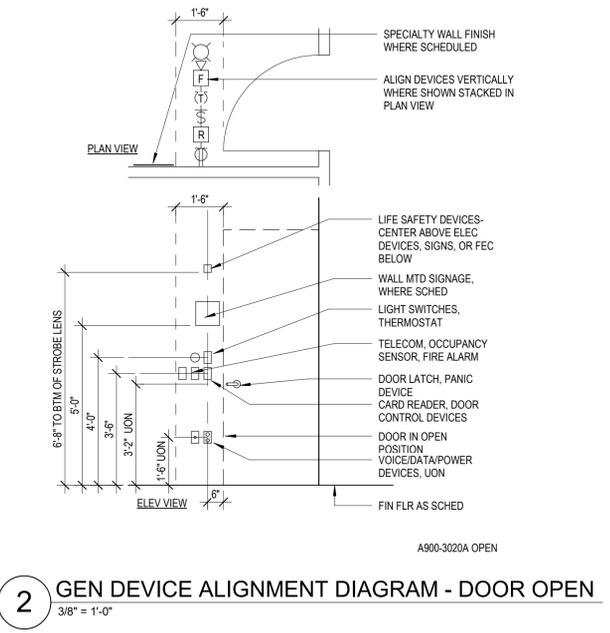
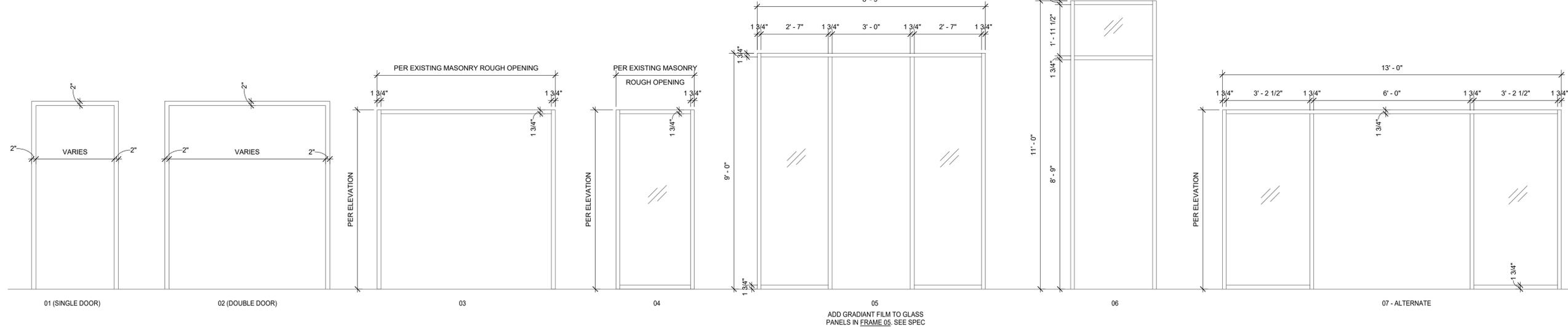
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**CONSTRUCTION DOCUMENTS**

**DOOR TYPES**



**FRAME TYPES**



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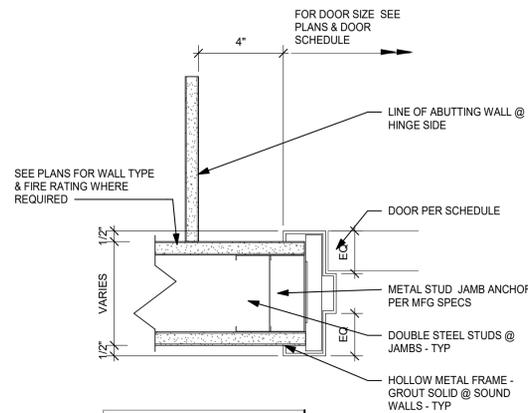
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Sheet Title  
**DOOR SCHEDULE, DOOR & FRAME TYPES**

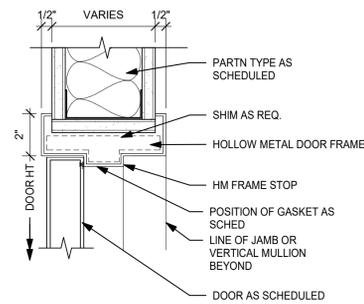
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Scale	AS NOTED	Drawn / Checked	Author Checker

Sheet Number  
**A911**



NOTE:  
ASSEMBLE AS PER  
UNDERWRITERS  
LABORATORY FIRE  
RESISTANCE RATING  
REQUIREMENTS. WHERE  
RATED WALLS ARE  
INDICATED.

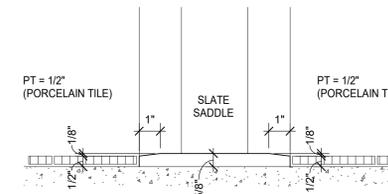
4 HM DOOR JAMB AT GYP BD WALL  
SCALE 3"= 1'-0"



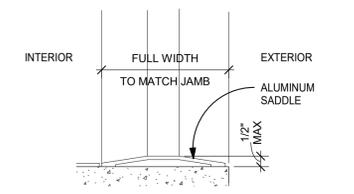
3 HM DOOR HEAD AT GYP BD WALL  
SCALE 3"= 1'-0"

SADDLE NOTES:

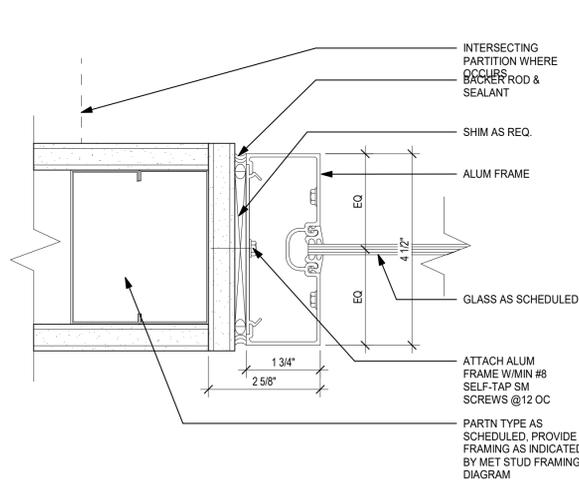
- COORDINATE DOOR UNDERCUT WITH SADDLE & OTHER UNDERCUTTING REQ. SEE DOOR SCHEDULE & SADDLE DETAILS ON THIS SHEET.
- SADDLES ARE TO BE FULL WIDTH OF DOOR FRAME
- SADDLES MAY BE OMITTED WHERE MATERIALS OF SIMILAR THICKNESS MEET WITH THE WRITTEN APPROVAL OF THE ARCHITECT. DOOR UNDERCUTS MUST BE COORDINATED.
- SLATE SADDLES, WHEN USED OR CALLED FOR SHALL BE SELECTED FROM FULL COLOR RANGE TO MATCH ADJACENT FLOORING.



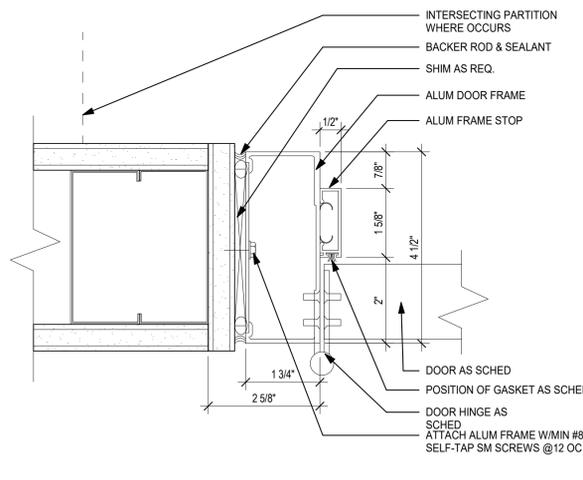
2 SADDLE DETAIL  
SCALE 3"= 1'-0"



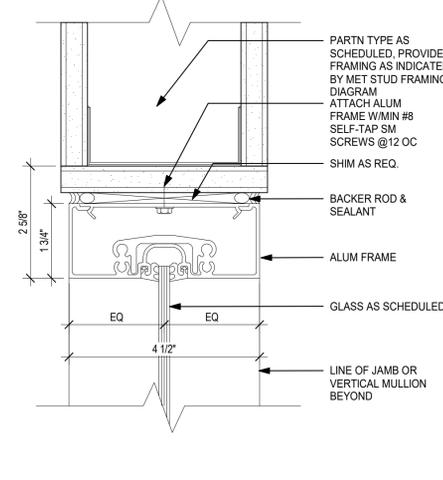
1 TYPICAL EXTERIOR SADDLE  
SCALE 3"= 1'-0"



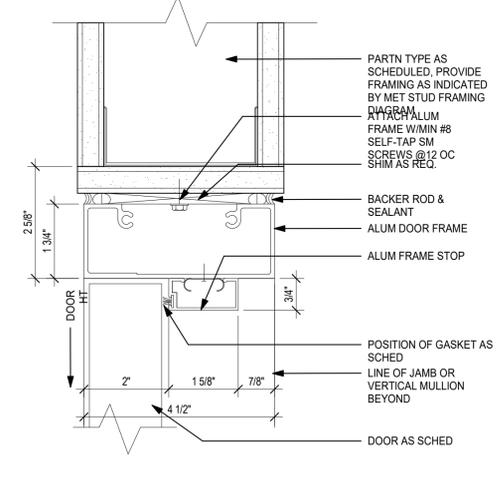
8 AL JAMB DETAIL  
6" = 1'-0"



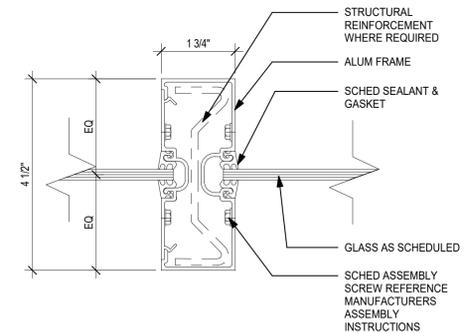
7 AL JAMB DETAIL @ DOOR  
6" = 1'-0"



6 AL HEAD DETAIL  
6" = 1'-0"



5 AL HEAD DETAIL @ DOOR  
6" = 1'-0"



9 MULLION DETAIL  
6" = 1'-0"

KEY PLAN

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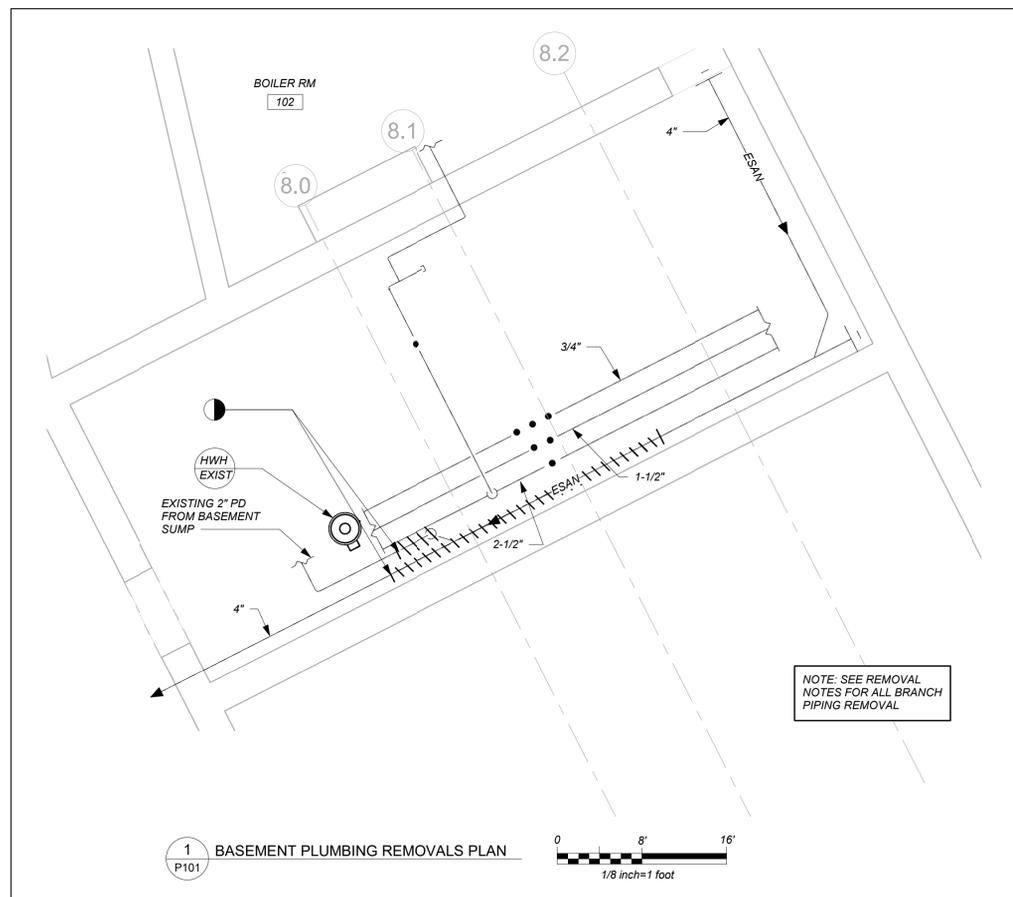
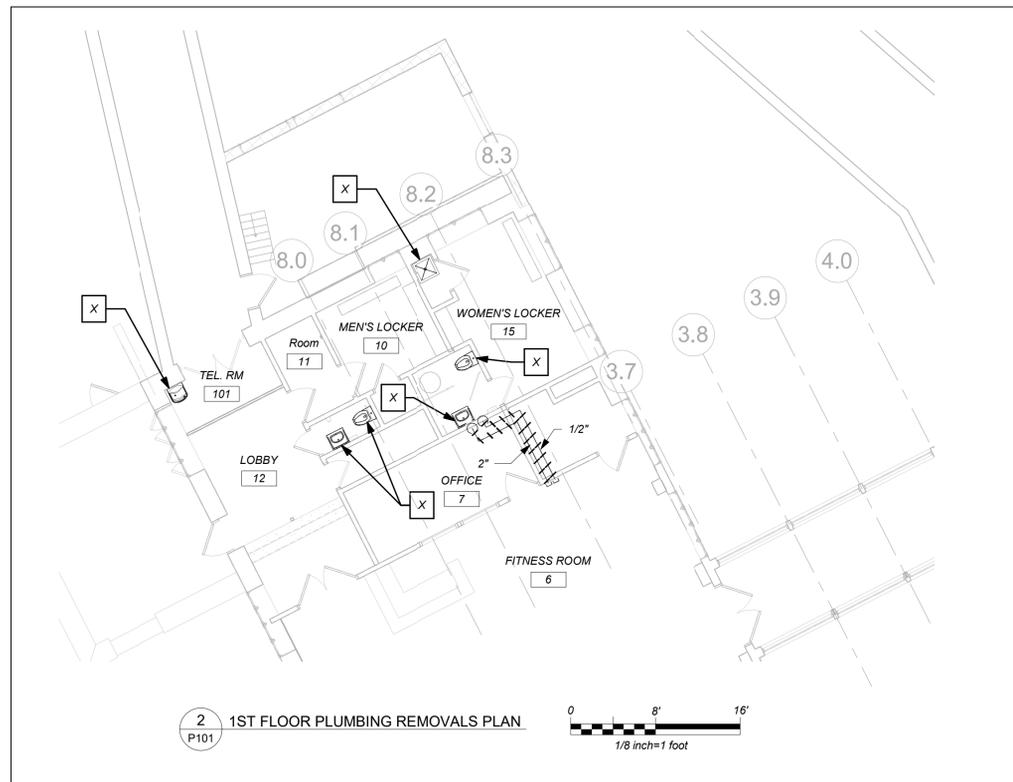
Sheet Title

TYPICAL DOOR  
DETAILS

Job No.	2021-1048	Date	09/10/2021
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Sheet Number

A912



### LEGEND

	NEW PIPING, FIXTURES, ETC.
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	PLUMBING VENT PIPING
	SANITARY PIPING
	EXISTING SANITARY PIPING
	EXISTING PUMP DISCHARGE PIPING
	FLOW DIRECTION WITHIN PIPE
	CLEANOUT
	SHUT-OFF VALVE
	COMBINATION BALANCING & SHUT-OFF VALVE
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
	PLUMBING FIXTURE IDENTIFICATION
	P.C.
	G.C.
	HVAC CONTRACTOR
	VTR
	FAI
	FD
	PRV
	HWH EXIST
	POINT OF CONNECTION
	PART PLAN, DETAIL, SECTION NUMBER
	SECTION IDENTIFICATION

### PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	BRANCH SIZE			
		W	V	T	C
A1	FLOOR MOUNTED WATER CLOSET (FLUSH VALVE) (HANDICAPPED)	4"	2"	-	1"
B1	SINGLE WALL MOUNTED LAVATORY (HANDICAPPED)	1-1/2"	1-1/2"	1/2"	1/2"
B2	SINGLE COUNTER MOUNTED LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"
C	MOP RECEPTOR	3"	3"	3/4"	3/4"
X	EXISTING FIXTURE TO BE REMOVED	-	-	-	-

### REMOVAL NOTES:

- THE SCOPE OF REMOVAL SHOWN IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED IN ORDER TO ACCOMMODATE NEW WORK.
- REMOVE ALL PLUMBING EQUIPMENT, SPECIALTIES, DRAINS, CONTROLS, HANGERS, BASES, SUPPORTS, PIPING, VALVES, TUBING AND PLUMBING ACCESSORIES THAT ARE NOT INCORPORATED IN THE NEW LAYOUT.
- WHERE REMOVAL IS INDICATED OR IMPLIED OR NOT INCORPORATED IN THE NEW LAYOUT, THE ITEM ITSELF IS TO BE REMOVED COMPLETELY TOGETHER WITH ALL CONNECTING PIPING, SPECIALTIES, SUPPORTS, CONTROLS, ETC. CONNECTING PIPING IS TO BE REMOVED BACK TO MAINS WHERE THEY ARE TO BE CAPPED OR DISCONNECTED. THIS INCLUDES ALL GAS, SANITARY, VENT, WATER, AND PUMP DISCHARGE PIPING. REFER TO DIVISION 1 OF SPECIFICATION FOR CUTTING AND PATCHING REQUIREMENTS.
- WHERE EXISTING PIPING ENTERS INACCESSIBLE TRENCHES, TUNNELS, SHAFTS, WALLS AND CEILINGS INSIDE THE EXISTING BUILDING, IT SHALL BE CUT BACK AT LEAST 2" INTO SUCH INACCESSIBLE SPACES AND SHALL BE SUITABLY CAPPED AND SEALED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL EXERCISE NORMAL CAUTION TO PREVENT UNNECESSARY CUTTING AND DAMAGE TO THE EXISTING BUILDING. ANY EXCESSIVE DAMAGE AS DETERMINED BY THE OWNER SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR CAUSING THE DAMAGE.
- ALL DEMOLISHED EQUIPMENT ETC. EXCEPT THOSE ITEMS SPECIFICALLY REQUESTED BY THE OWNER SHALL BECOME THE CONTRACTORS PROPERTY, SHALL BE REMOVED FROM THE PREMISES, AND DISPOSED OF LEGALLY.

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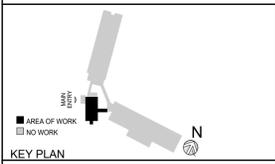
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**LEGEND, SCHEDULE, NOTES, & PART BASEMENT & 1ST FLOOR PLANS (REMOVALS)**

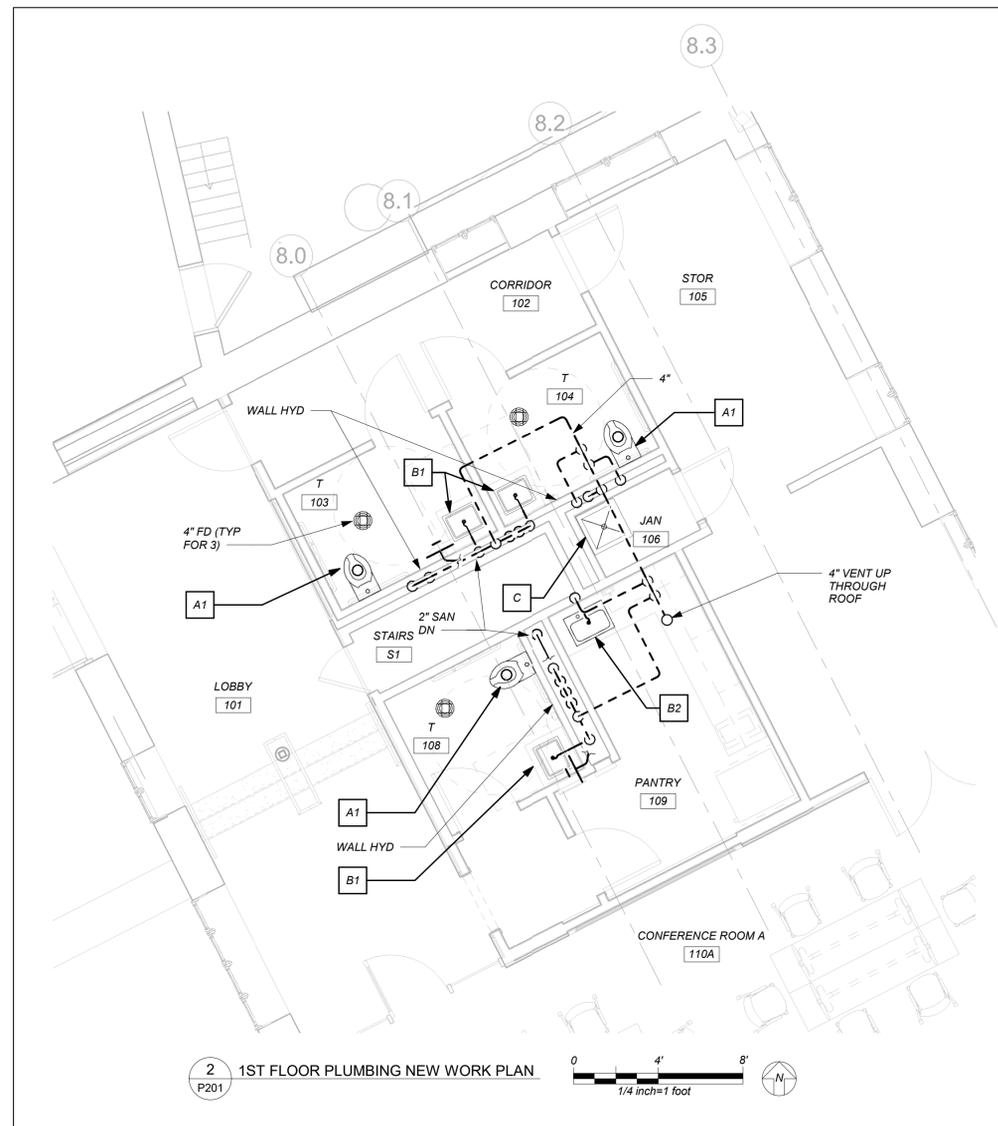
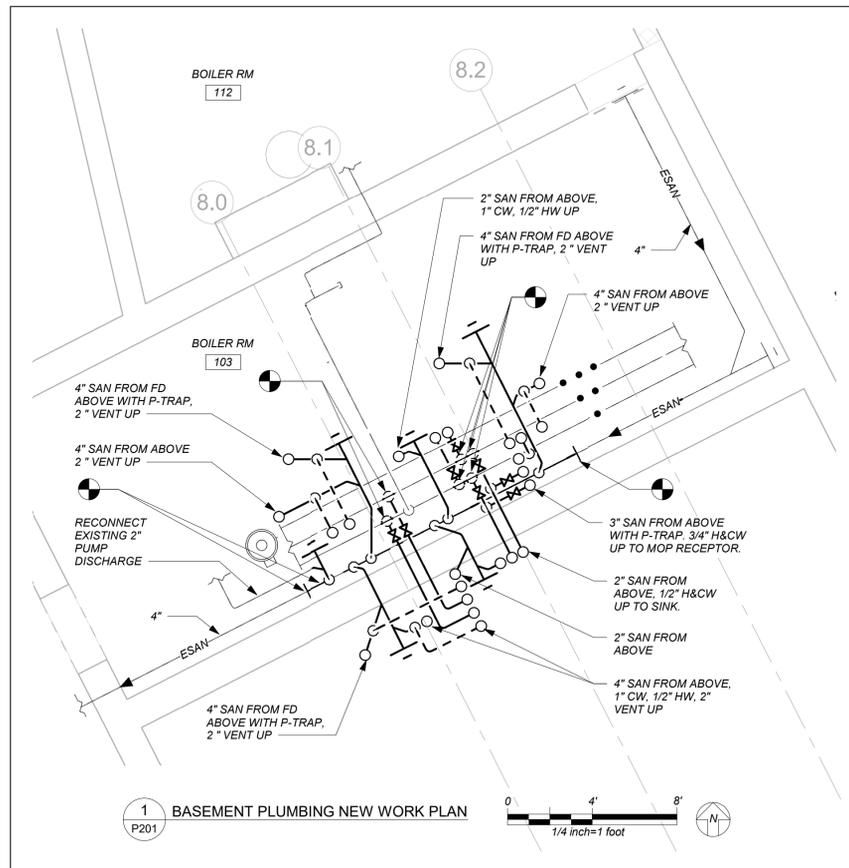
Job No. 2021-1048 Date 09/10/2021

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Sheet Number

**P101**

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS

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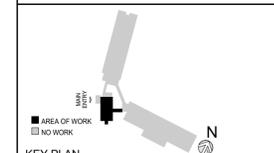


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**PART BASEMENT & 1ST FLOOR PLANS (NEW WORK)**

Job No.	2021-1048	Date	09/10/2021
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Sheet Number  
**P201**

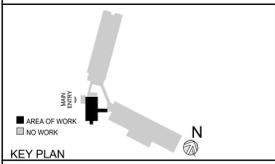
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2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS
No.	Date	Issue

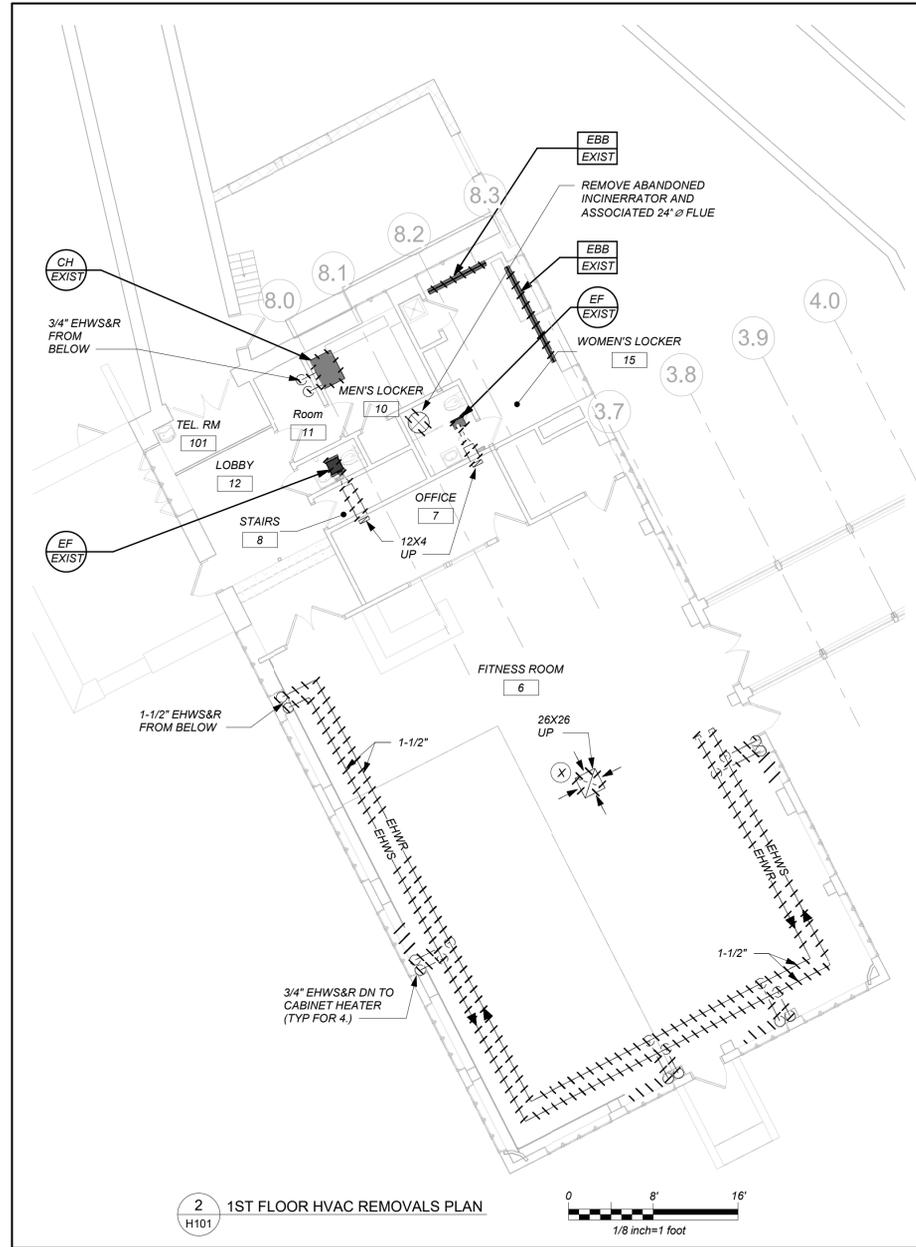
LEGEND, NOTES, & PART BASEMENT, 1ST, & 2ND FLOOR PLANS (REMOVALS)

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number

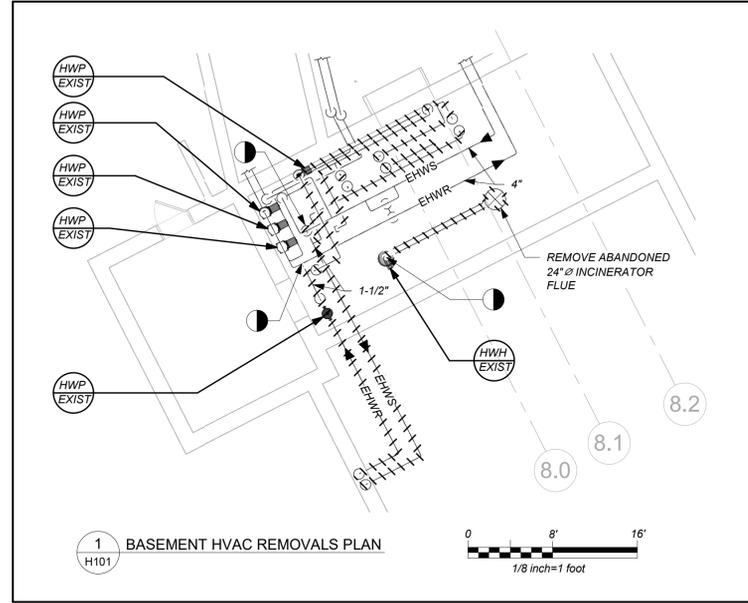
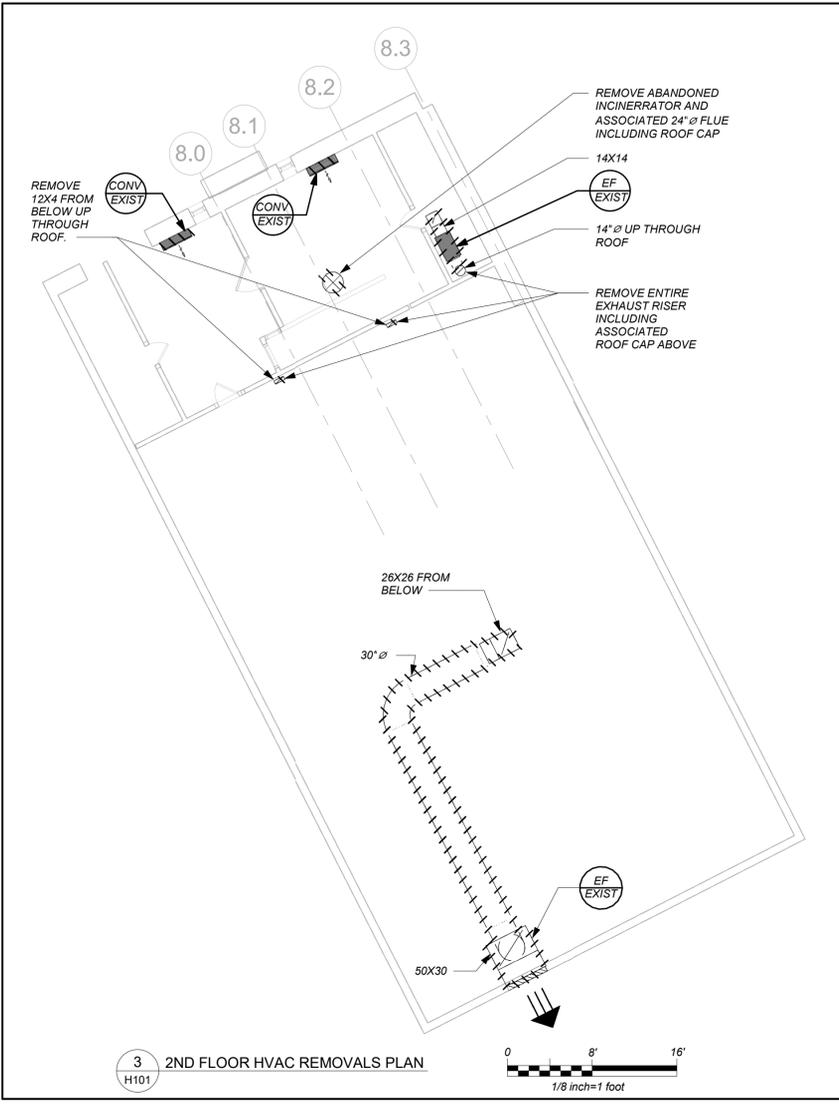
**H101**

LEGEND	
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED
	NEW DUCTWORK POINT OF CHANGE IN DUCT SIZE
	NEW DUCTWORK FLEXIBLE CONNECTION
	NEW DUCTWORK SQUARE DUCT TURN WITH TURNING VANES
	NEW 4-WAY CEILING DIFFUSER TYPE - SEE SCHEDULE
	CEILING EXHAUST/RETURN REGISTER CFM
	REGISTER/DIFFUSER IDENTIFICATION CFM
	DUCT DROP, DUCT RISE
	DUCT MTD. MANUAL AIR VOLUME DAMPER (W/LOCKING DEVICE)
	MOTORIZED AIR VOLUME DAMPER (W/ACCESS DOOR)
	FD & AD FIRE DAMPER (U.L. APPROVED) & ACCESS DOOR
	FSD & AD COMBINATION FIRE/SMOKE DAMPER (U.L. APPROVED) & ACCESS DOOR
	EHWR EXISTING HOT WATER SUPPLY PIPING
	EHWR EXISTING HOT WATER RETURN PIPING
	HWR HOT WATER SUPPLY PIPING
	HWR HOT WATER RETURN PIPING
	L LIQUID REFRIGERANT PIPING
	S SUCTION REFRIGERANT PIPING
	HG HOT GAS REFRIGERANT PIPING
	CD CONDENSATE DRAIN PIPING
	FLOW DIRECTION WITHIN PIPE CONNECTION TO EQUIPMENT ABOVE
	GATE VALVE (HORIZONTAL/VERTICAL)
	COMBINATION BALANCING & SHUT-OFF VALVE (CIRCUIT SETTER)
	2 - WAY CONTROL VALVE
	3 - WAY CONTROL VALVE
	CHECK VALVES
	PIPE CONNS. (BOTTOM, TOP 45 OR 90; PIPE UP)
	EF EXIST EXISTING EXHAUST FAN IDENTIFICATION
	B EXIST EXISTING BOILER IDENTIFICATION
	HWH EXIST EXISTING HOT WATER HEATER IDENTIFICATION
	CH EXIST EXISTING HOT WATER CABINET HEATER IDENTIFICATION
	CONV EXIST EXISTING CONVECTOR IDENTIFICATION
	HWP EXIST EXISTING HOT WATER PUMP IDENTIFICATION
	ERV EXIST ENERGY RECOVERY VENTILATOR IDENTIFICATION
	HP EXIST AIR SOURCE HEAT PUMP UNIT IDENTIFICATION
	FC EXIST FAN COIL UNIT IDENTIFICATION
	CH EXIST HOT WATER CABINET HEATER IDENTIFICATION
	UH EXIST HOT WATER UNIT HEATER IDENTIFICATION
	HWP EXIST HOT WATER PUMP IDENTIFICATION
	TYPE NEW FIN TUBE RADIATION IDENTIFICATION ELEMENT LENGTH
	EBB EXIST EXISTING ELECTRIC BASEBOARD IDENTIFICATION
	Tc TO CONTROLLED ITEM WALL MTD. (5'-2" A.F.F.-U.O.N.) TEMPERATURE SENSOR
	CO2 TO CONTROLLED ITEM WALL MTD. (5'-2" A.F.F.-U.O.N.) CARBON DIOXIDE SENSOR
	-U- DOOR UNDERCUT
	SMRE POWDER COATED SHEET METAL RISER ENCLOSURE
	ATC AUTOMATIC TEMPERATURE CONTROLS
	CD CEILING DIFFUSER
	CR CEILING REGISTER
	TR TOP WALL REGISTER
	CFM CUBIC FEET PER MINUTE
	OAI/FAI OUTSIDE (FRESH) AIR INTAKE
	CO CLEAN OUT
	HVAC HEATING, VENTILATING, AIR CONDITIONING CONTRACTOR
	GC GENERAL TRADES CONTRACTOR
	FC FLEXIBLE CONNECTION
	FSC FULL SIZE CONNECTION
	AD ACCESS DOOR
	WMG 1/2" SQ. WIRE MESH GRILLE
	FD FIRE DAMPER
	VIF VERIFY IN FIELD
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER
	DRAWING NUMBER
	SECTION/ELEVATION IDENTIFICATION

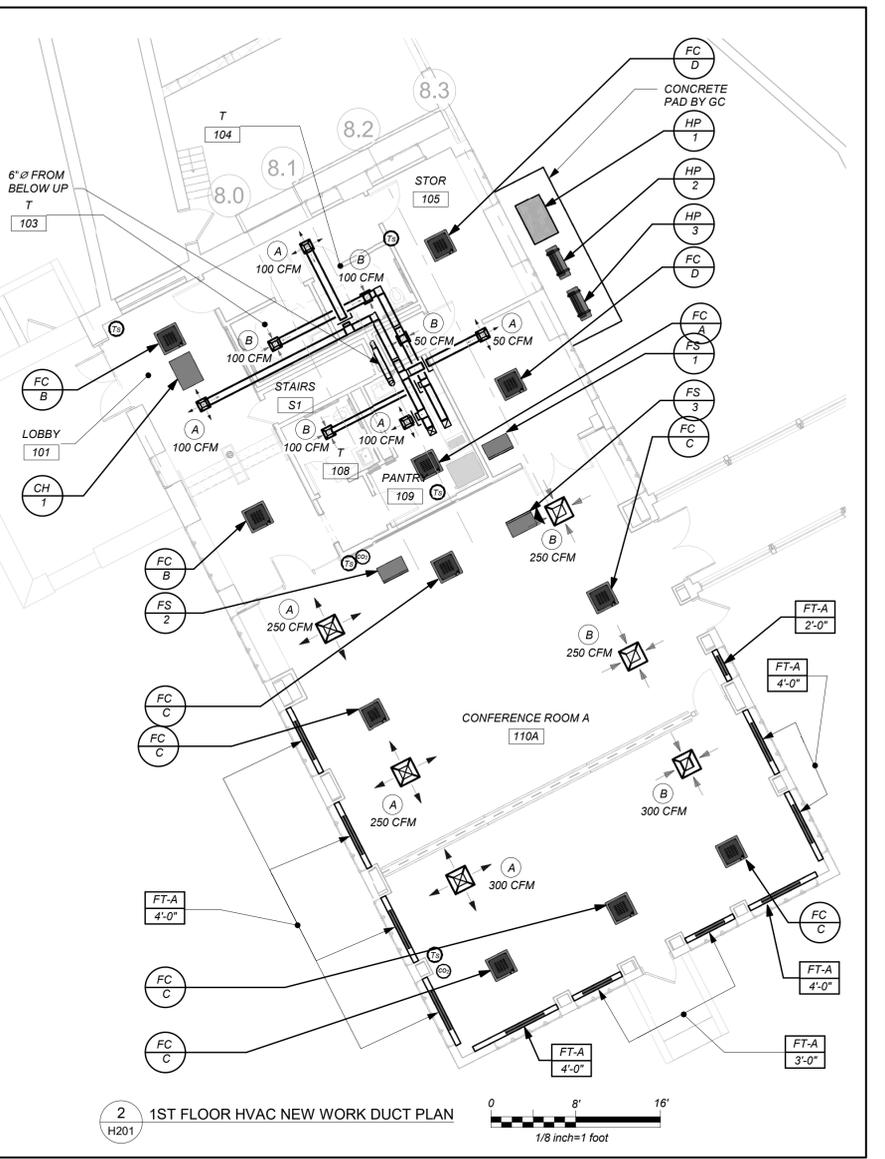
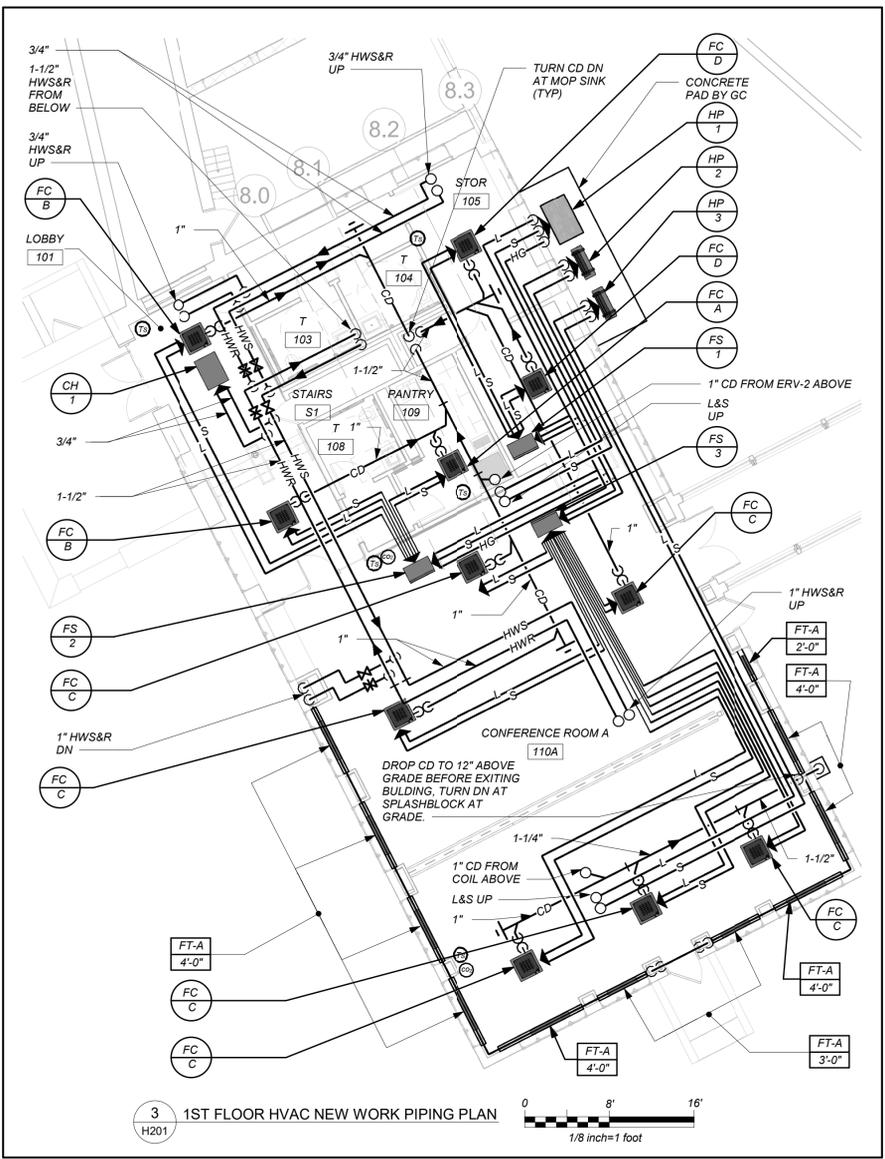
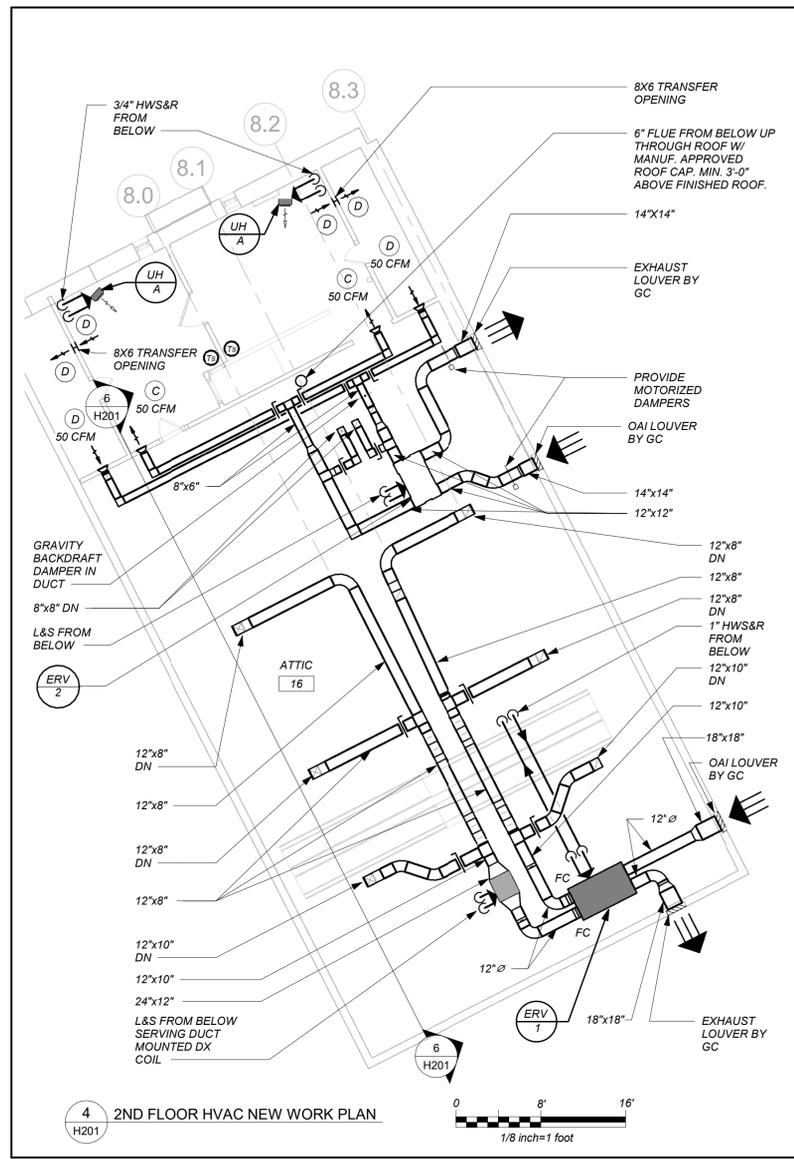


**REMOVAL NOTES:**

1. THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
2. DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT. UNTIL SUCH REMOVAL IS COMPLETE, THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
3. EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS. FLOORS. NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
4. ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

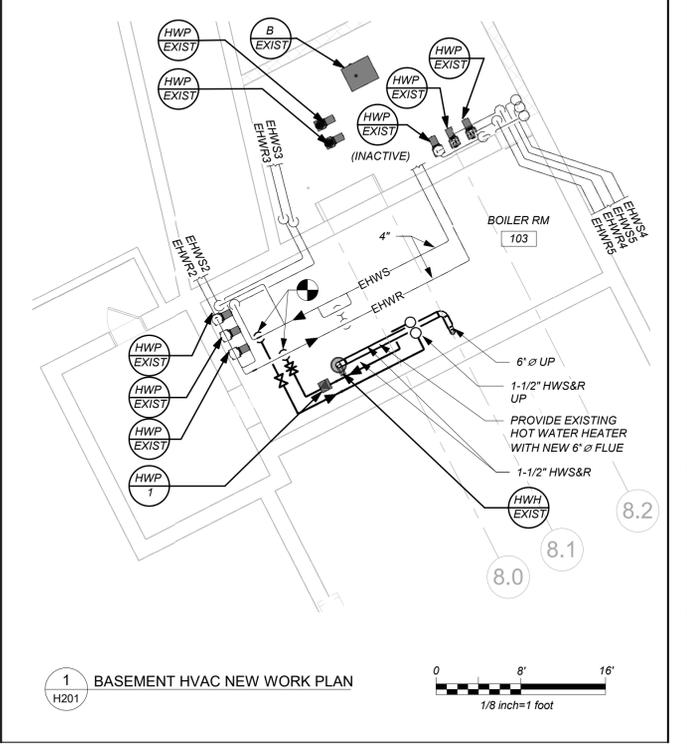
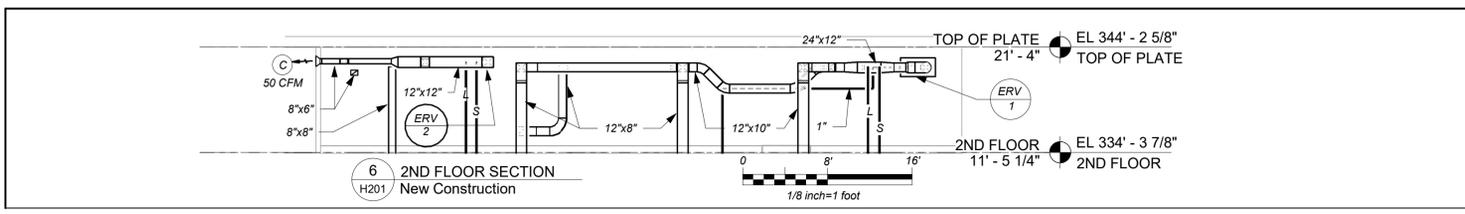
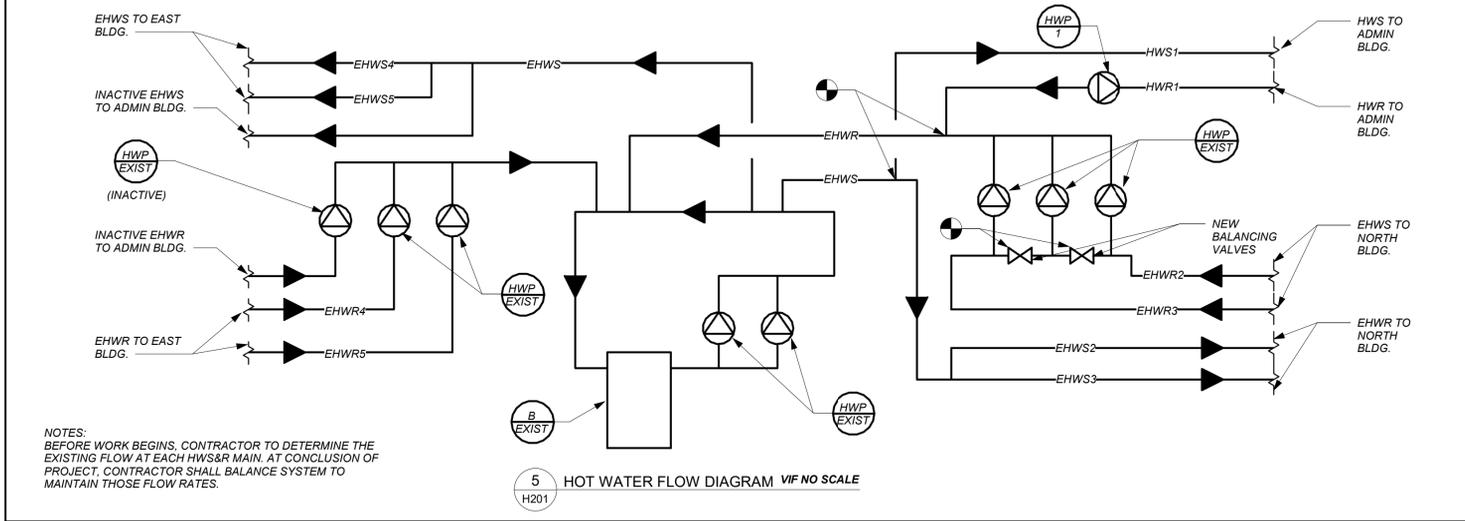


BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS



**VRF SYSTEMS:**  
THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE MANUFACTURER'S REPRESENTATIVE FOR PURPOSES OF PROVIDING REFRIGERANT PIPING SIZING. CONTRACTOR SHALL PROVIDE PIPING FROM RESPECTIVE OUTDOOR UNIT TO EACH NEW INDOOR UNIT, FOR COMPLETE AND OPERABLE SYSTEMS.

**CONDENSATE PIPING:**  
PROVIDE CONDENSATE PIPING FOR ALL INDOOR FAN COIL EVAPORATOR UNITS AND AIR HANDLER CONDENSATE PANS.



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS

**PROFESSIONAL DEVELOPMENT CENTER**

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**lago**

**BARILE GALLAGHER & ASSOCIATES**  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLEASANTVILLE, NY 10570  
PH:914.268.6600 FAX:914.268.9304 General@BGA-Eng.com

NY SED PROJECT CONTROL NO.  
66-23-00-01-0-008-011

**CONSTRUCTION DOCUMENTS**

**KEY PLAN**

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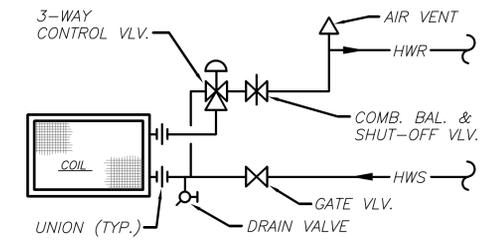
Sheet Title  
**PART BASEMENT, 1ST, & 2ND FLOOR PLANS (NEW WORK)**

Job No. 2021-1048 Date 09/10/2021  
Scale AS NOTED Drawn / Checked BGA / BGA  
Sheet Number  
**H201**

## SCHEDULE OF ENERGY RECOVERY VENTILATORS

GENERAL DATA				SUPPLY FAN DATA		EXHAUST FAN DATA		ELECTRICAL DATA		HEAT EXCHANGER		HOT WATER COIL ③					DX COIL ④				FILTER DATA		PHYSICAL DATA				REMARKS			
MARK	SERVICE	LOCATION	MODEL No.	OUTSIDE AIR CFM	EXT. S.P. IN WG	CFM	EXT. S.P. IN WG	MCA	MOP	ELECTRICAL SERVICE	TYPE	EFFIC.	CAP. MBH	EAT (°F)	LAT (°F)	COIL FACE VELOCITY FPM	ROWS	GPM	TOTAL CLG. CAP. BTU/HR	TOTAL HTG. CAP. BTU/HR	ENT. AIR TEMP. CLG. / HTG.	LVG. AIR TEMP. CLG. / HTG.	QTY.	SIZE (IN.)	CLASS	L (in.)		W (in.)	H (in.)	WEIGHT (LBS)
ERV 1	CONFERENCE ROOM 110	ATTIC 16	FR800HW-208-3-CAV	800	1.25	800	1.25	5.2	15	208/3/60	WHEEL	75	53	10	70	475	1	5	24,000	27,000	90/40	75/70	2	17X13X17	OA MERV 13 RET. MERV 9	63	22	40	425	REFER TO ②⑤
ERV 2	LOBBY, STORAGE, TOILET ROOMS	ATTIC 16	U-ERV-600	450	1.0	450	1.0	8.3	15	208/1/60	CORE	69	N/A	N/A	N/A	N/A	N/A	24,000	27,000	90/10	75/70	4	6X21X2	MERV 13	69	57	12	140	REFER TO ②⑥	

- NOTES**
- AS MANUFACTURED BY "TOPVEX."
  - AS MANUFACTURED BY "ENERGYWALL."
  - INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
  - INTEGRAL HOT WATER COIL. PROVIDE FREEZE STAT.  
E.W.T.=180° F. L.W.T.=160° F.
  - BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.
  - FLOOR MOUNTED UNIT WITH INTEGRAL HIGH CAPACITY HOT WATER COIL AND DUCT MOUNTED DX COIL. PROVIDE VIBRATION ISOLATORS EXHAUST/DEFROST CONTROLS, DEMAND CONTROL VENTILATION, LOW TEMPERATURE LIMIT CONTROLS, DIFFERENTIAL ENTHALPY ECONOMIZER CONTROLS, MOTORIZED OA AND EA DAMPERS, DIRTY FILTER CONTACTS, PHASE PROTECTION AND DISCONNECT SWITCH. TIE INTO BMS.
  - FLOOR MOUNTED UNIT WITH INTEGRAL DX COIL. PROVIDE VIBRATION ISOLATORS EXHAUST/DEFROST CONTROLS, LOW TEMPERATURE LIMIT CONTROLS, DIFFERENTIAL ENTHALPY ECONOMIZER CONTROLS, DIRTY FILTER CONTACTS, MOTORIZED OA AND EA DAMPERS, AND DISCONNECT SWITCH. TIE INTO BMS.



### SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

ROOM NAME/NUMBER	OCCUPANCY CATEGORY	A	B	C	D	E	F	G	H	I	MINIMUM EXHAUST AIR FLOW RATE A+E+CFM
		ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#/1000 SQ.FT.)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A+B)+1000#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F+C)+(A+D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	
Lobby/ 101	MAIN ENTRY LOBBIES	300	10	5	0.06	0	3	33	0.8	41	0
Corridor/ 102	CORRIDORS	70	0	0	0.06	0	0	4	0.8	5	0
Stor/ 105	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	310	2	5	0.06	0	1	24	0.8	30	0
Pantry/ 109	KITCHENETTES	100	20	7.5	0.12	0.3	2	27	0.8	34	30
Conf/ 110	CONFERENCE/MEETING	1795	50	5	0.06	0	90	558	0.8	697	0
Second Floor Storage	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	300	2	5	0.06	0	1	23	0.8	29	0
Second Floor Storage	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	300	2	5	0.06	0	1	23	0.8	29	0

### SCHEDULE OF AIR SOURCE HEAT PUMP UNITS

MARK	LOCATION	MODEL No. ①	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	EER	COMPRESS. DATA		ELECTRICAL DATA		PHYSICAL DATA		REMARKS
						TYPE	QTY.	MCA	MOP	ELECTRICAL SERVICE	DIMENSION/WEIGHT (L"xW"xH")/(LBS)	
HP 1	ON GRADE	ARUN16BBTE5	168	189	11.7	DC SCROLL	2	54	70	208/3/60	49X30X67/666	REFER TO ②③④⑤
HP 2	ON GRADE	ARUN024GSS4	24	27	12.2	DC INVERTER	1	20	30	208/1/60	38X16X33/176	REFER TO ②③④⑥
HP 3	ON GRADE	ARUN024GSS4	24	27	12.2	DC INVERTER	1	20	30	208/1/60	38X16X33/176	REFER TO ②③④⑥

**NOTES**

- AS MANUFACTURED BY "LG."
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- REFRIGERANT USED SHALL BE R-410a.
- DESIGN AIR CONDITIONS: SUMMER: OA (95°F); WINTER: OA (47°F/43°F)
- MOUNT ON PRECAST CONCRETE PAD BY GC. THREE PIPE SYSTEM. PROVIDE STAND, NEOPRENE VIBRATION ISOLATION PADS, EQUIPMENT SUPPORTS, DISCONNECT SWITCH, CONVENIENCE OUTLET, LOW AMBIENT CONTROLS AND PHASE PROTECTION. COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.
- MOUNT ON PRECAST CONCRETE PAD BY GC. TWO PIPE SYSTEM. PROVIDE STAND, NEOPRENE VIBRATION ISOLATION PADS, EQUIPMENT SUPPORTS, CONVENIENCE OUTLET, LOW AMBIENT CONTROLS, EEV AND AHU COMMUNICATION KIT, AND DISCONNECT SWITCH. COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.

### SCHEDULE OF REGISTERS AND DIFFUSERS

MARK	TYPE	SERVICE	MODEL No. ①	NOMINAL FACE SIZE	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	REMARKS
A	CEILING DIFFUSER	SUPPLY	SCD	12X12/24X24	FOUR-WAY	OPPOSED BLADE	PER ARCH.	REFER TO ②③④⑤
B	CEILING REGISTER	RETURN/EXHAUST	635	8X4/24X24	-	OPPOSED BLADE	PER ARCH.	REFER TO ②③④⑥
C	SIDE WALL REGISTER	SUPPLY	620	8X4	DOUBLE DEFLECTION	OPPOSED BLADE	PER ARCH.	REFER TO ②③④⑤
D	SIDE WALL REGISTER	RETURN/EXHAUST	635	8X4	-	OPPOSED BLADE	PER ARCH.	REFER TO ②③④⑥

**NOTES**

- AS MANUFACTURED BY "PRICE".
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE CABLE OPERATED DAMPERS IN UN-ACCESSIBLE AREAS.
- PROVIDE MOUNTING FRAME COMPATIBLE W/ MOUNTING SURFACE. COORDINATE ALL BORDER TYPES, COLORS, FINISHES AND DIMENSIONS WITH ARCHITECT.

⑤ SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 700 fpm)				⑥ RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)			
50 TO 135	100 TO 245	246 TO 380	381 TO 550	50 TO 149	150 TO 249	250 TO 399	400 TO 1100
6"	8"	10"	12"	14"	15"	6x6	8x8

### SCHEDULE OF UNIT HEATERS

MARK	MODEL No. ①	CAPACITY DATA			MOTOR WATTS	ELECTRIC SERVICE	PHYSICAL DATA		REMARKS
		BTU/HR	EWT °F	LWT °F			GPM	LxWxH	
UH 1	HS-36	20,100	180	160	3	25	120/1/60	15"x10"x18"	40 REFER TO ②③

**NOTES**

- AS MANUFACTURED BY "STERLING".
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE UNIT MOUNTED MANUAL VARIABLE SPEED CONTROLLER, REMOTE WALL SENSOR, DISCONNECT SWITCH, AND MOUNTING HARDWARE.

### SCHEDULE OF PUMPS

MARK	SERVICE	LOCATION	MODEL No. ①	GPM	HEAD FT.H <sub>2</sub> O	RPM	MOTOR HP	ELECTRIC SERVICE	REMARKS
PH 1	CONFERENCE BLDG	BOILER ROOM	SERIES E-90 14AB	17	25	1800	1/2	208/1/60	REFER TO ②③⑤

**NOTES**

- AS MANUFACTURED BY "BELL & GOSSETT".
- INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ECM PERMANENT MAGNET VARIABLE SPEED MOTOR WITH MOUNTED USER INTERFACE, DISCONNECT SWITCH, AND STEEL BRAIDED FLEXIBLE CONNECTIONS
- PUMP DIMENSIONS 8" W x 12" L x 16" H / WEIGHT 55 LBS

### SCHEDULE OF VRF INDOOR UNITS

MARK	MODEL No. ①	SUPPLY FAN DATA			TOTAL COOL/HEAT MBH	DIMENSION/WEIGHT			REMARKS		
		CFM HIGH	MCA	MOCP		W (IN.)	D (IN.)	H (IN.)		LBS	
IR 4	ARNU053TRD4	265	0.25	15	208/1/60	5.6/6.1	25	25	10	45	REFER TO ②③④⑤
IR 5	ARNU093TRD4	388				9.6/10.9	25	25	10	49	
IR 6	ARNU153TQD4	396				15.4/17.1	25	25	12	51	
IR 7	ARNU183TQD4	812				19.1/21.5	25	25	12	51	
IR 8	PRHR023A	N/A	0.17			N/A	20	19	9	46	REFER TO ②③⑥
IR 9	PRHR033A		0.17				20	19	9	50	
IR 10	PRHR063A		0.27				32	19	9	75	

**NOTES**

- AS MANUFACTURED BY "LG."
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.
- PROVIDE FACTORY MOUNTED INTEGRAL CONDENSATE PUMP, CHECK VALVE, ANTI SWEAT SLEEVE, BALL VALVES, AND AUTO SHUTDOWN OVERFLOW SWITCH.
- PROVIDE MOUNTING HARDWARE, VIBRATION ISOLATORS, DISCONNECT AND HARDWIRED REMOTE WALL MOUNTED CONTROLLER/THERMOSTAT. WHERE MULTIPLE UNITS TIE INTO ONE ZONE CONTROLLER PROVIDE WIRED REMOTE GROUP CONTROL CABLE ASSEMBLY PZCWR1 AS REQUIRED. TIE INTO BMS.
- PROVIDE MOUNTING HARDWARE. MOUNT HORIZONTALLY.

### SCHEDULE OF CABINET HEATERS

MARK	TYPE UNIT	MODEL No. ①	CAPACITY DATA			MOTOR HP	MOTOR RPM	ELECTRIC SERVICE	REMARKS
			MBH	CFM	GPM				
CH 1	CEILING MTD.	RC 1170 03	20.6	335	2.0	0.25	1/15	1050	120/1/60 REFER TO ②③④⑥

**NOTES**

- AS MANUFACTURED BY "STERLING".
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- CAPACITIES BASED ON LOW SPEED FAN SETTING, AND 160' F A.W.T.
- PROVIDE 2 ROW COIL, THROWAWAY FILTERS, INTEGRAL SPEED CONTROL, DISCONNECT SWITCH, REMOTE WALL SENSOR, GASKET AND PERMA LAP FRAME. COORDINATE FINISH AND COLOR WITH ARCHITECT.
- UNIT DIMENSIONS 36"x25"x9.5", WEIGHT 150 LBS.
- PROVIDE WITH HOT WATER RETURN AQUASTAT. AQUASTAT SHALL NOT ALLOW FAN TO OPERATE AT WATER TEMPERATURE BELOW 110 DEGREES F.

## PROFESSIONAL DEVELOPMENT CENTER

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NYACK, NY 10960



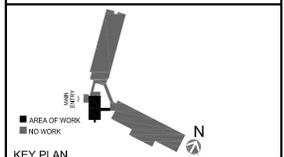
BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS  
39 MARBLE AVE. PLEASANTVILLE, NY 10570  
914.328.6600 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

NY SED PROJECT CONTROL NO.

68-23-00-01-0-008-011

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No.	Date	Issue
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS

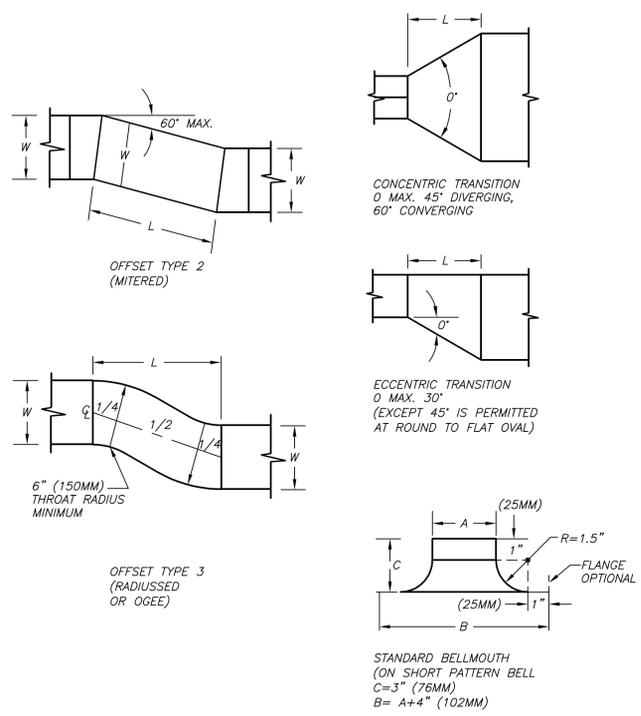
## SCHEDULES

Job No.	Date
2021-1048	09/10/2021

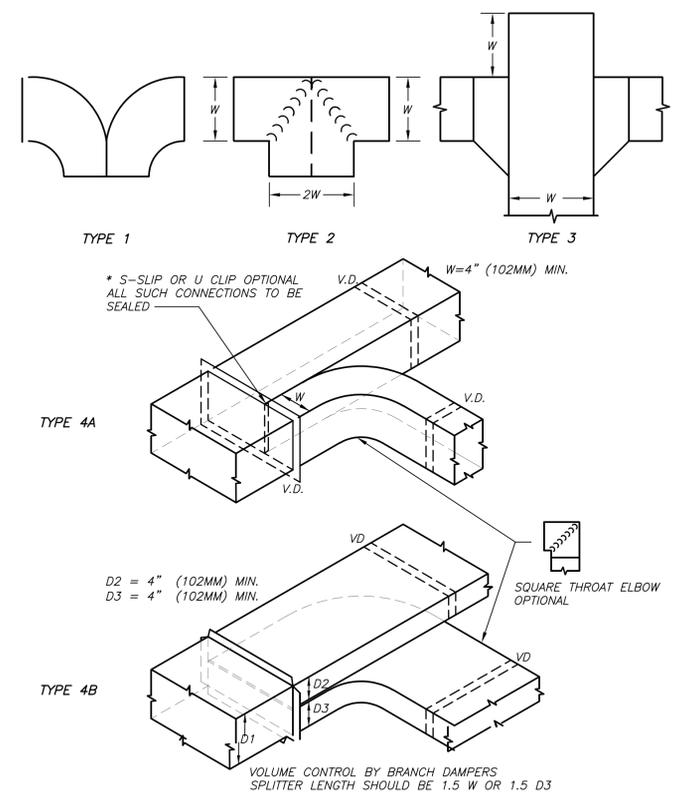
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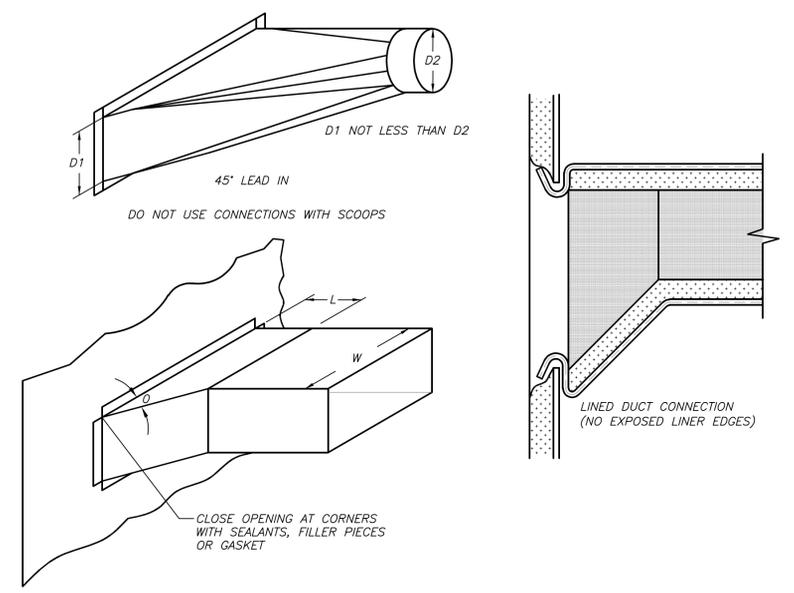
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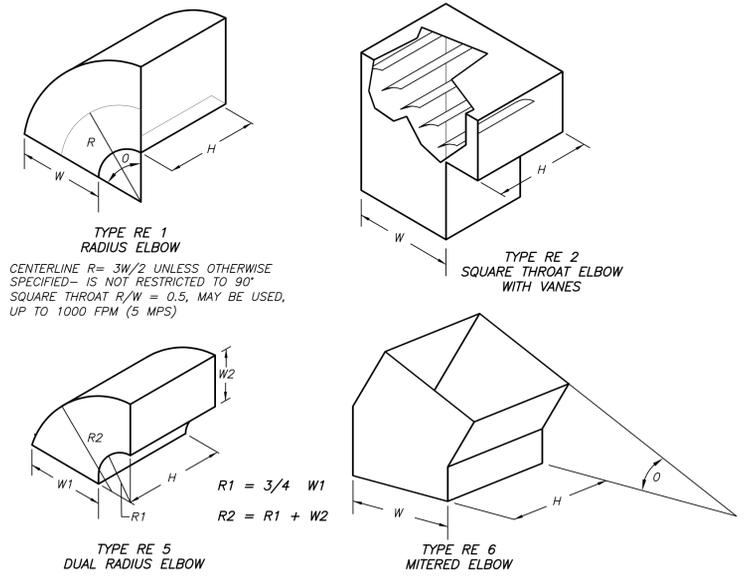
**DUCT OFFSETS AND TRANSITIONS DETAIL** (7) H401 NO SCALE



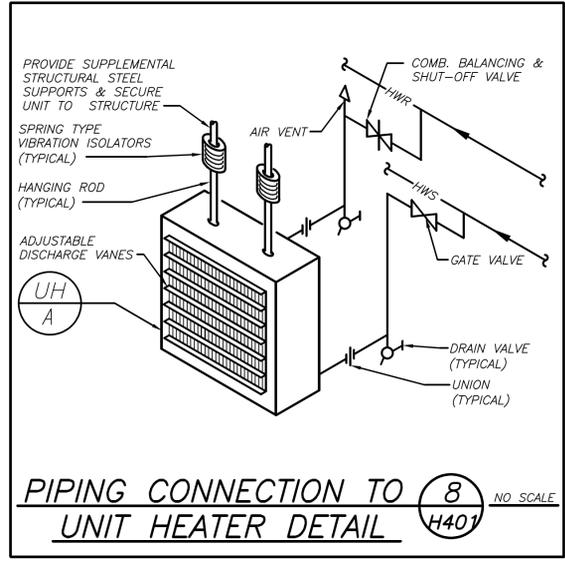
**DUCT DIVIDED FLOW BRANCHES DETAIL** (4) H401 NO SCALE



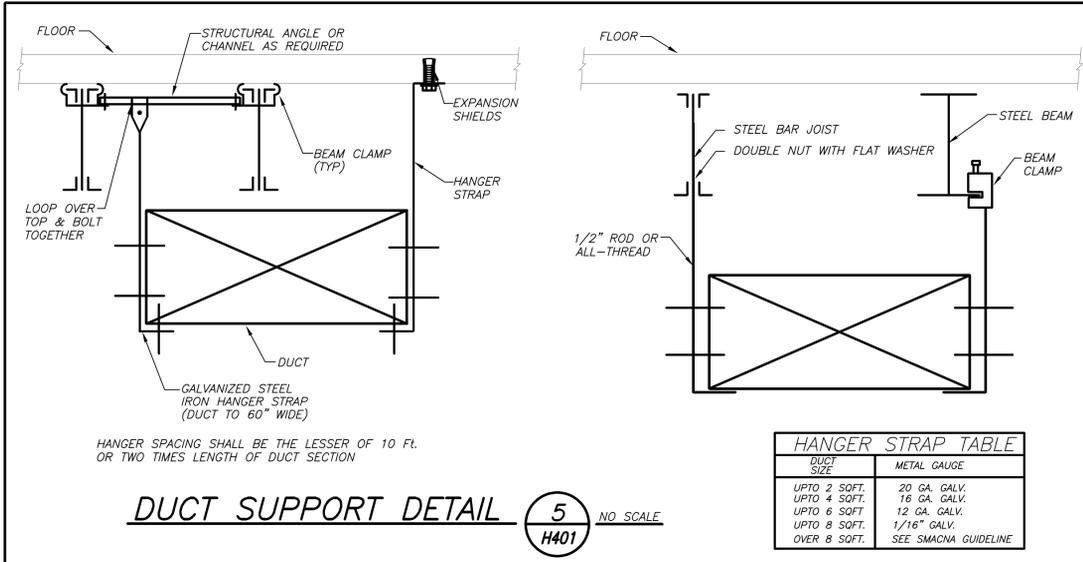
**DUCT BRANCH CONNECTIONS DETAIL** (1) H401 NO SCALE



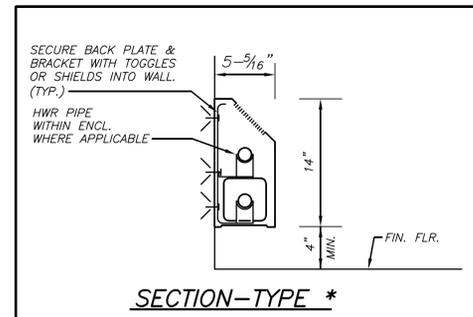
**DUCT RECTANGULAR ELBOWS DETAIL** (2) H401 NO SCALE



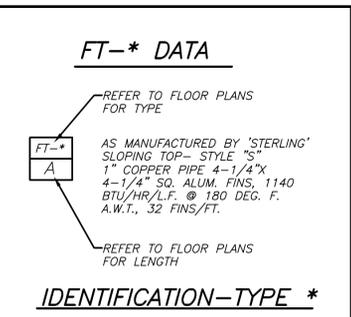
**PIPING CONNECTION TO UNIT HEATER DETAIL** (8) H401 NO SCALE



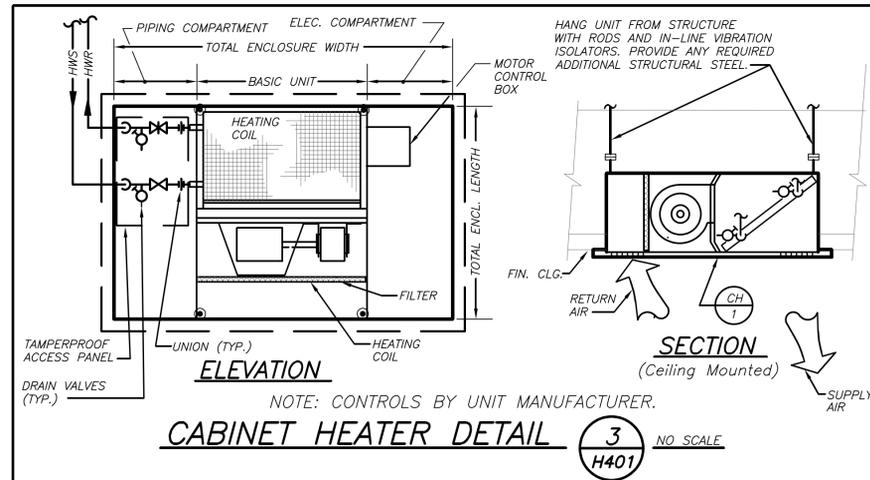
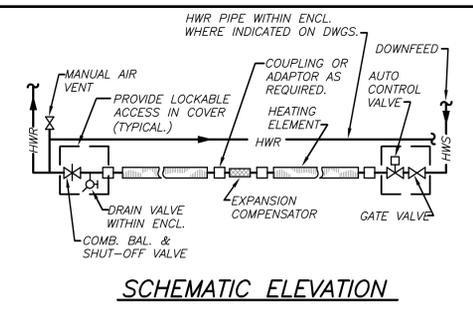
**DUCT SUPPORT DETAIL** (5) H401 NO SCALE



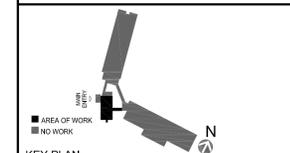
**SECTION-TYPE \***



**FIN TUBE RADIATION DETAIL (HOT WATER)** (6) H401 NO SCALE



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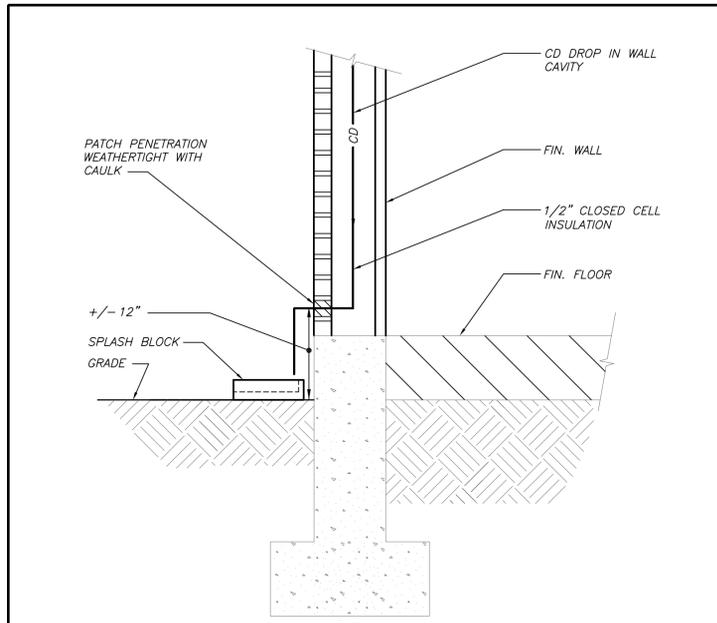
DETAILS

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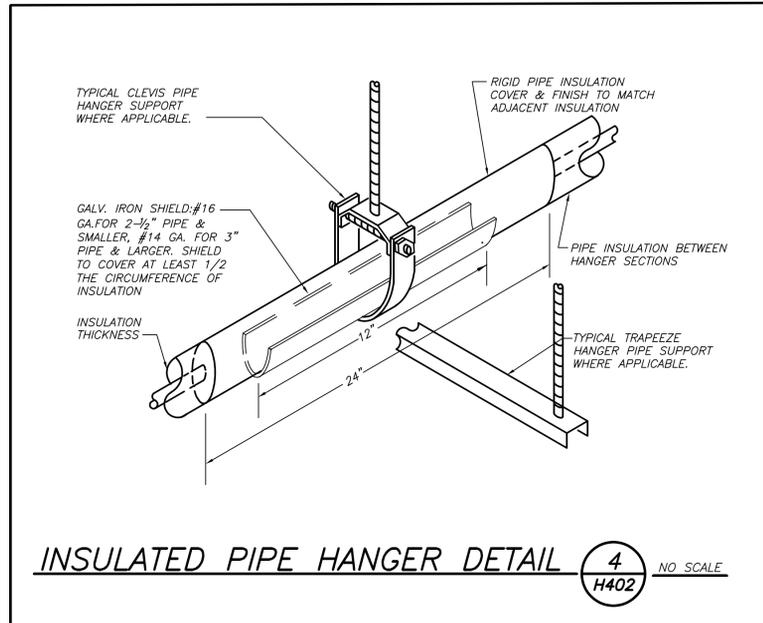
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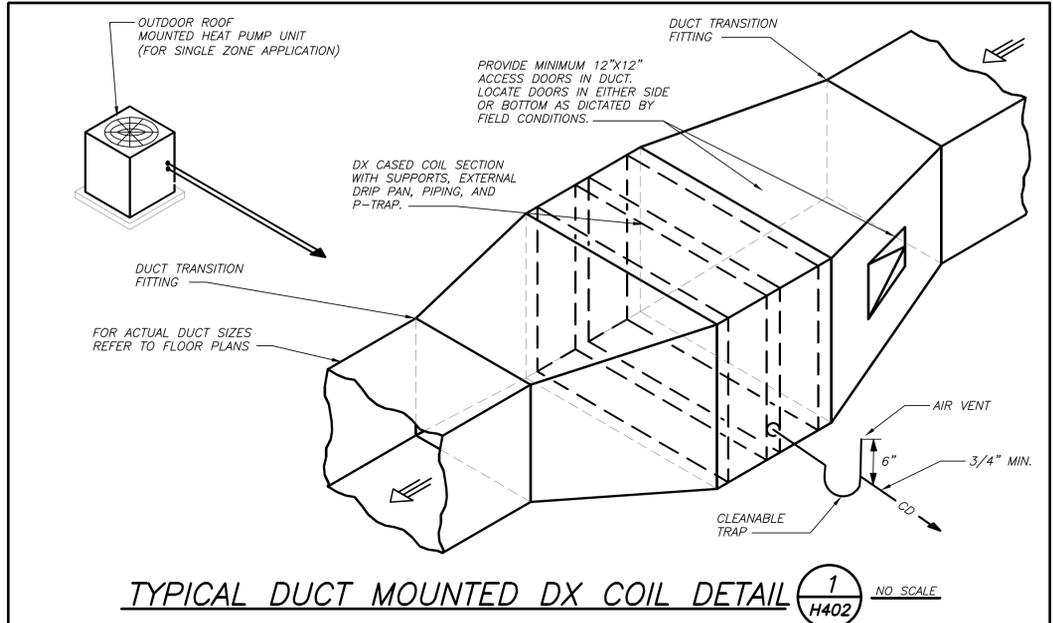
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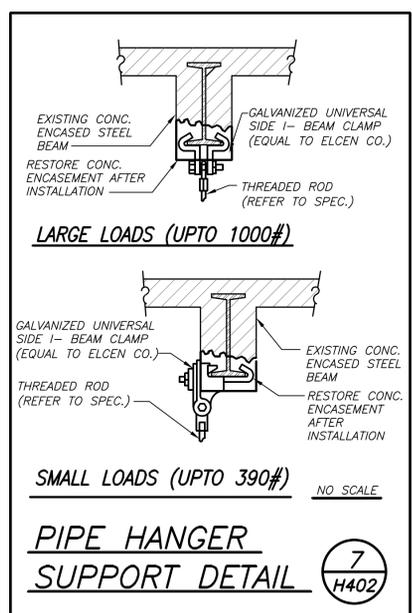
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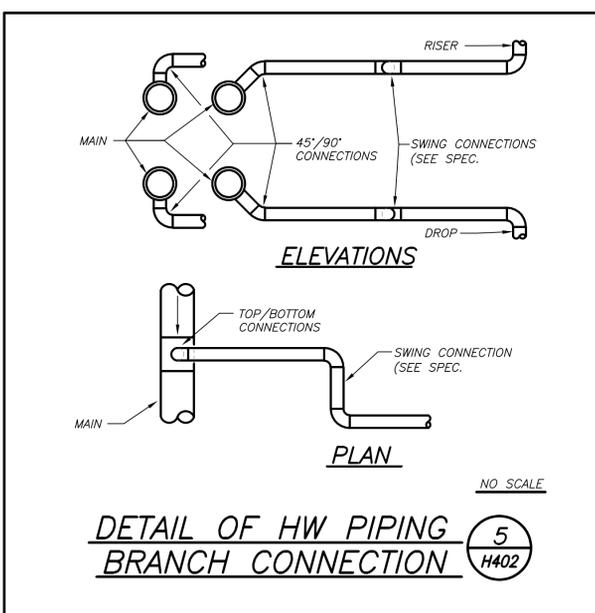
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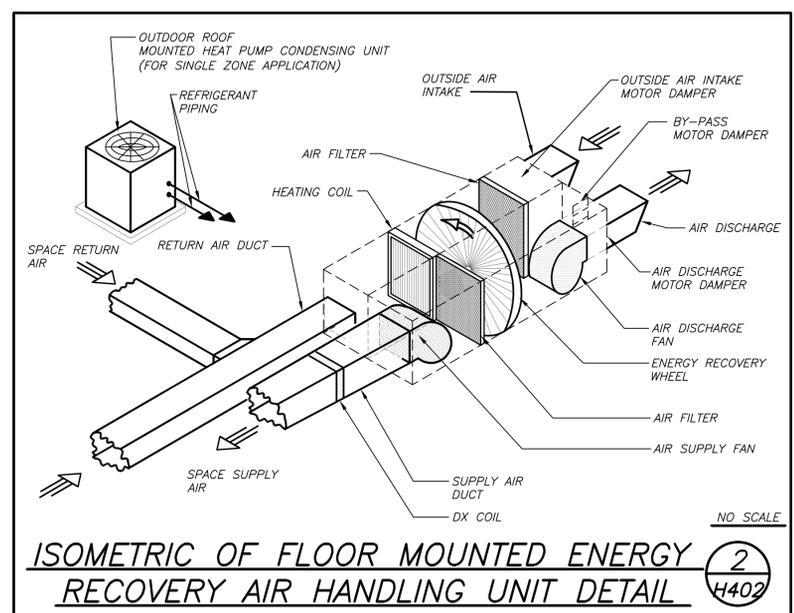
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H402



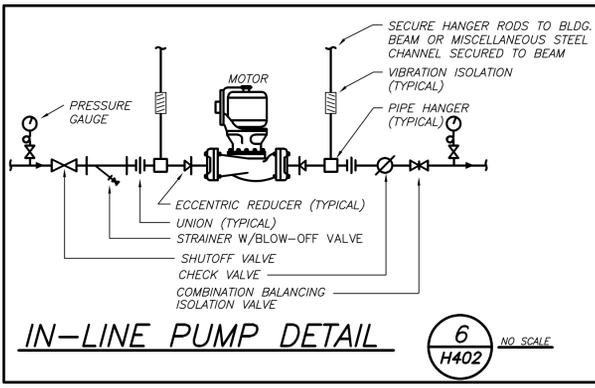
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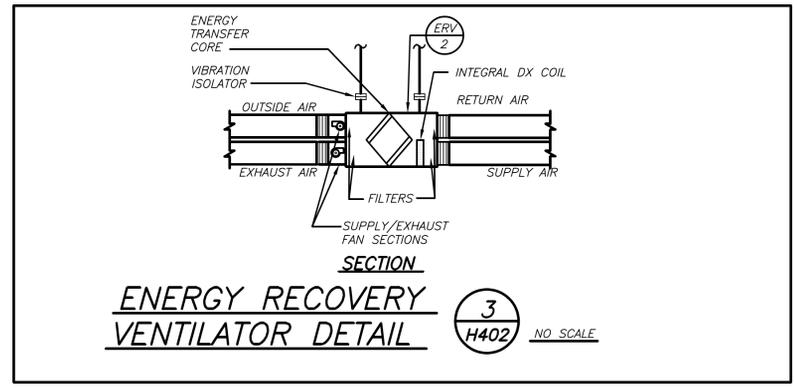
**DETAIL OF HW PIPING BRANCH CONNECTION** 5 NO SCALE  
H402



**ISOMETRIC OF FLOOR MOUNTED ENERGY RECOVERY AIR HANDLING UNIT DETAIL** 2 NO SCALE  
H402



**IN-LINE PUMP DETAIL** 6 NO SCALE  
H402



**ENERGY RECOVERY VENTILATOR DETAIL** 3 NO SCALE  
H402

**PROFESSIONAL DEVELOPMENT CENTER**

NYACK UFSO

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NYACK, NY 10960

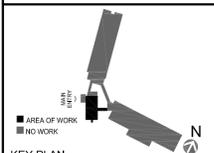
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CONSULTING ENGINEERS  
39 MARBLE AVE. PLEASANTVILLE, NY 10570  
914.328.6600 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM  
NY SED PROJECT CONTROL NO.  
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BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

## GENERAL NOTES

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.
- THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO SUBMISSION OF BID TO DETERMINE WHAT WORK MUST BE PERFORMED AFTER NORMAL BUSINESS HOURS. UNLESS OTHERWISE DIRECTED ANY NOISY WORK (CHOPPING, CORE DRILLING, HAMMERING, ETC.) AND BUILDING POWER INTERRUPTIONS SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. CONFIRM NORMAL BUSINESS HOURS WITH BUILDING OWNER. NO ADDITIONAL COST WILL BE CHARGED TO OWNER FOR WORK PERFORMED OUTSIDE NORMAL BUSINESS HOURS.
- ALL WORK WHERE SHOWN WITH DARK/SOLID LINES ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED.
- FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN MINIMUM 3/4" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE MADE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18"), IN UNFINISHED AREAS CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.
- PROVIDE PANEL NAME PLATE MADE OF BLACK LAMINATED PLASTIC WITH WHITE ENGRAVED LETTERING AND TYPE WRITTEN DIRECTORY FOR ALL NEW AND EXISTING PANELS BEING USED FOR THIS PROJECT.
- ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.
- PROVIDE LOCK-ON CIRCUIT BREAKERS FOR CIRCUITS SERVING EXIT SIGN FIXTURES AND EMERGENCY BATTERY PACK FIXTURES.
- REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES AND OTHER CEILING INSTALLED ITEMS.
- THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOX IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH 6'-0".
- EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.
- WALL MOUNTED EQUIPMENT (SWITCHES, RECEPTACLES, ETC.) SHALL BE SURFACE MOUNTED IN UNFINISHED AREAS AND ON EXISTING CONCRETE BLOCK WALLS AND FLUSH MOUNTED IN NEW WALLS/PARTITIONS.
- CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.
- PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
- ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A DRAGWIRE.
- THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
- PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL CONFIRM THE CONFIGURATION TYPE FOR ALL SPECIAL RECEPTACLES FOR COPIERS, DATA PROCESSING EQUIPMENT, ETC. WITH OWNER AND ENGINEER PRIOR TO ORDERING.
- COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.
- ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
- PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
- MULTIPLE SWITCHES SHOWN IN SAME LOCATION SHALL BE GANGED TOGETHER WITH A COMMON FACEPLATE.
- ALL LIGHTING FIXTURES UTILIZING ELECTRONIC BALLASTS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL OR AN OVERSIZED NEUTRAL WHEN SHARED.
- ALL LIGHTING FIXTURES CONTROLLED BY DIMMER SWITCHES SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR.
- ALL EMERGENCY LIGHT FIXTURES DESIGNATED 'EM' SHALL BE SWITCHED UNLESS OTHERWISE NOTED. PROVIDE UL924 EMERGENCY RELAY TO BYPASS SWITCH UPON INTERRUPTION OF NORMAL POWER AND ILLUMINATE REGARDLESS OF SWITCH POSITION.
- OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP-25 (NO LESS THAN 3" THICK BACKED UP WITH MINERAL WOOL).
- ALL PANELBOARD COVERS SHALL BE INSTALLED IN PLACE AT THE COMPLETION OF EACH DAYS WORK
- PREPARE 'AS-BUILT' DRAWINGS THAT REFLECT ACTUAL CONSTRUCTION AND SHOW DEVIATIONS FROM DESIGN DRAWINGS.
- LIGHT FIXTURES SHALL BE CONSTRUCTED TO SUIT PARTICULAR TYPE OF CEILING AND WALL CONSTRUCTION AND SHALL BE PROVIDED WITH APPROPRIATE TRIMS, MOUNTING FRAMES AND ADAPTERS AS REQUIRED.
- CONTRACTOR IS OBLIGATED TO INSTALL THE LIGHTING SYSTEM AND CONTROLS IN OBSERVANCE OF ALL APPLICABLE LOCAL AND NATIONAL CODES IN ACCORDANCE WITH APPROVED SUBMITTALS, INCLUDING ALL NOTES AND REVISIONS.
- LIGHTING CONTROL SYSTEM MANUFACTURER OR REPRESENTATIVE SHALL PROVIDE ORCHESTRATE PROJECT MANAGEMENT AND QUALIFIED STARTUP OR COMMISSIONING SERVICES TO MEET THE SPECIFICATION AND CONTROL INTENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, WIRING, PLACEMENT, AND ADJUSTMENT OF ALL SENSORS AS PER MANUFACTURER'S SPECIFICATIONS, ENGINEER'S DESIGN INTENT, AND APPROVED SUBMITTALS.

## GENERAL REMOVAL NOTES

- BEFORE COMMENCING WORK, EXAMINE ALL ADJOINING AREAS THAT MAY BE AFFECTED BY REMOVAL. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS PERFORMANCE OF THE WORK.
- BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS WHERE CONNECTIONS MUST BE MADE, CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF.
- FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE. INSPECT EACH AND EVERY AREA AFFECTED BY THE ALTERATION OF THE SPACE BEFORE SUBMITTAL OF BID.
- ALL ELECTRICAL EQUIPMENT IN THE AREA OF WORK IS EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
  - LIGHTING FIXTURES AND SWITCHES.
  - CIRCUIT BREAKERS AND DISCONNECT SWITCHES.
  - RECEPTACLES, OUTLETS AND DEVICES.
- ALL CONDUCTORS AND CONDUIT ASSOCIATED WITH REMOVED ELECTRICAL EQUIPMENT SHALL BE REMOVED COMPLETELY BACK TO ITS SOURCE OF POWER AND DISCONNECTED.
- ALL POWER CONDUCTORS, CONTROL WIRING AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SUCH AS FANS, AIR CONDITIONING UNITS, PUMPS, ETC. DESIGNATED FOR REMOVAL ON THE HVAC AND PLUMBING REMOVAL DRAWINGS SHALL BE REMOVED CLEAR BACK TO THE SOURCE OF POWER AND DISCONNECTED. ALL MOTOR STARTERS, DISCONNECT SWITCHES, CONTROL DEVICES, ETC. SHALL BE REMOVED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- CIRCUIT BREAKERS AND/OR SWITCHES IN PANELBOARD(S) OR DISTRIBUTION BOARD(S) MADE SPARE DUE TO REMOVAL SHALL BE DESIGNATED AS SUCH ON THE PANEL SCHEDULE.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TRACE AND RELOCATE ALL EXISTING FEEDERS AND BRANCH CIRCUIT WIRING WHICH PASSES THROUGH THE REMOVAL AREA THAT SERVE EXISTING OCCUPIED SPACES TO REMAIN. COORDINATE WITH BUILDING MANAGER PRIOR TO ANY SHUTDOWNS OR DISRUPTIONS THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
- DISPOSE OF ALL REMOVED EQUIPMENT, WHICH IS NOT INTENDED TO BE REUSED. PRIOR TO DISPOSAL, CONTACT BUILDING MANAGER TO DETERMINE IF ANY REMOVED EQUIPMENT IS DESIRED FOR STOCK.
- EXISTING CIRCUIT BREAKERS IN PANEL(S) ARE TO BE RE-USED. ELECTRICAL CONTRACTOR TO DISCONNECT PANEL AND CIRCUIT BREAKERS WITH GREAT CARE TO ENSURE AGAINST DAMAGE. THIS CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.
- ALL FIRE ALARM DEVICES IN THE AREA OF WORK ARE EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED.
- EXISTING EQUIPMENT DESIGNATED FOR REUSE SHALL BE CLEANED, REFURBISHED AND RESTORED TO OPTIMUM PERFORMANCE. THIS SHALL INCLUDE BUT NOT LIMITED TO CLEANING OF LIGHT FIXTURES, REPLACEMENT OF INOPERABLE BALLASTS AND LAMPS, RESISTANCE TESTING OF BRANCH CIRCUITRY AND FEEDERS, ETC.
- EXTEND EXISTING CIRCUITRY TO THOSE DEVICES THAT ARE TO BE RELOCATED. MATCH EXISTING TYPE AND SIZE. RELOCATION OF EXISTING EQUIPMENT SHALL BE PERFORMED ONLY UPON OWNERS ACCEPTANCE OF EXISTING EQUIPMENT.
- EXTEND EXISTING CIRCUITS SERVING EQUIPMENT TO REMAIN FROM PANELS THAT ARE TO BE REMOVED TO NEW PANELS OR EXISTING PANELS THAT ARE TO REMAIN.

## DISPOSAL OF MERCURY CONTAINING LAMPS

- ALL FLUORESCENT AND HID LAMPS WITHIN REMOVED LIGHT FIXTURES ARE CONSIDERED MERCURY CONTAINING AND SHALL BE TREATED AS HAZARDOUS MATERIAL.
- FLUORESCENT AND HID LAMPS SHALL BE REMOVED FROM DEMOLISHED LIGHT FIXTURES AND DISPOSED OF AS PER NEW YORK STATE DEC REGULATIONS AND METHODS
- LAMPS MUST BE BAGGED IN NON-LEACHING PLASTIC BAGS AND SEALED TO PREVENT LEAKING.
- EACH LAMP OR BAGGED CONTAINER IN WHICH THESE LAMPS ARE CONTAINED MUST BE LABELED OR MARKED CLEARLY WITH ONE OF THE FOLLOWING PHRASES: UNIVERSAL WASTE LAMPS, OR WASTE LAMPS, OR USED LAMPS
- THESE MARKED BAGS MUST BE DELIVERED TO THE PROPER NEW YORK STATE D.E.C. AUTHORIZED LANDFILL OR RECYCLE CENTERS.

## ABBREVIATIONS

ABBV.	DESCRIPTION
A	AMP/AMPERE
A.F.F.	ABOVE FINISHED FLOOR
AIC	AMP INTERRUPTING CURRENT
AWG	AMERICAN WIRE GAUGE
CH	CABINET HEATER
EM	EMERGENCY
E.C.	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
F.A.C.P.	FIRE ALARM CONTROL PANEL
G.GRD	GROUND
GFI	GROUND FAULT INTERRUPTER
kcmil	THOUSAND CIRCULAR MILLS
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NTS	NOT TO SCALE
P.A.	PUBLIC ADDRESS
TYP.	TYPICAL
UH	UNIT HEATER
U.O.N.	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
W	WATT
WP	WEATHERPROOF

## LEGEND

	2'x4' LED CEILING MOUNTED LIGHT FIXTURE. UPPER CASE LETTER DENOTES TYPE, LOWER CASE LETTER DENOTES SWITCH CONTROL. FIXTURE SCHEDULE DENOTES TYPE.
	2'x4' CEILING MOUNTED LED LIGHT FIXTURE FOR EMERGENCY OPERATION. 'EM' INDICATES SWITCHED EMERGENCY FIXTURE, 'EM/NL'-UNSWITCHED EMERGENCY FIXTURE.
	CEILING/WALL MOUNTED EXIT LIGHT WITH OUTLET BOX. DIRECTIONAL ARROWS SHADED PORTION INDICATES ILLUMINATED FACE. SCHEDULE DENOTES TYPE.
	WALL MOUNTED VACANCY SENSOR SIMILAR TO HUBBELL LIGHTHAWK MODEL #LHMTS1-G
	NETWORK DIGITAL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, SIMILAR TO WATTSTOPPER MODEL LMDC-100. WORKS WITH DIGITAL ROOM CONTROLLER. PROGRAM TO MAXIMUM SENSITIVITY AND TIME DELAY TO 20 MIN.
	NETWORK DIGITAL DIMMABLE ROOM CONTROLLER FOR LIGHTING CONTROL. SIMILAR TO WATTSTOPPER MODEL LMRC-213. HOT WIRE TO LOAD, CAT 5 WIRE CONNECTION TO CONTROL THE DEVICE. RC# DENOTES LMRC-21# WITH # OF ZONES
	3 NETWORK DIGITAL FLUSH MOUNTED PRESET 3-ZONE DIMMABLE WALL STATION. SIMILAR TO WATTSTOPPER MODEL LMSV-104. WORKS WITH DIGITAL ROOM CONTROLLER. INCLUDES BUTTON ENGRAVING AND PROGRAMMING PER ZONE. A,B,C, ON/ RAISE, LOWER. SUPERScript '3' DENOTES 3 WAY SWITCH.
	3 NETWORK DIGITAL FLUSH MOUNTED PRESET 3-ZONE DIMMABLE WALL STATION. SIMILAR TO WATTSTOPPER MODEL LMSW-105. WORKS WITH DIGITAL ROOM CONTROLLER. INCLUDES BUTTON ENGRAVING AND PROGRAMMING PER ZONE. A,B,C, ON/ RAISE, OFF/LOWER. SUPERScript '3' DENOTES 3 WAY SWITCH.
	3 HOMERUN TO DESIGNATED PANEL. ARROWHEAD INDICATES SINGLE POLE CIRCUIT. HOMERUN SHALL CONSIST OF 2#12-3/4" U.O.N.
	2,4,6 HOMERUN TO DESIGNATED PANEL, NUMBERS INDICATE MULTIPLE CIRCUIT, I.E. 3-HOTS AND 1-GROUND U.O.N.
	125V-2P-3W-20A GROUNDED TYPE. SPECIFICATION GRADE TAMPER RESISTANCE WALL MOUNTED DUPLEX RECEPTACLE. SIMILAR TO HUBBELL #5362WTR
	20A FLUSH WALL MOUNTED GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE HUBBELL #GF5362.
	CEILING MOUNTED 125V-2P-3W-20A GROUNDED TYPE RECEPTACLE. PROVIDE BRIDGE SUPPORT IN ALL AREAS MOUNTED ON CEILING TILE.
	RECESSED WALL BOX 2-GANG ENCLOSURE. SIMILAR TO HUBBELL# FPTY WITH 125V-2P-3W-20A GROUNDED TYPE SPECIFICATION GRADE RECEPTACLE SIMILAR TO HUBBELL #5362
	FLUSH WALL MOUNTED DATA OUTLET CONSISTING OF A COVER PLATE WITH 1" GROMMETED OPENING AND 1-1/4" EMPTY CONDUIT WITH DRAG LINE STUBBED UP 6" ABOVE FINISHED CEILING.
	FLUSH WALL MOUNTED TELE DATA OUTLET CONSISTING OF A COVER PLATE WITH 1" GROMMETED OPENING AND 1-1/4" EMPTY CONDUIT WITH DRAG LINE STUBBED UP 6" ABOVE FINISHED CEILING.
	S <sub>RIL</sub> RAISE LOW SWITCH
	SURFACE MOUNTED NEW ELECTRICAL PANELBOARD.
	240 3 60 40 WP HEAVY DUTY TYPE DISCONNECT SWITCH WITH FINAL FLEXIBLE EQUIPMENT CONNECTION. 240 INDICATES VOLTAGE, 3 INDICATES NO. OF POLES, 60 INDICATES AMPERE RATING, NF INDICATES NON-FUSED (OR FUSE SIZE) U.O.N. REFER TO SPECIFICATION AND DRAWINGS FOR ENCLOSURE. 'WP' WHERE USED INDICATES WEATHERPROOF ENCLOSURE (NEMA 3R).
	S <sub>T</sub> THERMAL SWITCH, CUTLER-HAMMER MS SERIES MANUAL STARTERS SINGLE-PHASE 20AMP, 120V U.O.N. WHERE INDICATED WITH 'WP' PROVIDE WATERTIGHT ENCLOSURE TYPE 3.
	S <sub>2T</sub> 208 VOLT, SINGLE PHASE 2 POLE, THERMAL OVERLOAD PROTECTED TOGGLE TYPE SWITCH. SIMILAR TO EATON #AH4361 + #AH27940G NEMA 1 ENCLOSURE.
	5 MOTOR (F.B.O. WIRED BY ELEC.) - NUMBER INDICATES HORSEPOWER. REFER TO PANEL SCHEDULES FOR WIRING AND OVER CURRENT PROTECTION.
	F WALL MOUNTED COMBINATION FIRE ALARM HORN STROBE DEVICE.
	F WALL MOUNTED FIRE ALARM MANUAL PULL STATION
	S CEILING MOUNTED IONIZATION TYPE SMOKE DETECTOR
	ST WALL MOUNTED FIRE ALARM STROBE LIGHT.
	FACP FIRE ALARM CONTROL PANEL.
	WAP JUNCTION BOX FOR CEILING MOUNTED WIRELESS ACCESS POINT. DEVICE AND WIRING PROVIDED BY OWNER. PROVIDE BRIDGE SUPPORT IN ALL AREAS MOUNTED ON CEILING TILE.
	1 TAG SYMBOL. NUMERAL DENOTES REFERENCE TO A WORK NOTE.
MECHANICAL EQUIPMENT IDENTIFICATION:	
	EQUIPMENT ABBREVIATION (FE, SF, HV, ETC. SEE ABBREVIATIONS ON THIS DWG.)
	EQUIPMENT NUMBER
DETAIL/PART PLAN NUMBER IDENTIFICATION:	
	DETAIL/PART PLAN NUMBER
	DRAWING NUMBER

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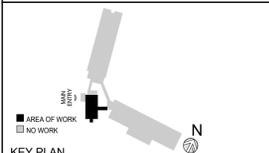


BARILE GALLAGHER & ASSOCIATES  
CONSULTING ENGINEERS  
39 MARBLE AVE. PLEASANTVILLE, NY 10570  
PHONE: 914.328.6600 FAX: 914.328.9394 General@BGA-A.com

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## CONSTRUCTION DOCUMENTS



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## NOTES ABBREVIATIONS AND LEGENDS

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E001

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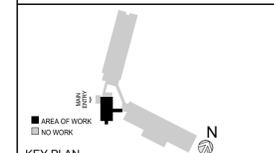


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 CONSULTING ENGINEERS  
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**1 1ST FLOOR REMOVAL PLAN**  
 E101 Existing

**REMOVAL NOTES**  
 (T) ELECTRICAL CONTRACTOR TO REMOVE EXISTING RECESSED MOUNTED PANELBOARD BACK TO THE SOURCE. EXTEND ANY EXISTING BRANCH CIRCUITRY TO NEW PANELBOARDS SHOWN ON DRAWING E301. REFER TO RISER ON E501 FOR ADDITIONAL SCOPE OF WORK.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS

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**ELECTRICAL REMOVALS**

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**E101**

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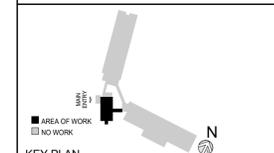


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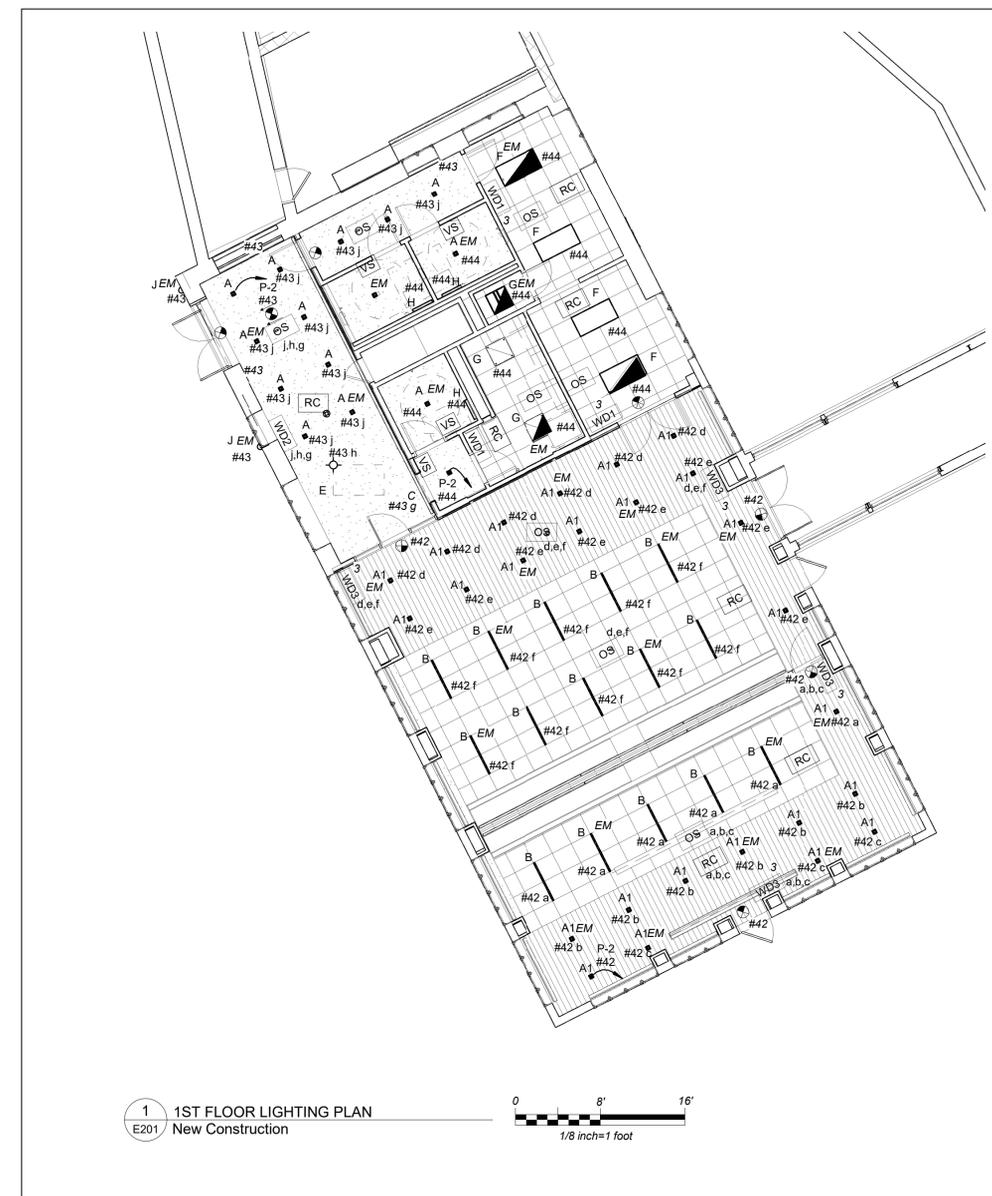
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**LIGHTING PLAN**

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Sheet Number  
**E201**



**1 1ST FLOOR LIGHTING PLAN**  
 E201 New Construction

**GENERAL NOTES:**

1. CIRCUIT BREAKER NUMBERS PROVIDED ARE FOR CONTRACTOR REFERENCE ONLY. RE-USE EXISTING BREAKERS AVAILABLE AFTER DEMO WORK.
2. FOR ALL AREAS CONTROLLED BY ROOM CONTROLLER "RC", ELECTRICAL CONTRACTOR IS TO CIRCUIT ROOM CONTROLLER, THEN EXTEND LINE VOLTAGE CIRCUITRY TO EACH OF THE LIGHT FIXTURES DEPENDING ON CONTROL ZONES. REFER TO ROOM CONTROLLER WIRING DIAGRAM DETAILS ON DRAWING E601.
3. ALL EXIT LIGHTS SHALL BE CIRCUITED TO NARMAL LIGHTING CIRCUIT IN THE AREA, AHEAD OF SWITCHING.
4. SET LIGHTING CONTROL SENSORS TO HIGHEST SENSITIVITY AVAILABLE PRIOR TO INSTALLATION.

**LIGHTING CONTROL AND SEQUENCE OF OPERATION:**

1. CONFERENCE ROOM AND LOBBY ARE CONTROLLED VIA MANUAL ON DIMMABLE WALL SWITCH AND OCCUPANCY SENSORS. EACH CLASSROOMS CONSISTS OF FULL DIMMING CAPABILITY OF THREE ZONES. WALL SWITCHES CONSISTS OF 'A', 'B', 'C' 'OFF', 'RAISE' AND 'LOWER' BUTTONS. THE OCCUPANCY SENSORS SHALL HAVE AUTO OFF FEATURE WHICH SHALL TURN ALL LIGHTS OFF AFTER 20 MINUTES WHEN THE ROOM IS VACANT. FIXTURES WITH IN BUILT EMEGENCY BATTERY PACK ARE INCLUDED TO OVRVERIDE SWITCHING AND FORCE EMEGENCY LIGHTS ON 100% IN EVENT OF EMEGENCY.
2. SINGLE TOILETS SHALL BE CONTROLLED VIA WALL MOUNTED VACANCY SENSOR. THE VACANCY SENSORS CONSISTS OF MANUAL 'ON' AND AUTO 'OFF'. THE AUTO OFF FEATURE WHICH SHALL TURN ALL LIGHTS OFF AFTER 20 MINUTES WHEN THE BATHROOM IS VACANT. SELF CONTAINED BATTERY PACKS TO OVRVERIDE ALL CONTROLS IN EVENT IF EMEGENCY.
3. EXTERIOR LIGHTS ARE CONTROLLED VIA INTEGRAL PHOTOCCELL AND OCCUPANCY SENSOR. IN BUILT BATTERY BACK UP SHALL OVRVERIDE ALL CONTROLS IN EVENT OF EMEGENCY.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS

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 CONSULTING ENGINEERS  
 39 MARBLE AVE. PLEASANTVILLE, NY 10570  
 PH: 914.328.6000 FAX: 914.328.9304 General@BGA-Eng.com

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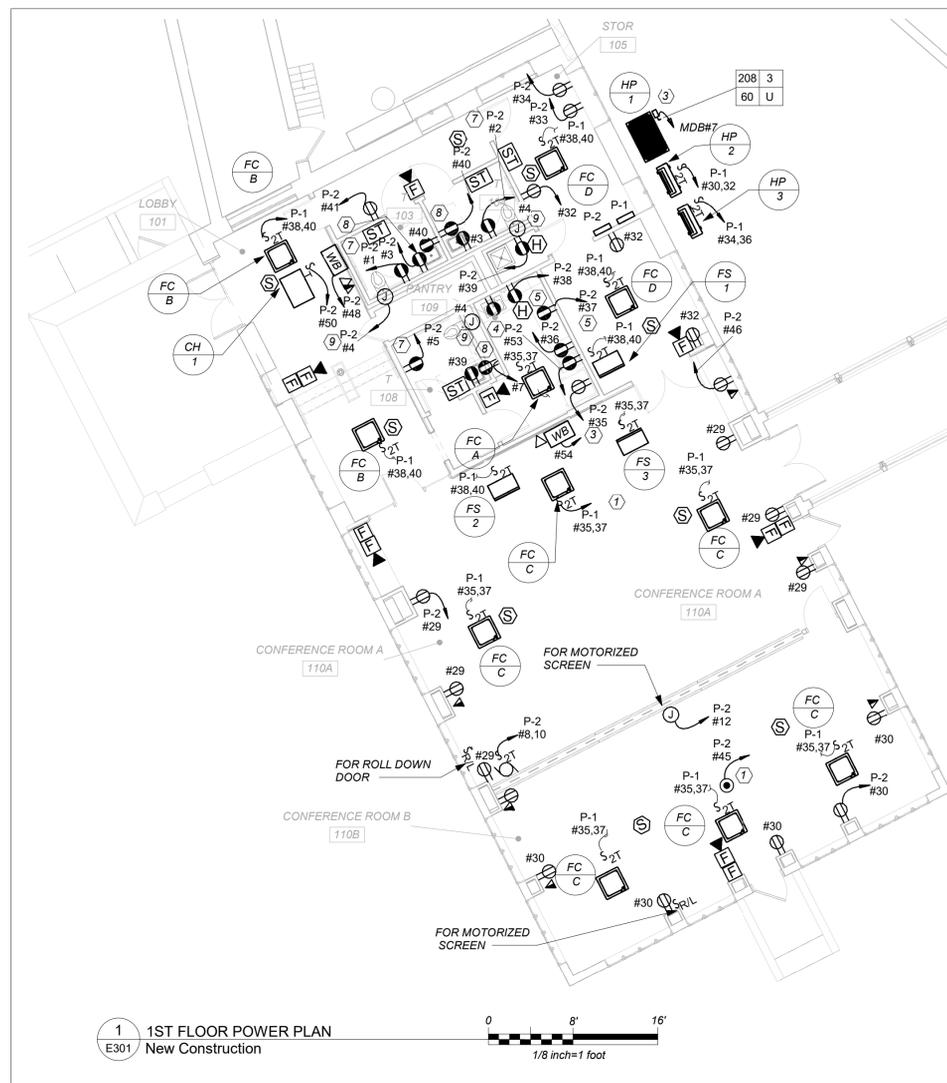
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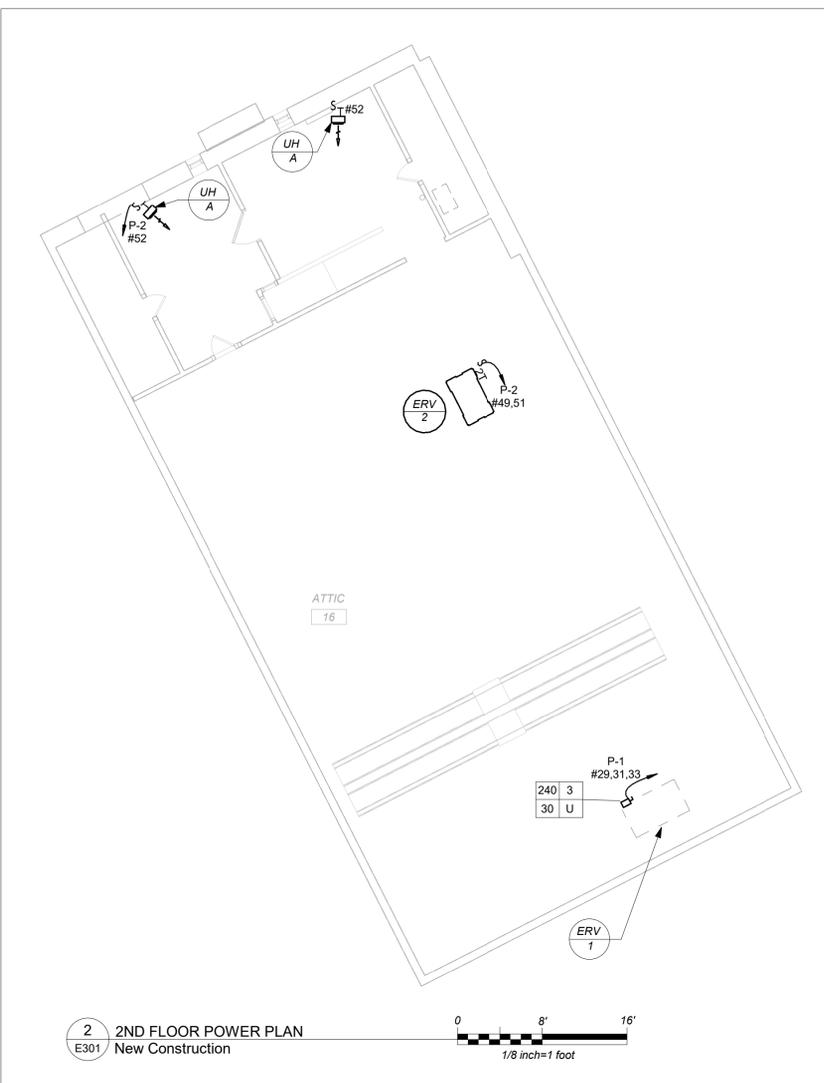
**POWER PLAN**

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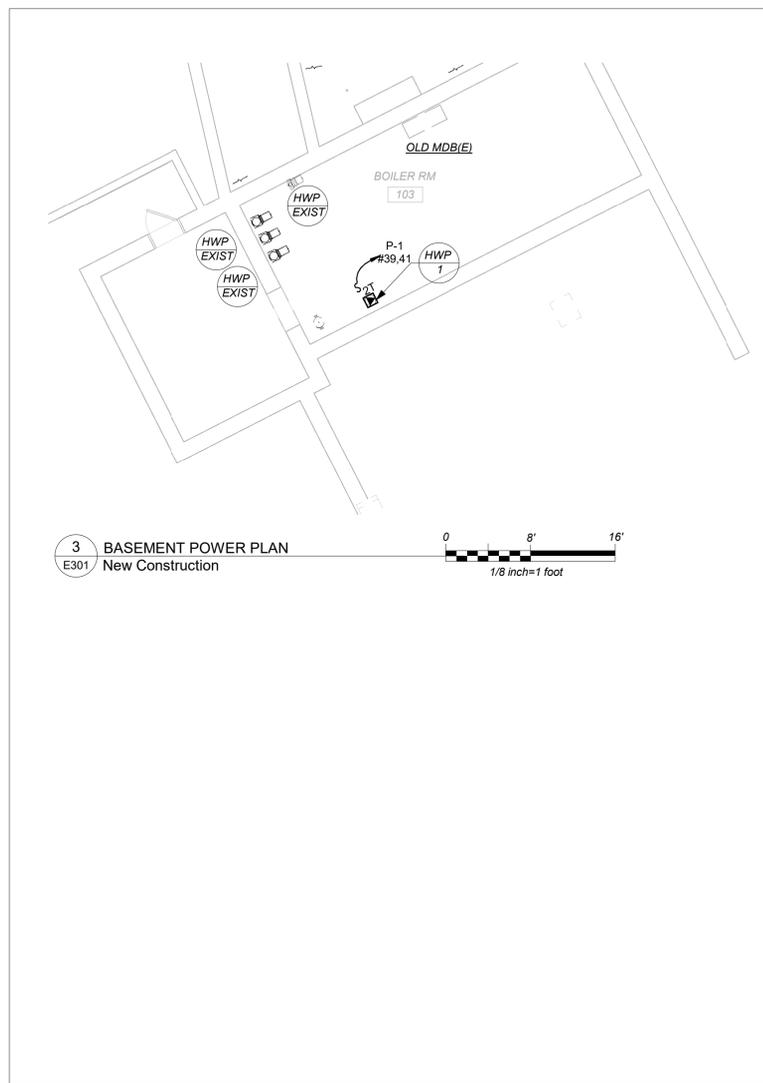
Sheet Number  
**E301**



**1 1ST FLOOR POWER PLAN**  
 E301 New Construction



**2 2ND FLOOR POWER PLAN**  
 E301 New Construction



**3 BASEMENT POWER PLAN**  
 E301 New Construction



**4 1ST FLOOR PLAN**  
 E301

- GENERAL NOTES:**
1. PROVIDE PATHWAY ONLY (CONDUIT W/DRAWLINE) FOR ALL TELEPHONE AND DATA WIRING
- WORK NOTES**
1. COORDINATE EXACT LOCATION OF THE PROJECTOR WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
  2. LOCATION FOR THE DISPLAY UNIT. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
  3. CIRCUIT FOR REFRIGERATOR. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
  4. CIRCUIT FOR MICROWAVE. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
  5. DEDICATED CIRCUIT FOR OWNER EQUIPMENT. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
  6. PROVIDE 3P-125AMP CIRCUIT BREAKER IN THE EXISTING MAIN ELECTRICAL BOARD PROVIDE 3#1+1#4G IN 1-1/2" CONDUIT FROM THE MDB TO HP-1
  7. CIRCUIT FOR HAND DRYERS. COORDINATE EXACT LOCATION WITH ARCHITECT BEFORE START OF ANY WORK.
  8. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF GFI OUTLET BELOW THE SINK TO SERVE THE POWER SUPPLY FOR AUTOMATIC FAUCET PRIOR TO THE START OF ANY WORK WITH PLUMBING CONTRACTOR. POWER SUPPLY FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL THE 120V CIRCUIT AND ALL LOW VOLTAGE WIRING ON THE LOAD SIDE OF POWER SUPPLY BY PLUMBING CONTRACTOR.
  9. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF JUNCTION BOX TO SERVE THE POWER SUPPLY FOR AUTOMATIC FLUSH VALVE PRIOR TO THE START OF ANY WORK WITH PLUMBING CONTRACTOR. POWER SUPPLY FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL THE 120V CIRCUIT AND ALL LOW VOLTAGE WIRING ON THE LOAD SIDE OF POWER SUPPLY BY PLUMBING CONTRACTOR.
  10. DEDICATED CIRCUIT FOR DATA RACK. COORDINATE EXACT LOCATION AND HEIGHT WITH SCHOOL AV VENDOR BEFORE START OF ANY WORK.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS

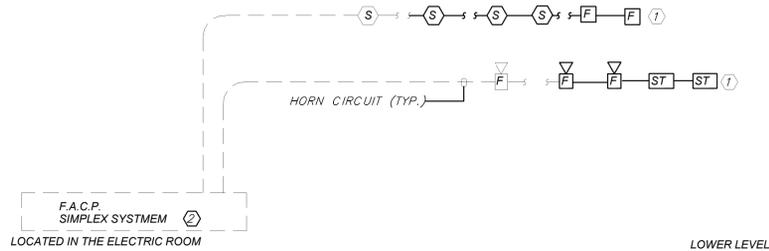
**FIRE ALARM RISER GENERAL NOTES:**

- FIRE ALARM WIRING DIAGRAMS SHOWN ARE FOR GENERAL ARRANGEMENT ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY AND OBTAIN POINT TO POINT WIRING DIAGRAM PRIOR TO INSTALLATION FROM MANUFACTURER.
- PERMITS AND APPROVALS NECESSARY FOR INSTALLATION OF THE WORK SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT.
- IN AREAS WHERE DUST AND DIRT WILL BE AIRBORNE DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL PROVIDE PLASTIC WRAP OVER SMOKE DETECTORS AND THEN REMOVE ONCE SPACE IS CLEAN.
- UNLESS DIRECTED OTHERWISE BY FIRE ALARM SYSTEM MANUFACTURER FIRE ALARM DEVICE WIRING SHALL BE AS FOLLOWS (FOR BIDDING PURPOSES ONLY):
  - HORN WIRING - #16 AWG TWISTED
  - STROBE WIRING - #14 AWG TWISTED
  - SIGNAL WIRING - #14 AWG TWISTED/SHEILD

THE WIRING SHALL HAVE THE FOLLOWING CHARACTERISTICS:

  - A. A MINIMUM TEMPERATURE RATING OF 150 C
  - B. A MINIMUM AVERAGE INSULATION THICKNESS OF 15 MILS
  - C. A MINIMUM AVERAGE JACKET THICKNESS OF 25 MILS
  - D. THE COLOR OF THE CABLE SHALL BE RED
  - E. THE CABLE SHALL BE A TYPE FPLP (PLENUM TYPE) WHEN CONDUIT IS USED. SEE NOTE 5 FOR ADDITIONAL CLARIFICATION.
  - F. THE CABLE SHALL BE VISIBLY MARKED EXTERNALLY THAT IT MEETS THE ABOVE REQUIREMENTS AND IS LISTED BY UL.

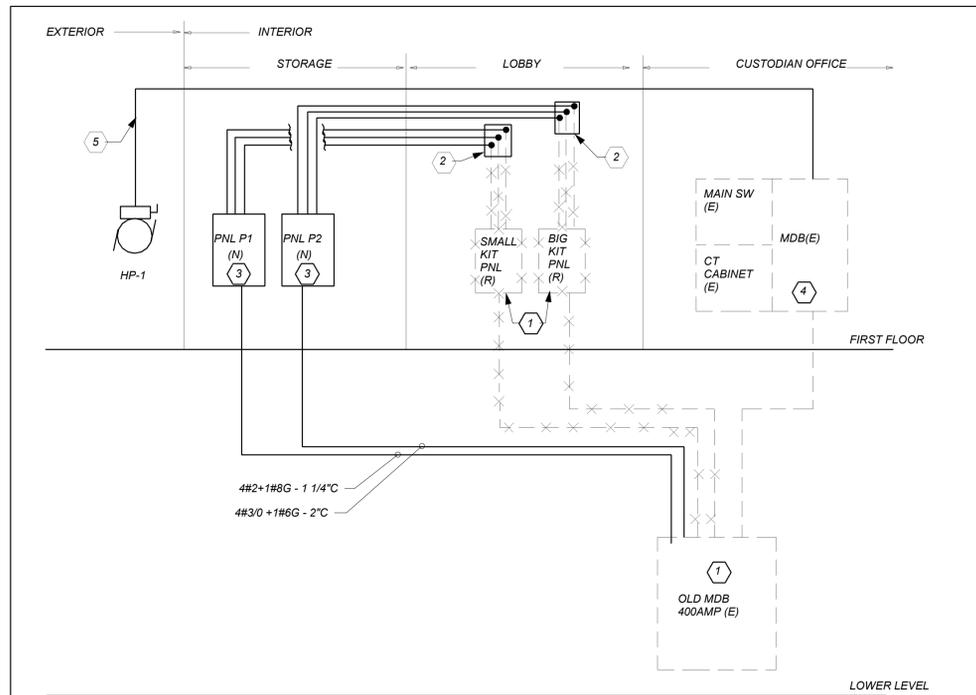
CONFIRM WIRING TYPE AND QUANTITY WITH FIRE ALARM SYSTEM MANUFACTURER PRIOR TO PURCHASING.
- PROVIDE MC FIRE ALARM CABLE WITH RED STRIPE AS MANUFACTURED BY AFC. SERIES 1800 WHEN CABLE IS CONCEALED OR ABOVE HUNG CEILING. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN FINISHED AREAS, CABLE SHALL RUN IN WIREMOLD V-700. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN UNFINISHED AREAS, PROVIDE PLENUM RATED CABLE IN MIN. 3/4" CONDUIT.
- STROBES SHALL HAVE A MINIMUM LIGHT OUTPUT OF 75 CANDELA AND A FLASH RATE OF 1-3 HZ.
- PER NFPA72-18.4.3.1, TO MEET PUBLIC MERE AUDIBLE REQUIREMENTS, ALL HORNS SHALL HAVE A SOUND LEVEL AT LEAST 15 dB ABOVE THE AVERAGE AMBIENT SOUND LEVEL.
- WALL MOUNTED HORN STROBE UNITS SHALL NOT HAVE ANY OTHER DEVICES OR APPURTENANCES WITHIN 5 FEET OF THE DEVICE. THE ENTIRE LENS OF THE UNIT SHALL NOT BE LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR, WHILE MAINTAINING 6" BELOW THE CEILING. DEVICES SHALL BE FLUSH MOUNTED IN ALL FINISHED AREAS. PROVIDE DOUBLE DEEP DEVICE BOX IN WALL.
- AFTER THE SYSTEM IS COMPLETE, TEST ALL COMPONENTS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE DEPARTMENT INSPECTION.
- ALL PULL STATIONS SHALL BE PROVIDED WITH CLEAR PROTECTIVE LEXAN COVER. COVER SHALL BE AS MANUFACTURED BY SAFETY TECHNOLOGY INTERNATIONAL INC. CAT. #STI 1100 STOPPER II.
- COORDINATE F.A WORK WITH F.A VENDOR.
- VERIFY EXACT QUANTITIES OF FIRE ALARM DEVICES WITH PLANS.
- ALL DEVICES SHALL BE SUPERVISED AS PER N.F.P.A. 72. PROVIDE END OF LINE RESISTORS AS REQUIRED PER INDIVIDUAL MANUFACTURER. PROVIDE LOAD RELAYS AS REQUIRED FOR PROPER OPERATION OF EQUIPMENT.
- THIS CONTRACTOR IS RESPONSIBLE FOR ALL PROGRAMMING AND MAPPING OF EACH DEVICE AS REQUIRED.



**FIRE ALARM RISER DIAGRAM**  
(NEW WORK) 2 NTS. E-502

**FIRE ALARM RISER WORK NOTES:**

- CONNECT NEW FIRE ALARM DEVICES TO NEAREST EXISTING FIRE ALARM DEVICE CIRCUIT. PROVIDE ALL REQUIRED RELAYS, MODULES, WIRING, ETC., AS NEEDED. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- PROVIDE ALL RELAYS, POWER SUPPLIES, WIRING, ETC. AS REQUIRED FOR COMPLETE INSTALLATION. COORDINATE F.A WORK WITH EXISTING BASE BUILDING FA VENDOR.



**POWER RISER DIAGRAM** 1 NTS. E-501

**WORK NOTES:**

- REMOVE FEEDERS AND EXISTING PANELBOARDS LOCATED IN THE LOBBY BACK TO OLD MDB. RE USE EXISTING BRAKERS TO RUN NEW FEEDERS NEW PANELBOARDS. PROVIDE ALL NECESSARY ACCESSORIES AS NEEDED.
- EXTEND ALL THE EXISTING TO REMAIN BRANCH CIRCUITS TO NEW PANEL BOAD PROVIDE NEW SPLICE BOX AT CEILING TO EXTEND ALL EXISTING ACTIVE CIRCUITS REMAINING AFTER DEMOLITION OF PANELBOARD. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.
- PROVIDE NEW 120/208V PANELBOARD. FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ALL NECESSARY ACCESSORIES
- PROVIDE NEW 125AMP-3P CIRCUIT BREAKER IN THE AVAILBLE SPACE IN MDB. MATCH EXISTING. PROVIDE ALL ADDITIONAL ACCESSORIES AS NEEDED.
- PROVIDE 3#1+1#6 IN 1-1/2" C

**LIGHTING FIXTURE SCHEDULE**

TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#
J	WALL MOUNT	30 WATTS LED UNV	24" SCONCE OUTDOOR WALL MOUNT, 3500K COLOR TEMP	OCL LIGHTING #NP1-S1SA-24-LED1-35K-UNV
	CEILING / WALL MOUNT	1-SW LED UNV.	LED EXIT LIGHTS, STEEL HOUSING, NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. SELF POWERED MODEL WITH 90 MINUTE BATTERY.	ENCORE LIGHTING #LSE-6-R-1/U

**LIGHTING FIXTURE SCHEDULE**

TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#
A	RECESSED	16 WATTS LED UNV	3.5" LOW PROFILE TRIMLESS LED DOWN LIGHT 1300 LUMENS, 0-10V DIMMING CLEAR DIFFUSE COLOR TEMP 3500K WITH WHITE FLANGE	FOCAL POINT #FLC33D-SDO-SW-1300L-UNV-LD1-T TRIM-LC33-SDO-SW-1300L-35K-DNS-FL2-CD-WH
A	RECESSED	16 WATTS LED UNV	SAME AS TYPE "A" WITH EMERGENCY BATTERY BACK UP	FOCAL POINT #FLC33D-SDO-SW-1300L-UNV-LD1-T-EMR TRIM-LC33-SDO-SW-1300L-35K-DNS-FL2-CD
A1	RECESSED	16 WATTS LED UNV	3.5" LOW PROFILE TRIMLESS LED DOWN LIGHT 1300 LUMENS, 0-10V DIMMING CLEAR DIFFUSE COLOR TEMP 3500K WITH BLACK FLANGE	FOCAL POINT #FLC33D-SDO-SW-1300L-UNV-LD1-T TRIM-LC33-SDO-SW-1300L-35K-DNS-FL2-CD-BK
A1	RECESSED	16 WATTS LED UNV	SAME AS TYPE "A1" WITH EMERGENCY BATTERY BACK UP	FOCAL POINT #FLC33D-SDO-SW-1300L-UNV-LD1-T-EMR TRIM-LC33-SDO-SW-1300L-35K-DNS-FL2-CD
B	RECESSED	5 W/FT LED UNV	1.5" LINEAR DIRECT LED 350 LUMEN PER FT, 35K COLOR TEMP, 0-10V DIMMING, LENGHT AS PER FLOOR PLAN	FOCAL POINT #FSMTD-FL-PS06-350L-1C-UNV-LD1-BK
B	RECESSED	5 W/FT LED UNV	SAME AS TYPE "B" WITH EMERGENCY BATTERY BACK UP	FOCAL POINT #FSMTD-FL-PSE-350L-35K-1C-UNV-LD1-EM-BK
C	RECESSED	4.5W/FT LED UNV	LOW PROFILE LED WALL WASH 35K COLOR TEMP, 450 LUMENS PER FOOT, 0-10V DIMMING.	FOCAL POINT #FWSL-450L-35K-1C-120-LD1-U-WH-6FT
E	PENDENT	257 WATTS LED UNV	RECTANGULAR TWIST OPEN LED WITH EXTRUDED LENS. CONFIRM FINISH BY ARCHITECT	ALW LIGHTING #RPD15-R-63-3500
F	RECESSED	29 WATTS LED UNV	2'X4' FLUX LED PANEL 3200 LUMES, 3500K COLOR TEMP, 0-10V DIMMING	DAY-BRITE #2-FPZ-38L-835-4-DS-UNV-DIM
F	RECESSED	29 WATTS LED UNV	SAME AS TYPE "C4" WITH EMERGENCY BATTERY BACK UP	DAY-BRITE #2-FPZ-38L-835-4-DS-UNV-DIM-BSL10LST
G	RECESSED	23 WATTS LED UNV	2'X2' FLUX LED PANEL 3000 LUMES, 3500K COLOR TEMP, 0-10V DIMMING	DAY-BRITE #2-FPZ-30L-835-2-DS-UNV-DIM
G	RECESSED	23 WATTS LED UNV	SAME AS TYPE "G" WITH EMERGENCY BATTERY BACK UP	DAY-BRITE #2-FPZ-30L-835-2-DS-UNV-DIM-BSL10LST
H	WALL MOUNT	14 WATTS LED UNV	24" SCONCE INDOOR WALL MOUNT, 3500K COLOR TEMP	OCL LIGHTING #UA1-S1SA-24-LED1-35K-UNV

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS

**PROFESSIONAL DEVELOPMENT CENTER**

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NYACK, NY 10960

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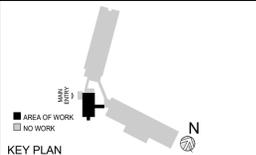


**BARILE GALLAGHER & ASSOCIATES**  
 CONSULTING ENGINEERS  
 39 MARBLE AVE. PLEASANTVILLE, NY 10570  
 PH: (914) 328-6600 FAX: (914) 328-9304 General@BGA-Eng.com

NY SED PROJECT CONTROL NO.

66-23-00-01-0-008-011

**CONSTRUCTION DOCUMENTS**



**KEY PLAN**  
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1	2022-03-24	CONSTRUCTION DOCUMENTS
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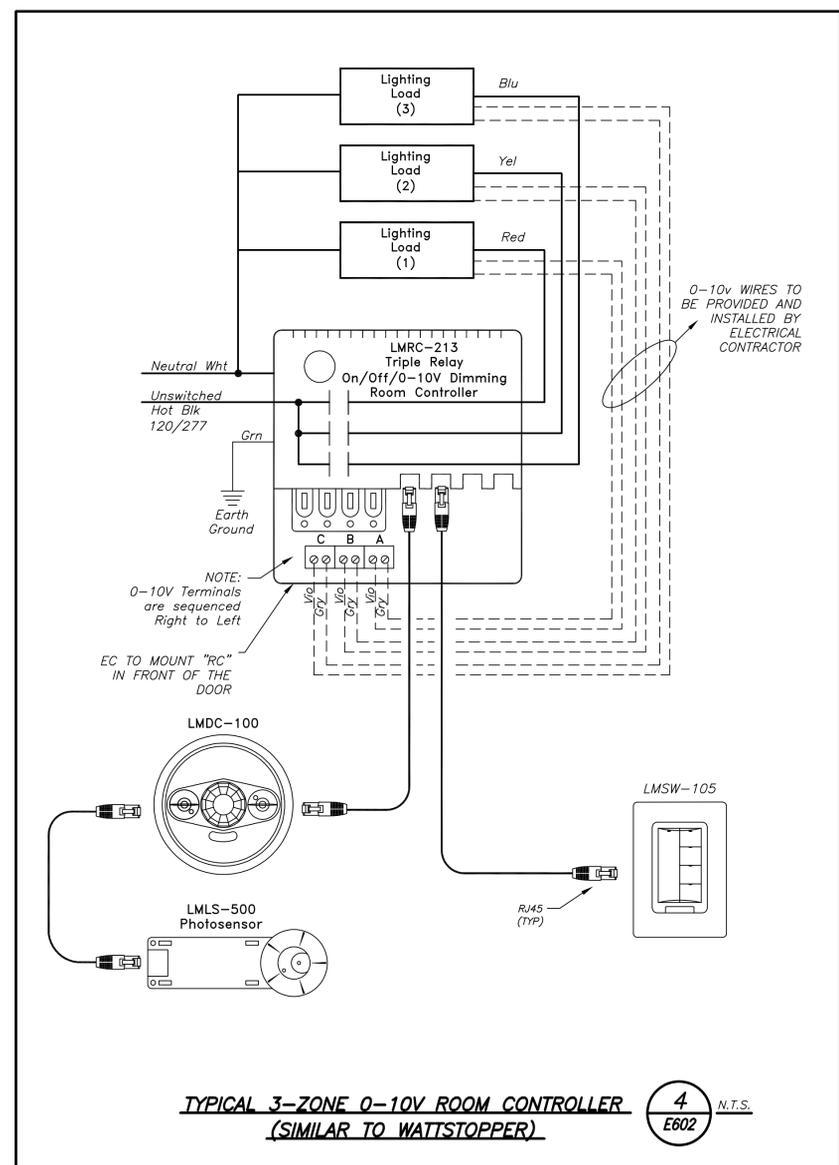
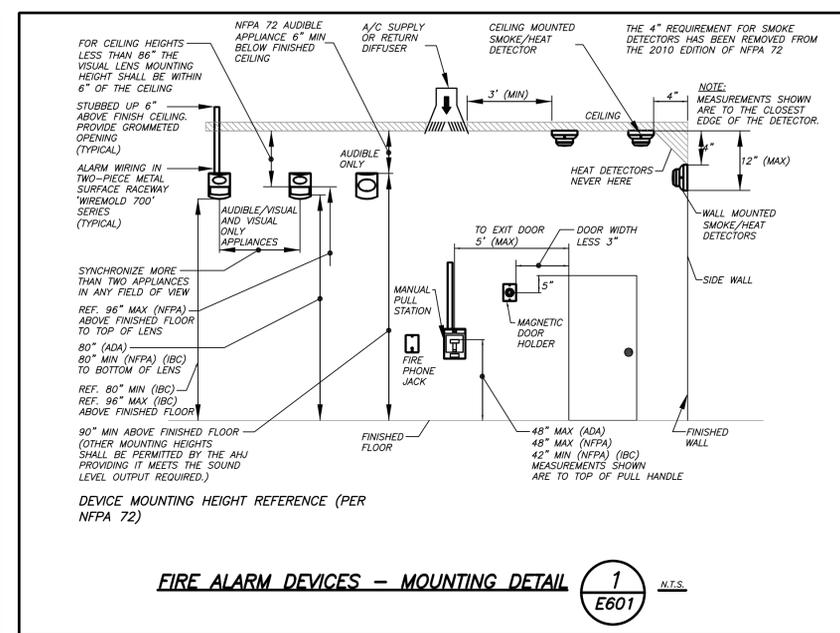
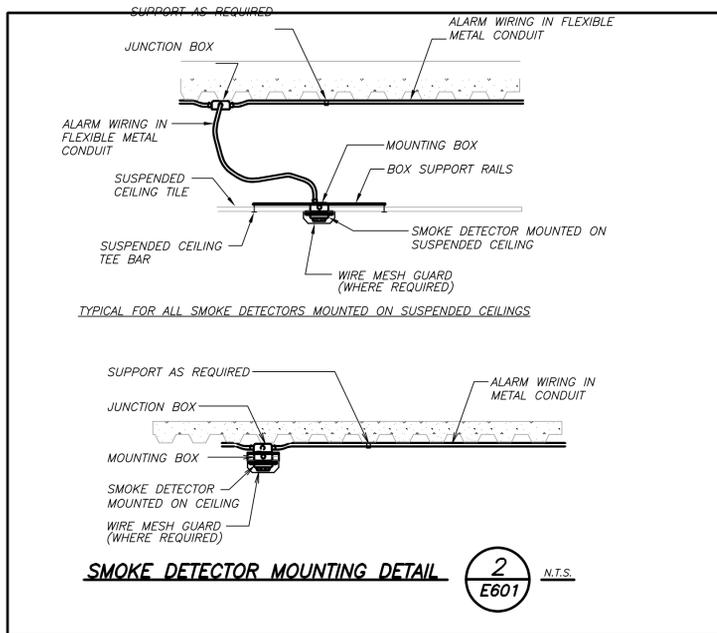
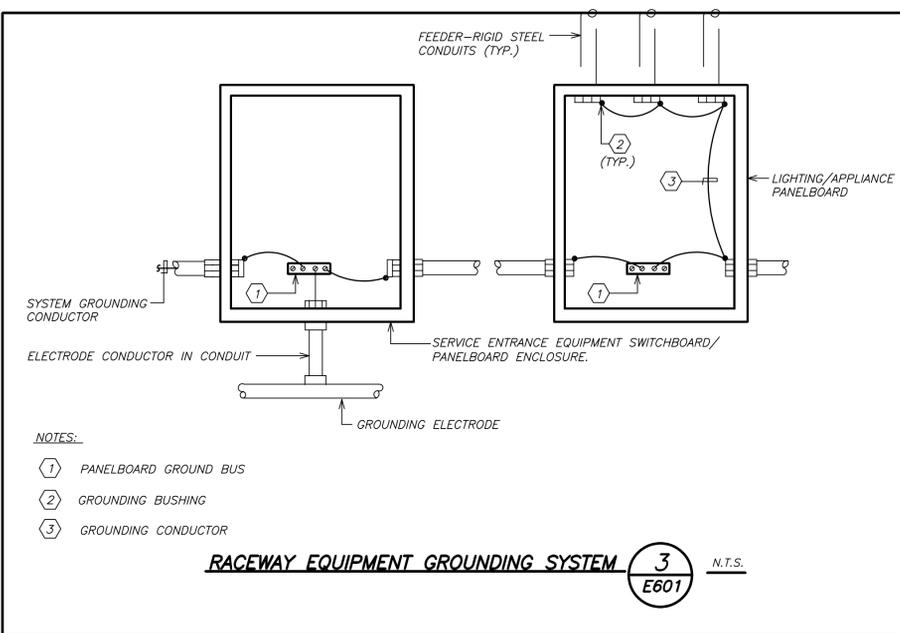
Sheet Title

**RISERS**

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker

Sheet Number

**E501**



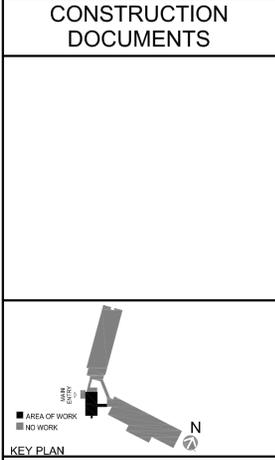
NEW ELECTRICAL PANEL SCHEDULE											
PNL: P-1											
208Y/120, 3 PHASE, 4 WIRE											
22 .000MVA A.I.C. SYM											
NEUTRAL: 100%											
CKT No.	TRIP (AMP)	LOAD	WIRE	CND.	KVA / PHASE	A	B	C	KVA / PHASE	CND.	WIRE
1	50	EXISTING LOAD	EXIST	-							
3	20	EXISTING LOAD	EXIST	-							
5	20	EXISTING LOAD	EXIST	-							
7	20	EXISTING LOAD	EXIST	-							
9	20	EXISTING LOAD	EXIST	-							
11	20	EXISTING LOAD	EXIST	-							
13	20	EXISTING LOAD	EXIST	-							
15	20	EXISTING LOAD	EXIST	-							
17	20	EXISTING LOAD	EXIST	-							
19	20	EXISTING LOAD	EXIST	-							
21	20	EXISTING LOAD	EXIST	-							
23	20	EXISTING LOAD	EXIST	-							
25	20	EXISTING LOAD	EXIST	-							
27	20	HAND DRYER	2#12-#12G	3/4	0.20						
29	3				0.60						
31	30	ERV-1	3#10-#10G	3/4	0.60				1.20	3/4	3#10-#10G
33	30				0.60				1.20	3/4	3#10-#10G
35	2	FC-C	2#12-#12G	3/4	0.19				0.19		
37	20				0.19				0.19	3/4	2#12-#12G
39	2	HWP	2#12-#12G	3/4	0.19				0.19		
41	20				0.19						
43	20	SPARE	-	-							
45	20	SPARE	-	-							
47	20	SPARE	-	-							
49	20	SPARE	-	-							
51	20	SPARE	-	-							
53	20	SPARE	-	-							
SUBTOTALS					0.79	0.99	0.98		1.39	1.39	2.40
TOTAL LOADS					2.2	2.4	3.4				
TOTAL CONN. LOAD					7.9	7.9	22.0				
TOTAL DEMAND LOAD					7.9	7.9	22.0				
LIGHTING					0.00	0.00	0.00				
RECEPTACLE					0.00	0.00	0.00				
KITCHEN					0.00	0.00	0.00				
MOTOR					7.94	7.94	22.0				
POWER					0.00	0.00	0.00				
TOTAL					7.94	7.94	22.0				

NEW ELECTRICAL PANEL SCHEDULE											
PNL: P-2											
208Y/120, 3 PHASE, 4 WIRE											
22 .000MVA A.I.C. SYM											
NEUTRAL: 100%											
CKT No.	TRIP (AMP)	LOAD	WIRE	CND.	KVA / PHASE	A	B	C	KVA / PHASE	CND.	WIRE
1	20	HAND DRYER	2#12-#12G	3/4	1.40				1.40	3/4	2#12-#12G
3	20	AUTO FAUCET	2#12-#12G	3/4	0.20				0.20	3/4	2#12-#12G
5	20	HAND DRYER	2#12-#12G	3/4						3/4	2#12-#12G
7	20	AUTO FAUCET	2#12-#12G	3/4	0.20				0.20	3/4	2#12-#12G
9	20	EXISTING LOAD	EXIST	-							
11	3				0.20				0.20	3/4	2#12-#12G
13	3	EXISTING LOAD	EXIST	-							
15	40	EXISTING LOAD	EXIST	-							
17	3	EXISTING LOAD	EXIST	-							
19	3	EXISTING LOAD	EXIST	-							
21	20	EXISTING LOAD	EXIST	-							
23	3	EXISTING LOAD	EXIST	-							
25	3	EXISTING LOAD	EXIST	-							
27	20	EXISTING LOAD	EXIST	-							
29	20	CONV RECEP	2#12-#12G	3/4	0.72				0.72	3/4	2#12-#12G
31	20	DISPLAY RECEP	2#12-#12G	3/4	0.54				0.54	3/4	2#12-#12G
33	20	DATA RACK	2#12-#12G	3/4	1.00				1.00	3/4	2#12-#12G
35	20	REFRIGERATOR	2#12-#12G	3/4	0.50				0.50	3/4	2#12-#12G
37	20	PANTRY GFI	2#12-#12G	3/4	0.50				0.50	3/4	2#12-#12G
39	20	GFI BATHROOM	2#12-#12G	3/4	0.50				0.50	3/4	2#12-#12G
41	20	CORR RECEP	2#12-#12G	3/4	0.20				0.20	3/4	2#12-#12G
43	20	LIGHTING	2#12-#12G	3/4	0.60				0.60	3/4	2#12-#12G
45	20	PROJECTOR	2#12-#12G	3/4	1.00				1.00	3/4	2#12-#12G
47	20	SPARE	-	-					0.50	3/4	2#12-#12G
49	2				0.80				0.20	3/4	2#12-#12G
51	20	ERV-2	2#12-#12G	3/4	0.80				0.20	3/4	2#12-#12G
53	20	SPARE	-	-					0.50	3/4	2#12-#12G
SUBTOTALS					4.04	3.50	1.42		3.14	2.90	3.22
TOTAL LOADS					7.2	6.4	4.6				
TOTAL CONN. LOAD					18.2	18.2	51.0				
TOTAL DEMAND LOAD					18.2	18.2	51.0				
LIGHTING					1.90	1.90	5.1				
RECEPTACLE					0.00	0.00	0.00				
KITCHEN					0.00	0.00	0.00				
MOTOR					2.00	2.00	5.1				
POWER					14.32	14.32	39.9				
TOTAL					18.22	18.22	51.0				

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**bga**  
 BARILE GALLAGHER & ASSOCIATES  
 CONSULTING ENGINEERS  
 39 MARBLE AVE. PLEASANTVILLE, NY 10570  
 914.328.6660 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM  
 NY SED PROJECT CONTROL NO.  
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2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS

Sheet Title

**DETAILS & SCHEDULES**

Job No. 2021-1048 Date 09/10/2021  
 Scale AS NOTED Drawn / Checked BGA / BGA  
 Sheet Number **E601**