

CAPITAL IMPROVEMENTS AT
MAMARONECK AVENUE SCHOOL
850 MAMARONECK AVENUE
MAMARONECK, NY 10543

SED #66-07-01-03-0-004-030

Architect / Engineer:


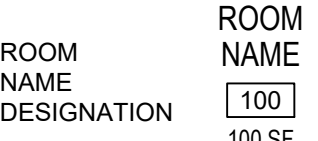

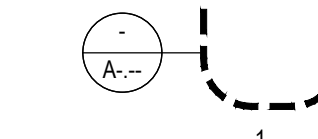


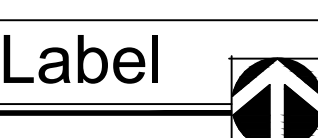
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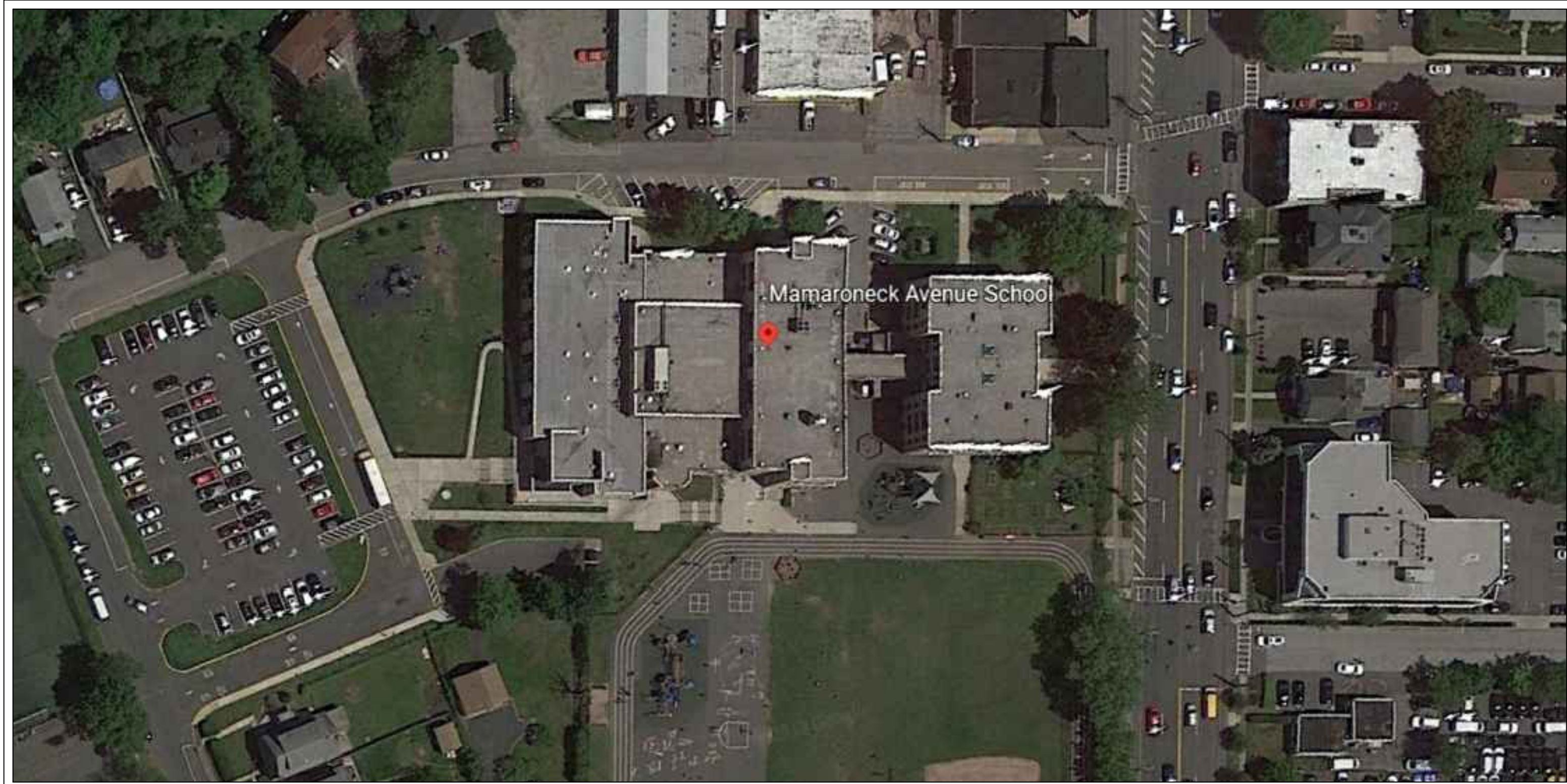
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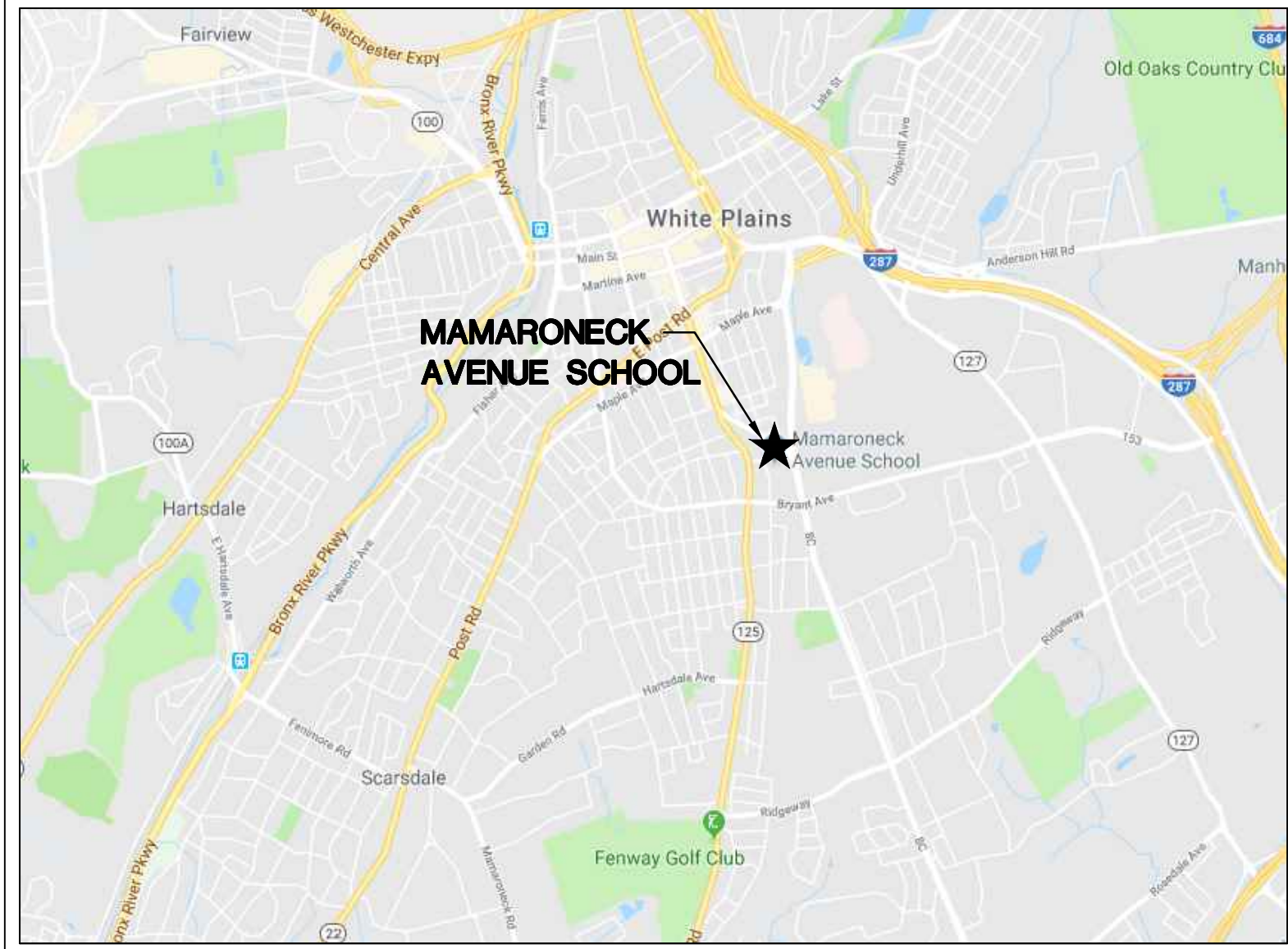
Symbols

GRADE LINE	_____	DOOR TAG	(D01)		REVISION CLOUD W/ TAG
BORDER LINE, OUTLINE	_____	WINDOW TAG	(W1)		
FIRE SEPARATION WALL SMOKE COMPARTMENT	-----	CEILING TAG	(CT-1)		ROOM NAME DESIGNATION
CENTER LINE	-----	PLUMBING TAG	(P-1)		
OBJECT LINE	_____	EQUIPMENT TAG	(E11)		ROOM NAME 100 SF
ELEVATION LINE	EL. X'-X" T.O. XXX	WALL TAG	(A)		
MATCH LINE	PROPOSED EXISTING	DEMOLITION NOTE	(1)		BLOW UP PLAN DESIGNATION
HIDDEN LINE	-----	CONSTRUCTION NOTE	(1)		
BREAK LINE	-----	SLOPE DESIGNATIONS	12 1/8"12		INTERIOR ELEVATION
BREAK LINE (PIPE)	-----	ADA SYMBOL	(1)		
FRAMING DESIGNATION	2x10 F.J. @ 16" O.C.	SECTION MARK	(1) A2.01		SECTION MARK
DIMENSION LINE	-----				
COLUMN LINE	(C1)				Drawing Label

Aerial View



Location Map



General Notes

1. ALL WORK SHALL CONFORM TO THE 2015 INTERNATIONAL BUILDING CODE AND ALL OTHER APPLICABLE CODES, ORDINANCES, ETC. FOR NEW YORK STATE AND THE LOCAL AUTHORITY HAVING JURISDICTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH THE EXISTING CONDITIONS AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS AND COMMENCING WORK.
3. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND ADDRESS ALL QUESTIONS TO ARCHITECT PRIOR TO COMMENCING WORK.
4. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL NOTES OR DIMENSIONED INFORMATION TAKES PRECEDENCE OVER THE DRAWING.
5. IN ALL CASES WHERE A CONFLICT MAY OCCUR SUCH AS BETWEEN ITEMS COVERED BY SPECIFICATIONS, NOTES ON THE DRAWINGS, OR BETWEEN GENERAL NOTES AND SPECIFIC DETAILS, THE ARCHITECT SHALL BE NOTIFIED AND WILL INTERPRET THE INTENT OF THE CONTRACT DOCUMENTS.
6. DETAILS NOTED AS "TYPICAL" (TYP.) SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE.
7. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL AND SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION.
8. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENT SHALL APPLY. CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONNEL OR STRUCTURES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION METHODS, PROCEDURES AND JOB SITE CONDITIONS INCLUDING SAFETY. CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER TO PROTECT WORKMEN, OCCUPANTS AND THE PUBLIC TO BE PROTECTED FROM INJURY AND ADJOINING PROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, UNDERPINNING OR OTHER APPROVED METHOD. THE CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION. THE DUST RESULTING FROM REMOVALS SHALL BE CONTROLLED SO AS TO PREVENT ITS SPREAD TO OCCUPIED PORTIONS OF THE BUILDING AND TO AVOID CREATION OF A NUISANCE IN THE SURROUNDING AREA.
11. CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM THEIR OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OFF SITE IN AN APPROVED MANNER UPON COMPLETION OF WORK. ANY EXTRA BUILDING MATERIALS SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AS DIRECTED. THE OWNER SHALL BE CONSULTED PRIOR TO DISPOSAL OF SALVAGED OR EXCESS MATERIALS AT PROJECT COMPLETION. THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
13. ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
14. CONTRACTOR SHALL COORDINATE SCHEDULING OF WORK WITH THE OWNER'S REQUIREMENTS AND SCHEDULE. CONSTRUCTION ACTIVITIES SHALL COMPLY WITH LOCAL NOISE ORDINANCES REQUIREMENTS.
15. CONTRACTOR SHALL FURNISH ALL EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT OF ANY UTILITIES ENCOUNTERED DURING THE COURSE OF THEIR WORK AND TO ENSURE THE OWNER'S FACILITY TO BE OPERATIONAL. IF REQUIRED, THE CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO ALL UTILITIES AND PUBLIC FACILITIES INCLUDING FIRE HYDRANTS, FIRE ALARM BOXES, POLICE CALL BOXES, STREET LIGHTS, MANHOLES, AMONG OTHERS DURING DEMOLITION AND CONSTRUCTION.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING UPON COMPLETION OF WORK.
18. THE CONTRACTOR SHALL SUBMIT WHERE REQUIRED, SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL PRIOR TO THE START OF FABRICATION OR PURCHASE OF THOSE ITEMS.
19. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ARCHITECT WITH CERTIFICATES OF INSURANCE, AS SPELLED OUT IN THE SPECIFICATIONS, PRIOR TO STARTING THE WORK.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING STRUCTURES AS NEEDED TO COMPLETE THE NEW WORK.
21. ALL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE HANDLED AND INSTALLED IN ACCORDANCE WITH EACH MANUFACTURER'S SPECIFIC INSTRUCTIONS AND RECOMMENDATIONS. WHERE BRAND NAMES AND MANUFACTURED PRODUCTS ARE CALLED FOR, APPROVED EQUALS WHICH MEET APPLICABLE STANDARDS AND SPECIFICATIONS MAY BE SUBSTITUTED WITH WRITTEN PERMISSION OF THE ARCHITECT AND THE OWNER. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE KIND AND EQUAL QUALITY.
22. ALL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING BY THE ARCHITECT AND THE OWNER PRIOR TO ANY CHANGES BEING MADE.
23. THE ARCHITECT AND THE OWNER HAVE THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS POORLY INSTALLED, DOES NOT MEET INDUSTRY STANDARD, UNAUTHORIZED OR WORK DONE CONTRARY TO THE INTENT OF THE CONTRACT DOCUMENTS. SUCH WORK SHALL BE REPLACED, REPAIRED OR REMOVED AT THE CONTRACTOR'S EXPENSE.
24. THE CONTRACTOR SHALL GUARANTEE ALL OF THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS FOR A PERIOD ONE YEAR AFTER RECEIVING FINAL ACCEPTANCE AND DO ALL REPAIR WORK AND REPLACEMENT AS NECESSARY DURING THAT PERIOD AT THE CONTRACTOR'S EXPENSE.
25. IN NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER.
26. THE CONTRACTOR SHALL PROVIDE SAFE AND SANITARY CONDITIONS WHERE DEMOLITION AND WRECKING OPERATIONS ARE BEING CARRIED ON. WORK SHALL BE EXECUTED IN SUCH A MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DANGER TO HEALTH AND CONDITIONS WHICH MAY CONSTITUTE A PUBLIC NUISANCE SHALL BE MINIMIZED.
27. THE ARCHITECT WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS AS WELL AS FAILURE TO OBTAIN AND/OR FOLLOW THE ARCHITECT'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
28. COLOR, FINISHING & TEXTURE OF ALL FINISH MATERIALS, WHERE NOT INDICATED ON THE DRAWINGS, SHALL BE SELECTED BY OWNER.
29. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AND THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, AND NFPA 70.
30. CONTRACTORS OR ANY SUBCONTRACTORS PERFORMING WORK UNDER THIS CONTRACT SHALL CARRY LIABILITY AND PROPERTY DAMAGE INSURANCE AGAINST ACCIDENTS OF ALL KINDS AND SHALL FURNISH OWNER WITH CERTIFICATE OF INSURANCE.
31. ALL WORK IN THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS EXISTING.
32. WHERE SPECIFIC PRODUCTS OR MANUFACTURERS ARE INDICATED, IT IS TO BE UNDERSTOOD THAT THIS IS CONSIDERED THE BASIS OF DESIGN, AND "EQUALS" WILL BE APPROVED BY THE ARCHITECT OR ENGINEER UPON SATISFACTORY EVIDENCE THAT THE SUBSTITUTION MEETS OR EXCEEDS THE BASIS OF DESIGN.

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CA0.11	PROPOSED LOWER LEVEL EGRESS PLAN
CA0.12	PROPOSED FIRST FLOOR EGRESS PLAN
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CA0.14	PROPOSED THIRD FLOOR EGRESS PLAN
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Date	1/10/20
Checked	MJM
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Revisions:	ISSUE TO BO
#	11/23/20

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TITLE SHEET & GENERAL NOTES	2019 BOND REFUNDING
MAMARONECK AVENUE ELEMENTARY SCHOOL	
MAMARONECK UNION FREE SCHOOL DISTRICT	
850 MAMARONECK AVENUE, MAMARONECK, NY 10543	
Job No. 4,1092.72.2	
File No. 10927202T001	

T0.01

NYSED PROJECT # 66-07-01-03-0-004-030

Code Analysis

<p>2015 International Existing Building Code (as adopted by New York State)</p> <p>2015 International Building Code (as adopted by New York State)</p> <p>2015 International Mechanical Code (as adopted by New York State)</p> <p>2015 International Plumbing Code (as adopted by New York State)</p> <p>2015 Energy Conservation Code (as adopted by New York State)</p> <p>1998 NYSED Manual of Planning Standards</p> <p>National Electric Code (NEC)</p> <p>National Fire Protection Association (NFPA)</p> <p>ICC/ANSI A117.1 - 2009 American National Standard</p> <p>2015 International Existing Building Code (as adopted by New York State)</p> <p>Chapter 5 Classification of Work</p> <p>Section 504 Alteration-Level 2</p> <p>504.1 Scope</p> <p>Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.</p> <p>504.2 Application</p> <p>Level 2 alterations shall comply with the provisions of Chapter 7 for Level 1 alterations as well as the provisions of Chapter 8.</p> <p>Chapter 7 Alterations - Level 1</p> <p>Section 701 General</p> <p>701.1 Scope</p> <p>Level 1 alterations as described in Section 503 shall comply with the requirements of this chapter. Level 1 alterations to historic buildings shall comply with this chapter, except as modified in Chapter 12.</p> <p>Section 702 Building Elements and Materials</p> <p>702.1 Interior Finishes</p> <p>All newly installed interior wall and ceiling finishes shall comply with Chapter 8 of the International Building Code.</p> <p>702.2 Interior Floor Finish</p> <p>New interior floor finish, including new carpeting used as an interior floor finish material, shall comply with Section 804 of the International Building Code.</p> <p>702.3 Interior Trim</p> <p>All newly installed interior trim materials shall comply with Section 806 of the International Building Code.</p> <p>702.6 Materials and Methods</p> <p>All new work shall comply with the materials and methods requirements in the International Building Code, International Energy Conservation Code, International Mechanical Code, and International Plumbing Code, as applicable, that specify material standards, detail of installation and connection, joints, penetrations, and continuity of any element, component, or system in the building.</p> <p>Section 703 Fire Protection</p> <p>703.1 General</p> <p>Alterations shall be done in a manner that maintains the level of fire protection provided.</p> <p>Section 704 Means of Egress</p> <p>704.1 General</p> <p>Alterations shall be done in a manner that maintains the level of protection provided for the means of egress.</p> <p>Section 705 Accessibility</p> <p>705.1 General</p> <p>A facility that is altered shall comply with the applicable provisions in Sections 705.1.1 through 705.1.14, and Chapter 11 of the International Building Code unless it is technically infeasible. Where compliance with this section is technically infeasible, the alteration shall provide access to the maximum extent that is technically feasible.</p> <p>Chapter 8 Alterations - Level 2</p> <p>Section 801 General</p> <p>801.1 Scope</p> <p>Level 2 alterations as described in Section 504 shall comply with the requirements of this chapter.</p> <p>801.2 Alteration Level 1 Compliance</p> <p>In addition to the requirements of this chapter, all work shall comply with the requirements of Chapter 7.</p> <p>803.4 Interior Finish</p> <p>The interior finish of walls and ceilings in exits and corridors in any work area shall comply with the requirements of the International Building Code.</p> <p>Section 804 Fire Protection</p> <p>804.1 Scope</p> <p>The requirements of this section shall be limited to work areas in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work area.</p> <p>804.1.1 Corridor Ratings</p> <p>Where an approved automatic sprinkler system is installed throughout the story, the required fire-resistance rating for any corridor located on the story shall be permitted to be reduced in accordance with the International Building Code. In order to be considered for a corridor rating reduction, such system shall provide coverage for the stairway landings serving the floor and the intermediate landings immediately below.</p> <p>804.2 Automatic Sprinkler Systems</p> <p>Automatic sprinkler systems shall be provided in accordance with the requirements of Sections 804.2.1 through 804.2.5. Installation requirements shall be in accordance with the International Building Code.</p> <p>804.2.2 Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2</p> <p>In buildings with occupancies in Groups A, B, E, F-1, H, I, M, R-1, R-2, R-4, S-1 and S-2, work areas that have exits or corridors shared by more than one tenant or that have exits or corridors serving an occupant load greater than 30 shall be provided with automatic sprinkler protection where all of the following conditions occur:</p> <ol style="list-style-type: none"> The work area is required to be provided with automatic sprinkler protection in accordance with the International Building Code as applicable to new construction; and The work area exceeds 50 percent of the floor area. <p>Exception: If the building does not have sufficient municipal water supply for design of a fire sprinkler system available to the floor without installation of a new fire pump, work areas shall be protected by an automatic smoke detection system throughout all occupiable spaces other than sleeping units or individual dwelling units that activates the occupant notification system in accordance with Sections 907.4, 907.5 and 907.6 of the International Building Code.</p> <p>(Note: The work area does <u>not</u> exceed 50% of the floor area.)</p> <p>804.4 Fire Alarm and Detection</p> <p>An approved fire alarm system shall be installed in accordance with Sections 804.4.1 through 804.4.3. Where automatic sprinkler protection is provided in accordance with Section 804.2 and is connected to the building fire alarm system, automatic heat detection shall not be required.</p>	<p>An approved automatic fire detection system shall be installed in accordance with the provisions of this code and NFPA 72. Devices, combinations of devices, appliances, and equipment shall be approved. The automatic fire detectors shall be smoke detectors, except that an approved alternative type of detector shall be installed in spaces such as boiler rooms, where products of combustion are present during normal operation in sufficient quantity to actuate a smoke detector.</p> <p>804.4.1 Occupancy Requirements</p> <p>A fire alarm system shall be installed in accordance with Sections 804.4.1.1 through 804.4.1.7. Existing alarm-notification appliances shall be automatically activated throughout the building. Where the building is not equipped with a fire alarm system, alarm-notification appliances within the work area shall be provided and automatically activated.</p> <p>Exceptions:</p> <ol style="list-style-type: none"> Occupancies with an existing, previously approved fire alarm system. Where selective notification is permitted, alarm-notification appliances shall be automatically activated in the areas selected. <p>804.4.1.1 Group E</p> <p>A fire alarm system shall be installed in work areas of Group E occupancies as required by the International Fire Code for existing Group E occupancies.</p> <p>Chapter 11 Additions</p> <p>Section 1101 General</p> <p>1101.1 Scope</p> <p>An addition to a building or structure shall comply with the International Codes as applicable to new construction without requiring the existing building or structure to comply with any requirements of those codes or of these provisions, except as required by this chapter. Where an addition impacts the existing building or structure, that portion shall comply with this code.</p> <p>1101.2 Creation or Extension of Nonconformity</p> <p>An addition shall not create or extend any nonconformity in the existing building to which the addition is being made with regard to accessibility, structural strength, fire safety, means of egress, or the capacity of mechanical, plumbing, or electrical systems.</p> <p>1101.3 Other Work</p> <p>Any repair or alteration work within an existing building to which an addition is being made shall comply with the applicable requirements for the work as classified in Chapter 5.</p> <p>Section 1102 Heights and Areas</p> <p>1102.1 Height Limitations</p> <p>No addition shall increase the height of an existing building beyond that permitted under the applicable provisions of Chapter 5 of the International Building Code for new buildings.</p> <p>1102.2 Area Limitations</p> <p>No addition shall increase the area of an existing building beyond that permitted under the applicable provisions of Chapter 5 of the International Building Code for new buildings unless fire separation as required by the International Building Code is provided.</p> <p>1102.3 Fire Protection Systems</p> <p>Existing fire areas increased by the addition shall comply with Chapter 9 of the International Building Code.</p> <p>2015 International Building Code (as adopted by New York State)</p> <p>Chapter 3 Use and Occupancy Classification</p> <p>Section 305 Educational Group E</p> <p>Chapter 5 General Building Heights and Areas</p> <p>Section 504 Building Height and Number of Stories</p> <p>Table 504.3 allowable building height in feet above grade plane (Note: see existing / proposed building information below)</p> <p>Table 504.4 allowable number of stories above grade plane (Note: see existing / proposed building information below)</p> <p>Section 506 Building Area</p> <p>Table 506.2 allowable area factor in square feet (Note: see existing / proposed building information below)</p> <p>Mamaroneck Avenue School (MAS) Building (1909) - Type of Construction: IIIB(SM) Occupancy Classification: E Allowable Building Height / Stories: 75'-1", Three-story Existing Building Height / Stories: 57'-1", Four-story, One Basement (Note: no proposed modification to height / stories) Allowable area per floor: 43,500 SF Total allowable area: 130,500 SF Lower Level (Basement): 7,415 SF (Existing) 1st Floor: 7,415 SF (Existing) 2nd Floor: 7,415 SF (Existing) 3rd Floor: 7,415 SF (Existing) Total Area: 22,245 SF (Existing) (Note: Basement areas not included per 506.1.3)</p> <p>Middle Building & Classroom Addition (1929 & 2006) - Type of Construction: IB (NS) Occupancy Classification: E Allowable Building Height / Stories Above Grade: 160', Five-story Existing Building Height / Stories: 57'-1", Four-Story, One Basement Allowable area per floor: Unlimited Total allowable area: Unlimited Basement: 6,643 SF (Existing) Lower Level 28,994 SF (Existing); 1,826 SF (Proposed Addition) 30,820 SF (Total Lower Level) 1st Floor: 28,994 SF (Existing); 1,826 SF (Proposed Addition) 30,820 SF (Total 1st Floor) 2nd Floor: 13,465 SF (Existing); 1,863 SF (Proposed Addition) 15,328 SF (Total 2nd Floor) 3rd Floor: 8,445 SF (Existing); 1,863 SF (Proposed Addition) 10,308 SF (Total 3rd Floor) Total Area: 79,898 SF (Existing); 7,378 SF (Proposed Addition) 87,276 SF (Total) (Note: Basement areas not included per 506.1.3)</p> <p>Chapter 6 Types of Construction</p> <p>Table 601 Fire-resistance Rating Requirements For Building Elements (Hours)</p> <p>Type of Construction: IIIB(SM) Primary structural frame: 2 Bearing walls (Exterior): 2 Bearing walls (Interior): 0 Nonbearing walls and partitions (Exterior) (Per Table 602): Occupancy group: E X < 5': 1 5' ≤ X < 10': 1 10' ≤ X < 30': 1 X ≥ 30': 0 Nonbearing walls and partitions (Interior): 0 Floor construction and associated secondary members: 0 Roof construction and associated secondary members: 0</p> <p>Type of Construction: IIB(NS) Primary structural frame: 2 or 1 (where supporting a roof only) Bearing walls (Exterior): 2 Bearing walls (Interior): 2 or 1 (where supporting a roof only)</p>	<p>Nonbearing walls and partitions (Exterior) (Per Table 602): Occupancy group: E X < 5': 1 5' ≤ X < 10': 1 10' ≤ X < 30': 1 X ≥ 30': 0 Nonbearing walls and partitions (Interior): 0 Floor construction and associated secondary members: 2 Roof construction and associated secondary members: 1 or 0 (where every part of the roof construction is 20 feet or more above any floor immediately below)</p> <p>Chapter 7 Fire and Smoke Protection Features</p> <p>Section 703 Fire-Resistance Ratings and Fire Tests</p> <p>703.2 Fire-Resistance Ratings</p> <p>The fire-resistance rating of building elements, components or assemblies shall be determined in accordance with the test procedures set forth in ASTM E119 or UL 263 or in accordance with Section 703.3. The fire-resistance rating of penetrations and fire-resistant joint systems shall be determined in accordance Sections 714 and 715, respectively.</p> <p>703.6 Fire-Resistance-Rated Glazing</p> <p>Fire-resistance-rated glazing, when tested in accordance with ASTM E119 or UL 263 and complying with the requirements of Section 707, shall be permitted. Fire-resistance-rated glazing shall bear a label marked in accordance with Table 716.3 issued by an agency and shall be permanently identified on the glazing.</p> <p>Section 705 Exterior Walls</p> <p>705.5 Fire-Resistance Ratings</p> <p>Exterior walls shall be fire-resistance-rated in accordance with Tables 601 and 602 and this section. The required fire-resistance rating of exterior walls with a fire separation distance of greater than 10 feet (3048 mm) shall be rated for exposure to fire from the inside. The required fire-resistance rating of exterior walls with a fire separation distance of less than or equal to 10 feet (3048 mm) shall be rated for exposure to fire from both sides.</p> <p>Table 705.8 Maximum Area of Exterior Wall Openings Based on Fire Separation Distance and Degree of Opening Protection</p> <p>Fire separation distance (feet): 0 to less than 3 Unprotected, Nonsprinklered: Not Permitted Unprotected, Sprinklered: Not Permitted Protected: Not Permitted</p> <p>Fire separation distance (feet): 3 to less than 5 Unprotected, Nonsprinklered: Not Permitted Unprotected, Sprinklered: 15% Protected: 15%</p> <p>Fire separation distance (feet): 5 to less than 10 Unprotected</p>
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Revisions:  ISSUE TO BID 11/23/20	
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CODE ANALYSIS 2019 BOND REFERENDUM MAMARONECK AVENUE ELEMENTARY SCHOOL MAMARONECK UNION FREE SCHOOL DISTRICT 850 MAMARONECK AVENUE, MAMARONECK, NY 10543	
JOB NO. 4.1092.72.2 File No. 10927203CA001	
CA0.01	

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<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; font-size: 1.2em;">MICHAEL J. McGOVERN, R.A.</div> <div style="text-align: center;"> <p>REGISTERED ARCHITECT</p> <p>License No. 022257-1</p> </div> </div>					
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<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>CODE ANALYSIS PLANS</p> <p>2019 BOND REFERENDUM</p> <p>MAMARONECK UNION ELEMENTARY SCHOOL</p> <p>MAMARONECK UNION FREE SCHOOL DISTRICT</p> <p>850 MAMARONECK AVENUE, MAMARONECK, NY 10543</p> </div> <div style="width: 60%;"> <p>Job No. 4.1092.72.2</p> <p>File No. 10927203CA001</p> </div> </div>					
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File No. 10927203CA001

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Symbol Legend	
*ERW	EXISTING RESCUE WINDOW
*NRW	NEW RESCUE WINDOW
	Denotes ADA Accessible Entrance
 FEC	Denotes Existing Fire Extinguisher Cabinet
 HOSE	Denotes Existing Fire Hose Reel
	Denotes New Semi-Recessed Fire Extinguisher Cabinet
	Area of Temporary Occupation

Code Analysis

PER THE 2015 INTERNATIONAL BUILDING CODE (IBC) U.N.O.

USE GROUP CLASSIFICATION "E": EDUCATIONAL

OCCUPANT LOAD

SECTION 1004.1.2 - AREAS WITHOUT FIXED SEATING

OCCUPANCY LOADS WERE CALCULATED USING THE MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT AS INDICATED IN TABLE 1004.1.2.

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

STORAGE & MECHANICAL ROOMS	300 GROSS
ASSEMBLY:	
ASSEMBLY WITH FIXED SEATS	SECTION 1004.4
CONCENTRATED (CHAIRS ONLY)	7 NET
STANDING SPACE	5 NET
UNCONCENTRATED (TABLES & CHAIRS)	15 NET
BUSINESS AREAS (OFFICES)	100 GROSS
EDUCATIONAL:	
CLASSROOMS	20 NET
SHOPS OR VOCATIONAL ROOMS	50 NET
EXERCISE ROOMS	50 GROSS
LIBRARY	200 GROSS
READING ROOM	50 NET
STACKS	100 GROSS
LOCKER ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

SECTION 1004.4 - FIXED SEATING

FOR AREAS HAVING FIXED SEATS AND AISLES, THE OCCUPANT LOAD SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN.

MEANS OF EGRESS SIZING

SECTION 1005

1005.3 REQUIRED CAPACITY BASED ON OCCUPANT LOAD

1005.3.1 STAIRWAYS

CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH STAIRWAYS BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.3 INCH PER OCCUPANT.

1005.3.2 OTHER EGRESS COMPONENTS

MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY EACH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT.

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS

SECTION 1006

1006.2 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE.

TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1

"E" OCCUPANCY:
49 MAX OCCUPANT LOAD
75 MAX COMMON PATH OF EGRESS TRAVEL DISTANCE

EXIT ACCESS

SECTION 1016

1016.2 EGRESS THROUGH INTERVENING SPACE

EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER.

EGRESS SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, CLOSETS OR SPACES USED FOR SIMILAR PURPOSES.

EXIT ACCESS TRAVEL DISTANCE

SECTION 1017

"E" OCCUPANCY:
NOT TO EXCEED 200 FEET WITHOUT SPRINKLER SYSTEM

CORRIDORS

SECTION 1020

1020.1 CORRIDOR FIRE-RESISTANCE RATING:
"E" OCCUPANCY
1 HOUR WITHOUT A SPRINKLER SYSTEM

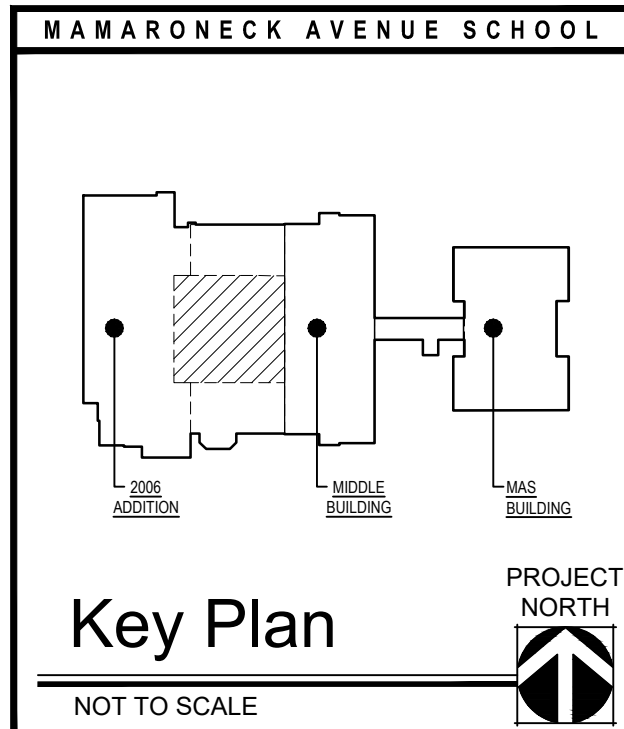
1020.2 MINIMUM CORRIDOR WIDTH

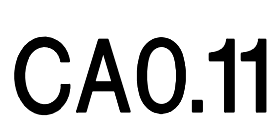
MINIMUM CORRIDOR WIDTH UNLESS OTHERWISE NOTED: 44"
WITH AN OCCUPANT LOAD OF LESS THAN 50: 36"
GROUP "E" WITH A CORRIDOR SERVING MORE THAN 100: 72"

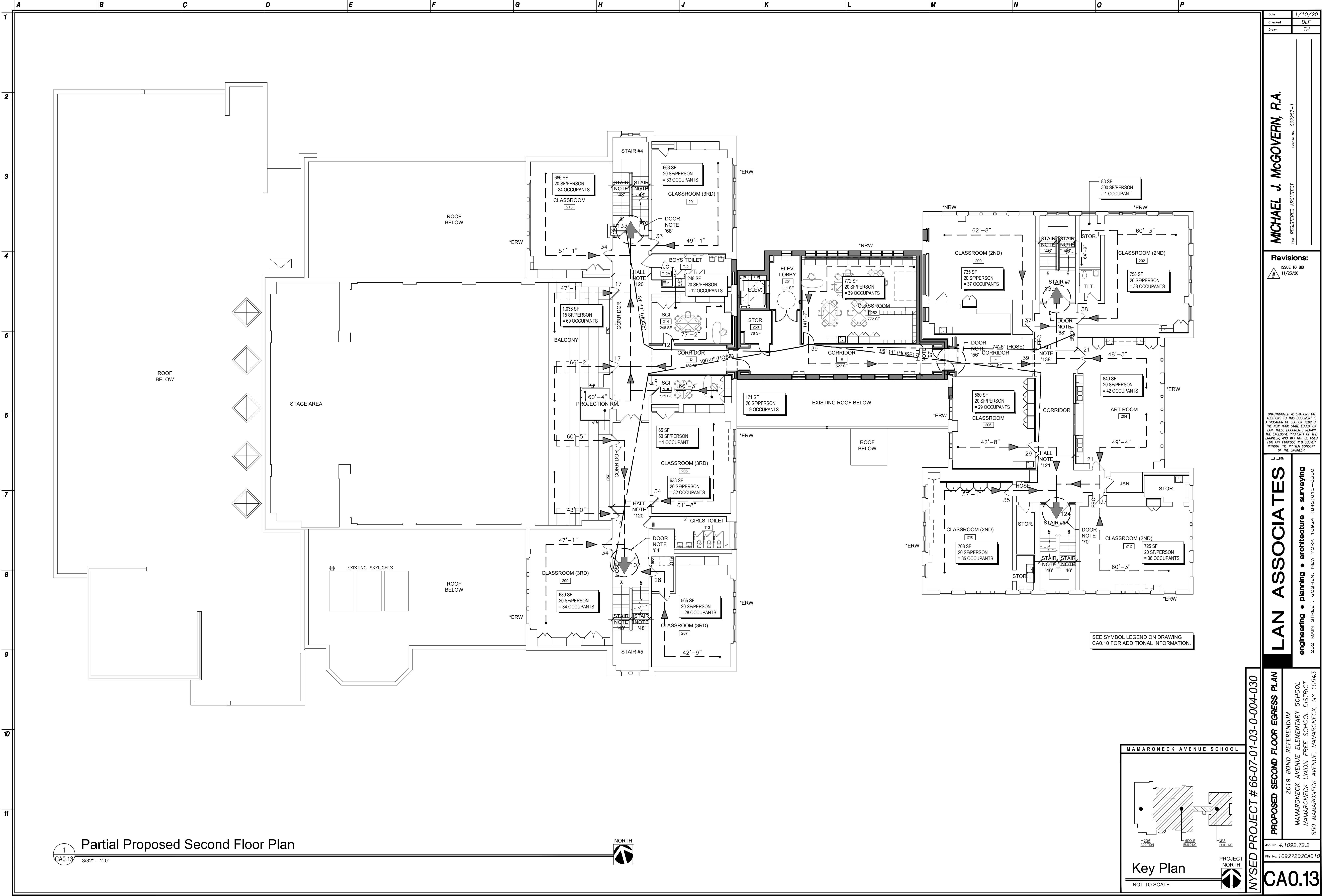
1020.4 DEAD END CORRIDORS
MAX DEAD END CORRIDOR LENGTH = 20'

PER THE 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)

805.6 DEAD END CORRIDORS (ALTERATIONS - LEVEL 2)
MAX DEAD END CORRIDOR LENGTH = 35'







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Revisions:	
#	ISSUE TO BD 11/23/20

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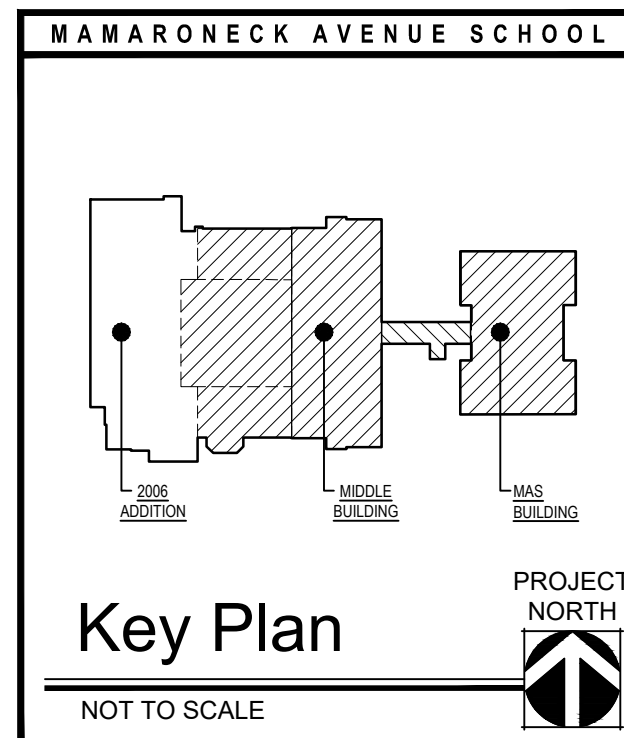
PROPOSED SECOND FLOOR EGRESS PLAN

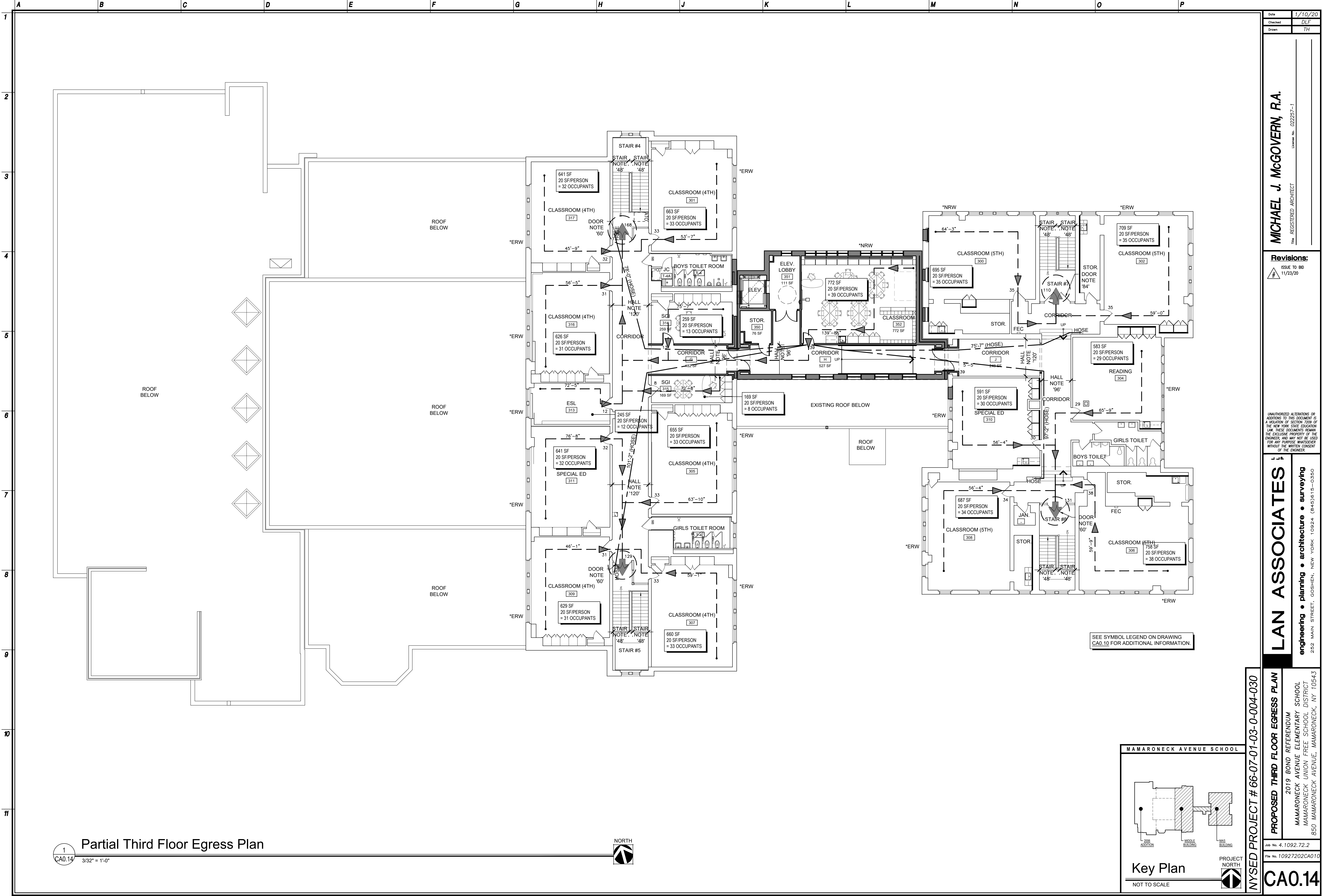
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

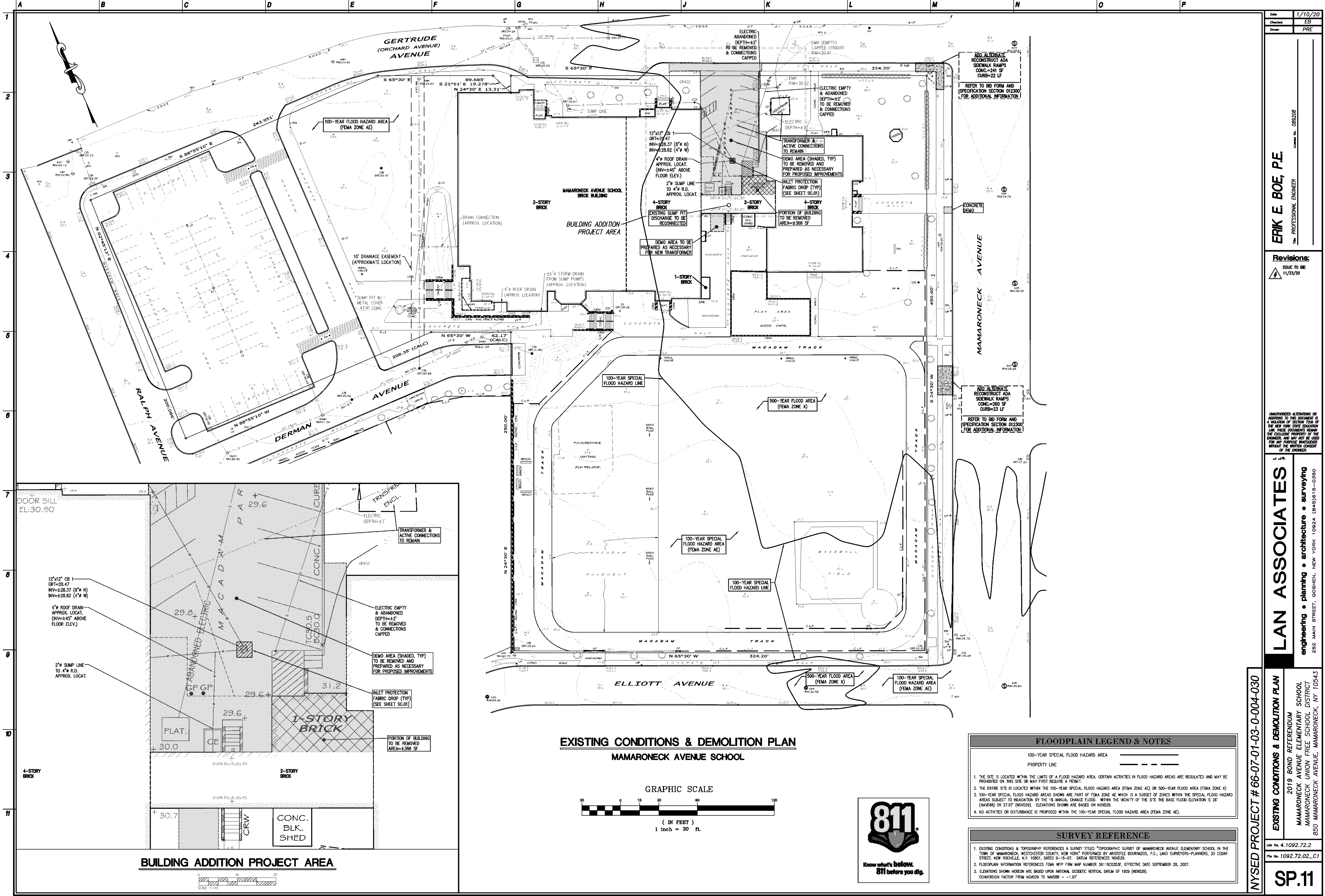
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File No. 10927202CA010

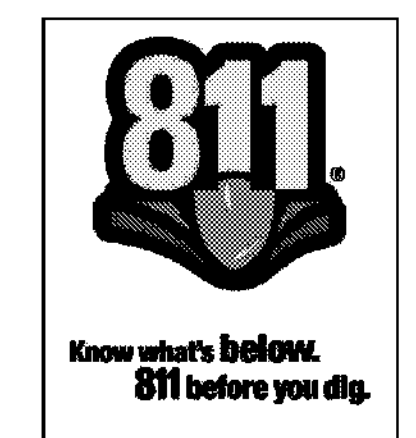
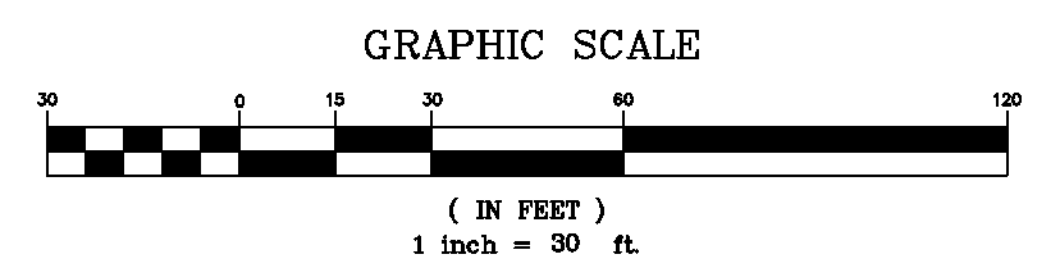
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EXISTING CONDITIONS & DEMOLITION PLAN
MAMARONECK AVENUE SCHOOL



FLOODPLAIN LEGEND & NOTES	
100-YEAR SPECIAL FLOOD HAZARD AREA	---
PROPERTY LINE	---
<p>1. THE SITE IS LOCATED WITHIN THE LIMITS OF A FLOOD HAZARD AREA. CERTAIN ACTIVITIES IN FLOOD HAZARD AREAS ARE REGULATED AND MAY BE PROHIBITED ON THIS SITE OR MAY FIRST REQUIRE A PERMIT.</p> <p>2. THE ENTIRE SITE IS LOCATED WITHIN THE 100-YEAR SPECIAL FLOOD HAZARD AREA (FEMA ZONE AE) OR 500-YEAR FLOOD AREA (FEMA ZONE X).</p> <p>3. 100-YEAR SPECIAL FLOOD HAZARD AREAS SHOWN ARE PART OF FEMA ZONE AE WHICH IS A SUBSET OF ZONES WITHIN THE SPECIAL FLOOD HAZARD AREAS SUBJECT TO MODIFICATION BY THE 1% ANNUAL CHANCE FLOOD. WITHIN THE VICINITY OF THE SITE THE BASE FLOOD ELEVATION IS 28' (NAVD83) OR 27.07' (MOV020). ELEVATIONS SHOWN ARE BASED ON NAVD83.</p> <p>4. NO ACTIVITIES OR DISTURBANCE IS PROPOSED WITHIN THE 100-YEAR SPECIAL FLOOD HAZARD AREA (FEMA ZONE AE).</p>	
SURVEY REFERENCE	
<p>1. EXISTING CONDITIONS & TOPOGRAPHY REFERENCES A SURVEY TITLED "TOPOGRAPHIC SURVEY OF MAMARONECK AVENUE ELEMENTARY SCHOOL IN THE TOWN OF MAMARONECK, WESTCHESTER COUNTY, NEW YORK" PERFORMED BY ARISTOTLE BOURNAZOS, P.C., LAND SURVEYORS-PLANNERS, 20 CEDAR STREET, NEW ROCHELLE, N.Y. 10801, DATED 9-18-07. DATUM REFERENCES NAVD83.</p> <p>2. FLOODPLAIN INFORMATION REFERENCES FEMA WFP FIRM MAP NUMBER 36180033F, EFFECTIVE DATE SEPTEMBER 28, 2007.</p> <p>3. ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC DATUM OF 1929 (NAV829).</p> <p>CONVERSION FACTOR FROM NAV829 TO NAVD83 = -1.07'</p>	

1/10/20
EB
PRE

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PROFESSIONAL ENGINEER
License No. 069208

Revisions:
11/23/20
11/23/20

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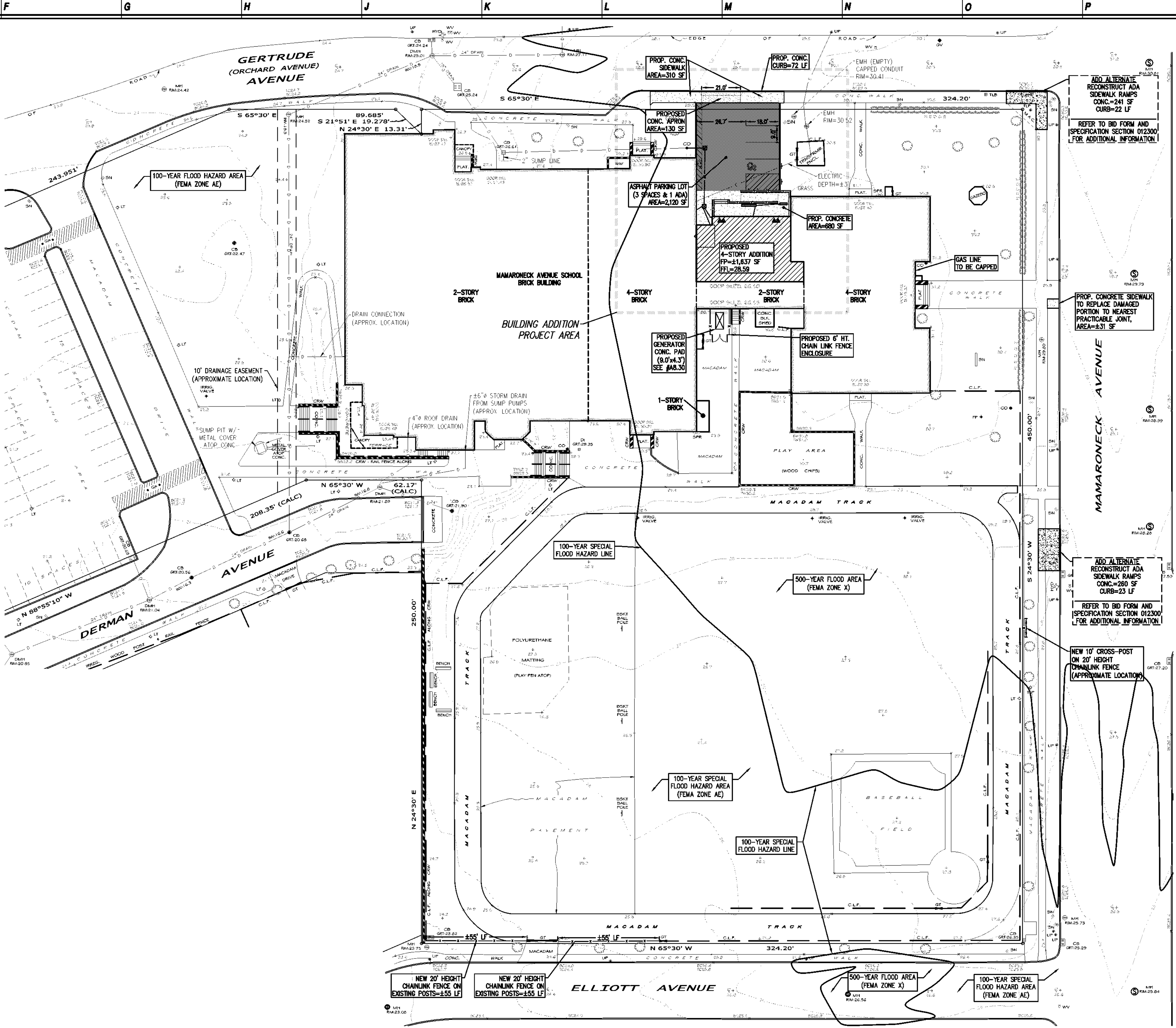
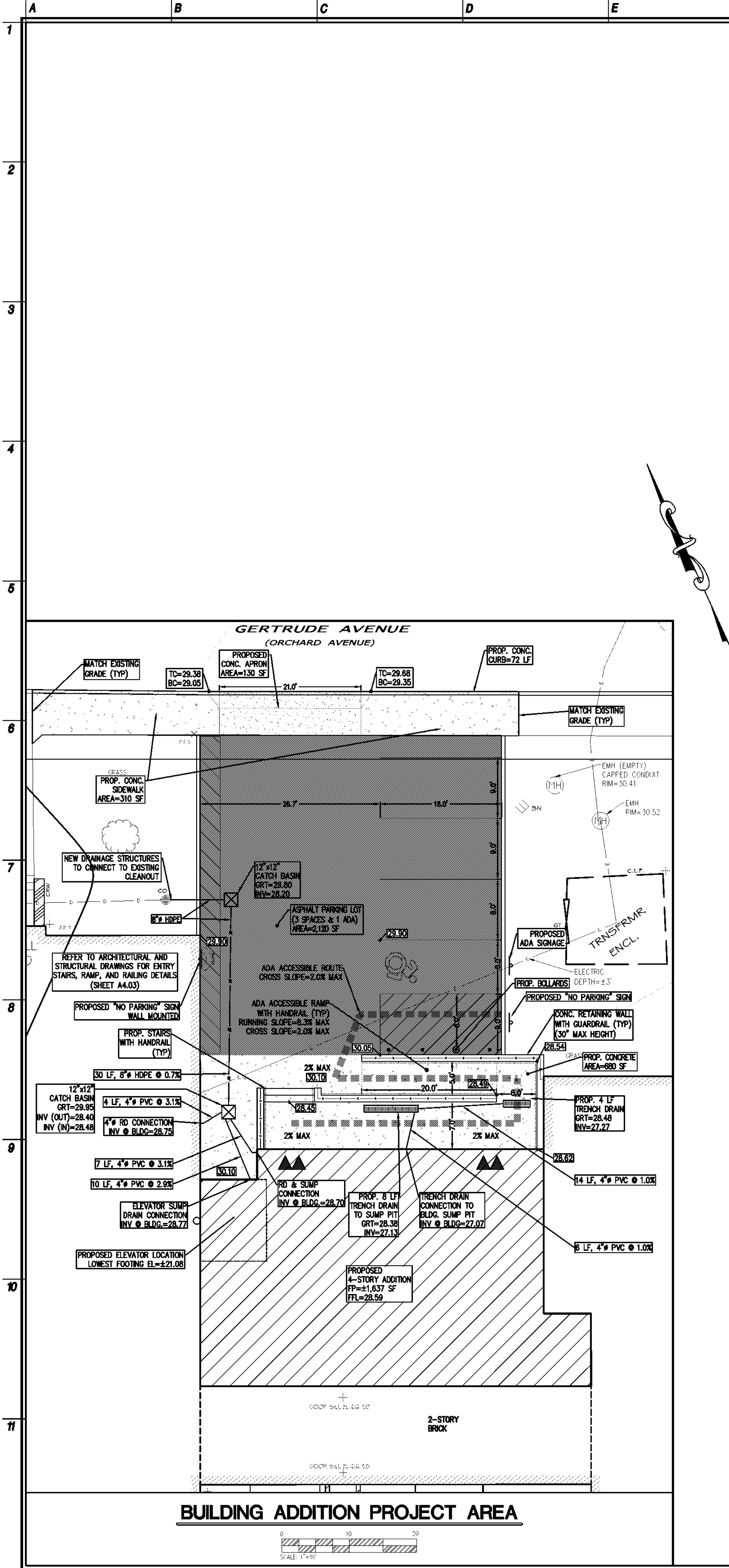
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Job No. 4.1092.72.2
File No. 1092.72.02_C1

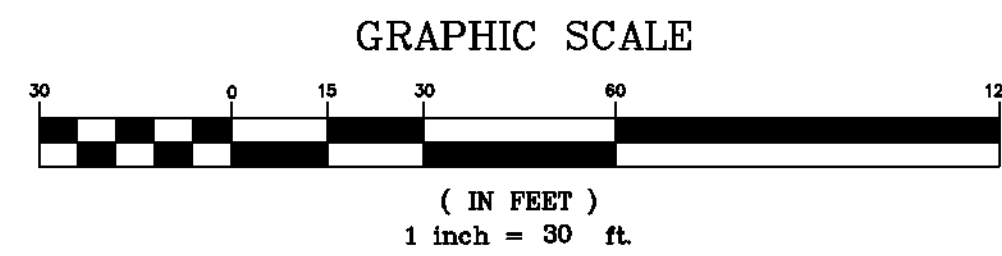
SP.11

EXISTING CONDITIONS & DEMOLITION PLAN
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

NYSED PROJECT # 66-07-01-03-0-004-030

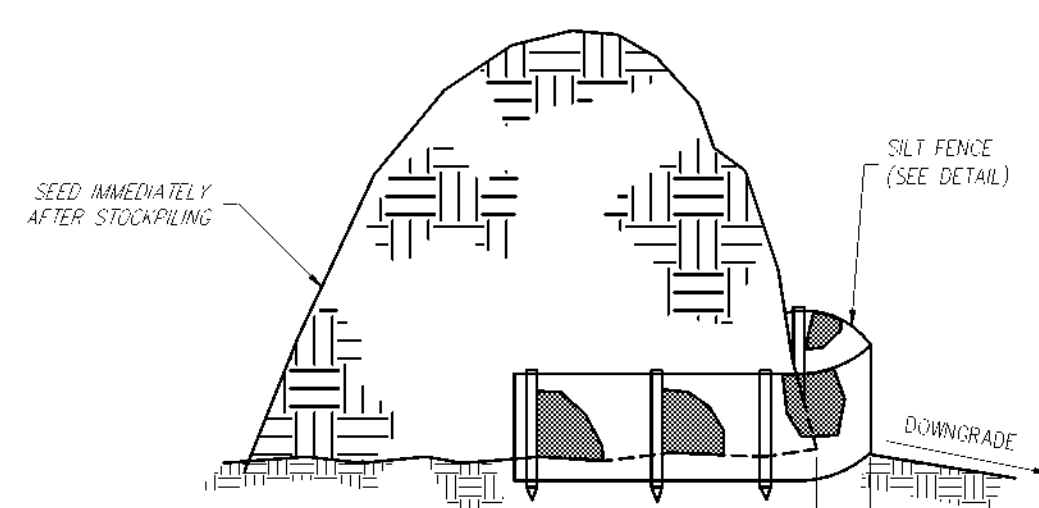


SITE PLAN - PROPOSED BUILDING ADDITION
MAMARONECK AVENUE SCHOOL



GENERAL NOTES
1. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ENTRY STAIRS, RAMP, AND RAILING DETAILS.

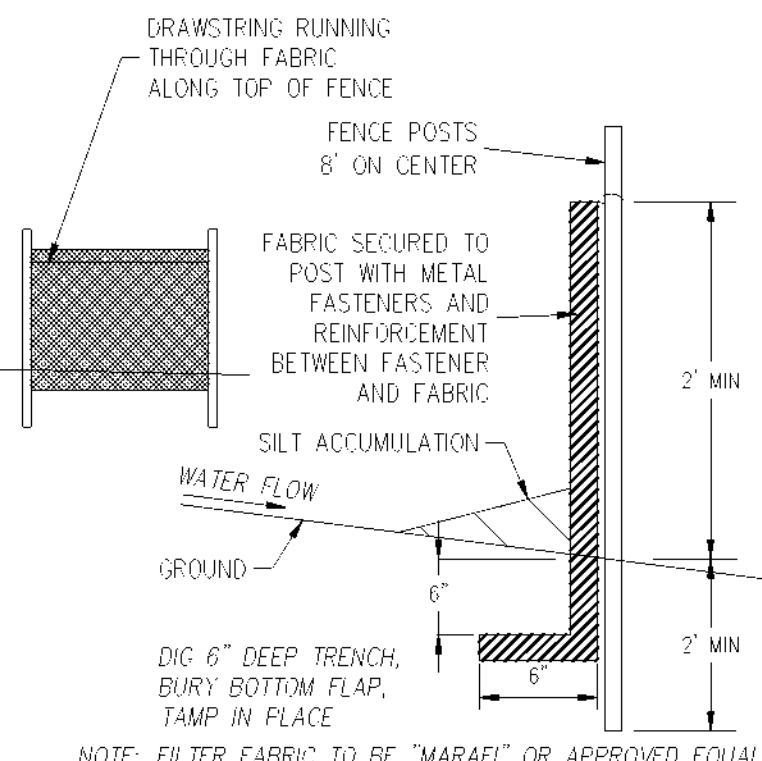
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NYS PROJECT # 66-07-01-03-0-004-030	
SITE PLAN 2019 BOND REFERENDUM MAMARONECK AVENUE ELEMENTARY SCHOOL MAMARONECK UNION FREE SCHOOL DISTRICT 850 MAMARONECK AVENUE, MAMARONECK, NY 10543	
Job No. 4.1092.72.2	File No. 1092.72.02_C1
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1 TYP. TOPSOIL STOCKPILE DETAIL
SC.01 NTA

STANDARD EROSION CONTROL NOTES

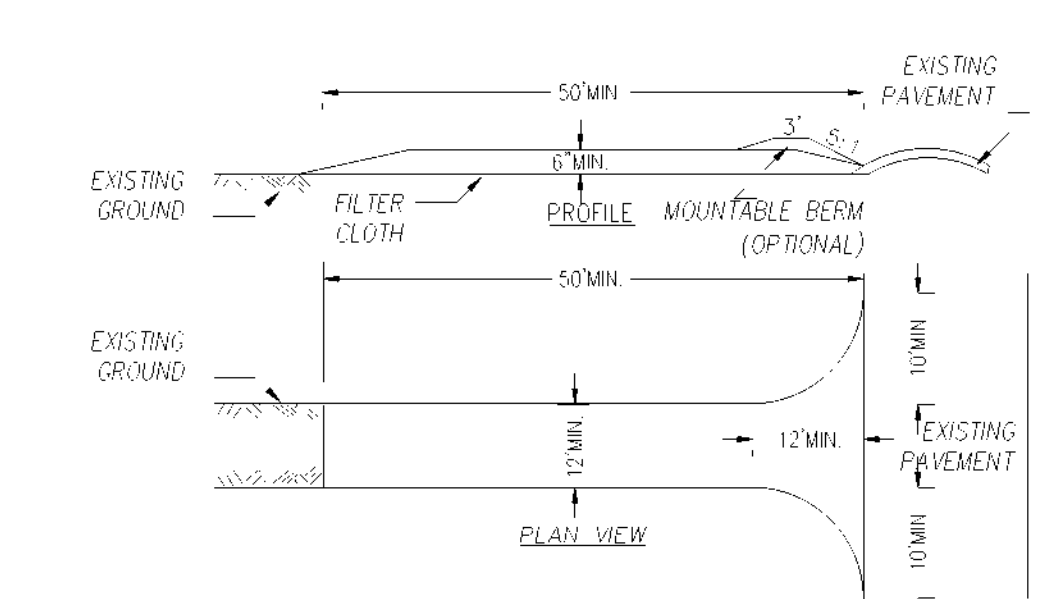
- AN EROSION CONTROL SYSTEM WILL BE UTILIZED BY THE DEVELOPER TO MINIMIZE THE PRODUCTION OF SEDIMENT FROM THE SITE. METHODS TO BE UTILIZED WILL BE THOSE FOUND MOST EFFECTIVE FOR THE SITE AND SHALL INCLUDE ONE OR MORE OF THE FOLLOWING AS APPLICABLE:
1. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED, AND MAINTAINED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."
 2. TEMPORARY SEDIMENTATION ENTRAPMENT AREAS SHALL BE PROVIDED AT THE KEY LOCATIONS TO INTERCEPT AND CLARIFY SILT LADEN RUNOFF FROM THE SITE. THESE MAY BE EXCAVATED OR MAY BE CREATED UTILIZING RIP-RAP OR CRUSHED STONE DAMS, HAY BALES, OR OTHER SUITABLE MATERIALS. DIVERSION DRAINS, BERM, OR OTHER CHANNELIZATION SHALL BE CONSTRUCTED TO INSURE THAT ALL SILT LADEN WATERS ARE DIRECTED INTO ENTRAPMENT AREAS, WHICH SHALL NOT BE PERMITTED TO FILL IN, BUT SHALL BE CLEANED PERIODICALLY DURING THE COURSE OF CONSTRUCTION. THE COLLECTION SILT SHALL BE DEPOSITED IN AREAS SAFE FROM FURTHER EROSION.
 3. ALL DISTURBED AREAS, EXCEPT BROADWAYS, WHICH WILL REMAIN UNFINISHED FOR MORE THAN 30 DAYS SHALL BE TEMPORARILY SEED WITH 1 LB. OF RYE GRASS OR MULCHED WITH 100 LBS. OF STRAW OR HAY PER 1,000 SF. ROADWAYS SHALL BE STABILIZED AS RAPIDLY AS PRACTICABLE BY THE INSTALLATION OF THE BASE COURSE.
 4. SILT THAT LEAVES THE SITE IN SPITE OF THE REQUIRED PRECAUTIONS SHALL BE COLLECTED AND REMOVED AS DIRECTED BY THE APPROPRIATE MUNICIPAL AUTHORITIES.
 5. ALL EROSION AND SEDIMENT CONTROL MEASURES, EXCLUDING CATCH-BASIN MEASURES, SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES AND/OR UTILITIES.
 6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/YO STABILIZED.



2 TYP. SEDIMENT FENCE DETAIL
SC.01 NTA

LAND GRADING CONSTRUCTION SPECIFICATIONS

1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
2. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS."
3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
4. AREAS TO BE FILLED SHALL BE CLEARED, CRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
5. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SACRIFICED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
6. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SURPGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
7. ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
8. EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
9. FROZEN MATERIALS OR SOFT, MUDY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
10. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
11. ALL BERMES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
12. DEEPS OF SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
13. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
14. STOCKPILES, BORROW AREAS AND SOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.
15. CONTRACTOR SHALL LIMIT ACCESS OF HIGH-IMPACT EARTH MOVING EQUIPMENT.
16. CONTRACTOR SHALL NOT OVER-EXCAVATE.
17. CONTRACTOR SHALL USE DE-COMPACTOR PRACTICES TO RESTORE THE SOILS ORIGINAL INFILTRATION PRACTICES.
18. THE CONTRACTOR SHALL CONSTRUCT THE STORMWATER BASINS AND OTHER PERMANENT STORMWATER INFRASTRUCTURE PER THE REQUIREMENTS AND RECOMMENDATIONS WITHIN THE THE NYS DEC STORMWATER DESIGN MANUAL (2015 VERSION).
19. ALL SLOPES CONSTRUCTED WITH FILL MATERIAL SHALL BE TOPSOILED, SEEDDED, MULCHED, AND STABILIZED.
20. ANY AREAS CONSIDERED CRITICAL FOR SEEDING AND STABILIZATION SHALL BE PROTECTED USING EROSION CONTROL MATS.

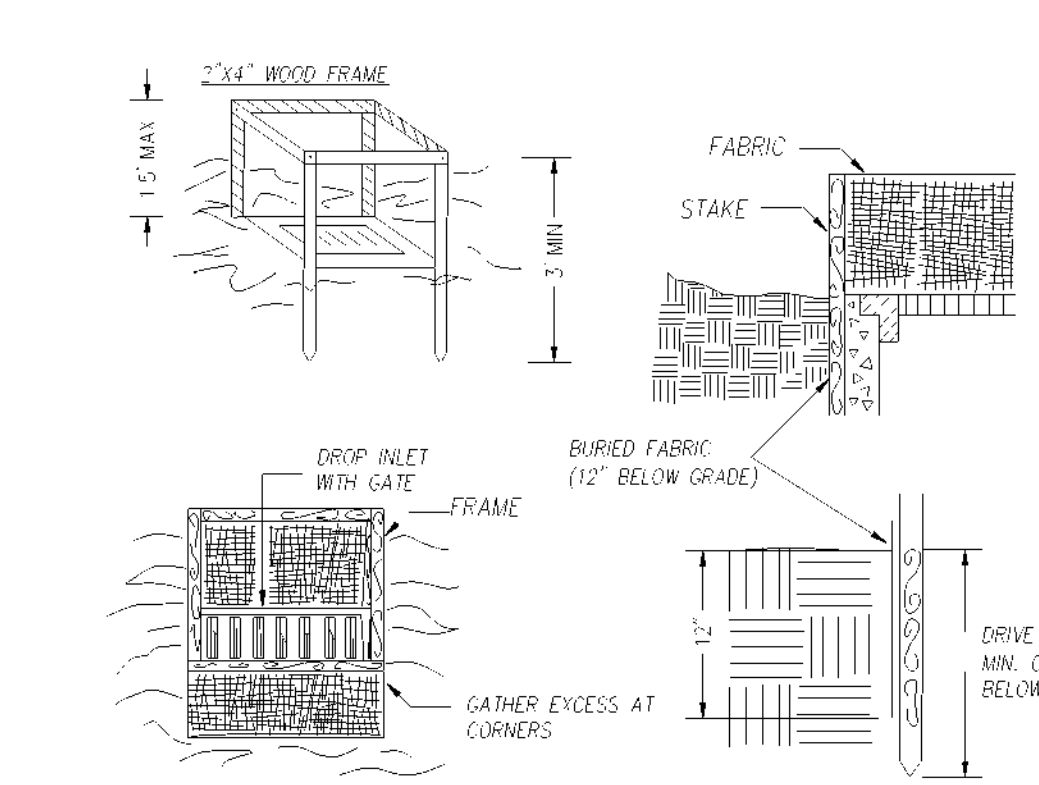


3 TYP. STABILIZED CONSTRUCTION ENTRANCE DETAIL
SC.01 NTA

SEQUENCE OF CONSTRUCTION

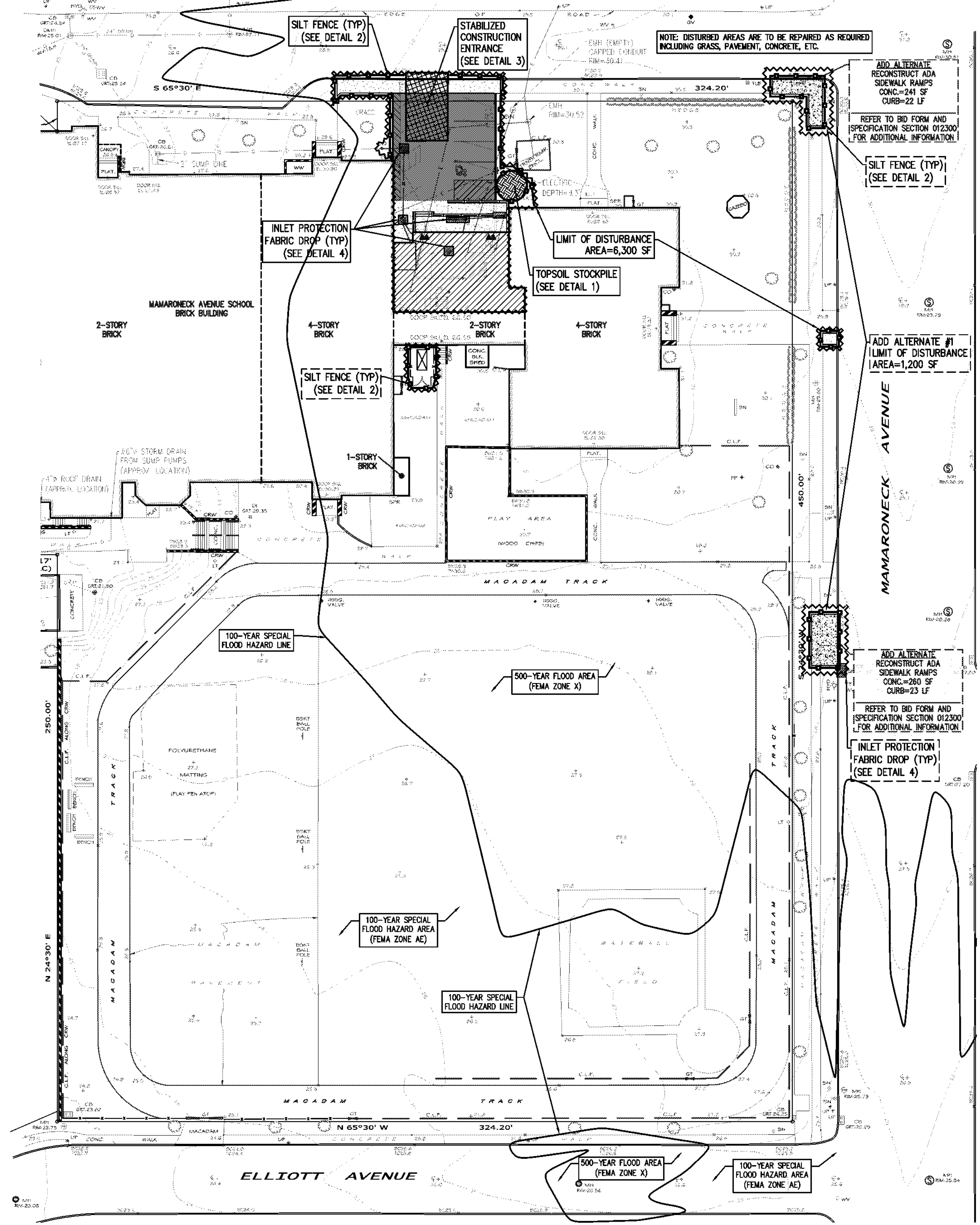
1. AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING TO INCLUDE OWNER, ENGINEER, SCHOOL REPRESENTATIVES & CONTRACTOR.
2. PRIOR TO LAND DISTURBANCE, CONTRACTOR SHALL INSTALL SILT FENCE, INLET PROTECTION AND STABILIZED CONSTRUCTION ENTRANCES (2 WEEKS)
3. DEMOLISH SPECIFIED SITE FEATURES, STRIP STOCKPILE TOPSOIL FROM THE PROPOSED DISTURBED AREA IN DESIGNATED STAGING AREAS (2 WEEKS)
4. ROUGH GRADE - SITE AREAS REMAINING UNDISTURBED FOR 14 DAYS SHALL BE TEMPORARILY STABILIZED (2 WEEKS)
5. CONSTRUCT UTILITIES AND BASE COURSE FOR SITE WORK. (3 WEEKS)
6. CONSTRUCT BUILDING ADDITIONS AND ASSOCIATED IMPROVEMENTS. (6 MONTHS)
7. FINISH GRADE & INSTALL PROPOSED LANDSCAPING (2 WEEKS)
8. FINAL STABILIZATION (TOPSOIL, SEEDING, ETC.) REMOVE ALL TEMPORARY SOIL EROSION & SEDIMENT CONTROL MEASURES (SILT FENCE, INLET PROTECTION, ETC.) AFTER FINAL SITE STABILIZATION IS ACHIEVED (2 WEEKS)
9. TOTAL CONSTRUCTION TIME (9 MONTHS)

4 TYP. FABRIC DROP INLET PROTECTION DETAIL
SC.01 NTA



- CONSTRUCTION SPECIFICATIONS:
1. FABRIC SHALL HAVE AN EDS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
 2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
 3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
 4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPACES GREATER THAN 5 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
 5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
 6. 4" 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

5 TYP. FABRIC DROP INLET PROTECTION DETAIL
SC.01 NTA



LEGEND

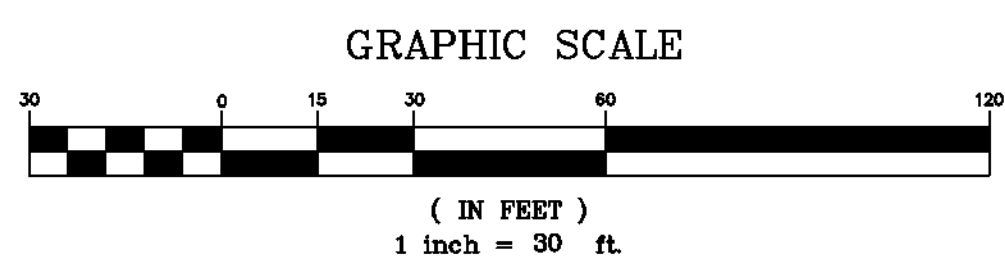
LIMIT OF DISTURBANCE

SILT FENCE

STABILIZED CONSTRUCTION ACCESS

INLET PROTECTION - FABRIC DROP

SOIL EROSION & SEDIMENT CONTROL PLAN
MAMARONECK AVENUE SCHOOL



Date: 1/10/20
Checked: EB
Drawn: PRE

ERIK E. BOE, P.E.
PROFESSIONAL ENGINEER
License No. 069208

Revisions:
11/23/20

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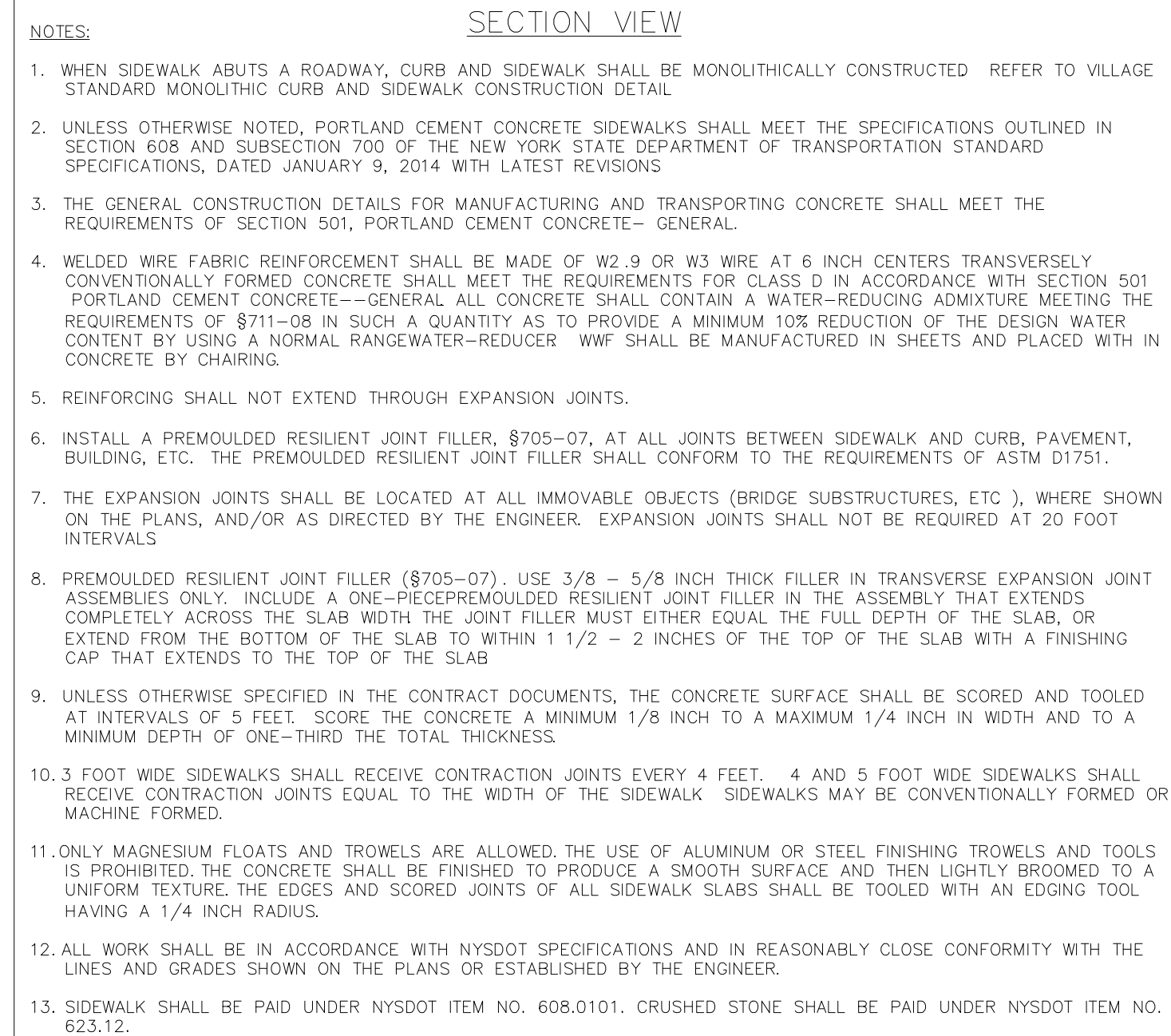
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NYSED PROJECT # 66-07-01-03-0-004-030

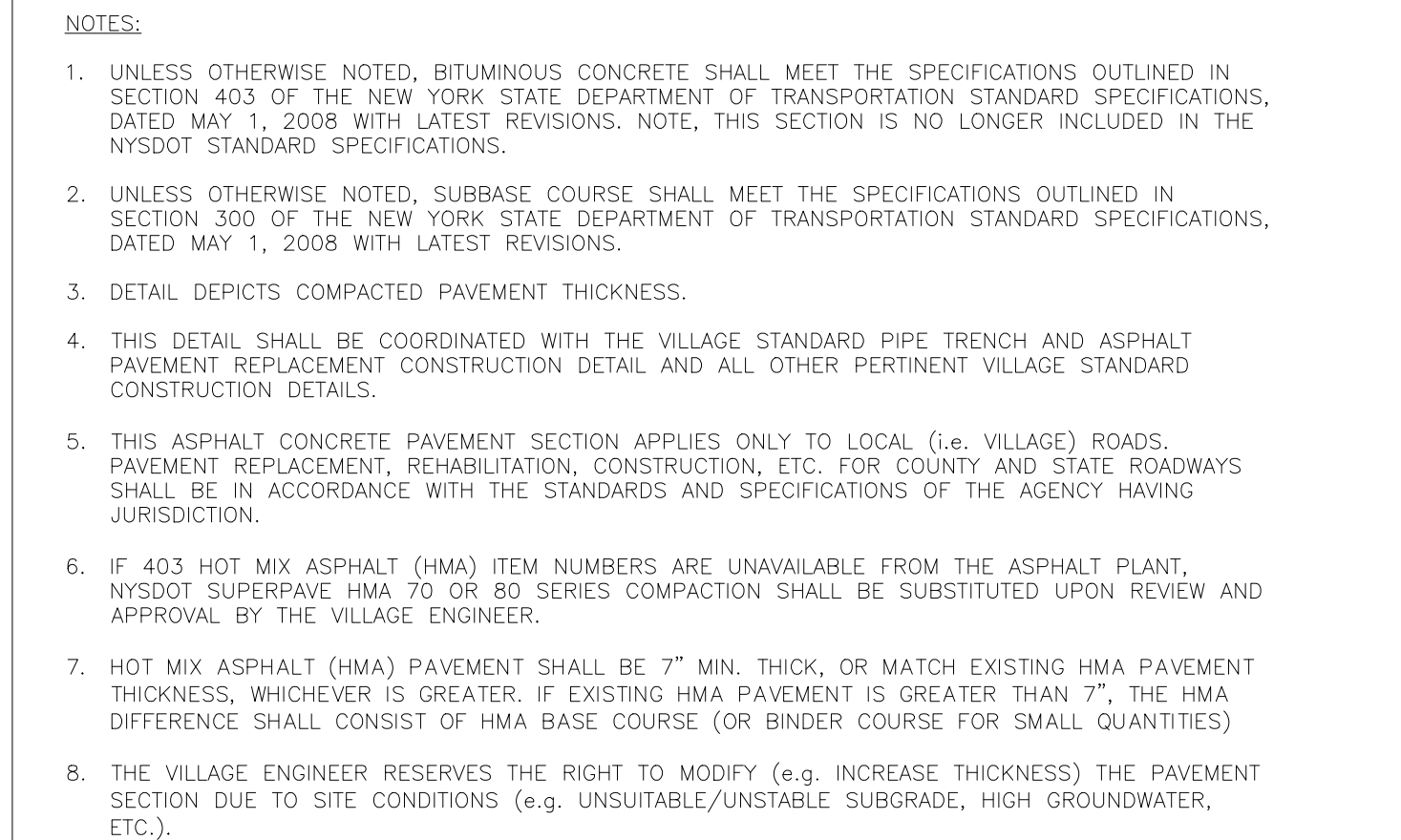
SOIL EROSION & SEDIMENT CONTROL PLAN
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2
File No. 1092.72.02_C1

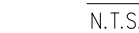
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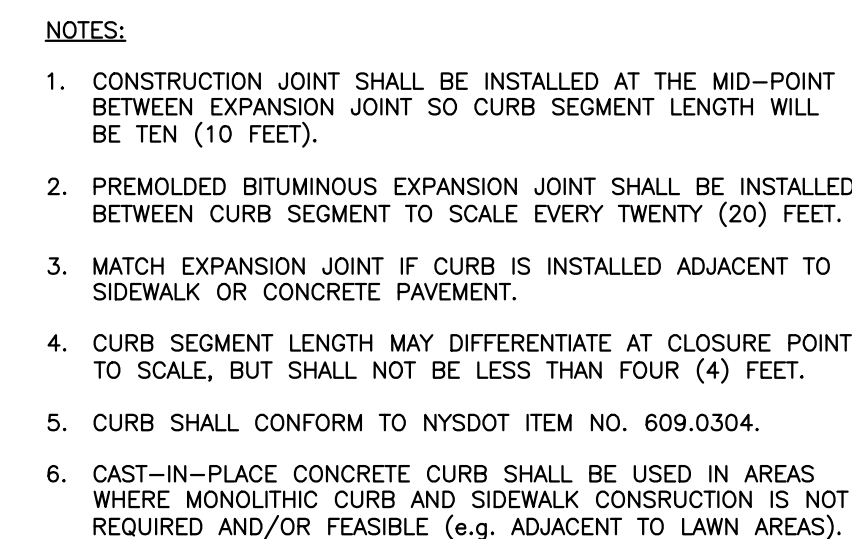
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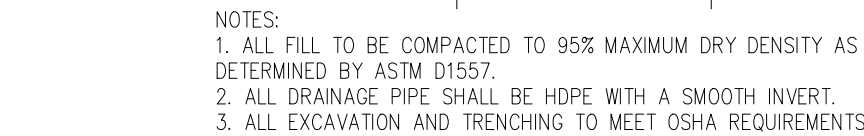
PLAN VIEW



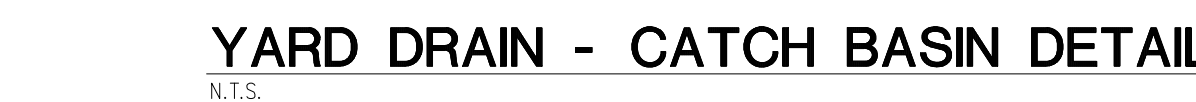
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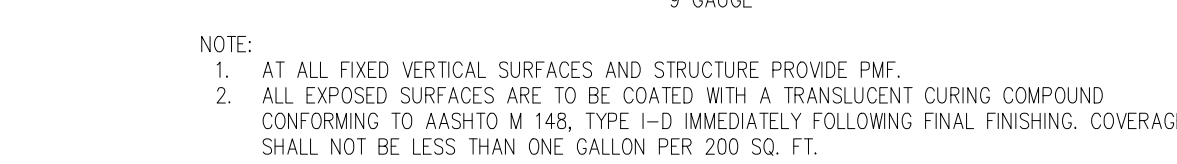
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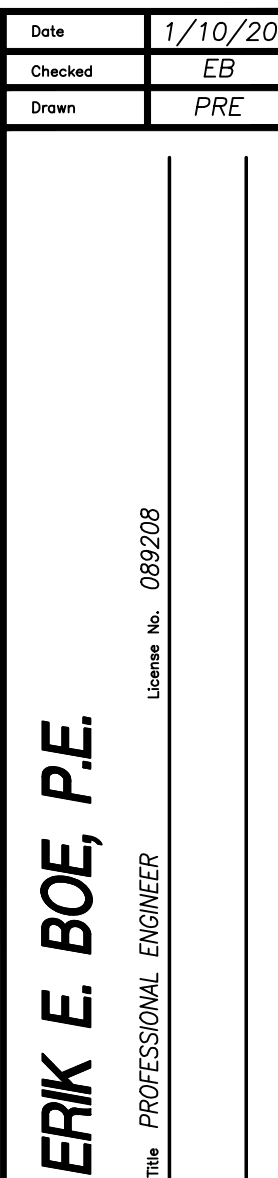
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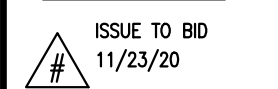
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Revisions:



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CONSTRUCTION DETAILS #1

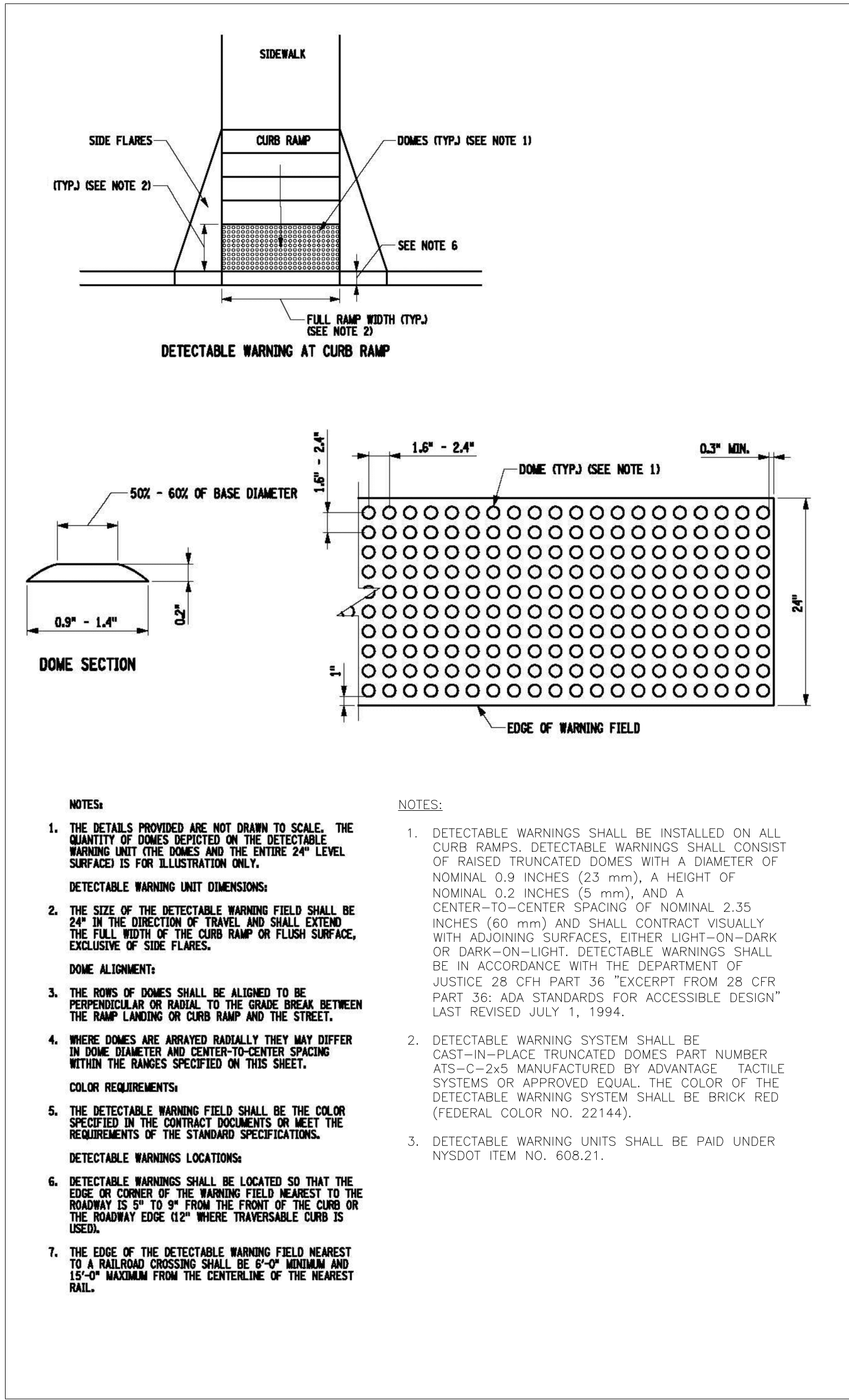
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2019 BOND REFERENDUM	MAMARONECK AVENUE ELEMENTARY SCHOOL MAMARONECK UNION FREE SCHOOL DISTRICT 850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 1092.72.02_C1

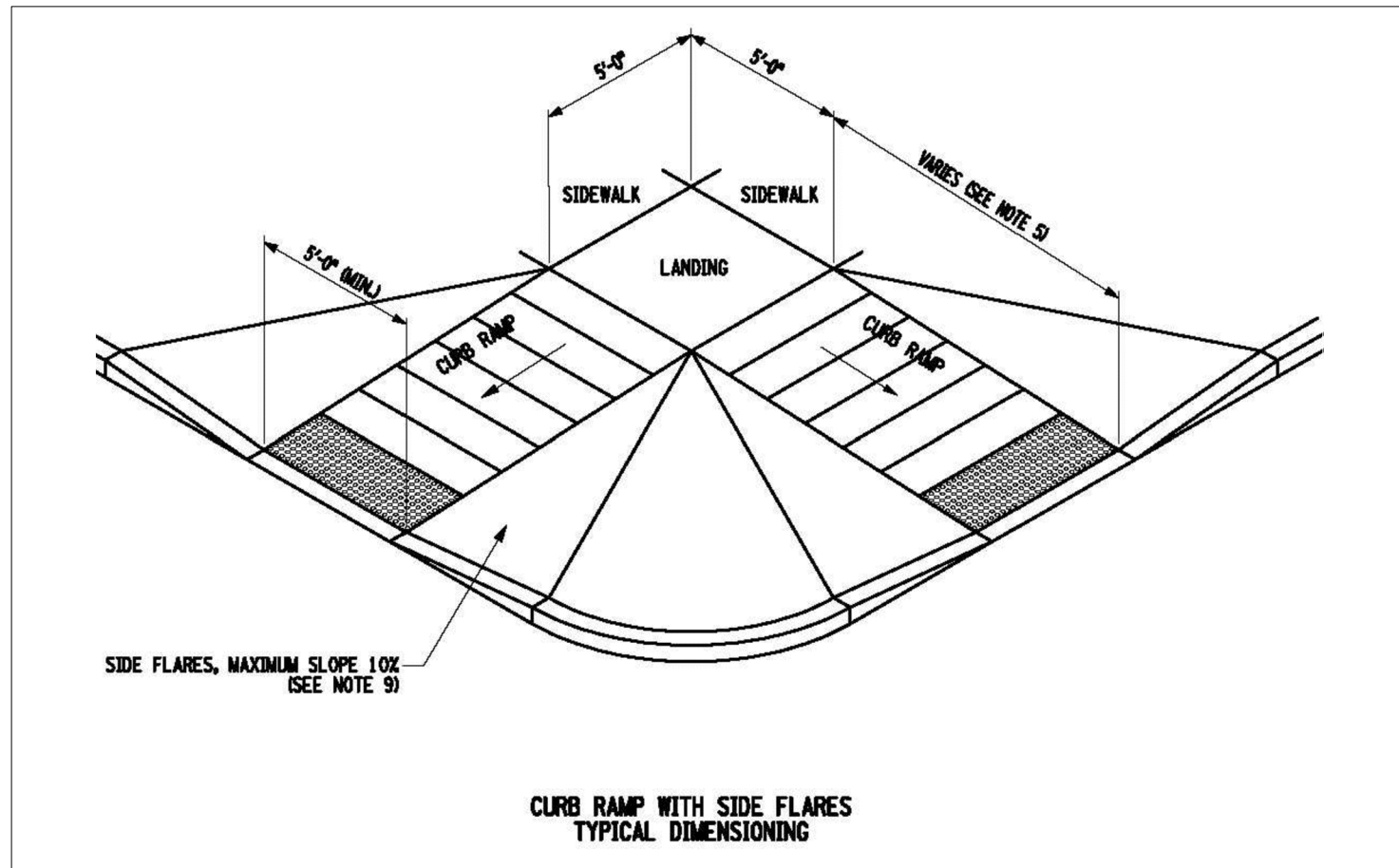
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NYSED PROJECT # 66-07-01-03-0-004-030



TYPICAL ADA PARKING STALL LAYOUT

N.T.S.



SIDEWALK CURB RAMP DETAILS

N.T.S.

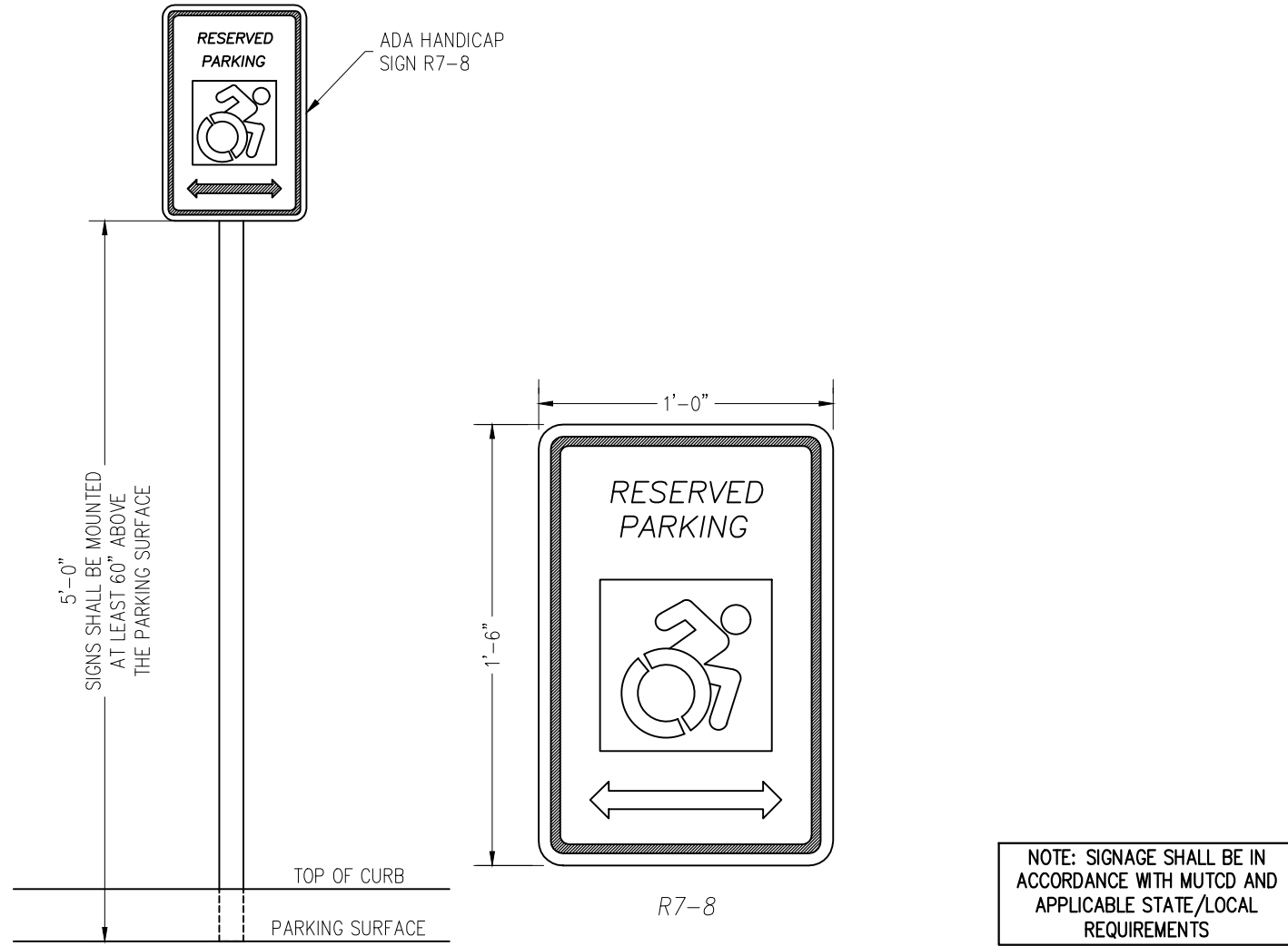


SIDEWALK CURB RAMP NOTES

N.T.S.

TYPICAL ADA SIGNAGE & POST DETAIL

N.T.S.



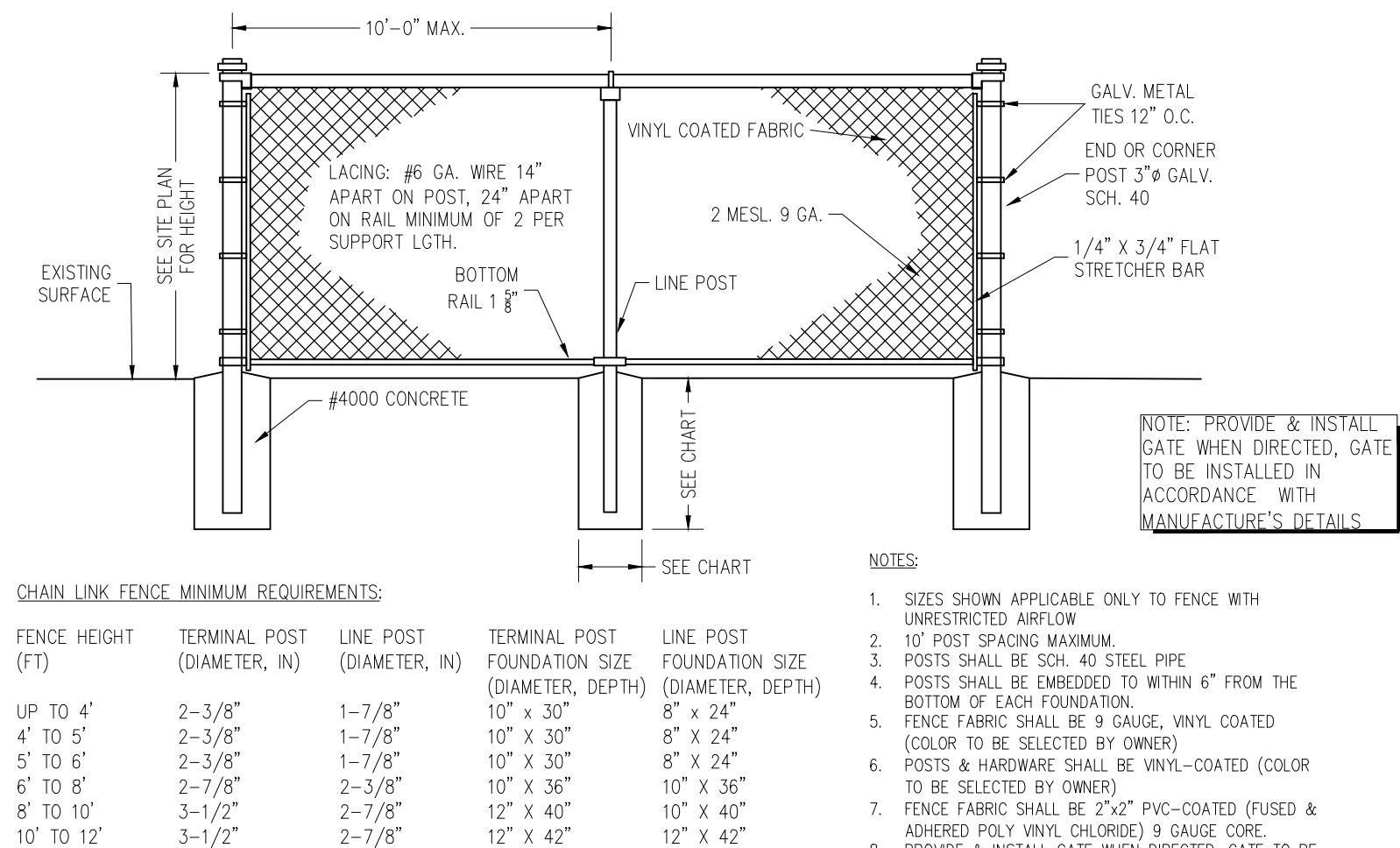
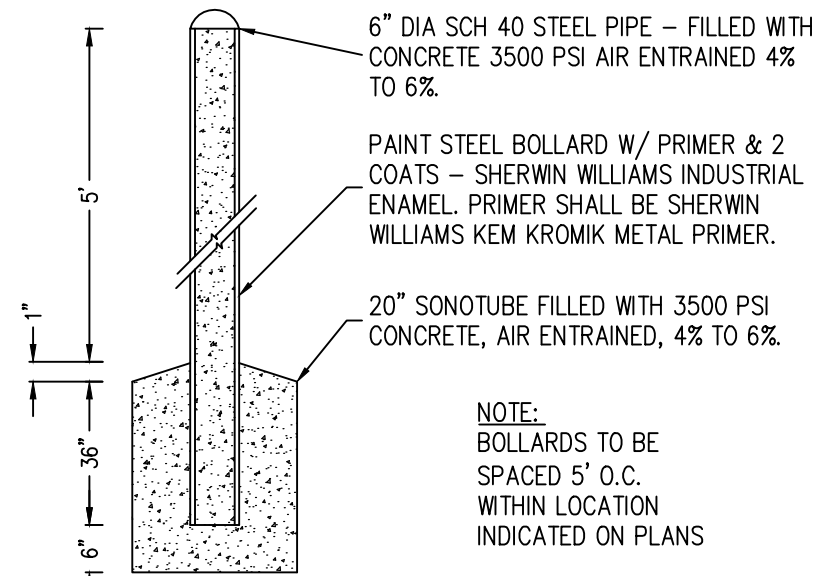
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BOLLARD DETAIL

N.T.S.

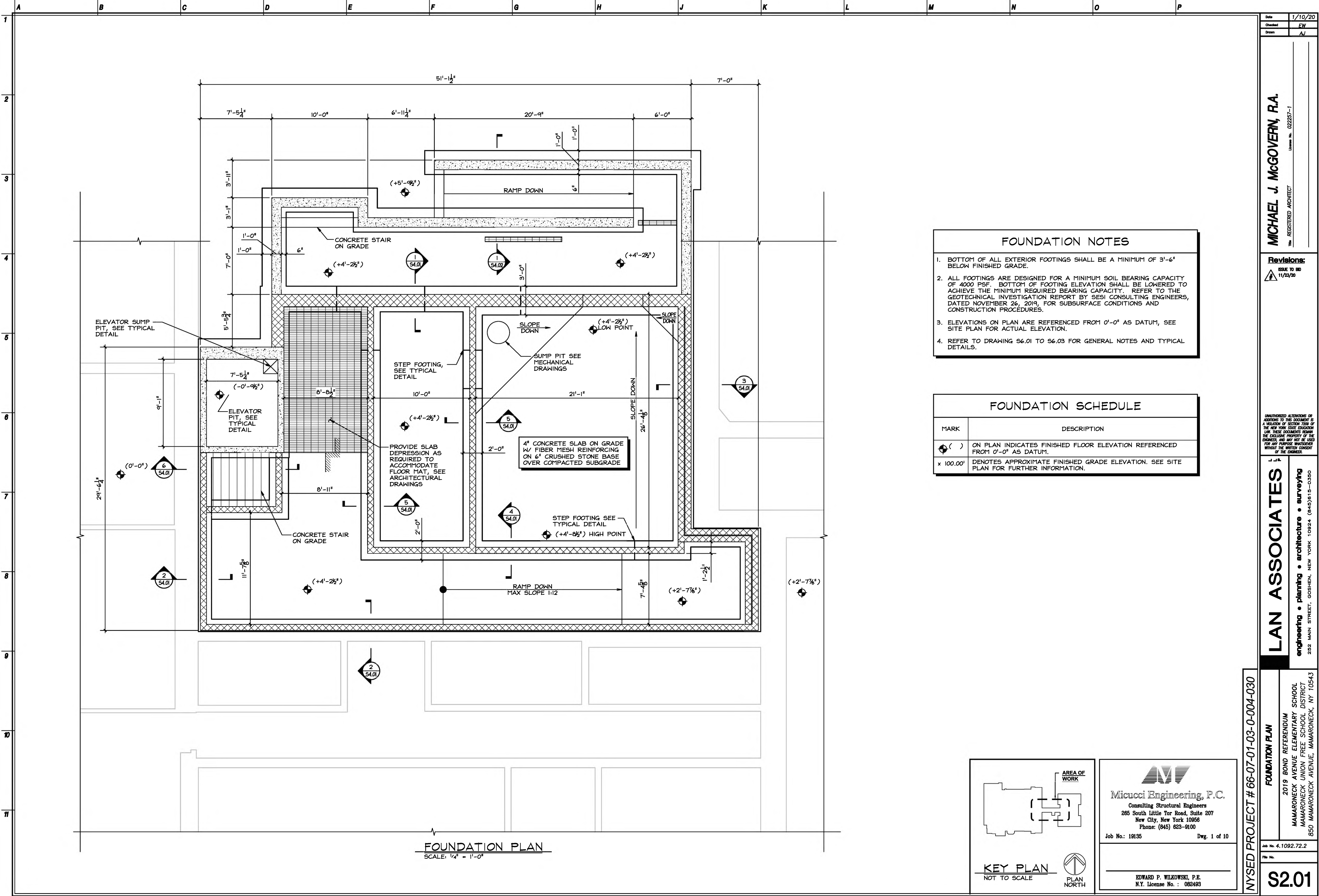


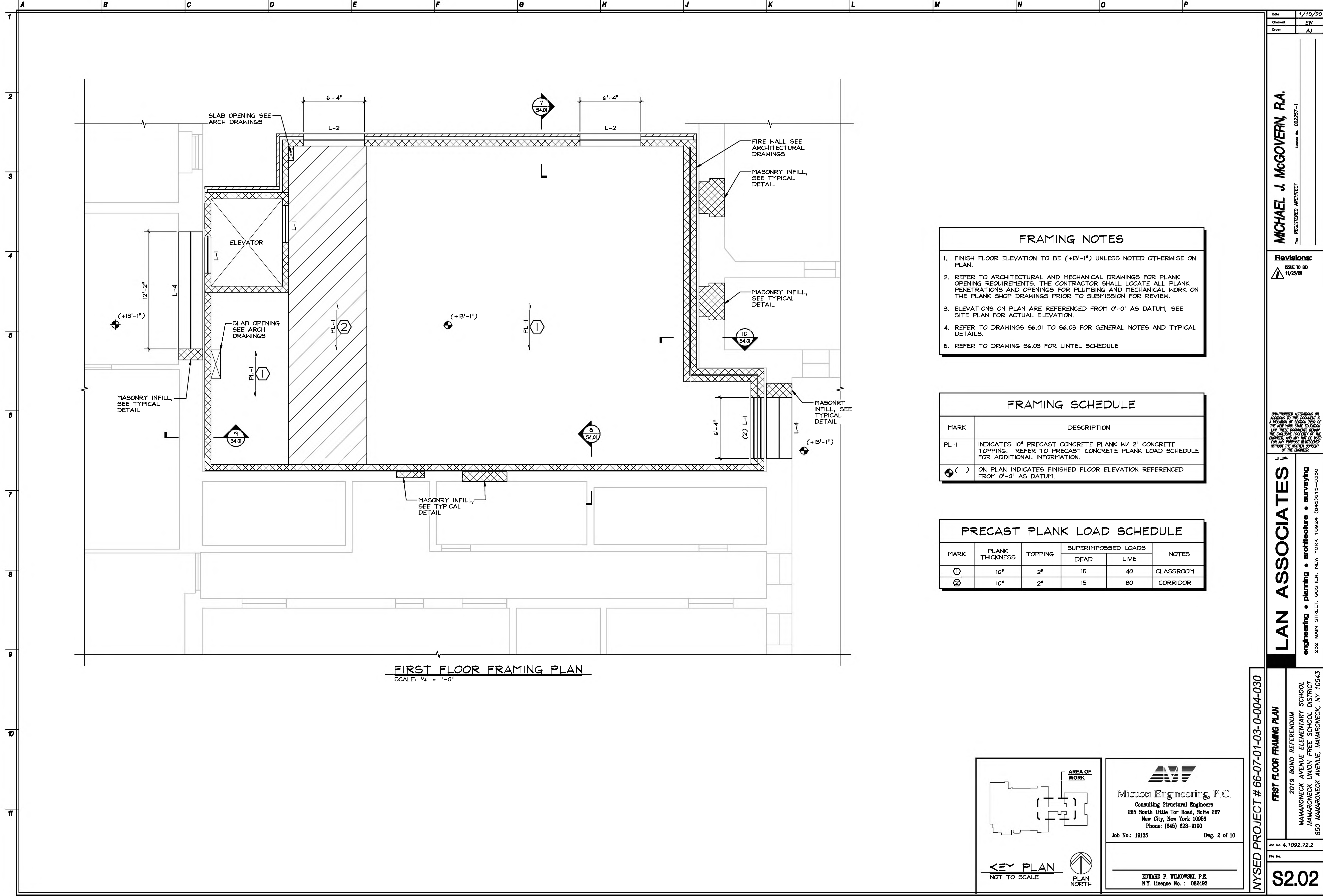
Date: 1/10/20
Checked: EB
Drawn: PRE
Professional Engineer: ERIK E. BOE, P.E.
License No.: 089208

Revisions:
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11/23/20
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CONSTRUCTION DETAILS #2
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK JUNIOR FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543
Job No. 4.1092.72.2
File No. 1092.72.02_CD
CD.02





FIRST FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

FRAMING NOTES

1.

FINISH FLOOR ELEVATION TO BE (+13'-1") UNLESS NOTED OTHERWISE ON PLAN.

2.

REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR PLANK OPENING REQUIREMENTS. THE CONTRACTOR SHALL LOCATE ALL PLANK PENETRATIONS AND OPENINGS FOR PLUMBING AND MECHANICAL WORK ON THE PLANK SHOP DRAWINGS PRIOR TO SUBMISSION FOR REVIEW.

3.

ELEVATIONS ON PLAN ARE REFERENCED FROM 0'-0" AS DATUM, SEE SITE PLAN FOR ACTUAL ELEVATION.

4.

REFER TO DRAWINGS S6.01 TO S6.03 FOR GENERAL NOTES AND TYPICAL DETAILS.

5.

REFER TO DRAWING S6.03 FOR LINTEL SCHEDULE

FRAMING SCHEDULE	
MARK	DESCRIPTION
PL-1	INDICATES 10" PRECAST CONCRETE PLANK W/ 2" CONCRETE TOPPING. REFER TO PRECAST CONCRETE PLANK LOAD SCHEDULE FOR ADDITIONAL INFORMATION.
()	ON PLAN INDICATES FINISHED FLOOR ELEVATION REFERENCED FROM 0'-0" AS DATUM.

PRECAST PLANK LOAD SCHEDULE					
MARK	PLANK THICKNESS	TOPPING	SUPERIMPOSED LOADS		NOTES
			DEAD	LIVE	
①	10"	2"	15	40	CLASSROOM
②	10"	2"	15	80	CORRIDOR

KEY PLAN

NOT TO SCALE

AREA OF WORK

PLAN NORTH

Micucci Engineering, P.C.

Consulting Structural Engineers

285 South Little Tor Road, Suite 207

New City, New York 10956

Phone: (845) 623-9100

Job No.: 19135

Dwg. 2 of 10

EDWARD P. WILKOWSKI, P.E.

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AJ

MICHAEL J. MCGOVERN, R.A.

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License No. 022257-1

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NYSED PROJECT # 66-07-01-03-0-004-030

FIRST FLOOR FRAMING PLAN

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL

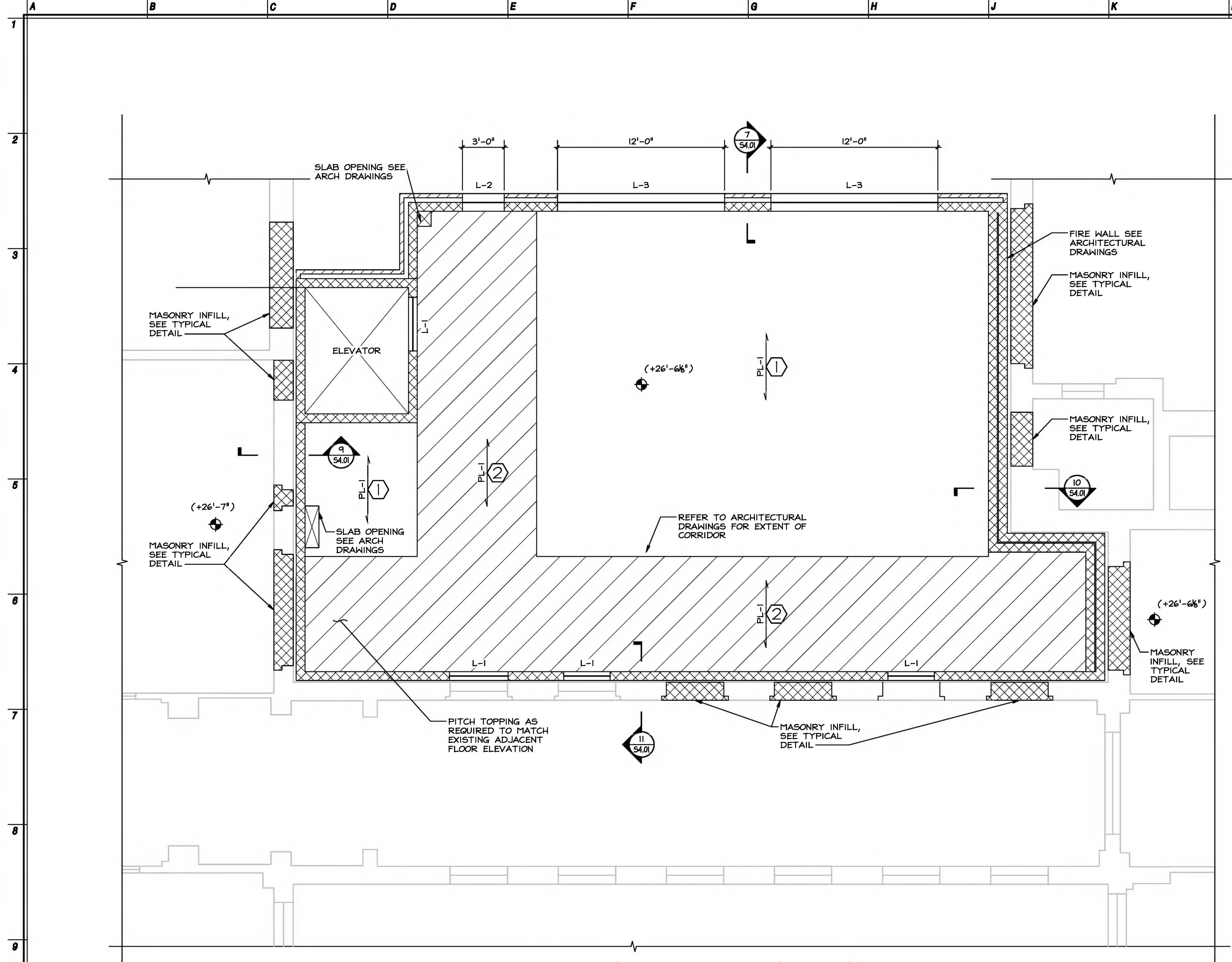
MAMARONECK UNION FREE SCHOOL DISTRICT

850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4,1092,72.2

File No.

S2.02



SECOND FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

FRAMING NOTES

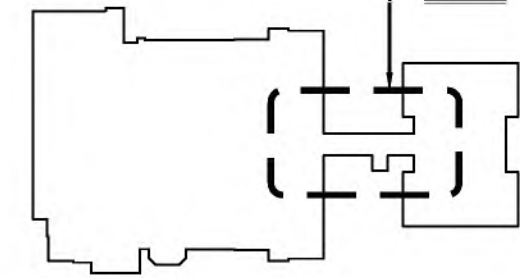
1. FINISH FLOOR ELEVATION TO BE (+26'-6 1/8") UNLESS NOTED OTHERWISE ON PLAN.
2. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR PLANK OPENING REQUIREMENTS. THE CONTRACTOR SHALL LOCATE ALL PLANK PENETRATIONS AND OPENINGS FOR PLUMBING AND MECHANICAL WORK ON THE PLANK SHOP DRAWINGS PRIOR TO SUBMISSION FOR REVIEW.
3. ELEVATIONS ON PLAN ARE REFERENCED FROM 0'-0" AS DATUM, SEE SITE PLAN FOR ACTUAL ELEVATION.
4. REFER TO DRAWINGS S6.01 TO S6.03 FOR GENERAL NOTES AND TYPICAL DETAILS.
5. REFER TO DRAWING S6.03 FOR LINTEL SCHEDULE

FRAMING SCHEDULE

MARK	DESCRIPTION
PL-1	INDICATES 10" PRECAST CONCRETE PLANK W/ 2" CONCRETE TOPPING. REFER TO PRECAST CONCRETE PLANK LOAD SCHEDULE FOR ADDITIONAL INFORMATION.
()	ON PLAN INDICATES FINISHED FLOOR ELEVATION REFERENCED FROM 0'-0" AS DATUM.

PRECAST PLANK LOAD SCHEDULE

MARK	PLANK THICKNESS	TOPPING	SUPERIMPOSED LOADS		NOTES
			DEAD	LIVE	
①	10"	2"	15	40	CLASSROOM
②	10"	2"	15	80	CORRIDOR



KEY PLAN
NOT TO SCALE
PLAN NORTH

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Phone: (845) 623-9100
Job No.: 19135 Dwg. 3 of 10

EDWARD P. WILKOWSKI, P.E.
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MICHAEL J. MCGOVERN, P.A.
REGISTERED ARCHITECT
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Revisions:
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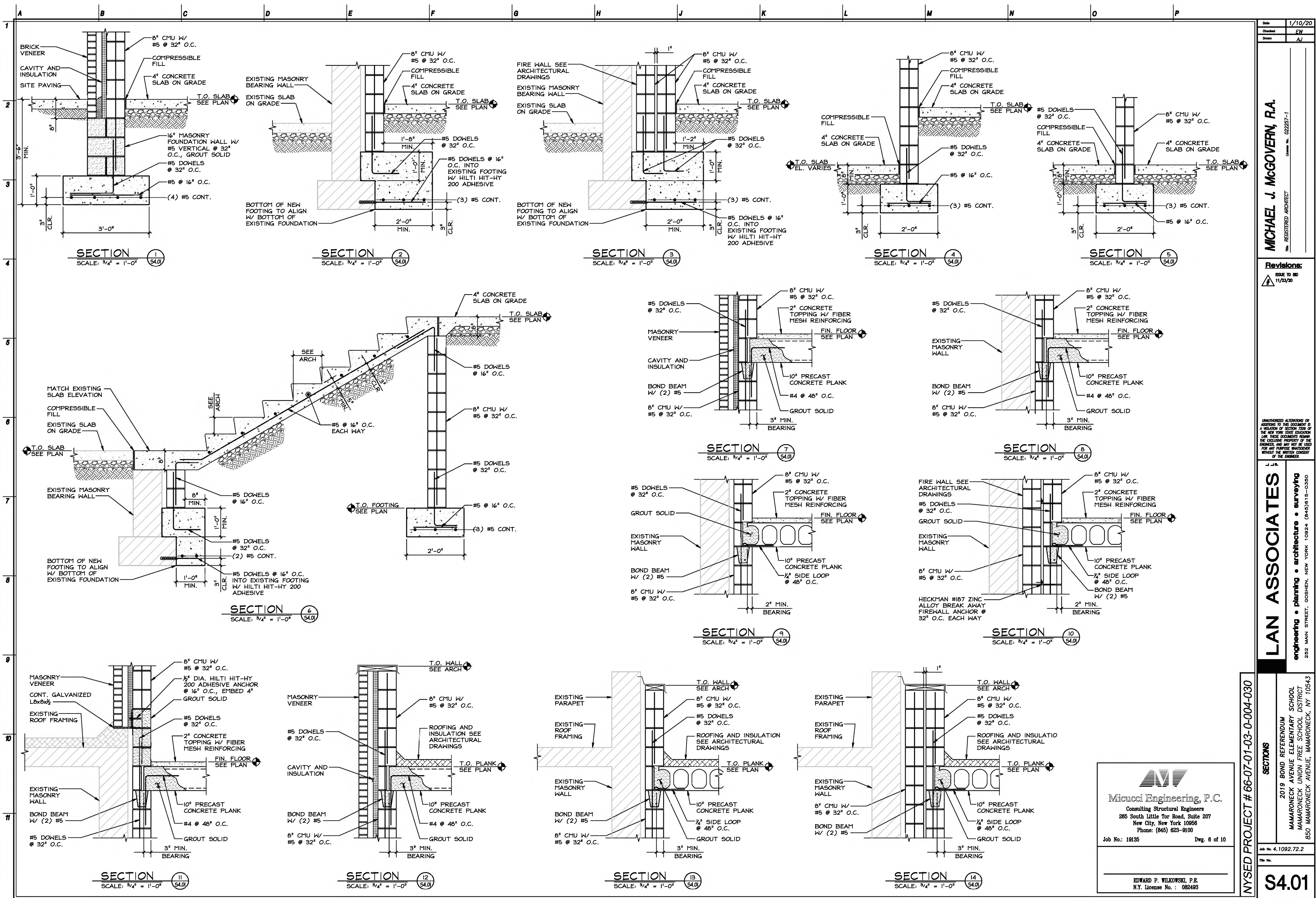
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NYSED PROJECT # 66-07-01-03-0-004-030

SECOND FLOOR FRAMING PLAN
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4,1092,72.2
File No.
S2.03



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MICHAEL J. MCGOVERN, P.E.
REGISTERED ARCHITECT
LICENSE NO. 02257-1

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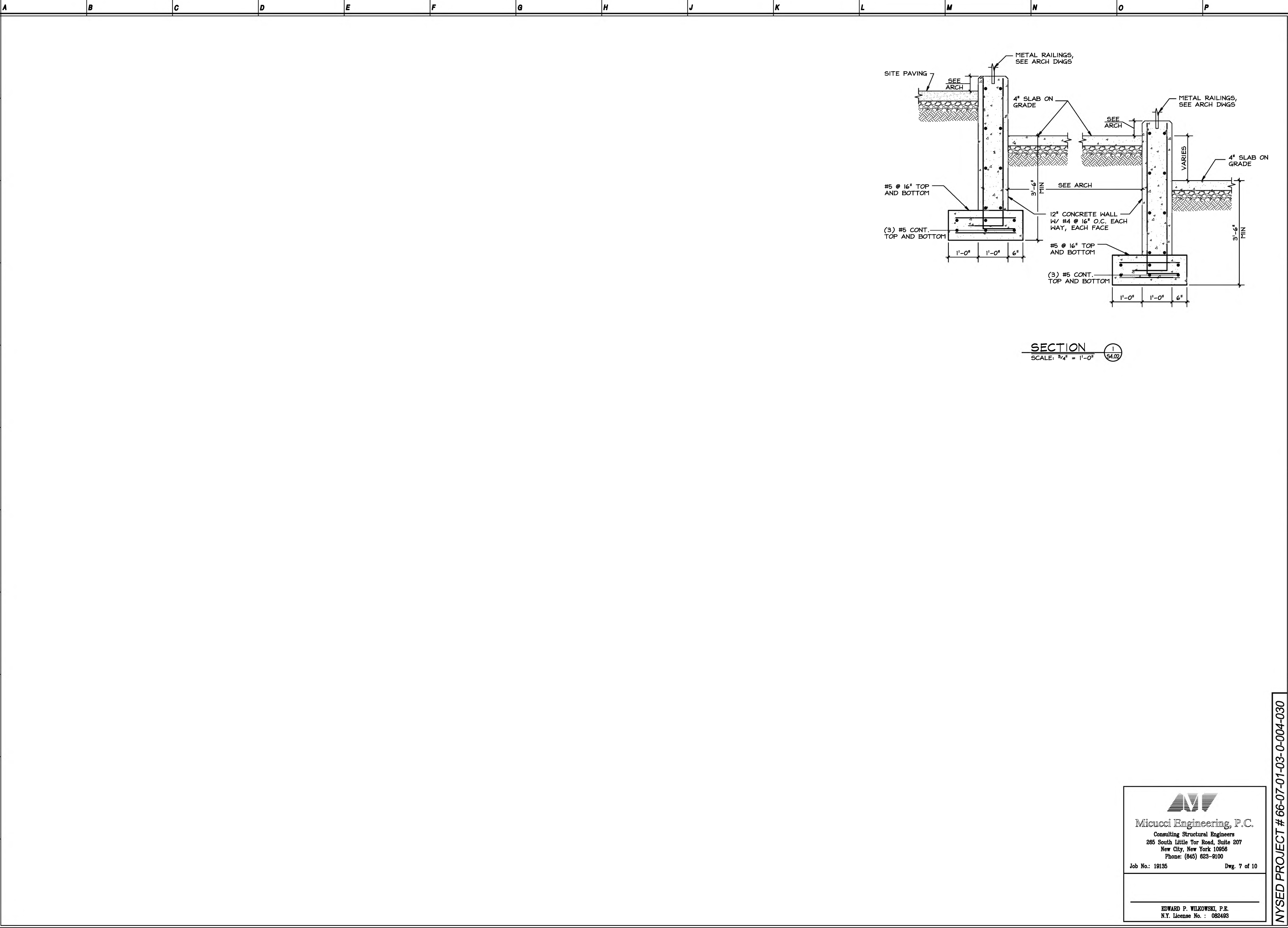
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SECTIONS
2019 BOND REFERENDUM
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Job No.
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S4.01

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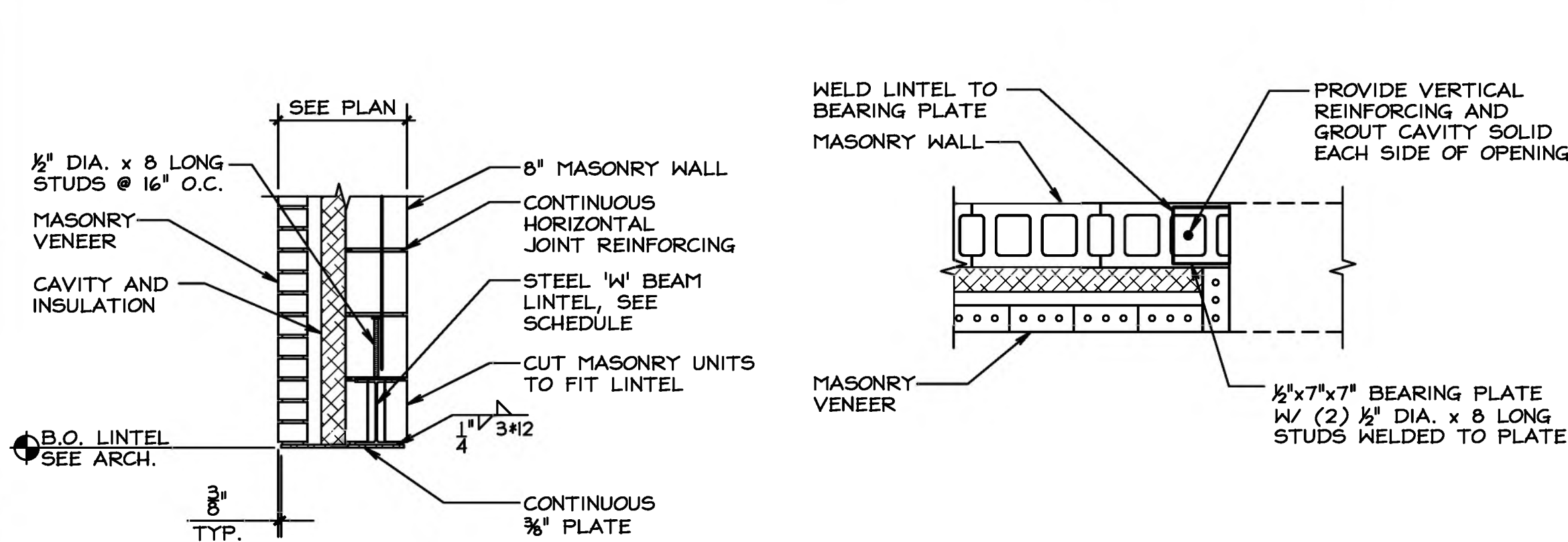
NYS ED PROJECT # 66-07-01-03-0-004-030

SECTIONS	2019 BOND REFERENDUM MAMARONECK AVENUE ELEMENTARY SCHOOL MAMARONECK UNION FREE SCHOOL DISTRICT 850 MAMARONECK AVENUE, MAMARONECK, NY 10543
Job No.	4,1092.72.2
File No.	

S4.02


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Phone: (845) 623-9100
Job No.: 19135 Dwg. 7 of 10

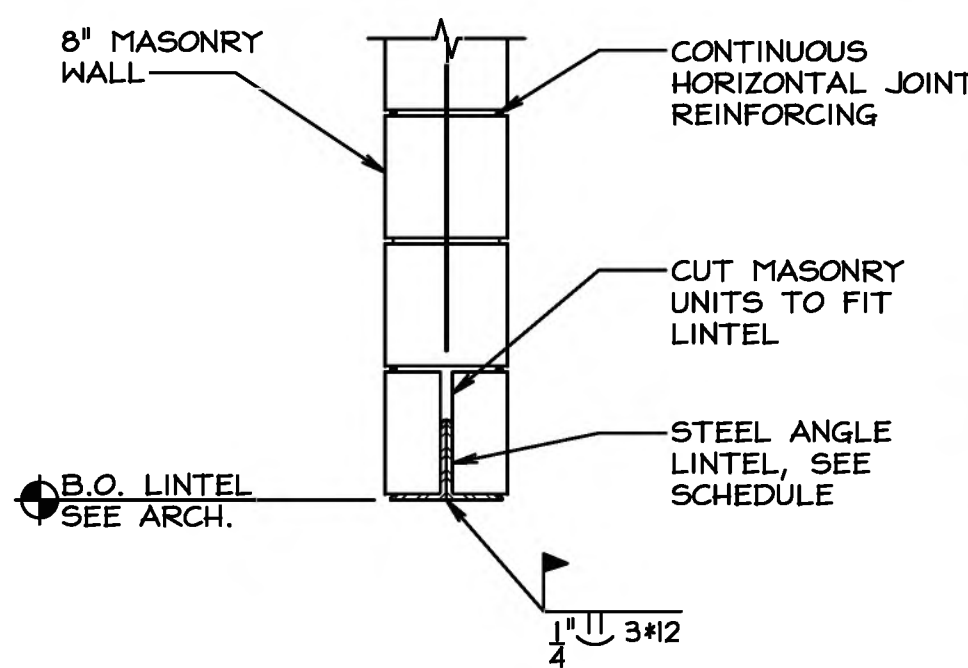
EDWARD P. WILKOWSKI, P.E.
N.Y. License No. : 082493



SECTION

PLAN

TYPICAL 'W' LINTEL IN 16" MASONRY CAVITY WALL
NOT TO SCALE



NOTES:

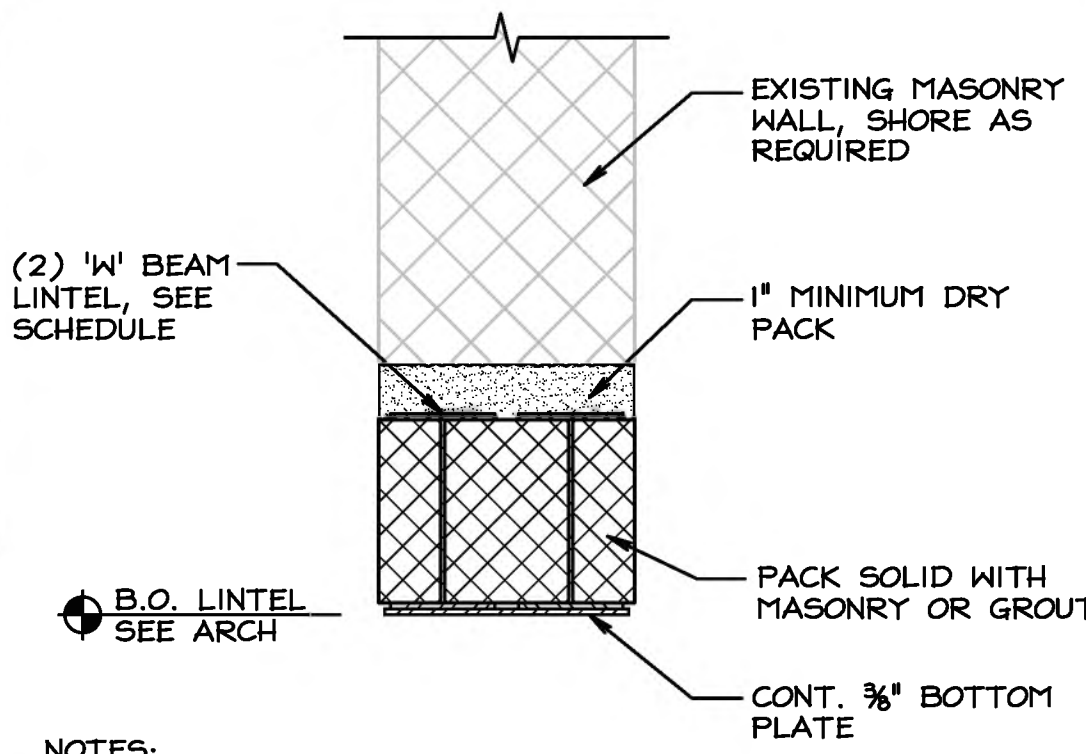
1. BEAR LINTEL 8" MINIMUM BEYOND OPENING. GROUT WALL SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.
2. REFER TO ARCHITECTURAL DRAWINGS FOR FLASHING DETAILS.

TYPICAL ANGLE LINTEL IN 8" MASONRY WALL
NOT TO SCALE

LINTEL SCHEDULE				
MARK	MASONRY OPENING SIZE	NOTES	WALL TYPE	LINTEL SIZE
	6'-4" MAX.	INTERIOR NON-BEARING	8" BLOCK	(2) - L5 x 3 1/2 x 3/8
L-1	6'-4" MAX.	INTERIOR BEARING	8" BLOCK	(2) - L5 x 3 1/2 x 3/8
L-2	6'-4" MAX.	EXTERIOR BEARING	8" BLOCK 4" VENEER	W8x18 W/ CONT. 3/8" x 14" PLATE
L-3	12'-6" MAX.	EXTERIOR BEARING	8" BLOCK 4" VENEER	W12x30 W/ CONT. 3/8" x 14" PLATE
L-4	12'-6" MAX.	EXISTING BEARING	8" BLOCK 4" VENEER	(2) W12x26 W/ CONT. 3/8" PLATE

NOTES:

1. THE CONTRACTOR MUST VERIFY ALL MASONRY OPENING SIZES, LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCY WITH THE INFORMATION SHOWN ON THESE DRAWINGS.
2. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE, QUANTITY AND LOCATION OF OPENINGS IN 8" NON-BEARING MASONRY WALLS AND OPENINGS FOR MECHANICAL SYSTEMS.
3. PROVIDE BEARING PLATE W/ (2) 1/2"x8" LONG STUDS AT EACH END OF ALL 'W' LINTELS PER TYPICAL DETAILS. GROUT BLOCK SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.
4. REFER TO LINTEL DETAILS FOR ADDITIONAL INFORMATION.
5. REFER TO ARCHITECTURAL DRAWINGS FOR FLASHING DETAILS AND REQUIREMENTS.
6. BEAR ALL ANGLE LINTELS 8" MINIMUM EACH END. GROUT BLOCK SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.



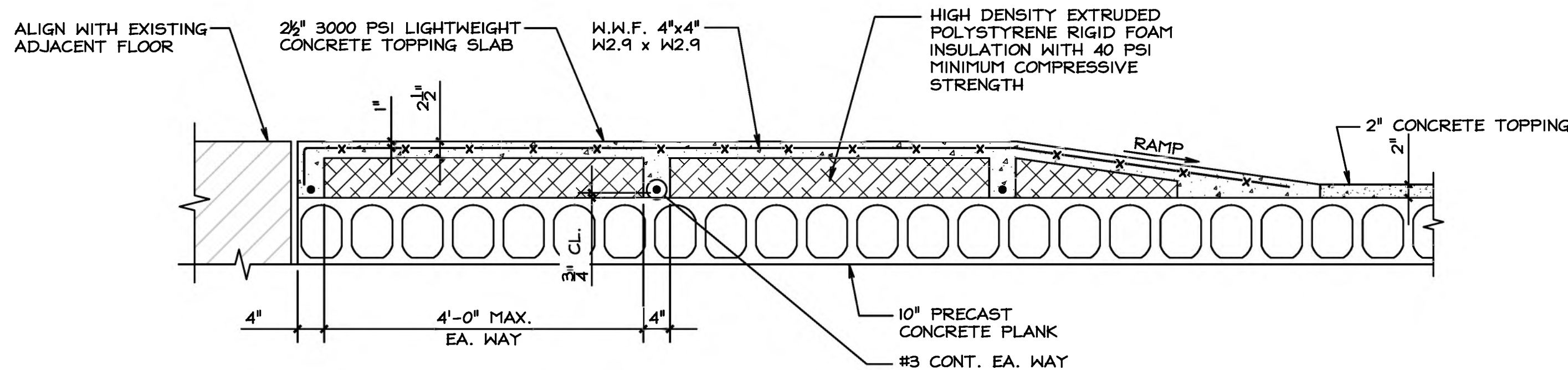
NOTES:

1. BEAR LINTEL 8" MINIMUM BEYOND OPENING. GROUT WALL SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.
2. REFER TO ARCHITECTURAL DRAWINGS FOR FLASHING DETAILS.

TYPICAL 'W' LINTEL IN EXISTING MASONRY WALL
NOT TO SCALE

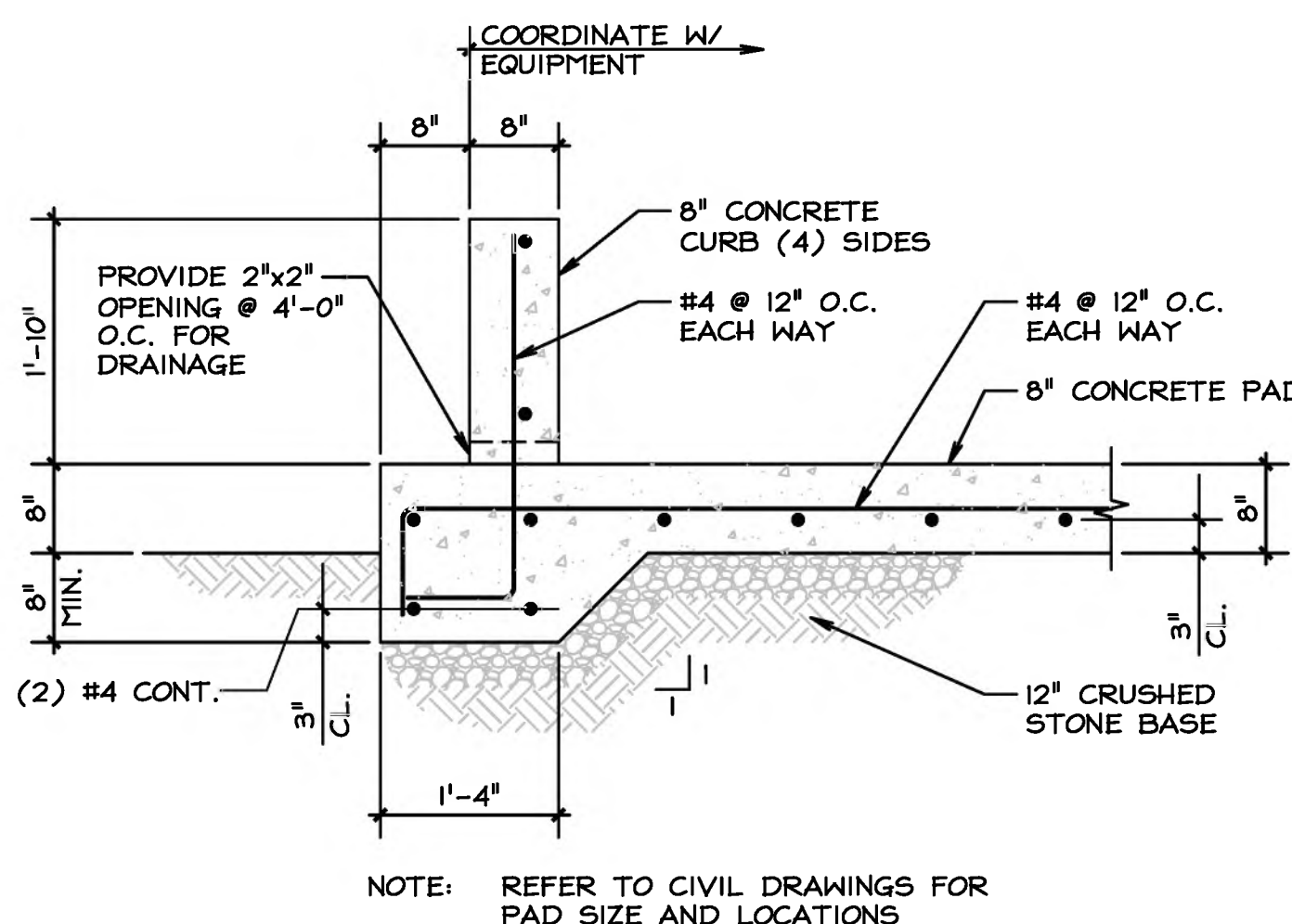
'W' LINTEL INSTALLATION NOTES

1. INSTALL ANY REQUIRED SHORING OF THE EXISTING CONSTRUCTION. VERIFY THAT THE EXISTING WALL IS STRUCTURALLY SOUND.
2. CUT HOLES IN EXISTING WALL FOR INSTALLATION OF NEW BEARING PLATES AT EACH END OF NEW LINTEL BEAMS.
3. CUT HORIZONTAL SLOT ONE-HALF THE WALL THICKNESS INTO THE EXISTING WALL AT THE LINTEL LOCATION. CARE MUST BE TAKEN TO AVOID DAMAGE TO THE PORTIONS OF THE WALL TO REMAIN.
4. INSTALL FIRST LINTEL BEAM ON ONE SIDE AND CONNECT TO BEARING PLATES. PATCH AND DRY-PACK OVER BEAM TO PROVIDE FULL BEARING OVER LINTEL.
5. CUT HORIZONTAL SLOT THROUGH REMAINDER OF WALL FROM OPPOSITE SIDE TO ACCOMMODATE INSTALLATION OF SECOND LINTEL BEAM. PATCH AND DRY-PACK OVER BEAM TO PROVIDE FULL BEARING.
6. INSTALL BOTTOM FLANGE PLATE AND REPAIR MASONRY.
7. SAWCUT AND REMOVE REMAINING PORTION OF EXISTING WALL BELOW NEW LINTEL AND REPOINT AREA AROUND OPENING TO REPAIR DAMAGED MORTAR JOINTS.

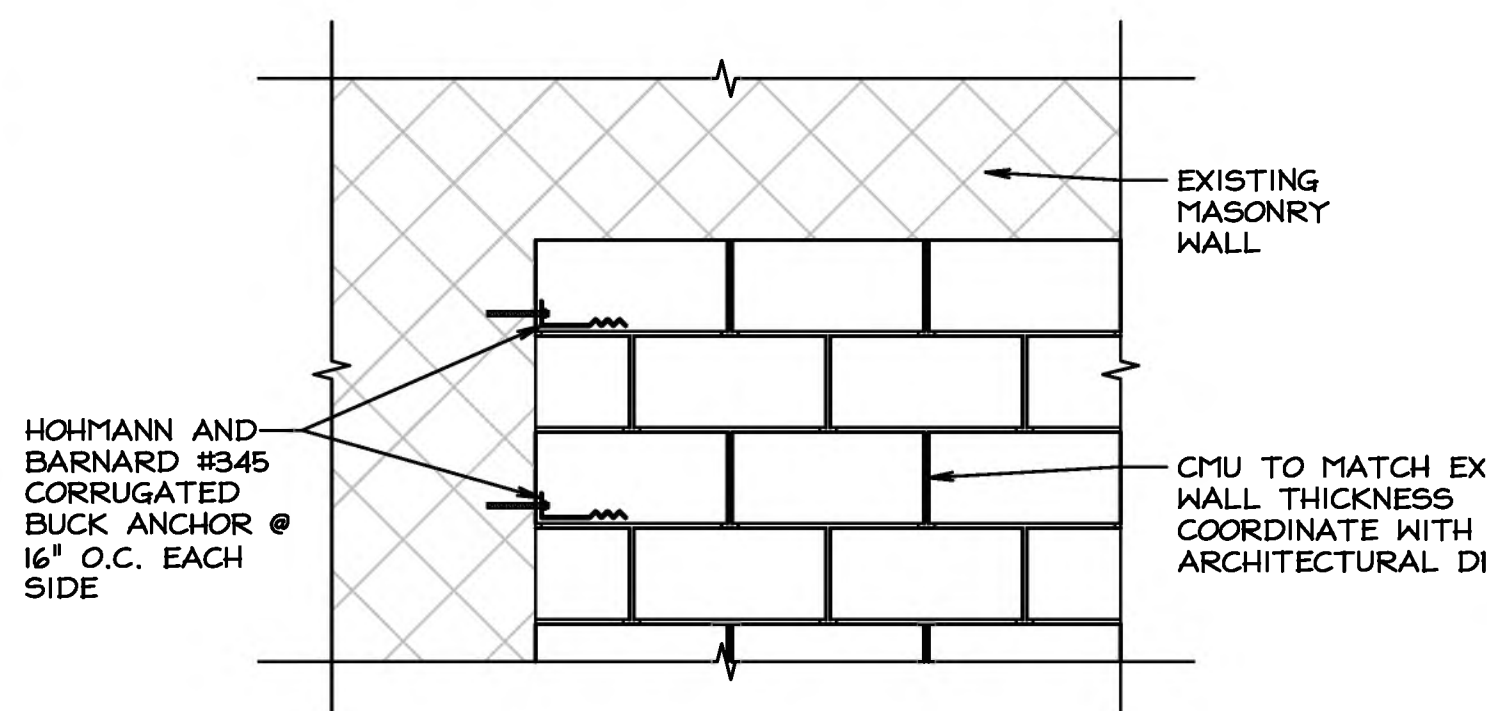


NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF RAISED SLAB

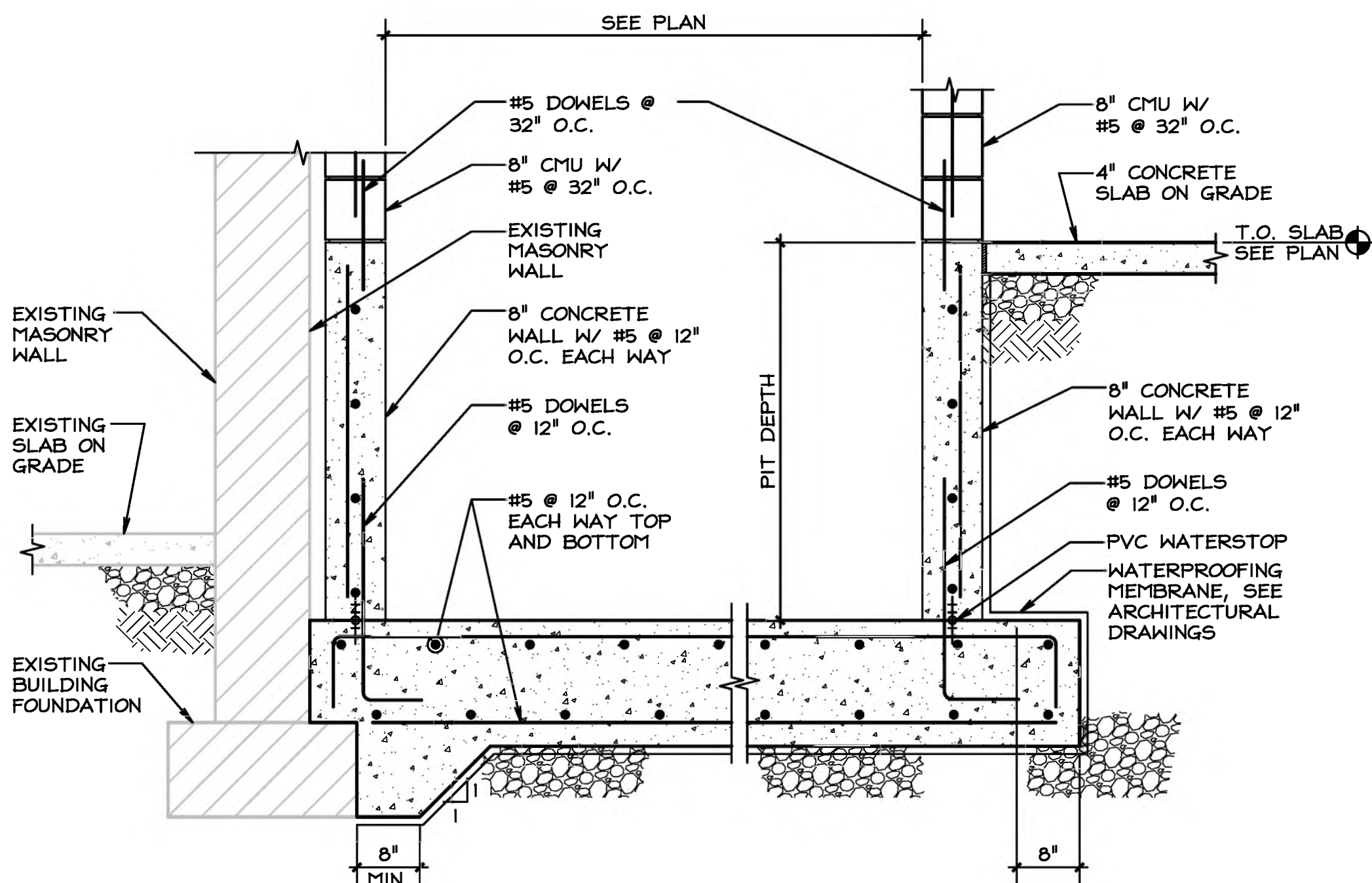
TYPICAL RAISED CONCRETE TOPPING SLAB
NOT TO SCALE



TYPICAL EXTERIOR GENERATOR PAD
SCALE: 3/4" = 1'-0"



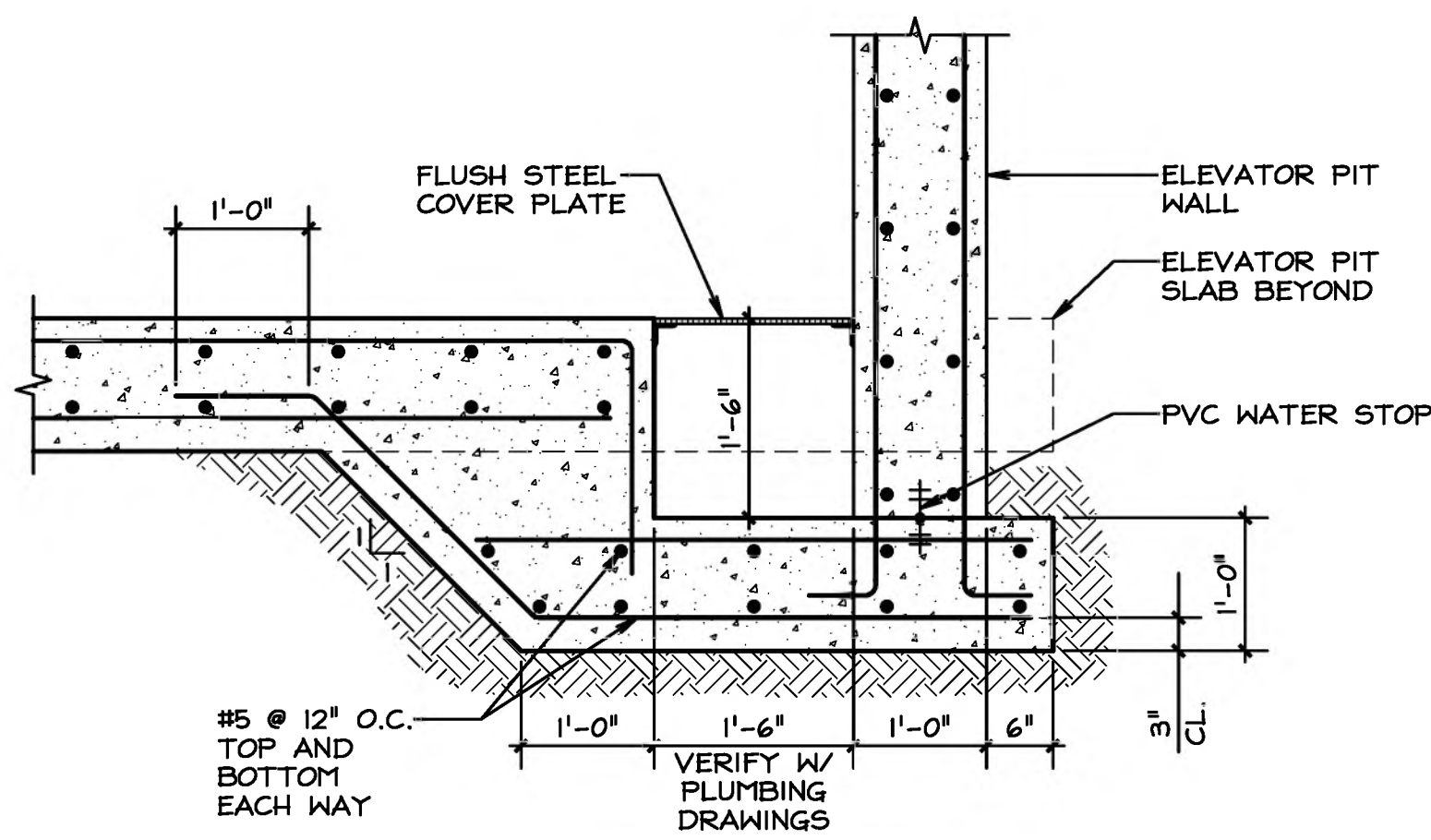
TYPICAL MASONRY WALL INFILL AT EXISTING OPENING
NOT TO SCALE




NOTES:

1. VERIFY ELEVATOR PIT DIMENSIONS WITH MANUFACTURER'S REQUIREMENTS.
2. PROVIDE OPENING IN MAT FOR ELEVATOR PLUNGER AS REQUIRED.
3. PROVIDE SUMP PIT PER PLUMBING DRAWINGS. REFER TO TYPICAL DETAIL.

TYPICAL ELEVATOR PIT
NOT TO SCALE



TYPICAL ELEVATOR SUMP PIT
NOT TO SCALE


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Job No.: 19135 Dwg. 10 of 10

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Date: 1/10/20
Checked: FW
Drawn: WR

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Revisions:
ISSUE TO BD
1/12/20

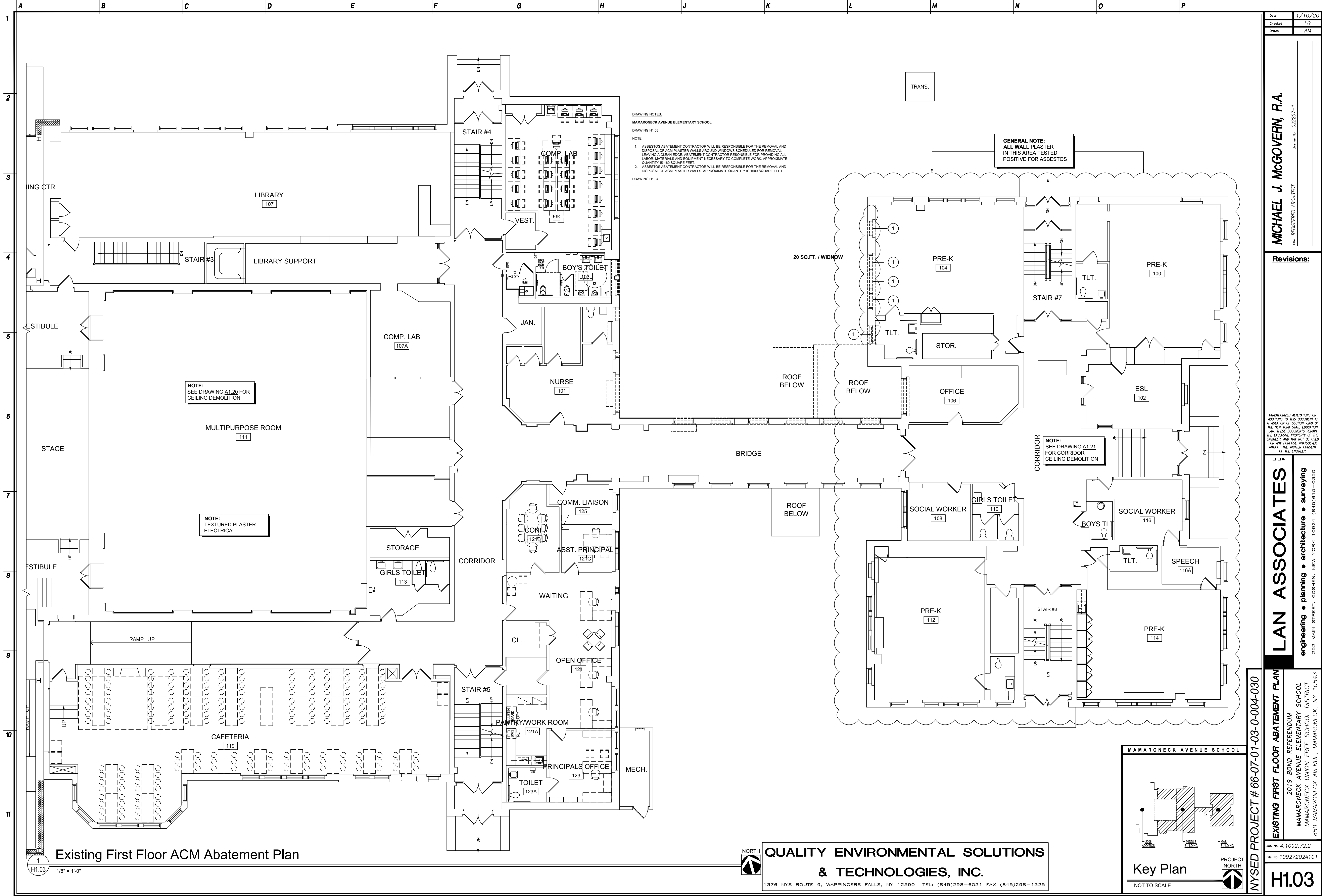
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NYSed PROJECT # 66-07-01-03-0-004-030

TYPICAL DETAILS
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

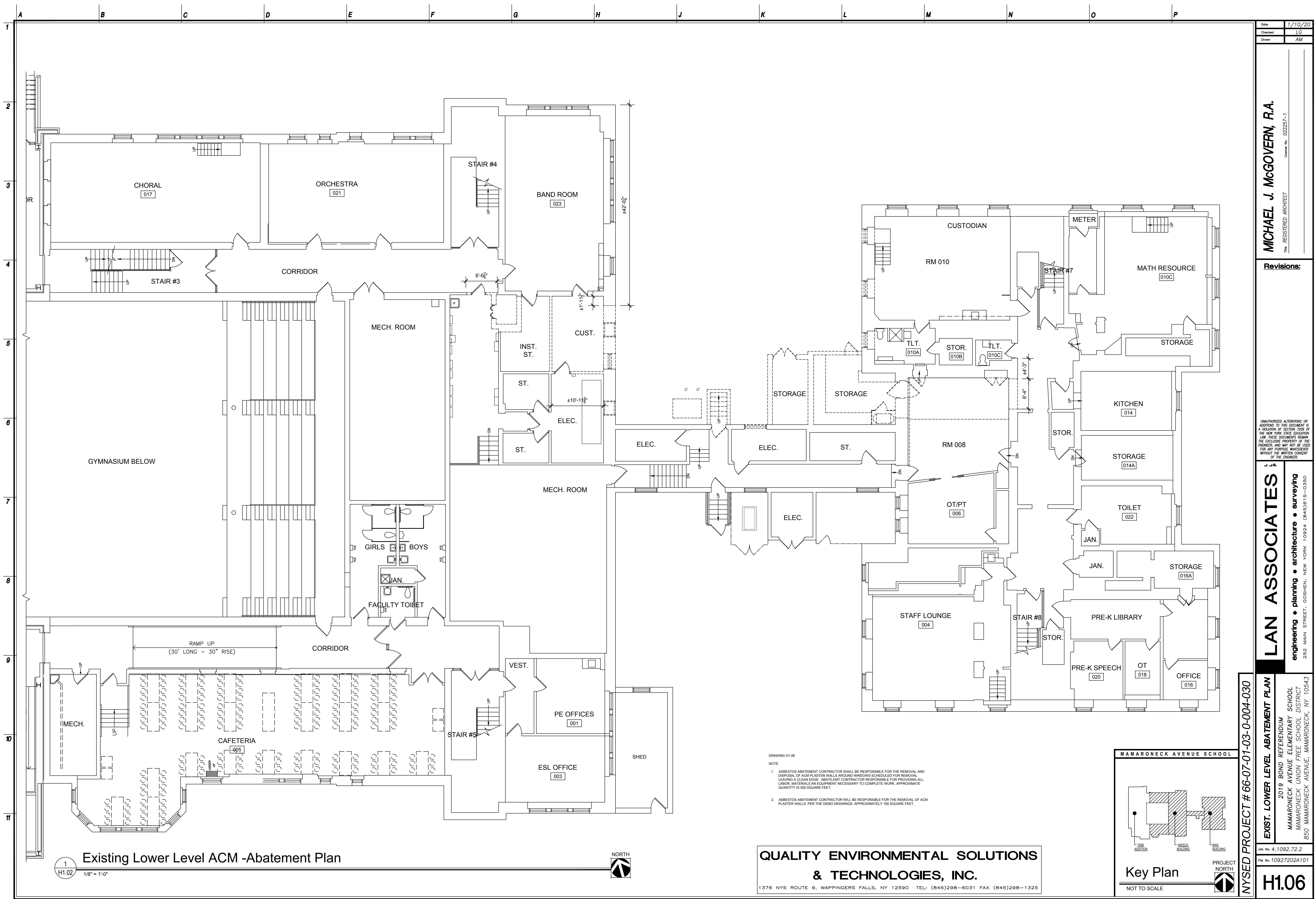
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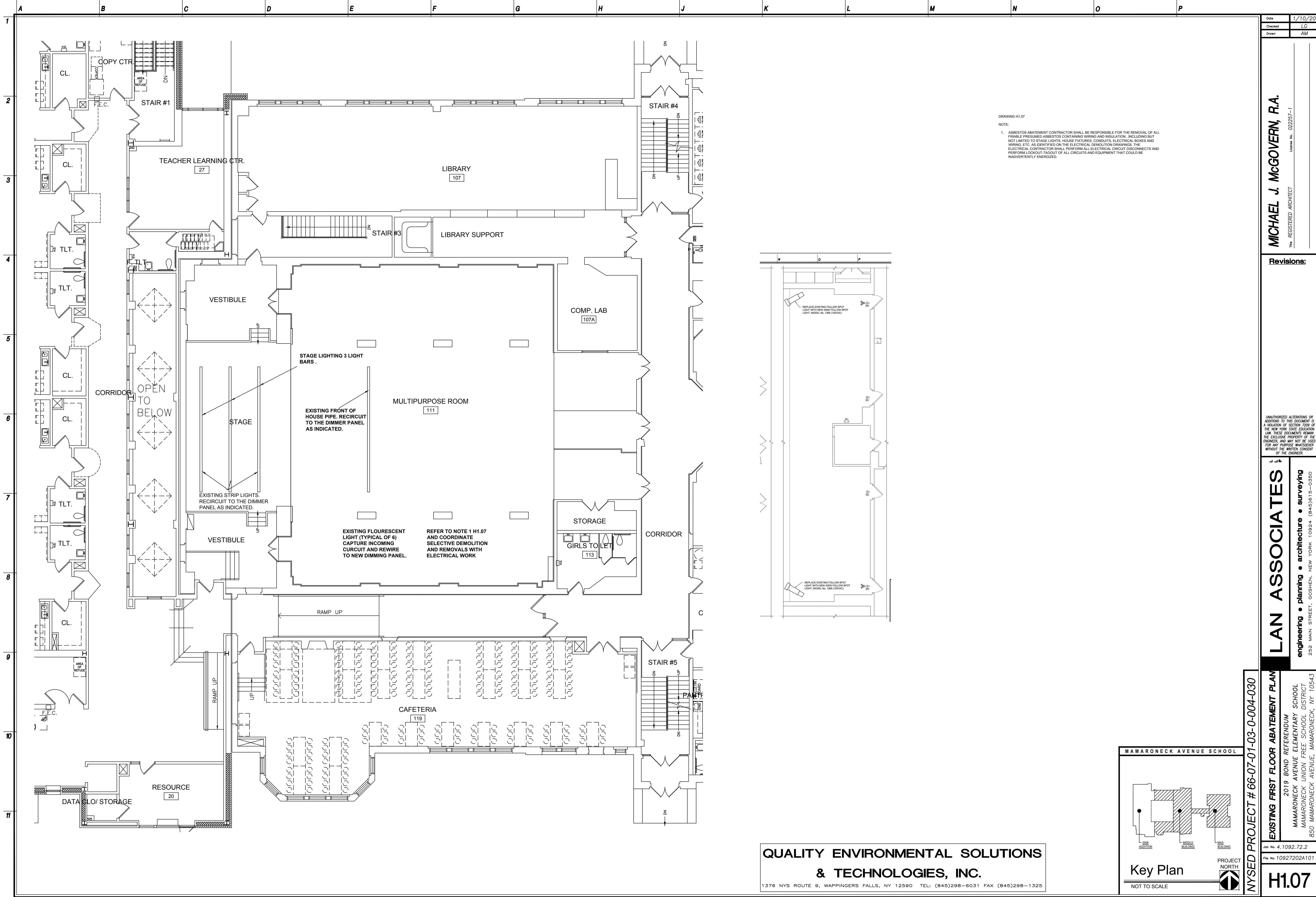
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Date	1/10/20
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MICHAEL J. MCGOVERN, R.A. THE REGISTERED ARCHITECT License No. 022257-J	
Revisions:	
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LAN ASSOCIATES engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615-0350	
NYSIED PROJECT # 66-07-01-03-0-004-030	
EXISTING FIRST FLOOR ABATEMENT PLAN 2019 BOND REFERENDUM MAMARONECK AVENUE ELEMENTARY SCHOOL MAMARONECK UNION FREE SCHOOL DISTRICT 850 MAMARONECK AVENUE, MAMARONECK, NY 10543	
Job No. 4.1092.72.2 File No. 10927202A101	
H1.03	







DRAWING H1.07
NOTE:
1. ASBESTOS ABATEMENT CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL FRAGILE PRESUMED ASBESTOS CONTAINING WIRING AND INSULATION, INCLUDING BUT NOT LIMITED TO STAGE LIGHTS, HOUSE FIXTURES, CONDUITS, ELECTRICAL BOXES AND WIRING, ETC. AS IDENTIFIED ON THE ELECTRICAL DEMOLITION DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL PERFORM ALL ELECTRICAL CIRCUIT DISCONNECTS AND PERFORM LOOKOUT/TAGOUT OF ALL CIRCUITS AND EQUIPMENT THAT COULD BE INADVERTENTLY ENERGIZED.

Date 1/10/20
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Drawn AM
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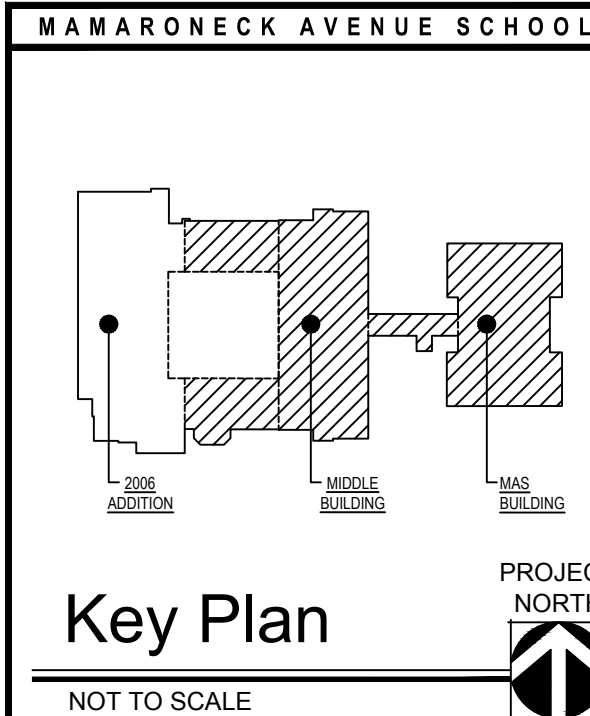
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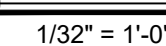
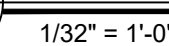
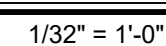
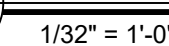
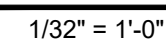
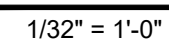
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EXISTING FIRST FLOOR ABATEMENT PLAN
2019 BOND REFERENDUM
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MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543
Job No. 4.1092.72.2
File No. 10927202A101
H1.07

QUALITY ENVIRONMENTAL SOLUTIONS
& TECHNOLOGIES, INC.

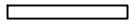
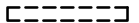
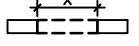
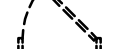
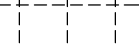
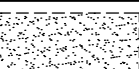
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	SCOPE ITEM	ALTERATION LEVEL
A	EXTERIOR MASONRY FACADE RESTORATION, REFER TO DRAWINGS A3.01 - A3.03 FOR ADDITIONAL INFORMATION.	1
B	EXTERIOR MASONRY REPAIR AND RE-POINTING, REFER TO DRAWINGS A3.01 - A3.03 FOR ADDITIONAL INFORMATION.	1
C	EXTERIOR STUCCO REPAIR, REFER TO DRAWING A2.06 FOR ADDITIONAL INFORMATION.	1
D	EXTERIOR SERVICE DOOR REPLACEMENT, REFER TO DRAWING A2.03 FOR ADDITIONAL INFORMATION.	1
E	EXTERIOR DOOR TRIM RESTORATION, REFER TO DRAWING A8.30 FOR ADDITIONAL INFORMATION.	1
F	RESERVED	-
G	RESERVED	-
H	RESERVED	-
J	GYMNASIUM WATERPROOFING IMPROVEMENTS, REFER TO DRAWING A2.01 FOR ADDITIONAL INFORMATION.	2
K	CLASSROOM SUBFLOOR AND FLOOR FINISH REPLACEMENT - MAS BUILDING, REFER TO DRAWINGS A2.20, A2.21 & A8.30 .	2
L	CLASSROOM WOOD FLOOR REMOVAL AND REPLACEMENT WITH NEW FINISHES, REFER TO DRAWINGS A2.20, A2.21 & A8.30 .	1
M	MULTI-PURPOSE ROOM WOOD FLOOR REPLACEMENT, REFER TO DRAWINGS A2.20 & A8.30 .	1
N	DECORATIVE CEILING REPLACEMENT - FIRST FLOOR CORRIDOR - MAS BUILDING, REFER TO DRAWINGS A1.21 & A5.10 .	1
P	MULTI-PURPOSE ROOM CEILING REPAIR/REPLACEMENT, REFER TO DRAWINGS A1.20 & A5.11 .	1
Q	CLASSROOM CASEWORK REPLACEMENT - MAS BUILDING, REFER TO DRAWINGS A7.03 - A7.06 .	1
R	ELEVATOR AND CLASSROOMS ADDITION, REFER TO DRAWINGS A2.10 - A2.14 .	ADDITION

Legend (REFER TO DEMOLITION FLOOR PLANS)

SYMBOL	DESCRIPTION
	EXISTING PARTITION TO REMAIN
	EXISTING PARTITION TO BE REMOVED/ DEMOLISHED
	REMOVE PORTION OF EXISTING PARTITION TO DIMENSION SHOWN.
	EXISTING DOOR/FRAME TO BE REMOVED
	EXISTING SUSPENDED CEILING TO BE REMOVED
	EXISTING PLASTER CEILING TO BE REMOVED

General Notes

<div>1. DIMENSIONS SHOWN ARE FROM FACE OF FINISH MATERIALS (+/-) UNLESS OTHERWISE NOTED.</div> <div>2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS.</div> <div>3. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING OR SUPPORT TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF AREAS TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN.</div> <div>4. THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES ONLY WITHIN THE ALLOWABLE HOURS OF OPERATION ON WEEKDAYS AND WEEKENDS IN ACCORDANCE WITH THE LOCAL NOISE ORDINANCE. THE CONTRACTOR SHALL CONSULT THE LOCAL MUNICIPALITY FOR ACCEPTABLE HOURS.</div> <div>5. CONTRACTOR IS REQUIRED TO PATCH (TO MATCH EXISTING), IMMEDIATELY AFTER REMOVAL, ALL WALL, FLOOR & CEILING OPENINGS WHERE EXISTING PIPE, DUCT, CONVECTORS, ETC. ARE BEING REMOVED. SEAL OPENING WITH 3 HOUR BARRIER CAULK AS PER FIRESTOPPING SPECIFICATIONS. REFER TO FIRESTOPPING DETAILS FOR ADDITIONAL INFORMATION.</div>
<div>MULTIPLE PRIME CONTRACTOR ABBREVIATIONS</div> <div>ALL REFERENCES TO "CONTRACTOR" IN NOTES SHALL REFER TO THE PRIME CONTRACTOR RESPONSIBLE FOR DRAWING SERIES THE NOTE IS FOUND ON, UNLESS NOTED OTHERWISE. ABBREVIATIONS FOR PRIME CONTRACTORS ARE AS FOLLOWS:</div> <div>GC - GENERAL CONTRACTOR MC - MECHANICAL CONTRACTOR EC - ELECTRICAL CONTRACTOR PC - PLUMBING CONTRACTOR</div>
<div>MULTIPLE PRIME CONTRACT NOTES:</div> <div>1. SEE SPECIFICATION SECTION 011200 - SPECIAL PROVISIONS AND 010101 - MULTIPLE CONTRACT SUMMARY FOR INFORMATION REGARDING RESPONSIBILITY OF EACH PRIME CONTRACTOR AND REQUIRED COORDINATION.</div> <div>2. ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR REVIEWING DEMOLITION NOTES ON <u>A1.00</u> AS WELL AS ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND NOTES.</div>
<div>CORE DRILL LAYOUT NOTES:</div> <div>1. CORE DRILLING SHALL BE PERFORMED BY EACH INDIVIDUAL PRIME CONTRACT. REFER TO SPECIFICATION SECTION 011200 - SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.</div> <div>2. EACH PRIME CONTRACTOR SHALL FIELD VERIFY AND MARK ON PLANS ALL STRUCTURAL MEMBERS BELOW PROPOSED CORE DRILL LOCATIONS AND NOTE ANY INTERFERENCES ON THE DRAWINGS. ANY DISCREPANCIES BETWEEN PROPOSED PLANS AND EXISTING CONDITIONS SHALL BE CLEARLY MARKED AND IDENTIFIED ON THE LAYOUTS AND PRESENTED TO THE ARCHITECT FOR REVIEW.</div>
<div>HAZARDOUS MATERIALS NOTES:</div> <div>ASBESTOS: GENERAL CONTRACTOR (GC) SHALL PERFORM ASBESTOS ABATEMENT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATION SECTION <u>022200</u> FOR ASBESTOS ABATEMENT PROCEDURES.</div> <div>LEAD: GENERAL CONTRACTOR (GC) SHALL REFER TO SPECIFICATION SECTION <u>022010</u> - LEAD ABATEMENT PROCEDURES.</div>

Demolition Key Notes

1. **INTERIOR PARTITION DEMOLITION:** GC TO REMOVE A PORTION OF OR ALL OF THE EXISTING INTERIOR PARTITION, INCLUDING WALL BASE, GWB, STUDS, ELECTRICAL OUTLETS, SWITCHES, ETC. EC TO TERMINATE ALL ELECTRICAL COMPONENTS IN ACCORDANCE WITH NEC REQUIREMENTS. GC TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION.
2. **EXTERIOR WALL DEMOLITION:** GC TO REMOVE PORTION OF OR ALL OF EXISTING EXTERIOR WALL CONSTRUCTION INCLUDING MASONRY, WALL FRAMING, INTERIOR FINISHES, ETC. EC TO TERMINATE ALL ELECTRICAL COMPONENTS IN ACCORDANCE WITH NEC REQUIREMENTS. GC TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION.
3. **DOOR DEMOLITION:** GC TO REMOVE EXISTING DOOR, HINGES, FRAME, HARDWARE, CLOSER, ETC. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
4. **EXTERIOR WINDOWS:** GC TO REMOVE EXISTING EXTERIOR WINDOWS, JAMBS, SILLS, SASHES, INTERIOR TRIM, ETC IN THEIR ENTIRETY. EXISTING LINTEL ABOVE SHALL REMAIN UNLESS NOTED OTHERWISE.
5. **FLOOR FINISH DEMOLITION:** GC TO REMOVE EXISTING FLOOR FINISH MATERIAL AND ANY ASSOCIATED ADHESIVES, NAILERS, ETC. DOWN TO EXISTING SUB-FLOOR. PREP SUB-FLOOR AS REQUIRED FOR INSTALLATION OF NEW FINISH FLOOR. SEE PROPOSED PLANS FOR ADDITIONAL INFORMATION.
6. **CASEWORK:** GC TO REMOVE AND DISCARD OF EXISTING CASEWORK INCLUDING, COUNTERS, DOORS, HINGES, BLOCKING, SINKS, ETC. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
7. **SINK DEMOLITION:** PC TO REMOVE EXISTING SINK IN ITS ENTIRETY. PC TO DISCONNECT ALL PLUMBING CONNECTIONS AND CAP AS REQUIRED PRIOR TO SINK REMOVAL. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
8. **ACUSTICAL CEILING TILE & GRID DEMOLITION:** GC TO REMOVE AND DISCARD EXISTING SUSPENDED CEILING AND TILE, INCLUDING CEILING GRID, WALL ANGLES, SUPPORT WIRES, CLIPS, TIES, ETC.
9. **LIGHTING DEMOLITION:** EC TO DEMO EXISTING LIGHTING IN ITS ENTIRETY. EC TO TERMINATE ALL ELECTRICAL CONNECTIONS IN PER NEC REQUIREMENTS. SEE ELECTRICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION. CONFER WITH OWNER FOR SALVAGE PRIOR TO DEMOLITION.
10. **HVAC DIFFUSERS & RETURN AIR GRILLES:** MC TO REMOVE EXISTING SUPPLY DIFFUSERS, RETURN AIR GRILLES, AND/OR DUCTWORK IN THEIR ENTIRETY. SEE MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
11. GC TO DEMO EXISTING OUTDOOR STORAGE BUILDINGS IN THEIR ENTIRETY. EC TO DISCONNECT AND TERMINATE ANY AND ALL ELECTRICAL RECEPACLES, LIGHTING FIXTURES, SWITCHES, CONDUIT, JUNCTION BOXES, ETC. IN THEIR ENTIRETY. MC TO DISCONNECT AND DEMO ANY AND ALL HVAC EQUIPMENT, INCLUDING HEATERS, FANS, ETC.
12. MC TO DISCONNECT, REMOVE AND RELOCATE EXISTING COMPRESSOR AND ASSOCIATED PIPING, FILTERS, ETC. IN ITS ENTIRETY. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. GC TO REMOVE EXISTING EXTERIOR CONCRETE STAIRCASE AND RETAINING WALL IN THEIR ENTIRETY AND DISCARD IN AN APPROVED MANNER.
14. GC TO CLEAN AND SCRAPE EXISTING WOOD DOORWAY TRIM AT EXTERIOR DOORS AND PREP FOR NEW FINISH. SEE DETAIL 9/A8.30 FOR ADDITIONAL INFORMATION.
15. GC TO CLEAN ALL EXISTING MECHANICAL DIFFUSERS & GRILLES TO LIKE NEW CONDITION, TYPICAL.
16. GC TO SCRAPE AND CLEAN EXISTING CEILING SYSTEM INCLUDING THE PRIMARY FIELD, RECESSED FIELDS AND VERTICAL FACES INSIDE THE RECESSED COVES. TYPICAL UNLESS OTHERWISE NOTED.
17. GC TO REMOVE & DISCARD EXISTING 12"x12" GLUED IN PLACE CEILING TILES. EXISTING LIGHTING TO REMAIN UNLESS OTHERWISE NOTED.
18. EXISTING PENDANT MOUNTED LIGHT FIXTURE, TO REMAIN, TYPICAL. EC TO TEMPORARILY SUPPORT ALL FIXTURES FOR GC WORK.
19. EXISTING PLASTER STYLE RELIEF MOLDING TO REMAIN. GC SHALL CAREFULLY CLEAN AND RESTORE TO LIKE NEW CONDITION, TYPICAL.
20. GC TO SCRAPE FLAKING PAINT AT THE EXISTING WALLS OF THE MULTI-PURPOSE ROOM AND PATCH EXISTING HOLES, DENTS, DIVOTS, ETC. PREP AS REQUIRED TO RECEIVE NEW PAINT.
21. EXISTING PROSCENIUM WALL TO REMAIN. GC SHALL CAREFULLY CLEAN AND RESTORE PLASTER MOLDING TO LIKE NEW CONDITION, TYPICAL.
22. EXISTING SMOKE DETECTOR, EMERGENCY LIGHT, EXIT SIGN, PA SPEAKER, HORN STROBE OR RELATED DEVICE TO REMAIN, EC TO TEMPORARILY SUPPORT & PROTECT DURING CONSTRUCTION. COORDINATE WITH GC.
23. EXISTING SURFACE MOUNTED LIGHTING FIXTURE TO REMAIN. EC TO TEMPORARILY SUPPORT AS REQUIRED FOR GC WORK. COORDINATE WITH GC.
24. EXISTING PENDANT MOUNTED STAGE LIGHTING SYSTEM TO REMAIN. EC TO TEMPORARILY SUPPORT AS REQUIRED FOR GC WORK. COORDINATE WITH GC.
25. EXISTING PLASTER MOLDING TO REMAIN. STYLE 'C' IS TO BE STRIPPED OF PAINT AND REPAIRED TO LIKE NEW CONDITION. GC SHALL INCLUDE REPLACEMENT OF 200 LINEAR FEET IN LIKE AND KIND AS PART OF THE SCOPE OF WORK. PROVIDE A LINEAR FOOT UNIT PRICE ON THE BID FORM IF THE QUANTITY IS MORE THAN, OR LESS THAN 200 LINEAR FEET. REFER TO UNIT PRICE SPEC. SECTION 011200 FOR ADDITIONAL INFORMATION.
26. EC TO REMOVE, RELOCATE AND REWIRE EXISTING SMOKE DETECTOR OR RELATED DEVICE. EC TO ENSURE THE WIRING PATH IS CONCEALED ABOVE THE CEILING SYSTEM.
27. EC TO REMOVE AND RELOCATE EXISTING LOW VOLTAGE WIRE MOLD. EC TO RE-ROUTE AND CONSOLIDATE WIRING AS NECESSARY TO MINIMIZE QUANTITY OF WIRE MOLD, AND CONCEAL ABOVE CEILING, TYPICAL.
28. EC TO REMOVE, SALVAGE AND REINSTALL EXISTING LIGHT FIXTURE. EC TO MODIFY LOCATION AS NECESSARY TO COORDINATE WITH NEW CEILING LAYOUT. TYPICAL UNLESS OTHERWISE NOTED.
29. EXISTING SPRINKLER HEAD AND PIPING LOCATED BELOW THE CEILING IS TO REMAIN, EXACT LOCATION TO BE VERIFIED IN THE FIELD, TYPICAL.
30. GC TO REMOVE EXISTING CEILING SYSTEM AND CONCEALED PLASTER ON LATHE, TYPICAL. SEE DETAIL 2/A1.21 FOR ADDITIONAL INFORMATION.
31. GC TO COORDINATE WORK WITH EXISTING VERTICAL SPRINKLER PIPE AND CEILING REMOVAL/INSTALLATION, TYPICAL.
32. GC TO REMOVE EXISTING CROWN MOLDING AND ADJACENT BOARDER FILL PANEL, TYPICAL. SEE DETAIL 2/A1.21 FOR ADDITIONAL INFORMATION.
33. EXISTING BALUSTRADE POSTS AT STAIR LANDING ABOVE TO REMAIN, TYPICAL.
34. EXISTING SOFFIT TO REMAIN. MECHANICAL UNIT CONCEALED BEHIND SOFFIT.
35. GC TO DEMO EXISTING WOOD FLOOR AND 2"x2" SLEEPER FRAMING SYSTEM. GC IS NOT TO DISTURB THE EXISTING 2"x3" EMBEDDED WOOD SLEEPERS AND ADJACENT CINDER FILL, TYPICAL UNLESS NOTED OTHERWISE. REFER TO DETAIL 2/A8.30 FOR ADDITIONAL INFORMATION.
36. GC TO DEMO EXISTING FLOOR FINISHES (VINYL AND BRICK PAVERS) AND APPROXIMATELY 3' OF CEMENTITIOUS FILL. EXISTING CINDER FILL AND ADJACENT 2"x3" EMBEDDED WOOD SLEEPERS ARE TO REMAIN, REFER TO DETAIL 4/A8.30 FOR ADDITIONAL INFORMATION.
37. GC TO DEMO EXISTING VINYL FLOOR FINISH & WOOD SUBSTRATE. GC IS NOT TO DISTURB THE EXISTING 2"x3" EMBEDDED WOOD SLEEPERS AND ADJACENT CINDER FILL, TYPICAL UNLESS NOTED OTHERWISE. REFER TO DETAIL 6/A8.30 FOR ADDITIONAL INFORMATION.
38. GC TO DEMO EXISTING WOOD FLOORING SYSTEM. GC IS NOT TO DISTURB THE EXISTING 2"x2" SLEEPER FRAMING SYSTEM, EXISTING 2"x3" EMBEDDED WOOD SLEEPERS AND ADJACENT CINDER FILL, TYPICAL UNLESS NOTED OTHERWISE. REFER TO DETAIL 8/A8.30 FOR ADDITIONAL INFORMATION.
39. EXISTING SKYLIGHT TO REMAIN, TYPICAL.
40. GC TO DEMO EXISTING COAL CHUTE AND FRAME IN ITS ENTIRETY. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
41. EC TO TEMPORARILY SUPPORT EXISTING ELECTRICAL METER. COORDINATE WITH GC WORK TO REMOVE AND REINSTALL NEW PARTITION.
42. PC TO RE-ROUTE EXISTING SANITARY, ROOF DRAIN, AND CONDENSATE PIPING AS REQUIRED. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
43. GC TO REMOVE EXISTING INCINERATOR IN ITS ENTIRETY, INCLUDING INCINERATOR DOORS, AND ASH REMOVAL DOORS BELOW. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
44. GC TO REMOVE EXISTING PIPE CHASE AT FLOOR IN ITS ENTIRETY. PC TO RE-ROUTE PIPING FOUND IN CHASE. EC TO RELOCATE ANY CONDUIT FOUND IN CHASE. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
45. GC TO DEMO EXISTING SHELIVING UNIT IN OUTDOOR STORAGE UNIT. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
46. GC TO DEMO EXISTING THRU-WALL LOUVER IN ITS ENTIRETY. COORDINATE WITH MC. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
47. GC TO CAREFULLY REMOVE & SALVAGE EXISTING DEDICATION BRICKS IN MULTI-PURPOSE ROOM FLOOR AND DEMO UNDERLAYMENT TO EXPOSE EXISTING CINDER FILL UNDERNEATH. GC SHALL PHOTO-DOCUMENT ALL BRICKS PRIOR TO REMOVAL. GC SHALL TURN DEDICATION BRICKS OVER TO OWNER FOR REINSTALLATION. COORDINATE WITH DEMOLITION OF ADJACENT FLOOR SURFACES.
48. MC TO DEMO EXISTING MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
49. GC TO DEMO EXISTING THRU-WALL SCUPPER AT ROOF IN ITS ENTIRETY.
50. GC TO TEMPORARILY REMOVE EXISTING WALL PADS AS REQUIRED TO INSTALL NEW FLOORING SYSTEM. GC SHALL PROTECT PADS DURING STORAGE FROM DAMAGE, RIPS, TEARS, ETC. REINSTALL WHEN FLOORING WORK IS COMPLETE.
51. GC TO DEMO EXISTING FLOOR REGISTER FOR HVAC SYSTEM AT MULTI-PURPOSE ROOM. PREP DUCTWORK BELOW AS REQUIRED TO RECEIVE NEW REGISTER.
52. EC TO DEMO EXISTING FLOOR MOUNT ELECTRICAL BOX IN ITS ENTIRETY. TEMPORARILY TERMINATE ALL CONNECTIONS PER NEC REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
53. GC SHALL CUT EXISTING CHAIR RAIL TO ACCOMODATE NEW OPENING IN EXISTING WALL. GC SHALL SCRAPE, SAND AND PREP EXISTING CHAIR RAIL TO RECEIVE NEW FINISH. GC TO FINISH CUT END OF CHAIR RAIL TO MATCH, COLOR PER OWNER'S SELECTION.
54. GC SHALL REMOVE EXISTING VINYL FLOOR TILE TO EXPOSE SUB-FLOOR UNDERNEATH. GC SHALL PREP EXISTING SUB-FLOOR AS REQUIRED TO RECEIVE NEW FILL MATERIAL TO RAISE FLOOR. SEE PROPOSED PLANS FOR ADDITIONAL INFORMATION.
55. EXISTING SINK TO REMAIN.
56. EXISTING SWITCHGEAR TO REMAIN.
57. GC TO REMOVE EXISTING METAL PLATE & BLOCKING BEHIND IN ITS ENTIRETY TO EXPOSE EXISTING OPENING.
58. GC TO DEMO EXISTING CLOSURE AROUND EXISTING COMPRESSOR IN ITS ENTIRETY.
59. EXISTING ELECTRICAL PANELS TO REMAIN UNLESS NOTED OTHERWISE. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
60. GC TO REMOVE EXISTING ASPHALT PAVEMENT, CONCRETE CURBING, GRASS AREA, ETC. TO ACCOMMODATE NEW ELEVATOR & CLASSROOM ADDITION. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
61. EC TO DISCONNECT EXISTING GENERATOR IN ITS ENTIRETY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
62. GC TO DEMO EXISTING CHAIN LINK FENCE IN ITS ENTIRETY INCLUDING GATES, POSTS, LATCHES, ETC.
63. GC TO DEMO EXISTING BOLLARDS IN THEIR ENTIRETY, TYPICAL.
64. GC TO DEMO EXISTING ABANDONED CONCRETE TRANSFORMER PAD IN ITS ENTIRETY.
65. GC TO REMOVE EXISTING WALL FINISH FOR MC TO REMOVE ABANDON RADIATOR WITHIN WALL. COORDINATE WITH MC.
66. EXISTING FLOORING TO REMAIN, TYPICAL.
67. GC SHALL LEVEL/PATCH EXISTING SUB-FLOOR TO RECEIVE NEW FLOOR FINISH. SEE FLOOR FINISH PLANS & SCHEDULE FOR ADDITIONAL INFORMATION.
68. GC TO MODIFY EXISTING ROOF PARAPET TO ACCOMMODATE NEW EXTERIOR WALL ABOVE. SEE PROPOSED ROOF PLANS & SECTION DRAWINGS FOR ADDITIONAL INFORMATION.
69. EXISTING CEILING TO REMAIN.
70. GC TO DEMO EXISTING WINDOW UNIT. ADJACENT WINDOWS IN UNIT TO REMAIN.
71. MC TO DEMO EXISTING PIPE CHASE ENCLOSURE AND PIPING AS REQUIRED. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
72. EXISTING CASEWORK TO REMAIN. PROTECT DURING CONSTRUCTION.
73. GC TO DEMO EXISTING THRU-WALL SCUPPER IN ITS ENTIRETY & INFILL OPENING. SEE PROPOSED PLAN FOR ADDITIONAL INFORMATION AND NEW SCUPPER LOCATION.
74. GC TO DEMO EXISTING BUILT-OUT CHASE. MC TO TERMINATE AND REMOVE ANY PIPING WITHIN CHASE. EC TO DEMO ANY EXISTING CONDUIT WITHIN CHASE. SEE MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
75. GC TO DEMO EXISTING BASE MOLDING, TYPICAL.
76. GC TO DEMO EXISTING WALL-MOUNTED TACK STRIP, TYPICAL.
77. EC TO CAREFULLY REMOVE AND SALVAGE EXISTING WALL-MOUNT CLOCK. EC SHALL RETURN CLOCK TO OWNER. GC TO PATCH/REPAIR WALL AS REQUIRED.
78. EC TO CAREFULLY REMOVE AND SALVAGE EXISTING WALL-MOUNT PA SPEAKER. EC SHALL RETURN PA SPEAKER TO OWNER. GC TO PATCH/REPAIR WALL AS REQUIRED.
79. GC TO DEMO EXISTING WALL MOUNT HAND SANITIZER UNIT. CONFER WITH OWNER FOR SALVAGE PRIOR TO REMOVAL.
80. EC TO REMOVE EXISTING WIRE MOLD & ELECTRICAL BOXES. TERMINATE ALL WIRING PER NEC REQUIREMENTS. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
81. GC TO REMOVE EXISTING WALL-MOUNTED TEACHER PRESENTATION UNIT (SMARTBOARD, WHITE BOARD, BLACK BOARD, TACK BOARD, PIN BOARD, WORLD MAP, ETC.) IN ITS ENTIRETY. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
82. EC TO REMOVE EXISTING FIRE ALARM DEVICE. SEE FIRE ALARM DRAWINGS FOR ADDITIONAL INFORMATION.
83. GC TO DEMO PORTION OF EXISTING MASONRY PARAPET WALL FOR INSTALLATION OF NEW SCUPPER. SEE PROPOSED ROOF PLAN AND DETAILS FOR ADDITIONAL INFORMATION.
84. EXISTING HAND SANITIZER UNIT TO REMAIN, TYPICAL UNLESS OTHERWISE NOTED.
85. EC TO MODIFY EXISTING WIRE MOLD, WIRING, SWITCH BOXES, DATA/TELEPHONE JACKS, RECEPCLACES, ETC. AS REQUIRED TO COORDINATE WITH NEW CONSTRUCTION. TERMINATE ALL CONNECTIONS PER NEC REQUIREMENTS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
86. EXISTING ROOFING TO REMAIN, TYPICAL.
87. GC TO REMOVE EXISTING SINK AND FAUCET AND SALVAGE FOR REINSTALLATION. PC TO DISCONNECT AND TEMPORARILY CAP EXISTING PLUMBING AS REQUIRED. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
88. GC TO REMOVE EXISTING WALL MOUNTED SHELIVING. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
89. EC TO REMOVE EXISTING WIRELESS ACCESS POINT (WAP) AND ALL ASSOCIATED WIRING AND WIRE MOLD. EC TO RETURN WAP TO OWNER. TERMINATE ALL CONNECTIONS IN AN APPROVED MANNER AND PER NEC REQUIREMENTS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
90. EXISTING GENERATOR HOUSEKEEPING PAD TO REMAIN.
91. EXISTING SPRINKLER HEAD TO REMAIN UNLESS OTHERWISE NOTED, TYPICAL. GC SHALL PROTECT DURING CONSTRUCTION AND COORDINATE WITH PROPOSED WORK.
92. GC SHALL TEMPORARILY SUPPORT EXISTING SPEAKER FOR P.A. SYSTEM & PROTECT DURING CONSTRUCTION. REINSTALL SPEAKER IN NEW CEILING. REFER TO PROPOSED REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.
93. MC TO DEMO EXISTING ROOF MOUNTED EXHAUST FAN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
94. GC TO DEMO EXISTING RAILING AT OUTDOOR STAIR IN ITS ENTIRETY.
95. GC TO DEMO EXISTING BILCO DOORS IN THEIR ENTIRETY.
96. GC TO DEMO EXISTING CONCRETE PIER IN ITS ENTIRETY.
97. EC TO DEMO EXISTING SURFACE MOUNTED LIGHT FIXTURES, LOUDSPEAKERS, SECURITY CAMERAS, ETC. AND SALVAGE FOR REINSTALLATION. ALSO DEMO ASSOCIATED SURFACE MOUNTED CONDUIT.
98. GC TO SAW-CUT AND REMOVE EXISTING SLAB AT PERIMETER OF GYMNASIUM FLOOR TO A DISTANCE OF 2'-0" FROM GYMNASIUM WALL (AND BLEACHERS). REMOVE EXISTING UNDER-SLAB MATERIAL TO A DEPTH OF 18" BELOW BOTTOM OF EXISTING SLAB. VERIFY ACTUAL UNDER-SLAB CONDITIONS IN FIELD. CONTRACTOR SHALL TAKE CAUTION TO NOT UNDERMINE EXISTING BUILDING FOOTING.
99. GC TO REMOVE EXISTING RUBBER FLOORING AND UNDERLAYMENT FROM GYMNASIUM FLOOR IN ITS ENTIRETY AND DISCARD. PREP FLOOR TO RECEIVE NEW FLOORING. SEE A2.01 AND FLOOR FINISH PLANS ON A2.26 FOR ADDITIONAL INFORMATION.
100. EXISTING WALL PADDING TO REMAIN. GC TO PROTECT FROM DAMAGE.
101. GC TO DEMO EXISTING SUMP PIT ENCLOSURES (2 TOTAL) IN THEIR ENTIRETY AND DISCARD. REMOVE ALL LEDGERS FROM EXISTING WALLS AND/OR FLOOR AND PATCH/REPAIR EXISTING SUBSTRATE AS NECESSARY.
102. GC TO SAW-CUT AND REMOVE 5'-0"W X 5'-0"L PORTION OF EXISTING SLAB, AND EXCAVATE TO A DEPTH OF 5'-0" BELOW TOP OF SLAB AT SUMP PIT LOCATION TO ACCOMMODATE NEW SUMP BASIN. VERIFY ACTUAL UNDER-SLAB CONDITIONS IN FIELD. CONTRACTOR SHALL TAKE CAUTION TO NOT UNDERMINE EXISTING BUILDING FOOTING.
103. EXISTING BLEACHERS TO REMAIN, TYPICAL.
104. EXISTING STEP TO BE REMOVED & RECONSTRUCTED. CONTRACTOR TO NOTE SIZE, TREAD DEPTH, AND RISER HEIGHT PRIOR TO DEMOLITION. SEE A2.01 FOR ADDITIONAL INFORMATION.
105. GC TO POWERWASH EXISTING STUCCO AT ROOF PARAPET WALLS TO PREP FOR NEW LIQUID COATING. SEE PROPOSED FLOOR ROOF PLAN AND CONSTRUCTION KEY NOTES FOR ADDITIONAL INFORMATION.
106. MC TO REMOVE EXISTING UNIT VENTILATOR AND SALVAGE FOR REINSTALLATION. PC TO TEMPORARILY CAP ALL PIPING. EC TO TEMPORARILY TERMINATE ALL ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS. MC TO STORE IN SAFE LOCATION TO PREVENT DAMAGE TO EXISTING UNIT VENTILATOR. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
107. GC TO REMOVE AND DISCARD EXISTING VINYL WALL BASE TO FACILITATE FLOORING REPLACEMENT.
108. GC TO REMOVE AND DISCARD EXISTING QUARTER-ROUND MOLDING AT BASE OF WALL TO FACILITATE FLOORING REPLACEMENT. CONTRACTOR SHALL SALVAGE WOOD BASE MOLDING BEHIND QUARTER ROUND AND PROTECT DURING CONSTRUCTION. IF WOOD BASE IS DAMAGED, CONTRACTOR SHALL REPAIR OR REPLACE AT NO ADDITIONAL COST TO THE OWNER.
109. EXISTING COMPUTERS AND FURNISHINGS TO BE REMOVED BY THE OWNER.
110. EC TO REMOVE EXISTING SURFACE MOUNTED LIGHTING FIXTURES TO ACCOMMODATE THE CONSTRUCTION OF THE NEW CORRIDOR AND SGI ROOM. TURN OVER FIXTURES TO OWNER. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

#

SYMBOL INDICATES DEMOLITION KEY NOTE

Date

1/10/20

Checked

DLF

Drawn

TT

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DEMOLITION KEY NOTES

2019 BOND REFERENCE

MAMARONECK AVENUE ELEMENTARY SCHOOL

MAMARONECK UNION FREE SCHOOL DISTRICT

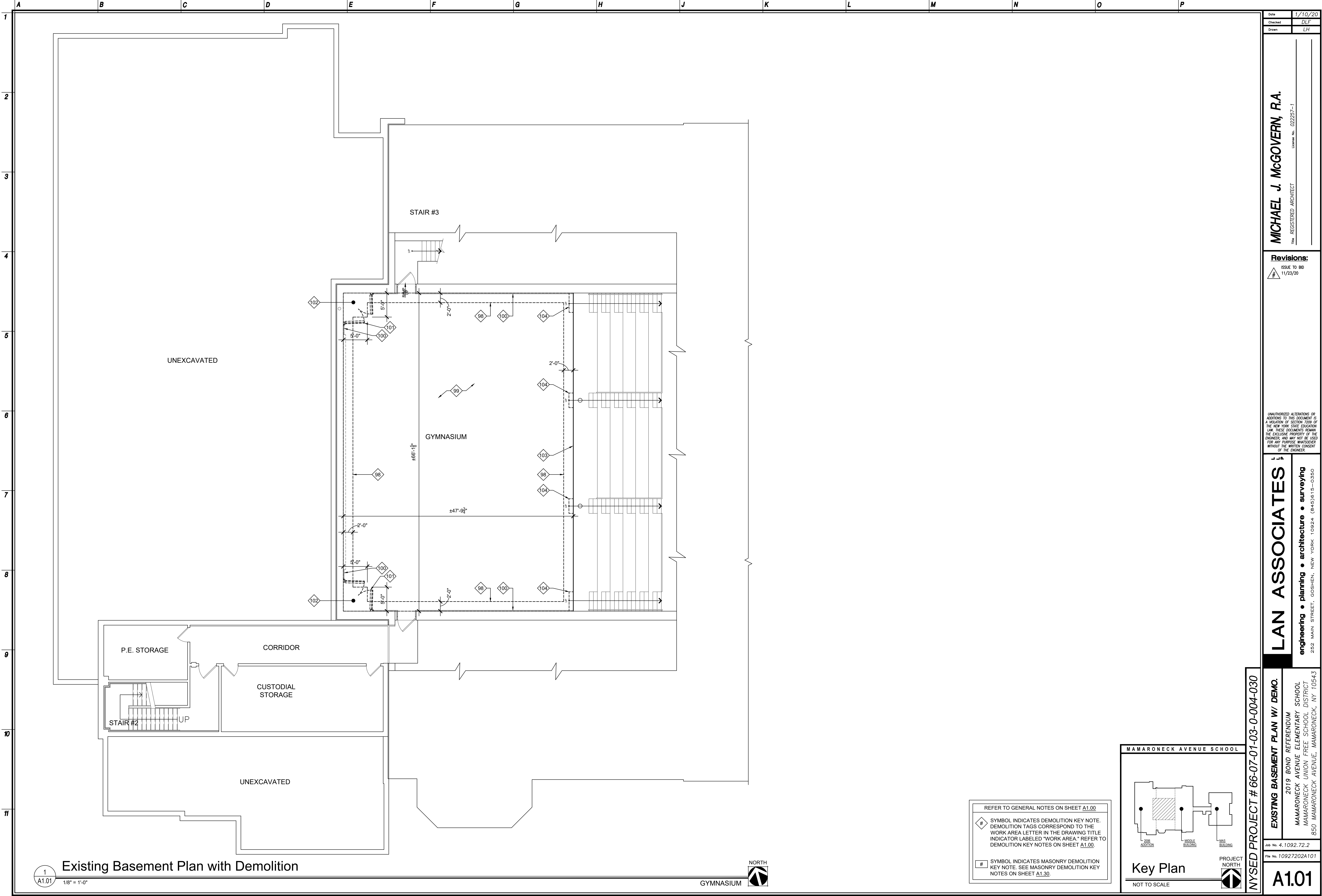
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 10927202A100

A1.00

NYSED PROJECT # 66-07-01-03-0-004-030



REFER TO GENERAL NOTES ON SHEET **A1.00**

SYMBOL INDICATES DEMOLITION KEY NOTE. DEMOLITION TAGS CORRESPOND TO THE WORK AREA LETTER IN THE DRAWING TITLE INDICATOR LABELED "WORK AREA." REFER TO DEMOLITION KEY NOTES ON SHEET **A1.00**.

SYMBOL INDICATES MASONRY DEMOLITION KEY NOTE. SEE MASONRY DEMOLITION KEY NOTES ON SHEET **A1.30**.

MAMARONECK AVENUE SCHOOL

Key Plan

NOT TO SCALE

NYSED PROJECT # 66-07-01-03-0-004-030

EXISTING BASEMENT PLAN W/ DEMO.

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 10927202A101

A1.01

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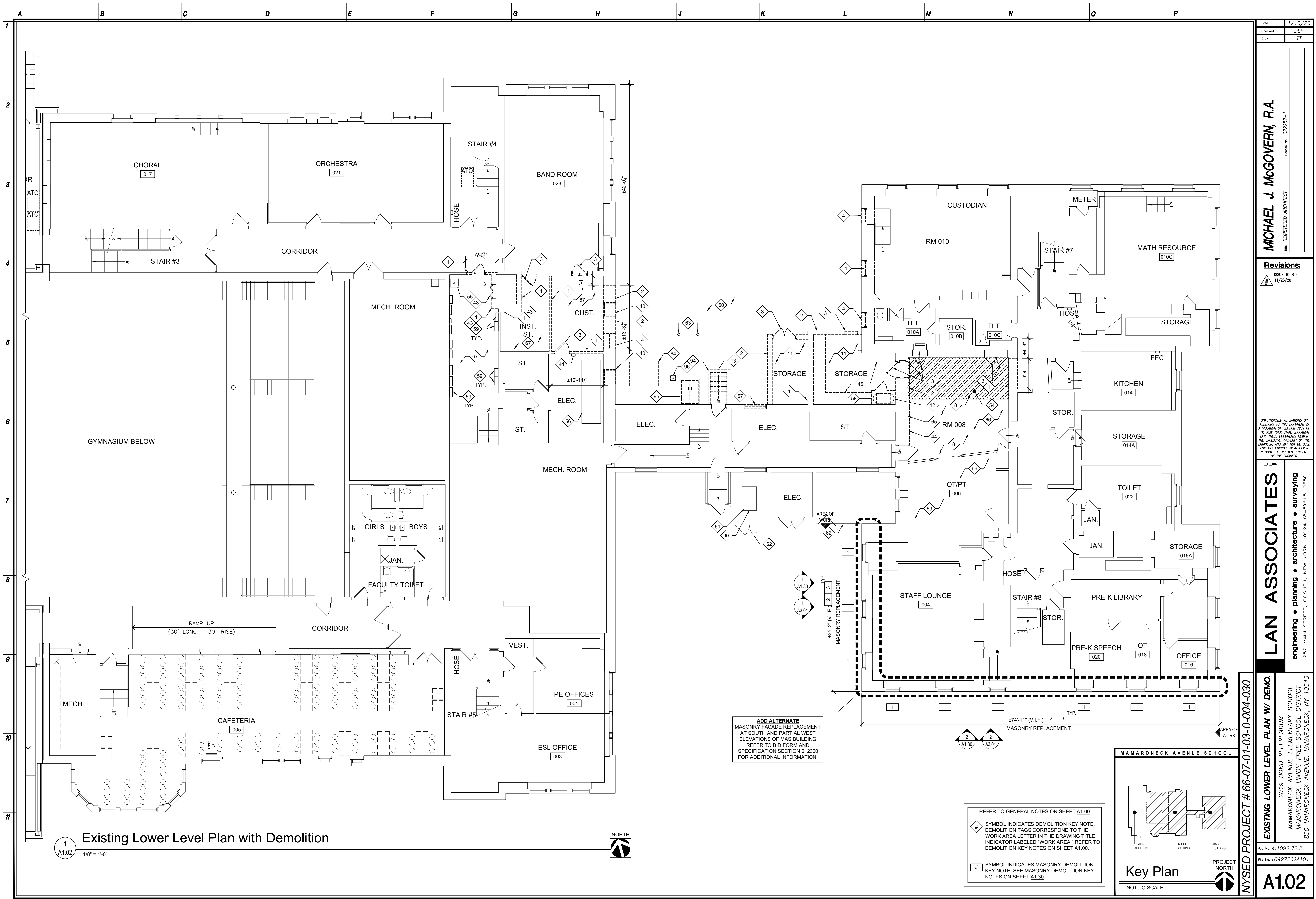
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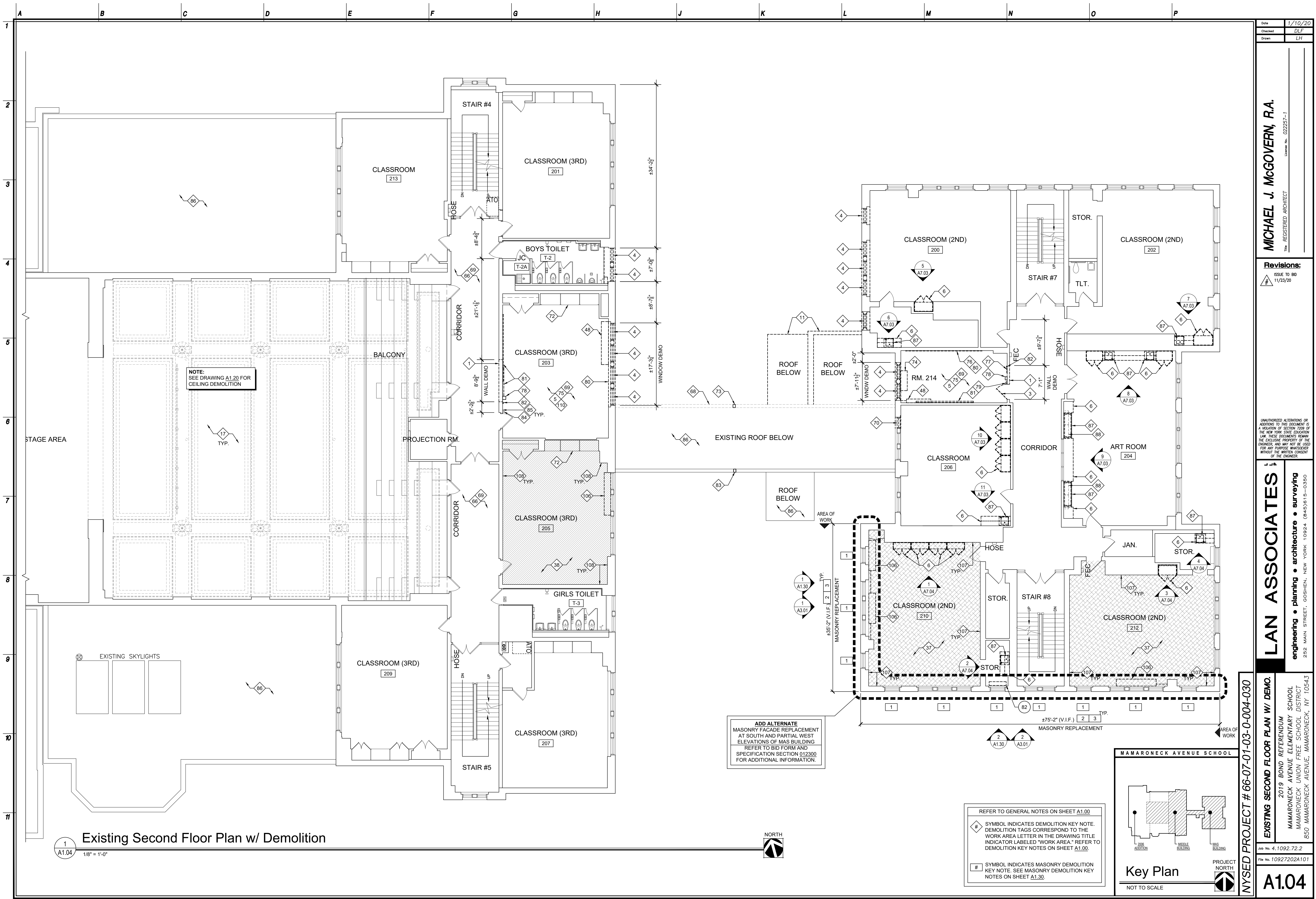
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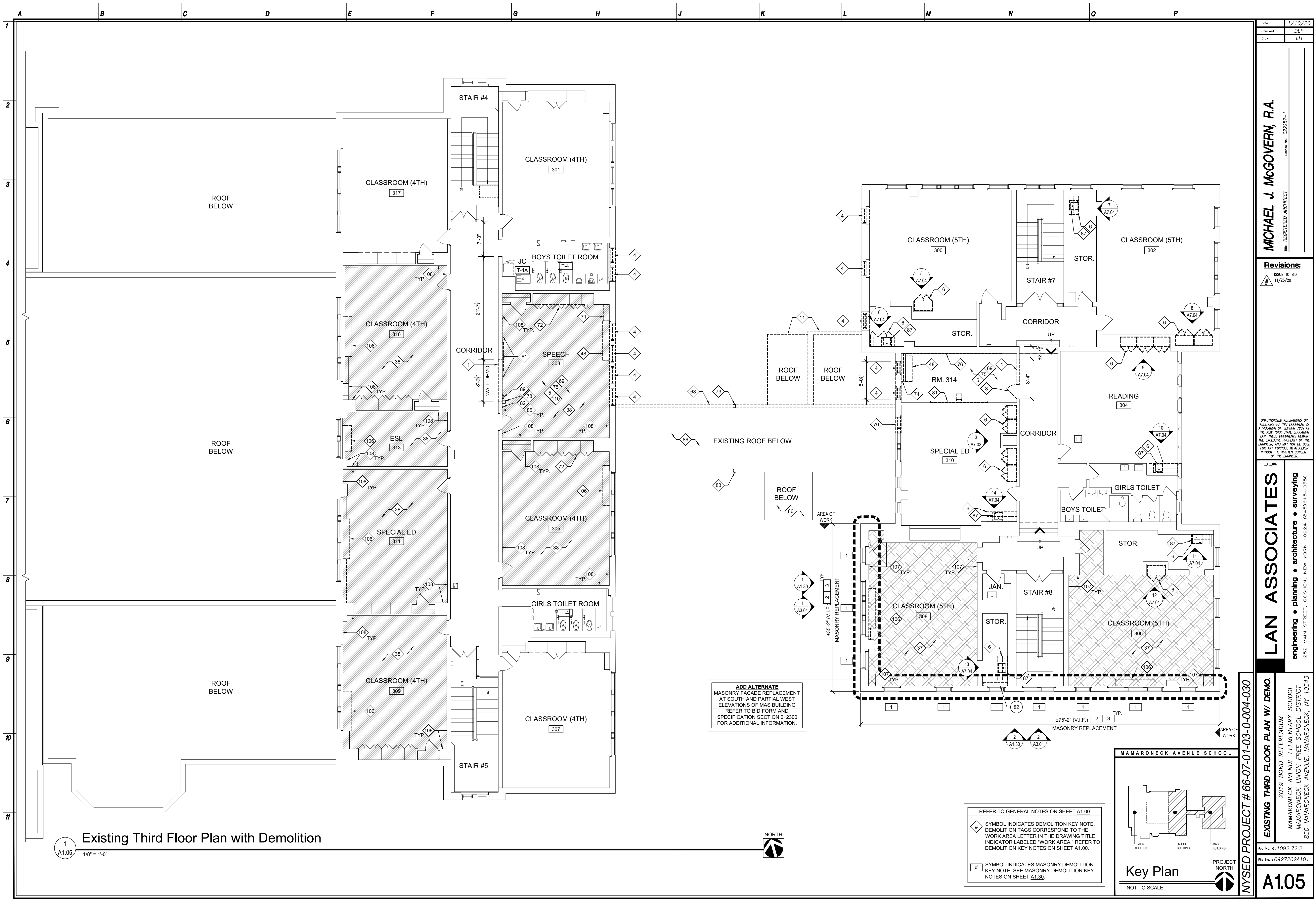
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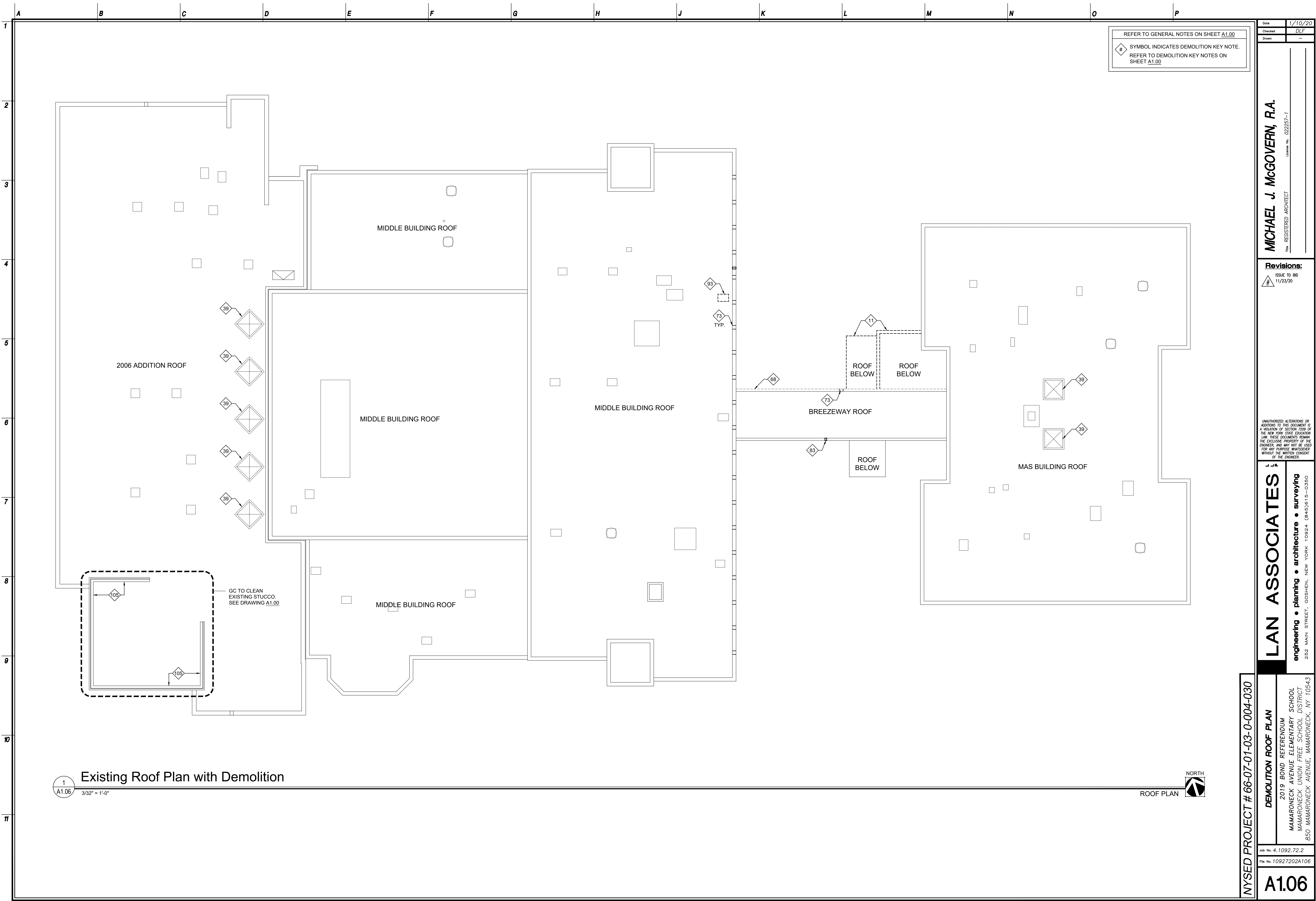
EXISTING THIRD FLOOR PLAN W/ DEMO.

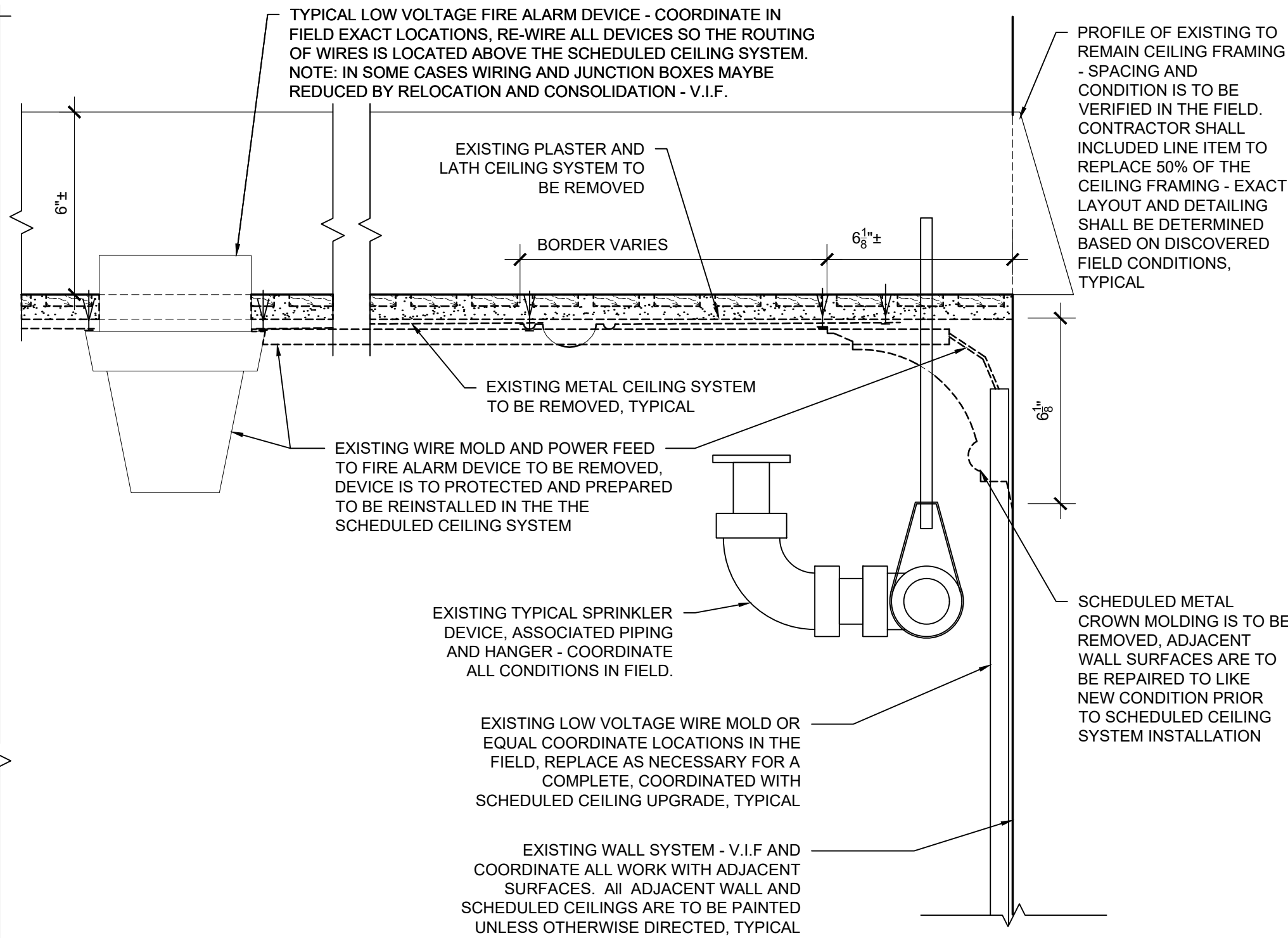
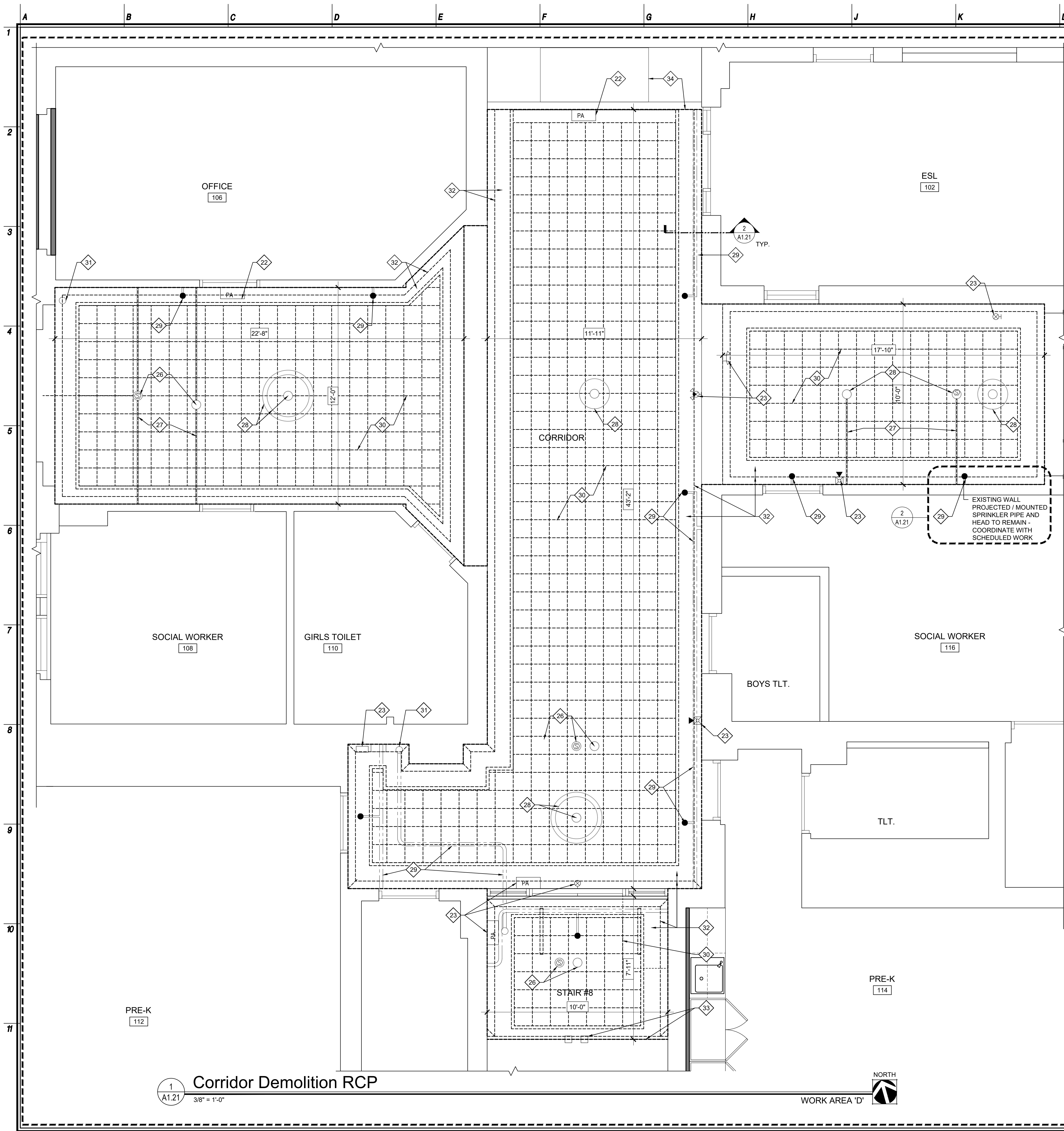
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 10927202A101

A1.05





2
A1.21
3" = 1'-0"

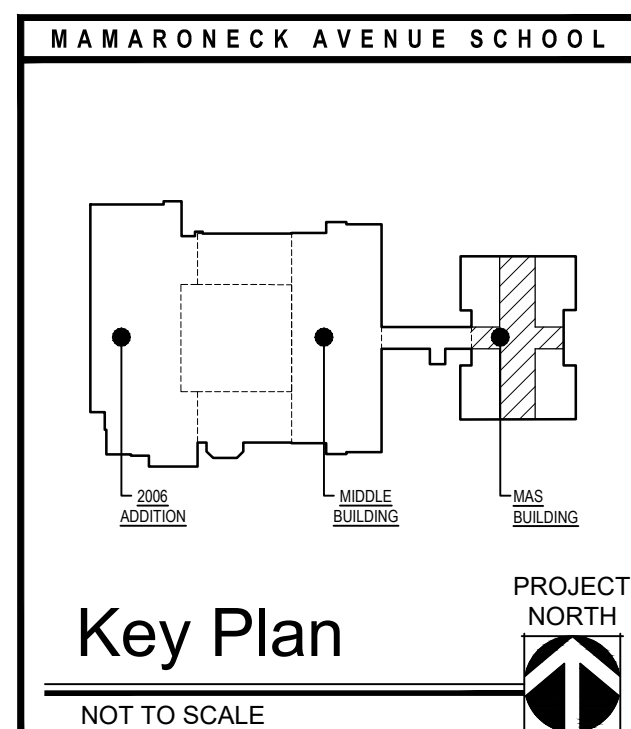
Detail Section at Metal Ceiling

ADD ALTERNATE
MAS FIRST FLOOR CORRIDOR
CEILING REPLACEMENT
REFER TO BID FORM AND
SPECIFICATION SECTION 012300
FOR ADDITIONAL INFORMATION.

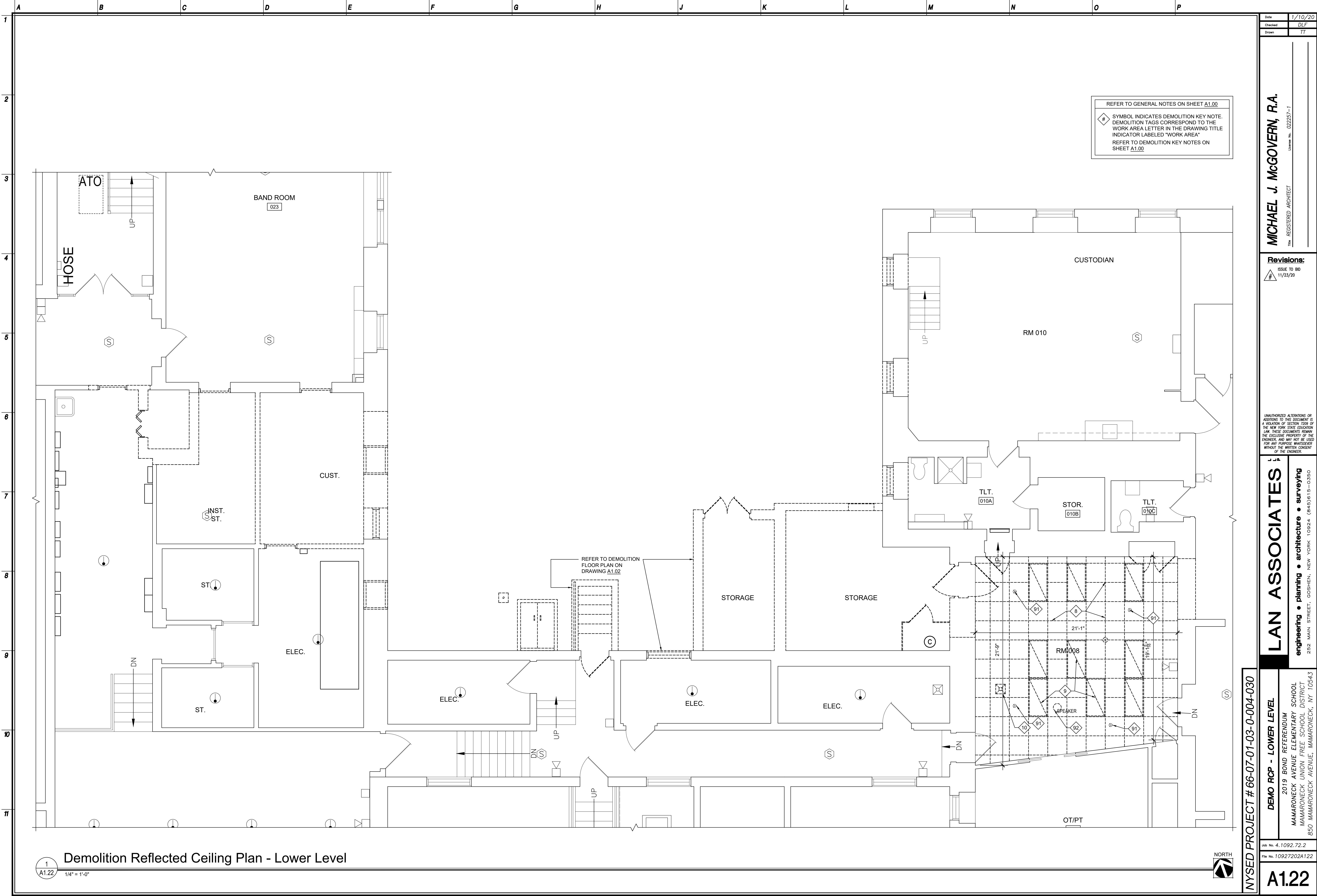
REFER TO GENERAL NOTES ON SHEET A1.00

SYMBOL INDICATES DEMOLITION KEY NOTE. DEMOLITION TAGS CORRESPOND TO THE WORK AREA LETTER IN THE DRAWING TITLE INDICATOR LABELED "WORK AREA"

REFER TO DEMOLITION KEY NOTES ON SHEET A1.00



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NYSED PROJECT # 66-07-01-03-0-004-030 CORRIDOR DEMOLITION RCP 2019 BOND REFERENCE MAMARONECK AVENUE ELEMENTARY SCHOOL MAMARONECK UNION FREE SCHOOL DISTRICT 850 MAMARONECK AVENUE, MAMARONECK, NY 10543	
Job No. 4,1092.72.2	File No. 10927202A121
A1.21	



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NYSed PROJECT # 66-07-01-03-0-004-030	
DEMO RCP - LOWER LEVEL	2019 BOND REFERENCE
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Job No. 4.1092.72.2	File No. 10927202A122

A1.22

Symbol Legend	
	AREA OF MASONRY (BRICK AND STONE) REMOVAL AND REPLACEMENT WITH NEW BRICK AND EXISTING STONE. REFER TO NOTES 2 3
	EXIST. CRACK EXISTING CRACKED BRICK. REFER TO REPAIR DETAILS ON A8.21

Brick Veneer Replacement Notes

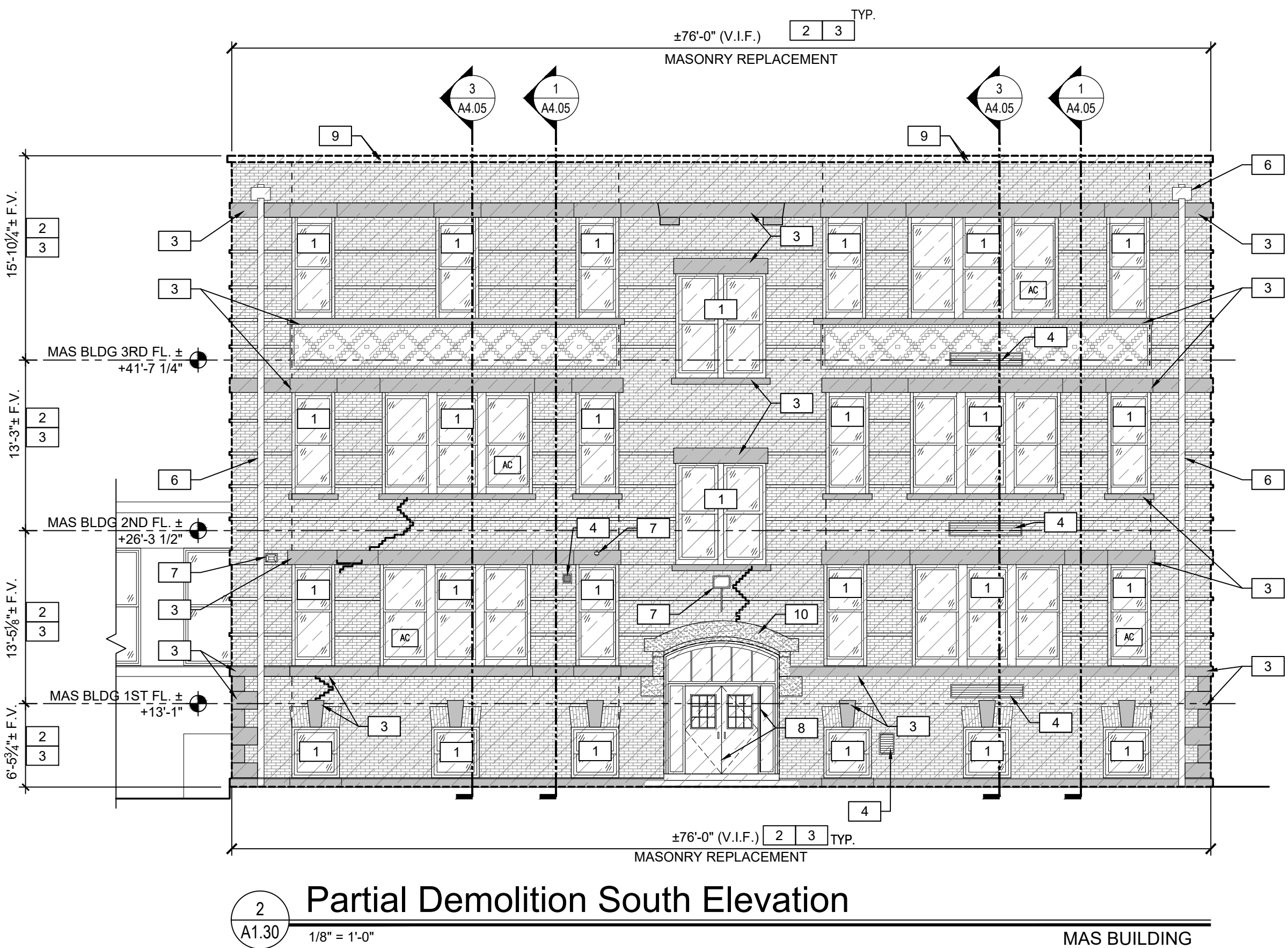
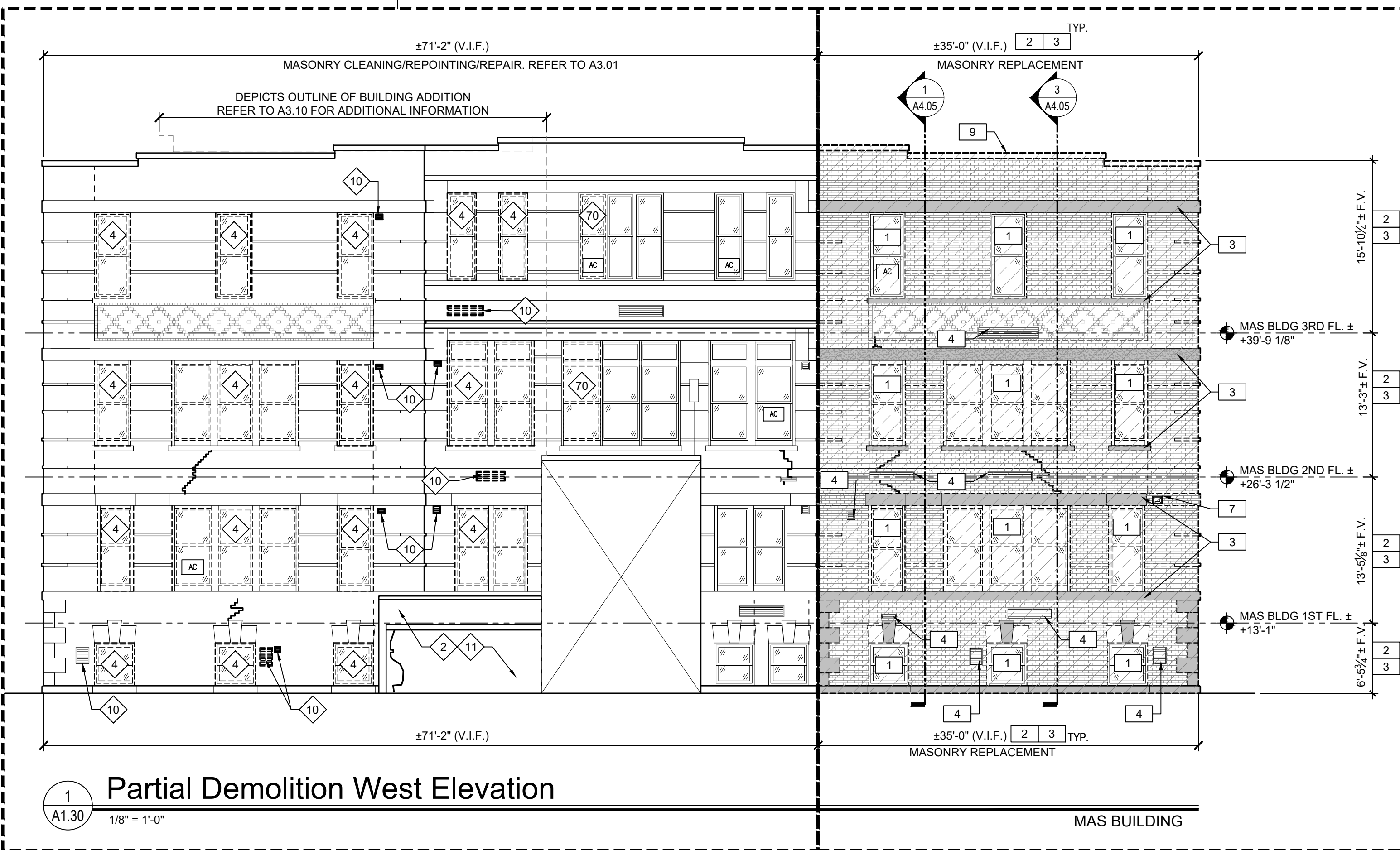
1. THE WORK SHALL CONSIST OF THE REMOVAL AND REPLACEMENT OF THE EXTERIOR BRICK VENEER, FLASHINGS, WATERPROOFING, UNIT VENTILATOR LOUVERS AND WALL SLEEVES AS INDICATED ON THE DRAWINGS. WORK SHALL ALSO INCLUDE THE REMOVAL, SALVAGING, AND RE-INSTALLATION OF EXISTING WINDOWS AND CAST STONE SILLS, HEADERS, AND BANDS.
2. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS AND THE EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL SUBMIT A SCHEDULE AND SEQUENCE OF THE WORK FOR REVIEW PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS IN THE PERFORMANCE OF THE WORK AND TO MAINTAIN A SAFE WORKSITE FOR THE WORKMEN, BUILDING OCCUPANTS AND PEDESTRIANS AND TO PROTECT EXISTING BUILDING COMPONENTS AND SITE FEATURES TO REMAIN.
3. THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE ARCHITECT/ENGINEER TO INSPECT THE FIELD CONDITIONS AT EACH STAGE OF THE WORK TO VERIFY THE EXISTING CONSTRUCTION. NO FABRICATIONS OF NEW COMPONENTS SHALL BE MADE UNTIL THE EXISTING CONDITIONS ARE VERIFIED AND MEASURED IN THE FIELD AT EACH LOCATION.
4. THE EXISTING LINTELS OVER THE LARGE WINDOWS SHALL BE EXPOSED BY THE CONTRACTOR AND INSPECTED IN THE FIELD BY THE ENGINEER AT THE START OF WORK. FIELD CONDITIONS MAY REQUIRE MODIFICATION TO THE SPECIFIED REPAIR DETAIL. NO FABRICATION OF NEW COMPONENTS SHALL BE MADE UNTIL THE FIELD CONDITIONS ARE DETERMINED AND THE REPAIR DETAILS VERIFIED.
5. EXISTING BRICK BACKUP WALLS SHALL BE STABILIZED AS DIRECTED IN FIELD BY ARCHITECT/ENGINEER WITH STAINLESS STEEL HELICAL ANCHORS AT 24" OC HORIZONTALLY AND 16" OC VERTICALLY. ADDITIONAL ANCHORS SHALL BE LOCATED AT 8" OC AROUND ALL VENEER OPENINGS AND ALONG ALL VERTICAL JOINTS. ANCHORS SHALL BE HECKMANN #301 REMEDIAL TIES, 10 MM DIAMETER. THE ANCHOR LENGTH SHALL BE DETERMINED BASED ON FIELD MEASUREMENTS OF THE EXISTING WALL.
6. THE NEW BRICK VENEER SHALL BE ANCHORED TO EXISTING BRICK BACKUP WALL WITH NEW CONCRETE SEAL TIE ANCHORS WITH 2-SEAL BYN4-OK WIRE TIE" BY "HOHMANN & BERNARD, INC." MINIMUM SPACING OF 16" O.C. VERTICAL AND 24" O.C. HORIZONTAL.

Brick Veneer Demolition Key Notes

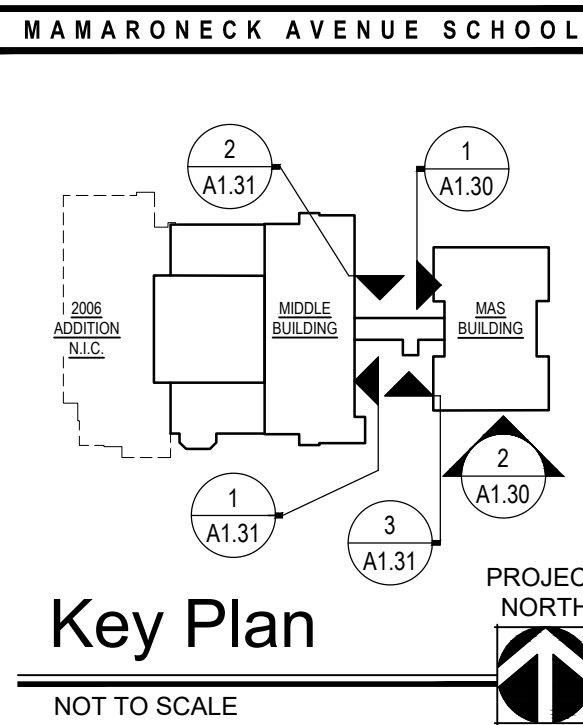
- # DEMOLITION KEY NOTE SYMBOL
- REFER TO PLANS, SECTIONS & ELEVATIONS
1. CONTRACTOR TO CAREFULLY REMOVE EXISTING WINDOWS AND SALVAGE FOR REINSTALLATION. REMOVE EXISTING EXTERIOR SILL AND WINDOW PANNING, WOOD SASH BOX, EXISTING WINDOW BLOCKING, AND INTERIOR WOOD TRIM. CONTRACTOR TO TEMPORARILY REMOVE EXISTING WINDOW BLINDS AS REQUIRED TO PERFORM RENOVATIONS AND REINSTALL UPON COMPLETION. PROVIDE NEW WINDOW LINTELS AND COLUMNS (WHERE APPLICABLE) PER DETAILS 3&5/A8.20.
 2. CONTRACTOR TO REMOVE EXISTING BRICK VENEER IN LOCATIONS SHOWN ON THE DRAWINGS TO EXPOSE EXISTING BRICK BACK UP WALL. CONTRACTOR TO REMOVE EXISTING FACE BRICK WALL ANCHORS IF APPLICABLE. CONTRACTOR SHALL SHORE MASONRY ABOVE AS REQUIRED TO PERFORM WORK AND INSTALL TEMPORARY COVERINGS TO PROTECT ALL NEWLY EXPOSED SURFACES FROM MOISTURE INFILTRATION DURING CONSTRUCTION.
 3. CONTRACTOR TO REMOVE, SALVAGE AND REINSTALL EXISTING CAST STONE SILLS AND BANDING. REPLACE ALL DAMAGED PIECES WHERE APPLICABLE TO MATCH EXISTING.
 4. CONTRACTOR TO REMOVE EXISTING UNIT VENTILATOR LOUVER & SLEEVE AND PREPARE FOR NEW LOUVER SLEEVE PER DETAIL 6/A8.20. SECTION DRAWING 5/A4.05 AND NEW FLASHING PER DETAIL 12/A8.20.
 5. CONTRACTOR TO EXPOSE EXISTING STEEL LINTEL AND NOTIFY ARCHITECT/ENGINEER FOR VISUAL INSPECTION OF THE CONDITION OF THE EXISTING LINTEL. REFER TO DETAILS 3&5/A8.20 FOR REPAIR FOLLOWING INSPECTION.
 6. CONTRACTOR TO REMOVE EXISTING SCUPPER BOX AND LEADER, SALVAGE FOR REINSTALLATION.
 7. CONTRACTOR TO REMOVE EXISTING SURFACE MOUNTED LIGHTING FIXTURES, LOUSPEAKERS, SECURITY CAMERAS, ETC & SALVAGE FOR REINSTALLATION.
 8. EXISTING DOORS & FRAMES TO REMAIN. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT DOORS & FRAMES DURING REMOVAL & REINSTALLATION OF BRICK VENEER.
 9. CONTRACTOR TO REMOVE EXISTING METAL ROOF COPING AND BLOCKING OR CAST STONE COPING BELOW (VERIFY IN FIELD), REPLACE WITH NEW METAL COPING.
 10. EXISTING CAST STONE TO REMAIN. CLEAN CAST STONE. REPOINT ALL JOINTS.

ADD ALTERNATE
MASONRY RESTORATION AT
MIDDLE BUILDING
REFER TO BID FORM AND
SPECIFICATION SECTION 012300
FOR ADDITIONAL INFORMATION.

ADD ALTERNATE
MASONRY FACADE REPLACEMENT
AT SOUTH AND PARTIAL WEST
ELEVATIONS OF MAS BUILDING
REFER TO BID FORM AND
SPECIFICATION SECTION 012300
FOR ADDITIONAL INFORMATION.



REFER TO DEMOLITION NOTES ON SHEET A1.00
SYMBOL INDICATES DEMOLITION KEY NOTE.
DEMOLITION TAGS CORRESPOND TO THE
WORK AREA LETTER IN THE DRAWING TITLE
INDICATOR LABELED "WORK AREA"
REFER TO DEMOLITION KEY NOTES ON
SHEETS A1.00



Date 1/10/20
Checked DLF
Drawn TT

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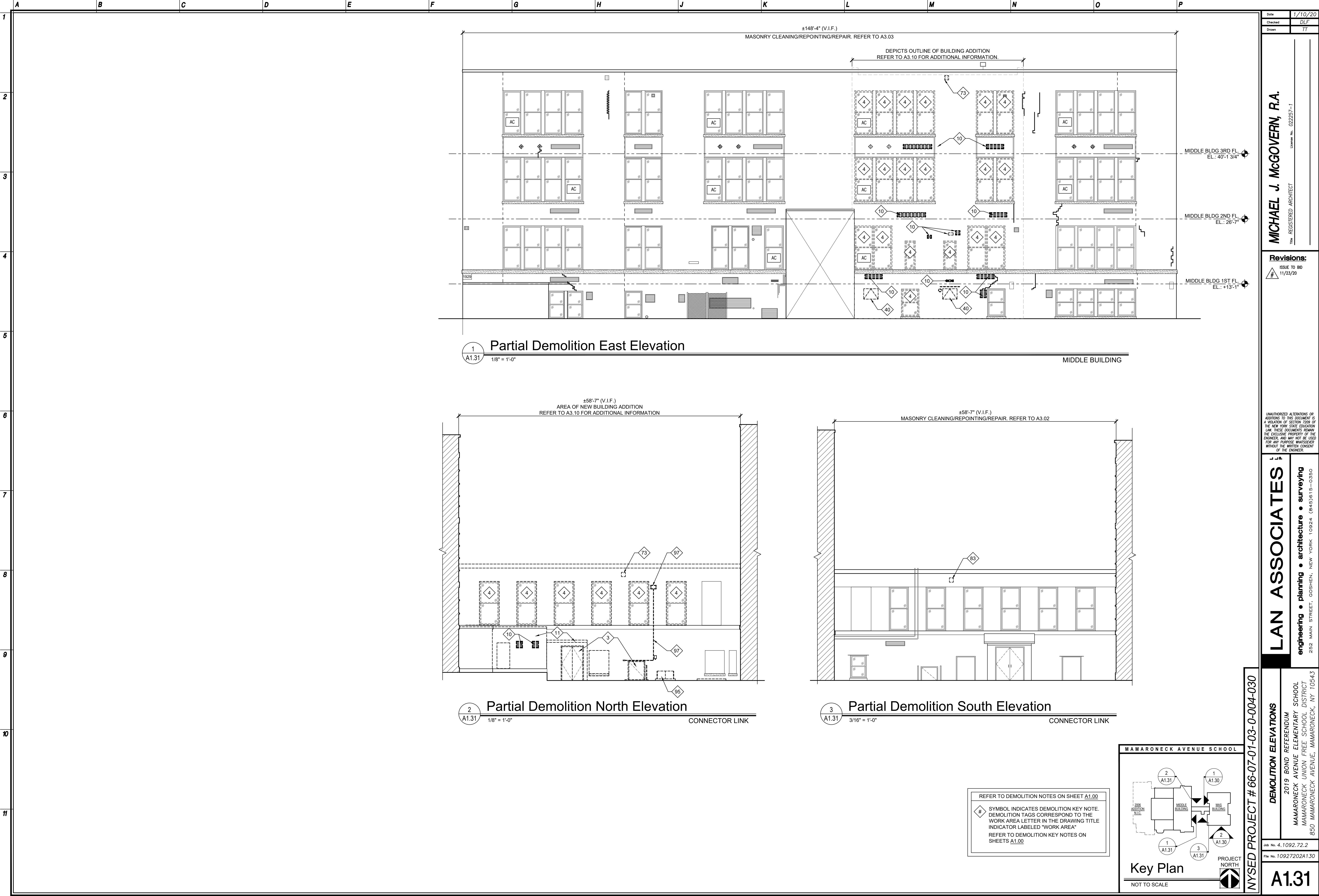
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252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)819-0350

DEMOLITION ELEVATIONS
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2
File No. 10927202A130

NYSED PROJECT # 66-07-01-03-0-004-030

A130



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DEMOLITION ELEVATIONS
2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543



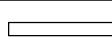
Job No. 4.1092.72.2
File No. 10927202A130

A1.31

NYSED PROJECT # 66-07-01-03-0-004-030

1. **DIMENSIONS SHOWN ARE FROM FACE OF FINISH MATERIALS UNLESS NOTED OTHERWISE.**
2. **CONTRACTOR SHALL INSTALL THROUGH-PENETRATION FIRESTOPS, DRAINAGE, FIRE CAULKING, ETC. AS REQUIRED AT ALL CEILING/WALL PENETRATIONS TO ENSURE THE STRUCTURAL INTEGRITY AND CONT. FIRE RATING OF THE ASSEMBLY. (COORDINATE WITH PARTITION TYPES AS REQUIRED.) REFER TO PARTITION TYPES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.**
3. **SEAL TOP OF ALL PARTITIONS. FILL ALL VOIDS WITH ACOUSTIC SEALANT CONTINUOUS. (COORDINATE WITH PARTITION TYPES AS REQUIRED.)**
4. **INSTALLATOR SHALL PROVIDE WOOD BLOCKING AS REQUIRED FOR CONNECTION OF ALL WALL/MOUNTED EQUIPMENT AND CASEWORK. TYPE "P" PROVIDE WOOD BLOCKING IN TOILET ROOMS. TYPE "B" BLOCKING SHALL BE PROVIDED AS PER SPECIFICATION SECTION 601000 - ROUGH CARPENTRY.**

(REFER TO DEMOLITION &
PROPOSED FLOOR PLANS)

PROPOSED	
SYMBOL	DESCRIPTION
	NEW CONSTRUCTION (FRAMING)
	EXISTING WALLS TO REMAIN
	NEW DOORS

GC TO PATCH HOLES LEFT DUE TO REMOVAL OF DUCTWORK ETC. IN MASONRY AND OTHER WALL/FLOOR/CEILING CONSTRUCTION WITH NEW MATERIAL TO MATCH EXISTING. PAINT TO MATCH ADJACENT SURFACES WHERE APPLICABLE. GC TO COORDINATE WITH MC FOR EXACT LOCATION AND EXTENT OF REPAIR WORK.

GC - GENERAL CONTRACTOR
MC - MECHANICAL CONTRACTOR
EC - ELECTRICAL CONTRACTOR
PC - PLUMBING CONTRACTOR

GC TO PRIME AND PAINT EXISTING WOOD TRIM ALL AROUND ENTRY WITH (1) PRIMER COAT AND (2) FINISH COATS. NOTE ANY GOUGES, DAMAGE AND/OR ROT SHALL BE REPAIRED TO LIKE NEW CONDITION. SEE DRAWING A2.03 FOR ADDITIONAL KEY NOTE LOCATIONS AND TYPICAL DETAIL. PROFILE ON DRAWING A8.30.

2. GC TO REINSTALL EXISTING ELECTRIC METER ON NEW INTERIOR PARTITION. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

3. GC TO INSTALL SCHEDULED FINISH FLOORING, FLOOR SYSTEM, ASSOCIATED ASSEMBLIES AND VINYL COVE BASE. GC IS NOT TO DISTURB THE EXISTING 2"x3" SLEEPERS AND ADJACENT CINDER FILL, TYPICAL UNLESS NOTED OTHERWISE. PREFER TO DETAIL 1/A8.30 AND FLOOR FINISH PLANS FOR ADDITIONAL INFORMATION.
-RESERVED-

4. GC TO INSTALL NEW VINYL FLOOR FINISH, TWO LAYERS OF PLYWOOD SUB FLOOR, ROSIN PAPER, ASSOCIATED ASSEMBLIES AND VINYL COVE BASE. GC IS NOT TO DISTURB THE EXISTING 2"x3" SLEEPERS AND ADJACENT CINDER FILL, TYPICAL UNLESS NOTED OTHERWISE. PREFER TO DETAIL 1/A8.30 AND FLOOR FINISH PLANS FOR ADDITIONAL INFORMATION.

5. GC TO INSTALL NEW VINYL FLOOR FINISH, TWO LAYERS OF PLYWOOD SUB FLOOR, ROSIN PAPER, ASSOCIATED ASSEMBLIES AND VINYL COVE BASE. GC IS NOT TO DISTURB THE EXISTING 2"x3" SLEEPERS AND ADJACENT CINDER FILL, TYPICAL UNLESS NOTED OTHERWISE. PREFER TO DETAIL 1/A8.30 AND FLOOR FINISH PLANS FOR ADDITIONAL INFORMATION.

6. GC TO MODIFY EXISTING DOOR ASSEMBLY AND INSTALL THRESHOLD. COORDINATE WITH ADJACENT FLOOR FINISHES AND DOOR ASSEMBLY - REFER TO DETAIL ON DRAWING A8.30, TYPICAL.

7. GC TO INSTALL NEW VINYL FLOOR FINISH, PLYWOOD SUB FLOOR, ROSIN PAPER, ASSOCIATED ASSEMBLIES, AND VINYL COVE BASE. GC IS NOT TO DISTURB EXISTING PLYWOOD SUBSTRATE, TYPICAL UNLESS NOTED OTHERWISE. REFER TO DETAIL 7/A8.30.

8. GC TO INSTALL NEW ELECTRICAL POWER DISTRIBUTION PANELS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

9. GC TO INSTALL NEW CONCRETE STAIRS WITH RUBBER STAIR TREADS. SEE STRUCTURAL DRAWINGS AND FLOOR FINISH PLAN FOR ADDITIONAL INFORMATION.

10. GC TO INSTALL NEW RAMP TO MEET ADA REQUIREMENTS WITH RUBBER FLOORING SURFACE. SEE FLOOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION. MAX RAMP SLOPE 1:12.

11. GC TO INSTALL NEW HANDRAIL. SEE TYPICAL DETAILS ON DRAWING A4.03 FOR ADDITIONAL INFORMATION. GC TO PROVIDE AND INSTALL NEW METAL GUARD RAIL ACCESS DOOR WITH EXPOSED TRIM. GC TO PRIME AND PAINT TO MATCH ADJACENT WALL SURFACE. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

12. GC TO RAISE EXISTING SUB-FLOOR +22½" TO MATCH SUB-FLOOR HEIGHT OF EXISTING MAS BUILDING CORRIDOR WITH LIGHTWEIGHT CONCRETE. GC SHALL SCARIFY EXISTING SUB-FLOOR AS REQUIRED FOR PROPER BONDING OF NEW LIGHTWEIGHT CONCRETE. PREP NEW CONCRETE AS REQUIRED TO RECEIVE NEW FINISH FLOORING.

13. GC TO PROVIDE AND INSTALL NEW FINISH FLOORING. REFER TO FLOOR FINISH PLANS, AND FLOOR FINISH LEGEND ON DRAWING A2.20 FOR ADDITIONAL INFORMATION.

14. GC TO PROVIDE AND INSTALL NEW FINISH FLOORING. REFER TO FLOOR FINISH PLANS, AND FLOOR FINISH LEGEND ON DRAWING A2.20 FOR ADDITIONAL INFORMATION.

15. GC TO PROVIDE AND INSTALL NEW FINISH FLOORING. REFER TO FLOOR FINISH PLANS, AND FLOOR FINISH LEGEND ON DRAWING A2.20 FOR ADDITIONAL INFORMATION.

16. GC TO INSTALL NEW THROUGH-FLOOR MECHANICAL/ELECTRICAL CHASE. COORDINATE LOCATIONS OF FINAL OPENINGS AND FINAL SIZE OF CHASE WITH EC & MC. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL OF PENETRATION SIZES AND LOCATIONS PRIOR TO FABRICATING CONCRETE PLANK.

17. GC TO INSTALL NEW STANDSTAY GENERATOR. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. GC TO COORDINATE WITH ESH FOR INSTALLATION OF NEW STANDBY GENERATOR.

18. GC TO INSTALL NEW 6" Ø TIE CHAIN LINK FENCE AROUND NEW GENERATOR AND GENERATOR PAD. SEE DETAIL ON DRAWING CD.02, SITE PLAN, AND SPECIFICATION FOR ADDITIONAL INFORMATION.

19. GC TO INSTALL NEW 6" HIGH CONCRETE STANDBY GENERATOR PAD. SEE DETAIL ON DRAWING A8.30 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE FINAL LOCATION AND REQUIRED PAD SIZE WITH OWNER AND EC.

20. GC TO EXCAVATE AND TRENCH FOR NEW ELECTRICAL CONDUIT FROM BUILDING TO NEW EMERGENCY GENERATOR. REFER TO DETAIL 3/E2.03 AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. COORDINATE TRENCH LOCATION WITH EC.

21. GC TO CONSTRUCT NEW EXTERIOR AREAWAY WITH AREA DRAIN. REFER TO CIVIL DRAWINGS AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

22. GC TO PROVIDE AND INSTALL NEW EXTERIOR CONCRETE STAIRS. SEE SITE PLAN FOR ADDITIONAL INFORMATION.

23. GC TO PROVIDE NEW REINFORCED CONCRETE RETAINING WALL AND FOOTING. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

24. GC TO PROVIDE NEW EXTERIOR CONCRETE RAMP TO MEET ADA REQUIREMENTS. MAX SLOPE 1:12. SEE SITE PLAN AND DETAILS FOR ADDITIONAL INFORMATION.

25. GC TO PROVIDE AND INSTALL NEW STEEL TUBE STAIR HANDRAIL AND SUPPORT AT EXTERIOR STAIRS. HANDRAIL TO BE 1 ½" DIA. STEEL TUBE, PAINTED. SEE TYPICAL DETAILS ON SHEET A4.30 FOR ADDITIONAL INFORMATION. COLOR PER OWNER'S SELECTION. SEE DETAILS AND SPEC FOR ADDITIONAL INFORMATION.

26. GC TO PROVIDE AND INSTALL NEW METAL GUARD RAIL. GUARD RAIL SHALL BE PAINTED, COLOR PER OWNER'S SELECTION. SEE DETAIL 5 AND SPEC FOR ADDITIONAL INFORMATION.

27. GC TO INSTALL NEW AREA DRAIN. REFER TO PLUMBING DRAWINGS.

28. GC TO PROVIDE AND INSTALL NEW RECESSED WALK-OFF MAT WITH VINYL HINGES AND ALUMINUM RAILS. WALK-OFF MAT SHALL BE RECESSED IN CONCRETE FLOOR SLAB AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH ADJACENT FINISH FLOOR. SEE FLOOR FINISH PLAN AND SPEC FOR ADDITIONAL INFORMATION.

29. GC TO PROVIDE AND INSTALL NEW 3500# MACHINE ROOM LESS (MRL) ELEVATOR. MODEL "GEN2" BY OTIS ELEVATOR COMPANY. ELEVATOR SHALL BE HIGH CAB MODEL AND ABLE TO ACCOMMODATE A STRETCHER. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

30. DISTRICT VENDOR TO PROVIDE AND INSTALL NEW CLASSROOM CASEWORK. SEE INTERIOR ELEVATIONS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. TYPICAL. REFER TO DETAIL 15/A7.04 FOR ADDITIONAL INFORMATION.

31. GC TO PROVIDE AND INSTALL NEW 6"W x 72"L ALUMINUM LOUVER IN NEW COUNTER PROVIDED BY DISTRICT VENDOR TO VENT HVAC UNIT BEHIND CASEWORK. ALUMINUM SHALL BE KYNAR FINISH, COLOR PER OWNER'S SELECTION. SEE CASEWORK SECTIONS FOR ADDITIONAL INFORMATION.

32. GC TO PROVIDE AND INSTALL NEW 4" ALUMINUM TOE-KICK LOUVER IN BASE CABINET PROVIDED BY DISTRICT VENDOR TO VENT HVAC UNIT BEHIND CASEWORK. ALUMINUM SHALL BE KYNAR FINISH, COLOR PER OWNER'S SELECTION. SEE CASEWORK SECTIONS FOR ADDITIONAL INFORMATION.

33. GC SHALL MOUNT NEW INTERACTIVE PRESENTATION DISPLAY PROVIDED BY OWNER. EC SHALL BE RESPONSIBLE TO MAKE ALL CONNECTIONS, TYPICAL.

34. NEW CLASSROOM FURNISHINGS BY OWNER.

35. GC SHALL PROVIDE AND INSTALL NEW 1" TALL WHITE BOARD WITH TACK STRIP AND MARKER TRAY, TYPICAL. SEE PLAN FOR WHITE BOARD LENGTH. COORDINATE FINAL MOUNTING LOCATION WITH OWNER.

36. GC TO PROVIDE AND INSTALL NEW CEILING FINISH. REFER TO REFLECTED CEILING PLANS, RCP LEGEND ON SHEET A5.00 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

37. GC TO PROVIDE AND INSTALL NEW ROOF DRAIN WITH CAST IRON DRAIN RING. ROOF DRAIN TO BE INSTALLED IN NEW ROOF SUMP AND PER MANUFACTURER'S INSTRUCTIONS. SEE DETAIL 3/A8.10 AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

38. GC TO PROVIDE AND INSTALL NEW EQUIPMENT SUPPORT RAILS BY PATE® FOR NEW AIR CONDITIONING CONDENSERS (ACCU). SEE DETAIL 2/A8.10 AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. MC TO PROVIDE EQUIPMENT SUPPORT RAILS.

39. MC TO PROVIDE AND INSTALL NEW AIR CONDITIONING CONDENSING UNITS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

40. MC TO INSTALL NEW EXHAUST FAN FOR ELEVATOR SHAFT. MC TO PROVIDE NEW ROOF CURBS AS REQUIRED FOR NEW EXHAUST FAN. GC TO INSTALL NEW ROOF CURB. PREFER TO DETAIL 5/A8.10 FOR ADDITIONAL INFORMATION. MC TO COORDINATE WITH GC FOR PENETRATION THROUGH CONCRETE PLANK AND PENETRATION SHALL BE INCLUDED ON PLANK SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.

41. ELEVATION CHANGE IN PARAPET WALL. SEE SECTIONS FOR ADDITIONAL INFORMATION.

42. GC TO PROVIDE WATER-TIGHT PENETRATION FOR MC/EC/PC TO RUN REQUIRED CONDENSATES TO NEW AIR CONDITIONING CONDENSING UNITS. GC TO COORDINATE WITH MC/EC/PC.

43. GC TO PROVIDE AND INSTALL FLUID APPLIED FULLY REINFORCED ALIPHATIC ROOFING MEMBRANE AND TRILAMINATE BASE SHEET OVER NEW ½" COVER BOARD, NEW TAPERED POLYISOCYANURATE INSULATION (MIN. 2" THICK), NEW CONCRETE ROOF DECK, ALL FLASHINGS SHALL BE FLUID APPLIED AND INTEGRAL TO FLUID ROOF FIELD MEMBRANE. GC TO PROVIDE SILICA SAND BROADCAST COAT OVER ENTIRE ROOF AREA FOR SLIP RESISTANCE. INSTALL ROOFING SYSTEM PER MANUFACTURER'S STRICT INSTRUCTIONS. SEE SPECIFICATION AND DETAIL 1/A8.10 FOR ADDITIONAL INFORMATION.

44. GC TO PROVIDE AND INSTALL NEW TAPERED POLYISOCYANURATE ROOF INSULATION. CONTRACTOR SHALL PROVIDE POSITIVE PITCH OF MIN. ¼" PER FOOT TOWARDS ROOF DRAINS.

45. GC TO PROVIDE NEW 1/2" ALUMINUM FLUPOUIN IN EXISTING PARAPET WALL OF BREEZEWAY. SEE DETAIL 9 ON SHEET A6.10 FOR ADDITIONAL INFORMATION.

46. GC TO PROVIDE AND INSTALL NEW 1/2" ALUMINUM FLUPOUIN IN EXISTING PARAPET WALL OF BREEZEWAY. SEE DETAIL 9 ON SHEET A6.10 FOR ADDITIONAL INFORMATION.

47. GC TO PROVIDE AND INSTALL NEW .040" THICK ALUMINUM COPING. ALUMINUM SHALL BE KYNAR FINISH AND COLOR SHALL BE PER OWNER'S SELECTION. SEE ROOF DETAILS AND SPECIFICATION FOR ADDITIONAL INFORMATION.

48. MC TO PROVIDE AND INSTALL NEW LOUVERS FOR MECHANICAL EQUIPMENT. GC TO COORDINATE THROUGH-ROOF PENETRATIONS WITH MC. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

49. GC TO INSTALL NEW WINDOWS IN EXTERIOR WALL. SEE WINDOW SCHEDULE, TYPES, AND DETAILS ON SHEET A6.10 FOR ADDITIONAL INFORMATION.

50. GC TO PROVIDE AND INSTALL NEW DECORATIVE CAST STONE TRIM. SUPPORT AND ANCHOR PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.

51. GC TO PROVIDE AND INSTALL NEW 2-HOUR RATED EXTERIOR WALL WITH BRICK VENEER. SEE STRUCTURAL DRAWINGS, SECTIONS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. BRICK BONDING PATTERN TO BE COMMON BRICK WITH INTERCOURSE EVERY 10 COURSES. SEE ADJACENT EXISTING BRICK MASONRY FOR ADDITIONAL INFORMATION.

52. LINE OF ROOF BEYOND.

53. GC TO PROVIDE AND INSTALL NEW EXTERIOR DOORS. SEE DOOR SCHEDULE ON DRAWING A6.01 FOR ADDITIONAL INFORMATION.

54. NEW DUCTWORK BY MC TO NEW LOUVERS. SEE MECH. DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE WITH OWNER.

55. GC TO PROVIDE AND INSTALL NEW FINISH FLOORING. SEE FINISH FLOOR PLANS AND SPECIFICATIONS.

56. GC TO PROVIDE AND INSTALL NEW ACOUSTICAL SUSPENDED CEILING. SEE PROPOSED REFLECTED CEILING PLANS AND SPECIFICATIONS.

57. NEW ROOFING. SEE PROPOSED ROOF PLAN ON DRAWING A2.14 FOR ADDITIONAL INFORMATION.

58. GC TO INFILL EXISTING WINDOW OPENING. FACE BRICK, MORTAR AND BONDING SHALL MATCH THAT OF ADJACENT BRICK. NEW FACE BRICK SHALL BE TOOTHED INTO EXISTING BRICK PER DETAIL 5/A8.21. ALL INTERIOR TRIM SHALL MATCH EXISTING TRIM. SEE DETAIL 5/A8.21 AND DETAIL 5/A8.22 FOR ADDITIONAL INFORMATION.

59. NEW ELEVATOR HOIST BEAM. COORDINATE SIZE AND LOCATION WITH ELEVATOR MANUFACTURER. SEE

STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

GC TO PROVIDE AND INSTALL NEW LINTEL IN MODIFIED OPENING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

NEW 1" PRE-CAST CONCRETE PLANK WITH 2" LIGHTWEIGHT CONCRETE TOPPER (WHERE APPLICABLE).

SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION. ALL CONTRACTORS SHALL COORDINATE PENETRATIONS THROUGH ALL CONCRETE PLANK WITH GC. PROVIDE SHOP DRAWINGS SHOWING ALL PENETRATIONS WITH SIZES AND LOCATIONS PRIOR TO FABRICATION.

NEW BUILDING FOOTINGS AND FOUNDATIONS. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

GC TO PROVIDE AND INSTALL PUMP PER MANUFACTURER. SEE STRUCTURAL DRAWINGS FOR PUMP PIT SIZE AND DEPTH. SEE PLUMBING DRAWINGS FOR PUMP PIT PUMP INFORMATION.

GC TO PROVIDE AND INSTALL NEW ELEVATOR DOOR AND FRAME. SEE ELEVATOR SPECIFICATION FOR ADDITIONAL INFORMATION.

MC TO PROVIDE AND INSTALL NEW CABINET HEATERS AND METAL COVERS TO CONCEAL PILING. SEE PROPOSED MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

NEW 6" REINFORCED CONCRETE SLAB OVER 15 MIL POLY VAPOR BARRIER OVER 6" COMPACTED ¾" CLEAN FILL. SEE STRUCTURAL DRAWINGS AND SPECIFICATION FOR ADDITIONAL INFORMATION.

ELEVATION OF RAMP ADJACENT TO MAS BUILDING. SEE SECTION 1/A4.02 FOR ADDITIONAL INFORMATION.

GC TO INFILL OPENINGS IN EXISTING WALL WITH NEW STEEL STUDS AND GWB. SEE WALL PROPOSED PLANS AND WALL TYPES FOR ADDITIONAL INFORMATION. FINISHED SURFACES SHALL ALIGN FLUSH WITH ADJACENT SURFACES. PAINT INFILLED AREA TO MATCH ADJACENT.

EXISTING CEILING TO REMAIN.

GC TO PROVIDE AND INSTALL NEW PORCELAIN TILE WAINSCOTING WITH TILE BASE AND BULLNOSE CAP. SEE SECTIONS, INTERIOR ELEVATIONS AND SPECIFICATION FOR ADDITIONAL INFORMATION.

DISTRICT VENDOR TO PROVIDE AND INSTALL NEW CLASSROOM CASEWORK. SIZE OF NEW CLASSROOM CASEWORK SHALL MATCH THAT OF EXISTING CASEWORK TO BE REMOVED. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.

DISTRICT VENDOR TO PROVIDE AND INSTALL NEW 1 ½" THICK SLIDING COUNTERTOP WITH 3" INTEGRATED BACKSLASH. GC TO COORDINATE SINK CUTS WHERE APPLICABLE WITH PC. ALL COUNTERTOPS SHALL HAVE EASED EDGES. SEE INTERIOR ELEVATIONS AND SPECIFICATION FOR ADDITIONAL INFORMATION.

GC TO INSTALL NEW SINK INTO NEW COUNTER. PC TO PLUMB SINK AND ENSURE FULLY FUNCTIONAL OPERATION. INSTALL ADA SINK WHERE INDICATED. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

GC TO COORDINATE WITH DISTRICT VENDOR FOR SINK OPENINGS IN COUNTERTOPS.

GC TO PROVIDE AND INSTALL RUBBER EXPANSION JOINT. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

GC TO PROVIDE NEW INTERIOR PARTITION AT ROOM 008 WHERE EXISTING WALL WAS DEMOLISHED AND EXISTING WALL PARTITION WAS TO BE REMOVED. COORDINATE ACTUAL LOCATION OF NEW WALL WITH FIELD CONDITIONS.

GC TO INSTALL NEW PRE-MANUFACTURED 38" DIA. X 48" DEEP SUMP BASIN IN NEW EXCAVATION. LINE OPEN EXCAVATION WITH FILTER FABRIC AND BACKFILL WITH ¾" DIA. CLEAN DRAINAGE STONE. GC TO POUR NEW 4" THICK REINFORCED CONCRETE ON TOP OF STONE. REINFORCE SIMILAR TO DETAIL 2/A2.01. COORDINATE WITH PC.

GC TO INSTALL (2) - 6" DIA. PERFORATED TRIPLE-WALL FOOTING DRAINS IN 2'-0" W X 18" D TRENCH. GC TO LINE TRENCH WITH FILTER FABRIC AND BACKFILL WITH ¾" DIA. CLEAN DRAINAGE STONE. GC TO INSTALL INTERIOR DRAIN TILE AT WALL EDGE ON TOP OF NEW STONE. GC TO CONNECT PIPING TO NEW SUMP BASIN. POUR NEW 4" THICK REINFORCED CONCRETE ON TOP OF NEW STONE. LEAVE GAP AT SLAB EDGE AS REQUIRED FOR INTERIOR DRAIN TILE. SEE DETAIL 1/A2.01 FOR ADDITIONAL INFORMATION.

GC TO CONSTRUCT NEW P.T. INTERIOR SUMP BASIN ENCLOSURE WITH NEW DOOR AND SLOPED TOP. SEE DETAILS FOR ADDITIONAL INFORMATION. GC REQUIRED TO PROVIDE NEW WALL PADDING AS NECESSARY TO FIT NEW SUMP ENCLOSURE. NEW PADDING TO MATCH EXISTING IN THICKNESS, SIZE AND COLOR.

GC TO POWERWASH, PRIME, & COAT EXISTING STUCCO WITH "SOLARGARD HY-BUILD" PRIMER. GC TO ABRASATE CONCRETE WITH 100 GRIT WET DRY G. GC SHALL DETAIL CORNERS, EDGES, AND CORINGS WITH SEAL SEALER LAP SOLARGARD UNTO EXISTING ROOF FLASHING 1". TYPICAL COLOR TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD RANGE.

GC TO PROVIDE AND INSTALL NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER. MAINTAIN FIRE RATING OF WALL THROUGHOUT WHERE APPLICABLE. INSTALL 48" A.F.F. TO TOP OF EXTINGUISHER. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

GC TO PROVIDE AND INSTALL NEW METAL HAT CHANNELS AND METAL FLOOR BACKER FOR NEW CASEWORK. GC TO PROVIDE NEW METAL HAT CHANNELS (SEE A8.01). GC TO INSTALL PLYWOOD BACKER AND GWB TO METAL FLOORING. NEW WALL SHALL EXTEND TO THE UNDERSIDE OF EXISTING CEILING. TERMINATE TOP OF NEW GWB WITH J-MOLDING TO CREATE A FINISHED CAP. ALL EXPOSED ENDS SHALL HAVE THE GWB RETURNED TO THE WALL.

MC TO REINSTALL SALVAGED UNIT VENTILATORS IN THEIR ORIGINAL LOCATIONS. MC TO CONNECT TO EXISTING PIPING. GC TO RECONNECT ELECTRICAL, POWER AND CONTROL PER NEC REQUIREMENTS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

GC TO INSTALL NEW STEEL LEADER IN ELEVATOR PIT. SEE SPECIFICATION 055133 FOR ADDITIONAL INFORMATION.

GC TO INSTALL NEW VINYL WALL BASE. SEE FINISH SCHEDULE ON A6.20 FOR ADDITIONAL INFORMATION. COLOR TO BE PER OWNER'S SELECTION.

GC SHALL INSTALL NEW 1" QUARTER ROUND MOLDING ONTO EXISTING WOOD BASE MOLDING, AND PRIME & PAINT TO MATCH THE EXISTING WOOD BASE MOLDING.

GC TO LAMINATE ½" GYPSUM BOARD TO CUT FACE OF CONCRETE BLOCK TO CREATE A FINISH SURFACE. TAPE ALL JOINTS AND PAINT. GC TO INSTALL J-MOLDING AT EXPOSED EDGE OF GYPSUM BOARD.

GC TO RECONSTRUCT EXISTING STEP TO BLEACHERS WITH 3,500 PSI CONCRETE. RISER HEIGHT, TREAD DEPTH, AND STEP WIDTH TO BE SAME AS STEP THAT WAS REMOVED.

GC TO PROVIDE RESCUE WINDOW TAGS AS REQUIRED. SEE DRAWING A6.10 FOR ADDITIONAL INFORMATION.

GC TO PROVIDE AND INSTALL NEW WINDOW SHADES. SEE SPECIFICATION SECTION 122124 FOR ADDITIONAL INFORMATION.

GC TO MODIFY EXISTING CEILING AS REQUIRED TO INSTALL NEW WALL INFILL. REINSTALL TO CREATE A FINISHED APPEARANCE.

GC TO INSTALL NEW SURFACE MOUNTED FIRE EXTINGUISHER. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

GC TO ADHERE "SUPREMA" "COLPHENE BSW PROTECTR" WATERPROOFING MEMBRANE (80 MIL THICK) OVER "SUPREMA" "COLPHENE BSW H" BLINDSIDE WATERPROOFING MEMBRANE (120 MIL THICK) PRIMED WITH "SUPREMA" "ELASTOCOL STICK" AT THE UNDERSIDE OF THE NEW ELEVATOR PIT. WRAP BOTH WATERPROOFING MEMBRANES UP VERTICAL FACES MIN. 2' AND TIE INTO VERTICAL WATERPROOFING PER MANUFACTURER'S SPECIFICATIONS. HEAT WELD ALL LAP SPLICES. REFER TO SPECIFICATION SECTION 071326 AND 071332 FOR ADDITIONAL INFORMATION.

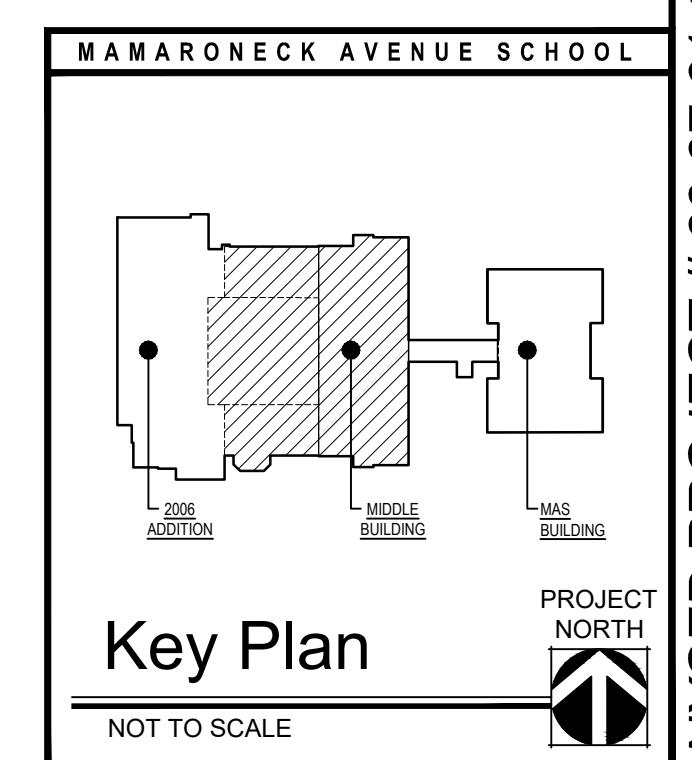
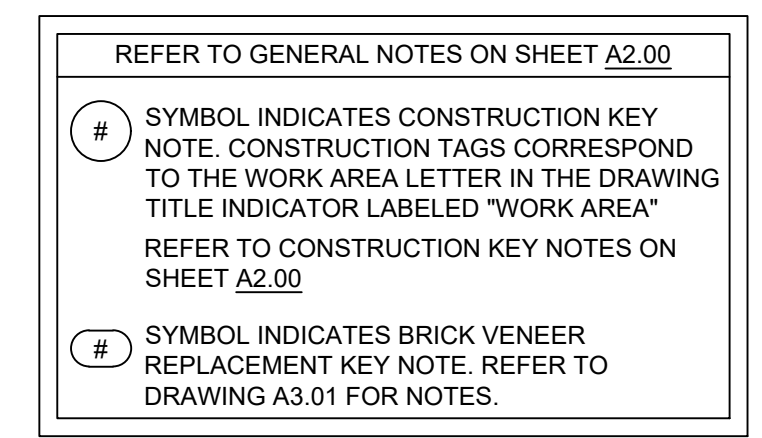
GC TO ADHERE "SUPREMA" "COLPHENE BSW PROTECTR" WATERPROOFING MEMBRANE (80 MIL THICK) OVER "SUPREMA" "COLPHENE BSW H" BLINDSIDE WATERPROOFING MEMBRANE (120 MIL THICK) PRIMED WITH "SUPREMA" "ELASTOCOL STICK" ON VERTICAL SURFACES OF NEW ELEVATOR PIT. TIE INTO HORIZONTAL WATERPROOFING MEMBRANES PER MANUFACTURER'S SPECIFICATIONS. HEAT WELD ALL LAP SPLICES. REFER TO SPECIFICATION SECTION 071326 AND 071332 FOR ADDITIONAL INFORMATION.


GC TO PRIME CLEAN AND PREP EXISTING FOUNDATION WALL. PER WATERPROOFING MANUFACTURER'S REQUIREMENTS. FROM BOTTOM OF EXISTING FOOTING TO GRADE FOR INSTALLATION OF NEW POSITIVE SIDE. FROM GRADE TO TOP OF EXISTING WALL TO GRADE FOR WATER PROOFING. REFER TO SPECIFICATION SECTION 071326 AND 071332 FOR ADDITIONAL INFORMATION.

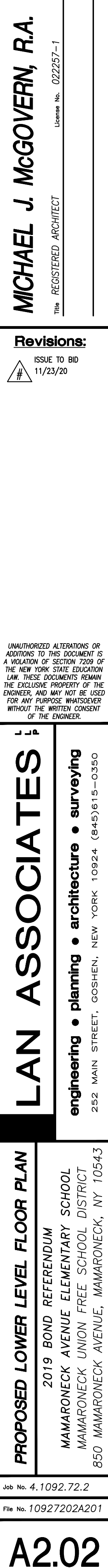
GC TO INSTALL TWO (2) PLIES OF "SUPREMA" "COLPHENE 3000" SELF-ADHERED BITUMEN MEMBRANE TO PRIMED SUBSTRATE. GC TO PRIME SUBSTRATE WITH "SUPREMA" "ELASTOCOL STICK" PRIMER, INSTALLED PER MANUFACTURERS INSTRUCTIONS. REFER TO SPECIFICATION SECTION 071326 AND 071332 FOR ADDITIONAL INFORMATION.

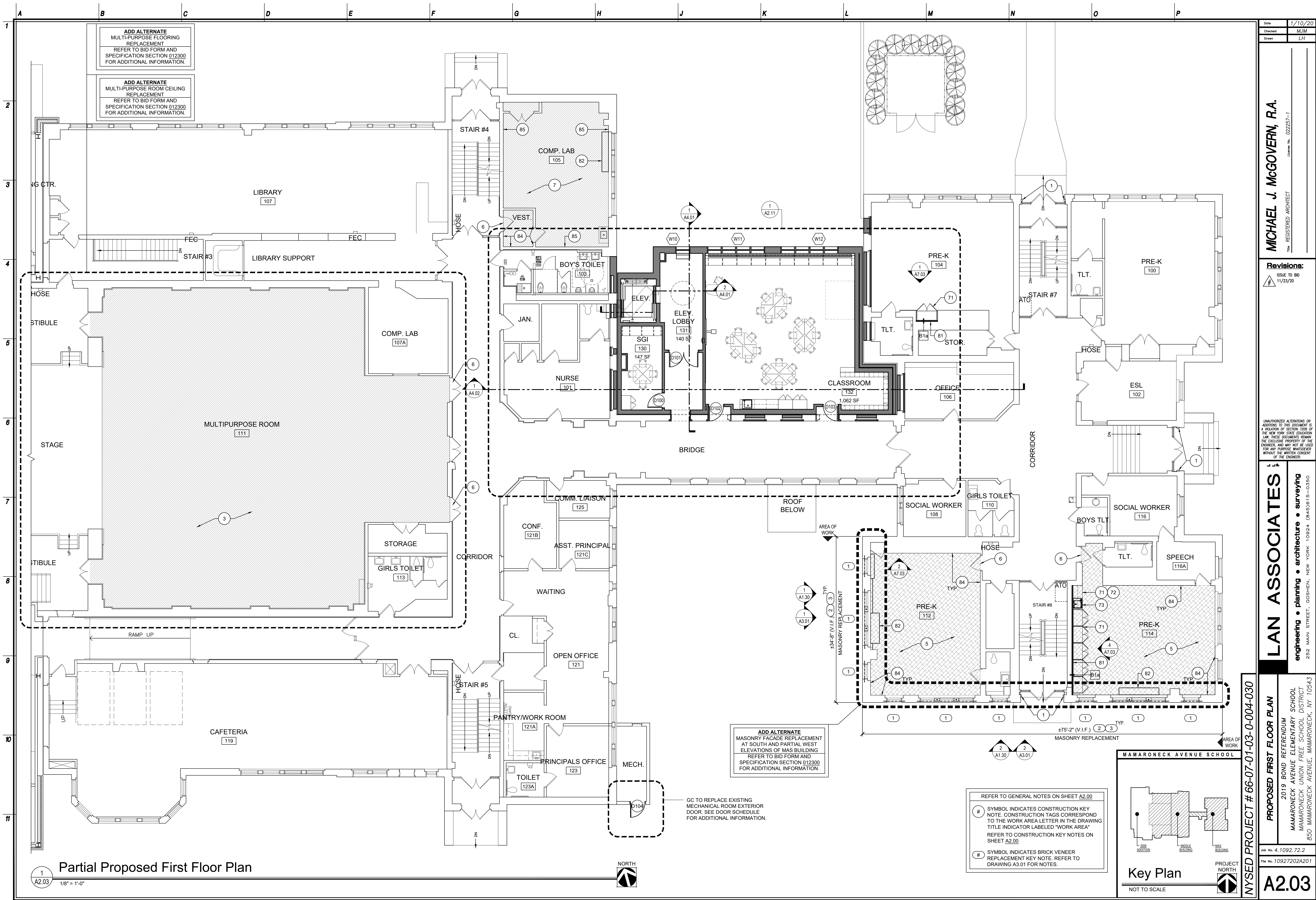
GC TO PROVIDE NEW RETROFIT PVC WATERSTOP SYSTEM, MODEL "581" BY SIKKA AT PERIMETER OF NEW BUILDING ADJACENT. INSTALL INTO EXISTING SLAB WITH S.S. EXPANSION BOLT AND S.S. BATTEN BAR. SET WATERSTOP IN SIKKA "7300" EPOXY. NEW WATERPROOFING MEMBRANE TO BE TERMINATED INTO S.S. BATTEN BAR. INSTALL PER MANUFACTURER'S REQUIREMENTS

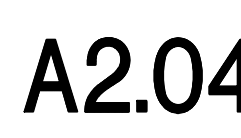
SYMBOL INDICATES
CONSTRUCTION KEY NOTE

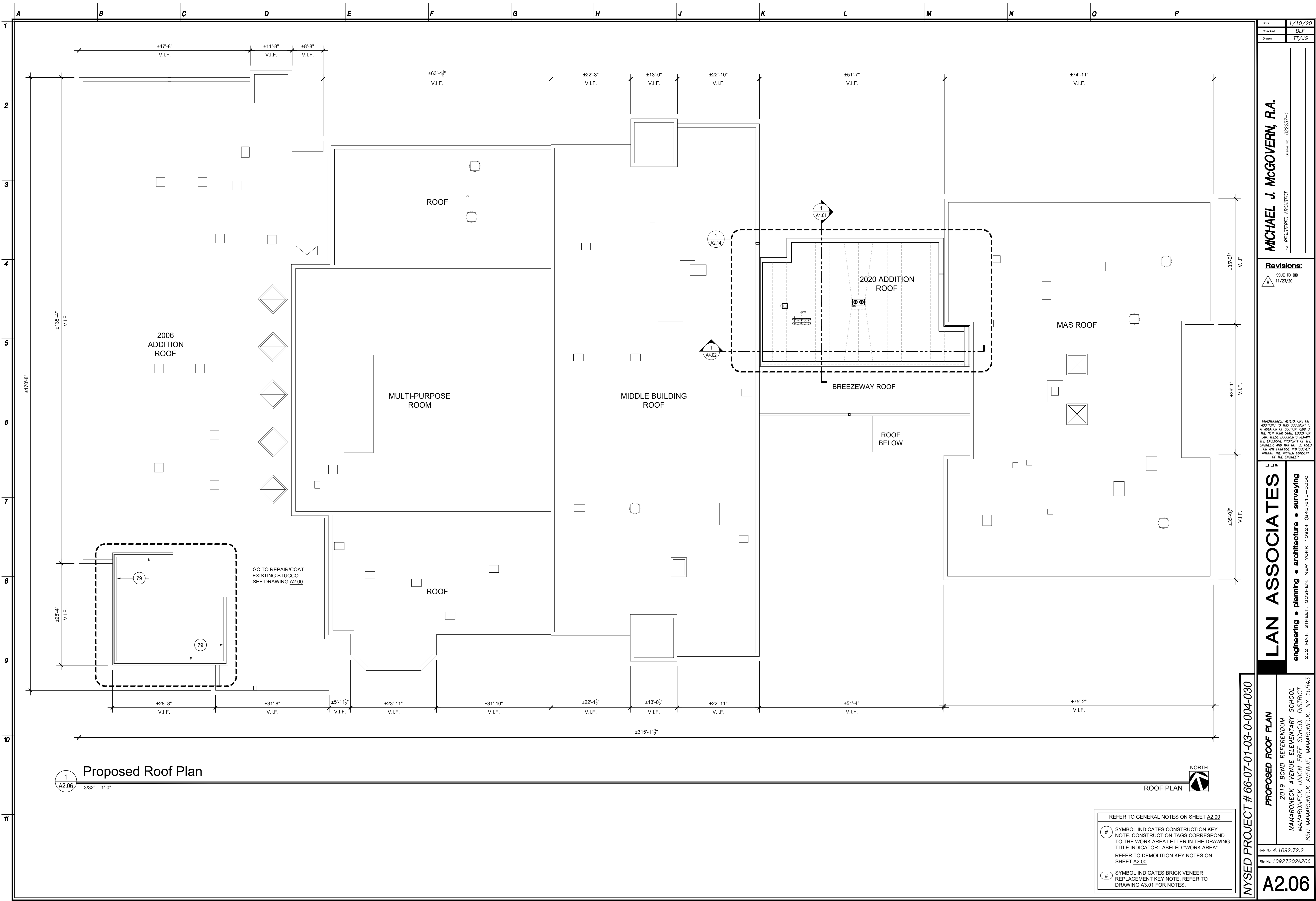


Date	1/10/20
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PROPOSED BASEMENT FLOOR PLAN 2019 BOND REFERENDUM MAMARONECK AVENUE ELEMENTARY SCHOOL MAMARONECK UNION FREE SCHOOL DISTRICT 850 MAMARONECK AVENUE, MAMARONECK, NY 10543	
JOB No. 4, 1092.72.2 File No. 10927202A201	A2.01









Date	1/10/20
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License No. 022257-1	

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PROPOSED ROOF PLAN

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL

MAMARONECK UNION FREE SCHOOL DISTRICT

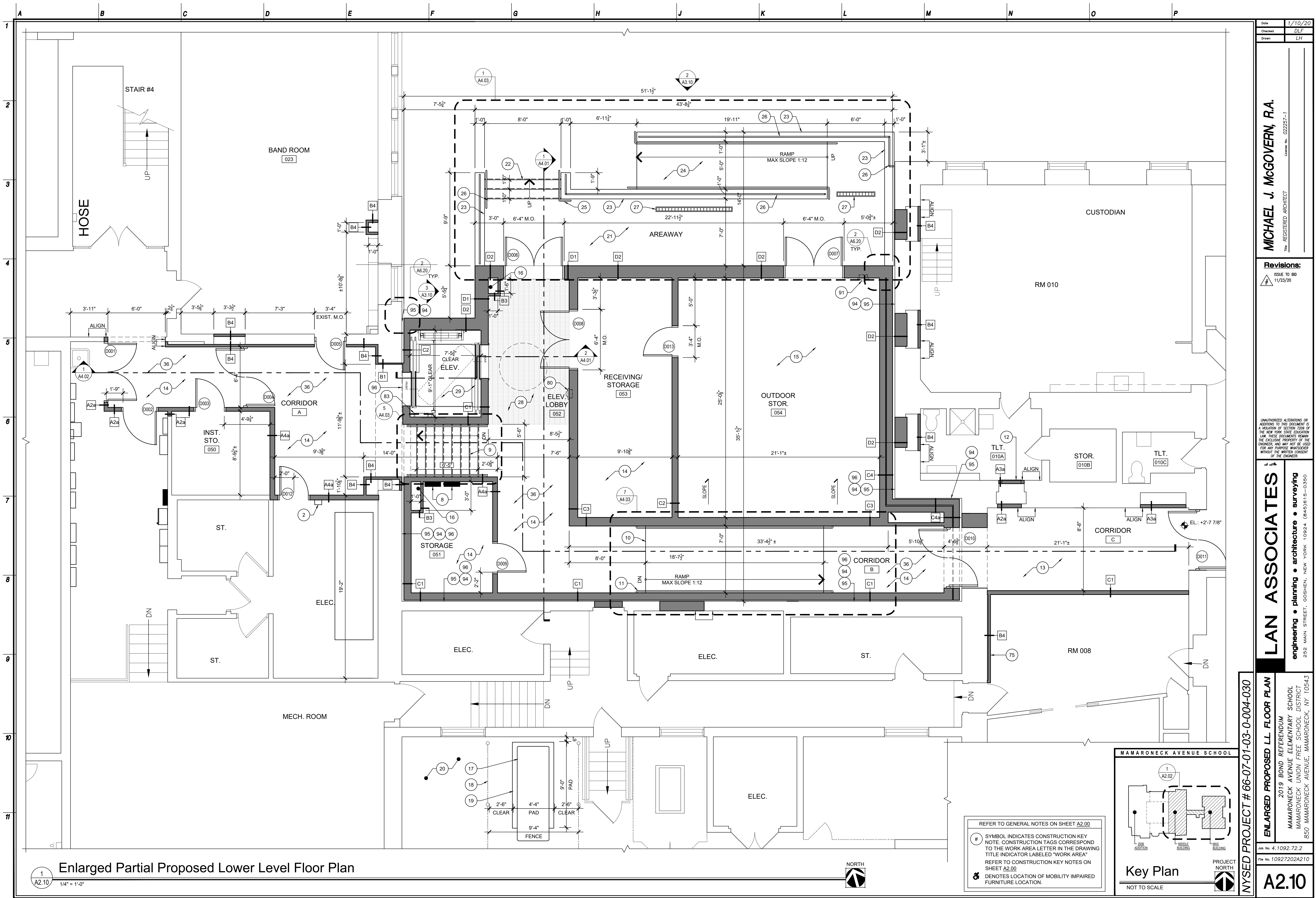
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

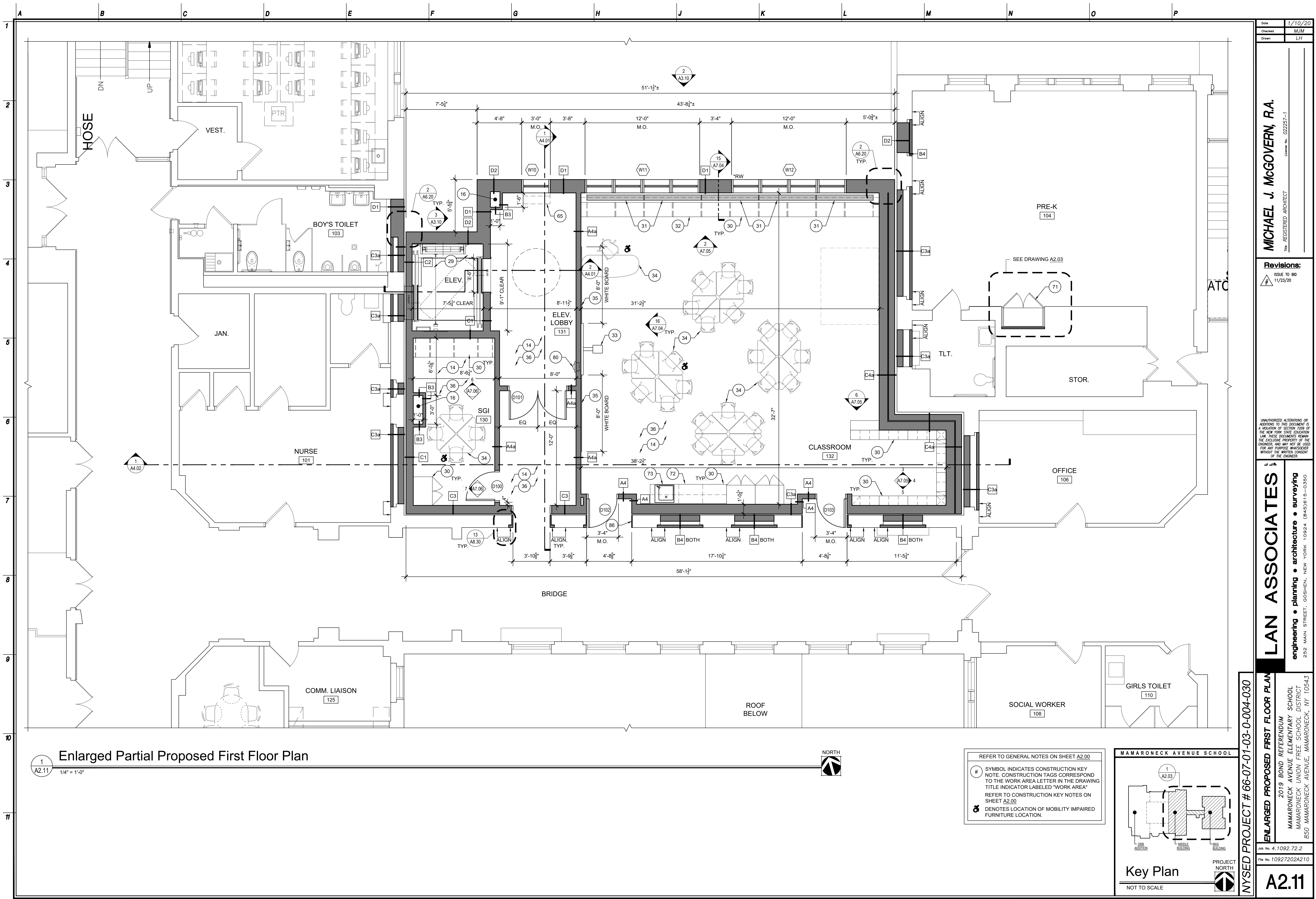
Job No. 4.1092.72.2

File No. 10927202A206

A2.06

NYSed PROJECT # 66-07-01-03-0-004-030





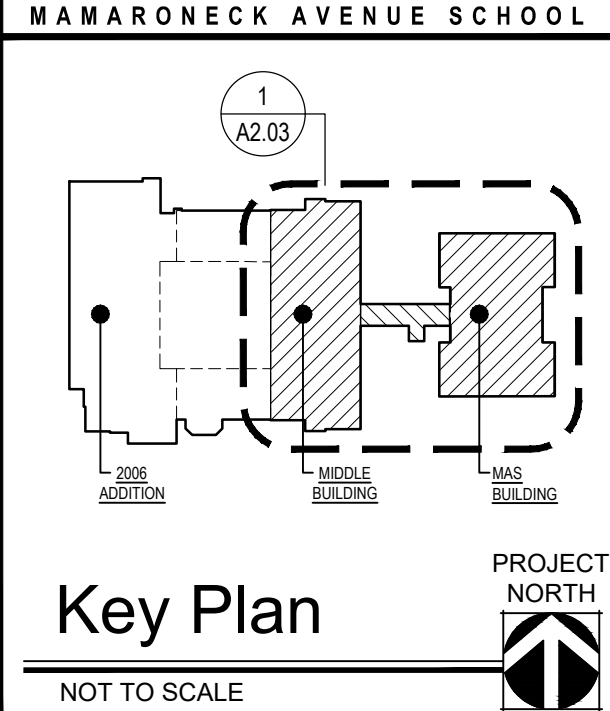
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A2.11
Enlarged Partial Proposed First Floor Plan
1/4" = 1'-0"

REFER TO GENERAL NOTES ON SHEET A2.00

SYMBOL INDICATES CONSTRUCTION KEY NOTE. CONSTRUCTION TAGS CORRESPOND TO THE WORK AREA LETTER IN THE DRAWING TITLE INDICATOR LABELED "WORK AREA"

REFER TO CONSTRUCTION KEY NOTES ON SHEET A2.00

⌘ DENOTES LOCATION OF MOBILITY IMPAIRED FURNITURE LOCATION.



NYSED PROJECT # 66-07-01-03-0-004-030

ENLARGED PROPOSED FIRST FLOOR PLAN
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK AVENUE FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2
File No. 10927202A210

A2.11

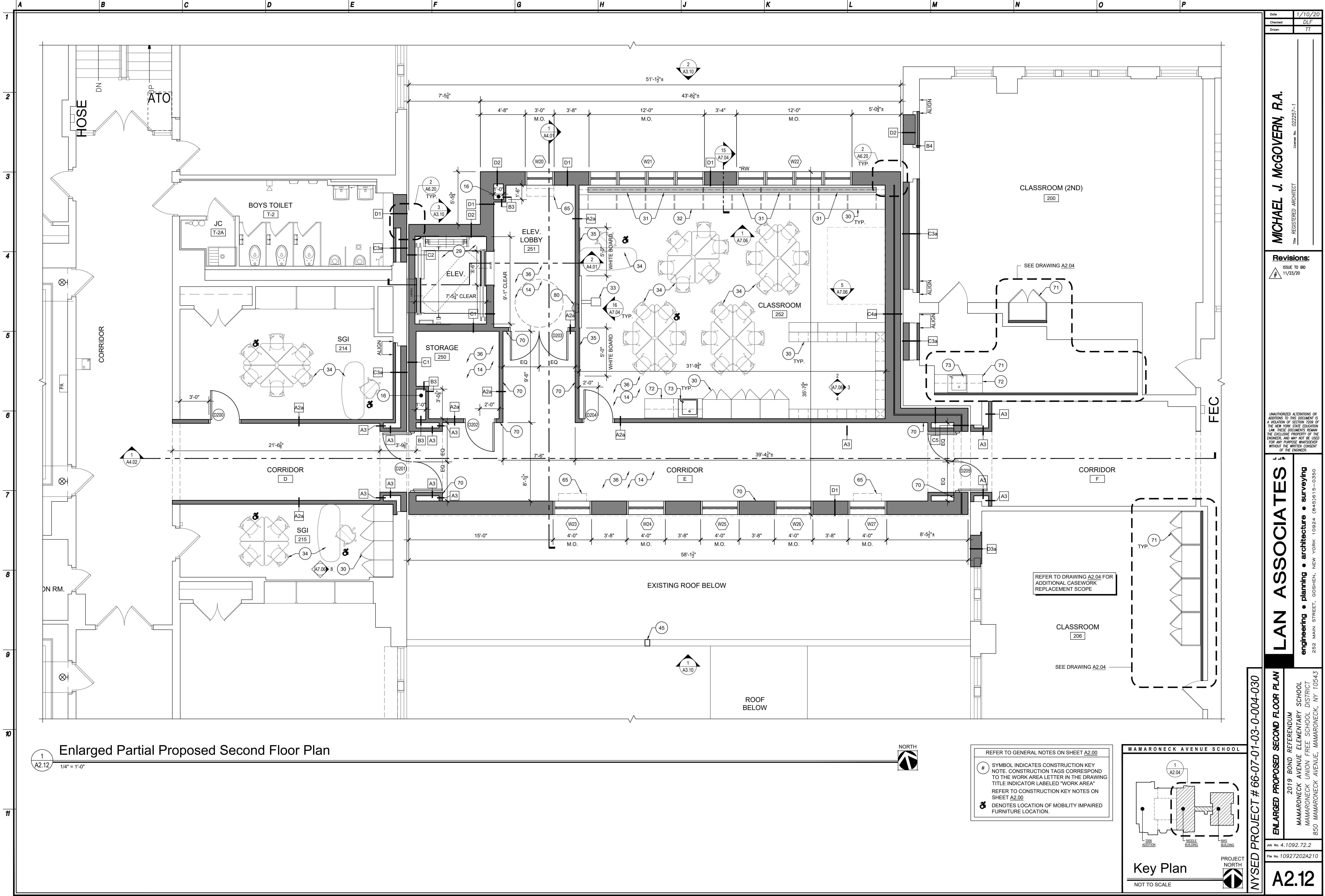
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A2.12 1/4" = 1'-0"

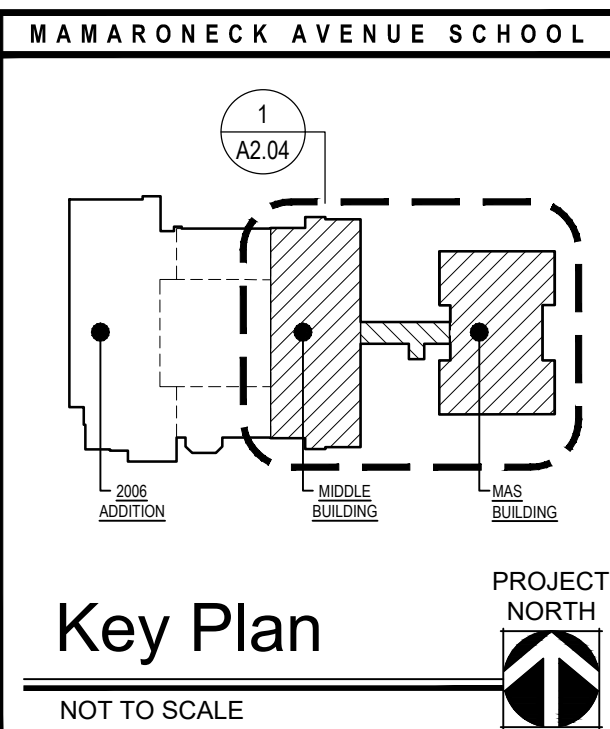
Enlarged Partial Proposed Second Floor Plan

REFER TO GENERAL NOTES ON SHEET A2.00

SYMBOL INDICATES CONSTRUCTION KEY NOTE. CONSTRUCTION TAGS CORRESPOND TO THE WORK AREA LETTER IN THE DRAWING TITLE INDICATOR LABELED "WORK AREA"

REFER TO CONSTRUCTION KEY NOTES ON SHEET A2.00

⌘ DENOTES LOCATION OF MOBILITY IMPAIRED FURNITURE LOCATION.



NYS PROJECT # 66-07-01-03-0-004-030

ENLARGED PROPOSED SECOND FLOOR PLAN

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL

MAMARONECK UNION FREE SCHOOL DISTRICT

850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 10927202A210

A2.12

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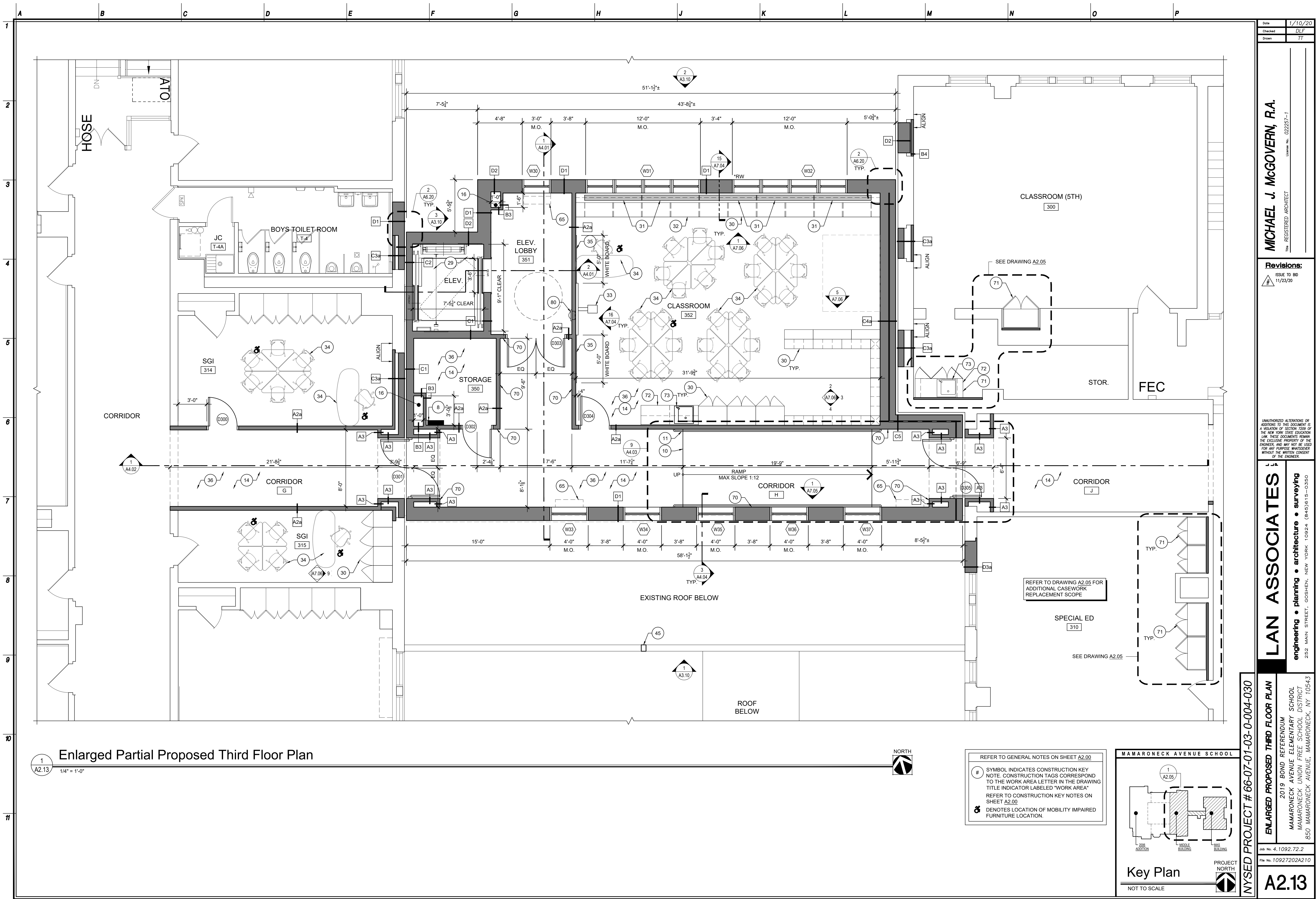
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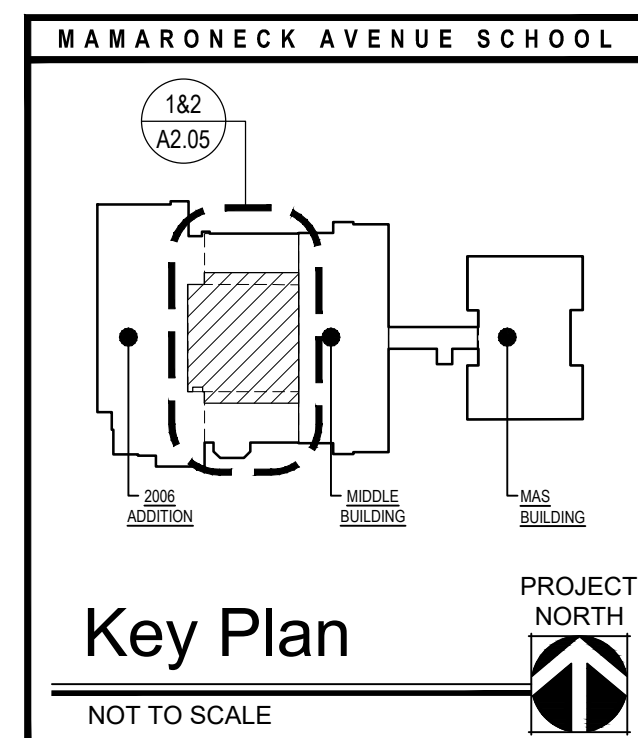
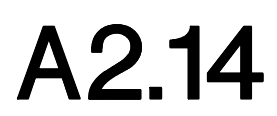
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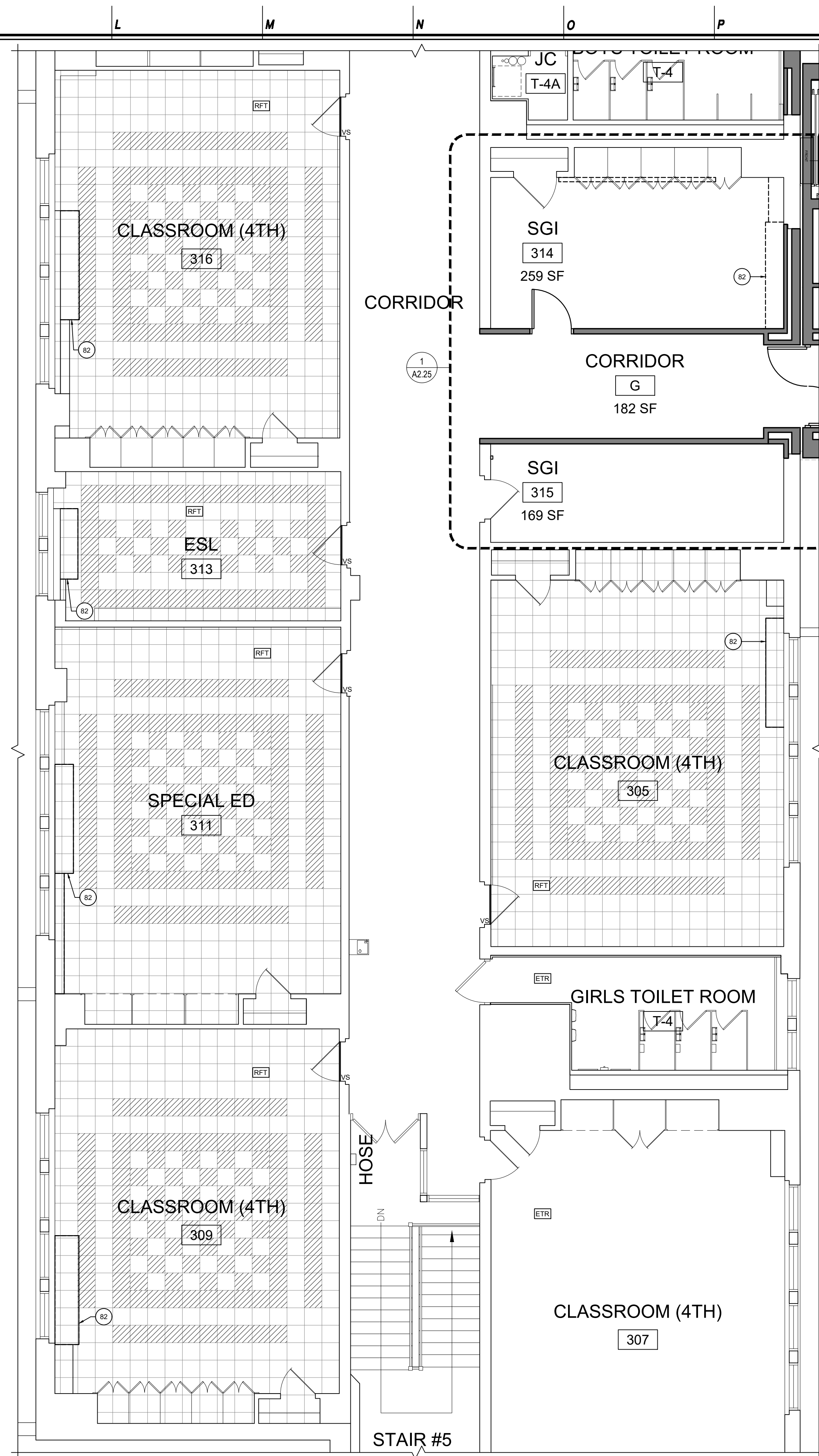
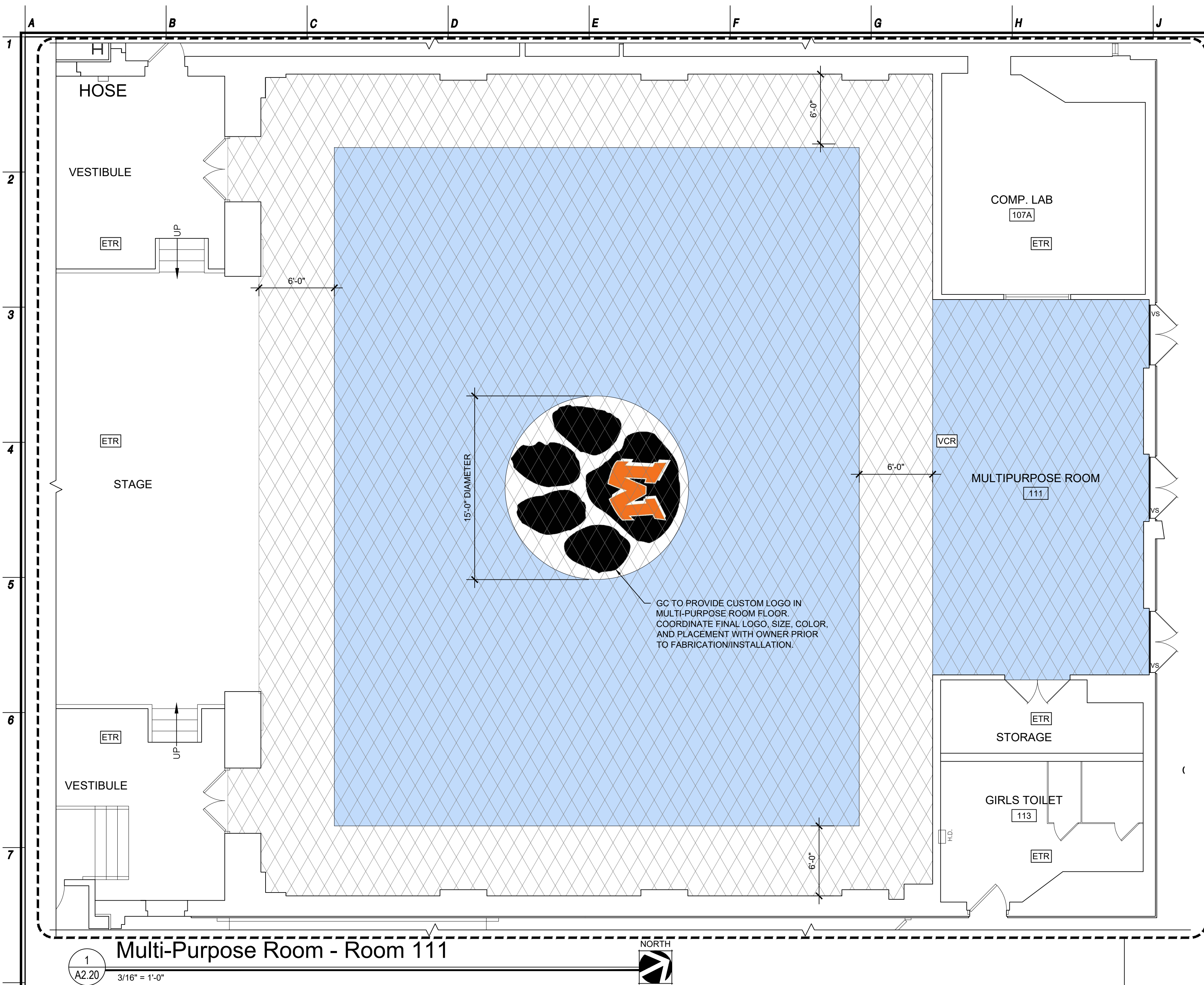
Date 1/10/20

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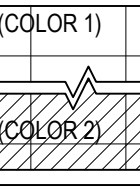
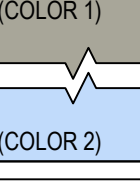


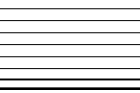

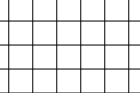
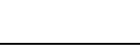
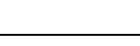
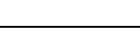
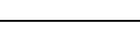
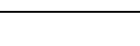



Drawn TT







Floor Finish Legend

SYMBOL	ABBREVIATIONS	DESCRIPTIONS
	RFT	NEW RESILIENT FLOOR TILE SOLID VINYL FLOOR TILE BY 'TARKETT' MODEL: 'CORTINA GRANDE' COLOR TO BE SELECTED BY ARCHITECT /OWNER FROM MANUFACTURER'S FULL RANGE 16"x16" TILE, 0.125" THICK
	LVT	NEW SOLID VINYL TILE BY 'AVA' MODEL: 'VRSE' COLOR TO BE SELECTED BY ARCHITECT /OWNER FROM MANUFACTURER'S FULL RANGE 9.84" x 39.37" TILE, 5MM THICK
	RBF	NEW RUBBER FLOORING BY 'AMERICAN BILTRITE' MODEL: 'AB PURE' COLOR AND STYLE TO BE SELECTED BY ARCHITECT /OWNER FROM MANUFACTURER'S FULL RANGE. STAIR TREADS TO BE ONE PIECE TREAD AND RISER WITH CARBORUNDUM STRIP.
	EPXF	NEW POURED EPOXY FLOOR WITH INTEGRAL COVE BASE
	WO	NEW METAL WALK OFF SURFACE
	VCR	VULCANIZED COMPOSITION RUBBER BACKED SHEET VINYL
	MSF	MODULAR SPORTS FLOORING SYSTEM BY 'SPORT COURT' MODEL: 'RESPONSE' COLOR TO BE SELECTED BY OWNER FROM MANUF'S FULL RANGE. SIZE: 9.84" x 9.84" x 0.5" THICK
	ETR	EXISTING TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION.
	AS	ADA ALUMINUM SADDLE
	MS	ADA MARBLE SADDLE
	PS	ADA PORCELAIN TILE SADDLE
	VS	ADA VINYL SADDLE TRANSITION STRIP
	EX	EXISTING SADDLE
	EJ	EXPANSION JOINT
	PTC	PAINTED CONCRETE - COLOR TO BE SELECTED BY OWNER

Interior Finish Notes

- CONTRACTOR SHALL PREP ALL SUBFLOORS AS REQUIRED TO ACCEPT NEW FLOOR FINISHES.
- FLOOR FINISH MATERIALS SHALL BE INSTALLED CONTINUOUS UNDER CASEWORK. INFORMATION ON PLANS ARE FOR DIAGRAMMATIC PURPOSES ONLY AND FLOOR FINISHES UNDER CASEWORK MAY NOT BE SHOWN FOR CLARITY.
- ALL FLOOR PENETRATIONS SHALL BE SEALED WITH LISTED/RATED MATERIAL TO MAINTAIN INTEGRITY AND CONTINUITY OF FIRE ASSEMBLIES.
- AT LOCATIONS WHERE THE EXISTING FLOOR FINISHES ARE TO REMAIN, DEMO ONLY AS MUCH AS REQUIRED TO ACCOMMODATE NEW PARTITIONS. WALL BASE AT THESE LOCATIONS SHALL MATCH EXISTING ADJACENT WALL BASE.
- COLORS, PATTERNS AND TEXTURES OF ALL FINISH MATERIALS SHALL BE SELECTED BY OWNER. PROVIDE SAMPLES FROM MANUFACTURER'S FULL RANGE AS REQUIRED.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON FLOORING MATERIALS, INSTALLATION AND SPECIFICS.
- AT LOCATIONS WHERE NEW FLOORING MEETS EXISTING FLOORING, THE GC SHALL CAREFULLY AND CLEANLY CUT EXISTING FLOORING AS REQUIRED TO ABUT NEW FLOOR FINISH. PROVIDE TRANSITION STRIP AT LOCATIONS WHERE FLOORING TYPE CHANGES. SEE PLANS AND LEGEND.

SURFACE PREPARATION NOTE:

FOR ALL WORK AREAS: WHERE REQUIRED, NEW FLOOR TO BE INSTALLED OVER SELF LEVELING MATERIAL. BASIS OF DESIGN TO BE 'CMP LEVEL 1' SELF-LEVELING WITH 'CMP LOCKDOWN' VAPOR SUPPRESSION SYSTEM.
REFER TO FLOOR PATTERN PLANS OF INDIVIDUAL AREAS AND SPECIFICATION SECTION 035416 FOR ADDITIONAL INFORMATION. CONSULT INDIVIDUAL FLOORING MANUFACTURER TO VERIFY SURFACE PREPARATION REQUIREMENTS AND COMPATIBILITY.

REFER TO INTERIOR FINISH SCHEDULE ON DRAWING A6.20 FOR ADDITIONAL INFORMATION.

REFER TO GENERAL NOTES ON SHEET A2.00

- # SYMBOL INDICATES CONSTRUCTION KEY NOTE. CONSTRUCTION TAGS CORRESPOND TO THE WORK AREA LETTER IN THE DRAWING TITLE INDICATOR LABELED "WORK AREA". REFER TO CONSTRUCTION KEY NOTES ON SHEET A2.00

ADD ALTERNATE MULTI-PURPOSE FLOORING REPLACEMENT

REFER TO BID FORM AND SPECIFICATION SECTION 012300 FOR ADDITIONAL INFORMATION.

Proposed Finish Floor Plan - Third Floor

Date	1/10/20
Checked	DLF
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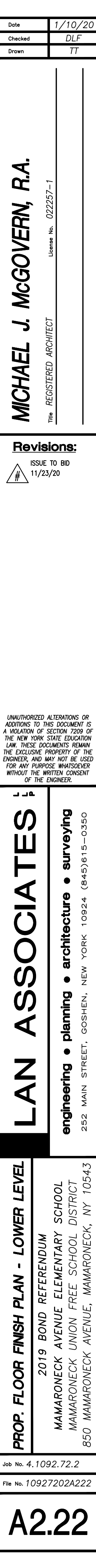
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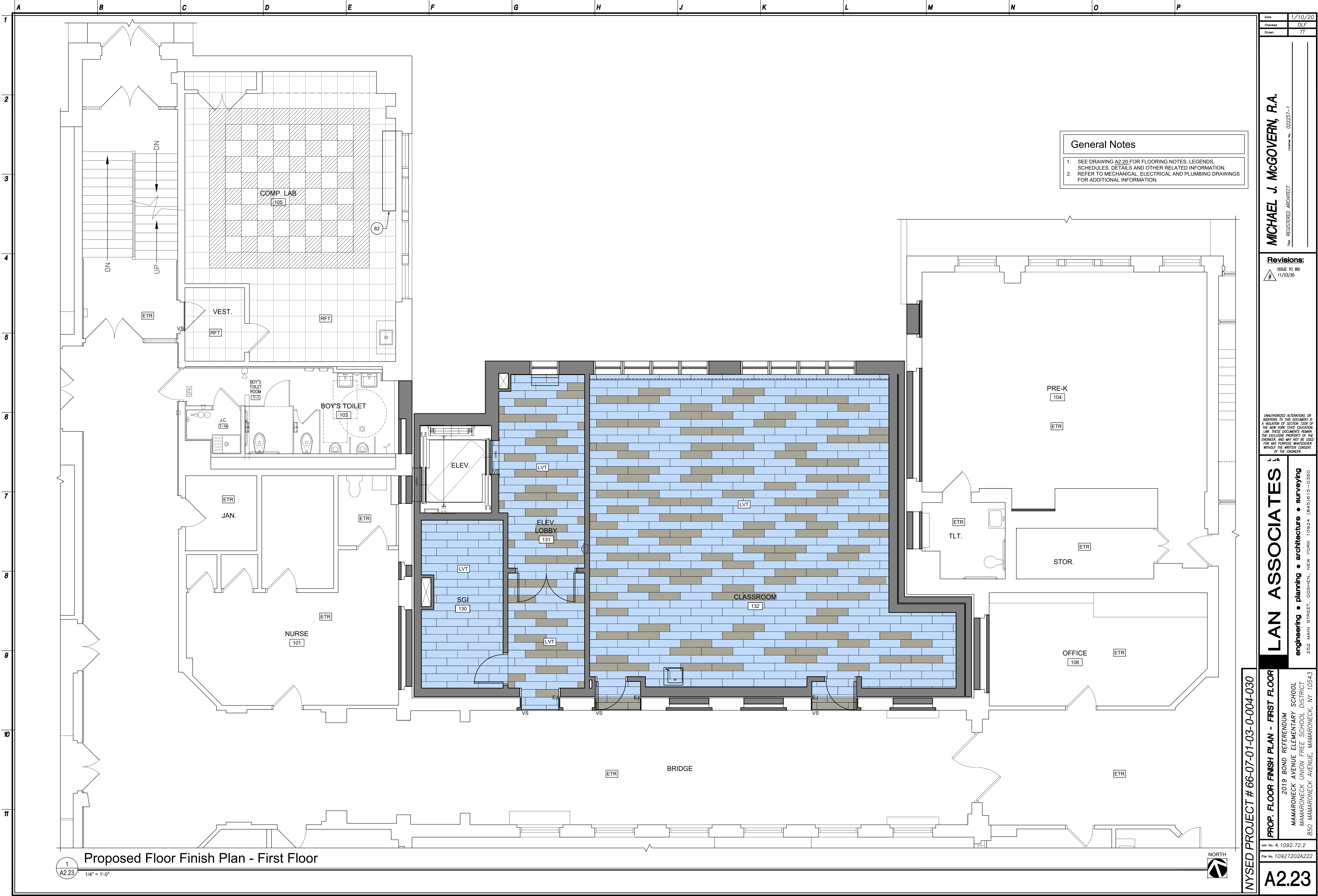
PROP. FLOOR FINISH PLANS & LEGEND
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 10927202A220

A2.20





General Notes

1. SEE DRAWING A2.20 FOR FLOORING NOTES, LEGENDS, SCHEDULES, DETAILS AND OTHER RELATED INFORMATION.

2. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

1/10/20

DLF

TT

MICHAEL J. MCGOVERN, R.A.

REGISTERED ARCHITECT

022257-1

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PROP. FLOOR FINISH PLAN - FIRST FLOOR

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL

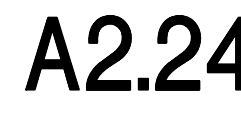
MAMARONECK UNION FREE SCHOOL DISTRICT

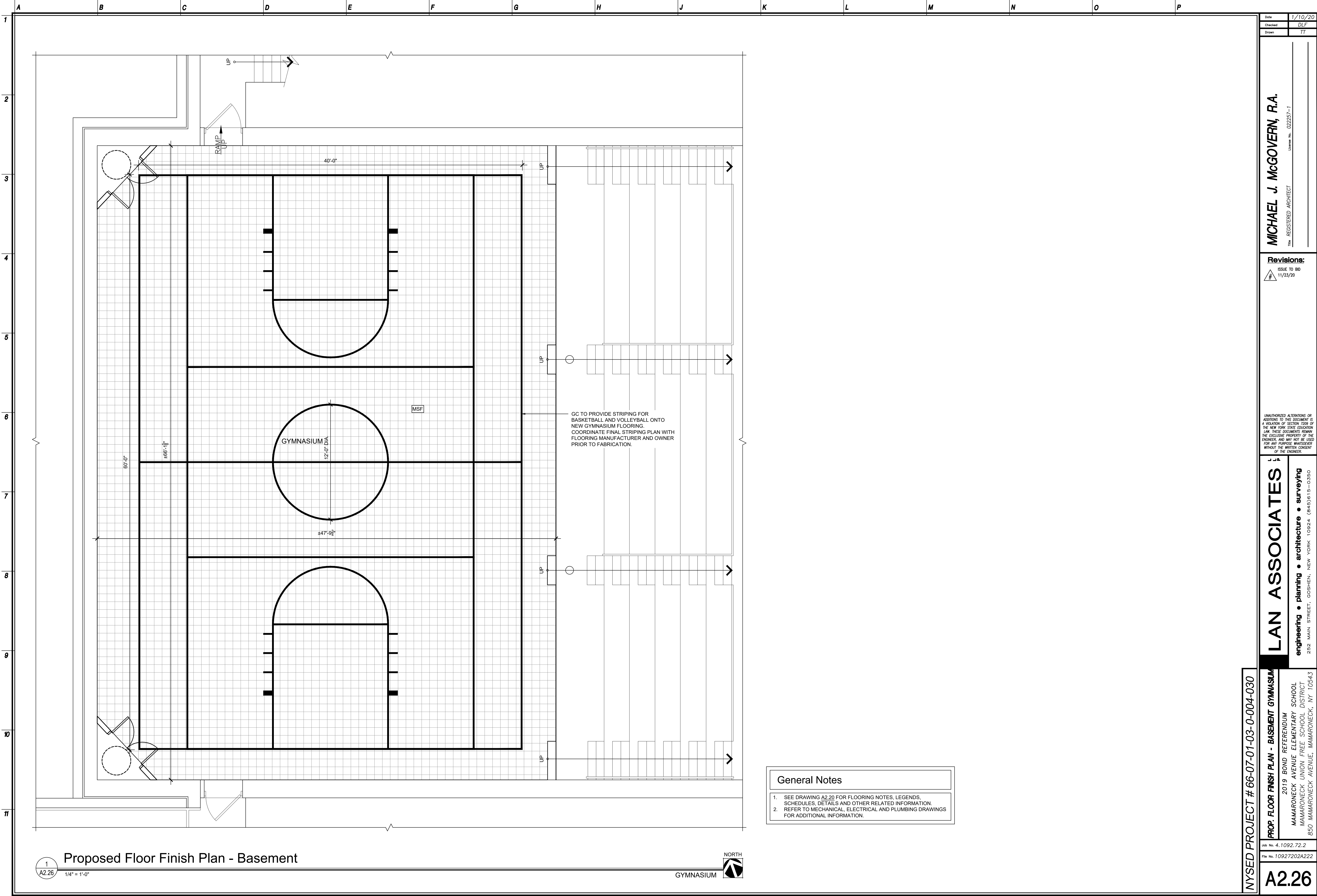
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4,1092.72.2

File No. 10927202A222

A2.23





Symbol Legend

	AREA OF MASONRY (BRICK AND STONE) REMOVAL AND REPLACEMENT WITH NEW BRICK AND EXISTING STONE. REFER TO NOTES (2) (3)
	AREA OF MASONRY (BRICK AND STONE) CLEANING, REPOINTING AND REPAIR. REFER TO NOTES (1) (2)
	APPROXIMATE AREA OF CRACKED BRICK. CONTRACTOR TO FIELD VERIFY QUANTITY. REFER TO REPAIR DETAILS ON A8.21 AND NOTE (5)

Brick Veneer Replacement Notes

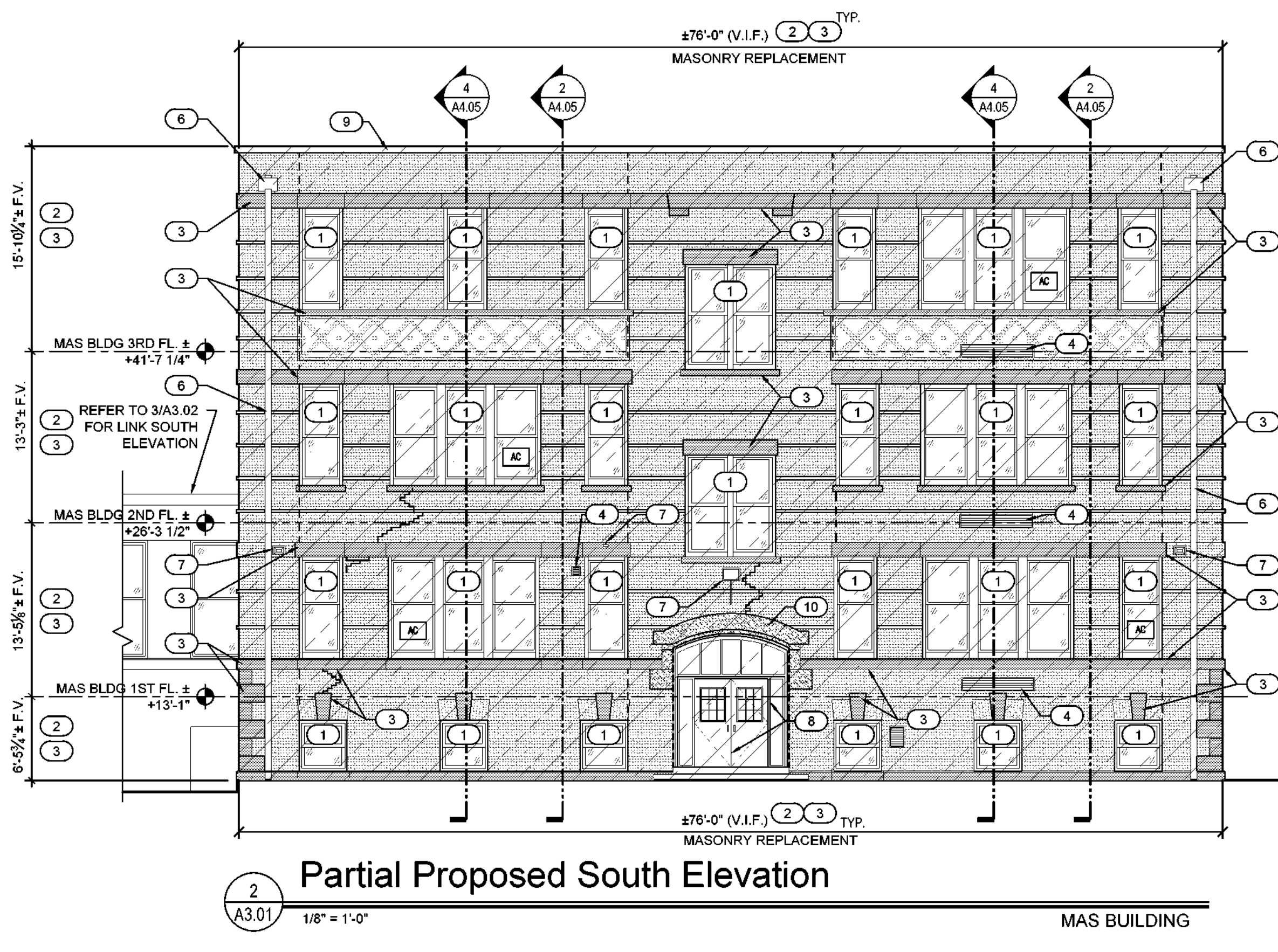
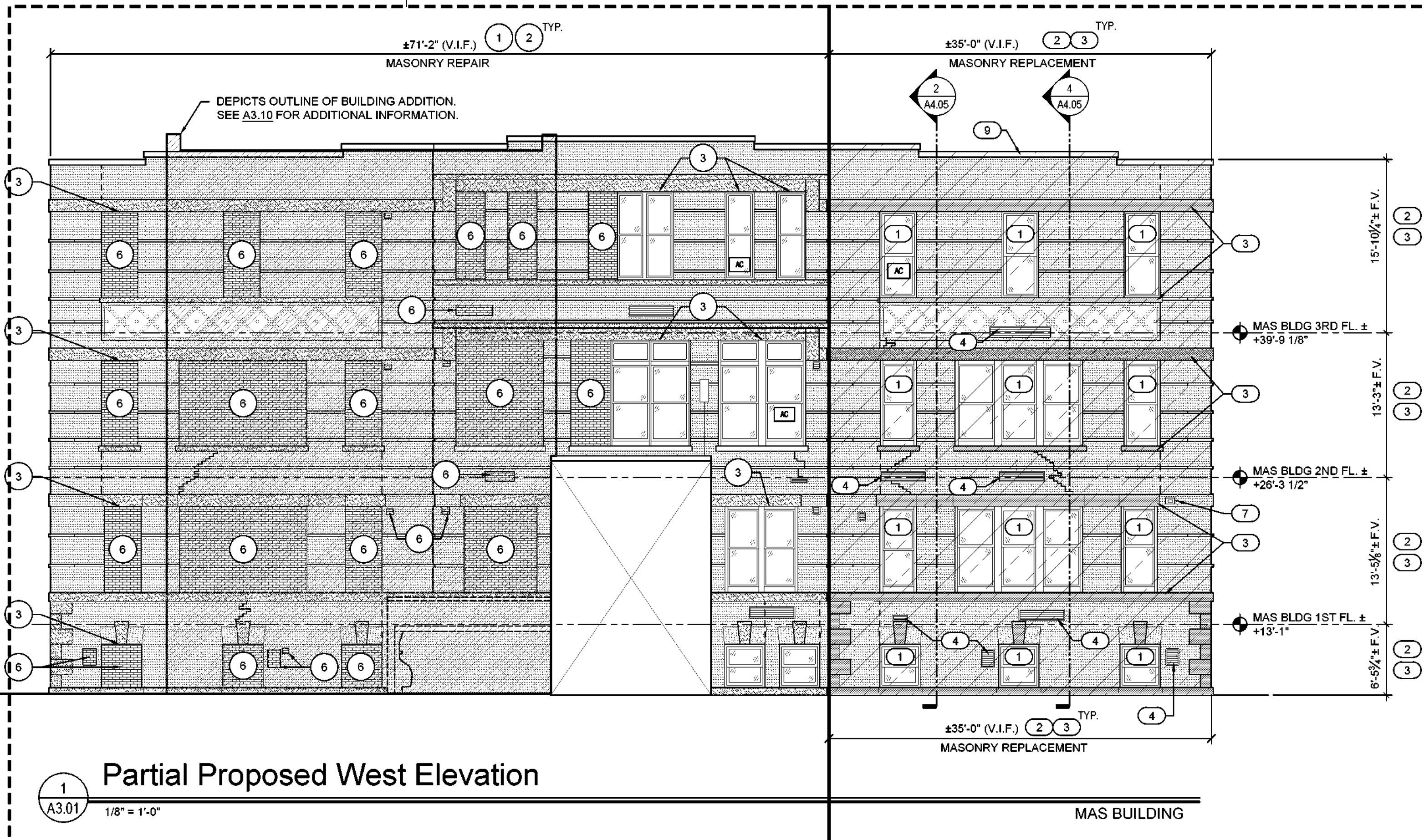
1. THE WORK SHALL CONSIST OF THE REMOVAL AND REPLACEMENT OF THE EXTERIOR BRICK VENEER, FLASHINGS, WATERPROOFING, UNIT VENTILATOR LOUVERS AND WALL SLEEVES AS INDICATED ON THE DRAWINGS. WORK SHALL ALSO INCLUDE THE REMOVAL, SALVAGING, AND RE-INSTALLATION OF EXISTING WINDOWS AND CAST STONE SILLS, HEADERS, AND BANDS.
2. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS AND THE EXISTING CONDITIONS IN THE FIELD PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL SUBMIT A SCHEDULE AND SEQUENCE OF THE WORK FOR REVIEW PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS IN THE PERFORMANCE OF THE WORK AND TO MAINTAIN A SAFE WORKSITE FOR THE WORKMEN, BUILDING OCCUPANTS AND PEDESTRIANS AND TO PROTECT EXISTING BUILDING COMPONENTS AND SITE FEATURES TO REMAIN.
3. THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE ARCHITECT/ENGINEER TO INSPECT THE FIELD CONDITIONS AT EACH STAGE OF THE WORK TO VERIFY THE EXISTING CONSTRUCTION. NO FABRICATIONS OF NEW COMPONENTS SHALL BE MADE UNTIL THE EXISTING CONDITIONS ARE VERIFIED AND MEASURED IN THE FIELD AT EACH LOCATION.
4. THE EXISTING LINTELS OVER THE LARGE WINDOWS SHALL BE EXPOSED BY THE CONTRACTOR AND INSPECTED IN THE FIELD BY THE ENGINEER AT THE START OF WORK. FIELD CONDITIONS MAY REQUIRE MODIFICATION TO THE SPECIFIED REPAIR DETAIL. NO FABRICATION OF NEW COMPONENTS SHALL BE MADE UNTIL THE FIELD CONDITIONS ARE DETERMINED AND THE REPAIR DETAILS VERIFIED.
5. EXISTING BRICK BACKUP WALLS SHALL BE STABILIZED AS DIRECTED IN FIELD BY ARCHITECT/ENGINEER WITH STAINLESS STEEL HELICAL ANCHORS AT 24" OC HORIZONTALLY AND 16" OC VERTICALLY. ADDITIONAL ANCHORS SHALL BE LOCATED AT 8" OC AROUND ALL VENEER OPENINGS AND ALONG ALL VERTICAL JOINTS. ANCHORS SHALL BE "HOHMANN" #391 REMEDIAL TIES, 10 MM DIAMETER. THE ANCHOR LENGTH SHALL BE DETERMINED BASED ON FIELD MEASUREMENTS OF THE EXISTING WALL.
6. THE NEW BRICK VENEER SHALL BE ANCHORED TO EXISTING BRICK BACKUP WALL WITH NEW CONCRETE SEAL TIE ANCHORS WITH 2 SEAL BYNALOK WIRE TIE" BY "HOHMANN & BERNARD, INC." MINIMUM SPACING OF 16" O.C. VERTICAL AND 24" O.C. HORIZONTAL.

Brick Veneer Replacement Key Notes

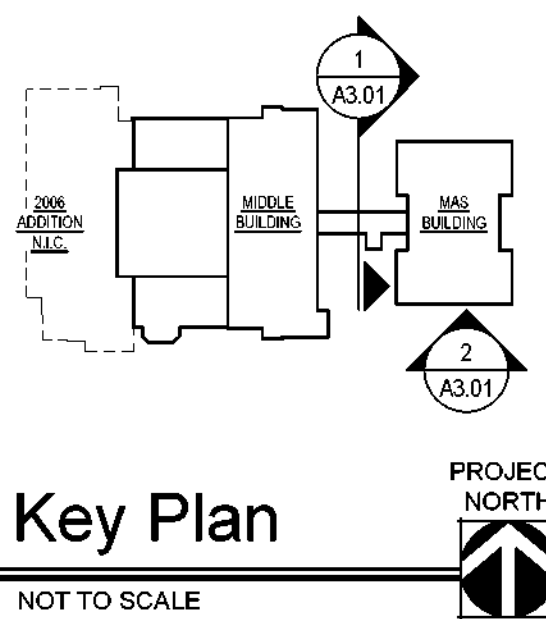
- (7) CONSTRUCTION KEY NOTE SYMBOL
- REFER TO PLANS, SECTIONS & ELEVATIONS
1. CONTRACTOR SHALL REINSTALL EXISTING SALVAGED WINDOWS AND BLINDS. PROVIDE NEW ALUMINUM EXTERIOR WINDOW EXTENSION SILL. REINSTALL ALL WINDOW PANNING AND CAULK AT ENTIRE PERIMETER OF WINDOW. INSTALL NEW WOOD INTERIOR SILL AND CASING TO MATCH EXISTING. PROVIDE NEW WINDOW LINTELS AND COLUMNS (WHERE APPLICABLE) AND PER DETAILS 385/A8.20.
 2. CONTRACTOR TO INSTALL NEW BRICK VENEER (COLOR TO MATCH EXISTING. REFER TO SPECIFICATION SECTION 042113) AND BRICK MASONRY TIES. ORDER OF OPERATIONS FOR BRICK INSTALLATION SHALL INCLUDE THE FOLLOWING AS ILLUSTRATED ON SHEET A8.20:
 1. INSTALL HELICAL WALL TIES ("HOHMANN" #391-10 OR "HOHMANN & BERNARD, INC." EQUIVALENT) INTO BRICK BACKUP WALL TO STABILIZE AS DIRECTED IN FIELD.
 2. INSTALL NEW AIR BLOCK 31MR. LIQUID APPLIED VAPOR-PERMEABLE AIR BARRIER MANUFACTURED BY "HENRY" OVER EXISTING MASONRY BACKUP WALL.
 3. INSTALL NEW "TOTAL FLASH" INTEGRATED CAVITY WALL DRAINAGE SYSTEM PER DETAILS ON SHEET A8.20.
 4. INSTALL NEW "CONCRETE SEAL TIE ANCHORS WITH 2-SEAL BYNALOK WIRE TIE" BY "HOHMANN & BERNARD, INC." MINIMUM SPACING OF 16" O.C. VERTICAL AND 24" O.C. HORIZONTAL.
 3. CONTRACTOR REINSTALL EXISTING CAST STONE SILLS AND BANDING. REPLACE ALL DAMAGED PIECES WHERE APPLICABLE TO MATCH EXISTING.
 4. CONTRACTOR TO INSTALL NEW UNIT VENTILATOR LOUVER "RELIABLE" MODEL RBV7020 CHANNEL FRAME WITH KYNAR FINISH. INSTALL NEW SLEEVE PER DETAIL 618A.20, SECTION DRAWINGS 514A.05 AND NEW FLASHING PER DETAIL 121A8.20.
 5. FOLLOWING VISUAL INSPECTION OF THE CONDITION OF THE EXISTING LINTEL BY THE ARCHITECT/ENGINEER, CONTRACTOR SHALL INSTALL NEW LINTEL AS PER DETAILS 385/A8.20.
 6. CONTRACTOR TO REINSTALL EXISTING SCUPPER BOX AND LEADER FOLLOWING NEW BRICK VENEER INSTALLATION. ANCHOR AS PER 111/A8.20.
 7. CONTRACTOR SHALL REINSTALL EXISTING SURFACE MOUNTED LIGHTING FIXTURE, SPEAKER, ETC. FOLLOWING NEW BRICK VENEER INSTALLATION.
 8. EXISTING DOORS & FRAMES TO REMAIN.
 9. CONTRACTOR TO INSTALL NEW .050 ALUMINUM ROOF COPING TO MATCH EXISTING. PROVIDE NEW P.T. BLOCKING AS REQUIRED TO ACHIEVE NECESSARY HEIGHT. CAULK ALL EXISTING JOINTS IN EXISTING COPING NOT SCHEDULED TO BE REPLACED.
 10. EXISTING CAST STONE TO REMAIN. CLEAN CAST STONE. REPOINT ALL JOINTS.

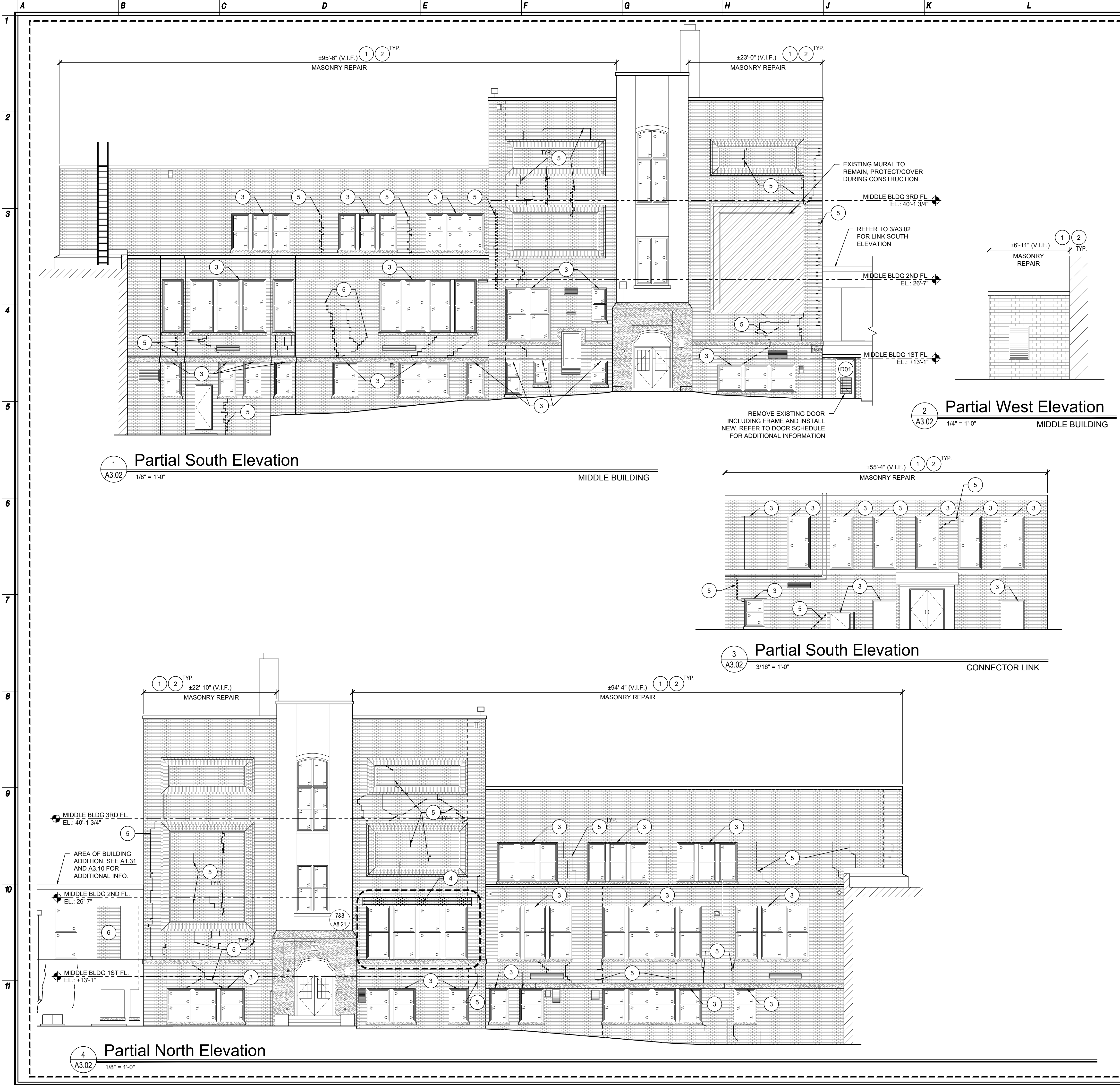
ADD ALTERNATE
MASONRY RESTORATION AT
MIDDLE BUILDING
REFER TO BID FORM AND
SPECIFICATION SECTION 012300
FOR ADDITIONAL INFORMATION.

ADD ALTERNATE
MASONRY FACADE REPLACEMENT
AT SOUTH AND PARTIAL WEST
ELEVATIONS OF MAS BUILDING
REFER TO BID FORM AND
SPECIFICATION SECTION 012300
FOR ADDITIONAL INFORMATION.



MAMARONECK AVENUE SCHOOL





Masonry Repair Key Notes

MASONRY REPAIR TYPE

1.

GC TO REPOINT EXISTING MASONRY FACADE.
• SEE DETAILS, NOTES AND "BRICK RE-POINTING CORRECTIVE PROCEDURE" ON SHEET A8.21 FOR ADDITIONAL INFORMATION.
• GC TO PROVIDE NEW MORTAR JOINT WHERE MORTAR IS MISSING FROM EXISTING MASONRY WALLS. NEW MORTAR SHALL MATCH EXISTING IN TYPE, COMPOSITION AND COLOR.
• GC TO REMOVE BRICKS WITH HAIRLINE CRACKS THAT ARE EXISTING OR THAT APPEAR AFTER CLEANING.
• GC TO CORRECT ALL OLD MASONRY REPAIRS THAT WERE DONE INCORRECTLY SUCH AS CAULKING OF JOINTS, ETC.

2.

GC TO CLEAN EXISTING MASONRY SURFACE WITH APPROPRIATE CLEANING AGENT. CONTRACTOR SHALL FOLLOW ALL APPLICATION PROCEDURES AS SET FORTH BY THE MANUFACTURER. PROTECT ALL SURFACES NOT INTENDED TO BE CLEANED. GC TO PROVIDE MOCK-UP OF CLEANED SURFACE. SEE NOTES BELOW. SEE SPECIFICATION SECTION 040110 AND RELATED SECTIONS FOR ADDITIONAL INFORMATION. REFER TO MASONRY CLEANING NOTES BELOW.

3.

GC TO SCRAPE, PRIME AND PAINT EXISTING STEEL LINTELS. SEE "STEEL LINTEL PAINTING NOTES" ON SHEET A8.21 FOR ADDITIONAL INFORMATION.

4.

GC TO REPLACE EXISTING STEEL LINTEL. SEE DETAILS 788/A8.21 FOR ADDITIONAL INFORMATION.

5.

GC TO REPAIR STEP CRACK IN EXISTING MASONRY WALL. SEE DETAILS 283/A8.21 FOR ADDITIONAL INFORMATION. NOT ALL CRACKS ARE SHOWN ON DRAWING. CONTRACTOR TO FIELD VERIFY BEFORE BID AS WELL AS AFTER BRICK CLEANING FOR HAIRLINE CRACKS.

NOTES:

• GC TO HIRE A CONSERVATOR PROVIDE MORTAR ANALYSIS OF EXISTING MORTAR FOR MATCHING. BASE BID TO INCLUDE UP TO EIGHT (8) MORTAR TEST LOCATIONS. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

• GC TO PROVIDE MOCK-UPS OF EXTERIOR WALL ASSEMBLIES WHERE INDICATED. MOCK-UPS SHALL BE FULLY FINISHED EXTERIOR ASSEMBLIES, AND SHALL INCLUDE ALL FLASHINGS.

• GC TO PROVIDE CLEANING MOCK-UP OF EACH TYPE OF CLEANED SURFACE. CLEANING MOCK-UPS MINIMUM 4' x 4' AND SHALL BE LOCATED IN AN INCONSPICUOUS AREA. REFER TO SPECIFICATION SECTION 040110.

• REFER TO SPECIFICATION SECTION "042113 - BRICK MASONRY" FOR ADDITIONAL INFORMATION REGARDING BRICK CONSTRUCTION.

• WHERE MASONRY INFILL/REBUILDING/RECONSTRUCTION IS INDICATED, BRICK TYPE, MORTAR COLOR, COMPOSITION, COLOR AND BONDING PATTERN SHALL MATCH ADJACENT IN LIKE AND KIND.

• GC TO REMOVE AND RE-SET EXISTING HVAC LOUVER IN EXISTING MASONRY WALL AS REQUIRED.

Masonry Cleaning Notes

1.

REFER TO SPECIFICATION SECTION 040110 FOR ADDITIONAL MASONRY CLEANING REQUIREMENTS.

2.

GC TO PROTECT ADJACENT SURFACES NOT TO BE CLEANED.

3.

GC TO CLEAN ALL EXPOSED SURFACES OF MASONRY (WHERE INDICATED) USING CLEANING MATERIALS SPECIFIED. ALL CLEANED SURFACES SHALL HAVE A UNIFORM FINISHED APPEARANCE.

4.

GC TO TEST EXISTING MASONRY FOR COMPOSITION AND SELECT APPROPRIATE CLEANER BASED ON MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS FOR SUBSTRATE TO BE CLEANED.

5.

GC TO UTILIZE CLEANERS AND CLEANING METHODS THAT MINIMIZE DAMAGE TO SURFACES AND DETERIORATION OF APPEARANCE.

6.

GC SHALL CONFER WITH ARCHITECT FOR INSPECTION OF CLEANING FOR EACH MASONRY TYPE. CLEANING WORK AREA SHALL ONLY BE CONSIDERED COMPLETE WHEN ACCEPTED BY ARCHITECT AND OWNER.

7.

AT COMPLETION OF WORK, GC TO REMOVE AND DISCARD PROTECTIVE COVERINGS. IN THE EVENT THAT PROTECTED SURFACES BECOME DAMAGED, CLEAN/REPAIR TO THE SATISFACTION OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

8.

GC SHALL COLLECT, NEUTRALIZE AND DISPOSE OF ANY EXCESS CLEANING CHEMICALS / AFTER-WASH IN AN APPROVED MANNER AS DIRECTED BY THE MANUFACTURER. GC SHALL BE RESPONSIBLE FOR ANY RUNOFF OF EXCESS MATERIALS.

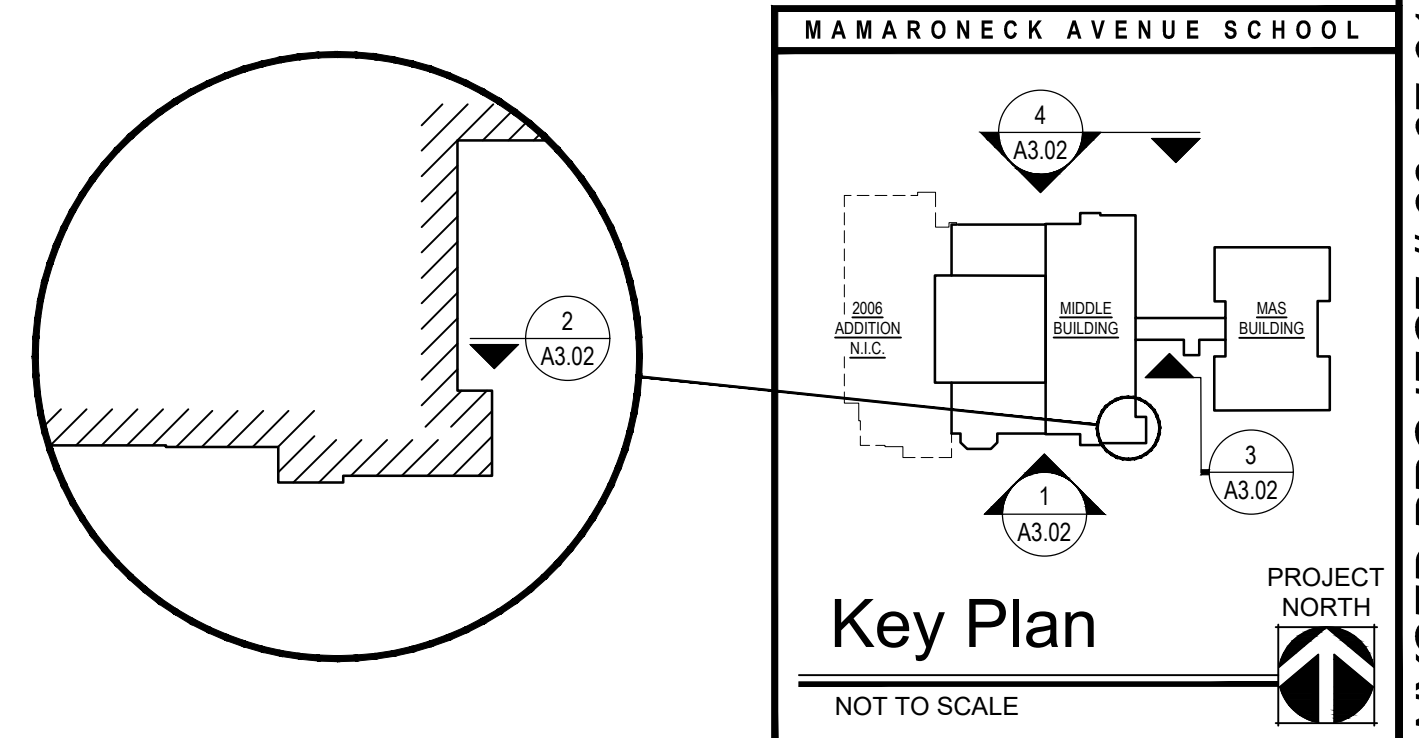
Symbol Legend

AREA OF MASONRY (BRICK AND STONE) REMOVAL AND REPLACEMENT WITH NEW BRICK AND EXISTING STONE. REFER TO NOTES 2, 3

AREA OF MASONRY (BRICK AND STONE) CLEANING, REPOINTING AND REPAIR. REFER TO NOTES 1, 2 AND DETAILS ON A8.21

APPROXIMATE AREA OF CRACKED BRICK. CONTRACTOR TO FIELD VERIFY QUANTITY. REFER TO REPAIR DETAILS ON A8.21 AND NOTE 5

ADD ALTERNATE MASONRY RESTORATION AT MIDDLE BUILDING. REFER TO BID FORM AND SPECIFICATION SECTION 012300 FOR ADDITIONAL INFORMATION.



Date1/10/20

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DrawnLH

1/10/20

02227-1

REGISTERED ARCHITECT

Revisions:

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EXTERIOR ELEVATIONS - MASONRY REPAIR

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL

MAMARONECK UNION FREE SCHOOL DISTRICT

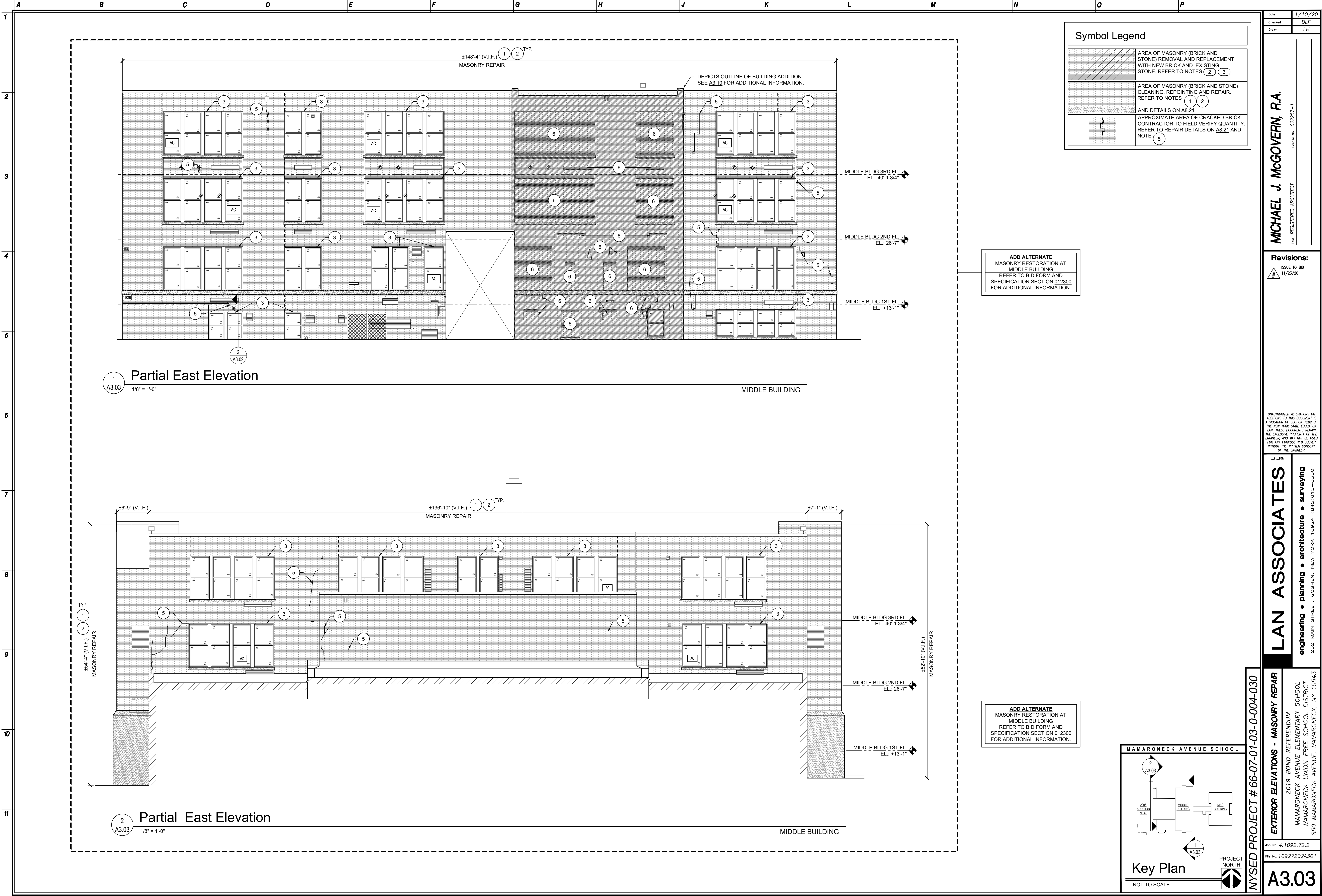
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 10927202A301

NYSED PROJECT # 66-07-01-03-0-004-030

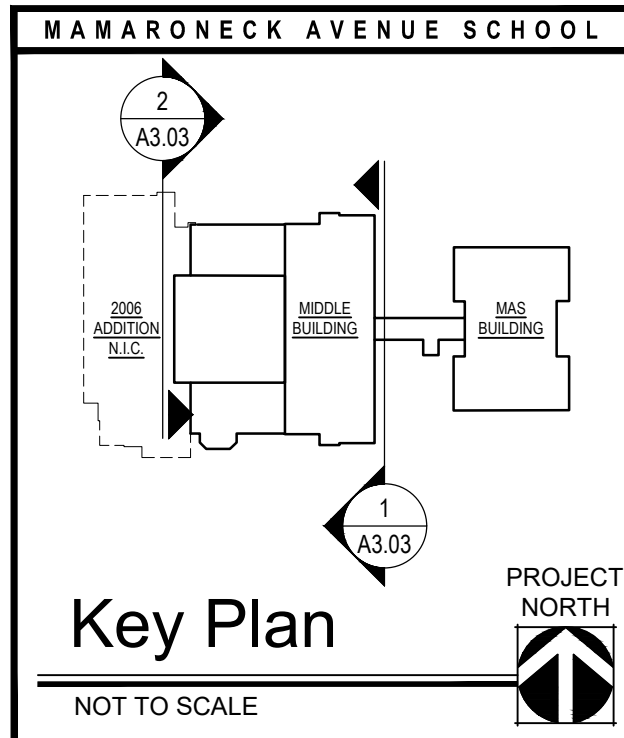
A3.02



Symbol Legend	
	AREA OF MASONRY (BRICK AND STONE) REMOVAL AND REPLACEMENT WITH NEW BRICK AND EXISTING STONE. REFER TO NOTES (2) (3)
	AREA OF MASONRY (BRICK AND STONE) CLEANING, REPOINTING AND REPAIR. REFER TO NOTES (1) (2) AND DETAILS ON A8.21
	APPROXIMATE AREA OF CRACKED BRICK. CONTRACTOR TO FIELD VERIFY QUANTITY. REFER TO REPAIR DETAILS ON A8.21 AND NOTE (5)

ADD ALTERNATE
MASONRY RESTORATION AT
MIDDLE BUILDING
REFER TO BID FORM AND
SPECIFICATION SECTION 012300
FOR ADDITIONAL INFORMATION.

ADD ALTERNATE
MASONRY RESTORATION AT
MIDDLE BUILDING
REFER TO BID FORM AND
SPECIFICATION SECTION 012300
FOR ADDITIONAL INFORMATION.



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MICHAEL J. MCGOVERN, R.A.

REGISTERED ARCHITECT

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EXTERIOR ELEVATIONS - MASONRY REPAIR

2019 BOND REFERENDUM

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MAMARONECK UNION FREE SCHOOL DISTRICT

850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 10927202A301

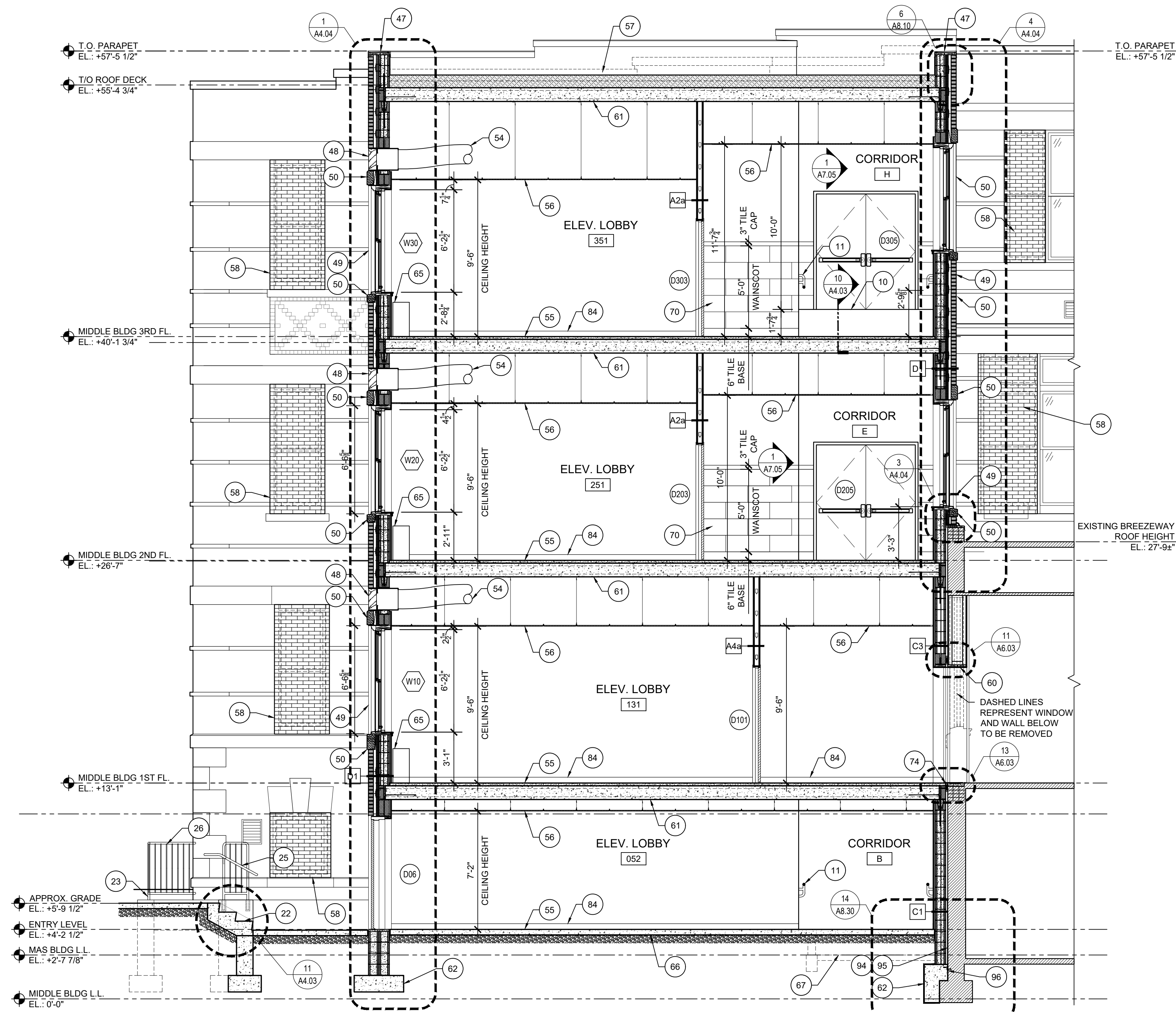
NYSED PROJECT # 66-07-01-03-0-004-030

A3.03

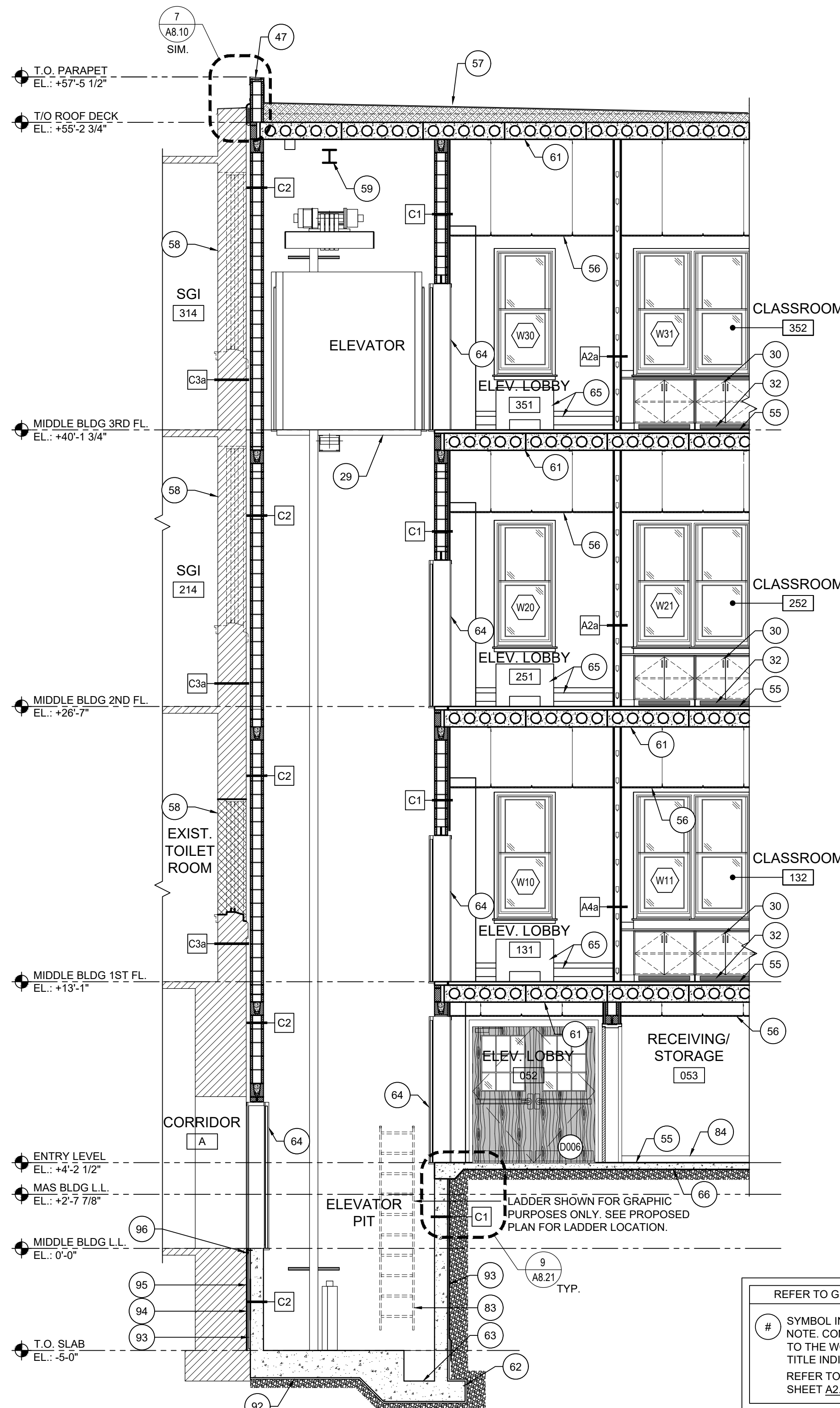


Elevator Job Site Requirements

- THE FOLLOWING NOTES ARE DESIGNATED FOR THE 'OTIS' GEN2 MACHINE-ROOM LESS ELEVATOR SYSTEM. SEE SPECIFICATION SECTION 142100 FOR ADDITIONAL INFORMATION.
- HOISTWAY:**
- HOISTWAY MUST BE CONSTRUCTED PER FINAL LAYOUT DRAWINGS.
 - THE LOCATION OF ATTACHMENT SUPPORT FOR THE TOP RAIL BRACKET IS AT A CRITICAL ELEVATION CALLED OUT ON THE HOISTWAY LAYOUT.
 - AN OVERHEAD BEAM MUST BE PROVIDED AT THE LOCATION CALLED OUT ON THE HOISTWAY LAYOUT AND DESIGNED TO SUPPORT 7,500 LBS PER ELEVATOR.
 - PROVIDE A CLEAR PLUMB HOISTWAY WITH VARIATIONS FROM THE SIZE SHOWN ON THE OTIS LAYOUT NOT TO EXCEED -0/+1" (25MM) AND NOT LESS THAN THE CLEAR DIMENSIONS SHOWN ON THE OTIS LAYOUT.
 - PRIOR TO THE START OF INSTALLATION, PROVIDE A DRY, PROPERLY FRAMED, ENCLOSED AND VENTED HOISTWAY IN ACCORDANCE WITH ALL APPLICABLE CODES.
 - * FRONT ENTRANCE WALL AT MAIN AND TOP LANDING, OR LANDING BELOW TOP LANDING IF THE CONTROLLER IS LOCATED THERE, IS NOT TO BE CONSTRUCTED UNTIL OR AFTER ALL ELEVATOR EQUIPMENT IS INSTALLED IN THE HOISTWAY.
- SMOKE DETECTORS:**
- PROVIDE SMOKE DETECTORS, LOCATED AS REQUIRED, WITH WIRING FROM THE SENSING DEVICES TO THE CONTROLLERS DESIGNATED BY OTIS.
 - IF SPRINKLERS ARE INSTALLED IN THE HOISTWAY OR MACHINE SPACE, A MEANS TO AUTOMATICALLY DISCONNECT THE MAIN LINE POWER SUPPLY UPON OR PRIOR TO THE APPLICATION OF WATER IS REQUIRED (UNLESS PROHIBITED BY LOCAL CODE).
- PIT:**
- PIT FLOOR DESIGNED TO SUSTAIN VERTICAL FORCES ON CAR AND COUNTERWEIGHT RAILS AND IMPACT LOADS ON CAR AND COUNTERWEIGHT BUFFERS AS SHOWN ON OTIS LAYOUT.
- GENERAL NOTES:**
- THE GC IS RESPONSIBLE FOR ALL ITEMS LISTED ABOVE, ON THE OTIS LAYOUT PAGE, THE CONFIRMATION OF POWER SUPPLY DOCUMENT AND ALL CODE REQUIREMENTS. WHERE CONFLICTS BETWEEN DIFFERENT BUILDING CODES OCCUR, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE.
 - THESE NOTES ARE SPECIFIC TO THE ELEVATOR LISTED AS BASIS OF DESIGN. IF THE CONTRACTOR PROVIDES A SUBSTITUTION FOR THE ELEVATOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL JOBSITE REQUIREMENTS SET FORTH BY THE SUBSTITUTED MANUFACTURER. (SEE SPECIFICATION FOR SUBSTITUTION PROCEDURES)
- ELECTRICAL:**
- PROVIDE PERMANENT THREE PHASE ELECTRICAL FEEDER WITH SEPARATE GROUNDING CONDUCTOR TERMINATING IN CONTROLLER EITHER AT THE TOP LANDING OR LANDING BELOW BEFORE THE START OF THE INSTALLATION.
 - PROVIDE A TEMPORARY 220 VOLT, 30 AMP SINGLE PHASE, 4 WIRE ELECTRICAL SUPPLY FOR PLATFORM OPERATION DURING CONSTRUCTION AND AVAILABLE AT THE START OF ELEVATOR INSTALLATION.
 - PROVIDE A 125 VOLT, 15 AMP SINGLE PHASE BRANCH CIRCUIT FOR THE ELEVATOR CAR/LIGHT CIRCUITS AT THE START OF THE INSTALLATION OF THE TOP LANDING.
 - PROVIDE A TEMPORARY 220 VOLT, 30 AMP SINGLE PHASE, 4 WIRE ELECTRICAL SUPPLY FOR PLATFORM OPERATION DURING CONSTRUCTION AND AVAILABLE AT THE START OF ELEVATOR INSTALLATION.
 - PROVIDE A PERMANENT LIGHT FIXTURE AT THE TOP OF THE HOISTWAY. ILLUMINATION SPECIFICATIONS AND LOCATION OF THE LIGHT SWITCH ARE PROVIDED IN THE OTIS LAYOUT.
 - INSTALL A PERMANENT LIGHT FIXTURE AT THE TOP LANDING ENTRANCE IN THE HALL. ILLUMINATION SPECIFICATIONS AND LOCATION OF THE LIGHT SWITCH ARE PROVIDED IN THE OTIS LAYOUT.
 - PROVIDE ELECTRIC POWER FOR LIGHTS TOOLS, WELDING, HOISTING, ETC.
 - PROVIDE ONE DEDICATED OUTSIDE TELEPHONE LINE, PER ELEVATOR, AND TERMINATED AT THE CONTROLLER.
- BARRICADES (MUST MEET MINIMUM OSHA REQUIREMENTS):**
- GC SHALL PROVIDE GUARDING AND PROTECTION OF THE HOISTWAY DURING CONSTRUCTION.
 - HOISTWAY BARRICADES SHALL BE CONSTRUCTED, MAINTAINED, AND REMOVED BY THE GC.
 - GC SHALL PROVIDE A FREESTANDING REMOVABLE BARRICADE AT EACH HOISTWAY OPENING AT EACH FLOOR.
 - BARRICADES SHALL BE 42" HIGH, HAVE CENTERBOARD AND KICK BOARD AND WITHSTAND 200 LBS. OF LATERAL FORCE.
 - GC SHALL PROVIDE FULL ENTRANCE SCREENING/MESH IN FRONT OF ALL HOISTWAY ENTRANCES.



Proposed Building Section - Addition



Proposed Building Section - Addition

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Drawn: TT
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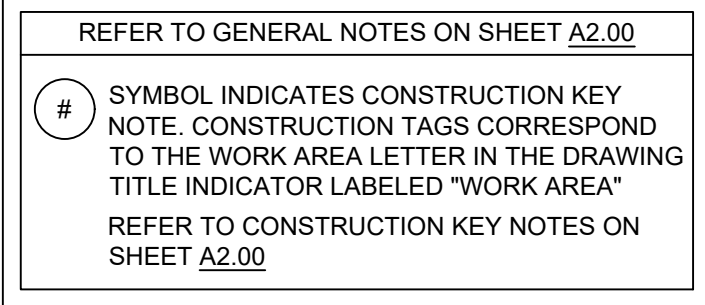
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NYSED PROJECT # 66-07-01-03-0-004-030
BUILDING SECTION
2019 BOND REFERENDUM
MAMARONECK JUNIOR ELEMENTARY SCHOOL
MAMARONECK AVENUE FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543
Job No. 4.1092.72.2
File No. 10927202A401

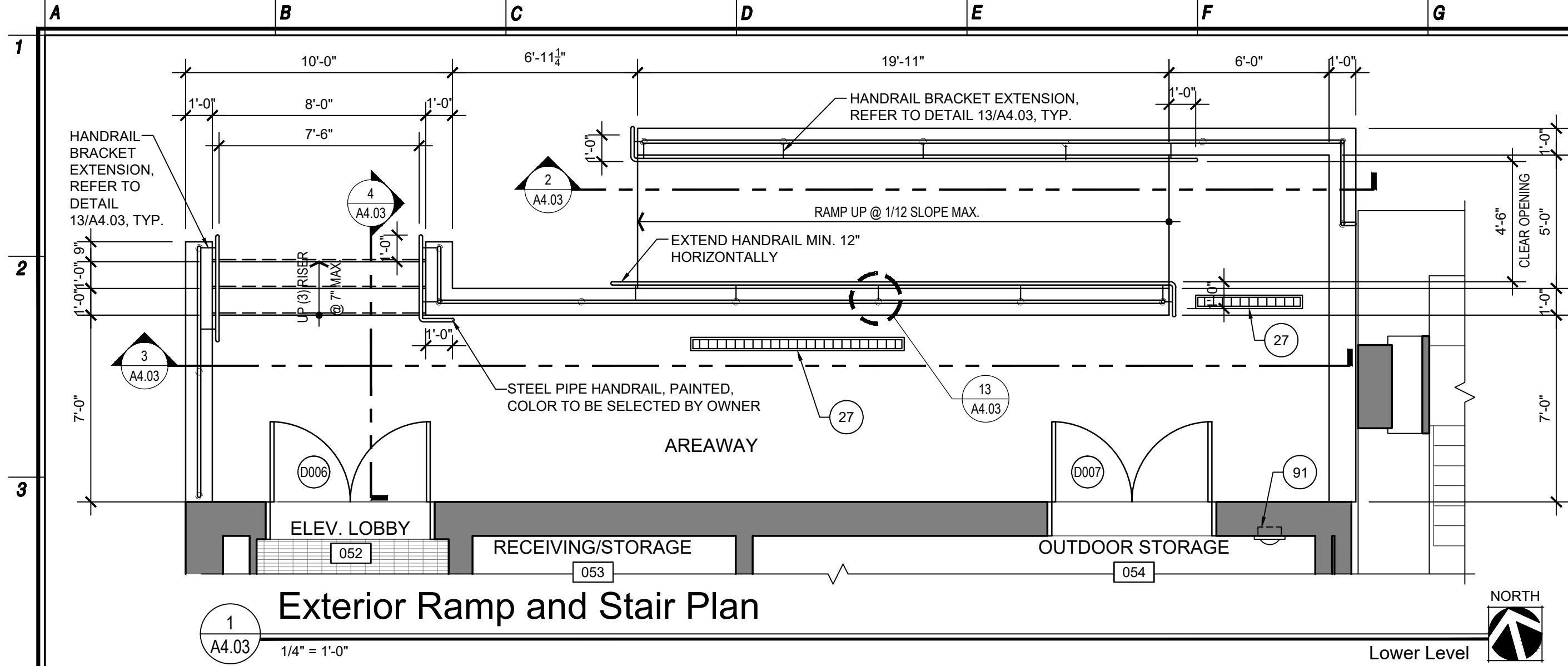
A4.01



1
A4.02

$$1/4^m = 1^s - 0^m$$

A4.02

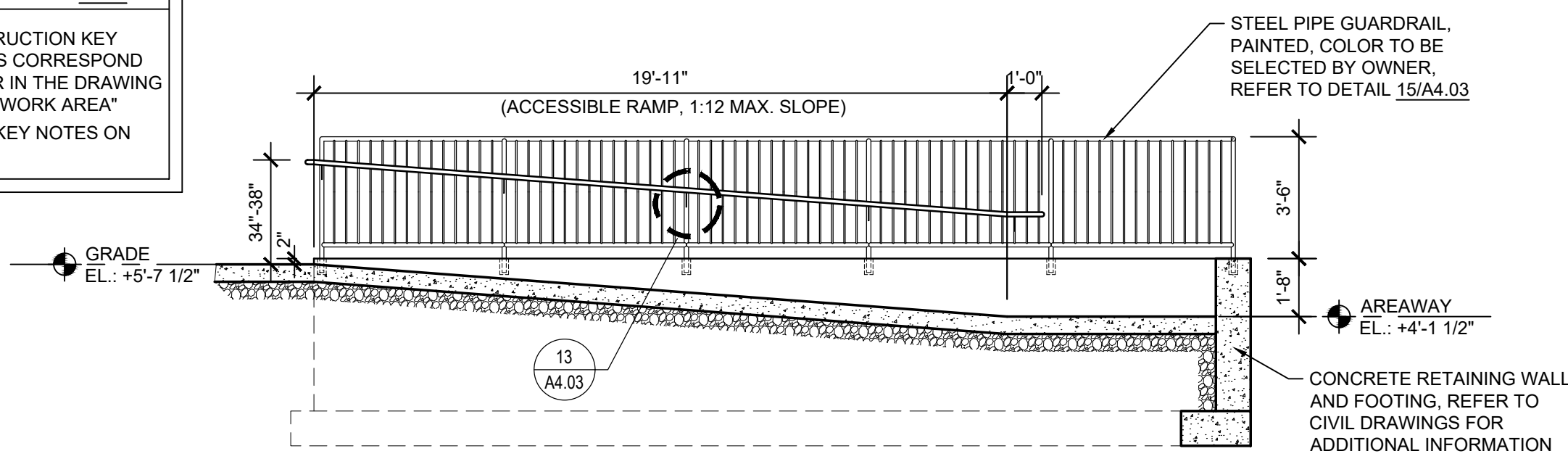


Exterior Ramp and Stair Plan

1
A4.03
1/4" = 1'-0"

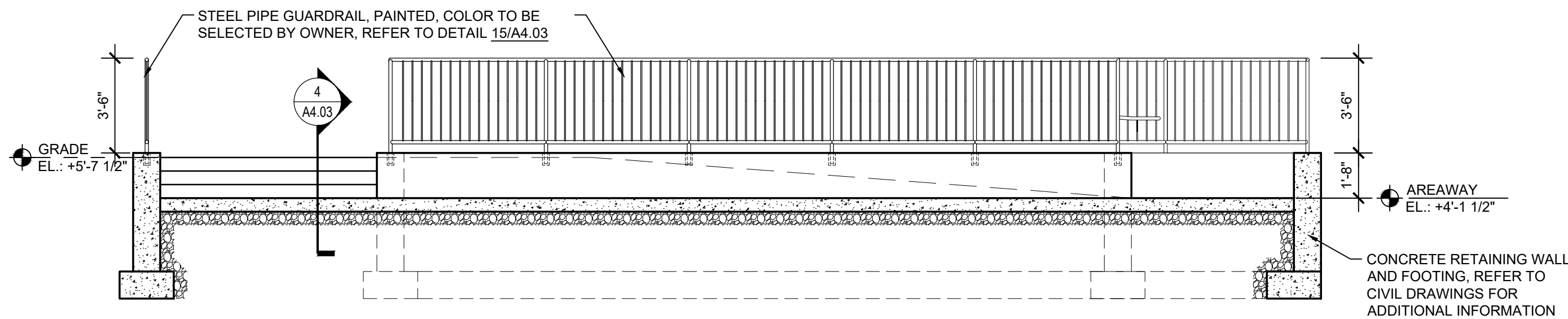
REFER TO GENERAL NOTES ON SHEET A2.00

SYMBOL INDICATES CONSTRUCTION KEY NOTE. CONSTRUCTION TAGS CORRESPOND TO THE WORK AREA LETTER IN THE DRAWING TITLE INDICATOR LABELED "WORK AREA" REFER TO CONSTRUCTION KEY NOTES ON SHEET A2.00



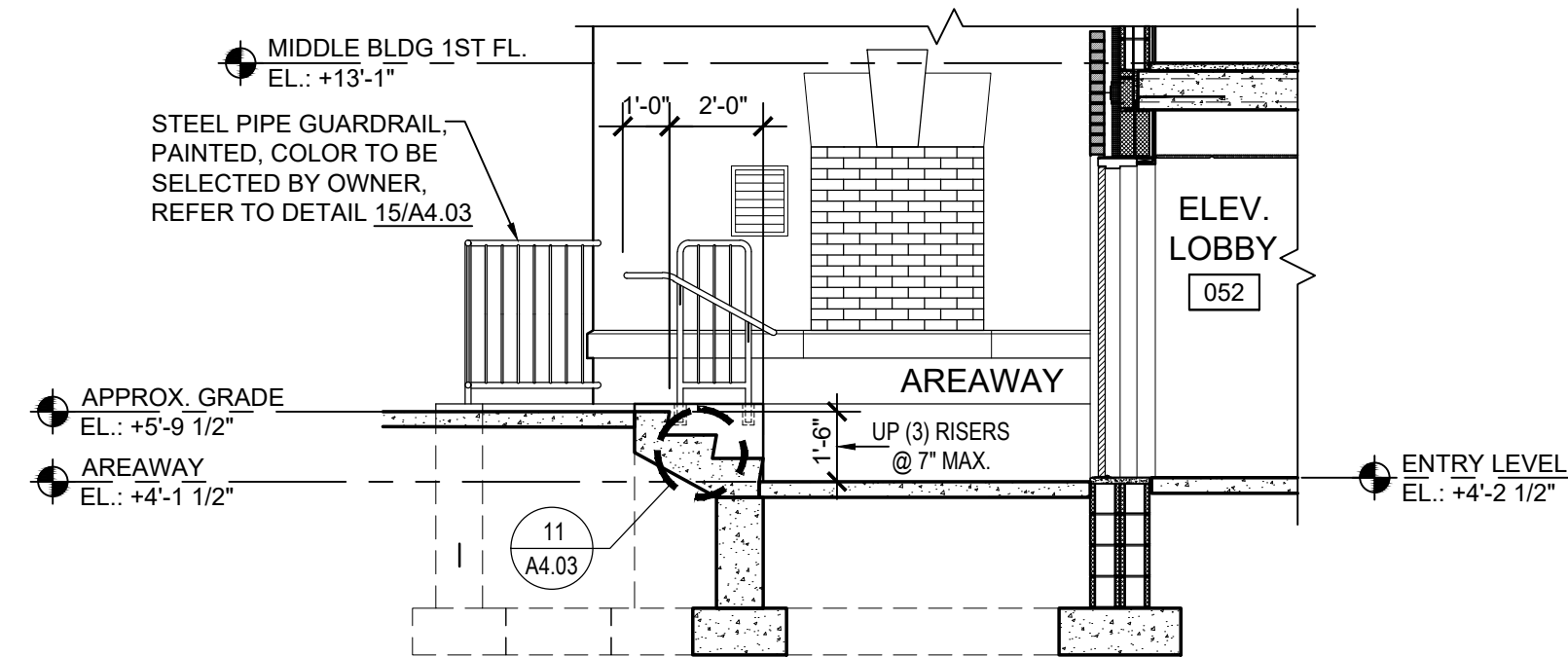
Ramp Section

2
A4.03
1/4" = 1'-0"



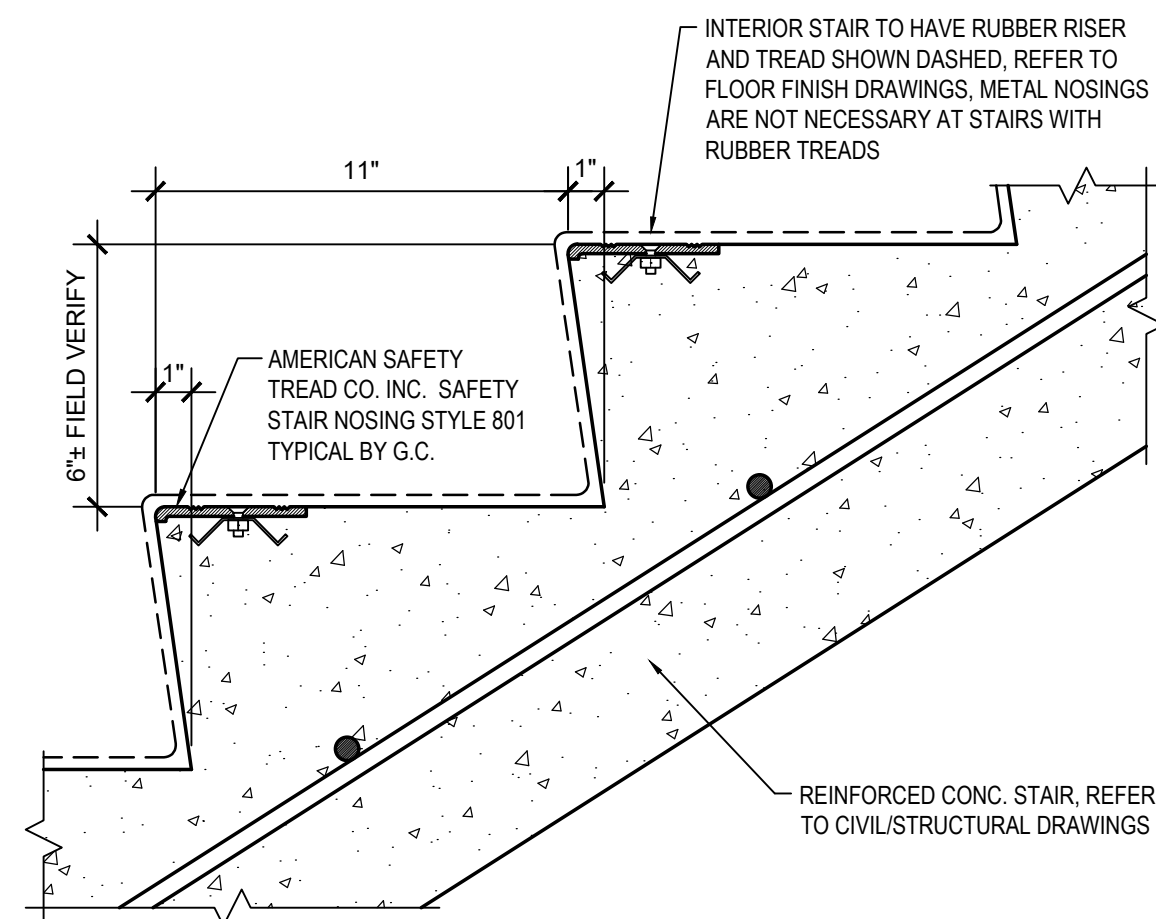
Areaway Section

3
A4.03
1/4" = 1'-0"



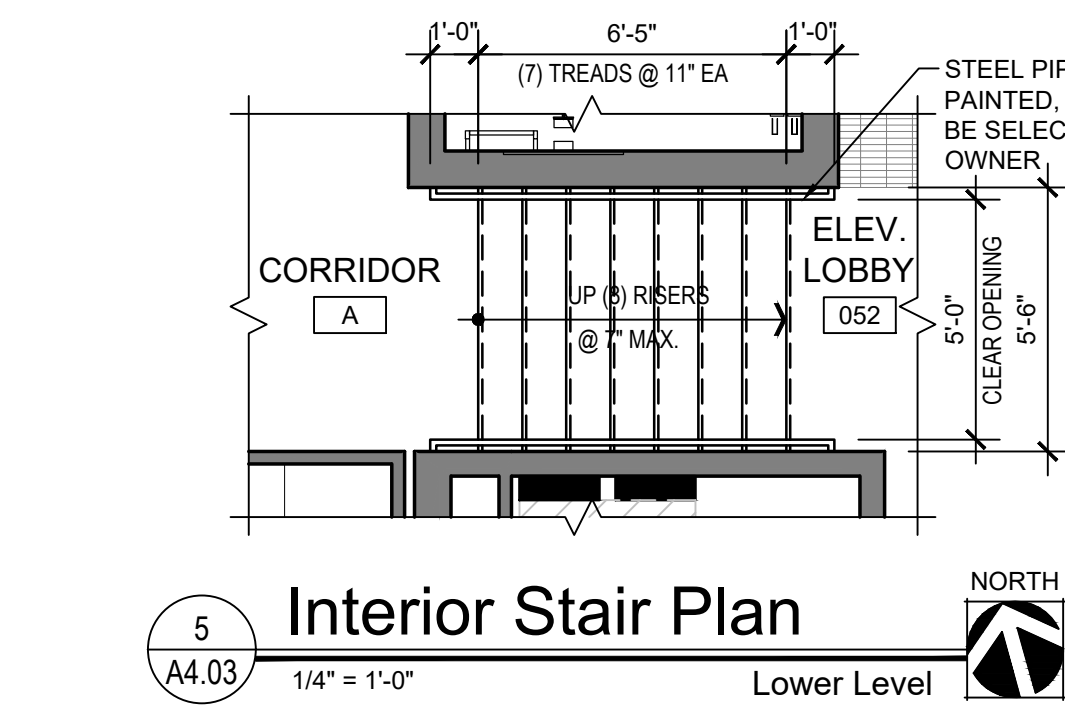
Areaway Stair Section

4
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1/4" = 1'-0"



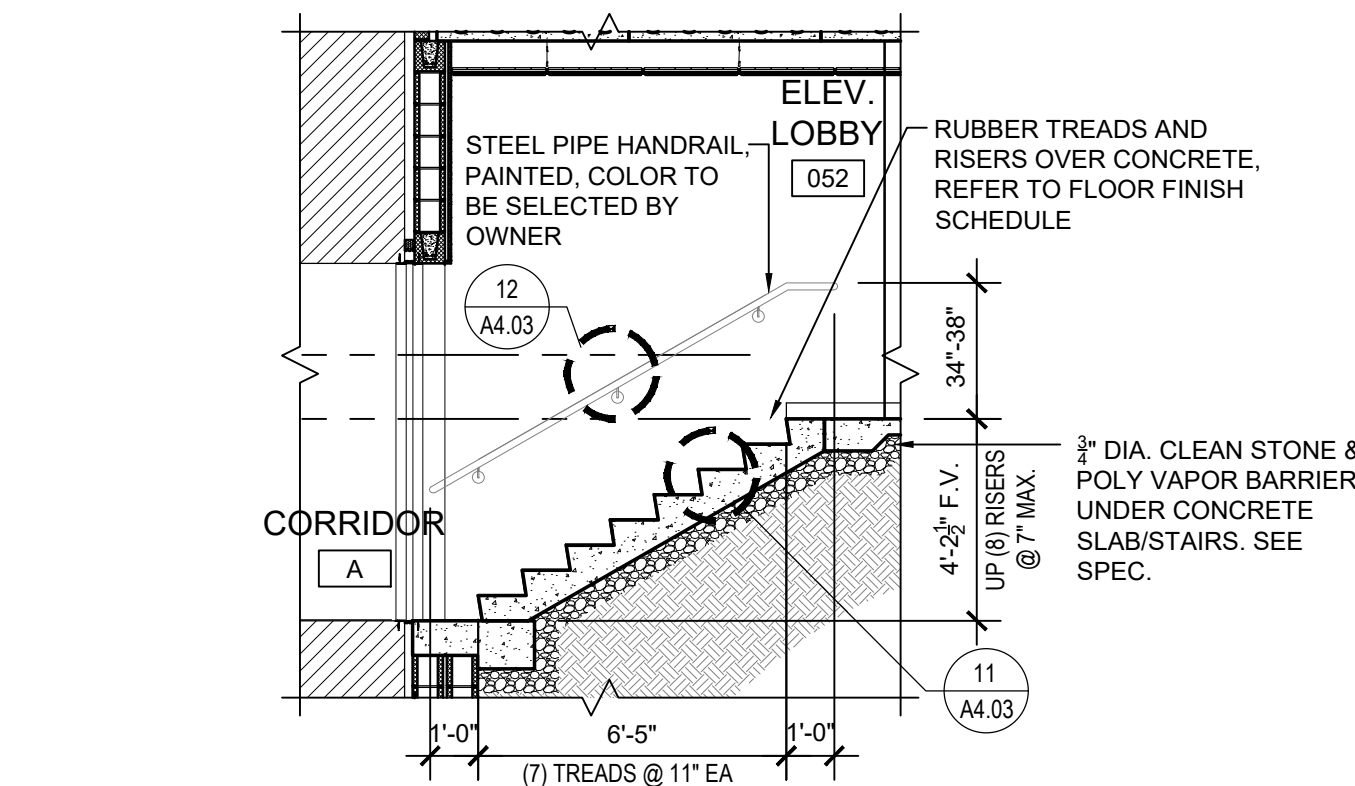
Exterior Stair Nosing Detail

11
A4.03
3" = 1'-0"



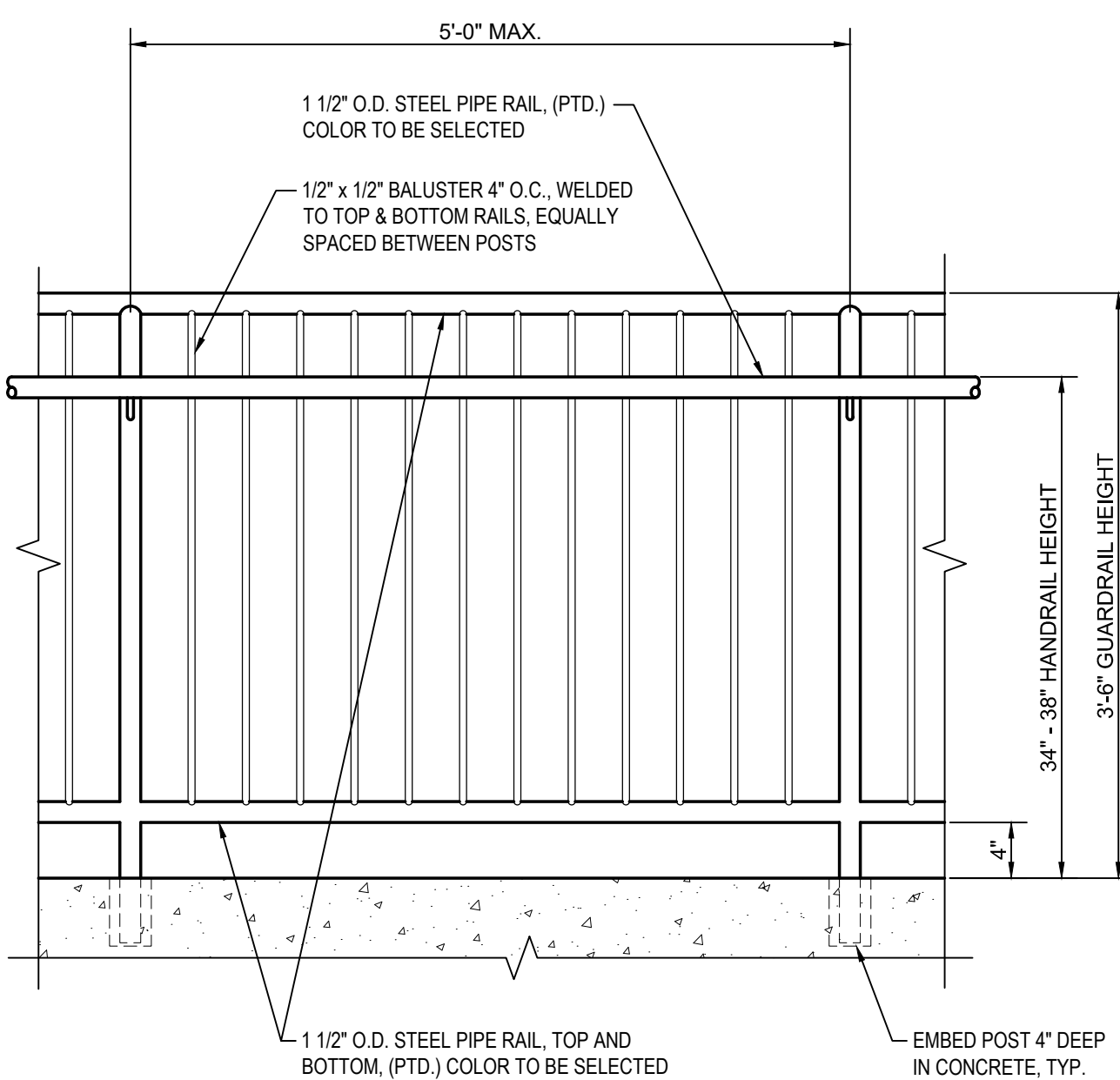
Interior Stair Plan

5
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1/4" = 1'-0"



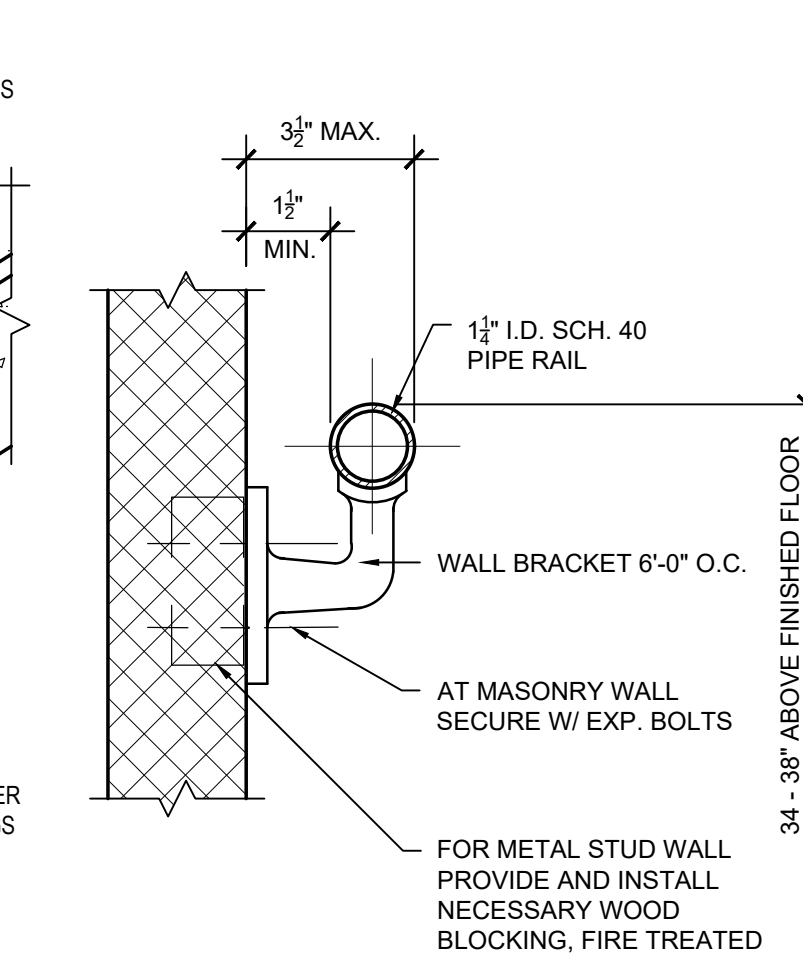
Stair Section

6
A4.03
1/4" = 1'-0"



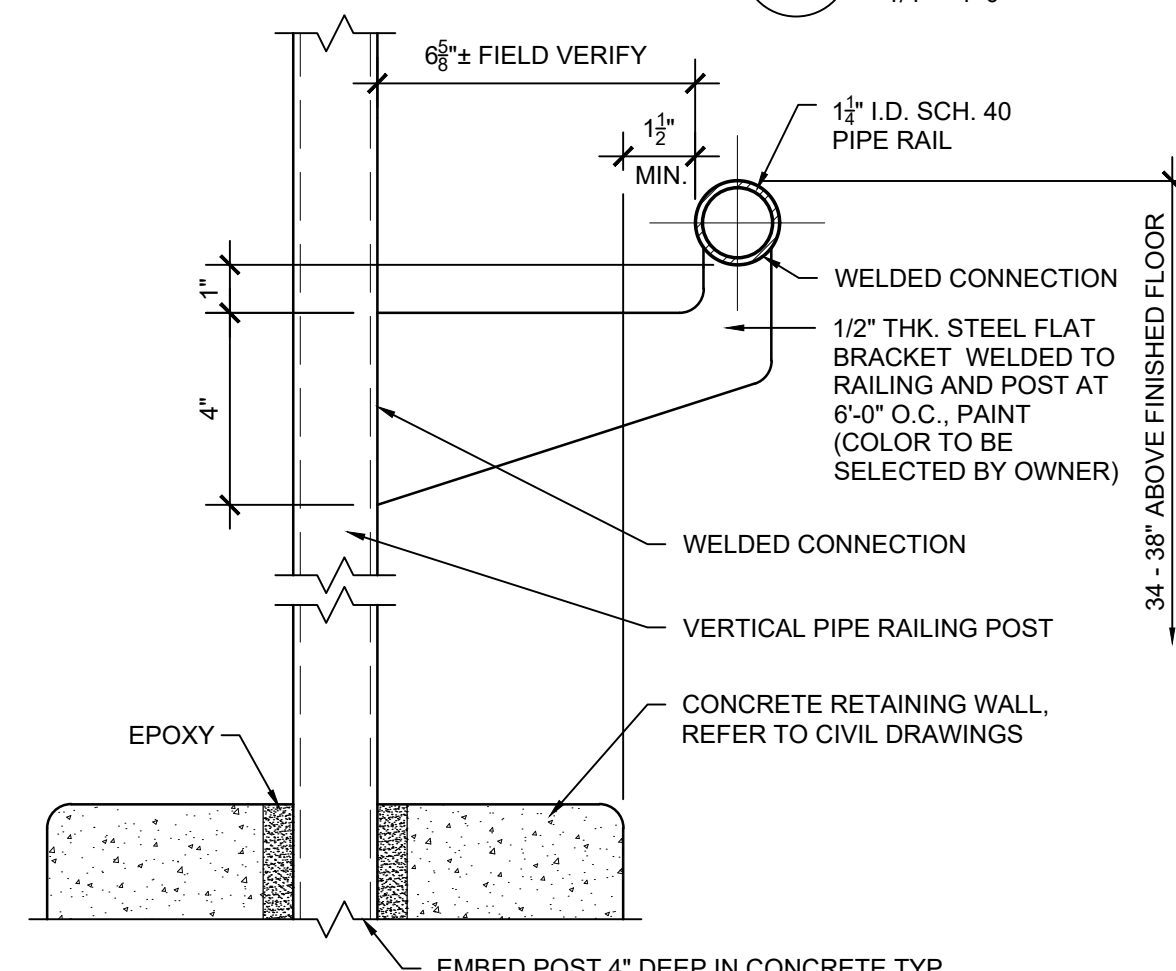
Typical Railing Detail

15
A4.03
1" = 1'-0"



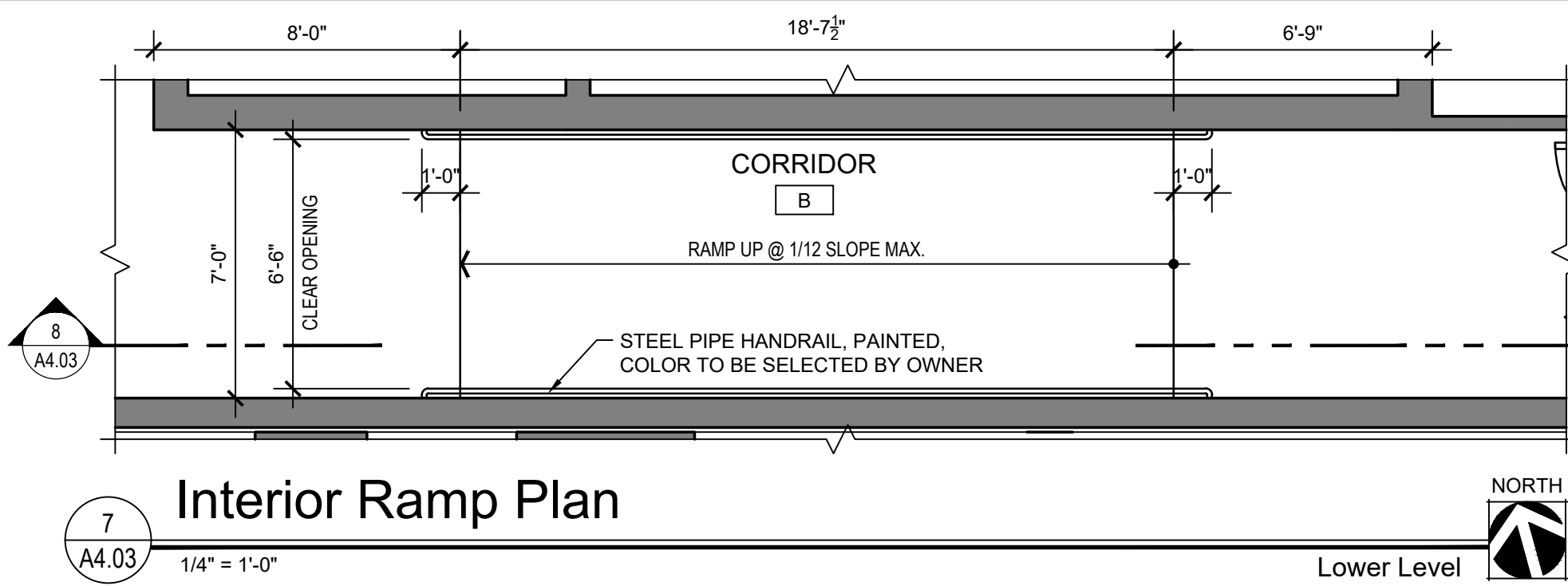
Pipe Railing at Wall

12
A4.03
3" = 1'-0"



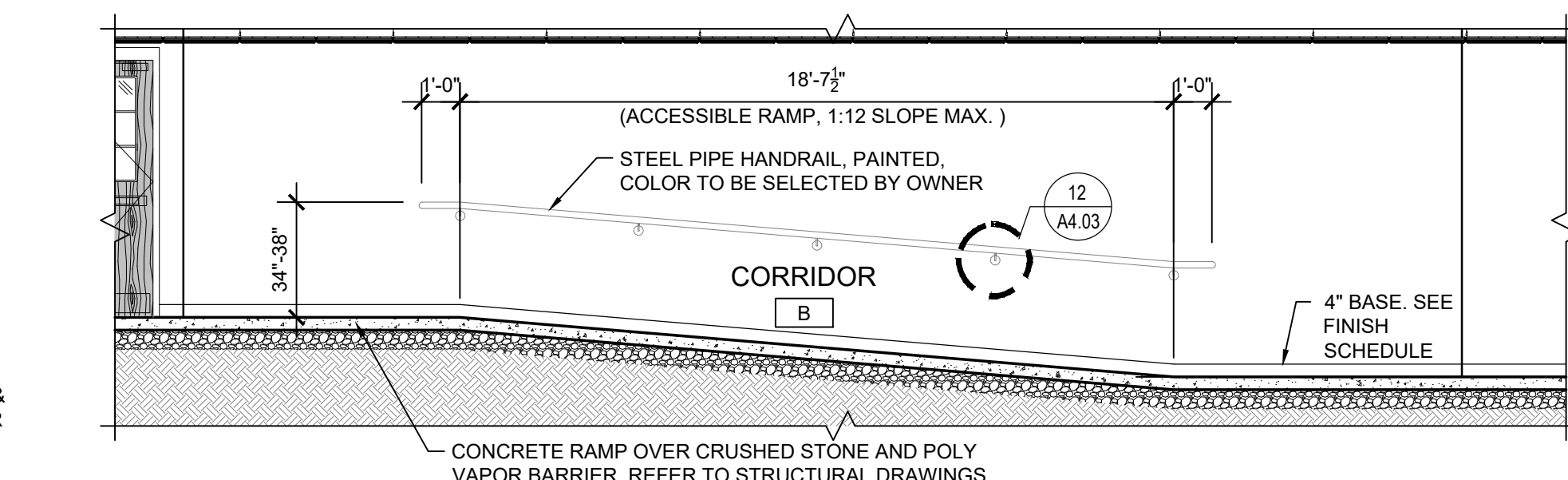
Handrail Bracket Extension

13
A4.03
3" = 1'-0"



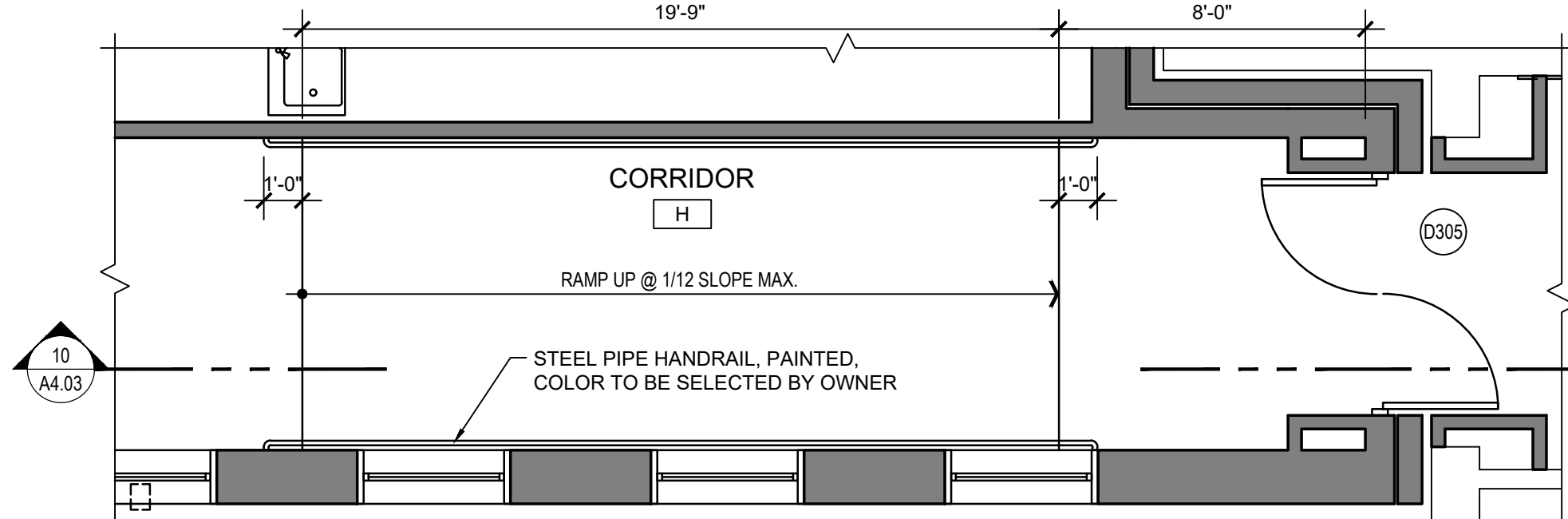
Interior Ramp Plan

7
A4.03
1/4" = 1'-0"



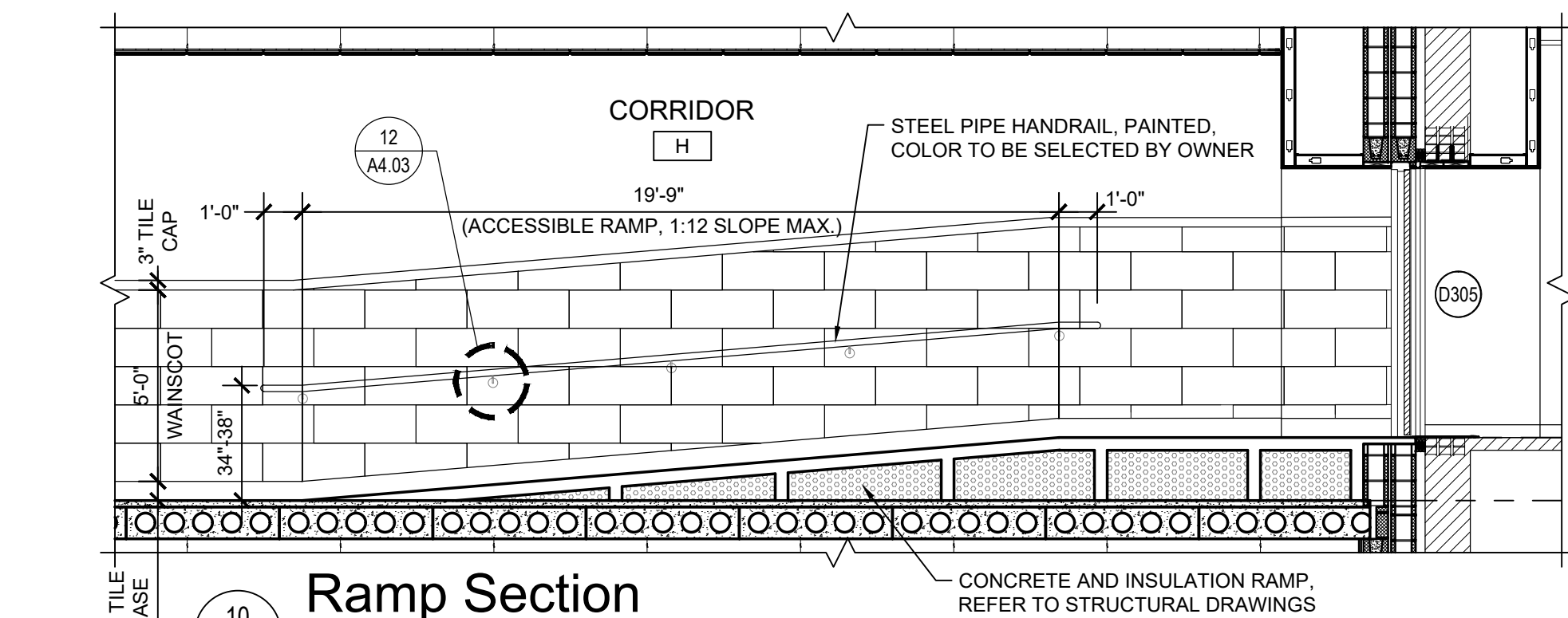
Ramp Section

8
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1/4" = 1'-0"



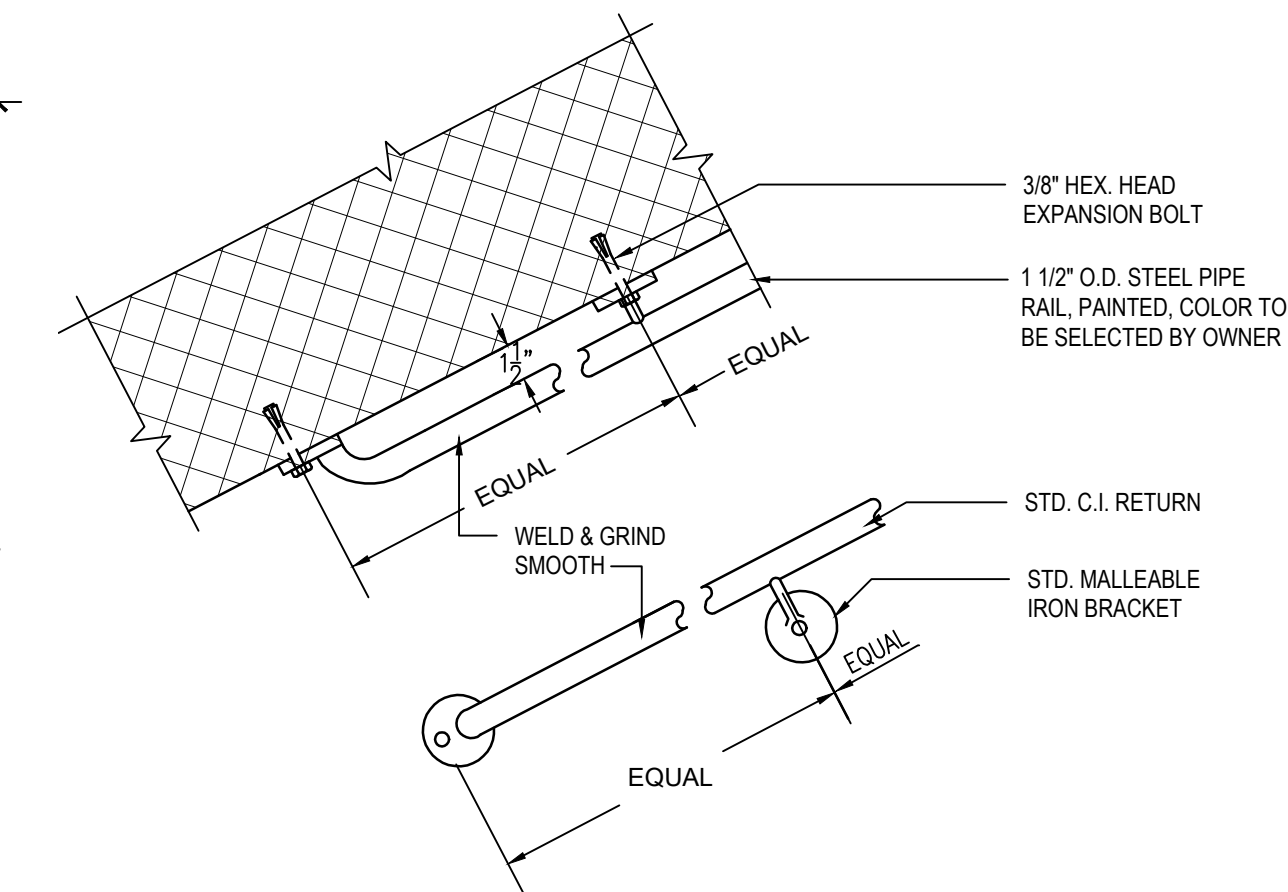
Interior Ramp Plan

9
A4.03
1/4" = 1'-0"



Ramp Section

10
A4.03
1/4" = 1'-0"

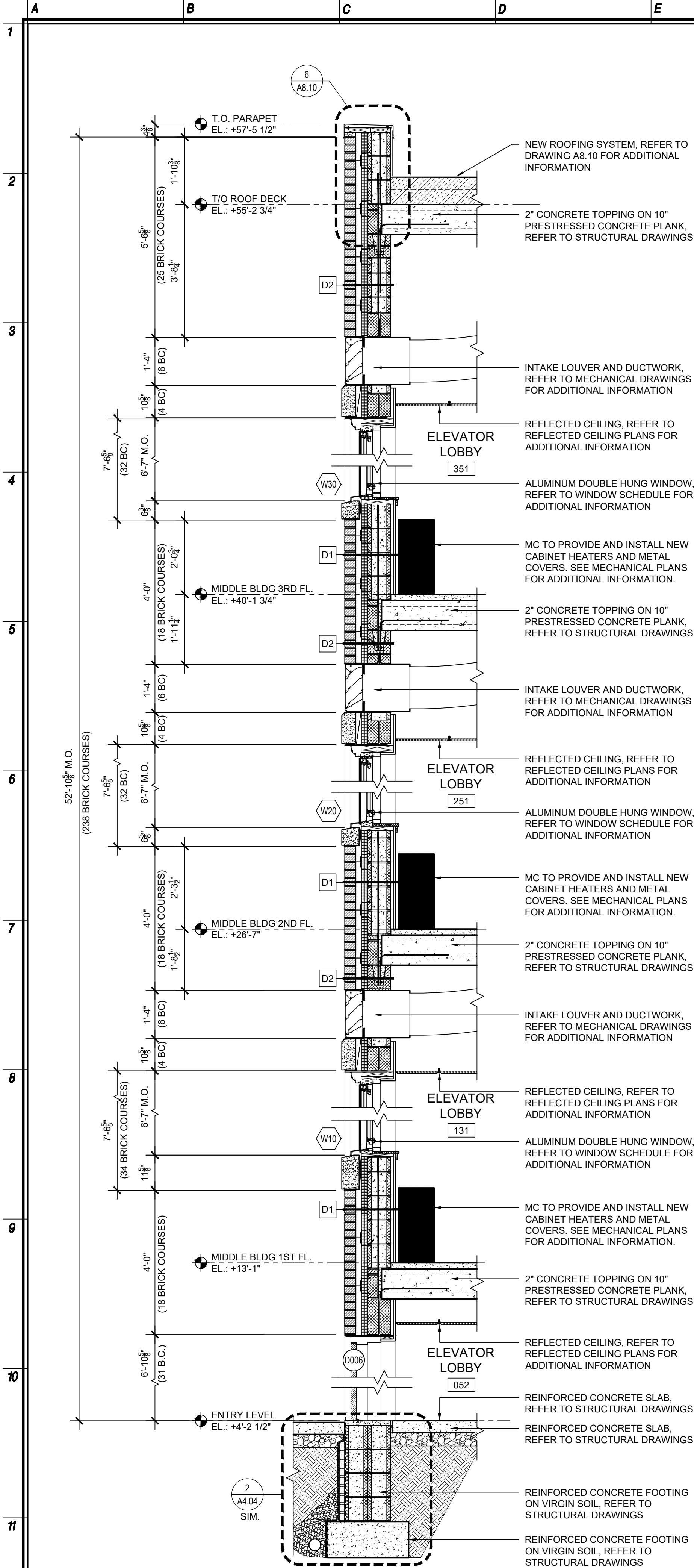


Detail of Pipe Handrail

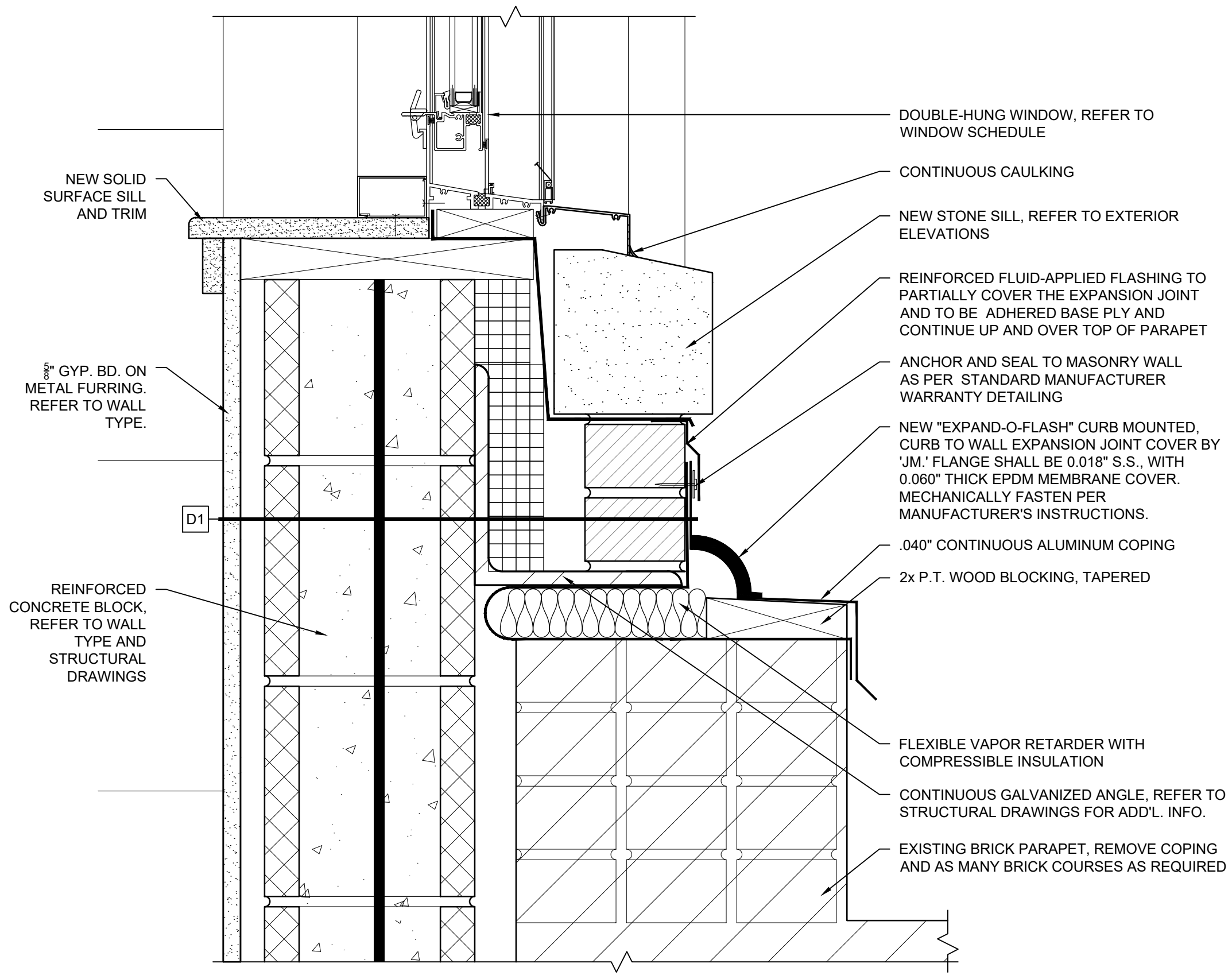
14
A4.03
1 1/2" = 1'-0"

Date	1/10/20
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STAIR/RAMP PLANS, SECTIONS & DETAILS 2019 BOND REFERENCE MAMARONECK AVENUE ELEMENTARY SCHOOL MAMARONECK UNION FREE SCHOOL DISTRICT 850 MAMARONECK AVENUE, MAMARONECK, NY 10543	
Job No. 4.1092.72.2 File No. 10927202A403	
A4.03	

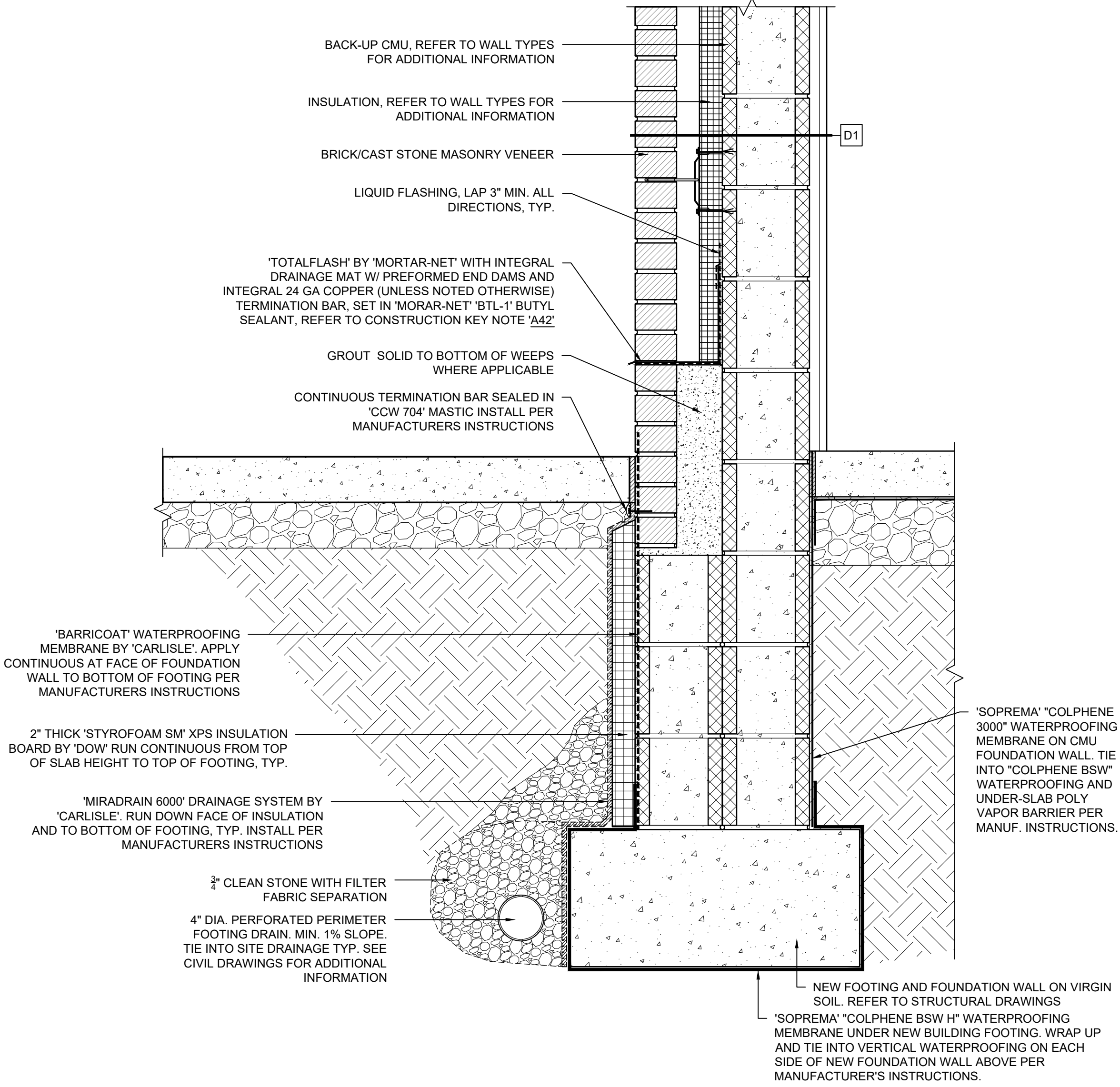
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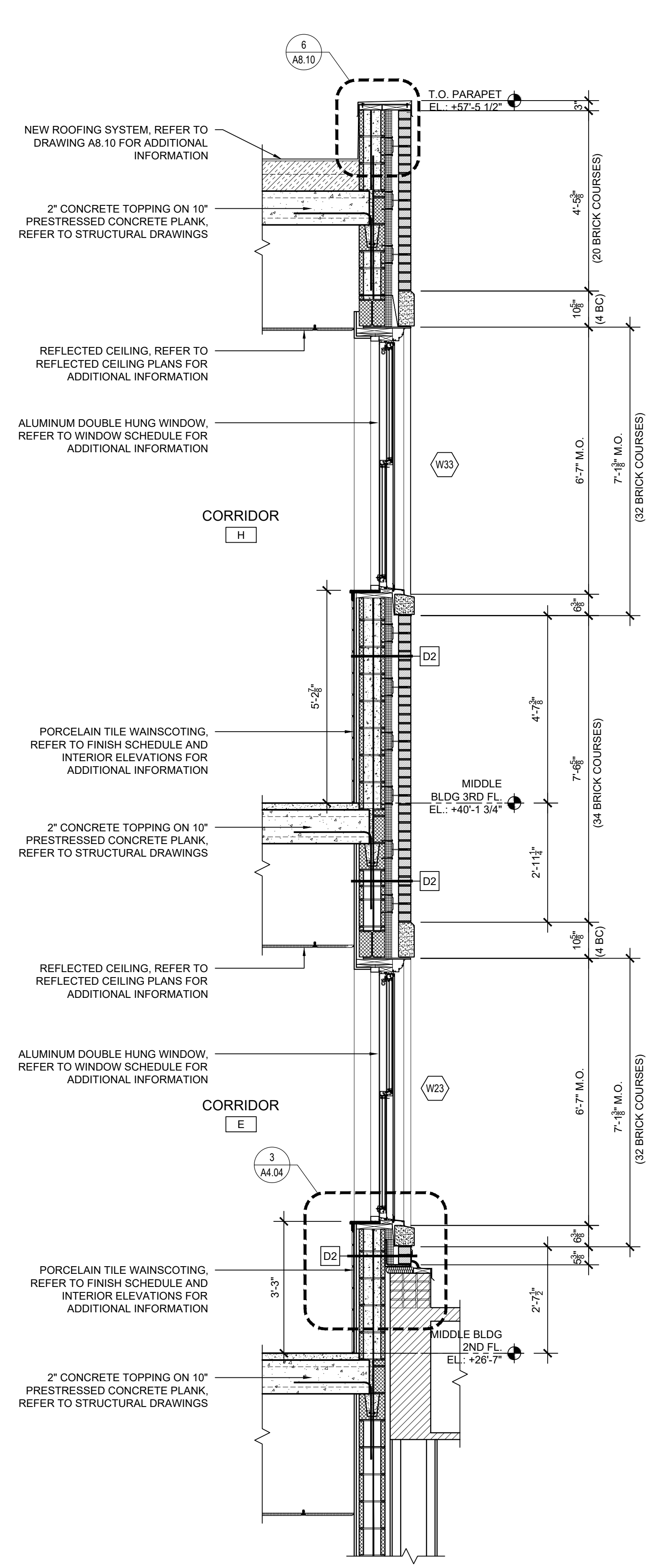
1 Wall Section
1/2" = 1'-0"



3 Expansion Joint Detail
3" = 1'-0"



2 Typical Foundation Detail
1 1/2" = 1'-0"



4 Wall Section
1/2" = 1'-0"

NYSED PROJECT # 66-07-01-03-0-004-030

WALL SECTIONS AND DETAILS

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL

MAMARONECK UNION FREE SCHOOL DISTRICT

850 MAMARONECK AVENUE, MAMARONECK, NY 10543

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A4.04

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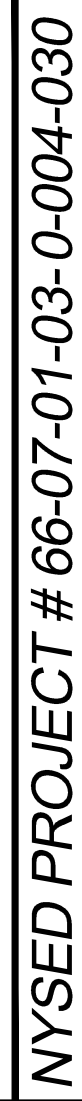
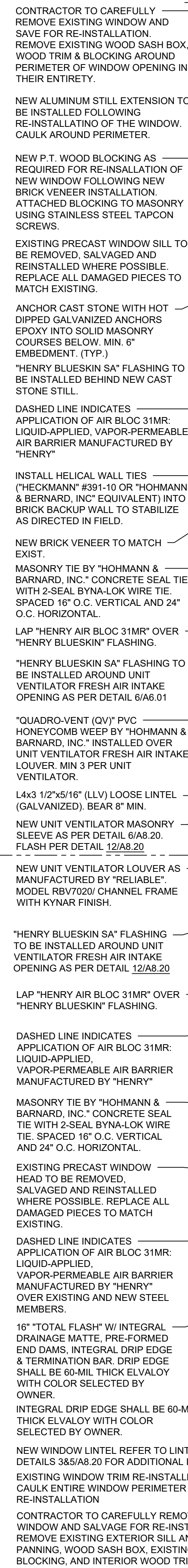
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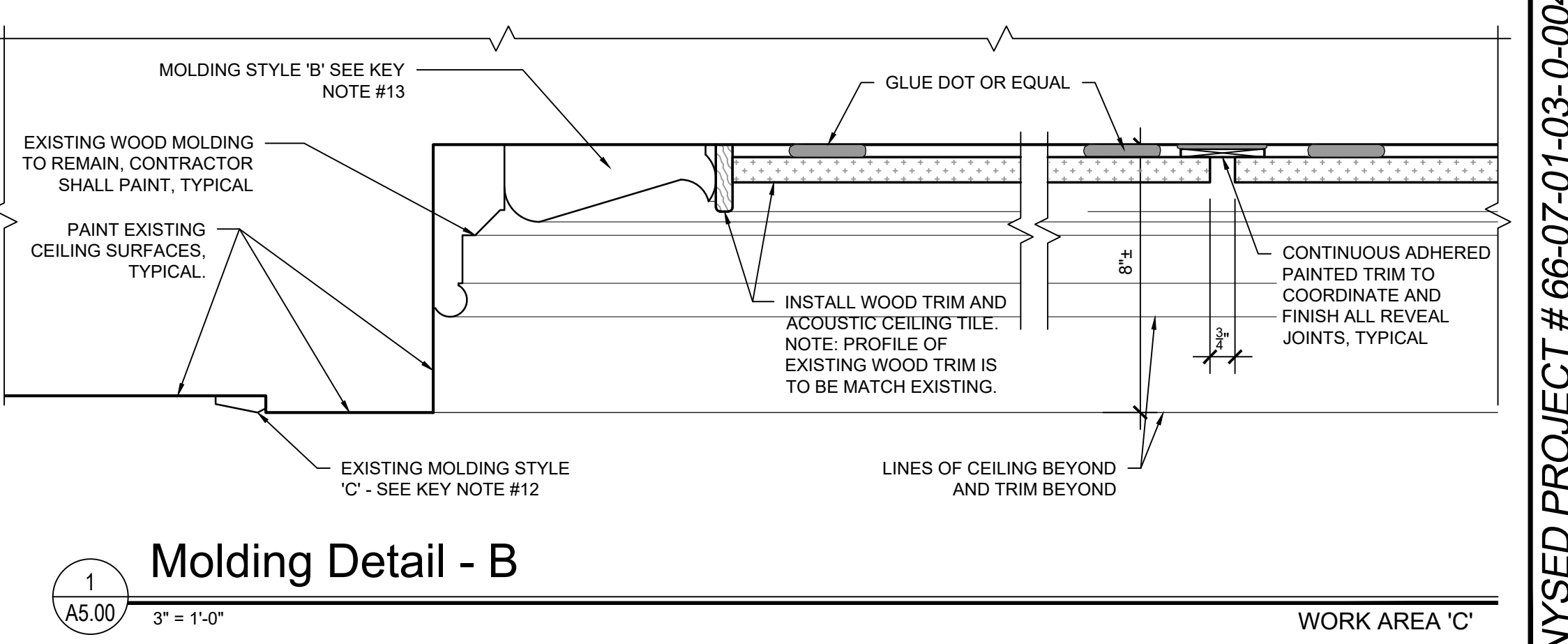
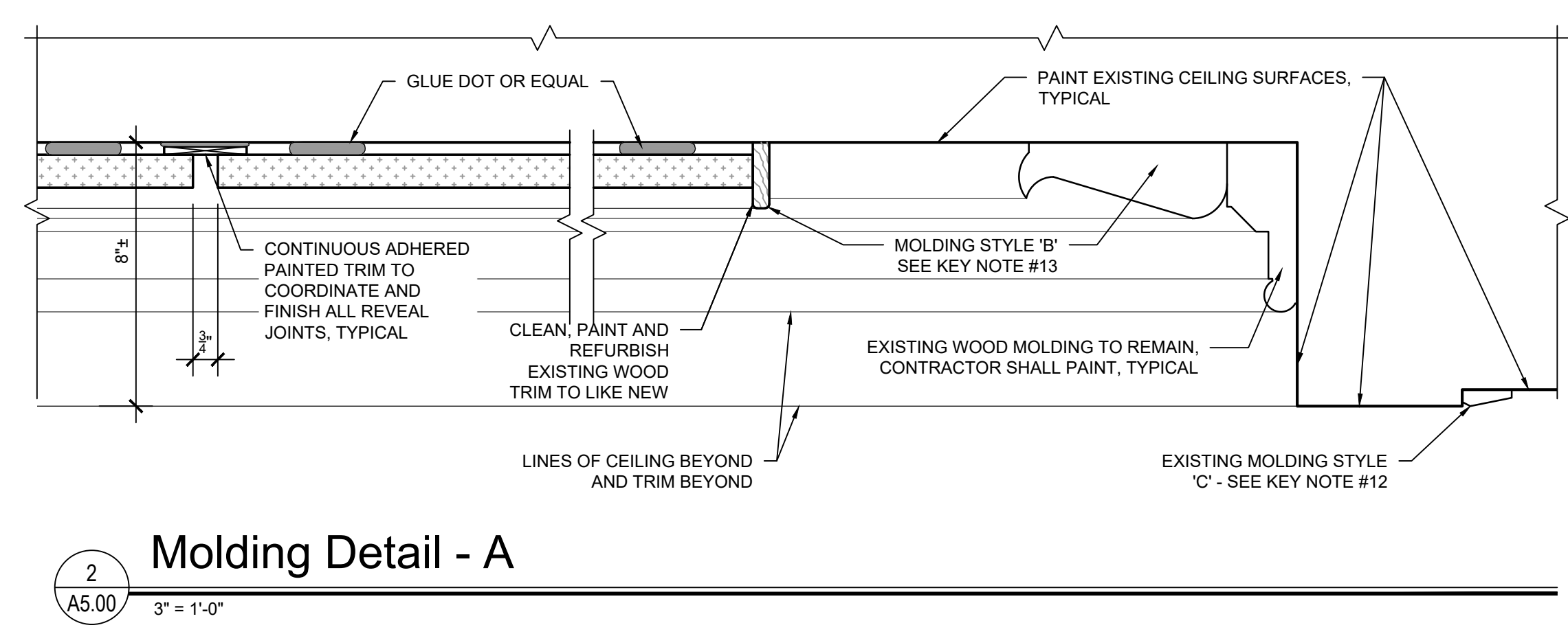
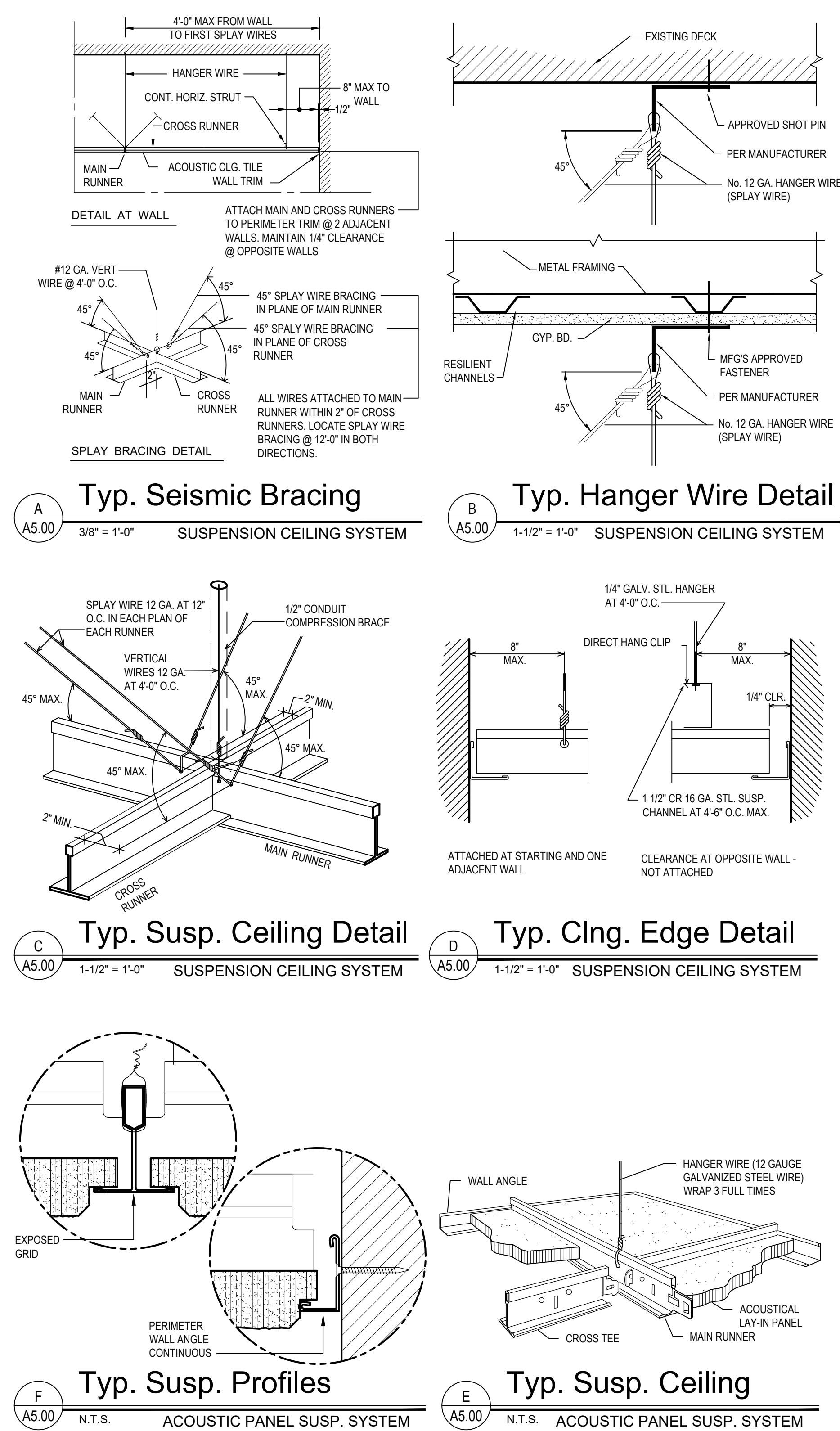


Ceiling Types		
MARK	DESCRIPTION	SYMBOL
CT-1	ARMSTRONG 2'x2'x $\frac{3}{8}$ " "ULTIMA" BEVELED REGULAR ACOUSTIC CEILING TILE W/ ARMSTRONG "SUPRAFINE" 9/16" EXPOSED TEE GRID	
CT-2	ARMSTRONG LYRA PB DIRECT APPLY SQUARE EDGED DIRECT ADHERED ACOUSTICAL CEILING SYSTEM. PATTERN AND LAYOUT AS SHOWN ON PLAN. V.I.F. ALL DIMENSIONS, CUT EDGES ARE TO BE FINISHED. PATTERN IS TO BE TRIMMED AND COORDINATED WITH A PAINTED WOOD MOLDING TO MATCH IN KIND THE EXISTING.	FIELD VARIES
CT-3	ARMSTRONG 2'x4" METAL WORKS ACOUSTICAL CEILING TILE SYSTEM. TILE PATTERN SHALL BE #56007 NAIL-UP OR EQUAL, WITH COORDINATING CORNICE STYLE #56055 NAIL-UP AND BORDER - FILL PANEL IN STYLE #6375 NAIL-UP GRID PATTERN AND LAYOUT AS SHOWN ON PLAN	
CT-4	PAINT EXISTING PLASTER CEILING TO REMAIN, PATCH AND REPAIR AS REQUIRED.	
CT-5	"ARMSTRONG" 2'x4'x1" "CALLA" REGULAR ACOUSTIC CEILING TILE WITH "SUPRAFINE" $\frac{9}{16}$ " EXPOSED TEE GRID. OFFSET GRID PATTERN AS SHOWN ON PLAN, TYP.	(COLOR 1) (COLOR 2) (COLOR 3)
CT-6	"ARMSTRONG" 2'x2'x1" "CALLA" REGULAR ACOUSTIC CEILING TILE WITH "SUPRAFINE" $\frac{9}{16}$ " EXPOSED TEE GRID. TILE COLORS TO BE WHITE, GRID AND TRIM COLOR: "WHITE"	
CT-7	PAINT EXISTING GYPSUM BOARD CEILING TO REMAIN, PATCH AND REPAIR AS REQUIRED.	
OTA	OPEN TO ABOVE, PAINT ALL EXPOSED CEILING STRUCTURE, TYP.	
ETR	EXISTING CEILING TO REMAIN	

- Typical Ceiling Notes**
- PENETRATIONS THROUGH CEILINGS ARE TO BE PROTECTED PER RATED DESCRIPTIONS, REFER TO FIRE RESISTANT RATED ASSEMBLIES, WALL AND CEILING TYPES.
 - ALL ACCESS PANELS, HATCHES/LADDERS, GYPSUM BOARD SOFFITS, BULKHEAD, HVAC GRILLES AND REGISTERS, SHALL BE PAINTED TO MATCH CEILING FINISHES.
 - SUSPENDED ACOUSTIC TILE CEILINGS SHALL BE CENTERED IN SPACE IN BOTH DIRECTIONS TO MINIMIZE WASTE AS REQUIRED, UNLESS OTHERWISE INDICATED, FIELD VERIFY.
 - ALL AREAS NOT GRIDDED AS CEILING TILE SHALL BE OPEN TO ABOVE UNLESS OTHERWISE NOTED.
 - TENT ALL LIGHT FIXTURES IN RATED FLOOR/CEILING, ROOF/CEILING ASSEMBLIES AS REQUIRED. REFER TO FIRE RESISTANT RATED ASSEMBLIES DRAWING FOR ADDITIONAL INFORMATION.
 - ALL CONTRACTORS (I.E. MECHANICAL, ELECTRICAL, PLUMBING) ARE REQUIRED TO COORDINATE THEIR WORK WITH INDIVIDUAL CEILING FINISHES. ALL DISTURBED AREAS RESULTING FROM CONTRACTORS OPERATIONS SHALL BE PATCHED AND DAMAGED AREAS AS A RESULT OF CONTRACTORS OPERATIONS SHALL BE PATCHED AND REPAIRED TO MATCH.
 - FIELD VERIFY ALL DIMENSIONS AND CLEARANCES. COORDINATE INSTALLATION OF LIGHTING, EQUIPMENT, MECHANICAL DUCTWORK, ETC. TO ENSURE PROPER INSTALLATION.
 - ALL COLORS AND PATTERNS TO BE SELECTED BY OWNER, TYPICAL.
 - CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING PERIMETER MOLDINGS, FASTENERS, SUPPORT WIRES, TRIM, ETC. FOR A COMPLETE INSTALLATION.
 - ALL LIGHTING FIXTURES SHOWN ON REFLECTED CEILING PLAN ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY, REFER TO ELECTRICAL LIGHTING PLAN FOR ACTUAL LOCATIONS.
 - AT LOCATIONS WHERE NEW CEILING ADJOINS, ABUTS, OR EXTENDS AN EXISTING CEILING, NEW CEILING GRID SHALL MATCH THAT OF EXISTING.

Symbol Legend	
SYMBOL	DESCRIPTION
	0'-0" DATUM: FINISH CEILING HEIGHT ABOVE FINISH FLOOR
	CEILING TYPE (REFER TO CEILING TYPES SCHEDULE)
	LIGHTING FIXTURES - REFER TO ELECTRICAL PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS.
	CEILING MOUNTED EQUIPMENT - REFER TO ELECTRICAL PLANS FOR EXACT FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS.
	MECHANICAL DIFFUSERS - REFER TO MECHANICAL PLANS FOR EXACT CEILING DIFFUSER LOCATIONS. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LIGHT FIXTURE LOCATIONS.
	SPRINKLER HEADS AND PIPING - REFER TO FIRE PREVENTION DRAWINGS

- RCP Key Notes**
- # SYMBOL INDICATES RCP KEY NOTE
- EXISTING ALL WALLS WITHIN THE MULTI PURPOSE MAIN SPACE, THE PROSCENIUM RETURNS AND THE WALLS UNDER THE BALCONY ARE TO BE PAINTED. PAINTING SHALL INCLUDE A TWO COLOR SYSTEM.
 - TYPICAL EXISTING SMOKE DETECTOR / FIRE DEVICE, V.I.F.
 - EXISTING PENDANT MOUNTED LIGHT AND DECORATIVE ROUND MOLDING, TYPICAL. LIGHT FIXTURE IS TO BE CLEANED AND INSPECTED. DECORATIVE ROUND MOLDING IS TO BE CLEANED, RESTORED TO LIKE NEW AND PAINTED
 - EXISTING PENDANT MOUNTED LIGHT BAR AND LIGHTS FOR STAGE LIGHTING SYSTEM, V.I.F.
 - EXISTING MECHANICAL LOUVER, V.I.F. ALL LOCATIONS AND COORDINATE TILE LAYOUT AS SHOWN
 - EXISTING TO REMAIN EXIT DEVICE, EMERGENCY LIGHT OR MISCELLANEOUS EMERGENCY COMMUNICATION DEVICE EXISTING SURFACE MOUNTED LIGHT TO REMAIN - COORDINATE CEILING WORK
 - ALL CEILING SURFACES ARE TO BE PAINTED - CONTRACTOR TO INCLUDE A THREE COLOR SYSTEM - PLASTER MOLDING B, FILED 1 AND FIELD 2, LAYOUT TO BE DETERMINED IN THE FIELD
 - CEILING FIELD #2
 - CEILING FIELD #3
 - CEILING FIELD #1
 - EXISTING PLASTER MOLDING - STYLE 'C' TO REMAIN, STRIP PAINT FROM MOLDING PROFILES, CLEAN AND RESTORE PROFILE TO LIKE NEW CONDITION, TYPICAL
 - COMBINED EXISTING PLASTER MOLDING AND ADJACENT WOOD MOLDING - STYLE 'B' TO REMAIN, CONTRACTOR SHALL REPAIR TO LIKE NEW CONDITION AND PAINT, TYPICAL
 - EXISTING PLASTER CHANDLER MOLDING - STYLE 'D', TYPICAL OF 6 - PAINTED TO MATCH MOLDING STYLE 'B'
 - SCHEDULED CEILING PANELS ARE TO BE BUTTED TIGHT UP AGAINST THE EXISTING MOLDING - COORDINATE LAYOUT WITH EXISTING VENTS, TILES ARE TO BE DIRECT ADHERED IN PLACE, CONFIRM AND COORDINATE IN WRITING WITH THE TILE MFR FOR PROPER INSTALLATION METHOD
 - EXISTING SPRINKLER PIPE, SPRINKLER HEAD AND/OR HANGERS TO REMAIN - COORDINATE WITH SCHEDULED WORK - NOTE HANGERS NEED TO BE COORDINATED WITH CEILING WORK, V.I.F. ALL LOCATIONS
 - EXISTING LIGHT FIXTURE MODIFY LOCATION AS NECESSARY TO ACCOMMODATE SCHEDULED WORK, TYPICAL FOR ALL CEILING MOUNTED LIGHTS
 - EXISTING LOW VOLTAGE WIRE MOLD LAYOUT AND ROUTING TO BE REVIEWED IN FIELD FOR POSSIBLE CONSOLIDATION - NOTE WIRES ARE TO BE REROUTED AS PART OF THE SCHEDULED CEILING WORK, TYPICAL
 - TYPICAL VERTICAL SPRINKLER PIPE OR SIMILAR - COORDINATE CEILING AND COVE MOLDING AS REQUIRED
 - BORDER AREA BETWEEN CEILING TILE FIELD AND CROWN MOLDING - NOTE BORDER AND CEILING FIELD ARE TO BE EQUALLY CENTERED, ALL MOLDING IS TO MITERED AND JOINTS ARE TO SMOOTH, TYPICAL, HATCH INDICATES TYPICAL METAL CROWN MOLDING SYSTEM AS PART OF THE COMPLETE CEILING SYSTEM, ALL CROWN MOLDING IS TO MITERED AND JOINTS ARE TO SMOOTH, TYPICAL
 - EXISTING SOFFIT CONCEALING A MECHANICAL UNIT TO REMAIN
 - COORDINATE DETAIL OF BORDER TRIM WITH EXISTING STEEL FRAMING, BALUSTRADE POSTS AND UNDERSIDE OF BALCONY IN THE FIELD ALL EXPOSED METAL EDGES OF THE METAL CEILING SYSTEM ARE TO BE HEMMED CONCEALED, TYPICAL



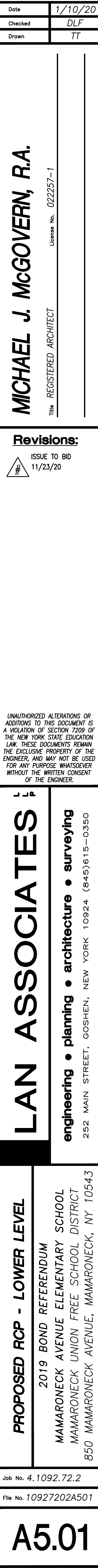
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THE REGISTERED ARCHITECT

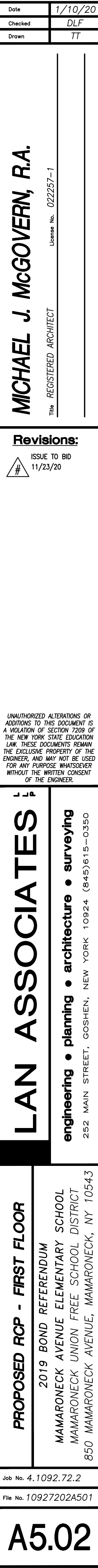
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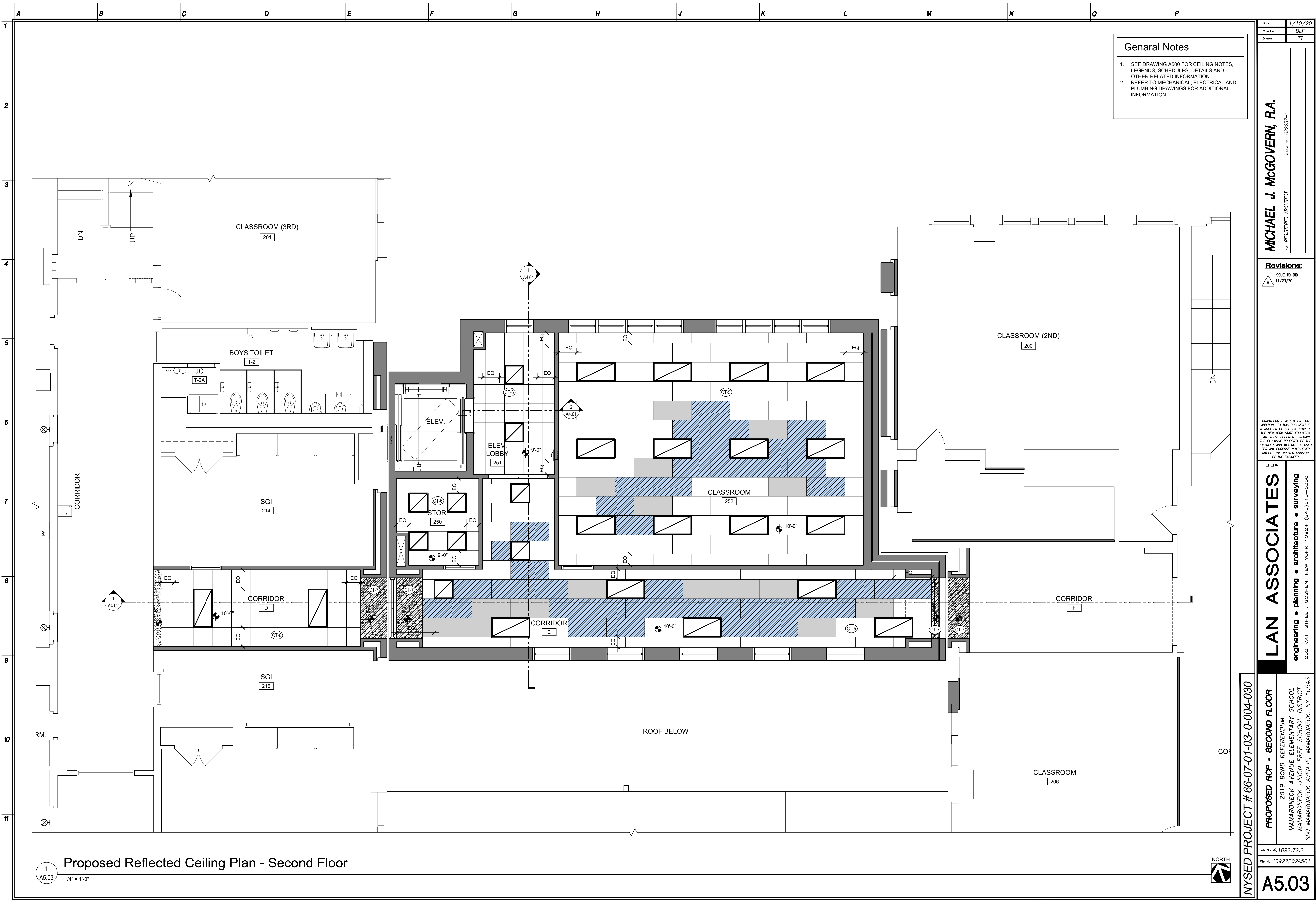
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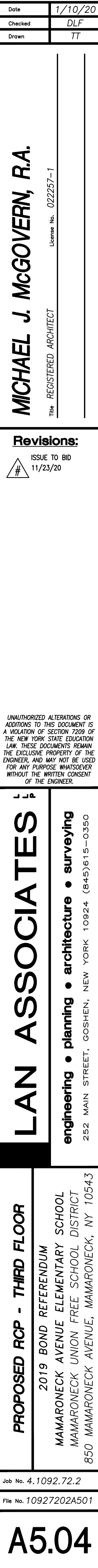
CEILING DETAILS AND SCHEDULES
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543
Job No. 4.1092.72.2
File No. 1092702A500
A5.00

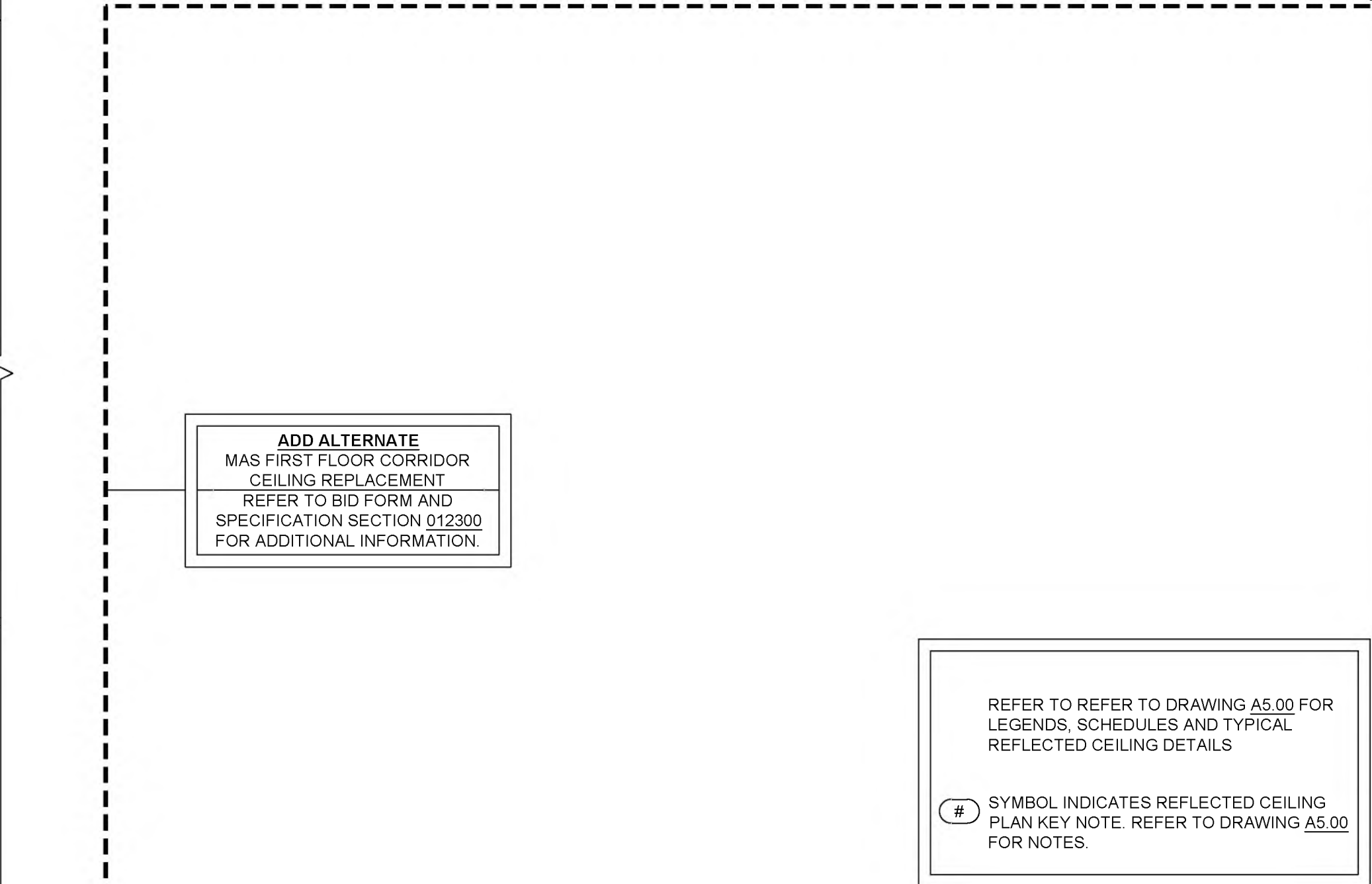
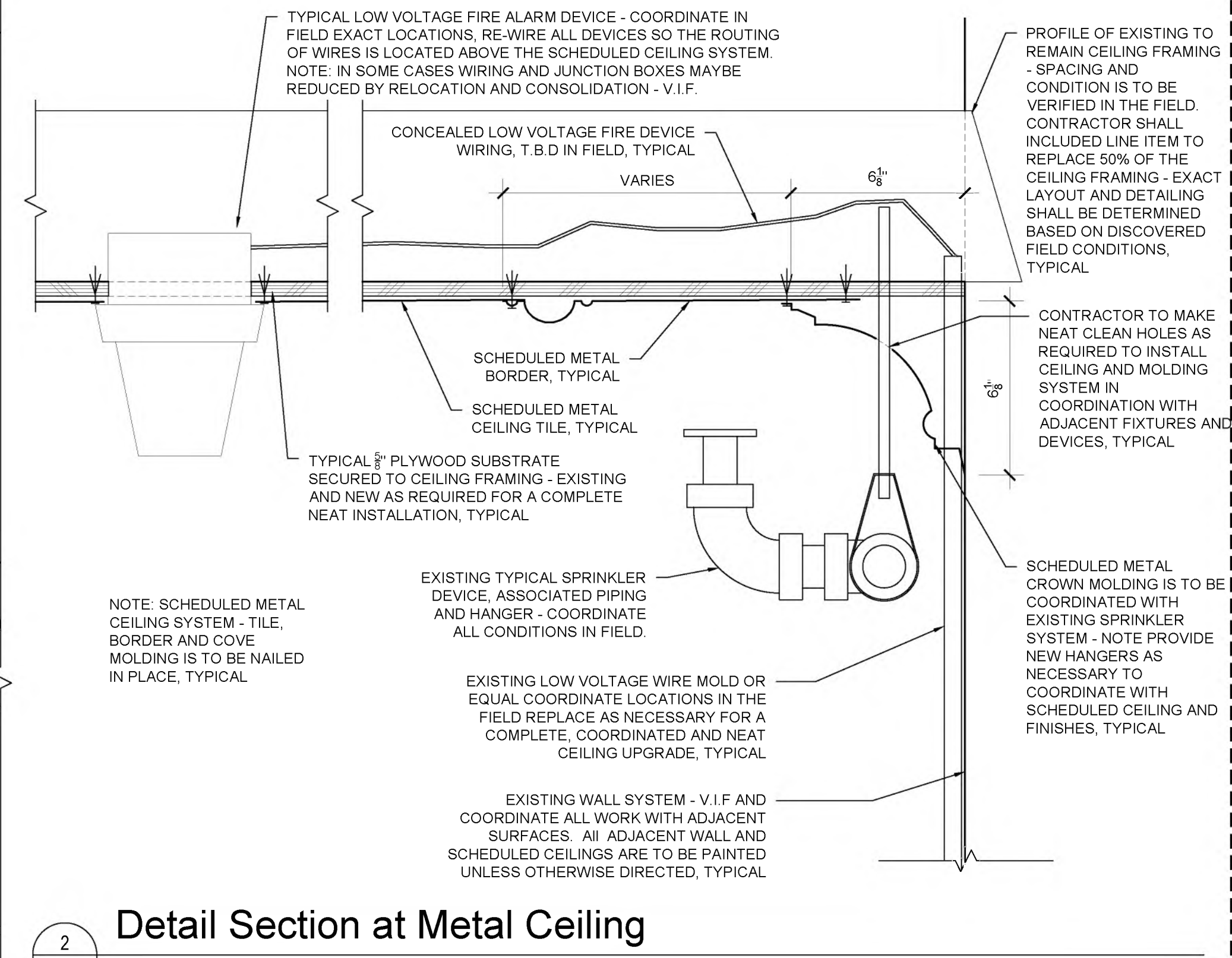
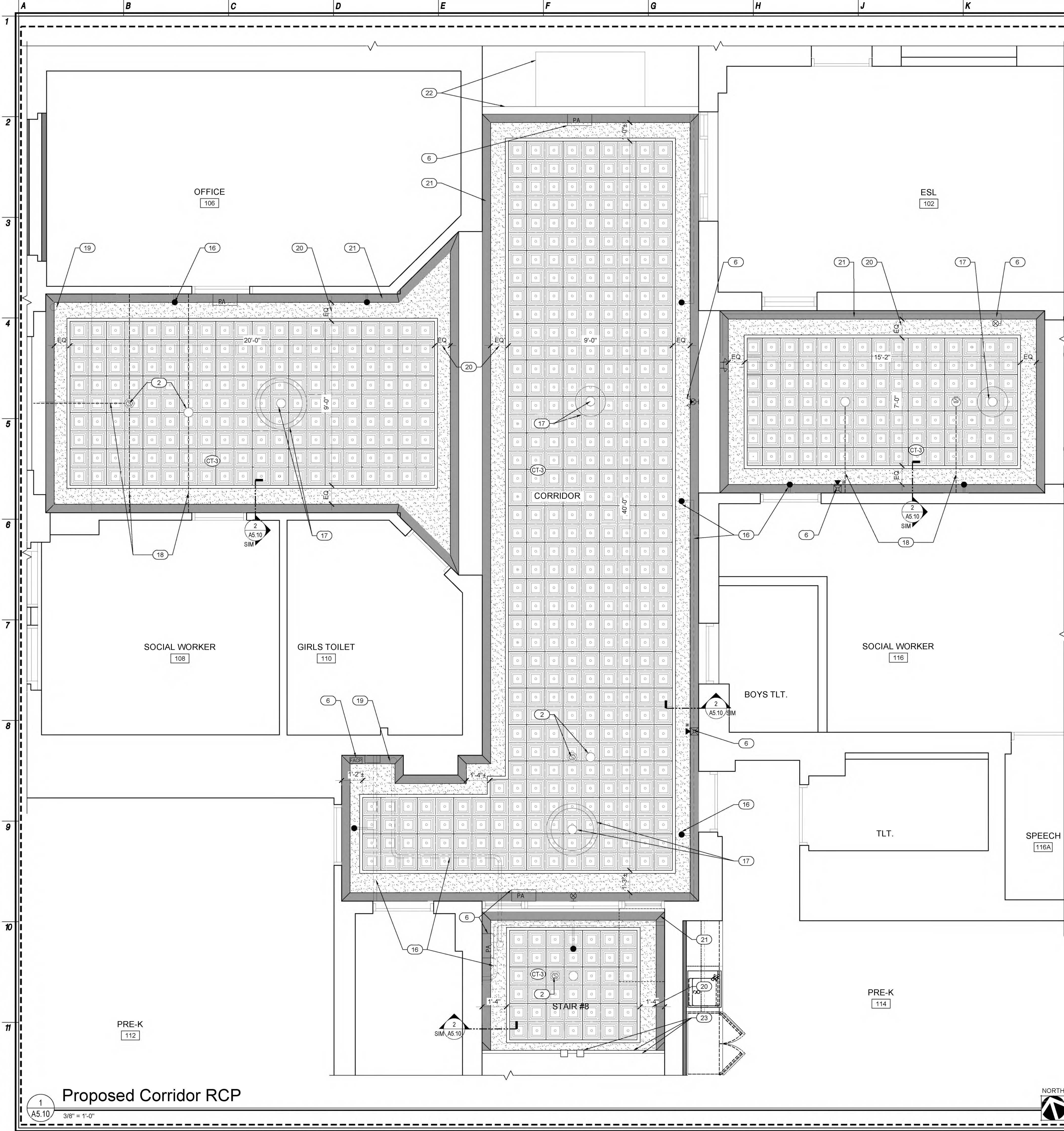
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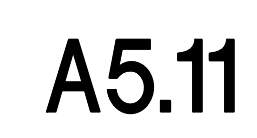








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MICHAEL J. MCGOVERN, R.A. The REGISTERED ARCHITECT License No. 022237-1	
Revisions: # ISSUE TO BID 11/23/20	
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NYS ED PROJECT # 66-07-01-03-0-004-030	
PROPOSED CORRIDOR RCP 2019 BOND REFERENDUM MAMARONECK AVENUE ELEMENTARY SCHOOL MAMARONECK UNION FREE SCHOOL DISTRICT 850 MAMARONECK AVENUE, MAMARONECK, NY 10543	
Job No.	4.1092.72.2
File No.	10927202A510
A5.10	



			B				C				D				E				F				G				H
DOOR SCHEDULE																											
DOOR NO.	DOOR TYPE	ROOM NAME/ NUMBER	DOOR								FRAME			SILL	HARDWARE (SEE SPECIFICATIONS)				NOTES								
			ACTION	MATERIAL	FIRE RATING	DOOR FINISH	MASONRY OPENING		DOOR SIZE		VISION PANEL	DETAIL NO.			DETAIL NO.	HARDWARE SET	CLOSER	PANIC		SECURITY PACKAGE							
							WIDTH	HEIGHT	WIDTH	HEIGHT		MAT.	HEAD	JAMB													
LOWER LEVEL																											
D001	G	CORRIDOR 'A'	DOUBLE SWING	METAL	45	PRIME/PAINT	-	-	6'-0"	6'-8"	-	MTL.	1/A6.02	2/A6.02	3/A6.02	01	●	-									
D002	H	CORRIDOR 'A'	SINGLE SWING	METAL	45	PRIME/PAINT	-	-	3'-6"	6'-8"	-	MTL.	1/A6.02	2/A6.02	3/A6.02	02	●	-									
D003	B	INST. STOR. 050	SINGLE SWING	WOOD	60	STAIN/POLY	-	-	3'-0"	6'-8"	-	MTL.	1/A6.02	2/A6.02	3/A6.02	03	●	-									
D004	K	CORRIDOR 'A'	BI-SWING	WOOD	90	STAIN/POLY	-	-	6'-0"	6'-8"	-	MTL.	1/A6.02	2/A6.02	3/A6.02	04	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		
D005	E	BAND ROOM 023	SINGLE SWING	WOOD	60	STAIN/POLY	-	-	3'-0"	6'-8"	●	MTL.	5/A6.02	6/A6.02	7/A6.02	05	●	-							FIRE RATED VISION PANEL: D-H-T-W-60		
D006	C	ELEVATOR LOBBY 052	DOUBLE SWING	ALUM./ FRP	-	PRIME/PAINT	-	-	6'-0"	6'-8"	●	ALUM.	9/A6.02	10/A6.02	11/A6.02	06	●	●									
D007	C	OUTDOOR STOR. 054	DOUBLE SWING	ALUM./ FRP	90	PRIME/PAINT	-	-	6'-0"	6'-8"	●	ALUM.	9/A6.02	10/A6.02	11/A6.02	07	●	-							GLAZING SHALL BE TINTED TO 5% LIGHT TRANSMITTANCE		
D008	G	RECEIVING STOR. 053	DOUBLE SWING	METAL	60	PRIME/PAINT	-	-	6'-0"	6'-8"	-	MTL.	14/A6.02	15/A6.02	19/A6.02	08	●	-									
D009	J	STORAGE 051	SINGLE SWING	METAL	60	PRIME/PAINT	-	-	3'-0"	6'-8"	-	MTL.	1/A6.02	2/A6.02	3/A6.02	03	●	-									
D010	K	CORRIDOR 'B'	BI-SWING	WOOD	180	STAIN/POLY	-	-	6'-0"	6'-8"	-	MTL.	1/A6.03	2/A6.03	3/A6.03	15	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		
D011	K	CORRIDOR 'C'	BI-SWING	WOOD	90	STAIN/POLY	-	-	6'-0"	6'-8"	-	MTL.	7/A6.03	8/A6.03	9/A6.03	04	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		
D012	J	CORRIDOR 'A'	SINGLE SWING	METAL	90	PRIME/PAINT	-	-	3'-0"	6'-8"	-	MTL.	16/A6.02	17/A6.02	3/A6.02	14	●	-									
D013	J	RECEIVING/ STORAGE 053	SINGLE SWING	METAL	-	PRIME/PAINT	-	-	3'-0"	6'-8"	-	MTL.	12/A6.02	13/A6.02	8/A6.02	17	●	-									
FIRST FLOOR																											
D100	D	SGI 130	SINGLE SWING	WOOD	90	STAIN/POLY	-	-	3'-0"	7'-0"	●	MTL.	16/A6.02	17/A6.02	4/A6.02	09	●	-							FIRE RATED VISION PANEL: D-H-W-90		
D101	F	ELEVATOR LOBBY 131	DOUBLE SWING	WOOD	90	STAIN/POLY	-	-	6'-0"	7'-0"	-	MTL.	16/A6.02	17/A6.02	4/A6.02	10	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		
D102	D	CLASSROOM 132	SINGLE SWING	WOOD	90	STAIN/POLY	-	-	3'-0"	7'-0"	●	MTL.	11/A6.03	12/A6.03	13/A6.03	11	●	-							FIRE RATED VISION PANEL: D-H-W-90		
D103	D	CLASSROOM 132	SINGLE SWING	WOOD	90	STAIN/POLY	-	-	3'-0"	7'-0"	●	MTL.	11/A6.03	12/A6.03	13/A6.03	11	●	-							FIRE RATED VISION PANEL: D-H-W-90		
D104	A	MECH.	SINGLE SWING	METAL	-	PRIME/PAINT	3'-4" F.V.	7'-2" F.V.	3'-0" F.V.	7'-0" F.V.	-	MTL.	4/A6.03	5/A6.03	-	16	-	-									
SECOND FLOOR																											
D200	D	SGI 214	SINGLE SWING	WOOD	20	STAIN/POLY	-	-	3'-0"	7'-0"	●	MTL.	1/A6.02	2/A6.02	4/A6.02	11	●	-									
D201	F	CORRIDOR 'D'	BI-SWING	WOOD	90	STAIN/POLY	-	-	6'-0"	7'-0"	-	MTL.	11/A6.03 SIM.	12/A6.03 SIM.	18/A6.02	12	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		
D202	B	STORAGE	SINGLE SWING	WOOD	20	STAIN/POLY	-	-	3'-0"	7'-0"	-	MTL.	1/A6.02	2/A6.02	4/A6.02	03	●	-									
D203	F	ELEVATOR LOBBY 251	DOUBLE SWING	WOOD	90	STAIN/POLY	-	-	6'-0"	7'-0"	-	MTL.	1/A6.02	2/A6.02	4/A6.02	10	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		
D204	D	CLASSROOM 252	SINGLE SWING	WOOD	20	STAIN/POLY	-	-	3'-0"	7'-0"	●	MTL.	1/A6.02	2/A6.02	4/A6.02	09	●	-							FIRE RATED VISION PANEL: D-20		
D205	F	CORRIDOR 'E'	DOUBLE SWING	WOOD	180	STAIN/POLY	-	-	6'-0"	7'-0"	-	MTL.	1/A6.03 SIM.	2/A6.03 SIM.	18/A6.02	13	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		
THIRD FLOOR																											
D300	D	SGI 314	SINGLE SWING	WOOD	20	STAIN/POLY	-	-	3'-0"	7'-0"	●	MTL.	1/A6.02	2/A6.02	4/A6.02	11	●	-							FIRE RATED VISION PANEL: D-20		
D301	F	CORRIDOR 'H'	BI-SWING	WOOD	90	STAIN/POLY	-	-	6'-0"	7'-0"	-	MTL.	11/A6.03 SIM.	12/A6.03 SIM.	18/A6.02	12	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		
D302	B	STORAGE	SINGLE SWING	WOOD	20	STAIN/POLY	-	-	3'-0"	7'-0"	-	MTL.	1/A6.02	2/A6.02	4/A6.02	03	●	-									
D303	F	ELEVATOR LOBBY 351	DOUBLE SWING	WOOD	90	STAIN/POLY	-	-	6'-0"	7'-0"	-	MTL.	1/A6.02	2/A6.02	4/A6.02	10	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		
D304	D	CLASSROOM 352	SINGLE SWING	WOOD	20	STAIN/POLY	-	-	3'-0"	7'-0"	●	MTL.	1/A6.02	2/A6.02	4/A6.02	09	●	-							FIRE RATED VISION PANEL: D-20		
D305	F	CORRIDOR 'H'	BI-SWING	WOOD	180	STAIN/POLY	-	-	6'-0"	7'-0"	-	MTL.	1/A6.03 SIM.	2/A6.03 SIM.	18/A6.02	13	●	●							MAGNETIC HOLD OPEN; TIE HOLD OPEN TO FIRE ALARM.		

Door & Door Hardware Notes

- DOOR ELEVATIONS & DOOR HARDWARE ARE PROVIDED TO DEMONSTRATE THE "TYPICAL" CONDITION. REFER TO DOOR SCHEDULE AND DOOR HARDWARE SPECIFICATION FOR ACTUAL DOOR HARDWARE REQUIREMENTS. REFER TO FINISH HARDWARE SPECIFICATION AND SCHEDULE FOR HARDWARE SET INFORMATION.
- CONTRACTOR TO FIELD VERIFY ALL MASONRY OPENING SIZES, DOOR SIZES, HINGE LOCATIONS, DOOR SWING ETC. AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING DOORS.
- WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN PRIOR TO THE BID TO BE OF LIKE KIND AND OF EQUAL QUALITY.
- ALL DOOR FINISHES ARE SPECIFIED ON THE DOOR SCHEDULE AND NOTED IN THE SPECIFICATIONS. COLOR SHALL BE SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
- CONTRACTOR TO PATCH AND REPAIR ALL DISTURBED INTERIOR AND EXTERIOR FINISHES AS REQUIRED.
- WHERE SECURITY FILM IS USED, SECURITY FILM SHALL BE INSTALLED BY MANUFACTURER TO ENSURE FILM EXTENDS BEYOND GLAZING STOPS.
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL HARDWARE WITH OWNER PRIOR TO ORDERING OR INSTALLING. COORDINATE WITH ACTUAL FIELD CONDITIONS FOR A COMPLETE INSTALLATION.
- CONTRACTOR SHALL COORDINATE WITH OWNER TO KEY ALL CYLINDERS TO MATCH EXISTING MASTER KEYING SYSTEM FOR DISTRICT STANDARDS.
- CONTRACTOR SHALL PROVIDE & INSTALL WEATHER STRIPPING FOR ALL EXTERIOR DOORS.
- CONTRACTOR SHALL PROVIDE AND INSTALL ASTRAGALS AND DOOR BOTTOM SHOES FOR ALL EXTERIOR DOUBLE DOORS.
- CONTRACTOR SHALL PROVIDE FIRE RATED GLAZING IN FIRE RATED DOOR AND FRAME ASSEMBLIES AS REQUIRED TO ACHIEVE THE MINIMUM FIRE RATING. REFER TO DOOR ELEVATIONS.
- ALL INTERIOR FIRE RATED GLAZING IN DOORS, SIDELITES AND WINDOWS SHALL BE FIRELITE PLUS 1/4" THICK CLEAR GLASS OR PILKINGTON PYROSTOP CLEAR GLASS AS INDICATED ON DOOR SCHEDULE / DOOR ELEVATIONS. CONTRACTOR SHALL PROVIDE FIRE RATED DOOR ASSEMBLY INCLUDING FRAMES AND GLAZING TO COMPLY WITH BUILDING CODE. SEE DOOR SCHEDULE FOR ASSEMBLY FIRE RATINGS.
- ALL DOOR HARDWARE, CARD ACCESS READER AND SECURITY HARDWARE SHALL BE COORDINATED WITH OWNER REQUIREMENTS. PROVIDE POWER AS REQUIRED.
- CONTRACTOR SHALL COORDINATE WITH OWNERS REQUIREMENTS FOR OVERHEAD DOOR OPTIONS AND CONTROLS
- GC TO PROVIDE AND INSTALL ALL REQUIRED BLOCKING, SHIMS, AND SEALANT FOR A COMPLETE INSTALLATION. WOOD TO BE PRESSURE TREATED WHERE APPLICABLE.
- ALL GLAZING IN DOORS, SIDELITES AND TRANSOMS SHALL BE SAFETY GLAZING AS REQUIRED BY IBC SECTION 2406.2 AND THE NYS ED MANUAL OF PLANNING STANDARDS.

Energy Code Requirements

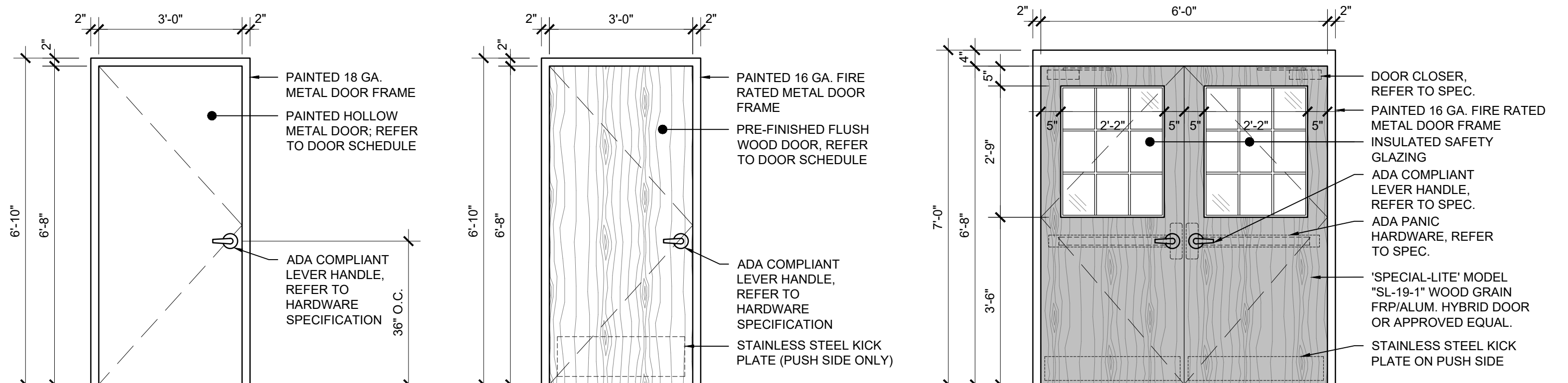
IECC 2015 - Table C402.4

Climate ZONE - 4

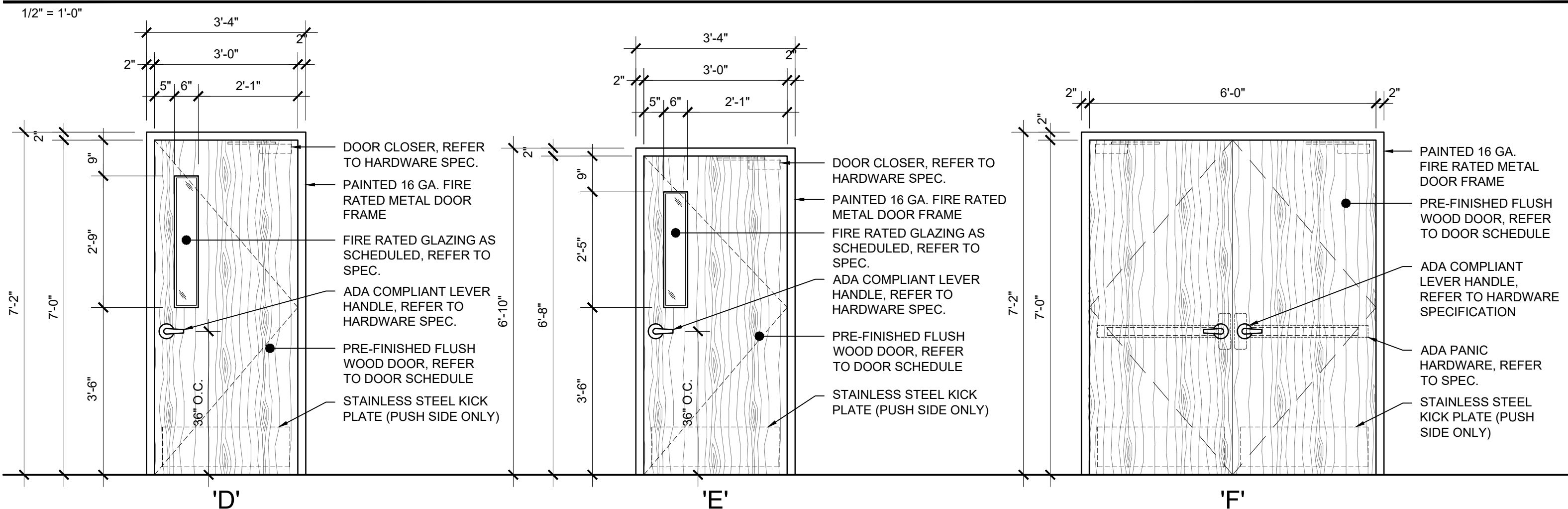
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Fixed Fenestration: 0.38
Operable Fenestration: 0.45
Entrance Doors: 0.77

SHGC
N-0.53, SEW-0.40

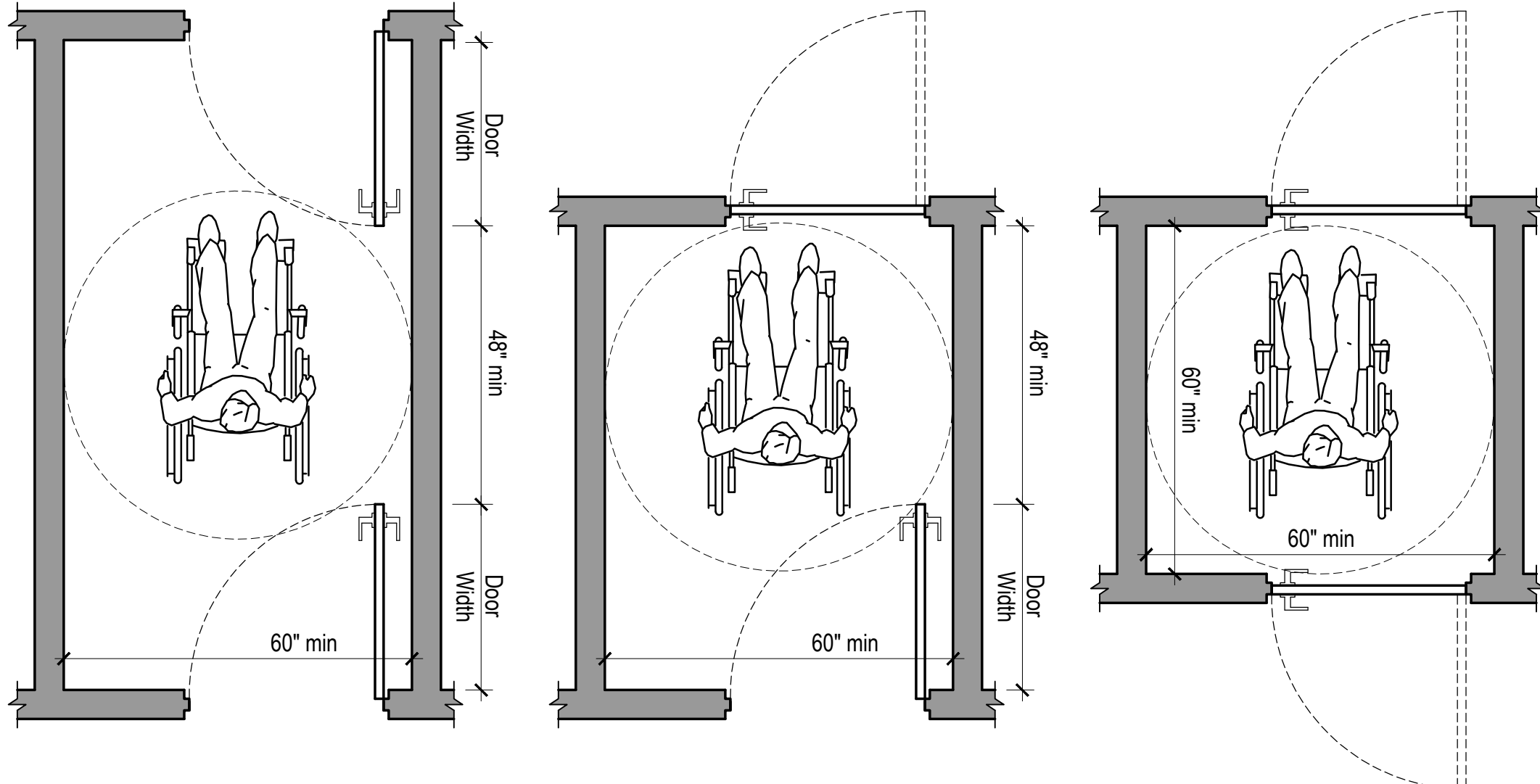
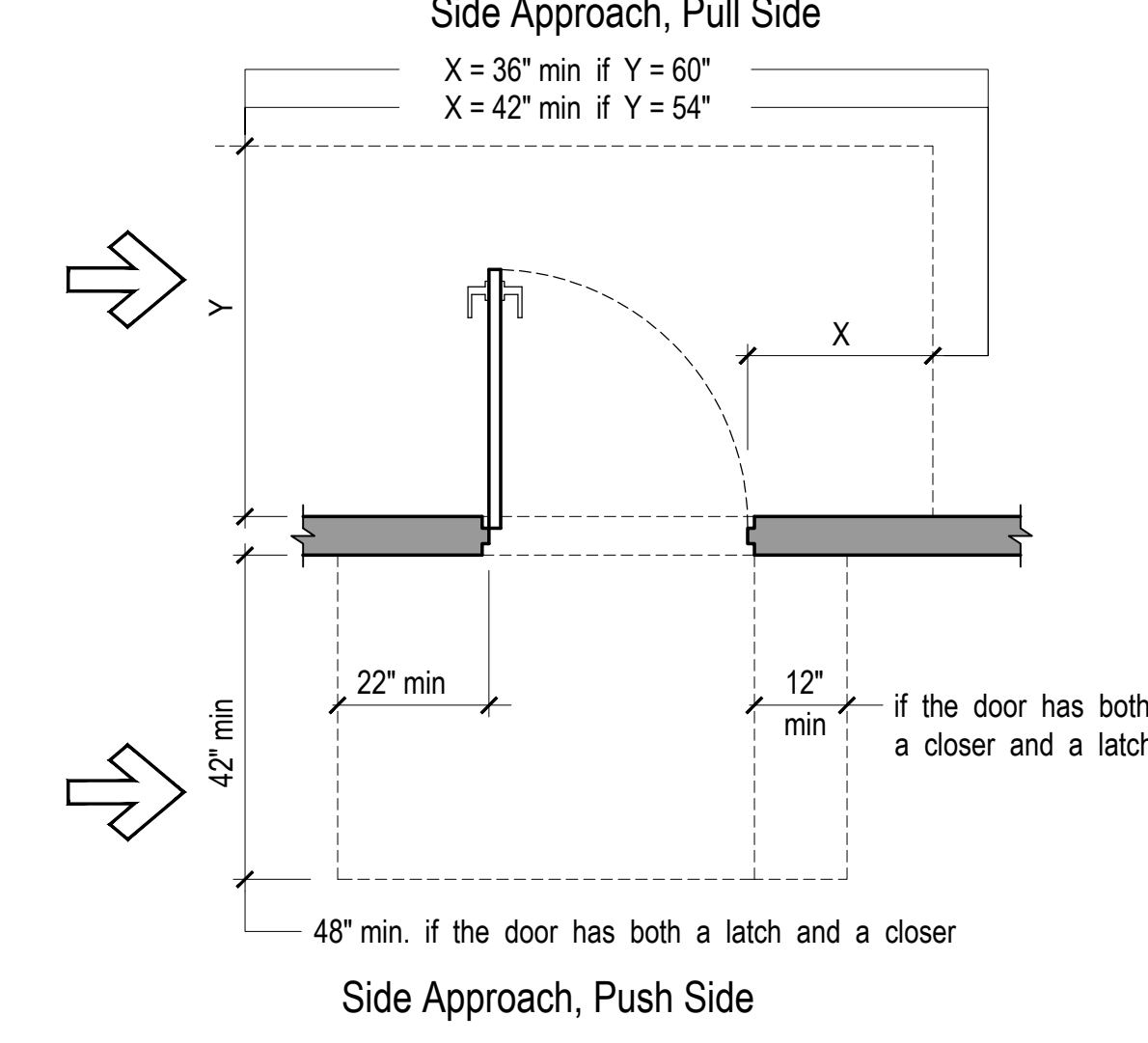
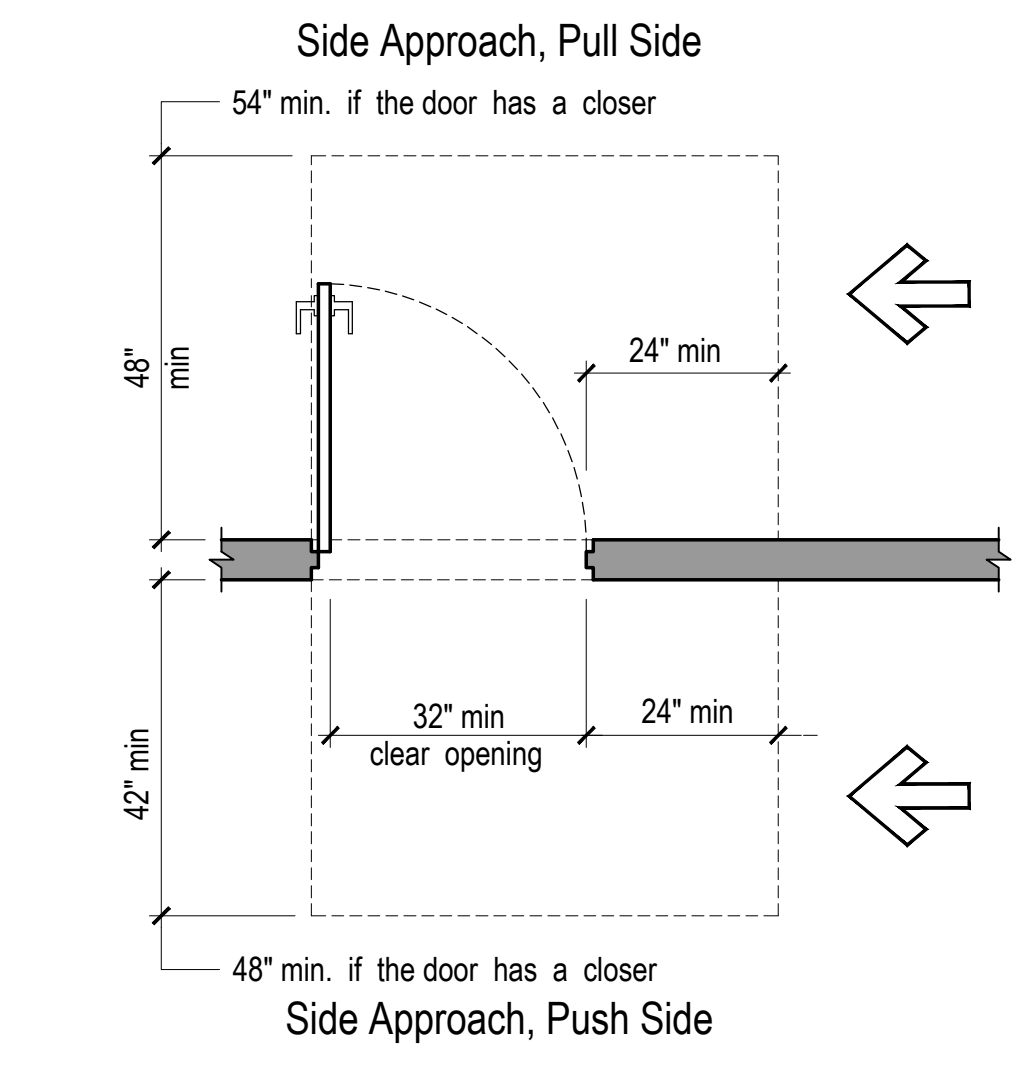
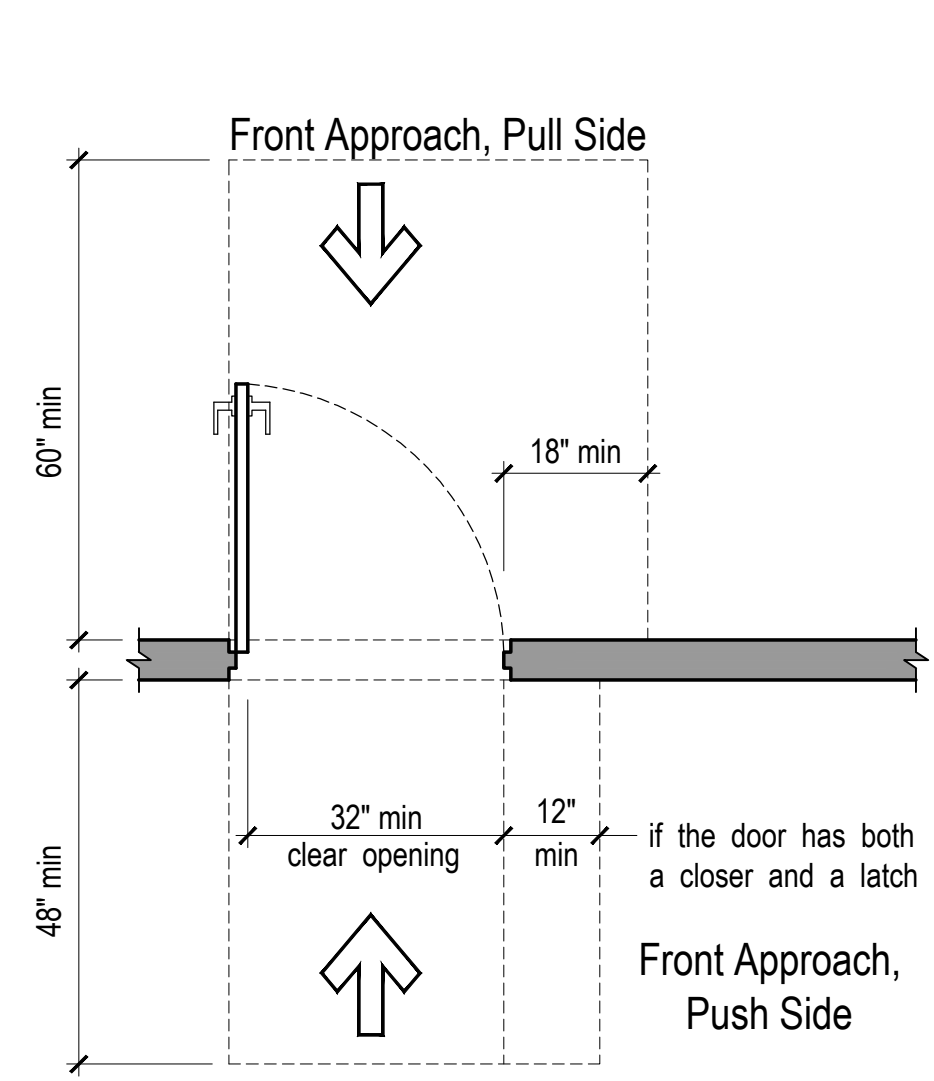
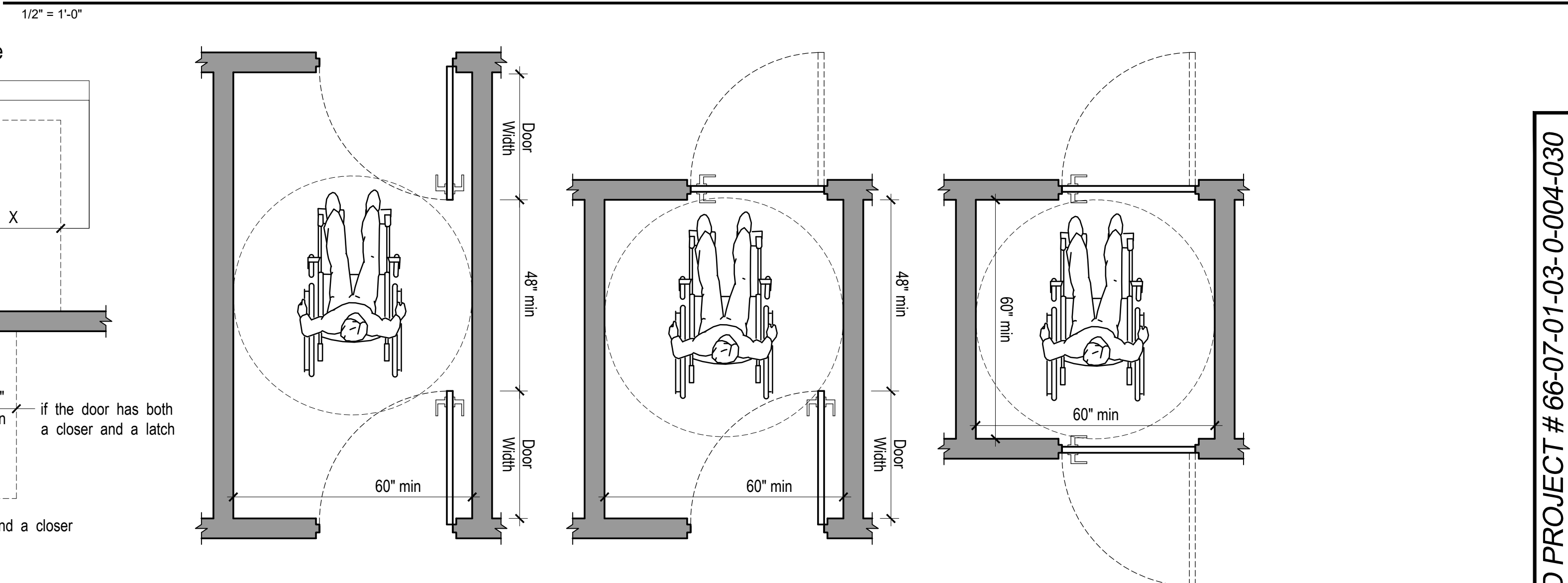
NOTE: ALL EXTERIOR DOORS AND WINDOWS SHALL MEET OR EXCEED THE ENERGY CODE MINIMUM REQUIREMENTS.



Door Types



Door Types



A Door Maneuv. Clearances
N.T.S.

B Door Maneuv. Clearances
N.T.S.

C Door Maneuv. Clearances
N.T.S.

D Door Maneuv. Clearances - Two Hinged Doors In Series
N.T.S.

Date1/10/20

CheckedJT

DrawnJG

MICHAEL J. MCGOVERN, R.A.

REGISTERED ARCHITECT

License No. 02257-1

Revisions:

ISSUE TO BID

11/23/20

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DOOR SCHEDULE & DOOR TYPES

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL

MAMARONECK UNION FREE SCHOOL DISTRICT

850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 10927202A601

A6.01

NYSED PROJECT # 66-07-01-03-0-004-030

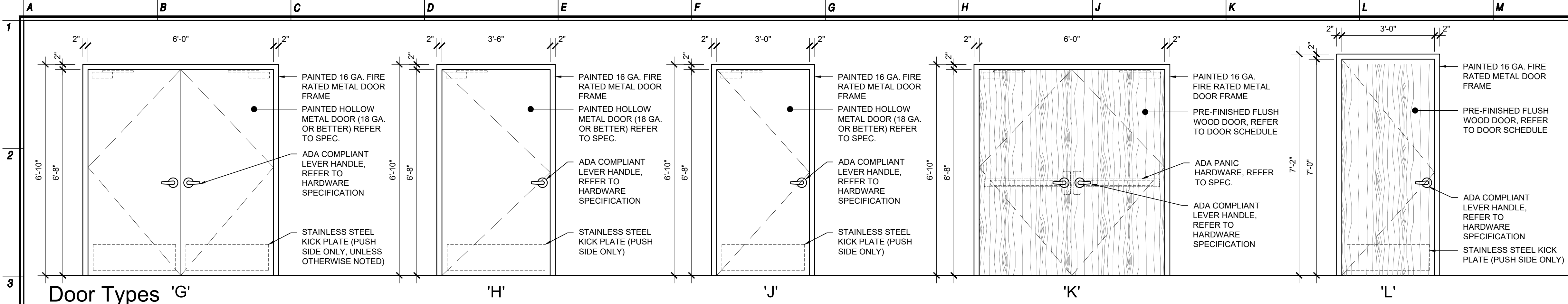
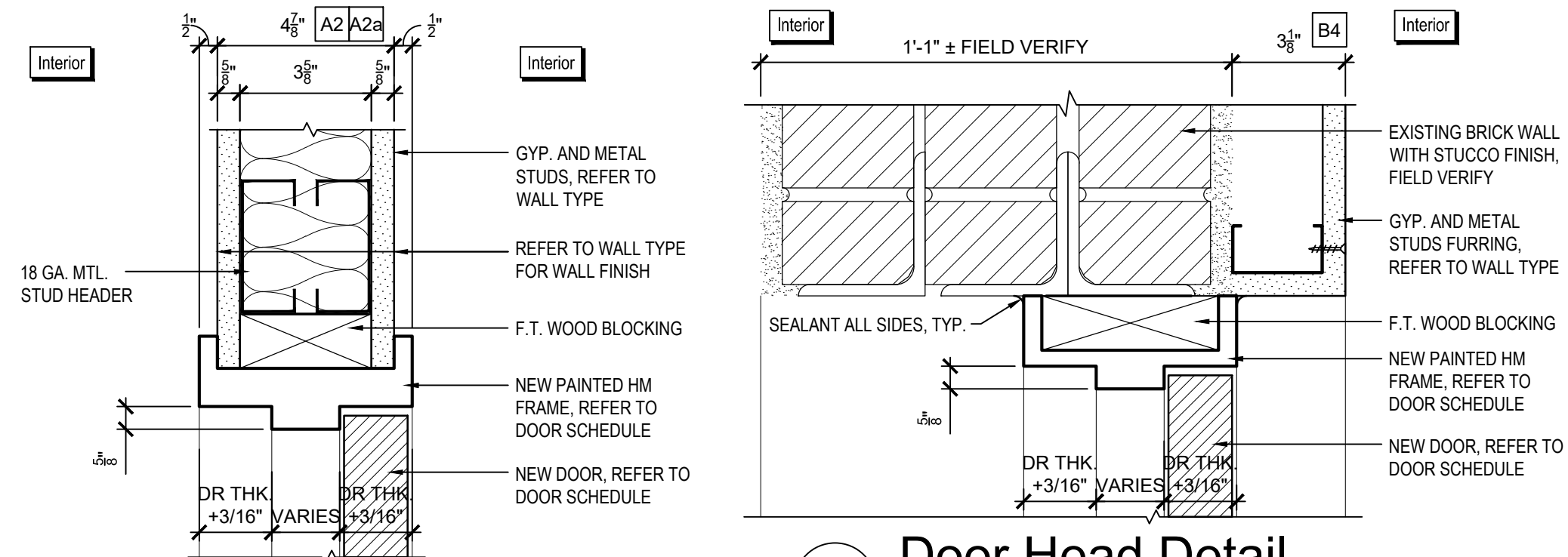


Table 716.3 - Marking Fire Rated Glazing Assemblies

FIRE TEST STANDARD	MARKING	DEFINITION OF MARKING
ASTM E119 OR UL 263	W	MEETS WALL ASSEMBLY CRITERIA
NFPA 257 OR UL 9	OH	MEETS FIRE WINDOW ASSEMBLY CRITERIA INCLUDING THE HOSE STREAM TEST.
NFPA 252 OR UL 10B OR UL 10C	D H T	MEETS FIRE DOOR ASSEMBLY CRITERIA. MEETS FIRE DOOR ASSEMBLY HOSE STREAM TEST. MEETS 450°F TEMPERATURE RISE CRITERIA FOR 30 MINUTES.
	XXX	THE TIME IN MINUTES OF FIRE-RESISTANCE OR FIRE PROTECTION RATING OF THE GLAZING ASSEMBLY.

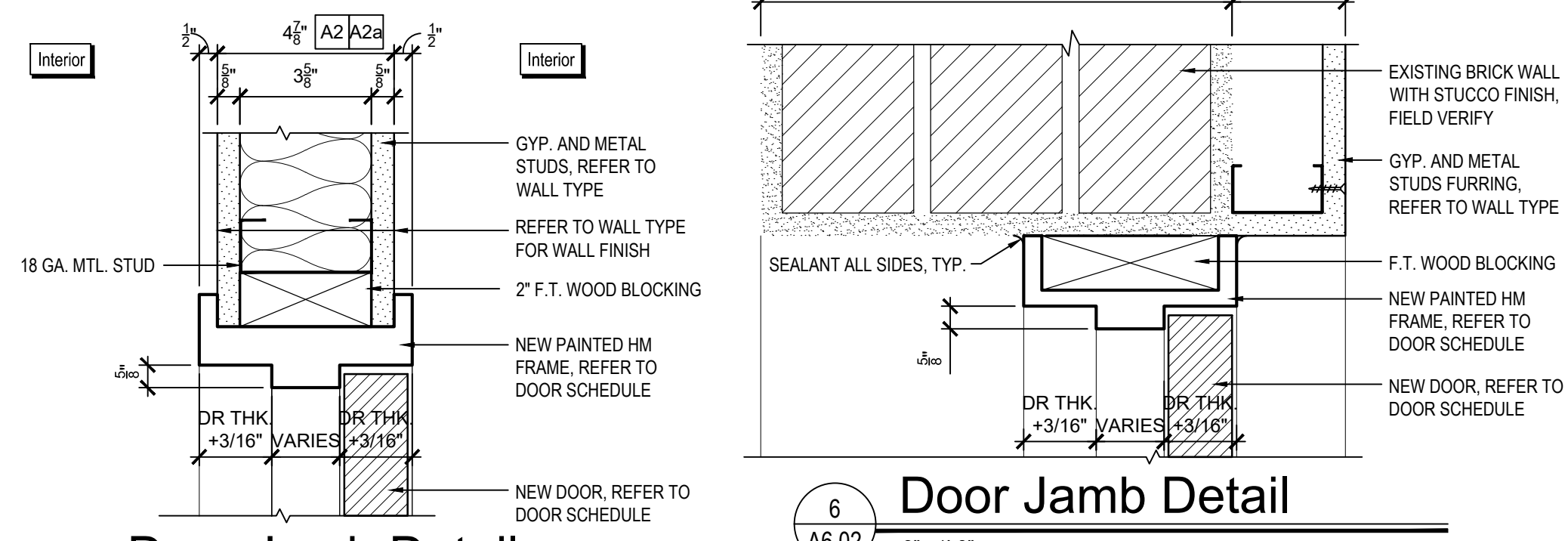
Door Types 'G'

1/2" = 1'-0"



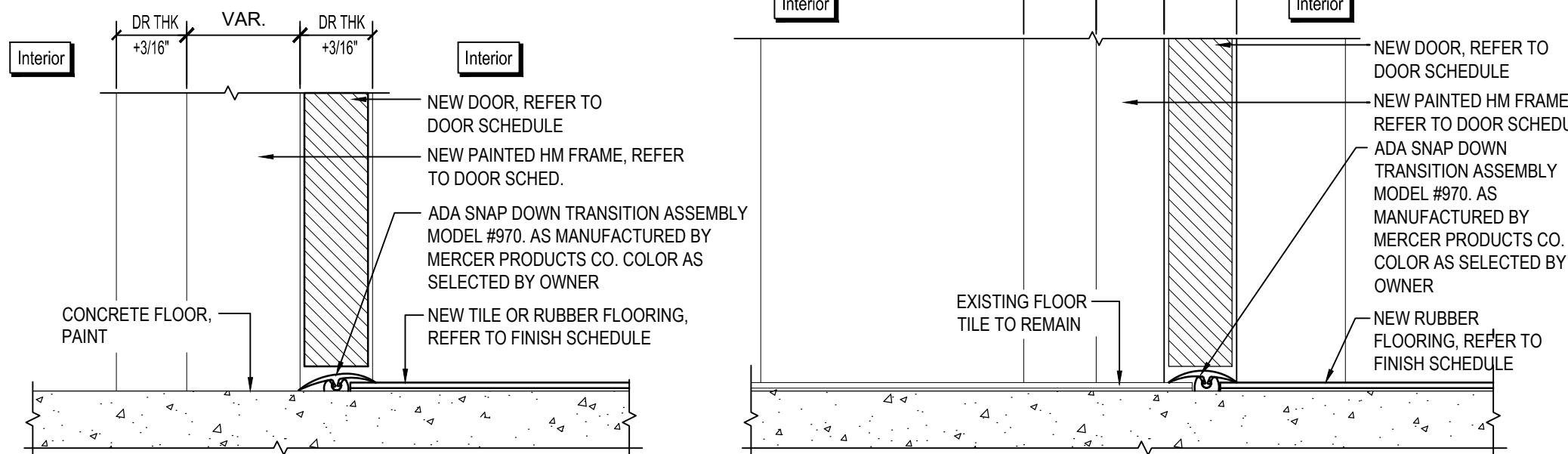
Door Head Detail

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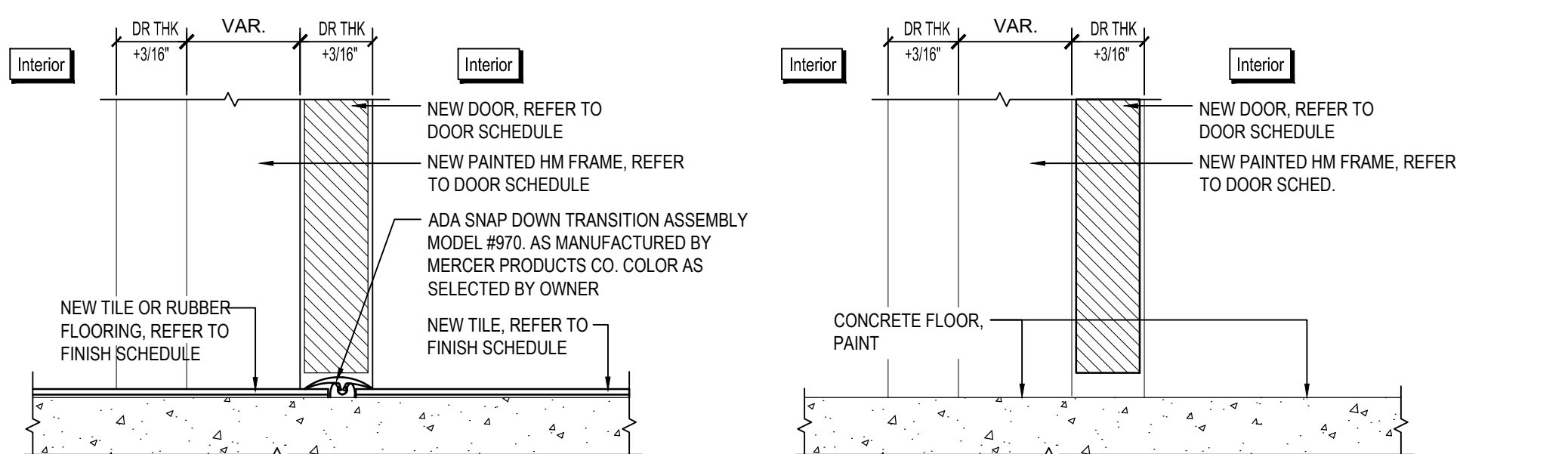
Door Jamb Detail

3" = 1'-0"



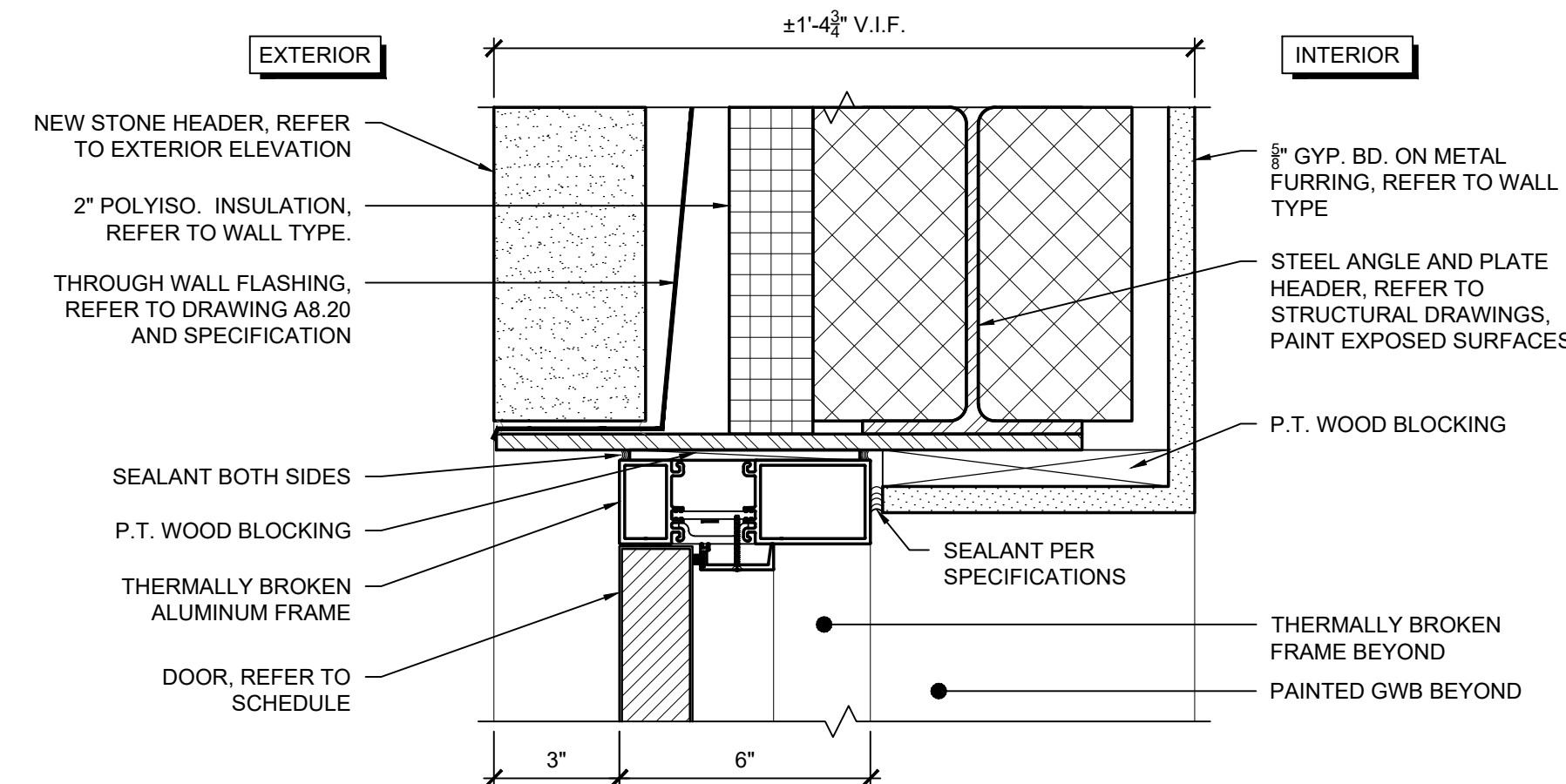
Door Sill Detail

3" = 1'-0"



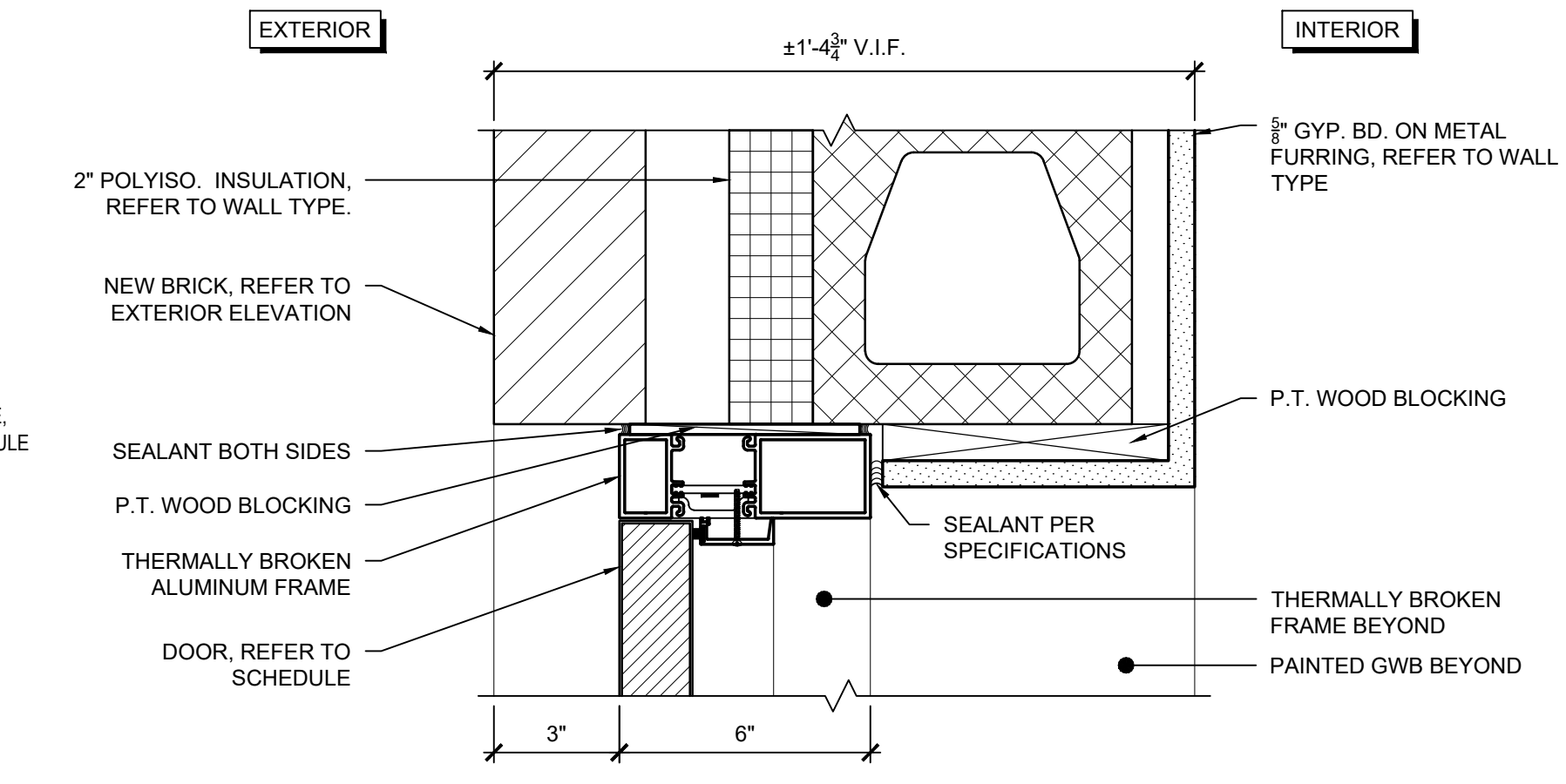
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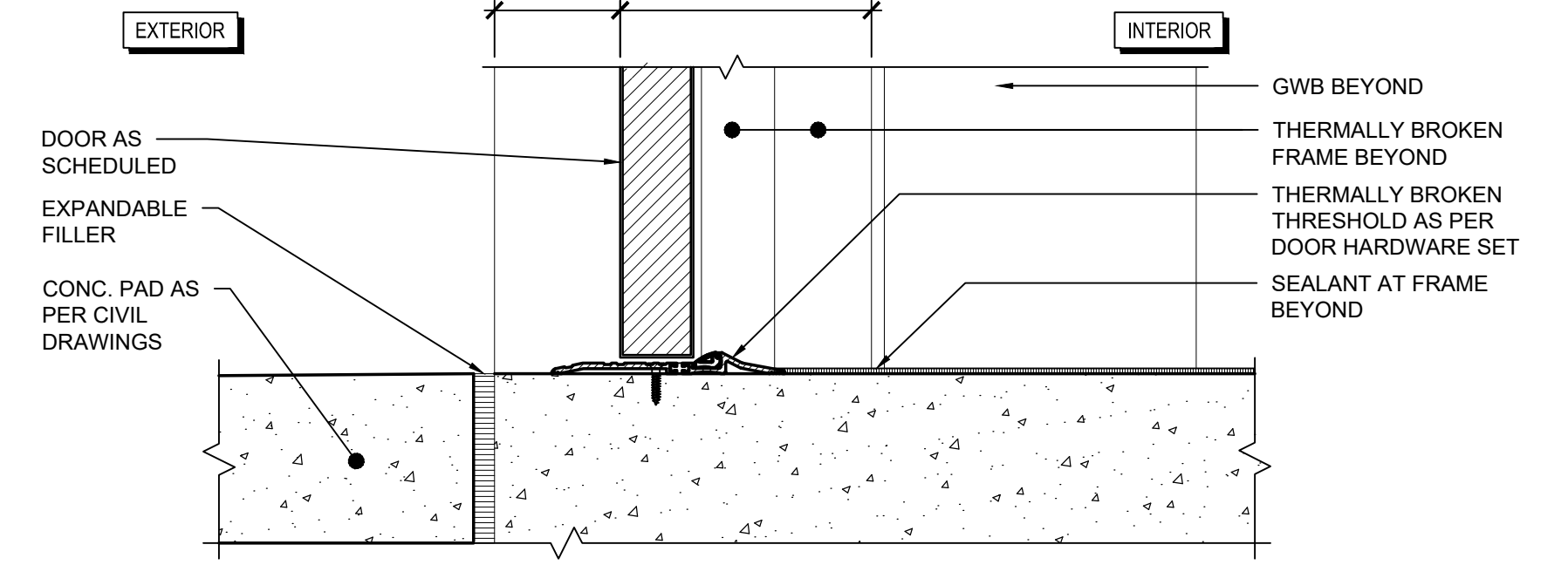
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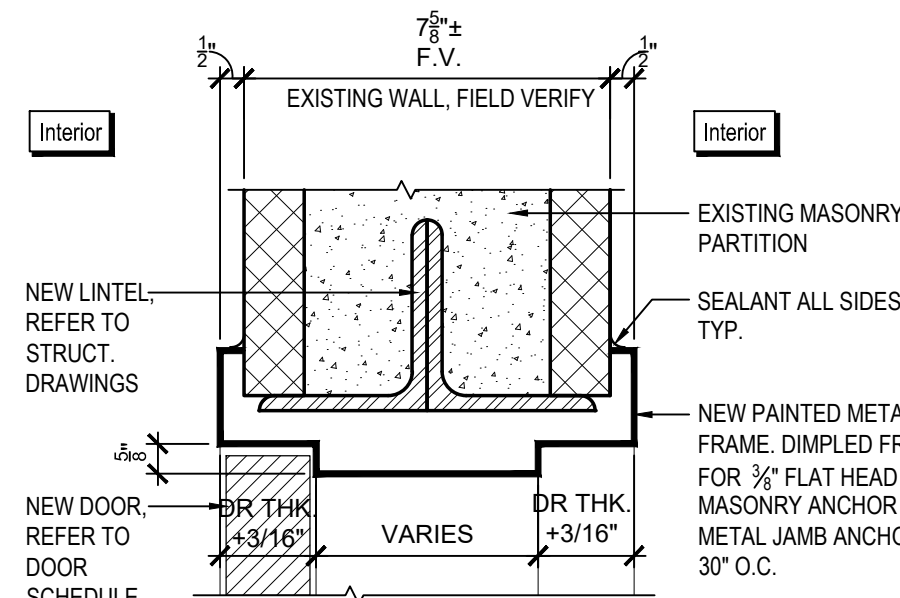
Door Jamb Detail

3" = 1'-0"



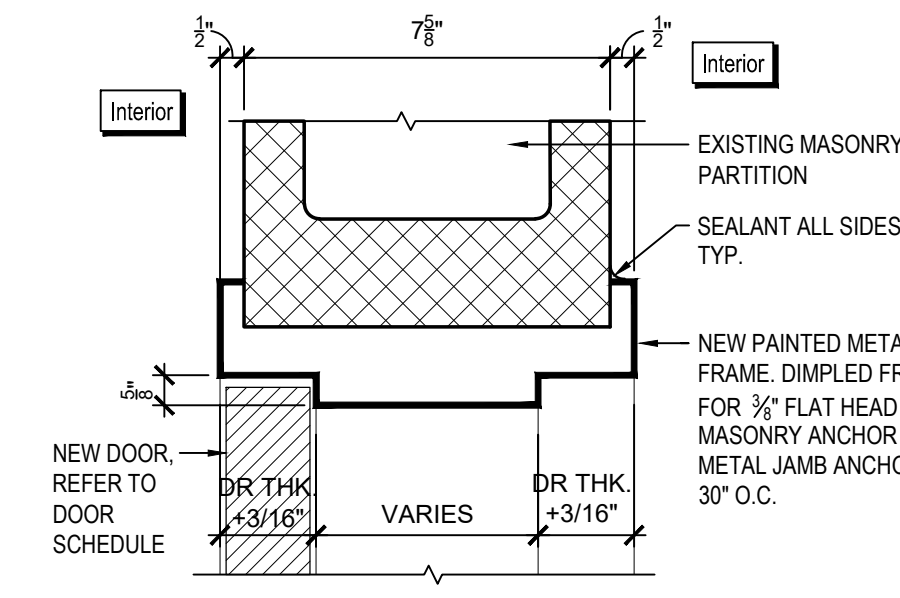
Door Sill Detail

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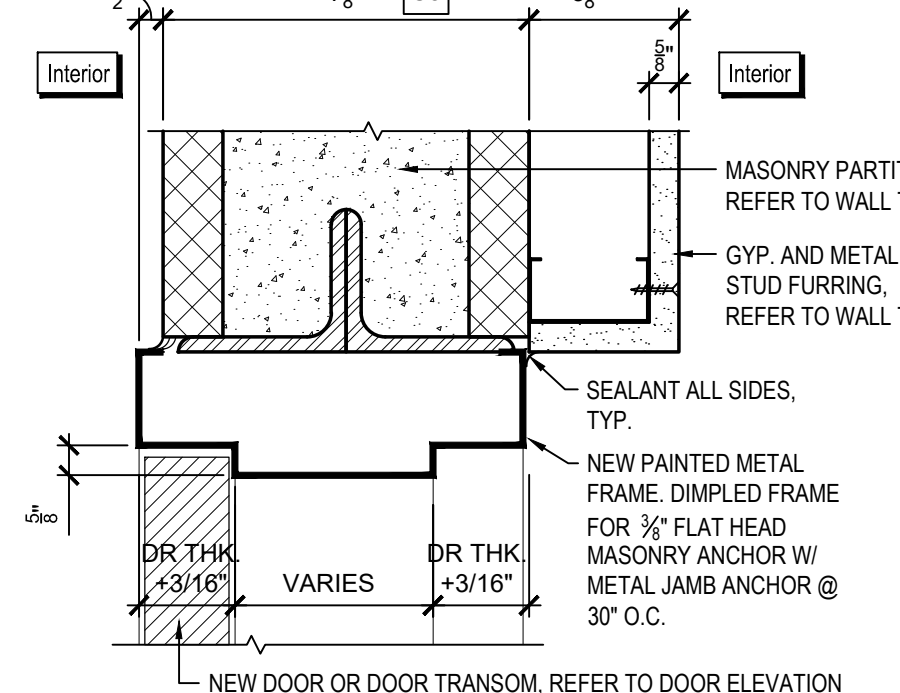
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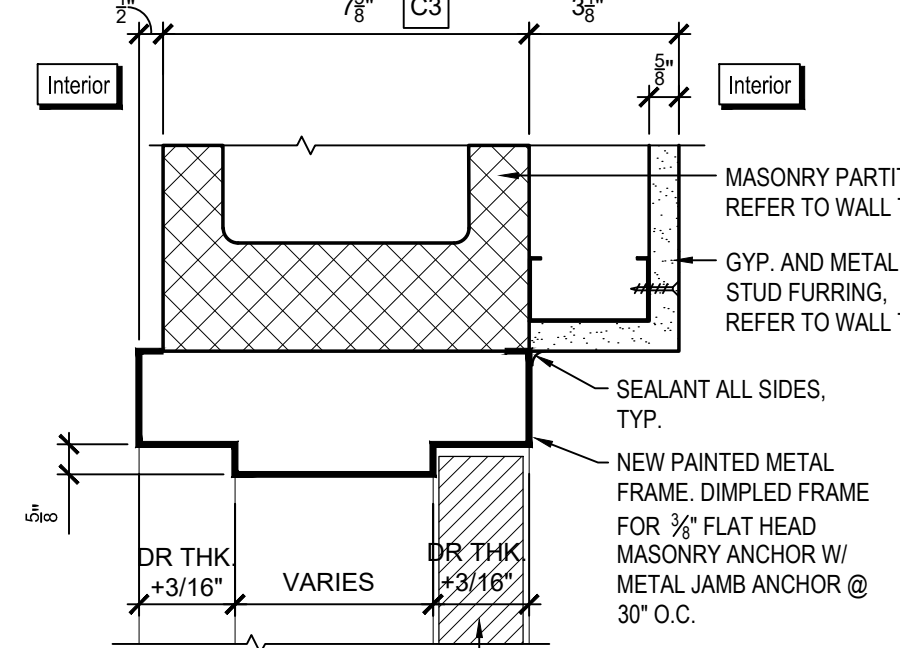
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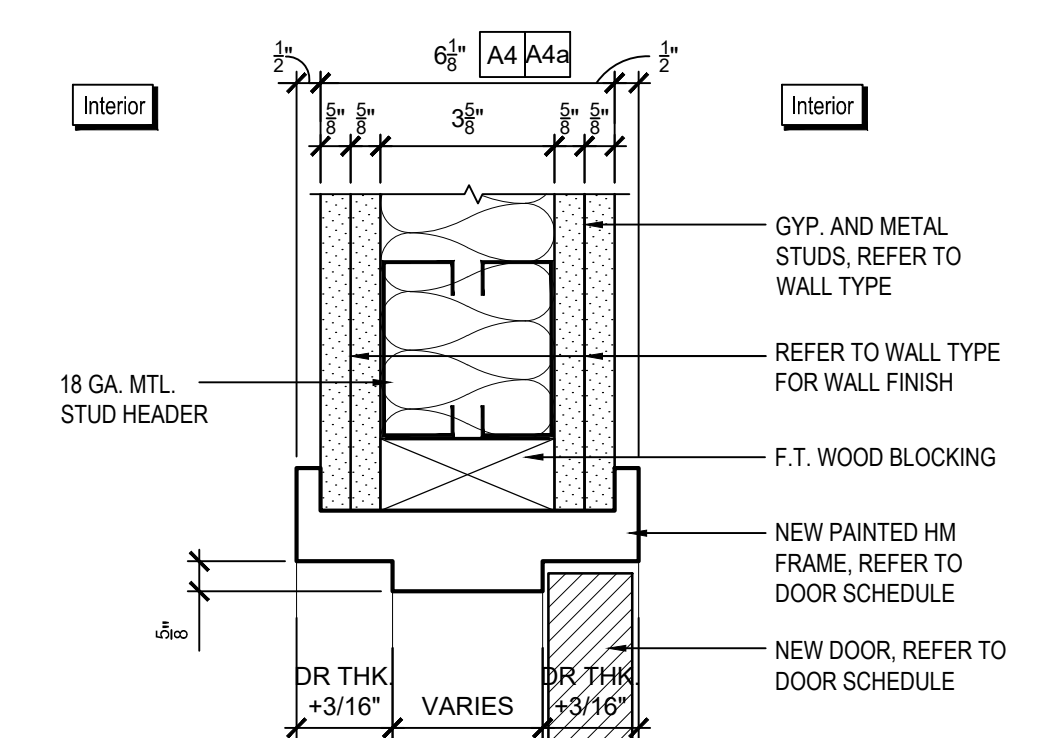
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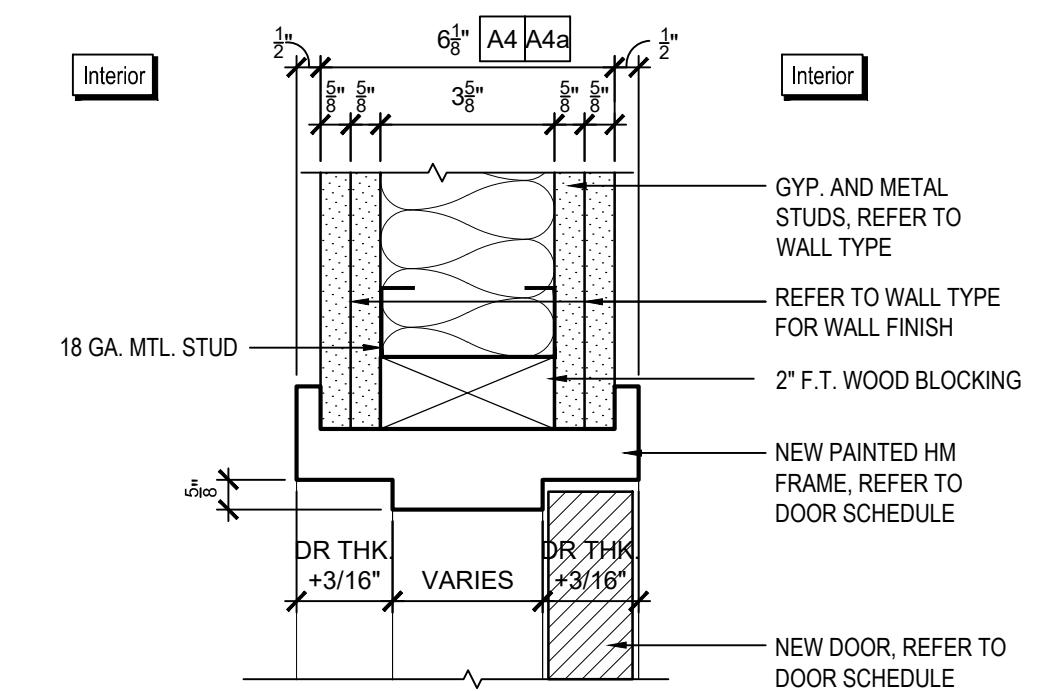
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3" = 1'-0"



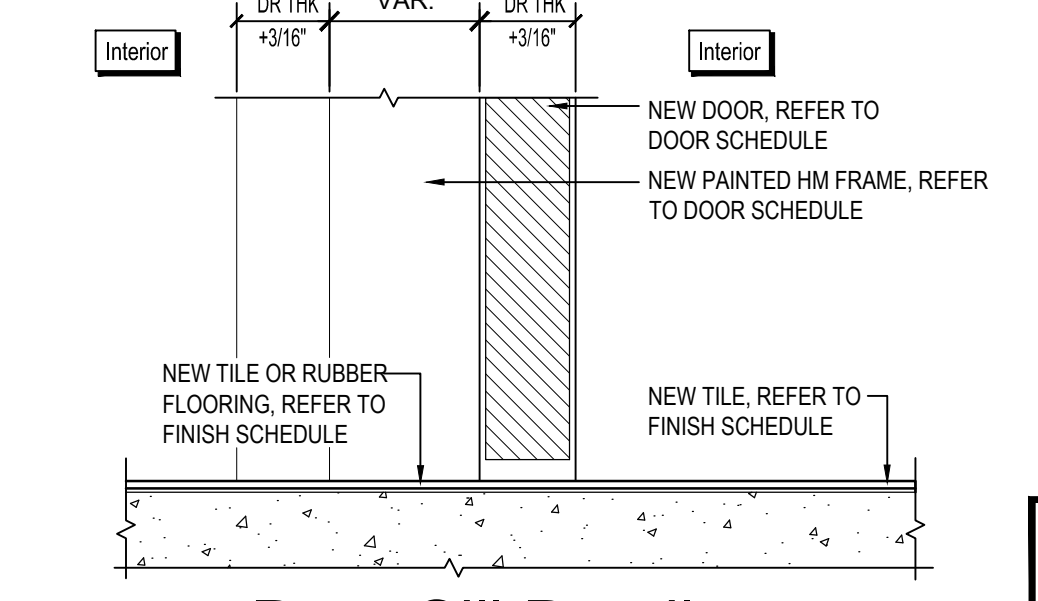
Door Head Detail

3" = 1'-0"



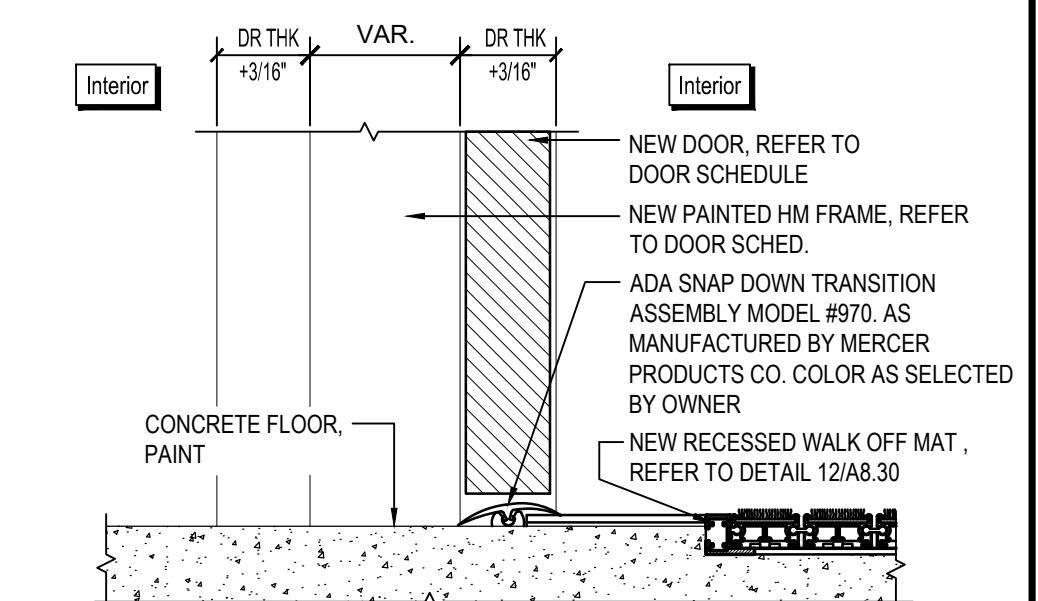
Door Jamb Detail

3" = 1'-0"



Door Sill Detail

3" = 1'-0"



Door Sill Detail

3" = 1'-0"

DATE: 1/10/20
CHECKED: JT
DRAWN: JG

MICHAEL J. MCGOVERN, P.E.
REGISTERED ARCHITECT
LICENSE NO. 022257-1

Revisions:
ISSUE TO BD 11/23/20

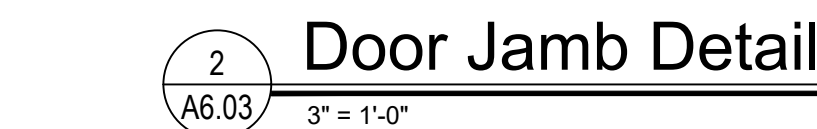
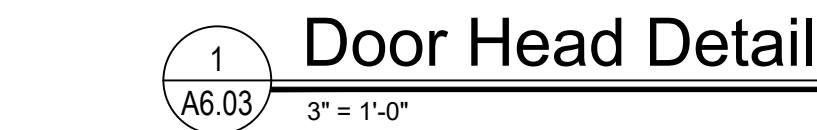
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DOOR TYPES & DETAILS
2019 BOND REFERENDUM
MAMARONECK JUNIOR ELEMENTARY SCHOOL
MAMARONECK AVENUE FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543


Job No. 4.1092.72.2
File No. 10927202A601

A6.02



Revisions:

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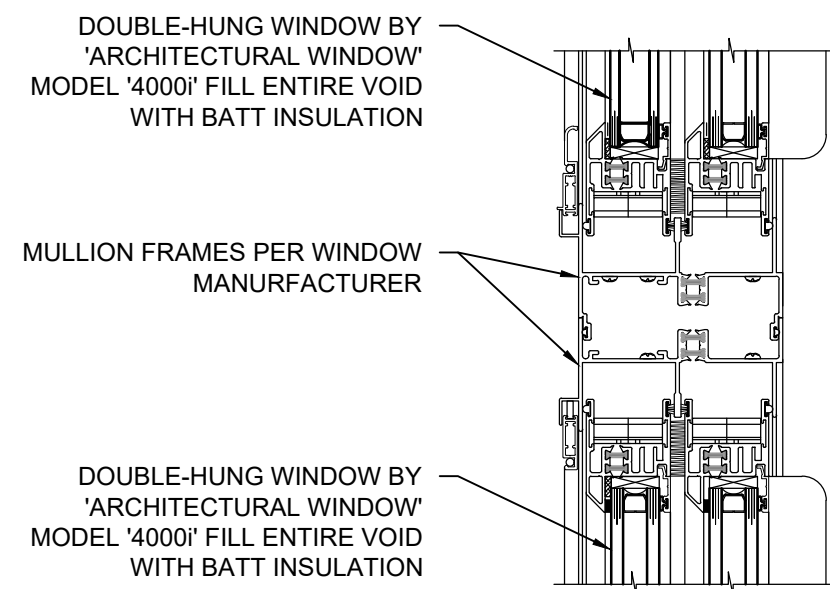
DOOR DETAILS

2019 BOND REFERENDUM
 MAMARONECK AVENUE ELEMENTARY SCHOOL
 MAMARONECK UNION FREE SCHOOL DISTRICT
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Job No. 4.1092.72.2

File No. 10927202A601

A6.03



1. WINDOWS SHALL BE THERMALLY BROKEN ALUMINUM BY "ARCHITECTURAL WINDOW MANUFACTURING CORPORATION" OR APPROVED EQUAL.
2. ALL WINDOW WORK IS TO BE PERFORMED BY THE GENERAL CONTRACTOR.
3. GC TO INCL. WINDOW SHADES FOR ALL WINDOWS EXCLUDING THE CURTAIN WALL IN THE "HANG STARWELLS & CURTAIN TYPE. REFER TO "WINDOW SHADE NOTE" BELOW.
4. CONTRACTOR SHALL PROVIDE ALL WINDOW DIMENSIONS.
5. DRAWINGS ARE BASED ON SPECIFIC TYPE & MODEL ALUMINUM WINDOW BY A SINGLE MANUFACTURER. EQUIVALENT TYPE WINDOWS BY OTHER MANUFACTURERS MAY BE ACCEPTED (IF THEY CAN BE SHOWN IN ADVANCE TO BE OF LIKE KIND AND OF EQUAL QUALITY). PROVIDED VARIATIONS IN DIMENSIONS AND PROFILE ARE MINOR AND DO NOT MATERIALLY DETRACT FROM DESIGN CONCEPT OR INTENDED PERFORMANCE. AS JUDGED SOLELY BY THE ARCHITECT. REFER TO SPECIFICATIONS FOR SPECIFIC SUBSTITUTION REQUIREMENTS.
6. CONTRACTOR RESPONSIBLE TO CHECK & VERIFY ACTUAL WINDOW OPENINGS BY ACCURATE FIELD MEASUREMENTS BEFORE FABRICATION, AND SHOW RECORDED MEASUREMENTS ON FINAL SHOP DRAWINGS.
7. CAULK EXTERIOR PERIMETER OF ALL WINDOWS. COLOR OF CAULK TO MATCH WINDOWS.
8. SET ALL WINDOWS PLUMB, LEVEL, AND TRUE TO LINE WITHOUT WARF OR RACK OF FRAMES OR SASH. ANCHOR SECURELY IN PLACE. SEPARATE ALUMINUM AND OTHER CORRODIBLE SURFACES FROM SOURCES OF CORROSION OR ELECTROLYTIC ACTION.
9. ADJUST OPERATING SASH AND HARDWARE TO PROVIDE TIGHT FIT AT CONTACT POINTS AND AT WEATHERSTRIPPING, AND TO ENSURE SMOOTH OPERATION AND WEATHERTIGHT CLOSURE.
10. CLEAN ALUMINUM SURFACES PROMPTLY AFTER INSTALLATION OF WINDOWS. EXERCISING CARE TO AVOID DAMAGE TO PROTECTIVE COATINGS AND FINISHES.
11. SUBSTITUTES: GLASS SEAL COMPOUND, PART OF OTHER SUBSTITUTES.
12. CLEAN GLASS OF PRE GLAZED UNITS PROMPTLY AFTER INSTALLATION OF WINDOW. COMPLY WITH REQUIREMENTS OF MANUFACTURER.
13. INSTALL & MAINTAIN PROTECTIONS AND OTHER PRECAUTIONS REQUIRED TO ENSURE THAT WINDOW UNITS WILL BE WITHOUT DETERIORATION AT TIME OF ACCEPTANCE.
14. PROVIDE AND INSTALL WINDOW SCREENS AT ALL OPERABLE EXTERIOR WINDOWS.
15. SUBSTITUTES: SHAL, LINOLEUM AND PAINT ALL EXPOSED SURFACES OF STEEL LINELS, STEEL PLATES AND STEEL DOOR AND WINDOW FRAMES, TYPICAL PAINT COLOR AS SELECTED BY OWNER.
16. GC TO PROVIDE AND INSTALL ALL REQUIRED BLOCKING, SHIMS, AND SEALANT FOR A COMPLETE INSTALLATION. WOOD TO BE PRESSURE TREATED WHERE APPLICABLE.


A.	EMERGENCY RESCUE WINDOWS, AS REQUIRED IN S106-2, SHALL BE WINDOWS OF SUCH SIZE AND DESIGN THAT WILL PERMIT AND FACILITATE EMERGENCY EGRESS THROUGH THEM. WINDOW HARDWARE SHALL BE A MAXIMUM OF 54 INCHES ABOVE THE FLOOR. IT IS RECOMMENDED THAT ALL CLASSROOM WINDOWS PERMIT EMERGENCY EGRESS. DOUBLE HUNG, CASSETTE, AND SLIDING WINDOWS ARE SATISFACTORY WINDOW TYPES. CASSETTE WINDOWS MUST HAVE HARDWARE THAT PERMITS THE WINDOW TO OPEN AT LEAST 90 DEGREES.
B.	THE MINIMUM CLEAR OPENING AREA FOR RESCUE WINDOWS SHALL BE AT LEAST 6 SQUARE FEET AND THE MINIMUM DIMENSION SHALL BE 24 INCHES UNLESS OTHERWISE APPROVED.
C.	SCREENS, IF PROVIDED AT RESCUE WINDOWS, SHALL BE HINGED OR SLIDING AND SHALL BE OPERABLE FROM THE INSIDE WITH ONE HAND, AND WITHOUT THE USE OF A KEY, SPECIAL TOOL, OR SPECIAL KNOWLEDGE.
D.	WHEN A RESCUE WINDOW IS REQUIRED, SCHOOL AUTHORITIES SHALL CAUSE AT LEAST ONE SUCH WINDOW PER CLASSROOM, TO BE MARKED BY AN APPROPRIATE SIGN IDENTIFYING THE RESCUE WINDOW. ANY WINDOW COVERINGS THAT MAY COVER THE WINDOW MUST ALSO HAVE A LABEL.
E.	RESCUE WINDOW LABELS SHALL BE: 1. COLOR: BRIGHT YELLOW BACKGROUND WITH BLACK LETTERS 2. SIZE: 3 INCHES BY 5 INCHES 3. TEXT: RESCUE WINDOW READABLE FROM EACH SIDE OF THE WINDOW
F.	INTERIOR RESCUE WINDOW ACCESS: RESCUE WINDOW/SILL HEIGHT SHALL BE AT THE RECOMMENDED SILL HEIGHT FOR THE GRADE LEVEL HOUSED IN THE ROOM (SEE TABLE S303-1). CASEWORK/CABINETS THAT SUPPORT BUILT-IN, PERMANENT PLATFORMS, OR 60 DEGREE SHIPS LADDERS MAY BE CONSIDERED TO ACCESS EXISTING WINDOW/SILL HEIGHTS ON AN INDIVIDUAL BASIS.
G.	EXTERIOR RESCUE WINDOW ACCESS: GROUND LEVEL ACCESS AND LEVEL WORKING AREAS MUST BE PROVIDED FOR THE USE OF EMERGENCY PERSONNEL. LOCAL CONDITIONS AND EQUIPMENT MAY ALLOW VARYING SOLUTIONS TO THIS REQUIREMENT. APPROVAL OF THE RESPONDING AGENCY/AGENCIES MAY BE REQUIRED IN SITUATIONS THAT ARE DIFFICULT.
H.	RESCUE WINDOWS THAT OPEN ONTO A ROOF FROM NEW CONSTRUCTION MAY BE APPROVED ON AN INDIVIDUAL BASIS PROVIDING THE ROOF IS READILY ACCESSIBLE TO SCHOOL PERSONNEL AND THE ROOF STRUCTURE IS ONE-HOUR MINIMUM FIRE PROTECTED. IT IS RECOMMENDED THAT EXISTING RESCUE WINDOWS HAVE THESE REQUIREMENTS FOR THE SAFETY OF EMERGENCY PERSONNEL, STUDENTS AND STAFF. RENOVATIONS OF AREAS UNDER SUCH WINDOWS MUST ADDRESS THIS ISSUE.

WINDOW SHADE NOTE: GC TO FURNISH AND INSTALL NEW WINDOW SHADES AT ALL EXTERIOR NON-CURtain-WALL WINDOW OPENINGS. SHADE SHALL BE "MECHOSHADE" (BASIS OF DESIGN) WITH "SNAPLOCK" FASCIA, COLOR TO MATCH NEW WINDOWS, TYP. WINDOW SHADE FABRIC TO BE SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE. SEE TYPICAL WINDOW HEAD DETAILS ON THIS PAGE FOR MOUNTING LOCATION AND ADDITIONAL INFORMATION. WHERE WINDOW SHADES COVER A RESCUE WINDOW, A LABEL SHALL BE AFFIXED TO THE SHADE IN CONFORMANCE WITH THE RESCUE WINDOW NOTES ON THIS PAGE.



Date	1/10/20
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MICHAEL J. McGOVERN, P.A. THE REGISTERED ARCHITECT License No. 022257-1	

	Revisions: ISSUE TO BID 11/23/20
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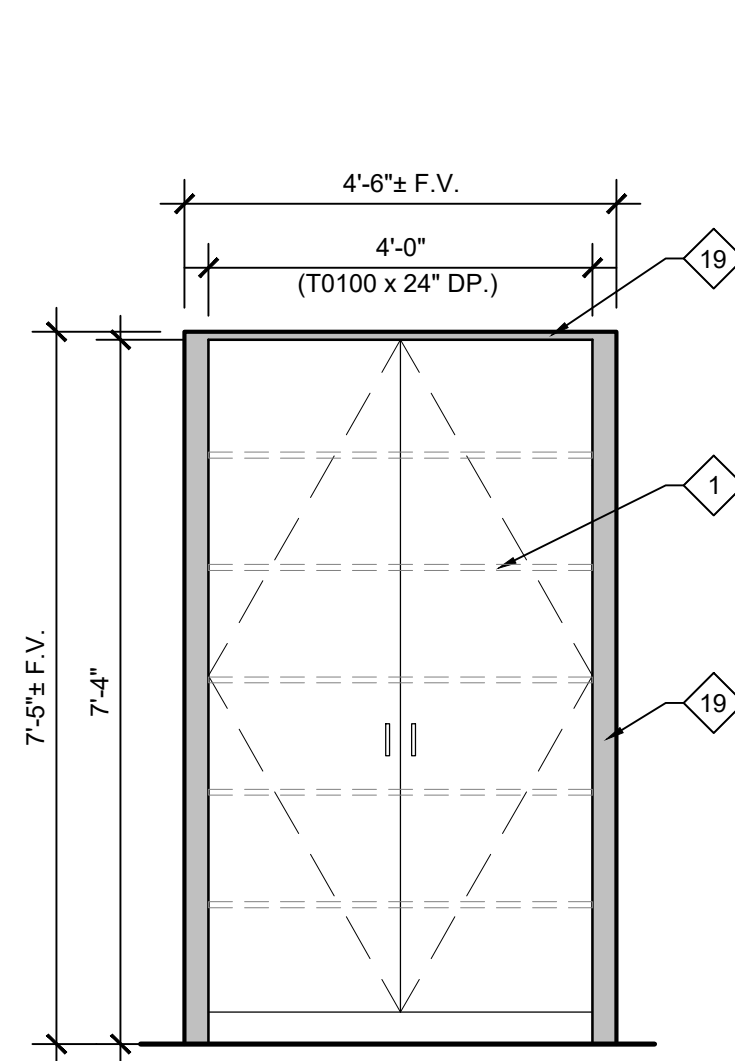
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WINDOW SCHEDULE & TYPES

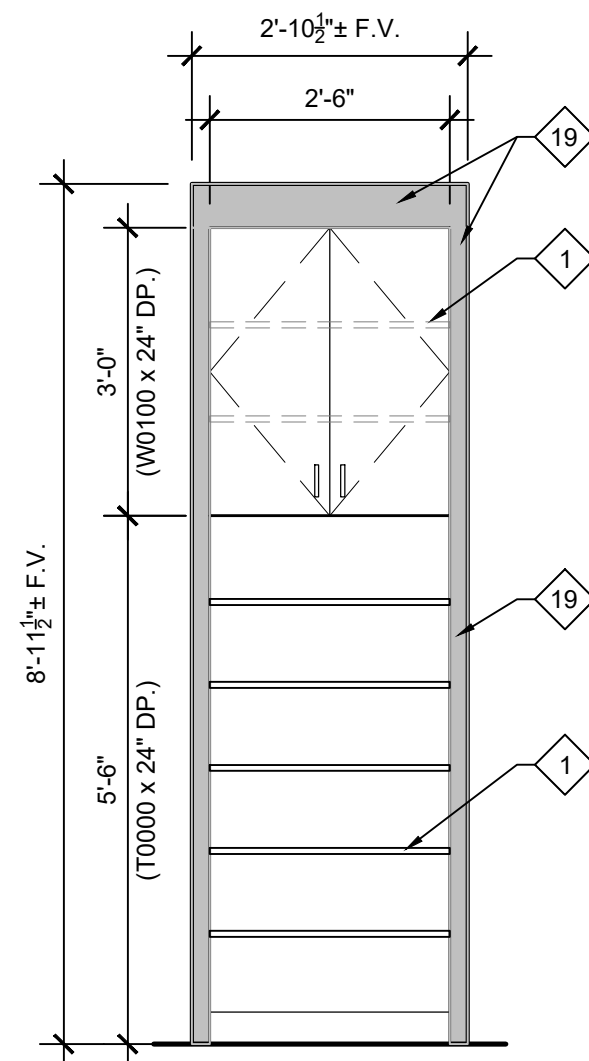
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File No. 10927202A610

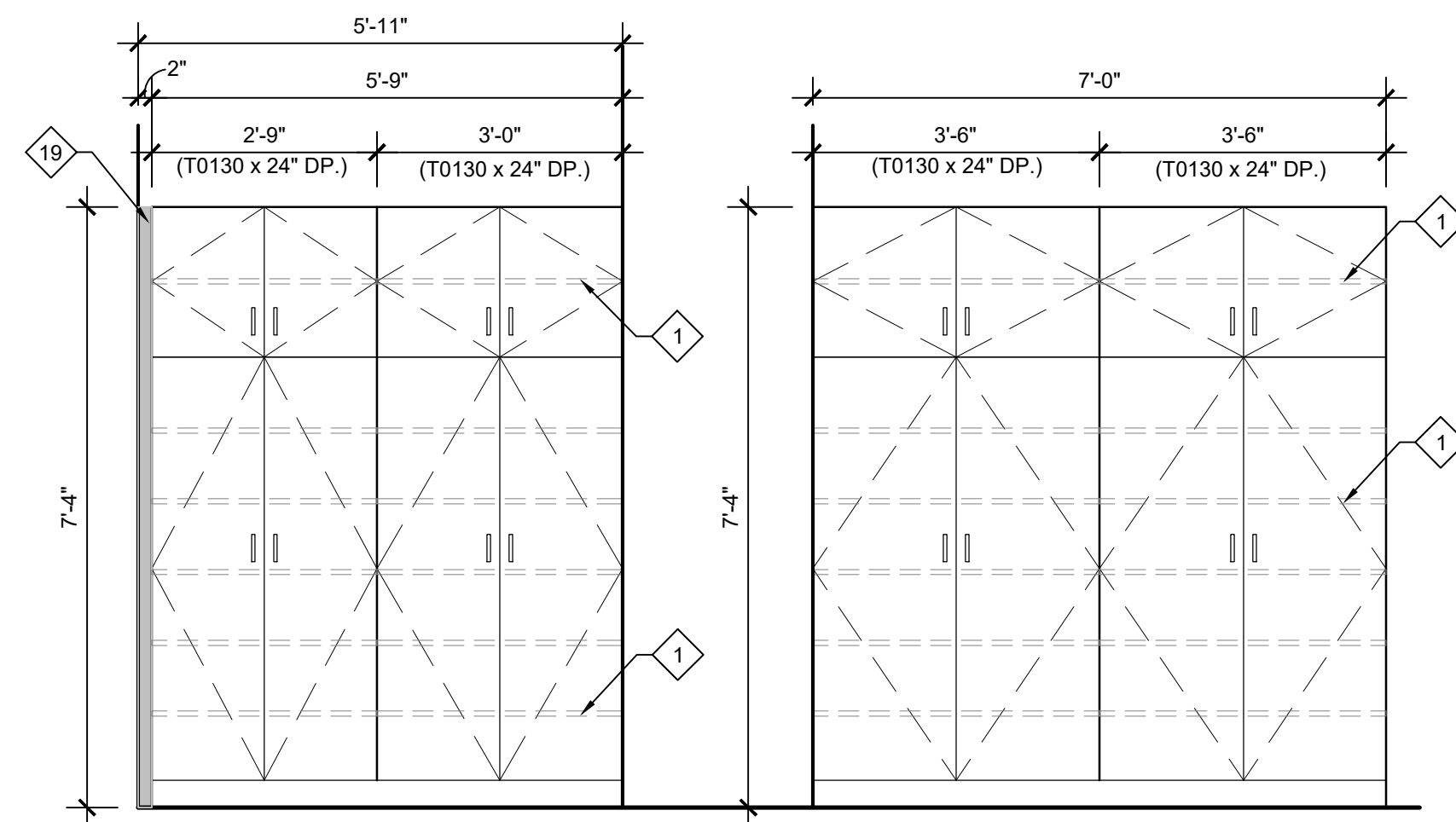
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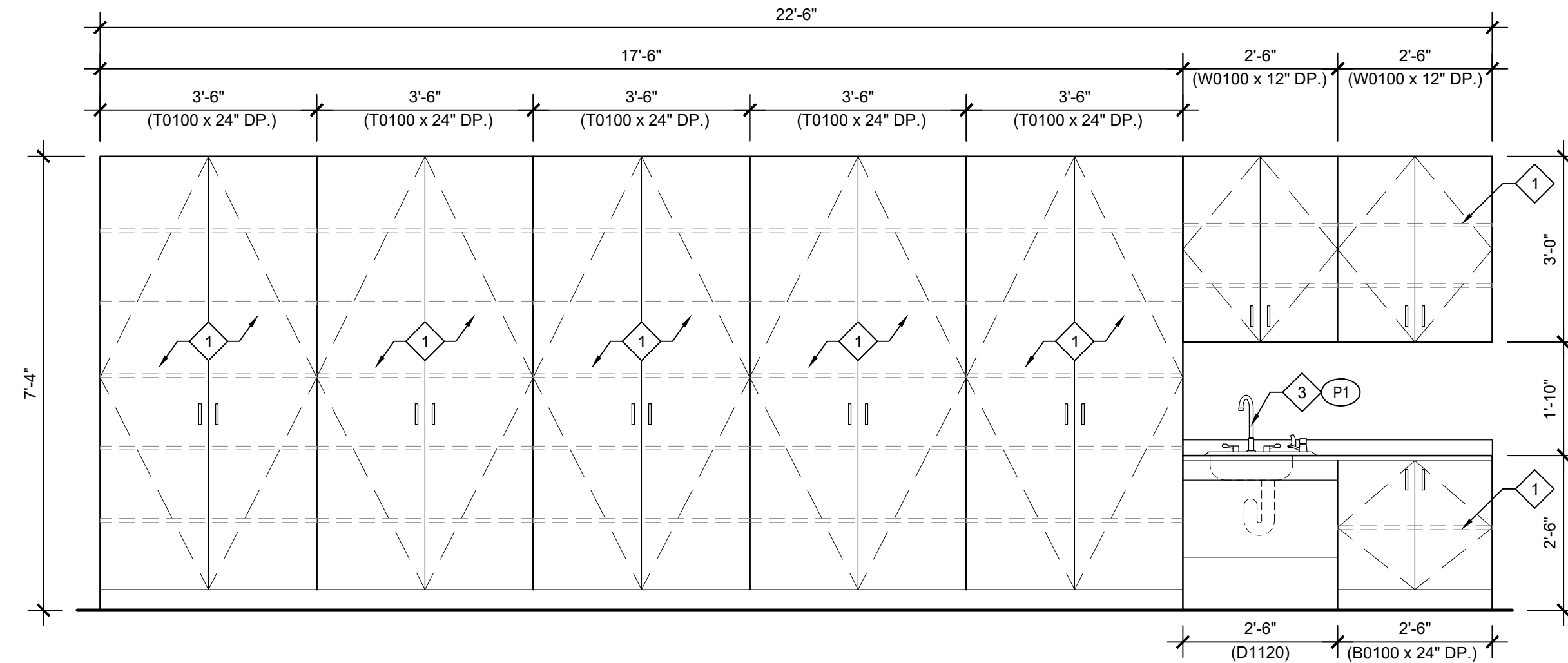
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A7.03 Casework Elev. 1/2" = 1'-0" ROOM 104



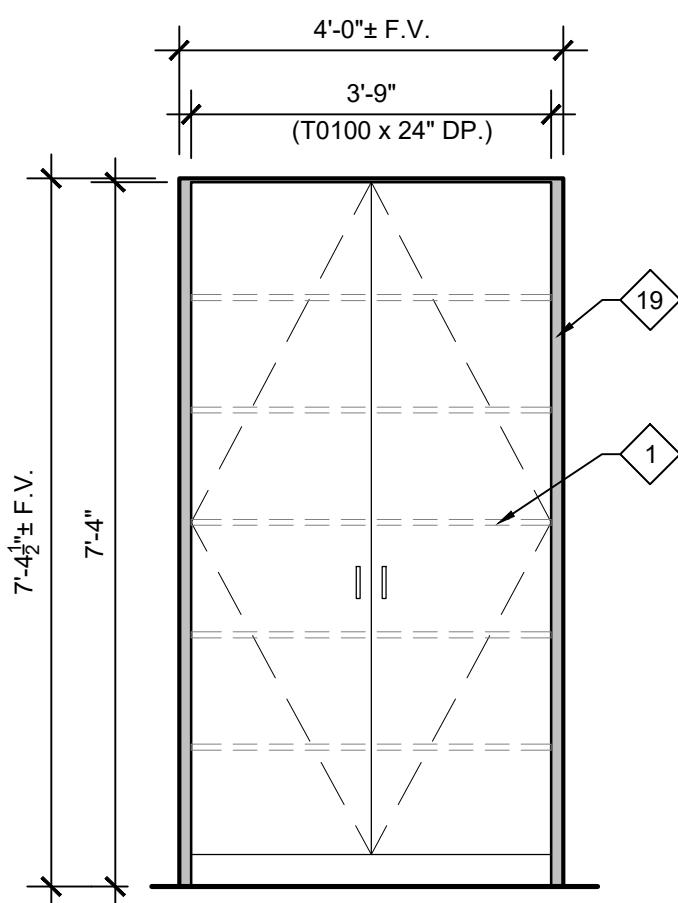
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A7.03 1/2" = 1'-0" ROOM 112



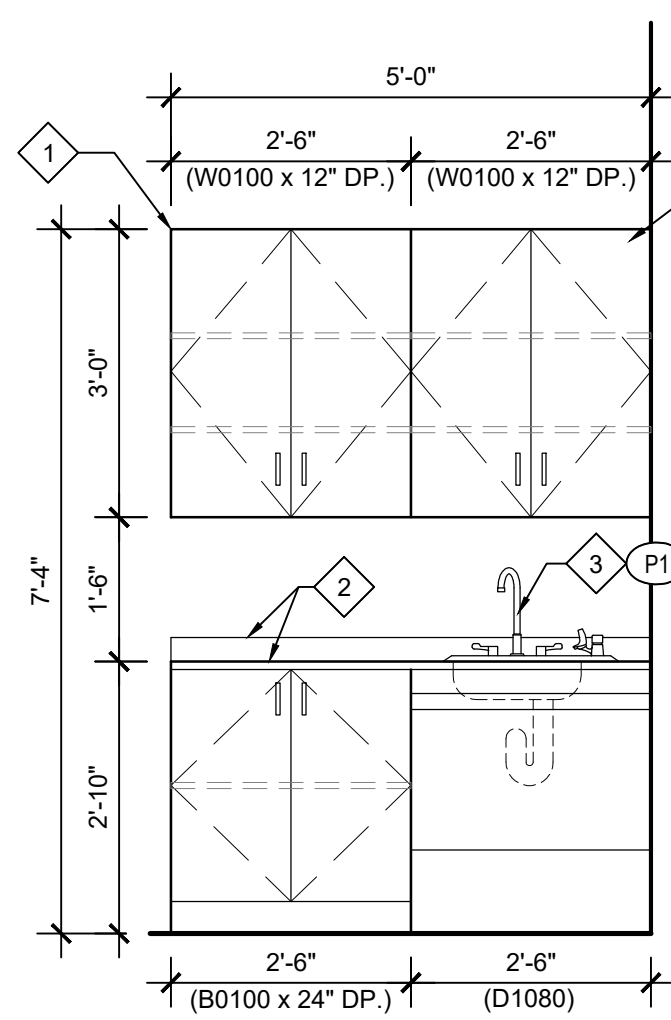
3 Casework Elev.
A7.03 1/2" = 1'-0" ROOM 310



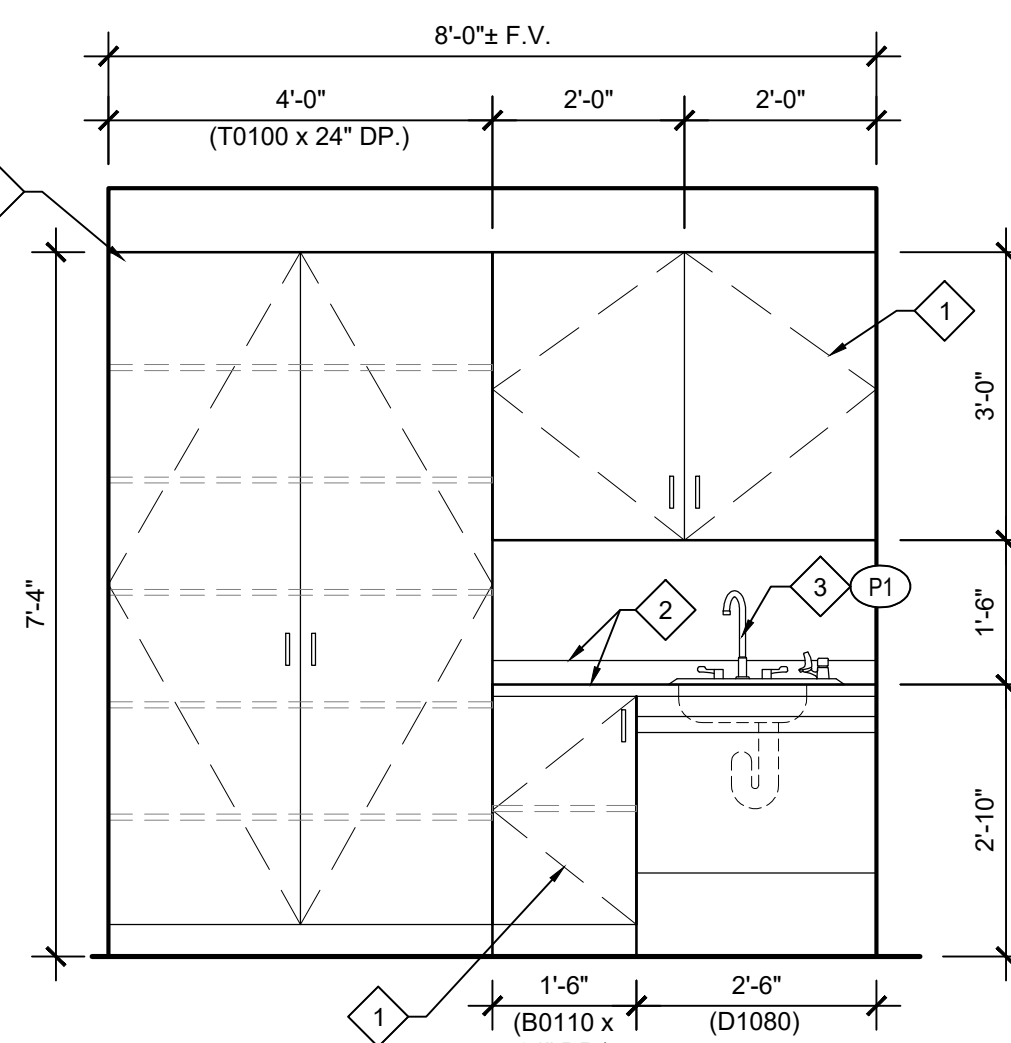
4 Casework Elevation
A7.03 1/2" = 1'-0" ROOM 114



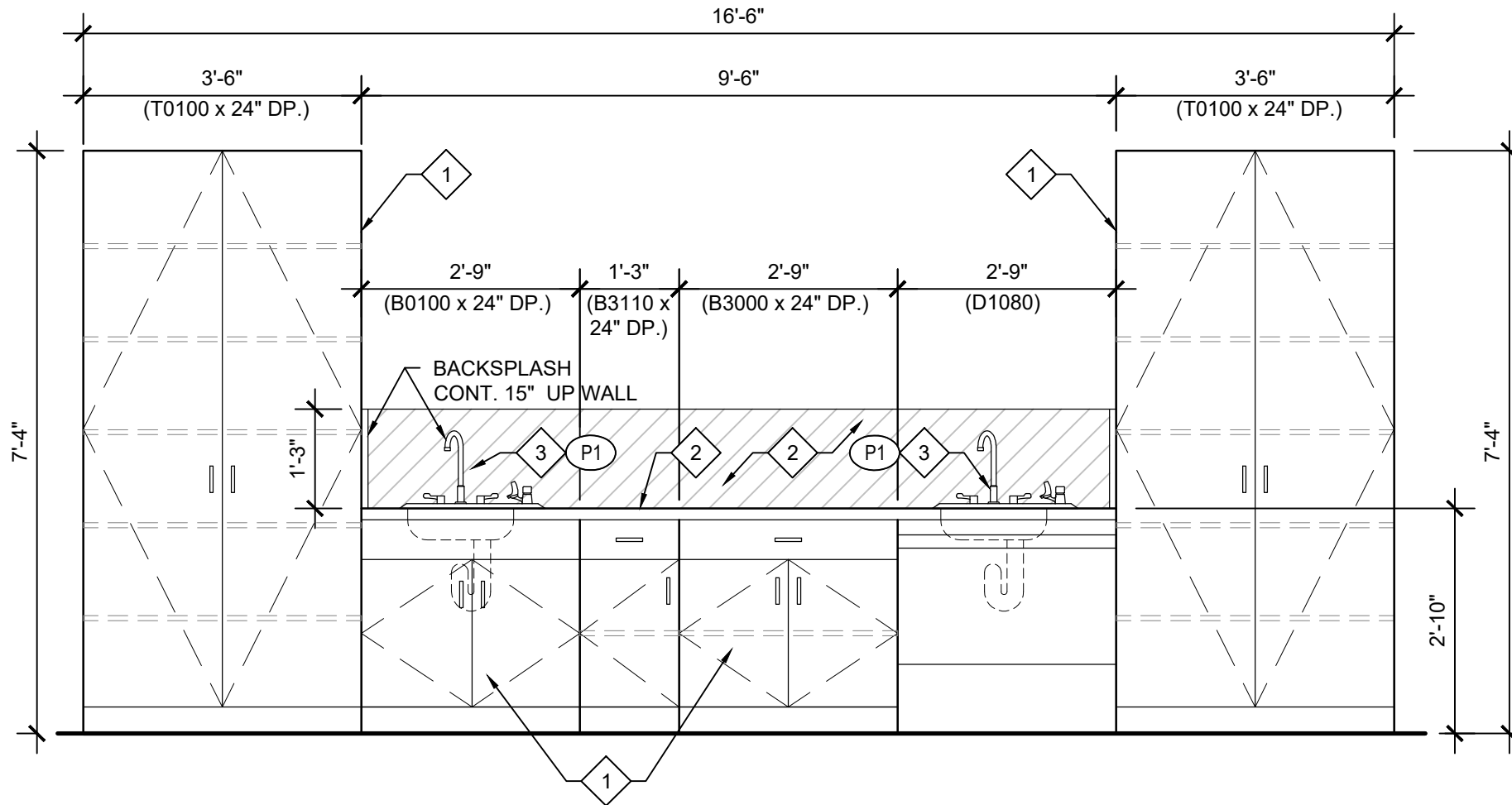
5 Casework Elev. 1/2" = 1'-0" ROOM 200



6 Casework Elev.
A7.03 1/2" = 1'-0" ROOM 200



7 Casework Elevation
A7.03 1/2" = 1'-0" ROOM 202



8 Casework Elevation
A7.03 1/2" = 1'-0" ROOM 204

- ### Interior Elevation Key Notes

 SYMBOL INDICATES
INT. ELEV. KEY NOTE

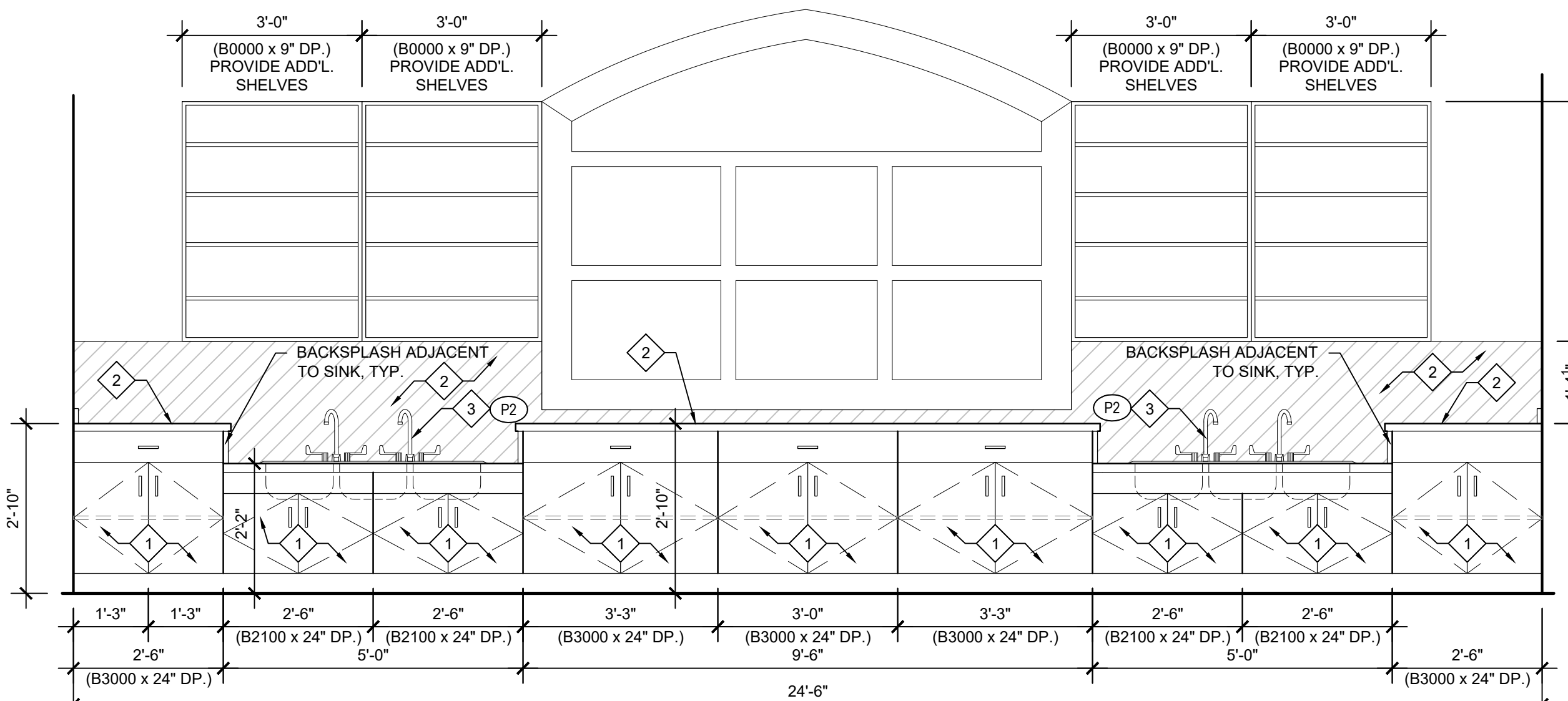
1. DISTRICT VENDOR TO PROVIDE AND INSTALL NEW HIGH PRESSURE LAMINATE CASEWORK.
2. DISTRICT VENDOR TO PROVIDE AND INSTALL NEW SOLID SURFACE COUNTER TOP WITH INTEGRAL 3" BACKSLASH. EXPANDED BACKSLASH IN SOME AREAS. REFER TO ELEVATIONS.
3. GC TO INSTALL NEW SINK INTO NEW COUNTER. PC TO PLUMB SINK AND ENSURE FULLY FUNCTIONAL OPERATION. SEE PLUMBING DRAWINGS.
4. **RESERVED**
5. GC TO INSTALL NEW VINYL FLOOR FINISH, PLYWOOD SUBFLOOR, ASSOCIATED ASSEMBLIES AND VINYL COVE BASE. GC IS NOT TO DISTURB THE EXISTING 2'X2' SUB FLOOR FRAMING SYSTEM SPACED 12" O.C., EXISTING 2'X3" SLEEPERS AND ADJACENT CINDER FILL. IF ANYTHING UNUSUAL NOTED OTHERWISE, REFER TO DETAIL 5/A8.30 FOR ADDITIONAL INFORMATION.
6. GC TO PRIME AND FINISH PAINT WALL SURFACE. SEE INTERIOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
7. GC TO REMOVE AND INSTALL NEW CEILING. SEE REFLECTED CEILING PLAN ON SHEETS A5.01-A5.04 FOR ADDITIONAL INFORMATION.
8. GC TO PROVIDE AND INSTALL NEW FINISH FLOORING. SEE FLOOR FINISH PLAN ON SHEETS A2.00-A2.25 AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9. GC TO INSTALL NEW VINYL WALL BASE. SEE INTERIOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
10. GC TO INSTALL NEW RAMP TO MEET ADA REQUIREMENTS WITH RUBBER FLOORING SURFACE. SEE FLOOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION. MAX RAMP SLOPE 1:12.
11. GC TO INSTALL NEW HANDRAIL. SEE PARTICULAR DETAILS ON DRAWING A4.03 FOR ADDITIONAL INFORMATION.
12. GC TO INSTALL NEW WINDOWS IN EXTERIOR WALL. SEE WINDOW SCHEDULE, TYPES, AND DETAILS ON SHEET A6.10 FOR ADDITIONAL INFORMATION.
13. GC TO PROVIDE AND INSTALL REFLECTED CEILING SUSPENDED CEILING. SEE PROPOSED REFLECTED CEILING PLANS AND SPECIFICATIONS.
14. MC TO PROVIDE AND INSTALL NEW CABINET HEATERS AND METAL COVERS TO CONCEAL PIPING. SEE PROPOSED MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
15. GC TO PROVIDE AND INSTALL NEW PORCELAIN TILE WAINSCOTING WITH TILE BASE AND BULLNOSE CAP. SEE SECTIONS, INTERIOR ELEVATIONS AND SPECIFICATION FOR ADDITIONAL INFORMATION.
16. GC TO PROVIDE AND INSTALL NEW 6" W x 72" L ALUMINUM LOUVER IN NEW COUNTER TO VENT HVAC UNIT BEHIND CASEWORK. ALUMINUM SHALL BE KYNAR FINISH, COLOR PER OWNER'S SELECTION. SEE CASEWORK SECTIONS FOR ADDITIONAL INFORMATION.
17. GC TO PROVIDE AND INSTALL NEW 4" ALUMINUM TOE-KICK LOUVER TO VENT HVAC UNIT BEHIND CASEWORK. ALUMINUM SHALL BE KYNAR FINISH, COLOR PER OWNER'S SELECTION. SEE CASEWORK SECTIONS FOR ADDITIONAL INFORMATION.
18. GC TO PROVIDE AND INSTALL NEW INTERIOR DOORS. SEE DOOR SCHEDULE ON DRAWING A4.01 FOR ADDITIONAL INFORMATION.
19. GC TO INSTALL CASEWORK FILLER PANELS. SIZE TO FILL OPENING. FILLER PANEL SHALL MATCH ADJACENT CASEWORK UNLESS OTHERWISE NOTED.

CASEWORK DESIGN NOTE:
CASEWORK MODEL NUMBERS REFER TO 'CASE SYSTEMS INC.' FOR REPRESENTATION OF INTENT OF DESIGN ONLY. THIS DOES NOT PRECLUDE THE USE OF OTHER MANUFACTURERS THAT ARE SUBMITTED AND FOUND TO BE EQUAL. PRE-APPROVED EQUAL MANUFACTURERS CAN BE FOUND IN THE SPECIFICATIONS.

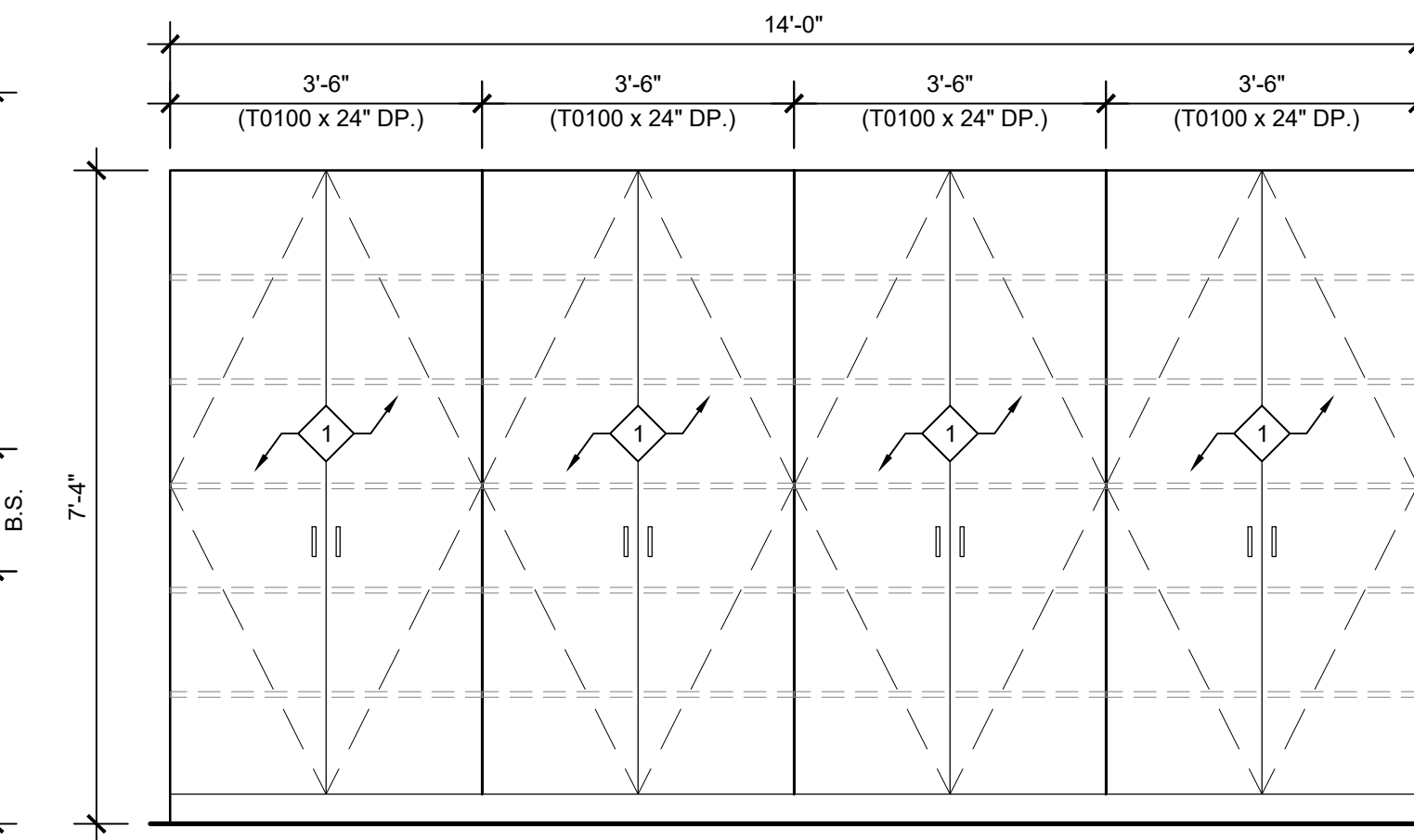
CASEWORK NOTE:
ALL EXPOSED CASEWORK ENDS SHALL BE PROVIDED WITH FINISH END PANELS TO MATCH FINISH OF CABINETS, TYPICAL.

(X) REFER TO PLUMBING
DRAWING FOR FIXTURE
SELECTION

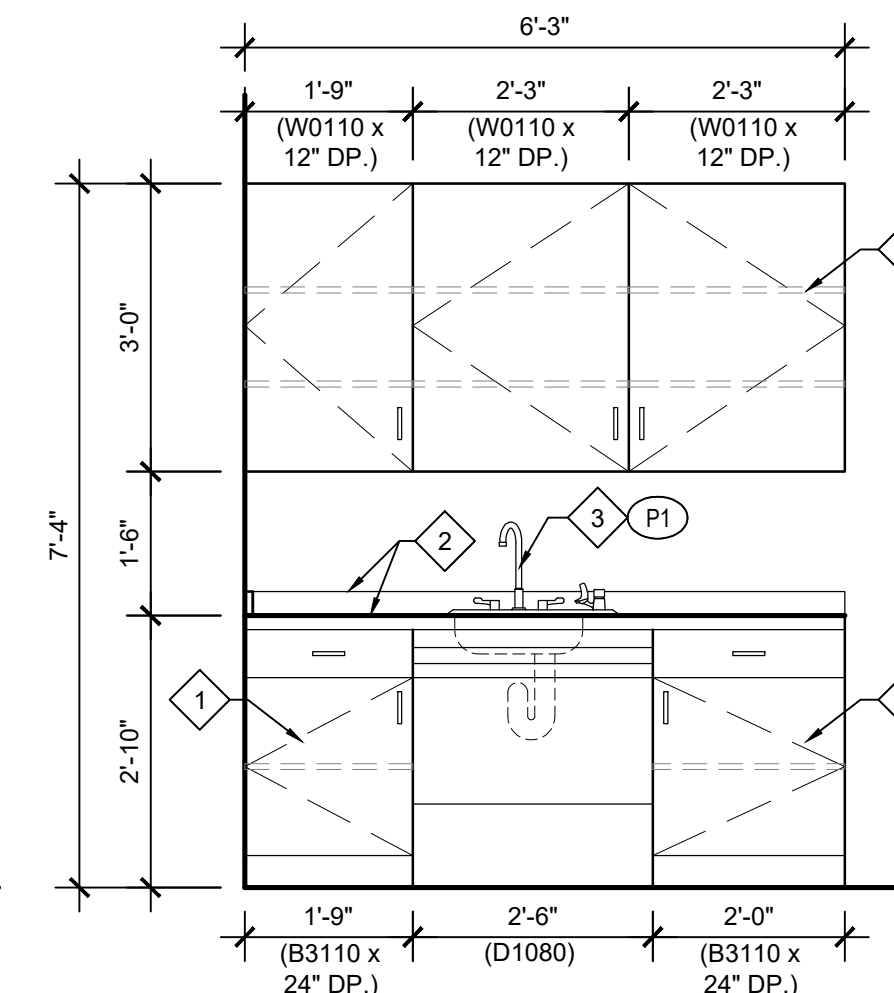
PAINTING NOTE:
WHERE IT IS INDICATED TO PRIME
AND PAINT, IT SHALL REQUIRE (1)
PRIMER COAT & (2) FINISH COATS.
COLOR TO BE SELECTED BY
OWNER.



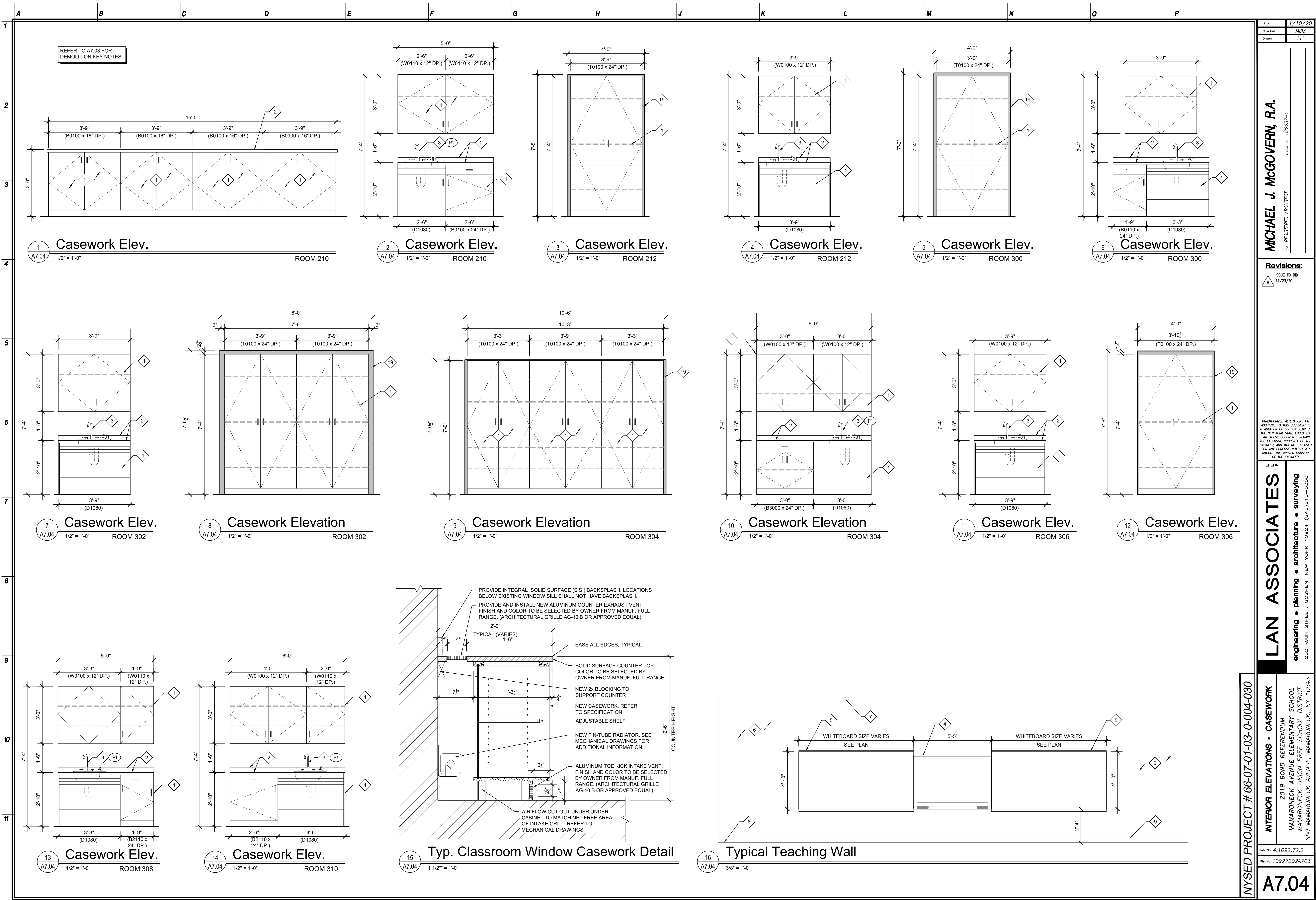
9 Casework Elevation
A7.03 1/2" = 1'-0" ROOM 204

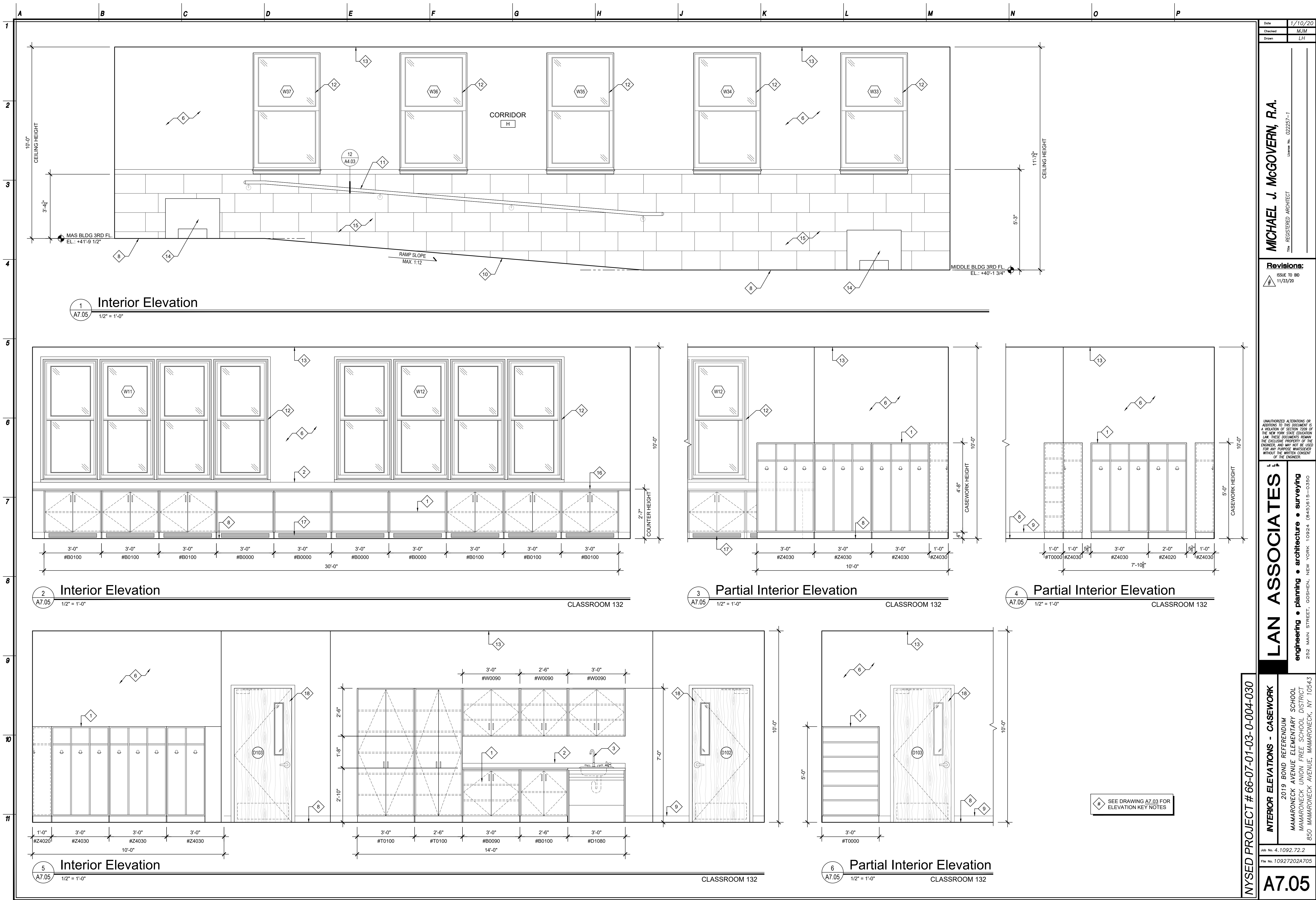



Casework Elevation
ROOM 206



11
A7.03





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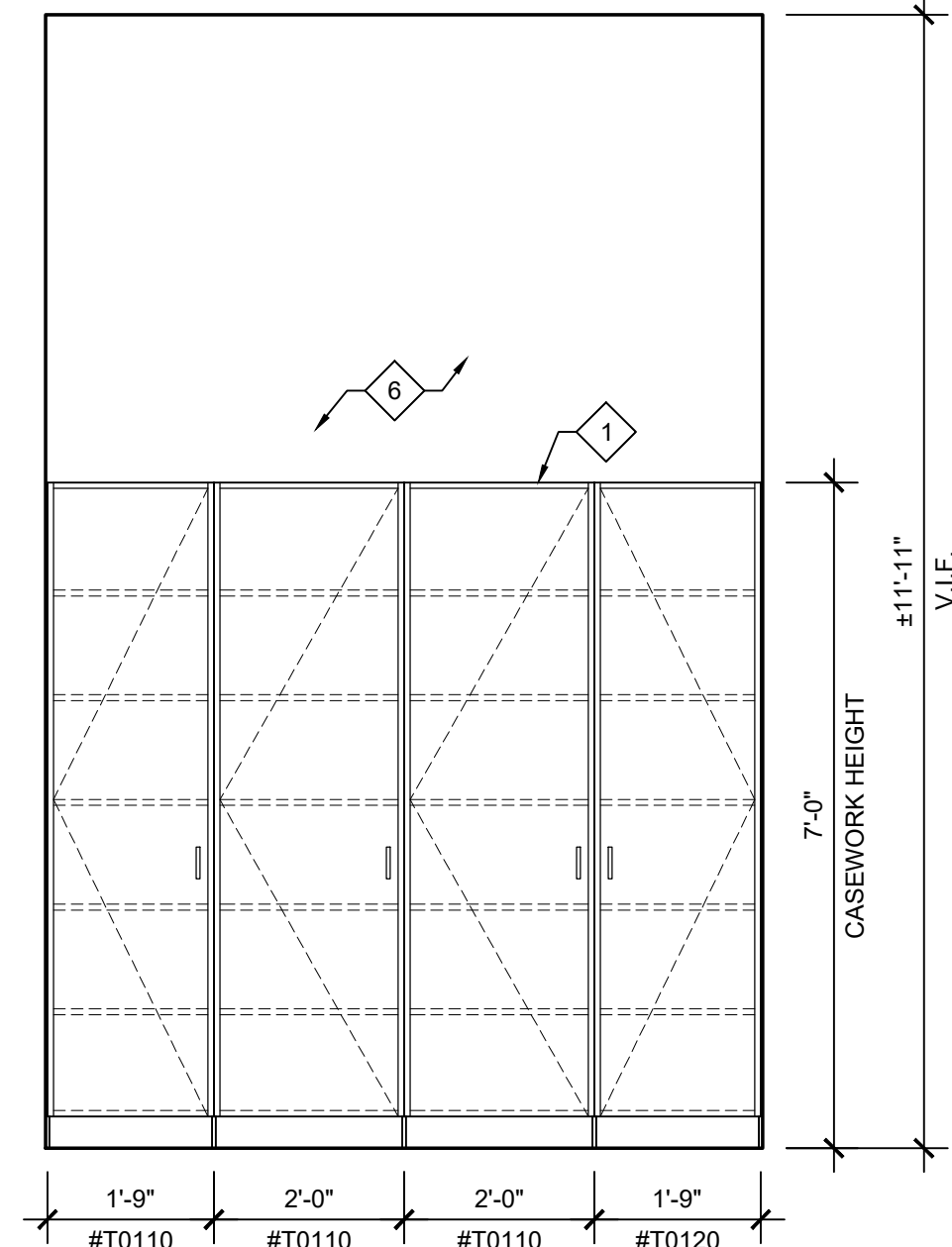
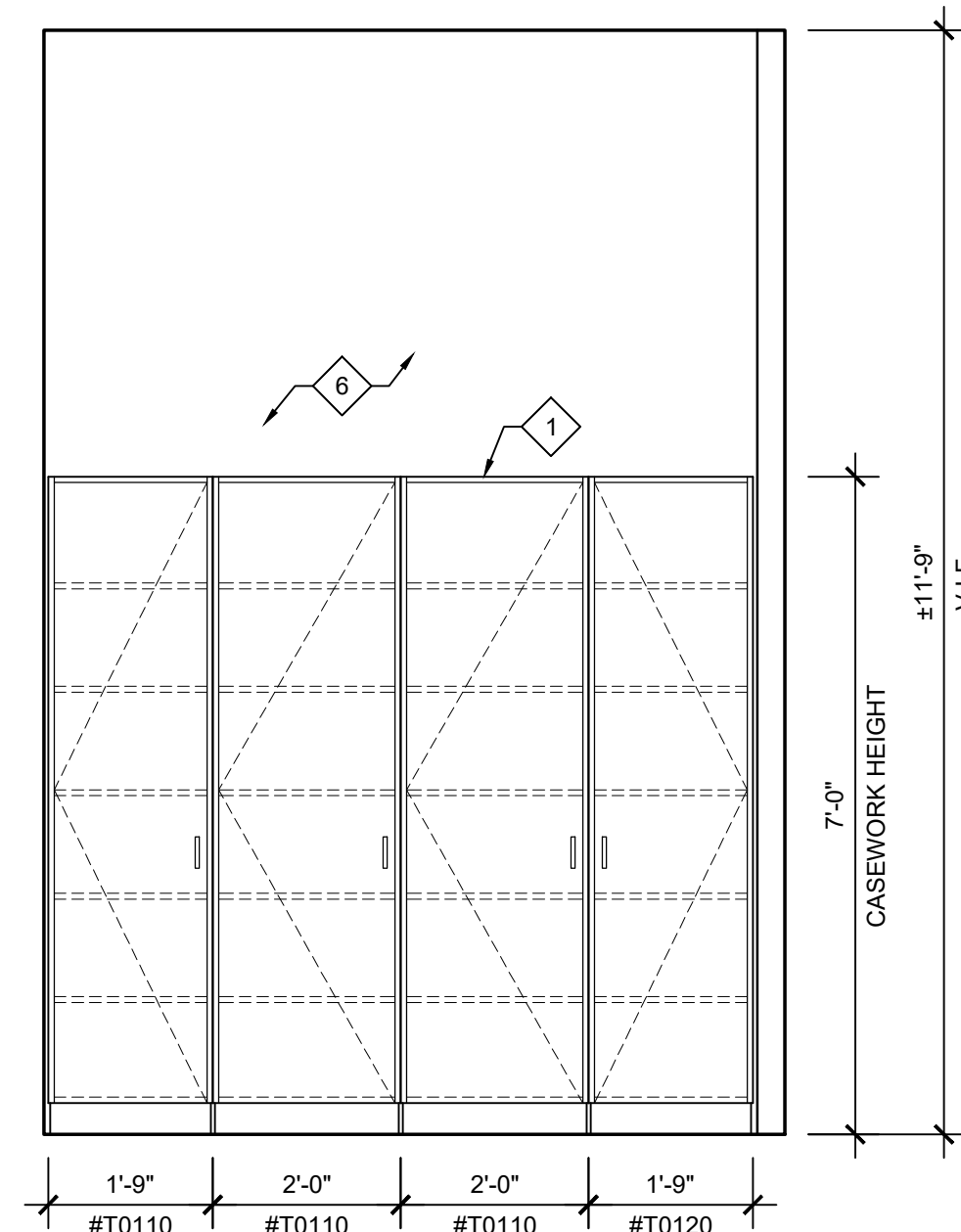
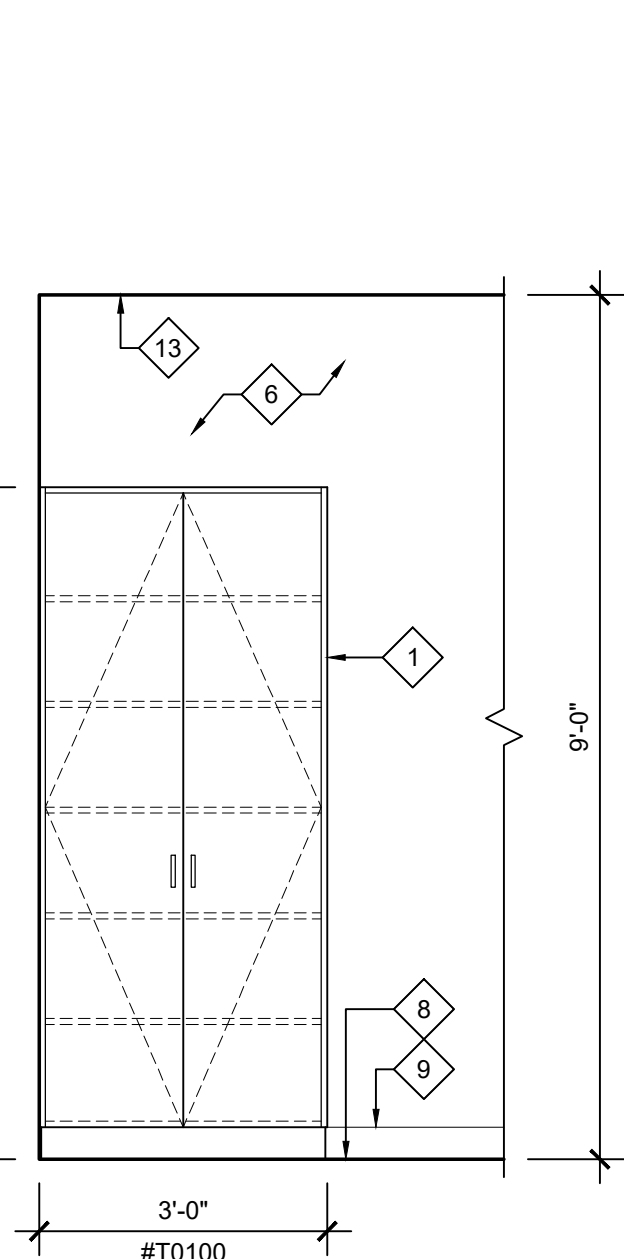
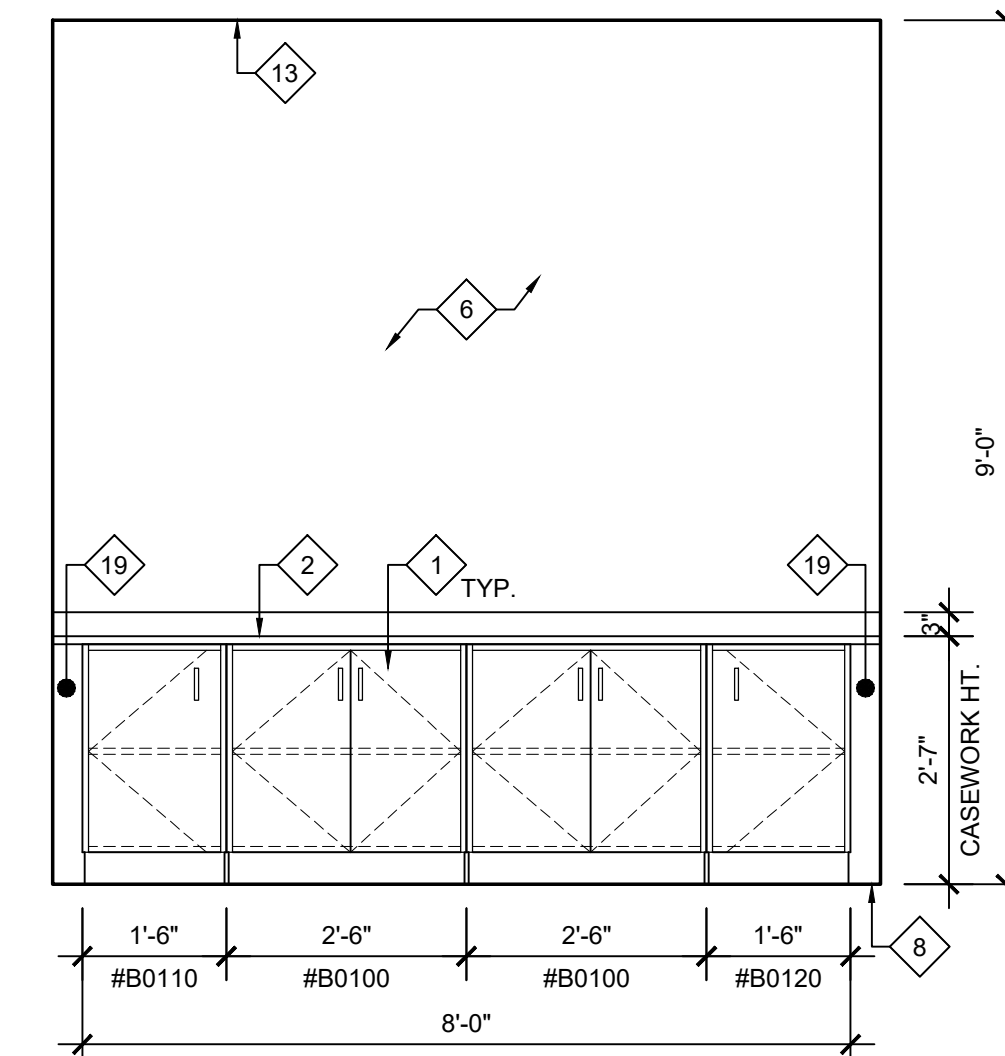
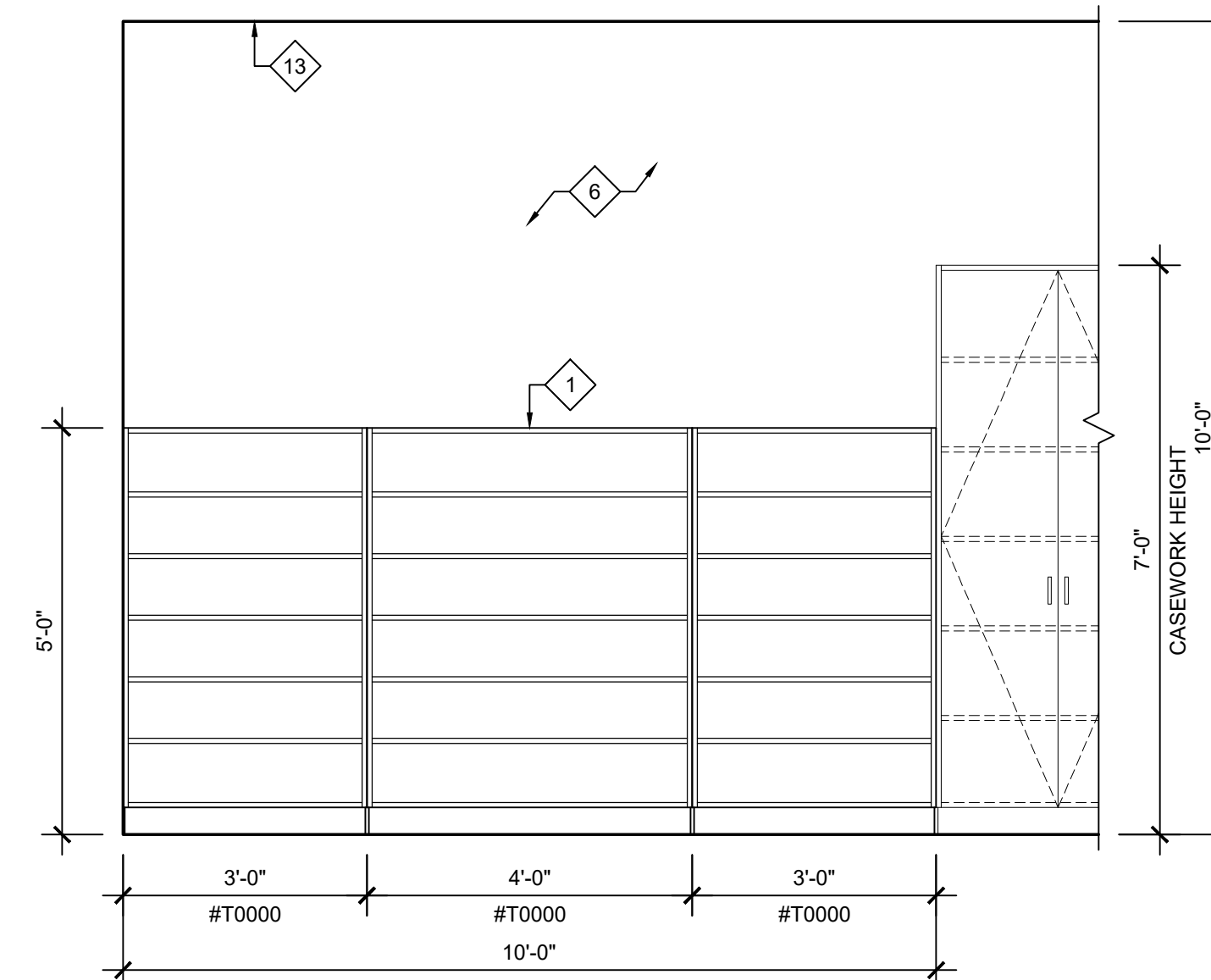
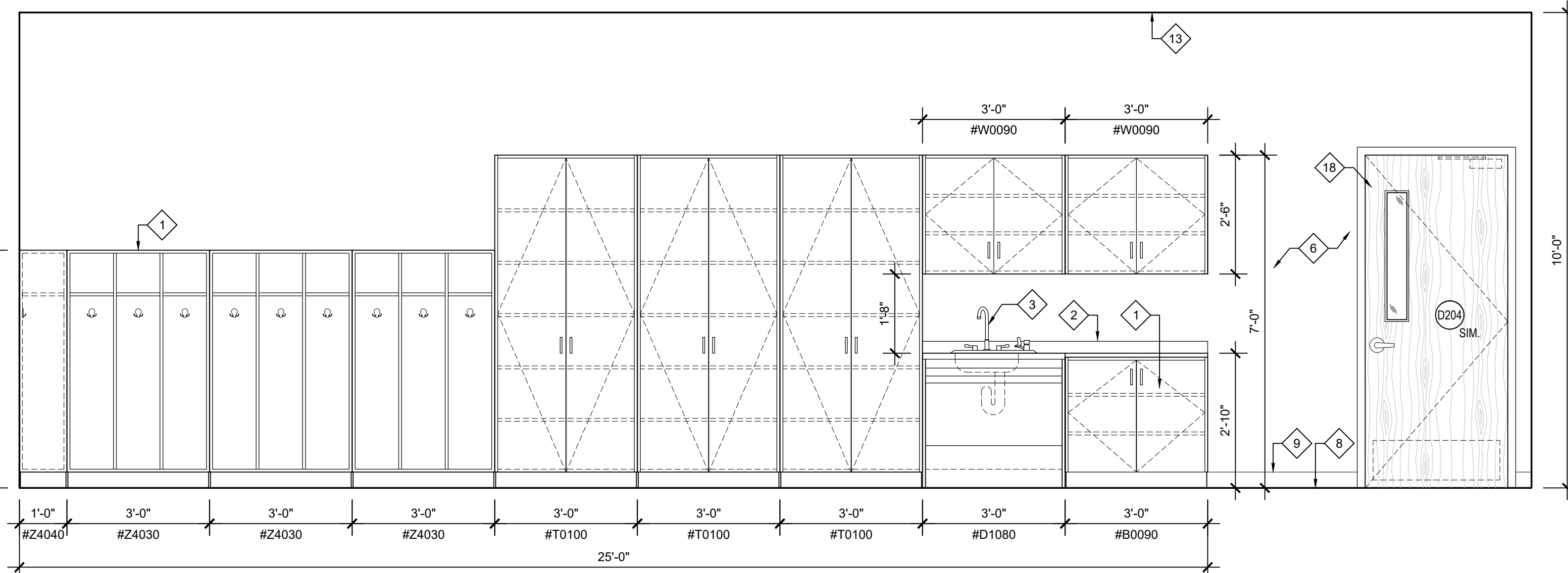
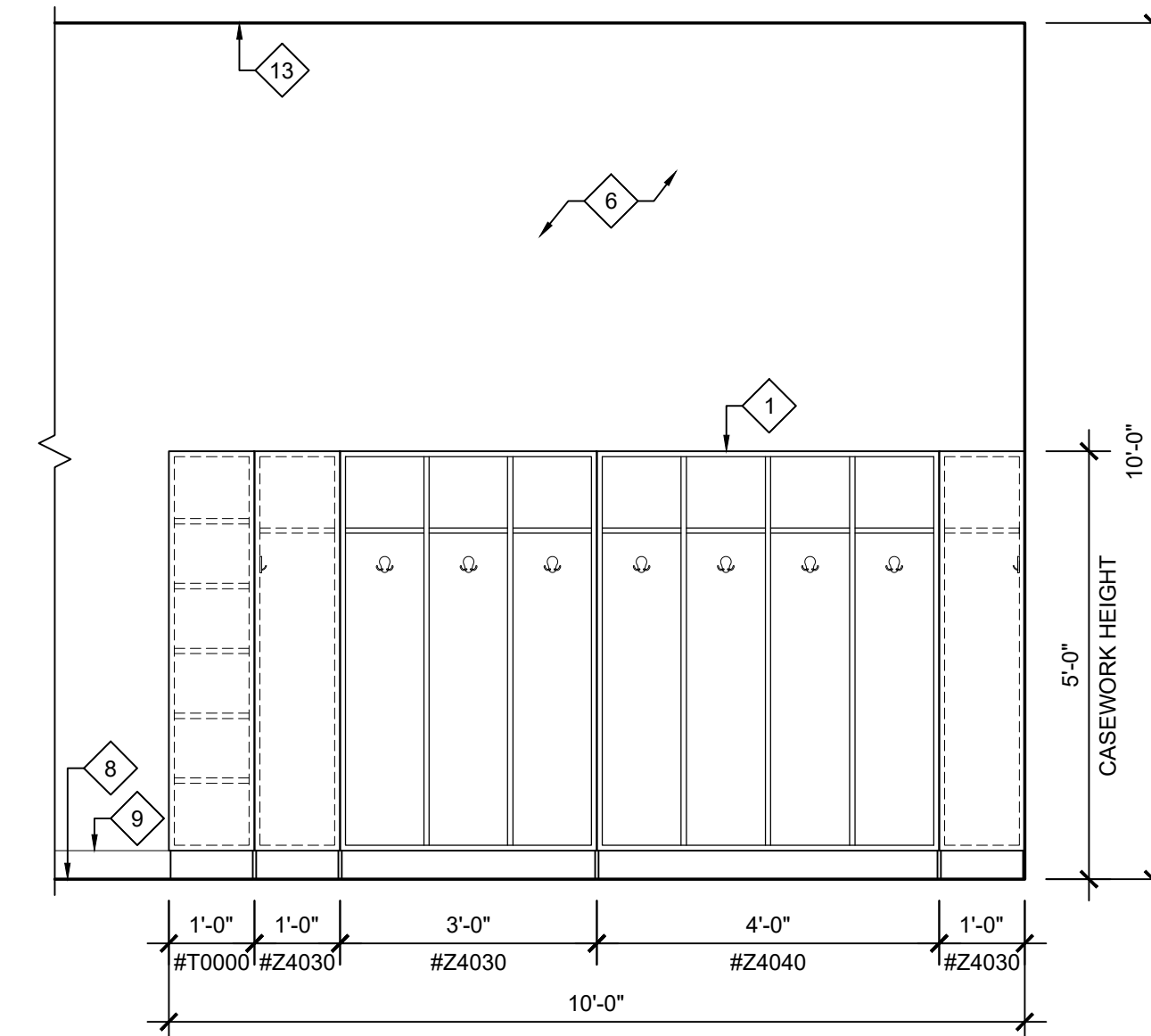
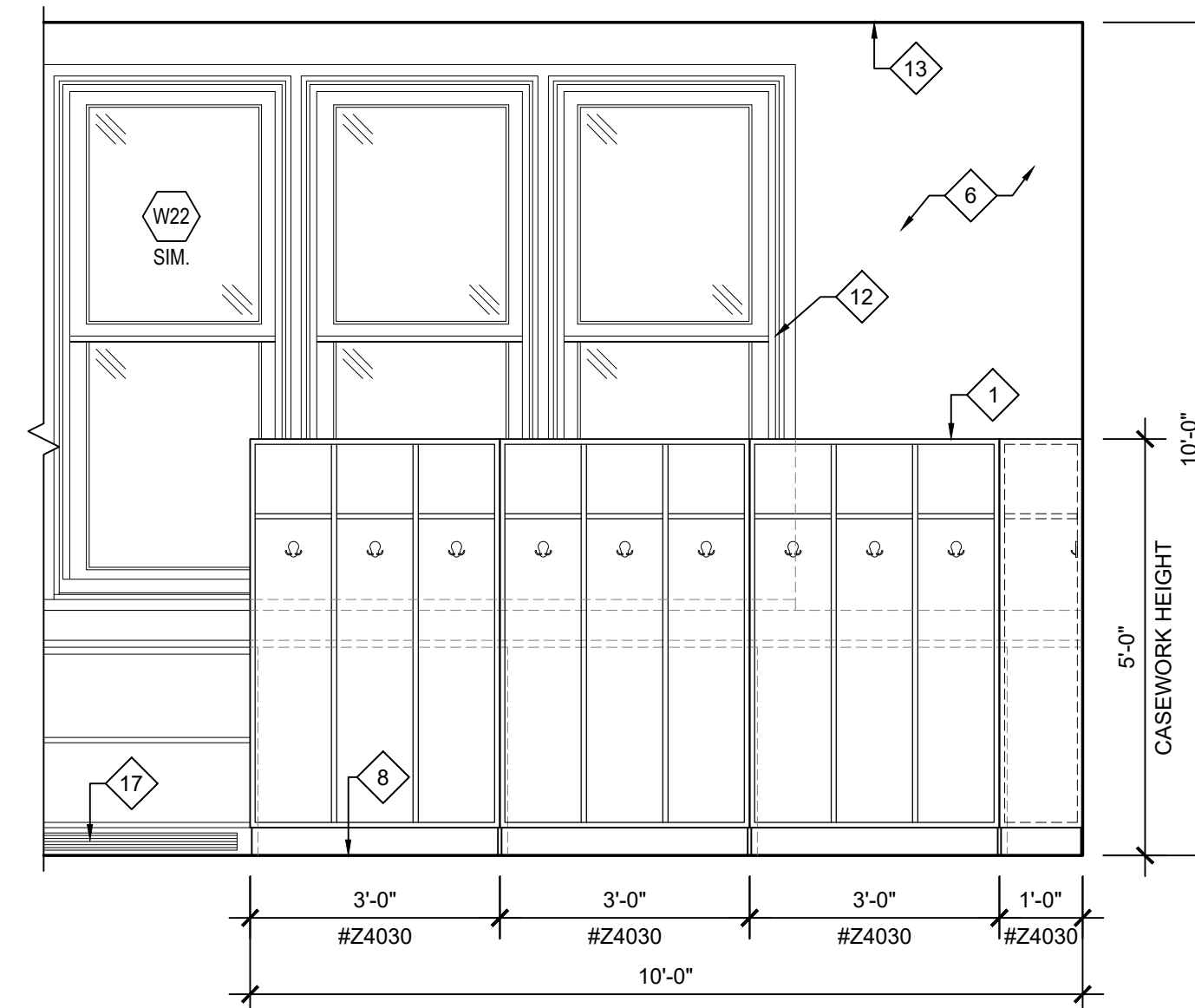
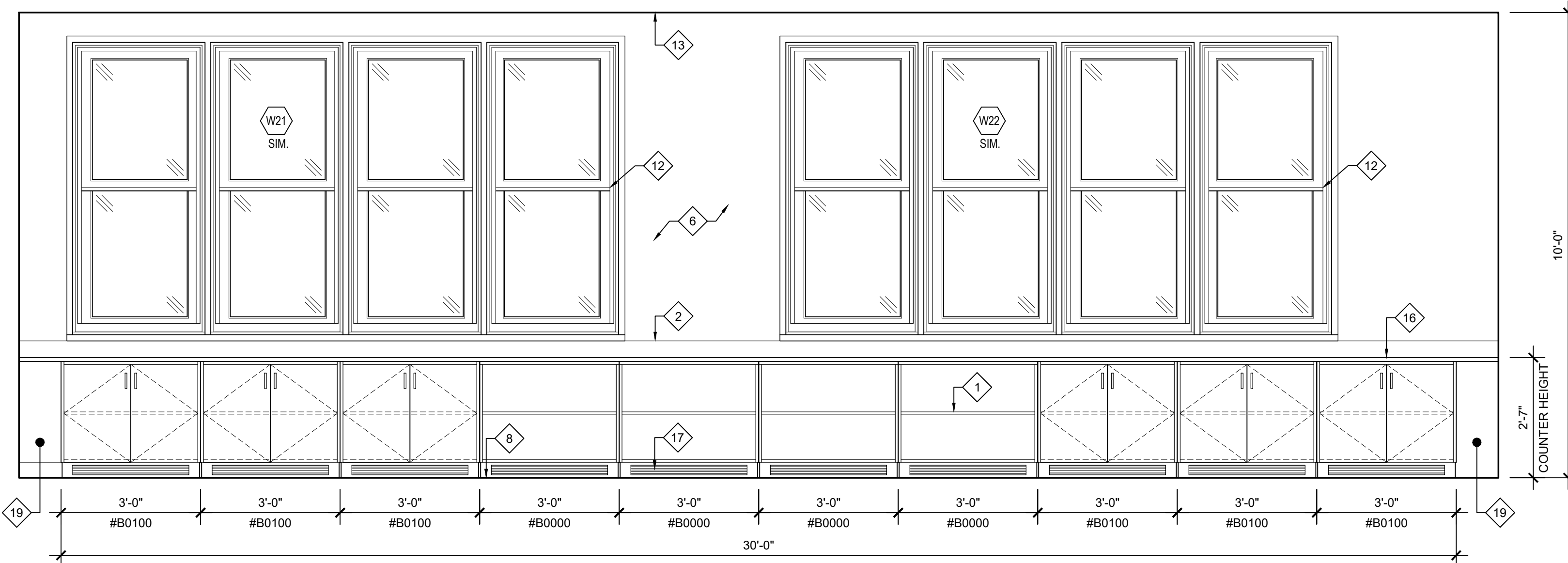
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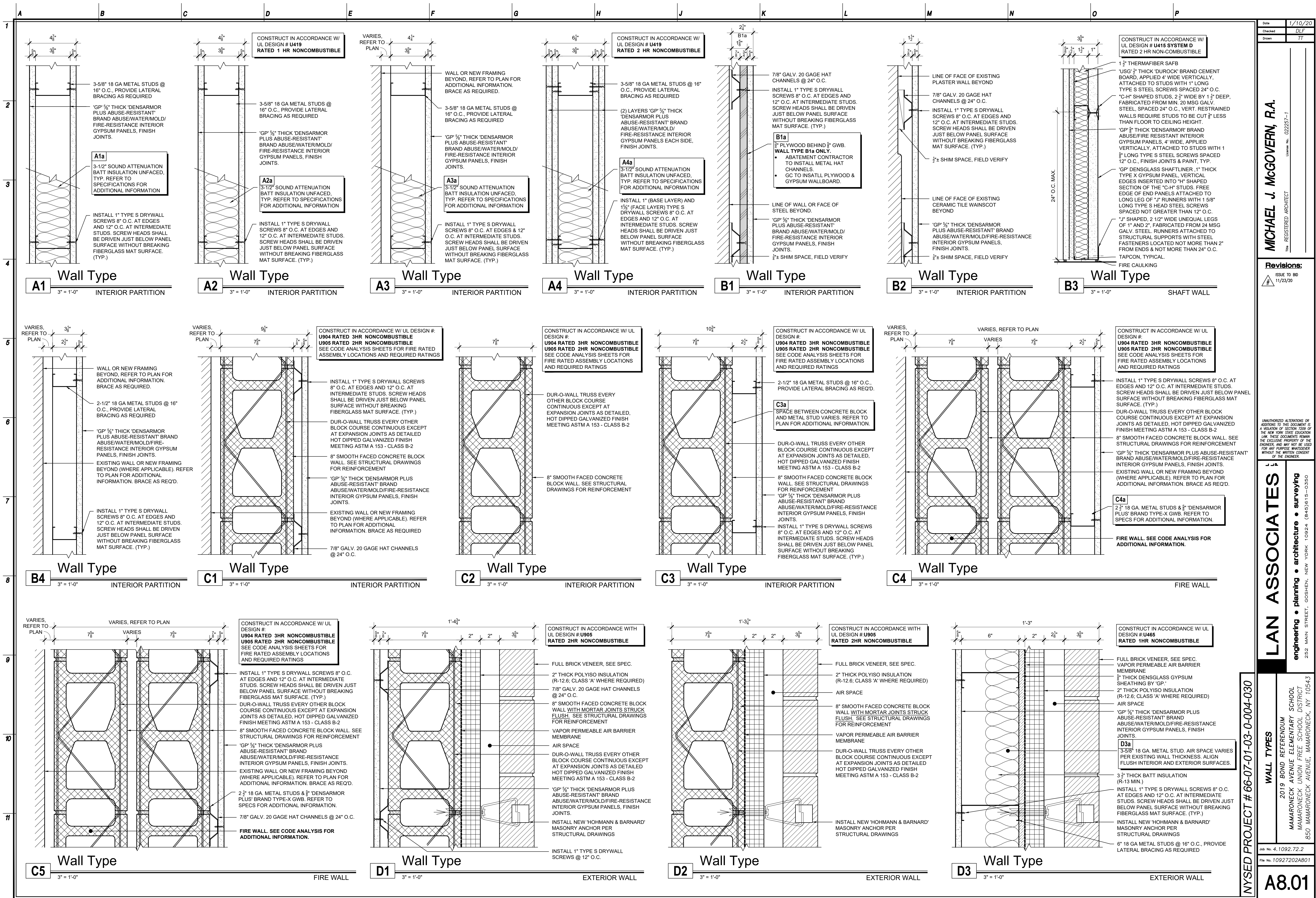
INTERIOR ELEVATIONS - CASEWORK
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2
File No. 10927202A705

A7.05



SEE DRAWING A7.03 FOR
ELEVATION KEY NOTES



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WALL TYPES
2019 BOND REFERENDUM
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MAMARONECK UNION FREE SCHOOL DISTRICT
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NYSED PROJECT # 66-07-01-03-0-004-030

A8.01

6	<p>Underwriters Laboratories, Inc. to UL 1479 and CANULC-S115</p>	<p>L Rating At Ambient — 4 CFM/Sq Ft L Rating At 400 F — Less Than 1 CFM/Sq Ft</p>		<p>F Ratings — 1 and 2 Hr (See Item 1) FT Rating — 0 Hr FH Ratings — 1 and 2 Hr (See Item 1) FTH Rating — 0 Hr</p>
7				
8	<p>Underwriters Laboratories, Inc. to UL 1479 and CANULC-S115</p>	<p>F Ratings — 1 and 2 Hr (See Item 1) FT Rating — 0 Hr FH Ratings — 1 and 2 Hr (See Item 1) FTH Rating — 0 Hr</p>		<p>F Ratings — 1 and 2 Hr (See Item 1) FT Rating — 0 Hr FH Ratings — 1 and 2 Hr (See Item 1) FTH Rating — 0 Hr</p>
9				
10	<p>Underwriters Laboratories, Inc. to UL 1479 and CANULC-S115</p>	<p>F Ratings — 1 and 2 Hr (See Item 1) FT Rating — 0 Hr FH Ratings — 1 and 2 Hr (See Item 1) FTH Rating — 0 Hr</p>		<p>F Ratings — 1 and 2 Hr (See Item 1) FT Rating — 0 Hr FH Ratings — 1 and 2 Hr (See Item 1) FTH Rating — 0 Hr</p>
11	<p>Underwriters Laboratories, Inc. to UL 1479 and CANULC-S115</p>	<p>F Ratings — 1 and 2 Hr (See Item 1) FT Rating — 0 Hr FH Ratings — 1 and 2 Hr (See Item 1) FTH Rating — 0 Hr</p>		<p>F Ratings — 1 and 2 Hr (See Item 1) FT Rating — 0 Hr FH Ratings — 1 and 2 Hr (See Item 1) FTH Rating — 0 Hr</p>

<div> <div>CLASSIFIED</div> <div>UL</div> <div>US</div> </div> <p> Certified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115 </p>	<div> <div>K</div> <div>System No. W-L-8013</div> </div> <table> <tr> <th>ANSI/UL1479 (ASTM E814)</th> <th>CAN/ULC S115</th> </tr> <tr> <td>F Ratings — 1 and 2 Hr (See Item 1)</td> <td>F Ratings — 1 and 2 Hr (See Item 1)</td> </tr> <tr> <td>T Rating — 0 Hr</td> <td>FT Rating — 0 Hr</td> </tr> <tr> <td>L Rating At Ambient — 5 CFM/sq ft</td> <td>FH Ratings — 1 and 2 Hr (See Item 1)</td> </tr> <tr> <td>L Rating At 400 F — 2 CFM/sq ft</td> <td>FTH Rating — 0 Hr</td> </tr> <tr> <td></td> <td>L Rating At Ambient — 5 CFM/sq ft</td> </tr> <tr> <td></td> <td>L Rating At 400 F — 2 CFM/sq ft</td> </tr> </table> <p>System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.</p> <ol style="list-style-type: none"> <p>Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:</p> <ol style="list-style-type: none"> Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Additional studs installed to completely frame the opening. Gypsum Board — 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max area of opening is 352 sq in. (2271 sq cm) with max dimension of 22 in. (559 mm) wide. <p>The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.</p> <p>Cable Tray — Max 18 in. (457 mm) wide by max 6 in. (152 mm) deep open-ladder or solid-back cable tray with channel-shaped side rails formed of 0.065 in. (1.65 mm) thick aluminum or 0.060 in. (1.52 mm) thick steel and with 1-1/2 in. (38 mm) wide by 1 in. (25 mm) channel shape rungs spaced 9 in. (229 mm) OC or a 0.029 in. (0.74 mm) thick steel solid back, respectively. One cable tray to be installed in the opening. The max annular space between the cable tray and the periphery of the opening shall be min 1 in. (25 mm) to max 7 in. (178 mm). Cable tray to be rigidly supported on both sides of floor or wall assembly.</p> <p>Cables — Aggregate cross-sectional area of cables in wall tray to be max 30 percent of the cross-sectional area of the cable tray. Any combination of the following types and sizes of copper conductor cables may be used:</p> <ol style="list-style-type: none"> 7/16 No. 12 AWG with polyvinyl chloride (PVC) insulation and PVC jacket. 100 pair — No. 24 AWG cable with PVC insulation and jacket. 1C, 750 kcmil (or smaller) with PVC insulation and jacket. <p>Through-Penetrants — One or more pipe or tube to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces and the spacings between the pipes are maintained. The space between the pipe or tube and the periphery of the opening shall be min 1-1/2 in. (38 mm) to max 9-1/4 in. (235 mm). Pipe or tube to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of non-metallic or metallic pipes, or tubes may be used:</p> <ol style="list-style-type: none"> Polyvinyl Chloride (PVC) Pipe — Max 3 in. (76 mm) diam Schedule 40 solid core PVC pipe (or smaller) for use in closed (process or supply) or vented (drain, waste or vent) piping system. Steel Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe. Copper Tube — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tube. <p>Pipe Covering — (Not Shown) Nom 1-1/2 in. (38 mm) thick hollow cylindrical heavy density (min 3.5 pcf) (56kg/m³) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape applied with the product.</p> <p>See Pipe and Equipment Covering and Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 may be used.</p> <p>Cables — Max 1-1/2 in. (38 mm) diam tight bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The space between the cables and periphery of the opening shall range from 1-3/16 in. (30.2 mm) min to a max of 1-1/2 in. (38 mm). Any combination of the following types and sizes of cables may be used:</p> <ol style="list-style-type: none"> 7/16 No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket. 25 pair — No. 24 AWG cable with PVC insulation and jacket. C Type R GLUS9 coaxial cable with PVC outer jacket. 24 fiber optic cable with PVC sub unit and outer jacket. <p>Firestop System — The firestop system shall consist of the following:</p> <ol style="list-style-type: none"> Fill Void or Cavity Material — Fire Blocks For walls incorporating max 3-5/8 in. (92 mm) steel studs or max 2 (51 mm) by 4 in. (102 mm) wood studs, fire block installed with 5 in. (127 mm) dimension projecting through and centered in opening. For walls constructed of large steel or wood studs, fire block installed with long dimension passing through and centered in opening. Blocks may or may not be cut flush with both surfaces of wall. When multiple layers of gypsum board are used, blocks may be recessed 1/2 in. (13 mm) from surface of wall. Blocks to be firmly packed in opening. Either one or a combination of the block types specified below may be used. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. — FS 657 Fire Block or CFS-BL Firestop Block Hilfi, Void or Cavity Material — Sealant or Putty - Fill material to be forced into interstices of cables, between cables and cable trays, around each penetrant and into voids. Visibly observed to max extent possible on both surfaces of the penetration. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. — FS-One Sealant, FS-ONE MAX Intumescent Sealant, CP 618 Putty Stick or CP620 Fire Foam 	ANSI/UL1479 (ASTM E814)	CAN/ULC S115	F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)	T Rating — 0 Hr	FT Rating — 0 Hr	L Rating At Ambient — 5 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)	L Rating At 400 F — 2 CFM/sq ft	FTH Rating — 0 Hr		L Rating At Ambient — 5 CFM/sq ft		L Rating At 400 F — 2 CFM/sq ft	<div> <div>L</div> </div>
ANSI/UL1479 (ASTM E814)	CAN/ULC S115															
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)															
T Rating — 0 Hr	FT Rating — 0 Hr															
L Rating At Ambient — 5 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)															
L Rating At 400 F — 2 CFM/sq ft	FTH Rating — 0 Hr															
	L Rating At Ambient — 5 CFM/sq ft															
	L Rating At 400 F — 2 CFM/sq ft															

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System No. C-AJ-6017

F Rating - 3 Hr.

T Rating = 0 Hr.


1. Floor or Wall Assembly: Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max area of opening is 224 square in. with max dimension of 28 in.
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Busway+ Nominal 26 in. wide (or smaller) by 6 in. deep "I" shaped steel enclosure containing factory mounted aluminum bars rated for 600 V, 4000 A. One busway to be installed within the opening, the annular space between the flange tip of the busway and the periphery of the opening shall be 1 in. The annular space between the web of the busway and the periphery of the opening shall be 2 in. Busway to be rigidly supported on both sides of floor and wall assembly. The busway shall bear the UL Listing Mark and shall be installed in accordance with all provisions of Article 364 of the National Electrical Code, NFPA No. 70.
3. Firestop System The firestop system shall consist of the following:
 - A. Packing Material Min 3-1/2 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
 - B. Fill, Void or Cavities Material - Sealant Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-ONE Sealant

+Bearing the UL Listing Mark *Bearing UL Classification Mark

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CLASSIFIED



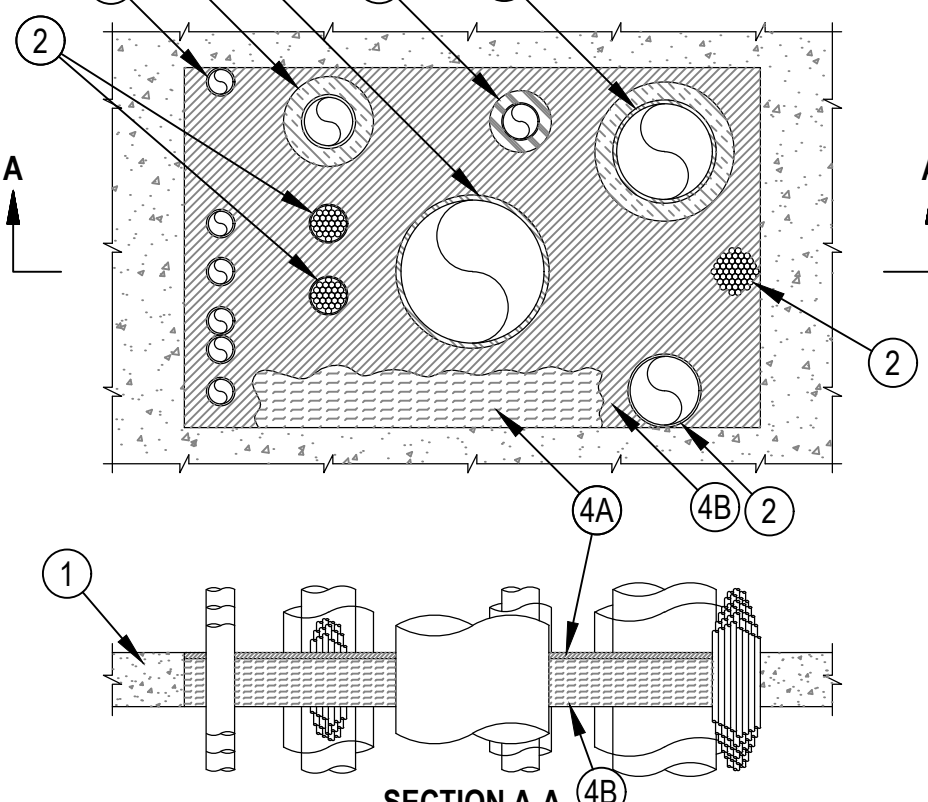
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CANULC-S1515

System No. C-AJ-8143
F Rating -- 2 Hr
T Rating -- 0 Hr

N

O

P



SECTION A-A

- Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete floor. Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max size of opening is 1440 in 2 (9,290 cm²) with a max dimension of 48 in. (1219 mm).
- See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Through-Penetrant — One cable tray and one or more pipes, tubes or cable bundles may be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and the types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces are maintained. The annular space between cable tray and all other penetrants shall be min 3 in. (76 mm). The annular space between individual cables and cable bundles shall be a min 1/2 in. (13 mm). The annular space between individual cables and cable bundles and other penetrants shall be a min 1/2 in. (13 mm) except that a min 2 in. (51 mm) shall be maintained between the cables and copper pipes and tubes greater than a nom 3 in. (76 mm) diam and steel and iron pipes and conduits greater than a nom 4 in. (102 mm) diam. The annular space between metallic pipes, conduit and tubes and insulated pipes and tubes shall be a min 2 in. (51 mm). The annular space between nom 3 in (76mm) diam (and smaller) copper pipes and tubes and between nom 4 in (102mm) diam (and smaller) steel and iron pipes and conduits shall be min 1/2 in. (13 mm). The annular space between nom 2 in. (51 mm) diam (and smaller) metallic pipes and conduits shall be min 0 in. (point contact). The annular space between insulated penetrants or the cable tray and the periphery of opening shall be min 1/2 in. (13 mm). The annular space between all other penetrants and the periphery of opening shall be min 0 in. (point contact). A max annular space in the system shall be 12 in. (305 mm). Penetrants to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of penetrants may be used:
 - Metallic Pipes — The following types of metallic pipes, tubes or conduits may be used:
 - Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tube.
 - Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - Steel Pipe — Nom 24 in. (610 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
 - Iron Pipe — Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe.
 - Conduit — Nom 4 in. (102 mm) diam (or smaller) electric metallic tubing (EMT) or nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.
 - Cables Bundles — Nom 4 in. (102 mm) diam tightly bundled cables. Any combination of the following types and sizes of cables may be used:
 - Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
 - Max 300 pair Nom. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.
 - Max 7/C copper conductor Nom. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
 - Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.
 - Max 3/C Nom. 12 AWG steel clad cable with copper conductors and PVC insulation material.
 - Individual Cables — Any of the following types and sizes of individual (non-bundled) cables may be used:
 - Max 3/C Nom. 20 AWG (or smaller) copper conductor PVC jacketed aluminum clad or steel clad TECK 90 cable.
 - Through Penetrating Product* — Any cables, Armored Cable+ or Metal Clad Cable+ currently Classified under the Through Penetrating Product category.
- See Through Penetrating Product (XHLTY) category in the Fire Resistance Directory for names of manufacturers.
- Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
- Max 300 pair Nom. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.
- Max 7/C copper conductor Nom. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
- Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.
- Max 3/C Nom. 12 AWG steel clad cable with copper conductors and PVC insulation material.
- Max 4/C750 kcmil (or smaller) aluminum or copper conductor metal clad cable with aluminum or steel armor, with or without PVC jacket.
- Cable Tray* — (Not Shown) — Max 24 in. (610 mm) wide by 6 in. (152 mm) deep open-ladder steel or aluminum cable tray. Aggregate cross-sectional area of cable tray to be max 40 percent of the cross-sectional area of the cable tray based on a max 3 in. cable loading depth. Any combination of the types and sizes of cables described in Item 2B may be used. Cable tray to be rigidly supported on both sides of floor or wall assembly.
- Pipe Insulation — (Optional) — Pipes and tubes of the types and sizes noted below may be provided with one of the following types of pipe insulations:
 - A. Pipe Covering* — Nom 1-1/2 in. (38 mm) thick (or thinner) hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket for pipes with a nom diam of 8 in. (203 mm) (or smaller) or tubes with a nom diam of 4 in. (102 mm) (or smaller). Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
 - See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
 - B. Pipe Covering* — Nom 2 in. (51 mm) thick (or thinner) hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket for pipes or tubes with a nom diam of 2 in. (51 mm) (or smaller). Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
 - See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
 - C. Tube Insulation-Plastics+ — Nom 1 in. (25 mm) thick (or thinner) acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing for pipes or tubes with a nom diam of 2 in. (51 mm) (or smaller).
 - See Plastics (DMFZ2) category in the Plastics Recognition Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-VA may be used.
- Firestop System — The firestop system shall consist of the following:
 - A. Packing Material — Min 4 in. (102 mm) thickness of 4 pcf (64 kg/m³) mineral wool batt insulation tightly packed into the opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material.
 - B. Fill, Void or Cavity Material - Sealant* — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus flush with the top surface of the floor or both surfaces of the wall.

HLTI CONSTRUCTION CHEMICALS, DIV OF HLTI INC — FS-ONE Sealant

*Bearing the UL Classification Mark

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FIRESTOPPING NOTES:

1. FIRESTOPPING ASSEMBLIES SHOWN ON THIS SHEET REPRESENT VARIOUS RATED ASSEMBLIES THAT MAY BE REQUIRED FOR THIS PROJECT. ADDITIONAL CONDITIONS AND ASSEMBLIES MAY EXIST AND THE CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 0784.03 - FIRESTOPPING FOR ADDITIONAL INFORMATION AND THE SELECTED MANUFACTURER FOR ADDITIONAL ASSEMBLY TYPES.
2. FIRESTOPPING DETAILS WERE OBTAINED FROM AND REPRODUCED BY HILTI, INC. COURTESY OF UNDERWRITERS LABORATORIES, INC. (UL) AND ARE SHOWN AS THE BASIS OF DESIGN. USE OF THESE DETAILS AND REFERENCE TO HILTI, INC. PRODUCTS OR SYSTEMS DOES NOT PRECLUDE THE USE OF OTHER PRODUCTS THAT ARE SUBMITTED AND APPROVED AS EQUAL.
3. REFER TO CODE REVIEW PLANS CA0.01 - CA0.03 FOR REQUIRED FIRE RATINGS. PROVIDE APPROPRIATE FIRESTOPPING FOR FIRE RATING AS PER FIRESTOPPING DETAILS AND SPECIFICATIONS.

Date	1/10/20
Checked	DLF
Drawn	CTB

MICHAEL J. McGOVERN, R.A.

THIS REGISTERED ARCHITECT

License No. 022257-1

Revisions:

ISSUE TO BID
11/23/20

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FREESTOPPING DETAILS

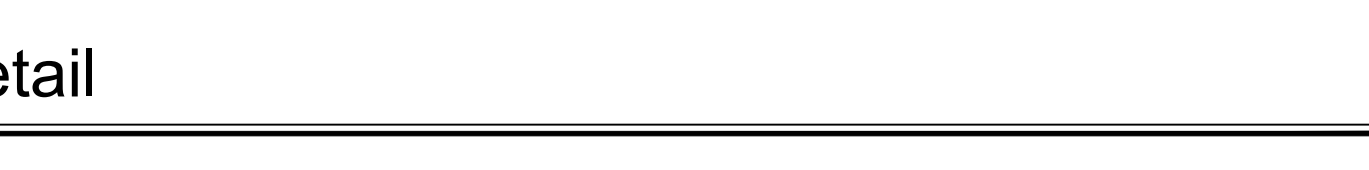
2019 BOND REFERRENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

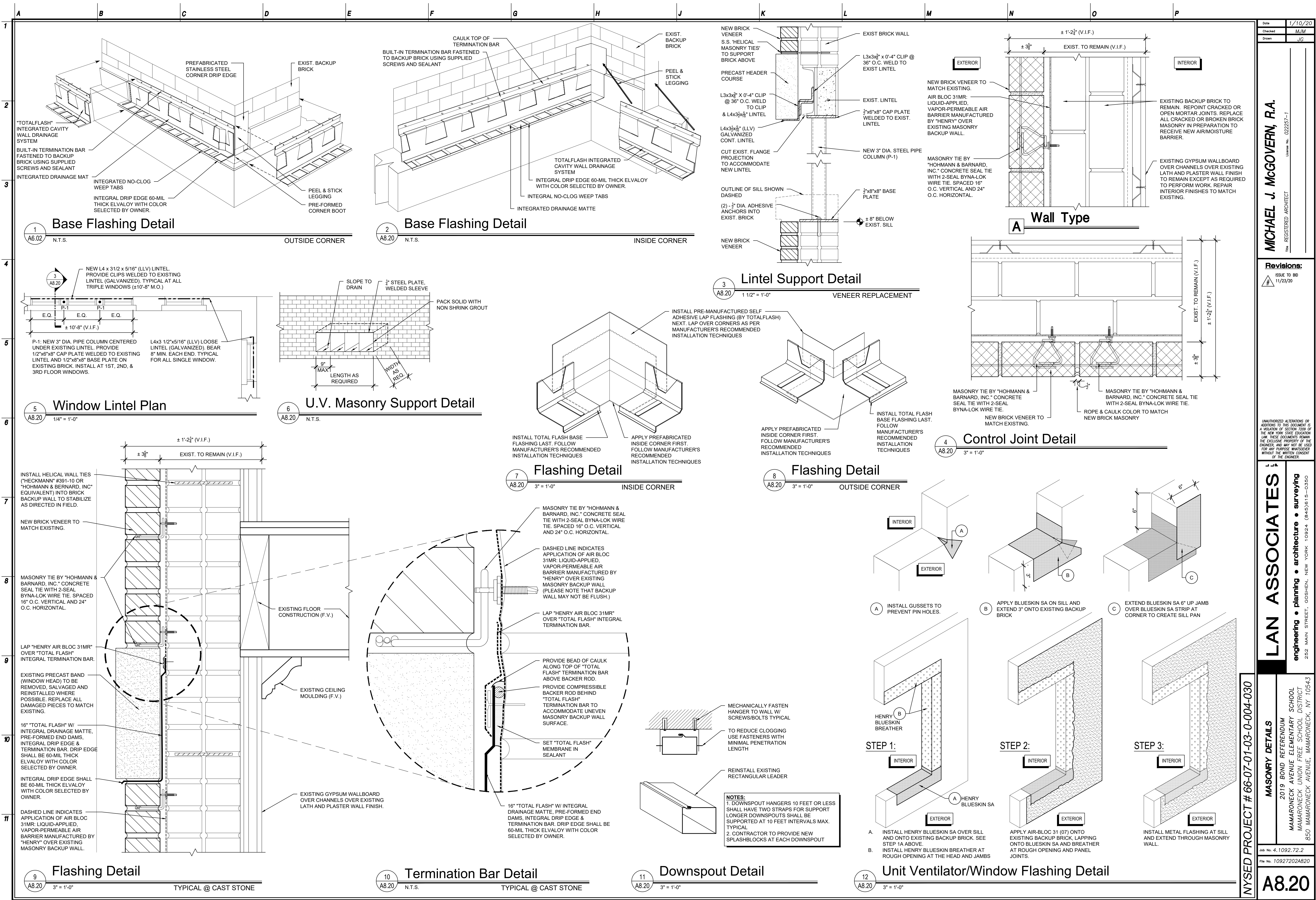
Job No. 4.1092.72.2

File No. 10927202AR805

A8.05



- WOOD BLOCKING NOTES:**
- WOOD (P.T.) BLOCKING SHOWN ON THESE DRAWINGS IS FOR SCHEMATIC PURPOSES ONLY. BLOCKING AMOUNTS/HEIGHTS MAY DIFFER FROM WHAT IS SHOWN. CONTRACTOR TO DETERMINE PROPER BLOCKING AMOUNT IN FIELD BASED ON ACTUAL FIELD CONDITIONS.
 - ACQ TREATED LUMBER, OR EQUIVALENT, SHALL BE USED FOR ALL WOOD BLOCKING/NAILERS AND MUST CONFORM TO ALL FEDERAL STANDARDS/REGULATIONS.**
 - USE HOT-DIP GALVANIZED (ASTM A653 WITH A G90 OR GREATER) OR STAINLESS STEEL FASTENERS.
 - DO NOT USE ELECTRO-GALVANIZED SCREWS OR NAILS.
 - INSTALL TREATED LUMBER AT THE SAME HEIGHT AS THE INSULATION LAYER. WOOD NAILERS SHALL BE INSTALLED AT ALL PERIMETERS AND PENETRATIONS AS SHOWN IN THE APPROVED DETAILS. THE SURFACE UNDER WOOD NAILERS SHALL BE FREE OF ALL CONTAMINANTS AND DEBRIS AS WELL AS EVEN AND SMOOTH. WHERE WOOD NAILERS ARE INSTALLED DIRECTLY ON THE SUBSTRATE, THE SUBSTRATE SHALL BE CAREFULLY EXAMINED TO CONFIRM THAT THE ENTIRE AREA PROVIDES A SUITABLE FASTENING SURFACE. ALL DEFECTS SHALL BE REPAIRED BY THE APPROPRIATE TRADE PRIOR TO INSTALLATION.
 - BASE LAYER OF BLOCKING AT PERIMETER TO BE FASTENED TO EXISTING MASONRY WALL WITH $\frac{3}{8}$ " DIA X $3\frac{1}{2}$ " LONG TAPCON ANCHORS @ 16" O.C. TYPICAL. ALL SUCCESSIVE LAYERS SHALL BE FASTENED TO BLOCKING UNDERNEATH WITH APPROVED FASTENERS. (SEE NOTE #2)



Date	1/10/20
Checked	MJM
Drawn	JG

Revisions:

1	ISSUE TO BD
2	11/23/20

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MASONRY DETAILS

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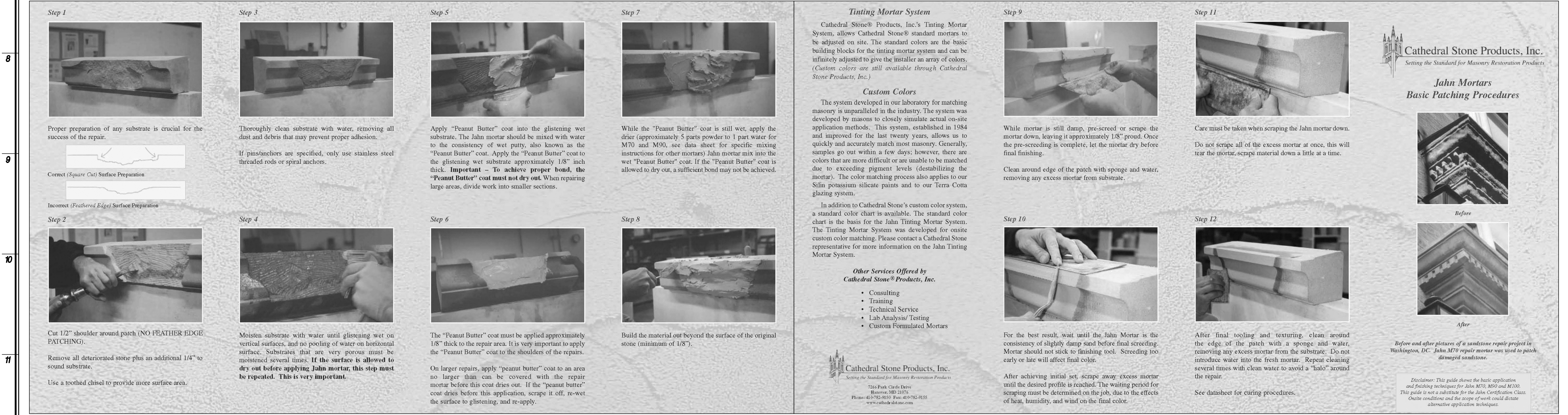
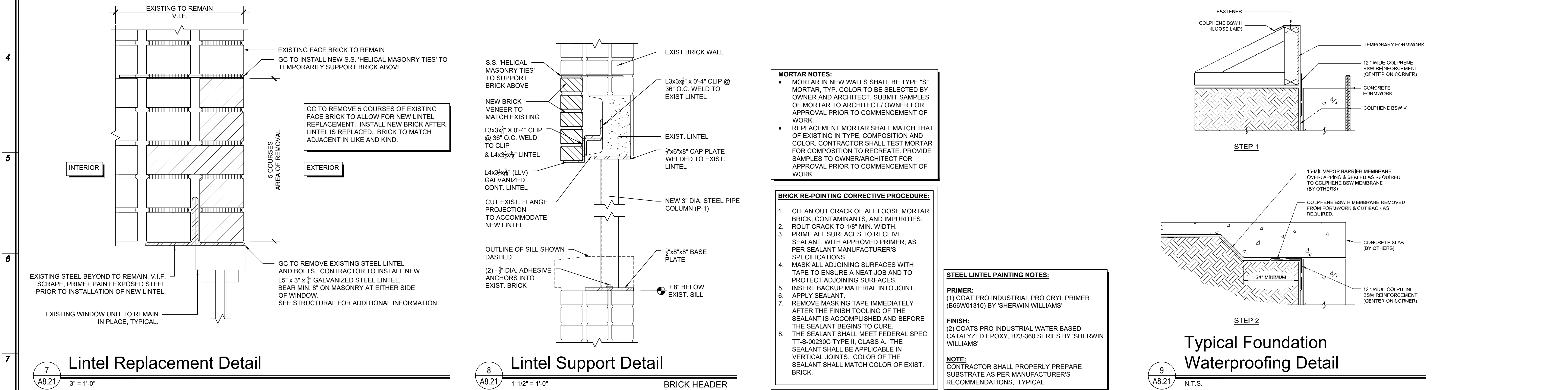
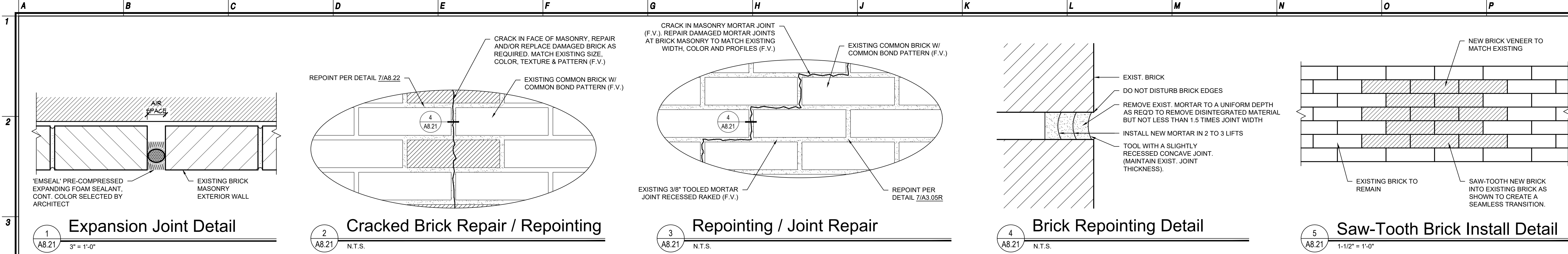
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Job No. 4.1092.72.2

File No. 10927202A820

A8.20

NYSED PROJECT # 66-07-01-03-0-004-030



Date: 1/10/20
Checked: DLF
Drawn: TT/JG

Revisions:
ISSUE TO BD 11/23/20

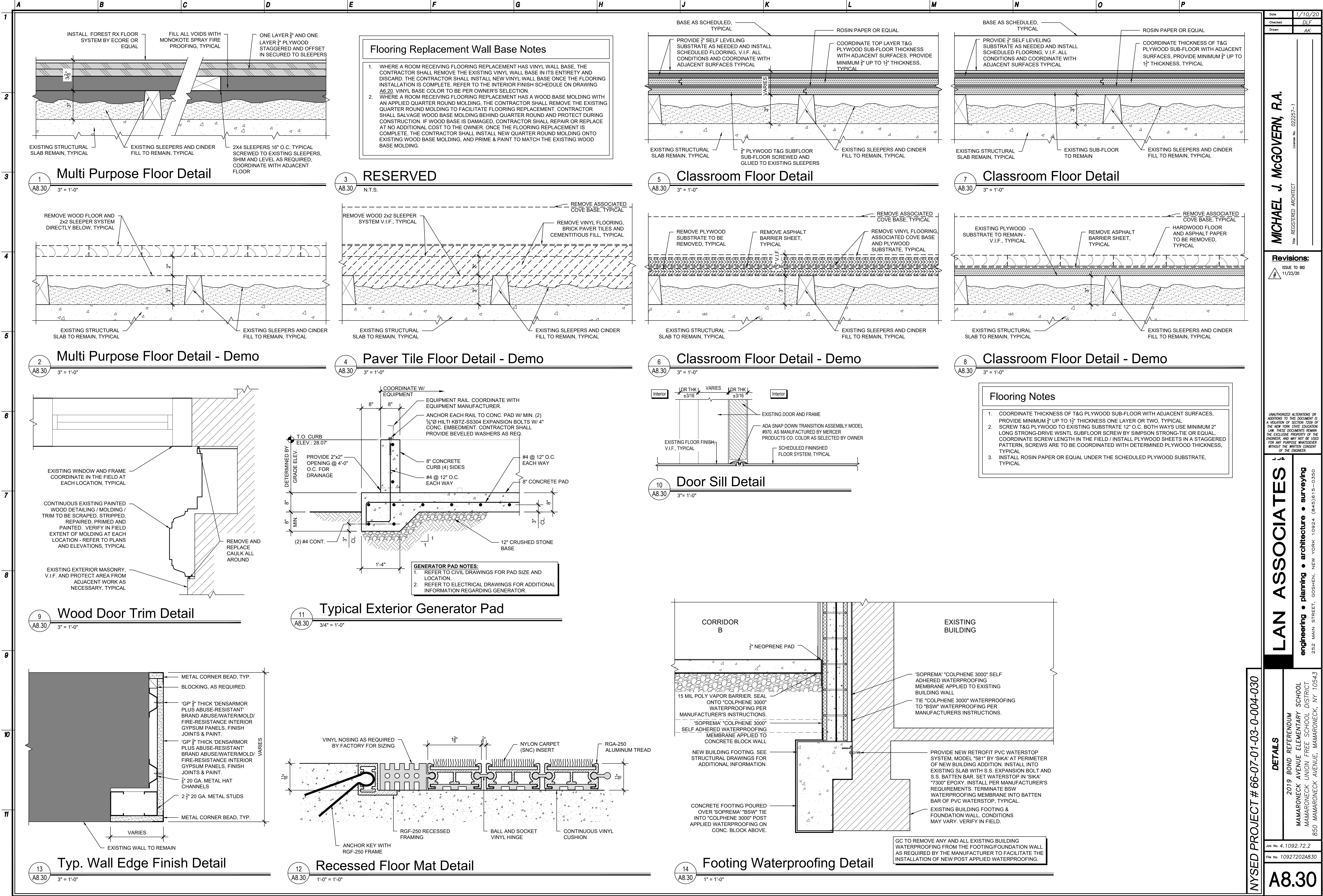
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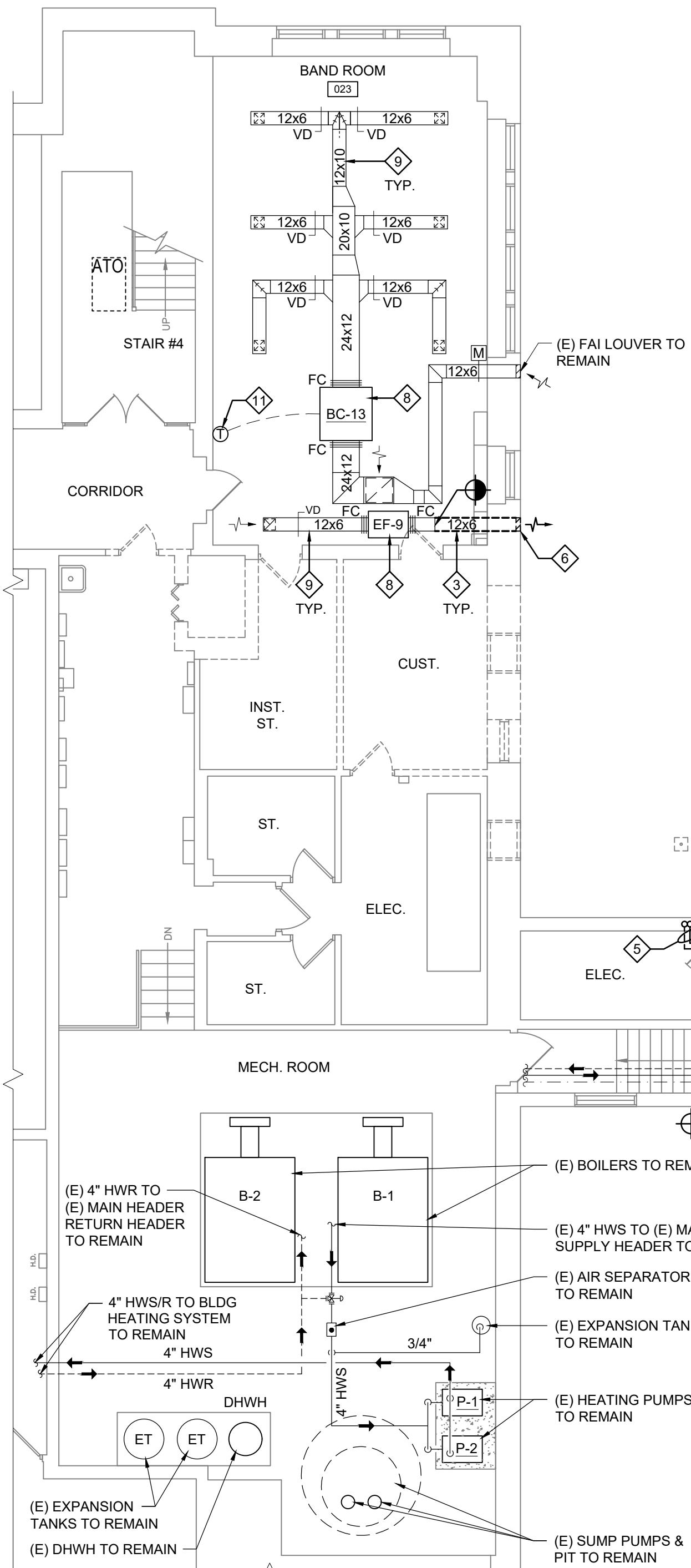
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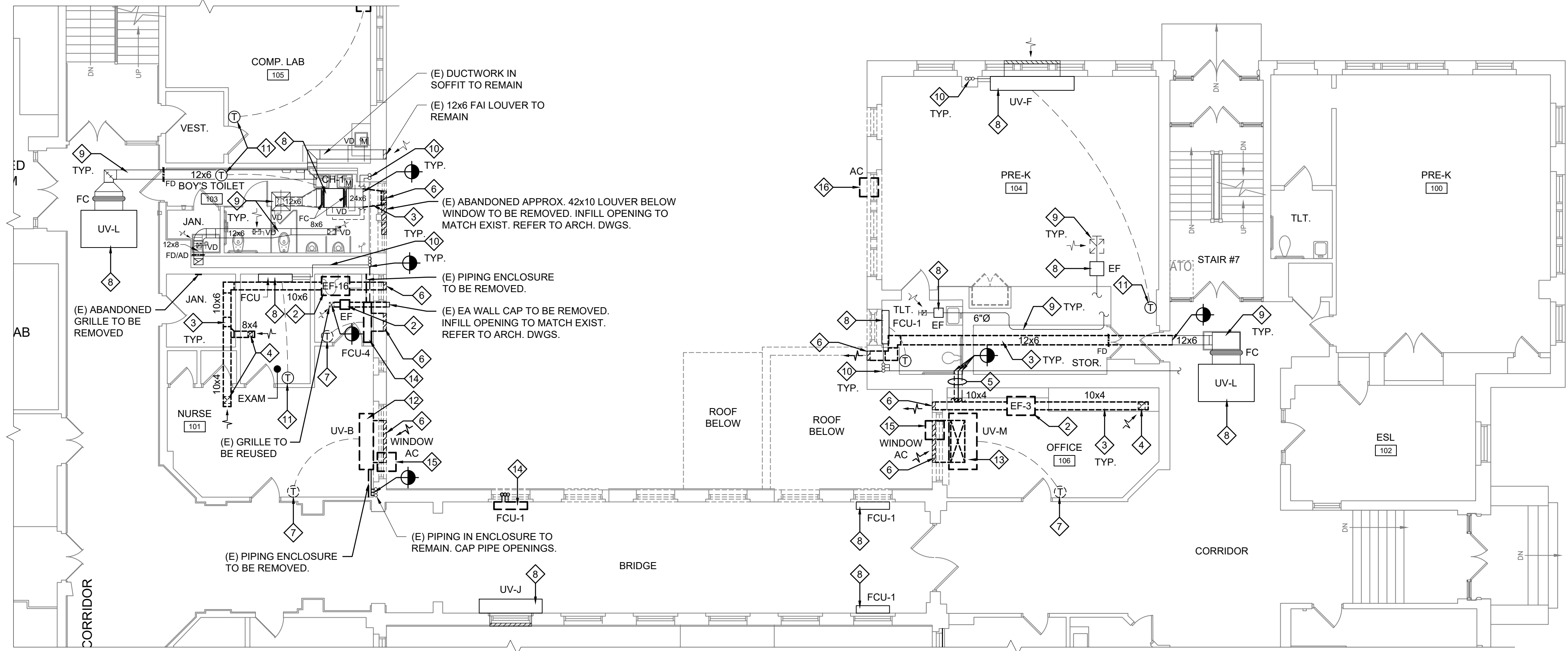


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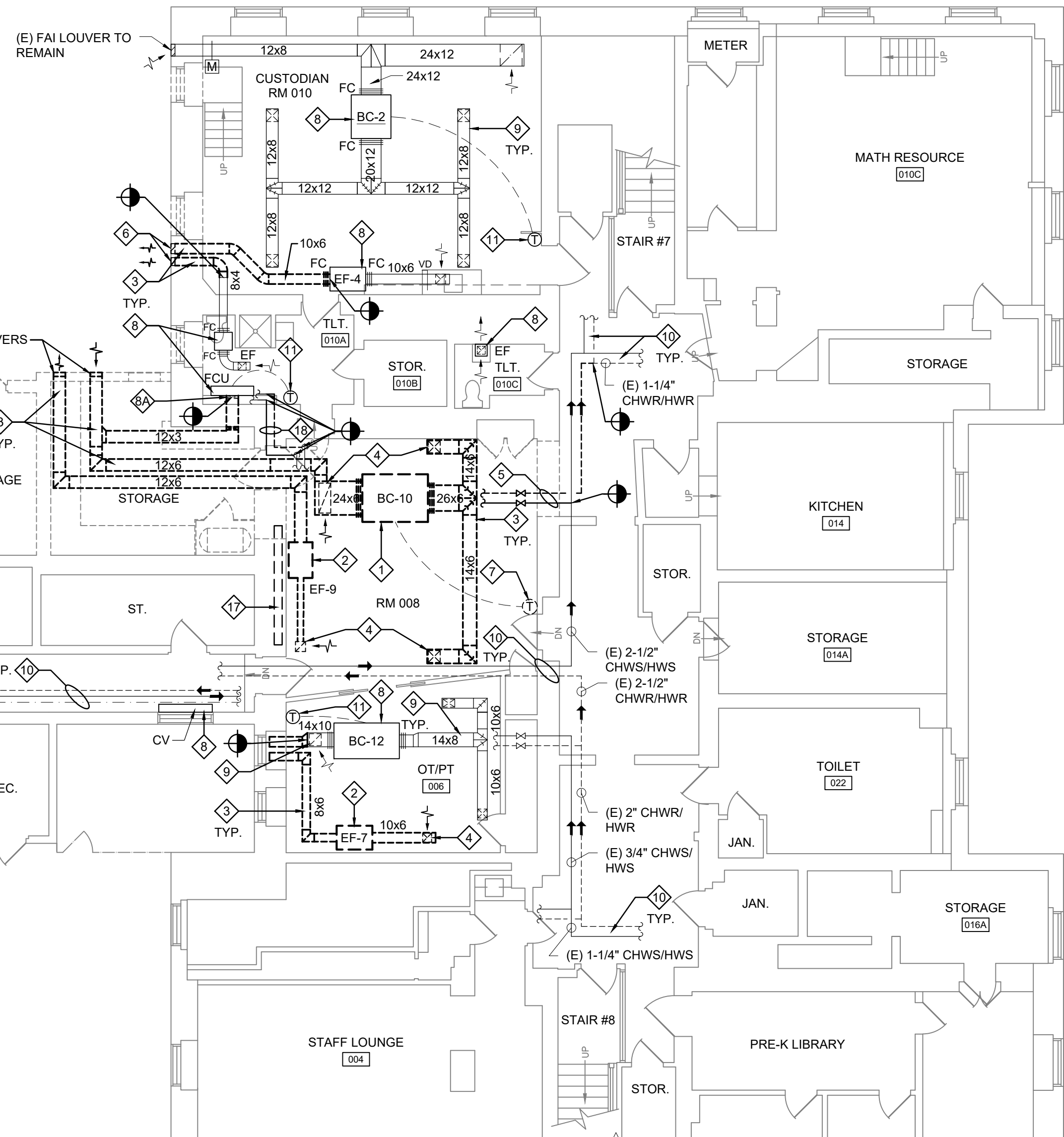
- GENERAL MECHANICAL DEMOLITION NOTES
1. SIZES & LOCATIONS OF EXIST. MECH. EQUIPMENT, DUCTWORK, AIR INLETS/OUTLETS, PIPING, ETC. SHOWN ON DRAWINGS ARE BASED ON SITE OBSERVATIONS & THEY ARE APPROXIMATE. SOME OF DUCT & PIPE ROUTING COULD BE DIFFERENT FROM THAT SHOWN. MC IS REQUIRED TO PROVIDE DUCTWORK SHOP DRAWINGS IDENTIFYING THEM.
 2. NOT ALL EXIST. DUCTWORK, PIPING & UTILITIES ARE SHOWN ON DRAWINGS. VERIFY IN FIELD.
 3. GC IS RESPONSIBLE TO REMOVE EXIST. SUSPENDED CEILING SYSTEM, GRIDS & TILES TO ACCOMMODATE MECHANICAL DEMOLITION. REINSTALL TO MATCH EXISTING. REMOVE & REPLACE ALL DAMAGED TILES. MODEL & STYLE OF NEW CLG. TILES SHALL MATCH EXISTING.
 4. EC IS RESPONSIBLE TO TEMPORARILY REMOVE/RELOCATE EXIST. LIGHT FIXTURES, ELECTRICAL DEVICES, FIRE ALARM & COMMUNICATION DEVICES, ETC. TO ACCOMMODATE MECH. DEMOLITION. REINSTALL TO MATCH EXISTING. CHECK IN FIELD.
 5. GC IS RESPONSIBLE TO PATCH ALL OPENINGS ON CLGS, WALLS & ROOF WHERE EXIST. MECH. EQUIPMENT, DUCTWORK & PIPING ARE REMOVED. INFILL & PATCH W/ SUITABLE MATERIALS & PAINT TO MATCH EXISTING.
 6. GC IS RESPONSIBLE TO PROPERLY PROTECT EXIST. FLOORS, WALLS, CEILING, FURNITURE, EQUIPMENT, ETC. DURING CONSTRUCTION. ALL DAMAGED ITEMS SHALL BE REPAIRED / REPLACED AT EXPENSE OF THE GC.
 7. MC IS RESPONSIBLE TO ISOLATE/SHUTDOWN & DRAIN-DOWN EXIST. HOT WATER HEATING PIPING SYSTEM TO ACCOMMODATE REMOVAL OF EXIST. HWS/HWR PIPING ASSOCIATED W/ DEMOLISHED MECH. EQUIPMENT AND INSTALLATION OF NEW MECH. EQUIPMENT & PIPING. RESTORE THE SYSTEM AFTER ALL WORK IS COMPLETE.
 8. MC TO REMOVE ALL EXIST. CONTROLS & RELATED WIRING & CONDUITS, ETC. WHICH BECOME OBSOLETE, WHETHER OR NOT SHOWN ON DWGS. GC TO PATCH AND PAINT WALLS TO MATCH EXISTING.



Partial Lower Level Mechanical Demolition Plan



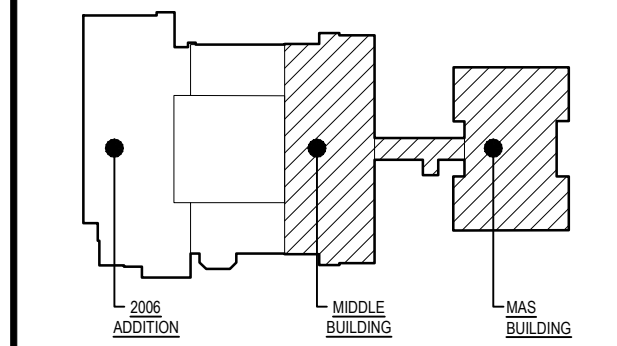
Partial First Floor Mechanical Demolition Plan



ITEM #	MECHANICAL DEMOLITION KEY NOTES
1	EXIST. CEILING-MOUNTED BLOWER COIL (BC) UNITS TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. DUCTWORK, PIPING, VALVES, AIR INLETS & OUTLETS, LOUVERS, SUPPORTS, CONTROLS, ETC.
2	EXIST. CEILING-MOUNTED EXHAUST FAN (EF) TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. DUCTWORK, INLETS, LOUVERS, ELECTRICAL, SUPPORTS, CONTROLS, ETC.
3	EXIST. DUCTWORK & RELATED DAMPERS, INSULATION, SUPPORTS, FILTERS, CONTROLS, ETC. TO BE REMOVED.
4	EXIST. AIR INLET/OUTLET & RELATED DUCTWORK, DAMPER, ETC. TO BE REMOVED. REPLACE OPENING TO MATCH EXIST. CLG.
5	EXIST. PIPING (DUAL-TEMP, HWS/HWR, CHWS/CHWR, CONDENSATE DRAIN, ETC.) TO BE REMOVED. CAP PIPE OPENINGS ON EXIST. MAINS.
6	EXIST. EA / FAI LOUVERS TO BE REMOVED. INFILL OPENING TO MATCH EXIST. REFER TO ARCH. DWGS.
7	EXIST. THERMOSTAT & SENSOR & RELATED CONTROL WIRING, ETC. TO BE REMOVED. INFILL OPENING & PAINT TO MATCH EXIST.
8	EXIST. MECHANICAL EQUIPMENT (BCs, UVs, FCUs, CHs, CVs, EFs, WINDOW ACs, ETC.) TO REMAIN.
9	CUT EXIST. DUCT TO TOP OF CHASE & CAP OPENING. PAINT DUCT TO MATCH EXIST. CHASE.
10	EXIST. DUCTWORK & RELATED DAMPERS, INSULATION, AIR INLET/OUTLET, SUPPORTS, FILTERS, CONTROLS, ETC. TO REMAIN.
11	EXIST. PIPING (DUAL-TEMP, CHWS/HWS, CHWR/HWR, CONDENSATE DRAIN, ETC.) TO REMAIN.
12	EXIST. THERMOSTAT & SENSOR TO REMAIN.
13	EXIST. CEILING-MOUNTED HORIZONTAL UNIT VENTILATOR (UV) TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. DUCTWORK, DAMPERS, PIPING, VALVES, LOUVER, ELECTRICAL, CONTROLS, ETC. CAP PIPE OPENINGS ON EXIST. MAINS. REPLACE OPENING TO MATCH EXIST. CLG SYSTEM.
14	EXIST. FLOOR-MOUNTED VERTICAL FAN COIL UNIT (FCU) TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. DUCTWORK, DAMPERS, PIPING, VALVES, LOUVER, ELECTRICAL, CONTROLS, ETC. CAP PIPE OPENINGS ON EXIST. MAINS.
15	EXIST. WINDOW AC TO BE REMOVED. TURN THE UNIT OVER TO SCHOOL PERSONNEL FOR REUSE.
16	EXIST. WINDOW AC TO BE RELOCATED & REUSED.
17	EXIST. ABANDONED STEAM RADIATOR TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. PIPING, STEAM TRAPS, VALVES, SUPPORTS, CONTROLS, ETC. REFER TO ARCH DWGS. FOR NEW WALL.
18	EXIST. DUAL-TEMP PIPING (CHWS/HWS & CHWR/HWR) TO BE REMOVED & ROUTED TO ACCOMMODATE FOR NEW CONSTRUCTION.

NOTE - FLOOR REPLACEMENT MECHANICAL DEMOLITION WORK:
MECHANICAL EQUIPMENT (UNIT VENTILATORS (UVs), FAN COIL UNITS (FCUs), CABINET HEATERS (CHs), ETC.) & ASSOCIATED PIPE ENCLOSURES TO BE TEMPORARILY REMOVED AND SHALL BE REINSTALLED DURING FLOOR REPLACEMENT PROJECT ARE NOT SHOWN ON MECHANICAL DRAWINGS. MECHANICAL CONTRACTOR (MC) SHALL REFER TO ARCHITECTURAL DEMOLITION PLANS DRAWINGS A1.02 THRU A1.05, ARCHITECTURAL PROPOSED PLANS DRAWINGS A2.02 THRU A2.05 AND PROPOSED FLOOR FINISH PLANS A2.20 THRU A2.25 AND REFER TO NOTES #106 ON DEMOLITION KEY NOTES DRAWING A1.00 AND #82 ON CONSTRUCTION KEY NOTES DRAWING A2.00 FOR SCOPE OF WORK REQUIRED BY THE MC ASSOCIATED WITH THE FLOOR REPLACEMENT PROJECT. MC IS RESPONSIBLE FOR THIS SCOPE OF WORK.

MAMARONECK AVENUE SCHOOL



Key Plan

1/10/20
MAM
MICHAEL J. MCGOVERN, R.A.
REGISTERED ARCHITECT
License No. 022257-1

Revisions:
ISSUE TO BD
11/23/20

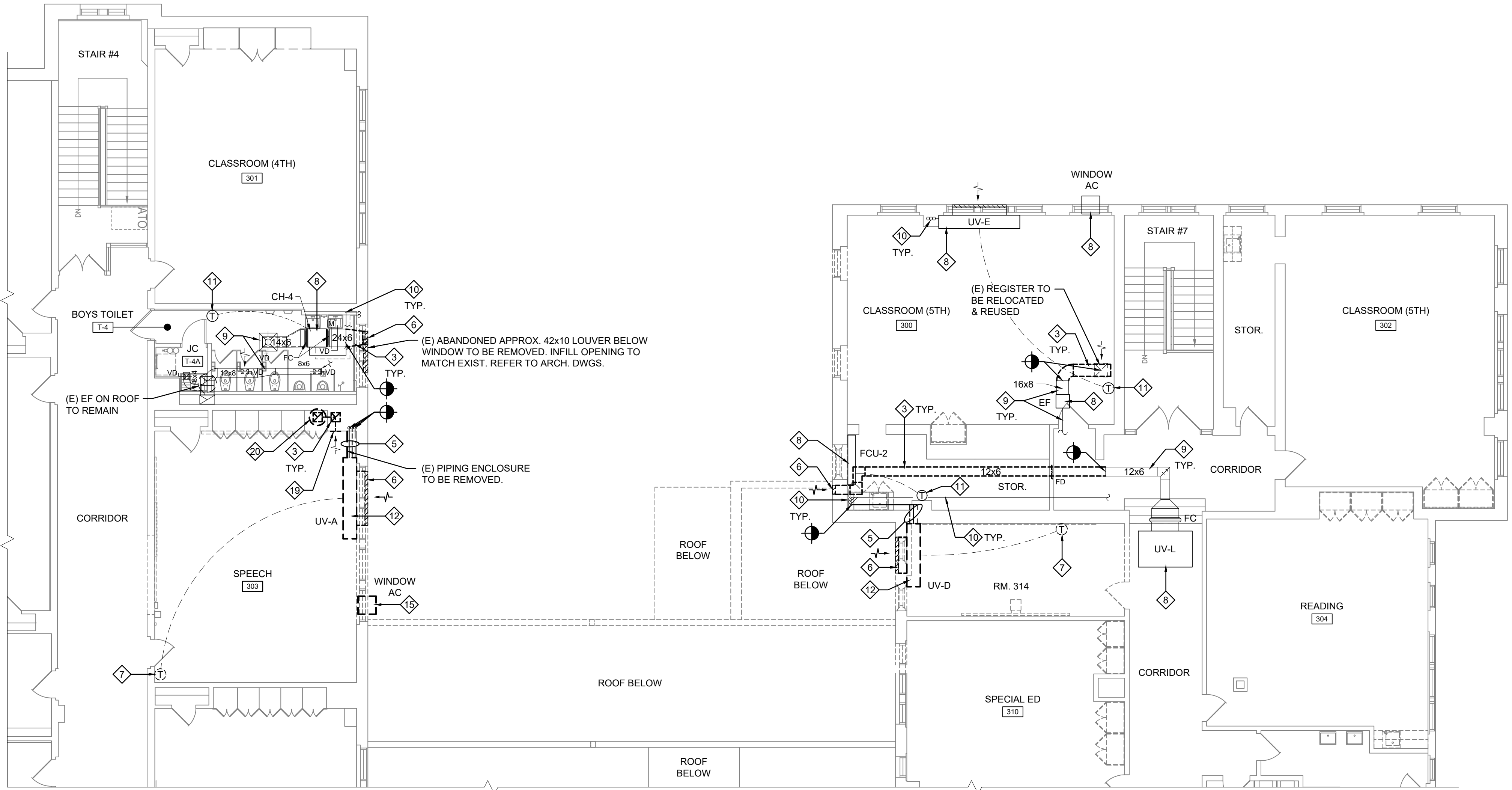
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MECHANICAL DEMOLITION PLANS
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543
Job No. 4.1092.72.2
File No. 10927202M201
M1.01

NYSED PROJECT # 66-07-01-03-0-004-030

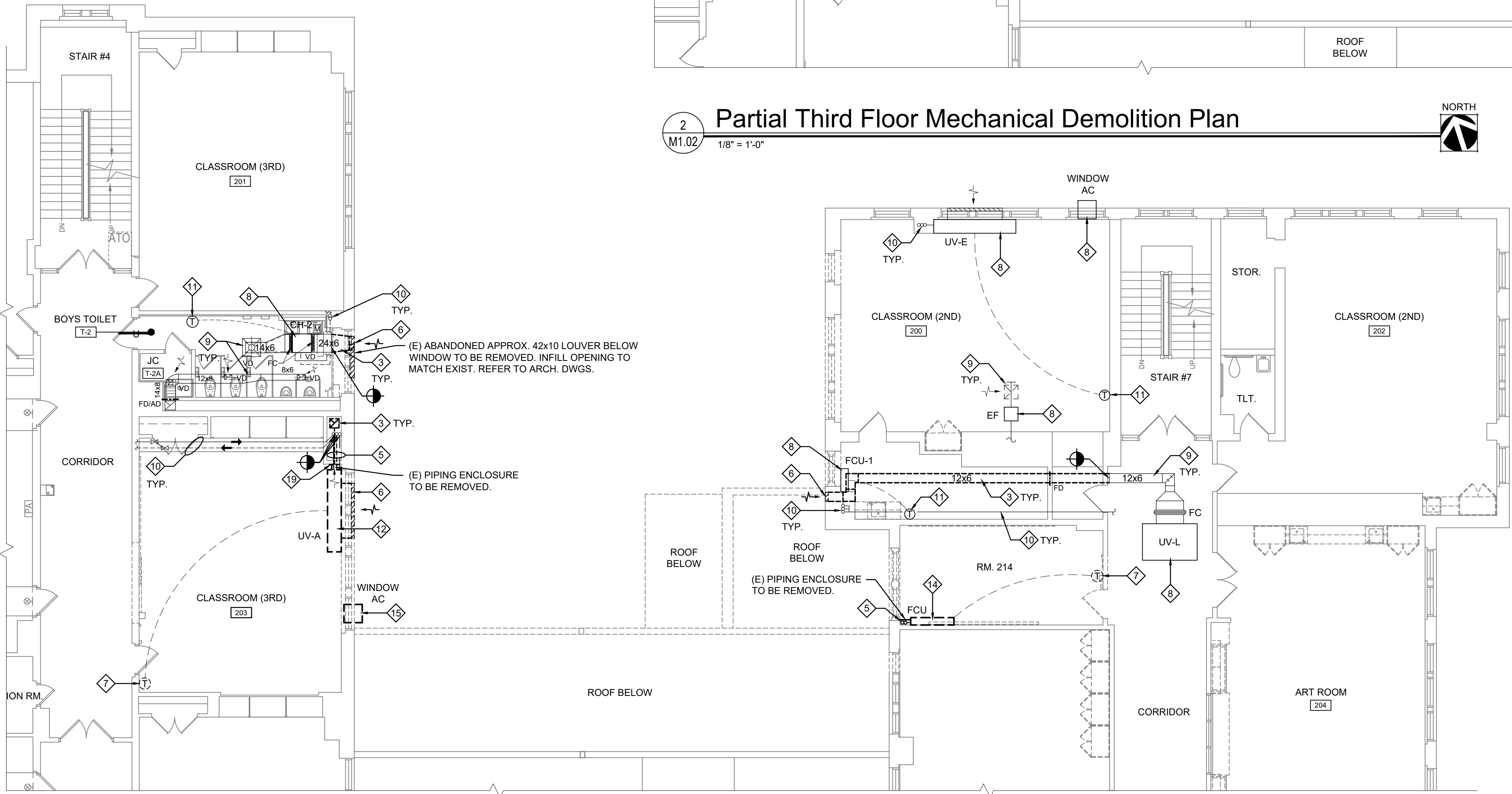
ITEM #	MECHANICAL DEMOLITION KEY NOTES
3	EXIST. DUCTWORK & RELATED DAMPERS, INSULATION, SUPPORTS, FILTERS, CONTROLS, ETC. TO BE REMOVED.
5	EXIST. PIPING (DUAL-TEMP. HWS/HWR, CHWS/CHWR, CONDENSATE DRAIN, ETC.) TO BE REMOVED. CAP PIPE OPENINGS ON EXIST. MAINS.
6	EXIST. EA / FAI LOUVERS TO BE REMOVED. INFILL OPENING TO MATCH EXIST. REFER TO ARCH. DWGS.
7	EXIST. THERMOSTAT & SENSOR & RELATED CONTROL WIRING, ETC. TO BE REMOVED. INFILL OPENING & PAINT TO MATCH EXIST.
8	EXIST. MECHANICAL EQUIPMENT (BCs, UVs, FCUs, CHs, CVs, EFs, WINDOW ACs, ETC.) TO REMAIN.
9	EXIST. DUCTWORK & RELATED DAMPERS, INSULATION, AIR INLET/OUTLET, SUPPORTS, FILTERS, CONTROLS, ETC. TO REMAIN.
10	EXIST. PIPING (DUAL-TEMP. CHWS/HWS, CHWR/HWR, CONDENSATE DRAIN, ETC.) TO REMAIN.
11	EXIST. THERMOSTAT & SENSOR TO REMAIN.
12	EXIST. FLOOR-MOUNTED VERTICAL UNIT VENTILATOR (UV) TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. PIPING, VALVES, LOUVER, ELECTRICAL, CONTROLS, ETC. CAP PIPE OPENINGS ON EXIST. MAINS IN CHASE.
14	EXIST. FLOOR-MOUNTED VERTICAL FAN COIL UNIT (FCU) TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. DUCTWORK, DAMPERS, PIPING, VALVES, LOUVER, ELECTRICAL, CONTROLS, ETC. CAP PIPE OPENINGS ON EXIST. MAINS.
15	EXIST. WINDOW AC TO BE REMOVED. TURN THE UNIT OVER TO SCHOOL PERSONNEL FOR REUSE.
16	EXIST. WINDOW AC TO BE RELOCATED & REUSED.
19	EXIST. EA GRILLE ON CHASE TO BE REMOVED. INFILL & PAINT OPENING TO MATCH EXIST.
20	EXIST. EF ON ROOF TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. DUCTWORK, DAMPERS, CURB, ELECTRICAL, CONTROLS, ETC. PATCH ROOF & DECK OPENING & SEAL AIRTIGHT & WATERTIGHT. ALL ROOF CUTTING, PATCHING & REPAIRS SHALL BE PERFORMED BY A FACTORY-CERTIFIED ROOFING CONTRACTOR.



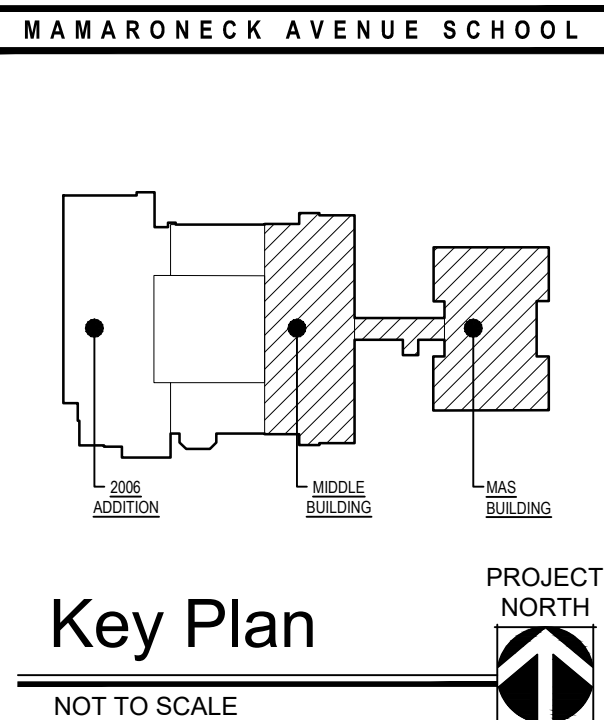
2 Partial Third Floor Mechanical Demolition Plan
M1.02 1/8" = 1'-0"

- GENERAL MECHANICAL DEMOLITION NOTES
- SIZES & LOCATIONS OF EXIST. MECH. EQUIPMENT, DUCTWORK, AIR INLETS/OUTLETS, PIPING, ETC. SHOWN ON DRAWINGS ARE BASED ON SITE OBSERVATIONS & THEY ARE APPROXIMATE. SOME OF DUCT & PIPE ROUTING COULD BE DIFFERENT FROM THAT SHOWN. MC IS REQUIRED TO PROVIDE DUCTWORK SHOP DRAWINGS IDENTIFYING THEM.
 - NOT ALL EXIST. DUCTWORK, PIPING & UTILITIES ARE SHOWN ON DRAWINGS. VERIFY IN FIELD.
 - GC IS RESPONSIBLE TO REMOVE EXIST. SUSPENDED CEILING SYSTEM, GRIDS & TILES TO ACCOMMODATE MECHANICAL DEMOLITION. REINSTALL TO MATCH EXISTING. REMOVE & REPLACE ALL DAMAGED TILES. MODEL & STYLE OF NEW CLG. TILES SHALL MATCH EXISTING.
 - EC IS RESPONSIBLE TO TEMPORARILY REMOVE/RELOCATE EXIST. LIGHT FIXTURES, ELECTRICAL DEVICES, FIRE ALARM & COMMUNICATION DEVICES, ETC. TO ACCOMMODATE MECH. DEMOLITION. REINSTALL TO MATCH EXISTING. CHECK IN FIELD.
 - GC IS RESPONSIBLE TO PATCH ALL OPENINGS ON CLGS, WALLS & ROOF WHERE EXIST. MECH. EQUIPMENT, DUCTWORK & PIPING ARE REMOVED. INFILL & PATCH W/ SUITABLE MATERIALS & PAINT TO MATCH EXISTING.
 - GC IS RESPONSIBLE TO PROPERLY PROTECT EXIST. FLOORS, WALLS, CEILING, FURNITURE, EQUIPMENT, ETC. DURING CONSTRUCTION. ALL DAMAGED ITEMS SHALL BE REPAIRED / REPLACED AT EXPENSE OF THE GC.
 - MC IS RESPONSIBLE TO ISOLATE/SHUTDOWN & DRAIN-DOWN EXIST. HOT WATER HEATING PIPING SYSTEM TO ACCOMMODATE REMOVAL OF EXIST. HWS/HWR PIPING ASSOCIATED W/ DEMOLISHED MECH. EQUIPMENT AND INSTALLATION OF NEW MECH. EQUIPMENT & PIPING. RESTORE THE SYSTEM AFTER ALL WORK IS COMPLETE.
 - MC TO REMOVE ALL EXIST. CONTROLS & RELATED WIRING & CONDUITS, ETC. WHICH BECOME OBSOLETE, WHETHER OR NOT SHOWN ON DWGS. GC TO PATCH AND PAINT WALLS TO MATCH EXISTING.

NOTE - FLOOR REPLACEMENT MECHANICAL DEMOLITION WORK:
MECHANICAL EQUIPMENT (UNIT VENTILATORS (UVs), FAN COIL UNITS (FCUs), CABINET HEATERS (CHs), ETC.) & ASSOCIATED PIPE ENCLOSURES TO BE TEMPORARILY REMOVED AND SHALL BE REINSTALLED DURING FLOOR REPLACEMENT PROJECT ARE NOT SHOWN ON MECHANICAL DRAWINGS. MECHANICAL CONTRACTOR (MC) SHALL REFER TO ARCHITECTURAL DEMOLITION PLANS DRAWINGS A1.02 THRU A1.05, ARCHITECTURAL PROPOSED PLANS DRAWINGS A2.02 THRU A2.05 AND PROPOSED FLOOR FINISH PLANS A2.20 THRU A2.25 AND REFER TO NOTES #106 ON DEMOLITION KEY NOTES DRAWING A1.00 AND #82 ON CONSTRUCTION KEY NOTES DRAWING A2.00 FOR SCOPE OF WORK REQUIRED BY THE MC ASSOCIATED WITH THE FLOOR REPLACEMENT PROJECT. MC IS RESPONSIBLE FOR THIS SCOPE OF WORK.



1 Partial Second Floor Mechanical Demolition Plan
M1.02 1/8" = 1'-0"



Date 1/10/20
Checked MAM
Drawn IM
MICHAEL J. MCGOVERN, R.A.
REGISTERED ARCHITECT
License No. 022257-1

Revisions:
ISSUE TO BD
11/23/20

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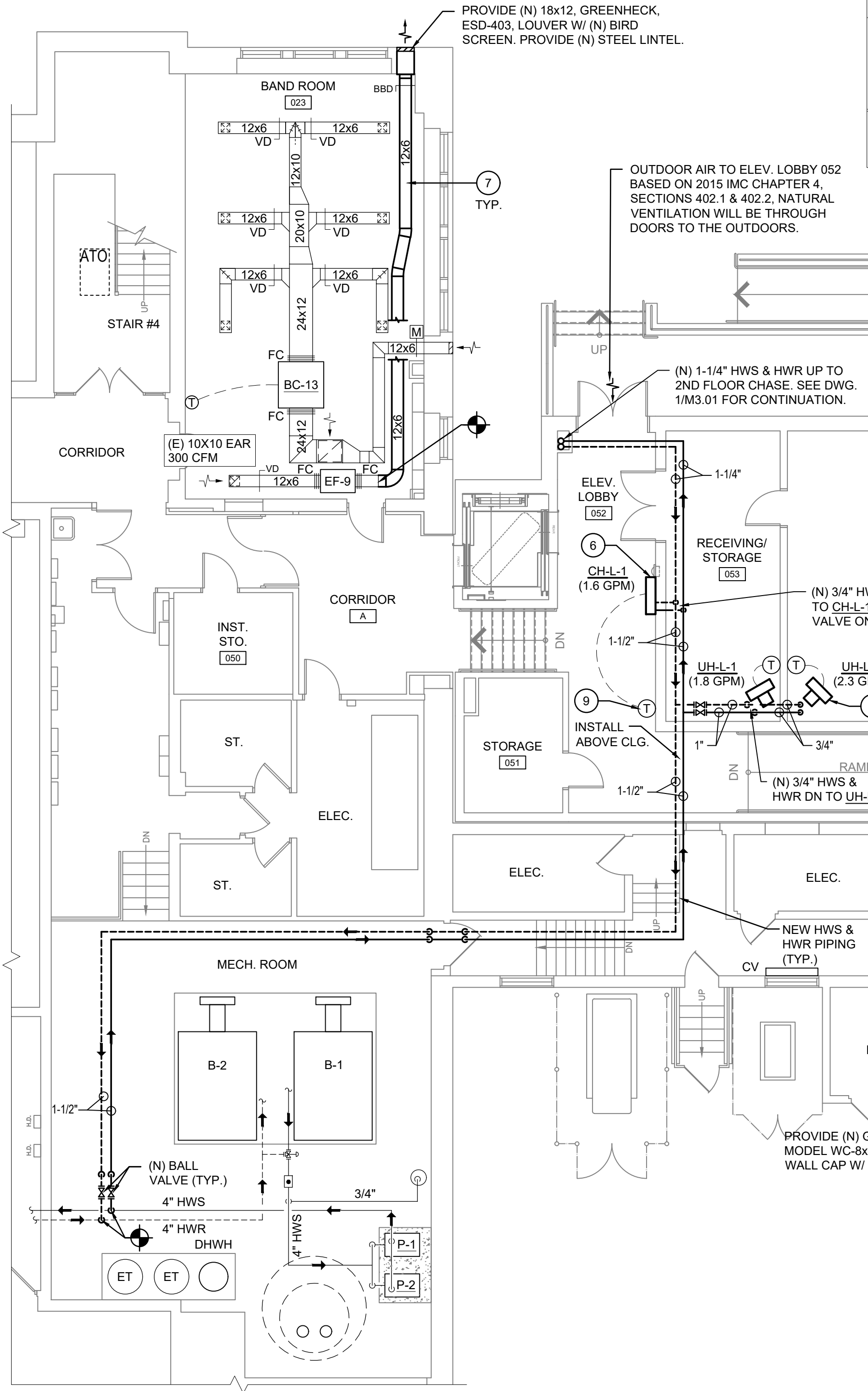
NYSED PROJECT # 66-07-01-03-0-004-030

MECHANICAL DEMOLITION PLANS
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4,1092.72.2
File No. 10927202M201

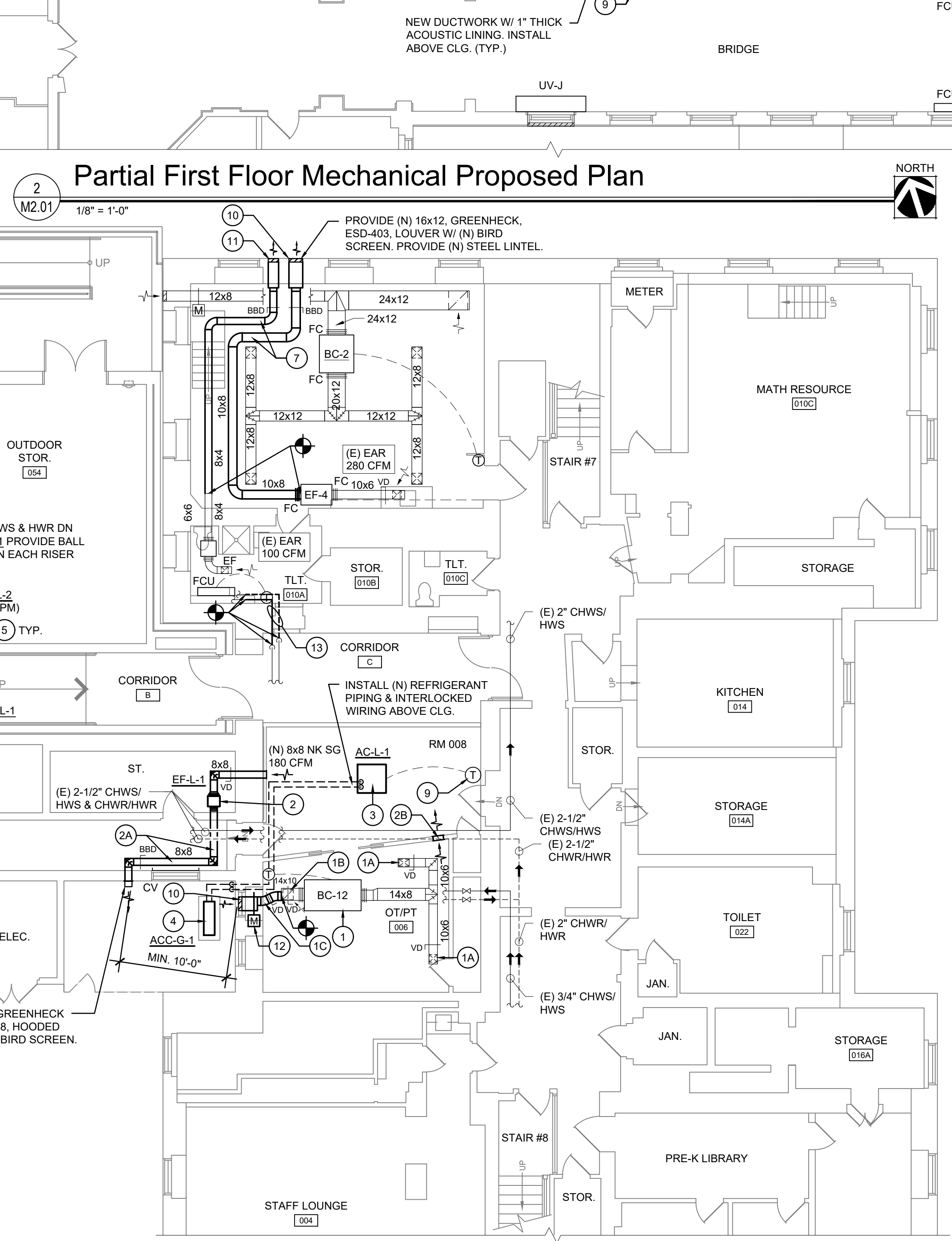
M1.02

- GENERAL MECHANICAL CONSTRUCTION NOTES
1. SIZES & LOCATIONS OF EXIST. MECH. EQUIPMENT, DUCTWORK, PIPING, AIR INLETS/OUTLETS, ETC. SHOWN ON DRAWINGS ARE BASED ON EXIST. DRAWINGS & SITE OBSERVATIONS, & THEY ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY EXACT LOCATIONS IN FIELD.
 2. NOT ALL EXIST. DUCTWORK, PIPING & UTILITIES ARE SHOWN ON DRAWINGS. VERIFY IN FIELD
 3. GC IS RESPONSIBLE TO REMOVE EXIST. SUSPENDED CEILING GRIDS, CEILING TILES, LIGHT FIXTURES, FIRE ALARM DEVICES, ETC. TO ACCOMMODATE DEMOLITION OF EXIST. HVAC/HV EQUIPMENT, DUCTWORK, PIPING, ETC. REINSTALL TO MATCH EXIST.
 4. GC IS RESPONSIBLE TO SAWCUT & CORE DRILL EXIST. WALLS / FLOORS / CLG. FOR NEW DUCTWORK / PIPING / CONDUIT PENETRATIONS. PATCH & CAULK W/ 2-HR RATED FIRESTOPPING MATERIALS.
 5. ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR MECHANICAL INSTALLATION IS THE RESPONSIBILITY OF THE GC.
 6. MC IS RESPONSIBLE TO ISOLATE / SHUT-DOWN & DRAIN-DOWN EXIST. HEATING PIPING SYSTEMS TO ACCOMMODATE MECHANICAL DEMOLITION & NEW INSTALLATION. RESTORE THE SYSTEMS AFTER ALL WORK IS COMPLETE.
 7. ALL NEW DDC WIRING SHALL BE INSTALLED CONCEALED ABOUT EXIST. / NEW SUSPENDED CLG. WHEREVER NEW THERMOSTATS ARE INSTALLED ON NEW WALLS, ALL NEW DDC WIRING FROM MECH. EQUIPMENT TO NEW THERMOSTATS SHALL BE INSTALLED CONCEALED IN WALLS. WHEREVER NEW THERMOSTATS ARE INSTALLED ON EXIST. MASONRY WALL, ALL NEW DDC WIRING FROM HVAC EQUIPMENT TO NEW THERMOSTATS SHALL BE INSTALLED IN WIREMOLD (COLOR TO BE SELECTED BY OWNER).
 8. GC IS RESPONSIBLE TO PROPERLY PROTECT EXIST. FLOORS, WALLS, CEILING, FURNITURE, EQUIPMENT, ETC. DURING CONSTRUCTION. ALL DAMAGED ITEMS SHALL BE REPAIRED/REPLACED AT EXPENSE OF THE GC.
 9. ALL EXIST. DUCTWORK & AIR INLETS/OUTLETS THAT ARE SHOWN TO REMAIN & BE REUSED SHALL BE VACUUM-CLEANED THOROUGHLY TO BE FREE OF DUST & DEBRIS. PROVIDE PHOTO DOCUMENTATION BEFORE & AFTER CLEANING.



Partial Lower Level Mechanical Proposed Plan

1
M2.01
1/8" = 1'-0"

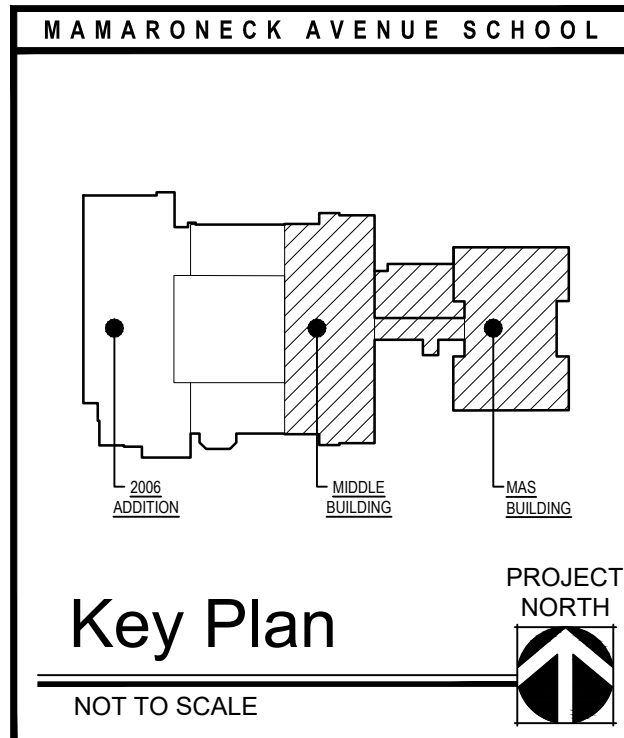


Partial First Floor Mechanical Proposed Plan

2
M2.01
1/8" = 1'-0"

ITEM #	MECHANICAL CONSTRUCTION KEY NOTES
1	EXIST. BLOWER COIL UNIT (BC-12) TO BE BALANCED TO 500 SA CFM & OA FLOW TO 180 CFM.
1A	EXIST. SUPPLY AIR OUTLETS TO BE REUSED. PROVIDE & INSTALL NEW VOLUME DAMPERS ON EXIST DUCTWORK & BALANCE TO 250 CFM EACH.
1B	EXIST. RETURN AIR INLET TO BE REUSED. PROVIDE & INSTALL NEW VOLUME DAMPER ON EXIST DUCTWORK/ REGISTER & BALANCE TO 320 CFM.
1C	NEW OUTDOOR AIR DUCTWORK.
2	PROVIDE & INSTALL NEW CEILING-HUNG EXHAUST FAN (EF) OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ DUCTWORK, DAMPERS, SUPPORTS, ELECTRICAL, CONTROLS & ALL ASSOCIATED APPURTENANCES. INTERLOCK W/ EXIST. BC-12. INSTALL BELOW EXIST. ELECTRICAL CONDUITS & PIPING. BALANCE EA FLOW TO 180 CFM.
2A	INSTALL NEW 8x8 EA DUCTWORK MIN. 6'-10" A.F.F. & BELOW EXISTING CONDUITS & PIPING.
2B	(2) NEW 12x12 TRANSFER GRILLES, ONE ON EACH SIDE OF WALL. COORDINATE FINAL LOCATION WITH THE OPERATION OF THE SLIDING DOOR.
3	PROVIDE & INSTALL NEW CEILING-MOUNTED CASSETTE TYPE AC HEAT PUMP UNIT OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL REFRIGERANT PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, BUILT-IN CONDENSATE DRAIN PUMP & ALL ASSOCIATED APPURTENANCES.
3A	PROVIDE & INSTALL NEW VRF CEILING-MOUNTED CASSETTE TYPE AC HEAT PUMP UNIT OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL REFRIGERANT PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, BUILT-IN CONDENSATE DRAIN PUMP & ALL ASSOCIATED APPURTENANCES.
4	PROVIDE & INSTALL NEW AIR-COOLED CONDENSING UNIT OF SIZE & CAPACITIES SCHEDULED ON NEW 6" HIGH CONCRETE PAD, COMPLETE W/ ALL PIPING, VALVES, SUPPORTS, CONTROLS & ALL ASSOCIATED APPURTENANCES.
5	PROVIDE & INSTALL NEW HOT WATER UNIT HEATER OF SIZE & CAPACITIES SCHEDULED AT CEILING, COMPLETE W/ ALL PIPING, VALVES, INSULATION, SUPPORTS, ELECTRICAL, CONTROLS, & ALL ASSOCIATED APPURTENANCES. SEE PIPING DETAIL 5/M6.01.
6	PROVIDE & INSTALL NEW FLOOR-MOUNTED CABINET HEATER OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, & ALL ASSOCIATED APPURTENANCES.
7	INSTALL NEW EXHAUST AIR DUCTWORK ABOVE CEILING & CONNECT TO EXIST.
8	INSTALL NEW FRESH AIR INTAKE DUCTWORK ABOVE CEILING & CONNECT TO EXIST.
9	PROVIDE NEW THERMOSTAT IN LOCKABLE ENCLOSURE.
10	PROVIDE NEW GREENHECK, ESD-403, LOUVER W/ (N) INSECT SCREEN ON UPPER WINDOW PANEL. BALANCE OUTDOOR AIR FLOW TO 180 CFM.
11	PROVIDE (N) 12x8, GREENHECK, BVE, LOUVER W/ (N) BIRD SCREEN. PROVIDE (N) STEEL LINTEL.
12	NEW MOTORIZED DAMPER TO INTERLOCK W/ ASSOCIATED MECHANICAL EQUIPMENT.
13	NEW DUAL-TEMP PIPING (CHWS/HWS & CHWR/HWR) ROUTED TO ACCOMMODATE FOR NEW CONSTRUCTION.
14	PROVIDE & INSTALL NEW VRF WALL-MOUNTED DUCTLESS SPLIT AC HEAT PUMP UNIT OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL REFRIGERANT PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, CONDENSATE DRAIN PUMP & ALL ASSOCIATED APPURTENANCES.
15	PROVIDE & INSTALL NEW HEAT RECOVER UNIT (HRU) OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL DUCTWORK, DAMPERS, LOUVERS, SUPPORTS, ELECTRICAL, CONTROLS & ALL ASSOCIATED APPURTENANCES.
15A	HRU EQUIPMENT SERVICE CLEARANCE. MINIMUM 24" SPACING FROM SERVICE COVER SIDE.

NOTE - FLOOR REPLACEMENT MECHANICAL PROPOSED WORK:
MECHANICAL EQUIPMENT (UNIT VENTILATORS (UVs), FAN COIL UNITS (FCUs), CABINET HEATERS (CHs), ETC.) & ASSOCIATED PIPE ENCLOSURES TO BE TEMPORARILY REMOVED AND SHALL BE REINSTALLED DURING FLOOR REPLACEMENT PROJECT ARE NOT SHOWN ON MECHANICAL DRAWINGS. MECHANICAL CONTRACTOR (MC) SHALL REFER TO ARCHITECTURAL DEMOLITION PLANS DRAWINGS A1.02 THRU A1.08, ARCHITECTURAL PROPOSED PLANS DRAWINGS A2.02 THRU A2.05 AND PROPOSED FLOOR FINISH PLANS A2.20 THRU A2.25 AND REFER TO NOTES #106 ON DEMOLITION KEY NOTES DRAWING A1.00 AND #82 ON CONSTRUCTION KEY NOTES DRAWING A2.00 FOR SCOPE OF WORK REQUIRED BY THE MC ASSOCIATED WITH THE FLOOR REPLACEMENT PROJECT. MC IS RESPONSIBLE FOR THIS SCOPE OF WORK.



Key Plan

NOT TO SCALE

1/10/20
MAM
IM

MICHAEL J. MCGOVERN, R.A.
REGISTERED ARCHITECT
License No. 022517-1

Revisions:
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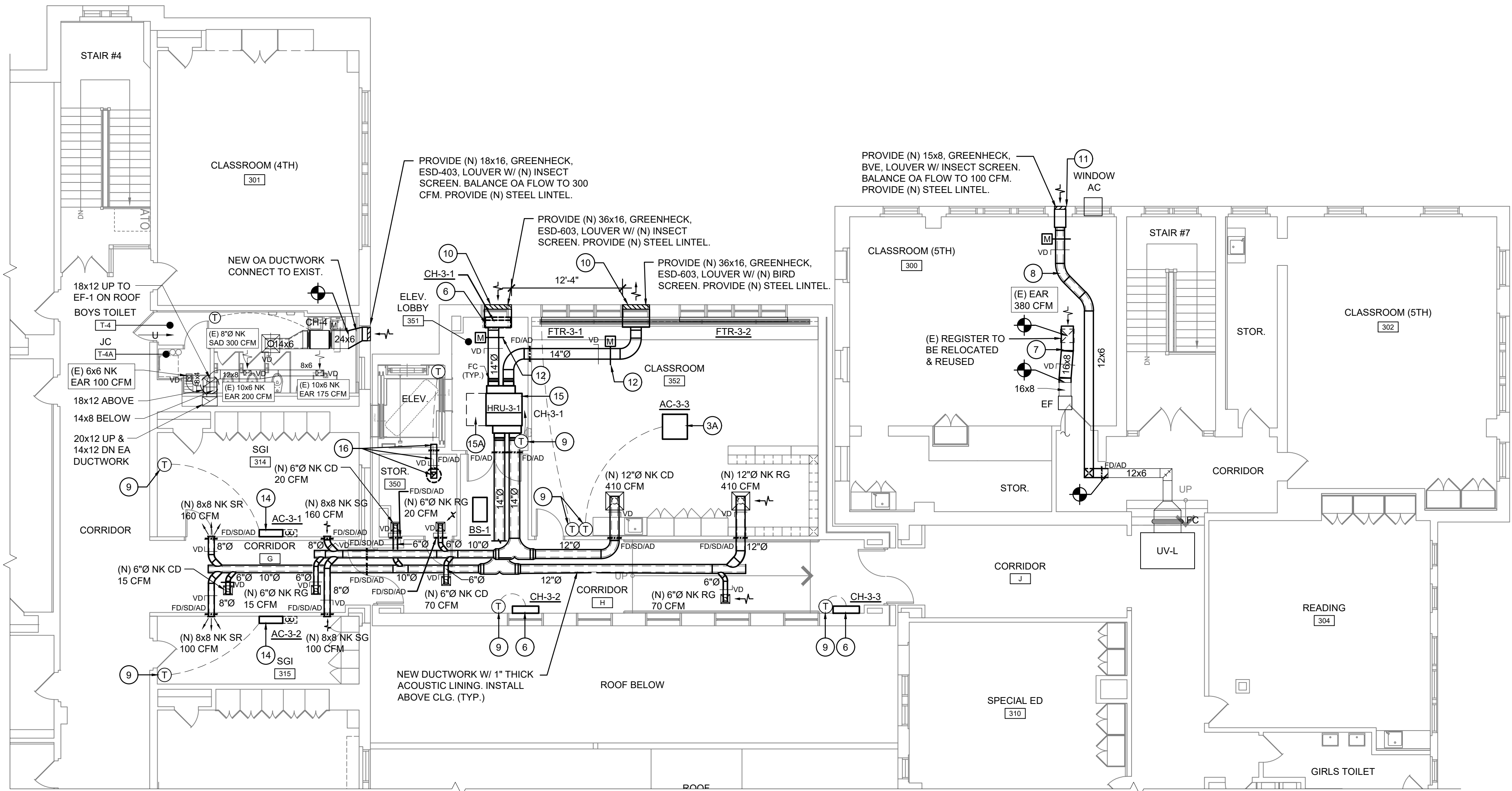
MECHANICAL PROPOSED PLANS
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M2.01

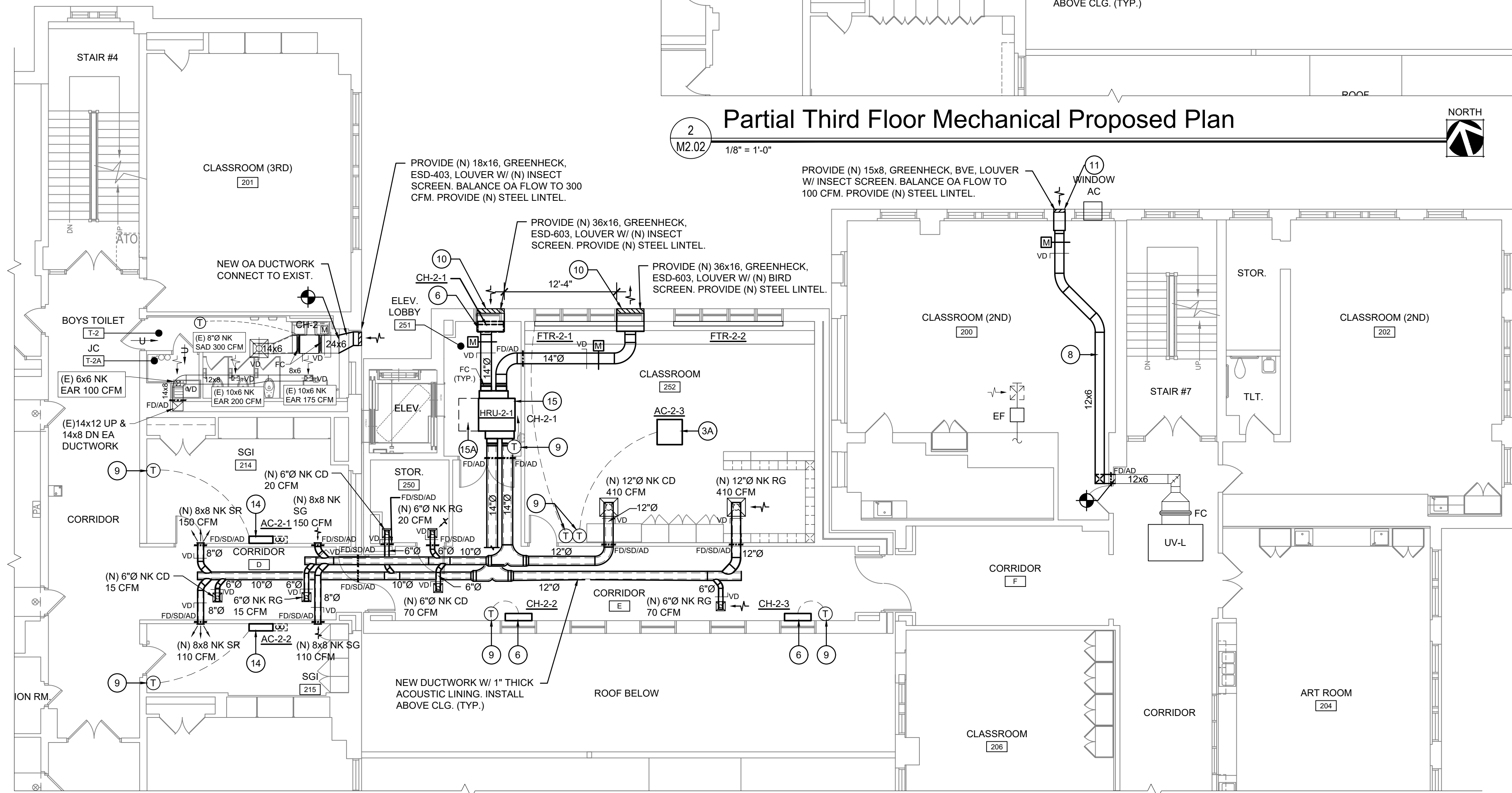
NYSED PROJECT # 66-07-01-03-0-004-030

ITEM #	MECHANICAL CONSTRUCTION KEY NOTES
(3A)	PROVIDE & INSTALL NEW VRF CEILING-MOUNTED CASSETTE TYPE AC HEAT PUMP UNIT OF SIZE & CAPACITIES SCHEDULED. COMPLETE W/ ALL REFRIGERANT PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, BUILT-IN CONDENSATE DRAIN PUMP & ALL ASSOCIATED APPURTENANCES.
(4)	PROVIDE & INSTALL NEW AIR-COOLED CONDENSING UNIT OF SIZE & CAPACITIES SCHEDULED ON NEW 6" HIGH CONCRETE PAD. COMPLETE W/ ALL PIPING, VALVES, SUPPORTS, CONTROLS & ALL ASSOCIATED APPURTENANCES.
(6)	PROVIDE & INSTALL NEW FLOOR-MOUNTED CABINET HEATER OF SIZE & CAPACITIES SCHEDULED. COMPLETE W/ PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, & ALL ASSOCIATED APPURTENANCES.
(7)	INSTALL NEW EXHAUST AIR DUCTWORK ABOVE CEILING & CONNECT TO EXIST.
(8)	INSTALL NEW FRESH AIR INTAKE DUCTWORK ABOVE CEILING & CONNECT TO EXIST.
(9)	PROVIDE NEW THERMOSTAT IN LOCKABLE ENCLOSURE.
(10)	PROVIDE NEW GREENHECK, LOUVER W/ (N) BIRD SCREEN.
(11)	PROVIDE (N) 15x8, GREENHECK, BVE, LOUVER W/ (N) INSECT SCREEN.
(12)	NEW MOTORIZED DAMPER TO INTERLOCK W/ ASSOCIATED MECHANICAL EQUIPMENT.
(13)	NEW DUAL-TEMP (CHW/HW) PIPING RELOCATED TO ACCOMMODATE FOR NEW CONSTRUCTION.
(14)	PROVIDE & INSTALL NEW VRF WALL-MOUNTED DUCTLESS SPLIT AC HEAT PUMP UNIT OF SIZE & CAPACITIES SCHEDULED. COMPLETE W/ ALL REFRIGERANT PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, CONDENSATE DRAIN PUMP & ALL ASSOCIATED APPURTENANCES.
(15)	PROVIDE & INSTALL NEW HEAT RECOVER UNIT (HRU) OF SIZE & CAPACITIES SCHEDULED. COMPLETE W/ ALL DUCTWORK, DAMPERS, LOUVERS, SUPPORTS, ELECTRICAL, CONTROLS & ALL ASSOCIATED APPURTENANCES.
(15A)	HRU EQUIPMENT SERVICE CLEARANCE. MINIMUM 24" SPACING FROM SERVICE COVER SIDE.
(16)	NEW 8x8 ELEVATOR EXHAUST AIR DUCTWORK ABOVE CEILING. OPEN-ENDED DUCTWORK IN ELEVATOR SHAFT UP TO EF-R-1 ON ROOF. SEE DWG 2/M3.02 FOR CONTINUATION. REFER TO DETAIL 6/M6.01 FOR ADDITIONAL INFORMATION.



Partial Third Floor Mechanical Proposed Plan

1/8" = 1'-0"



Partial Second Floor Mechanical Proposed Plan

1/8" = 1'-0"

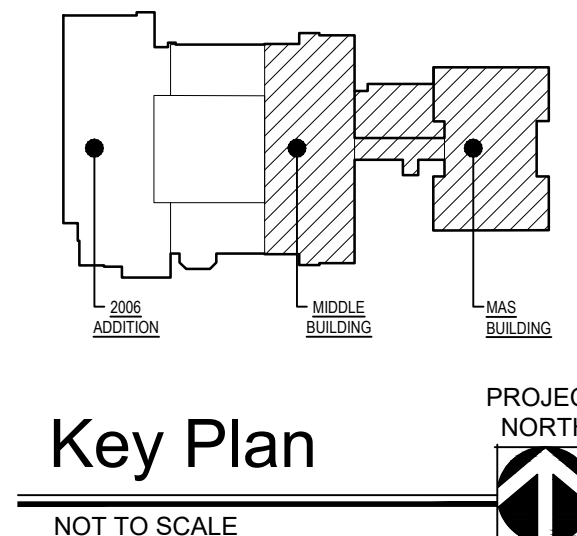


GENERAL MECHANICAL CONSTRUCTION NOTES

- SIZES & LOCATIONS OF EXIST. MECH. EQUIPMENT, DUCTWORK, PIPING, AIR INLETS/OUTLETS, ETC. SHOWN ON DRAWINGS ARE BASED ON EXIST. DRAWINGS & SITE OBSERVATIONS, & THEY ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY EXACT LOCATIONS IN FIELD.
- NOT ALL EXIST. DUCTWORK, PIPING & UTILITIES ARE SHOWN ON DRAWINGS. VERIFY IN FIELD.
- GC IS RESPONSIBLE TO REMOVE EXIST. SUSPENDED CEILING GRIDS, CEILING TILES, LIGHT FIXTURES, FIRE ALARM DEVICES, ETC. TO ACCOMMODATE DEMOLITION OF EXIST. HVAC/HV EQUIPMENT, DUCTWORK, PIPING, ETC. REINSTALL TO MATCH EXIST.
- GC IS RESPONSIBLE TO SAWCUT & CORE DRILL EXIST. WALLS / FLOORS / CLG. FOR NEW DUCTWORK / PIPING / CONDUIT PENETRATIONS. PATCH & CAULK W/ 2-HR RATED FIRESTOPPING MATERIALS.
- ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR MECHANICAL INSTALLATION IS THE RESPONSIBILITY OF THE GC.
- MC IS RESPONSIBLE TO ISOLATE / SHUT-DOWN & DRAIN-DOWN EXIST. HEATING PIPING SYSTEMS TO ACCOMMODATE MECHANICAL DEMOLITION & NEW INSTALLATION. RESTORE THE SYSTEMS AFTER ALL WORK IS COMPLETE.
- ALL NEW DDC WIRING SHALL BE INSTALLED CONCEALED ABOUT EXIST. / NEW SUSPENDED CLG. WHEREVER NEW THERMOSTAT ARE INSTALLED ON NEW WALLS, ALL NEW DDC WIRING FROM MECH. EQUIPMENT TO NEW THERMOSTATS SHALL BE INSTALLED CONCEALED IN WALLS. WHEREVER NEW THERMOSTATS ARE INSTALLED ON EXIST. MASONRY WALL, ALL NEW DDC WIRING FROM HVAC EQUIPMENT TO NEW THERMOSTATS SHALL BE INSTALLED IN WIREMOLD (COLOR TO BE SELECTED BY OWNER).
- GC IS RESPONSIBLE TO PROPERLY PROTECT EXIST. FLOORS, WALLS, CEILING, FURNITURE, EQUIPMENT, ETC. DURING CONSTRUCTION. ALL DAMAGED ITEMS SHALL BE REPAIRED/REPLACED AT EXPENSE OF THE GC.
- ALL EXIST. DUCTWORK & AIR INLETS/OUTLETS THAT ARE SHOWN TO REMAIN & BE REUSED SHALL BE VACUUM-CLEANED THOROUGHLY TO BE FREE OF DUST & DEBRIS. PROVIDE PHOTO DOCUMENTATION BEFORE & AFTER CLEANING.

NOTE - FLOOR REPLACEMENT MECHANICAL PROPOSED WORK:
MECHANICAL EQUIPMENT (UNIT VENTILATORS (UVs), FAN COIL UNITS (FCUs), CABINET HEATERS (CHs), ETC.) & ASSOCIATED PIPE ENCLOSURES TO BE TEMPORARILY REMOVED AND SHALL BE REINSTALLED DURING FLOOR REPLACEMENT PROJECT ARE NOT SHOWN ON MECHANICAL DRAWINGS. MECHANICAL CONTRACTOR (MC) SHALL REFER TO ARCHITECTURAL DEMOLITION PLANS DRAWINGS A1.02 THRU A1.05, ARCHITECTURAL PROPOSED PLANS DRAWINGS A2.02 THRU A2.05 AND PROPOSED FLOOR FINISH PLANS A2.20 THRU A2.25 AND REFER TO NOTES #106 ON DEMOLITION KEY NOTES DRAWING A1.00 AND #62 ON CONSTRUCTION KEY NOTES DRAWING A2.00 FOR SCOPE OF WORK REQUIRED BY THE MC ASSOCIATED WITH THE FLOOR REPLACEMENT PROJECT. MC IS RESPONSIBLE FOR THIS SCOPE OF WORK.

MAMARONECK AVENUE SCHOOL



Key Plan

NOT TO SCALE

MICHAEL J. MCGOVERN, R.A.

Revisions:
ISSUE TO BD
11/23/20

LAN ASSOCIATES

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NYSED PROJECT # 66-07-01-03-0-004-030

MECHANICAL PROPOSED PLANS

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL

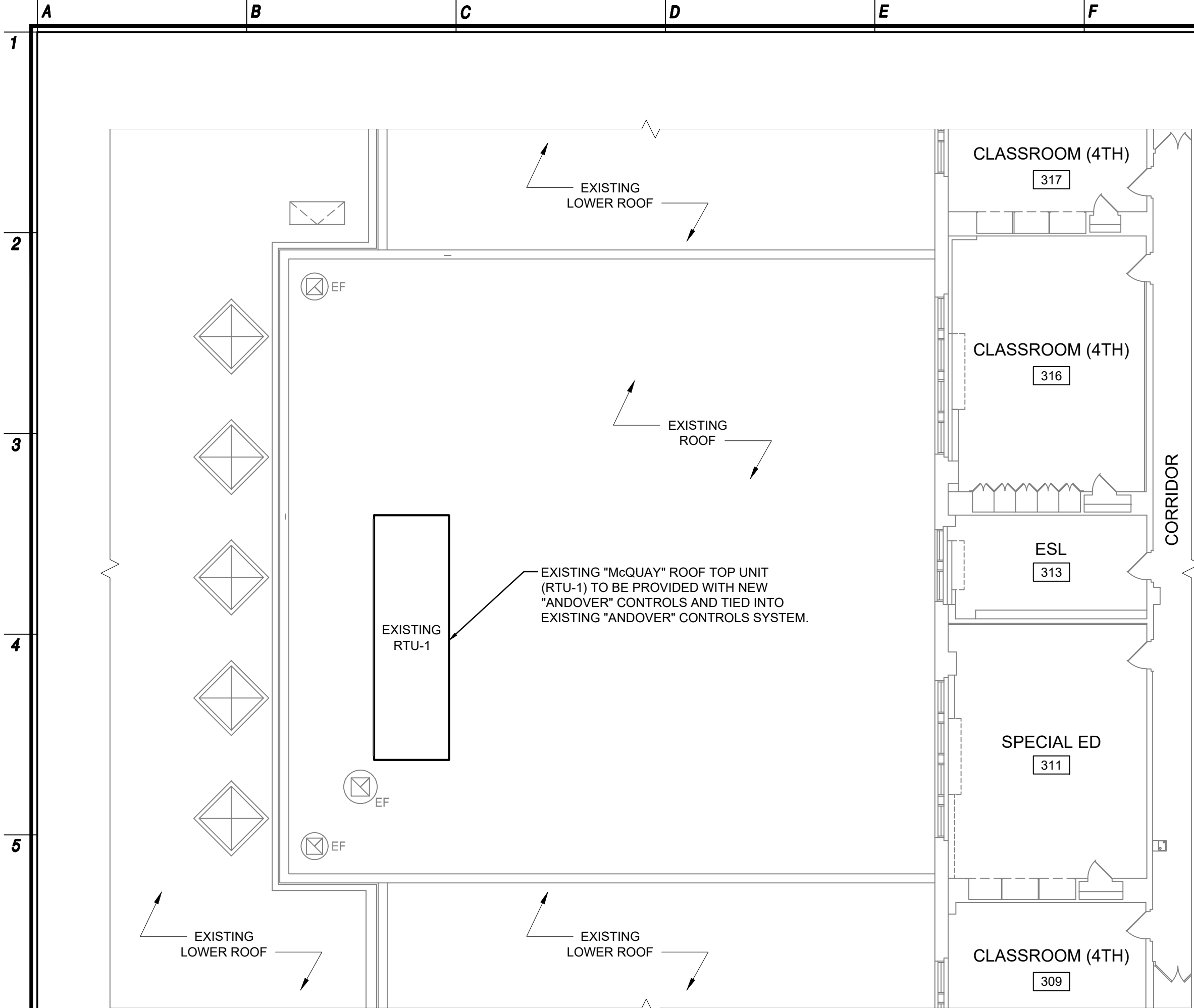
MAMARONECK UNION FREE SCHOOL DISTRICT

850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

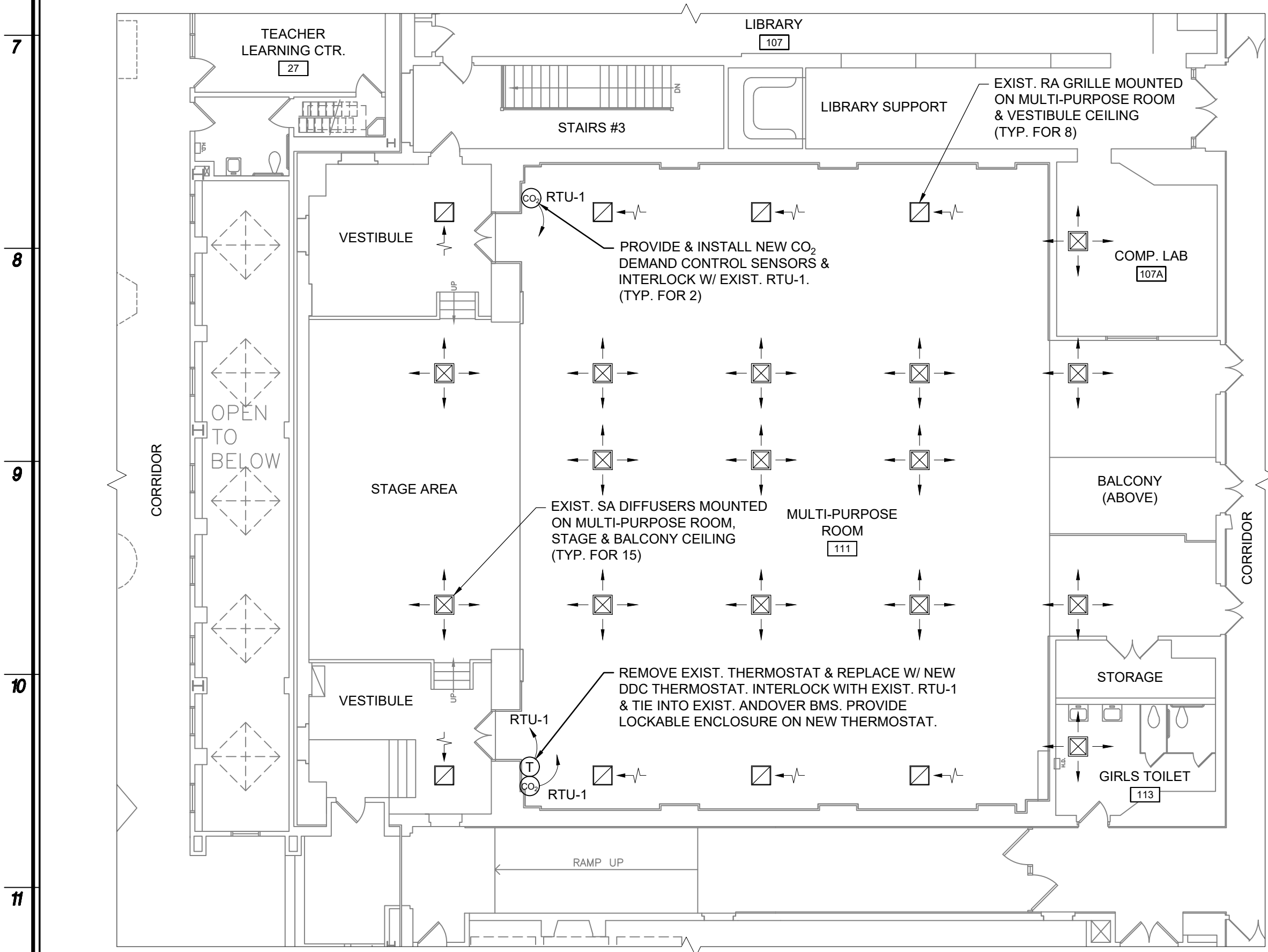
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M2.02



Roof/Third Floor DDC Replacement Plan

2
M2.03
3/32" = 1'-0"



Multipurpose Room DDC Replacement Plan

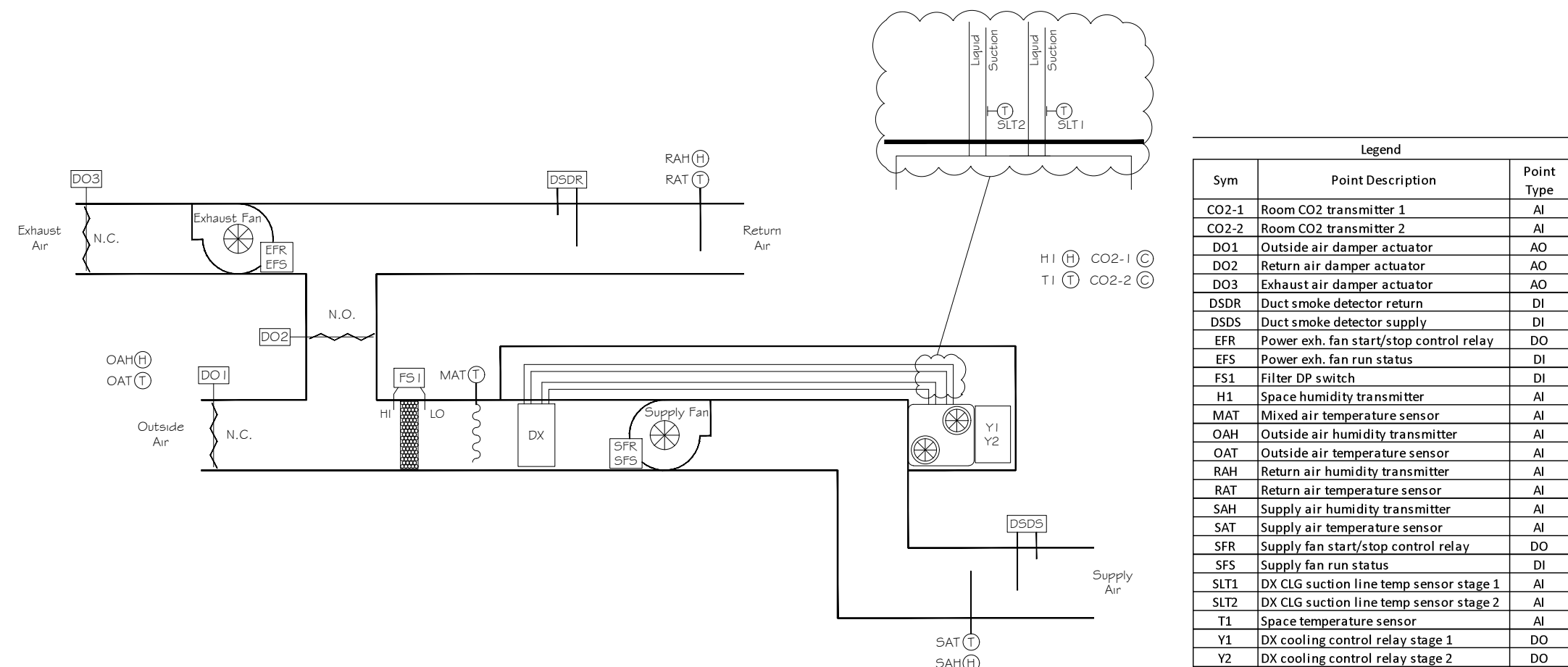
1
M2.03
3/32" = 1'-0"



EXISTING PACKAGED ROOFTOP AIR CONDITIONING UNIT SCHEDULE																							FOR INFORMATION ONLY					
TAG No.	AREA SERVED	MFG'R	MODEL No.	SUPPLY (CFM)	MIN. O.A. (CFM)	MAX. O.A. (CFM)	SUPPLY FAN DATA			RETURN/SPILL FAN DATA			COOLING COIL					ELECTRICAL DATA			EFFICIENCY		UNIT WT. (LBS)	REMARKS				
							ESP. (IN)	RPM	BHP	HP	CFM	ESP. (IN)	RPM	BHP	HP	COOLING (TMBH)	COOLING (SMBH)	EADB (°F)	EAWB (°F)	LADB (°F)	LAWB (°F)	MCA			MOP	VOLT/PH/Hz	PRE-FILTER	FINE-FILTER
RTU-1	MULTIPURPOSE ROOM	McQUAY	RPS050C	15,000	1,250	6,200	1.25	638	10.7	15	14,000	0.75	525	3.0	3.0	642.7	470.6	83	68	54.3	54.0	249.4	250	208/3/60	30%	95%	10,800	WITH THERMOSTAT, CONVENIENCE OUTLET; DISCONNECT SWITCH; DUAL ENTHALPY AIR SIDE ECONOMIZER; CO2 DEMAND CONTROLLED VENTILATION; SMOKE DETECTOR AND SHUTDOWN.

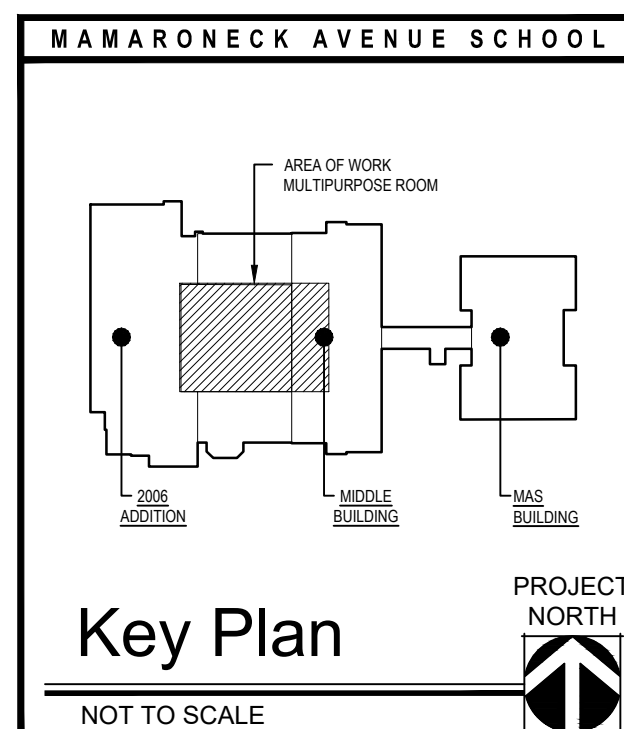
VENTILATION INDEX																		
UNIT SERVED	ROOM NAME & NUMBER	OCCUPANCY CLASSIFICATION	FLOOR AREA (SQ. FT.)	REQUIRED O.A. PER SQ. FT.	REQUIRED O.A. FOR SPACE	OCCUPANCY DENSITY PER 1,000 FT²	OCCUPANCY BASED ON DENSITY	VENTILATION OCCUPANCY	REQUIRED O.A. PER PERSON	REQUIRED O.A. FOR OCCUPANCY	TOTAL REQUIRED O.A. (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ZONE MIN. O.A. REQUIRED (CFM)	ACTUAL O.A. (CFM)	EXHAUST AIR (CFM)	REMARKS		
EXIST. RTU-1	MULTI-PURPOSE ROOM 111 & STAGE	MULTIUSE ASSEMBLY	4,972	0.06	298	100	497	497	7.5	3,728	4,026	0.8	5,032	5,050				
EXIST. RTU-1	BALCONY	AUDITORIUMS	1,034	0.06	62	150	155	160	5	800	862	0.8	1,078	1,100		SEE NOTE #1.		
EXIST. RTU-1	VESTIBULES	CORRIDORS	564	0.06	34	-	-	-	-	-	34	0.8	42	50		SEE NOTE #2.		
													TOTAL	6,152	6,200			

NOTES:
1. VENTILATION OCCUPANCY IS BASED ON TOTAL SEATING.
2. MAKEUP AIR TO VESTIBULES FROM STAGE THROUGH OPEN SPACE.



Existing Rooftop Unit (RTU-1) Flow Diagram

3
M2.03
NOT TO SCALE



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License No. 022257-1

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11/23/20

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NYSED PROJECT # 66-07-01-03-0-004-030

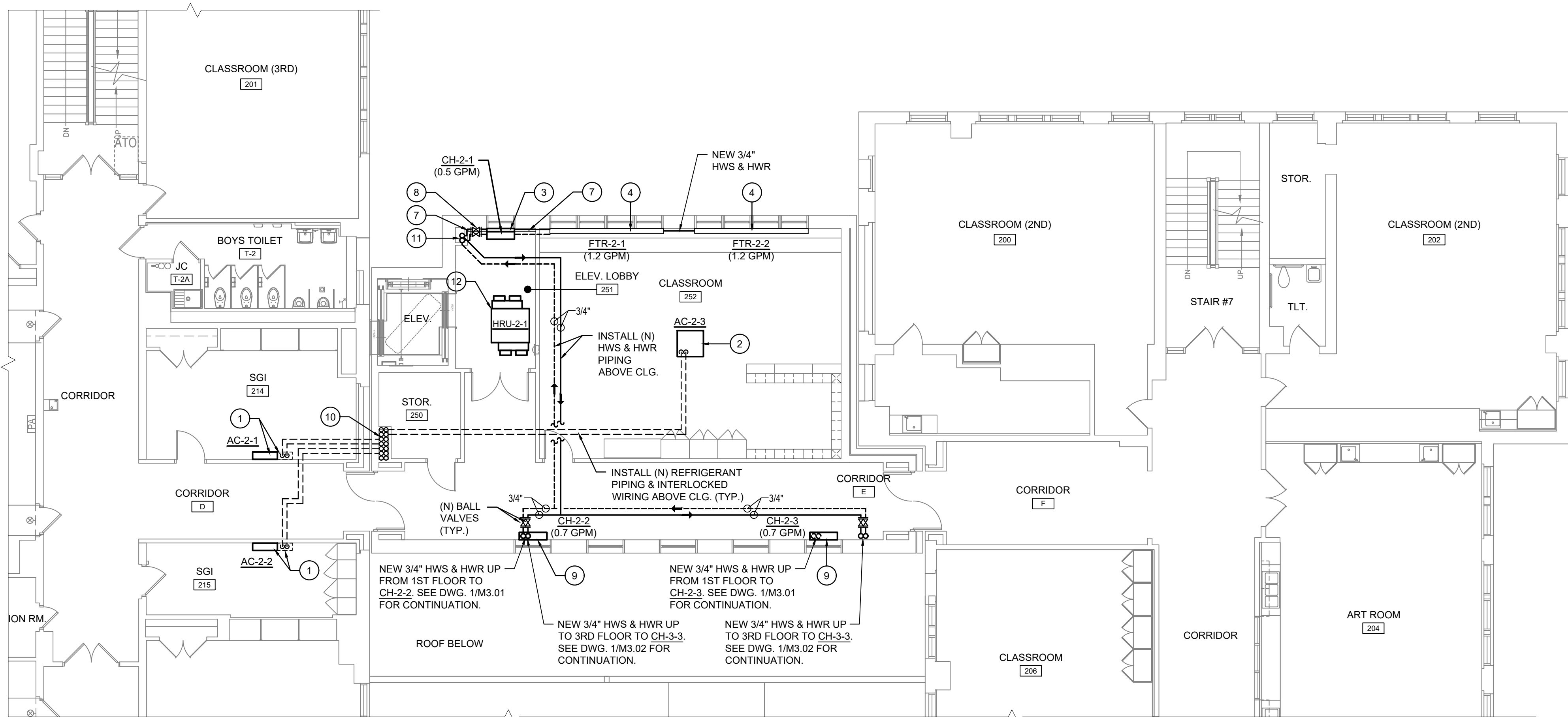
MECHANICAL PROPOSED PLANS
2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2

File No. 10927202M201

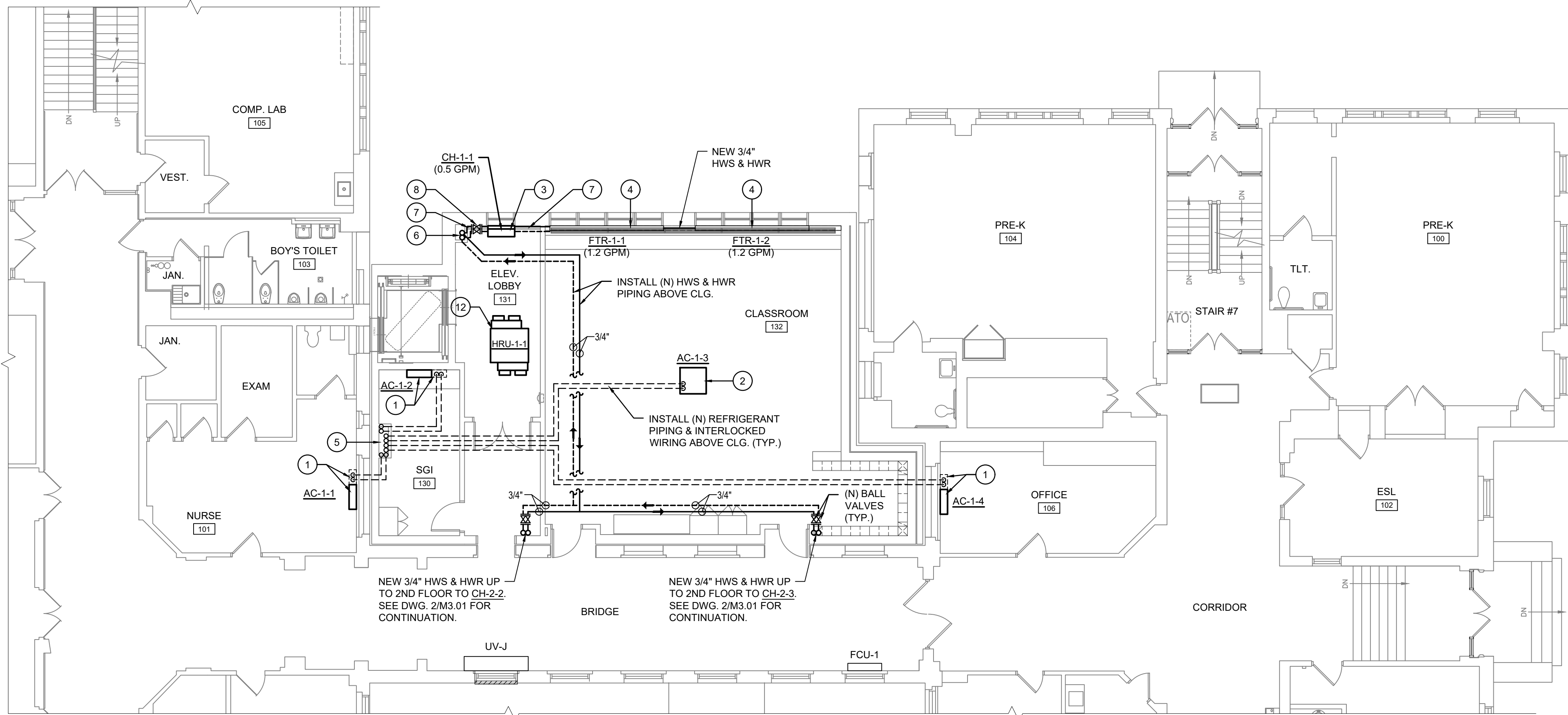
M2.03



2
M3.01
1/8" = 1'-0"

PARTIAL SECOND FLOOR MECHANICAL PROPOSED PLAN

NORTH



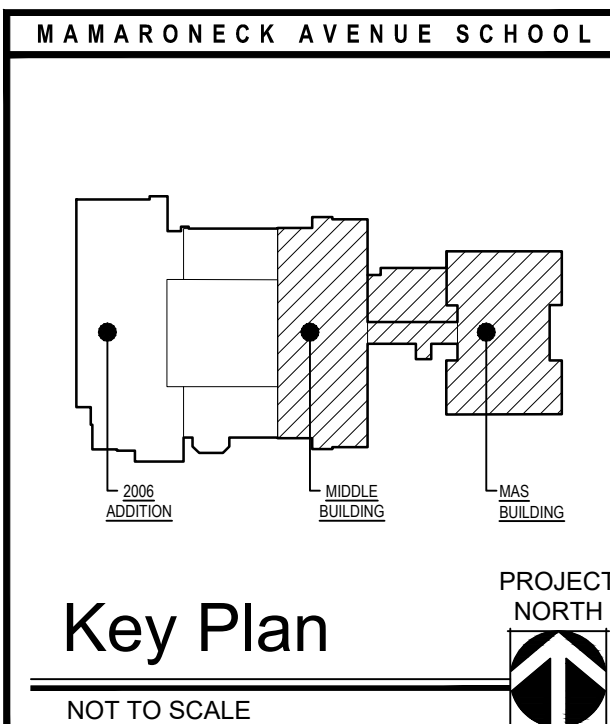
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M3.01
1/8" = 1'-0"

PARTIAL FIRST FLOOR MECHANICAL PROPOSED PLAN

NORTH

ITEM #	MECHANICAL CONSTRUCTION KEY NOTES
1	PROVIDE & INSTALL NEW VRF WALL-MOUNTED DUCTLESS SPLIT AC HEAT PUMP UNIT OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL REFRIGERANT PIPING, SUPPORTS, ELECTRICAL, CONTROLS, CONDENSATE DRAIN PUMP & ALL ASSOCIATED APPURTENANCES. RUN NEW REFRIGERANT PIPING & INTERLOCKED WIRING DOWN IN NEW TRUNKING (ASPEN PUMPS OR APPROVED EQUAL) FROM CEILING DOWN TO BOTTOM OF AC UNIT.
2	PROVIDE & INSTALL NEW VRF CEILING-MOUNTED CASSETTE TYPE DUCTLESS SPLIT AC HEAT PUMP UNIT OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL REFRIGERANT PIPING, SUPPORTS, ELECTRICAL, CONTROLS, BUILT-IN CONDENSATE DRAIN PUMP & ALL ASSOCIATED APPURTENANCES.
3	PROVIDE & INSTALL NEW FLOOR-MOUNTED HOW WATER CABINET HEATER OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, 4" FALSE BACK & ALL ASSOCIATED APPURTENANCES. RUN NEW 3/4" HWS & HWR MAINS CONCEALED IN FALSE BACK.
4	PROVIDE & INSTALL NEW WALL-MOUNTED HOW WATER BARE ELEMENT FTR OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS & ALL ASSOCIATED APPURTENANCES. SEE PIPING DETAIL 3/M6.02. INSTALL BEHIND NEW CASEWORK. REFER TO ARCH. DWGS.
5	NEW REFRIGERANT PIPING AND INTERLOCKED WIRING DOWN FROM 2ND FLOOR CHASE. SEE DWG. 2/M3.01 FOR CONTINUATION.
6	NEW 1-1/4" HWS & HWR PIPING UP FROM LOWER LEVEL IN CHASE TO ABOVE 1ST FLOOR CEILING & 1" HWS & HWR PIPING UP TO 2ND FLOOR CHASE. SEE DWG. 1/M2.01 & 2/M3.01 FOR CONTINUATION.
7	RUN NEW 3/4" HWS & HWR PIPING CONCEALED IN NEW METAL COVER. MANUFACTURER TO PROVIDE METAL PIPE COVER. COLOR TO BE SELECTED BY OWNER.
8	PROVIDE NEW BALL VALVES ON 3/4" HWS & HWR PIPING MAINS.
9	PROVIDE & INSTALL NEW FLOOR-MOUNTED CABINET HEATER OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ PIPING, VALVES, SUPPORTS, ELECTRICAL, CONTROLS, & ALL ASSOCIATED APPURTENANCES.
10	NEW REFRIGERANT PIPING AND INTERLOCKED WIRING IN CHASE DOWN FROM 3RD FLOOR CHASE TO 1ST FLOOR CEILING. SEE DWGS. 1/M3.01 & 1/M3.02 FOR CONTINUATION.
11	NEW 1" HWS & HWR PIPING UP FROM 1ST FLOOR IN CHASE TO ABOVE 2ND FLOOR CEILING & 3/4" HWS & HWR PIPING UP TO 3RD FLOOR CHASE. SEE DWG. 1/M3.01 & 1/M3.02 FOR CONTINUATION.
12	PROVIDE & INSTALL NEW HEAT RECOVER UNIT (HRU) OF SIZE & CAPACITIES SCHEDULED, COMPLETE W/ ALL DUCTWORK, DAMPERS, LOUVERS, SUPPORTS, ELECTRICAL, CONTROLS & ALL ASSOCIATED APPURTENANCES.

GENERAL MECHANICAL CONSTRUCTION NOTES
1. SIZES & LOCATIONS OF EXIST. MECH. EQUIPMENT, DUCTWORK, PIPING, AIR INLETS/OUTLETS, ETC. SHOWN ON DRAWINGS ARE BASED ON EXIST. DRAWINGS & SITE OBSERVATIONS, & THEY ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY EXACT LOCATIONS IN FIELD.
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3. GC IS RESPONSIBLE TO REMOVE EXIST. SUSPENDED CEILING GRIDS, CEILING TILES, LIGHT FIXTURES, FIRE ALARM DEVICES, ETC. TO ACCOMMODATE DEMOLITION OF EXIST. HVAC/HV EQUIPMENT, DUCTWORK, PIPING, ETC. REINSTALL TO MATCH EXIST.
4. GC IS RESPONSIBLE TO SAWCUT & CORE DRILL EXIST. WALLS / FLOORS / CLG. FOR NEW DUCTWORK / PIPING / CONDUIT PENETRATIONS. PATCH & CAULK W/ 2-HR RATED FIRESTOPPING MATERIALS.
5. ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR MECHANICAL INSTALLATION IS THE RESPONSIBILITY OF THE GC.
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8. GC IS RESPONSIBLE TO PROPERLY PROTECT EXIST. FLOORS, WALLS, CEILING, FURNITURE, EQUIPMENT, ETC. DURING CONSTRUCTION. ALL DAMAGED ITEMS SHALL BE REPAIRED/REPLACED AT EXPENSE OF THE GC.
9. ALL EXIST. DUCTWORK & AIR INLETS/OUTLETS THAT ARE SHOWN TO REMAIN & BE REUSED SHALL BE VACUUM-CLEANED THOROUGHLY TO BE FREE OF DUST & DEBRIS. PROVIDE PHOTO DOCUMENTATION BEFORE & AFTER CLEANING.



MICHAEL J. MCGOVERN, R.A.

Revisions:
1/10/20
11/23/20

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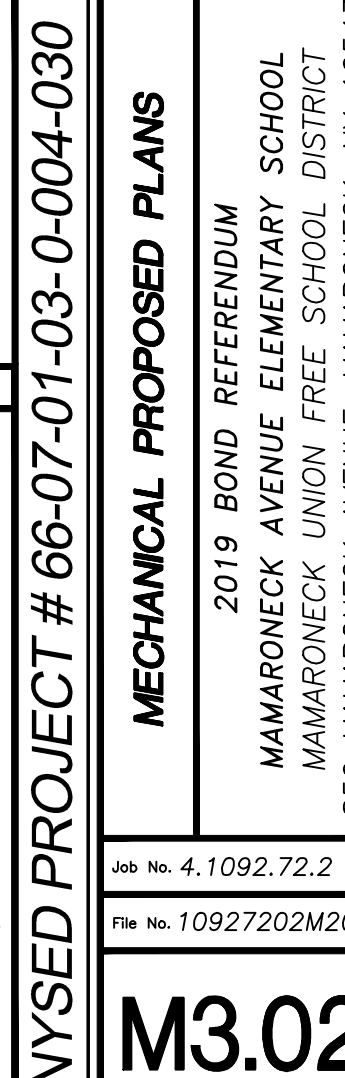
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MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543
Job No. 4.1092.72.2
File No. 10927202M201
M3.01



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M3.02

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OUTDOOR AIR COOLED CONDENSING UNIT SCHEDULE														(DAIKIN AS STANDARD)	
TAG NO.	LOCATION	AREA SERVED	UNIT SERVED	COOLING (TMBH)	HEATING (TMBH)	AMBIENT TEMP (°F)	ELECTRICAL DATA V - PH - HZ	MCA	MOP	IEER	EER	MODEL & MANUFACTURER	DIMENSIONS (W x H x D) (IN.)	APPROX. WEIGHT (LBS.)	REMARKS
ACC-R-1	ROOF	NEW SGI & CLASSROOMS	AC-1-1 THRU 3-3	144	111	95	208 - 3 - 60	58.3	70	24.8	12.3	REYQ144TATJU DAIKIN	48.9 x 66.7 x 30.2	703	SEE NOTE(S) BELOW
ACC-G-1	GRADE	ROOM 008	AC-L-1	18	20	95	208 - 1 - 60	16.5	25	18.6	13	RZQ18TAVJU DAIKIN	37 x 39 x 12-5/8	175	SEE NOTE(S) BELOW
NOTES: PROVIDE WITH LOW AMBIENT CONTROL TO 0°F, INTERLOCK WITH RESPECTIVE AC UNITS. ELECTRICAL SUBCONTRACTOR SHALL FURNISH & INSTALL NEMA 3R DISCONNECT SWITCH & GFI CONVENIENCE OUTLET FOR EACH UNIT. REFER TO ELECTRICAL DRAWINGS															

INDOOR DUCTLESS AIR-CONDITIONING / HEAT PUMP UNIT SCHEDULE												(DAIKIN AS STANDARD)
TAG NO.	LOCATION	COOLING (TMBH)	HEATING (TMBH)	ENT. TEMP DB / WB(°F)	SUCTION TEMP (°F)	ELECTRICAL DATA V - PH - HZ	MCA	MOP	MODEL & MANUFACTURER	DIMENSIONS (W x H x D) (IN.)	APPROX. WEIGHT (LBS.)	REMARKS
AC-L-1	RM 008	18	20	79 / 66	42.8	208 - 1 - 60	0.6	15	FCQ18TAVJU DAIKIN	33.1 x 10 x 33.1	63	SEE NOTE(S) BELOW
AC-1-1	NURSE 101	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW
AC-1-2	SGI 130	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW
AC-1-3	CLASSROOM 132	34.1	41.5	79 / 66	42.8	208 - 1 - 60	1.5	15	FXFQ36TVJU DAIKIN	33.1 x 11.3 x 33.1	57.3	SEE NOTE(S) BELOW
AC-1-4	OFFICE 106	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW
AC-2-1	SGI 214	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW
AC-2-2	SGI 215	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW
AC-2-3	CLASSROOM 252	22.7	28.0	79 / 66	42.8	208 - 1 - 60	0.7	15	FXFQ24TVJU DAIKIN	33.1 x 9.7 x 33.1	50.7	SEE NOTE(S) BELOW
AC-3-1	SGI 314	9	11.1	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ09PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW
AC-3-2	SGI 315	7	8.7	79 / 66	42.8	208 - 1 - 60	0.3	15	FXAQ07PVJU DAIKIN	31.3 x 11.4 x 9.3	26.5	SEE NOTE(S) BELOW
AC-3-3	CLASSROOM 352	28.4	35.3	79 / 66	42.8	208 - 1 - 60	1.5	15	FXFQ30TVJU DAIKIN	33.1 x 11.3 x 33.1	57.3	SEE NOTE(S) BELOW
NOTES: PROVIDE "DAIKIN" REMOTE CONTROLLER, WALL MOUNTING BRACKET, PROPER REFRIGERANT CHARGE. INTERLOCK WITH RESPECTIVE CONDENSING UNIT. PROVIDE WITH MINI "DAIKIN" CONDENSATE PUMP (MODEL # DACA-CP1-1. PROVIDE WITH CONDENSATE DRAIN WATER-LEVEL DETECTOR SWITCH TO PREVENT ANY DAMAGE TO ANY BUILDING COMPONENT AS A RESULT OF OVERFLOW FROM THE EQUIPMENT PRIMARY DRAIN.												

HEAT RECOVERY UNIT VENTILATOR SCHEDULE										(DAIKIN AS STANDARD)	
TAG NO.	QTY	AREA SERVED	SUPPLY AIR (CFM)	EXHAUST AIR (CFM)	ELECTRICAL DATA V - PH - HZ	MCA	MOP	MODEL & MANUFACTURER	DIMENSIONS (L x W x H) (IN.)	APPROX. WEIGHT (LBS.)	REMARKS
HRU-1-1	1	1ST FLOOR SGI & CLASSROOMS	845	800	208 - 1 - 60	8.1	15	VAM1200GVJU DAIKIN	64 x 48 x 30	350	SEE NOTE(S) BELOW
HRU-2-1	1	2ND FLOOR SGI & CLASSROOMS	775	775	208 - 1 - 60	8.1	15	VAM1200GVJU DAIKIN	64 x 48 x 30	350	SEE NOTE(S) BELOW
HRU-3-1	1	3RD FLOOR SGI & CLASSROOMS	775	775	208 - 1 - 60	8.1	15	VAM1200GVJU DAIKIN	64 x 48 x 30	350	SEE NOTE(S) BELOW
NOTES: 1. PROVIDE FUSED DISCONNECT SWITCH. 2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY TYPE. 3. BAROMETRIC OUTDOOR AIR DAMPER 4. UNIT TO BE TIED INTO EXISTING BMS SYSTEM											

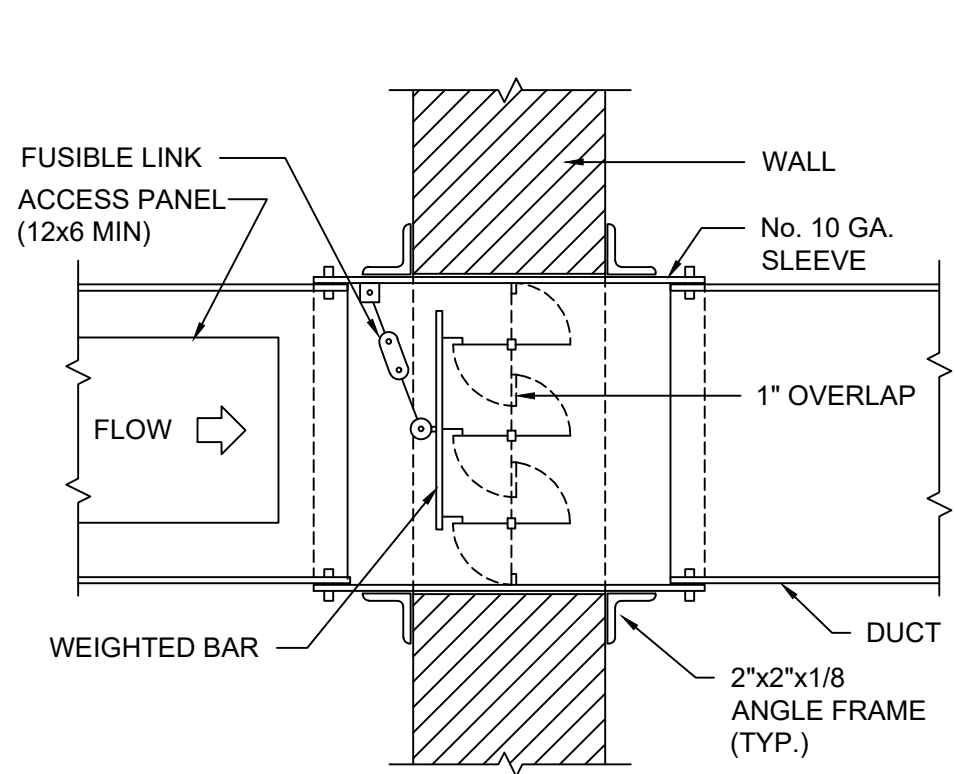
HOT WATER CABINET HEATER SCHEDULE														(TRANE AS STANDARD)	
TAG NO.	AREA SERVED	CFM	HOT WATER HEATING				HP	ELECTRICAL DATA V - PH - HZ	FLA	MOP	MODEL & MANUFACTURER		DIMENSIONS (L x W x H) (IN)	APPROX. UNIT WEIGHT (LBS)	REMARKS
			MBH	EWLT (°F)	LWT (°F)	GPM									
CH-L-1	ELEV. LOBBY 052	540	16.0	180	160	1.6	0.22	208 - 1 - 60	3.1	15	FFBB-040	TRANE	38 x 10 x 25	125	SEE NOTE(S) BELOW
CH-1-1	ELEV. LOBBY 131	220	5.0	180	160	0.5	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-2-1	ELEV. LOBBY 251	220	5.0	180	160	0.5	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-2-2	CORRIDOR E	220	6.8	180	160	0.7	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-2-3	CORRIDOR E	220	6.8	180	160	0.7	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-3-1	ELEV. LOBBY 351	220	5.0	180	160	0.5	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-3-2	CORRIDOR H	220	8.4	180	160	0.8	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
CH-3-3	CORRIDOR H	220	8.4	180	160	0.8	0.22	208 - 1 - 60	3.1	15	FFBB-020	TRANE	34 x 10 x 25	97	SEE NOTE(S) BELOW
NOTES: 1. PROVIDE W/ HW HEATING COIL, FACTORY INSTALLED DELUXE PIPING PACKAGE OPTION #F W/ 3-WAY MODULATING CONTROL VALVE FOR EACH UNIT. 2. PROVIDE W/ ECM MOTOR, FRONT BAR GRILLE INLET & TOP BAR GRILLE OUTLET, FILTERS, KEYLOCK PANEL & ACCESS DOOR, & DISCONNECT SWITCH FOR EACH UNIT. 3. CH-1-1, CH-2-1 & CH-3-1 SHALL BE PROVIDED W/ 4-IN. FALSE BACK 4. UNIT COLOR TO BE SELECTED BY OWNER, PROVIDE COLOR CHART. 5. EACH UNIT TO BE TIED INTO EXISTING BMW SYSTEM.															

HOT WATER UNIT HEATER SCHEDULE												(REZNOR AS STANDARD)
TAG NO.	LOCATION	CFM	HP	HOT WATER HEATING					ELECTRICAL DATA V - PH - HZ	MODEL & MANUFACTURER		REMARKS
				MBH	EWLT (°F)	LWT (°F)	GPM	WPD				
UH-L-1	RECEIVING/ STORAGE 053	270	0.04	18	180	160	1.8	0.06	115 - 1 - 60	WS-18/24	REZNOR	PROVIDE W/ 4-WAY DIFFUSER, OSHA FAN GUARD, DISCONNECT SWITCH, TRANSFORMER, & HEAVY DUTY THERMOSTAT.
UH-L-1	OUTDOOR STOR. 054	330	0.05	23	180	160	2.3	0.01	115 - 1 - 60	WS-23/33	REZNOR	PROVIDE W/ 4-WAY DIFFUSER, OSHA FAN GUARD, DISCONNECT SWITCH, TRANSFORMER, & HEAVY DUTY THERMOSTAT.

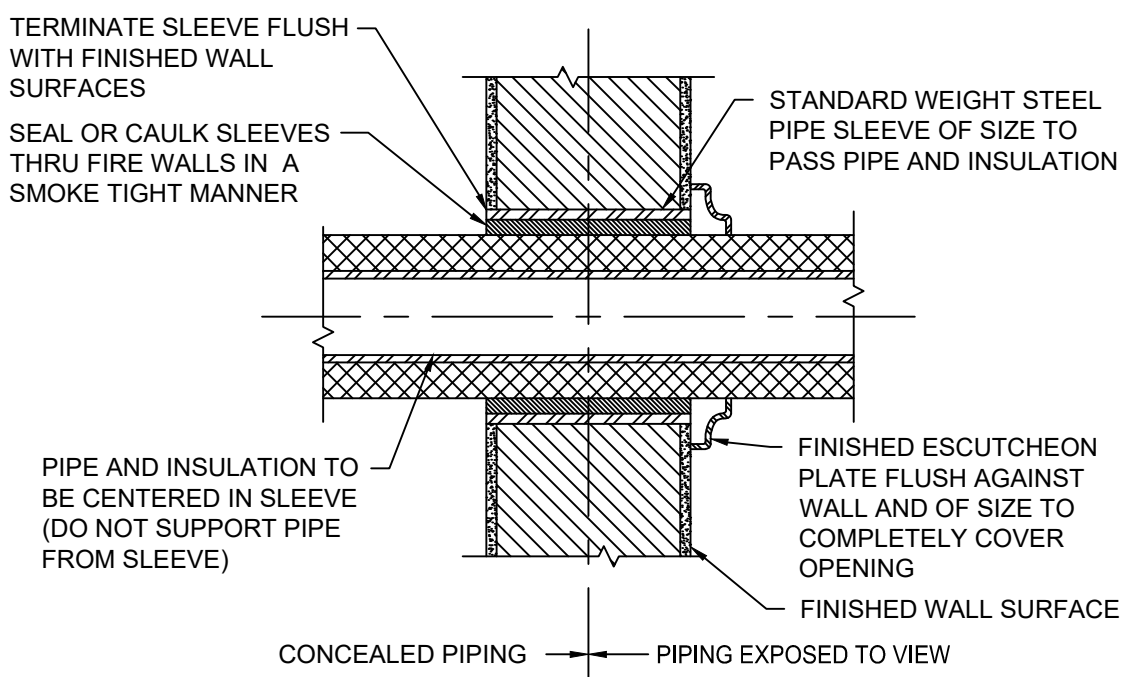
EXHAUST FAN SCHEDULE													(GREENHECK AS STANDARD)
TAG NO.	AREA SERVED	CFM	SP (IN)	BHP	MHP	RPM	ELECTRICAL DATA V - PH - HZ	MODEL & MANUFACTURER	DIMENSIONS (L x W x H) (IN)	APPROX. WT. (LBS)	SONES	REMARKS	
EF-L-1	OT / PT 006 & ROOM 008	180	0.25	0.03	22 WATTS	794	120 - 1 - 60	CSP-A390-VG GREENHECK	12 x 14 x 11	24	0.5	W/ CEILING HUNG SUPPORTS & VIBRATION ISOLATORS, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER 84-27TVAC TO 24 VDC & BACK DRAFT DAMPER, INTERLOCK W/ EXISTING BC-12. FAN TO BE TIED INTO EXISTING BUILDING MANAGEMENT SYSTEM (BMS).	
EF-R-1	ELEVATOR SHAFT	300	0.25	0.03	0.07	1,632	120 - 1 - 60	G-070-VG GREENHECK	19"Ø x 24	17	5.4	W/ 18" HIGH ALUMINUM ROOF CURB, VARI-GREEN EC MOTOR, DISCONNECT SWITCH, VARI-GREEN TRANSFORMER 84-27TVAC TO 24 VDC & BACK DRAFT DAMPER, PROVIDE THERMOSTAT IN ELEVATOR SHAFT AND SET FOR 80°F ADJUSTABLE. FAN TO BE TIED INTO EXISTING BUILDING MANAGEMENT SYSTEM (BMS).	

HOT WATER FINNED TUBE RADIATION SCHEDULE												(STERLING AS STANDARD)
TAG NO.	LOCATION	TUBE SIZE	FIN PER FT.	ACTIVE ELEMENT LENGTH	BTU/HR-FT	HOT WATER HEATING				MODEL & MANUFACTURER		REMARKS
						MBH	EWLT (°F)	LWT (°F)	GPM			
FTR-1-1	CLASSROOM 132	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-1-2	CLASSROOM 132	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-2-1	CLASSROOM 252	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-2-2	CLASSROOM 252	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-3-1	CLASSROOM 352	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
FTR-3-2	CLASSROOM 352	3/4"	50	12'-0"	980	11.8	180	160	1.2	BARE ELEMENT "B"	STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES.
NOTES: 1. THE LENGTH INDICATED IN ABOVE SCHEDULE IS ACTIVE FINNED TUBE LENGTH. 2. PROVIDE AIR VENT, WATER BRACKETS & TAMPER RESISTANT DAMPERS. 3. PROVIDE CONTROL VALVE AND INTERLOCK WITH RESPECTIVE AC UNIT.												

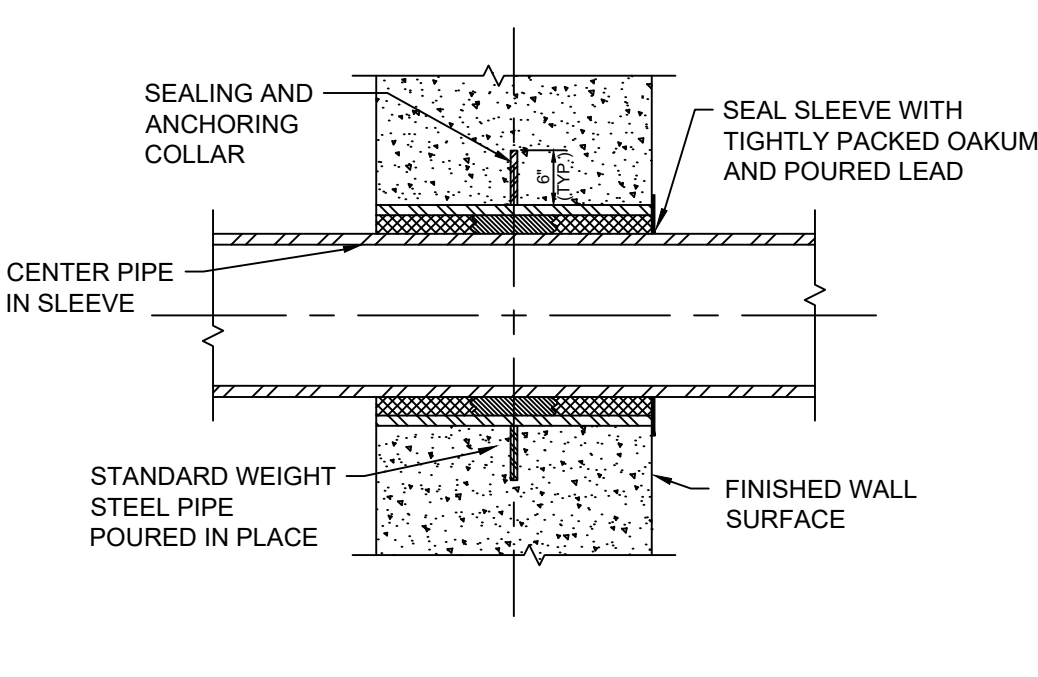
VENTILATION INDEX																
UNIT SERVED	ROOM NAME & NUMBER	OCCUPANCY CLASSIFICATION	FLOOR AREA (SQ. FT.)	REQ'D O.A. PER SQ. FT.	REQ'D O.A. FOR SPACE	OCCUPANCY DENSITY PER 1,000 FT²	OCCUPANCY BASED ON DENSITY	VENTILATION OCCUPANCY	REQ'D O.A. PER PERSON	REQ'D O.A. FOR OCCUPANCY	TOTAL REQ'D O.A. (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ZONE MIN. O.A. REQ'D (CFM)	ACTUAL O.A. (CFM)	EXHAUST AIR E.A. (CFM)	REMARKS
LOWER LEVEL																
(E) BC-12	OT / PT 006	CLASSROOMS (AGE 9 PLUS)	247	0.12	30	35	9	4	10	40	70	0.8	87	90		SEE NOTE #1.
(E) BC-12	ROOM 008	CLASSROOMS (AGE 9 PLUS)	239	0.12	29	35	8	4	10	40	69	0.8	86	90		SEE NOTE #1.
	ELEV. LOBBY 052 & CORRIDOR A & B	CORRIDORS	917	0.06	55	-	-	-	-	-	55	1.0	55	-		SEE NOTE #2.
FIRST FLOOR																
HRU-1-1	EXIST. EXAM ROOM	-	88	0.18	16	20	2	2	10	20	36	0.8	45	45		
HRU-1-1	EXIST. NURSE 101	-	280	0.18	50	20	6	6	10	60	110	0.8	138	140		
HRU-1-1	EXIST. OFFICE 106	OFFICE SPACES	261	0.06	16	5	1	2	5	10	26	0.8	32	35		
EXIST. UVs	EXIST. BRIDGE & CORRIDORS	CORRIDORS	3,425	0.06	206	-	-	-	-	-	206	0.8	257	400		SEE NOTE #3.
HRU-1-1	SGI 130	CLASSROOMS (AGE 9 PLUS)	147	0.12	18	35	5	5	10	50	68	0.8	85	85		
	ELEV. LOBBY 131	CORRIDORS	140	0.06	8	-	-	-	-	-	8	1.0	8	-		SEE NOTE #4.
HRU-1-1	CLASSROOM 132	CLASSROOMS (AGE 9 PLUS)	925	0.12	111	35	32	32	10	320	431	0.8	539	540		SEE NOTE #5.
SECOND FLOOR																
HRU-2-1	SGI 214	CLASSROOMS (AGE 9 PLUS)	248	0.12	30	35	9	9	10	90	120	0.8	150	150		
HRU-2-1	SGI 215	CLASSROOMS (AGE 9 PLUS)	171	0.12	21	35	6	6	10	60	81	0.8	101	110		
HRU-2-1	STOR. 250	STORAGE ROOMS	76	0.12	9	-	-	-	-	-	9	0.8	11	20		SEE NOTE #6.
	ELEV. LOBBY 251	CORRIDORS	111	0.06	7	-	-	-	-	-	7	1.0	7	-		SEE NOTE #4.
HRU-2-1	CLASSROOM 252	CLASSROOMS (AGE 9 PLUS)	625	0.12	75	35	22	25	10	250	325	0.8	406	410		SEE NOTES #1 & #5.
EXIST. UV & HRU-2-1	EXIST. CORRIDORS & CORRIDOR D	CORRIDORS	1,075	0.06	65	-	-	-	-	-	65	0.8	81	115		SEE NOTES #3 & #7.
HRU-2-1	CORRIDOR E	CORRIDORS	527	0.06	32	-	-	-	-	-	32	0.8	40	70		
THIRD FLOOR																
HRU-3-1	SGI 314	CLASSROOMS (AGE 9 PLUS)	259	0.12	31	35	9	9	10	90	121	0.8	151	160		
HRU-3-1	SGI 315	CLASSROOMS (AGE 9 PLUS)	169	0.12	20	35	6	6	10	60	80	0.8	100	100		
HRU-3-1	STOR. 350	STORAGE ROOMS	76	0.12	9	-	-	-	-	-	9	0.8	11	20		SEE NOTE #6.
	ELEV. LOBBY 351	CORRIDORS	111	0.06	7	-	-	-	-	-	7	1.0	7	-		SEE NOTE #4.
HRU-3-1	CLASSROOM 352	CLASSROOMS (AGE 9 PLUS)	625	0.12	93	35	22	25	10	250	325	0.8	406	410		SEE NOTES #1 & #5.
EXIST. UV & HRU-3-1	EXIST. CORRIDOR & CORRIDOR G	CORRIDORS	1,110	0.06	67	-	-	-	-	-	67	0.8	83	115		SEE NOTE #3.
HRU-3-1	CORRIDOR H	CORRIDORS	527	0.06	32	-	-	-	-	-	32	0.8	40	70		
NOTES: 1. VENTILATION OCCUPANCY IS BASED ON DESIGN OCCUPANCY USAGE. 2. BASED ON 2015 IMC CHAPTER 4, SECTIONS 402.1 & 402.2, NATURAL VENTILATION WILL BE THROUGH DOORS TO THE OUTDOORS. 3. ACTUAL OUTDOOR AIR INCLUDES OUTDOOR AIR FROM EXISTING UNIT VENTILATOR(S) (UV(s)). 4. MAKEUP AIR TO ELEVATOR SHAFT FROM ELEVATOR LOBBY FROM ADJACENT CORRIDOR THROUGH OPERABLE DOORS. 5. VENTILATION SQUARE FOOTAGE IS REDUCED BY THE AREA OF FIXED WALL FURNITURE (I.E. CASEWORK, CABINETS, CUBBIES, ETC.). 6. BASED ON 2015 IMC CHAPTER 2, SECTION 202, DEFINITION OF "OCCUPIABLE SPACE" & CHAPTER 4, SECTION 401.2, STORAGE ROOMS ARE EXCLUDED FROM OCCUPIABLE SPACE AND DO NOT REQUIRE VENTILATION AIR. 7. MAKEUP AIR TO CORRIDOR FROM ADJACENT CORRIDOR THROUGH OPERABLE DOORS.																



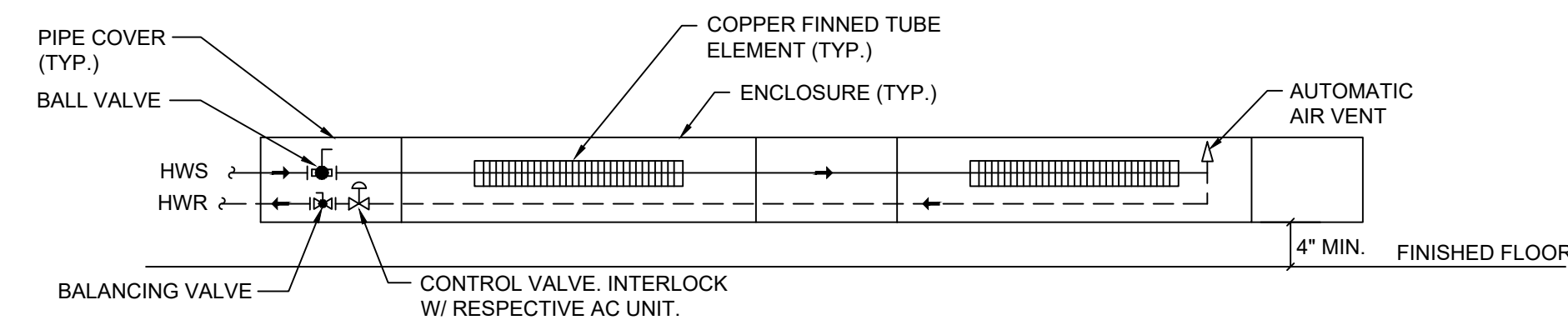
1 Fire Damper In Wall
M6.01 Not To Scale



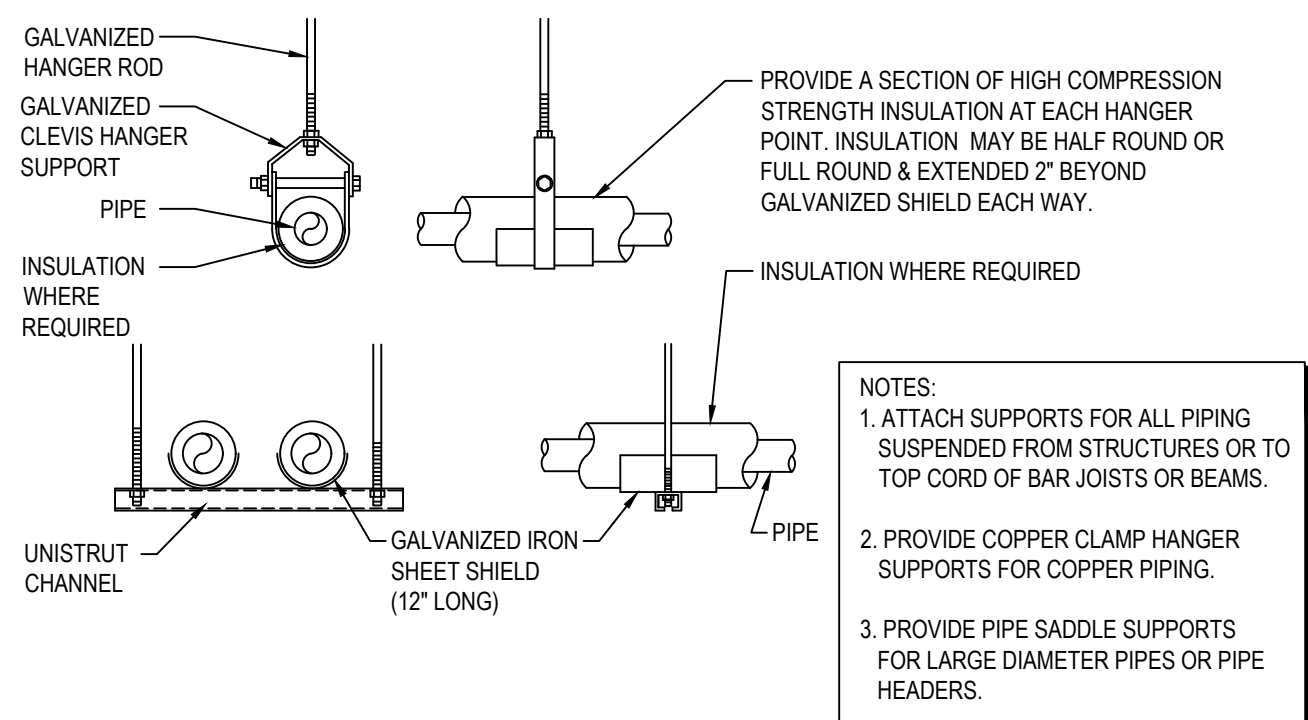
2 Pipe Sleeves Thru Wall Details
M6.01 Not To Scale



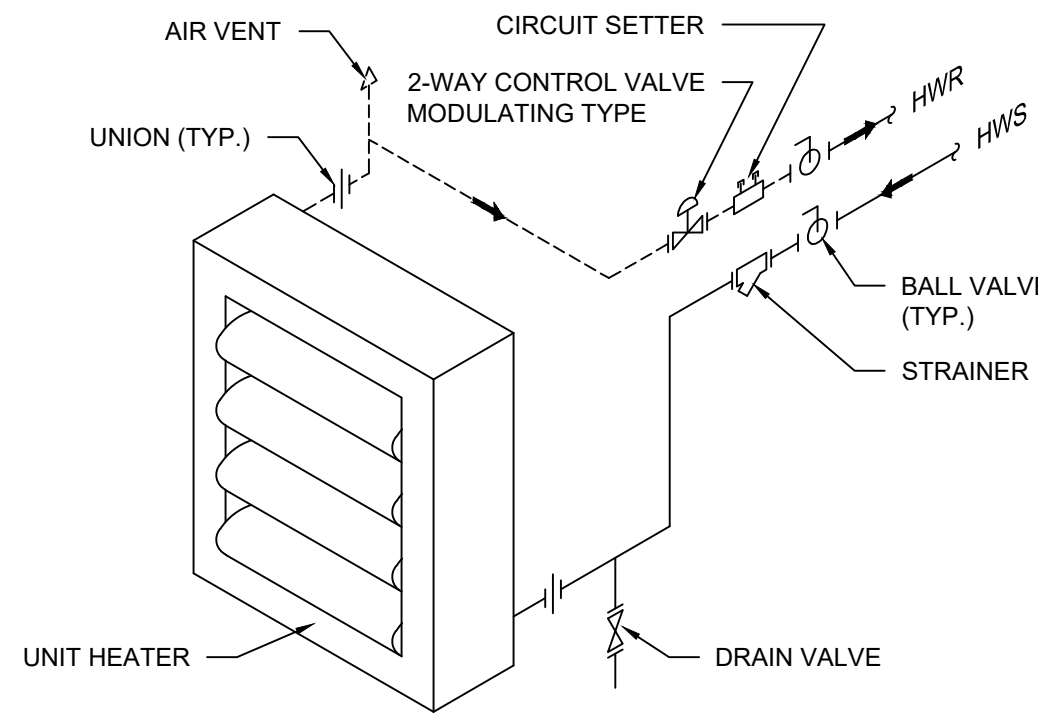
EXTERIOR WALLS



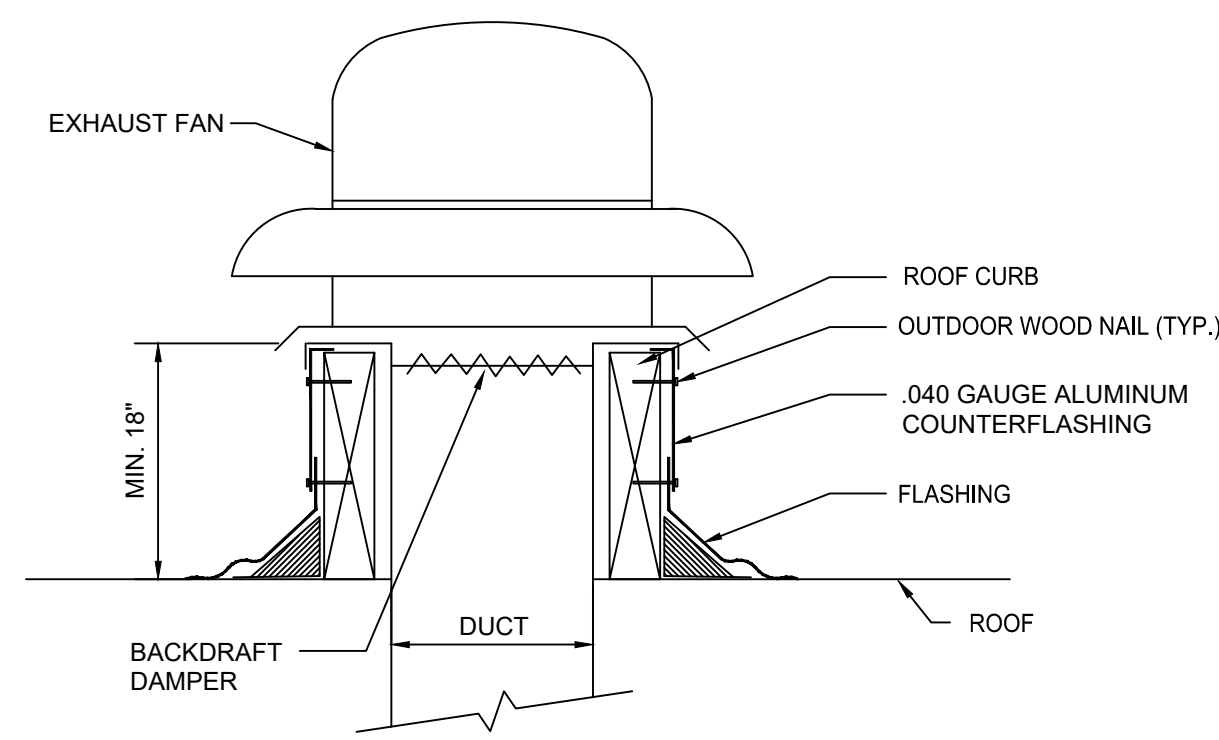
3 Hot Water FTR Piping Detail
M6.01 Not To Scale



4 Pipe Support Hangers
M6.01 Not To Scale

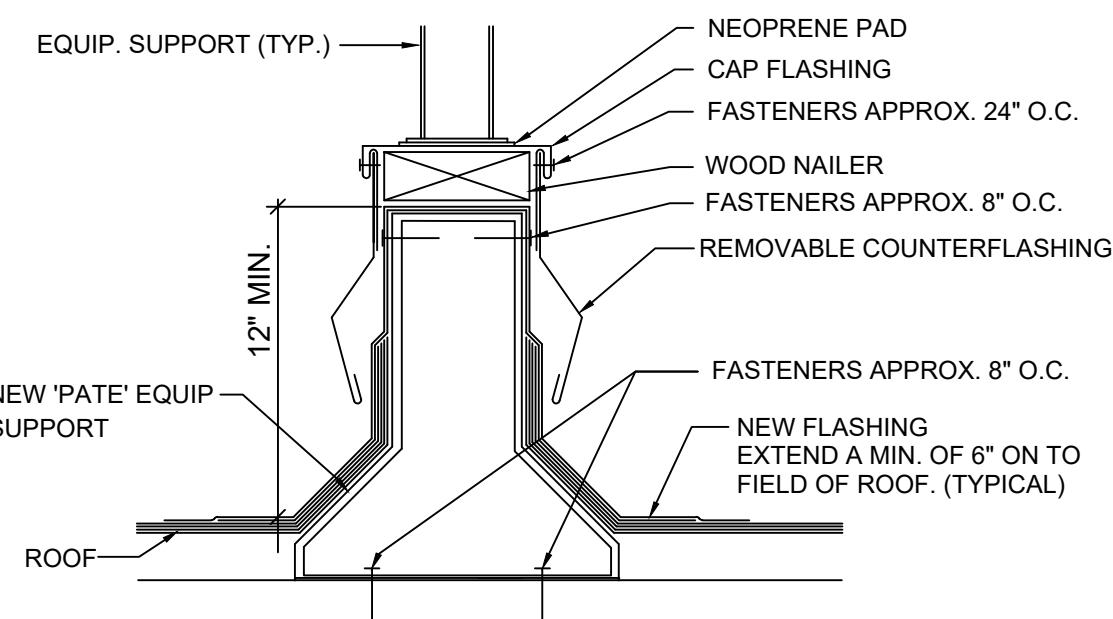


5 Unit Heater Piping Detail
M6.01 Not To Scale

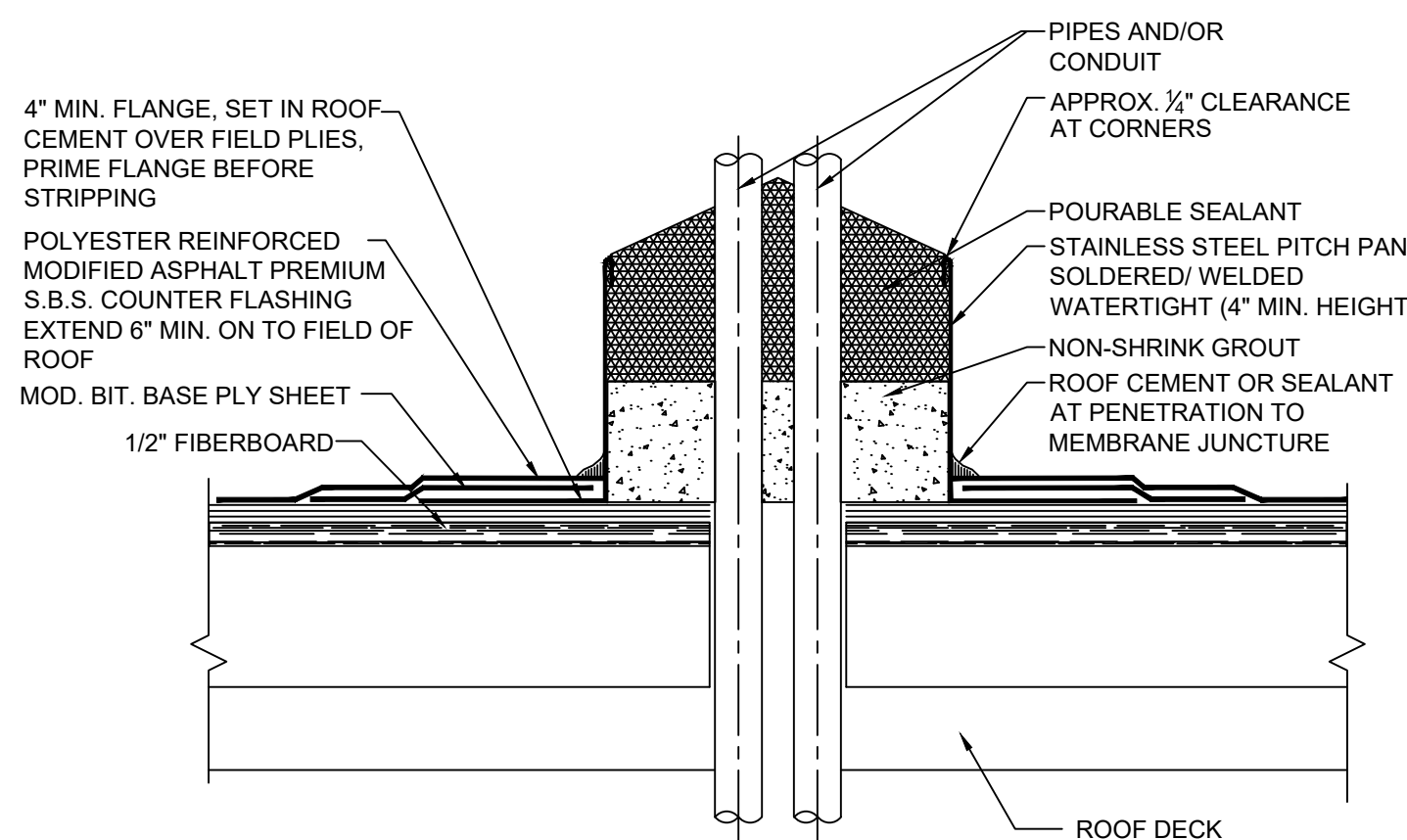


6 Roof Exhaust Fan Detail
M6.01 Not To Scale

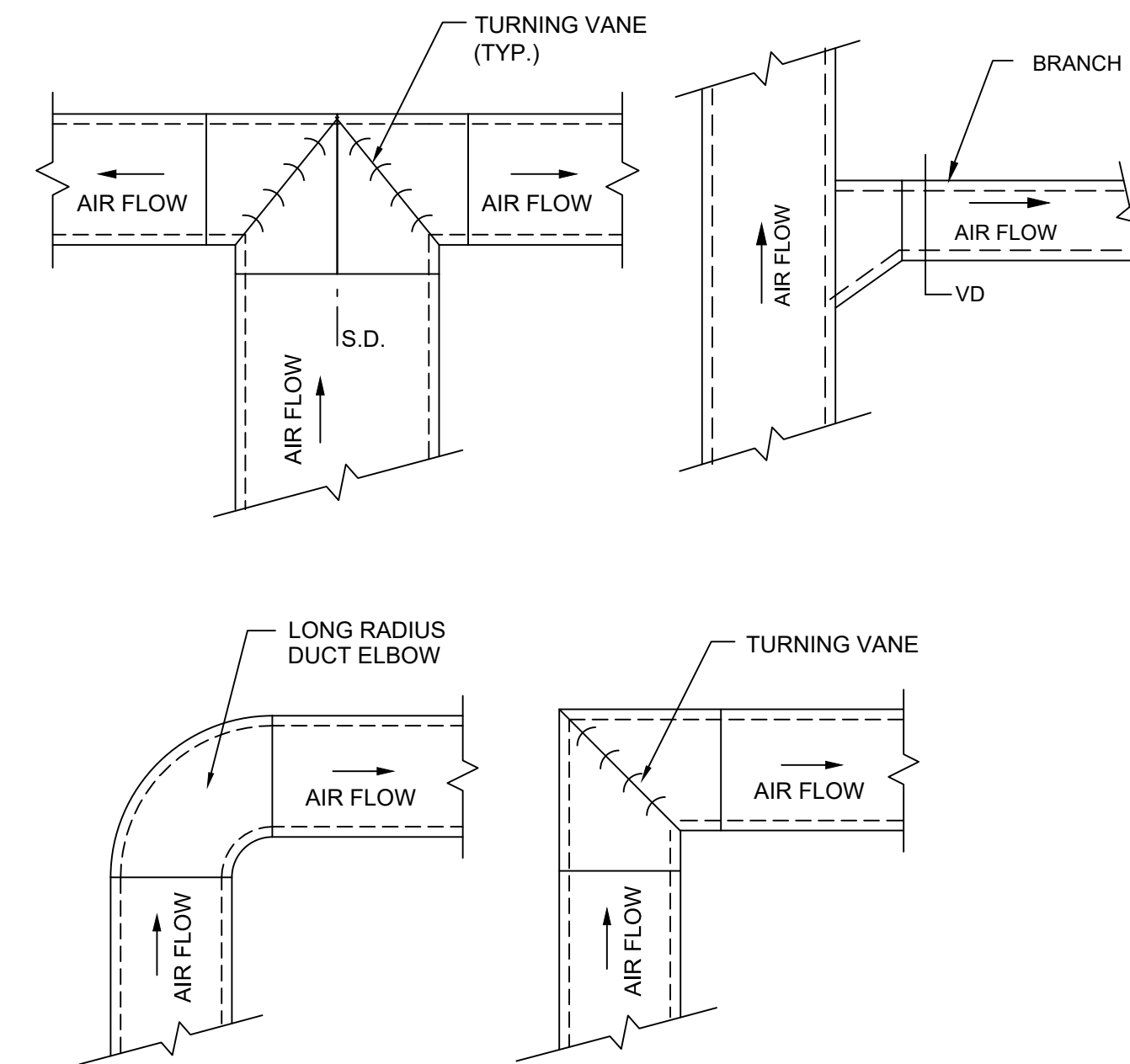
INSTALL NEW CURB PERPENDICULAR TO STEEL PLATES OF ROOF DECK. PROVIDE CRICKET IN ROOF TO DIVERT ROOF WATER AROUND CURBS.



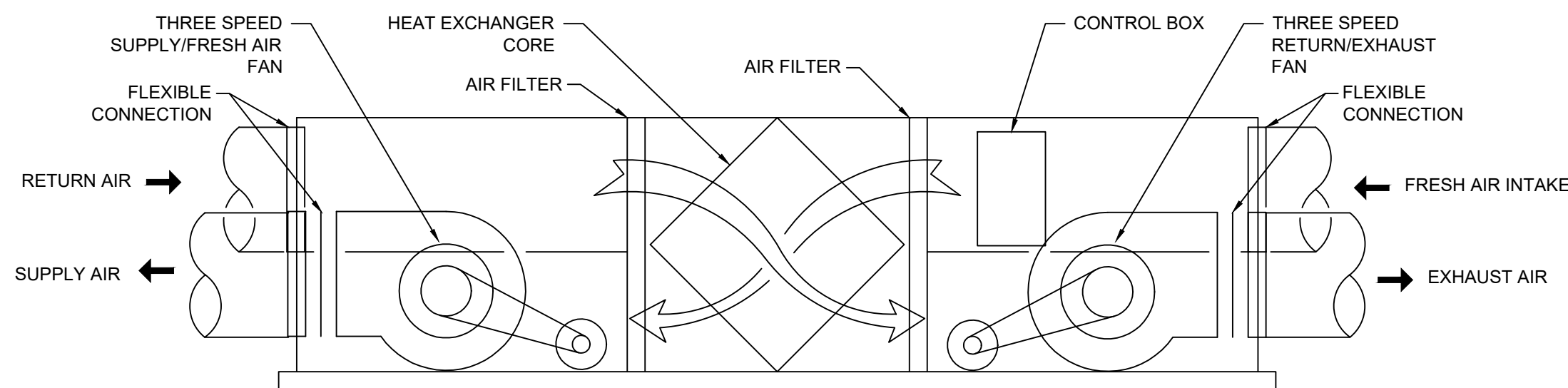
8 Equipment Support Detail
M6.01 Not To Scale



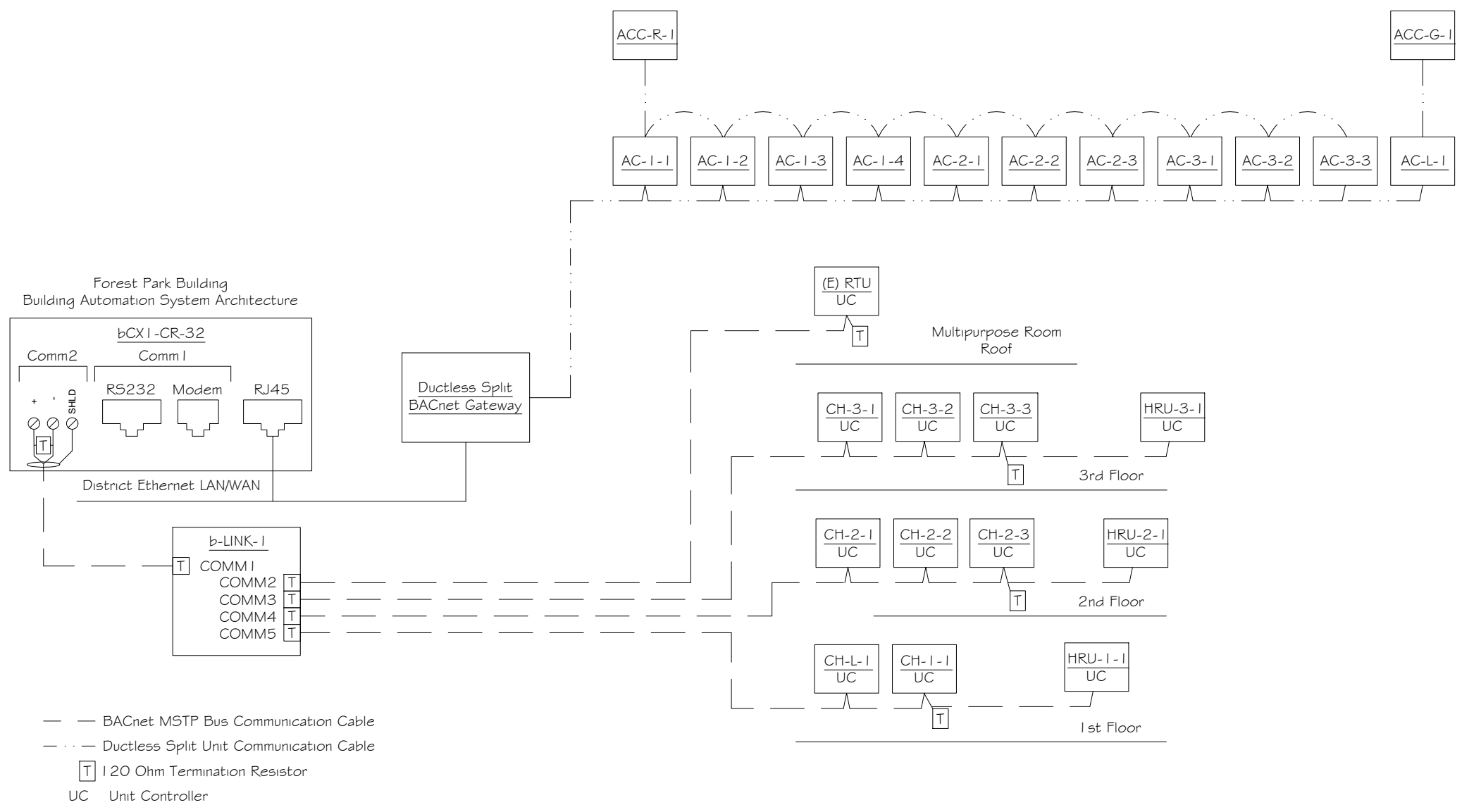
9 Pitch Pocket Detail
M6.01 Not To Scale



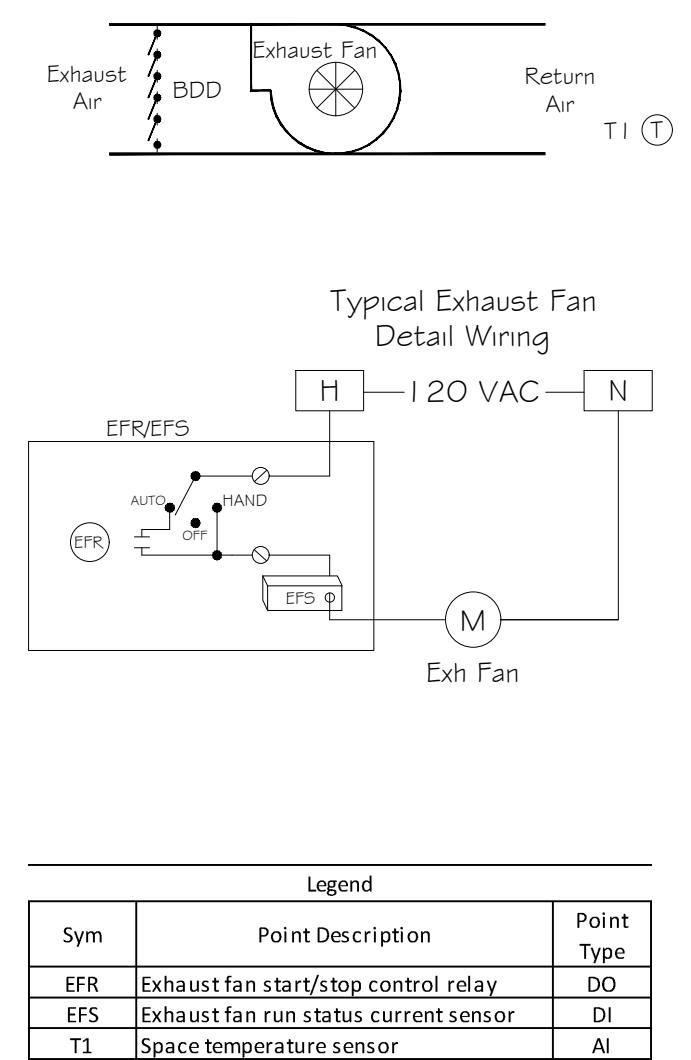
10 Duct Take-Off & Turn Detail
M6.01 Not To Scale



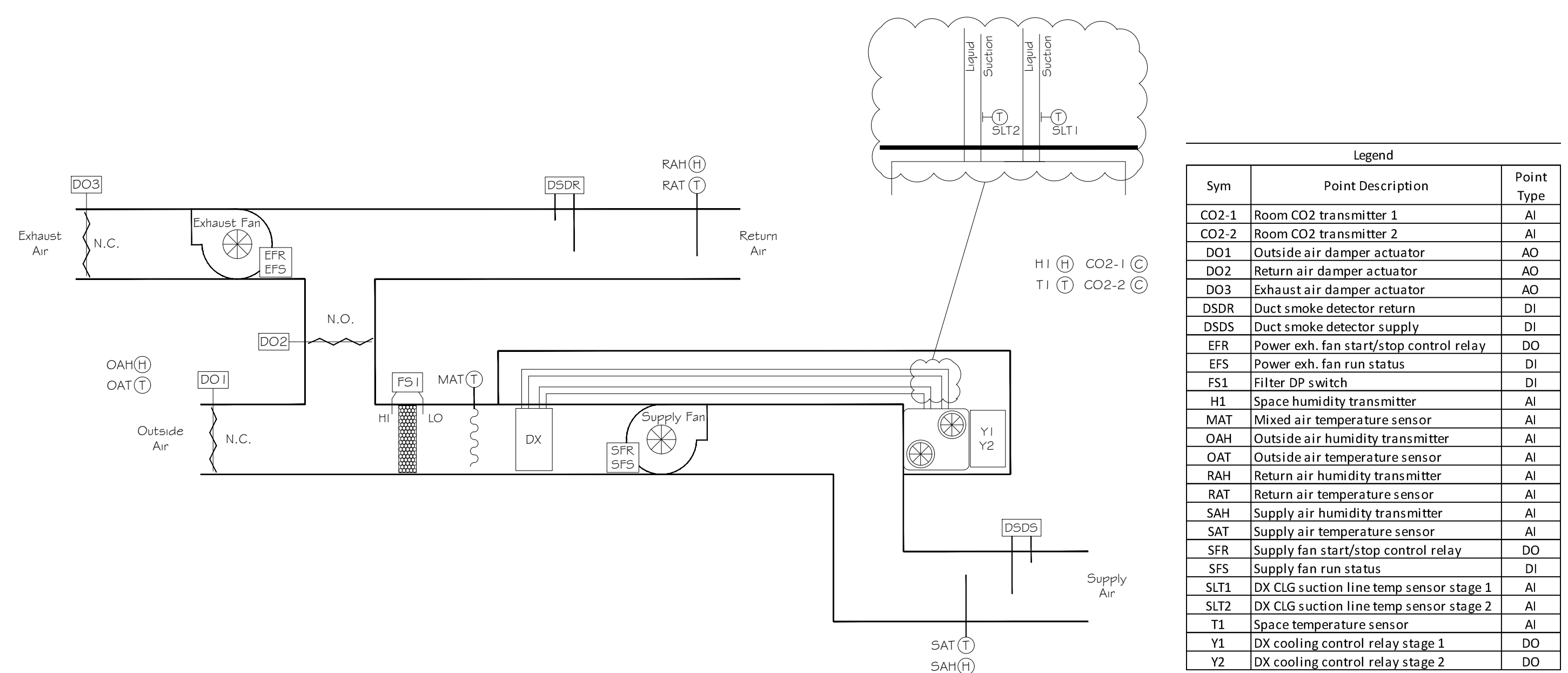
11 Low Profile Heat Recovery Unit Detail
M6.01 Not To Scale



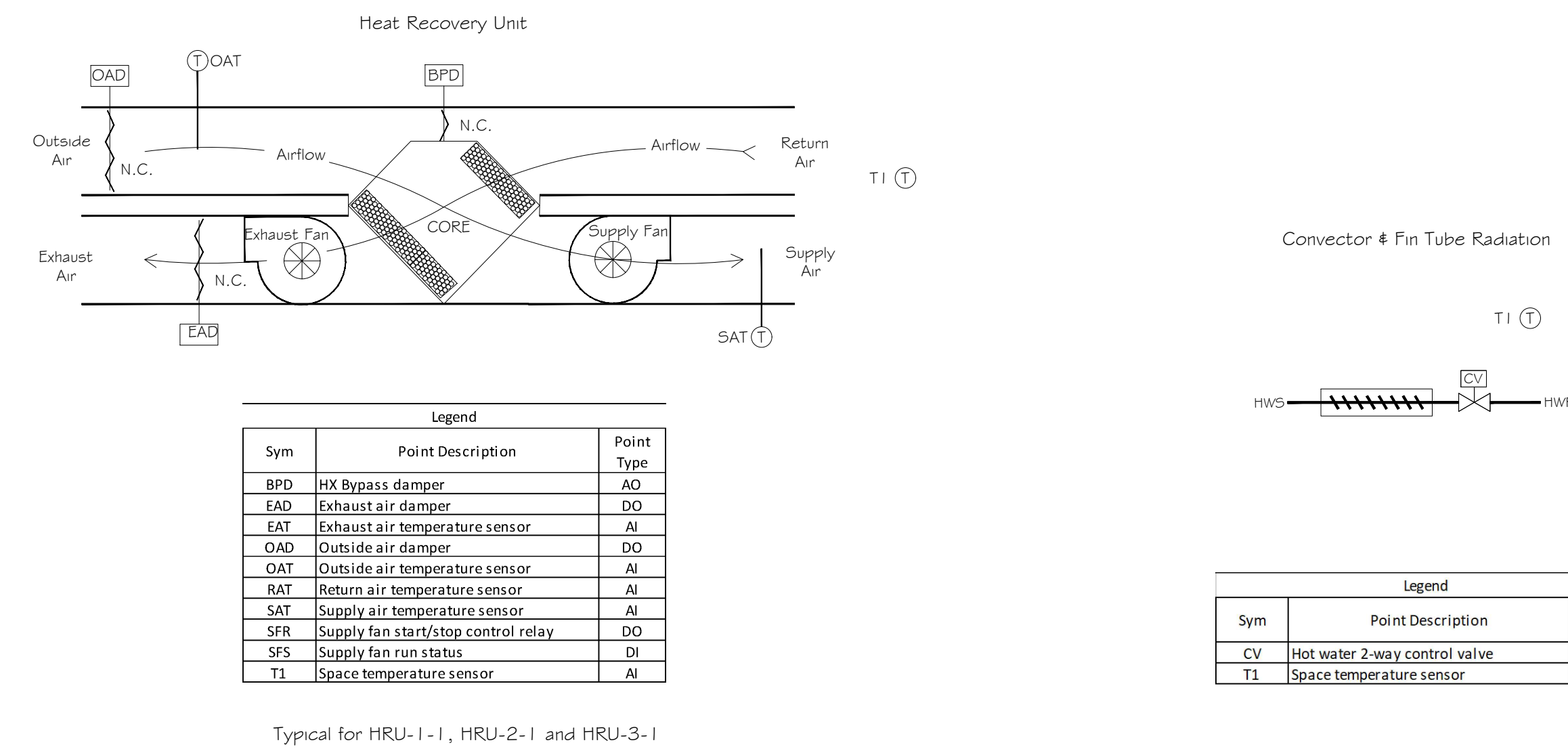
1 BAS SYSTEM ARCHITECTURE - MAMARONECK BUILDING
NOT TO SCALE



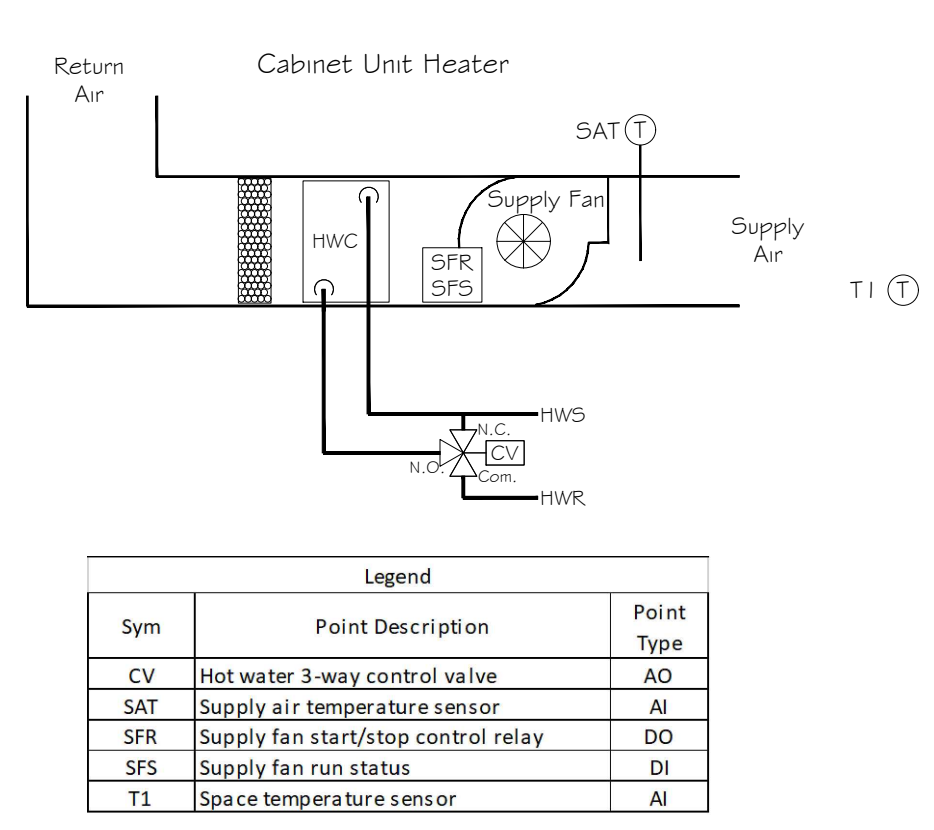
2 EXHAUST FAN FLOW DIAGRAMS
NOT TO SCALE



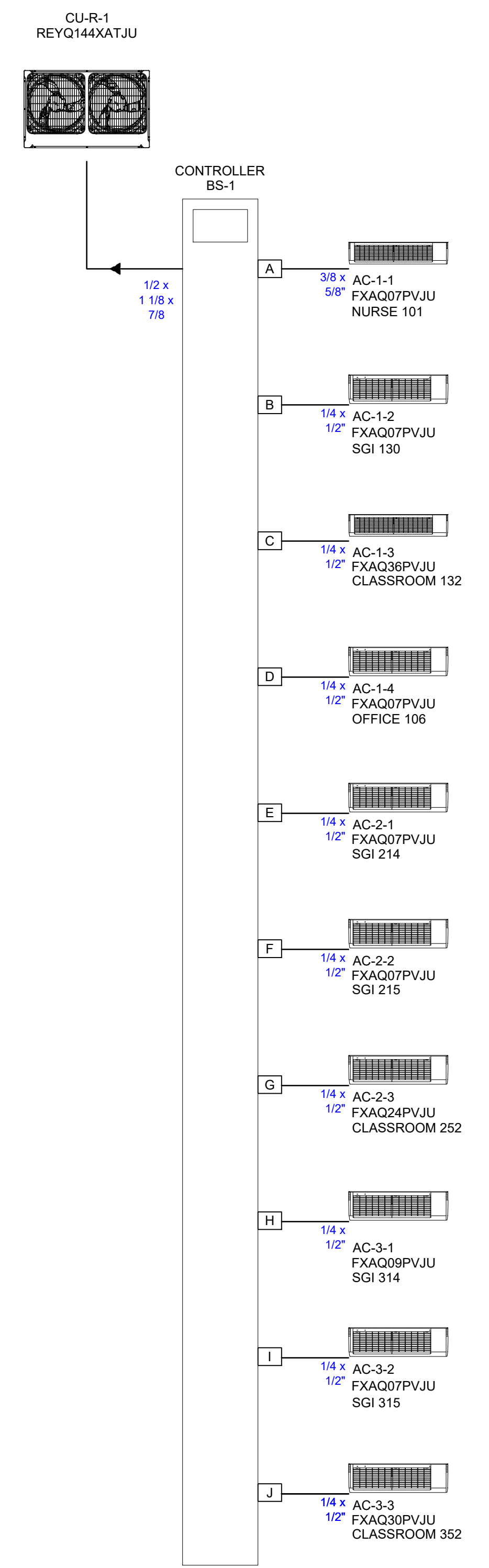
3 EXISTING ROOFTOP UNIT FLOW DIAGRAM
NOT TO SCALE



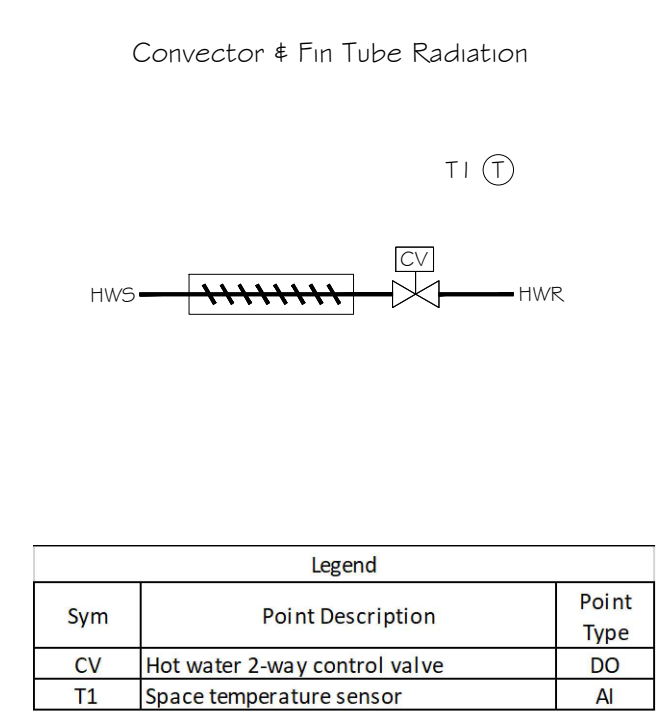
5 HRU FLOW DIAGRAM
NOT TO SCALE



4 CUH FLOW DIAGRAM
NOT TO SCALE



7 VRF SYSTEM PIPING SCHEMATIC DIAGRAM
NOT TO SCALE



6 CV FLOW DIAGRAM
NOT TO SCALE

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ABBREVIATIONS

&	=	AND	JAN	=	JANITOR
Ø	=	DIAMETER OR ROUND	MAX	=	MAXIMUM
ADD'L	=	ADDITIONAL	MC	=	MECHANICAL CONTRACTOR
AFF	=	ABOVE FINISHED FLOOR	MECH	=	MECHANICAL
ALT	=	ALTERNATE	MIN	=	MINIMUM
ARCH.	=	ARCHITECTURAL	NTS	=	NOT TO SCALE
BLDG	=	BUILDING	PC	=	PLUMBING CONTRACTOR
CD	=	CONDENSATE DRAIN	PV	=	PLUMBING VENT
CDP	=	CONDENSATE DRAIN PUMP	RD	=	ROOF DRAIN
CLG	=	CEILING	RL	=	ROOF LEADER
CO	=	CLEANOUT	SPEC	=	SPECIFICATION
CODP	=	CLEANOUT DECK PLATE	SP	=	SUMP PUMP
COWP	=	CLEANOUT WALL PLATE	SS	=	STAINLESS STEEL
DCW	=	DOMESTIC COLD WATER	STD	=	STANDARD
DDC	=	DIRECT DIGITAL CONTROL	T&P	=	TEMPERATURE & PRESSURE
DHW	=	DOMESTIC HOT WATER	TMV	=	THERMOSTATIC MIXING VALVE
DHWR	=	DOMESTIC HOT WATER RETURN	TYP	=	TYPICAL
DN	=	DOWN	VTR	=	VENT THROUGH ROOF
DWG	=	DRAWING	W/	=	WITH
GC	=	GENERAL CONTRACTOR			
EA	=	EACH			
ESP	=	ELEVATOR SUMP PUMP			
EXIST	=	EXISTING			
FD	=	FLOOR DRAIN			
GPH	=	GALLON PER HOUR			
GPM	=	GALLON PER MINUTE			
HWH	=	DOMESTIC HOT WATER HEATER			
ID	=	INSIDE DIAMETER (DIM)			
IN	=	INCH			
INFO	=	INFORMATION			

PIPING LEGEND & SYMBOLS

NOT TO SCALE

	SANITARY WASTE/ROOF LEADER PIPING ABOVE GRADE
	SANITARY WASTE/STORM PIPING BELOW SLAB
	SANITARY VENT PIPING
	DOMESTIC COLD WATER (DCW) PIPING
	DOMESTIC HOT WATER (DHW) PIPING
	DOMESTIC HOT WATER RETURN (DHWR) PIPING
	GAS PIPING
	CONDENSATE DRAIN PIPING
	PIPE TURN UP
	PIPE TURN DOWN
	PIPE TOP CONNECTION
	PIPE BOTTOM CONNECTION
	SHUTOFF BALL VALVE
	POINT OF CONNECTION OF NEW PIPING TO EXISTING
	POINT OF DISCONNECTION OF DEMOLISHED PIPING FROM EXISTING

PLUMBING SYSTEM MATERIALS

PIPING:

WASTE & VENT PIPING BELOW GRADE SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH GASKETS. ABOVE GRADE SHALL BE NO-HUB SERVICE WEIGHT CAST IRON PIPE WITH STAINLESS STEEL SHIELDED COUPLINGS.

ROOF LEADER & STORM PIPING BELOW GRADE SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH GASKETS, ABOVE GRADE SHALL BE NO-HUB SERVICE WEIGHT CAST IRON PIPE WITH STAINLESS STEEL SHIELDED COUPLINGS.

DOMESTIC HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE TYPE "L" COPPER PIPE WITH WROUGHT COPPER SOLDER FITTINGS (LEAD-FREE SOLDER). BELOW GRADE SHALL BE TYPE "K" COPPER WITHOUT FITTINGS.

GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON THREADED FITTINGS (PIPE SIZES 2-1/2" & SMALLER) AND WELDED FITTINGS (PIPE SIZES 3" & LARGER). PRIME & PAINT W/ TWO (2) FINISH COATS OF YELLOW COLOR PAINT.

CONDENSATE DRAIN PIPING SHALL BE TYPE "L" COPPER PIPE WITH WROUGHT COPPER SOLDER FITTINGS.

FORCED DRAIN PIPING SHALL BE SCH. 40 GALVANIZED STEEL PIPE W/ THREADED FITTINGS OR TYPE "L" COPPER PIPING W/ SOLDERED FITTINGS (LEAD-FREE SOLDER).

COMPRESSED AIR PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON THREADED FITTINGS.

INSULATION:

ALL DOMESTIC HOT AND COLD WATER PIPING SHALL BE INSULATED WITH FIBERGLASS PIPE INSULATION WITH ASJ JACKET. REFER TO SPECIFICATIONS FOR INSULATION THICKNESS.

ALL ROOF LEADER & STORM PIPING ABOVE GRADE SHALL BE INSULATED WITH FIBERGLASS PIPE INSULATION WITH ASJ JACKET. REFER TO SPECIFICATIONS FOR INSULATION THICKNESS.

ALL CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL).

CLEANOUTS:

FLOOR: J.R. SMITH #4023S W/ ROUND NICKEL-BRONZE TOP.

WALL: J.R. SMITH #4532S W/ ROUND STAINLESS STEEL TOP.

PIPE INSULATION/COVERS:

FOR ALL LAVATORIES, INSTALL PROTECTIVE ENCLOSURE "LAV SHIELD" W/ TAMPER-RESISTANT SCREWS BY TRUEBRO OR APPROVED EQUAL.

VALVES & FITTINGS:

ALL VALVES & FITTINGS FOR DOMESTIC WATER SYSTEM SHALL BE LEAD FREE TYPE IN COMPLIANCE W/ REQUIREMENTS OF NSF/ANSI STANDARD 61. ALL BALL VALVES SHALL BE FULL-PORT TYPE.

PENETRATION FIRESTOPPING:

ALL PIPE PENETRATIONS (AT WALL, FLOOR, CHASE, ETC.) SHALL BE SEALED & CAULKED W/ 2 HR RATED FIRESTOPPING MATERIALS.

GENERAL CONSTRUCTION NOTES

1. REFER TO "MULTIPLE PRIME CONTRACT NOTES" ON DWG. A1.00 & SPECIFICATION SECTION 011200 - SPECIAL PROVISIONS FOR CONTRACTORS' RESPONSIBILITIES.

2. CORE DRILLING SHALL BE PERFORMED BY EACH INDIVIDUAL PRIME CONTRACT. REFER TO SPECIFICATION SECTION 011200 - SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION. SEE DRAWINGS FOR APPROXIMATE LOCATIONS OF PIPES, DUCT, ETC.

3. EACH INDIVIDUAL PRIME CONTRACTOR IS REQUIRED TO PATCH (TO MATCH EXISTING), IMMEDIATELY AFTER REMOVAL ALL OPENINGS WHERE EXISTING EQUIPMENT, PIPES, ETC. ARE BEING REMOVED. SEAL OPENING WITH 2 HOUR FIRE BARRIER CAULK. SEE GENERAL LOCATIONS ON PLUMBING DEMOLITION PLANS. SEE SPECIFICATION SECTION 011200 - SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

4. WHERE A FIREPROOFING MATERIAL THAT IS INTEGRAL TO THE RATING OF AN EXISTING FIRE-RATED ASSEMBLY IS REMOVED OR DISTURBED, CONTRACTOR IS REQUIRED TO REPLACE THE MATERIAL TO PRESERVE THE RATING.

PLUMBING GENERAL NOTES

1. ALL WORK SHALL CONFORM TO LATEST EDITION OF NEW YORK STATE ENERGY CODE & PLUMBING CODE, AND ALL OTHER APPLICABLE CODES, ORDINANCES, AND LOCAL AUTHORITY HAVING JURISDICTION.

2. CONTRACTOR SHALL VISIT JOB SITE AND NOTE ALL EXISTING CONDITIONS TO BE MET BEFORE SUBMITTING BID. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOW THE INTENT OF WORK.

3. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXTENT AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS OR COMMENCING WORK.

4. CONTRACTOR TO PROCURE AND PAY FOR ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT WORK, OBTAIN AND PAY FOR ALL NECESSARY CERTIFICATES OF APPROVAL FOR WORK, AND PAY FOR ANY LEGAL FEES.

5. INSTALLATION TO COMPLY WITH ALL FEDERAL, STATE, MUNICIPAL LAWS, AND ALL CODES, RULES, ORDINANCES, AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED IN THE WORK.

6. CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING WORK. CONTRACTOR SHALL REPORT ANY DISCREPANCIES, AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.

7. PIPE INSTALLATION AS FOLLOWS:

a) RUN ALL PIPING CONCEALED IN CEILINGS, WALLS AND PARTITIONS.

b) ALL PIPING TO BE PITCHED TO LOW POINTS WITH DRAIN VALVES. STORM AND WASTE PIPING SHALL BE SLOPED PER LATEST PLUMBING CODE.

c) SLEEVE PIPING THAT PASSES THROUGH WALLS.

d) INSTALL PITCH POCKETS & FLASH ALL PIPING THAT PASSES THROUGH ROOF.

e) PROVIDE ROD HANGERS WITH CLEVIS PIPE SUPPORT PER SPECIFICATION.

f) PROVIDE VALVES REQUIRED FOR COMPLETE CONTROL OF ALL SYSTEMS. STOP VALVES FOR SUPPLY TO ALL FIXTURES TO BE CHROME PLATED WHERE EXPOSED.

g) PROVIDE ACCESS DOORS FOR ALL CONCEALED VALVES AND CLEANOUTS.

h) CORE-DRILL FLOOR SLABS & PROVIDE 2-HR RATED FIRE STOPPING MATERIALS FOR ALL PIPE PENETRATION THROUGH FLOOR SLABS.

8. CONTRACTOR TO PERFORM ALL TESTING OF THE PLUMBING WORK IN THE PRESENCE OF THE OWNER, PROVIDE ALL APPARATUS, TEMPORARY CONNECTIONS, AND OTHER REQUIREMENTS TO DO SUCH TESTS. ANY DEFECTS, LEAKS, ETC. WILL BE REPLACED AND TEST REPEATED UNTIL TEST REQUIREMENTS ARE MET.

9. SUBMIT SHOP DRAWINGS OF ALL WORK TO BE DONE, EQUIPMENT, AND FIXTURES FURNISHED.

10. PLUMBING CONTRACTOR TO CARRY OUT PERIODIC CLEANING TO REMOVE RUBBISH ETC., TO LEAVE PREMISES FREE FROM DEBRIS, AND DISCARDED MATERIALS. AFTER INSTALLATION, CLEAN FIXTURES, FITTINGS, ETC. AND LEAVE READY FOR USE.

11. CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OF SITE IN AN APPROVED MANNER.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP WORK AREAS UPON COMPLETION OF WORK.

NYSED PROJECT # 66-07-01-03-0-004-030

PLUMBING NOTES

2019 BOND REFERENCE

MAMARONECK AVENUE ELEMENTARY SCHOOL

MAMARONECK UNION FREE SCHOOL DISTRICT

850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4,1092.72.2

File No. 10927202P201

P0.01

LAN ASSOCIATES

engineering • planning • architecture • surveying

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Revisions:

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11/23/20

MICHAEL J. MCGOVERN, R.A.

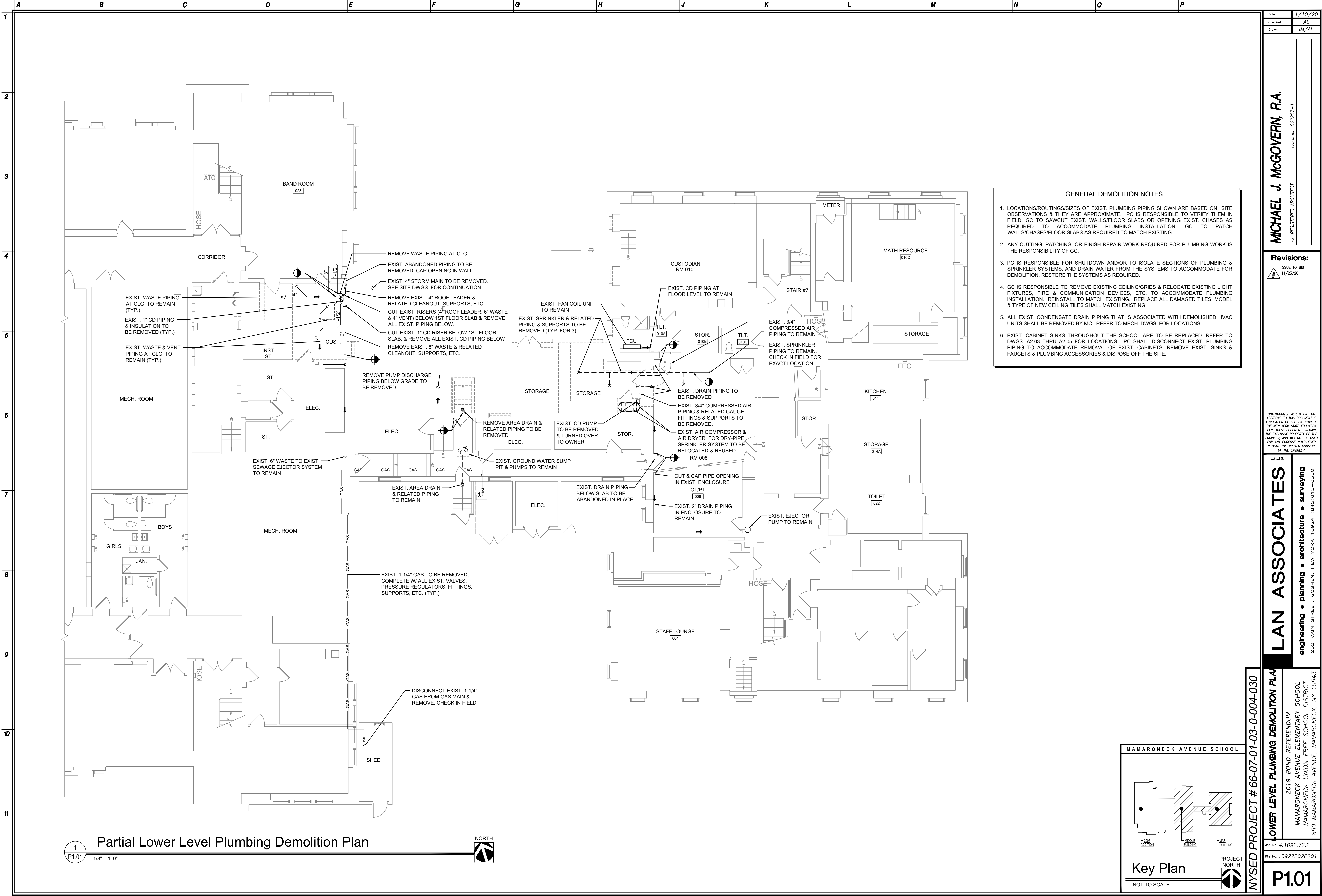
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License No. 022257-1

1/10/20

AL

IM/AL



- GENERAL DEMOLITION NOTES**
1. LOCATIONS/ROUTINGS/SIZES OF EXIST. PLUMBING PIPING SHOWN ARE BASED ON SITE OBSERVATIONS & THEY ARE APPROXIMATE. PC IS RESPONSIBLE TO VERIFY THEM IN FIELD. GC TO SAWCUT EXIST. WALLS/FLOOR SLABS OR OPENING EXIST. CHASES AS REQUIRED TO ACCOMMODATE PLUMBING INSTALLATION. GC TO PATCH WALLS/CHASES/FLOOR SLABS AS REQUIRED TO MATCH EXISTING.
 2. ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR PLUMBING WORK IS THE RESPONSIBILITY OF GC.
 3. PC IS RESPONSIBLE FOR SHUTDOWN AND/OR TO ISOLATE SECTIONS OF PLUMBING & SPRINKLER SYSTEMS, AND DRAIN WATER FROM THE SYSTEMS TO ACCOMMODATE FOR DEMOLITION. RESTORE THE SYSTEMS AS REQUIRED.
 4. GC IS RESPONSIBLE TO REMOVE EXISTING CEILING/GRIDS & RELOCATE EXISTING LIGHT FIXTURES, FIRE & COMMUNICATION DEVICES, ETC. TO ACCOMMODATE PLUMBING INSTALLATION. REINSTALL TO MATCH EXISTING. REPLACE ALL DAMAGED TILES. MODEL & TYPE OF NEW CEILING TILES SHALL MATCH EXISTING.
 5. ALL EXIST. CONDENSATE DRAIN PIPING THAT IS ASSOCIATED WITH DEMOLISHED HVAC UNITS SHALL BE REMOVED BY MC. REFER TO MECH. DWGS. FOR LOCATIONS.
 6. EXIST. CABINET SINKS THROUGHOUT THE SCHOOL ARE TO BE REPLACED. REFER TO DWGS. A2.03 THRU A2.05 FOR LOCATIONS. PC SHALL DISCONNECT EXIST. PLUMBING PIPING TO ACCOMMODATE REMOVAL OF EXIST. CABINETS. REMOVE EXIST. SINKS & FAUCETS & PLUMBING ACCESSORIES & DISPOSE OFF THE SITE.

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Drawn	IM/AL

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#	ISSUE TO	DATE
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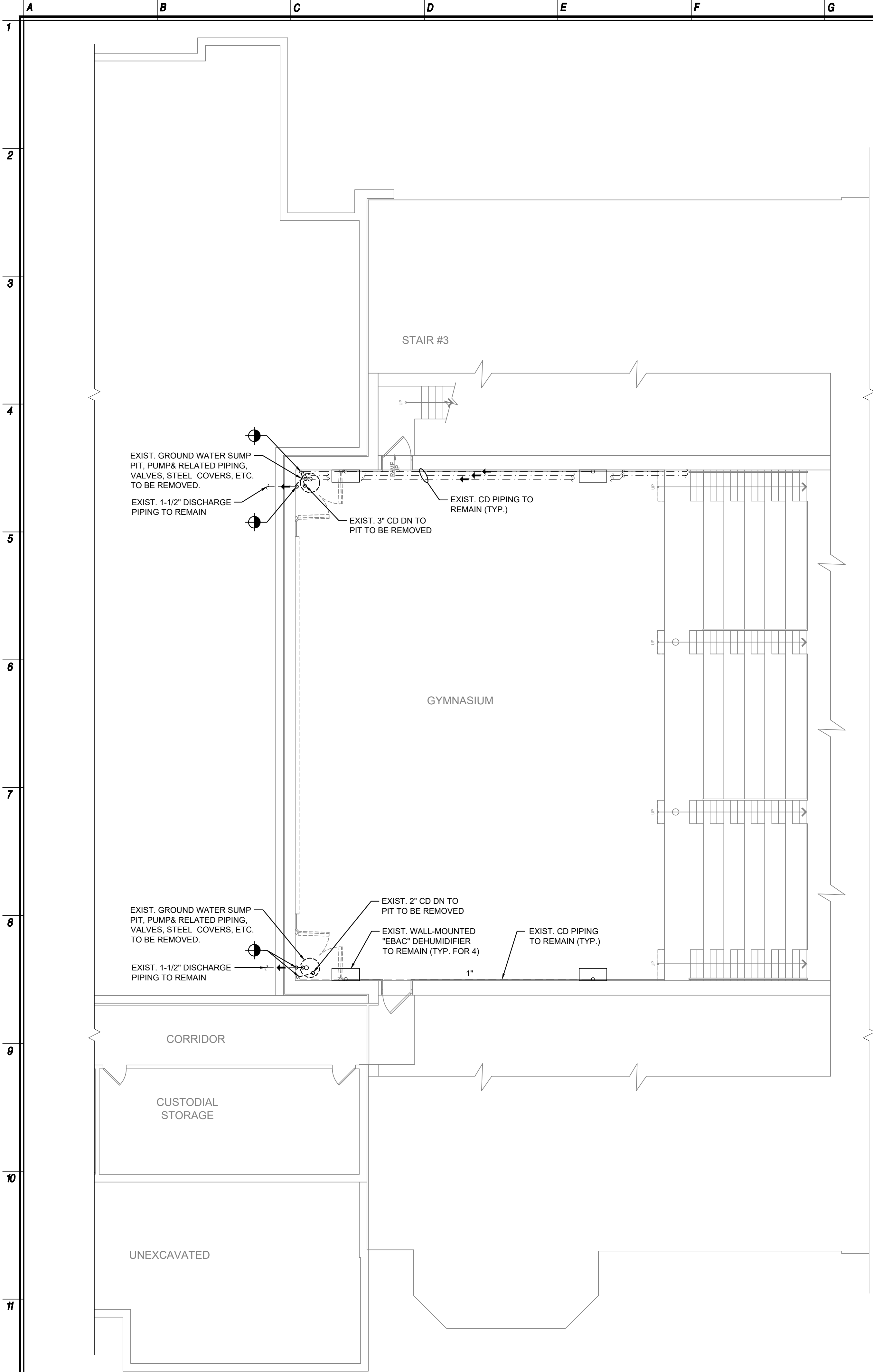
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NYSED PROJECT # 66-07-01-03-0-004-030
LOWER LEVEL PLUMBING DEMOLITION PLAN
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2
File No. 10927202P201

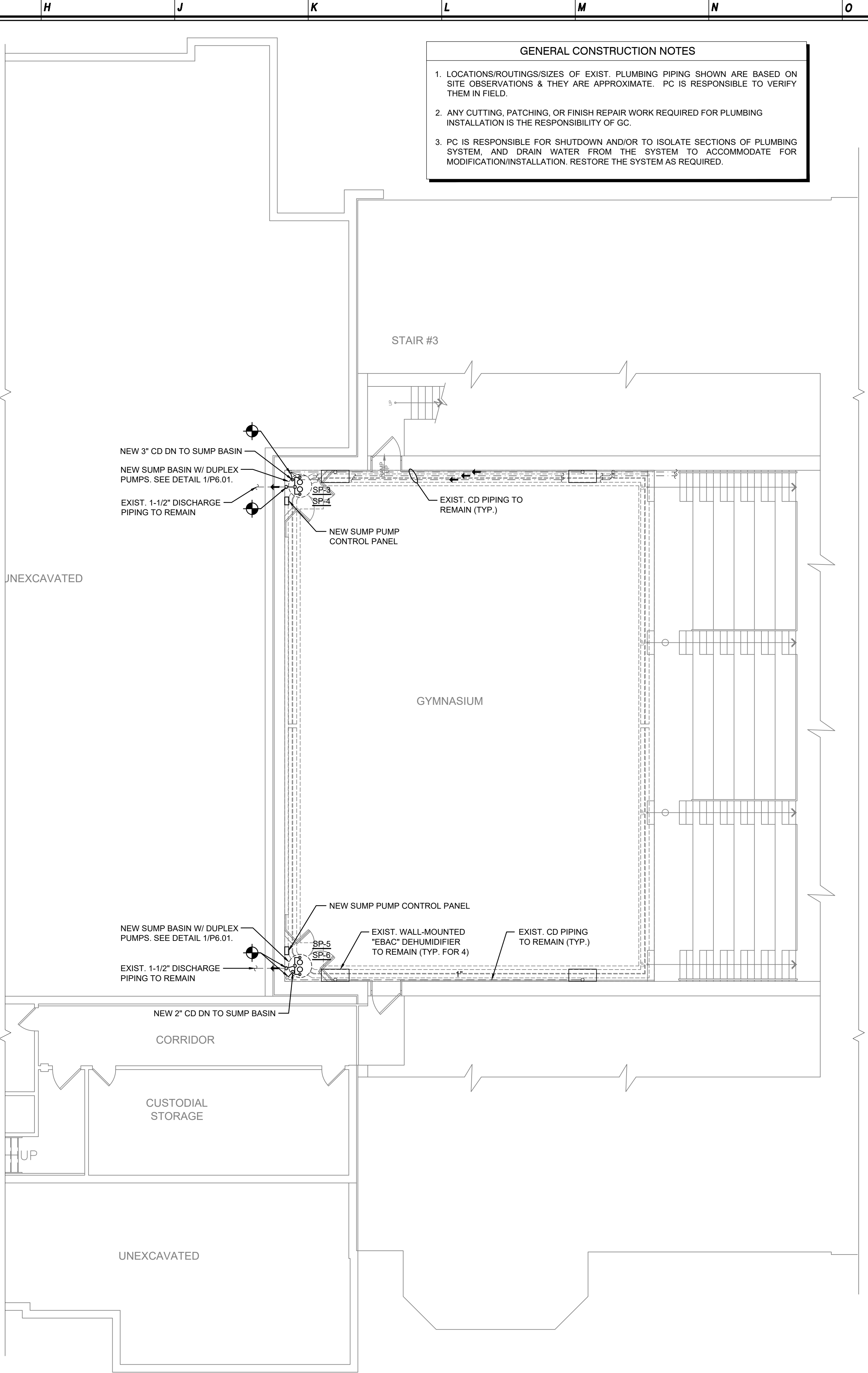
P1.01



1
P2.01

Basement Plumbing Demolition Plan

1/8" = 1'-0"



2
P2.01

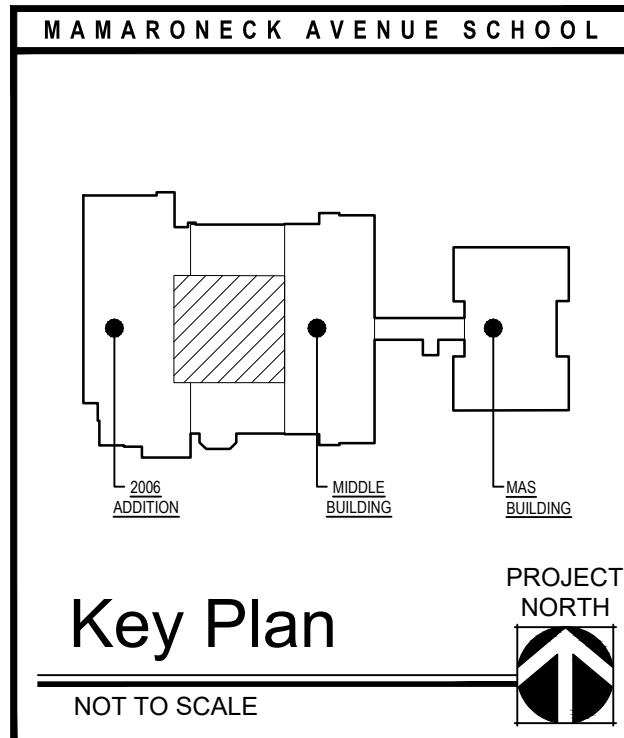
Basement Plumbing Proposed Plan

1/8" = 1'-0"



GENERAL CONSTRUCTION NOTES

1. LOCATIONS/ROUTINGS/SIZES OF EXIST. PLUMBING PIPING SHOWN ARE BASED ON SITE OBSERVATIONS & THEY ARE APPROXIMATE. PC IS RESPONSIBLE TO VERIFY THEM IN FIELD.
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3. PC IS RESPONSIBLE FOR SHUTDOWN AND/OR TO ISOLATE SECTIONS OF PLUMBING SYSTEM, AND DRAIN WATER FROM THE SYSTEM TO ACCOMMODATE FOR MODIFICATION/INSTALLATION. RESTORE THE SYSTEM AS REQUIRED.



NYSed PROJECT # 66-07-01-03-0-004-030

BASEMENT PLUMBING PLAN

2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2
File No. 10927202P201

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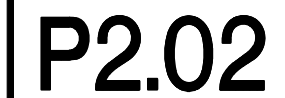
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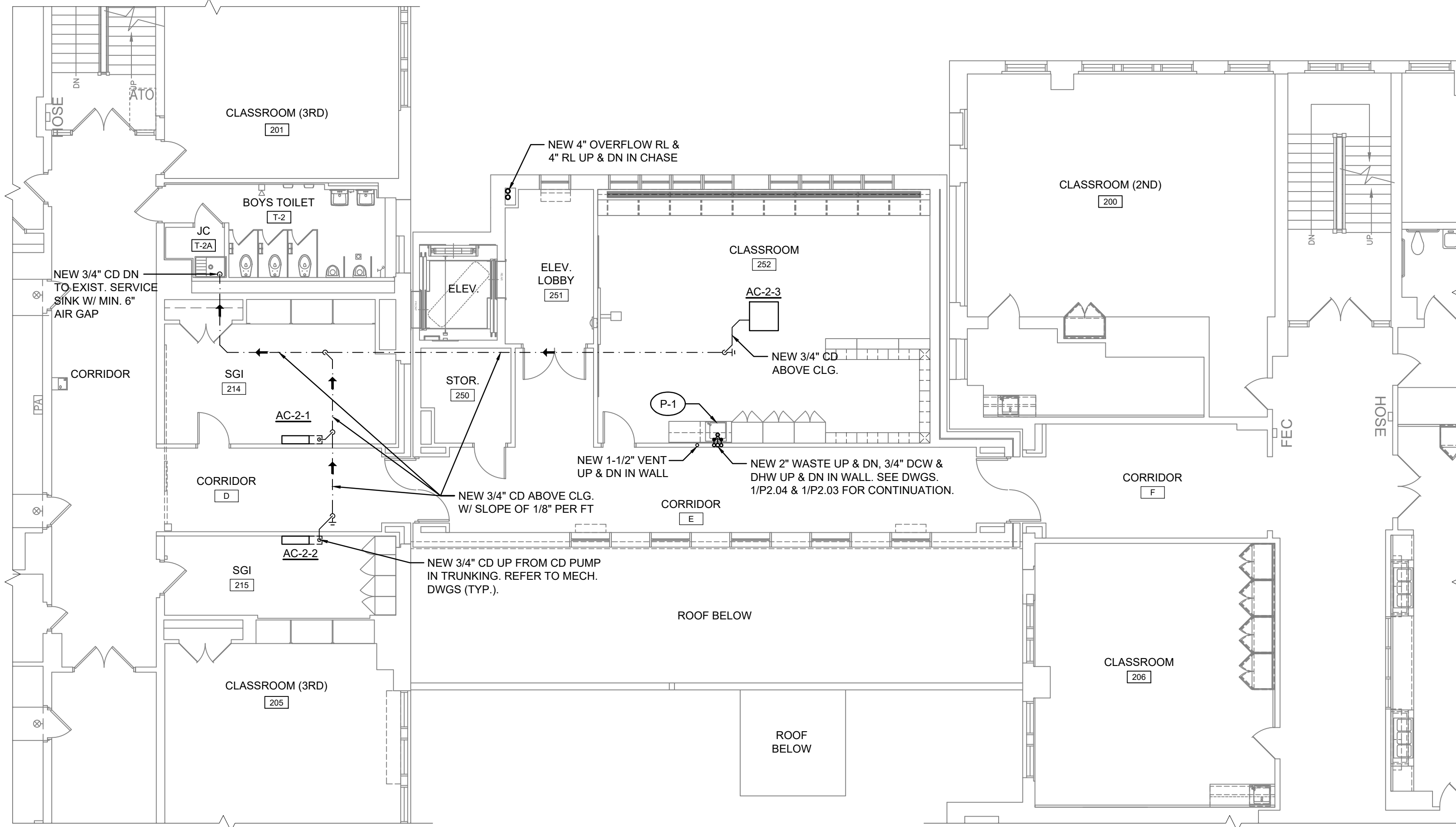
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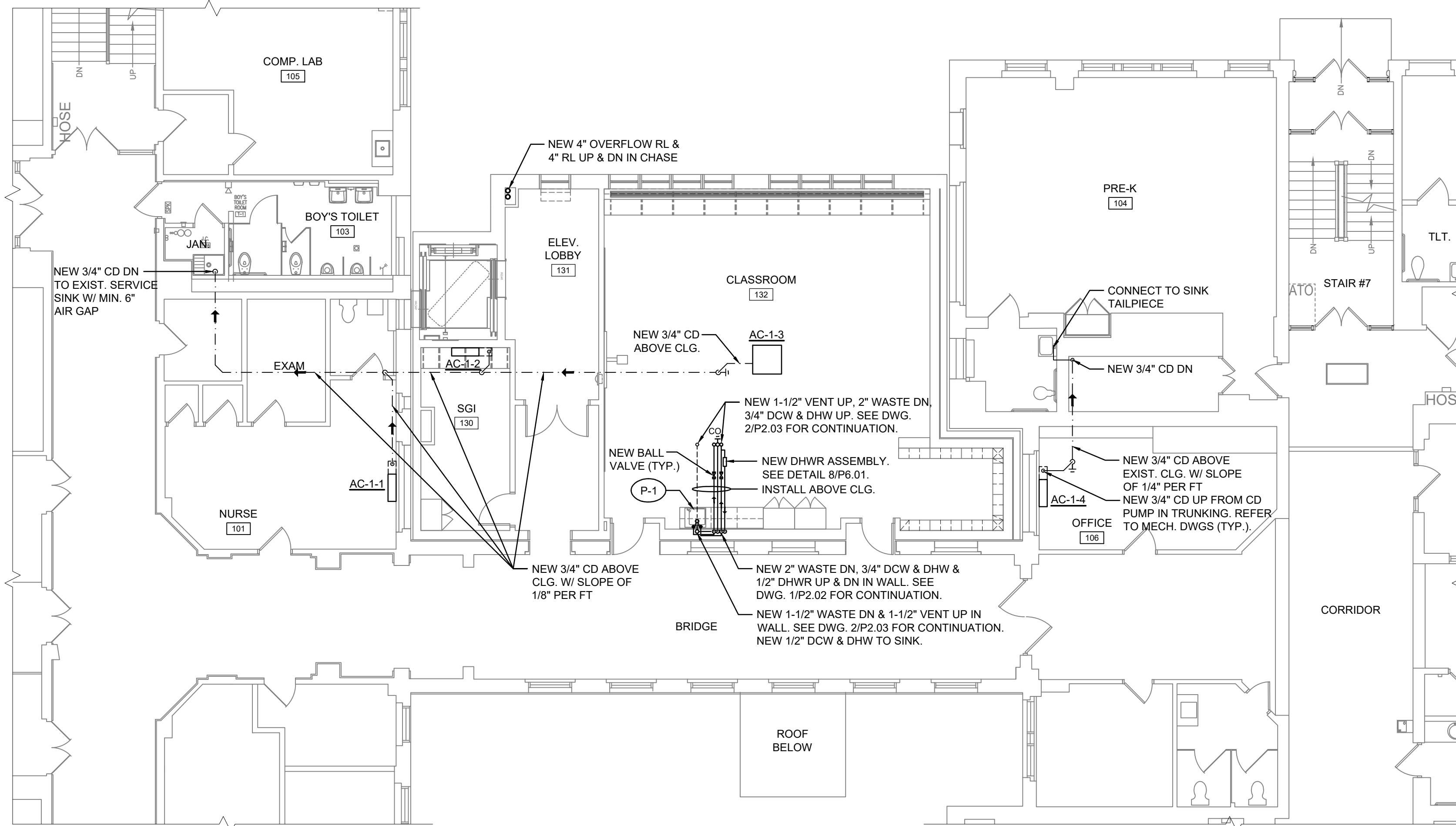
Date 1/10/20
Checked AL
Drawn IM/AL





2
P2.03
1/8" = 1'-0"

NORTH



1
P2.03
1/8" = 1'-0"

NORTH

GENERAL CONSTRUCTION NOTES

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3. PC SHALL CHECK IN FIELD FOR EXACT ROUTING OF NEW PLUMBING PIPING. REUSE EXISTING WALL/FLOOR PENETRATIONS WHERE POSSIBLE.
4. PC TO CORE-DRILL FOR NEW PIPE PENETRATIONS AS REQUIRED & CAULK W/ 2HR RATED FIRESTOPPING MATERIALS. GC TO SAW-CUT EXIST. WALLS/FLOORS/CLG. AS REQUIRED & PATCH & PAINT TO MATCH EXIST. FINISH. PC TO PROVIDE PIPE ELBOWS, FITTINGS, ETC. REQUIRED FOR THE PROJECT.
5. ANY CUTTING, PATCHING, OR FINISH REPAIR WORK REQUIRED FOR PLUMBING INSTALLATION IS THE RESPONSIBILITY OF GC.
6. ALL NEW ROOF LEADER PIPING SHALL BE INSULATED WITH 1" THICK FIBERGLASS PIPE INSULATION WITH ASJ JACKETS. ALL NEW CONDENSATE PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL). PROVIDE PIPE IDENTIFICATIONS WITH FLOW ARROWS ON PIPE INSULATION.
7. PC IS RESPONSIBLE FOR SHUTDOWN AND/OR TO ISOLATE SECTIONS OF PLUMBING SYSTEM, AND DRAIN WATER FROM THE SYSTEM TO ACCOMMODATE FOR MODIFICATION/INSTALLATION. RESTORE THE SYSTEM AS REQUIRED.
8. GC IS RESPONSIBLE TO REMOVE EXISTING CEILING/GRIDS & RELOCATE EXISTING LIGHT FIXTURES, FIRE & COMMUNICATION DEVICES, ETC. TO ACCOMMODATE PLUMBING INSTALLATION. REINSTALL TO MATCH EXISTING. REPLACE ALL DAMAGED TILES. MODEL & TYPE OF NEW CEILING TILES SHALL MATCH EXISTING.
9. EXIST. CABINET SINKS THROUGHOUT THE SCHOOL ARE TO BE REPLACED. REFER TO DWGS. A2.03 THRU A2.05 FOR LOCATIONS. PC SHALL DISCONNECT EXIST. PLUMBING PIPING TO ACCOMMODATE REMOVAL OF EXIST. CABINETS. REMOVE EXIST. SINKS & FAUCETS & PLUMBING ACCESSORIES & DISPOSE OFF THE SITE. INSTALL NEW SINKS WITH NEW FAUCETS ON NEW CABINETS & CONNECT TO EXIST. PLUMBING PIPING.

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Revisions:	ISSUE TO BD 11/23/20
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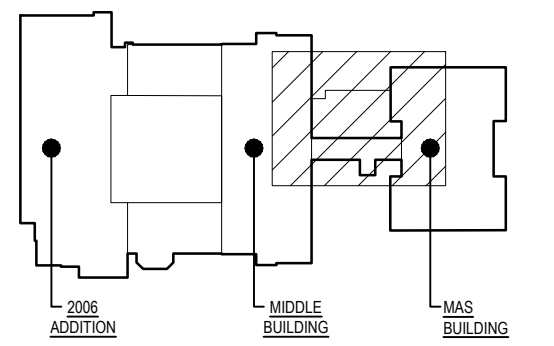
PLUMBING PROPOSED PLANS

2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2
File No. 10927202P201

P2.03

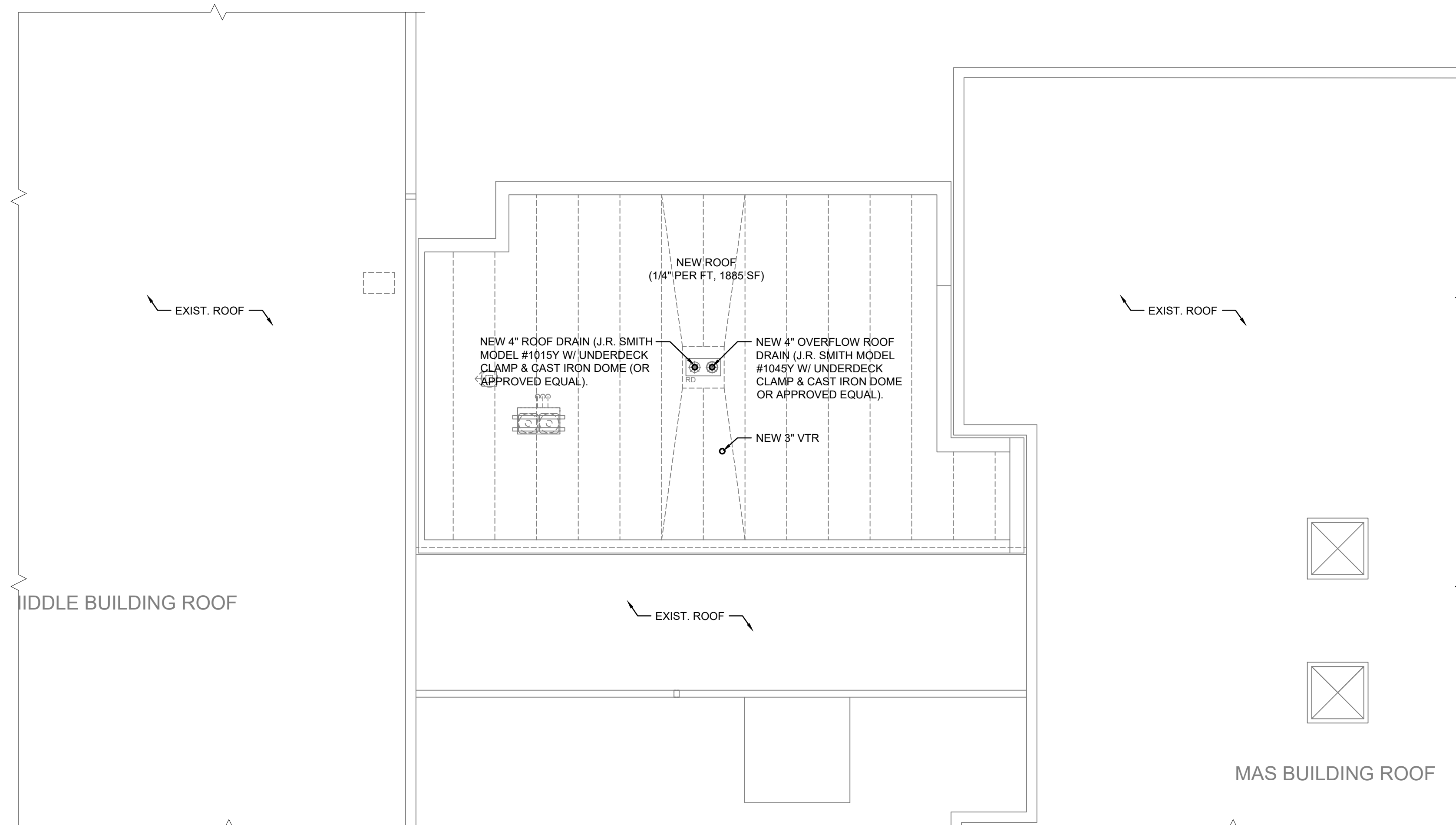
MAMARONECK AVENUE SCHOOL



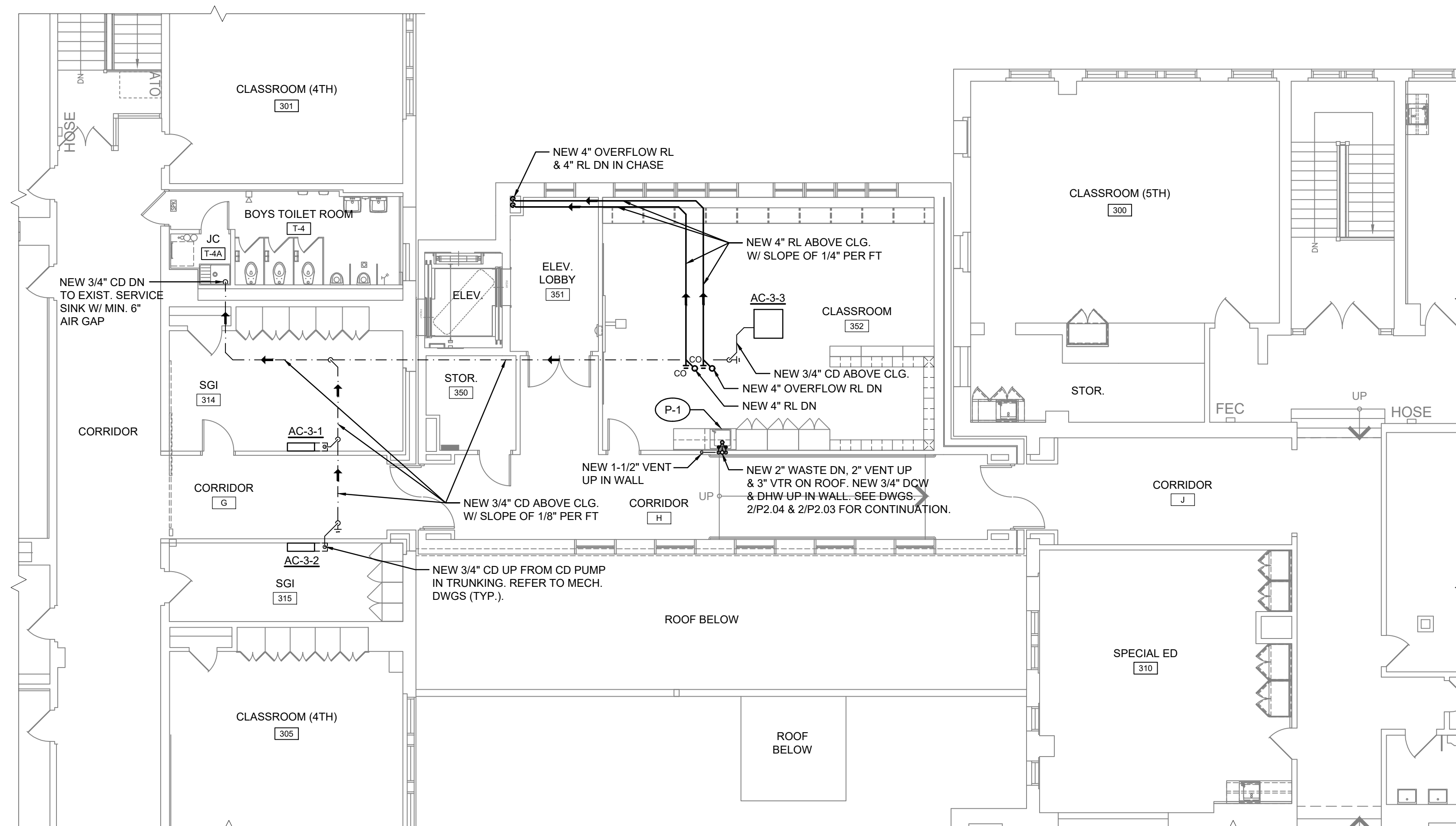
Key Plan

NOT TO SCALE



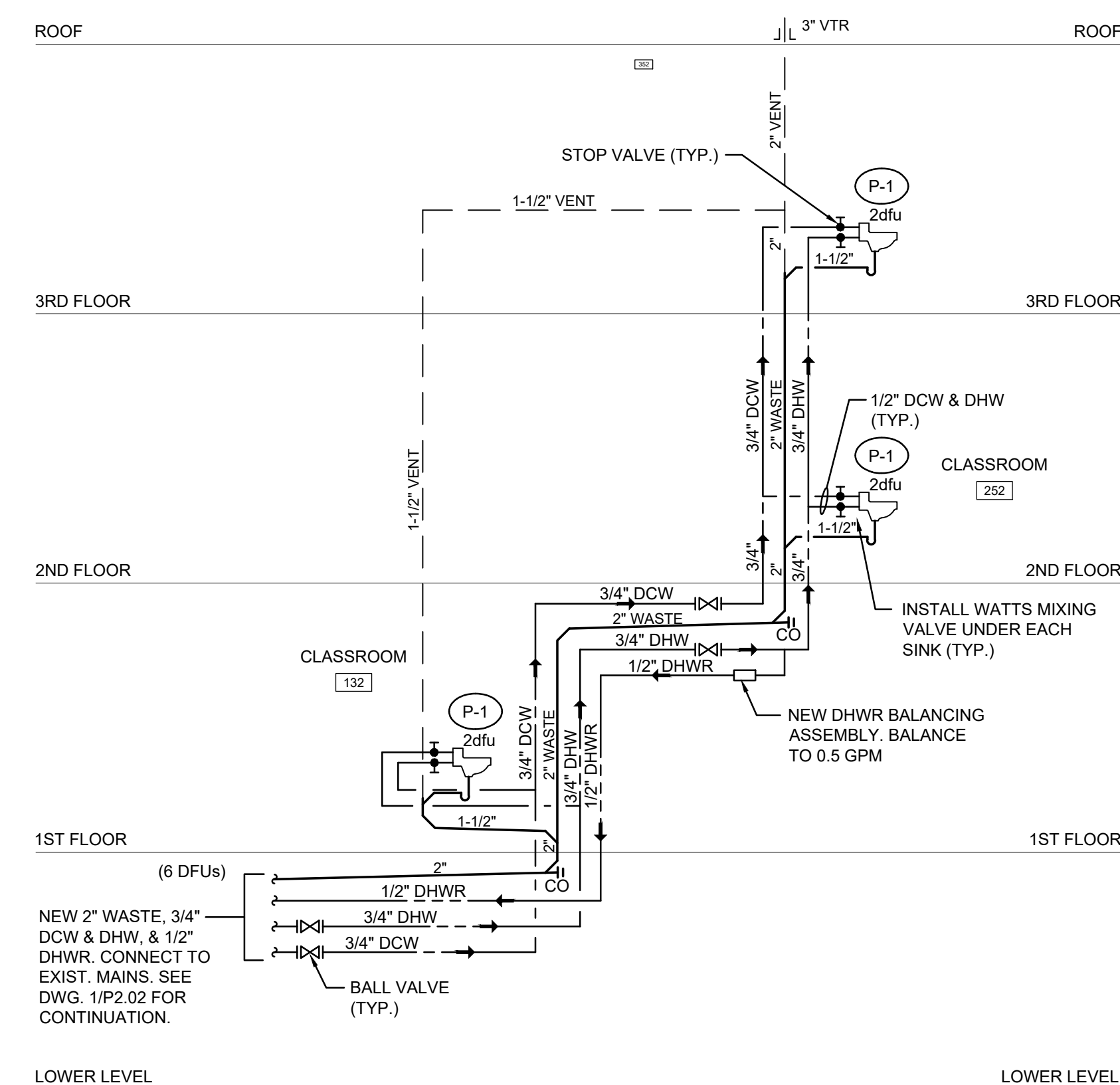


Partial Roof Plumbing Proposed Plan

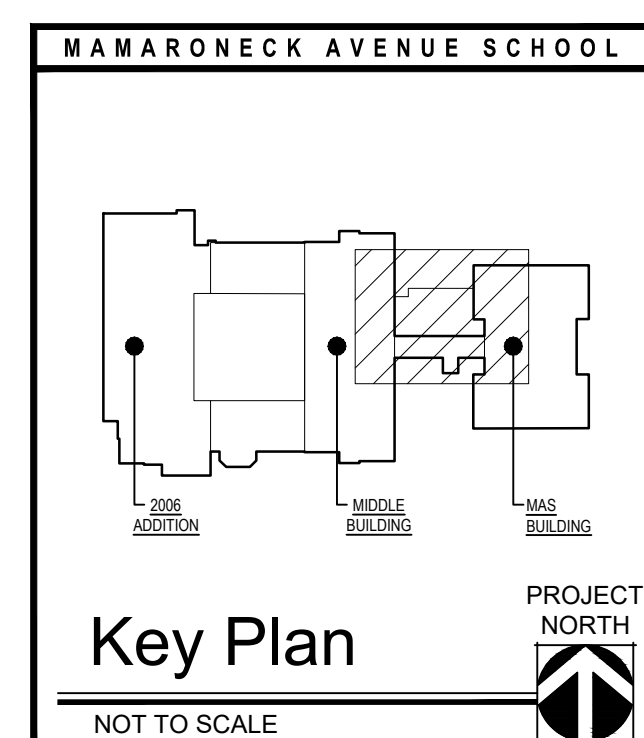


Partial Third Floor Plumbing Proposed Plan

- ### GENERAL CONSTRUCTION NOTES
1. LOCATIONS/ROUTINGS/SIZES OF EXIST. PLUMBING PIPING SHOWN ARE BASED ON SITE OBSERVATIONS & THEY ARE APPROXIMATE. PC IS RESPONSIBLE TO VERIFY THEM IN FIELD. GC TO SAWCUT EXIST. WALLS/FLOOR SLABS OR OPENING EXIST. CHASES AS REQUIRED TO ACCOMMODATE PLUMBING INSTALLATION. GC TO PATCH WALLS/CHASES/FLOOR SLABS AS REQUIRED TO MATCH EXISTING.
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 7. PC IS RESPONSIBLE FOR SHUTDOWN AND/OR TO ISOLATE SECTIONS OF PLUMBING SYSTEM, AND DRAIN WATER FROM THE SYSTEM TO ACCOMMODATE FOR MODIFICATION/INSTALLATION. RESTORE THE SYSTEM AS REQUIRED.
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3 Plumbing Riser Diagram

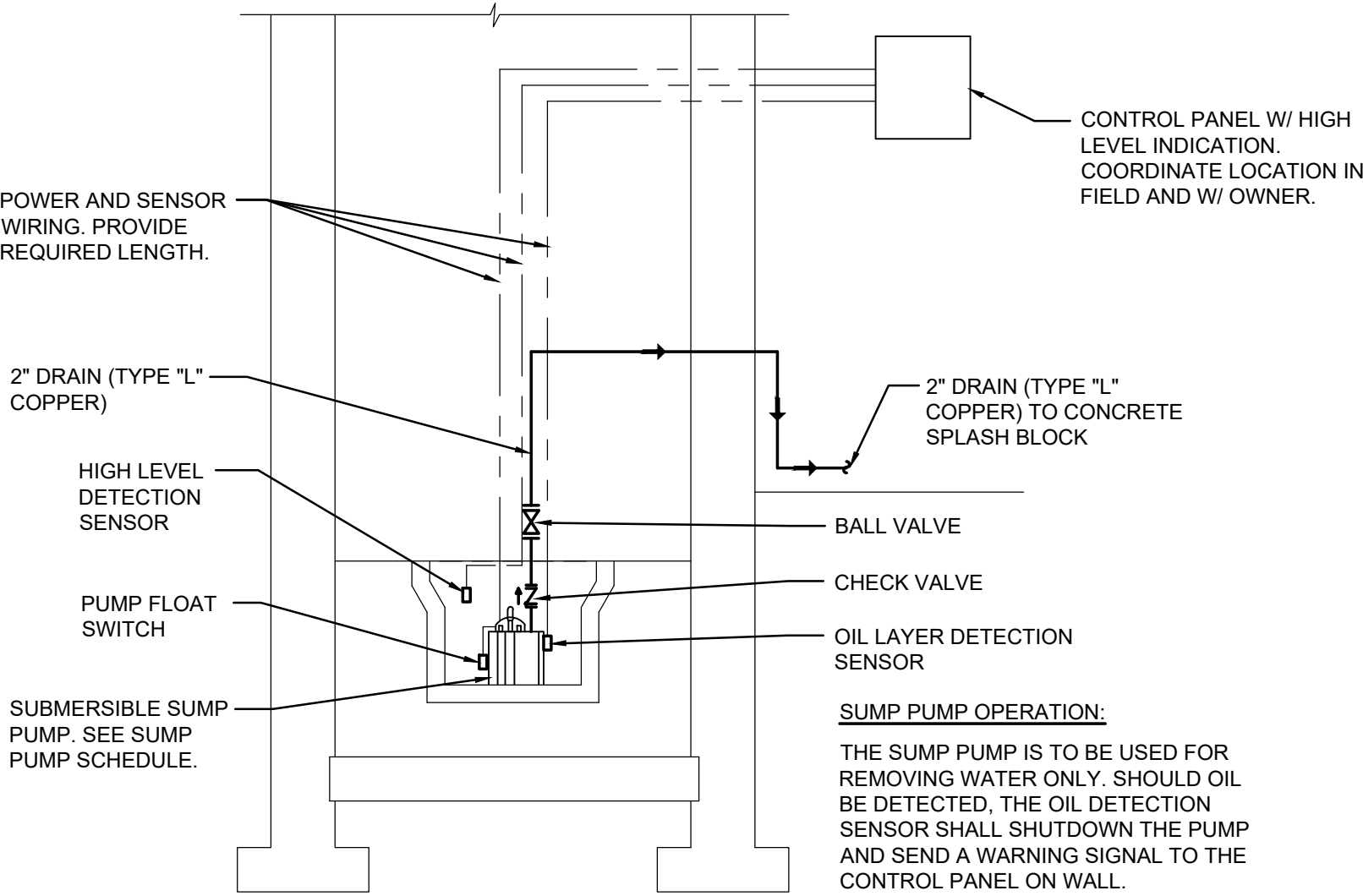


SUMP PUMP SCHEDULE										(GOULDS PUMP AS STANDARD)
TAG No.	LOCATION	GPM	HD (FT)	HP	RPM	ELECTRICAL DATA VOLT/PH/Hz	MODEL & MANUFACTURER		REMARKS	
SP-1, 2	OUTDOOR STORAGE 054	45	25	1/2	3450	115/1/60	3885 WE0511H	GOULDS PUMP	PROVIDE W/ 36"Ø x 48" DEEP FIBERGLASS BASIN W/ ANTO-FLOATATION COLLAR, NEMA 1 DUPLEX CONTROLLER & (3) A2-6 NON-MERCURY FLOATS & HIGH WATER ALARM CONTROLS. SEE DETAIL 1/P6.01 FOR ADD'L INFO.	
SP-3, 4	BASEMENT GYMNASIUM	60	25	3/4	3450	208/1/60	3885 WE0718H	GOULDS PUMP	PROVIDE W/ 36"Ø x 48" DEEP FIBERGLASS BASIN W/ ANTO-FLOATATION COLLAR, NEMA 1 DUPLEX CONTROLLER & (3) A2-6 NON-MERCURY FLOATS & HIGH WATER ALARM CONTROLS. SEE DETAIL 1/P6.01 FOR ADD'L INFO.	
SP-5, 6	BASEMENT GYMNASIUM	60	25	3/4	3450	208/1/60	3885 WE0718H	GOULDS PUMP	PROVIDE W/ 36"Ø x 48" DEEP FIBERGLASS BASIN W/ ANTO-FLOATATION COLLAR, NEMA 1 DUPLEX CONTROLLER & (3) A2-6 NON-MERCURY FLOATS & HIGH WATER ALARM CONTROLS. SEE DETAIL 1/P6.01 FOR ADD'L INFO.	

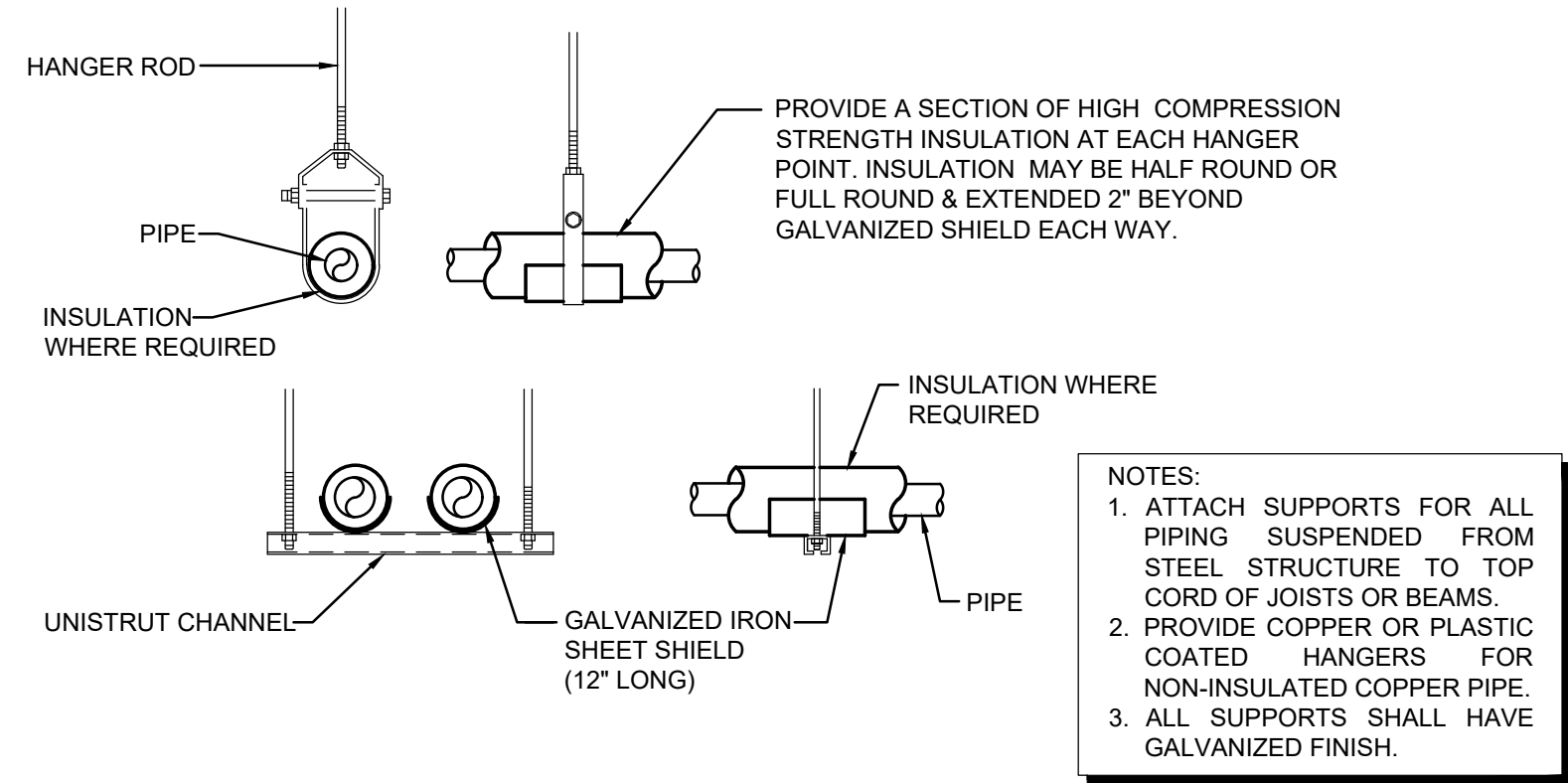
ELEVATOR SUMP PUMP SCHEDULE										(GOULDS PUMP AS STANDARD)
TAG No.	LOCATION	GPM	HD (FT)	HP	RPM	ELECTRICAL DATA VOLT/PH/Hz	MODEL & MANUFACTURER		REMARKS	
ESP-1	ELEVATOR SUMP PIT	50	15	1/3	3,450	115/1/60	ELKTWE0511H	GOULDS PUMP	ELEVATOR SUMP PUMP. PROVIDE W/ CONTROL PANEL (ITT CENTRIPRO MODEL #A1SEE1) WITH LIQUID SMART SWITCH & HIGH ALARM CONTROLS, OIL SMART SWITCH (ITT CENTRIPRO MODEL #A1SEEWAWTER), & CHECK & SHUTOFF VALVES.	

CONDENSATE DRAIN PUMP SCHEDULE												(LITTLE GIANT AS STANDARD)	
TAG No.	UNIT SERVED	LOCATION	PERFORMANCE (GPH @ HEAD)	SHUT OFF	ELECTRICAL DATA				MODEL & MANUFACTURER	UNIT DIMENSIONS (L x W x H) (IN)	APPROX. WEIGHT (LBS.)	REMARKS	
			10'	FEET	HP	VOLT/PH/Hz	AMPS	WATTS					
CDP-1	EXIST. FCU	TOILET 010A	48	20	1/30	115/1/60	1.5	93	VCMA-20UL LITTLE GIANT	10-1/2 x 5-1/8 x 7-1/8	5.0	PROVIDE SHUTOFF & CHECK VALVES ON DISCHARGE PIPING.	
CDP-2	EXIST. AIR COMPRESSOR & AIR DRYER	OUTDOOR STORAGE 054	48	20	1/30	115/1/60	1.5	93	VCMA-20UL LITTLE GIANT	10-1/2 x 5-1/8 x 7-1/8	5.0	PROVIDE SHUTOFF & CHECK VALVES ON DISCHARGE PIPING.	

PLUMBING FIXTURE SCHEDULE												
NUMBER	FIXTURE	MANUFACTURER	MODEL NO.	TRIM NO.	SUPPLY PIPE NO.	TRAP NO.	PIPE SIZES					NOTES
							TRAP	WASTE	VENT	DCW	DHW	
P-1	SINK	ELKAY	DRKAD222065R	ELKAY LKD2439BHC	McGUIRE LF158	McGUIRE 8902C	1-1/2" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	22"x19-1/2"x6-1/2" 18 GA. 304 STAINLESS STEEL SINK. PROVIDE W/ FAUCET W/ 4" LEVER HANDLES. BUBBLER MOOLE #LK1141A, ELKAY STRAINER & TAILPIECE #LK18B, WATTS TMV #LFUSG-B, & ELKAY IN-LINE WATER FILTER KIT MODEL #EWF3000 W/ FILTER #51300C (TO BE INSTALLED FOR BUBBLER). INSTALL TO MEET ADA REQUIREMENTS.
P-2	SINK	ELKAY	LTR4622	ELKAY LKD2439BHC	McGUIRE LF158	McGUIRE 8902C	1-1/2" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	22"x19-1/2"x5-1/2" 18 GA. 304 STAINLESS STEEL SINK. PROVIDE W/ TWO (2) FAUCETS W/ 4" LEVER HANDLES, THREE (3) ELKAY STRAINER & TAILPIECE #LK18B & TWO (2) WATTS TMV #LFUSG-B.

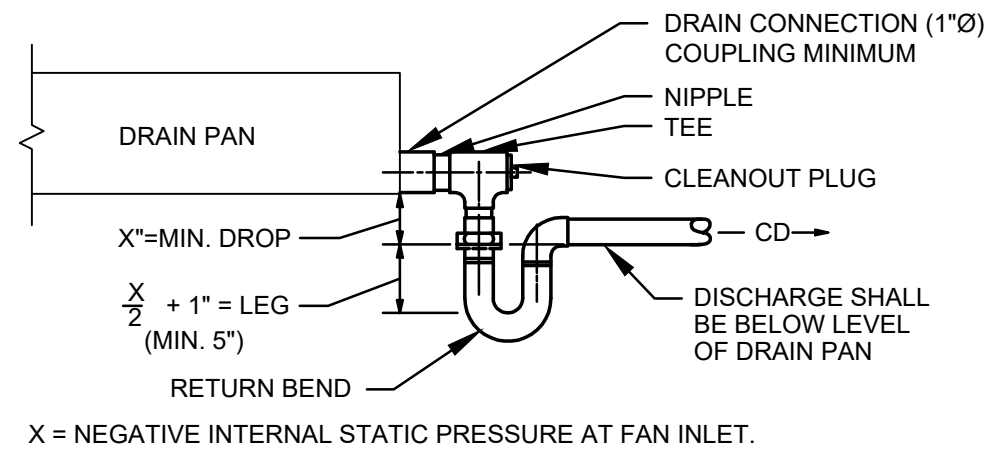


2 ELEVATOR SUMP PUMP PIPING DETAIL
NOT TO SCALE

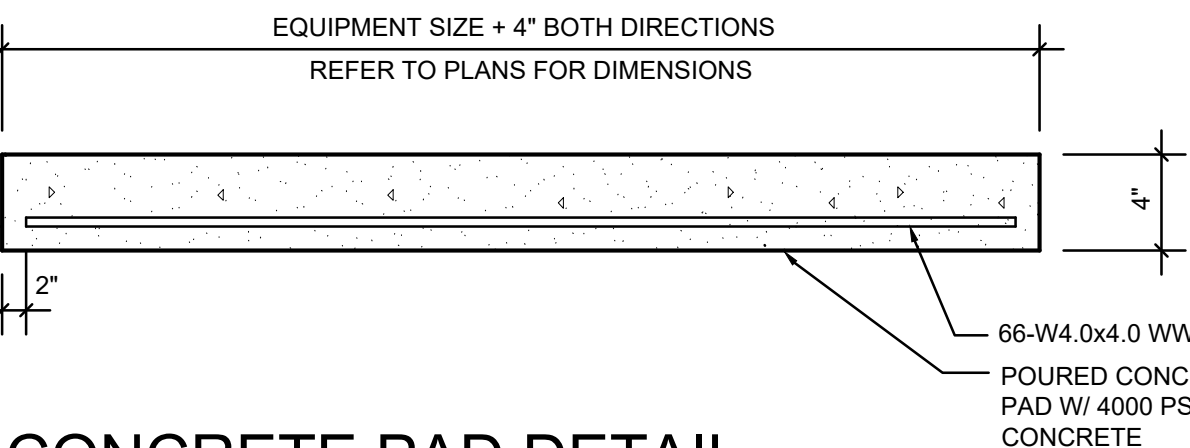


6 PIPE SUPPORT HANGERS
NOT TO SCALE

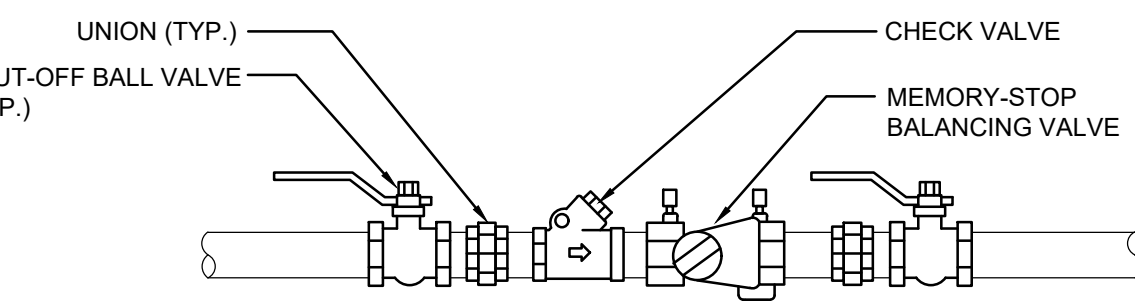
NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP.
2. PITCH DRAIN FOR PROPER RUN-OFF.
3. MANUALLY PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL.
4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW.



3 CONDENSATE DRAIN TRAP DETAIL
NOT TO SCALE

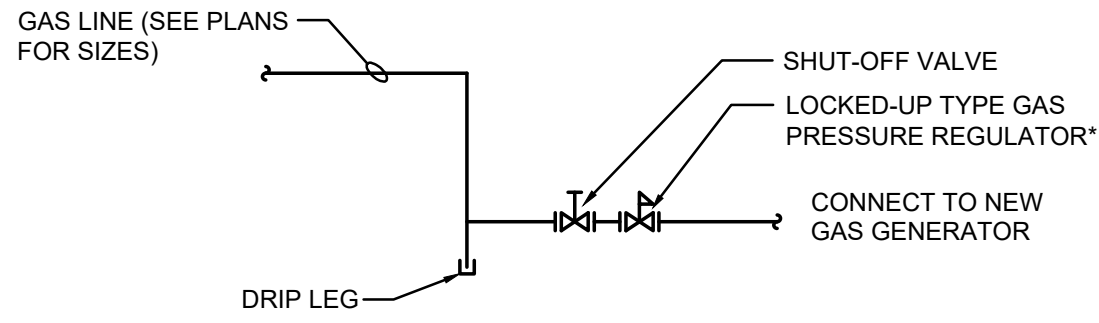


7 CONCRETE PAD DETAIL
NOT TO SCALE

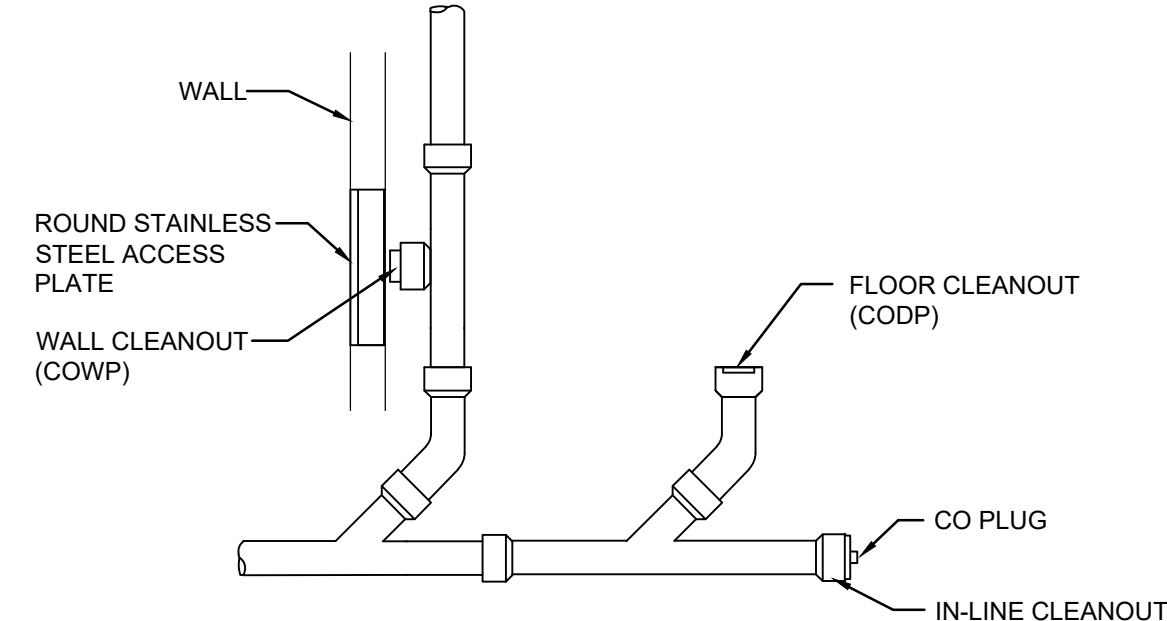


NOTES
1. ALL THREADED PIPING BETWEEN UNIONS SHALL BE BRASS.
2. INSTALL DI-ELECTRIC UNIONS FOR PIPING CONNECTIONS OF DISSIMILAR METALS.

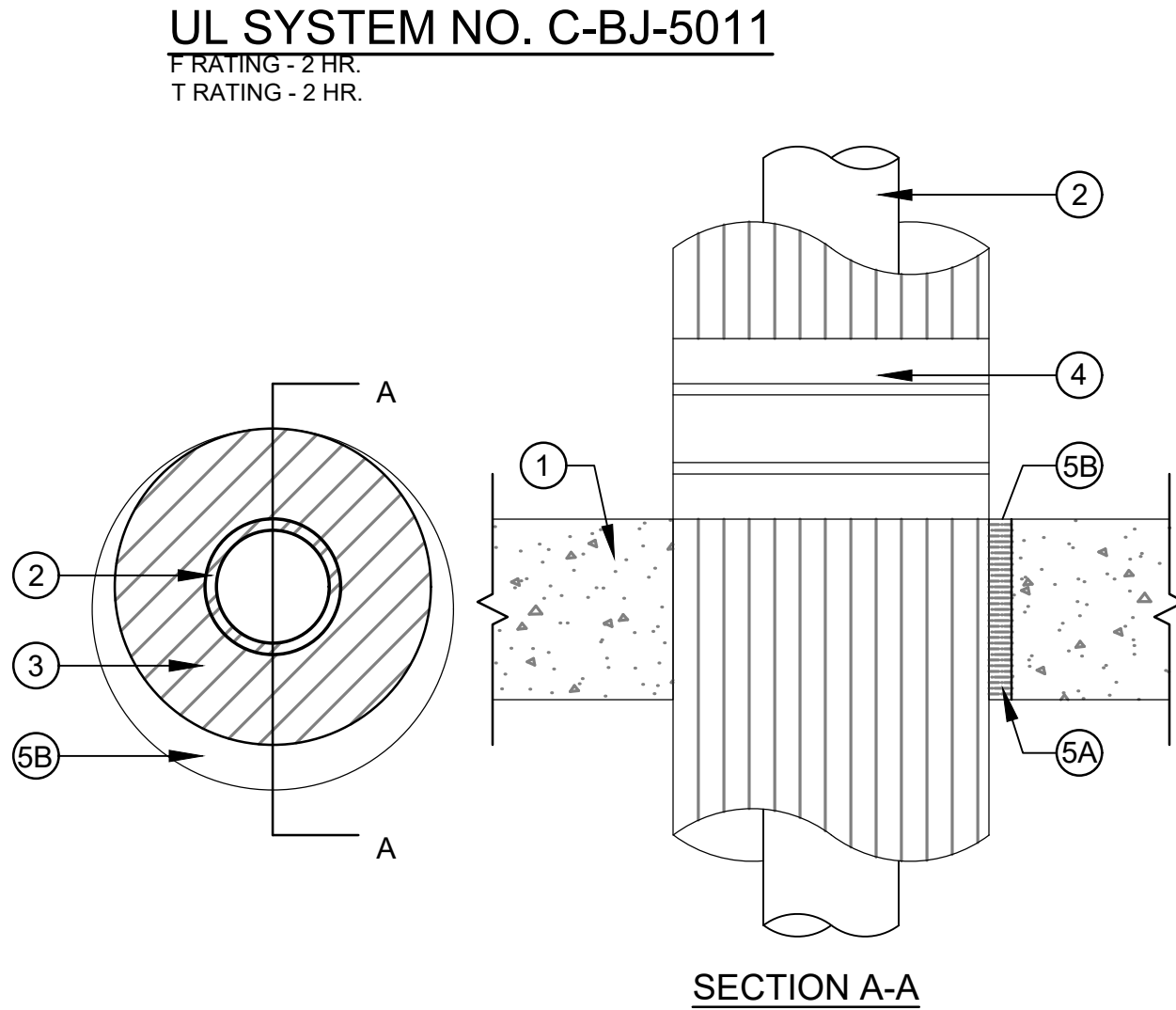
8 DHWR BALANCING ASSEMBLY DETAIL
NOT TO SCALE



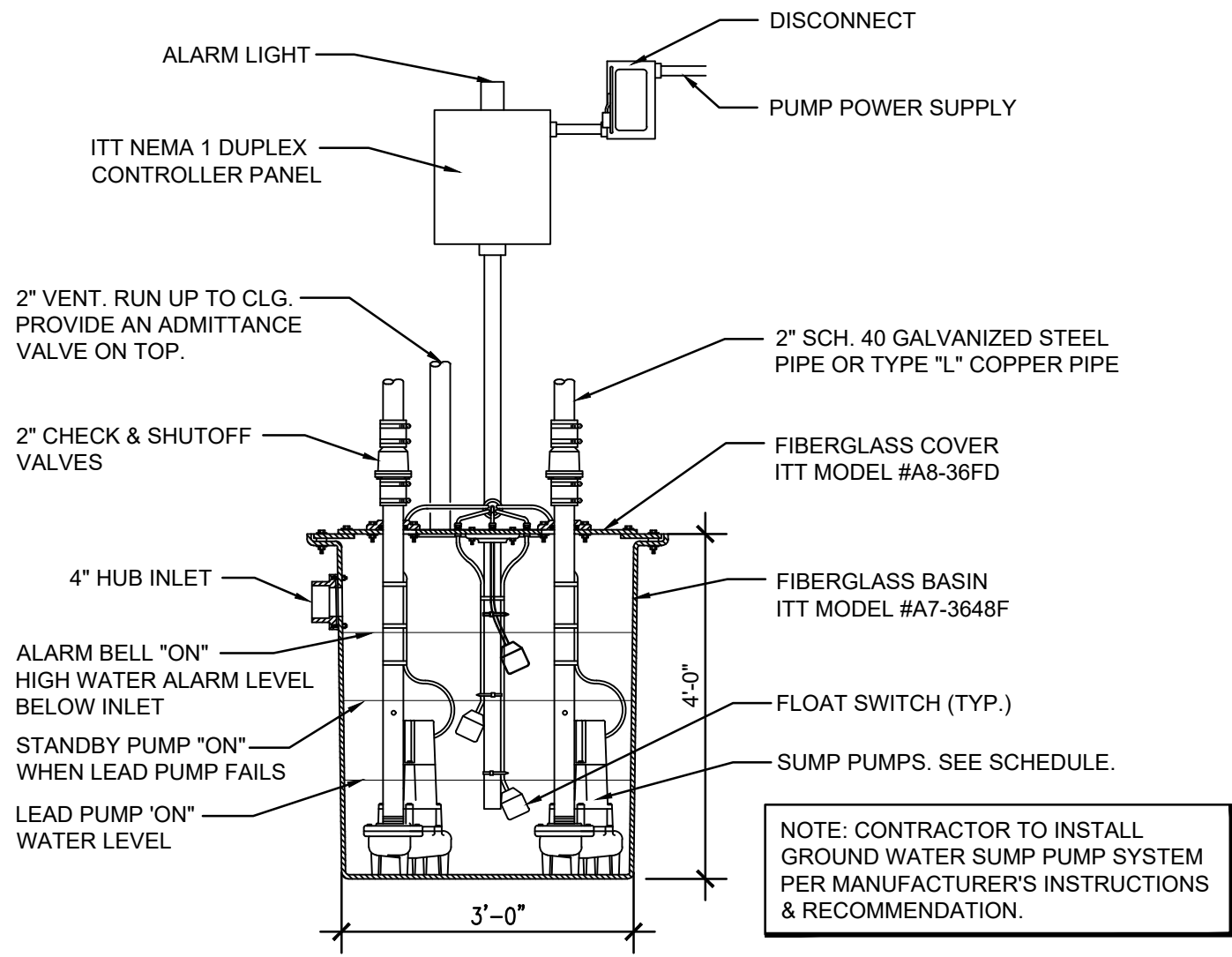
4 GAS CONNECTION DETAIL
NOT TO SCALE



5 CLEANOUT DETAIL
NOT TO SCALE



9 TYPICAL PIPE PENETRATION (ALL LOCATIONS)
NOT TO SCALE



1 SUMP PUMP SYSTEM DETAIL
NOT TO SCALE

Date 1/10/20
Checked AL
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License No. 022257-1
REGISTERED ARCHITECT

Revisions:
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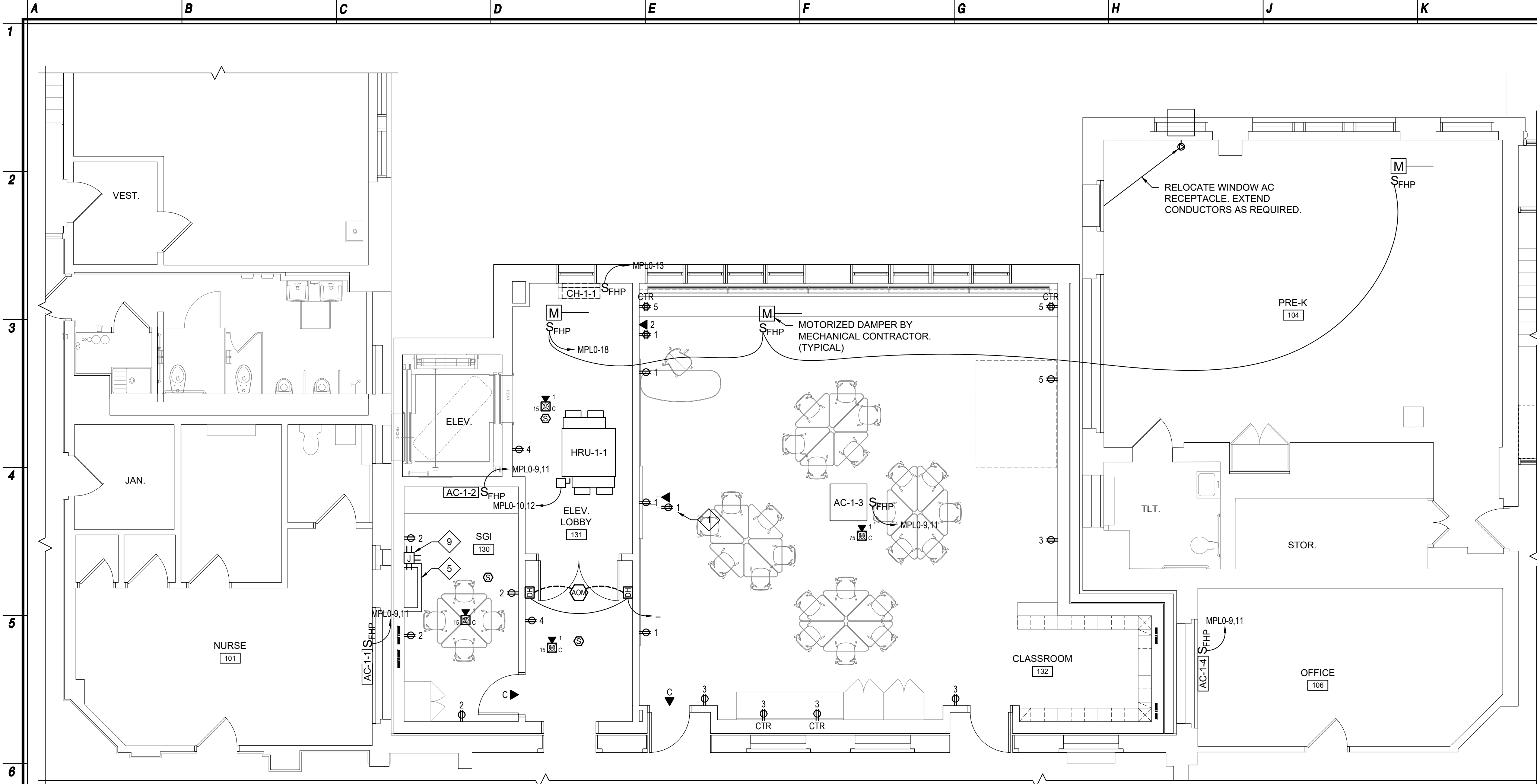
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NYSED PROJECT # 66-07-01-03-0-004-030
PLUMBING SCHEDULES & DETAILS
2019 BOND REFERENDUM
MAMARONECK JUNIOR ELEMENTARY SCHOOL
MAMARONECK AVENUE FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543
Job No. 4.1092.72.2
File No. 10927202P201
P6.01

Electrical General Notes

- Project Information:
- Unless specifically noted otherwise, it shall be understood that when the words "Owner" or "Client" are used in these drawings they are interchangeable an all refer to Mamaronck UFSD.
 - Unless specifically noted otherwise, it shall be understood that when the words "Architect", "Engineer", or "A/E" are used in these drawings they are interchangeable an all refer to LAN Associates, Engineering, Planning, Architecture Surveying ("LAN").
 - Unless specifically noted otherwise, it shall be understood that when the word "Contractor" is used in the Electrical (E-##) drawings and/or Electrical Specification sections it refers to the Electrical Contractor.
 - Where any device or part of equipment is referred to in these drawings in the singular number (e.g., "the switch", "the receptacle"), this reference shall be deemed to apply to many such devices as are required to complete the installation as shown on the drawings.
 - Headings, section titles, and notes shall be interpreted as being subject to the Engineer's authorization. Schedule shutdown during off hours and implement and maintain a temporary operational plan.
- Code & Standards Compliance:
- Code compliance is mandatory. Nothing in these Drawings and Specifications permits work not conforming to these codes. Where work is shown to exceed minimum code requirements, comply with drawings and specifications. When differences in utility specifications or standards, governmental ordinances or codes occur, the more stringent requirements shall govern the installation.
 - The electric installation shall be in accordance with the currently enforced edition of the National Electrical Code (NEC), National Electrical Safety Code (NESC), American Electricians' Handbook, International Building Code (IBC), Americans with Disabilities Act (ADA), NFPA 55 & 59 ASHRAE 90.1 and NEC Standard of installation. Wherever in the documents the word "code" is stated, the more stringent of the above referenced codes is implied.
 - All contractor supplied materials/equipment shall be new and UL Listed or approved by another Nationally Recognized Testing Laboratory (NRTL).
 - The contractor shall pay for and obtain all permits and inspections required by the building and safety codes and ordinances, and the rules and regulations of any legal body having jurisdiction. Permit and inspections shall be include in the base bid and shall not be cause for an extra.
 - Contractor shall conform to all safety rules and other regulations, etc. pertaining to construction work on the client's premises. Contractor shall be responsible to ensure that all rules and regulations have been met and coordinate this work with responsible clients personnel.
 - All electrical equipment and raceways permanently attached to structures, including supporting structures and attachments to non-building structures, shall be anchored for seismic loading to resist a horizontal force action in any direction. Contractor shall provide seismic restraints for all conduits larger than 2 1/2" trade diameter. Provide sway braces for conduit and equipment suspended from the overhead. Provide anchor bolts for floor and wall mounted equipment. The installation shall meet the requirements of International Building Code (IBC) as it applies to electrical equipment and raceways.
 - Contractor shall review code compliance drawings and identify all penetrations through fire/smoke partitions, floor and roofs. Patch compromised partitions to match fire/smoke resistance rating as stated on code compliance drawings.
- General Procedures:
- All equipment shall be as indicated by the Engineer/Architect.
 - The cost incurred by the acceptance of substitutions shall be borne by the contractor. Proof for the equality of the substitutions shall be by the contractor and differences shall be enumerated with the submittal. Submission without the differences noted can be grounds for rejection without review.
 - Electrical components, including but not limited to, conductor size, overcurrent protection device and disconnect switches are based on the power requirements of the equipment shown on the contract documents. All costs (including additional design fees if required) associated with changes to these power requirements shall be the responsibility of the contractor making the change.
 - Obtain shop drawings and wiring diagrams for the proper installation of related electrical work.
 - The contractor shall remove and reinstall ceiling systems as required for the installation of new electrical work and replace, as needed, any components damaged by personnel or equipment during performance of the work.
 - Electrical Contractor shall be responsible for the removal of debris generated by his work and workers at the end of each working day and for general good housekeeping by his workers. Electrical Contractor shall provide required refuse containers.
 - Unless otherwise indicated on the mechanical schedules/drawings, the electrical contractor shall provide and install all mechanical and electrical equipment (i.e., roof top HVAC units, exhaust fans, variable air volume devices, etc.)
- Site Conditions/Drawing Coordination:
- These drawings and specifications illustrate the work to be performed. The Engineer is not responsible for the means, methods, techniques, sequences, and procedures used to do the work, or the safety aspects of construction, and nothing on these drawings expressed or implied changes this condition. Prior to bidding and/or starting work the contractor shall visit the project site to determine the conditions under which the work is to be performed and shall be responsible for knowing how they affect the work. Schedule site visit with client's representatives. Additionally, the contractor shall field verify all site dimensions and room layouts. Submission of a bid to perform this work is an acknowledgement of these responsibilities, and that they have been fully considered in planning of the work, and the bid price. No claims or extra charges due to these conditions will be forthcoming.
 - The client will occupy the site and existing building during the entire construction period. Cooperate with the client during construction operations to avoid any conflicts. Perform the work so as not to interfere with the client's operations. Schedule all power outages with client's approval for overtime on Sundays and Holidays at no additional cost to the client.
 - Existing conditions are based on field observations. Existing conditions are to be shown preferred design/construction documents and existing record documents and are intended to indicate the scope of the work affected by this project.
 - Drawings shall not be scaled. Drawings indicate the general arrangement of systems and requirements of the work. Although size and location of equipment is drawn to scale wherever possible, contractor shall make use of all data in all of the contract documents and verify dimensions at the project site.
 - The electrical contractor shall make his own takeoff on all quantities. It shall be his responsibility, at his cost, to include all equipment and material in order to comply with the intent of the drawings.
 - The circuit numbers are for identification only. The contractor shall be responsible for correctly phasing the circuits in panels.
 - Existing Circuit Designations:
 - All reference to existing circuit designations is based on previous project documentation. The contractor shall consult the engineer in the event that actual conditions do not coincide with the indicated re-distribution or other use of existing circuits as herein indicated.
 - The total connected load for any general purpose (protected at 20A) branch circuit which is re-distributed as a part of this project shall not exceed 13A.
 - Any deviation, as may be directed by the engineer from the indicated circuit structure specified in this drawing set will require both verification by the contractor that the total connected load on the associated supply conductors is within the above specified limit and documentation in the project record (as-built) drawings.
 - The electrical installation shown is represented diagrammatically and indicates the general arrangement of systems and work. The locations and arrangements of equipment, devices, switchboards, panels, partitions, openings, etc. are designed to show preferred configurations to suit known conditions but are approximate and are subject to modifications caused by structural conditions and other existing or proposed equipment. The locations are subject to such modifications as may be found necessary or desirable at the time of installation in order to accommodate field conditions and coordination requirements. Contractor shall follow the intent of the drawings in "laying out" the work and coordinating the work with other trades to verify spacing conditions. Contractor shall determine routing locations required to effect such coordination. The electrical contractor shall coordinate all work and shall make such changes without extra charge.
 - The contract drawings depict the approximate location of all required equipment and if shown, the diagrammatic arrangement of piping, raceways, conduits, feeders, cables, etc., herein after referred to as "conduit." Conduit runs, if shown, have been depicted with the intention of most clearly indicating the proposed routing. Actual runs may differ if kept within the requirements and provisions of these specifications, and providing that that all modifications have been shown in the shop drawings. Contractor responsible to determine conduit runs and "clear" piping, ductwork, access doors, and other obstructions as applicable. Contractor shall coordinate conduit with work of other trades and alter where necessary to avoid interference. Submit for approval, prior to scaled installation drawings showing the location of all new equipment/devices to be installed and indicating circuit designations. Shop drawings shall include all wiring, pull boxes, junction boxes, fittings, wiring devices and dimensioned clearances from the structure and equipment. Coordinate shop drawings with other trades prior to submission.
 - Before the relevant work proceeds, the Contractor shall prepare and submit five (5) copies of shop drawings depicting the proposed conduit routing diagram and equipment layout. Specifically detailed shall be a layout of the switchboard and related equipment in each electric room or electric closet. All equipment layouts shall be drawn to scale and dimensioned. Shop drawings shall be a minimum of 1/8" = 1'-0" and preferably 1/4"=1'-0", dimensioned, showing construction, sizes, weights, arrangements, operating characteristics, performance characteristics and the necessary coordinating trades involved. Shop drawings will not be accepted unless a complete list of deviations from architect's/engineer's proposed plans is included. Exact location of all equipment will be determined in the field and the contractor must secure exact dimensional data before the layout of any work.
- Routing for feeders, instrumentation and control circuits is not shown on the plan drawings. If indicated on the floor plans, they express the intent of routing. Final location and routing shall be suited for the construction of the building and established by the contractor based on the installation conditions and shall be verified in the field. All feeder information, conduit types and installation requirements shall be in accordance with the specifications, electrical sir diagram and appropriate panel schedules.
 - Unless specifically noted otherwise, it shall be understood that when the word "Contractor" is used in the Electrical (E-##) drawings and/or Electrical Specification sections it refers to the responsibility of the contractor.
 - Where mounting heights are not detailed or dimensioned, install electrical services and overhead equipment to provide maximum headroom possible. Connect equipment for ease of disconnecting with minimum interference with other installations.
 - Provide temporary power and lighting as required during the entire duration of demolition and construction utilizing the existing electrical system as a source. The Electrical Contractor shall remove all temporary power and lighting upon the completion of the project.
 - Unless otherwise noted, refer to architectural drawings for elevations and relative positions of equipment, wall, ceiling and floor information and minor architectural differences in each room. Where conflicts exist, provide in the bid proposal the more costly alternative.
- Work/Trade Coordination
- Refer to all other trades' drawings for additional work requirements called out to be performed by the Electrical Contractor. The Electrical Contractor is responsible for all work items pertaining to electric (120V or low voltage), regardless of the drawing location.
 - Coordinate work with other trades to avoid conflict and to provide correct rough in and connection for equipment furnished under trades that require electrical connections. Inform Contractor of other trades' requirements of the required access to and clearances around electrical equipment to maintain serviceability and code compliance.
 - The electrical contractor shall verify the size and rating of all approved mechanical equipment prior to the installation of feeder and branch circuit conductors and overcurrent protection devices.
 - AC and Refrigeration Equipment Nameplate Rating: Short circuit and ground fault protection device rating shall not exceed the manufacturer's values marked on the equipment.
 - Sequence, coordinate and integrate installations of electrical materials and equipment for efficient flow of work. Give particular attention to large equipment requiring positioning prior to closing in the building. Coordinate the cutting and patching of building components to accommodate installation of the electrical equipment and materials.
 - Provide coordination drawings for all required access panel locations in gypsum ceiling to accommodate engineer's and architect's requirements.
 - The Contractor shall coordinate work with the other trades to ensure the minimum safe working clearances around electrical equipment and to ensure access to equipment requiring calibration or maintenance (including motors, controls, instruments, panels, lights, valves, filters, and VAV boxes). Working space and access shall be sufficient for an adult to perform maintenance safely without straddling or removing obstructions and shall conform to NEC requirements (i.e., 110.26, 110.34). Work shall be performed on working space or that impedes maintenance shall be relocated at the Contractor's expense.
- Installation:
- Grounding shall be installed in accordance with the NEC in accordance with electrode, grounding and bonding requirements for service, equipment and enclosures. Install an insulated equipment ground conductor in the raceway of the required access to and clearances around electrical equipment in accordance with NEC Table 250.122. Bond raceways and the frames and enclosures of motors, breakers, switches, and other electrical equipment to the building grounding system. Precaution shall be taken to ensure adequate ground continuity along the conduit or raceway.
 - Provide a separate neutral conductor for each circuit. Install neutral conductors and ground conductors into all switch boxes. Multiple circuits shall not share a common neutral. Neutral shall be sized as large as the phase conductors. Neutral conductors shall not be reduced in size.
 - Arrange connections for single phase circuits to achieve three phase load balance within 20% of the average phase load current. Ungrounded conductors using a common neutral must originate from different phases.
 - The electrical contractor is responsible for maintaining proper phase rotation with all existing electrical work and raceways.
 - Phase rotation check: on multi-phase equipment, perform a phase rotation check prior to energizing the equipment. Use Knopp K-3 or equivalent device with red or "A" lead connected to phase A, white or "B" lead connected to phase B, and blue or "C" lead connected to phase C. Note the phase rotation and annotate test documentation with device used, manner connected, rotation observed, date of test, and name of craftsman. Do not ignore equipment unless otherwise indicated on the drawings.
 - Contractor shall supply all labor, power cables, conduit boxes, fittings, wiring materials, hardware, supports, and miscellaneous items for a complete electrical installation and connection of the electrical work required, except that the provision for owner supplied equipment shall be only be completed to the point indicated elsewhere on the drawings.
 - The Contractor/Installer shall use a calibrated torque tool to achieve the indicated torque value which the tightening torque numeric values identified on the electrical equipment or in the installation instructions. In the absence of connector or the equipment manufacturer's recommended torque values, the tables in Informative Annex I may be used to correctly tighten screw-type connections for power and lighting circuits. Informative Annex I represents the "Recommended Tightening Torque Tables from UL Standard 486A-B".
 - All cables, not within conduit (ex., MC, type fire alarm, PA), routed within the ceiling cavity must be secured using Bridle rings, J-hooks, or other appropriate means. The cable must not lay on dropped ceiling panels, be fastened to existing electrical conduits, steam pipes, sprinkler pipes, insulated pipes, or be routed in such a fashion as to obstruct access hatches, doors, utility access panels, mechanical service work areas or fittings and shall not be routed through fire doors, ventilating shafts, or grates.
 - Unless otherwise provided, MC cables shall be secured at intervals not exceeding 6'. Cables containing four or fewer conductors sized no larger than 10 AWG shall be secured within 12" of every box, cabinet, fitting, or other cable termination.
 - Type MC cable shall be permitted to be unsupported where the cable: (a) Is fished between access points through concealed spaces in finished buildings or structures and supporting is impractical; or (b) Is not more than 6' in length from the last point of cable support to the point of connection to luminaires or other electrical equipment and the cable is supported at the point of connection to an accessible ceiling. Type MC cable fittings shall be permitted as a means of cable support.
 - All cable trays and electrical conduits shall be independently supported and braced independently of the ceiling.
 - All new wiring is to be run concealed wherever possible. All conductors shall be in a surface mounted metallic raceway in public spaces or metallic conduit in utility locations when not routed or concealed in the ceiling cavity. Any locations that do not have accessible ceiling (dropped ceilings will require the use of surface mounted metallic raceways. Provide pull-boxes (size per code) and locate in conduit runs as required. No exposed cable may be installed.
 - Surface mounted metallic raceway shall meet the following criteria:
 - Install in accordance with manufacturer's instructions for system components and approved shop drawings. Coordinate installation with adjacent work to ensure proper clearances and prevent electrical hazards.
 - Install in accordance with complete system instruction sheets.
 - Install enclosures to be mechanically continuous and connected to all electrical outlets, boxes, device mounting brackets, and cabinets, in accordance with manufacturer's installation sheets.
 - Install enclosures to be electrically continuous and bonded in accordance with the National Electric Code for proper grounding.
 - Mechanical Security. Raceway systems shall be mechanically continuous and connected to all electrical outlets, boxes, device mounting brackets, and cabinets, in accordance with manufacturer's installation sheets.
 - Electrical Security. Metal raceway shall be electrically continuous and bonded in accordance with the National Electric Code for proper grounding.
 - Raceway Support. Raceway shall be supported by 2x4ole straps at intervals not exceeding 5 feet or in accordance with manufacturer's installation sheets.
 - Accessories: Provide accessories as required for a complete installation, including insulated bushings and inserts where required by manufacturer.
 - Unused Openings: Close unused raceway openings using manufacturer's recommended accessories.
 - Where PVC raceway is indicated to be installed exposed in an external environment, expansion fittings shall be installed to meet the requirements of NEC 352.44.
 - All openings and penetrations shall be sealed upon completion of the electrical installation to prevent the spread of smoke and fire through openings. Seal around conduit and raceway penetrations through interior walls and floor separating areas to restore original fire rating; use a UL classified fire sealant. Seal penetrations through roof and exterior walls to make weathertight. Request inspection of fire seals by electrical inspector from authority having jurisdiction before and after placement of fire seal materials. All openings shall be coordinated with the other trades to limit interference and obstruction.
 - Limit the use of electrical metallic tubing (EMT) to where it will not be subject to physical damage or corrosion. Use intermediate metal conduit (IMC) or rigid galvanized steel conduit (RGS) where raceways are embedded in concrete or exposed to physical damage. Use minimum size 3/4" conduit. EMT shall be supported by 2x4ole straps at intervals not exceeding 5 feet or in accordance with manufacturer's installation sheets.
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SYMBOL LEGEND SYMBOLS FOR DWGS E2.01 & E2.02

NEW PANEL. REFER TO PANEL SCHEDULES AND RISER DIAGRAM FOR ADDITIONAL INFO.

REQUIRED CLEAR SPACE. MIN. 30"W x 36"D

20A, 120V, TAMPER RESISTANT DUPLEX RECEPTACLE TO CIRCUIT INDICATED.

20A, 120V, TAMPER RESISTANT QUAD. RECEPTACLE TO CIRCUIT INDICATED.

CODE SIZED JUNCTION BOX

CODE SIZED DISCONNECT SWITCH. - "F" INDICATES CURRENT LIMITING FUSES.

SFHP FRACTIONAL HP MOTOR STARTER W/ THERMAL OVERLOAD

HOMERUN TO CIRCUIT INDICATED

CAT. 6 DATA JACK, MOUNTED 18" A.F.F. WITH CATEGORY 6 CABLE(S) EXTENDING FROM THE DATA JACK TO THE CLOSEST IDF/MDF CLOSET. CABLE(S) SHALL BE SLEEVED WITH 3/4" MIN. INTO CEILING CAVITY WHERE INSTALLED CONCEALED IN PARTITION WALLS OR FLOORS.

- "F" INDICATES NUMBER OF PORTS/HOMERUNS. WHEN MORE THAN ONE, TERMINATE IN A MULTI-SOCKET RJ45 FACEPLATE

- "W" INDICATES A SINGLE PORT MOUNTED 60" A.F.F. FOR WALL MOUNTED PHONE.

- "C" INDICATES A SINGLE PORT MOUNTED 12" ABOVE THE DOOR FOR A FUTURE CLOCK.

G/GFCI GROUND FAULT CURRENT INTERRUPTER

CTR INSTALLED ABOVE COUNTER HEIGHT. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFO.

WP WEATHERPROOF (RECEPTACLE MOUNTED IN AND "IN-USE" COVER

- ALL DUCT SMOKE/FIRE DAMPERS SHALL BE CONNECTED TO CIRCUIT MPL0-23 UNLESS NOTED OTHERWISE.

- CONNECT ALL DAMPERS TO THE FIRE ALARM SYSTEM WITH INPUT/OUTPUT RELAYS. DAMPERS SHALL CLOSE UPON AN ALARM CONDITION. CONFIRM EXACT QUANTITY AND LOCATIONS WITH THE MECHANICAL PLANS. COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR.

Fire Alarm Symbol Legend

SYMBOLS FOR DWGS E2.01 & E2.02

NOTE:
LIGHT LINES INDICATE EXISTING TO REMAIN.
DARK LINES INDICATE NEW WORK.

COMBINATION SPEAKER/STROBE
"CD" - MINIMUM CANDELA RATING
"W" - MINIMUM WATTAGE TAP
"C" - CEILING MOUNTED (WALL MOUNTED IF NOT INDICATED)

CEILING MOUNTED STROBE
"CD" - MINIMUM CANDELA RATING

PHOTOELECTRIC SMOKE DETECTOR

HEAT DETECTOR - COMBO ROR/FIXED TEMPERATURE

DUCT SMOKE DETECTOR. LOCATE IN DUCT WITHIN AFTER PENETRATION INTO CONDITIONED SPACE. COORDINATE INSTALLATION WITH MC. PROVIDE A REMOTE TEST STATION IN AN ACCESSIBLE LOCATION.

MANUAL PULL STATION WITH LEXAN GUARD WITH AN INTEGRAL HORN. MOUNT PULL STATION ON MANUF.'S SURFACE MOUNT RED BACKBOX WHEN SURFACE MTD.

120V MAGNETIC DOOR HOLDER. COORDINATE WITH DOOR CONTRACTOR. DOORS SHALL SHUT UPON ACTIVATION OF THE FIRE ALARM SYSTEM.

ADDRESSABLE MODULE
"I" - INPUT
"O" - OUTPUT

ALL DEVICES SHALL BE UL LISTED FOR USE WITH THE EXISTING NOTIFIER FACP. THE CONTRACTOR SHALL CONNECT TO EXISTING SLG/NAC LOOPS AS REQUIRED AND AS PER MANUFACTURER'S INSTRUCTIONS USING PLENUM RATED CABLE.

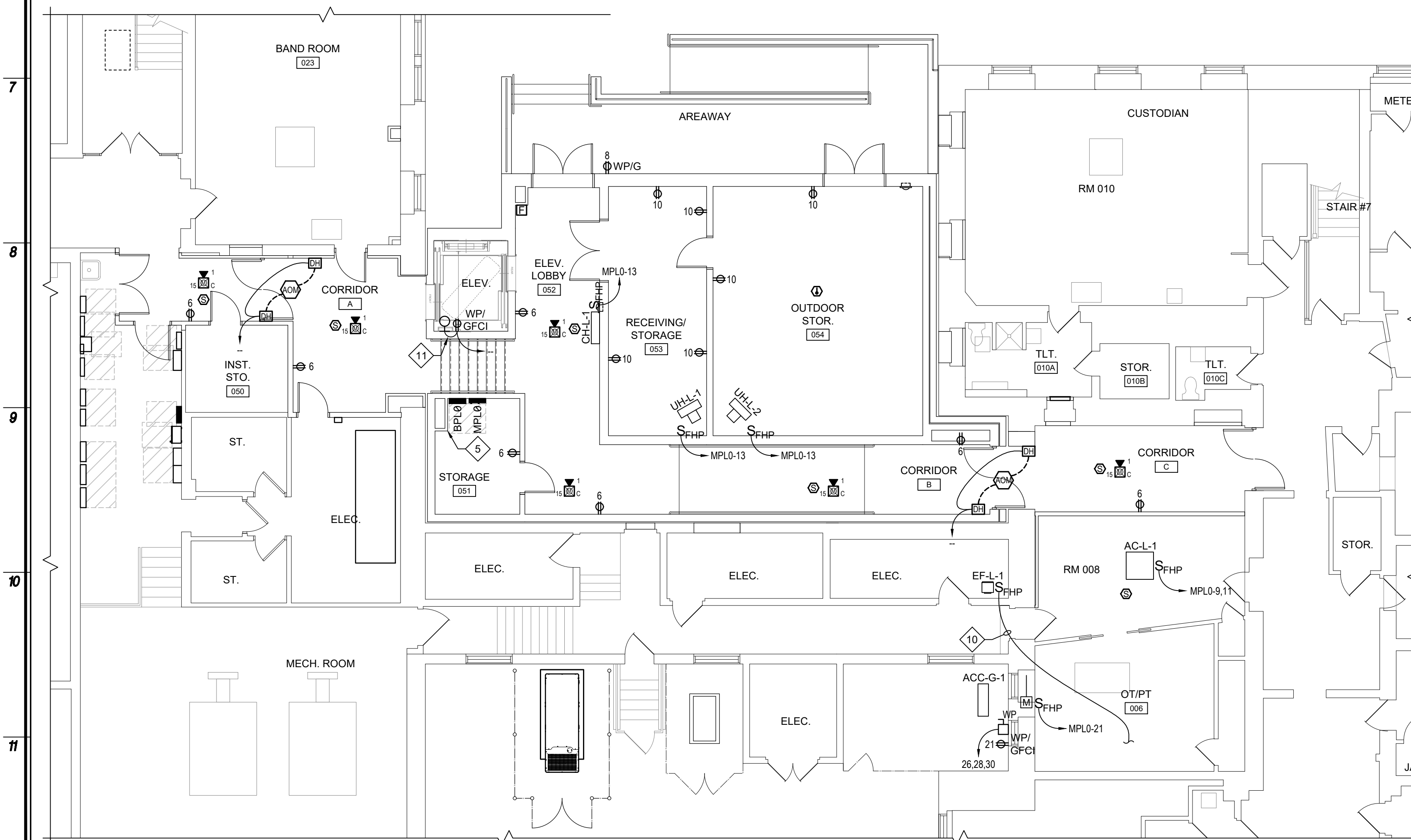
CONTRACTOR SHALL SUPPLY AND INSTALL A SPEAKER CONTROL INTERFACE TO ALLOW FOR SPEAKER MESSAGES WITHIN THE ADDITION.

REFER TO DWG A0.01 FOR AREAS OF WORK AND DEFINED AREAS OF EXISTING AND NEW CONSTRUCTION AREAS.

Proposed Power Plan - First Floor

3/16" = 1'-0"

ALL CIRCUITS IN THIS AREA REFER TO PANEL BPL0 UNLESS NOTED OTHERWISE



Proposed Power Plan - Lower Level

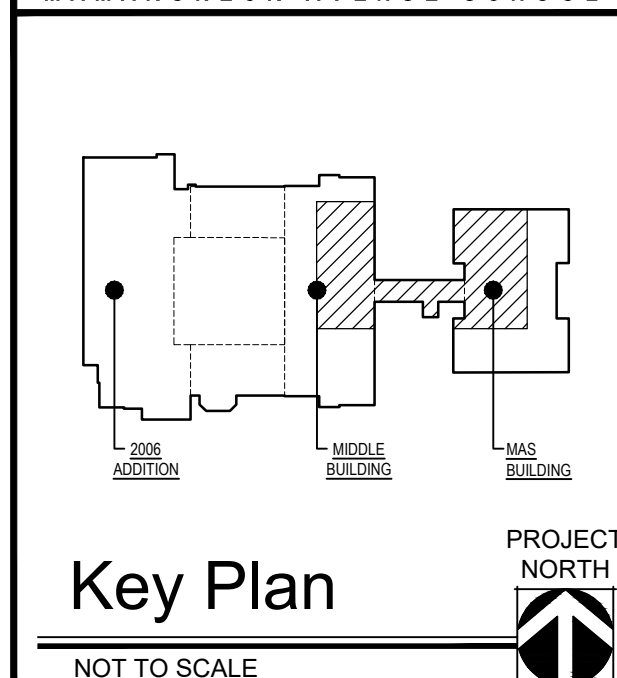
1/8" = 1'-0"

ALL CIRCUITS IN THIS AREA REFER TO PANEL BPL0 UNLESS NOTED OTHERWISE

PANEL SCHEDULE - PANEL MPL0

				OCPD			Conductors				Load	Load per Phase(A)			Voltage
CT#	Load Description	Type	Poles	Rated	Current	Neutral	Ground	Raceway	Voltage	kVA	Phase A	Phase B	Phase C	Drop %	
1/3	AC-3-1 -2 -3	Std	2	20A	(2) 12 ga.	none	(1) 12 ga.	3/4 in. EMT	208	0.67	3.59	3.59		0.94%	
2/4	HRU-3-1	Std	2	20A	(2) 12 ga.	none	(1) 12 ga.	3/4 in. EMT	208	1.52	8.1	8.1		1.66%	
5/7	AC-2-1 -2 -3	Std	2	20A	(2) 12 ga.	none	(1) 12 ga.	3/4 in. EMT	208	0.67	3.59		3.59	0.94%	
6/8	HRU-2-1	Std	2	20A	(2) 12 ga.	none	(1) 12 ga.	3/4 in. EMT	208	1.52	8.1		8.1	1.66%	
9/11	AC-1-1 -2 -3 -4 & L-1	Std	2	20A	(2) 12 ga.	none	(1) 12 ga.	3/4 in. EMT	208	0.77		4.1	4.1	1.02%	
10/12	HRU-1-1	Std	2	20A	(2) 12 ga.	none	(1) 12 ga.	3/4 in. EMT	208	1.52		8.1	8.1	1.66%	
13	CH-1-1-L-1 & UH-L-1-2	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.26	2.4			0.96%	
14	3rd FL. MOTORIZED DAMPERS	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.43	3.97			1.39%	
15	EF-R-1 & ROOFTOP RECEPT	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.22		1.99		0.96%	
16	2nd FL. MOTORIZED DAMPERS	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.43		3.97		1.39%	
17	CH-3-1 -2 -3	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	1			9.3	3.51%	
18	1st FL. MOTORIZED DAMPERS	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.43			3.97	1.39%	
19	CH-2-1 -2 -3	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120		9.3			3.51%	
20/22/24	ACC-R-1	Std	3	70A	(3) 4 ga.	none	(1) 8 ga.	1 in. EMT	208	18.9	58.3	58.3	58.3	1.91%	
21	ACC-G-1 RECEPT & MD	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.22		1.99		0.96%	
23															
25															
26/28/30	ACC-G-1	Std	3	25A	(3) 10 ga.	none	(1) 10 ga.	3/4 in. EMT	208	5.35	16.5	16.5	16.5	1.83%	
27															
29															
31-42															
Total Circuits				26				Connected Loads: 34,910 VA			113.1 A	106.1 A	111.1 A		
Voltage: 120 / 208				Main Connection: breaker											
Circuits: 26 / 42				Load kVA: 35											
Neutral Buss: Yes				OCPD Size: 200A											
Ground Buss: Yes				OCPD Type: Std											
Buss Capacity: 200 A				Location:				3-Phase Connection							
NEMA: Type 1				Remarks: 22kVAC SCCR				Voltage Drop % for 50 Feet is 0.37%							
								Raceway 2 in. dia. EMT							
								Current							
								(3) 3/0 ga. THHN							
								Neutral							
								(1) 3/0 ga. THHN							
								Ground							
								(1) 6 ga. THHN							

MAMARONECK AVENUE SCHOOL



Key Plan

NOT TO SCALE

Date: 1/10/20
Checked: BH
Drawn: MH

MICHAEL J. MCGOVERN, R.A.
REGISTERED ARCHITECT
License No. 022257-1

Revisions:
ISSUE TO BLD
11/23/20

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NYSED PROJECT # 66-07-01-03-0-004-030

PROPOSED POWER PLANS

2019 BOND REFERENDUM

MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4,1092.72.2
File No. 10927202E201
E2.01

Electrical Key Notes

1. RECEPTACLE & DATA PORT MOUNTED AT SMARTBOARD/PROJECTOR HEIGHT. COORDINATE EXACT HEIGHT IN FIELD WITH EQUIPMENT SUPPLIED.
2. COORDINATE EXACT LOCATION OF ELEVATOR CONTROLLER IN FIELD.
3. PROVIDE FEEDER TERMINATING IN THE ELEVATOR CONTROLLER LOCATED AT THE TOP LANDING. FEEDER TO BE TERMINATED AT THE ELEVATOR CONTROLLER AT THE START OF INSTALLATION OF THE TOP LANDING ELEVATOR ENTRANCE AND THE TIMING OF CONNECTION TO CONTROLLER SHALL BE COORDINATED WITH THE ELEVATOR INSTALLER. PROVIDE AN ENCLOSED, FUSED DISCONNECT SWITCH CAPABLE OF BEING LOCKED IN THE OPEN POSITION. FUSES TO BE CURRENT LIMITING CLASS J OR EQUIVALENT. FUSES ARE TO BE TIME DELAY TO COVER THE FULL LOAD UP ACCELERATING CURRENT. ACCELERATING CURRENT TYPICALLY IS A PEAK OF 55A, AND LASTS FOR DURATION NOT TO EXCEED 7 SECONDS.
4. PROVIDE AND INSTALL ONE (1) DEDICATED OUTSIDE TELEPHONE LINE TERMINATED AT THE CONTROLLER. COORDINATE WITH THE ELEVATOR

5. CHASE FOR CONDUIT RISERS. FLOOR PENETRATIONS MUST BE COORDINATED DURING THE SHOP DRAWING PROCESS. THE CONTRACTOR SHALL SUBMIT A CONDUIT ROUTING DIAGRAM FOR APPROVAL.
6. PANEL CONTAINING THE BREAKER FOR THE DEDICATED 120 VOLT, 20A SINGLE-PHASE BRANCH CIRCUIT FOR THE CAR LIGHTS, CAR TOP RECEPTACLE, AUXILIARY LIGHTING POWER SOURCE AND VENTILATION. THE BREAKER SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION. TERMINATION OF THIS BRANCH CIRCUIT SHALL BE IN THE ELEVATOR CONTROLLER LOCATED AT THE TOP LANDING AND SHALL BE CONNECTED AT THE SAME TIME AS THE FEEDER REFERENCED IN KEY NOTE 3.
7. 1" C W/ (3) #6 & (1) #10 GND FOR ELEVATOR MOTOR.
8. COMBINE CIRCUITS 7 & 9 AND 10, 11, 12 IN (2) 3/4" C WITHIN THE RISER CHASE. PROVIDE AND INSTALL A CODE SIZED JB AT EACH FLOOR TO DISTRIBUTE

9. COMBINE CIRCUITS [1/3, 2/4, 14, 17] [5/7, 6/8, 16, 19] AND [9/11, 10/12, 18] IN (3) 3/4" C WITHIN THE RISER CHASE. PROVIDE AND INSTALL A CODE SIZED JB AT EACH FLOOR TO DISTRIBUTE INTO INDIVIDUAL 3/4" C PER CIRCUIT.
10. CONNECT TO CIRCUIT OF EXISTING EXHAUST FAN THAT HAS BEEN REMOVED VIA (2) #12 & (1) #12 GND.
11. RECEPTACLE & LIGHT IN ELEVATOR SHAFT. PROVIDE SWITCH AT ELEVATOR ENTRANCE. FIXTURE SHALL BE LUMINAIRE LED MODEL No. "VPF42 15W 5000K CC 120-277 OP BLK WET TX/SD"

SYMBOL INDICATES PROPOSED KEY NOTE

PANEL SCHEDULE - PANEL BPL0

CT#		Load Description	Type	Poles	Rated	Current	Neutral	Ground	Raceway	Voltage	Load	Load per Phase(A)			Voltage Drop %
1	CR 132 RECEPTACLES A	Std	1	20A	(1) 10 ga.	(1) 10 ga.	(1) 10 ga.	(1) 12 ga.	3/4 in. EMT	120	1.08	9.47			2.10%
2	SGI 130 RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.72	6.32			2.21%
3	CR 132 RECEPTACLES B	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.9		7.89		2.75%
4	COR. 131 RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.36		3.16		1.12%
5	CR 132 RECEPTACLES C	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.9			7.89	2.75%
6	COR. ABC RECEPT	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.9			7.89	2.75%
7	LOWER LEVEL LIGHTING	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	1.15	9.55			3.61%
8	AREAWAY RECEPT	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.18	1.58			0.57%
9	1st FL ADDITION LIGHTING	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	1.1		9.19		3.47%
10	STORAGE 53/54 RECEPT	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	1.08		9.47		3.30%
11-42		Total Circuits		10	Connected Loads:		8,370 VA				26.1 A		29.1 A	15.1 A	

Voltage: 120 / 208
Circuits: 10 / 42
Neutral Buss: Yes
Ground Buss: Yes
Buss Capacity: 200 A
NEMA: Type 1

Main Connection: breaker
Load kVA: 9
OCPD Size: 100A
OCPD Type: Std
Location:
Remarks: 22 kAIC SCCR

3-Phase Connection		
Voltage Drop % for 20 Feet is 0.10%	Current	Neutral
Raceway: 1-1/4 in. dia. EMT	(3) 3 ga. THHN	(1) 8 ga. THHN

PANEL SCHEDULE - PANEL BPL3

CT#		Load Description	Type	Poles	Rated	Current	Neutral	Ground	Raceway	Voltage	Load	Load per Phase(A)			Voltage Drop %
1	CR 352 RECEPTACLES A	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	1.26	11.05			1.55%
2	SGI 314 RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.72	6.32			1.01%
3	CR 352 RECEPTACLES B	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	1.08		9.47		1.37%
4	SGI 315 RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.54		4.74		0.83%
5	COR. G & H RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.9			7.89	1.19%
6	350/351 RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.36			3.16	0.64%
7	CR 252 RECEPTACLES A	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	1.26	11.05			1.55%
8	SGI 214 RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.72	6.32			1.01%
9	CR 252 RECEPTACLES B	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	1.08			9.47	1.37%
10	SGI 215 RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.54		4.74		0.83%
11	COR. D & E RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.9			7.89	1.19%
12	250/251 RECEPTACLES	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	0.36			3.16	0.64%
13	3rd FL ADDITION LIGHTING	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4 in. EMT	120	1.18	9.82			1.51%
14-34	ELEV. 120V LOADS	Std	1	20A	(1) 10 ga.	(1) 10 ga.	(1) 10 ga.	(1) 10 ga.	3/4 in. EMT	120	1.37			12	1.16%
37/39/41	ELEVATOR	Std	3	90A	(3) 4 ga.	none	(1) 6 ga.	1 in. EMT	208	17.83	55	55	55		0.84%
38/40/42	SURGE PROTECTION DEVICE ("SPD")	Std	3	30A	(3) 10 ga.	none	(1) 10 ga.	3/4 in. EMT	208	0					
Total Circuits		17	Connected Loads:		31,280 VA						99.1 A		83 A	89 A	

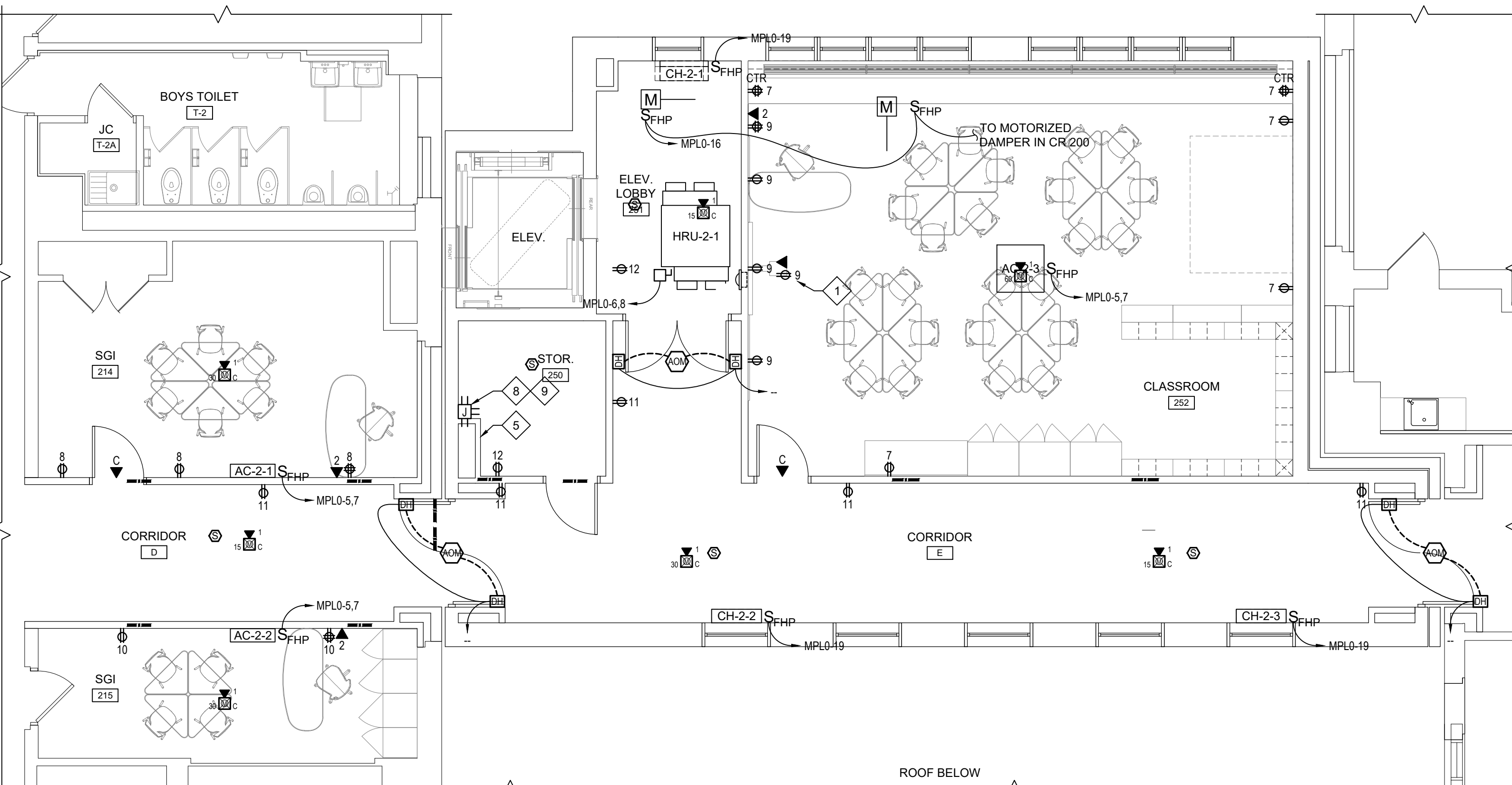
Voltage: 120 / 208
Circuits: 21 / 42
Neutral Buss: No
Ground Buss: Yes
Buss Capacity: 200 A
NEMA: Type 1

Main Connection: breaker
Load kVA: 31
OCPD Size: 200A
OCPD Type: Std
Location:
Remarks: 22kAIC SCCR

3-Phase Connection		
Voltage Drop % for 50 Feet is 0.36%	Current	Neutral
Raceway: 2 in. dia. EMT	(3) 3/0 ga. THHN	(3) 3/0 ga. THHN

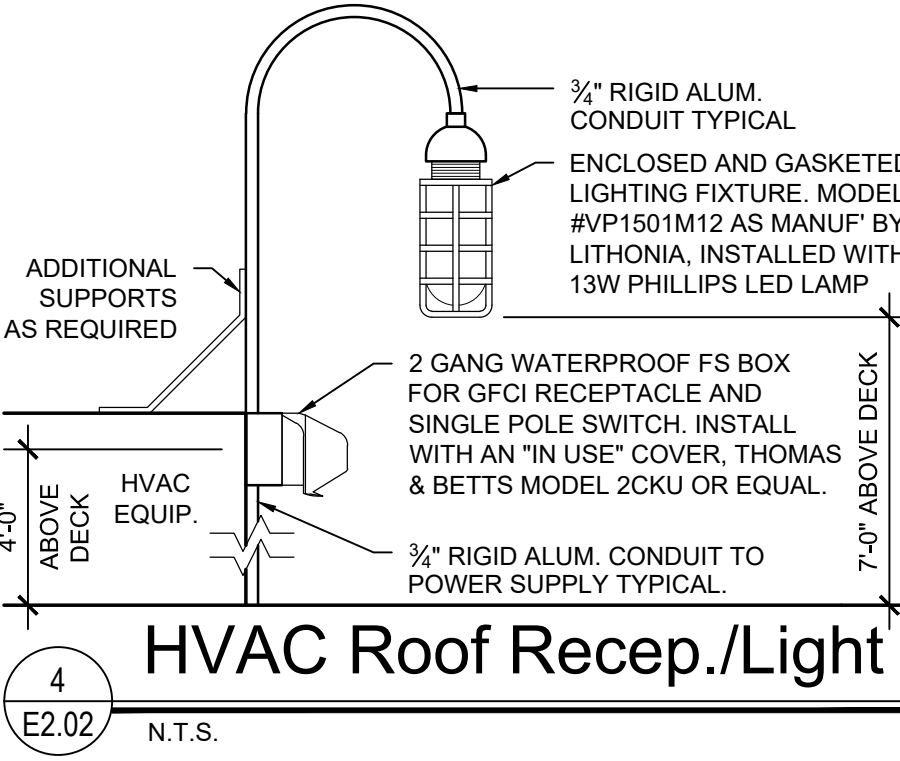
Proposed Power Plan - Third Floor

ALL CIRCUITS IN THIS AREA REFER TO PANEL BPL3 UNLESS NOTED OTHERWISE

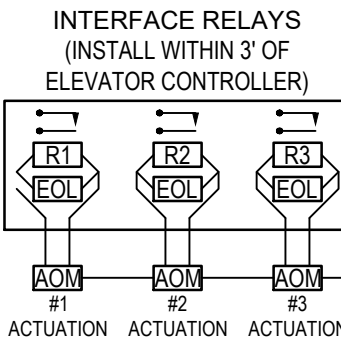


Proposed Power Plan - Second Floor

ALL CIRCUITS IN THIS AREA REFER TO PANEL BPL3 UNLESS NOTED OTHERWISE



- Component Function
- R1 Signal to elevator controller for recall to designated level.
- R2 Signal to elevator controller for recall to alternate level.
- R3 Signal to elevator controller for firefighter notification.
- Component Function
- AOM #1 Control Module for operating R1.
- AOM #2 Control Module for operating R2.
- AOM #3 Control Module for operating R3.
- EOL End of line resistor.



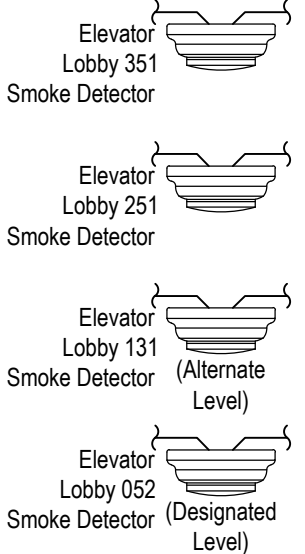
Fire Alarm/Elevator Interface

NOTE: THE FIRE ALARM CONTRACTOR SHALL COORDINATE WITH ELEVATOR INSTALLER FOR FINAL CONNECTIONS AS PART OF THE BASE BID.

Fire Alarm Interface Summary:

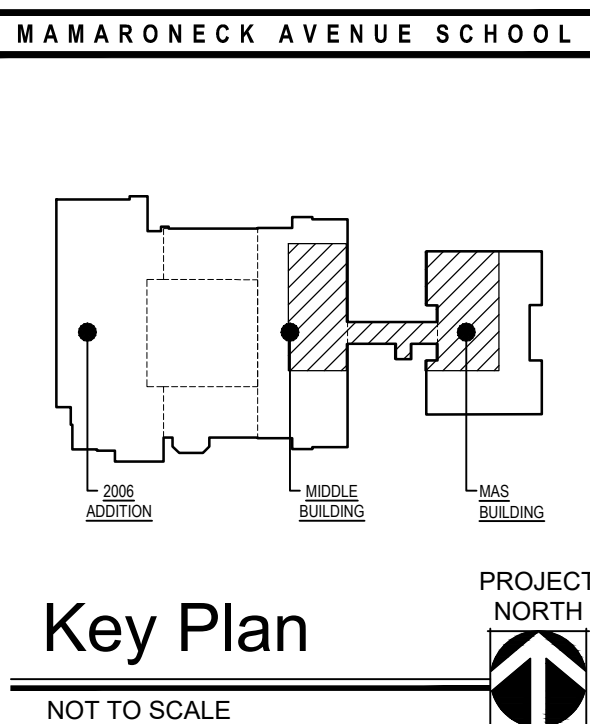
There will be three supervised control circuits from the fire alarm system that will interface with the elevator system. They are as follows:

- Input to elevator controller for Phase I recall to the designated level from actuation of smoke detectors other than at the designated level lobby.
- Input to elevator controller for Phase I recall to the alternate level from actuation of a smoke detector at the designated level lobby or Elevator Machine Room.
- Input to elevator controller to flash the firefighter helmet signal when recall is initiated by a smoke detector in the elevator machine room or hoistway.



Proposed Power Plan - Roof

ALL CIRCUITS IN THIS AREA REFER TO PANEL MPL0

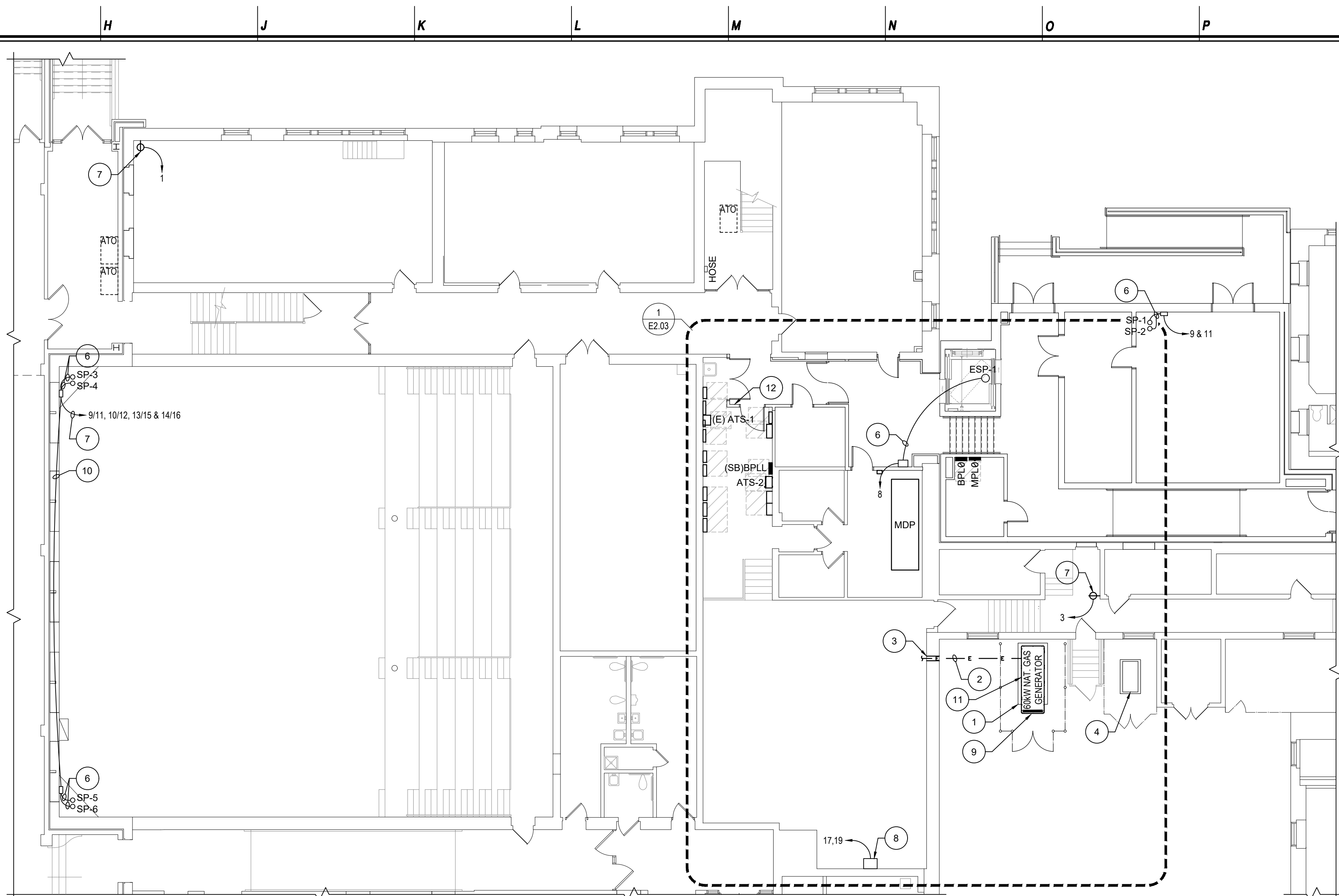


DATE: 1/10/20
CHECKED: BH
DRAWN: MH
MICHAEL J. MCGOVERN, R.A.
REGISTERED ARCHITECT
LICENSE NO. 022237-1

Revisions:
ISSUE TO BID
1/23/20

LAN ASSOCIATES
engineering • planning • architecture • surveying
252 MAIN STREET, GOSHEN, NEW YORK 10924 (845) 815-0350

PROPOSED POWER PLANS
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK UNION FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543
Job No. 4.1092.72.2
File No. 10927202E201
E2.02



ALL CIRCUITS IN THIS AREA REFER TO PANEL BP11 UNLESS NOTED OTHERWISE

 SYMBOL INDICATES
KEY NOTE

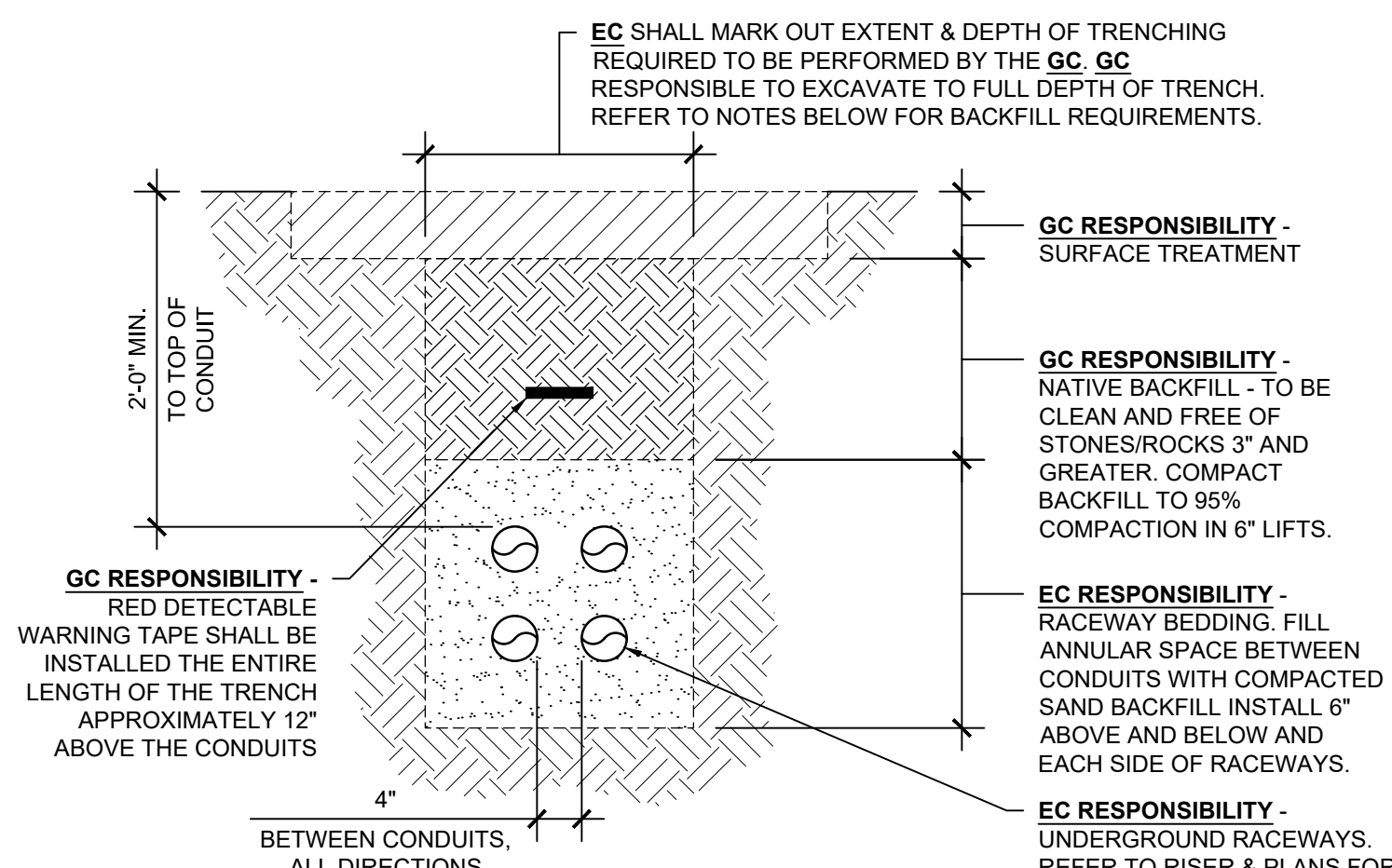
- | | | | | | | | |
|----|--|----|---|----|--|-----|---|
| 1. | CONCRETE PAD BY GC EC TO COORDINATE CONDUIT ENTRY POINTS. | 4. | EXISTING GENERATOR TO BE DISCONNECTED AND TO REMAIN IN PLACE. | 7. | MANUFACTURER'S REQUIREMENTS FOR ADDITIONAL REQUIREMENTS. 1" CW (#12) & (#1) #12 GND FOR PUMPS SP-3, 4, 5, & 6. CURRENT CARRYING CAPACITIES HAVE BEEN DERATED AS PER NEC TABLE 310.15(B)(3)(a). | 10. | MOUNTED TO TOP OF GENERATOR. 3/2" CW (#4) #12 & (#1) #12 GND FOR PUMPS SP-5, & 6. CURRENT CARRYING CONDUCTORS HAVE BEEN DERATED AS PER NEC TABLE 310.15(B)(3)(a). |
| 2. | UNDERGROUND RACEWAY(S). REFER TO DETAILS 2.4, & 32.03 FOR ADDITIONAL REQUIREMENTS. TRENCHING AND SURFACE RESTORATION BY GC . CONDUITS/ RACEWAY BY EC . | 5. | EXISTING ATS SWITCH FOR PUMP TO BE RECONNECTED BY CONTRACTOR TO REFEED WITH NEW GENERATOR. CONNECT CONTROL WIRES TO NEW GENERATOR AS REQUIRED TO PROVIDE A START SIGNAL AT LOSS OF POWER. | 6. | REFEED EXISTING SEWAGE EJECTOR PUMP CONTROLLER. CONFORM TO POWER REQUIREMENTS IN FIELD. | 11. | GENERATOR. REFER TO DWG E6.01 FOR ADDITIONAL INFORMATION. |
| 3. | CONDUIT ENTRY POINT. REFER TO DETAIL 4E.03 FOR ADDITIONAL INFORMATION. | 8. | (2) #12 & (#1) #12 GND TO EACH PUMP. REFER TO PLUMBING DRAWINGS AND | 9. | RADIATOR AIRFLOW COOLED. VERTICAL FLOW, 50KW LOAD BANK | 12. | INSTALL GENERATOR ANNUNCIATOR IN THE SAME LOCATION WITH OWNERS' AUTHORIZED REP. IN FIELD. |

ALL CIRCUITS IN THIS AREA REFER TO PANEL BPLL UNLESS NOTED OTHERWISE

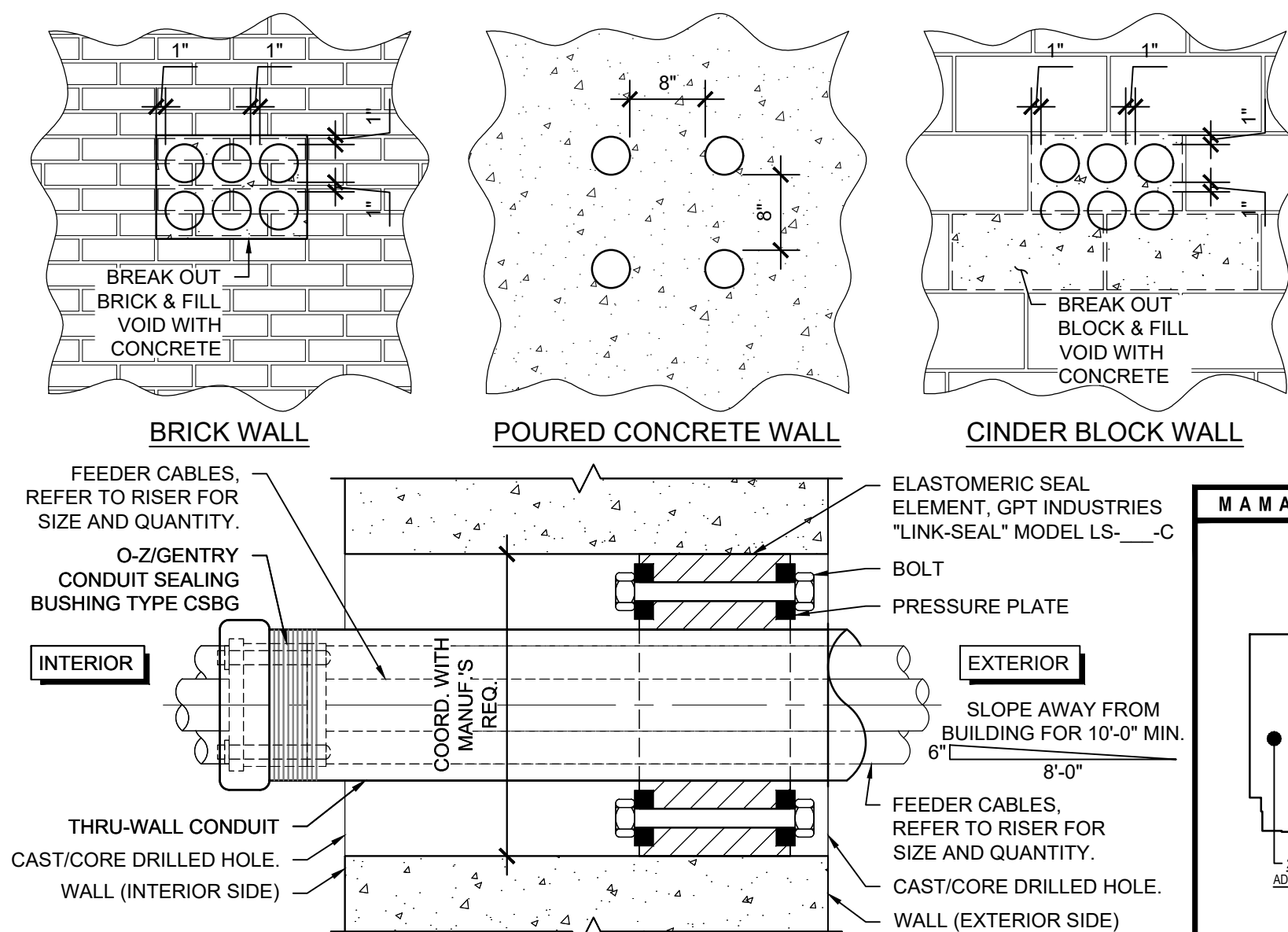
FED FROM MDP & GENERATOR VIA ATS-2 | 208/120V

3-Phase Connection			
Voltage Drop % for 30 Feet is 0.08%	Current	Neutral	Ground
Raceway 2 in. dia. EMT	(3) 3/0 ga. THHN	(1) 3/0 ga. THHN	(1) 6 ga. THHN

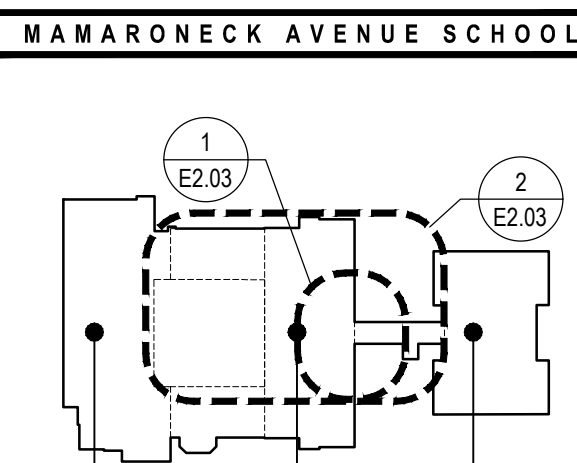
Main Connection: breaker
Load kVA: 12
OCPD Size: 200A
OCPD Type: Std
Location:
Remarks:



N.T.S.



N.T.S



NOT TO SCALE



P:\100-LAN LLP\1000-1099\1092-72\2022E401.dwg, E402, 11/30/2020 11:42:59 AM, I:\team

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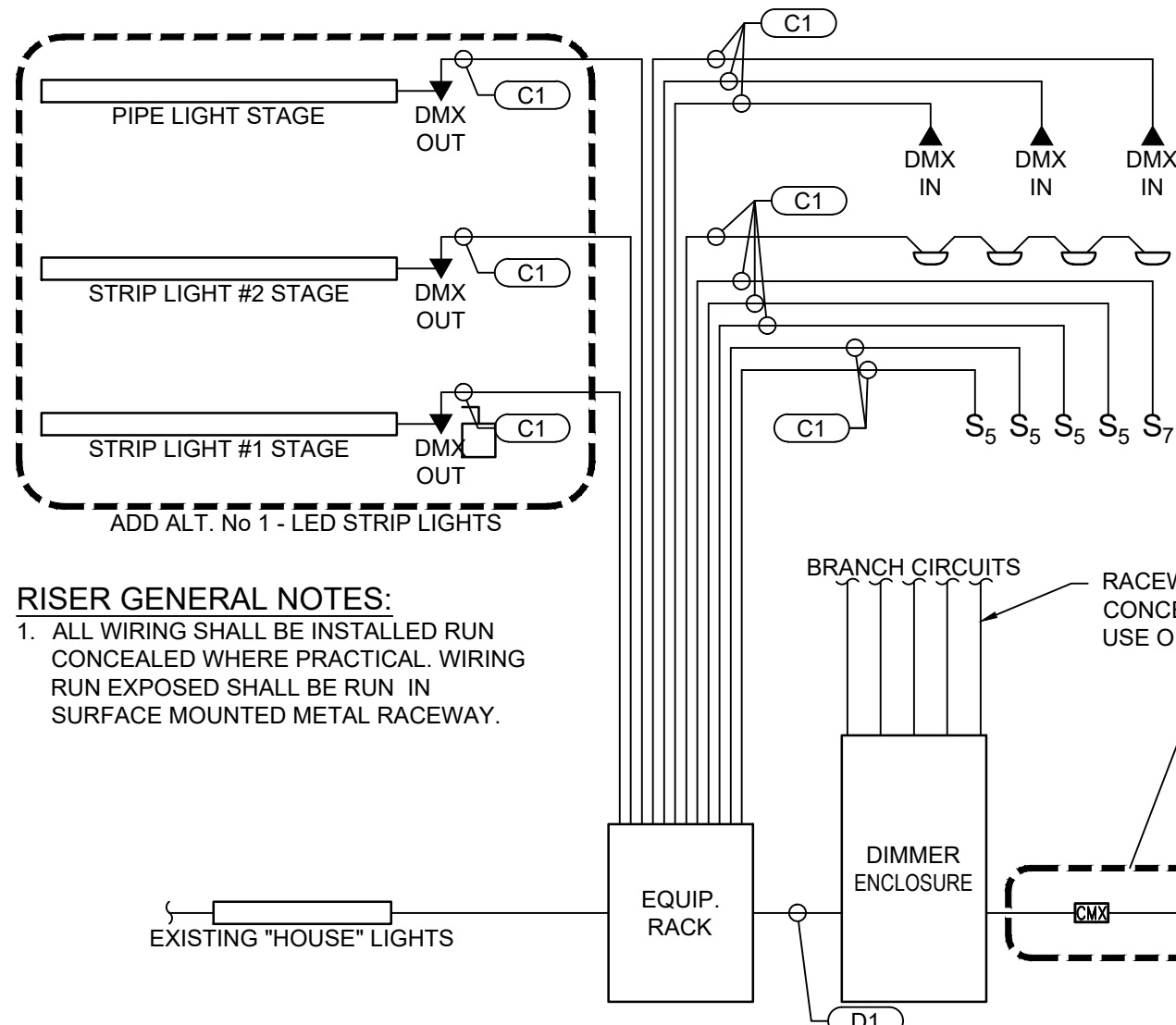
9

10

11

1

N.T.S.



RISER GENERAL NOTES:
1. ALL WIRING SHALL BE INSTALLED RUN CONCEALED WHERE PRACTICAL. WIRING RUN EXPOSED SHALL BE RUN IN SURFACE MOUNTED METAL RACEWAY.

RISER SYMBOL LEGEND

- FIRE ALARM CONTROL MODULE
- UNISON PARADIGM OCCUPANCY/VACANCY SENSOR
- DMX-IN
- DMX-OUT
- UNISON HERITAGE 5 BUTTON STATION W/ BACKBOX
- UNISON HERITAGE 7 BUTTON STATION W/ BACKBOX
- B1 -
- C1 BELDEN 8471 & (1) #14 GND CONDUCTOR
- D1 BELDEN 9729

RACEWAYS & CONDUCTORS TO BE CONCEALED TO FULLEST EXTENT PRACTICAL. USE OF EMT PERMITTED. (TYPICAL)

N.I.C. OWNER TO CONTRACT WITH F.A. VENDOR TO PROVIDE, INSTALL, AND PROGRAM A NEW CONTROL MODULE TO TURN ON HOUSE LIGHTS UPON FIRE ALARM INITIATION. CONTROL MODULE TO BE LOCATED AT DIMMER ENCLOSURE.

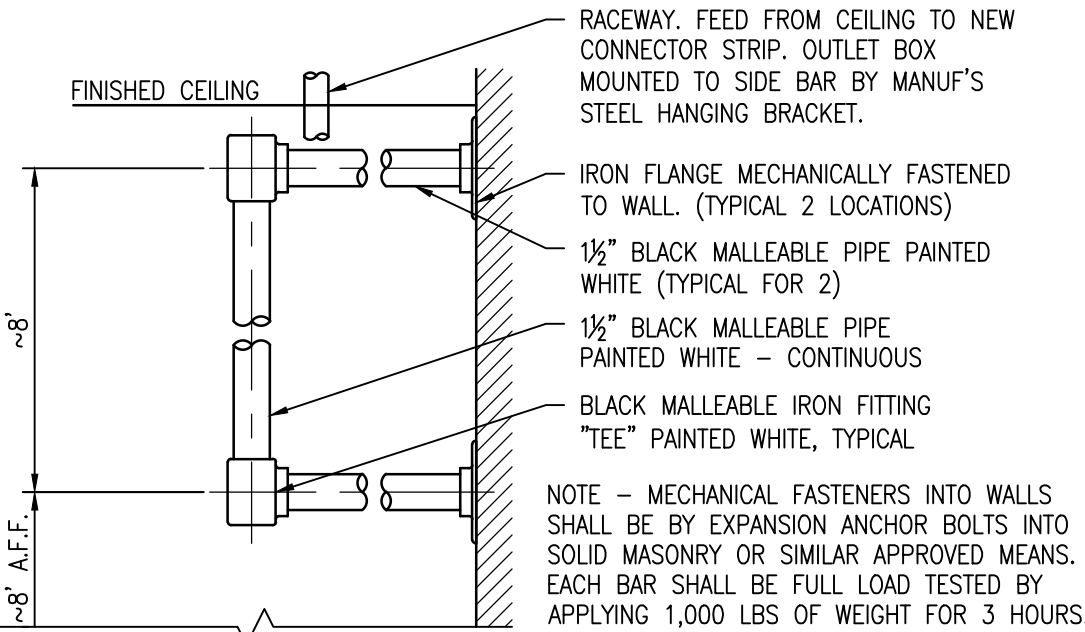
TO CLOSEST AVAILABLE FIRE ALARM SLC LOOP

ADD ALTERNATE
MAS MULTI-PURPOSE LIGHTING
REFER TO BID FORM AND
SPECIFICATION SECTION 012300
FOR ADDITIONAL INFORMATION.

Monday, Nov. 02, 2015															PP1 - Panel Schedule																				
CT#	Load Description	Type	OCPD			Conductors			Raceway	Voltage	Load kVA	Load per Phase(A)			Voltage Drop %																				
			Poles	Rated	Current	Neutral	Ground	Phase A				Phase B	Phase C																						
1/3/5	Stage Dimming Panel	Std	3	200A	(3) 3/0 ga.	(1) 3/0 ga.	(1) 6 ga.	2 in. EMT	208	36.03	100.00	100.00	100.00	1.22%																					
2/4/6	DP1	Std	3	80A	(3) 4 ga.	(1) 4 ga.	(1) 8 ga.	1-1/4 in. EMT	208	25.22	70.00	70.00	70.00	1.40%																					
7	Equipment Panel	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	1/2 in. EMT	120	0.24	2.00			1.15%																					
8	Stage Receptacle	Std	1	20A	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	1/2 in. EMT	120	0.18	1.50			1.12%																					
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10																																			
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30																																			
Total Circuits			8						Connected Loads: 61,670 VA			173.1 A			170 A	170 A																			
Voltage: 120 / 208															<div>3-Phase Connection</div> <table><tr><td>Current</td><td>Neutral</td><td>Ground</td></tr><tr><td>(3) 3/0 ga. THHN</td><td>(1) 3/0 ga. THHN</td><td>(1) 6 ga. THHN</td></tr></table>															Current	Neutral	Ground	(3) 3/0 ga. THHN	(1) 3/0 ga. THHN	(1) 6 ga. THHN
Current	Neutral	Ground																																	
(3) 3/0 ga. THHN	(1) 3/0 ga. THHN	(1) 6 ga. THHN																																	
Main Connection: Main Lug																																			
Load kVA: 62																																			
OCPD Size: 200A																																			
OCPD Type: Main Lug																																			
Ground Buss: Yes																																			
Location: Stage																																			
Remarks: SCCR - 22KAIC																																			
Buss Capacity: 200 A																																			
NEMA: Type 1																																			

2

N.T.S.



Dimming and Dist. Schedule

ID	Description	Location	Wiring	Route
DM-1	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	Exist. Conduit
DM-2	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	Exist. Conduit
DM-3	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	Exist. Conduit
DM-4	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-5	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-6	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-7	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-8	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-9	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-10	Exist. Strip Light #1	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-11	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	Exist. Conduit
DM-12	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	Exist. Conduit
DM-13	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	Exist. Conduit
DM-14	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	Exist. Conduit
DM-15	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-16	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-17	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-18	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-19	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-20	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-21	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-22	Exist. Strip Light #2	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-23	Exist. Stage Pipe	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-24	Exist. Stage Pipe	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-25	Exist. Stage Pipe	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-26	Exist. Stage Pipe	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-27	Exist. Stage Pipe	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-28	Exist. Stage Pipe	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-29	Exist. Stage Pipe	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-30	Exist. Stage Pipe	Stage	(2) #12 & (1) #12 Gnd	New Conduit
DM-31	Front of House Pipe	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-32	Front of House Pipe	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-33	Front of House Pipe	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-34	Front of House Pipe	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-35	Front of House Pipe	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-36	Front of House Pipe	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-37	Front of House Pipe	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-38	Front of House Pipe	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-39	Box Boom Stage L.	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-40	Box Boom Stage L.	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-41	Box Boom Stage L.	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-42	Box Boom Stage R.	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-43	Box Boom Stage R.	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-44	Box Boom Stage R.	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-45	Box Boom Stage R.	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-46	Box Boom Stage R.	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-47	House Lights #1	Multipurp. Rm.	(2) #12 & (1) #12 Gnd	New Conduit
DM-48				

Notes:
1. All wiring shall be new unless noted otherwise.
2. New branch circuits. Each circuit shall be served by each dedicated phase and neutral conductor. Shared neutrals shall not be permitted. Use THHN copper conductors for all new branch circuits and extensions of branch circuits.
3. Multi-branch circuits installed in the same raceway shall be adjusted per NEC Table 310.15(B)(2)(a) - Adjustment factors for more than three current carrying conductors in a raceway or cable.

Date: 1/10/20
Checked: BH
Drawn: MH
MICHAEL J. MCGOVERN, R.A.
The REGISTERED ARCHITECT
License No. 022257-1

Revisions:
11/23/20
ISSUE TO BID

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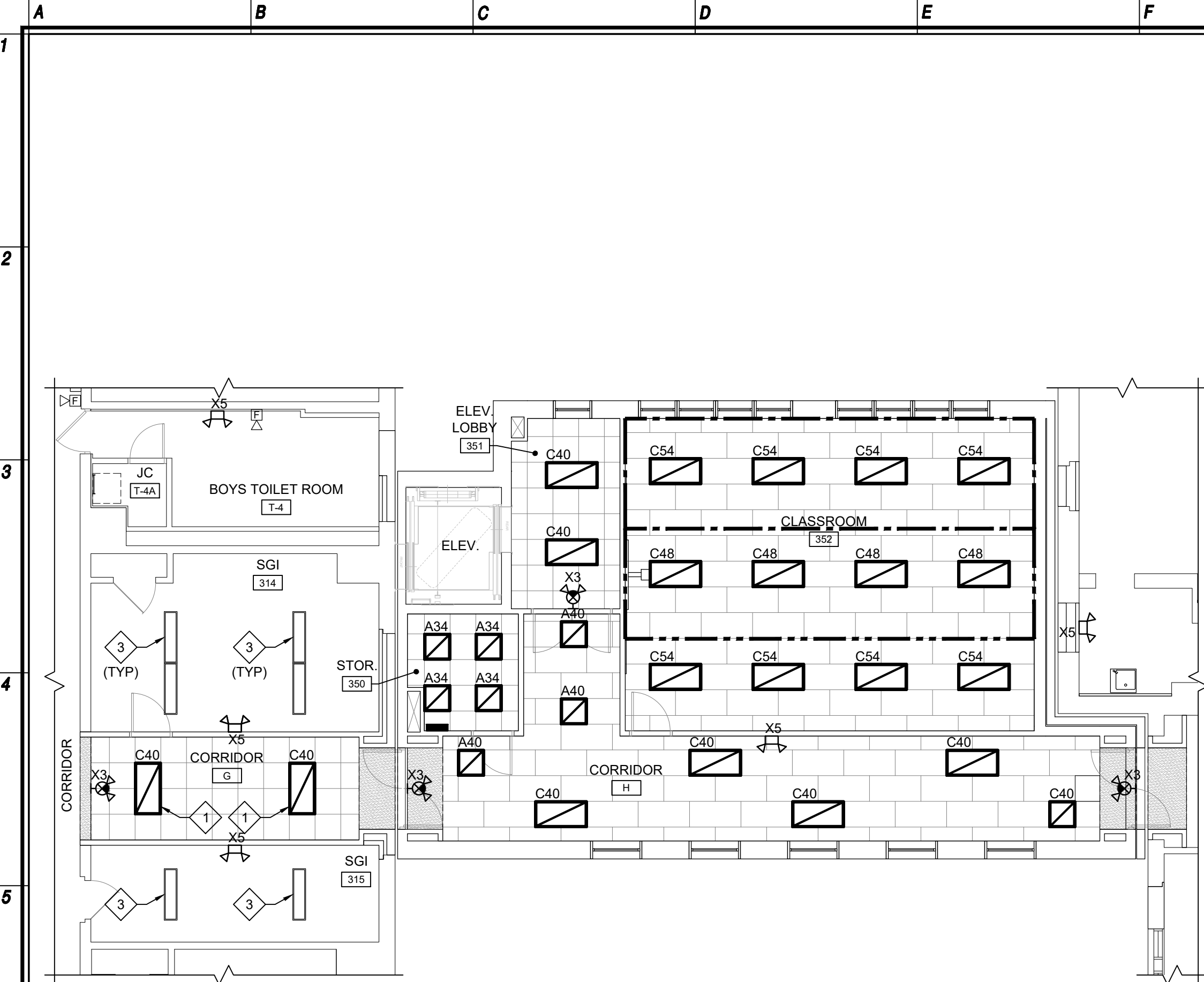
LAN ASSOCIATES
engineering • planning • architecture • surveying
252 MAIN STREET, GOSHEN, NEW YORK 10924 (845) 815-0350

NYSED PROJECT # 66-07-01-03-0-004-030

STAGE LIGHTING DETAILS
2019 BOND REFERENDUM
MAMARONECK AVENUE ELEMENTARY SCHOOL
MAMARONECK JUNIOR FREE SCHOOL DISTRICT
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

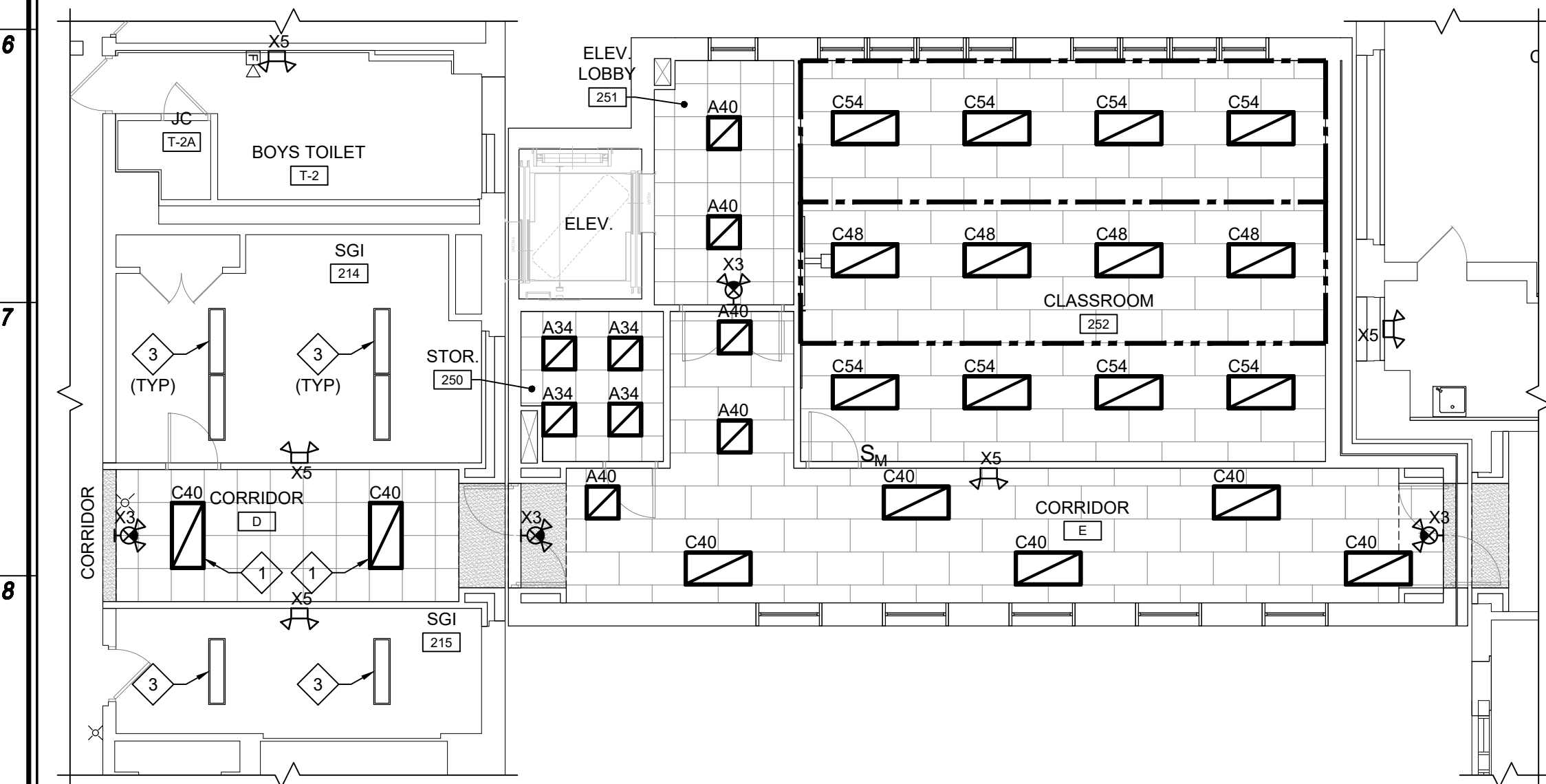
Job No. 4,1092.72.2
File No. 10927202E401

E4.02



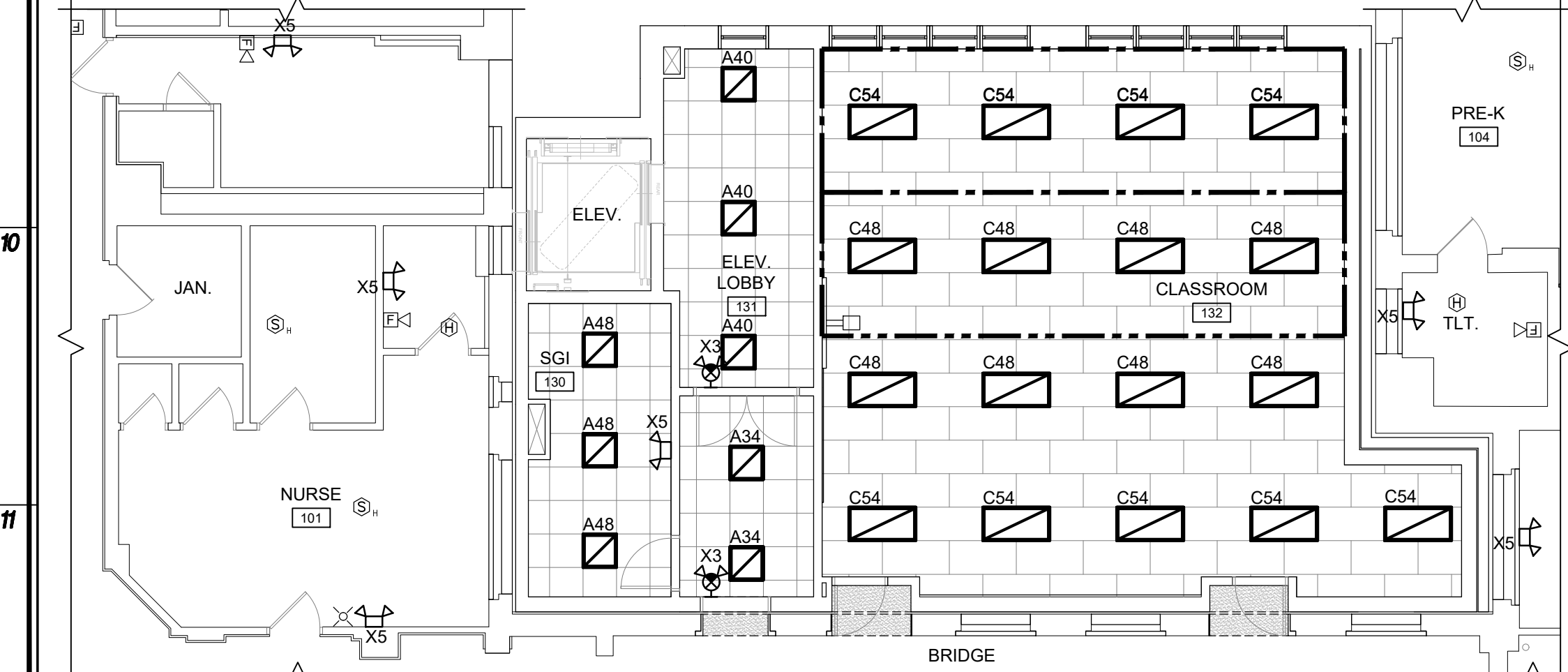
Proposed Lighting Plan - Third Floor

E5.01 1/8" = 1'-0" ALL LIGHTING IN THIS AREA SHALL BE ON CIRCUIT BPL3-14



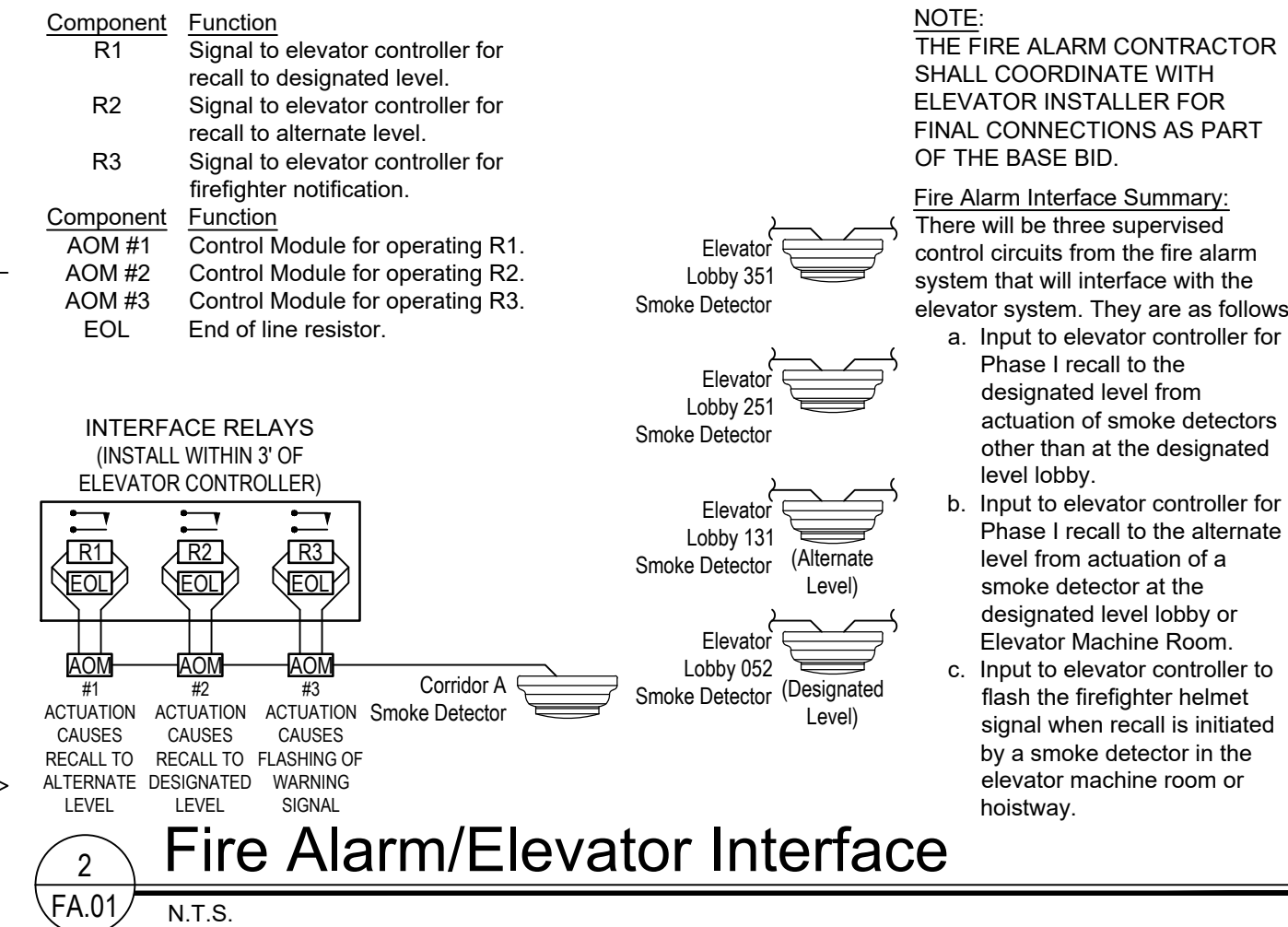
Proposed Lighting Plan - Second Floor

E5.01 1/8" = 1'-0" ALL LIGHTING IN THIS AREA SHALL BE ON CIRCUIT BPL3-13



Proposed Lighting Plan - First Floor

E5.01 1/8" = 1'-0" ALL LIGHTING IN THIS AREA SHALL BE ON CIRCUIT BPL0-9

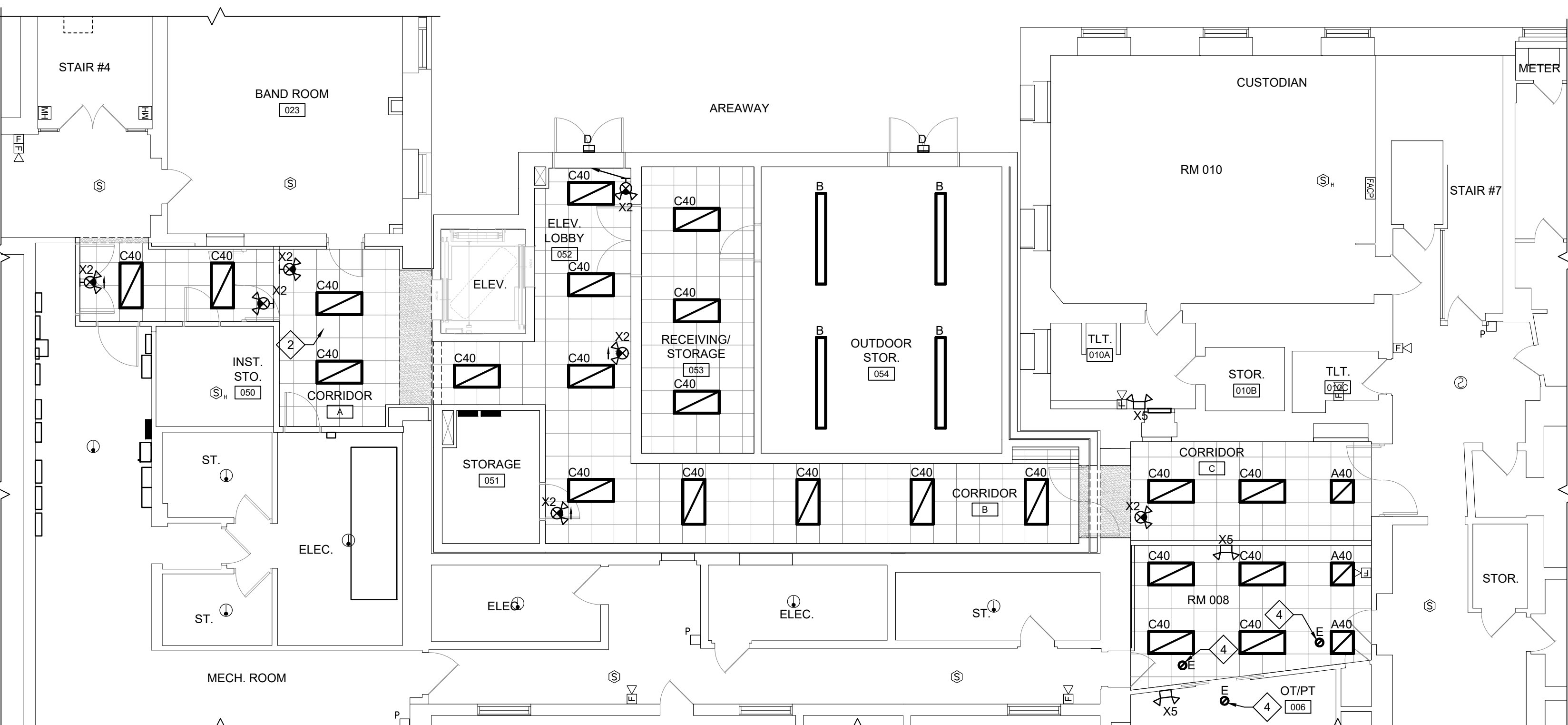


Fire Alarm/Elevator Interface

2 FA.01 N.T.S.

Light Fixture Schedule										
SYMBOL	F.P.	MANUF.	MODEL	FIXTURE INFORMATION				LED INFORMATION		
				DESCRIPTION	VOLT	WATT	MOUNTING	HEIGHT	LUMENS	LPW/CLR
[Symbol]	A34	LITHONIA	EPANL 2X2 3400LM 80CRI 35K MIN10 ZT MVOLT R56	"EPANEL" LED FLAT PANEL 2x2 - 3400 NOMINAL LUMENS	UNV.	32	CLG. RECESSED	N/A	3225	101 80CRI 35K
[Symbol]	A40	LITHONIA	EPANL 2X2 4000LM 80CRI 35K MIN10 ZT MVOLT R56	"EPANEL" LED FLAT PANEL 2x2 - 4000 NOMINAL LUMENS	UNV.	32	CLG. RECESSED	N/A	4025	126 80CRI 35K
[Symbol]	A48	LITHONIA	EPANL 2X2 4000LM 80CRI 35K MIN10 ZT MVOLT R56	"EPANEL" LED FLAT PANEL 2x2 - 4800 NOMINAL LUMENS	UNV.	36	CLG. RECESSED	N/A	4446	124 80CRI 35K
[Symbol]	B	LITHONIA	FZL1M L96 SMR 6000LMULENS MVOLT 35K 80CRI L802U WH S02 XLR L96 SYM WH R56	"ZL1M" LED STRIPLIGHT 8' LONG - 6000 NOMINAL LUMENS	UNV.	48	CLG. SURFACE	N/A	7261	151 80CRI 35K
[Symbol]	C40	LITHONIA	EPANL 2X4 4000LM 80CRI 35K MIN10 ZT MVOLT R56	"EPANEL" LED FLAT PANEL 2x4 - 4000 NOMINAL LUMENS	UNV.	39	CLG. RECESSED	N/A	3914	100 80CRI 35K
[Symbol]	C48	LITHONIA	EPANL 2X4 4000LM 80CRI 35K MIN10 ZT MVOLT R56	"EPANEL" LED FLAT PANEL 2x4 - 4800 NOMINAL LUMENS	UNV.	47	CLG. RECESSED	N/A	4771	102 80CRI 35K
[Symbol]	C54	LITHONIA	EPANL 2X4 5400LM 80CRI 35K MIN10 ZT MVOLT R56	"EPANEL" LED FLAT PANEL 2x4 - 5400 NOMINAL LUMENS	UNV.	51	CLG. RECESSED	N/A	5143	101 80CRI 35K
[Symbol]	D	LITHONIA	WDGE2 LED P3 40K 80CRI VF MVOLT SRM E20WC PE COLOR R56	"WDGE2" LED ARCH. WALL SCONCE 3000 NOMINAL LUMENS W/ EMERG. BATTERY	UNV.	23	WALL SURFACE	REFER TO ELEVATION	3132	136 80CRI 40K
[Symbol]	E	GOETHAM	EVO6 35/02 AR WD LSS MVOLT GZ10	"EVO6" ROUND DOWNLIGHT - 250 NOMINAL LUMENS	UNV.	3	CLG. RECESSED	N/A	297	87 80CRI 40K
[Symbol]	X1	LITHONIA	EDG1 R EL R56	SURFACE MOUNT LED EDGE-LIT EXIT SIGN - SINGLE FACE - UNIVERSAL MOUNT	120	3	CLG./WALL SURFACE	REFER TO DETAIL	N/A	1.2
[Symbol]	X2	LITHONIA	LHQMLD R HO R56	HIGH OUTPUT UNIVERSAL (TOP/END/BACK) MOUNT COMBO EXIT SIGN & EMERG. LIGHT	120	3	CLG./WALL SURFACE	REFER TO DETAIL	N/A	2
[Symbol]	X3	LITHONIA	LHQMLD R R56	UNIVERSAL (TOP/END/BACK) MOUNT COMBO EXIT SIGN & EMERGENCY LIGHT	120	1	WALL SURFACE	REFER TO DETAIL	N/A	2.4
[Symbol]	X4	LITHONIA	ELAT QWP L0309 R56	REMOTE, DUAL HEAD EMERGENCY LIGHT FOR USE WITH FIXTURE X2	UNV.	N/A	WALL SURFACE	REFER TO DETAIL	N/A	2.3
[Symbol]	X5	LITHONIA	ELM4L R56	DUAL HEAD EMERGENCY LIGHT	UNV.	1	WALL SURFACE	REFER TO DETAIL	N/A	2

Key Notes
1. PROVIDE RMR OPTION WHEN INSTALLED WALL MOUNTED
2. CONNECT BATTERY TO LINE SIDE OF AREA LIGHTING SWITCH/POWER PACK.
3. CONNECT TO INTERIOR EXIT SIGN BATTERY AS PER MANUF.'S INSTRUCTIONS.



Proposed Lighting Plan - Lower Level

E5.01 1/8" = 1'-0"

ALL LIGHTING IN THIS AREA SHALL BE ON CIRCUIT BPL0-7

Lighting Key Notes

SYMBOL INDICATES LIGHTING KEY NOTE

- CONNECT FIXTURE(S) TO EXISTING CORRIDOR POWER & SWITCHING ARRANGEMENTS.
- REPLACE EXISTING HEAT DETECTOR AND MOUNT AT NEW CEILING.
- EXISTING SURFACE MOUNTED LIGHT FIXTURE. CONTRACTOR RESPONSIBLE TO REMOVE FIXTURES TO ACCOMMODATE THE CONSTRUCTION OF THE NEW CORRIDOR. RECIRCUIT THE REMAINING FIXTURES AS REQUIRED.
- CONNECT FIXTURE TO LINE SIDE OF AREA LIGHTING TO MAINTAIN A MIN. OF 1 FC ALONG THE PATH OF EGRESS AT ALL TIMES.

MICHAEL J. MCGOVERN, R.A.

Revisions:
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PROPOSED LIGHTING PLANS
2019 BOND REFERENDUM

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MAMARONECK JUNIOR FREE SCHOOL DISTRICT
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Job No. 4.1092.72.2
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E5.01

