MILLBROOK CENTRAL SCHOOL DISTRICT

DISTRICT ADMINISTRATION OFFICES

43 Alden Pl, Millbrook, NY 12545

BOND PHASE 1A

AT

MILLBROOK MIDDLE SCHOOL

SED No.: 13-22-01-04-0-008-016

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A9.00	FINISH SCHEDULE
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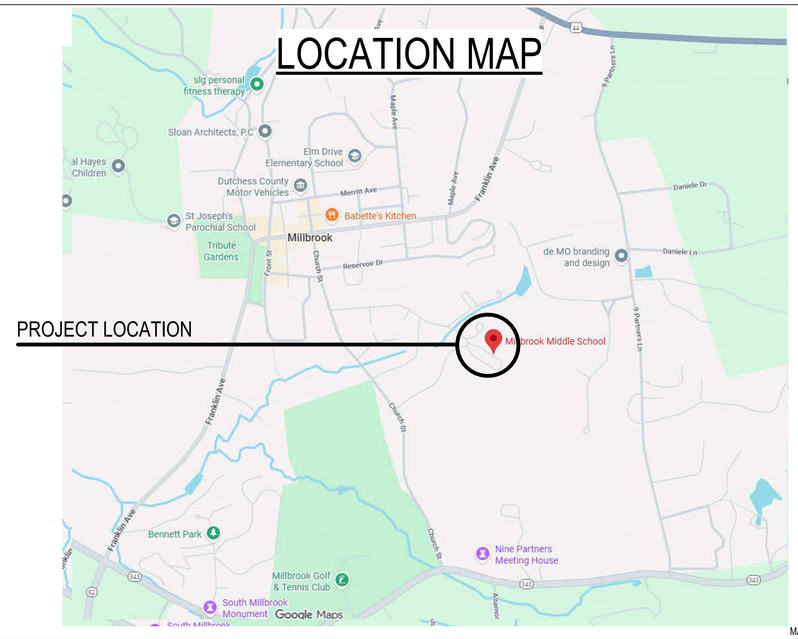
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LOCATION MAP



MAP DATA © GOOGLE

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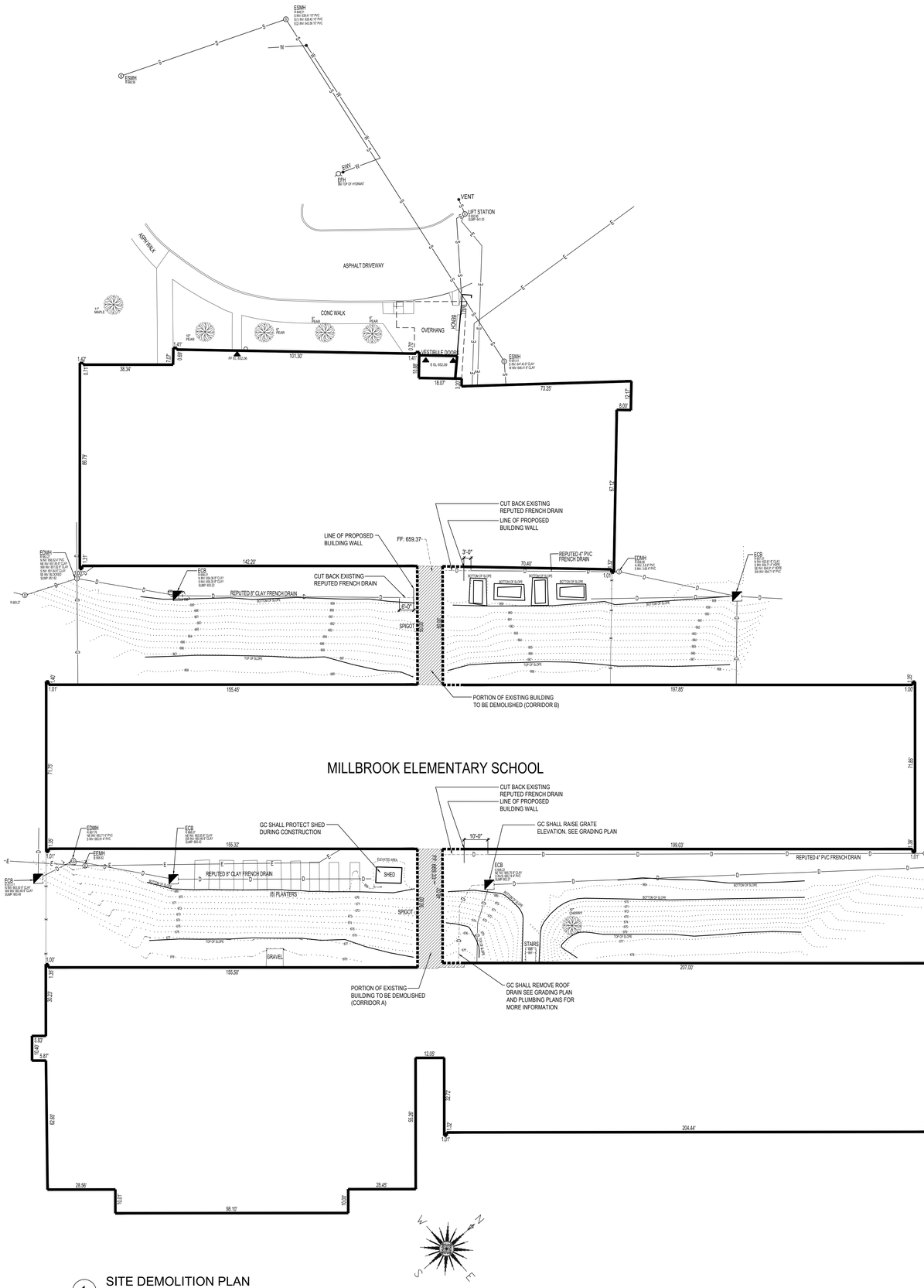
ARCHITECTS CERTIFICATION

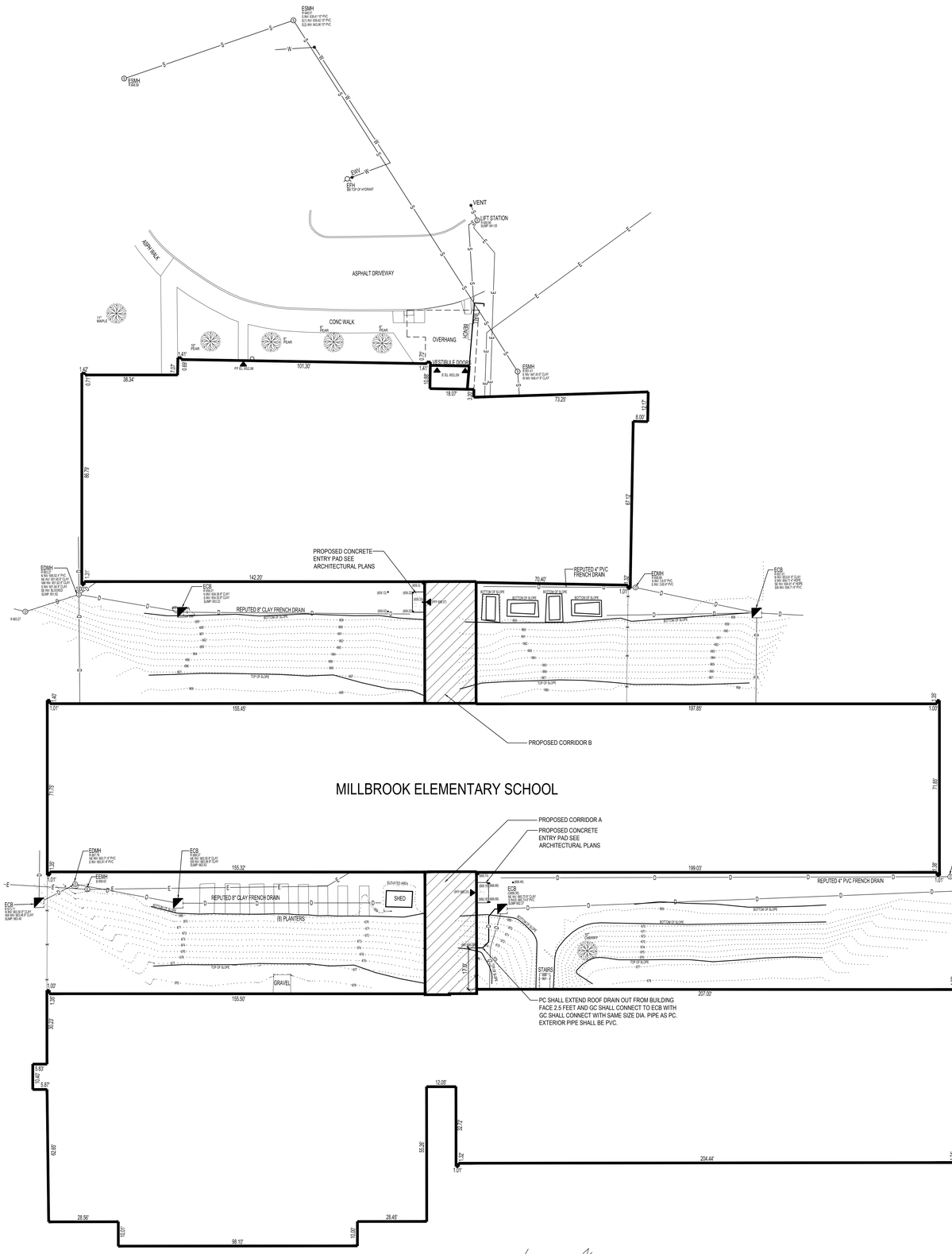
THE UNDERSIGNED CERTIFIES THAT TO THE BEST OF HIS KNOWLEDGE, INFORMATION, AND BELIEF, THE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE CONSTRUCTION STANDARDS OF THE EDUCATION DEPARTMENT.

JOSEPH R. RETTIG LIC. No. 32280

BBS FILE No. 25-237

BID ISSUED: 5-18-2026


ESMH
RIM 670.47
E/O IN 12" RCP 659.47
E/O IN 12" PVC 659.67
E/O IN 6" PVC 660.08
S
W
E
ESMH
RIM 658.9
ESMH
RIM 659.0
INV 651.0
INV 651.0
INV 651



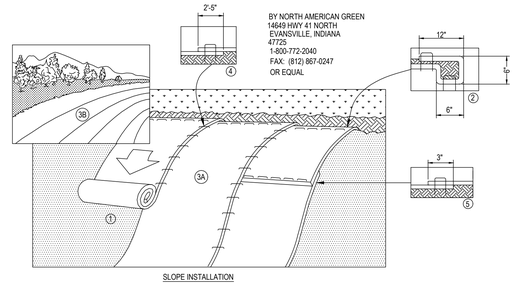
1 SITE GRADING AND DRAINAGE PLAN

SCALE 1"=20'-0"

SEE SHEET CS2.1 FOR ENLARGED SCALE PART PLANS.

NOTE: GC SHALL PROVIDE AND INSTALL TEMPORARY EROSION CONTROL MEASURES DURING CONSTRUCTION.

NOTE: GC SHALL TOPSOIL AND HYDRO-SEED DISTURBED AREAS POST CONSTRUCTION AND PROVIDE AND INSTALL EROSION CONTROL MATS ON ALL SLOPES. SEE DETAIL 2/CS2.0.



SLOPE INSTALLATION

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15CM) DEEP X 6" (15CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30CM) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/ STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5CM-12.5CM) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30CM) APART ACROSS ENTIRE BLANKET WIDTH.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. IN LOOSE SOIL CONDITIONS THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
4. CONTRACTOR'S NOTE: FOR PRODUCT AND PURCHASING INFORMATION VISIT REFERENCE NUMBER 140-003 www.PROJECTmarketsite.com

2 EROSION CONTROL BLANKET

NTS

LEGEND

S	SANITARY	S	TO BE REMOVED
T	TELEPHONE	T	TO BE REMOVED
W	WATER	W	TO BE REMOVED
D	STORM DRAIN	D	TO BE REMOVED
E	ELECTRIC	E	TO BE REMOVED
G	GAS	G	TO BE REMOVED
H	HEAT	H	TO BE REMOVED
X	EXISTING FENCE		
	PROPOSED CHAIN LINK FENCE		
(106)	PROPOSED CONTOUR		
106	EXISTING CONTOUR		
	BUILDING ENTRY		
(120.00)	PROPOSED GRADE ELEVATION		
120.00	EXISTING GRADE ELEVATION		
(G120.00)	INLET GRATE ELEVATION		
(R120.00)	SOLID COVER ELEVATION		
ECB	EXISTING CATCH BASIN		
EDMH	EXISTING DRAINAGE MANHOLE		
INV	INVERT		

SITE IMPROVEMENT NOTES

S.1) ALL SUBSURFACE STRUCTURES AND UTILITIES SHOWN OR REFERRED TO WITHIN THE CONTRACT DOCUMENTS ARE BASED ON SCHOOL DISTRICT AND UTILITY CO. RECORDS AND ARE APPROXIMATE. THE GENERAL CONTRACTOR AND/OR HIS SUBCONTRACTORS SHALL HAVE ANY AREA WHERE CONSTRUCTION IS PROPOSED MARKED OUT BEFORE COMMENCING WITH WORK. ANY DAMAGE DONE TO SUBSURFACE UTILITIES AND STRUCTURES SHALL BE REPLACED AT THE GENERAL CONTRACTOR'S EXPENSE WHETHER OR NOT THEY WHERE SHOWN ON THE PLANS.

S.2) BEFORE COMMENCEMENT OF ANY WORK, THE GENERAL CONTRACTOR AND/OR HIS SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AND REPORT IN WRITING ANY DISCREPANCIES TO THE ARCHITECT AND SHALL NOT CONTINUE WITH WORK UNTIL NOTIFIED BY THE ARCHITECT TO PROCEED.

S.3) THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AN ENGLISH SPEAKING SUPERVISOR AT THE SITE AT ALL TIMES TO COORDINATE THE CONSTRUCTION OF ALL TRADES AND THE PROPER INTERCONNECTION OF THEIR WORK.

S.4) EXISTING DRAINAGE SYSTEM CAPACITIES, LOCATIONS, SIZES AND QUANTITIES ARE FROM EITHER ORIGINAL CONSTRUCTION DOCUMENTS (BY OTHERS), MARK OUT (BY OTHERS), SURVEY BY OTHERS, AND MAY NOT REFLECT AS BUILT CONDITIONS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES.

S.5) ALL EXISTING DRAINAGE STRUCTURES WITHIN OR JUST ADJACENT TO THE SCOPE AREAS THAT ARE TO REMAIN IN USE SHALL BE CLEANED AND INSPECTED. G.C. SHALL NOTIFY OWNER/ARCHITECT IF REPAIRS ARE NECESSARY (TYP).

S.6) THE PLACEMENT AND COMPONENT OF DRAINAGE SYSTEM PIPES SHALL BE IN STRICT CONFORMANCE WITH SPECIFICATIONS AND ALL LOCAL TOWN, COUNTY AND STATE CODES.

S.7) THE GENERAL CONTRACTOR SHALL PRESERVE AND PROTECT ALL ADJACENT AREAS WHETHER IN CONTRACT OR NOT FROM EROSION AND SEDIMENT INTRUSION. THIS SHALL BE ACCOMPLISHED WITH THE INSTALLATION OF SILT FENCES, HAY BALES, OR OTHER MEASURES AS SPECIFIED OR DIRECTED BY THE ARCHITECT.

S.8) ALL SITE GRADING AND EXCAVATING SHALL BE DONE IN STRICT CONFORMANCE WITH SPECIFICATIONS.

S.9) THE GENERAL CONTRACTOR SHALL DIRECT THE PLACEMENT OF TOPSOIL AND SEED AT ALL CONTRACTED AREAS AS WELL AS AREAS NOT IN CONTRACT DISTURBED BY CONSTRUCTION. THE SEED AND TOPSOIL SHALL BE PLACED IN EARLY SPRING OR FALL AND SHALL CONFORM TO SPECIFICATIONS

SITE CONSTRUCTION NOTES

C.1) THE GENERAL CONTRACTOR SHALL PREPARE A CONSTRUCTION IMPLEMENTATION DRAWING FOR REVIEW AND APPROVAL BY THE OWNER, THE OWNER'S CONSTRUCTION MANAGER AND OR THE ARCHITECT. THE PLAN SHALL INCLUDE INFORMATION ON INGRESS AND EGRESS FROM THE BUILDING, THE LOCATION OF TEMPORARY FENCE, AND PLACEMENT OF CONSTRUCTION TRAILERS, EQUIPMENT, STOCKPILES AND MATERIALS.

C.2) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINE GRADING AND SEEDING AT AREAS DISTURBED BY CONSTRUCTION AND/OR CONSTRUCTION ACTIVITIES.

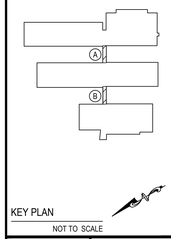
C.3) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ALL EXISTING DRAINAGE STRUCTURES THAT ARE TO REMAIN WITHIN OR JUST ADJACENT TO THE SCOPE AREAS. G.C. SHALL INSPECT STRUCTURES AND NOTIFY OWNER/ARCHITECT IF ANY REPAIRS ARE NECESSARY.

C.4) THE ELECTRICAL CONTRACTOR AND THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING ASSOCIATED WITH THE INSTALLATION OF THE UTILITIES FOR WHICH THE ARE INSTALLING. TRENCHING SHALL CONSIST OF SAW CUTTING OF PAVEMENT EXCAVATION AND BACK FILLING. BACK FILLING SHALL CONFORM TO SPECIFICATIONS. FINE GRADING AND PATCHING SHALL BE PERFORMED BY GENERAL CONTRACTOR.

REV.	DATE	ITEM

NOTICE

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KEY PLAN

NOT TO SCALE

PROJECT

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE

SITE GRADING AND DRAINAGE PLAN

DRAWING BY: J. ILLIG

CHECK BY: J.R.

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PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

187 WOLF ROAD, STE. 205
ALBANY
NEW YORK 12205
T. 518.621.7650
F. 518.621.7655

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REGISTERED ARCHITECT
JOSEPH R. RETTA
032280
STATE OF NEW YORK
EXP. 9-30-28

SED No. 13-22-01-04-0-008-016

DISTRICT MILLBROOK CENTRAL SCHOOL DISTRICT

PROJECT CAPITAL IMPROVEMENT BOND PHASE - 1A

DWG TITLE SITE GRADING AND DRAINAGE PLAN

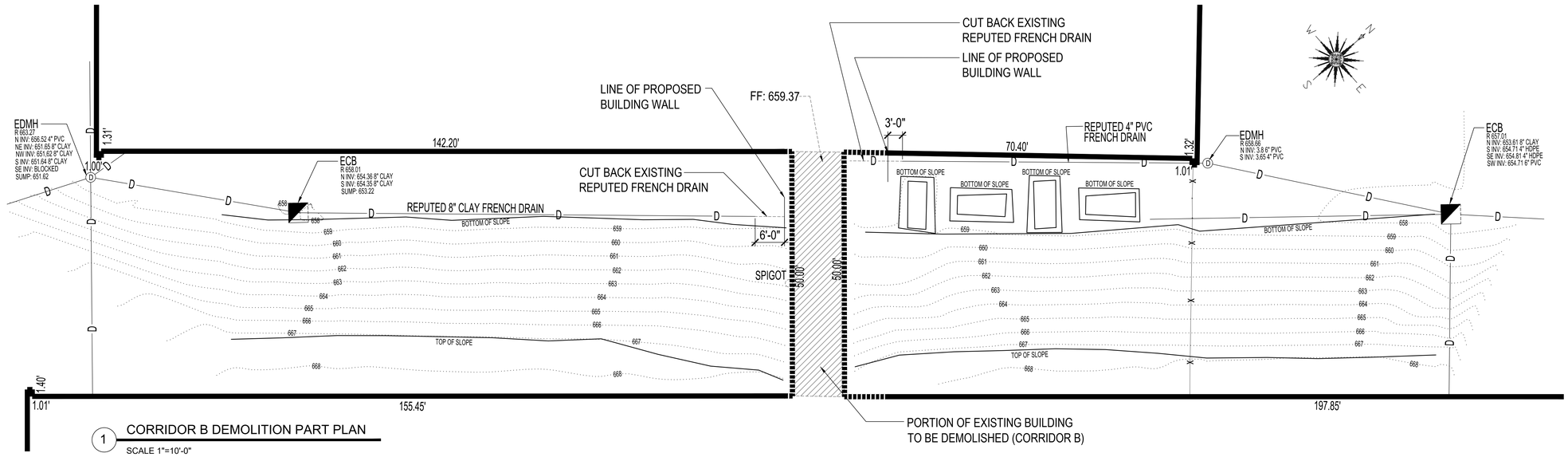
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DATE: 1/20/26

BID PICK-UP: 5/18/2026

FILE No: 25-237

CS2.0



1 CORRIDOR B DEMOLITION PART PLAN

SCALE 1"=10'-0"

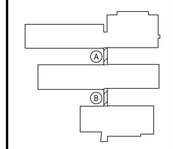
LEGEND

S	SANITARY	S	TO BE REMOVED
T	TELEPHONE	T	TO BE REMOVED
W	WATER	W	TO BE REMOVED
D	STORM DRAIN	D	TO BE REMOVED
E	ELECTRIC	E	TO BE REMOVED
G	GAS	G	TO BE REMOVED
H	HEAT	H	TO BE REMOVED
X	EXISTING FENCE		
	PROPOSED CHAIN LINK FENCE		
(106)	PROPOSED CONTOUR		
106	EXISTING CONTOUR		
▼	BUILDING ENTRY		
(120.00)	PROPOSED GRADE ELEVATION		
120.00	EXISTING GRADE ELEVATION		
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ECB	EXISTING CATCH BASIN		
EDMH	EXISTING DRAINAGE MANHOLE		
INV	INVERT		

REV.	DATE	ITEM

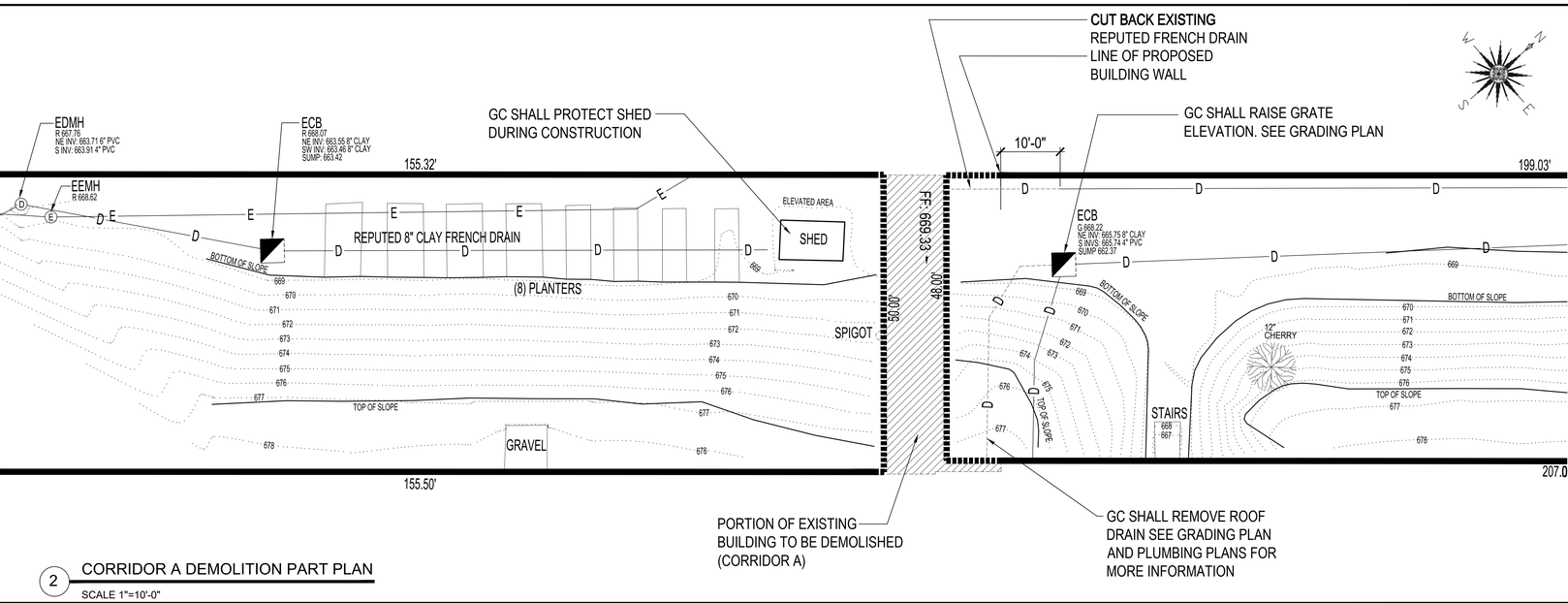
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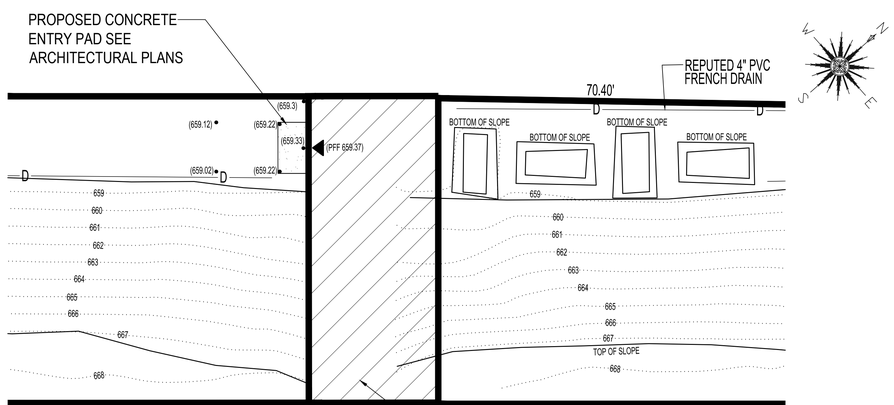
KEY PLAN

NOT TO SCALE



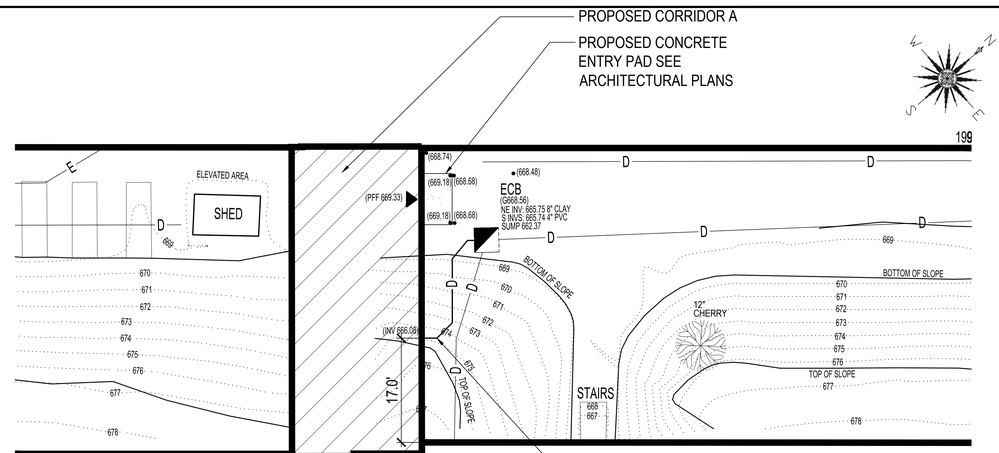
2 CORRIDOR A DEMOLITION PART PLAN

SCALE 1"=10'-0"



3 CORRIDOR B GRADING PART PLAN

SCALE 1"=10'-0"



4 CORRIDOR A GRADING PART PLAN

SCALE 1"=10'-0"

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

ENLARGED SCALED PARTS PLANS

PROJECT

DWG TITLE

DRAWING BY:	J. ILLIG
CHECK BY:	J.R.

NOTICE

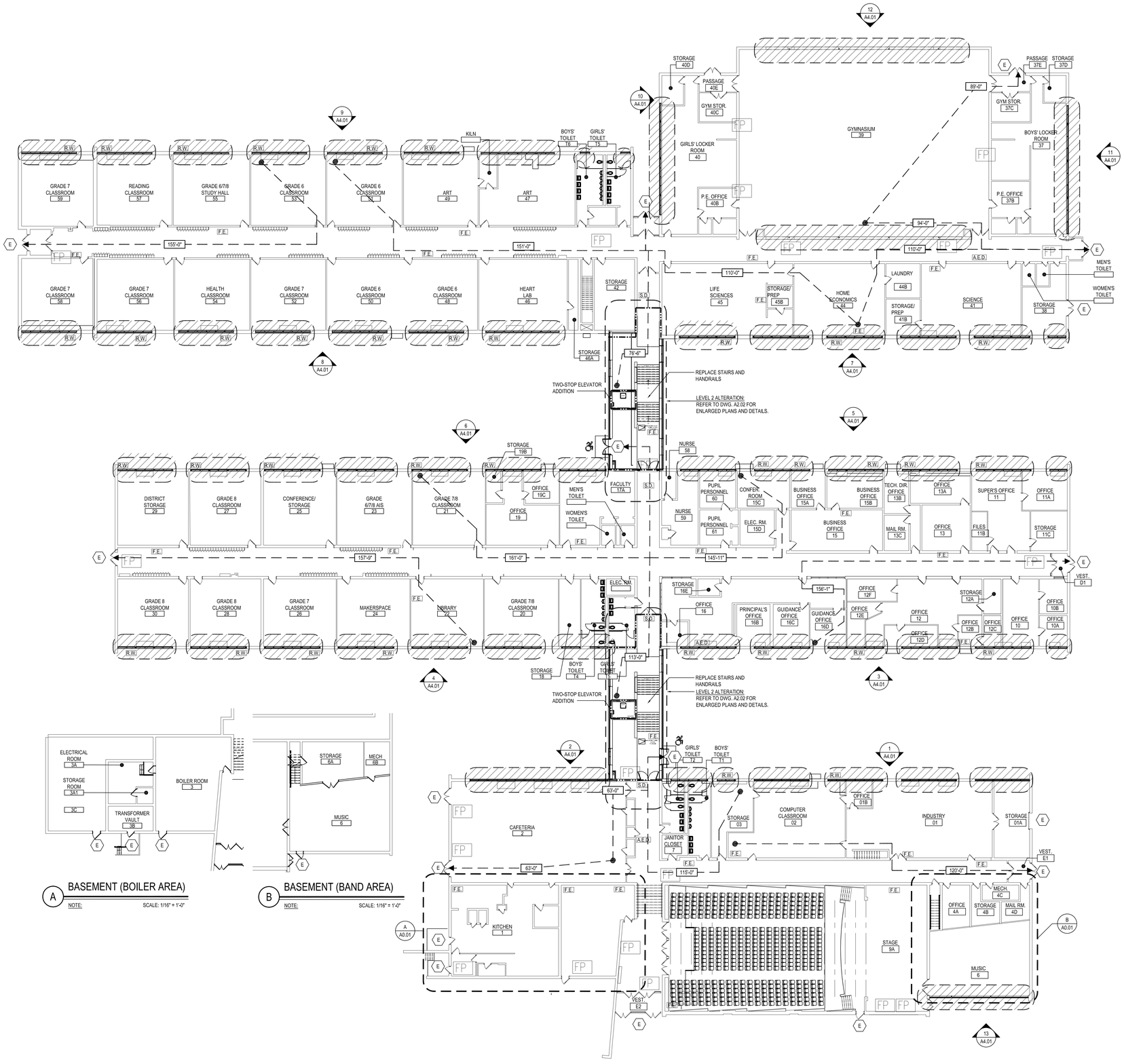
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ALBANY
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REGISTERED ARCHITECT
JOSEPH B. RETTEW
032260
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DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	ENLARGED SCALED PARTS PLAN
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
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CS2.1



A BASEMENT (BOILER AREA)

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

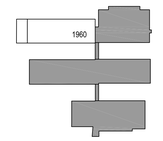
B BASEMENT (BAND AREA)

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

CODE COMPLIANCE PLAN

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

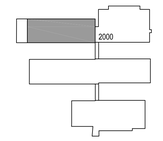
BUILDING ADDITION AREA KEY PLANS



ORIGINAL BUILDING DATE: +/- 1960
CONSTRUCTION TYPE: IIB
OCCUPANCY CLASSIFICATION: E

BASEMENT: +/- 2,181 SF
FIRST FLOOR: +/- 65,710 SF

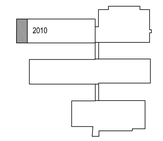
GROSS BUILDING: +/- 67,891 SF



ADDITION DATE: +/- 2000
CONSTRUCTION TYPE: IIB
OCCUPANCY CLASSIFICATION: E

BASEMENT ADDITION: +/- 0 SF
FIRST FLOOR ADDITION: +/- 14,905 SF

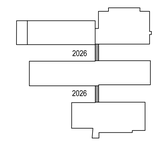
GROSS BUILDING(S): +/- 82,796 SF



ADDITION DATE: +/- 2010
CONSTRUCTION TYPE: IIB
OCCUPANCY CLASSIFICATION: E

BASEMENT ADDITION: +/- 0 SF
FIRST FLOOR ADDITION: +/- 2,426 SF

GROSS BUILDING(S): +/- 85,222 SF



PROPOSED ADDITION: +/- 2026
CONSTRUCTION TYPE: IIB
OCCUPANCY CLASSIFICATION: E
FIRST FLOOR DEMOLITION: +/- 1,051 SF
BASEMENT ADDITION: +/- 0 SF
FIRST FLOOR ADDITION: +/- 1,783 SF

GROSS BUILDING(S): +/- 85,954 SF

SCOPE of WORK:
LEVEL 1 ALTERATION - REMOVAL AND REPLACEMENT OF ALL WINDOWS AS INDICATED

LEVEL 2 ALTERATION - DEMOLITION AND NEW CONSTRUCTION OF WALKWAYS AS INDICATED, INCLUDING INSTALLATION OF NEW EQUIPTMENT

CODE COMPLIANCE NOTES:

BUILDING OCCUPANCY CLASSIFICATION: GROUP E

CONSTRUCTION CLASSIFICATION - EXISTING: TYPE 2B

CONSTRUCTION CLASSIFICATION - NEW: TYPE 2B

HEIGHT IN STORIES:
EXISTING: 1

BUILDING AREA - EXISTING BUILDING:
FIRST FLOOR: ± 85,222 SQ. FT.

FIRE RESISTANCE RATING REQUIREMENTS FOR TYPE 2B BUILDING ELEMENTS (UNLESS OTEHRWISE NOTED)

STRUCTURAL FRAME: 0 HOUR
FLOOR CONSTRUCTION: 0 HOUR
ROOF CONSTRUCTION: 0 HOUR

NOTE : THERE IS NO CHANGE IN INTERIOR LAYOUT, OCCUPANCY, EXITING OF SPACES and / or BUILDING, FIRE RATED PARTITIONS, etc.

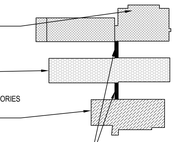
SYMBOL LEGEND

SYMBOL	DESCRIPTION
WX	WINDOW DESIGNATION
XX / XX.XX	SECTION / ELEVATION TAG DETAIL NUMBER DRAWING NUMBER
A.E.D.	DENOTES LOCATION OF AUTOMATED EXTERNAL DEFIBRILLATOR.
F.E.	DENOTES LOCATION OF RECESSED FIRE EXTINGUISHER WITH FIRE RATED CABINET.
R.W.	DENOTES LOCATION OF RESCUE WINDOW.
S.D.	DENOTES LOCATION OF SMOKE DOOR.
	FIRE WALL - (2) HR RATED CONSTRUCTION U.L. RATED U905/U906
	INDICATES ALTERATIONS OR ADDITIONS
	DENOTES ACCESSIBLE ENTRANCE/EXIT, FIXTURE, ACCESSORY, DEVICE, OR PARTICIPATION AREA.
	INDICATES AREAS OF WINDOW REPLACEMENT LEVEL 1 ALTERATION
XXX'-XX"	EXIT ACCESS TRAVEL DISTANCE - [XXX'-XX"] DENOTES TRAVEL DISTANCE FOR THE SEGMENT INDICATED PER IBC TABLE 1017.2.

APPLICABLE CODE

THE PROPOSED WORK IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE 2025 COMPILATION OF THE INTERNATIONAL BUILDING CODE, NEW YORK STATE VERSION, IN CONJUNCTION WITH NEW YORK STATE 2016 AND 2017 CODE SUPPLEMENTS. REV. 1-2025

BUILDING FIRE AREA KEY PLAN



BUILDING '1' (EXISTING)
ONE STORY W/ BASEMENT
CONSTRUCTION TYPE: CMU
FIRE AREA (1): ± 33,983 SF

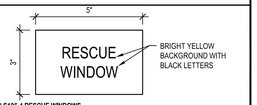
BUILDING '2' (EXISTING)
ONE STORY W/ BASEMENT
CONSTRUCTION TYPE: CMU
FIRE AREA (2): ± 25,053 SF

BUILDING '3' (EXISTING)
ONE STORY W/ BASEMENT AND TWO STORIES
CONSTRUCTION TYPE: CMU
FIRE AREA (3): ± 22,503 SF

BUILDING '4' (NEW CONSTRUCTION)
TWO STORIES
CONSTRUCTION TYPE: CMU
FIRE AREA (4): ± 4,416 SF

GROSS BUILDING AREA: 85,954 SF

RESCUE WINDOW LABEL DETAIL



NYSED-MPS 2022 S106-4 RESCUE WINDOWS

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, CASEMENT, AND SLIDING WINDOWS ARE SATISFACTORY WINDOW TYPES. CASEMENT 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.

1. G.C. SHALL PROVIDE AND INSTALL NEW YORK STATE APPROVED DOUBLE SIDED 'RESCUE WINDOW' DESIGNATION STICKER AT ALL PROPOSED RESCUE WINDOW LOCATIONS DESIGNATED AS "RW" ON THE DRAWINGS.
2. REFER TO CODE COMPLIANCE PLANS FOR ADDITIONAL INFORMATION/LOCATIONS. FINAL LOCATIONS TO BE COORDINATED IN THE FIELD WITH OWNER/ARCHITECT.
3. ANY NEW OR EXISTING WINDOW COVERINGS SHALL HAVE LABELS CLEARLY VISIBLE IN ADDITION TO IDENTIFICATION ON THE WINDOW SASH. IF STICKER CAN NOT BE AFFIXED TO WINDOW COVERINGS, THE IDENTIFICATION STICKER SHALL BE PERMITTED TO BE AFFIXED TO THE WALL IMMEDIATELY ADJACENT TO THE RESCUE WINDOW.
4. TEXT SHALL READ "RESCUE WINDOW" AND BE READABLE FROM INTERIOR AND EXTERIOR. ALL DOUBLE SIDED STICKERS SHALL BE INSTALLED ON INTERIOR SIDE OF WINDOW SASH. WHERE REFLECTIVE GLAZING IS PROVIDED, A STICKER SHALL BE PROVIDED ON EACH SIDE OF THE SASH.
5. STICKER SHALL BE BRIGHT YELLOW BACKGROUND WITH BLACK LETTERING.
6. PROVIDE WINDOW OPERATING INSTRUCTIONS ON HOW TO OPERATE RESCUE WINDOW IF NOT READILY APPARENT.
7. MINIMUM CLEAR OPENING FOR RESCUE WINDOWS IS 6 SF, WITH A 24" MINIMUM DIMENSION IN ANY DIRECTION. THE WINDOWS DESIGNATED AS RESCUE WINDOWS ON THESE DRAWINGS EXCEED SAID MINIMUM DIMENSIONS.

ENERGY CONSERVATION CODE NOTES

- CLIMATE ZONE: 5
- DESIGN APPROACH: CHAPTER 5 - COMMERCIAL
- ABOVE GRADE WALL AREA: +/- 35,582 S.F.
- WINDOW GLAZING AREA: +/- 12,317 S.F.
- DOOR AREA: +/- 792 S.F.

- THEREFORE, 36.8% FENESTRATION AREA OF ABOVE GRADE WALL AREA

BUILDING ENVELOPE REQUIREMENTS:

SLAB OR BELOW GRADE WALL (R VALUE): R-10 REQUIRED (R-10 PROVIDED) WINDOWS and GLASS DOORS: REFER TO SPECIFICATION SECTIONS 084113, 085113 and 084413.

AIR BARRIER REQUIREMENT: SPECIFICATION SECTION 072113 - MATERIALS REQUIREMENTS - A. CAVITY WALL INSULATION - CAVITY WALL INSULATION SHALL BE STYROFOAM (TM) BRAND CAVITY MATE (TM) ULTRA INSULATION' WHICH MEETS ASTM E2178 AIR BARRIER TEST REQUIREMENT FOR A MAXIMUM AIR PERMEANCE NO GREATER THAN 0.004 CFM/FT². BOARD JOINTS OF STYROFOAM (TM) BRAND CAVITY MATE (TM) ULTRA INSULATION' ARE TO BE SEALED WITH 'GREAT STUFF PRO GAPS & CRACKS INSULATING FOAM SEALANT IN A CAVITY WALL ASSEMBLY. THE AIR BARRIER QUALITIES OF THIS SYSTEM HAVE BEEN TESTED AND MEET THE REQUIREMENTS OF ASTM E2357 and MEET ALL RELEVANT CODE REQUIREMENTS FOR INFILTRATION RESISTANCE.

ROOF ASSEMBLIES (R-VALUE): S.B.S. MODIFIED BITUMEN - NEW ADDITIONS (FLAT ROOF)

	R-VALUE
OUTSIDE AIR FILM	= 0.17
TPO MEMBRANE	= 0.33
1/2" COVERBOARD	= 2.5
TAPERED RIGID INSULATION	= 30
TOTAL R-VALUE	33 PROVIDED (R-30 REQUIRED)

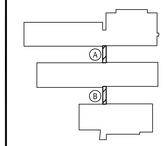
ABOVE GRADE WALLS (R-VALUE): 16" CAVITY WALL (ADDITIONS)

	R-VALUE
OUTSIDE AIR FILM	= 0.17
4" BRICK	= 0.44
2" AIR SPACE	= 0.92
12" C.M.U.	= 3.33
CONTINUOUS CAVITY INSULATION	= 12.4
INSIDE AIR FILM	= 0.68
TOTAL R-VALUE	17.77 PROVIDED (R-13.3 REQUIRED)

REV.	DATE	ITEM

NOTICE

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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE: CODE COMPLIANCE PLAN

DRAWING BY: EN
CHECK BY: ...

NOTICE

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BBS
ARCHITECTS
LANDSCAPE ARCHITECTS
ENGINEERS
244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361
100 GREAT OAKS BLVD.
SUITE 115, ALBANY
NEW YORK 12203
T. 518.621.7650
F. 518.621.7655
www.BBSARCHITECTURE.com

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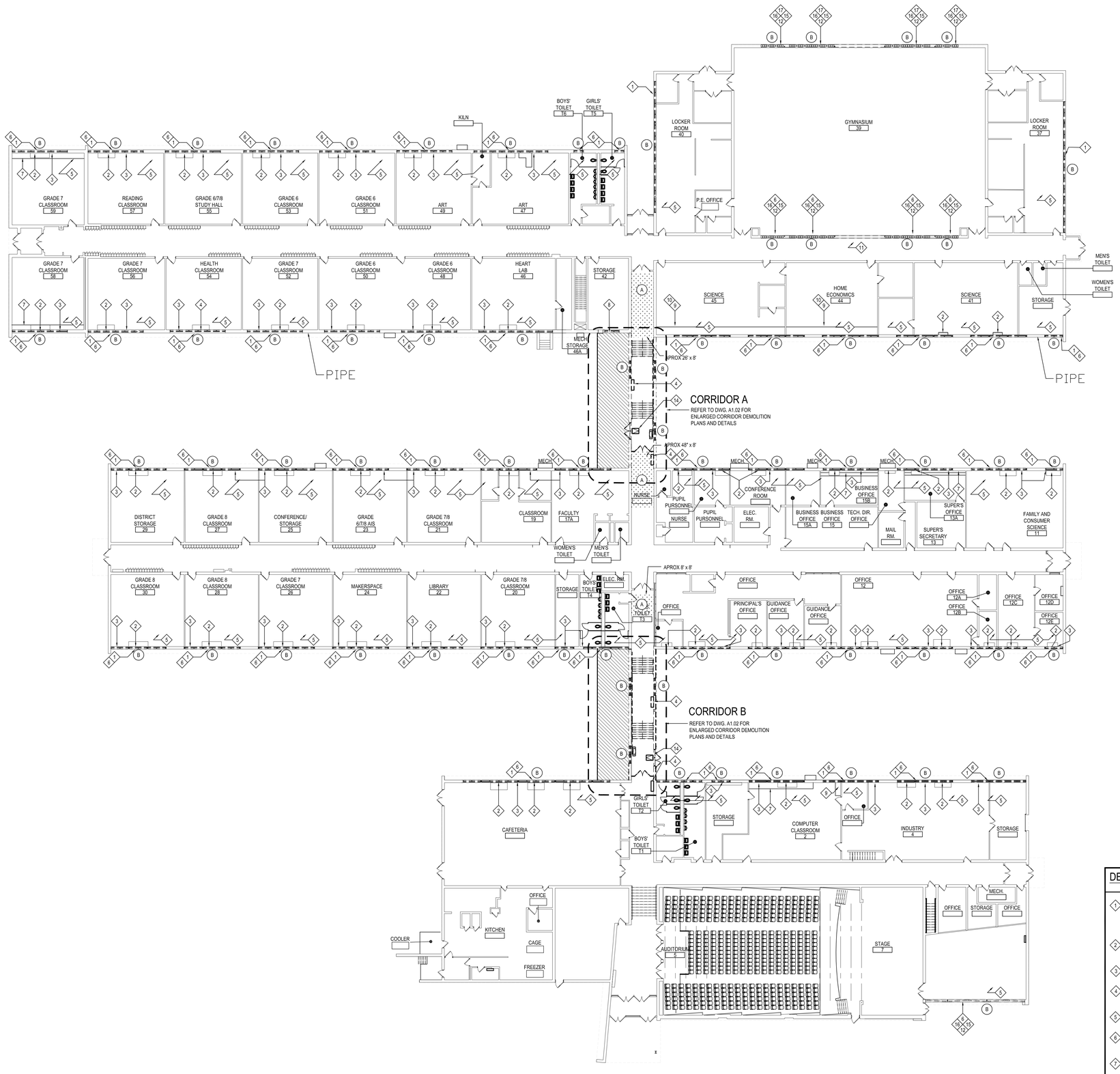
DISTRICT: MILLBROOK CENTRAL SCHOOL DISTRICT

PROJECT: CAPITAL IMPROVEMENT BOND PHASE - 1A

DWG TITLE: CODE COMPLIANCE PLAN

SCALE: AS NOTED
DATE: 1/20/26
BID PICK-UP: 5/18/2026
FILE No: 25-237

A0.01



DEMOLITION PLAN

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

DEMOLITION SYMBOL LEGEND

SYMBOL	DESCRIPTION
	EXISTING CONSTRUCTION TO BE REMOVED (PATCH ALL REMAINING SURFACES)
	AREAS OF 9"X9" FLOOR TILE AND MASTIC TO BE ABATED
X	KEY NOTE
# / AX.XX	DETAIL TAG DETAIL NUMBER DRAWING NUMBER
XX / XX.XX	SECTION / ELEVATION TAG DETAIL NUMBER DRAWING NUMBER
XXXX / XXX / XXX.SF	ROOM TAG ROOM NAME ROOM NUMBER ROOM AREA
1	REVISION CLOUD AND KEYED DESIGNATION. REFER TO DRAWING TITLEBLOCK FOR ADDITIONAL INFORMATION.
	AREA OF EXCAVATION INDICATED

HAZARDOUS MATERIALS NOTES

1. OWNER HAS EMPLOYED AN ENVIRONMENTAL CONSULTANT TO PERFORM DESIGN-PHASE INSPECTION AND TESTING FOR ASBESTOS, LEAD AND / OR PCBs. SUCH REPORTS ARE CONTAINED IN THE PROJECT MANUAL AND MAY CONTAIN ADDITIONAL REQUIREMENTS BEYOND THOSE SHOWN IN THE CONSTRUCTION DRAWINGS AND DIVISION 1 RELATED SPECIFICATIONS.
2. CONSTRUCTION DRAWINGS INDICATE EXTENT OF HAZARDOUS MATERIALS REMOVALS, WHICH MAY BE ASSUMED OR CONFIRMED POSITIVE. CONTRACTOR SHALL VERIFY QUANTITIES OF SUCH MATERIALS AND ACCOUNT FOR THEM IN THE BID.
3. CONTRACTOR SHALL EMPLOY A PROPERLY CREDENTIALED HAZARDOUS MATERIALS SUBCONTRACTOR AS REQUIRED FOR THE SCOPE OF WORK AT HAND.
4. ASBESTOS ABATEMENT SHALL BE PERFORMED IN ACCORDANCE WITH NYS INDUSTRIAL CODE RULE 56.
5. CONTRACTOR SHALL COORDINATE HAZARDOUS MATERIALS REMOVAL ACTIVITIES WITH THE OWNER'S ENVIRONMENTAL CONSULTANT FOR APPROPRIATE PROJECT MONITORING.
6. IF ANY SUSPECT MATERIALS ARE DISCOVERED DURING DEMOLITION THAT ARE OUTSIDE OF THE IDENTIFIED SCOPE OF WORK, THE CONTRACTOR SHALL CEASE REMOVAL AND NOTIFY THE ARCHITECT.
7. THE FOLLOWING HAZARDOUS MATERIAL REMOVAL KEY NOTES CORRESPOND TO THE CONSTRUCTION DRAWINGS:

DEMOLITION and REMOVAL NOTES

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVALS. UNLESS NOTED OTHERWISE. MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL DISCONNECTS. G.C. TO COORDINATE DEMOLITION WITH M.C., P.C., AND E.C. REFER TO M.E.P. SERIES DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION AND DEMOLITION SCOPE BY GENERAL CONTRACTOR NOT SHOWN THIS DRAWING. TYPICAL FOR ALL AREAS OF INTERIOR DEMOLITION AND / OR RECONSTRUCTION.
2. ALL OPENINGS IN EXISTING INTERIOR AND EXTERIOR WALLS SHALL BE PATCHED AS REQUIRED AND MASONRY TOOTHED-IN TO MATCH ADJACENT.
3. G.C. SHALL PATCH, REPLACE, OR REPAIR DAMAGE CAUSED TO EXIST. FLOOR, WALLS, ROOF, ETC. SHOWN TO REMAIN AS A RESULT OF DEMOLITION TO PRIOR CONDITION OR MATCH ADJACENT NEW CONSTRUCTION.
4. G.C. SHALL VERIFY ALL REMOVALS W/ OWNERS REPRESENTATIVE/OWNER, AND M.C., P.C., OR E.C. PRIOR TO COMMENCEMENT.
5. NOTED WALL REMOVALS SHALL INCLUDE ALL DOORS, WINDOWS AND FRAMES WHERE SHOWN.
6. REFER TO STRUCTURAL DRAWINGS FOR LINTEL SCHEDULE.
7. ALL BLINDS AND/OR CURTAINS ARE TO BE REMOVED AND TURNED OVER TO OWNER FOR LATER REINSTALLATION.
8. ALL LOOSE FURNISHINGS, FILE CABINETS, DESKS, SHELVING, ETC. TO BE REMOVED BY OWNER.

ABATEMENT KEY NOTES

(A) ASBESTOS CONTAINING 9x9 FLOOR TILES INCLUDING MASTIC BELOW FLOOR TILES; REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.

(B) INDICATES PCB CONTAINING EXTERIOR WINDOW CAULKING. REMOVAL AND DISPOSAL SHALL BE IN COMPLIANCE WITH SPECIFICATIONS AND ALL GOVERNING REGULATIONS.

REFER TO PRE-CONSTRUCTION SURVEY, BULK SAMPLING AND ANALYSIS OF SUSPECT HAZARDOUS MATERIALS CONTAINING MATERIALS (INFORMATION AVAILABLE TO BIDDERS) FOR ASSUMED ASBESTOS CONTAINING, LEAD CONTAINING, AND PCB CONTAINING CONSTRUCTION MATERIALS NOT IDENTIFIED BY KEYNOTES WHICH MAYBE SHOWN AS DEMOLITION OR POTENTIALLY DISTURBED AS A RESULT OF THE PROPOSED RENOVATIONS

DEMOLITION KEY NOTES

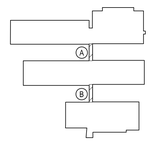
(REFER TO THE TESTING REPORTS PRIOR TO ANY REMOVALS)

1. W.C TO REMOVE AND DISPOSE OF EXISTING WINDOWS IN ITS ENTIRETY INCLUDING WINDOW SILLS, SPANDREL, FRAME, ETC. KEEP LINTEL AND STEEL COLUMN. CLEAN AND PREP WINDOW OPENING TO RECEIVE NEW WINDOWS. COORDINATE WITH E.C. AND M.C. TO DISCONNECT ANY OUTLETS OR EQUIPMENT ATTACHED TO THE WINDOW SYSTEM BEFORE STARTING WORK.
2. M.C. TO DISCONNECT UV FROM EXISTING WINDOW SYSTEM, STORE VENTILATION GRILLS. UV TO REMAIN COVERED AND PROTECTED DURING CONSTRUCTION.
3. E.C. TO DISCONNECT ANY SURFACE MOUNT ELECTRICAL OUTLETS ON WINDOWS. CONTRACTOR TO VISIT SITE PRIOR TO BID.
4. UV IN CORRIDOR TO BE REMOVED. CAP PIPES AT TUNNEL LEVEL BEFORE START OF DEMOLITION. PATCH AND PREP FLOOR AND WALLS TO RECEIVE NEW FINISHINGS.
5. G.C. TO REMOVE TEMPORARILY ANY CEILING TILES AND GRIDS AS REQUIRED TO EASE THE INSTALLATION OF NEW WINDOW SYSTEM.
6. G.C. TO REMOVE AND DISPOSE OF ALL WINDOW SHADES, PATCH AND PREP TO RECEIVE NEW SHADES (COLOR TO BE CHOSEN LATER BY SCHOOL DISTRICT AND THE ARCHITECT.)
7. G.C. TO REMOVE ALL BUILT IN SHELVING AND CASEWORK IN FRONT TO EXISTING WINDOWS. PROTECT AND STORE TO REINSTALL AFTER CONSTRUCTION. COORDINATE WITH OWNER.
8. W.C. TO REMOVE WINDOW IN THE AREA THAT WILL BE COVERED BY NEW BUILDING EXTENSION. BLOCK UP WINDOW OPENING AS REQUIRED WITH CMU AND BRICK. REFER DRAWING A1.02 FOR DETAIL.
9. CONTRACTOR TO TEMPORARILY REMOVE AND PROTECT ANY STOVES, CASEWORK, BOOKSHELVES INSTALLED ON OR NEAR EXISTING WINDOW SYSTEM, THAT WILL BE IMPACTED BY REMOVAL OF EXISTING WINDOW SYSTEM. COORDINATE WITH OWNER TO FACILITATE REINSTALLATION AFTER INSTALLATION OF NEW WINDOW SYSTEM.
10. M.C. TO DISCONNECT FIXTURES, SINKS, OTHER PLUMBING, ETC THAT WILL BE AFFECTED BY REMOVAL OF EXISTING WINDOW SYSTEM.
11. CONTRACTOR TO PROTECT EXISTING ROOF MEMBRANE IF NEW WINDOW INSTALLATION WILL OCCUR OUTSIDE.
12. G.C. TO REMOVE AND DISPOSED OF ALL GLASS BLOCKS AND LATERAL SUPPORT FOR BLOCKS. PREP OPENING TO RECEIVE NEW WINDOW SYSTEM. REFER TO GWG 8.04 FOR WINDOW DETAILS. REFER TO ABATEMENT NOTES.
13. CONTRACTOR SHOULD VISIT THE SITE BEFORE BIDDING TO DETERMINE THE CORRECT COUNT AND SIZE OF WINDOWS. EVEN IF ALL WINDOWS ARE INCLUDED IN THE DRAWING SET, THE CONTRACTOR STILL RETAINS THE RESPONSIBILITY TO VERIFY ON SITE.
14. G.C. TO REMOVE EXISTING TILE FROM EXISTING TUNNEL ACCESS HATCH. CLEAN AND PREP HATCH TO RECEIVE NEW FINISH.
15. G.C. TO SAWCUT AND DISPOSE OF STEEL ANGLES SUPPORTING THE TOP OF GLASS BLOCKS, GRINDING SMOOTH IF REQUIRED TO RECEIVE NEW SUPPORT.
16. G.C. TO SAWCUT AND DISPOSE OF STEEL ANGLES SUPPORTING THE TOP OF GLASS BLOCKS, GRINDING SMOOTH IF REQUIRED TO RECEIVE NEW SUPPORT.

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE: DEMOLITION AND ABATEMENT PLAN

DRAWING BY: EN
CHECK BY: ...

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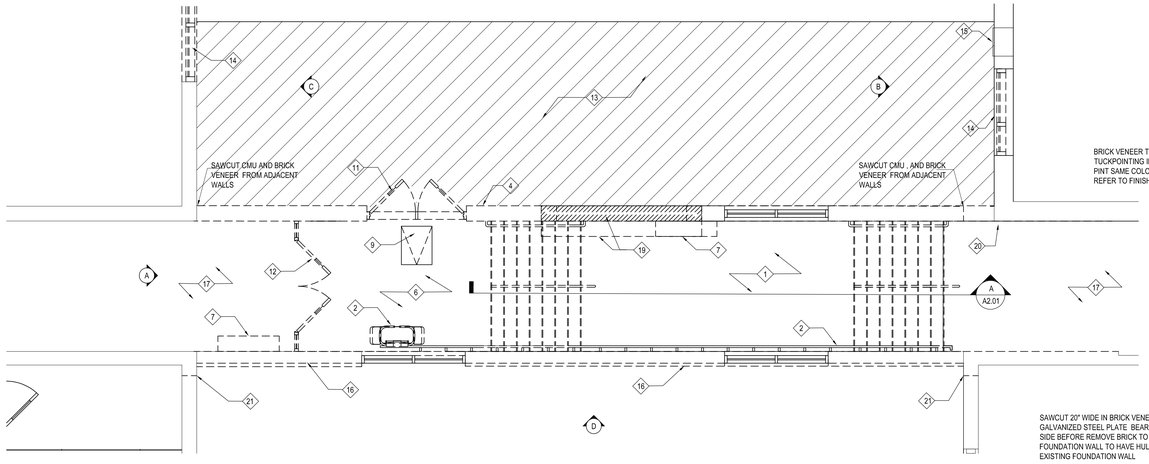
244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

100 GREAT OAKS BLVD.
SUITE 115, ALBANY
NEW YORK 12203
T. 518.621.7650
F. 518.621.7655

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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	DEMOLITION AND ABATEMENT PLAN
SCALE:	AS NOTED
DATE:	1/20/26
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A1.01



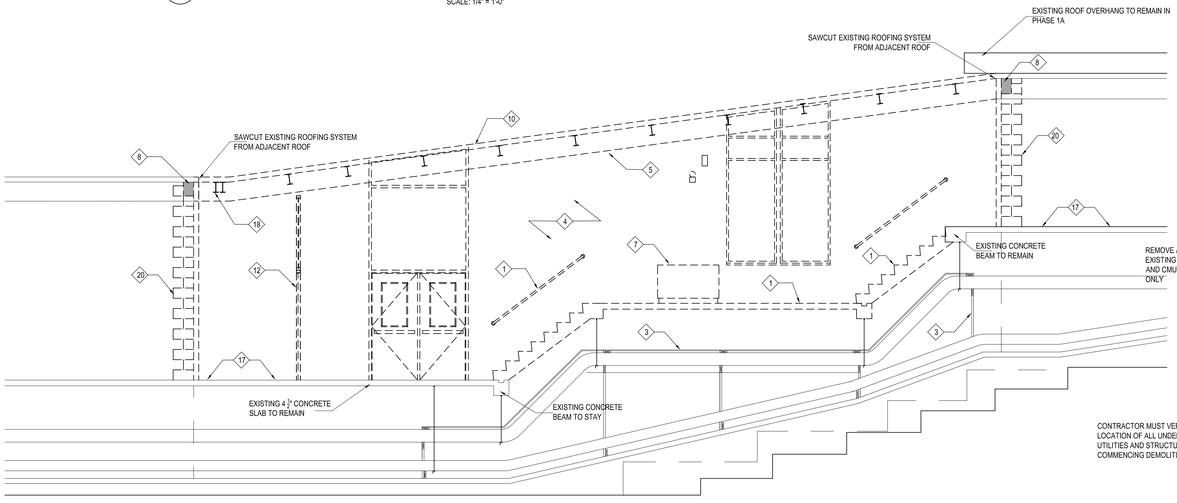
1 LINK CORRIDOR "A" DEMOLISTION PLAN

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



B CORRIDOR EXTENSION SIDE NOTH

N.T.S.



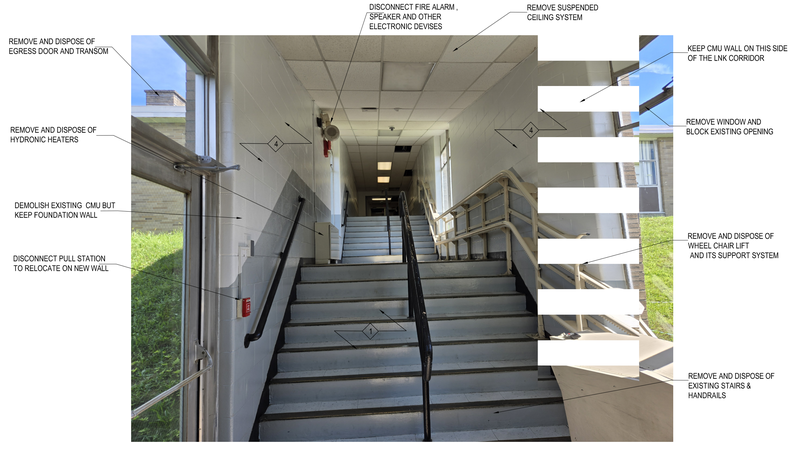
2 LONGITUDINAL SECTION "A"

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



C CORRIDOR EXTENSION SIDE SOUTH

N.T.S.



A LINK CORRIDOR "A " INTERIOR VIEW

N.T.S.



D OPPOSITE SIDE OF THE CORRIDOR EXTENSION

N.T.S.

DEMOLITION SYMBOL LEGEND

SYMBOL	DESCRIPTION
	EXISTING CONSTRUCTION TO BE REMOVED (PATCH ALL REMAINING SURFACES IF INDICATE)
	INDICATE SAW-CUT LINE FOR WALLS , ROOF & FOUNDATION
X	KEYED NOTE
# AX.XX	DETAIL TAG DETAIL NUMBER DRAWING NUMBER
XX XX.XX	SECTION / ELEVATION TAG DETAIL NUMBER DRAWING NUMBER
	INDICATE BUILDING EXTENSION LIMIT
1	REVISION CLOUD AND KEYED DESIGNATION. REFER TO DRAWING TITLEBLOCK FOR ADDITIONAL INFORMATION.

GENEREAL DEMOLITION and REMOVAL NOTES

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2. ALL OPENINGS IN EXISTING INTERIOR AND EXTERIOR WALLS SHALL BE PATCHED AS REQUIRED AND MASONRY TOOTHED-IN TO MATCH ADJACENT.
3. G.C. SHALL PATCH, REPLACE, OR REPAIR DAMAGE CAUSED TO EXIST. FLOOR, WALLS, ROOF, ETC. SHOWN TO REMAIN AS A RESULT OF DEMOLITION TO PRIOR CONDITION OR MATCH ADJACENT NEW CONSTRUCTION.
4. G.C. SHALL VERIFY ALL REMOVALS W/ OWNERS REPRESENTATIVE/OWNER, AND M.C., P.C., OR E.C. PRIOR TO COMMENCEMENT.
5. NOTED WALL REMOVALS SHALL INCLUDE ALL DOORS, WINDOWS AND FRAMES WHERE SHOWN.

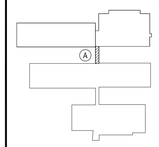
DEMOLITION NOTES

1. G.C TO REMOVE AND DISPOSE OF CONCRETE STAIRS IN ITS ENTIRETY INCLUDING HANDRAILS AND INTERMEDIATE LANDING. AFTER SAWCUT STAIRS FROM EXISTING BEAMS AT THE TOP AND BOTTOM LANDINGS AS WELL AS SIDE WALLS (SEE HATCH DENOTED AREA). G.C. TO COORDINATE WITH M.C. & E.C. TO DISCONNECT HEATING RADIATORS ON INTERMEDIATE LANDING BEFORE START WORK.
2. G.C DISMANTLE AND DISPOSE OF WHEELCHAIR LIFT ENTIRELY INCLUDING ANY WALL OR FLOOR ANCHORS , COORDINATE WITH E.C. TO DISCONNECT POWER FROM CALLING STATIONS AND REMOVE THEM PATCH ALL HOLES AND PREP WALLS FOR PAINT.
3. G.C TO PROTECT AND SUPPORT TEMPORARILY FROM BELOW EXISTING PIPES BELOW THE STAIRS DURING CONSTRUCTION BEFORE BEGINNING OF WORK.
4. G.C TO REMOVE AND DISPOSE OF EXISTING EXTERIOR WALLS ABOVE FLOOR SLAB ON BOTH SIDES OF THE LINK CORRIDOR BETWEEN THE 2 BUILDINGS, AFTER SAWCUT FROM ADJACENT WALLS AND FOUNDATION WALL BELOW SLAB . INCLUDING CMU, BRICK , WINDOWS, DOORS , LINTELS, FLASHING ...ETC. COORDINATE WITH E.C. TO DISCONNECT FIRE ALARMS, SPEAKERS, LIGHT FIXTURES OR ANY OTHER ELECTRONIC OR ELECTRICAL DEVICES MOUNTED ON THE WALL INSIDE OR OUTSIDE THE BUILDING.
5. G.C TO REMOVE AND DISPOSE OF EXISTING DROPPED CEILING SYSTEM IN ITS ENTIRETY TO ACCOMMODATE NEW CEILING, COORDINATE WITH E.C. TO DISCONNECT AND REMOVE ALL ELECTRONIC DEVICES , DETECTORS, LIGHT FIXTURE, ALARMS, ..ETC AND PROTECT THEM TO BE REINSTALLED.
6. G.C TO REMOVE AND DISPOSE OF EXISTING VCT FLOOR TILES AND COVE BASE IN THE LINK CORRIDOR AREA , AND ALL THE WAY UP TO CONTAMINATED AREAS PREP FOR NEW VCT FLOORING.
7. M.C TO DISCONNECT EXISTING HYDRONIC HEATERS AND REMOVE AND DISPOSE THEM OF. CAP SUPPLY AND RETURN PIPES FROM THE SERVICE TUNNEL. COORDINATE WITH E.C. TO DISCONNECT THE POWER CONNECTION BEFORE START DEMOLITION. G.C. TO BLOCK SLAB PENETRATIONS PATCH AND PREP SLABCO FOR NEW FLOORING IN AREAS WHERE WE WILL KEEP EXISTING SLAB.
8. G.C TO CUT NEW BEARING POCKETS IN EXISTING CMU WALL FOR NEW STEEL BEAMS TO SUPPORT EXISTING ROOF DECKING; NEW BEAMS MUST BE INSTALLED BEFORE ROOF DEMOLITION. CHECK STRUCTURAL DRAWINGS FOR BEAM SIZE.
9. SERVICE TUNNEL ACCESS HATCH TO REMAIN, G.C TO CLEAN, LUBRICATE, AND PREP TO RECEIVE NEW VCT TILES ON THE TOP.
10. REMOVE EXISTING ROOF IN ITS ENTIRETY IN BOTH LINK CORRIDORS, INCLUDING STRUCTURAL BEAMS, METAL DECKING, BEARING PLATES, CEMENT BOARD, RIGID INSULATION, BUILT-UP ROOF SYSTEM, VAPOR BARRIER, FLASHING, ..ETC., G.C TO SAW CUT POURED GYPSUM DECKING REMAINING AT BOTH ENDS OF THE ROOF FROM EXISTING ROOF STRUCTURE.
11. G.C TO REPLACE EGRESS DOOR BY NEW EXTERIOR DOOR REFER TO DOOR SCHEDULE FOR DETAILS .
12. REMOVE AND DISPOSE OF CORRIDOR DOOR AT THE BOTTOM LANDING INCLUDING DOOR FRAME , TRANSOM AND SIDELITES, PREP REMAINING WALL FOR PAINT, REFER TO PROPOSED PLAN FOR NEW DOOR LOCATION.
13. AREA OF EXCAVATION REQUIRED FOR THE BUILDING EXTENSION AND FOUNDATION, REFER TO FOUNDATION PLAN
14. G.C TO COORDINATE WITH W.C TO REMOVE AND DISPOSE OF WINDOWS THAT WILL BE AFFECTED BY THE BUILDING EXTENSION IN TOILET ROOMS, OFFICES, AND STORAGE ROOMS. G.C TO BLOCK UP WINDOW OPENINGS WITH CMU AND BRICK PATCH AND PREP FOR PAINT; REFER TO NEW WINDOWS DWG FOR WINDOW SIZE.
15. M.C TO RELOCATE VENTILATION GRILL , G.C. TO BLOCK EXISTING GRILL OPENING PATCH AND PREP FOR PAINT.
16. G.C TO REMOVE AND DISPOSE OF BRICK VENEER LAYER ON THIS SIDE WALL OF THE CORRIDOR. PREP FOR FOUNDATION EXTENSION, NEW CMU BLOCKS, AND NEW BRICK VENEER LAYER, REFER TO STR. DWG FOR DETAILS.
17. G.C TO REMOVE EXISTING VCT FLOORING SYSTEM WITH ASBESTOS MASTIC (UNDERLAYMENT TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH INDUSTRIAL CODE RULE 56, PREP FOR NEW VCT FLOORING, REFER TO DWG A1.03 ABATEMENT PLAN FOR EXACT LOCATION .
18. G.C. TO VERIFY THE LOCATION OF EXISTING STRUCTURAL BEAMS ON SITE BEFORE SAWCUTTING THE ROOFING SYSTEM AND SLABS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN WRITING PRIOR TO START OF WORK.
19. G.C TO SAW CUT DENOTED PORTION OF EXISTING FOUNDATION WALL AND FOOTING AND PART OF PIPE TUNNEL SLAB TO INSTALL THE ELEVATOR PIT FOUNDATION, REFER TO STRUCTURAL DWG FOR DETAILS
20. G.C. TO CUT EXISTING BRICK VENEER AND CMU WALLS, TOOTING IN THE EDGE OF THE REMAINING CMU WALL FOR NEW BULLNOSE BLOCKS; REFER TO THE ARCHITECTURAL PROPOSED DWG.
21. G.C TO SAWCUT 20" FROM INSIDE OF WALL TO ALLOW ROOM FOR NEW 19" CAVITY WALL REFER TO ARCH. DWG DOR DETAILS ON BOTH ENDS.

REV.	DATE	ITEM

NOTICE

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KEY PLAN

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE-1A

DWG TITLE: DEMOLITION PLAN AND SECTION
FOR LINK CORRIDOR "A"

DRAWING BY: AF
CHECK BY: JBR

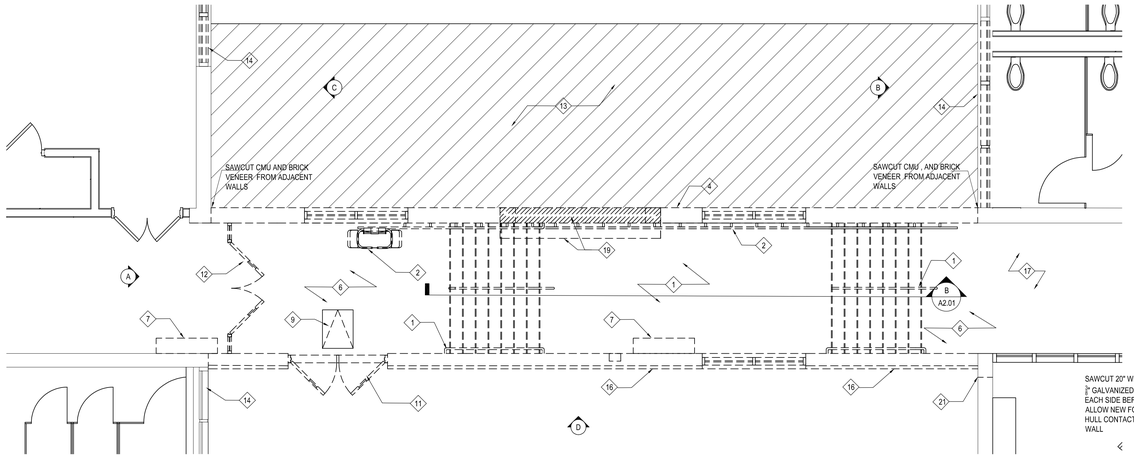
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NEW YORK 11772
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F. 631.475.0361
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NEW YORK 12203
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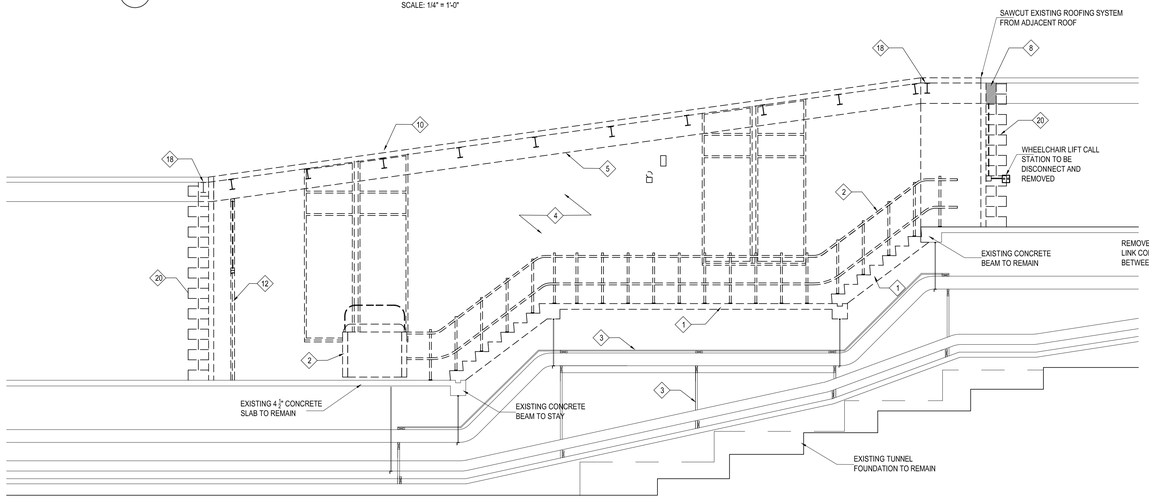
SED No. 13-22-01-04-0-008-016
DISTRICT MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT MILLBROOK MIDDLE SCHOOL BOND PH#1A
DWG TITLE DEMOLITION PLAN AND SECTION FOR LINK CORRIDOR "A"
SCALE: AS NOTED
DATE: NOVEMBER 2025
BID PICK-UP: 05/18/2026
FILE No: 25-237

A1.02



2 LINK CORRIDOR "B" DEMOLISTION PLAN

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



4 LONGITUDINAL SECTION "B"

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



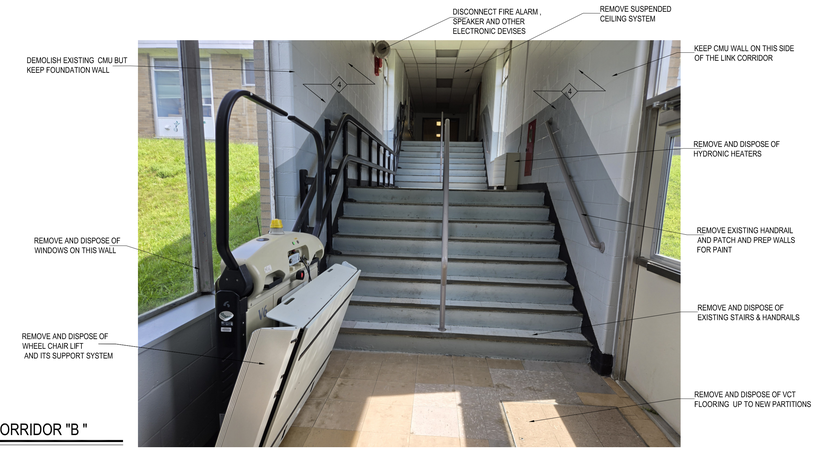
B CORRIDOR EXTENSION SIDE (NORTH)

N.T.S.



C CORRIDOR EXTENSION SIDE (SOUTH)

N.T.S.



LINK CORRIDOR "B "

NOTES:

A LINK CORRIDOR "B" INTERIOR

N.T.S.



D OPPOSITE SIDE OF THE CORRIDOR EXTENSION

N.T.S.

DEMOLITION SYMBOL LEGEND

SYMBOL	DESCRIPTION
	EXISTING CONSTRUCTION TO BE REMOVED (PATCH ALL REMAINING SURFACES IF INDICATE)
	INDICATE SAW-CUT LINE FOR WALLS , ROOF & FOUNDATION
X	KEYED NOTE
# AX.XX	DETAIL TAG DETAIL NUMBER DRAWING NUMBER
XX XX.XX	SECTION / ELEVATION TAG DETAIL NUMBER DRAWING NUMBER
	INDICATE BUILDING EXTENSION LIMIT
	REVISION CLOUD AND KEYED DESIGNATION. REFER TO DRAWING TITLEBLOCK FOR ADDITIONAL INFORMATION.

GENEREAL DEMOLITION and REMOVAL NOTES

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVALS, UNLESS NOTED OTHERWISE. MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS SHALL BE RESPONSIBLE FOR ALL DISCONNECTS. G.C. TO COORDINATE DEMOLITION WITH M.C., P.C., AND E.C. REFER TO M.E.P. SERIES DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION AND DEMOLITION SCOPE BY GENERAL CONTRACTOR NOT SHOWN THIS DRAWING. TYPICAL FOR ALL AREAS OF INTERIOR DEMOLITION AND / OR RECONSTRUCTION.
2. ALL OPENINGS IN EXISTING INTERIOR AND EXTERIOR WALLS SHALL BE PATCHED AS REQUIRED AND MASONRY TOOTHED-IN TO MATCH ADJACENT.
3. G.C. SHALL PATCH, REPLACE, OR REPAIR DAMAGE CAUSED TO EXIST. FLOOR, WALLS, ROOF, ETC. SHOWN TO REMAIN AS A RESULT OF DEMOLITION TO PRIOR CONDITION OR MATCH ADJACENT NEW CONSTRUCTION.
4. G.C. SHALL VERIFY ALL REMOVALS W/ OWNERS REPRESENTATIVE/OWNER, AND M.C., P.C., OR E.C. PRIOR TO COMMENCEMENT.
5. NOTED WALL REMOVALS SHALL INCLUDE ALL DOORS, WINDOWS AND FRAMES WHERE SHOWN.

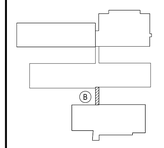
DEMOLITION NOTES

1. G.C TO REMOVE AND DISPOSE OF CONCRETE STAIRS IN ITS ENTIRETY INCLUDING HANDRAILS AND INTERMEDIATE LANDING, AFTER SAWCUT STAIRS FROM EXISTING BEAMS AT THE TOP AND BOTTOM LANDINGS AS WELL AS SIDE WALLS (SEE HATCH DENOTED AREA). G.C. TO COORDINATE WITH M.C. & E.C. TO DISCONNECT HEATING RADIATORS ON INTERMEDIATE LANDING BEFORE START WORK.
2. G.C DISMANTLE AND DISPOSE OF WHEELCHAIR LIFT ENTIRELY INCLUDING ANY WALL OR FLOOR ANCHORS , COORDINATE WITH E.C. TO DISCONNECT POWER FROM CALLING STATIONS AND REMOVE THEM PATCH ALL HOLES AND PREP WALLS FOR PAINT.
3. G.C TO PROTECT AND SUPPORT TEMPORARILY FROM BELOW EXISTING PIPES BELOW THE STAIRS DURING CONSTRUCTION BEFORE BEGINNING OF WORK.
4. G.C TO REMOVE AND DISPOSE OF EXISTING EXTERIOR WALLS ABOVE FLOOR SLAB ON BOTH SIDES OF THE LINK CORRIDOR BETWEEN THE 2 BUILDINGS, AFTER SAWCUT FROM ADJACENT WALLS AND FOUNDATION WALL BELOW SLAB , INCLUDING CMU, BRICK , WINDOWS, DOORS , LINTELS, FLASHING ,..ETC. COORDINATE WITH E.C. TO DISCONNECT FIRE ALARMS, SPEAKERS, LIGHT FIXTURES OR ANY OTHER ELECTRONIC OR ELECTRICAL DEVICES MOUNTED ON THE WALL INSIDE OR OUTSIDE THE BUILDING.
5. G.C TO REMOVE AND DISPOSE OF EXISTING DROPPED CEILING SYSTEM IN ITS ENTIRETY TO ACCOMMODATE NEW CEILING, COORDINATE WITH E.C. TO DISCONNECT AND REMOVE ALL ELECTRONIC DEVICES , DETECTORS, LIGHT FIXTURE, ALARMS, ..ETC AND PROTECT THEM TO BE REINSTALLED.
6. G.C TO REMOVE AND DISPOSE OF EXISTING VCT FLOOR TILES AND COVE BASE IN THE LINK CORRIDOR AREA , AND ALL THE WAY UP TO CONTAMINATED AREAS PREP FOR NEW VCT FLOORING.
7. M.C TO DISCONNECT EXISTING HYDRONIC HEATERS AND REMOVE AND DISPOSE THEM OF, CAP SUPPLY AND RETURN PIPES FROM THE SERVICE TUNNEL. COORDINATE WITH E.C. TO DISCONNECT THE POWER CONNECTION BEFORE START DEMOLITION. G.C. TO BLOCK SLAB PENETRATIONS PATCH AND PREP SLABCO FOR NEW FLOORING IN AREAS WHERE WE WILL KEEP EXISTING SLAB.
8. G.C.TO CUT NEW BEARING POCKETS IN EXISTING CMU WALL FOR NEW STEEL BEAMS TO SUPPORT EXISTING ROOF DECKING; NEW BEAMS MUST BE INSTALLED BEFORE ROOF DEMOLITION. CHECK STRUCTURAL DRAWINGS FOR BEAM SIZE.
9. SERVICE TUNNEL ACCESS HATCH TO REMAIN, G.C TO CLEAN, LUBRICATE, AND PREP TO RECEIVE NEW VCT TILES ON THE TOP.
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11. G.C TO REPLACE EGRESS DOOR BY NEW EXTERIOR DOOR REFER TO DOOR SCHEDULE FOR DETAILS .
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17. G.C.TO REMOVE EXISTING VCT FLOORING SYSTEM WITH ASBESTOS MASTIC /UNDERLAYMENT TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH INDUSTRIAL CODE RULE 56, PREP FOR NEW VCT FLOORING, REFER TO DWG A1.03 ABATEMENT PLAN FOR EXACT LOCATION .
18. G.C. TO VERIFY THE LOCATION OF EXISTING STRUCTURAL BEAMS ON SITE BEFORE SAWCUTTING THE ROOFING SYSTEM, AND SLABS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN WRITING PRIOR TO START OF WORK.
19. G.C TO SAW CUT DENOTED PORTION OF EXISTING FOUNDATION WALL AND FOOTING AND PART OF PIPE TUNNEL SLAB TO INSTALL THE ELEVATOR PIT FOUNDATION, REFER TO STRUCTURAL DWG FOR DETAILS
20. G.C. TO CUT EXISTING BRICK VENEER AND CMU WALLS, TOOTING THE END OF REMAINING WALL FOR NEW BULLNOSE BLOCKS; REFER TO THE ARCHITECTURAL PROPOSED DWG.
21. G.C.TO SAWCUT 20" FROM INSIDE OF WALL TO ALLOW ROOM FOR NEW 19" CAVITY WALL REFER TO ARCH. DWG DOR DETAILS ON BOTH ENDS.

REV.	DATE	ITEM

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MILLBROOK CENTRAL SCHOOL DISTRICT
MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE-1A

PROJECT

DEMOLITION PLAN AND SECTION FOR LINK CORRIDOR "B"

DWG TITLE

DRAWING BY: AF
CHECK BY: JBR

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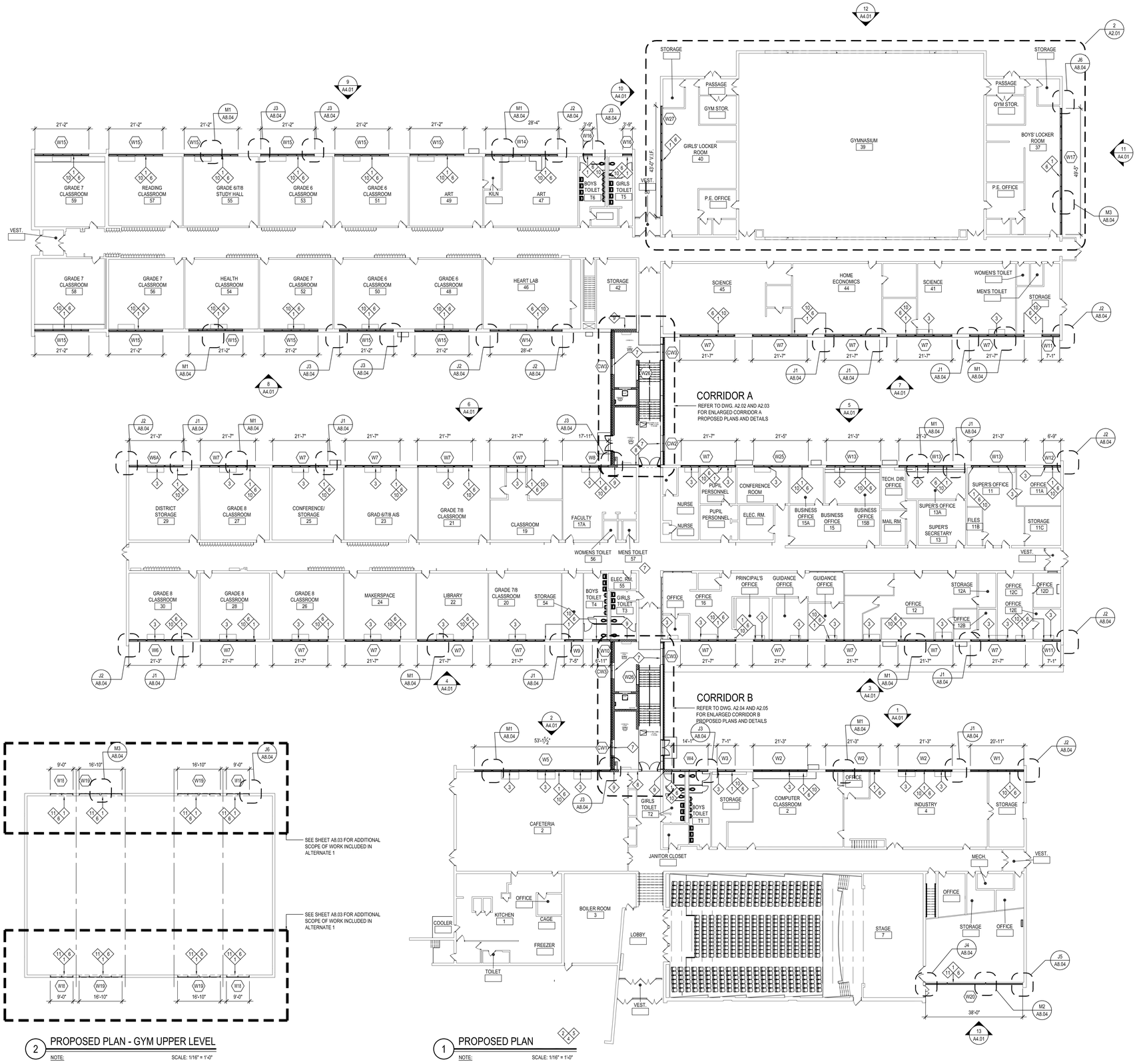
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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	MILLBROOK MIDDLE SCHOOL BOND PHB1A
DWG TITLE	DEMOLITION PLAN AND SECTION FOR LINK CORRIDOR "B"
SCALE:	AS NOTED
DATE:	NOVEMBER 2025
BID PICK-UP:	05/18/2026
FILE No:	25-237

A1.03



2 PROPOSED PLAN - GYM UPPER LEVEL

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

1 PROPOSED PLAN

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

DEMOLITION SYMBOL LEGEND

SYMBOL	DESCRIPTION
	EXISTING CONSTRUCTION TO BE REMOVED (PATCH ALL REMAINING SURFACES)
	EXISTING CEILING ABOVE, AND ALL INSTALLED DEVICES TO BE REMOVED TO ALLOW FOR WINDOW REPLACEMENT.
X	KEYED NOTE
# / AX.XX	DETAIL TAG DETAIL NUMBER DRAWING NUMBER
XX / XX.XX	SECTION / ELEVATION TAG DETAIL NUMBER DRAWING NUMBER
XXXX / XXX / XXX SF	ROOM TAG ROOM NAME ROOM NUMBER ROOM AREA
1	REVISION CLOUD AND KEYED DESIGNATION. REFER TO DRAWING TITLEBLOCK FOR ADDITIONAL INFORMATION.
	EXTERIOR WALL MOUNTED MECHANICAL UNIT TO REMAIN
WX	WINDOW DESIGNATION
XX	DENOTES INTERIOR PARTITION TYPE - REFER TO PARTITION TYPES FOR ADDITIONAL INFORMATION.

GENERAL CONSTRUCTION NOTES

1. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING AND PROCEEDING WITH WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN WRITING PRIOR TO START OF WORK.
2. IN ACCORDANCE WITH STATE AND LOCAL CODES, THE REQUIRED EXITS IN THE EXISTING BUILDING MUST BE KEPT CLEAR, MAINTAINED AND PROTECTED DURING THE CONSTRUCTION PERIOD.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS REQUIRED FOR ESTIMATING.
4. ALL WORK AND MATERIAL OF THIS PROJECT AND ADJACENT SURFACES SHALL BE PROTECTED FROM DAMAGE. IN THE EVENT OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENT NECESSARY TO THE APPROVAL OF THE ARCHITECT AND OWNER AND AT NO ADDITIONAL COST TO OWNER.
5. CONTRACTOR SHALL PROTECT ALL AREAS OF WORK FROM INCLEMENT WEATHER DURING AND AT THE END OF DAILY WORK OPERATIONS.
6. ALL PROJECT WASTE MATERIAL AND RUBBISH SHALL BE DISPOSED IN CONTAINERS PROVIDED BY THE CONTRACTOR FOR SUBSEQUENT LEGAL OFF-SITE DISPOSAL. CONTAINER LOCATION TO BE COORDINATED WITH THE OWNER & CONSTRUCTION MANAGER. OFF-SITE DISPOSAL TO BE ON A REGULAR BASIS.
7. ALL INTERIOR SURFACES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED TO MATCH EXISTING CONDITIONS TO THE APPROVAL OF THE ARCHITECT AND OWNER.
8. ALL DEBRIS, DUST AND DIRT CAUSED BY WORK OF THIS CONTRACT SHALL BE REMOVED FROM SITE BY APPROPRIATE MEANS. RESTORE ALL CONDITIONS TO THE STATE OF CLEANLINESS THAT EXISTED PRIOR TO COMMENCEMENT OF WORK.
9. ALL DEMOLITION AND CONSTRUCTION WORK TO BE PERFORMED WITHOUT INTERRUPTION OF OWNER OPERATIONS. IF INTERRUPTION IS NECESSARY, WORK MUST NOT PROCEED UNTIL WRITTEN APPROVAL HAS BEEN OBTAINED FROM OWNER.
10. ALL CONTRACTORS ARE TO COORDINATE INSTALLATION OF THEIR WORK WITH EACH OTHER AND WITH THE WORK BEING PERFORMED UNDER SEPARATE CONTRACTS BY OTHERS AND WORK PERFORMED BY THE OWNER'S VENDOR(S).
11. REFER TO CONSTRUCTION IMPLEMENTATION PLANS AND CONSTRUCTION SPECIAL PROVISIONS (PREPARED BY OTHERS, IF APPLICABLE) FOR ALL REQUIREMENTS FOR TEMPORARY CONSTRUCTION.

CONSTRUCTION KEY NOTES

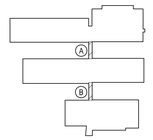
(REFER TO THE TESTING REPORTS PRIOR TO ANY REMOVALS).

1. W.C. TO SUPPLY AND INSTALL NEW WINDOW SYSTEM TO REPLACE EXISTING WINDOWS, REFER TO DWG A8.00 SERIES FOR ELEVATIONS AND DETAILS. CONTRACTOR MUST INSTALL NEW WOOD BLOCKING, ALUMINUM BREAK META, FLASHING, SILLS, CAULKING AND OTHER ACCESSORIES AS NEEDED FOR EACH WINDOW.
2. E.C. TO REINSTALL OR RELOCATE ELECTRICAL OUTLETS THAT HAVE BEEN REMOVED TO EASE WINDOW REPLACEMENT. VERIFY WITH THE OWNER ON-SITE AND COORDINATE WITH G.C.
3. M.C. TO INSTALL NEW VENTILATION GRILLES IN NEW WINDOW PANELS. COORDINATE WITH G.C. FOR LOCATION AND SIZE. CONTRACTOR MUST VERIFY THE SIZE OF EACH GRILLE ON SITE BEFORE PLACING THE ORDER OR CUTTING THE WINDOW PANELS. FINISH COLOR DO MATCH WINDOW FRAME COLORS.
4. G.C. TO REINSTALL REMOVED CEILING TILES AND GRID AFTER FINISHING INSTALLATION OF ALL NEW WINDOWS AS SHOWN ON PLAN.
5. ALL WOOD BLOCKING USED ON THE EXTERIOR OF THE BUILDING MUST BE PRESSURE-TREATED; REFER TO SPECIFICATIONS.
6. G.C. TO SUPPLY AND INSTALL NEW WINDOW SHADES IN ROOMS WHICH HAD SHADES REMOVED. WALL OR CEILING MOUNT AS REQUIRED. CONTRACTOR TO VERIFY ON SITE AND SUBMIT SAMPLE FOR APPROVAL.
7. CONTRACTOR TO SUPPLY AND INSTALL NEW FULL HEIGHT WINDOW IN NEW LINK CORRIDORS. REFER TO DWG A2.00 & A8.00 SERIES FOR DETAILS AND WINDOW DIMENSIONS.
8. W.C. TO SUPPLY AND INSTALL NEW CLEARSTORY WINDOW ON SOUTH WALLS OF EACH LINK CORRIDORS. REFER TO DWG A8.00 SERIES FOR DETAILS.
9. G.C. TO BLOCK UP WINDOW OPENINGS THAT WILL BE AFFECTED BY THE BUILDING EXTENSION WITH CMU AND BRICK TO MATCH EXISTING WALL CONSTRUCTION, AND PREP FOR PAINTING. INFILL MUST BE FLUSH AND ALIGNED WITH THE ADJACENT WALLS.
10. G.C. MUST VERIFY ALL WINDOWS DIMENSIONS ON SITE AND NOTIFY THE ARCHITECT OF ANY CHANGES, SUBMIT SHOP DRAWINGS FOR THE ARCHITECT APPROVAL BEFORE PLACING THE ORDER.
11. G.C. TO SUPPLY AND INSTALL NEW WINDOW SHADES, WALL OR CEILING MOUNT AS REQUIRED CONTRACTOR TO VERIFY ON SITE AND SUBMIT SAMPLE FOR APPROVAL.

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

PROJECT

PROPOSED PLAN

DWG TITLE

DRAWING BY: EN

CHECK BY: ---

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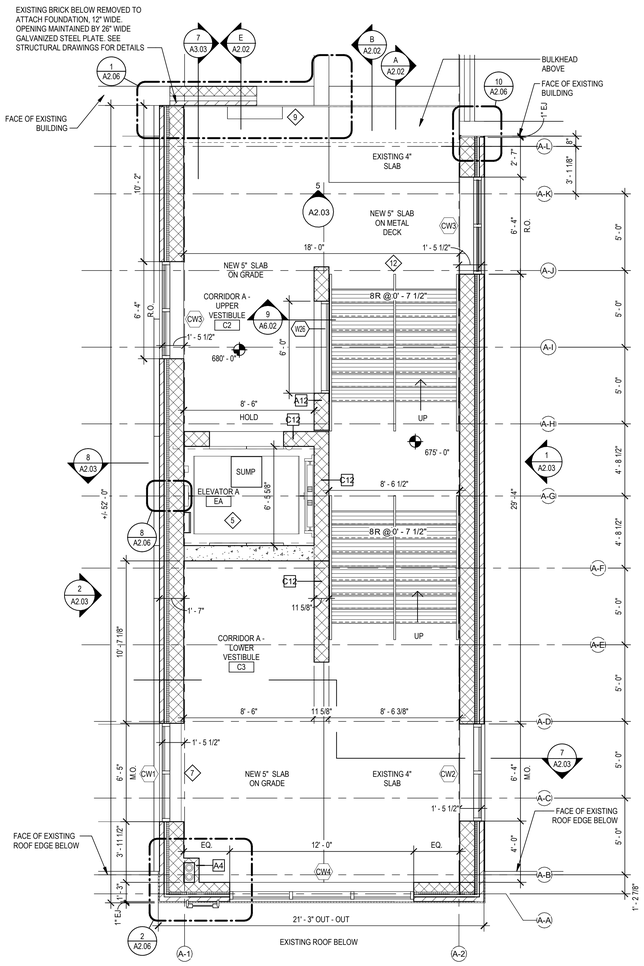
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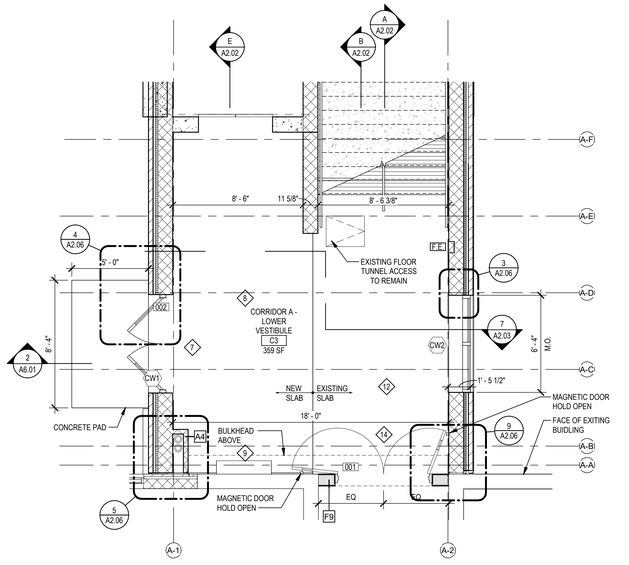
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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	PROPOSED PLAN
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

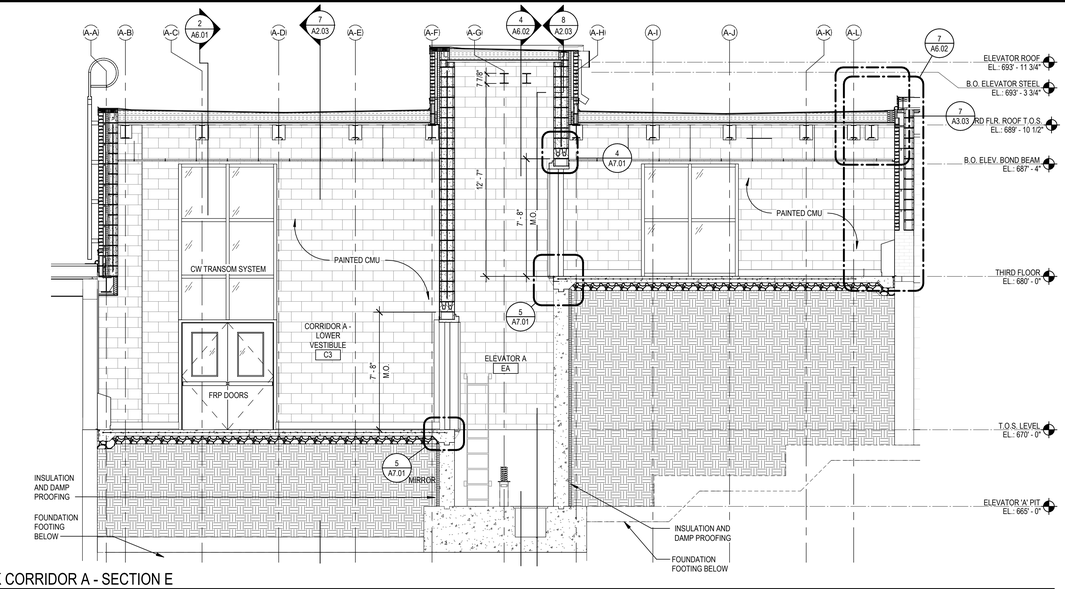
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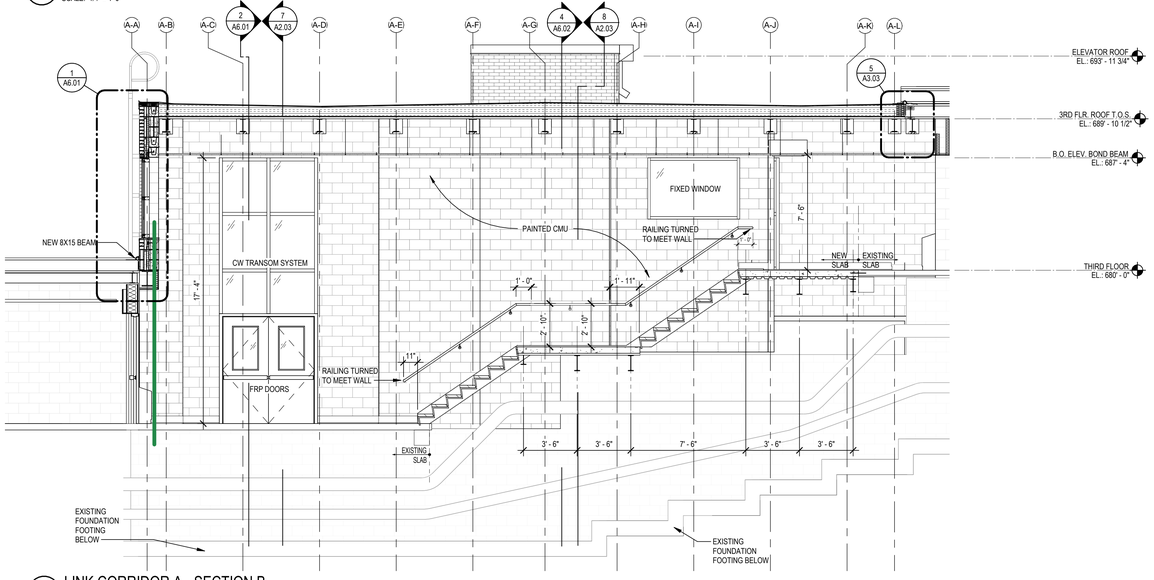
2 LINK CORRIDOR A UPPER VESTIBULE
SCALE: 1/4" = 1'-0"



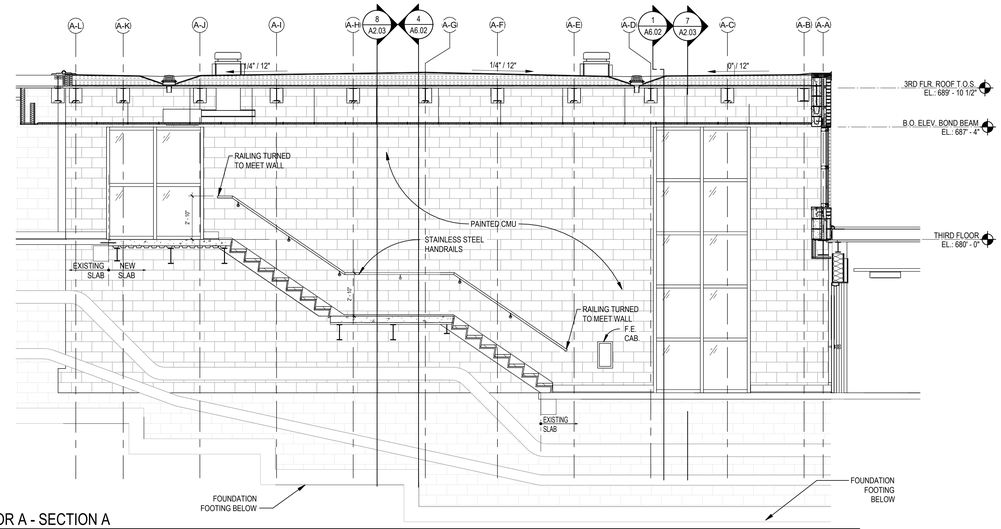
1 LINK CORRIDOR A LOWER VESTIBULE
SCALE: 1/4" = 1'-0"



E LINK CORRIDOR A - SECTION E
SCALE: 1/4" = 1'-0"



B LINK CORRIDOR A - SECTION B
SCALE: 1/4" = 1'-0"



A LINK CORRIDOR A - SECTION A
SCALE: 1/4" = 1'-0"

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SYMBOL LEGEND

SYMBOL	DESCRIPTION
101	DOOR NUMBER
E	WINDOW DESIGNATION
# / AX.XX	DETAIL TAG DETAIL NUMBER DRAWING NUMBER
XX / AX.XX	SECTION / ELEVATION TAG DETAIL NUMBER DRAWING NUMBER
E.J.	DENOTES LOCATION OF FULL BUILDING EXPANSION JOINT. PROVIDE APPROPRIATE INTERIOR FLOOR, WALL AND CEILING EXPANSION JOINT COVERS, WHERE APPLICABLE. PROVIDE VERTICAL JOINT BY 'EMSEAL' OR EQUAL AT EXTERIOR, WHERE APPLICABLE.
	ELEVATION DATUM
XX	INTERIOR PARTITION TYPE - REFER TO PARTITION TYPES FOR ADDITIONAL INFORMATION.
F.E.	LOCATION OF NEW OR EXISTING FIRE EXTINGUISHER CABINET.
H.B.	LOCATION AND DESIGNATION OF NEW LINTEL.
1	REVISION CLOUD AND KEYED DESIGNATION. REFER TO DRAWING TITLEBLOCK FOR ADDITIONAL INFORMATION.
	NEW CMU WALL (ELEVATION) CONSTRUCTION
	NEW CMU WALL (PLAN) CONSTRUCTION
	2 - HOUR FIREWALL CONSTRUCTION
	BRICK VENEER CONSTRUCTION

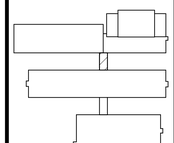
CONSTRUCTION NOTES

1. G.C TO BUILD TEMPORARY PROTECTION PLATFORM TO PROTECT EXISTING PIPES DURING CONSTRUCTION .
2. NEW REINFORCING 12 " CONCRETE BLOCK WALL INSTALLED ON TOP OF EXISTING FOUNDATION WALL WITH REQUIRED ANCHORS REFER TO STRUCTURAL PLANS FORDETAILS.
3. NEW CONCRETE-FILLED METAL PAN STAIRS ANCHORED TO EXISTING BEAMS REFER TO STAIRS DWG FOR DETAILS.
4. G.C. TO BUILD PLUMB HOISTWAY WITH VARIATION NOT TO EXCEED +1" USING REINFORCED CONCRETE BLOCKS AS SHOWN ON THE PLAN, MAINTAIN REQUIRED CLEARANCE AS REQUESTED BY THE ELEVATOR MANUFACTURER.
5. THE G.C SHALL SUPPLY AND INSTALL NEW MACHINE ROOM- LESS TRACTION ELEVATOR AS SCHINDLER 3100 MRL - LOAD CAPACITY 2500 lbs WITH FRONT AND REAR DOOR OPENINGS AS SHOWN ON PLAN, CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR THE ARCHITECT APPROVAL.
6. THE G.C TO SUPPLY AND INSTALL OVERHEAD HOIST BEAMS, EACH BEAM SHALL BE CAPABLE OF WITHSTANDING A MINIMUM LIVE LOAD OF 7500 lbs, REFER TO STRUCTURAL DWG FOR BEARING DETAIL AND LOCATION.
7. G.C. TO SUPPLY AND INSTALL A NEW STOREFRONT SYSTEM FOR THE NEW EGRESS DOOR WITH TRANSOM UP TO THE UNDERSIDE OF SUSPENDED CEILING TILES, AS KAWNEER TRIFAB 451T OR APPROVED EQUAL, WITH FINISHING AND GLASS COLOR TO MATCH NEW WINDOWS. REFER TO THE WINDOW SHEET FOR FINISHING INFORMATION.
8. CONTRACTOR TO INSTALL NEW REINFORCED CONCRETE SLAB ON GRADE FOR THE BUILDING EXTENSION IN FRONT OF THE ELEVATOR DOORS. SLAB EXTENSION ON UPPER LANDING OF THE TUNNEL CEILING WILL BE METAL DECKING FILLED WITH CONCRETE SUPPORTED BY STEEL BEAMS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
9. M.C. TO INSTALL NEW FLOOR-MOUNT HEATERS AS SHOWN ON PLAN; COORDINATE WITH G.C. FOR NEW SLAB PENETRATIONS; ANY CORE DRILLING REQUIRED IN EXISTING FOUNDATION WALLS OR SLABS MUST BE CARRIED OUT BY M.C.
10. E.C TO COORDINATE WITH REINSTALL FIRE ALARM AND PULL STATIONS ON NEW WALL AND COORDINATE WITH G.C. FOR PENETRATION OF NEW CONDUITS FOR HEATERS , ALARM SYSTEM , CEILING HEATERS , AND ETC., ANY CORE DRILLING IN EXISTING FOUNDATION WALLS OR SLABS MUST BE CARRIED OUT BY E.C.
11. E.C. MUST COORDINATE WITH G.C. FOR ALL ELECTRICAL CONNECTIONS REQUIRED IN THE ELEVATOR PIT , AND COORDINATE WITH M.C. FOR THE SUMP PUMP POWER CONNECTIONS.
12. NEW VCT FINISH FLOORING OVER ENTIRE FLOOR SURFACE IN THE LINK CORRIDOR AND STAIRS WITH 6" PERIMETER RUBBER COVE BASE COLOR BLACK OR OTHER COLORS APPROVED BY SCHOOL DISTRICT.
13. G.C TO PATCH AND PREP EXISTING CMU WALLS FOR PAINT.
14. G.C TO SUPPLY AND INSTALL NEW 36"X84" SOLID CORE DOOR (20 MIN. RATED) WITH VISION LITE IN HOLLOW METAL FRAME. REFER TO DOOR SCHEDULE FOR MATERIAL AND GLAZING TYPE .
15. NEW 60"x48" FIXED WINDOW SUPPLIED AND INSTALLED BY G.C.
16. NEW FULLY RECESSED FIRE EXTINGUISHER CABINET IN CORRIDOR 'A' SUPPLIED AND INSTALLED BY G.C. EXISTING FIRE EXTINGUISHER CABINET TO REMAIN IN CORRIDOR 'B'.

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

PROJECT
MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

DWG TITLE
LINK CORRIDOR 'A' PROPOSED FLOOR PLAN

DRAWING BY: R.L.S.
CHECKED BY: K.G.

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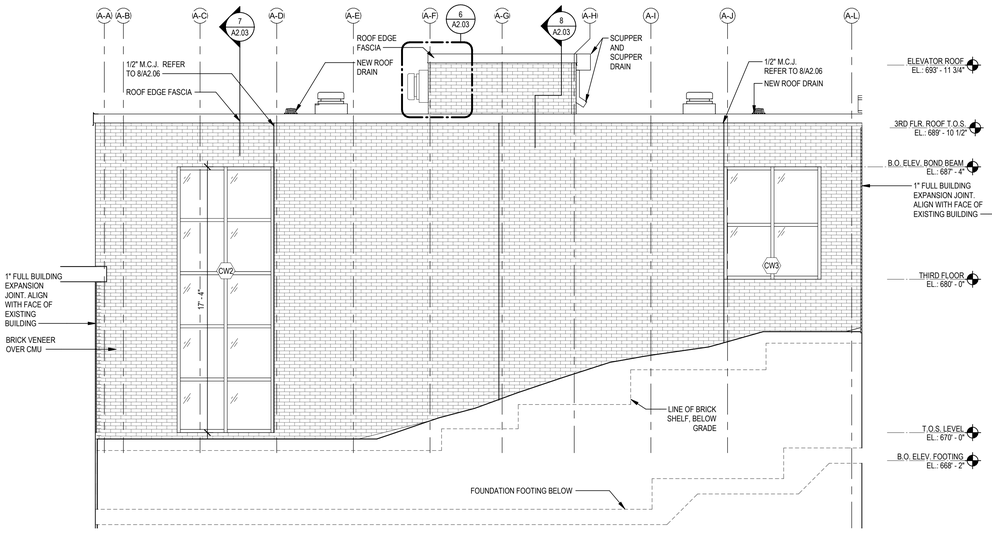
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PATCHOGUE
NEW YORK 11772
T. 631.475.0349
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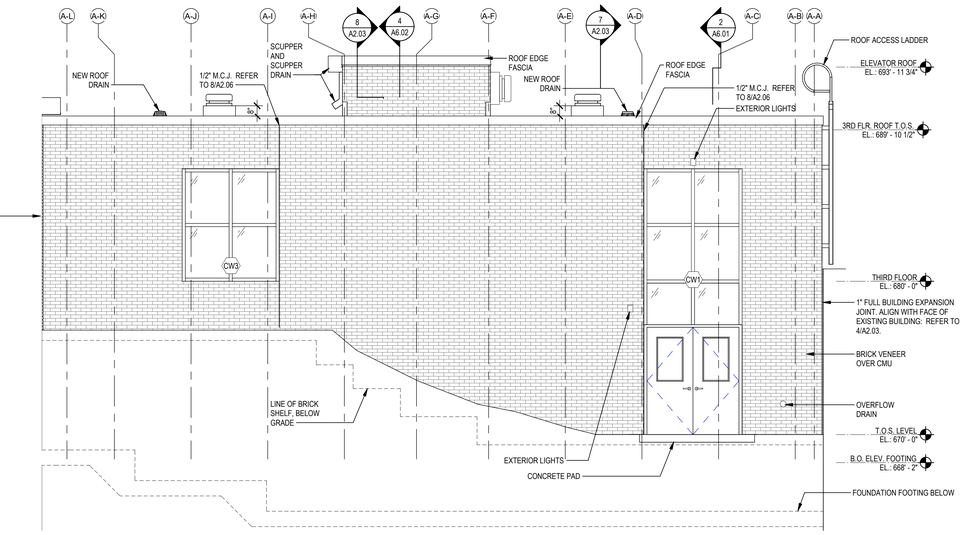
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DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE	LINK CORRIDOR 'A' PROPOSED FLOOR PLAN
SCALE:	AS NOTED
DATE:	1/21/2026
BID PICK UP:	5/18/2026
FILE No.	25-237

A2.02



1 CORRIDOR A - NORTH ELEVATION

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



2 CORRIDOR A - SOUTH ELEVATION

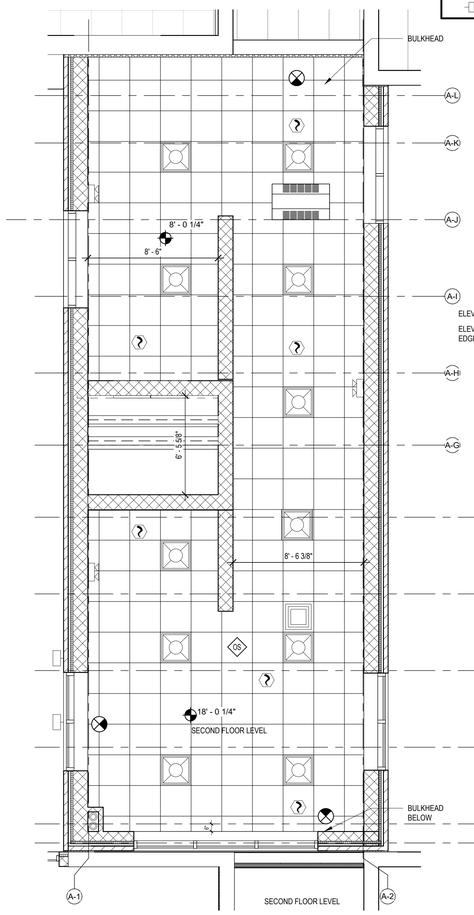
SCALE: 1/4" = 1'-0"

TYPICAL REFLECTED CEILING PLAN NOTES

1. CEILING PLANS MAY NOT INDICATE ALL MECHANICAL AND / OR ELECTRICAL CEILING MOUNTED ITEMS. REFER TO M - SERIES AND E - SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
2. ACOUSTICAL CEILINGS SHALL HAVE A FLAME SPREAD OF 25 OR LESS COMPLYING WITH 'ASTM E-84'; SMOKE DEVELOPED RATING OF 50 OR LESS COMPLYING WITH PERFORMANCE REQUIREMENTS AND PHYSICAL CHARACTERISTICS OF THE SPECIFIED CEILINGS AS INDICATED IN THE REFLECTED CEILING PLAN. (ASTM E-1264)
3. ACOUSTICAL CEILINGS SHALL HAVE A MINIMUM NOISE REDUCTION COEFFICIENT (NRC) RATING OF 0.65.

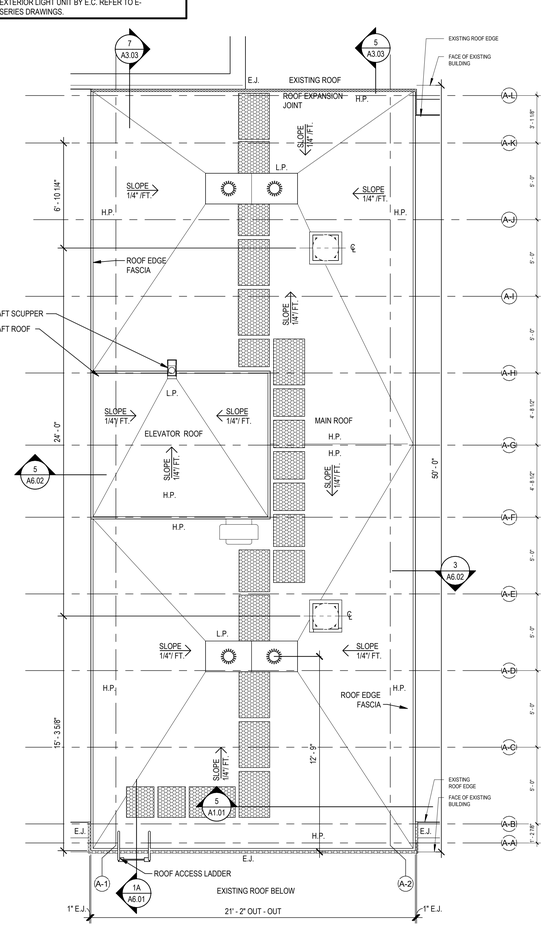
SYMBOL LEGEND

SYMBOL	DESCRIPTION		
SLOPE	INDICATES ROOF SLOPE		
H.P.	HIGH POINT	L.P.	LOW POINT
	SMOKE/ HEAT DETECTORS BY E.C. REFER TO E-SERIES DRAWINGS.		
	EXIT SIGN BY E.C. REFER TO E-SERIES DRAWINGS		
DS	OCCUPANCY SENSOR BY E.C. REFER TO E-SERIES DRAWINGS.		
	CEILING GRILLE/ REGISTER BY M.C. REFER TO M-SERIES DRAWINGS.		
	CEILING MOUNTED CABINET HEATER BY M.C. REFER TO M-SERIES DRAWINGS.		
	EMERGENCY LIGHT UNIT BY E.C. REFER TO E-SERIES DRAWINGS.		
	EXTERIOR LIGHT UNIT BY E.C. REFER TO E-SERIES DRAWINGS.		



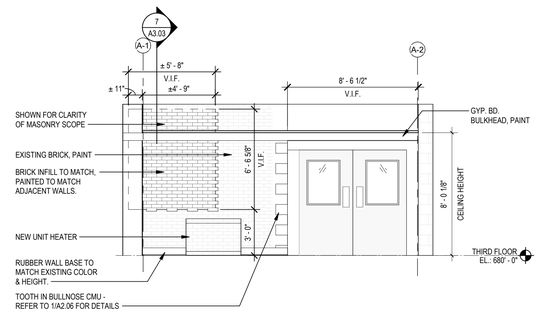
3 CORRIDOR A - REFELCTED CEILING PLAN

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



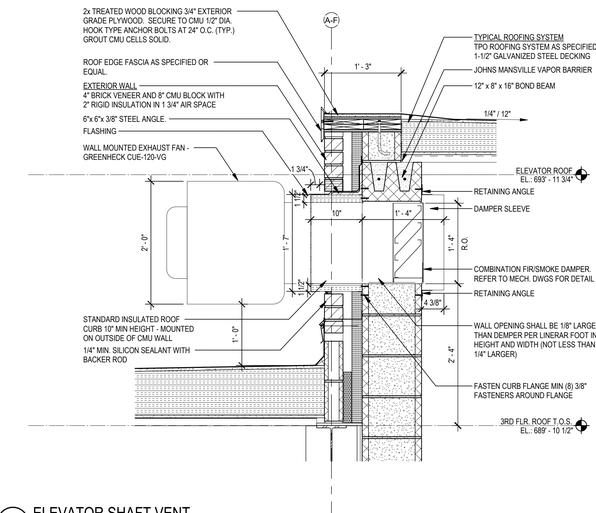
4 CORRIDOR A - ROOF PLAN

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



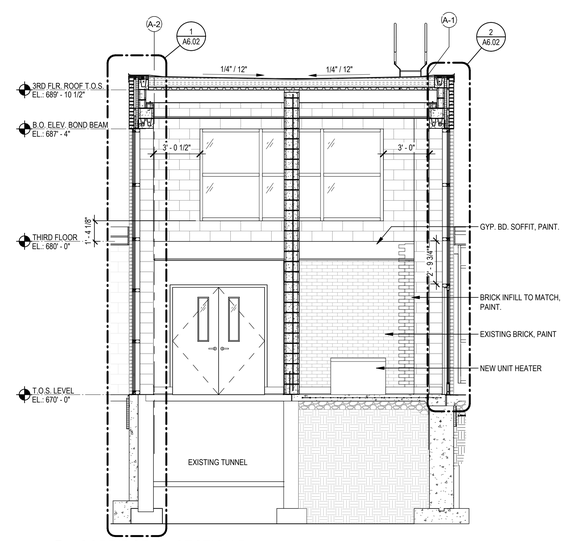
5 Elevation 8 - a

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



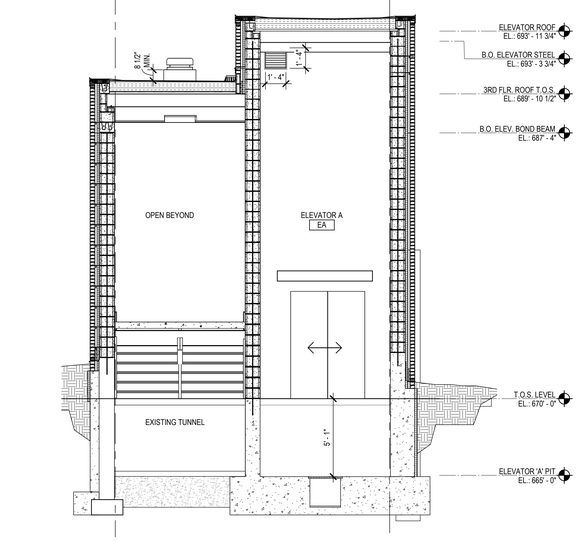
6 ELEVATOR SHAFT VENT

SCALE: 1" = 1'-0"



7 CORRIDOR A - SECTION D

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



8 CORRIDOR A - SECTION F

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

EXCAVATION NOTES

A. ASSUME 10CY ROCK REMOVAL AT LOWER CORRIDOR TO 12 ' BELOW BOTTOM OF PROPOSED FOOTING, AND REPLACEMENT WITH STRUCTURAL (ENGINEERED) FILL. FOOTINGS ARE NOT TO BE PINNED TO BEDROCK. IF FEASIBLE, ROCK REMOVAL SHOULD BE PERFORMED BY RIPPING TECHNIQUE, BUT WHATEVER METHOD IS EMPLOYED SHALL NOT DISTURB THE EXISTING BUILDING AND SHALL MINIMIZE DAMAGE TO THE BEDROCK.

B. FOUNDATION WALLS SHALL BE DAMPPROOFED WITH TROWELED ASPHALTIC MATERIAL FROM FOOTING TO GRADE.

C. EXISTING SOILS ARE MOISTURE-AND FROST SUSCEPTIBLE, AND WHEN EXPOSED, SHOULD BE PROTECTED FROM RAINWATER AND RUNOFF. ADDITIONAL COSTS FOR SOIL REPLACEMENT OR SCHEDULE DISRUPTION DUE TO LACK OF PROTECTION ARE NOT PERMISSIBLE.

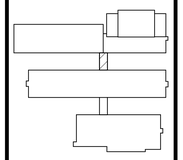
D. GROUNDWATER IS NOT EXPECTED TO BE ENCOUNTERED, BUT PERCHED WATER MAY BE PRESENT IN SOIL STRATA. DEWATER AS REQUIRED FOR ANY PERCHED WATER.

E. COMPLETE GEOTECHNICAL REPORT IS LOCATED IN THE PROJECT MANUAL.

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

DWG TITLE: LINK CORRIDOR 'A'

DRAWING BY: R.L.S.

CHECKED BY: K.G.

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SED No: 13-22-01-04-0-008-016

DISTRICT: MILLBROOK CENTRAL SCHOOL DISTRICT

PROJECT: BOND PHASE 1A MILLBROOK MIDDLE SCHOOL

DWG TITLE: LINK CORRIDOR 'A'

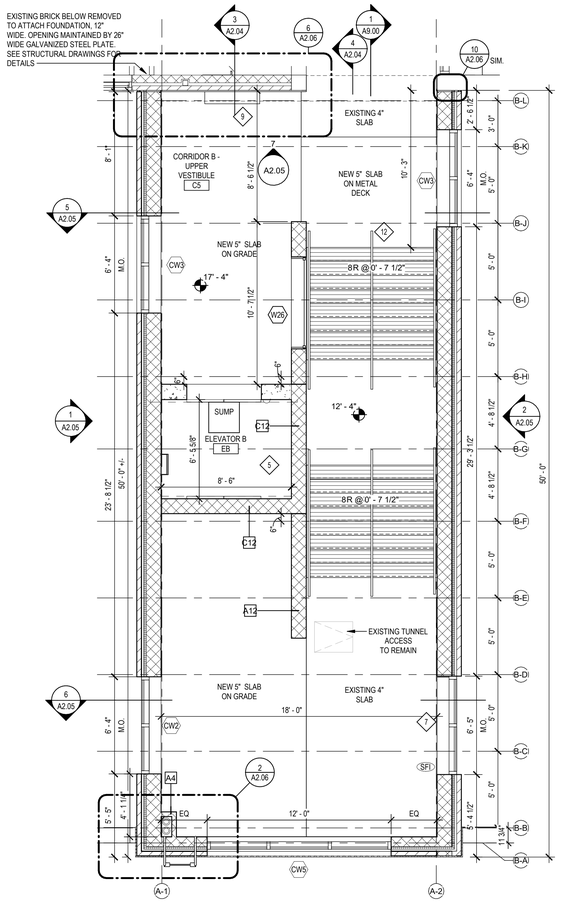
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DATE: 1/21/2026

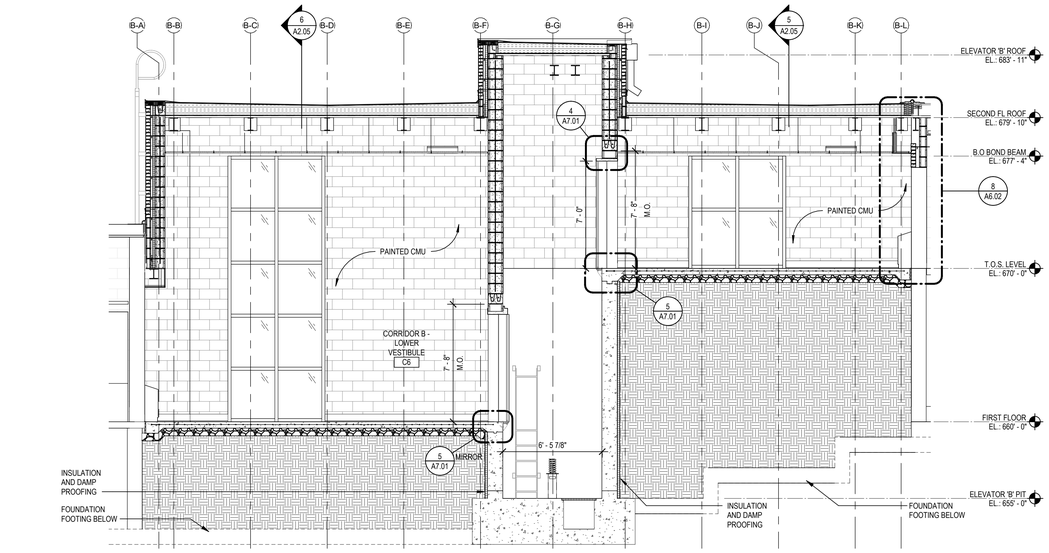
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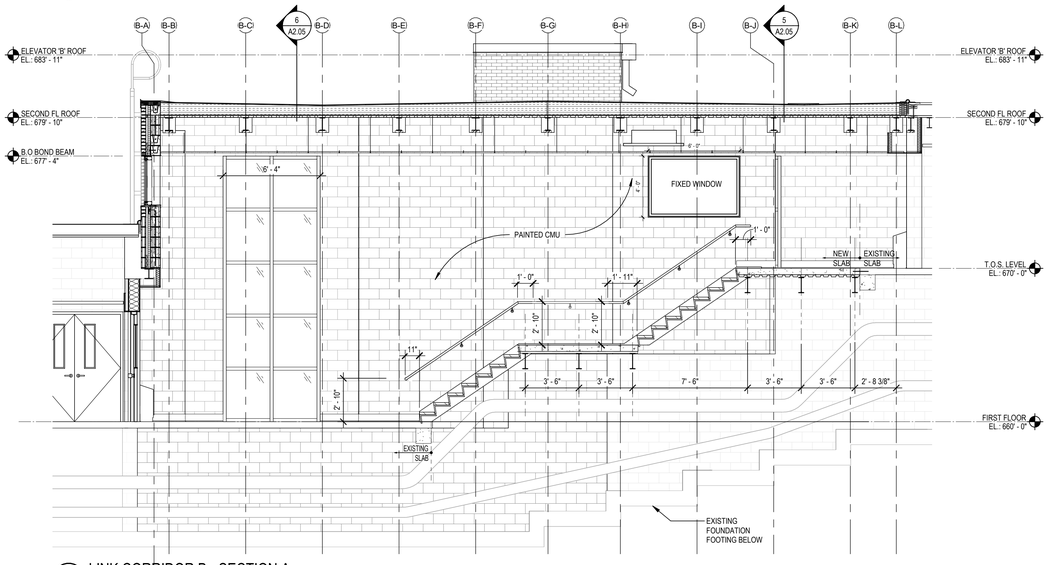
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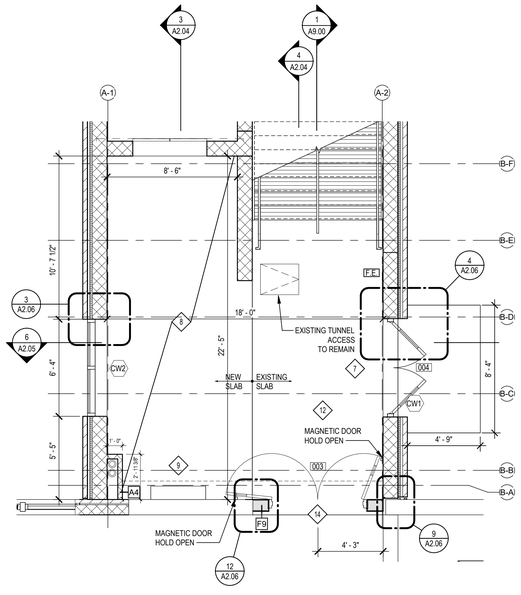
1 CORRIDOR B PLAN - UPPER VESTIBULE
SCALE: 1/4" = 1'-0"



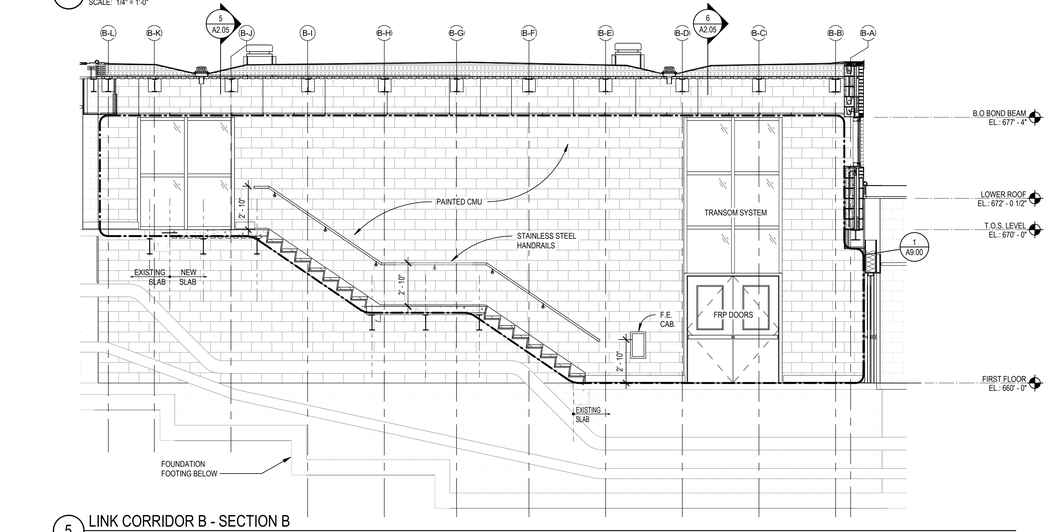
3 LINK CORRIDOR B - SECTION E
SCALE: 1/4" = 1'-0"



4 LINK CORRIDOR B - SECTION A
SCALE: 1/4" = 1'-0"



2 LINK CORRIDOR B PLAN - LOWER VESTIBULE
SCALE: 1/4" = 1'-0"



5 LINK CORRIDOR B - SECTION B
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SYMBOL LEGEND

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XX / AX.XX	SECTION / ELEVATION TAG DETAIL NUMBER DRAWING NUMBER
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	ELEVATION DATUM
XX	INTERIOR PARTITION TYPE - REFER TO PARTITION TYPES FOR ADDITIONAL INFORMATION.
F.E.	LOCATION OF NEW OR EXISTING FIRE EXTINGUISHER CABINET.
H.B.	LOCATION AND DESIGNATION OF NEW LINTEL.
1	REVISION CLOUD AND KEYED DESIGNATION. REFER TO DRAWING TITLEBLOCK FOR ADDITIONAL INFORMATION.
	NEW CMU WALL (ELEVATION) CONSTRUCTION
	NEW CMU WALL (PLAN) CONSTRUCTION
	2 - HOUR FIREWALL CONSTRUCTION
	BRICK VENEER CONSTRUCTION

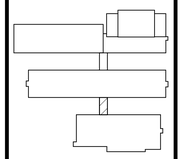
CONSTRUCTION NOTES

1. G.C TO BUILD TEMPORARY PROTECTION PLATFORM TO PROTECT EXISTING PIPES DURING CONSTRUCTION .
2. NEW REINFORCING 12 " CONCRETE BLOCK WALL INSTALLED ON TOP OF EXISTING FOUNDATION WALL WITH REQUIRED ANCHORS REFER TO STRUCTURAL PLANS FORDETAILS.
3. NEW CONCRETE-FILLED METAL PAN STAIRS ANCHORED TO EXISTING BEAMS REFER TO STAIRS DWG FOR DETAILS.
4. G.C. TO BUILD PLUMB HOISTWAY WITH VARIATION NOT TO EXCEED +1" USING REINFORCED CONCRETE BLOCKS AS SHOWN ON THE PLAN, MAINTAIN REQUIRED CLEARANCE AS REQUESTED BY THE ELEVATOR MANUFACTURER.
5. THE G.C SHALL SUPPLY AND INSTALL NEW MACHINE ROOM- LESS TRACTION ELEVATOR AS SCHINDLER 3100 MRL - LOAD CAPACITY 2500 lbs WITH FRONT AND REAR DOOR OPENINGS AS SHOWN ON PLAN, CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR THE ARCHITECT APPROVAL.
6. THE G.C TO SUPPLY AND INSTALL OVERHEAD HOIST BEAMS, EACH BEAM SHALL BE CAPABLE OF WITHSTANDING A MINIMUM LIVE LOAD OF 7500 lbs, REFER TO STRUCTURAL DWG FOR BEARING DETAIL AND LOCATION.
7. G.C. TO SUPPLY AND INSTALL A NEW STOREFRONT SYSTEM FOR THE NEW EGRESS DOOR WITH TRANSOM UP TO THE UNDERSIDE OF SUSPENDED CEILING TILES, AS KAWNEER TRIFAB 451T OR APPROVED EQUAL, WITH FINISHING AND GLASS COLOR TO MATCH NEW WINDOWS. REFER TO THE WINDOW SHEET FOR FINISHING INFORMATION.
8. CONTRACTOR TO INSTALL NEW REINFORCED CONCRETE SLAB ON GRADE FOR THE BUILDING EXTENSION IN FRONT OF THE ELEVATOR DOORS. SLAB EXTENSION ON UPPER LANDING OF THE TUNNEL CEILING WILL BE METAL DECKING FILLED WITH CONCRETE SUPPORTED BY STEEL BEAMS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
9. M.C. TO INSTALL NEW FLOOR-MOUNT HEATERS AS SHOWN ON PLAN; COORDINATE WITH G.C. FOR NEW SLAB PENETRATIONS; ANY CORE DRILLING REQUIRED IN EXISTING FOUNDATION WALLS OR SLABS MUST BE CARRIED OUT BY M.C.
10. E.C TO COORDINATE WITH REINSTALL FIRE ALARM AND PULL STATIONS ON NEW WALL AND COORDINATE WITH G.C. FOR PENETRATION OF NEW CONDUITS FOR HEATERS , ALARM SYSTEM , CEILING HEATERS , AND ETC., ANY CORE DRILLING IN EXISTING FOUNDATION WALLS OR SLABS MUST BE CARRIED OUT BY E.C.
11. E.C. MUST COORDINATE WITH G.C. FOR ALL ELECTRICAL CONNECTIONS REQUIRED IN THE ELEVATOR PIT , AND COORDINATE WITH M.C. FOR THE SUMP PUMP POWER CONNECTIONS.
12. NEW VCT FINISH FLOORING OVER ENTIRE FLOOR SURFACE IN THE LINK CORRIDOR AND STAIRS WITH 6" PERIMETER RUBBER COVE BASE COLOR BLACK OR OTHER COLORS APPROVED BY SCHOOL DISTRICT.
13. G.C TO PATCH AND PREP EXISTING CMU WALLS FOR PAINT.
14. G.C TO SUPPLY AND INSTALL NEW 36"X84" SOLID CORE DOOR (20 MIN. RATED) WITH VISION LITE IN HOLLOW METAL FRAME. REFER TO DOOR SCHEDULE FOR MATERIAL AND GLAZING TYPE .
15. NEW 60"x48" FIXED WINDOW SUPPLIED AND INSTALLED BY G.C.
16. NEW FULLY RECESSED FIRE EXTINGUISHER CABINET IN CORRIDOR 'A' SUPPLIED AND INSTALLED BY G.C. EXISTING FIRE EXTINGUISHER CABINET TO REMAIN IN CORRIDOR 'B'.

REV.	DATE	ITEM

NOTICE

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KEY PLAN
NOT TO SCALE

PROJECT
MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUTCHESS COUNTY

DWG TITLE
LINK CORRIDOR 'B' PROPOSED FLOOR PLAN

DRAWING BY: E.N.
CHECKED BY: K.G.

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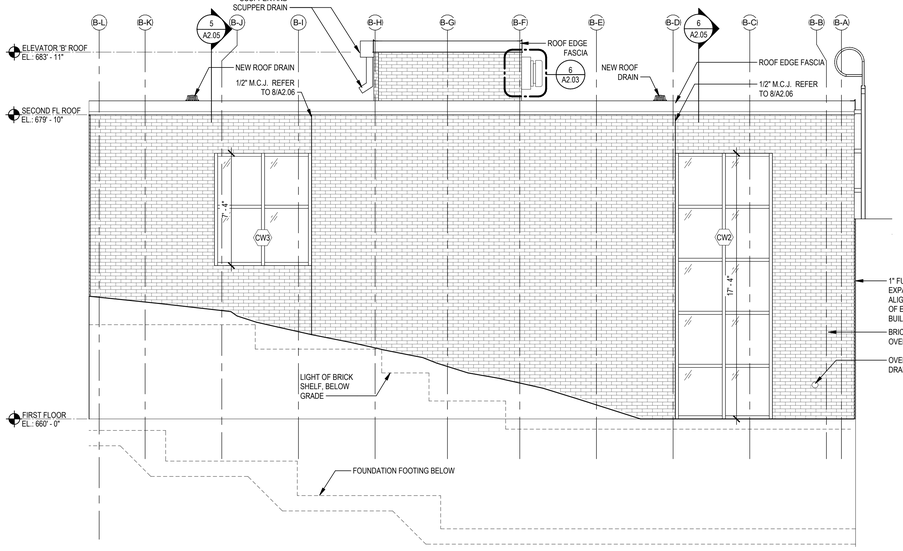
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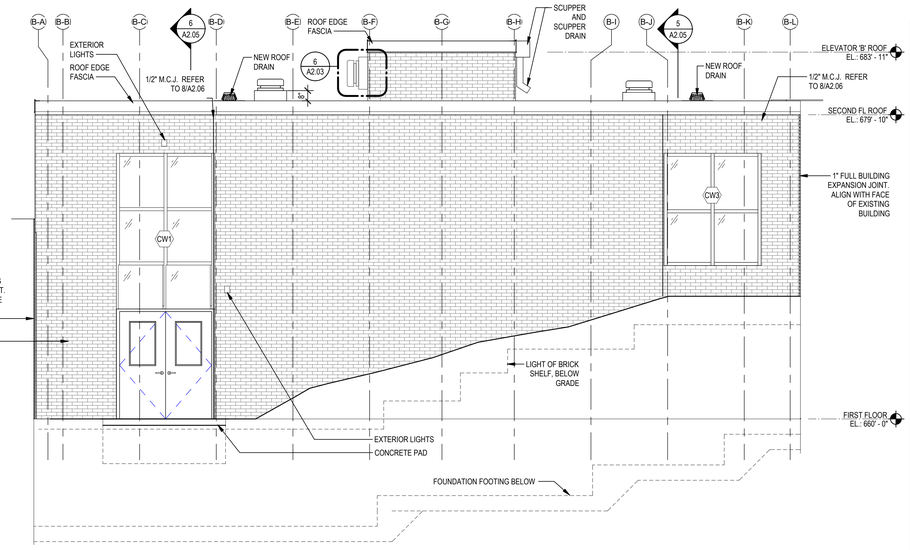
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DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE	LINK CORRIDOR 'B' PROPOSED FLOOR PLAN
SCALE:	AS NOTED
DATE:	1/21/2026
BID PICK UP:	5/18/2026
FILE No.	25-237

A2.04



1 LINK CORRIDOR B - SOUTH ELEVATION

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



2 LINK CORRIDOR B - NORTH ELEVATION

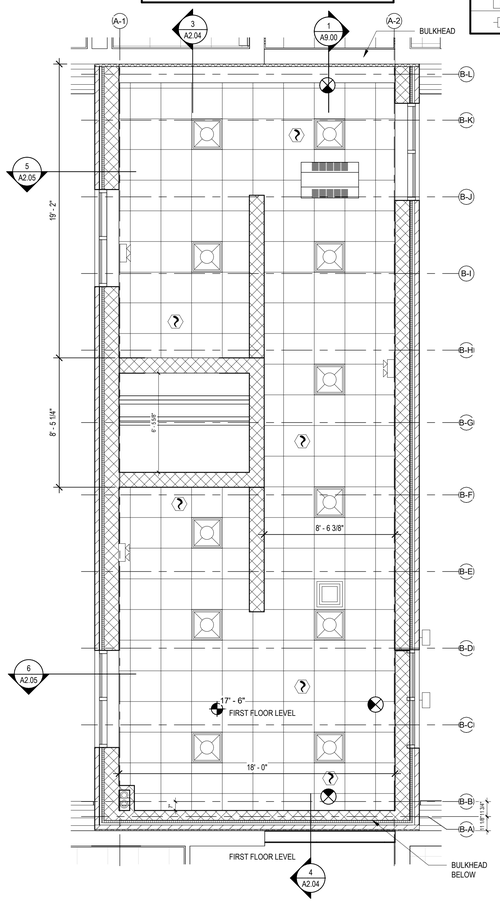
SCALE: 1/4" = 1'-0"

TYPICAL REFLECTED CEILING PLAN NOTES

1. CEILING PLANS MAY NOT INDICATE ALL MECHANICAL AND / OR ELECTRICAL CEILING MOUNTED ITEMS. REFER TO M - SERIES AND E - SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
2. ACOUSTICAL CEILINGS SHALL HAVE A FLAME SPREAD OF 25 OR LESS COMPLYING WITH ASTM E-84; SMOKE DEVELOPED RATING OF 50 OR LESS COMPLYING WITH PERFORMANCE REQUIREMENTS AND PHYSICAL CHARACTERISTICS OF THE SPECIFIED CEILINGS AS INDICATED IN THE REFLECTED CEILING PLAN. (ASTM E-1264)
3. ACOUSTICAL CEILINGS SHALL HAVE A MINIMUM NOISE REDUCTION COEFFICIENT (NRC) RATING OF 0.65.

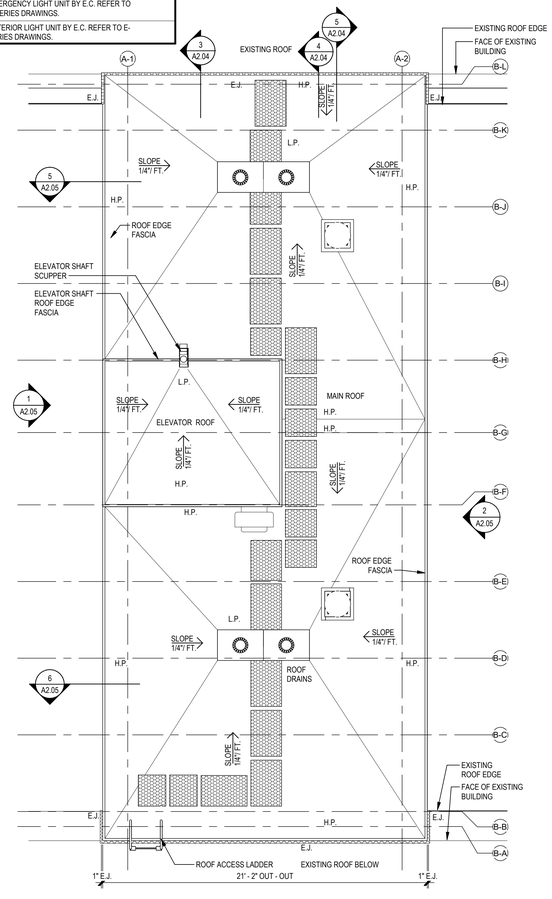
SYMBOL LEGEND

SYMBOL	DESCRIPTION		
SLOPE	INDICATES ROOF SLOPE		
H.P.	HIGH POINT	L.P.	LOW POINT
	SMOKE/ HEAT DETECTORS BY E.C. REFER TO E-SERIES DRAWINGS.		
	EXIT SIGN BY E.C. REFER TO E-SERIES DRAWINGS		
OS	OCCUPANCY SENSOR BY E.C. REFER TO E-SERIES DRAWINGS.		
	CEILING GRILLE/ REGISTER BY M.C. REFER TO M-SERIES DRAWINGS.		
	CEILING MOUNTED CABINET HEATER BY M.C. REFER TO M-SERIES DRAWINGS.		
	EMERGENCY LIGHT UNIT BY E.C. REFER TO E-SERIES DRAWINGS.		
	EXTERIOR LIGHT UNIT BY E.C. REFER TO E-SERIES DRAWINGS.		



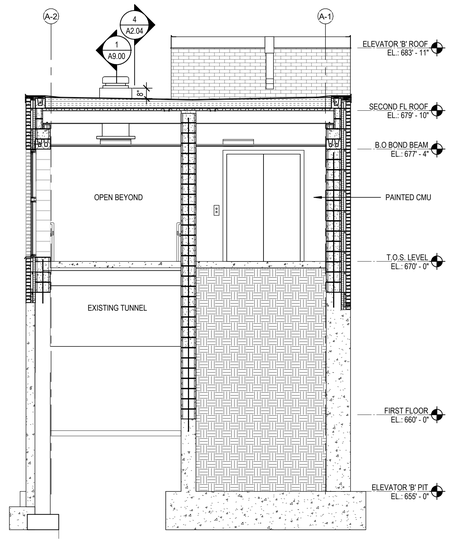
3 LINK CORRIDOR B - REFELCTED CEILING PLAN

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



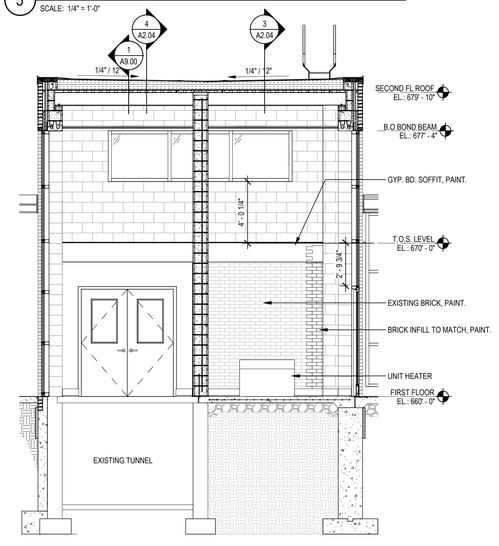
4 LINK CORRIDOR B - ROOF PLAN

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



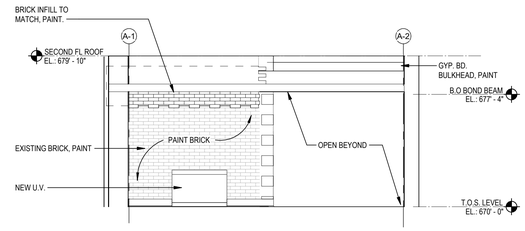
5 LINK CORRIDOR B - SECTION C

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



6 LINK CORRIDOR B - SECTION D

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



7 LINK CORRIDOR B- WINDOW INFILL ELEVATION

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

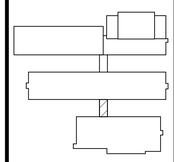
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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

DWG TITLE: LINK CORRIDOR 'B'

DRAWING BY: E.N.
CHECKED BY: K.G.

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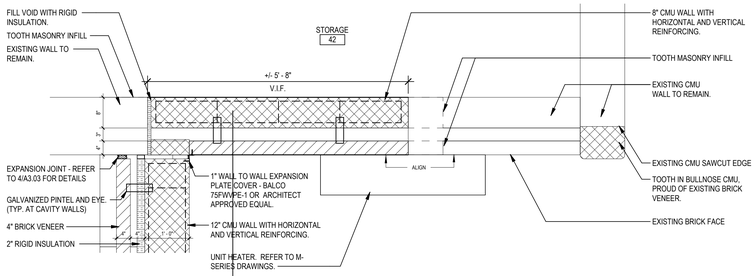
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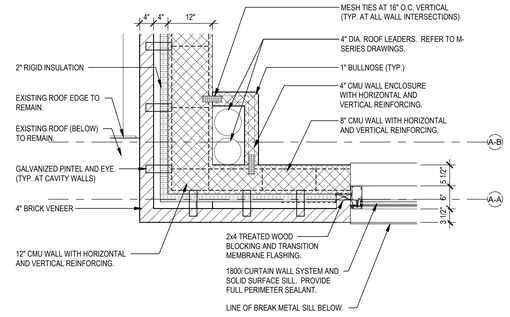
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DISTRICT: MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT: BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE: LINK CORRIDOR 'B'

SCALE: AS NOTED
DATE: 1/21/2026
BID PICK UP: 5/18/2026
FILE No.: 25-237

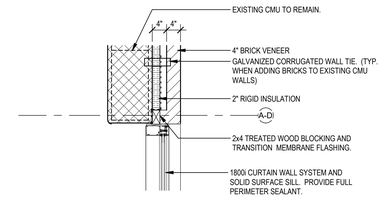
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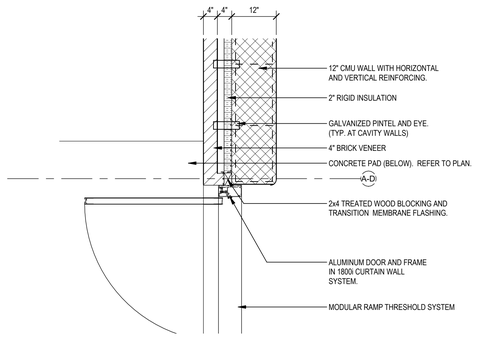
1 UPPER VESTIBULE - PLAN DETAIL - LINK CORRIDOR A
SCALE: 3/4" = 1'-0"



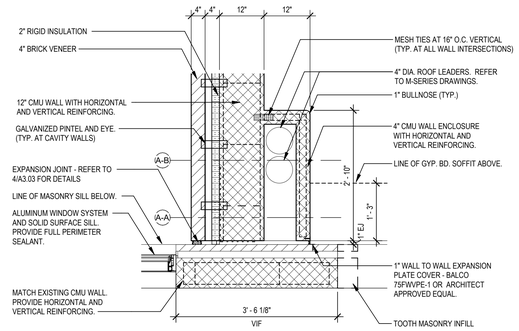
2 PLAN DETAIL - UPPER WINDOW
SCALE: 3/4" = 1'-0"



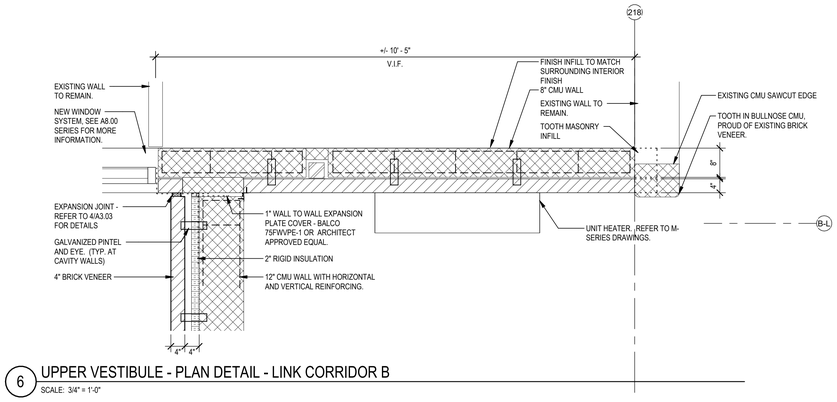
3 LOWER VESTIBULE WINDOW - PLAN DETAIL
SCALE: 3/4" = 1'-0"



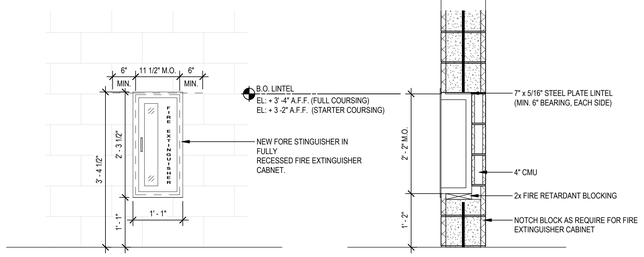
4 LOWER VESTIBULE DOOR- PLAN DETAIL
SCALE: 3/4" = 1'-0"



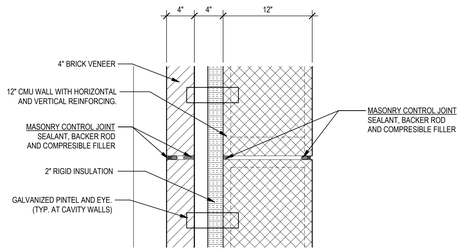
5 CORRIDOR A LOWER VESTIBULE - PLAN DETAIL
SCALE: 3/4" = 1'-0"



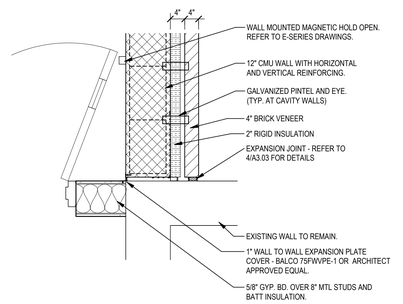
6 UPPER VESTIBULE - PLAN DETAIL - LINK CORRIDOR B
SCALE: 3/4" = 1'-0"



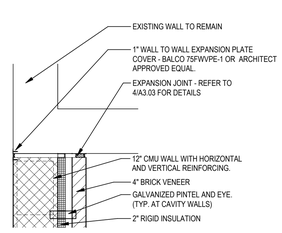
7 FIRE EXTINGUISHER DETAIL -CMU WALL
SCALE: 3/4" = 1'-0"



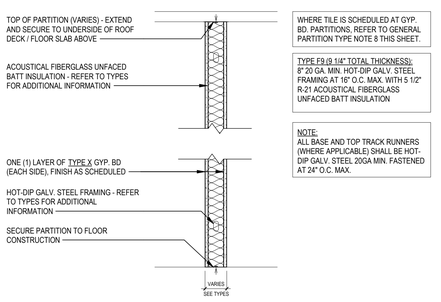
8 MASONRY CONTROL JOINT - PLAN
SCALE: 1 1/2" = 1'-0"



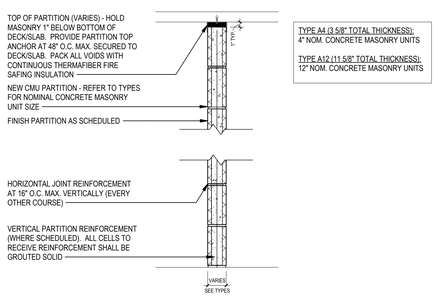
9 LOWER VESTIBULE CORNER - PLAN DETAIL
SCALE: 3/4" = 1'-0"



10 UPPER VESTIBULE CORNER - PLAN DETAIL
SCALE: 3/4" = 1'-0"

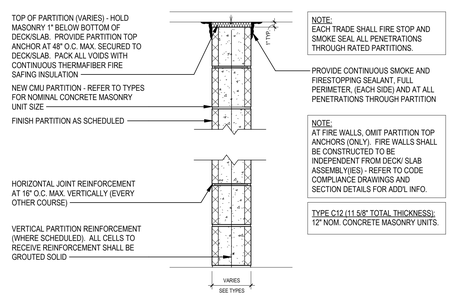


F9 9" NOM. GYP. BD. METAL STUD PARTITION
NON-RATED / NON-BEARING INTERIOR PARTITION

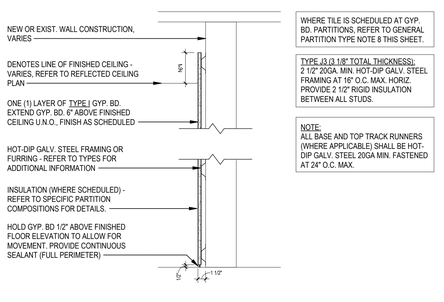


A4 4" NOM. CMU PARTITION
GRAPHIC SIMILAR AS SHOWN

A12 12" NOM. CMU PARTITION
GRAPHIC SIMILAR AS SHOWN



C12 12" NOM. CMU PARTITION
2-HR RATING: UL U906 / STC 48, GRAPHIC SIM.



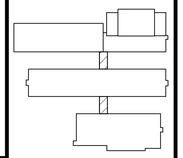
J3 GYP. BD. OVER 2 1/2" METAL FURRING
GRAPHIC SIMILAR AS SHOWN

PARTITION TYPES

REV.	DATE	ITEM

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NOT TO SCALE

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BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
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PROJECT

PLAN DETAILS & PARTITION TYPES

DWG TITLE

DRAWING BY: R.L.S.
CHECKED BY: K.G.

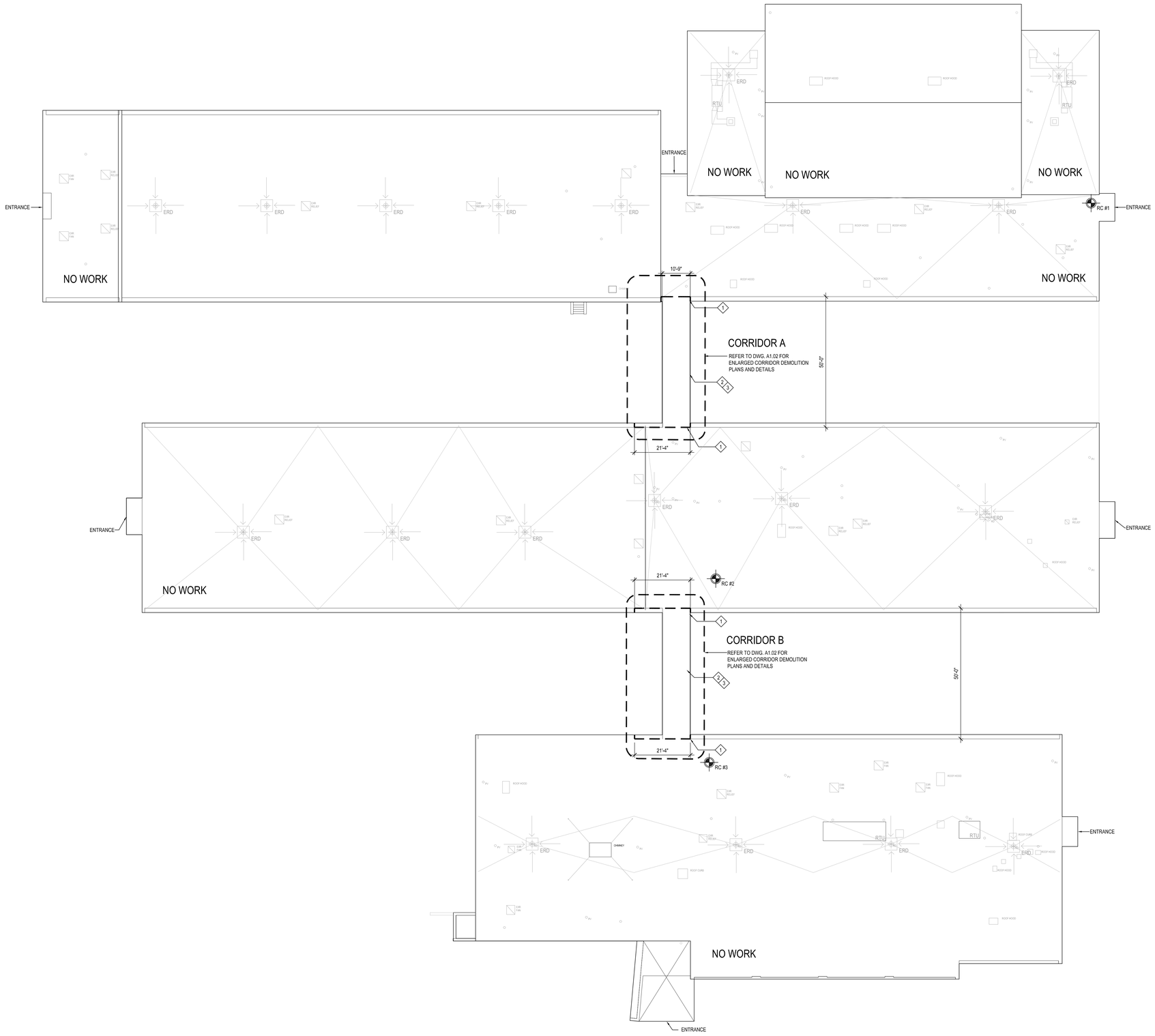
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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE	PLAN DETAILS & PARTITION TYPES
SCALE:	AS NOTED
DATE:	1/21/2026
BID PICK UP:	5/18/2026
FILE No.	25-237

A2.06



ROOF DEMOLITION PLAN

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

ARCHITECTURAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	EXISTING ROOFTOP DUCTWORK PENETRATION LOCATIONS.
ERD	EXISTING ROOF DRAIN LOCATIONS.
PV	EXISTING PLUMBING VENT THROUGH ROOF TO REMAIN.
	LOCATION OF SAW CUT FOR ROOF REMOVAL
	AREAS WITH NO WORK
RC #1	ROOF CORE LOCATIONS. REFER TO ROOF COMPOSITION NOTES.
L.P.	LOW POINT OF TAPERED INSULATION.
H.P.	HIGH POINT OF TAPERED INSULATION.
	INDICATES SLOPE OF TAPERED INSULATION AT ¼" PER FT. U.O.N.

GENERAL NOTES

1. IN ACCORDANCE WITH STATE AND LOCAL CODES, THE REQUIRED EXITS IN THE EXISTING BUILDING MUST BE KEPT CLEAR, MAINTAINED, AND PROTECTED.
2. ALL WORK AND MATERIAL OF THIS PROJECT AND ADJACENT SURFACES AND THE INTERIOR OF THE BUILDING SHALL BE PROTECTED FROM DAMAGE. IN THE EVENT OF DAMAGE, THE RESPONSIBLE CONTRACTOR (I.E. GENERAL CONTRACTOR OR ASBESTOS CONTRACTOR) SHALL IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE SCHOOL DISTRICT.
3. ALL DEMOLITION AND CONSTRUCTION WORK TO BE PERFORMED WITHOUT INTERRUPTION TO SCHOOL OPERATIONS AND SHALL COMPLY WITH PROCEDURES OUTLINED IN SPECIFICATION SECTION 01030 OF THE PROJECT MANUAL.
4. EACH CONTRACTOR SHALL ENFORCE STRICT DISCIPLINE AND GOOD ORDER AMONG THE CONTRACTOR'S EMPLOYEES AND OTHER PERSONS CARRYING OUT THE CONTRACT. THE CONTRACTOR SHALL NOT PERMIT EMPLOYMENT OF UNFIT PERSONS OR PERSONS NOT SKILLED IN THE TASKS ASSIGNED TO THEM.
5. EACH CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL OF HIS OWN PROJECT WASTE MATERIAL AND RUBBISH FOR SUBSEQUENT LEGAL OFF-SITE DISPOSAL. CONTAINER LOCATION TO BE COORDINATED WITH THE OWNER. OFF-SITE DISPOSAL TO BE ON A REGULAR BASIS.
6. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING AND PRIOR TO PROCEEDING WITH WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN WRITING.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS REQUIRED FOR BIDDING AND ESTIMATING.
8. CONTRACTOR TO PROTECT ALL AREAS OF WORK FROM INCLEMENT WEATHER DURING AND AT THE END OF DAILY WORK OPERATIONS.
9. ALL PROJECT WASTE MATERIAL AND RUBBISH TO BE DISPOSED IN CONTAINERS PROVIDED BY EACH CONTRACTOR FOR SUBSEQUENT LEGAL OFF-SITE DISPOSAL. CONTAINER LOCATION TO BE COORDINATED WITH THE CONSTRUCTION MANAGER AND OWNER. OFF-SITE DISPOSAL TO BE ON A REGULAR BASIS.
10. ALL INTERIOR SURFACES DISTURBED DURING CONSTRUCTION SHOULD BE REPAIRED AND/OR REPLACED TO MATCH EXISTING CONDITIONS TO THE APPROVAL OF THE ARCHITECT AND OWNER.
11. ALL DEBRIS, DUST, AND DIRT CAUSED BY WORK OF THIS CONTRACT SHALL BE REMOVED FROM SITE BY APPROPRIATE MEANS. RESTORE ALL CONDITIONS TO THE STATE OF CLEANLINESS THAT EXISTED PRIOR TO COMMENCEMENT OF WORK.

ROOF KEY NOTES

(REFER TO THE TESTING REPORTS PRIOR TO ANY REMOVALS)

1. G.C TO SAW CUT ROOF SYSTEM, INCLUDING ROOF SLAB ALONG LINE. PROTECT RAW EDGE AND PREP TO CONNECT TO NEW ROOF STRUCTURE AND ROOF SYSTEM.
2. G.C. TO REMOVE ROOF SYSTEM IN ITS ENTIRETY. SEE A2.03 AND A2.05 FOR MORE INFORMATION.
3. G.C., TO REMOVE ROOF STRUCTURE IN ITS ENTIRETY. SEE A2.03 AND A2.05 FOR MORE INFORMATION.

ROOF DEMOLITION NOTES

1. ALL ROOF AREAS MARKED "NO WORK" SHALL BE PROTECTED DURING ROOF REPLACEMENT SCOPE OF WORK, THE CONTRACTOR, SHALL BE HELD RESPONSIBLE TO REPAIR AND RESTORE THESE AREAS IF ANY DAMAGE HAS BEEN CAUSED AT NO ADDITIONAL COST TO THE OWNER.

EXISTING ROOF COMPOSITION CORES

NOTE: ALL CORES ARE FROM THE TOP DOWN. REFER TO TREMCO REPORT.

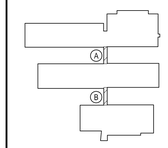
ROOF AREA 'A' - CORE No. 1
TOTAL CORE DEPTH: 5.0"
- EPDM
- 2"ISO
- 2 ½" ISO
- ¼" CEMENT BOARD
- METAL DECK

ROOF AREA 'A' AND 'C' - CORE No. 2 & 3
TOTAL CORE DEPTH: 7.0"
- GRAVEL
- 4-PLY BUR
- ½"FIBERBOARD
- 2" ISO
- 2"ISO
- 2 ½" ISO
- VAPOR BARRIER
- TECTUM DECK

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE: ROOF DEMOLITION PLAN

DRAWING BY: EN
CHECK BY: ---

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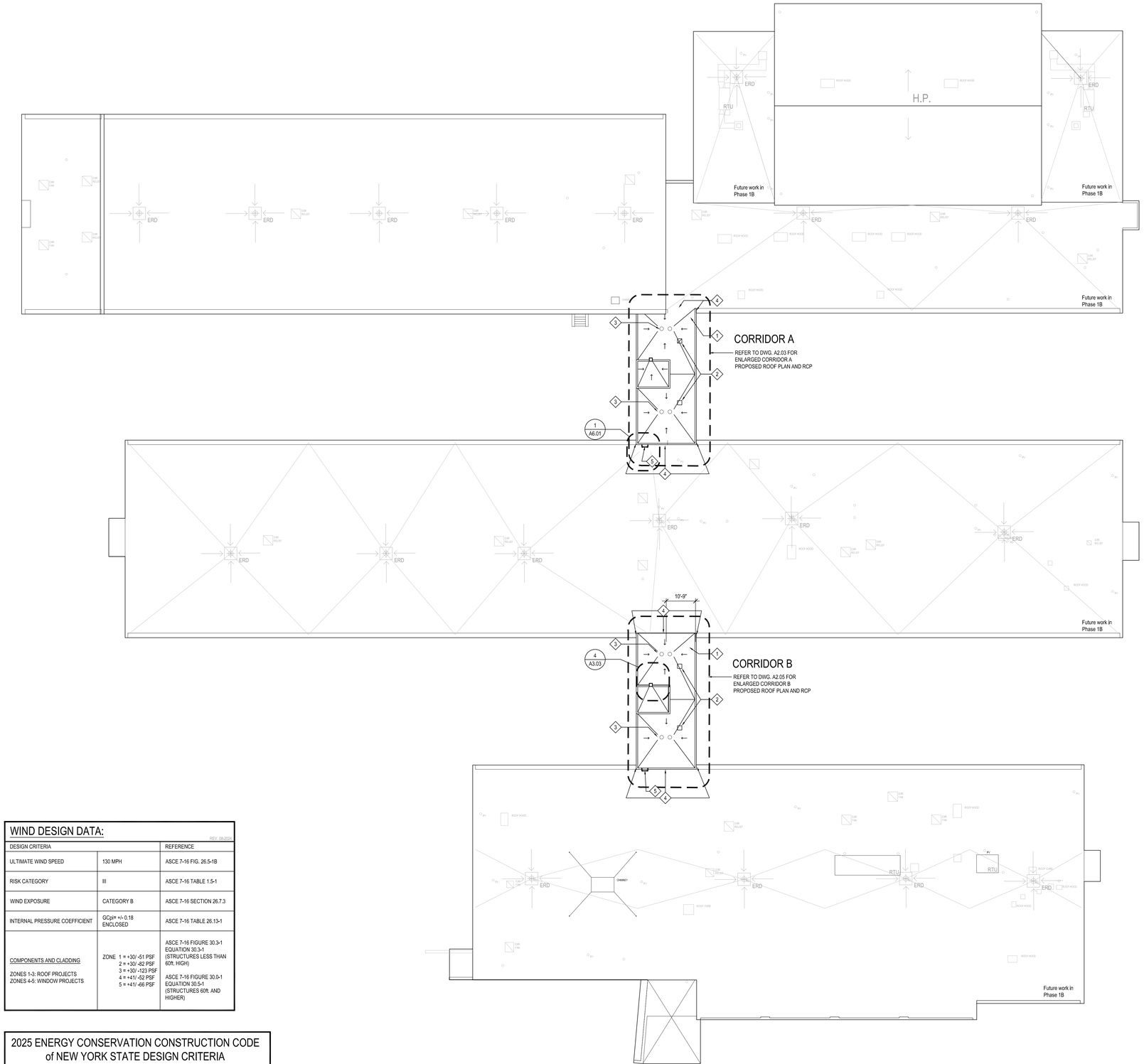
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SED No. 13-22-01-04-0-008-016
DISTRICT: MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT: CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE: ROOF DEMOLITION PLAN

SCALE: AS NOTED
DATE: 1/20/26
BID PICK-UP: 5/18/2026
FILE No: 25-237

A3.01



ROOF PROPOSED PLAN

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

WIND DESIGN DATA:

REV. 08-2024

DESIGN CRITERIA		REFERENCE
ULTIMATE WIND SPEED	130 MPH	ASCE 7-16 FIG. 26.5-1B
RISK CATEGORY	III	ASCE 7-16 TABLE 1.5-1
WIND EXPOSURE	CATEGORY B	ASCE 7-16 SECTION 26.7.3
INTERNAL PRESSURE COEFFICIENT	GCpi= +\- 0.18 ENCLOSED	ASCE 7-16 TABLE 26.13-1
COMPONENTS AND CLADDING ZONES 1-3: ROOF PROJECTS ZONES 4-5: WINDOW PROJECTS	ZONE 1 = +30/ -51 PSF 2 = +30/ -82 PSF 3 = +30/ -123 PSF 4 = +41/ -52 PSF 5 = +41/ -66 PSF	ASCE 7-16 FIGURE 30.3-1 EQUATION 30.3-1 (STRUCTURES LESS THAN 60ft. HIGH) ASCE 7-16 FIGURE 30.0-1 EQUATION 30.5-1 (STRUCTURES 60ft. AND HIGHER)

2025 ENERGY CONSERVATION CONSTRUCTION CODE of NEW YORK STATE DESIGN CRITERIA

2025 E.C.C.C. of N.Y. STATE	CLIMATE ZONE	INSULATION COMPONENT	R-VALUE	REFERENCE
SECTION C301 CLIMATE ZONES	ZONE 5 (DUTCHESS COUNTY)			TABLE C301.1 NEW YORK STATE CLIMATE ZONES BY COUNTY
SECTION C402 BUILDING ENVELOPE REQUIREMENTS	ZONE 5	ROOFS - INSULATION ENTIRELY ABOVE ROOF DECK	R-33d	TABLE C402.1.3 OPAQUE THERMAL ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS, R-VALUE METHOD

ARCHITECTURAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
RTU	EXISTING ROOFTOOP HVAC EQUIPMENT TO REMAIN.
GRV	EXISTING HVAC GRAVITY RELIEF VENT EQUIPMENT TO REMAIN.
A/C	EXISTING AIR CONDITIONER CONDENSER LOCATION
EF	EXISTING ROOF TOP EXHAUST FAN LOCATION.
	EXISTING ROOFTOP DUCTWORK PENETRATION LOCATIONS.
ERD	EXISTING ROOF DRAIN LOCATIONS.
PV	EXISTING PLUMBING VENT THROUGH ROOF TO REMAIN.
RC #1	ROOF CORE LOCATIONS. REFER TO ROOF COMPOSITION NOTES.
L.P.	LOW POINT OF TAPERED INSULATION.
H.P.	HIGH POINT OF TAPERED INSULATION.
→	INDICATES SLOPE OF TAPERED INSULATION AT ¼" PER FT. U.O.N.

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ROOF KEY NOTES

1. G.C. TO INSTALL NEW ROOF DECKING ON STRUCTURAL STEEL FRAME WITH TPO MEMBRANE. REFER TO A2.00 SERIES AND S SERIES DWGS FOR MORE DETAILS.
2. M.C. TO SUPPLY NEW GRAVITY RELIEF AND INTAKE HOOD FOR EACH CORRIDOR. G.C. TO CUT OPENINGS IN ROOF DECK, INSTALL STEEL REINFORCEMENT FOR OPENINGS, INSTALL NEW ROOF CURBS SUPPLIED BY M.C. AND FLASH IN NEW ROOF SYSTEM FOR NEW ROOF CUBS. G.C. TO COORDINATE WITH M.C.; REFER TO M-SERIES DRAWINGS FOR MORE INFORMATION.
3. P.C. TO SUPPLY NEW ROOF DRAIN ASSEMBLIES. G.C. TO INSTALL NEW ROOF DRAIN ASSEMBLIES. P.C. TO PIPE NEW ROOF DRAIN ASSEMBLIES. G.C. TO COORDINATE WITH P.C.; REFER TO P-SERIES DRAWINGS FOR MORE INFORMATION.
4. G.C. TO INSTALL NEW 1" FULL EXPANSION JOINT. REFER TO PROPOSED LINK CORRIDOR DRAWING AND WALL SECTIONS FOR MORE INFORMATION.
5. G.C. TO SUPPLY AND INSTALL NEW STEEL LADDER TO CONNECT NEW CORRIDOR ROOF TO EXISTING BELOW.

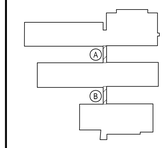
TAPERED INSULATION NOTES

1. ROOF CONTRACTOR SHALL PROVIDE A TAPERED INSULATION PLAN FOR ALL ROOF AREAS IN CONTRACT
2. ROOF CONTRACTOR SHALL FIELD VERIFY ROOF DIMENSIONS AND ROOF DRAIN LOCATIONS
3. TAPERED INSULATION LAYOUT SHALL CONFORM TO LATEST REQUIREMENTS OF THE N.Y.S ENERGY CODE, MINIMUM PITCH OF 1/8" PER FOOT
4. TAPERED INSULATION PLAN SHALL SHOW ALL ROOF PITCHES AND CRICKETS AS REQUIRED TO FACILITATE POSITIVE DRAINAGE
5. ROOF INSULATION TO BE A MINIMUM OF R - 33 (CONTINUOUS INSULATION) AS PER THE 2025 ENERGY CONSERVATION CONSTRUCTION CODE

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

PROJECT

ROOF PROPOSED PLAN

DWG TITLE

DRAWING BY: EN

CHECK BY: • • •

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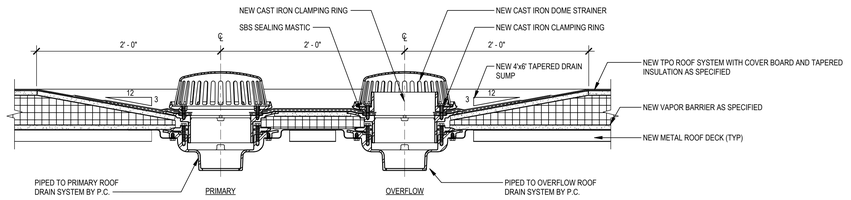
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SED No:	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	ROOF PROPOSED PLAN
SCALE:	AS NOTED
DATE:	1/20/26
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FILE No:	25-237

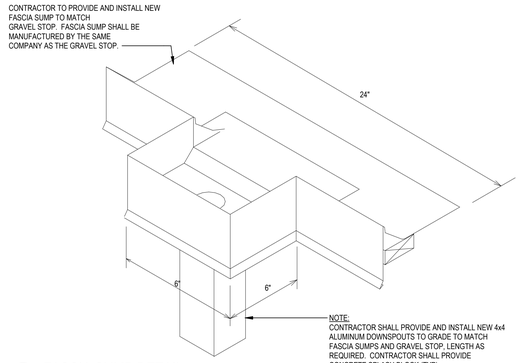
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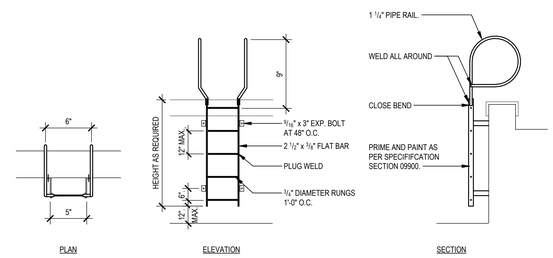
1 NEW DOUBLE ROOF DRAIN DETAIL

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



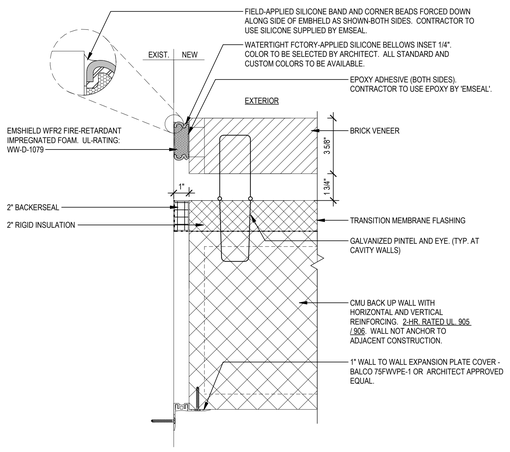
2 FASCIA SUMP DETAIL

SCALE: 3" = 1'-0"



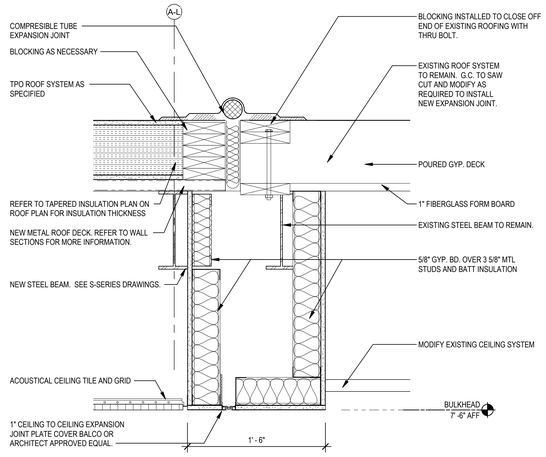
3 TYPICAL LADDER DETAIL

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



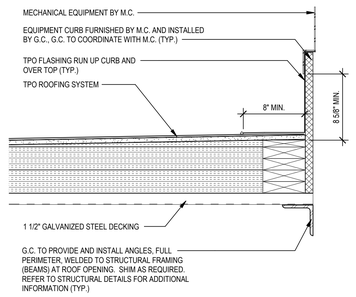
4 EXTERIOR 1" FULL BUILDING EXPANSION JOINT

SCALE: 3" = 1'-0"



5 EXPANSION JOINT

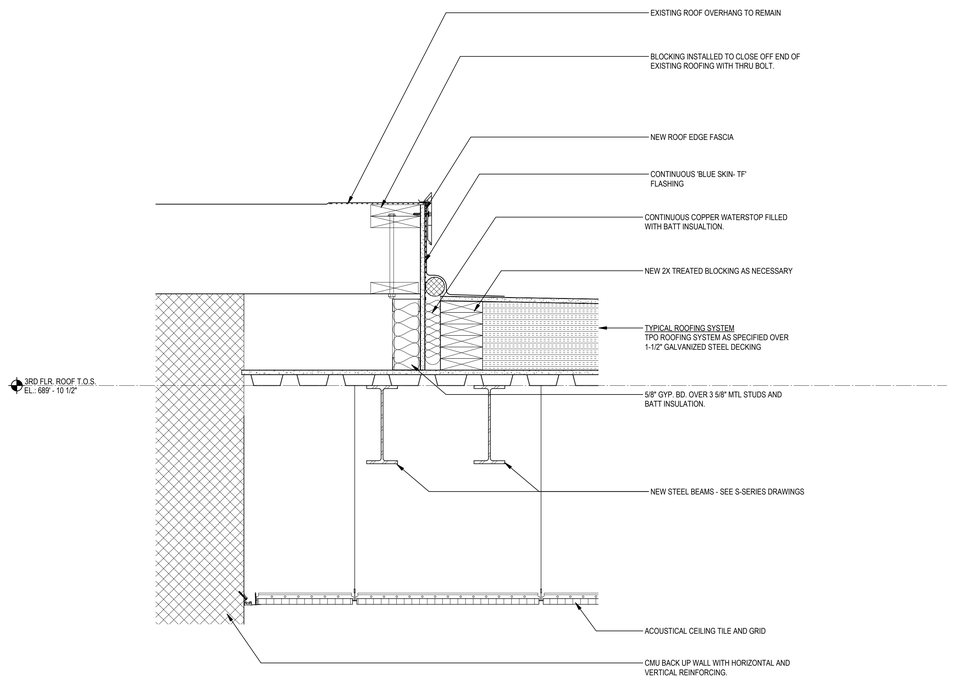
SCALE: 1 1/2" = 1'-0"



6 TYPICAL ROOF CURB DETAIL

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

CONTRACTOR TO REFER TO WALL SECTIONS FOR ADDITIONAL ROOF DETAILS AND INFORMATION.



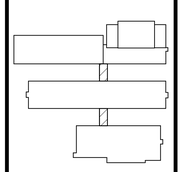
7 ROOF OVERLAP DETAIL

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

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT

MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

DWG TITLE

ROOF DETAILS

DRAWING BY: R.L.S.

CHECKED BY: K.G.

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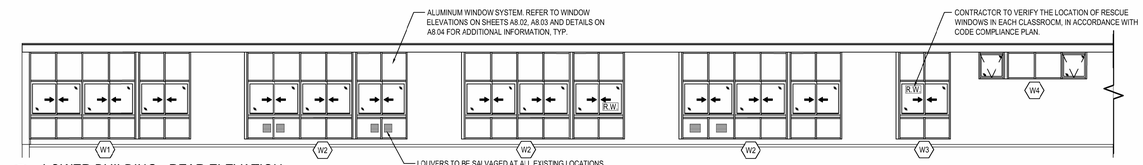
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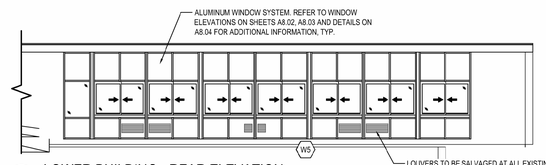
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DWG TITLE	ROOF DETAILS
SCALE:	AS NOTED
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BID PICK UP:	5/18/2026
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A3.03



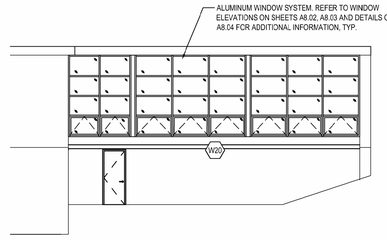
1 LOWER BUILDING - REAR ELEVATION

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



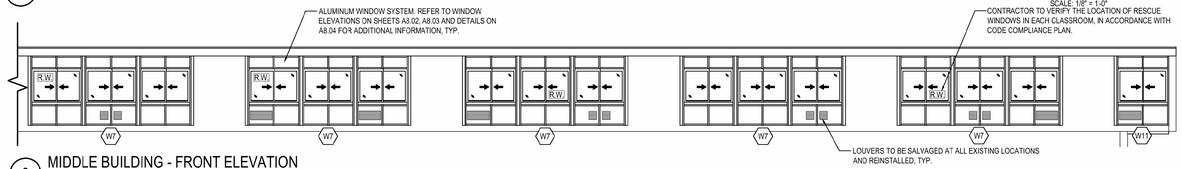
2 LOWER BUILDING - REAR ELEVATION

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



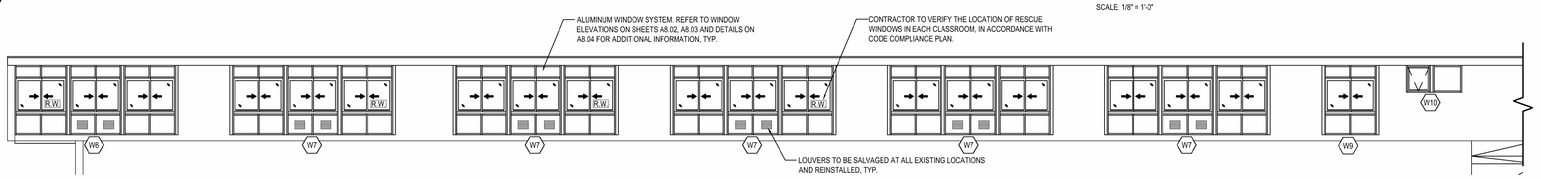
13 LOWER BUILDING - FRONT ELEVATION

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



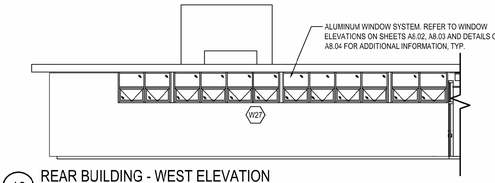
3 MIDDLE BUILDING - FRONT ELEVATION

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



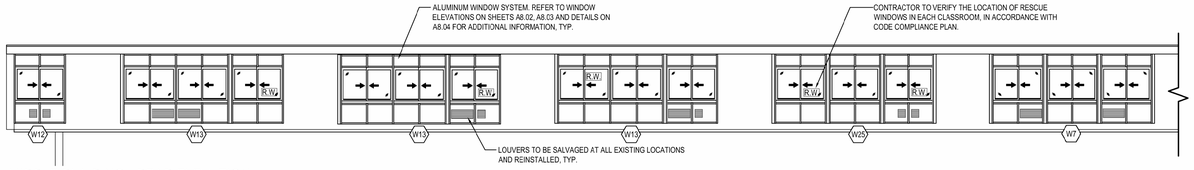
4 MIDDLE BUILDING - FRONT ELEVATION

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



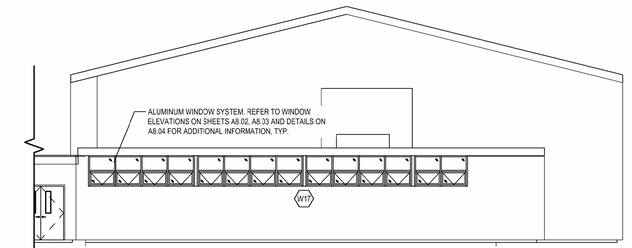
10 REAR BUILDING - WEST ELEVATION

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



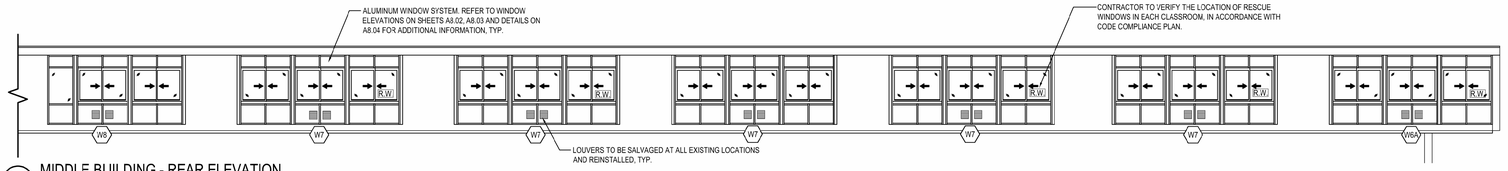
5 MIDDLE BUILDING - REAR ELEVATION

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



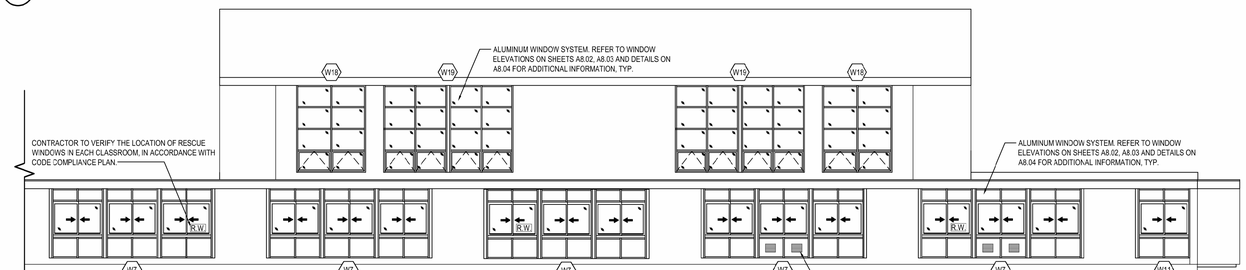
11 REAR BUILDING - EAST ELEVATION

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



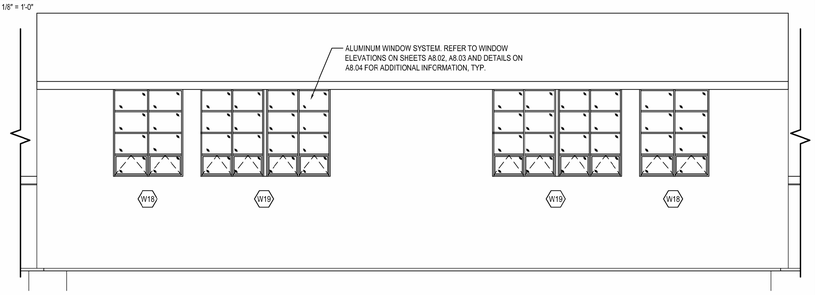
6 MIDDLE BUILDING - REAR ELEVATION

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



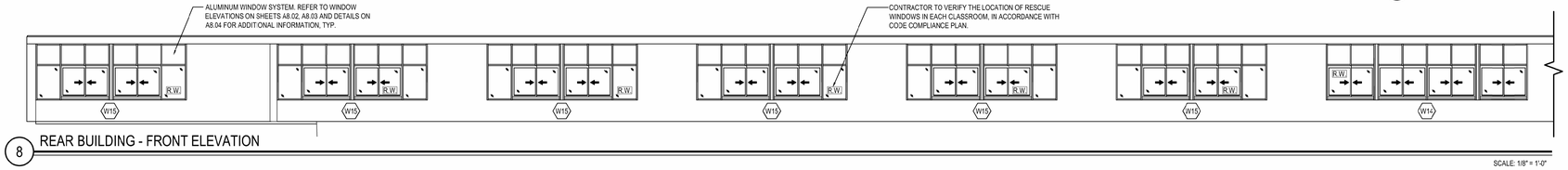
7 REAR BUILDING - FRONT ELEVATION

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



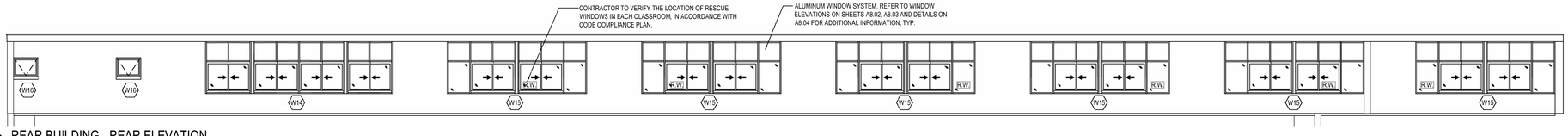
12 GYMNASIUM - REAR ELEVATION

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



8 REAR BUILDING - FRONT ELEVATION

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



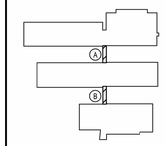
9 REAR BUILDING - REAR ELEVATION

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

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE

EXTERIOR ELEVATIONS

DRAWING BY: JG

CHECK BY: JBR

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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	EXTERIOR ELEVATIONS
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

A4.01

TYPICAL WALL SECTION NOTES

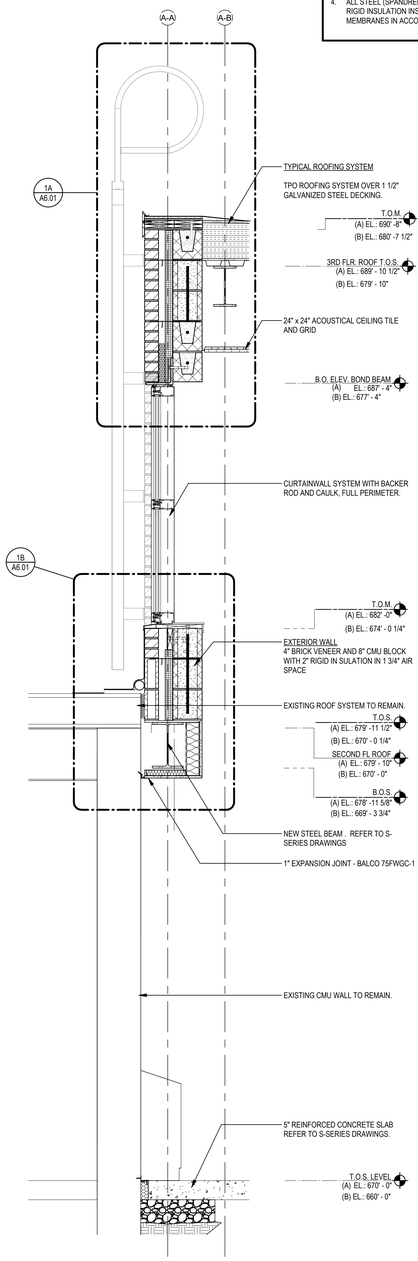
1. CONTRACTOR SHALL REFER TO PROJECT MANUAL FOR CONTINUOUS AIR BARRIER COMPONENTS AND REQUIREMENTS. TRANSITION MEMBRANES SHALL BE PROVIDED AT WOOD BLOCKING EXPOSED TO THE CAVITY INCLUDING BUT NOT LIMITED TO ALL EXTERIOR WINDOW OPENINGS, EXTERIOR DOOR OPENINGS AND TOP OF WALL CONDITIONS.
2. ALL JOINTS, CRACKS AND PENETRATIONS IN CAVITY INSULATION SHALL BE SEALED WITH 'GREAT STUFF PRO' FOAM INSULATION SEALANT IN ACCORDANCE WITH AIR BARRIER SPECIFICATIONS.
3. REFER TO PROJECT MANUAL FOR THRU-WALL FLASHING MATERIALS AND RELATED COMPONENTS. CONTRACTOR SHALL PROVIDE AND INSTALL CONTINUOUS DRIP EDGE AT ALL BASE OF WALL AND LINTEL LOCATIONS BELOW THRU-WALL FLASHING.
4. ALL STEEL (SPANDREL BEAMS OR COLUMNS) EXPOSED TO THE CAVITY (PRIOR TO RIGID INSULATION INSTALLATION) SHALL BE PROTECTED WITH TRANSITION MEMBRANES IN ACCORDANCE WITH SPECIFICATIONS.

FLASHING INSTALLATION - LINTELS

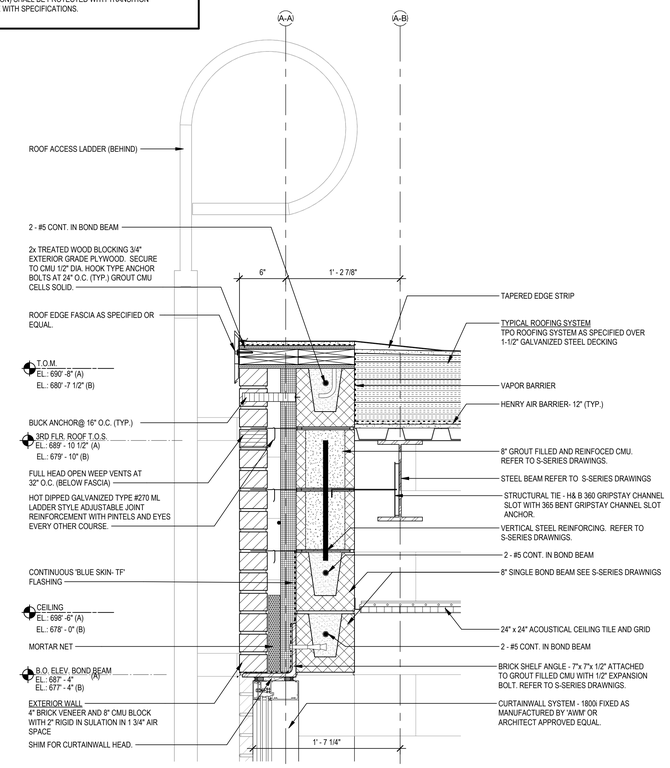
1. CLEAN STEEL ANGLE OF LOOSE DEBRIS, DUST, MORTAR, ETC.. SET 3" STAINLESS STEEL DRIP PLATE INTO MIN. 1/4" BEAD OF WATER BLOCK SEALANT.
2. APPLY SPRAY PRIMER AND ALLOW TO DRY 4 TO 5 MINUTES.
3. APPLY SINGLE CONTINUOUS LENGTH OF 'FLASHGUARD' ADHESIVE TAPE. 'MUST BE APPLIED WITHIN 30 MIN. OF PRIMER OR REPEAT.
4. SET MEMBRANE INTO TAPE AND DRIP EXTENDING 1" MIN. PAST OUTER EDGE OF TAPE. PRESS IN PLACE AND ROLL TO ASSURE CONTACT.
5. SET MASONRY IN FRESH MORTAR.

FLASHING INSTALLATION - THRU-WALL

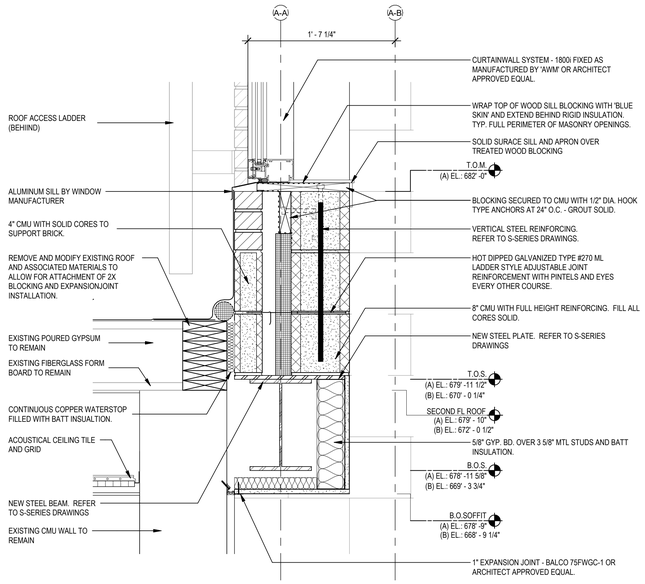
1. SET 3" STAINLESS STEEL DRIP PLATE INTO MIN. 1/4" BEAD OF WATER BLOCK SEALANT.
2. APPLY SPRAY PRIMER AND ALLOW TO DRY 4 TO 5 MINUTES.
3. APPLY SINGLE CONTINUOUS LENGTH OF 'FLASHGUARD' ADHESIVE TAPE. 'MUST BE APPLIED WITHIN 30 MIN. OF PRIMER OR REPEAT.
4. SET MEMBRANE INTO TAPE AND DRIP EXTENDING 1" MIN. PAST OUTER EDGE OF TAPE. PRESS IN PLACE AND ROLL TO ASSURE CONTACT.



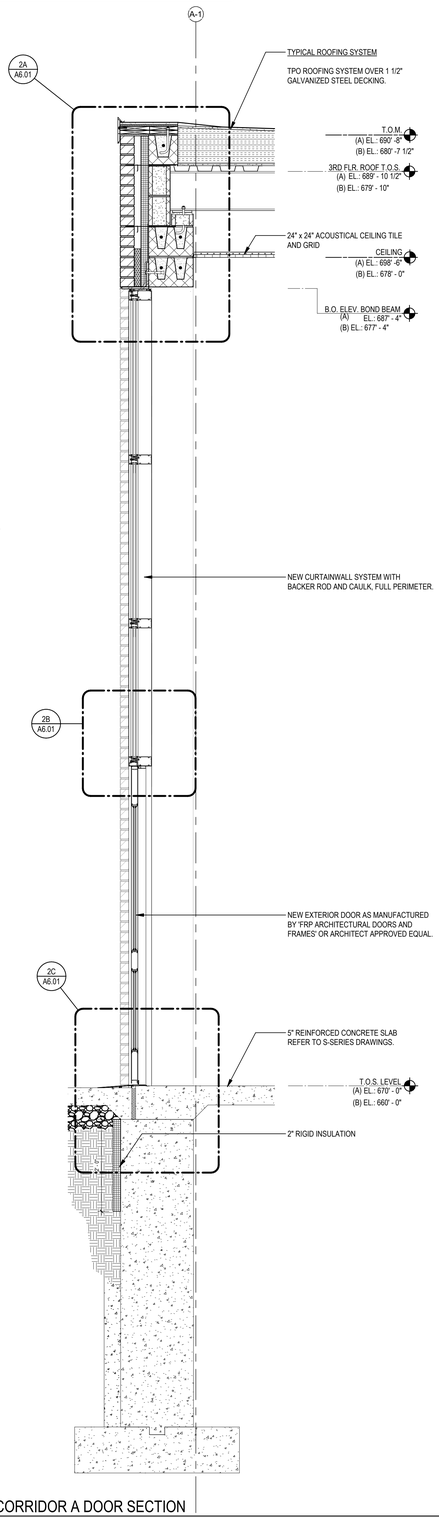
1 CORRIDOR A SECTION
SCALE: 3/4" = 1'-0"



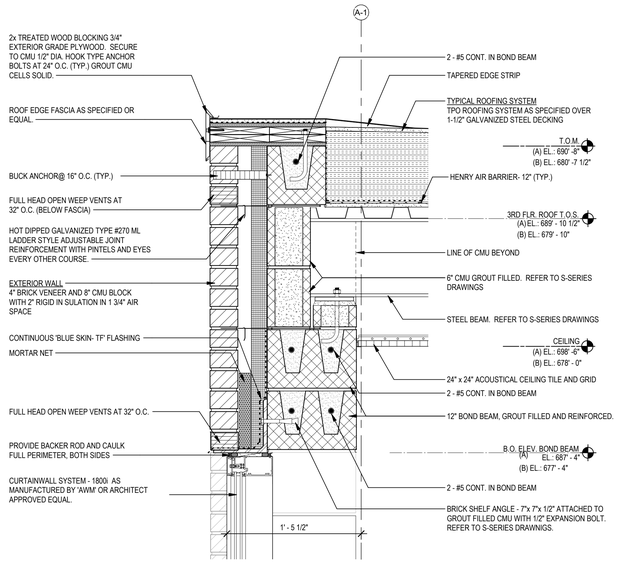
1A CORRIDOR A SECTION DETAIL 1
SCALE: 1 1/2" = 1'-0"



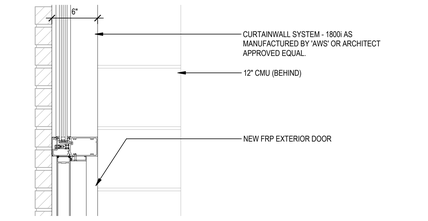
1B CORRIDOR A SECTION DETAIL 2
SCALE: 1 1/2" = 1'-0"



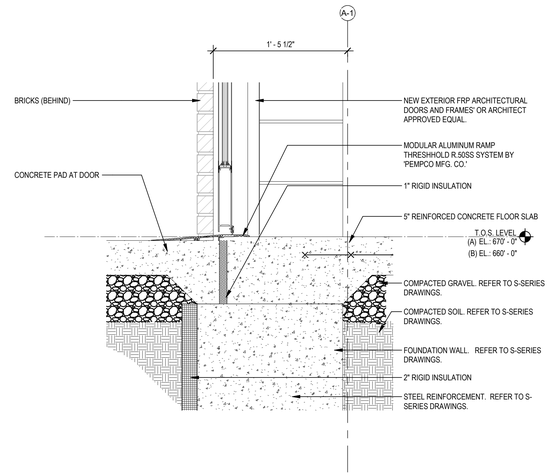
2 CORRIDOR A DOOR SECTION
SCALE: 3/4" = 1'-0"



2A CORRIDOR A DOOR SECTION DETAIL 1
SCALE: 1 1/2" = 1'-0"



2B CORRIDOR A DOOR SECTION DETAIL 2
SCALE: 1 1/2" = 1'-0"

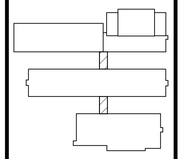


2C CORRIDOR A DOOR SECTION DETAIL 3
SCALE: 1 1/2" = 1'-0"

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

PROJECT

WALL SECTIONS

DWG TITLE

DRAWING BY: R.L.S
CHECKED BY: -

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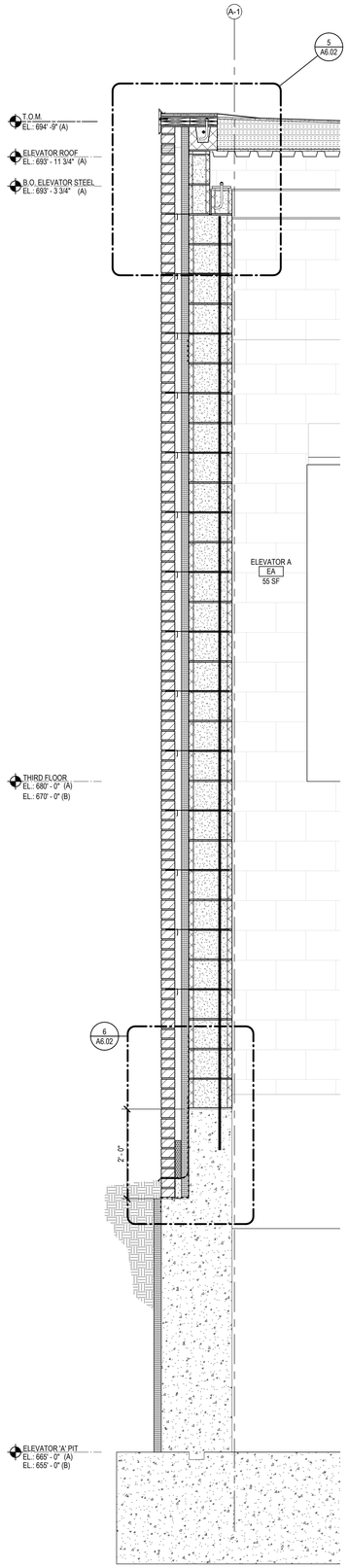
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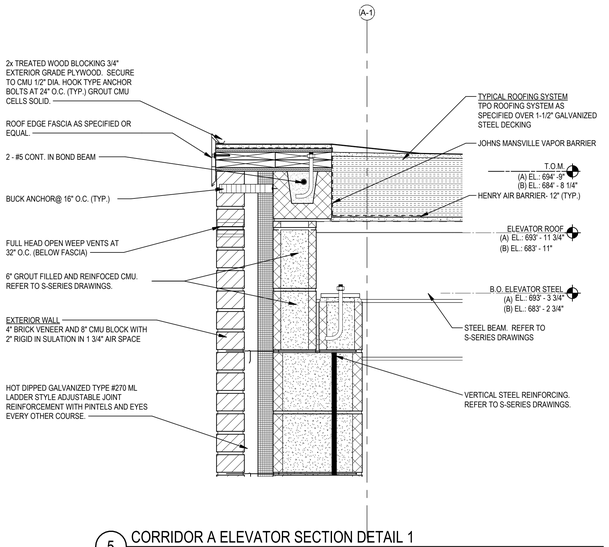
SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE	WALL SECTIONS

SCALE:	AS NOTED
DATE:	1/21/2026
BID PICK UP:	5/18/2026
FILE No.	25-237

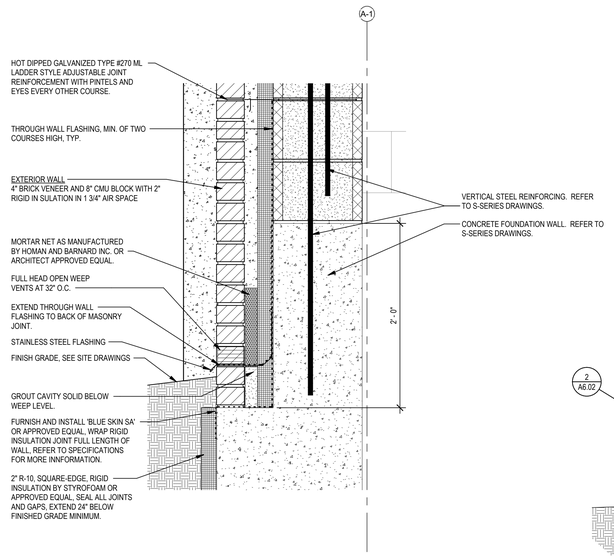
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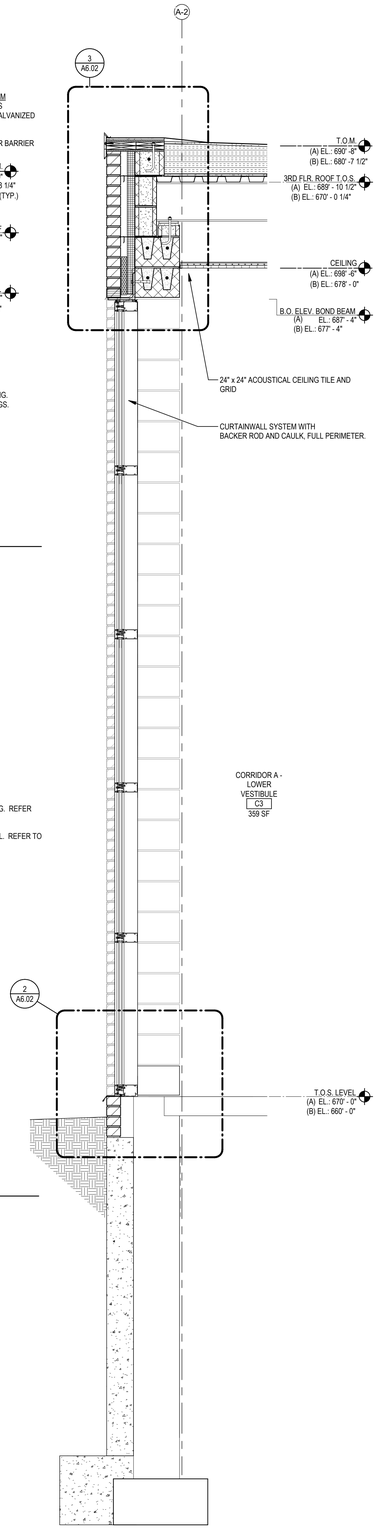
4 CORRIDOR A ELEVATOR SECTION
SCALE: 3/4" = 1'-0"



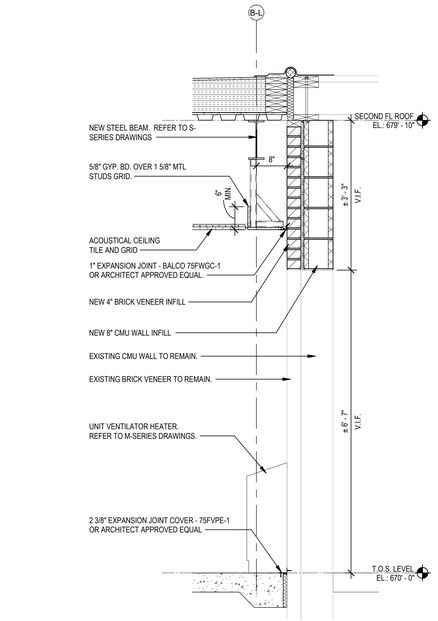
5 CORRIDOR A ELEVATOR SECTION DETAIL 1
SCALE: 1 1/2" = 1'-0"



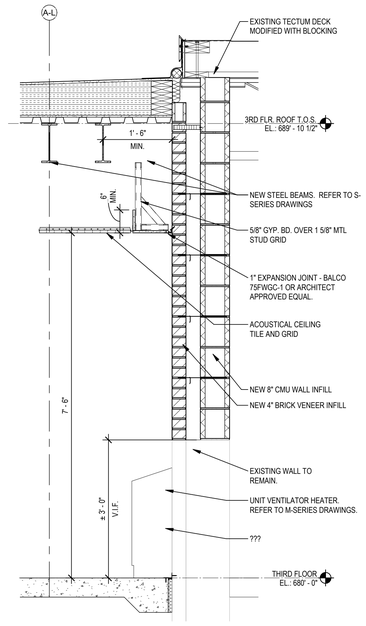
6 CORRIDOR A ELEVATOR SECTION DETAIL 2
SCALE: 1 1/2" = 1'-0"



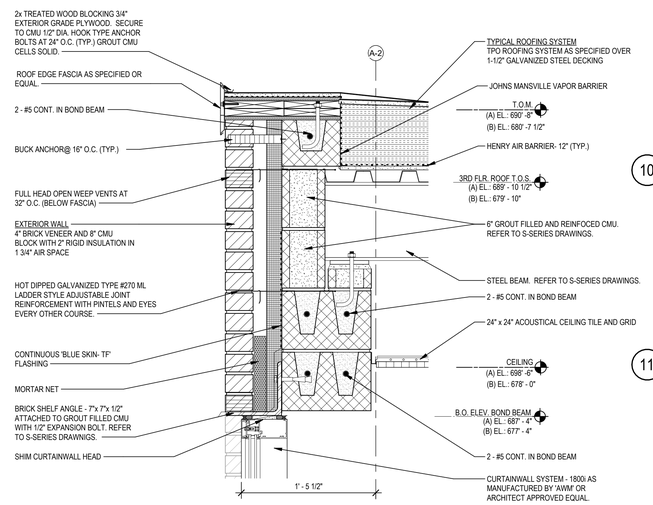
1 CORRIDOR A GLAZING SECTION
SCALE: 3/4" = 1'-0"



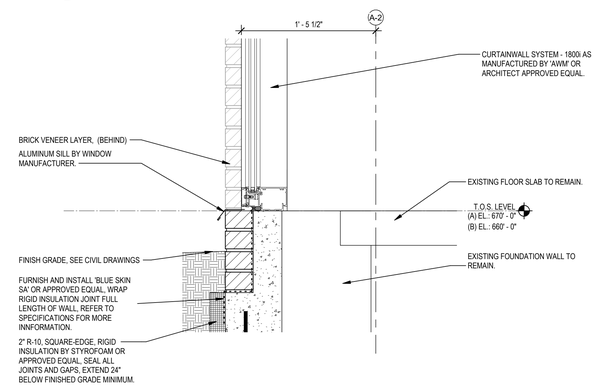
8 CORRIDOR B WINDOW INFILL SECTION
SCALE: 3/4" = 1'-0"



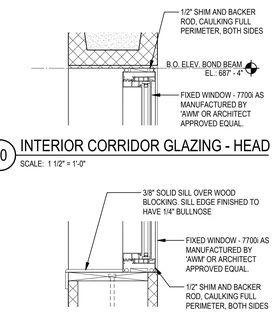
7 CORRIDOR A WINDOW INFILL SECTION
SCALE: 3/4" = 1'-0"



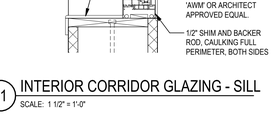
3 CORRIDOR A GLAZING SECTION DETAIL 1
SCALE: 1 1/2" = 1'-0"



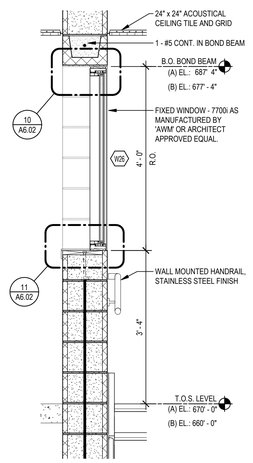
2 CORRIDOR A GLAZING SECTION DETAIL 2
SCALE: 1 1/2" = 1'-0"



10 INTERIOR CORRIDOR GLAZING - HEAD
SCALE: 1 1/2" = 1'-0"



11 INTERIOR CORRIDOR GLAZING - SILL
SCALE: 1 1/2" = 1'-0"

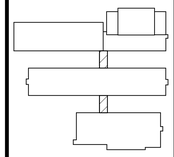


9 INTERIOR CORRIDOR GLAZING
SCALE: 3/4" = 1'-0"

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

PROJECT

WALL SECTIONS

DWG TITLE

DRAWING BY: R.L.S.
CHECKED BY: --

NOTICE

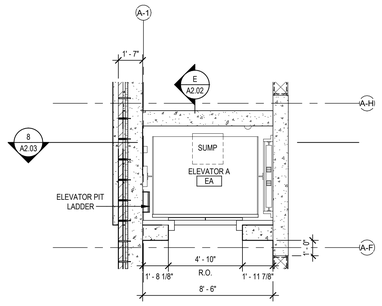
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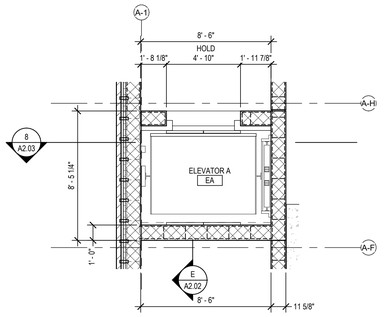
SED No. 13-22-01-04-0-008-016
DISTRICT MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE WALL SECTIONS

SCALE: AS NOTED
DATE: 1/21/2026
BID PICK UP: 5/18/2026
FILE No. 25-237

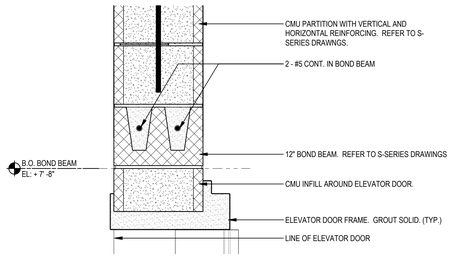
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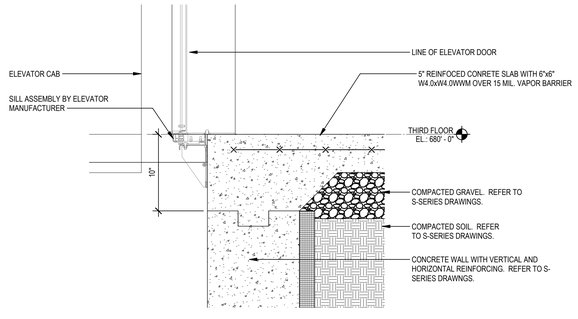


1 TYPICAL LOWER ELEVATOR PLAN
SCALE: 1/4" = 1'-0"



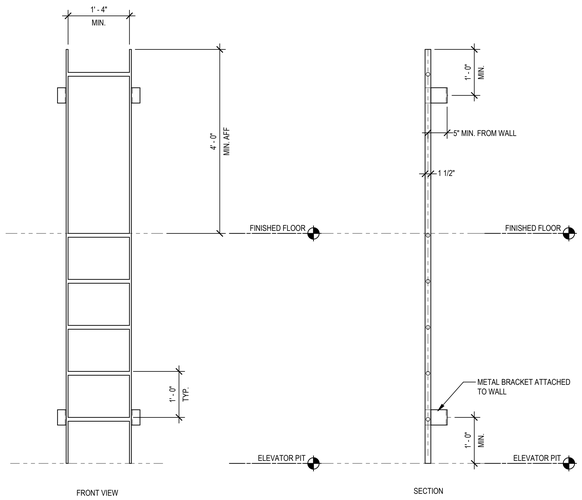
2 TYPICAL UPPER ELEVATOR PLAN
SCALE: 1/4" = 1'-0"



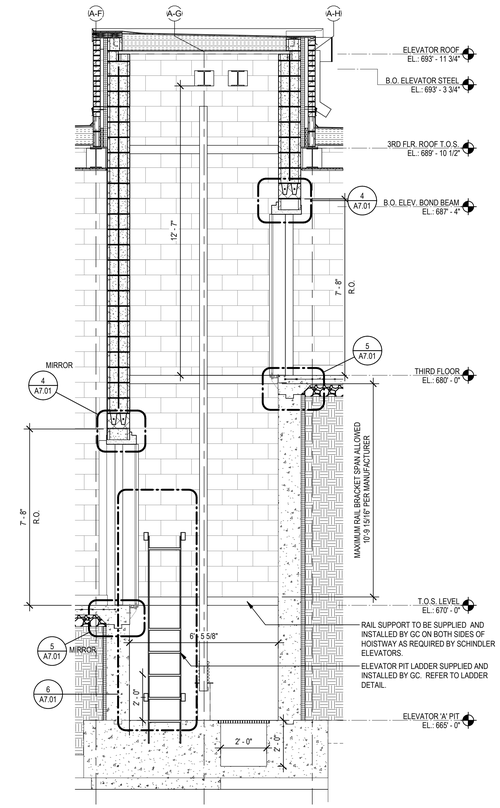


4 SECTION DETAIL - ELEVATOR DOOR HEAD
SCALE: 1 1/2" = 1'-0"

5 SECTION DETAIL - ELEVATOR TOP FLOOR
SCALE: 1 1/2" = 1'-0"



6 TYPICAL ELEVATOR PIT LADDER
SCALE: 3/4" = 1'-0"



3 TYPICAL ELEVATOR SHAFT
SCALE: 3/8" = 1'-0"

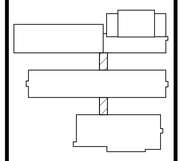
ELEVATOR NOTES

1. TEMPORARY HOISTWAY PLATFORM SHALL BE CONSTRUCTED BY GC IN ACCORDANCE WITH ELEVATOR MANUFACTURER. THIS PLATFORM SHALL BE COORDINATED BY THE GC WITH THE ELEVATOR MANUFACTURER SUPERINTENDENT.
2. HOISTWAY SHALL BE CONSTRUCTED IN A MANNER THAT PROVIDES A CLEAR PLUMB HOISTWAY WITH VARIATIONS NOT TO EXCEED +1" WITHIN THE FIRST 100 FT.
3. PIT FLOOR SHALL BE DRY, LEVEL, FREE OF BUMPS AND DEBRIS. HOISTWAY ENCLOSURE TO BE FIRE RATED PER NATIONAL CODE REQUIREMENTS AND APPLICABLE BUILDING CODES.
4. HOISTWAY SHALL BE CLEAR FLAT SO THAT THE VERTICAL OR HORIZONTAL SURFACES FOR MOUNTING RAIL BRACKETS AT EACH FLOOR IN OVERHEAD AND INTERMEDIATE LEVELS (IF REQUIRED) ARE IN THE SAME VERTICAL PLANE AS THE CLEAR HOISTWAY LINE. SCHINDLER WILL PROVIDE RAIL BRACKET INSERTS TO BE INSTALLED BY GC.

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

PROJECT

ELEVATOR DETAILS

DWG TITLE

DRAWING BY: R.L.S.
CHECKED BY: K.G.

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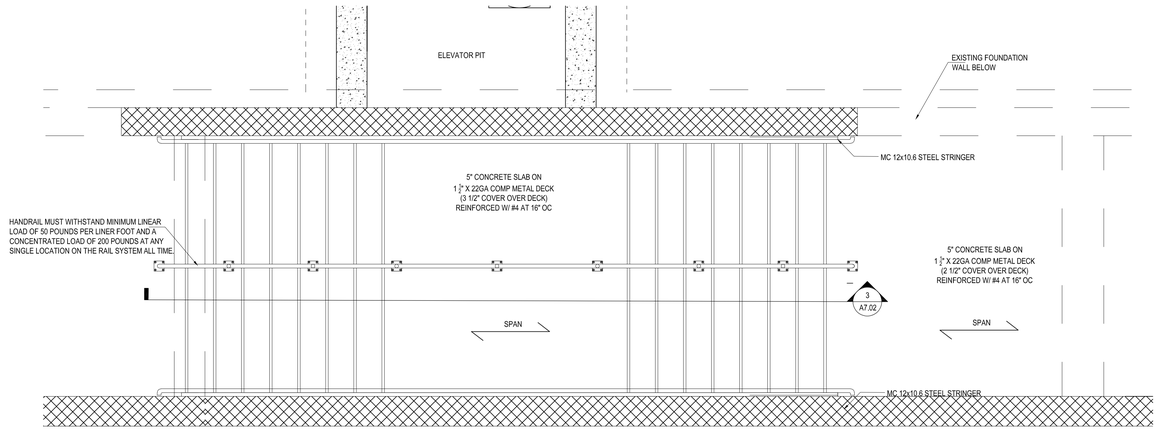
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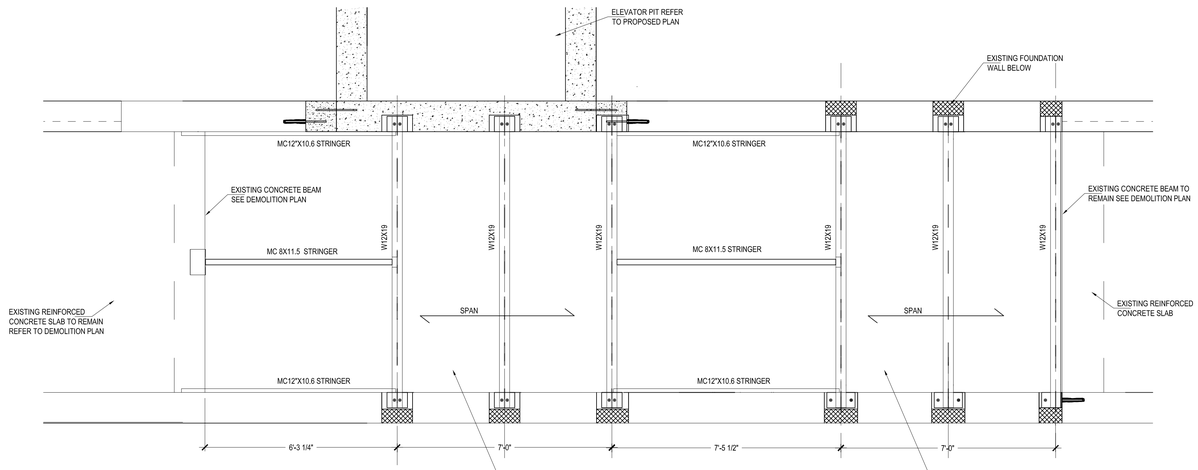
SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE	ELEVATOR DETAILS
SCALE:	AS NOTED
DATE:	1/21/2026
BID PICK UP:	5/18/2026
FILE No.	25-237

A7.01



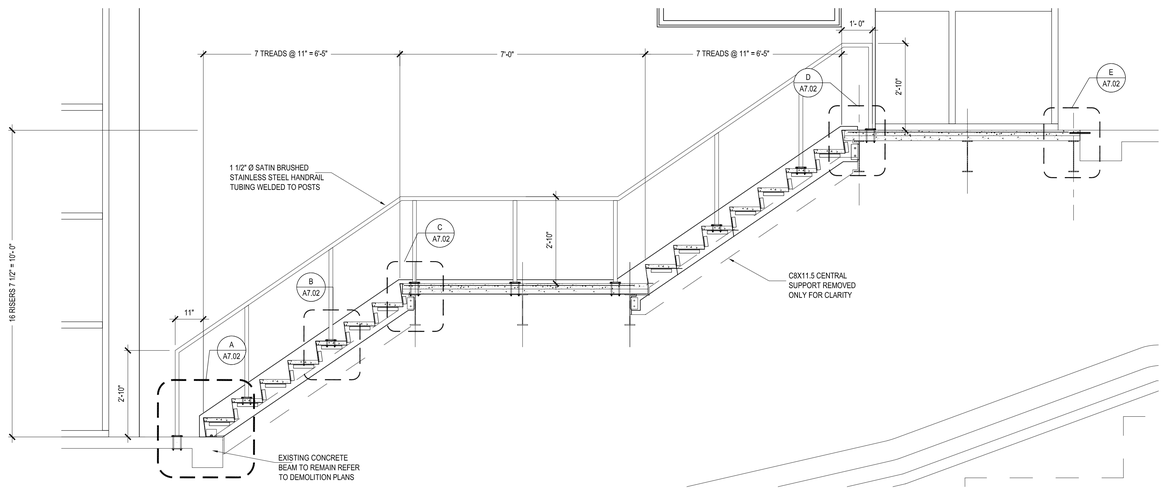
1 LINK CORRIDOR STAIRS PLAN

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



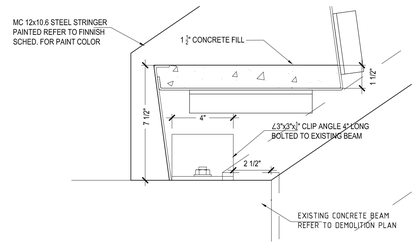
2 STAIRS STRUCTURAL PLANS

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



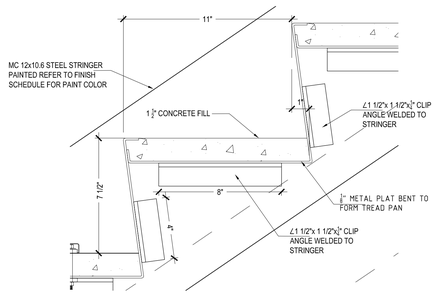
3 STAIRS SECTION A

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



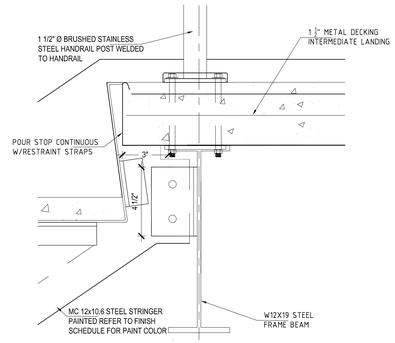
A STAIR STRINGER BASE SUPPORT

SCALE: 3" = 1'-0"



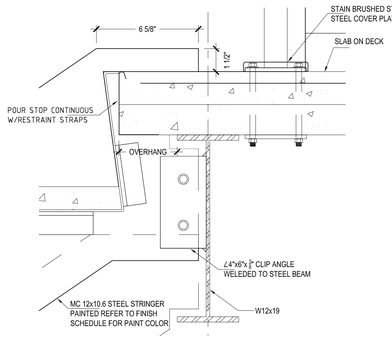
B TYPICAL TREAD AND RISER DETAIL

SCALE: 3" = 1'-0"



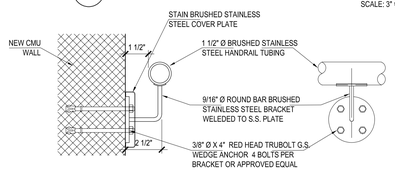
C INTERMEDIATE LANDING TO STRINGER DETAIL

SCALE: 3" = 1'-0"



D UPPER LANDING TO STRINGER DETAIL

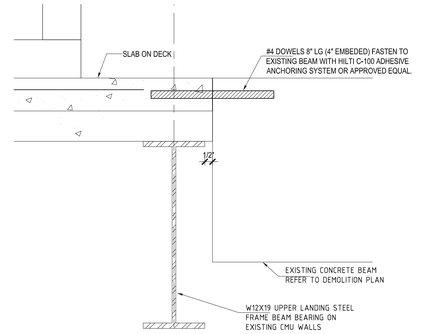
SCALE: 3" = 1'-0"



H TYPICAL HANDRAIL WALL BRACKET DETAIL

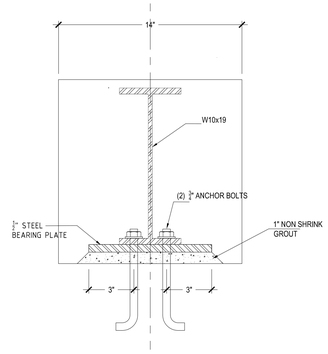
SCALE: 3" = 1'-0"

NOTE:
HANDRAIL MUST WITHSTAND MINIMUM LINEAR LOAD OF 50 POUNDS PER LINER FOOT AND A CONCENTRATED LOAD OF 200 POUNDS AT ANY SINGLE LOCATION ON THE RAIL SYSTEM ALL TIME.



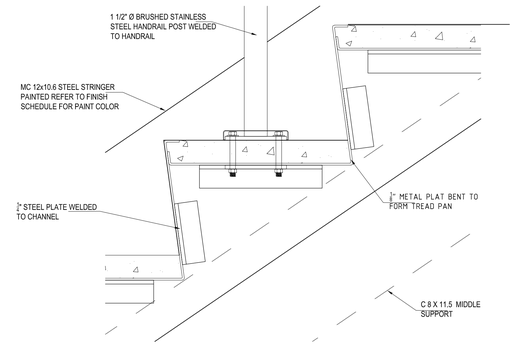
E UPPER LANDING EXTENTION SUPPORT

SCALE: 3" = 1'-0"



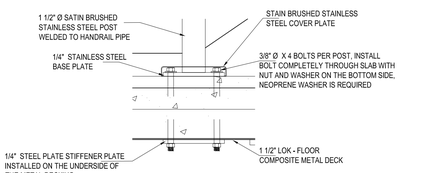
F TYPICAL BEAM POCKET DETAIL

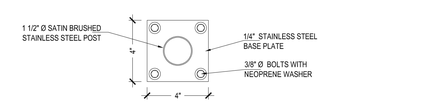
SCALE: 3" = 1'-0"



G INTERMEDIATE FLIGHT SUPPORT DETAIL

SCALE: 3" = 1'-0"





I TYPICAL HANDRAIL POST BASE CONNECTION DETAIL

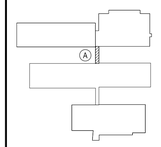
SCALE: 3" = 1'-0"

NOTE:
NEOPRENE OR RUBBER WASHER IS REQUIRED TO BREAK THE METAL -TO -METAL CONTACT BETWEEN FASTENERS AND DIFFERENT METALS.

REV.	DATE	ITEM

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MILLBROOK CENTRAL SCHOOL DISTRICT
MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE-1A

PROJECT

STAIRS PLANS AND DETAILS
CORRIDOR "A" & "B"

DWG TITLE

DRAWING BY:

CHECK BY:

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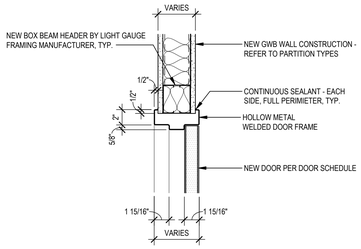
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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	MILLBROOK MIDDLE SCHOOL
DWG TITLE	STAIRS PLAN AND DETAILS CORRIDOR "A" & "B"
SCALE:	AS NOTED
DATE:	DECEMBER 2022
BID PICK-UP:	05/18/2026
FILE No:	25-237

A7.02

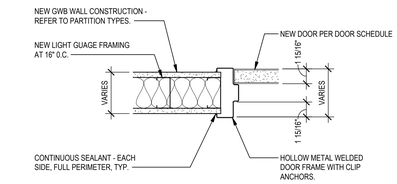
DOOR SCHEDULE

DOOR No.	LOCATION		SIGNAGE	DOOR							FRAME			HARDWARE	DETAIL			FIRE	REMARKS
	FROM ROOM	TO ROOM		LEAVES	WIDTH	HEIGHT	THICKNESS	ELEV. TYPE	MATERIAL	GLAZING	TYPE	MATERIAL	GLAZING	SET	HEAD	JAMB	THOLD	RATING	
001	CORRIDOR A - LOWER VESTIBULE 130	CORRIDOR A - LOWER VESTIBULE C3	---	2	3' - 0"	7' - 0"	1 3/4"	A	H.M.	S.L.	F1	H.M.	S.L.	01	H1	J1	T2	20 MIN.	PROVIDE MAG. HOLD-OPEN AND KICKPLATES
002	EXTERIOR	CORRIDOR A - LOWER VESTIBULE C3	---	2	3' - 0"	7' - 0"	1 3/4"	A	FRP	SG-1	CW1	ALUM.	SG-1	02	H2	J2	T1		
003	CORRIDOR B - LOWER VESTIBULE C6	FIRST FLOOR CORRIDOR A	---	2	3' - 0"	7' - 0"	1 3/4"	A	H.M.	S.L.	F1	H.M.	S.L.	01	H1	J1	T2	20 MIN.	PROVIDE MAG. HOLD-OPEN AND KICKPLATES
004	EXTERIOR	CORRIDOR B - LOWER VESTIBULE C6	---	2	3' - 0"	7' - 0"	1 3/4"	A	FRP	SG-1	CW1	ALUM.	SG-1	02	H2	J2	T1		



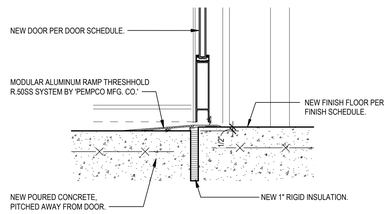
H1 TYP. HEAD DETAIL @ INTERIOR

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



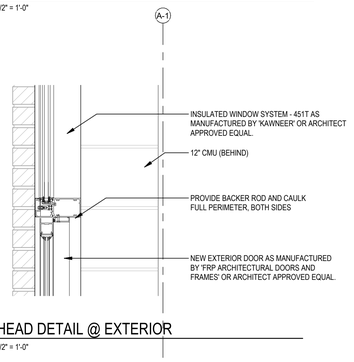
J1 TYP. JAMB DETAIL @ INTERIOR

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



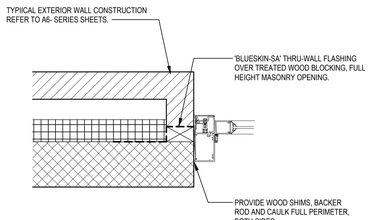
T1 TYP. THRESHOLD DETAIL @ EXTERIOR

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



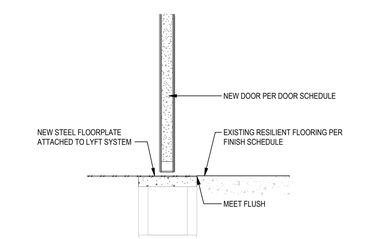
H2 TYP. HEAD DETAIL @ EXTERIOR

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



J2 TYP. JAMB DETAIL @ EXTERIOR

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



T2 TYP. THRESHOLD DETAIL @ INTERIOR

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

ABBREVIATION LEGEND

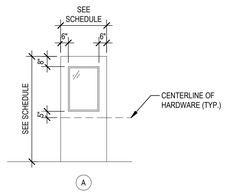
ALUM.	ALUMINUM
F.R.P.	FIBERGLASS REINFORCED POLYESTER
H.M.	HOLLOW METAL
S.L.	1/4" SAFETY LAMINATED GLAZING

DOOR NOTES

1. ALL DOORS, FRAMES AND HARDWARE SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
2. GENERAL CONTRACTOR SHALL COORDINATE ALL KEYING WITH OWNER.
3. ALL GLAZING IN DOORS SHALL BE INSTALLED IN METAL VISION KIT TO MATCH FIRE LABEL. VISION KIT COLOR SHALL BE AS SELECTED BY ARCHITECT. INTERIOR GLAZING TYPES AND SIZES SHALL CONFORM TO NFPA 80 AND/OR ASTM E119. WHERE SECURITY GLAZING IS INDICATED, VISION KIT SHALL BE THROUGH BOLT TYPE.
4. ALL NEW H.M. FRAMES SHALL BE FULLY WELDED WRAP AROUND TYPE (UNLESS OTHERWISE NOTED OR DETAILED). THROATS SHALL BE SIZED ACCORDING TO WALL THICKNESS AND FINISH, REFER TO FLOOR PLAN AND ENLARGED DETAILS FOR ADDITIONAL INFORMATION.
5. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING HEIGHT AND WIDTH OF PROPOSED DOORS TO BE INSTALLED IN EXISTING FRAMES (PRIOR TO SHOP DRAWING SUBMITTAL) TO ENSURE PROPER FIT AND DOOR FUNCTION.
6. ALL NEW HOLLOW METAL FRAMES AND HOLLOW METAL DOORS SHALL BE FINISH PAINTED. REFER TO SPECIFICATION SECTION 09900 FOR PAINT TYPE. COLOR AS SELECTED BY ARCHITECT.
7. FIRE RATED GLAZING WITH SURFACE APPLIED FILMS WILL NOT BE CONSIDERED EQUIVALENT WHERE LAMINATED FILM IS SPECIFIED.

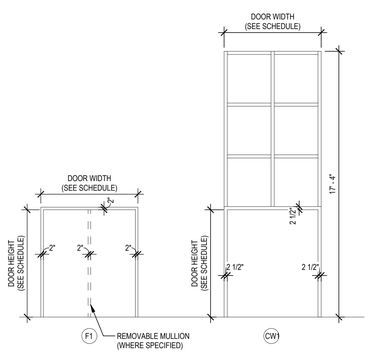
SECURITY GLAZING and PANEL NOTES

1. SECURITY FILM (SF) SHALL BE 'SCOTCHSHIELD ULTRA S800' SAFETY AND SECURITY FILM AS MANUFACTURED BY '3M' OR ARCHITECT APPROVED EQUAL. LOCATIONS AS INDICATED ON THE DRAWINGS.



DOOR TYPE ELEVATIONS

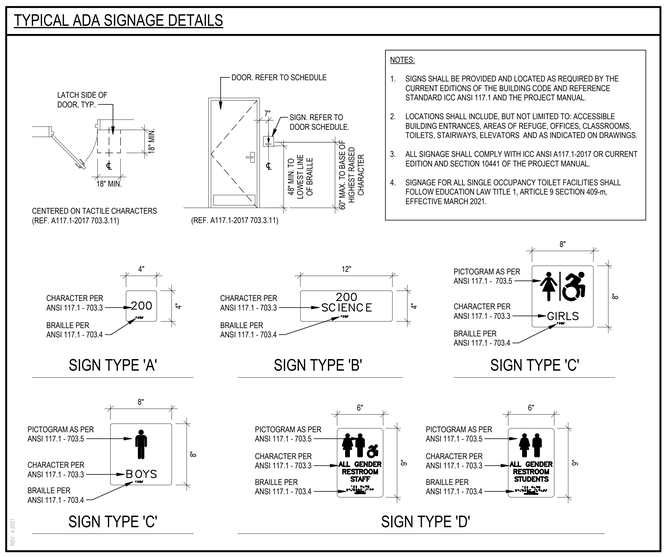
SCALE: 1/4" = 1'-0" NOTE: REFER TO DOOR SCHEDULE FOR DOOR MATERIAL AND GLAZING TYPE (WHERE APPLICABLE).



FRAME TYPE ELEVATIONS

SCALE: 1/4" = 1'-0" NOTE: REFER TO DOOR SCHEDULE FOR DOOR FRAME MATERIAL.

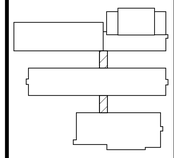
TYPICAL ADA SIGNAGE DETAILS



REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT

MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

DWG TITLE

DOOR SCHEDULE AND DETAILS

DRAWING BY: E.N.

CHECKED BY: K.G.

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SED No: 13-22-01-04-0-008-016

DISTRICT: MILLBROOK CENTRAL SCHOOL DISTRICT

PROJECT: BOND PHASE 1A MILLBROOK MIDDLE SCHOOL

DWG TITLE: DOOR SCHEDULE AND DETAILS

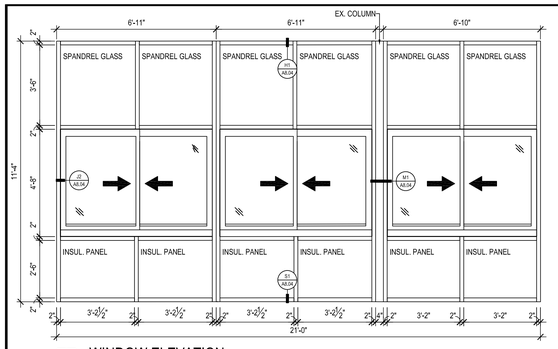
SCALE: AS NOTED

DATE: 1/21/2026

BID PICK UP: 5/18/2026

FILE No. 25-237

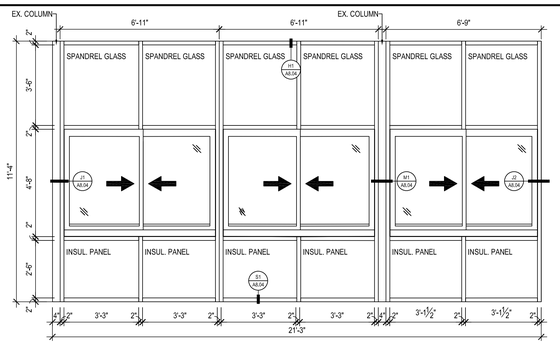
A8.01



W1 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

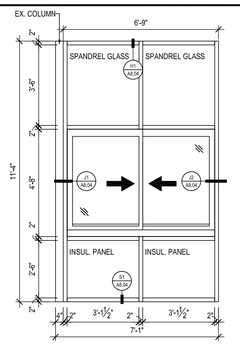
SCALE: 3/8" = 1'-0"



W2 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

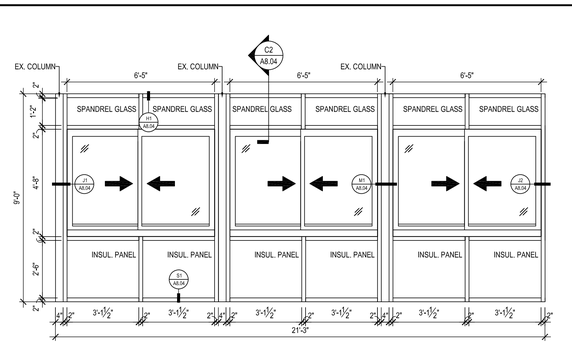
SCALE: 3/8" = 1'-0"



W3 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

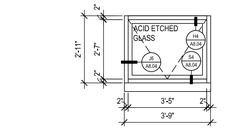
SCALE: 3/8" = 1'-0"



W6A WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

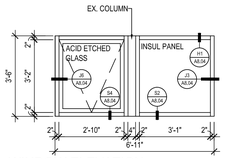
SCALE: 3/8" = 1'-0"



W16 WINDOW ELEVATION

TYPICAL ELEVATION.

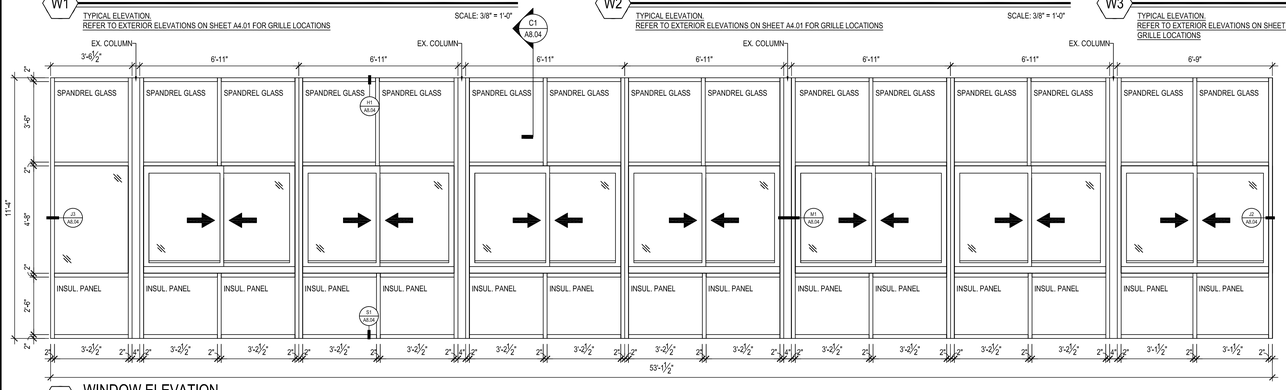
SCALE: 3/8" = 1'-0"



W10 WINDOW ELEVATION

TYPICAL ELEVATION.

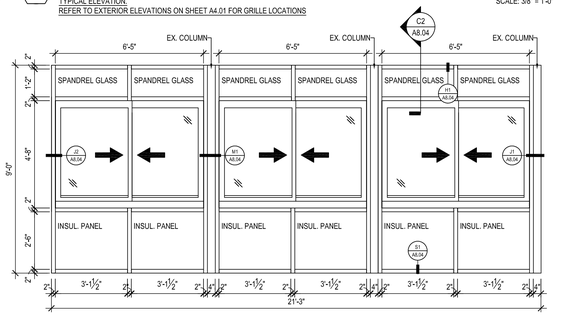
SCALE: 3/8" = 1'-0"



W5 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

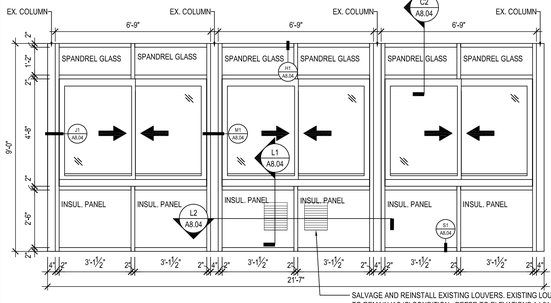
SCALE: 3/8" = 1'-0"



W6 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

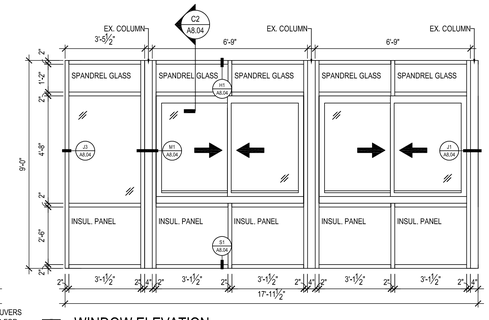
SCALE: 3/8" = 1'-0"



W7 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

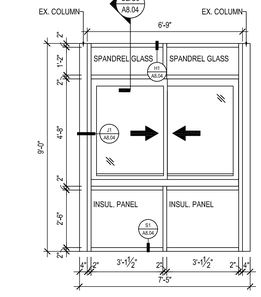
SCALE: 3/8" = 1'-0"



W8 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

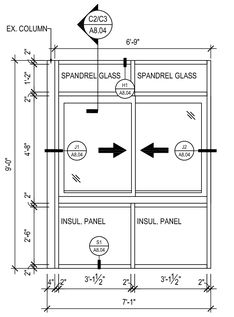
SCALE: 3/8" = 1'-0"



W9 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

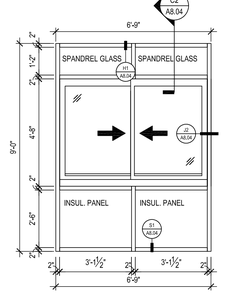
SCALE: 3/8" = 1'-0"



W11 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

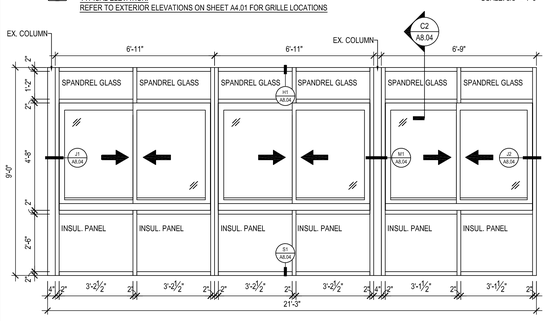
SCALE: 3/8" = 1'-0"



W12 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

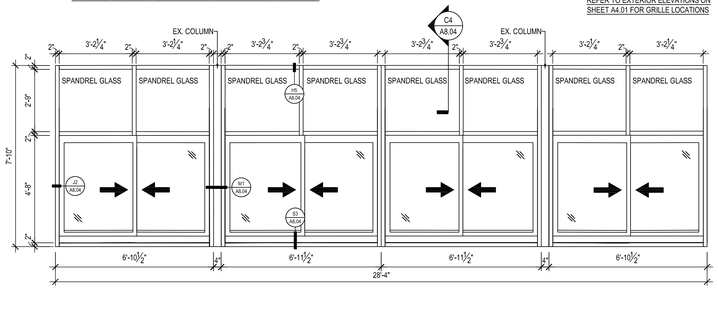
SCALE: 3/8" = 1'-0"



W13 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

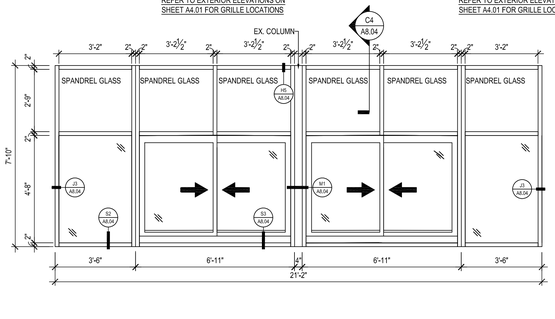
SCALE: 3/8" = 1'-0"



W14 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

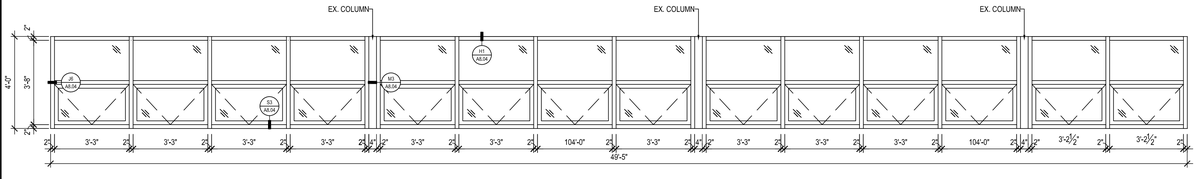
SCALE: 3/8" = 1'-0"



W15 WINDOW ELEVATION

TYPICAL ELEVATION.
REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS

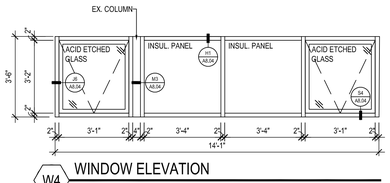
SCALE: 3/8" = 1'-0"



W17 WINDOW ELEVATION

TYPICAL ELEVATION.

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



W4 WINDOW ELEVATION

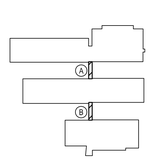
TYPICAL ELEVATION.

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

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE

WINDOW ELEVATIONS

DRAWING BY: JG

CHECK BY: ---

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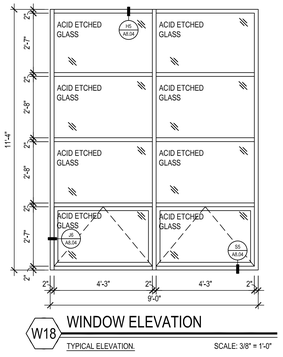
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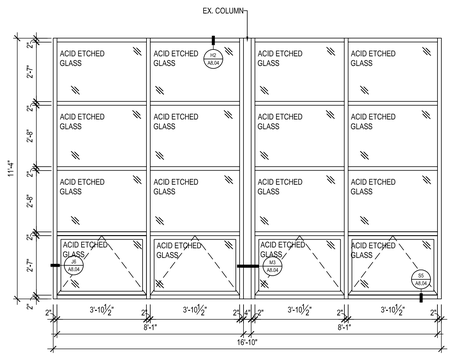
SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	WINDOW ELEVATIONS
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

A8.02



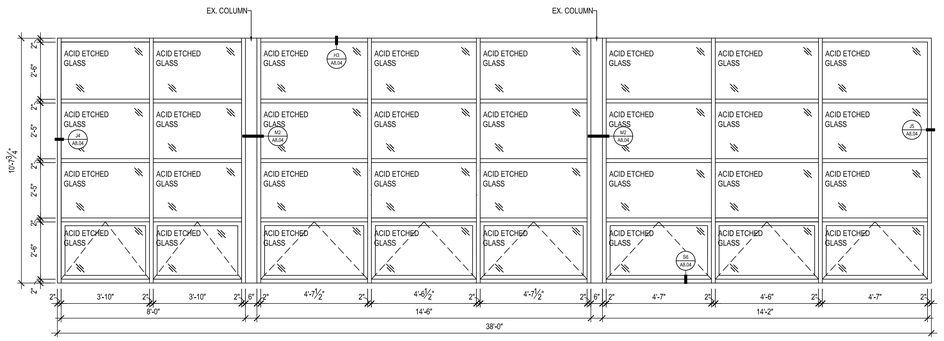
W18 WINDOW ELEVATION

TYPICAL ELEVATION. SCALE: 3/8" = 1'-0"



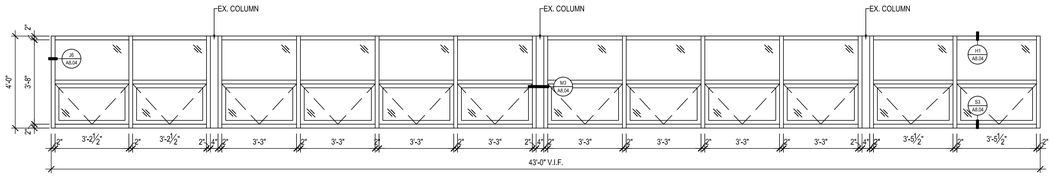
W19 WINDOW ELEVATION

TYPICAL ELEVATION. SCALE: 3/8" = 1'-0"



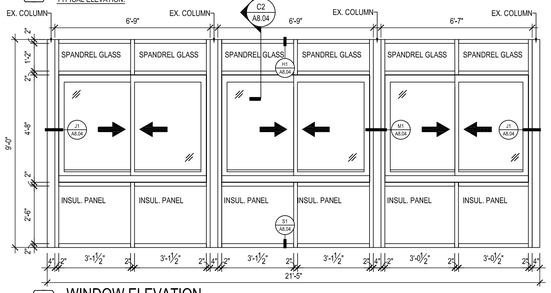
W20 WINDOW ELEVATION

TYPICAL ELEVATION. SCALE: 3/8" = 1'-0"



W27 WINDOW ELEVATION

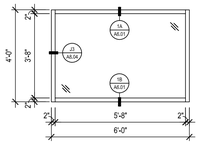
TYPICAL ELEVATION. SCALE: 3/8" = 1'-0"



W25 WINDOW ELEVATION

TYPICAL ELEVATION. SCALE: 3/8" = 1'-0"

REFER TO EXTERIOR ELEVATIONS ON SHEET A4.01 FOR GRILLE LOCATIONS



W26 WINDOW ELEVATION

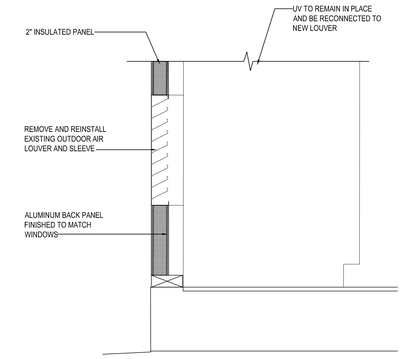
TYPICAL ELEVATION. SCALE: 3/8" = 1'-0"

WINDOW REPLACEMENT NOTES :

1. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, REINSTALLATION OR RELOCATION OF ANY/ALL ELECTRICAL FIXTURES, CONDUIT PIPING, SECURITY DEVICES, FIRE ALARM DEVICES, CABLES, ETC. THAT MAY IMPEDE THE REMOVAL OF EXISTING WINDOW SYSTEMS OR THE INSTALLATION OF THE NEW WINDOW SYSTEMS.
2. PRIOR TO WINDOW INSTALLATION, ANY EXISTING EXPOSED STEEL LINTELS ARE TO BE SCRAPED, PRIMED, AND PAINTED.
3. CONTRACTOR TO REMOVE AND DISPOSE OF ALL EXISTING WINDOW TREATMENTS.
4. CONTRACTOR TO SUPPLY AND INSTALL NEW MANUAL-OPERATED ROLLER SHADES AS REQUIRED AT EACH WINDOW UNIT. ROLLER SHADES TO BE CLUTCH OPERATED FLEXSHADE AS MANUFACTURED BY DRAPER, INC, OR APPROVED EQUAL. REFER TO PROJECT MANUAL SPECIFICATIONS FOR ADDITIONAL INFO.

ADD ALTERNATE NO.2 NOTES :

1. G.C TO SUPPLY AND INSTALL SECURITY FILM (SF) ON ALL NEW WINDOWS. FILM TO BE SCOTCHSHIELD ULTRA S900' SAFETY AND SECURITY FILM AS MANUFACTURED BY 3M' OR ARCHITECT APPROVED EQUAL.



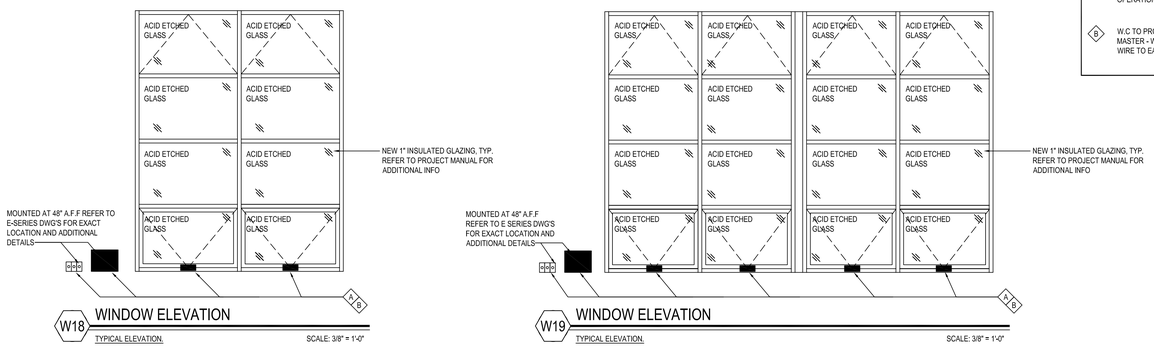
L1 LOUVER SECTION

TYPICAL SECTION. SCALE: 3/8" = 1'-0"

ADD ALTERNATE NO.1 NOTES :

A. W.C TO PROVIDE AND INSTALL WINDOW OPERATORS AND KEY SWITCHES. E.C TO CONNECT SWITCHES AND OPERATORS TO EACH CONTROL BOX PER THE OPERATION LEGEND AND IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.

B. W.C TO PROVIDE AND INSTALL ONE COMBINATION WIND AND RAIN SENSOR (WINDOW MASTER - WLA 330/331). E.C TO MOUNT THE SENSOR ON THE ROOF OF THE BUILDING AND WIRE TO EACH CONTROL BOX IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS.



W18 WINDOW ELEVATION

TYPICAL ELEVATION. SCALE: 3/8" = 1'-0"

W19 WINDOW ELEVATION

TYPICAL ELEVATION. SCALE: 3/8" = 1'-0"

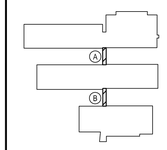
ADD ALTERNATE NO. 1 - ELECTRIC WINDOW OPERATORS

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

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

PROJECT

WINDOW ELEVATIONS

DWG TITLE

DRAWING BY: J.G.

CHECK BY: ...

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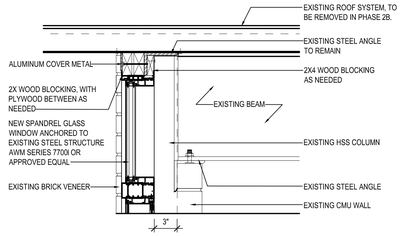
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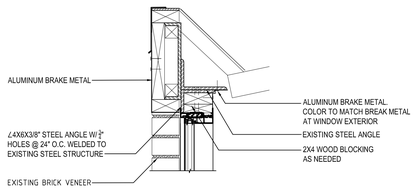
SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	WINDOW ELEVATIONS
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

A8.03



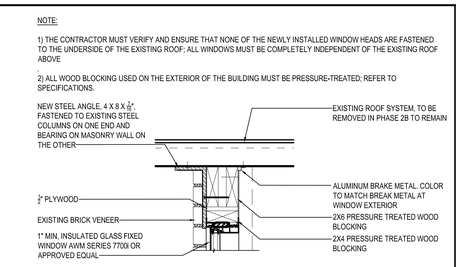
H1 WINDOW HEAD DETAIL

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



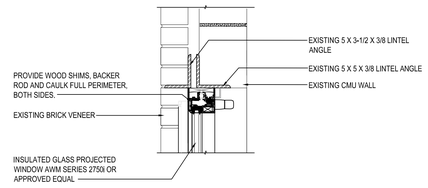
H2 WINDOW HEAD DETAIL GYM

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



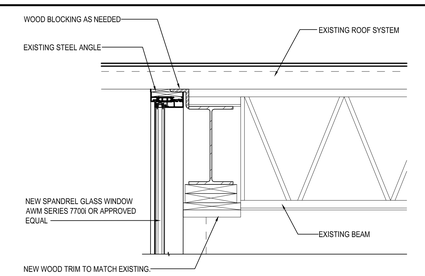
H3 WINDOW HEAD DETAIL (MUSIC ROOM)

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



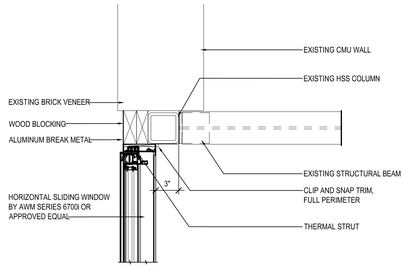
H4 WINDOW HEAD DETAIL

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



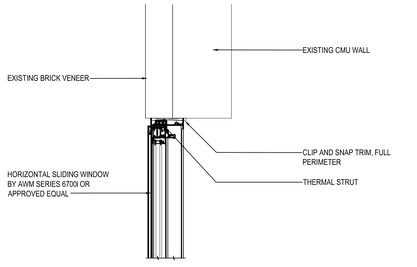
H5 WINDOW HEAD DETAIL

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



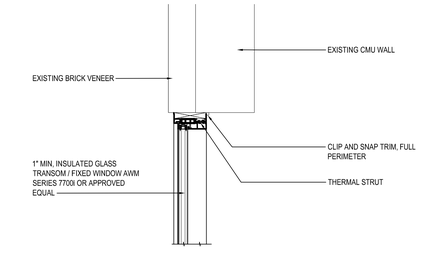
J1 WINDOW COLUMN JAMB DETAIL

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



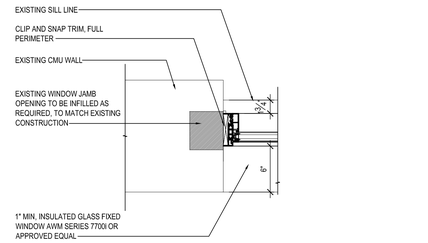
J2 WINDOW JAMB DETAIL

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



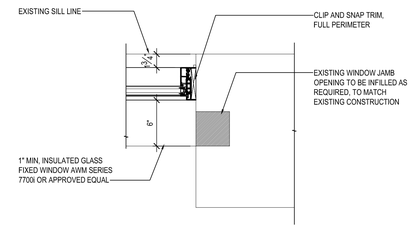
J3 WINDOW JAMB DETAIL

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



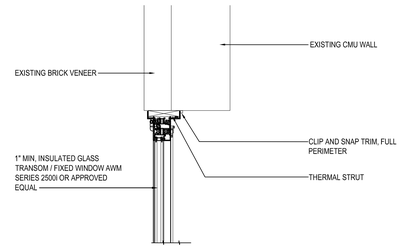
J4 WINDOW JAMB DETAIL - MUSIC ROOM

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



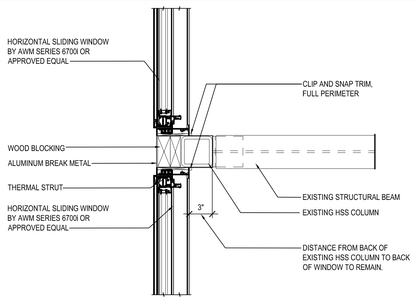
J5 WINDOW JAMB DETAIL - MUSIC ROOM

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



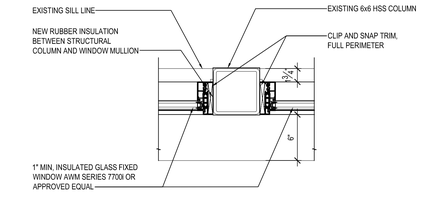
J6 WINDOW JAMB DETAIL

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



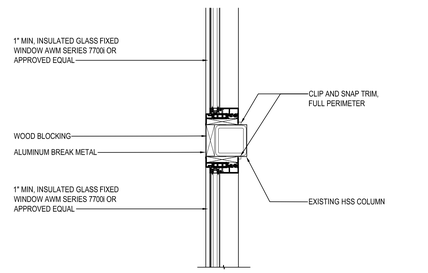
M1 WINDOW COLUMN MULLION DETAIL

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



M2 WINDOW COLUMN MULLION DETAIL (MUSIC ROOM)

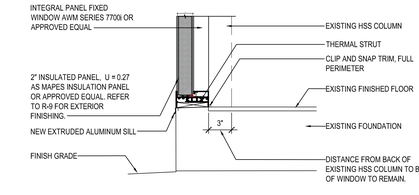
SCALE: 1-1/2" = 1'-0"



M3 WINDOW JAMB DETAIL

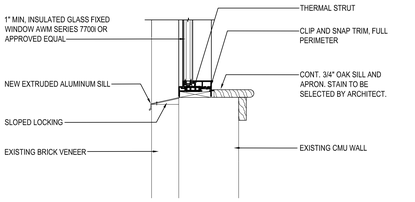
@ GYMNASIUM WINDOWS

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



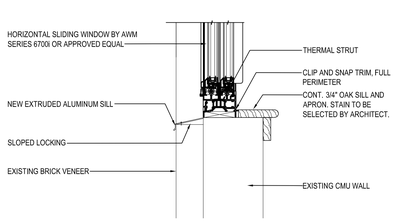
S1 WINDOW BASE DETAIL

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



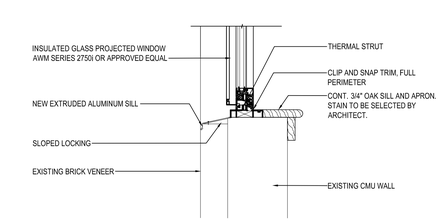
S2 WINDOW SILL DETAIL

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



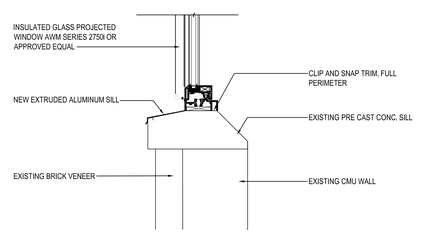
S3 WINDOW SILL DETAIL

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



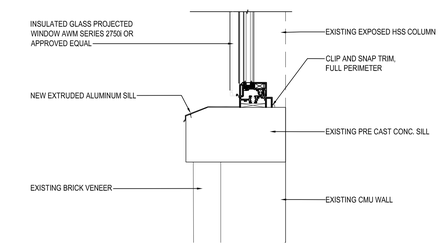
S4 WINDOW SILL DETAIL

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



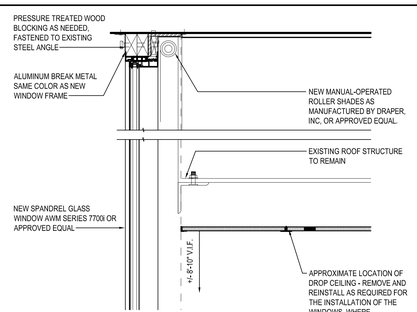
S5 WINDOW SILL DETAIL AT GYMNASIUM

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



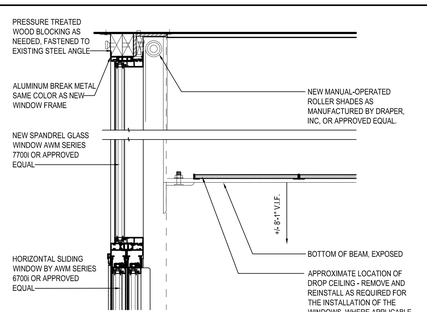
S6 SILL DETAIL AT MUSIC ROOM

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



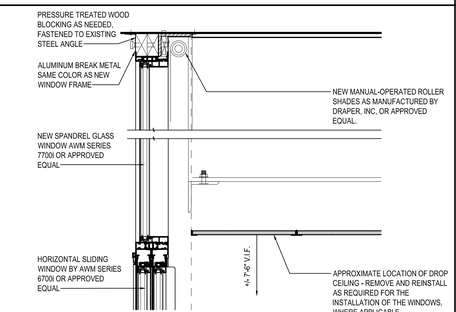
C1 CEILING DETAIL

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



C2 CEILING DETAIL

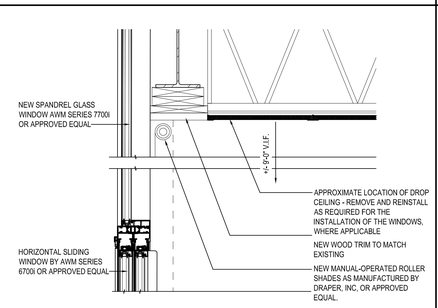
SCALE: 1-1/2" = 1'-0"



C3 CEILING DETAIL

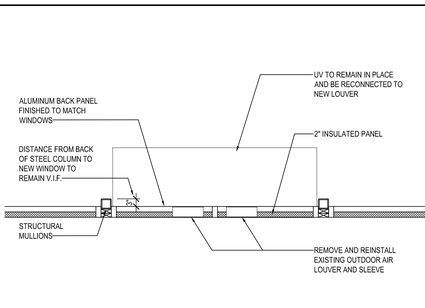
@ SCIENCE AND HOME ECONOMIC CLASSROOMS

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



C4 CEILING DETAIL

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



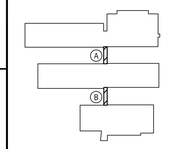
L2 LOUVER DETAIL

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

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

WINDOW DETAILS

PROJECT

DWG TITLE

DRAWING BY: J.G.

CHECK BY: • • •

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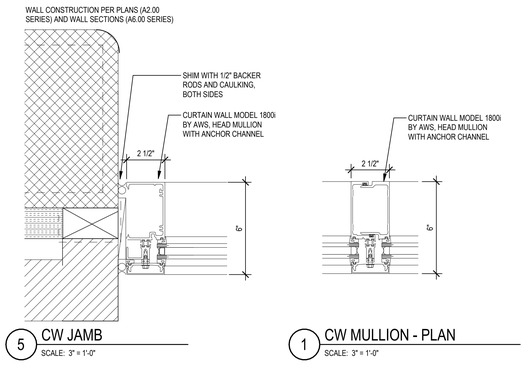
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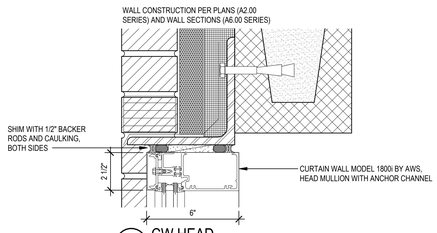
SED No:	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	WINDOW DETAILS
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

A8.04

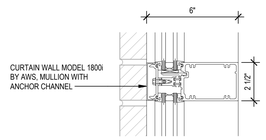


5 CW JAMB
SCALE: 3" = 1'-0"

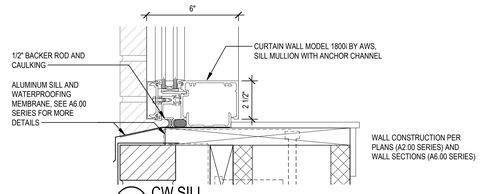
1 CW MULLION - PLAN
SCALE: 3" = 1'-0"



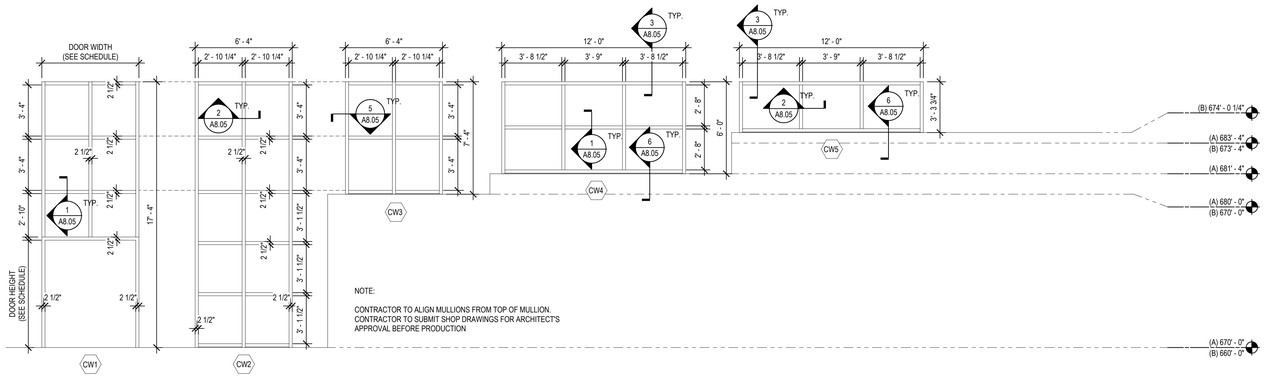
3 CW HEAD
SCALE: 3" = 1'-0"



2 CW MULLION - SECTION
SCALE: 3" = 1'-0"



6 CW SILL
SCALE: 3" = 1'-0"



NOTE:

CONTRACTOR TO ALIGN MULLIONS FROM TOP OF MULLION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ARCHITECT'S APPROVAL BEFORE PRODUCTION

NOTE: REFER TO DOO

STOREFRONT AND FRAMING NOTES

1. REFER TO CODE COMPLIANCE DRAWINGS FOR WIND LOAD DESIGN CRITERIA.

2. ALL EXTERIOR STOREFRONT, CURTAIN WALL AND EXTERIOR DOOR GLAZING SHALL BE 1" DIRECT GLAZED AS INDICATED UNLESS OTHERWISE NOTED. REFER TO SPECIFICATIONS FOR GLAZING TYPE & CONFIGURATION.

3. ALL STOREFRONT AND CURTAIN WALL FRAMING MEMBERS SHALL BE FACTORY FINISHED. COLOR: AS SELECTED BY ARCHITECT.

4. REFER TO WALL SECTIONS FOR STOREFRONT / CURTAIN WALL CONFIGURATION, ADJACENT CONDITIONS AND MATERIALS, AND TO ASSIST IN DETERMINING FASTENING LOCATIONS. STOREFRONT AND CURTAIN WALL SYSTEM SHALL BE SECURED TO STRUCTURE IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS TO MEET N.Y.S. WIND LOAD REQUIREMENTS

5. G.C. SHALL COORDINATE STOREFRONT / CURTAIN WALL OPENING LOCATIONS / QUANTITIES WITH FLOOR PLAN, ELEVATIONS, AND SCHEDULE.

6. G.C. SHALL SUBMIT SHOP DRAWINGS WITH CALCULATIONS TO SHOW COMPLIANCE WITH WIND PRESSURE LOADING, DEFLECTION AND MOVEMENT REQUIREMENTS. FRAME DEPTH 4 1/2", MAX. FRAME DEPTH 6" (U.O.N.).

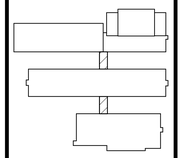
7. STOREFRONT FRAMING SYSTEM SHALL BE 6" x 2 1/2" 'I7700' BY 'AWS (ARCHITECTURAL WINDOWS SYSTEMS)'.

8. G.C. SHALL COORDINATE WIRING AND HARDWARE PREPARATION OF ELECTRONIC DOOR CONTROLS WITH E.C. FOR COMPLETE AND FUNCTIONAL OPERATION.

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

PROJECT
MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

DWG TITLE
CURTAIN WALL ELEVATIONS AND DETAILS

DRAWING BY: E.N.
CHECKED BY: K.G.

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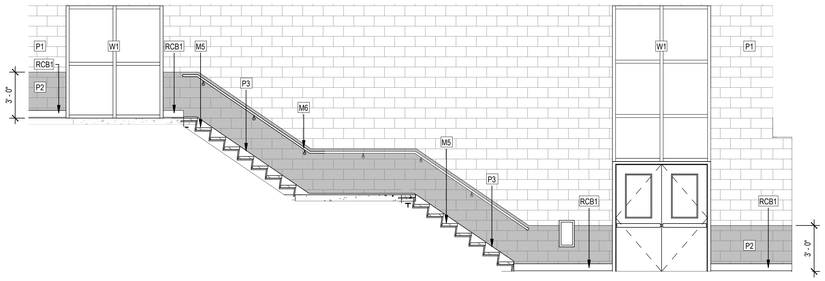
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SED No. 13-22-01-04-0-008-016
DISTRICT MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE CURTAIN WALL ELEVATIONS AND DETAILS

SCALE: AS NOTED
DATE: 1/21/2026
BID PICK UP: 5/18/2026
FILE No. 25-237

A8.05

FINISH SCHEDULE							
RM. NO.	LOCATION	FLOOR MATERIAL	BASE MATERIAL	WALLS FINISH	CEILING	STAIRS	REMARKS
	CORRIDOR B - LOWER VESTIBULE	VCT1	RCB1	P1, P2	ACT1	M5	
C2	CORRIDOR A - UPPER VESTIBULE	VCT1	RCB1	P1, P2	ACT1	M5	
C3	CORRIDOR A - LOWER VESTIBULE	VCT1	RCB1	P1, P2	ACT1	M5	
C5	CORRIDOR B - UPPER VESTIBULE	VCT1	RCB1	P1, P2	ACT1	M5	
EA	ELEVATOR A	VCT1	-	E1	-	-	
EB	ELEVATOR B	VCT1	-	E1	-	-	



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

PAINT TYPES

TYPE P1: PAINT BY SHERWINN WILLIAMS
LATEX EGGSHELL ENAMEL FINISH
COLOR: HERON PLUME SW 6070
(CORRIDORS & GENERAL)

TYPE P2: PAINT BY SHERWINN WILLIAMS
LATEX EGGSHELL ENAMEL FINISH
COLOR: HONORABLE BLUE SW 6811
(CORRIDORS & GENERAL)

TYPE P3: PAINT BY SHERWINN WILLIAMS
DTM ALKYD SEMI-GLOSS ENAMEL FINISH
COLOR: SOFTWARE SW 7074
(STRINGER)

TYPE P5: PAINT BY SHERWINN WILLIAMS
LATEX FLAT ENAMEL FINISH
COLOR: PURE WHITE SW 7005
(GYP. BD. BULKHEAD)

EXTERIOR WALL FINISHES

TYPE B1: FULL BRICK BY BOWERSTON
#940-3 TRI-BLEND
COLOR: GREY W/C MODULAR
(CORRIDORS & GENERAL)

ELEVATOR CAR WALL FINISHES

TYPE E1: ELEVATOR CAR INTERIOR FINISHES
TO BE SELECTED BY OWNER AND ARCHITECT AT LATER DATE
PROVIDED AND INSTALLED BY SCHINDLER
CONTRACTOR TO SUBMIT SAMPLES FOR ARCHITECT APPROVAL BEFORE PURCHASE

CEILING TYPES

TYPE ACT1: ACOUSTIC CEILING TILE BY "ARMSTRONG"
SIZE: 24" x 24" x 3/5"
STYLE: #1910 ULTIMA SQUARE LAY-IN
(CORRIDORS)

TYPE ACT2: GYPSUM WALLBOARD, SQUARE EDGE LAY-IN.
SIZE: 5/8" PRIME & PAINT WALLBOARD BM READY-MIX WHITE PRIOR TO INSTALLING. (BULKHEAD)

CEILING GRID BY "ARMSTRONG", 15/16" PRELUDE, U.O.N.
NOTE: ALL CEILING TILE & GRID TO BE PAINTED WHITE UNLESS OTHERWISE NOTED.

FLOOR TYPES

VINYL:

TYPE VCT1: 12" x 12" x 1/8 " VINYL COMPOSITE TILE AS MANUFACTURED BY 'TARKETT'.
COLOR: TO BE SELECTED BY ARCHITECT
(LOCATION)

RUBBER BASE TYPES

TYPE RCB1: 6" RUBBER COVE BASE BY 'TARKETT'
COLOR: TG3 IRON MOUNTAIN
(CORRIDORS)

ABBREVIATION LEGEND

ACT	ACOUSTIC CEILING TILE
CTILE	CARPET TILE
PFT	PORCELAIN FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CTCB	CERAMIC TILE COVE BASE
CWT	CERAMIC WALL TILE
EPOXY	EPOXY TERRAZZO
VET	VINYL ENHANCED TILE
LVT	LUXURY VINYL TILE
GYP	GYPSUM BOARD
RUB	RUBBER FLOOR TILE
RCB	RUBBER COVE BASE
TERR	TERRAZZO / TERRAZZO BASE
VCT	VINYL COMPOSITION TILE

FINISH NOTES

1. ALL FINISHED TYPES (STYLE/COLOR/PATTERN) SHALL BE OFF THE STANDARD OF QUALITY INDICATED BY THE PROJECT MANUAL. FINAL STYLE / COLOR / PATTERN TO BE SELECTED BY ARCHITECT.
2. ALL C.M.U. SURFACES SHALL BE PRIMED WITH INTERIOR & EXTERIOR BLOCK FILLER M88 INDUSTRIAL MAINTENANCE BY BENJAMIN MOORE PRIOR TO FINISH PAINT APPLICATION.
3. ALL NEW BRICK WALLS ARE TO REMAIN NATURAL, CLEANED AND SEALED, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
4. CONTRACTOR SHALL PREP, PRIME AND PAINT ALL SHEET METAL PIPE ENCLOSURES (INSTALLED BY M.C.) COLOR AS SELECTED BY ARCHITECT.
5. BEFORE PAINTING, CONCRETE SURFACES MUST CURE 30 DAYS. BLOCK AND PLASTER SURFACES MUST CURE FOR 30 DAYS.
6. REFER TO REFLECTED CEILING PLANS AND FINISH FLOOR PLANS FOR ADDITIONAL INFORMATION.
7. ALL INTERIOR FINISHES IN CORRIDOR SHALL BE 'CLASS - A' RATED.
8. PATCH, REPAIR AND FINISH CEILING, WALLS, AND FLOOR AT POINTS OF DEMOLITION TO MATCH EXISTING. EXISTING FINISHES TO REMAIN.
9. SHOULD ANY FINISH MATERIALS BE DISCONTINUED BY MANUFACTURER, THE CONTRACTOR MUST REPLACE WITH CLOSEST MATCH AT NO ADDITIONAL COST, AND SUBMIT TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
10. AT ROOMS HAVING EXISTING FLOOR TILE TO BE REMOVED AND / OR ABATED, CONTRACTOR SHALL PROVIDE AND INSTALL FLOOR PATCH (PLANIPATCH PLUS) BY 'MAPEI' OR ARCHITECT APPROVED EQUAL OVER ENTIRE EXISTING SUBSTRATE AND / OR CONCRETE SLAB TO PROVIDE A FLOOR SURFACE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND AS SPECIFIED FOR INSTALLATION OF FINISH FLOORING AS SPECIFIED ON FINISH SCHEDULE.
11. HOLLOW METAL DOOR FRAMES, SIDE LIGHTS AND WINDOW FRAMES SHALL BE PREPPED AND PAINTED AS PER PAINTING SPECIFICATION (ALL COLORS AS SELECTED BY ARCHITECT.)
12. CONTRACTOR SHALL PREP, PRIME AND PAINT SHEETROCK CEILINGS UNLESS OTHERWISE NOTED.
13. REFER TO FINISH FLOOR PLANS FOR TILE PATTERNS - THE TILE PATTERNS MAY NOT REPRESENT THE FINAL PATTERNS TO BE DESIGNED, INSTALLED AND TURNED OVER TO OWNER. THE BID SHALL BE BASED ON THE TILE MIX AND PERCENTAGES AS INDICATED IN THE PROJECT MANUAL.
14. ALL FINISHES SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
15. REFER TO REFLECTED CEILING PLANS, TOILET ROOM TILE PLANS AND FINISHED FLOOR PLANS FOR ADDITIONAL FINISH INFORMATION.
16. NEW TOILET AND URINAL PARTITIONS SHALL BE 1" THICK HDPE AS MANUFACTURED BY SCRANTON, ASI GLOBAL PARTITIONS, OR APPROVED EQUAL. (COLOR AND FINISH TO BE SELECTED BY ARCHITECT).
17. CONTRACTOR MUST USE BULLNOSE CMU AT ALL CMU WALL CORNERS.

GYPSUM BOARD FINISHING

1. GENERAL CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF GYPSUM ASSOCIATION TRADE PUBLICATION GA-214-96 'RECOMMENDED LEVELS OF GYPSUM BOARD FINISH' & 3.06 OF SPECIFICATION SECTION 09250.
   A. LEVEL 0 - FOR USE IN TEMPORARY CONSTRUCTION, OR WHERE FINAL FINISH/DECORATION HAS NOT BEEN DETERMINED.
   B. LEVEL 1 - FOR USE AT PLENUM AREAS, ABOVE CEILING, IN ATTICS & IN AREAS WHERE THE ASSEMBLY WOULD GENERALLY BE CONCEALED OR IN BUILDING CORRIDORS & OTHER AREAS NOT NORMALLY OPEN TO THE PUBLIC VIEW.
   C. LEVEL 2 - FOR USE AT LOCATIONS WHERE WATER-RESISTANT GYPSUM BACKING BOARD IS INSTALLED AS A TILE SUBSTRATE AND FOR USE IN GARAGES, WAREHOUSE STORAGE OR OTHER SIMILAR AREAS WHERE SURFACE APPEARANCES ARE NOT OF PRIMARY CONCERN.
   D. LEVEL 3 - FOR USE IN APPEARANCE AREAS THAT ARE TO RECEIVE HEAVY OR MEDIUM TEXTURE FINISHES BEFORE FINAL PAINTING, OR WHERE HEAVY - GRADE WALL COVERINGS ARE TO BE APPLIED AS THE FINAL DECORATION.
   E. LEVEL 4 - FOR USE WHERE LIGHT TEXTURE OR WALL COVERINGS ARE TO BE APPLIED, OR WHERE ECONOMY IS OF THE ARCHITECT'S CONCERN.
   F. LEVEL 5 - FOR USE WHERE GLOSS, SEMI-GLOSS, ENAMEL OR NON-TEXTURED FLAT PAINTS ARE SPECIFIED, OR WHERE SEVERE LIGHTING CONDITIONS OCCUR (IN THE OPTION OF THE ARCHITECT.)

NOTES

1. GENERAL CONTRACTOR SHALL PATCH ALL AREAS OF FLOOR DAMAGED BY THE REMOVAL OF MASTIC.
2. GENERAL CONTRACTOR SHALL FLASH PATCH ALL FLOORS IN THEIR ENTIRETY WHERE MASTIC REMOVAL HAS OCCURRED WITH (PLANIPATCH PLUS) BY 'MAPEI' OR ARCHITECT APPROVED EQUAL.
3. GENERAL CONTRACTOR SHALL PERFORM A BOND TEST IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. PRIOR TO INSTALLATION OF NEW FLOORING.
4. ALL NEW V.C.T. FLOORING TO BE INSTALLED THROUGHOUT ENTIRE FLOOR AREA IN AREA OF ADDITION AS SHOWN UNLESS OTHERWISE NOTED.

WINDOW FINISHES

TYPE W1: WINDOWS BY ARCHITECTURAL WINDOWS
NOTE: ALL WINDOW FRAMES UNLESS OTHERWISE NOTED SHOULD BE IN FINISH COLOR: CLEAR ANODIZED
ACCENT PANELS IN COLOR: FASHION GREY

TYPE W2: CLUTCH OPERATED FLEX SHADE BY DRAPER INC., OR ARCHITECT APPROVED EQUAL. COLOR TO BE CHOSEN LATER BY SCHOOL DISTRICT AND ARCHITECT.

MISCELLANEOUS

TYPE M1: ROOF ACCESS LADDER
IN FINISH: GALVANIZED STEEL

TYPE M2: ROOF EDGE BY Tremco
IN FINISH: ALUMINUM

TYPE M3: THRESHOLD COVERS BY AS NOTED IN SPECS
IN MATERIAL/ FINISH: ALUMINUM

TYPE M4: ELEVATOR BY SCHINDLER
MODEL 3300i

STAIR ACCESSORIES AND FINISHES

TYPE M5: RESILIENT RUBBER STAIR TREADS WITH INTEGRATED RISERS BY TARKETT OR ARCHITECT APPROVED EQUAL
COLOR: VK5 CAPE HATTERAS
CONTRACTOR TO SUBMIT SAMPLES FOR COLOR APPROVAL

STRINGERS TO BE COLORED USIND PAINT COLOR 3 (P3)

TYPE M6: STAINLESS STEEL HANDRAIL
304 BRUSH FINISH

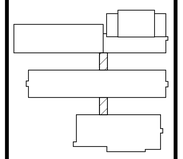
SYMBOL LEGEND

SYMBOL	DESCRIPTION
	VINYL COMPOSITE TILE (VCT1)
	ALUMINUM THRESHOLD COVER (M3)
	RUBBER TREADS WITH INTEGRATED RISERS (M5)
P4	FINISH TAG (SEE SCHEDULE)
101	DOOR NUMBER
E	WINDOW DESIGNATION
F.E.	LOCATION OF NEW OR EXISTING FIRE EXTINGUISHER CABINET.
	WALL FINISH - P1
	WALL FINISH - P1/P2
WALL TYPE / BASEBOARD TYPE / FLOOR TYPE / CEILING TYPE / CEILING HEIGHT — P1 / RCB1 / VCT1 / ACT1 9' - 0 1/2"	FINISH TAG

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

PROJECT
MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUCHESS COUNTY

DWG TITLE
FINISH SCHEDULE

DRAWING BY: E.N.
CHECKED BY: K.G.

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F. 631.475.0361

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ALBANY
NEW YORK 12205
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SED No. 13-22-01-04-0-008-016
DISTRICT MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE FINISH SCHEDULE

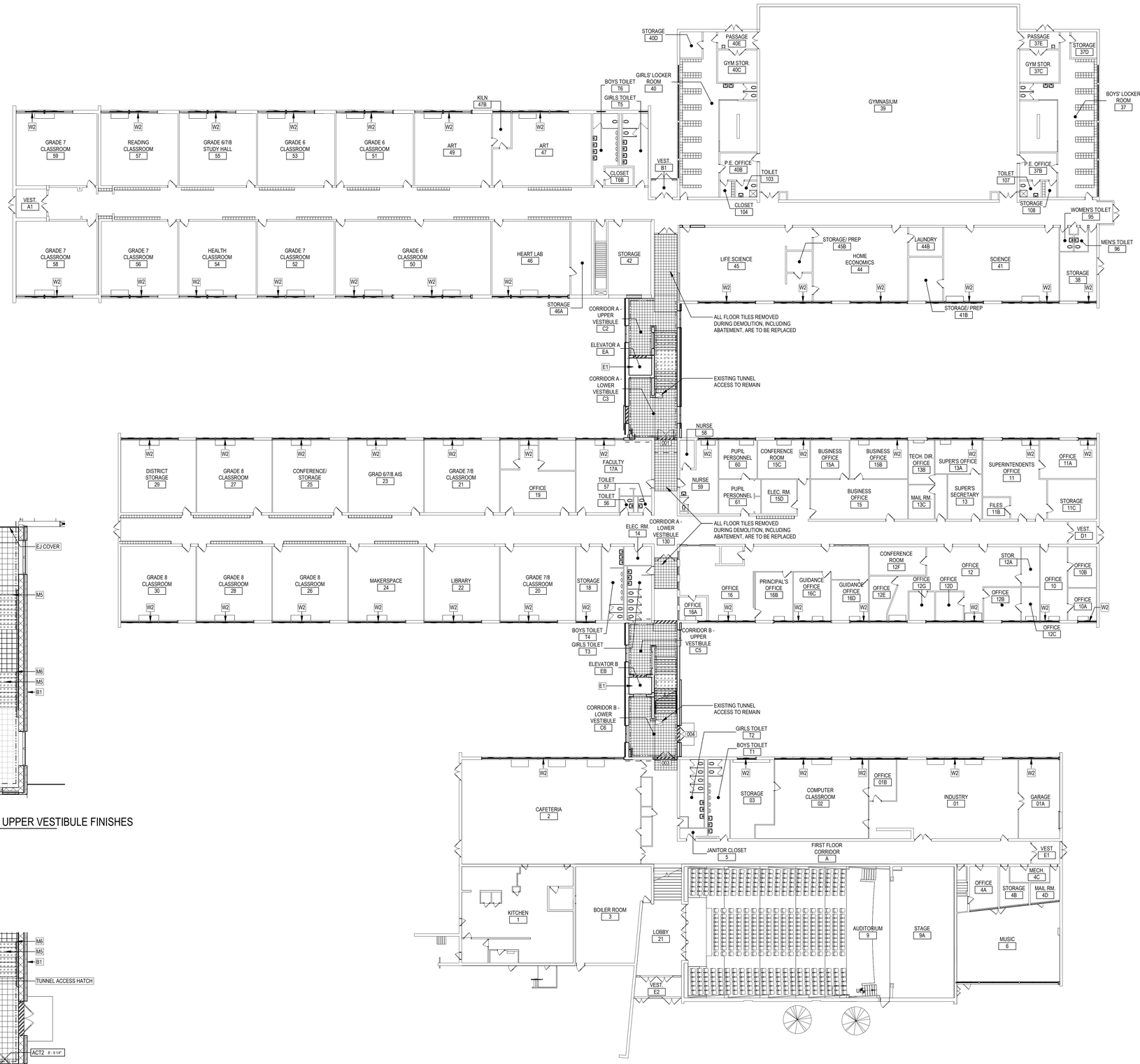
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DATE: 1/21/2026
BID PICK UP: 5/18/2026
FILE No. 25-237

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SYMBOL LEGEND

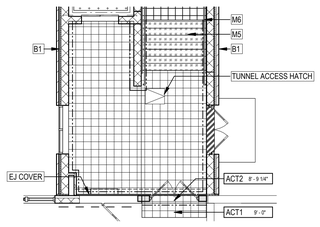
SYMBOL	DESCRIPTION
	VINYL COMPOSITE TILE (VCT1)
	ALUMINUM THRESHOLD COVER (M3)
	E.J. COVER
	RUBBER TREAD W/ INTEGRAL RISER
101	DOOR NUMBER
E	WINDOW DESIGNATION
F.E.	LOCATION OF NEW OR EXISTING FIRE EXTINGUISHER CABINET.
	WALL FINISH - P1
	WALL FINISH - P1/P2
	WALL FINISH - E1
WALL TYPE / BASEBOARD TYPE / FLOOR TYPE / CEILING TYPE / CEILING HEIGHT — P1 / RCB1 / VCT1 / ACT1 9' 6 1/2"	FINISH TAG

NOTE: IN ANY AREA WHERE THE EXISTING FINISHES ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION AND NO FINISHES ARE SPECIFIED, THE G.C. MUST RE-FINISH THE AFFECTED AREA TO MATCH THE EXISTING FINISH THAT WAS THERE PREVIOUSLY. ARCHITECT APPROVAL REQUIRED BEFORE PROCEDING.



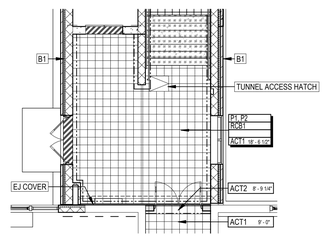
1 OVERALL FINISH FLOOR PLAN
SCALE: 1/16" = 1'-0"

5 LINK CORRIDOR B UPPER VESTIBULE FINISHES
SCALE: 1/8" = 1'-0"



4 LINK CORRIDOR B LOWER VESTIBULE FINISHES
SCALE: 1/8" = 1'-0"

3 LINK CORRIDOR A UPPER VESTIBULE FINISHES
SCALE: 1/8" = 1'-0"

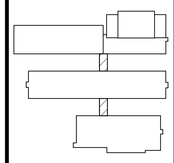


2 LINK CORRIDOR A LOWER VESTIBULE FINISHES
SCALE: 1/8" = 1'-0"

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
BOND PHASE 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK, NY/ DUTCHESS COUNTY

PROJECT

FINISH FLOOR PLANS

DWG TITLE

DRAWING BY: E.N.
CHECKED BY: K.G.

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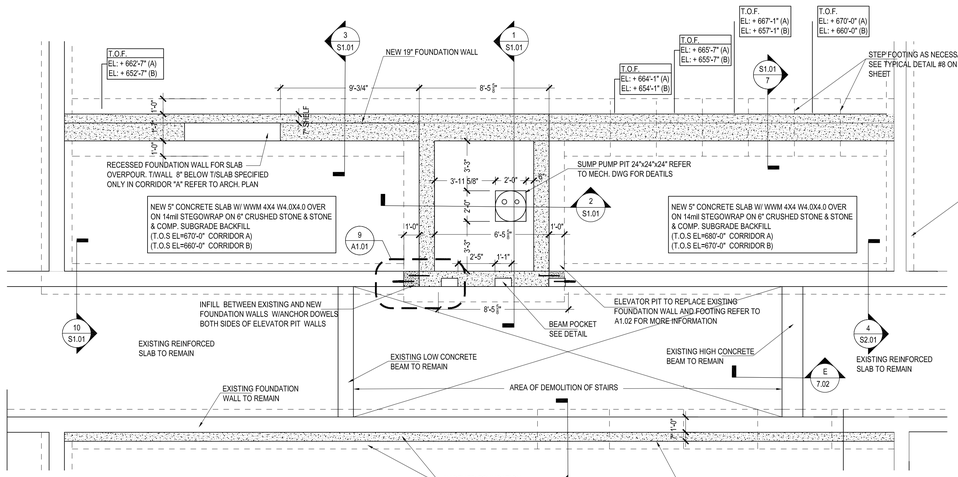
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NEW YORK 11772
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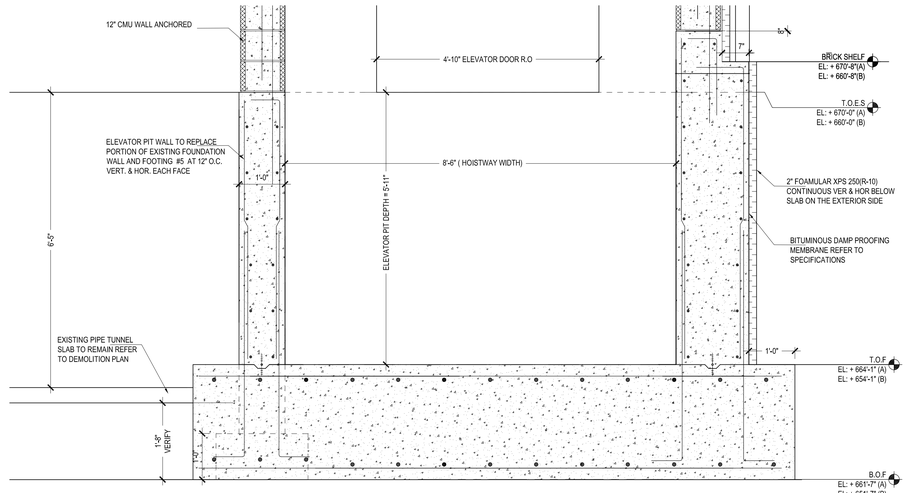
SED No:	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	BOND PHASE 1A MILLBROOK MIDDLE SCHOOL
DWG TITLE	FINISH FLOOR PLANS
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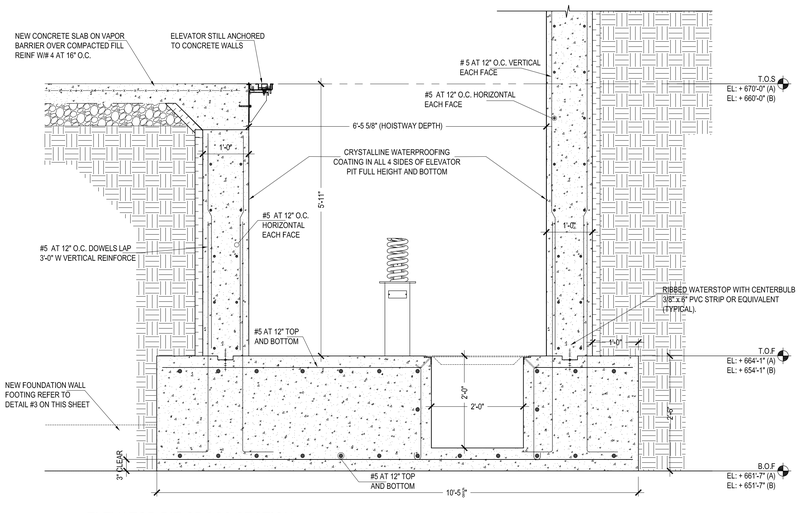
A FOUNDATION PLAN

BOTH CORRIDORS "A" AND "B" SCALE: 1/4" = 1'-0"



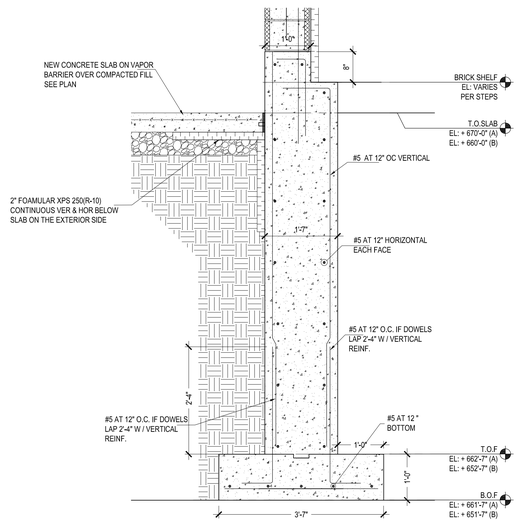
1 ELEVATOR PIT LONGITUDINAL SECTION

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



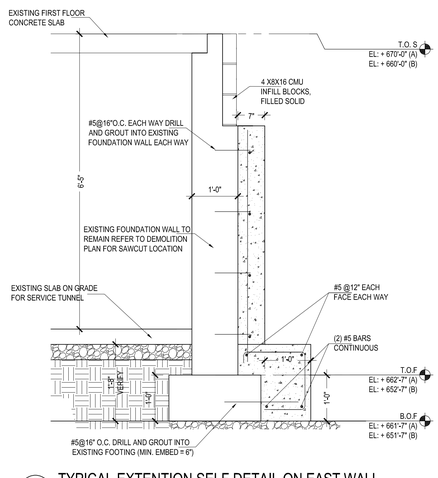
2 ELEVATOR PIT CROSS SECTION

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



3 FOUNDATION TYPICAL

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



4 TYPICAL EXTENTION SELF DETAIL ON EAST WALL

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

EXCAVATION NOTES

A. ASSUME 100'Y ROCK REMOVAL AT LOWER CORRIDOR B TO 12" BELOW BOTTOM OF PROPOSED FOOTING, AND REPLACEMENT WITH STRUCTURAL (ENGINEERED) FILL. FOOTINGS ARE NOT TO BE PINNED TO BEDROCK. IF FEASIBLE, ROCK REMOVAL SHOULD BE PERFORMED BY RIPPING TECHNIQUE, BUT WHATEVER METHOD IS EMPLOYED SHALL NOT DISTURB THE EXISTING BUILDING AND SHALL MINIMIZE DAMAGE TO THE BEDROCK.

B. FOUNDATION WALLS SHALL BE DAMPPROOFED WITH TROWELED ASPHALTIC MATERIAL FROM FOOTING TO GRADE.

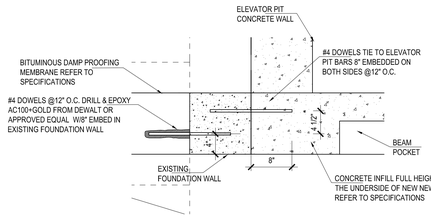
C. EXISTING SOILS ARE MOISTURE-AND FROST SUSCEPTIBLE, AND WHEN EXPOSED, SHOULD BE PROTECTED FROM RAINWATER AND RUNOFF. ADDITIONAL COSTS FOR SOIL REPLACEMENT OR SCHEDULE DISRUPTION DUE TO LACK OF PROTECTION ARE NOT PERMISSIBLE.

D. GROUNDWATER IS NOT EXPECTED TO BE ENCOUNTERED, BUT PERCHED WATER MAY BE PRESENT IN SOIL STRATA. DEWATER AS REQUIRED FOR ANY PERCHED WATER.

E. COMPLETE GEOTECHNICAL REPORT IS LOCATED IN THE PROJECT MANUAL.

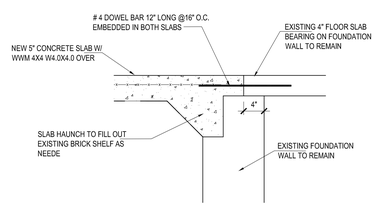
CONSTRUCTION NOTES

1. G.C TO BUILD AND REMOVE A TEMPORARY PLATFORM FOR THE ELEVATOR INSTALLER AS REQUIRED BY THE ELEVATOR MANUFACTURER. FRONT WALL AT THE TOP LANDING TO NOT BE INSTALLED UNTIL THIS PLATFORM IS REMOVED.
2. G.C TO VERIFY THE ELEVATION OF EXISTING FOOTINGS ON SITE AND NOTIFY THE ARCHITECT OF ANY DIFFERENCES.
3. CONTRACTOR MUST SUBMIT COMPLETE SHOP DRAWINGS FOR THE ELEVATOR HOISTWAY AND ALL EQUIPMENT TO BE INSTALLED INSIDE FOR ARCHITECT APPROVAL.
4. SLEEVE OPENINGS THROUGH NEW WALLS AND SLABS AT PIPING AND CONDUITS; DO NOT CORE DRILLING. COORDINATE SLEEVE SIZES, QUANTITIES AND LOCATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS
5. PENETRATION TO EXISTING STRUCTURE: CONTRACTOR MUST GET WRITTEN APPROVAL FROM THE ARCHITECT BEFORE CHANGING THE LOCATION OR SIZE OF ANY PRIOR TO START OF WORK.



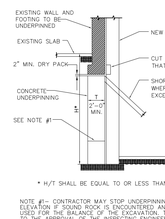
9 TYPICAL INFILL DETAIL

SCALE: 1" = 1'-0"



10 NEW TO EXISTING SLAB CONNECTION

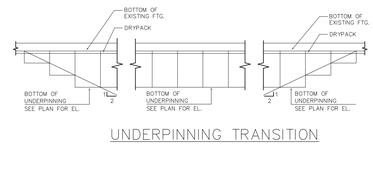
SCALE: 1" = 1'-0"



* H/T SHALL BE EQUAL TO OR LESS THAN 6

NOTE #1:- CONTRACTOR MAY STOP UNDERPINNING AT A HIGHER ELEVATION IF SOUND ROCK IS ENCOUNTERED AND LINE DRILLING IS USED FOR THE BALANCE OF THE EXCAVATION. THE ABOVE IS SUBJECT TO THE APPROVAL OF THE INSPECTING ENGINEER.

SECTION



UNDERPINNING TRANSITION

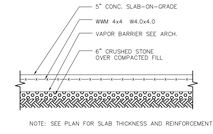
TYPICAL ELEVATION

UNDERPINNING SEQUENCE:
A. DIG PIT 3'-6" WITH REQUIRED SHEETING AND BRACING FOR SECTION 1 (LEAVING 8'-0" CLEAR BETWEEN PITS).
B. POUR NEW CONCRETE UNDERPINNING FOR SECTION 1 . AFTER CONCRETE ATTAINS 75% OF DESIGN STRENGTH, INSTALL 2" DRY-PACK (MIXTURE OF 1 PART CEMENT TO 2 PARTS DAMP SAND) RAMMED INTO SPACE BETWEEN TOP OF UNDERPINNING AND EXISTING FOOTING TO ENSURE FULL BEARING.
C. SHEETING AND BRACING BETWEEN PIT 1 AND FUTURE PIT 3 TO REMAIN.
D. DIG PIT 3'-6" WIDE WITH REQUIRED SHEETING AND BRACING FOR SEGMENT 2 .
E. REPEAT CONCRETING AND DRY-PACKING OPERATION SIMILAR TO SEGMENT 1 .
F. POUR NEW FLOOR SLAB TIGHT AGAINST UNDERPINNING.

8 TYPICAL UNDERPINNING DETAILS

CONTRACTOR TO STRENGTHEN AND STABILIZE EXISTING FOUNDATION, BEFORE START THE NEW FOUNDATION ENSURING A BUILDING REMAINS STRUCTURALLY SOUND

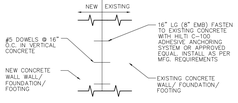
SCALE: 3/4" = 1'-0"



NOTE: SEE PLAN FOR SLAB THICKNESS AND REINFORCEMENT

5 TYPICAL SLAB CONSTRUCTION

NOT TO SCALE



6 TYPICAL DETAIL AT INTERFACE OF NEW AND EXISTING CONCRETE WALL

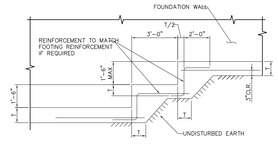
NOT TO SCALE

NOTES:

WHERE NEW CONCRETE IS TO BE PLACED AGAINST EXISTING CONCRETE SURFACES, THE EXISTING SURFACE SHALL BE ROUGHENED TO A FULL AMPLITUDE OF APPROXIMATELY 1/4".

THE SURFACE SHALL BE CLEANED AND LAITANCE REMOVED.

ALL CONSTRUCTION JOINTS SHALL BE MOISTENED AND STANDING WATER REMOVED BEFORE THE NEW CONCRETE IS PLACED.



T = SLAB THICKNESS (ALTERNATE TO SLOPED FOOTING)

7 TYPICAL STEPPED FOOTING DETAIL

NOT TO SCALE

DESIGN CRITERIA

DESIGN LOAD:
FLOOR LIVE LOADS: 100 P.S.F.
GROUND SNOW LOADS: 56 P.S.F.
SNOW LOAD IMPORTANCE FACTOR (IS): 1.1
THERMAL FACTOR (C): 1.0
FLAT ROOF SNOW LOAD: 35 P.S.F.
ROOF DEAD LOAD: 20 P.S.F.
ROOF LIVE LOAD: 20 P.S.F.
(DRIFTING LOADS IN ACCORDANCE WITH ASCE 7)
DESIGN WIND SPEED : 120 MPH)
EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT: : .18
DESIGN WIND PRESSURE FOR COMPONENTS & CLADDING: +34 P.S.F., -43 P.S.F.
BUILDING SYSTEMS:
ZONE 1' = 16.3 PSF, -30.9 PSF
ZONE 1 = 16.3 PSF, -45.1 PSF
ZONE 2 = 16.3 PSF, -60.9 PSF
ZONE 3 = 16.3 PSF, -75.1 PSF
ZONE 4 = 28.6 PSF, -31.4 PSF
ZONE 5 = 28.6 PSF, -35.1 PSF
WINDOWS:
ZONE 4 = 33.7 PSF, -36.6 PSF
ZONE 5 = 33.7 PSF, -45.1 PSF

SEISMIC DESIGN PARAMETERS:
RISK CATEGORY : III
SS: 0.2 S1: 0.047
SITE CLASS: D
SDS: 0.216, SD1: 0.085
SEISMIC DESIGN CATEGORY: A
BASIC SFRS: ORDINARY REINFORCED MASONRY SHEAR WALLS
SEISMIC RESPONSE COEFFECIENT (CS): 0.135
RESPONSE MODIFICATION FACTOR (R): 2

SPECIAL INSPECTIONS REQUIRED:
STEEL:
- MATERIAL VERIFICATION OF STRUCTURAL STEEL
- HIGH STRENGTH BOLTS
- WELDING
- JOINT DETAILS AS CONSTRUCTED

CONCRETE:
- REINFORCING STEEL
- ANCHOR RODS IN CONCRETE
- PLACEMENT AND CURING
- SAMPLING FRESH CONCRETE
- USE OF REQUIRED DESIGN MIX
- CONCRETE FRAMEWORK

MASONRY:
- MORTAR AND JOINTS
- HOT and COLD WEATHER PROTECTION
- GROUTING

SOIL BEARING:
- CAPACITY (PER TEST BORING REPORT): 2.0 T.S.F.

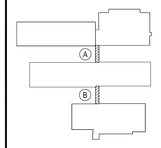
CONCRETE COVER SCHEDULE

LOCATION	COVER
CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3"
CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
#6 BARS AND LARGER	2"
#6 BARS AND SMALLER	1½"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
SLABS, WALLS, JOISTS	¾"
BEAMS, GIRDLES, COLUMNS, AND PIERS	1½"

REV.	DATE	ITEM

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KEY PLAN

PROJECT
MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE-1A

DWG TITLE
FOUNDATION PLAN AND DETAILS
CORRIDOR "A" & "B"

DRAWING BY:
CHECK BY:

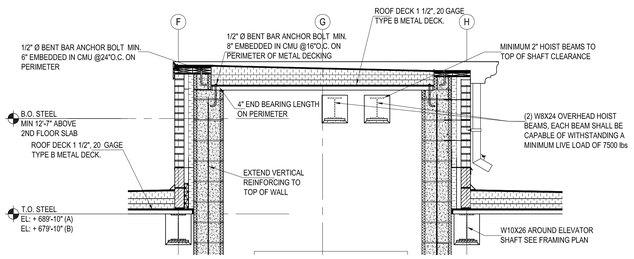
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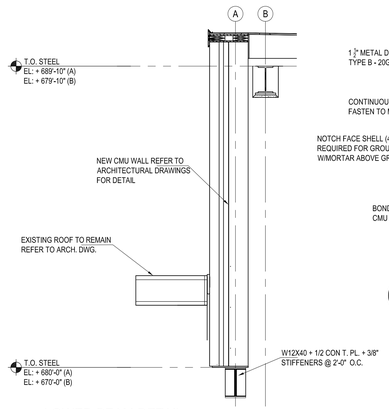
SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	MILLBROOK MIDDLE SCHOOL
DWG TITLE	FOUNDATION PLAN AND DETAILS CORRIDOR "A" & "B"
SCALE:	AS NOTED
DATE:	DECEMBER 2022
BID PICK-UP:	05/18/2026
FILE No:	25-237

S1.01



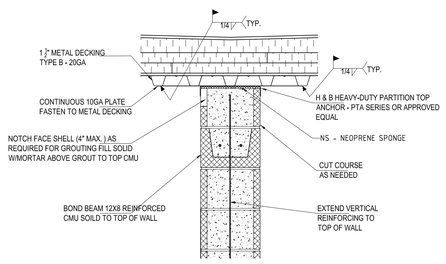
1 ELEVATOR BULKHEAD

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



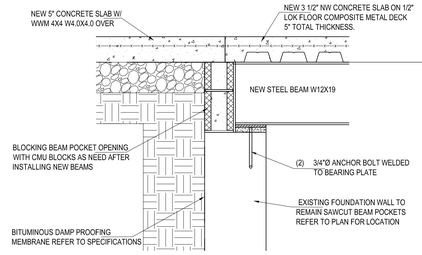
2 LOWER BEAM DETAIL

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



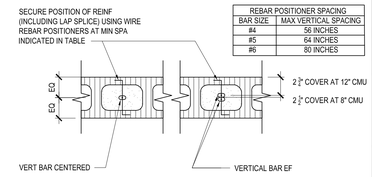
3 TYPICAL TOP OF INTERIOR CMU DETAIL

SCALE: 1" = 1'-0"



4 NEW SLAB CONNECTION DETAIL

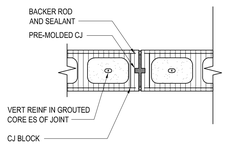
SCALE: 1" = 1'-0"



REBAR POSITIONER SPACING	
BAR SIZE	MAX VERTICAL SPACING
#4	56 INCHES
#5	64 INCHES
#6	80 INCHES

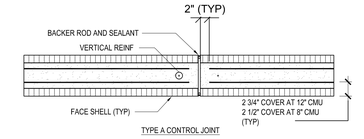
7 PLAN DETAIL - REINFORCING IN CMU CORES

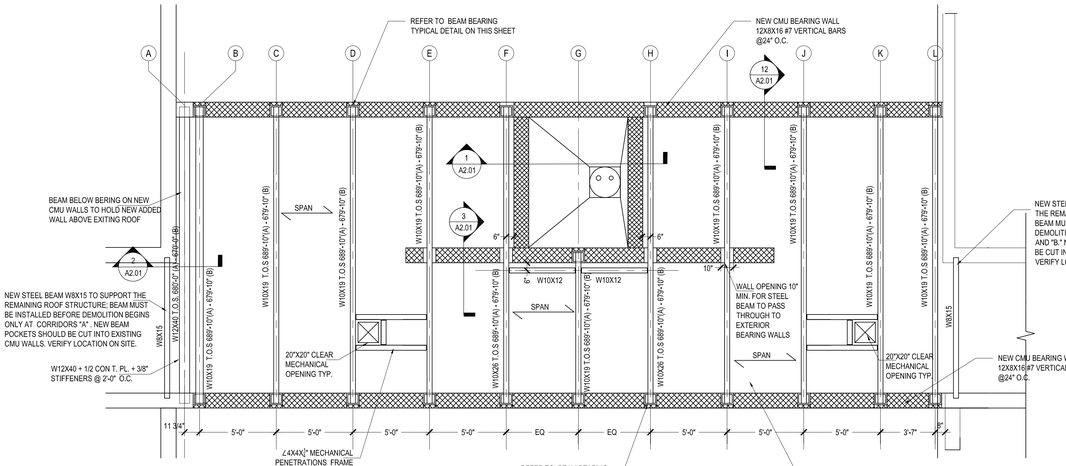
NOTE: SCALE: NOT TO SCALE



8 WALL CONTROL JOINT

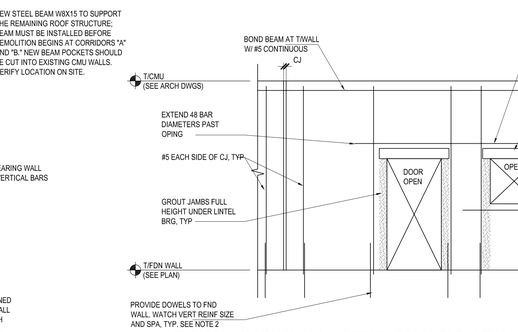
UNRATED WALLS ONLY SCALE: 1" = 1'-0"





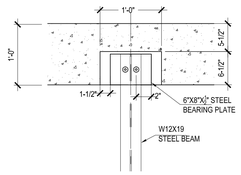
A ROOF FRAMING PLAN

BOTH CORRIDORS "A" AND "B" SCALE: 1/4" = 1'-0"



5 BEAM POCKET @ ELEVATOR WALL

SCALE: 1" = 1'-0"



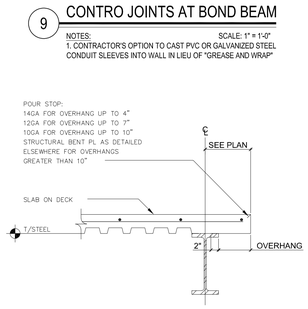
6 TYPICAL BEAM POCKET DETAIL @ ELEVATOR WALL

SCALE: 1" = 1'-0"

10 TYPICAL MASONRY WALL REINFORCING ELEVATION

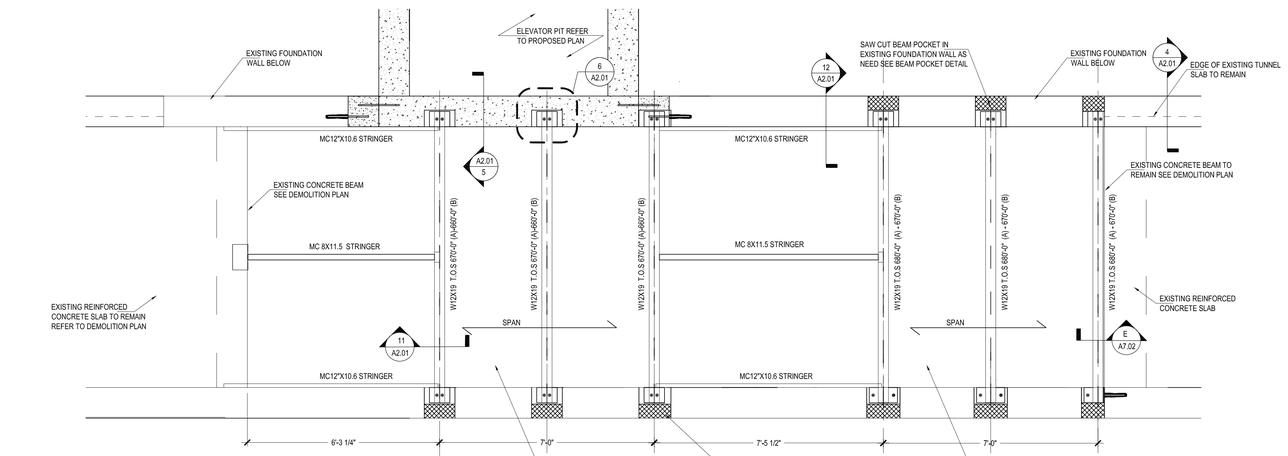
SCALE: 1/4" = 1'-0"

NOTE:
1. REINFORCING SHOWN IS TYPICAL UNLESS NOTED. PROVIDE REBAR POSITIONERS AS INDICATED IN S-SERIES DRAWINGS.
2. LAP REINFORCING BARS AS INDICATED IN THE MASONRY REINFORCING LAP SPLICE SCHEDULE.
3.PROVIDE LADDER TYPE HORIZONTAL JOINT REINFORCING AT 16" ON CENTER AND AT TOP TWO COURSES UNLESS OTHERWISE NOTED.
4. AT INTERIOR PARTITIONS. WHERE NO FOUNDATION WALL IS PRESENT, PROVIDE (1)#4 CONTINUOUS IN SLAB (TYPICAL).
5. AT INTERIOR, NON-LOAD BEARING PARTITIONS, TOP OF PARTITION SHALL BE 1" MINIMUM BELOW FRAMING MEMBERS OR DECK TO ALLOW FOR DEFLECTION OF STRUCTURE ABOVE. BRACE TOP OF PARTITION.
6.AT EXTERIOR WALLS, CONNECT TOP OF WALL TO STEEL BEAM.



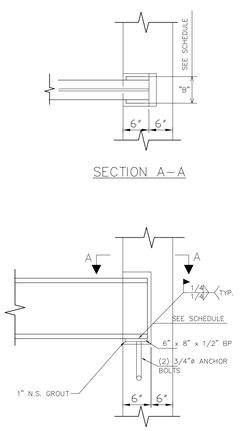
11 TYPICAL SLAB EDGE DETAIL

NOT TO SCALE



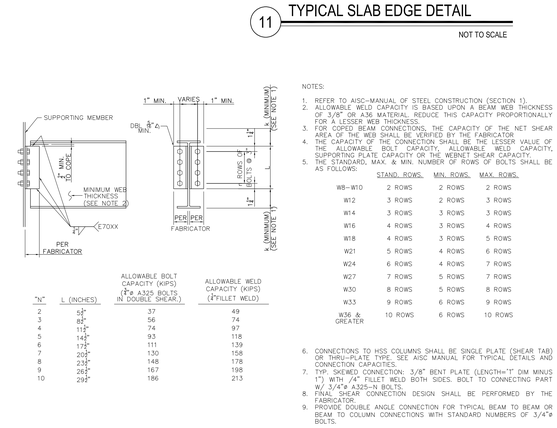
B STAIR LANDING FRAMING PLAN

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



12 TYPICAL BEAM BEARING DETAIL

NOT TO SCALE



"N"	L (INCHES)	ALLOWABLE BOLT CAPACITY (KIPS) (7/8ø A325 BOLTS IN DOUBLE SHEAR.)	ALLOWABLE WELD CAPACITY (KIP/LLET WELD)
2	5"	37	49
3	8"	56	74
4	11"	74	97
5	14"	93	118
6	17"	111	139
7	20"	130	158
8	23"	148	178
9	26"	167	198
10	29"	186	213

NOTES:
1. REFER TO AISC–MANUAL OF STEEL CONSTRUCTION (SECTION 1).
2. ALLOWABLE WELD CAPACITY IS BASED UPON A BEAM WEB THICKNESS OF 3/8" OR A36 MATERIAL. REDUCE THIS CAPACITY PROPORTIONALLY FOR A LESSER WEB THICKNESS.
3. FOR COPED BEAM CONNECTIONS, THE CAPACITY OF THE NET SHEAR AREA OF THE WEB SHALL BE VERIFIED BY THE FABRICATOR
4. THE CAPACITY OF THE CONNECTION SHALL BE THE LESSER VALUE OF THE ALLOWABLE BOLT CAPACITY, ALLOWABLE WELD CAPACITY, SUPPORTING PLATE CAPACITY OR THE WEBNET SHEAR CAPACITY.
5. THE STANDARD, MAX. & MIN. NUMBER OF ROWS OF BOLTS SHALL BE AS FOLLOWS:

STAND. ROWS.	MIN. ROWS.	MAX. ROWS.
W8–W10	2 ROWS	2 ROWS
W12	3 ROWS	2 ROWS
W14	3 ROWS	3 ROWS
W16	4 ROWS	3 ROWS
W18	4 ROWS	5 ROWS
W21	5 ROWS	4 ROWS
W24	6 ROWS	4 ROWS
W27	7 ROWS	5 ROWS
W30	8 ROWS	5 ROWS
W33	9 ROWS	6 ROWS
W36 & GREATER	10 ROWS	6 ROWS

6. CONNECTIONS TO HSS COLUMNS SHALL BE SINGLE PLATE (SHEAR TAB) OR THRU–PLATE TYPE. SEE AISC MANUAL FOR TYPICAL DETAILS AND CONNECTION CAPACITIES.
7. TYP SKEWED CONNECTION: 3/8" BENT PLATE (LENGTH="L" DIM MINUS 1") WITH "A" FILLET WELD BOTH SIDES. BOLT TO CONNECTING PART W/ 3/4"ø A325–N BOLTS.
8. FINAL SHEAR CONNECTION DESIGN SHALL BE PERFORMED BY THE FABRICATOR.
9. PROVIDE DOUBLE ANGLE CONNECTION FOR TYPICAL BEAM TO BEAM OR BEAM TO COLUMN CONNECTIONS WITH STANDARD NUMBERS OF 3/4"ø BOLTS.

13 TYPICAL DOUBLE ANGLE SHEAR CONNECTION FOR BM/BM OR BM/COL

NOT TO SCALE

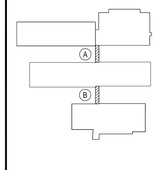
9 CONTRO JOINTS AT BOND BEAM

NOTES: SCALE: 1" = 1'-0"
1. CONTRACTOR'S OPTION TO CAST PVC OR GALVANIZED STEEL CONDUIT SLEEVES INTO WALL IN LIEU OF "GREASE AND WRAP"

REV.	DATE	ITEM

NOTICE

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KEY PLAN

MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE-1A

STEEL FRAMING PLAN AND DETAILS
CORRIDOR "A" & "B"

PROJECT

DWG TITLE

DRAWING BY:

CHECK BY:

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BBS
ARCHITECTS
LANDSCAPE ARCHITECTS
ENGINEERS

244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

100 GREAT OAKS BLVD.
SUITE 115, ALBANY
NEW YORK 12203
T. 518.621.7650
F. 518.621.7655

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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	MILLBROOK MIDDLE SCHOOL
DWG TITLE	STEEL FRAME PLAN AND DETAILS CORRIDOR "A" & "B"
SCALE:	AS NOTED
DATE:	JANUARY 2026
BID PICK-UP:	05/18/2026
FILE No:	25-237

S2.01

GENERAL NOTES

1. REMOVAL & RELOCATION OF CERTAIN EXISTING WORK SHALL BE NECESSARY FOR THE PERFORMANCE OF THE NEW WORK SHOWN HEREIN. ALL EXISTING CONDITIONS ARE NOT COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE & MAKE ALL NECESSARY CHANGES BASED ON EXISTING CONDITIONS AS REQUIRED FOR PROPER DEMOLITION OF EXISTING WORK & SHALL INCLUDE ALL MATERIALS & LABOR FOR SAME IN HIS BID PRICE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO DO SO.
2. PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL VISIT THE PREMISES OF THE PROPOSED WORK & SHALL CAREFULLY EXAMINE THE ENGINEERING DRAWINGS, EXISTING CONDITIONS & LIMITATIONS THEREOF. VERIFY ACTUAL LOCATIONS WHERE THE NEW PIPING WILL BE ROUTED, COORDINATE WITH NEW & EXISTING WORK & PROVIDE CLEARANCE W/ BUILDING STRUCTURE, OTHER SERVICES, ETC.. THE CONTRACTOR SHALL INCLUDE ALL COSTS WHATSOEVER WHICH ARE INCURRED AS A RESULT OF LIMITATIONS OF THE EXISTING & NEW CONDITIONS. LATER CLAIMS FOR EXTRA LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED DUE TO DIFFICULTIES WHICH COULD HAVE BEEN FORESEEN WILL NOT BE CONSIDERED AS EXTRA WORK.
3. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE & REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
4. INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHEN NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN CRATED SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AREAS AVAILABLE. ASCERTAIN FROM BUILDING OWNER AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH THE BUILDING.
5. COORDINATE THE EXACT SIZE & LOCATION OF NEW OPENINGS WITH EXISTING STRUCTURE. PATCH / INSULATE AS REQUIRED. CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS FROM NEW PIPING, CONDUIT, DUCTWORK, ETC. THROUGH EXISTING OR NEW FIRE/ SMOKE BARRIERS. REFER TO SPECIFICATION SECTION 15511 FOR FURTHER DETAILS.
6. IT IS THE INTENT OF THIS CONTRACT FOR REMAINING SYSTEMS TO BE LEFT IN GOOD WORKING ORDER, READY FOR OPERATION. COORDINATE ANY REQUIRED SYSTEM SHUTDOWNS WITH OWNER 48 HOURS IN ADVANCE. EXISTING SYSTEM SHUTDOWNS WILL NOT BE PERMITTED IF THEY INTERFERE WITH THE DAILY OPERATIONS OF THE BUILDING. CONTRACTOR WILL BE REQUIRED TO TAKE PROPER PRECAUTIONS AGAINST DAMAGING OR DISRUPTING BUILDING SYSTEMS, WIRING, PIPING OR CONTROL TUBING. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S COST AS A PART OF THIS CONTRACT.
7. THE CONTRACTOR SHALL REPAIR / RESTORE TO ORIGINAL CONDITION ANY EXISTING EQUIPMENT OR MATERIALS DAMAGED IN THE PROCESS OF INSTALLATION, OR DEMOLITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL MAKE REPAIRS USING THE SAME OR EQUIVALENT MATERIALS. WORK WILL BE PERFORMED AT THE CONTRACTOR'S COST.
8. CONTRACTOR SHALL INCUR ANY COSTS OR BURDENS ASSOCIATED WITH LOST OR STOLEN EQUIPMENT / MATERIALS.
9. DURING THE LIFE OF THE CONTRACT PERIOD, CONTRACTOR SHALL REMOVE ALL RUBBISH / EXCESS MATERIAL ACCUMULATED AS A RESULT OF HIS OPERATIONS ON A DAILY BASIS. ALL AREAS / EQUIPMENT AFFECTED UNDER THIS CONTRACT SHALL BE KEPT CLEAN OF DUST / DEBRIS. ALL AREAS SHALL RECEIVE A FINAL CLEANING PRIOR TO FINAL ACCEPTANCE BY THE OWNER.
10. PROVIDE FOR LEGAL REMOVAL / DISPOSAL OF ALL RUBBISH / DEBRIS FROM THE BUILDING & SITE. PROTECT ALL WORK NOT SLATED FOR DEMOLITION.
11. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO SCHEDULING THE WORK. WORK SHALL BE PERFORMED IN PROPER SEQUENCE, AS AGREED TO BY ALL TRADES. ANY COSTS INCURRED BY THE OWNER DUE TO IMPROPER SEQUENCING OF WORK WILL BE PAID FOR BY THIS CONTRACTOR.
12. CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY ALL FEES, CONNECTION CHARGES, ETC. ASSOCIATED WITH THE WORK UNDER THEIR CONTRACT.
13. PAINT / TOUCH UP ALL SURFACES MARRED AS A RESULT OF THE PERFORMANCE OF THE CONTRACT WORK.
14. THE MECHANICAL CONTRACTOR SHALL REFER TO / REVIEW ALL OTHER TRADE DRAWINGS IN THE BID PACKAGE & SHALL BE RESPONSIBLE FOR / PERFORM ALL WORK INDICATED AS (M.C.) MECHANICAL WORK AS A PART OF THE BASE BID UNLESS SPECIFICALLY NOTED OTHERWISE.
15. SUBSTITUTED EQUIPMENT OF GREATER OR LARGER POWER, DIMENSIONS, CAPACITIES & RATINGS MAY BE FURNISHED PROVIDED THAT SAID EQUIPMENT IS APPROVED IN WRITING PRIOR TO ORDER. ANY CONNECTING MECHANICAL SERVICES, ELECTRICAL SERVICES, BASES, STRUCTURAL APPURTENANCES, ETC. REQUIRED TO BE INCREASED DUE TO THE USE OF SAID EQUIPMENT WILL BE PAID FOR IN FULL BY THE MECHANICAL CONTRACTOR, INCLUDING ANY ADDITIONAL REQUIRED ENGINEERING FEES.
16. EACH PIECE OF EQUIPMENT SHALL BE PROVIDED WITH A PERMANENT TYPE LAMINATED, BLACK FINISH, WHITE CORE, PHENOLIC NAMEPLATE. NAMEPLATES SHOULD INDICATE THE NAME & NUMBER OF THE UNIT, UNIT VOLTAGE, & ANY INTERLOCK REFERENCE. STARTERS / DISCONNECT SWITCHES SHOULD ALSO BE EQUIPPED WITH AN IDENTICAL NAMEPLATE WITH THE SAME INFORMATION.
17. "ATTIC STOCK" - UPON COMPLETION OF THE PROJECT, MECHANICAL CONTRACTOR SHALL COMPLETELY REMOVE / DISPOSE OF FILTERS USED DURING CONSTRUCTION & START-UP PROCEDURES. INSTALL NEW FILTERS IN ALL EQUIPMENT, MERV-8 OR BETTER UPON TURN OVER OF THE PROJECT TO THE OWNER. IN ADDITION, PROVIDE (2) COMPLETE SETS OF FILTERS FOR EACH PEICE OF EQUIPMENT & TURN OVER TO OWNER.
18. MECHANICAL CONTRACTOR SHALL PROVIDE (1) SPARE MOTOR FOR EACH SIZE MOTOR USED ON THE PROJECT. IN INSTANCES WHERE MORE THAN TEN OF THE SAME MOTOR ARE USED, MECHANICAL CONTRACTOR SHALL PROVIDE (1) SPARE MOTOR FOR EVERY TEN MOTORS OF A GIVEN SIZE USED ON THE PROJECT.
19. MAINTENANCE MANUAL: UPON COMPLETION OF THE PROJECT, THE MECHANICAL CONTRACTOR SHALL PROVIDE A BINDER CONTAINING THE OPERATIONS & MAINTENANCE MANUALS FOR EACH NEW PEICE OF EQUIPMENT INSTALLED UNDER THIS PROJECT. THE FIRST SECTION OF THE MAINTENANCE MANUAL SHALL CONTAIN A LIST OF EACH PEICE OF EQUIPMENT, COMPLETE WITH INFORMATION SHOWING APPROPRIATE REPLACEMENT FILTER SIZES / TYPES, APPROPRIATE REPLACEMENT BELT SPECIFICATIONS, REPLACEMENT MOTOR SPECIFICATIONS, REPLACEMENT BEARING SPECIFICATIONS, VOLTAGES OF UNIT, ETC. THIS SHALL SERVE AS A WRITTEN DATABASE DESCRIBING ALL MAINTENANCE INFORMATION FOR EACH NEW PEICE OF EQUIPMENT USED.

BOILER ROOM and PIPING NOTES

1. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING & EQUIPMENT, & INDICATE THE REQUIRED SIZE / POINTS OF TERMINATION OF THE PIPING & SUGGEST PROPER ROUTING OF SAME. IT IS NOT THE INTENTION OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS, RISES, DROPS, OBSTRUCTIONS OR STRUCTURAL CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL HIS WORK IN SUCH A MANNER THAT IT WILL CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM & KEEP OPENINGS / PASSAGEWAYS CLEAR WITHOUT FURTHER CONSTRUCTION OR COST.
2. ALL FLOOR MOUNTED BOILER ROOM EQUIPMENT SHALL BE INSTALLED ON A LEVEL, REINFORCED CONCRETE HOUSEKEEPING PAD, 4" THICK MIN. UNLESS OTHERWISE NOTED. ALL HOUSEKEEPING PADS SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR. PADS SHALL BE REINFORCED W/ WELDED WIRE MESH & SHALL BE POURED USING 3,000 PSI CONCRETE.
3. MECHANICAL CONTRACTOR SHALL PROVIDE & INSTALL ALL REQUIRED STRUCTURAL SUPPORTS FOR ALL PIPING SYSTEMS & EQUIPMENT AS REQUIRED. PIPING SYSTEMS SHALL BE EQUIPPED WITH EXPANSION COMPENSATORS AT THE INTERVALS REQUIRED. PROVIDE PIPING GUIDES / ANCHORS AS REQUIRED.
4. MECHANICAL CONTRACTOR SHALL PROPERLY INSULATE ALL NEW PIPING SYSTEMS & EQUIPMENT. REFER TO SPECIFICATION SECTION 15250 FOR FURTHER DETAILS REGARDING INSULATION REQUIREMENTS. UPON COMPLETION OF INSULATION WORK, MECHANICAL CONTRACTOR SHALL PROPERLY LABEL EACH PIPING RUN SHOWING THE TYPE OF FLUID CARRIED & DIRECTION OF FLOW. PIPE IDENTIFICATION MARKERS SHALL BE INSTALLED EVERY 20 FEET IN THE PIPING RUNS.
5. ALL VALVES WITHIN PIPING SYSTEMS SHALL BE TAGGED USING A 1-1/2" DIA. BRASS TAG. PROVIDE A LEGEND LISTING VALVE #, TYPE OF VALVE, SERVICE TYPE, & LOCATION OF VALVE. KEY VALVE #'S TO AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.
6. MECHANICAL CONTRACTOR SHALL SUBMIT (3) SETS OF OPERATING MANUALS FOR EACH PIECE / TYPE OF MECHANICAL EQUIPMENT.
7. MECHANICAL CONTRACTOR SHALL PROVIDE & INSTALL ALL WIRING & DEVICES AS REQUIRED TO CONTROL THE BOILER ROOM EQUIPMENT AS DESCRIBED IN THE SEQUENCE OF OPERATIONS LISTED IN THE PROJECT MANUAL. REFER TO SPECIFICATION SECTION 15903 FOR FURTHER DETAILS.

FIRESTOPPING NOTES

1. ALL PENETRATIONS RELATED TO MECHANICAL WORK THROUGH FIRE RATED WALLS, FLOORS OR OTHER STRUCTURES SHALL BE FIRE STOPPED AS REQUIRED TO MAINTAIN THE RATING OF THE WALL BY MECHANICAL CONTRACTOR. IT IS ASSUMED THAT ALL WALLS IN THE CONSTRUCTION CARRY A MINIMUM FIRE RATING OF 1 HR. IT SHOULD BE ASSUMED THAT ALL MACHINE ROOM WALLS / BOILER ROOM WALLS / ELECTRIC ROOM WALLS CARRY A RATING OF 2 HR. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE REVIEW OF THE ARCHITECTURAL DRAWINGS IN ORDER TO DETERMINE FIRE RATINGS OF ALL WALLS / PARTITIONS RELATED TO WORK UNDER THIS CONTRACT.
2. MECHANICAL CONTRACTOR SHALL REVIEW THE COMPLETE ARCHITECTURAL SET OF DRAWINGS IN ORDER TO DETERMINE WHERE DUCT PENETRATIONS THROUGH RATED BARRIERS. DUCTS PENETRATING SAID RATED BARRIERS SHALL BE EQUIPPED WITH A UL LISTED FUSIBLE LINK TYPE FIRE DAMPER, RATED FOR SERVICE FOR WHICH IT IS BEING USED. FIRE DAMPERS SHALL BE PROVIDED & INSTALLED BY THE MECHANICAL CONTRACTOR, COMPLETE W/ DUCT ACCESS DOORS DIRECTLY ADJACENT TO THE DAMPER, POSITIONED FOR EASY REPLACEMENT OF THE LINK.
3. MECHANICAL CONTRACTOR SHALL REVIEW THE COMPLETE ARCHITECTURAL SET OF DRAWINGS IN ORDER TO DETERMINE WHERE DUCT PENETRATIONS THROUGH RATED BARRIERS OCCUR BETWEEN SEPARATE SMOKE ZONES. DUCTS PENETRATING SAID FIRE / SMOKE BARRIERS SHALL BE EQUIPPED WITH A UL LISTED COMBINATION FIRE / SMOKE DAMPER, RATED FOR SERVICE FOR WHICH IT IS BEING USED. FIRE / SMOKE DAMPERS SHALL BE PROVIDED & INSTALLED BY THE MECHANICAL CONTRACTOR, COMPLETE W/ DUCT ACCESS DOORS DIRECTLY ADJACENT TO THE DAMPER. DAMPER ACTUATOR & RELATED WIRING SHALL BE PROVIDED & INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE DAMPER INSTALLATIONS W/ E.C. TO VERIFY PROPER CLEARANCES TO ASSURE PROPER DAMPER OPERATION.
4. MECHANICAL CONTRACTOR SHALL PROVIDE A FULL SET OF AS-BUILT DRAWINGS, SHOWING EACH DAMPER LOCATION, TYPE OF DAMPER, ACCESS DOOR LOCATIONS, ETC..
5. CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 15511 FOR FURTHER DETAILS REGARDING FIRESTOPPING MATERIALS & METHODS.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRODUCTS TO BE USED. FIRESTOP MATERIALS OTHER THAN THE PRODUCTS SPECIFIED SHALL INCLUDE FULL TECHNICAL DATA WITH SHOP DRAWINGS TO DEMONSTRATE EQUALITY WITH THE SPECIFIED FIRESTOPPING MATERIALS.

GENERAL INSTRUMENTATION NOTES

1. AT A MINIMUM, PROVIDE THERMOMETERS / WELLS AT THE FOLLOWING LOCATIONS:
   - AT INLETS & OUTLET OF EACH THREE WAY VALVE (UNIT VENTILATORS / CABINET UNIT HEATER INSTALLATIONS EXCEPTED).
   - AT INLET & OUTLET OF EACH HYDRONIC BOILER, CHILLER OR COOLING TOWER.
   - AT INLET & OUTLET OF EACH HYDRONIC COIL IN AIR HANDLING UNITS & BUILT-UP CENTRAL SYSTEMS.
2. AT A MINIMUM, PROVIDE LIQUID FILLED PRESSURE GAUGES / WELLS AT THE FOLLOWING LOCATIONS:
   - AT SUCTION & DISCHARGE OF EACH PUMP.
   - FOR EACH MAKEUP WATER LINE.
   - BEFORE & AFTER ALL PRESSURE REDUCING VALVES.
   - AT ACCESSIBLE HIGH POINT OF ALL HYDRONIC PIPING SYSTEMS.
   - AT ALL EXPANSION / COMPRESSION TANKS.

PIPING SYSTEMS and EQUIPMENT VENTING NOTES

1. MECHANICAL CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER VENTING OF ALL NEWLY INSTALLED HYDRONIC PIPING SYSTEMS. AUTOMATIC AIR VENTS SHALL BE INSTALLED AT EVERY HIGH POINT IN THE PIPING SYSTEM WHERE AIR CAN COLLECT. PROVIDE COCK IN RISER PRIOR TO AUTOMATIC AIR VENT. NEW AIR VENTS SHALL BE "TACO" #HY-VENT OR EQUIVALENT.
2. MECHANICAL CONTRACTOR SHALL PROVIDE & INSTALL NEW AUTOMATIC AIR VENT FOR EACH AIR HANDLING UNIT COIL OR DUCT MOUNTED COIL. INSTALL SHUT-OFF COCK PRIOR TO VENT TIE-IN.
3. MECHANICAL CONTRACTOR SHALL PROVIDE NEW MANUAL AIR VENTS FOR ALL UNIT VENTILATOR COILS, CONVECTORS, FAN COIL UNITS, FIN TUBE RADIATORS, ETC. MANUAL VENTS SHALL BE "TACO" #417 COIN VENT OR EQUIVALENT. PROVIDE SHUT-OFF COCK PRIOR TO VENT. AIM COIN VENT DISCHARGE IN AN APPROPRIATE MANNER AS TO FACILITATE THE CAPTURE OF BLEED WATER WHILE PERFORMING SYSTEM BLEEDING OPERATIONS.

ELECTRICAL WORK UNDER MECHANICAL CONTRACT

1. MECHANICAL CONTRACTOR SHALL PROVIDE ALL STARTERS & DISCONNECT SWITCHES REQUIRED FOR ALL NEW MECHANICAL EQUIPMENT. STARTER / DISCONNECT SWITCH INSTALLATION TO BE PERFORMED UNDER THE ELECTRICAL CONTRACT. COORDINATE WORK W/ ELECTRICAL CONTRACTOR PRIOR TO START OF WORK.
2. POWER WIRING REQUIRED FOR CONTROLS SHALL BE PERFORMED UNDER THE MECHANICAL CONTRACT UNLESS SPECIFICALLY NOTED OTHERWISE ON THE ELECTRICAL DRAWINGS. MECHANICAL CONTRACTOR SHALL OBTAIN THE SERVICES OF A LICENSED ELECTRICIAN (PER NEC REQUIREMENTS) TO PERFORM ALL ELECTRICAL WORK.

DUCTWORK NOTES

1. PROVIDE ALL NEW DUCTWORK AS SHOWN AND SPECIFIED UNDER SPECIFICATION SECTION 015891, AND IN CONFORMANCE WITH 'SMACNA' SPECIFICATIONS.
2. IF A DUCT ELBOW IS SHOWN TO BE RADIUSED, THEN RADIUSED ELBOWS SHALL BE INSTALLED. SQUARE ELBOWS MAY NOT BE SUBSTITUTED WHERE RADIUSED ELBOWS ARE SHOWN. WHERE SQUARE ELBOWS ARE SHOWN, TURNING VANES SHALL BE INSTALLED UPON APPROVAL BY THE ENGINEER.
3. PROVIDE DUCT LINING IN ALL DUCTWORK THAT IS CONVEYING BELOW AMBIENT TEMPERATURE AIR & IS NOT INSULATED. PROVIDE LINING IN SUPPLY & RETURN & EXHAUST AIR DUCTWORK FROM AIR HANDLING EQUIPMENT FOR THE ENTIRE DUCTWORK RUNS/LENGTHS FOR ALL DUCTWORK. IN ADDITION, INCLUDE LINING IN ANY OTHER DUCT SPECIFICALLY SHOWN OR SPECIFIED TO BE EQUIPPED WITH LINING. REFER TO SPECIFICATION SECTION 15891 & 15290 FOR FURTHER INFORMATION.
4. WHERE FLEXIBLE DUCTWORK IS USED, LENGTHS MAY NOT EXCEED 4 FEET TOTAL IN ANY ONE RUN OF FLEXIBLE DUCTWORK. FLEXIBLE DUCTWORK SHALL BE RATED IN ACCORDANCE WITH UL 181, CLASS 1. REFER TO SPECIFICATION SECTION 15891 FOR FURTHER INFORMATION.
5. MECHANICAL CONTRACTOR SHALL PROVIDE A BUTTERFLY TYPE VOLUME DAMPER WITH LOCKING QUADRANT HANDLE PRIOR TO EACH AIR OUTLET SHOWN. INSTALL DAMPER AT LEAST 5 FEET AWAY FROM AIR OUTLET WHEREVER POSSIBLE.
6. MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE DUCT CONNECTIONS WHERE DUCT SYSTEMS CONNECT TO EQUIPMENT. REFER TO SPECIFICATION SECTION 15891 FOR FURTHER INFORMATION.

TESTING and BALANCING NOTES

1. MECHANICAL CONTRACTOR WILL BE REQUIRED TO PERFORM ALL EQUIPMENT & SYSTEM TESTING / BALANCING REQUIRED UNDER THIS CONTRACT. PROVIDE A FULL REPORT DETAILING ALL DESIGN & ACTUAL CONDITIONS FOR ALL AIR & HYDRONIC SYSTEMS SHOWN ON THE DRAWINGS. REFER TO SPECIFICATION SECTIONS 15990 & 15997 FOR FURTHER DETAILS.
2. UPON NOTICE OF COMPLETION OF WORK BY THE CONTRACTOR, OWNER WILL OBTAIN THE SERVICES OF AN INDEPENDENT TESTING & BALANCING CONTRACTOR TO VERIFY THE RESULTS OF THE TESTING & BALANCING REPORT SUBMISSION. INDEPENDENT TESTING AGENCY SHALL SELECT A RANDOM NUMBER OF MEASUREMENTS TO BE CHECKED. MEASUREMENTS WILL BE CHECKED IN THE SAME MANNER AS ORIGINALLY MEASURED. NUMBER OF VERIFICATION MEASUREMENTS SHALL BE APPROXIMATELY 25% OF THE TOTAL MEASUREMENTS FOR THE PROJECT.
3. IF MORE THAN 10% OF THE VERIFICATION TESTING SHOWS DEVIATIONS OF 10% OR MORE / SOUND LEVEL OF 2dB DIFFERENT THAN THAT ORIGINALLY MEASURED, THE ORIGINAL REPORT WILL BE REJECTED. ALL SYSTEMS WILL THEN BE REQUIRED TO BE COMPLETELY RE-TESTED, WITH A SECOND REPORT SUBMITTED. IN THE EVENT THAT THE ORIGINAL REPORT IS REJECTED, ALL SYSTEMS SHALL BE READJUSTED & TESTED, NEW CERTIFIED REPORTS SUBMITTED, AND NEW VERIFICATION TESTS MADE, AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS INVOLVED WITH THE VERIFICATION TESTS.

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
B.D.	BACKDRAFT DAMPER
CWS	COLD WATER SUPPLY
CFM	CUBIC FEET OF AIR PER MINUTE
D.	DEEP / DEPTH
DIA./-	DIAMETER
F&T	FLOAT & THERMOSTATIC
FPM	FEET PER MINUTE
FSD	FIRE DAMPER - DUCT MOUNTED
FLEX	FLEXIBLE
FO	FLAT OVAL DUCTWORK
GAL.	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H.	HIGH
H.C.	HANDICAPPED
HWS	HEATING SYSTEM HOT WATER SUPPLY
HWR	HEATING SYSTEM HOT WATER RETURN
HP.	HORSEPOWER
I.D..	INSIDE DIAMETER
KW.	KILOWATT.
L.	LONG
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MAX.	MAXIMUM
MIN.	MINIMUM
MBH	BTU x 1,000
MFR.	MANUFACTURER
M.H.	MANHOLE
MISC.	MISCELLANEOUS
MTD.	MOUNTED
G	NATURAL GAS
N.I.C.	NOT IN CONTRACT.
No./ #.	NUMBER
NOM.	NOMINAL
N.T.S..	NOT TO SCALE
O.A.	OUTSIDE AIR
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.S. & Y	OUTSIDE SCREW & YOKE
O.C.	ON CENTER
PE.	PNEUMATIC / ELECTRIC
PREFAB	PREFABRICATED
PRV	PRESSURE REDUCING VALVE
PSI.	POUNDS PER SQUARE INCH
R.A.	RETURN AIR
REQ'D.	REQUIRED
RPM	REVOLUTIONS PER MINUTE
S.A.	SUPPLY AIR
SCH.	SCHEDULE
S.P.	STATIC PRESSURE
STD.	STANDARD
T	TEMPERATURE
TXV	THERMAL EXPANSION VALVE
TYP.	TYPICAL
VOL.	VOLUME
V.D.	VOLUME DAMPER
VEL.	VELOCITY.
VFD	VARIABLE FREQUENCY DRIVE
W.	WIDE.
W/	WITH
W/O	WITHOUT.
WB.	WET BULB TEMPERATURE
WTD	WATER TEMPERATURE DROP.
WTR	WATER TEMPERATURE RISE
WPD	WATER PRESSURE DROP.

MECHANICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
24x18 / 18"Ø	RECTANGULAR GALVANIZED DUCTWORK - DIMENSIONS W x H
	NEW SUPPLY DUCTWORK TO RISE UP
	NEW SUPPLY DUCTWORK TO DROP DOWN
	NEW RETURN DUCTWORK TO RISE UP
	NEW RETURN DUCTWORK TO DROP DOWN
	TRANSITION IN DUCTWORK
	FIRE DAMPER INSTALLED IN DUCTWORK
	VOLUME DAMPER IN DUCT (w/ LOCKING QUADRANT HANDLE)
	ROUND DUCT WORK TO RISE UP
	ROUND DUCTWORK TO DROP DOWN
42x18 FO	FLAT OVAL DUCT WORK
	RECTANGULAR TO ROUND DUCT TRANSITION
	ELBOW IN DUCTWORK w/ TURNING VANES
	ELBOW IN DUCTWORK (RADIUS = 1.5 x D)
	45 DEG. TAKEOFF FITTING
	90 DEG. TAKEOFF w/ BELLMOUTH FITTING
	FLEXIBLE DUCTWORK TO DIFFUSER (4 FT. MAX. RUN)
	4-WAY PATTERN CEILING DIFFUSER
	3-WAY PATTERN CEILING DIFFUSER
	2-WAY PATTERN CILING DIFFUSER (90 DEG. / OPPOSING PATTERN)
	CEILING RETURN AIR REGISTER
FD/AD	DUCT FIRE DAMPER WITH ACCESS DOOR
FSD/AD	DUCT COMBINATION FIRE/SMOKE DAMPER WITH ACCESS DOOR
	LINEAR SLOT DIFFUSER
	ROOF MOUNTED EXHAUST FAN

PIPING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	PIPING TO RISE UP
	PIPING TO DROP DOWN
P.A.	PIPING ANCHOR
	PIPING GUIDE
	COLD WATER SUPPLY PIPING
HWS	HEATING SYSTEM SUPPLY PIPING
HWR	HEATING SYSTEM RETURN PIPING
	CHILLED WATER SUPPLY PIPING
	CHILLED WATER RETURN PIPING
	CONDENSER WATER SUPPLY PIPING
	CONDENSER WATER RETURN PIPING
CD	CONDENSATE DRAINAGE PIPING
F.O.S.	FUEL OIL SUPPLY PIPING
F.O.R.	FUEL OIL RETURN PIPING
G	LOW PRESSURE NATURAL GAS PIPING
EG	ELEVATED PRESSURE NATURAL GAS PIPING
	GAS COCK
	DIRT LEG IN PIPING
LP	LIQUEFIED PETROLEUM GAS PIPING
V	VENT PIPING
	LINEAR EXPANSION COMPENSATOR
	EXPANSION LOOP IN PIPING
	UNION IN PIPING
	PIPING STRAINER (w/ BLOWDOWN VALVE)
	REDUCER / INCREASER FITTINGS IN PIPING
	ECCENTRIC REDUCER IN PIPING
	THERMOMETER
	PRESSURE GAUGE
	FULL PORT BALL VALVE
	GATE VALVE
	SWING CHECK VALVE
	BALANCING VALVE
	3-WAY VALVE (w/ OPERATOR)
	CIRCUIT CETTER
	TRIPLE DUTY VALVE
	WAFER VALVE
	PLUG / CAP IN PIPING
	PNEUMATIC CONTROL VALVE OPERATOR
	ELECTRIC CONTROL VALVE OPERATOR
	AUTOMATIC AIR VENT
	LIQUID REFRIGERANT PIPING
	HIGH PRESSURE GAS REFRIGERANT PIPING
	LOW PRESSURE GAS REFRIGERANT PIPING
	CONNECTION POINT OF NEW WORK TO BE DONE
	CONNECTION POINT OF DEMOLITION WORK TO BE DONE

VENTILATION SCHEDULE

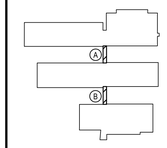
CORRIDOR "A"
CORRIDOR "B"

Room Number	Floor	Occupancy Classification	Occupancy Density (People Per 1000SF)	People Outdoor Airflow Rate in Breathing Zone, Rp (CFM/Person)	Area Outdoor Airflow Rate in Breathing Zone, Ra (CFM/SF)	Exhaust Airflow Rate (CFM/SF)	Area (SF)	Number of People (Pz)	Ventilation in Breathing Zone, Vbz (CFM)	Zone Air Distribution Effectiveness, Ez	Corrected Zone Outdoor Airflow CFM, Voz	Exhaust Air CFM Required	FINAL TOTAL FRESH AIR PROVIDED (CFM)	PROPOSED SYSTEM
CONNECTOR CORRIDOR-AUDITORIUM BUILDING TO OFFICE BUILDING	1ST	Corridor	0	0	0.06	0	1135	0	69	0.8	87	0	90	ELECTRICAL CABINET HEATER
CONNECTOR CORRIDOR-OFFICE BUILDING TO GYMNASIUM	1ST	Corridor	0	0	0.06	0	1135	0	69	0.8	87	0	90	ELECTRICAL CABINET HEATER

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE: MECHANICAL
MECHANICAL GENERAL NOTES, ABBREVIATIONS, & SYMBOLS

DRAWING BY: U.F.
CHECK BY: U.F.

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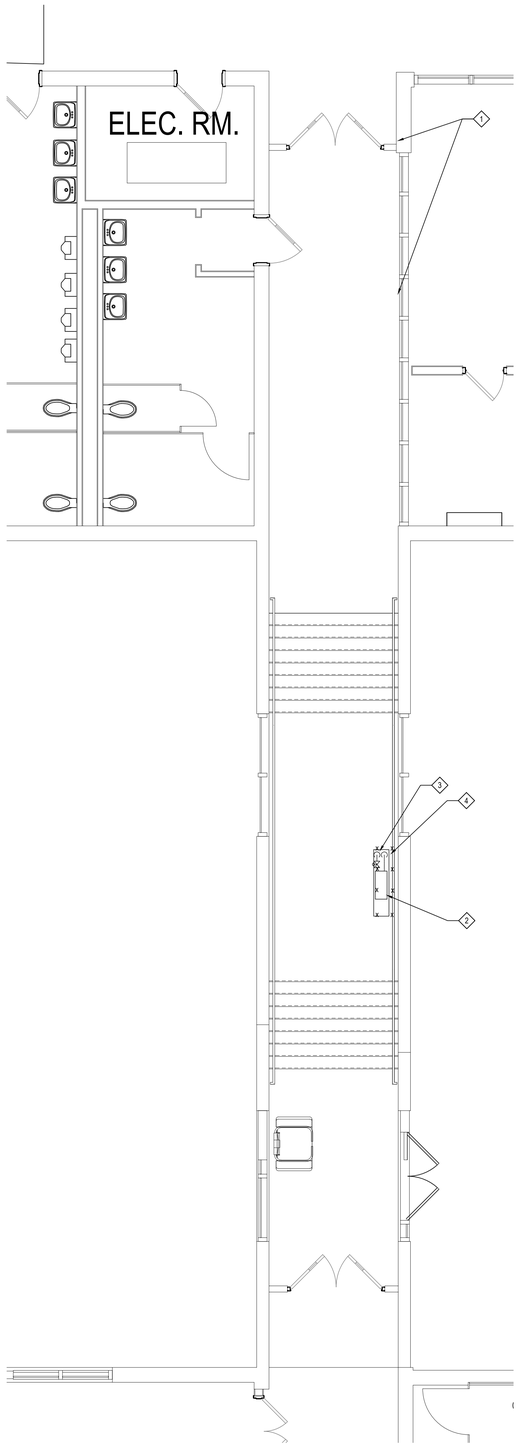
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NEW YORK 12203
T. 518.621.7650
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DISTRICT: MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT: CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE: MECH. NOTES, SYMBOLS, & ABBREVIATIONS

SCALE: AS NOTED
DATE: 1/20/26
BID PICK-UP: 5/18/2026
FILE No: 25-237

M0.01

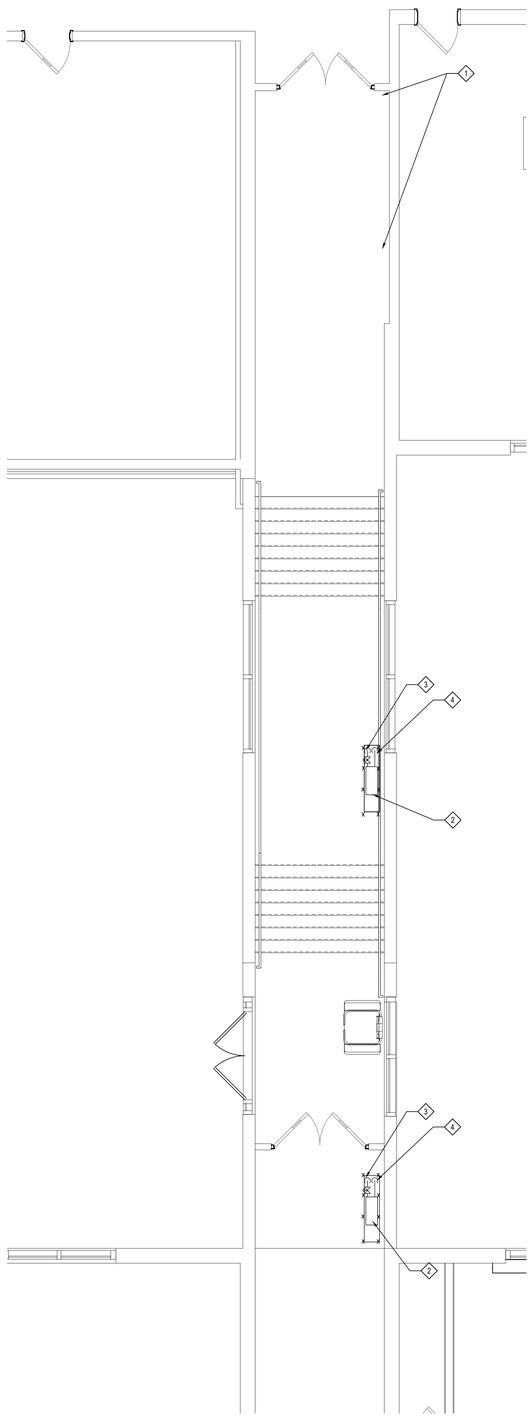


FIRST FLOOR -MIDDLE SCHOOL- CORRIDOR "B" - DEMOLITION WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL SCALE: 1/4" = 1'-0"

FIRST FLOOR - MILLBROOK MIDDLE SCHOOL - CORRIDOR "B" - DEMOLITION WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. EXISTING DEEP STEEL I-BEAMS SPACED 10'-0" ON CENTER. MC TO FIELD VERIFY PRIOR TO THE START OF ANY NEW WORK.
2. MC SHALL DEMO & REMOVE EXISTING FLOOR MOUNTED HYDRONIC HOT WATER CABINET HEATER AS SHOWN. MC TO HAVE EC DISCONNECT POWER PRIOR TO START OF DEMOLITION WORK. MC TO HAVE GC CLEAN & REPAIR/PATCH EXISTING FLOOR AFTER REMOVAL OF UNIT.
3. MC SHALL DEMO & REMOVE EXISTING 1-1/2"Ø HOT WATER SUPPLY PIPING COMING UP FROM FLOOR WITHIN EXISTING HYDRONIC HOT WATER CABINET HEATER. MC TO REMOVE EXISTING CONTROL VALVE. SEE DRAWING M1.02 FOR CONTINUATION OF WORK IN BASEMENT PIPING TUNNEL. MC TO HAVE GC PATCH EXISTING FLOOR PIPING OPENING AFTER REMOVAL OF PIPING.
4. MC SHALL DEMO & REMOVE EXISTING 1-1/2"Ø HOT WATER RETURN PIPING COMING UP FROM FLOOR WITHIN EXISTING HYDRONIC HOT WATER CABINET HEATER. SEE DRAWING M1.02 FOR CONTINUATION OF WORK IN BASEMENT PIPING TUNNEL. MC TO HAVE GC PATCH EXISTING FLOOR PIPING OPENING AFTER REMOVAL OF PIPING.



FIRST FLOOR -MIDDLE SCHOOL- CORRIDOR "A" - DEMOLITION WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL SCALE: 1/4" = 1'-0"

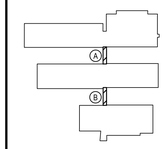
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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE: MECHANICAL
FIRST FLOOR MECHANICAL DEMOLITION WORK PLAN

DRAWING BY: U.F.
CHECK BY: U.F.

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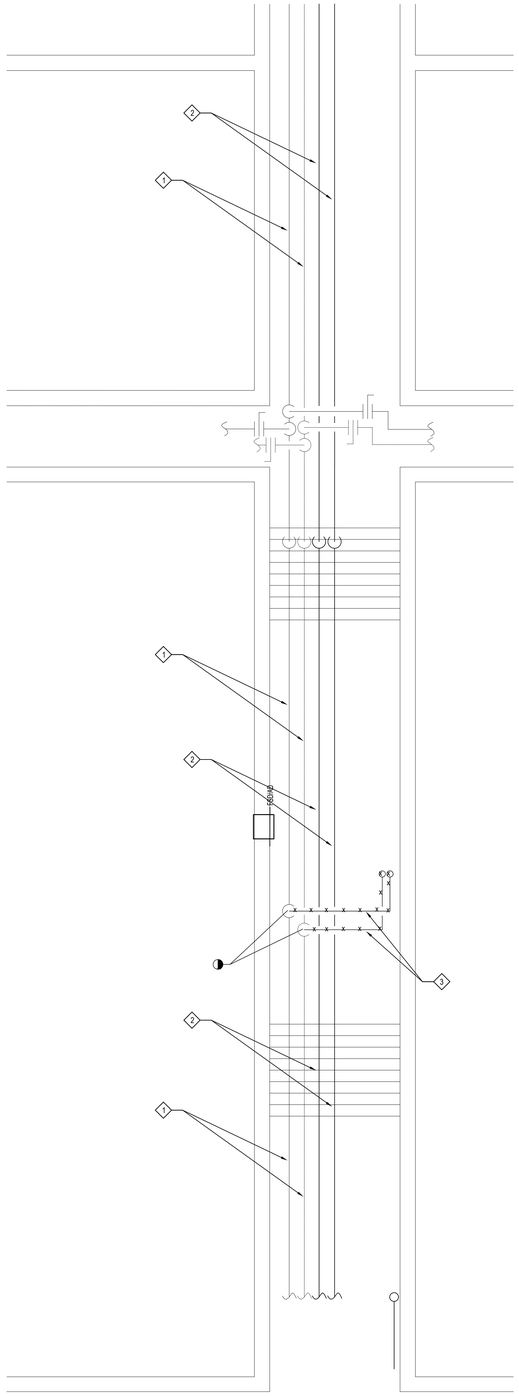
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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	FIRST FLOOR MECHANICAL DEMOLITION WORK PLAN
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
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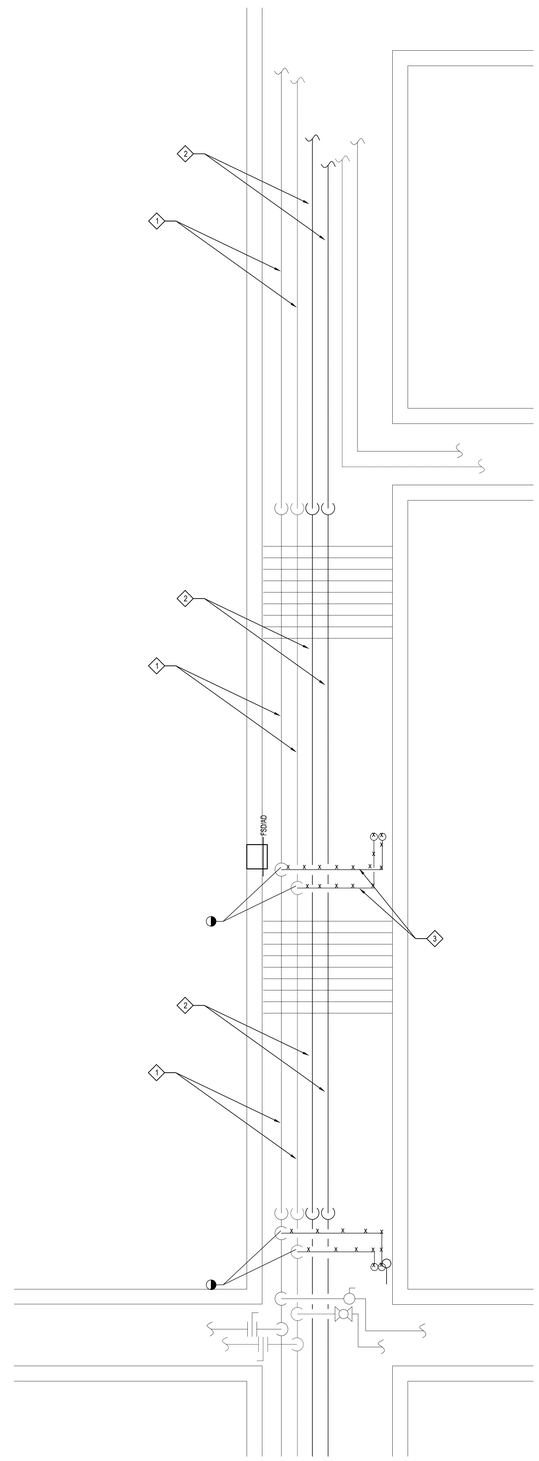


BASEMENT LEVEL - PIPE TUNNEL -MIDDLE SCHOOL- CORRIDOR "B" - DEMOLITION WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL SCALE: 1/4" = 1'-0"

BASEMENT LEVEL - PIPE TUNNEL - MILLBROOK MIDDLE SCHOOL - CORRIDOR "B" - DEMOLITION WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. EXISTING 6"Ø HWS/HWR MAIN LINES RUNNING IN EXISTING PIPE TUNNEL TO REMAIN & BE RE-USED.
2. EXISTING 3"Ø GLYCOL HWS/HWR MAIN LINES RUNNING IN EXISTING PIPE TUNNEL TO REMAIN & ARE SHOWN FOR COORDINATION PURPOSES.
3. MC SHALL DEMO & REMOVE EXISTING 1-1/4"Ø HWS/HWR BRANCH PIPING GOING TO EXISTING FLOOR MOUNTED HOT WATER CABINET HEATER ABOVE ON FIRST FLOOR OF SPACE.



BASEMENT LEVEL - PIPE TUNNEL -MIDDLE SCHOOL- CORRIDOR "A" - DEMOLITION WORK - PARTIAL PLAN

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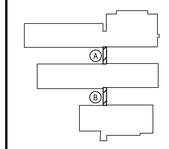
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REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE

MECHANICAL
BASEMENT PIPE TUNNEL DEMOLITION WORK PLAN

DRAWING BY: U.F.
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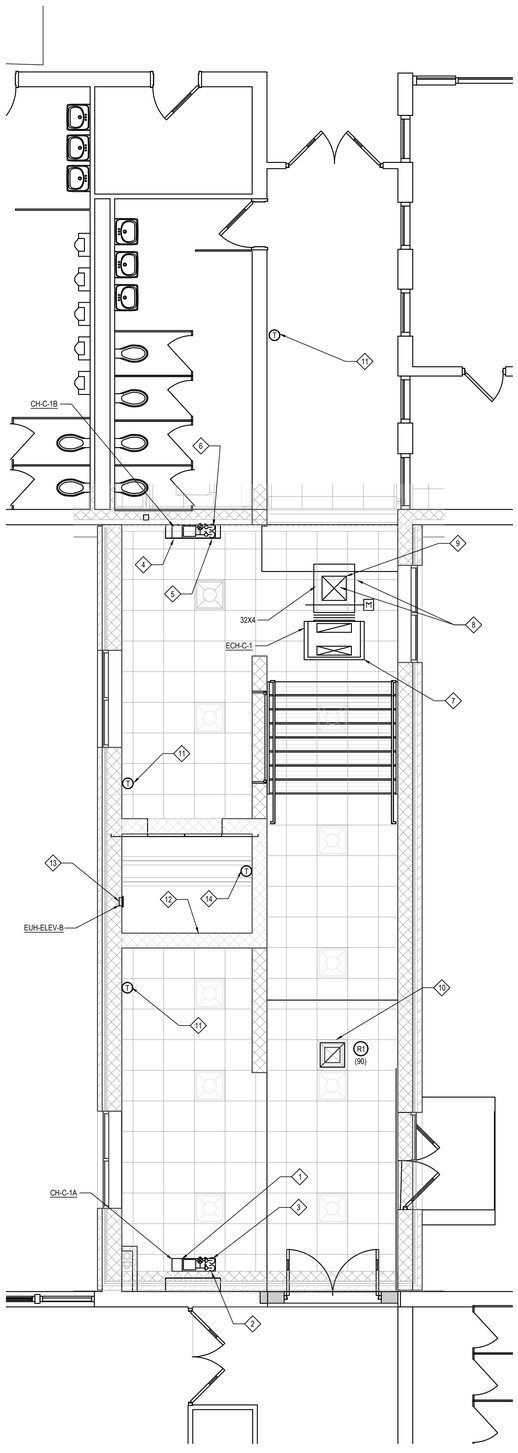
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PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	BASEMENT PIPE TUNNEL DEMOLITION WORK PLAN
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

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FIRST FLOOR -MIDDLE SCHOOL- CORRIDOR "B" - NEW WORK - PARTIAL PLAN

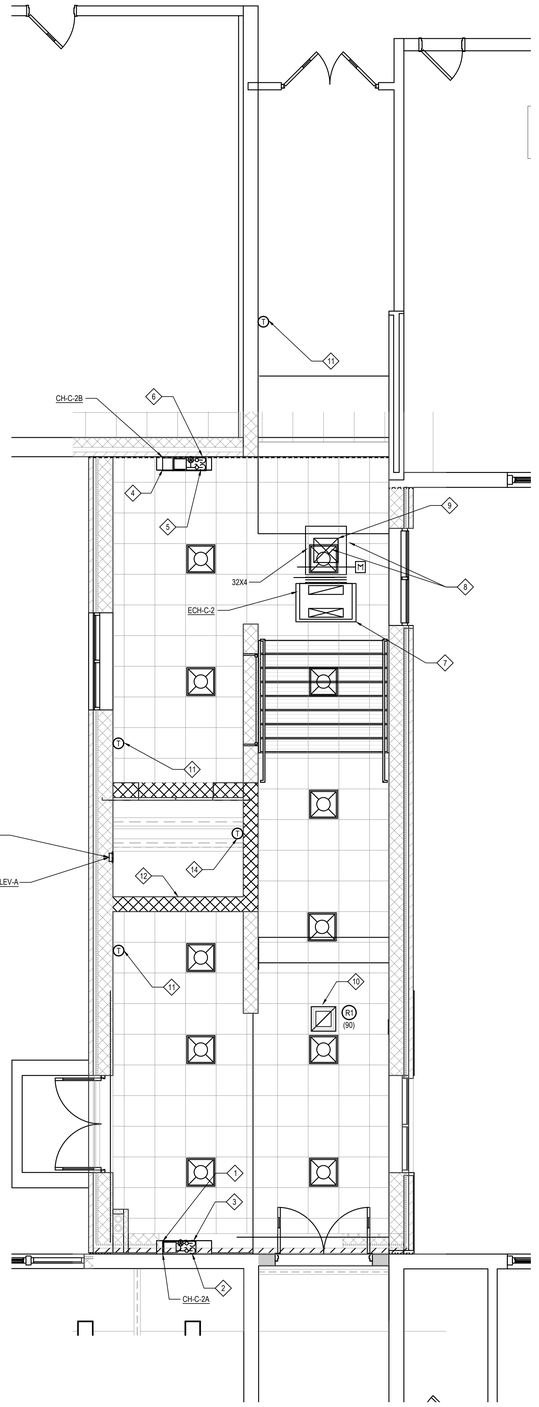
MILLBROOK MIDDLE SCHOOL SCALE: 1/4" = 1'-0"

FIRST FLOOR - MILLBROOK MIDDLE SCHOOL - CORRIDOR "B" - NEW WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. MC SHALL FURNISH & INSTALL A NEW FLOOR MOUNTED HYDRONIC HOT WATER CABINET HEATER (CH-C-1A) AS SHOWN. MC TO COORDINATE WORK WITH GC & EC. MC TO HAVE GC CLEAN EXISTING FLOOR BEFORE INSTALLATION OF NEW FLOOR MOUNTED UNIT.
2. MC SHALL FURNISH & INSTALL NEW 1-1/2"Ø HOT WATER SUPPLY PIPING COMING UP FROM FLOOR WITHIN NEW HYDRONIC HOT WATER CABINET HEATER (CH-C-1A). MC TO FURNISH & INSTALL PIPING UNIONS, FLEXIBLE PIPING CONNECTIONS, SHUT-OFF BALL VALVES, STRAINER IN NEW PIPING. MC SHALL RUN NEW PIPING UP THROUGH EXISTING FLOOR WITHIN SIDE CABINET OF NEW FLOOR-MOUNTED CABINET HEATER. MC TO HAVE CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO PIPING TUNNEL. SEE DRAWING M2.02 FOR CONTINUATION OF WORK IN BASEMENT PIPING TUNNEL. MC SHALL PROVIDE FIRE STOPPING AS PER PROJECT MANUAL REQUIREMENTS FOR PIPING PENETRATION THROUGH FLOOR. MC TO ALSO REFER TO DETAILS DRAWING FOR COIL PIPING CONNECTION DETAILS.
3. MC SHALL FURNISH & INSTALL NEW 1-1/2"Ø HOT WATER RETURN PIPING COMING UP FROM FLOOR WITHIN NEW HYDRONIC HOT WATER CABINET HEATER (CH-C-1A). MC TO FURNISH & INSTALL PIPING UNIONS, FLEXIBLE PIPING CONNECTIONS, SHUT-OFF BALL VALVES, CHECK VALVE, BALANCING VALVE, & NEW DDC MODULATING THREE-WAY HOT WATER CONTROL VALVE IN NEW PIPING. MC SHALL RUN NEW PIPING UP THROUGH EXISTING FLOOR WITHIN SIDE CABINET OF NEW FLOOR-MOUNTED CABINET HEATER. MC TO HAVE GC CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO PIPING TUNNEL. SEE DRAWING M2.02 FOR CONTINUATION OF WORK IN BASEMENT PIPING TUNNEL. MC SHALL PROVIDE FIRE STOPPING AS PER PROJECT MANUAL REQUIREMENTS FOR PIPING PENETRATION THROUGH FLOOR. MC TO ALSO REFER TO DETAILS DRAWING FOR COIL PIPING CONNECTION DETAILS.
4. MC SHALL FURNISH & INSTALL A NEW FLOOR MOUNTED HYDRONIC HOT WATER CABINET HEATER (CH-C-1B) AS SHOWN. MC TO COORDINATE WORK WITH GC & EC. MC TO HAVE GC CLEAN EXISTING FLOOR BEFORE INSTALLATION OF NEW FLOOR MOUNTED UNIT.
5. MC SHALL FURNISH & INSTALL NEW 1-1/2"Ø HOT WATER SUPPLY PIPING COMING UP FROM FLOOR WITHIN NEW HYDRONIC HOT WATER CABINET HEATER (CH-C-1B). MC TO FURNISH & INSTALL PIPING UNIONS, FLEXIBLE PIPING CONNECTIONS, SHUT-OFF BALL VALVES, STRAINER IN NEW PIPING. MC SHALL RUN NEW PIPING UP THROUGH EXISTING FLOOR WITHIN SIDE CABINET OF NEW FLOOR-MOUNTED CABINET HEATER. MC TO HAVE CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO PIPING TUNNEL. SEE DRAWING M2.02 FOR CONTINUATION OF WORK IN BASEMENT PIPING TUNNEL. MC SHALL PROVIDE FIRE STOPPING AS PER PROJECT MANUAL REQUIREMENTS FOR PIPING PENETRATION THROUGH FLOOR. MC TO ALSO REFER TO DETAILS DRAWING FOR COIL PIPING CONNECTION DETAILS.
6. MC SHALL FURNISH & INSTALL NEW 1-1/2"Ø HOT WATER RETURN PIPING COMING UP FROM FLOOR WITHIN NEW HYDRONIC HOT WATER CABINET HEATER (CH-C-1B). MC TO FURNISH & INSTALL PIPING UNIONS, FLEXIBLE PIPING CONNECTIONS, SHUT-OFF BALL VALVES, CHECK VALVE, BALANCING VALVE, & NEW DDC MODULATING THREE-WAY HOT WATER CONTROL VALVE IN NEW PIPING. MC SHALL RUN NEW PIPING UP THROUGH EXISTING FLOOR WITHIN SIDE CABINET OF NEW FLOOR-MOUNTED CABINET HEATER. MC TO HAVE GC CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO PIPING TUNNEL. SEE DRAWING M2.02 FOR CONTINUATION OF WORK IN BASEMENT PIPING TUNNEL. MC SHALL PROVIDE FIRE STOPPING AS PER PROJECT MANUAL REQUIREMENTS FOR PIPING PENETRATION THROUGH FLOOR. MC TO ALSO REFER TO DETAILS DRAWING FOR COIL PIPING CONNECTION DETAILS.
7. MC SHALL FURNISH & INSTALL A NEW CEILING RECESSED ELECTRICAL CABINET HEATER (ECH-C-1) WITH FRESH AIR CONNECTION DUCTWORK AS SHOWN. MC SHALL INSTALL EQUIPMENT WITH A RECESSED CEILING TRIM FIT KIT FROM APPROVED EQUIPMENT MANUFACTURER & INSTALL IN BETWEEN EXISTING STEEL I-BEAMS ABOVE PROPOSED DROP CEILING. GC TO BE FURNISHING & INSTALLING NEW DROP CEILING. MC SHALL COORDINATE EQUIPMENT INSTALLATION WORK WITH GC. MC TO CUT NEW CEILING TILES & PROVIDE RECESSED TRIM KIT KIT TO INSTALL EQUIPMENT.
8. MC SHALL FURNISH & INSTALL NEW 32X4 FRESH AIR DUCTWORK WITH EXTERIOR INSULATION ON BACK OF NEW ELECTRICAL CABINET HEATER AS SHOWN & CONNECT TO BACK OF NEW ELECTRICAL CABINET HEATER AS SHOWN. MC TO PROVIDE FLEXIBLE DUCT CONNECTION TO EQUIPMENT. MC SHALL FURNISH & INSTALL NEW MOTORIZED TWO-POSITION DDC FRESH AIR DAMPER. APPROVED CABINET HEATER SHALL HAVE, AT MINIMUM, AN INTEGRAL TWO-POSITION RETURN AIR DAMPER.
9. MC SHALL FURNISH & INSTALL NEW 19X19 VERTICAL FRESH AIR INTAKE DUCTWORK ON TOPSIDE OF NEW 32X4 FRESH AIR DUCTWORK SHOWN. MC TO THEN RUN NEW 19X19 VERTICAL DUCTWORK UP THROUGH ROOF TO NEW GRAVITY INTAKE HOOD (GIH-CORR C-1). MC TO HAVE GC CUT 19X19 OPENING IN ROOF WITH MC PRESENT. REFER TO DRAWING M2.03 FOR CONTINUATION ON ROOF PLAN FOR CORRIDOR.
10. MC SHALL FURNISH & INSTALL NEW 14X14 EXHAUST GRILLE (SURFACE MOUNTED) IN A NEW 24X24 DROP CEILING. MC TO THEN CONNECT 12X12 DUCTWORK TO GRILLE & TRANSITION TO A 19X19 DUCT & RUN UP VERTICALLY THROUGH ROOF TO NEW GRAVITY RELIEF HOOD (GRH-CORR C-1). MC TO HAVE GC CUT 19X19 OPENING IN ROOF WITH MC PRESENT. REFER TO DRAWING M2.03 FOR CONTINUATION ON ROOF PLAN FOR CORRIDOR.
11. MC SHALL HAVE BMS SUBCONTRACTOR FURNISH & INSTALL A NEW DDC ROOM TEMPERATURE THERMOSTAT AND TIE INTO NEW BMS SYSTEM.
12. MC SHALL HAVE GC CUT A 19X19 HOISTWAY WALL OPENING WITH MC PRESENT FOR INSTALLATION OF NEW ROOFTOP SIDE-WALL ELEVATOR HOISTWAY VENTILATION FAN (REF-ELEV-B). MC SHALL INSTALL NEW 19X19 DUCT SLEEVE IN HOISTWAY WALL OPENING & RUN OUT INTO NEW FAN WALL CURB FOR NEW VENTILATION EXHAUST FAN. WITHIN WALL CURB, MC SHALL FURNISH & INSTALL A DAMPER TRAY FROM APPROVED VENTILATION FAN MANUFACTURER. MC TO THEN FURNISH & INSTALL A COMBINATION FIRE SMOKE DAMPER & HAVE EC TIE DAMPER INTO EXISTING FIRE ALARM SYSTEM. AT INISDE OF DUCT OPENING, MC SHALL PROVIDE A 1/2"X1/2"X1/2" 16-GAUGE WIRE MESH SCREEN FLUSH TO INTERIOR HOISTWAY WALL OPENING UNDERSIDE. REFER TO DRAWING M2.03 FOR CONTINUATION ON ROOF PLAN.
13. MC SHALL FURNISH & INSTALL A NEW WALL RECESSED ELECTRICAL UNIT HEATER (EUH-ELEV-B) WITHIN ELEVATOR HOISTWAY WALL AS SHOWN. MC SHALL HAVE GC CUT A 14-9/16" HEIGHT X 6-3/8" WIDTH X 2-3/8" DEPTH WALL INSET TO INSTALL ELECTRICAL UNIT HEATER. MC TO COORDINATE WORK WITH GC AND EC.
14. CONTROLS INFORMATION:
    MC SHALL HAVE BMS SUBCONTRACTOR FURNISH & INSTALL A NEW DDC TEMPERATURE THERMOSTAT/SENSOR WITHIN NEW ELEVATOR HOISTWAY APPROXIMATELY 2'-0" FROM BASE OF ELEVATOR HOISTWAY PIT. MC SHALL HAVE BMS SUBCONTRACTOR TIE IN THERMOSTAT TO NEW ELECTRICAL UNIT HEATER (EUH-ELEV-B) & NEW ROOFTOP VENTILATION FAN (REF-ELEV-B) AND TIE THERMOSTAT & CONTROLS INTO NEW BMS SYSTEM.

    SUMMER TIME SEQUENCE OF OPERATIONS:
    DURING BOTH OCCUPIED AND UN-OCCUPIED HOURS, NEW HOIST WAY THERMOSTAT SHALL BE SET AT 85°F (ADJUSTABLE) & WHEN HOIST WAY TEMPERATURE GOES ABOVE SET POINT, UPON A CALL FOR FAN TO ENERGIZE, NEW EXHAUST FAN MOTORIZED FIRE/SMOKE EXHAUST DAMPER & MOTORIZED FIRE SMOKE INTAKE DAMPER SHALL BOTH OPEN. UPON PROOF THAT BOTH COMBINATION FIRE/SMOKE DAMPERS HAVE OPENING, THE NEW VENTILATION FAN (REF-ELEV-B) SHALL ENERGIZE AND SHALL RUN TO EXHAUST OUT AIR FROM HOIST WAY UNIT TEMPERATURE IN HOIST WAY REACHES SETPOINT.

    WINTER TIME SEQUENCE OF OPERATIONS:
    DURING BOTH OCCUPIED AND UN-OCCUPIED HOURS, NEW HOISTWAY THERMOSTAT SHALL BE SET AT 45°F (ADJUSTABLE) & WHEN HOISTWAY TEMPERATURE GOES BELOW SETPOINT, NEW ELECTRICAL UNIT HEATER FAN (EUH-ELEV-B) SHALL ENERGIZE AND SHALL RUN TO MAINTAIN HOISTWAY UNIT TEMPERATURE SETPOINT.



FIRST FLOOR -MIDDLE SCHOOL- CORRIDOR "A" - NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL SCALE: 1/4" = 1'-0"

GENERAL NEW WORK NOTES (CORRIDOR "B"):
1. ALL NEW CONTROLS TO BE DONE BY CONTROLS (BMS) SUBCONTRACTOR. REFER TO PROJECT MANUAL FOR SEQUENCES OF OPERATIONS.
2. GRAVITY RELIEF HOOD SHALL HAVE A GRAVITY RELIEF BACK DRAFT DAMPER PROVIDED BY APPROVED GRAVITY HOOD MANUFACTURER.
3. MC TO FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO START OF NEW WORK & COORDINATE NEW WORK WITH GC.

FIRST FLOOR - MILLBROOK MIDDLE SCHOOL - CORRIDOR "A" - NEW WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. MC SHALL FURNISH & INSTALL A NEW FLOOR MOUNTED HYDRONIC HOT WATER CABINET HEATER (CH-C-2A) AS SHOWN. MC TO COORDINATE WORK WITH GC & EC. MC TO HAVE GC CLEAN EXISTING FLOOR BEFORE INSTALLATION OF NEW FLOOR MOUNTED UNIT.
2. MC SHALL FURNISH & INSTALL NEW 1-1/2"Ø HOT WATER SUPPLY PIPING COMING UP FROM FLOOR WITHIN NEW HYDRONIC HOT WATER CABINET HEATER (CH-C-2A). MC TO FURNISH & INSTALL PIPING UNIONS, FLEXIBLE PIPING CONNECTIONS, SHUT-OFF BALL VALVES, STRAINER IN NEW PIPING. MC SHALL RUN NEW PIPING UP THROUGH EXISTING FLOOR WITHIN SIDE CABINET OF NEW FLOOR-MOUNTED CABINET HEATER. MC TO HAVE GC CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO PIPING TUNNEL. SEE DRAWING M2.02 FOR CONTINUATION OF WORK IN BASEMENT PIPING TUNNEL. MC SHALL PROVIDE FIRE STOPPING AS PER PROJECT MANUAL REQUIREMENTS FOR PIPING PENETRATION THROUGH FLOOR. MC TO ALSO REFER TO DETAILS DRAWING FOR COIL PIPING CONNECTION DETAILS.
3. MC SHALL FURNISH & INSTALL NEW 1-1/2"Ø HOT WATER RETURN PIPING COMING UP FROM FLOOR WITHIN NEW HYDRONIC HOT WATER CABINET HEATER (CH-C-2A). MC TO FURNISH & INSTALL PIPING UNIONS, FLEXIBLE PIPING CONNECTIONS, SHUT-OFF BALL VALVES, CHECK VALVE, BALANCING VALVE, & NEW DDC MODULATING THREE-WAY HOT WATER CONTROL VALVE IN NEW PIPING. MC SHALL RUN NEW PIPING UP THROUGH EXISTING FLOOR WITHIN SIDE CABINET OF NEW FLOOR-MOUNTED CABINET HEATER. MC TO HAVE CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO PIPING TUNNEL. SEE DRAWING M2.02 FOR CONTINUATION OF WORK IN BASEMENT PIPING TUNNEL. MC SHALL PROVIDE FIRE STOPPING AS PER PROJECT MANUAL REQUIREMENTS FOR PIPING PENETRATION THROUGH FLOOR. MC TO ALSO REFER TO DETAILS DRAWING FOR COIL PIPING CONNECTION DETAILS.
4. MC SHALL FURNISH & INSTALL A NEW FLOOR MOUNTED HYDRONIC HOT WATER CABINET HEATER (CH-C-2B) AS SHOWN. MC TO COORDINATE WORK WITH GC & EC. MC TO HAVE GC CLEAN EXISTING FLOOR BEFORE INSTALLATION OF NEW FLOOR MOUNTED UNIT.
5. MC SHALL FURNISH & INSTALL NEW 1-1/2"Ø HOT WATER SUPPLY PIPING COMING UP FROM FLOOR WITHIN NEW HYDRONIC HOT WATER CABINET HEATER (CH-C-2B). MC TO FURNISH & INSTALL PIPING UNIONS, FLEXIBLE PIPING CONNECTIONS, SHUT-OFF BALL VALVES, STRAINER IN NEW PIPING. MC SHALL RUN NEW PIPING UP THROUGH EXISTING FLOOR WITHIN SIDE CABINET OF NEW FLOOR-MOUNTED CABINET HEATER. MC TO HAVE GC CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO PIPING TUNNEL. SEE DRAWING M2.02 FOR CONTINUATION OF WORK IN BASEMENT PIPING TUNNEL. MC SHALL PROVIDE FIRE STOPPING AS PER PROJECT MANUAL REQUIREMENTS FOR PIPING PENETRATION THROUGH FLOOR. MC TO ALSO REFER TO DETAILS DRAWING FOR COIL PIPING CONNECTION DETAILS.
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7. MC SHALL FURNISH & INSTALL A NEW CEILING RECESSED ELECTRICAL CABINET HEATER (ECH-C-2) WITH FRESH AIR CONNECTION DUCTWORK AS SHOWN. MC SHALL INSTALL EQUIPMENT WITH A RECESSED CEILING TRIM FIT KIT FROM APPROVED EQUIPMENT MANUFACTURER & INSTALL IN BETWEEN EXISTING STEEL I-BEAMS ABOVE PROPOSED DROP CEILING. GC TO BE FURNISHING & INSTALLING NEW DROP CEIL MG. MC SHALL COORDINATE EQUIPMENT INSTALLATION WORK WITH GC. MC TO CUT NEW CEILING TILES & PROVIDE RECESSED TRIM KIT KIT TO INSTALL EQUIPMENT.
8. MC SHALL FURNISH & INSTALL NEW 32X4 FRESH AIR DUCTWORK WITH EXTERIOR INSULATION ON BACK OF NEW ELECTRICAL CABINET HEATER AS SHOWN & CONNECT TO BACK OF NEW ELECTRICAL CABINET HEATER AS SHOWN. MC TO PROVIDE FLEXIBLE DUCT CONNECTION TO EQUIPMENT. MC SHALL FURNISH & INSTALL NEW MOTORIZED TWO-POSITION DDC FRESH AIR DAMPER. APPROVED CABINET HEATER SHALL HAVE, AT MINIMUM, AN INTEGRAL TWO-POSITION RETURN AIR DAMPER.
9. MC SHALL FURNISH & INSTALL NEW 19X19 VERTICAL FRESH AIR INTAKE DUCTWORK ON TOPSIDE OF NEW 32X4 FRESH AIR DUCTWORK SHOWN. MC TO THEN RUN NEW 19X19 VERTICAL DUCTWORK UP THROUGH ROOF TO NEW GRAVITY INTAKE HOOD (GIH-CORR C-2). MC TO HAVE GC CUT 19X19 OPENING IN ROOF WITH MC PRESENT. REFER TO DRAWING M2.03 FOR CONTINUATION ON ROOF PLAN FOR CORRIDOR.
10. MC SHALL FURNISH & INSTALL NEW 14X14 EXHAUST GRILLE (SURFACE MOUNTED) IN A NEW 24X24 DROP CEILING. MC TO THEN CONNECT 12X12 DUCTWORK TO GRILLE & TRANSITION TO A NEW 19X19 DUCT & RUN UP VERTICALLY THROUGH ROOF TO NEW GRAVITY RELIEF HOOD (GRH-CORR C-2). MC TO HAVE GC CUT 19X19 OPENING IN ROOF WITH MC PRESENT. REFER TO DRAWING M2.03 FOR CONTINUATION ON ROOF PLAN FOR CORRIDOR.
11. MC SHALL HAVE BMS SUBCONTRACTOR FURNISH & INSTALL A NEW DDC ROOM TEMPERATURE THERMOSTAT AND TIE INTO NEW BMS SYSTEM.
12. MC SHALL HAVE GC CUT A 19X19 HOISTWAY WALL OPENING WITH MC PRESENT FOR INSTALLATION OF NEW ROOFTOP SIDE-WALL ELEVATOR HOISTWAY VENTILATION FAN (REF-ELEV-A). MC SHALL INSTALL NEW 19X19 DUCT SLEEVE IN HOISTWAY WALL OPENING & RUN OUT INTO NEW FAN WALL CURB FOR NEW VENTILATION EXHAUST FAN. WITHIN WALL CURB, MC SHALL FURNISH & INSTALL A DAMPER TRAY FROM APPROVED VENTILATION FAN MANUFACTURER. MC TO THEN FURNISH & INSTALL A COMBINATION FIRE SMOKE DAMPER & HAVE EC TIE DAMPER INTO EXISTING FIRE ALARM SYSTEM. AT INISDE OF DUCT OPENING, MC SHALL PROVIDE A 1/2"X1/2"X1/2" 16-GAUGE WIRE MESH SCREEN FLUSH TO INTERIOR HOISTWAY WALL OPENING UNDERSIDE. REFER TO DRAWING M2.03 & CONTINUATION & ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS OF PENETRATION.
13. MC SHALL FURNISH & INSTALL A NEW WALL RECESSED ELECTRICAL UNIT HEATER (EUH-ELEV-B) WITHIN ELEVATOR HOISTWAY WALL AS SHOWN. MC SHALL HAVE GC CUT A 14-9/16" HEIGHT X 6-3/8" WIDTH X 2-3/8" DEPTH WALL INSET TO INSTALL ELECTRICAL UNIT HEATER. MC TO COORDINATE WORK WITH GC AND EC.
14. CONTROLS NOTES:
    MC SHALL HAVE BMS SUBCONTRACTOR FURNISH & INSTALL A NEW DDC TEMPERATURE THERMOSTAT/SENSOR WITHIN NEW ELEVATOR HOISTWAY APPROXIMATELY 2'-0" FROM BASE OF ELEVATOR HOISTWAY PIT. MC SHALL HAVE BMS SUBCONTRACTOR TIE IN THERMOSTAT TO NEW ELECTRICAL UNIT HEATER (EUH-ELEV-A) & NEW ROOFTOP VENTILATION FAN (REF-ELEV-A) AND TIE THERMOSTAT & CONTROLS INTO NEW BMS SYSTEM.

    SUMMER TIME SEQUENCE OF OPERATIONS:
    DURING BOTH OCCUPIED AND UN-OCCUPIED HOURS, NEW HOIST WAY THERMOSTAT SHALL BE SET AT 85°F (ADJUSTABLE) & WHEN HOIST WAY TEMPERATURE GOES ABOVE SET POINT, UPON A CALL FOR FAN TO ENERGIZE, NEW EXHAUST FAN MOTORIZED FIRE/SMOKE EXHAUST DAMPER & MOTORIZED FIRE SMOKE INTAKE DAMPER SHALL BOTH OPEN. UPON PROOF THAT BOTH COMBINATION FIRE/SMOKE DAMPERS HAVE OPENING, THE NEW VENTILATION FAN (REF-ELEV-A) SHALL ENERGIZE AND SHALL RUN TO EXHAUST OUT AIR FROM HOIST WAY UNIT TEMPERATURE IN HOIST WAY REACHES SETPOINT.

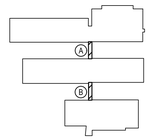
    WINTER TIME SEQUENCE OF OPERATIONS:
    DURING BOTH OCCUPIED AND UN-OCCUPIED HOURS, NEW HOISTWAY THERMOSTAT SHALL BE SET AT 45°F (ADJUSTABLE) & WHEN HOISTWAY TEMPERATURE GOES BELOW SETPOINT, NEW ELECTRICAL UNIT HEATER FAN (EUH-ELEV-A) SHALL ENERGIZE AND SHALL RUN TO MAINTAIN HOISTWAY UNIT TEMPERATURE SETPOINT.

GENERAL NEW WORK NOTES (CORRIDOR "A"):
1. ALL NEW CONTROLS TO BE DONE BY CONTROLS (BMS) SUBCONTRACTOR. REFER TO PROJECT MANUAL FOR SEQUENCES OF OPERATIONS.
2. GRAVITY RELIEF HOOD SHALL HAVE A GRAVITY RELIEF BACK DRAFT DAMPER PROVIDED BY APPROVED GRAVITY HOOD MANUFACTURER.
3. MC TO FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO START OF NEW WORK & COORDINATE NEW WORK WITH GC.

REV.	DATE	ITEM

NOTICE

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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE: MECHANICAL
FIRST FLOOR MECHANICAL NEW WORK PLAN

DRAWING BY: U.F.
CHECK BY: U.F.

NOTICE

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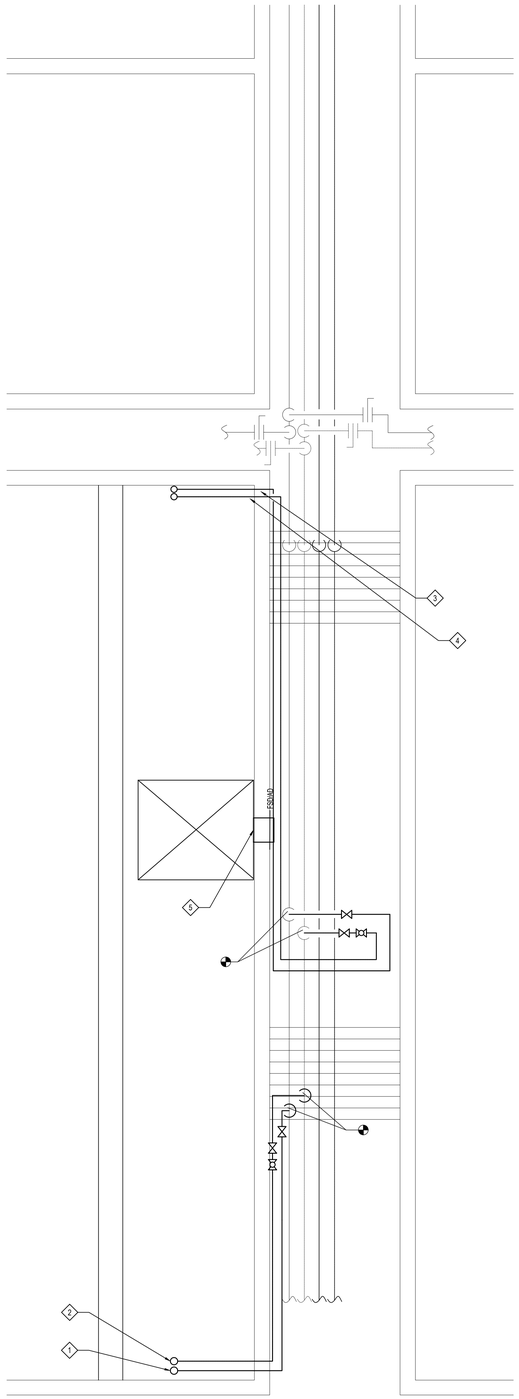
244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

100 GREAT OAKS BLVD
SUITE 115, ALBANY
NEW YORK 12203
T. 518.621.7650
F. 518.621.7655

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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	FIRST FLOOR MECHANICAL NEW WORK PLAN
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

M2.01



BASEMENT LEVEL - PIPE TUNNEL - MILLBROOK MIDDLE SCHOOL - CORRIDOR "B" - NEW WORK - PARTIAL PLAN - KEY PLAN NOTES:

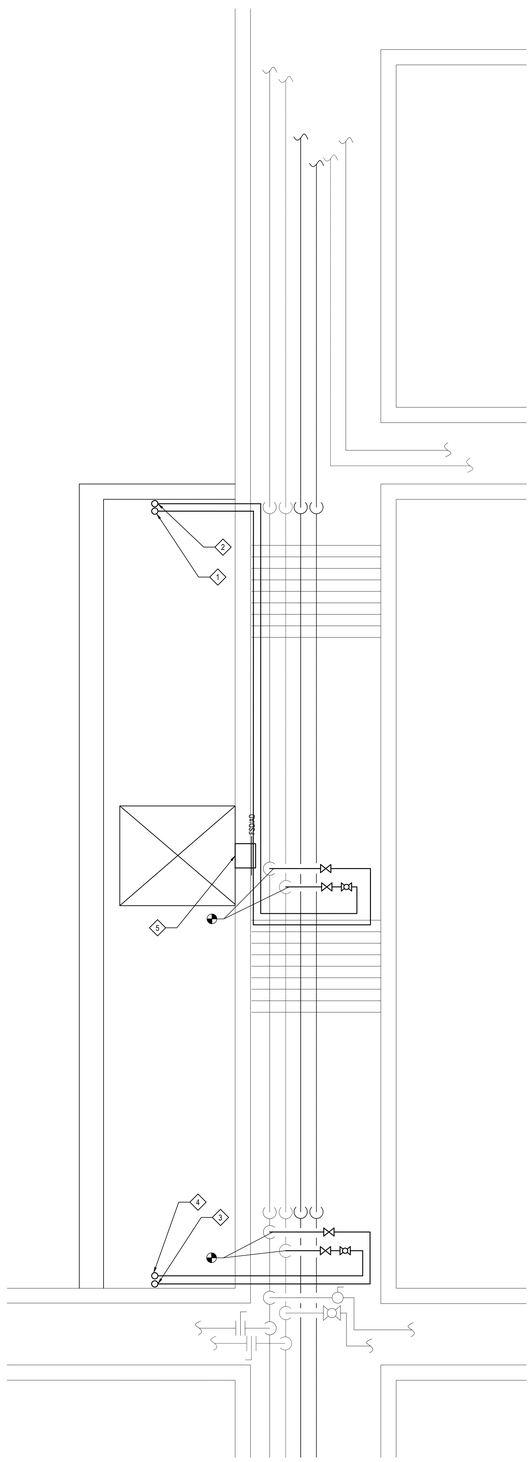
1. MC SHALL RUN NEW 1-1/2"Ø HWS LINE & PROVIDE ISOLATION/SHUT OFF VALVE AS SHOWN. REFER TO DETAILS SECTION FOR ADDITIONAL PIPING ACCESSORIES FOR NEW BRANCH LINE. MC TO HAVE GC CORE DRILL NEW 1-1/2"Ø OPENING IN TUNNEL CEILING SLAB WITH MC PRESENT. MC TO THEN RUN NEW HWS PIPE UP THROUGH OPENING TO NEW HOT WATER CABINET HEATER (CH-C1-A). MC SHALL PROVIDE FIRESTOPPING AS PER PROJECT MANUAL REQUIREMENTS. SEE DRAWING M2.01 FOR CONTINUATION ON TO FIRST FLOOR PLAN. MC TO HAVE CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO 1ST FLOOR ABOVE NEW SLAB.
2. MC SHALL RUN NEW 1-1/2"Ø HWR LINE & PROVIDE ISOLATION/SHUT OFF VALVE & FLOW BALANCING VALVE AS SHOWN. REFER TO DETAILS SECTION FOR ADDITIONAL PIPING ACCESSORIES FOR NEW BRANCH LINE. MC TO HAVE GC CORE DRILL NEW 1-1/2"Ø OPENING IN TUNNEL CEILING SLAB WITH MC PRESENT. MC TO THEN RUN NEW HWS PIPE UP THROUGH OPENING TO NEW HOT WATER CABINET HEATER (CH-C1-A). MC SHALL PROVIDE FIRESTOPPING AS PER PROJECT MANUAL REQUIREMENTS. SEE DRAWING M2.01 FOR CONTINUATION ON TO FIRST FLOOR PLAN. MC TO HAVE CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO 1ST FLOOR ABOVE NEW SLAB.
3. MC SHALL RUN NEW 1-1/2"Ø HWS LINE IN PIPING TUNNEL SPACE & PROVIDE ISOLATION/SHUT OFF VALVE AS SHOWN. REFER TO DETAILS SECTION FOR ADDITIONAL PIPING ACCESSORIES FOR NEW BRANCH LINE. MC TO HAVE GC CORE DRILL NEW 1-1/2"Ø OPENING IN TUNNEL WALL/CEILING SLAB WITH MC PRESENT. MC TO THEN RUN NEW HWS PIPE UP THROUGH OPENING TO NEW HOT WATER CABINET HEATER (CH-C1-B). MC SHALL PROVIDE FIRESTOPPING AS PER PROJECT MANUAL REQUIREMENTS. SEE DRAWING M2.01 FOR CONTINUATION ON TO FIRST FLOOR PLAN. MC TO HAVE CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO 1ST FLOOR ABOVE NEW SLAB.
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5. MC SHALL HAVE GC CUT NEW 19X19 OPENING IN ELEVATOR HOIST WAY WALL WITH MC PRESENT. MC SHALL THEN FURNISH & INSTALL A NEW COMBINATION FIRE/SMOKE (FSD) MOTORIZED DAMPER IN OPENING. FIRE SMOKE DAMPER SHALL BE 16" THICK AND SHALL BE A 19X19 FACE AREA SIZE. THE FIRE SMOKE DAMPER SHALL HAVE THE SAME VOLTS-PHASE-HERTZ AS THE FIRE/SMOKE DAMPER FOR THE ELEVATOR HOIST WAY EXHAUST FAN. MC SHALL HAVE EC TIE IN NEW FIRE/SMOKE DAMPER TO LOCAL FIRE ALARM PANEL/SYSTEM. MC SHALL INSTALL FIRE SMOKE DAMPER SUCH THAT IT IS FLUSH TO THE INSIDE WALL OF THE HOIST WAY SO AS NOT TO PROTRUDE INTO THE HOIST WAY SHAFT. MC SHALL COORDINATE INSTALLATION WITH NEW PIPING & RUN PIPING WELL ABOVE & OUT OF THE WAY OF THE NEW FIRE/SMOKE DAMPER.

GENERAL NEW WORK NOTES (CORRIDOR "B"):

1. ALL NEW CONTROLS TO BE DONE BY CONTROLS (BMS) SUBCONTRACTOR. REFER TO PROJECT MANUAL FOR SEQUENCES OF OPERATIONS.
2. MC TO FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO START OF NEW WORK & COORDINATE NEW WORK WITH GC.

BASEMENT LEVEL - PIPE TUNNEL -MIDDLE SCHOOL- CORRIDOR "B" - NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL — SCALE: 1/4" = 1'-0"



BASEMENT LEVEL - PIPE TUNNEL - MILLBROOK MIDDLE SCHOOL - CORRIDOR "A" - NEW WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. MC SHALL RUN NEW 1-1/2"Ø HWS LINE IN PIPING TUNNEL SPACE & PROVIDE ISOLATION/SHUT OFF VALVE AS SHOWN. REFER TO DETAILS SECTION FOR ADDITIONAL PIPING ACCESSORIES FOR NEW BRANCH LINE. MC TO HAVE GC CORE DRILL NEW 1-1/2"Ø OPENING IN TUNNEL CEILING SLAB WITH MC PRESENT. MC TO THEN RUN NEW HWS PIPE UP THROUGH OPENING TO NEW HOT WATER CABINET HEATER (CH-C2-B). MC SHALL PROVIDE FIRESTOPPING AS PER PROJECT MANUAL REQUIREMENTS. SEE DRAWING M2.01 FOR CONTINUATION ON TO FIRST FLOOR PLAN. MC TO HAVE CHOP UP FLOOR SLAB & PROVIDE A 3-1/2"Ø PIPING SLEEVE THEN HAVE GC CORE DRILL NEW 3-1/2"Ø OPENING IN FLOOR WITH MC PRESENT TO GET INTO 1ST FLOOR ABOVE NEW SLAB.
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5. MC SHALL HAVE GC CUT NEW 19X19 OPENING IN ELEVATOR HOIST WAY WALL WITH MC PRESENT. MC SHALL THEN FURNISH & INSTALL A NEW COMBINATION FIRE/SMOKE (FSD) MOTORIZED DAMPER IN OPENING. FIRE SMOKE DAMPER SHALL BE 16" THICK AND SHALL BE A 19X19 FACE AREA SIZE. THE FIRE SMOKE DAMPER SHALL HAVE THE SAME VOLTS-PHASE-HERTZ AS THE FIRE/SMOKE DAMPER FOR THE ELEVATOR HOIST WAY EXHAUST FAN. MC SHALL HAVE EC TIE IN NEW FIRE/SMOKE DAMPER TO LOCAL FIRE ALARM PANEL/SYSTEM. MC SHALL INSTALL FIRE SMOKE DAMPER SUCH THAT IT IS FLUSH TO THE INSIDE WALL OF THE HOIST WAY SO AS NOT TO PROTRUDE INTO THE HOIST WAY SHAFT. MC SHALL COORDINATE INSTALLATION WITH NEW PIPING & RUN PIPING WELL ABOVE & OUT OF THE WAY OF THE NEW FIRE/SMOKE DAMPER.

GENERAL NEW WORK NOTES (CORRIDOR "A"):

1. ALL NEW CONTROLS TO BE DONE BY CONTROLS (BMS) SUBCONTRACTOR. REFER TO PROJECT MANUAL FOR SEQUENCES OF OPERATIONS.
2. MC TO FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO START OF NEW WORK & COORDINATE NEW WORK WITH GC.

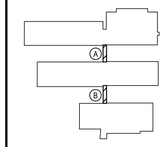
BASEMENT LEVEL - PIPE TUNNEL -MIDDLE SCHOOL- CORRIDOR "A" - NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL — SCALE: 1/4" = 1'-0"

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE: MECHANICAL
BASEMENT PIPE TUNNEL NEW WORK PLAN

DRAWING BY: U.F.
CHECK BY: U.F.

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LANDSCAPE ARCHITECTS
ENGINEERS

244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

100 GREAT OAKS BLVD.
SUITE 115, ALBANY
NEW YORK 12203
T. 518.621.7650
F. 518.621.7655

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SED No. 13-22-01-04-0-008-016

DISTRICT: MILLBROOK CENTRAL SCHOOL DISTRICT

PROJECT: CAPITAL IMPROVEMENT BOND PHASE - 1A

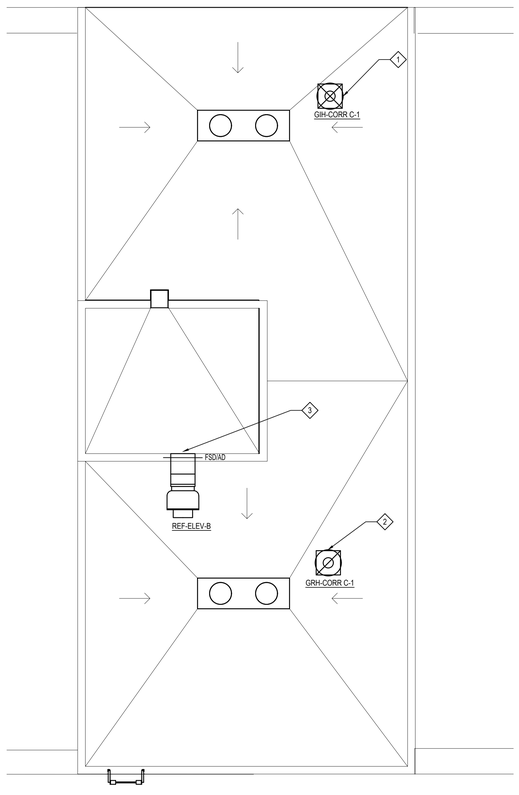
DWG TITLE: BASEMENT PIPE TUNNEL NEW WORK PLAN

SCALE: AS NOTED
DATE: 1/20/26
BID PICK-UP: 5/18/2026
FILE No: 25-237

M2.02

ROOF LEVEL - MILLBROOK MIDDLE SCHOOL - CORRIDOR "B" - DEMOLITION WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. MC SHALL FURNISH RUN A NEW 19X19 FRESH AIR DUCT UP THROUGH ROOF FROM NEW CEILING RECESSED ELECTRICAL CABINET HEATER (ECH-C-1) ON FIRST FLOOR. MC TO HAVE GC CUT 19X19 OPENING IN ROOF WITH MC PRESENT. MC TO THEN FURNISH NEW GRAVITY INTAKE HOOD ROOF CURB TO GC FOR GC TO INSTALL & FLASH WITH MC PRESENT. MC SHALL THEN FURNISH & INSTALL NEW GRAVITY INTAKE HOOD (GIH-CORR C-1) ON ROOF. MC & GC TO REFER TO M6.01 FOR ADDITIONAL DETAILS ON NEW GRAVITY HOOD & ASSOCIATED ROOF CURB. REFER ALSO TO DRAWING M2.01 FOR CONTINUATION ON FIRST FLOOR LEVEL PLAN.
2. MC SHALL FURNISH RUN A NEW 19X19 RELIEF AIR DUCT UP THROUGH ROOF FROM NEW 19X19 DUCTWORK IN CEILING PLENUM ON FIRST FLOOR. MC TO HAVE GC CUT 19X19 OPENING IN ROOF WITH MC PRESENT. MC TO THEN FURNISH NEW GRAVITY INTAKE HOOD ROOF CURB TO GC FOR GC TO INSTALL & FLASH WITH MC PRESENT. MC SHALL THEN FURNISH & INSTALL NEW GRAVITY RELIEF HOOD (GRH-CORR C-1) ON ROOF. MC & GC TO REFER TO M6.01 FOR ADDITIONAL DETAILS ON NEW GRAVITY HOOD & ASSOCIATED ROOF CURB. REFER ALSO TO DRAWING M2.01 FOR CONTINUATION ON FIRST FLOOR LEVEL PLAN.
3. MC SHALL HAVE GC CUT 19X19 OPENING IN HOISTWAY WALL WITH MC PRESENT. MC TO THEN FURNISH NEW APPROVED HOIST WAY VENTILATION FAN WALL CURB & PROVIDE TO GC FOR GC TO INSTALL & FLASH WITH MC PRESENT. MC TO THEN FURNISH & INSTALL NEW HOIST WAY EXHAUST FAN (REF-ELEV-B) AS SHOWN. EC TO CONNECT POWER. MC TO FURNISH & INSTALL A NEW FIRE/SMOKE DAMPER & MC TO HAVE EC TIE IN DAMPER TO EXISTING FIRE ALARM SYSTEM.

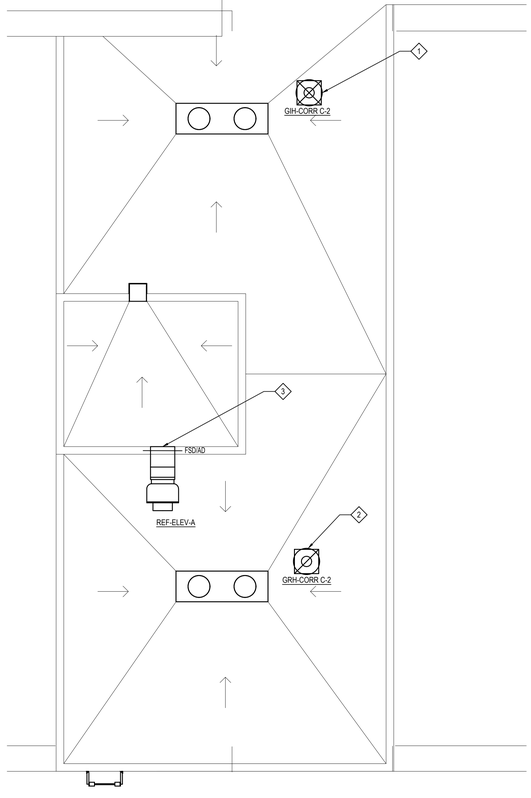


ROOF LEVEL -MIDDLE SCHOOL- CORRIDOR "B" - NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL — SCALE: 1/4" = 1'-0"

ROOF LEVEL - MILLBROOK MIDDLE SCHOOL - CORRIDOR "A" - DEMOLITION WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. MC SHALL FURNISH RUN A NEW 19X19 FRESH AIR DUCT UP THROUGH ROOF FROM NEW CEILING RECESSED ELECTRICAL CABINET HEATER (ECH-C-2) ON FIRST FLOOR. MC TO HAVE GC CUT 19X19 OPENING IN ROOF WITH MC PRESENT. MC TO THEN FURNISH NEW GRAVITY INTAKE HOOD ROOF CURB TO GC FOR GC TO INSTALL & FLASH WITH MC PRESENT. MC SHALL THEN FURNISH & INSTALL NEW GRAVITY INTAKE HOOD (GIH-CORR C-2) ON ROOF. MC & GC TO REFER TO M6.01 FOR ADDITIONAL DETAILS ON NEW GRAVITY HOOD & ASSOCIATED ROOF CURB. REFER ALSO TO DRAWING M2.01 FOR CONTINUATION ON FIRST FLOOR LEVEL PLAN.
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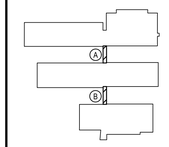
ROOF LEVEL -MIDDLE SCHOOL- CORRIDOR "A" - NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL — SCALE: 1/4" = 1'-0"

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE: MECHANICAL
ROOF LEVEL MECHANICAL NEW WORK PLAN

DRAWING BY: U.F.
CHECK BY: U.F.

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244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

100 GREAT OAKS BLVD.
SUITE 115, ALBANY
NEW YORK 12203
T. 518.621.7650
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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	ROOF LEVEL MECHANICAL NEW WORK PLAN
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

M2.03

HOT WATER (HYDRONIC) CABINET HEATERS (CH-C-1A, CH-C-1B, CH-C-2A, CH-C-2B) & ELECTRICAL CABINET HEATERS (ECH-C1 & ECH-C2) SCHEDULE (BASIS: TRANE/FORCE-FLO)

	Result		CH-C1-A	CH-C1-B	ECH-C1	CH-C2-A	CH-C2-B	ECH-C2
	Quantity		1	1	1	1	1	1
	Model Number		FFBB020	FFBB020	FFEB060	FFBB020	FFBB020	FFEB060
Unit Cabinet Heater (Force-Flo)	Coil type		Hot Water	Hot Water	Electric Heat	Hot Water	Hot Water	Electric Heat
	Cabinet style		Vertical cabinet	Vertical cabinet	Horizontal recessed	Vertical cabinet	Vertical cabinet	Horizontal recessed
	Inlet style		Front bar grille inlet	Front bar grille inlet	Bottom stamped louver inlet	Front bar grille inlet	Front bar grille inlet	Bottom stamped louver inlet
	Outlet style		Top bar grille outlet	Top bar grille outlet	Bottom stamped louver outlet	Top bar grille outlet	Top bar grille outlet	Bottom stamped louver outlet
	Unit cabinet size		Size 020	Size 020	Size 060	Size 020	Size 020	Size 060
	Coil type		3 row hot water	3 row hot water	Electric heat only, max kW, 1 stage	3 row hot water	3 row hot water	Electric heat only, max kW, 1 stage
	Unit voltage		115v/60hz/1ph	115v/60hz/1ph	208v/60hz/1ph	115v/60hz/1ph	115v/60hz/1ph	208v/60hz/1ph
	Electric Heat				10.5 kW (7.9kw 208v)			10.5 kW (7.9kw 208v)
	Design airflow	cfm	300	300	400	300	300	400
	ESP	in H2O	0.000	0.000	0.000	0.000	0.000	0.000
	Heating EAT	F	60.00	60.00	60.00	60.00	60.00	60.00
	Heating ent fluid temp	F	170.00	170.00		170.00	170.00	
	Heating delta T	F	20.00	20.00		20.00	20.00	
	Heating flow rate	gpm	2.51	2.51		2.51	2.51	
	Total heating capacity	MBh	25.08	25.08	26.93	25.08	25.08	26.93
	Heating LAT	F	137.08	137.08	122.05	137.08	137.08	122.05
	Heating lvg fluid temp	F	150.00	150.00		150.00	150.00	
	Heating coil fluid PD	ft H2O	7.10	7.10		7.10	7.10	
	Heating Fluid Velocity	ft/sec	3.76	3.76		3.76	3.76	
	Fluid type		Water	Water		Water	Water	
	Motor hp #1	hp	0.060	0.060	0.029	0.060	0.060	0.029
	Motor rpm #1	rpm	1298	1298	801	1298	1298	801
	Motor power	W	82.0	82.0	49.0	82.0	82.0	49.0
	Min circuit ampacity	A	2.75	2.75	49.64	2.75	2.75	49.64
	Max fuse size	A	15.00	15.00	50.00	15.00	15.00	50.00

ELECTRICAL CABINET HEATER GENERAL SCHEDULE NOTES:
1. PROVIDE STARTERS AND DISCONNECTS FOR EACH EQUIPMENT.
2. PROVIDE FACTORY-AUTHORIZED REPRESENTATIVE TO BE PRESENT FOR START-UP, COMMISSIONING, AND TRAINING OF EQUIPMENT TO OWNER'S PERSONNEL.
3. UNIT TO BE SUPPORTED IN ACCORDANCE WITH APPROVED FAN MANUFACTURER'S REQUIREMENTS.
4. PROVIDE VIBRATION ISOLATORS FOR HANGARS/SUPPORTS.
5. PROVIDE RECESSED FIT TRIM KIT FOR EACH EQUIPMENT.
6. PROVIDE INTEGRAL RETURN AIR & FRESH AIR TWO-POSITION MOTORIZED DAMPERS.
7. COLOR TO BE SELECTED BY ARCHITECT OF RECORD IN SUBMITTAL PHASE.
8. PROVIDE REAR CONFIGURATION OUTSIDE AIR CONNECTION FOR EACH UNIT.
9. PROVIDE 90 CFM OUTSIDE AIR FOR EACH UNIT.

ELEVATOR HOISTWAY VENTILATION EXHAUST FANS (REF-ELEV-A, REF-ELEV-B) SCHEDULE (BASIS: GREENHECK)

EXHAUST FAN SCHEDULE — GREENHECK AS STD.

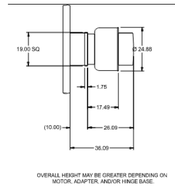
TAG	MODEL	CFM	ESP	FAN RPM	OPERATING POWER (HP)	MOTOR (HP)	INLET SONES	VOLT/PH	*WEIGHT (LBS)	OPTIONS AND ACCESSORIES	NOTES
REF-ELEV-A	CUE-120-VG	1265	1.00	1547	0.34	1/2	14.9	208/1	73.0	1,3,4,5,16	SIDEWALL MOUNTED SEE DETAIL
REF-ELEV-B	CUE-120-VG	1265	1.00	1547	0.34	1/2	14.9	208/1	73.0	1,3,4,5,16	SIDEWALL MOUNTED SEE DETAIL

Options / Accessories:
1. 10" High roof curb
2. Aluminum roof curb adapter to fit existing curb. MC to field verify existing dimensions.
3. UL-705 Listing
4. Varible speed motor w/soft start and thermal overload protection
5 Factory mounted speed dial
6. Remote speed dial for wall mounting
7. 0-10VDC Contol input (signal by others)
8. Mixed flow wheel
9. Motorized damper
10. NEMA-3R disconnect switch
11. Gravity backdraft damper, loose for field mounting
12. Motor w/thermal overload protection
13. Permatector™ outdoor fan coating (fan and attached accessories)
14. Outdoor air intake hood w/washable aluminum filters
15. Performance baffle
16. NEMA 1 disconnect switch

General Notes:
*Weights include all curbs and accessories

ADDITIONAL SCHEDULE NOTES:
1. PROVIDE FACTORY-AUTHORIZED REPRESENTATIVE TO BE PRESENT FOR START-UP, COMMISSIONING, AND TRAINING OF EQUIPMENT TO OWNER'S PERSONNEL.
2. UNIT TO BE SUPPORTED IN ACCORDANCE WITH APPROVED FAN MANUFACTURER'S REQUIREMENTS.
4. PROVIDE VIBRATION ISOLATORS.
5. PROVIDE AMCA RATED FAN.
6. PROVIDE VARI-GREEN MOTOR.
7. PROVIDE STANDARD HEIGHT ROOF CURB FROM APPROVED FAN MANUFACTURER.
8. PROVIDE BIRDSCREEN.
9. PROVIDE STARTERS AND DISCONNECTS.
10. PROVIDE NEW FIRE/SMOKE DAMPER. FIRE/SMOKE DAMPER SHALL BE GREENHECK MODEL FSD-211. REFER TO CUTSHEET IN SCHEDULES.

ELEVATOR HOISTWAY VENTILATION EXHAUST FANS (REF-ELEV-A, REF-ELEV-B) DETAIL (BASIS: GREENHECK)



OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR, ADAPTER, AND/OR HINGE BASE.

COMBINATION FIRE/SMOKE DAMPERS FOR ELEVATOR HOISTWAY CUTSHEET (BASIS: GREENHECK)

GREENHECK
Building Value In Air.

Cut Sheet - Not for Submittal
Printed Date: 02/19/2026
Mark: FSD
Model: FSD-211

FSD-211 Combination Fire Smoke Damper

APPLICATION & DESIGN
Model FSD-211 is a combination fire smoke damper with 3V style blades. This model is designed for operation and dynamic closure in emergency fire smoke situations. It is rated for airflow and leakage in either direction. The FSD-211 may be installed horizontally or vertically (with blades running horizontally).

DAMPER RATINGS

UL 555 Fire Resistance Rating	
Fire Rating:	1 1/2 hours
Dynamic Closure Rating:	Actual ratings are size dependent
Velocity:	Up to 2,000 ft/min
Pressure:	6 in. wg
UL 555S Leakage Rating	
Leakage Class:	I
Operational Rating:	Actual ratings are size dependent
Velocity:	Up to 2,000 ft/min
Pressure:	Up to 6 in. wg
Temperature:	Up to 350 F depending on actuator

PRODUCT DETAILS

Frame Type:	Channel
Frame Thickness:	16 ga
Closure Device:	TORK
Closure Temperature:	165 F
Blade Action:	Parallel
Blade Seal:	Silicone
Axle/Linkage Material:	Plated Steel
Axle Bearings:	316 SS
Sizing:	Nominal

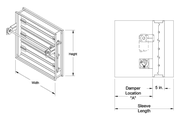
ACTUATOR INFORMATION

Actuator Type:	120 VAC
Actuator Manufacturer:*	No Preference
Operating Mode:	Two Position
Actuator Operation:	Spring Return
Fail Position:	Closed
Time Cycle:	Standard
Operating Temperature:	250 F
Velocity Rating:	2,000 ft/min
Pressure:	4 in. wg
NEMA Enclosure:	1

*Greenheck reserves the right to substitute actuators based on supplier availability

OPTIONS & ACCESSORIES

Union Label:	Required



*This drawing shows a general damper configuration and is not intended to depict the exact configuration of all dampers in this submittal.
• Add 2" to sleeve length for mounting angles on top and bottom of damper.
• Add sleeve thickness for overall sleeved damper dimension.
• Dampers with more than one section wide will be furnished with a single OCI device and will require additional blades as needed.
• Installation instructions available at www.greenheck.com.

CODES APPROVED
Model FSD-211 meets the requirements for fire dampers, smoke dampers and combination fire smoke dampers established by
National Fire Protection Association:
NFPA Standards 80, 90A, 92, 101, 105
IBC (International Building Codes)
CSFM (California State Fire Marshal)
Fire Damper Listing (3225-0981:103)
Leakage (Smoke) Damper Listing (3230-0981:104)
Underwriters Laboratories:
UL Classified to U.S. and Canadian safety standards
Standard 555 & 555S (Listing # R13317)

SUMMARY

ID #	TAG	QTY	WIDTH	HEIGHT	CONFIGURATION			
2-1	FSD-ELEV-A	1	19.000 in.	19.000 in.	Compact Configuration: Left	Single Side Components: No	Actuator Mounting: Internal	Actuator Location: Left Side
					Blade Indicator Location: Left	Drive Arrangement: Drive-MLS-11-1FIL-1	Actuator Mfr: Honeywell	Actuator Model: MS4103F1025
					Actuator Qty: 1	Act. Orientation: Parallel	Sleeve Length: 16.000 in.	Sleeve Thickness: 20 ga
					Damper Location: 7.188 in.	Mounting: Horizontal	Component Location Code: N/A	

GREENHECK
Building Value In Air.

Cut Sheet - Not for Submittal
Printed Date: 02/19/2026
Mark: FSD
Model: FSD-211

ID #	TAG	QTY	WIDTH	HEIGHT	CONFIGURATION			
2-2	FSD-ELEV-B	1	19.000 in.	19.000 in.	Compact Configuration: No	Single Side Components: No	Actuator Mounting: Internal	Actuator Location: Left Side
					Blade Indicator Location: Left	Drive Arrangement: Drive-MLS-11-1FIL-1	Actuator Mfr: Honeywell	Actuator Model: MS4103F1025
					Actuator Qty: 1	Act. Orientation: Parallel	Sleeve Length: 16.000 in.	Sleeve Thickness: 20 ga
					Damper Location: 7.188 in.	Mounting: Horizontal	Component Location Code: N/A	

GRAVITY ROOF HOODS (GIH-CORR C-1, GIH-CORR C-2, GRH-CORR C-1, GRH-CORR C-2) SCHEDULE (BASIS: GREENHECK)

GRAVITY ROOF HOODS — GREENHECK AS STD.

HOOD TAG	GRAVITY HOOD TYPE	MODEL	MODEL SIZE (in.)	DESIGN CFM	STATIC PRESSURE (in. wg)	THROAT AREA (ft2)	THROAT VELOCITY (ft/min)	COMMENTS
GIH-CORR C-1	INTAKE	GRSR-8	8	90	0.01	0.37	243	W/BIRDSCREEN
GRH-CORR C-1	RELIEF	GRSR-8	8	90	0.006	0.37	243	W/BIRDSCREEN, GRAVITY BDD
GIH-CORR C-2	INTAKE	GRSR-8	8	90	0.01	0.37	243	W/BIRDSCREEN
GRH-CORR C-2	RELIEF	GRSR-8	8	90	0.006	0.37	243	W/BIRDSCREEN, GRAVITY BDD

NOTES:
Provide roof curb mounting base for hoods
Provide 18" high roof curb

ADDITIONAL SCHEDULE NOTES:
1. PROVIDE A BIRDSCREEN FOR EACH HOOD.
2. FOR RELIEF HOODS, MANUFACTURER SHALL PROVIDE GRAVITY BACKDRAFT DAMPERS.
3. MC TO FIELD VERIFY LOCATION AND EXACT OPENING SIZE PRIOR TO PROVIDING SUBMITTAL FOR REVIEW & APPROVAL PROCESS.

AIR OUTLETS (R1) SCHEDULE (BASIS: ANEMOSTAT)

ANEMOSTAT AIR OUTLET SCHEDULE

DESIGNATION	DESCRIPTION	NECK SIZE/ DUCT DIA.	FRAME SIZE	CFM RANGE	MAX NC	BORDER TYPE	MANUFACTURE/ MODEL	COMMENTS	NOTE
R1	RETURN GRILLE	14x14	24X24	0-310	<20	LAY-IN	30-45-D	STEEL, 3/4" BLADE SPACING	-

NOTES:
1. COORDINATE CEILING TYPE WITH ARCHITECTURAL CEILING PLAN.
2. RETURN GRILLES TO BE 3/4" BLADE SPACING.
3. FINISH SHALL BE ARCTIC WHITE.
4. FOR ADDITIONAL INFORMATION, PLEASE CONTACT YANNI BANASIOS OF ALBERT WEISS A/C PRODUCTS CONTACT 718.913.8520.

ADDITIONAL SCHEDULE NOTES:
5. COLOR TO BE SELECTED BY ARCHITECT OF RECORD DURING SUBMITTAL PHASE.

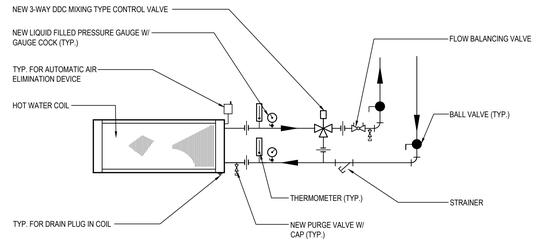
ELEVATOR HOISTWAY ELECTRICAL UNIT HEATERS (EUH-ELEV-A, EUG-ELEV-B) SCHEDULE (BASIS: STELPRO)

ELECTRIC HEATERS — STELPRO AS STD.

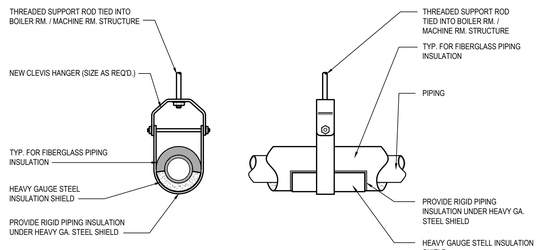
TAG	MODEL	CAPACITY (W)	AIRFLOW (CFM)	VOLTS/PH	FLA (A)	ACCESSORIES / NOTES	THERMOSTAT
EUH-ELEV-A	ARWF1008W	1,000	40	208/1	10.3	RWFDIS277	BY OTHERS
EUH-ELEV-B	ARWF1008W	1,000	40	208/1	10.3	RWFDIS277	BY OTHERS

NOTES:
All disconnect switches shall be factory installed and wired.

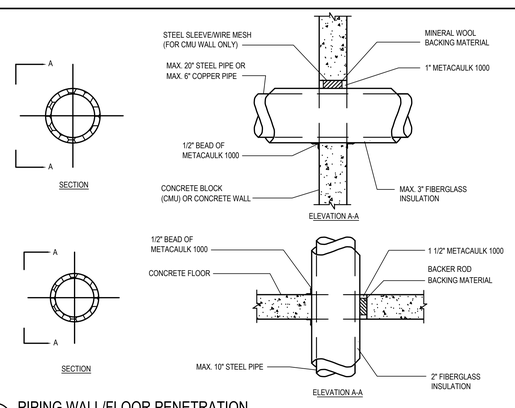
ADDITIONAL SCHEDULE NOTES:
1. PROVIDE FACTORY-AUTHORIZED REPRESENTATIVE TO BE PRESENT FOR START-UP, COMMISSIONING, AND TRAINING OF EQUIPMENT TO OWNER'S PERSONNEL.
2. PROVIDE WALL RECESSED TYPE UNITS.
3. PROVIDE STARTERS AND DISCONNECTS.



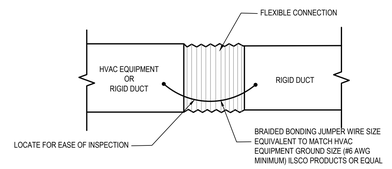
1 3 WAY HOT WATER COIL DETAIL
SCALE: N.T.S.



2 CLEVIS HANGER PIPING SUPPORT DETAIL
SCALE: N.T.S.



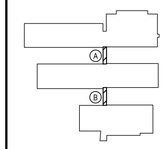
7 PIPING WALL/FLOOR PENETRATION
SCALE: N.T.S.



3 HVAC DUCT BONDING DETAIL
NTS

REV.	DATE	ITEM

NOTICE
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KEY PLAN
NOT TO SCALE

PROJECT
MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE
MECHANICAL
MECHANICAL SCHEDULES AND DETAILS

DRAWING BY: U.F.
CHECK BY: U.F.

NOTICE
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BBS
ARCHITECTS
LANDSCAPE ARCHITECTS
ENGINEERS
244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T: 631.475.0349
F: 631.475.0361
100 GREAT OAKS BLVD.
SUITE 115, ALBANY
NEW YORK 12203
T: 518.621.7650
F: 518.621.7655
www.BBSARCHITECTURE.com

SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	MECHANICAL SCHEDULES & DETAILS
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

M6.01

GENERAL NOTES

1. ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE AND OF ALL AUTHORITIES HAVING JURISDICTION. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING RELATED FEES.
2. PROVIDE ALL REQUIRED OFFSETS, FITTINGS, VALVES, TRAPS, DRAINS ETC. EVEN THOUGH NOT INDICATED DUE TO SMALL SCALE OF DRAWINGS.
3. CHECK DRAWINGS OF OTHER TRADES AND ARRANGE WORK TO AVOID ANY CONFLICTS.
4. RUN PIPING IN WALL CHASE, RECESSES, PIPE SHAFTS AND HUNG CEILING WHERE PROVIDED. COORDINATE LOCATION WITH OTHER TRADES.
5. PROVIDE ACCESSIBLE CONTROL TO VALVES WHERE NOTED OR REQUIRED FOR COMPLETE WORK FOR STEMS, PLUMBING FIXTURES ACCESSIBLE.
6. USE INCREASER FITTINGS FOR CHANGES IN PIPE SIZE. USE NO BUSHINGS EXCEPT WITH SPECIAL PERMISSION BY ENGINEER.
7. PLUMBING CONTRACTOR SHALL FURNISH ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT AND APPLIANCES REQUIRED FOR A COMPLETE PLUMBING AND DRAINAGE INSTALLATION AS SHOWN ON THE DRAWING, INCLUDING BUT NOT LIMITED TO THE FOLLOWING ITEMS:
   - 7.1. INSTALL ALL NEW PIPING CONNECTIONS TO PLUMBING FIXTURES AND FITTINGS ETC.
   - 7.2. PROVIDE AND INSTALL NEW HOT & COLD WATER CONNECTIONS TO ALL NEW PLUMBING FIXTURES AS SHOWN.
   - 7.3. ROUGH-IN AND FINAL CONNECTIONS TO ALL NEW PLUMBING FIXTURES.
   - 7.4. ALL NECESSARY HANGERS AND INCIDENTALS AS REQUIRED TO MAKE EACH SYSTEM COMPLETE.
   - 7.5. CONTRACTOR SHALL PROVIDE AND INSTALL 1" THICK FACED FIBERGLASS PIPE INSULATION ON ALL NEW HOT & COLD WATER PIPING.
   - 7.6. 7.6.PERFORM ALL TEST AND ADJUSTMENT TO ALL SYSTEMS UNDER THIS CONTRACT AND DOCUMENT SAME TO PROVE PROPER OPERATION TO OWNER AND THE ENGINEER.
8. RUN VENT PIPING WITH LONG TURN ELBOWS AT CHANGES IN DIRECTION, GRADE TO DRAIN OUT OF CONDENSATION AND CONNECT AT BASE TO PREVENT ACCUMULATION OF RUST.
9. PROVIDE CLEAN OUTS (FULL SIZE UP TO 4" AND AT LEAST 4"– HALF-SIZE FOR LARGER PIPE) WHERE INDICATED.
10. INTERIOR DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER. UNDERGROUND DOMESTIC WATER PIPING SHALL BE TYPE "K" COPPER FOR UP TO 2" AND DUCTILE IRON OVER 2". WASTE PIPING SHALL BE SERVICE WEIGHT CAST IRON SOIL PIPE, HUB AND SPIGOT UNDERGROUND AND NO-HUB INSIDE BUILDING. VENT PIPING SHALL BE NO HUB CAST IRON.
11. PIPE INSULATION SHALL BE AS FOLLOWS:

FOR PIPING	1-1/2" and BELOW	1-1/2" and ABOVE
HOT & TEMPERED WATER	1-1/2"	2"
COLD WATER	1-1/2"	1-1/2"
ABOVE GRADE STORM DRAIN PIPING AND DRAIN BODIES	----	1-1/2"

12. ALL WORK SHALL BE PROPERLY TESTED AND CLEANED. PROVIDE ONE YEAR WARRANTY FROM DATE OF ENGINEER'S ACCEPTANCE ON ALL PARTS AND LABOR.
13. RUN ALL WATER AND WASTE LINES IN GENERAL LOCATIONS SHOWN BUT CONFORM TO ALL STRUCTURAL AND FINISH CONDITIONS OF BUILDING. COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATIONS.
14. ALL WATER LINES IN EXTERIOR WALL SHOULD BE BETWEEN INSULATION AND INTERIOR OF WALL.
15. ALL CONCRETE FLOOR OR WALL CUTTING AND PATCHING BY PLUMBING CONTRACTOR.
16. WHERE DISSIMILAR METALS ARE CONNECTED, PROVIDE AN APPROVED MAKE OF NON-GALVANIC ISOLATOR, DIELECTRIC UNION OR FLANGES.
17. ALL VERTICAL ENCLOSURES AND CHASES FOR PIPING BY G.C. UNLESS OTHERWISE NOTED.
18. ALL PLUMBING PIPING PENETRATIONS THROUGH FIRE RATED WALL OR FLOOR ASSEMBLIES SHALL BE FIRE-STOPPED WITH "METACAULK 1000" FIRE RESISTANT CAULKING (3.4" DEPTH SIDES OF PENETRATION). SEE SPEC. SECTION 15050A, 2.15 & 3.12.

UTILITY NOTES

1. PIPING LOCATIONS ARE SCHEMATIC AND EACH TRADE SHALL RUN PIPING IN ORDER TO USE THE LEAST AMOUNT OF MATERIAL.
2. PLUMBING CONTRACTOR SHALL PROVIDE VENT PIPING FOR ALL PLUMBING FIXTURES AS PER CODE.
3. PLUMBING NOTE: PIPING SIZES SEE SCHEDULE THIS SHEET.
4. P.C. TO VERIFY SIZE OF SERVICE REQUIRED, SIZE AND EXACT LOCATION OF CONNECTIONS TO EACH PIECE OF FIXTURE AND/OR APPLIANCE.

GENERAL CONSTRUCTION NOTES

1. PLUMBING CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID AND PERFORM ALL INVESTIGATION WORK BEFORE SUBMITTING A BID ON THE PLUMBING WORK
2. CONNECT ALL HOT WATER, COLD WATER, VENT, AND WASTE PIPING AS REQUIRED INCLUDING PIPING, VALVES, TAPS, ESCUTCHEONS, SLEEVES, ACCESS DOORS, CLEANOUTS, PIPE HANGERS, INSULATION, ETC.
3. PROVIDE AND INSTALL PLUMBING FIXTURES INCLUDING ALL CUTTING AND PATCHING AS REQUIRED INCLUDING WASTE, VENT, AND WATER SUPPLY CONNECTIONS AND FITTINGS (ALL TRAPS TO HAVE CLEANOUTS).
4. ALL WORK SHALL BE IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING RELATED FEES.
5. PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO CONSTRUCTION.
6. INTERIOR DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER. UNDERGROUND DOMESTIC WATER PIPING SHALL BE TYPE "K" COPPER FOR UP TO 2" AND DUCTILE IRON OVER 2". WASTE PIPING SHALL BE SERVICE WEIGHT CAST IRON SOIL PIPE, HUB AND SPIGOT UNDERGROUND, AND NO HUB INSIDE BUILDING. STORM DRAIN PIPING SHALL BE NO HUB CAST IRON SOIL PIPE INSIDE BUILDING. VENT PIPING SHALL BE NO HUB CAST IRON.
7. ALL WORK SHALL BE PROPERLY TESTED AND CLEANED. PROVIDE ONE YEAR WARRANTY FROM DATE OF ACCEPTED COMPLETION ON ALL PARTS AND LABOR.
8. ALL EXPOSED METALWORK ON PLUMBING FIXTURES SHALL BE CHROME PLATED.
9. PROVIDE SHUTOFF VALVE ON WATER SUPPLY BRANCH TO EACH INDIVIDUAL FIXTURE IN AN ACCESSIBLE LOCATION.
10. ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
11. WHERE DISSIMILAR METALS ARE CONNECTED, PROVIDE AN APPROVED MAKE OF NON-GALVANIC ISOLATOR, DIELECTRIC UNION OR FLANGES.
12. PROVIDE AND INSTALL BOLT CAPS ON ALL TOILETS.
13. RUN LOCAL HORIZONTAL DRAINAGE PIPING AT A GRADE OF 1/4-INCH PER FOOT WHEREVER POSSIBLE, BUT NO LESS THAN 1/8-INCH PER FOOT; HOUSE DRAINS AT 1/8-INCH PER FOOT UNLESS OTHERWISE NOTED AND OUTSIDE UNDERGROUND DRAINAGE PIPING AS INDICATED OR REQUIRED BY CODE.
14. RUN VENT PIPING WITH LONG TURN ELBOWS AT CHANGES IN DIRECTION, GRADE TO DRAIN OUT CONDENSATION, AND CONNECT AT BASE TO PREVENT ACCUMULATION OF RUST.
15. PROVIDE CLEANOUTS (FULL SIZE UP TO 4-INCHES AND AT LEAST HALF-SIZE FOR LARGER PIPES WITH 4-INCH MINIMUM), WHERE INDICATED, APPROXIMATELY EVERY 50 FEET ON HORIZONTAL DRAINAGE PIPING, AT CHANGES IN DIRECTION, AT BASE OF LEADERS, SOIL, AND WASTE STACKS, AND AS REQUIRED BY CODE.
16. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORE DRILLING THRU WALLS, FLOORS AND CUTTING AND PATCHING AS REQUIRED TO FACILITATE INSTALLATION OF PIPES AND PLUMBING FIXTURES.
17. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NEW VENTS FROM FIXTURES UP TO ROOF AS SHOWN.
18. ALL FLOOR TRAPS SHALL BE INSTALLED WITH PRIMER TAPPING FOR WATER CONNECTION TO TRAP.
19. P.C. SHALL PROVIDE AND INSTALL PIPE INSULATION ON ALL DOMESTIC COLD WATER SUPPLY, HOT WATER SUPPLY, HOT WATER SUPPLY (RE-CIRCULATION LINE) AND ROOF DRAIN PIPING THAT IS EXPOSED ABOVE CEILINGS OR IN CRAWL SPACE AND PIPE CHASES.

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	EXISTING DOMESTIC COLD WATER PIPING
	EXISTING DOMESTIC HOT WATER PIPING
	EXISTING DOMESTIC HOT WATER RETURN PIPING
SW	EXISTING SANITARY WASTE PIPING
	NEW DOMESTIC COLD WATER PIPING
	NEW DOMESTIC HOT WATER PIPING
	NEW DOMESTIC HOT WATER RETURN PIPING
SW	NEW SANITARY WASTE PPIPING
	NEW VENT PIPING
	EXISTING VENT PIPING
CODP	DENOTES NEW CLEAN OUT DECK PLATE
E.CODP	DENOTES EXISTING OUT DECK PLATE
	NEW BALL VALVE IN PIPING
	NEW HAMMER ARRESTOR IN PIPING
	CONNECTION POINT OF NEW WORK TO BE DONE.
— X — X —	DEMOLITION WORK TO BE DONE
W.	SANITARY WASTE PIPING
V.	VENT PIPING
HWS	HOT WATER SUPPLY PIPING
HWR	HOT WATER RE-CIRCULATION PIPING
CWS	COLD WATER SUPPLY PIPING
RECIRC.	RECIRCULATION
CO	DENOTES CLEAN OUT
(E)	DENOTES EXISTING
T	TEMPERED WATER LINE
	NEW CHECK VALVE IN PIPING
	EXISTING CHECK VALVE IN PIPING
	NEW TAMPER-PROOF GAS SHUT OFF VALVE IN PIPING
	NEW ELECTRICAL GAS SOLENOID VALVE IN PIPING
(H)	DENOTES DOMESTIC HOT WATER SUPPLY
(C)	DENOTES DOMESTIC COLD WATER SUPPLY
(R)	DENOTES DOMESTIC HOT WATER RECIRCULATION
(W)	DENOTES SANITARY WASTE LINE
(V)	DENOTES PLUMBING VENT LINE

EXISTING PIPING FIELD VERIFICATION NOTES

PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO INCLUDE IN THEIR PROPOSAL, EXISTING FIELD VERIFICATION OF ALL EXISTING PLUMBING INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:

1. COLD WATER LINES
2. HOT WATER SUPPLY LINES
3. HOT WATER RE-CIRCULATION LINES
4. SANITARY WASTE LINES
5. VENT LINES

UTILITY NOTES

1. PIPING LOCATIONS ARE SCHEMATIC AND EACH TRADE SHALL RUN PIPING IN ORDER TO USE THE LEAST AMOUNT OF MATERIAL.
2. PLUMBING CONTRACTOR SHALL PROVIDE VENT PIPING FOR ALL PLUMBING FIXTURES AS PER CODE.
3. PLUMBING NOTE: PIPING SIZES SEE SCHEDULE THIS SHEET.
4. P.C. TO VERIFY SIZE OF SERVICE REQUIRED, SIZE AND EXACT LOCATION OF CONNECTIONS TO EACH PIECE OF FIXTURE AND/OR APPLIANCE.

CONTRACTOR ABBREVIATIONS

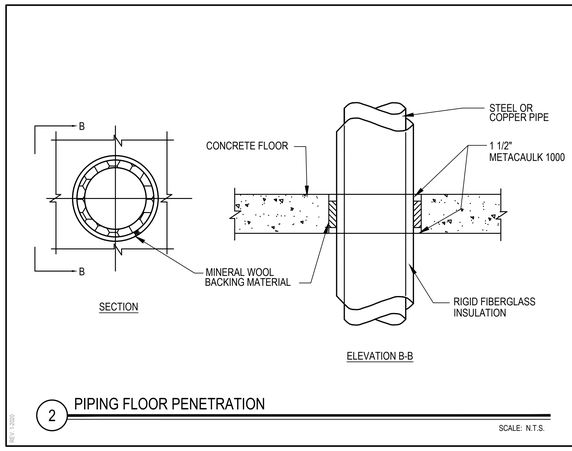
M.C. = MECHANICAL CONTRACTOR

C.C. = CASEWORK CONTRACTOR

G.C. = GENERAL CONTRACTOR/ROOFING CONTRACTOR

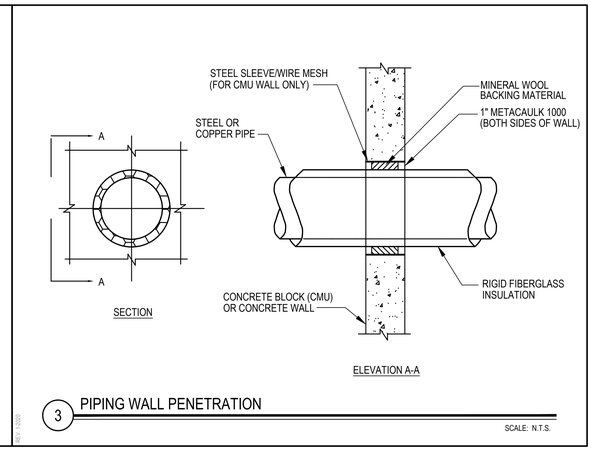
P.C. = PLUMBING CONTRACTOR

E.C. = ELECTRICAL CONTRACTOR



2 PIPING FLOOR PENETRATION

SCALE: N.T.S.



3 PIPING WALL PENETRATION

SCALE: N.T.S.

EPA 67.4 NOTE

1. THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL NEW AND/OR REPLACEMENT PLUMBING FIXTURES. THE RESPECTIVE FIXTURES MUST ADHERE TO THE "LEAD-FREE" DIVISION 22 SPECIFICATIONS OUTLINING THE INSTALLATION MEANS AND METHODS AS WELL AS THE FIXTURE ITSELF BEING "LEAD FREE." THE CONTRACTOR SHALL PROVIDE THE REQUIRED SUBMITTALS FOR ALL FIXTURES AND BUILDING MATERIALS PRIOR TO THE FIXTURE INSTALLATION, AND CONFIRM ON THE JOBSITE THAT THE FIXTURE ADHERES TO "LEAD-FREE" REGULATIONS.
   a. FOLLOWING THE POTABLE FIXTURE INSTALLATION; THE P.C. SHALL REMOVE ALL FILTERS AND STRAINERS AND FLUSH THE FIXTURE OF DEBRIS FROM THE SYSTEM.
2. FOLLOWING THE COMPLETION OF THE P.C. WORK SCOPE, THE OWNER SHALL HAVE THE WATER CONDITIONS TESTED FOR LEAD CONTAMINANTS BY A THIRD-PARTY TESTING FIRM TO REGULATION 67.4 OF THE DEPARTMENT OF HEALTH REGULATIONS AS PART OF SECTION 1417 OF THE FEDERAL SAFE WATER ACT TO DETERMINE THEM AS "LEAD-FREE" COMPLIANT.
3. IF A FIXTURE DOES NOT COMPLY WITH SUB-PART REGULATION 67.4 OF THE DOH SECTION 1417 OF THE FEDERAL SAFE WATER ACT, THE P.C. SHALL PROVIDE A REPLACEMENT FIXTURE AT NO ADDITIONAL COST, TO THEN REPEAT THE INSTALLATION AND TESTING REQUIREMENTS. THE P.C. SHALL ABSORB THE FEE FOR THE FIRST LEAD TESTING PROCEDURE AS WELL AS THE FOLLOWING CONFIRMATION PROCEDURES AT NO ADDITIONAL COST TO THE OWNER.

FIRE STOP NOTES

1. ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR OTHER STRUCTURES SHALL BE FIRE STOPPED BY PLUMBING CONTRACTOR.
2. THE FIRE STOP MATERIALS SHALL BE HILTI TYPE FS-657 FIRE BLOCK, FS-ONE SEALANT, CP-672 JOINT SPRAY, CP-601S ELASTOMERIC SEALANT, 6P-606 FLEXIBLE SEALANT, CP-643 OR CP-642 COLLAR, CP-618 PUTTY STICK, OR FS-635 TROWEL ABLE COMPOUND, AS SUITABLE.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRODUCTS TO BE USED.
4. FIRESTOP MATERIALS OTHER THAN HILTI SHALL INCLUDE FULL TECHNICAL DATA WITH SHOP DRAWINGS TO DEMONSTRATE EQUALITY WITH THE SPECIFIED FIRE STOPS.

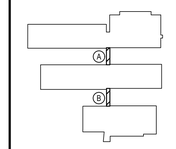
NEW WORK SCOPE NOTES

1. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL NEW FIXTURES AS SHOWN IN PLUMBING FIXTURE SCHEDULE ON PLUMBING PLANS.
2. INSTALL NEW PIPING WITH CONNECTIONS TO EXISTING MAIN PIPING TO EACH NEW FIXTURE.
3. CONNECT VENT PIPING TO EXISTING VENTS.
4. SEE GENERAL NOTES AND PLUMBING SPECIFICATIONS DIVISION 22 FOR MORE DETAIL.
5. DEMOLITION AND RECONSTRUCTION OF PLUMBING WALLS BY GENERAL CONTRACTOR. PLUMBING CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR.
6. ALL REQUIRED FLOOR CHOPPING FOR SLAB ON GRADE OR ABOVE CRAWL TUNNEL SPACES SHALL BE BY PROJECT GENERAL CONTRACTOR. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK WITH GENERAL CONTRACTOR.
7. IN ALL INSTANCES WHERE NEW FIXTURES ARE PROPOSED THE PLUMBING CONTRACTOR SHALL PERFORM ALL DEMOLITION REQUIRED FOR REMOVAL OF EXISTING FIXTURE CARRIERS AND INSTALL NEW FIXTURE CARRIERS. GENERAL CONTRACTOR SHALL THEN BUILD/PATCH MASONRY WALLS AS REQUIRED INCLUDING NEW TILE FINISHES. UPON COMPLETION OF MASONRY/TILE THE PLUMBING CONTRACTOR SHALL INSTALL NEW FIXTURES PER SPECIFICATIONS

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE

PLUMBING
PLUMBING GENERAL NOTES, ABBREVIATIONS, LEGENDS, & DETAILS

DRAWING BY: U.F.

CHECK BY: U.F.

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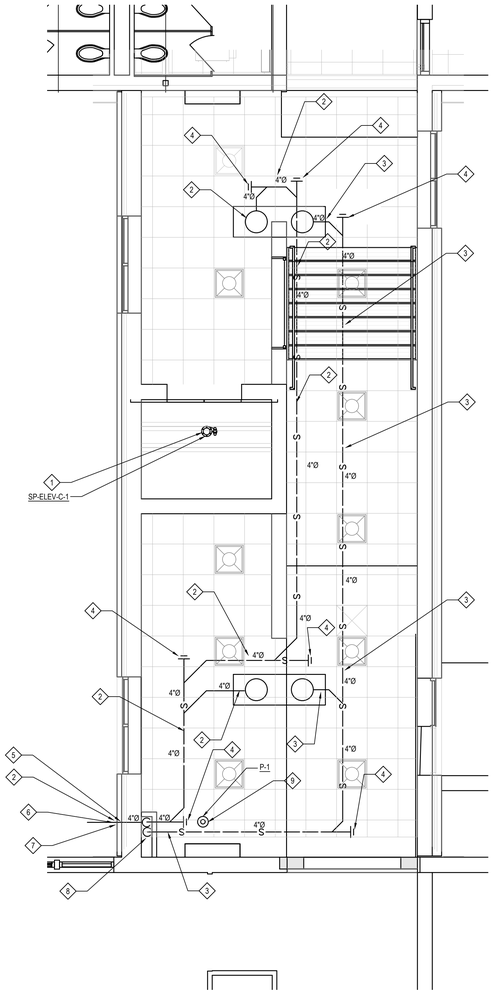
244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

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SUITE 115, ALBANY
NEW YORK 12203
T. 518.621.7650
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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	PLUMBING GENERAL NOTES, ABBREVIATIONS, LEGENDS, & DETAILS
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

P0.01



FIRST FLOOR -MIDDLE SCHOOL- CORRIDOR "B" - ELEVATOR SUMP PUMP & STORM WATER PIPING-NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL SCALE: 1/4" = 1'-0"

FIRST FLOOR - MILLBROOK MIDDLE SCHOOL - CORRIDOR "B" - ELEVATOR SUMP PUMP & STORM WATER PIPING- NEW WORK - PARTIAL PLAN - KEY PLAN NOTES:

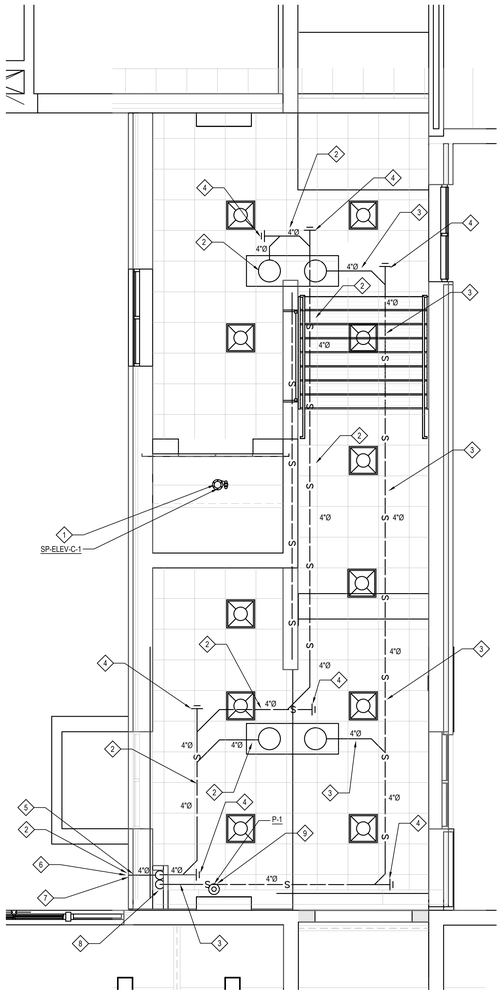
1. PC SHALL FURNISH & INSTALL A ELEVATOR SHAFT SUMP PUMP (SP-ELEV-C-1) IN BASEMENT LEVEL ELEVATOR PIT AS SHOWN. PC SHALL COORDINATE INSTALLATION WORK WITH GC & POWER WITH EC. PC SHALL INSTALL SUCH THAT TOP SIDE OF SUMP PUMP SHALL BE AT THE BASE OF THE ELEVATOR SHAFT. PUMP SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED SUMP PUMP MANUFACTURER'S GUIDELINES.

   NEW PUMP SHALL HAVE ABILITY TO SEPARATE OIL FROM WATER PRIOR TO PUMPING WATER OUT OF ELEVATOR SHAFT. REFER TO P6.01 FOR DETAILED SPECIFICATIONS/CUTSHEETS/SCHEDULES.

   REFER TO P2.02 FOR CONTINUATION ON BASEMENT PIPING TUNNEL PLAN FOR SUMP PUMP DISCHARGE PIPING WORK. SUMP PUMP (SP-ELEV-C-1) & FOR PUMP CONTROL PANEL MOUNTING LOCATION.

   GC TO CONSTRUCT A 24"X24"X24" DEPTH PIT AT THE BASE OF NEW ELEVATOR SHAFT TO HOUSE NEW ELEVATOR SUMP PUMP BODY.
2. PC SHALL FURNISH & INSTALL A NEW 4"Ø ROOF OVERFLOW DRAIN PIPING LINE AS SHOWN FROM OVERFLOW DRAIN. ALL ROOF DRAINS TO BE FURNISHED & INSTALLED BY GC. PC TO COORDINATE WORK WITH GC. PC SHALL PITCH PIPING WITH A ONE-EIGHTH INCH VERTICAL PITCH FOR EVERY ONE LINEAR HORIZONTAL FOOT RUN.
3. PC SHALL FURNISH & INSTALL A NEW 4"Ø ROOF DRAIN PIPING LINE AS SHOWN FROM ROOF DRAIN. ROOF DRAINS TO BE FURNISHED & INSTALLED BY GC. PC TO COORDINATE WORK WITH GC. PC SHALL PITCH PIPING WITH A ONE-EIGHTH INCH VERTICAL PITCH FOR EVERY ONE LINEAR HORIZONTAL FOOT RUN.
4. PC SHALL FURNISH & INSTALL A NEW END CLEAN OUT FOR ROOF DRAIN LINE(S) SHOWN.
5. PC SHALL RUN NEW 4"Ø ROOF OVERFLOW DRAIN PIPING LINE AS SHOWN WITHIN BUMP OUT BY GC. GC TO LET PC RUN RISER DOWN WITHIN BUMPOUT BEFORE GC IS TO SEAL IT. PC TO COORDINATE WORK WITH GC.
6. PC SHALL RUN NEW 4"Ø ROOF OVERFLOW DRAIN PIPING WITHIN BUMPOUT AND DOWN TO FINISHED FLOOR LEVEL/HEIGHT. PC TO HAVE GC CORE DRILL OPENING IN NEW EXTERIOR WALL WITH PC PRESENT. PC TO THEN FURNISH & INSTALL A NEW ZURN MODEL Z-199 SS STAINLESS STEEL ROOF OVERFLOW DOWNSPOUT. GC TO PATCH EXTERIOR WALL AROUND NEW DOWNSPOUT.

   ZURN MODEL Z-199 SS SPECIFICATIONS:
   1. DOWNSPOUT NOZZLE SHALL BE ALL NICKEL BRONZE BODY, THREADED WITH NO HUB INLET AND DECORATIVE FACE OF ALL FLANGE & OUTLET NOZZLE.
   2. REFER TO DRAWINGS FOR PIPING SIZES FOR DOWNSPOUT.
   3. PROVIDE NO-HUB ("NH") CONNECTION TO PIPING.
   4. PROVIDE REMOVABLE STAINLESS STEEL SCREEN "SS").
7. PC SHALL RUN NEW 4"Ø ROOF DRAIN PIPING LINE AS SHOWN WITHIN BUMP OUT BY GC. GC TO LET PC RUN RISER DOWN WITHIN BUMPOUT BEFORE GC IS TO SEAL IT. PC TO COORDINATE WORK WITH GC.
8. PC SHALL RUN NEW 4"Ø ROOF DRAIN PIPING WITHIN BUMPOUT AND DOWN INTO FLOOR SLAB & RUN WITHIN FLOOR SLAB & THEN INTO THE BASEMENT PIPING TUNNEL BELOW CORRIDOR. PC TO LAY NEW LINE WITH PROPER PITCH WITH GC PRESENT & SLEEVE THE PIPING AS PER SPECIFICATIONS & THEN HAVE GC CORE DRILL OPENING IN TUNNEL WALL WITH PC PRESENT. REFER TO DRAWING P2.02 FOR CONTINUATION OF STORM WATER PIPING NEW WORK IN PIPING TUNNEL SPACE.
9. PC SHALL FURNISH & INSTALL A FLOOR DECK PLATE CLEANOUT (P-1) FOR ROOF DRAIN LINE IN FLOOR SLAB SECTION FOR CLEANOUT. THE FLOOR DECK PLATE CLEAN OUT SHALL BE INSTALLED AS SHOWN. REFER TO P2.02 FOR CONTINUATION IN BASEMENT TUNNEL/SLAB LEVEL.



FIRST FLOOR -MIDDLE SCHOOL- CORRIDOR "A" - ELEVATOR SUMP PUMP & STORM WATER PIPING -NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL SCALE: 1/4" = 1'-0"

FIRST FLOOR - MILLBROOK MIDDLE SCHOOL - CORRIDOR "A" - ELEVATOR SUMP PUMP & STORM WATER PIPING- NEW WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. PC SHALL FURNISH & INSTALL A ELEVATOR SHAFT SUMP PUMP (SP-ELEV-C-2) AS SHOWN. PC SHALL COORDINATE INSTALLATION WORK WITH GC & POWER WITH EC. PC SHALL INSTALL SUCH THAT TOP SIDE OF SUMP PUMP SHALL BE AT THE BASE OF THE ELEVATOR SHAFT. PUMP SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED SUMP PUMP MANUFACTURER'S GUIDELINES.

   NEW PUMP SHALL HAVE ABILITY TO SEPARATE OIL FROM WATER PRIOR TO PUMPING WATER OUT OF ELEVATOR SHAFT. REFER TO P6.01 FOR DETAILED SPECIFICATIONS/CUTSHEETS/SCHEDULES.

   REFER TO P2.02 FOR CONTINUATION ON BASEMENT PIPING TUNNEL PLAN FOR SUMP PUMP DISCHARGE PIPING WORK & FOR PUMP CONTROL PANEL MOUNTING LOCATION.

   GC TO CONSTRUCT A 24"X24"X24" DEPTH PIT AT THE BASE OF NEW ELEVATOR SHAFT TO HOUSE NEW ELEVATOR SUMP PUMP BODY.
2. PC SHALL FURNISH & INSTALL A NEW 4"Ø ROOF OVERFLOW DRAIN PIPING LINE AS SHOWN FROM OVERFLOW DRAIN. ALL ROOF DRAINS TO BE FURNISHED & INSTALLED BY GC. PC TO COORDINATE WORK WITH GC. PC SHALL PITCH PIPING WITH A ONE-EIGHTH INCH VERTICAL PITCH FOR EVERY ONE LINEAR HORIZONTAL FOOT RUN.
3. PC SHALL FURNISH & INSTALL A NEW 4"Ø ROOF DRAIN PIPING LINE AS SHOWN FROM ROOF DRAIN. ROOF DRAINS TO BE FURNISHED & INSTALLED BY GC. PC TO COORDINATE WORK WITH GC. PC SHALL PITCH PIPING WITH A ONE-EIGHTH INCH VERTICAL PITCH FOR EVERY ONE LINEAR HORIZONTAL FOOT RUN.
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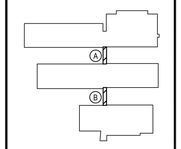
PLUMBING FIXTURE SCHEDULE

LABEL	FIXTURE	SPECIFICATIONS	TRAP	VENT	COLD	HOT	TEMPERED
P-1	FLOOR MOUNTED DECK PLATE CLEANOUT	ZURN ZN1400-BZ1-VP CLEAN-OUT, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, WITH GAS AND WATER TIGHT THREADED ABS TAPERED PLUG, POLISHED NICKEL BRONZE TOP AND VANDAL-PROOF SCREWS. (CLEANOUT SIZE TO MATCH PIPE SIZE)	AS SHOWN ON PLANS FOR WASTE PIPING LINE SIZE	--	--	--	--

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

PROJECT

PLUMBING
FIRST FLOOR ELEVATOR SUMP PUMPS & STORMWATER PIPING NEW WORK

DWG TITLE

DRAWING BY: U.F.
CHECK BY: U.F.

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PATCHOGUE
NEW YORK 11772
T: 631.475.0349
F: 631.475.0361

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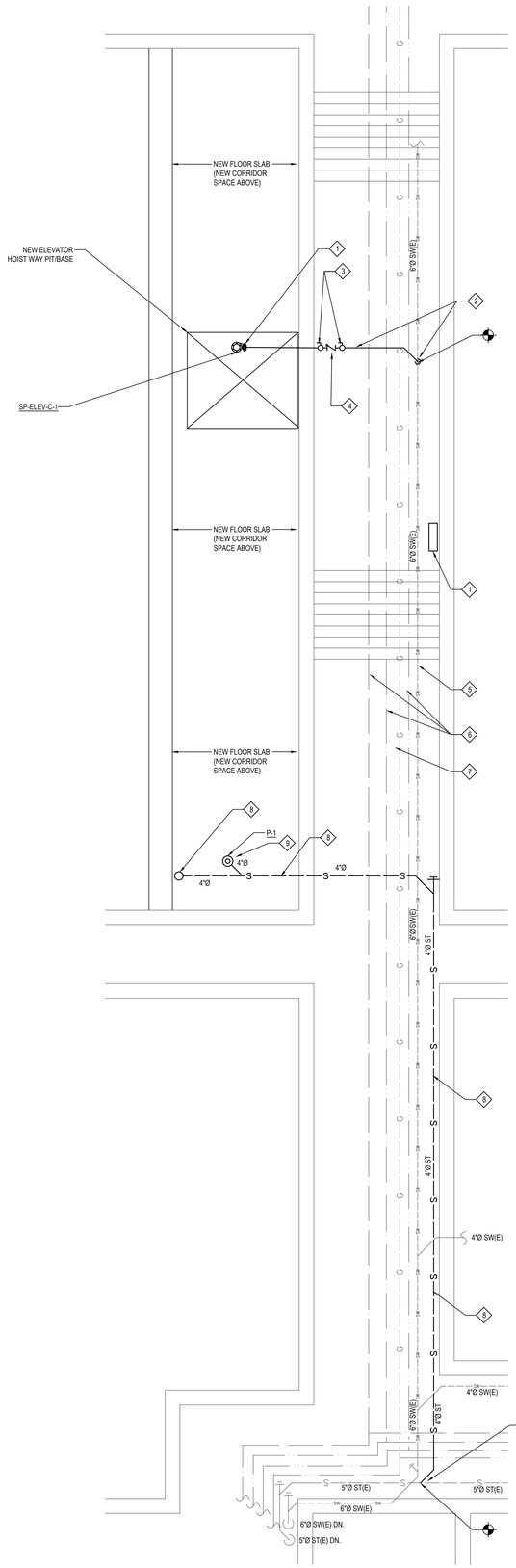
DISTRICT MILLBROOK CENTRAL SCHOOL DISTRICT

PROJECT CAPITAL IMPROVEMENT BOND PHASE - 1A

DWG TITLE 1ST FLR. ELEV. SUMP PUMPS & STORMWATER PIPING NEW WK.

SCALE: AS NOTED
DATE: 1/20/26
BID PICK-UP: 5/18/2026
FILE No: 25-237

P2.01



BASEMENT PIPING TUNNEL - MILLBROOK MIDDLE SCHOOL - CORRIDOR "B" - ELEVATOR SUMP PUMP & STORM WATER PIPING- NEW WORK - NEW WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. PC TO FURNISH & INSTALL NEW ELEVATOR SUMP PUMP (SP-ELEV-C-1) IN SUMP PIT OF ELEVATOR HOIST WAY AS SHOWN. PC TO COORDINATE WORK WITH GC & EC. NEW PUMP SHALL HAVE ABILITY TO SEPARATE OIL FROM WATER & PUMP OUT WATER ONLY. REFER TO PLUMBING SCHEDULES FOR FURTHER INFORMATION ON PUMP.

   PC SHALL FURNISH & INSTALL A NEW CONTROL PANEL FOR NEW ELEVATOR SHAFT SUMP PUMP (SP-ELEV-C-1) SHOWN ON DRAWING P2.01. PC SHALL COORDINATE INSTALLATION WORK WITH GC & POWER WITH EC. PC SHALL INSTALL CONTROL PANEL ON WALL AS SHOWN AND SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED SUMP PUMP MANUFACTURER'S GUIDELINES. CONTROL PANEL SHALL NOT BE INSTALLED MORE THAN FIFTEEN FEET (15'-0") FROM THE LOCATION OF THE INSTALLED SUMP PUMP.

   PC SHALL HAVE BMS CONTRACTOR TIE IN NEW PUMP & CONTROL PANEL ALARMS TO NEW BMS SYSTEM.

   REFER TO P2.01 FOR CONTINUATION ON TO FIRST FLOOR FOR SUMP PUMP LOCATION.

2. PC SHALL RUN NEW 2-1/2"Ø ELEVATOR SUMP PUMP DISCHARGE PIPING LINE AS SHOWN. PC TO HAVE GC CORE DRILL NEW 1-1/2"Ø OPENING WITH PC PRESENT. PC TO RUN NEW 1-1/2"Ø DISCHARGE LINE & RUN TIGHT TO CEILING OF PIPE TUNNEL & GRAVITY PITCH AT 1/8-TH INCH VERTICAL PITCH & CONNECT TO EXISTING 6"Ø WASTE LINE ON TOP-SIDE WITH A Y-CONNECTION FITTING.
3. PC TO INSTALL ISOLATION BALL VALVE AS SHOWN (TYPICAL)
4. PC TO INSTALL SANITARY APPLICATION CHECK VALVE AS SHOWN (TYPICAL)
5. EXISTING 6"Ø SANITARY WASTE PIPING RUNNING IN TUNNEL TO BE USED & SHOWN FOR COORDINATION.
6. EXISTING DOMESTIC HWS, CWS, & HWR LINES RUNNING IN TUNNEL SHOWN FOR COORDINATION PURPOSES.
7. EXISTING PROPANE GAS PIPING LINE RUNNING IN TUNNEL SHOWN FOR COORDINATION PURPOSES.
8. PC TO RUN DOWN NEW 4"Ø STORM WATER DRAIN PIPING FROM FIRST FLOOR SLAB WITHIN A 6"Ø ROUND SLEEVE & INTO PIPING TUNNEL AS SHOWN. PC TO THEN COORDINATE WITH GC & PC TO INSTALL PIPING AT PITCH SPECIFIED ON PLANS & SLEEVE PIPING WITH 6"Ø ROUND SLEEVE. AFTER PC IS FINISHED WITH WORK, GC TO THEN INFILL SLAB.

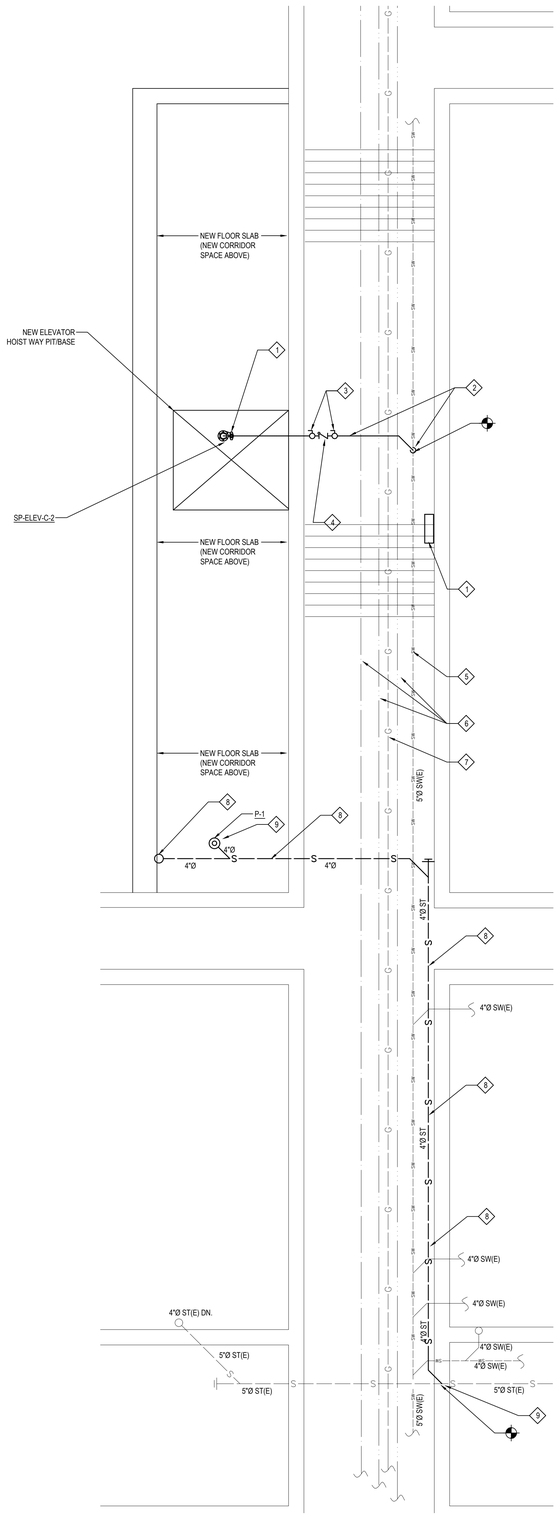
   PC SHALL RUN NEW PIPING AFTER IT ENTERS TUNNEL & GRAVITY PITCH & RUN AT ONE-EIGHTH INCH VERTICAL PITCH FOR EVERY ONE LINEAR FOOT HORIZONTAL RUN AS SHOWN. REFER TO DRAWING P2.01 FOR CONTINUATION ON FIRST FLOOR LEVEL. PC TO COORDINATE NEW PIPING RUN WITH ALL EXISTING PIPING IN TUNNEL SPACE. PC TO COORDINATE WITH GC FOR SLEEVE WORK.
9. PC TO INSTALL A 4"Ø CLEAN OUT LINE AT 45 DEGREE ANGLE AS SHOWN & RUN UP TO FINISHED FLOOR & FURNISH & INSTALL A FLOOR DECK PLATE CLEAN OUT (P-1). REFER TO P2.01 FOR ADDITIONAL INFORMATION & FOR CONTINUATION.
10. PC TO CONNECT NEW 4"Ø STORM WATER DRAIN PIPING ON TOP SIDE OF EXISTING 5"Ø STORM WATER MAIN RUNNING IN TUNNEL AS SHOWN. PIPING SHALL BE SLEEVED AS PER SPECIFICATIONS.

GENERAL NEW WORK NOTES:

1. PC SHALL RUN NEW GRAVITY PITCHED STORM WATER DRAIN PIPING IN BASEMENT SPACE AS TIGHT TO THE CEILING SLAB AS POSSIBLE IN ORDER TO OBTAIN MAXIMUM INVERT ELEVATION TO TIE INTO EXISTING STORM WATER DRAIN LINES.

BASEMENT PIPING TUNNEL -MIDDLE SCHOOL- CORRIDOR "B" - ELEVATOR SUMP PUMP & STORM WATER PIPING-NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL — SCALE: 1/4" = 1'-0"



BASEMENT PIPING TUNNEL - MILLBROOK MIDDLE SCHOOL - CORRIDOR "A" - ELEVATOR SUMP PUMP & STORM WATER PIPING- NEW WORK - PARTIAL PLAN - KEY PLAN NOTES:

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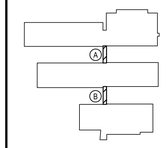
BASEMENT PIPING TUNNEL -MIDDLE SCHOOL- CORRIDOR "A" - ELEVATOR SUMP PUMP & STORM WATER PIPING -NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL — SCALE: 1/4" = 1'-0"

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KEY PLAN

NOT TO SCALE

PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE: PLUMBING
BASEMENT PIPING TUNNEL SUMP PUMP AND STORMWATER PIPING NEW WORK

DRAWING BY: U.F.
CHECK BY: U.F.

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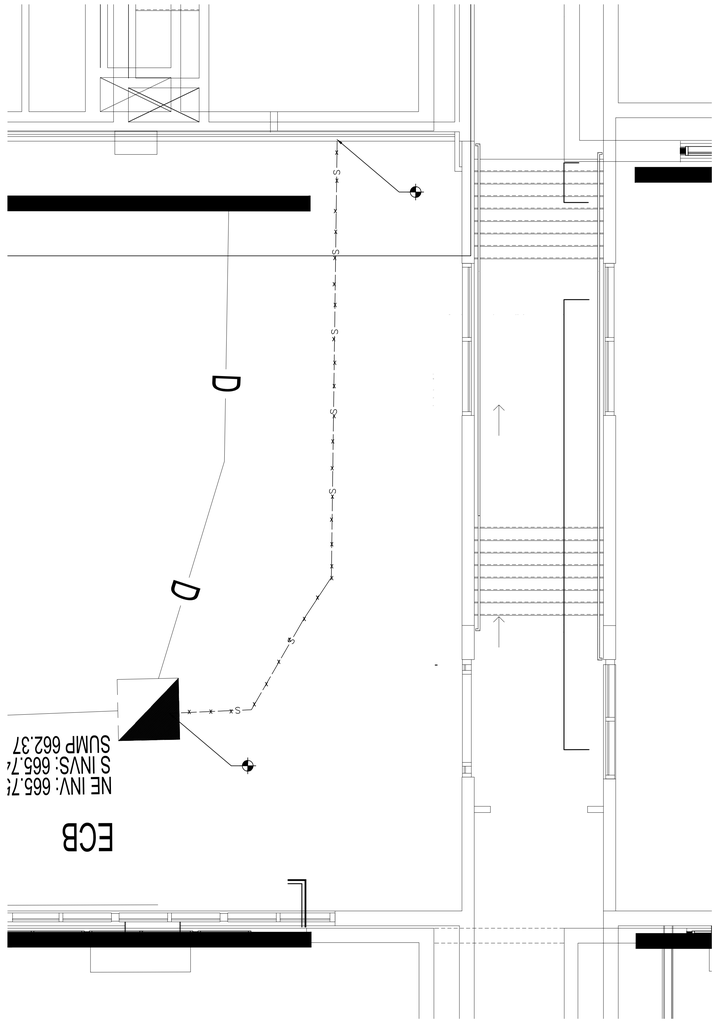
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PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

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SUITE. 115, ALBANY
NEW YORK 12205
T. 518.621.7650
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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	BASEMENT PIPING TUNNEL SUMP PUMP & STORMWATER PIPING NEW WORK
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

P2.02

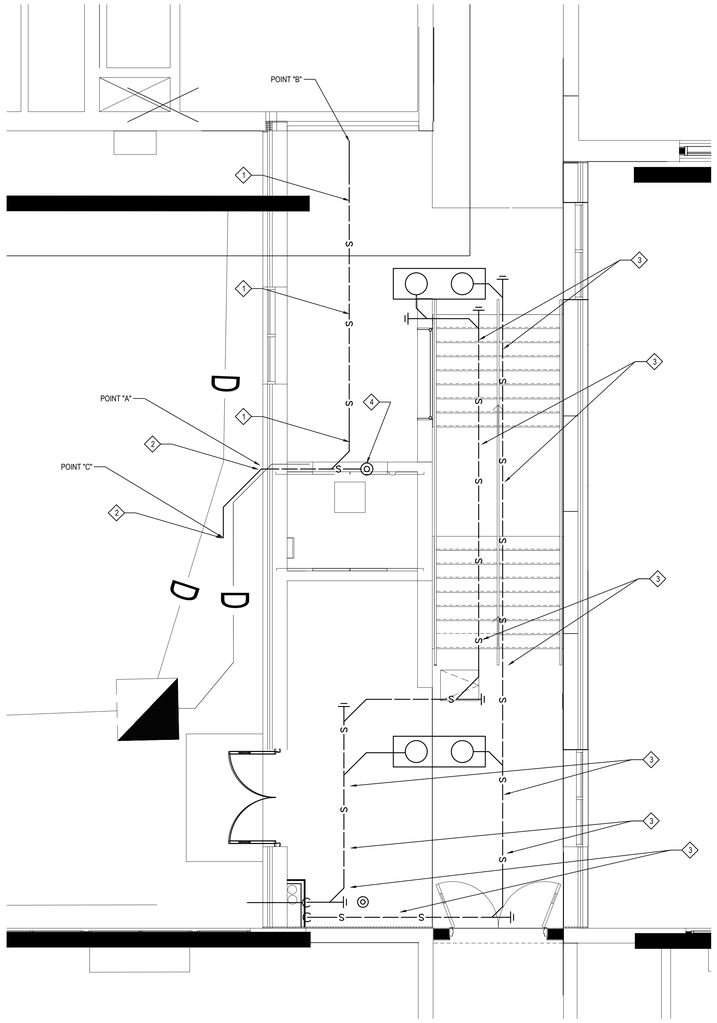


FIRST FLOOR PLAN -MIDDLE SCHOOL- CORRIDOR "A" - STORM WATER PIPING - SITE PLAN - DEMOLITION WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL SCALE: 1/4" = 1'-0"

FIRST FLOOR LEVEL - MILLBROOK MIDDLE SCHOOL - CORRIDOR "A" - STORM WATER PIPING - SITE WORK- DEMOLITION WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. PC TO HIRE CIVIL GENERAL CONTRACTOR SUBCONTRACTOR TO EXCAVATE EXISTING ROOF DRAIN LINE SHOWN. PC TO THEN DEMOLISH & REMOVE EXISTING STORM WATER PIPING SHOWN. PC TO THEN HAVE GC SUBCONTRACTOR BACKFILL. REFER TO CIVIL SITE PLANS FOR INFORMATION ON BACKFILL DETAILS WHICH APPLY TO THIS SCOPE OF WORK. PC SHALL CONFIRM EXACT INVERT ELEVATION TO EXISTING CATCH BASIN & PROVIDE TO ARCHITECT/ENGINEER OF RECORD.



FIRST FLOOR PLAN -MIDDLE SCHOOL- CORRIDOR "A" - STORM WATER PIPING - SITE PLAN - NEW WORK - PARTIAL PLAN

MILLBROOK MIDDLE SCHOOL SCALE: 1/4" = 1'-0"

FIRST FLOOR LEVEL - MILLBROOK MIDDLE SCHOOL - CORRIDOR "A" - STORM WATER PIPING - SITE WORK- NEW WORK - PARTIAL PLAN - KEY PLAN NOTES:

1. PC TO RUN NEW ROOF DRAIN LINE SHOWN & MATCH EXISTING STORM WATER PIPING LINE SIZE. INVERT ELEVATION AT "POINT A" SHOWN ON PLANS IS "655.86 FEET". USING ONE-EIGHTH (1/8" INCH VERTICAL GRAVITY PITCH).

   TOTAL HORIZONTAL DISTANCE OF NEW STORM WATER PIPING IS APPROXIMATELY TWENTY-SIX FEET (26'-0").

   TOTAL VERTICAL DISTANCE FOR NEW PIPING IS (1/8-INCH) X 26'-0" = 3.25 FEET.

   REQUIRED INVERT ELEVATION AT "POINT B" SHOWN ON PLANS SHALL BE 666.08 + 3.25 = 669.33 FEET.

2. PC TO RUN NEW ROOF DRAIN LINE OUT AT POINT "B" AS SHOWN & RUN AS SHOWN OUTSIDE BUILDING EXACTLY 6'-0" TO POINT "C" AS SHOWN. AFTER 6'-0" REFER TO CIVIL SITE PLANS FOR CONTINUATION.

   FOR THE 6'-0" PIPING OUTSIDE BUILDING, PC TO HIRE CIVIL GENERAL CONTRACTOR SUBCONTRACTOR TO EXCAVATE EXISTING ROOF DRAIN LINE SHOWN. PC TO THEN DEMOLISH & REMOVE EXISTING STORM WATER PIPING SHOWN. PC TO THEN HAVE GC SUBCONTRACTOR BACKFILL. REFER TO CIVIL SITE PLANS FOR INFORMATION ON BACKFILL DETAILS WHICH APPLY TO THIS SCOPE OF WORK.

3. REFER TO DRAWING P2.02 FOR DETAILS ON NEW ROOF DRAIN & ROOF OVERFLOW NEW PIPING SCOPE OF WORK & DETAILS.

4. PC SHALL FURNISH & INSTALL A NEW 5"Ø FLOOR DECK PLATE CLEAN OUT FOR NEW STORM WATER LINE RUNNING BELOW SLAB.

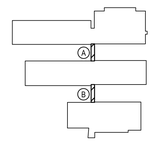
   DECK PLATE CLEANOUT SPECIFICATIONS:

   ZURN ZN1400-BZ1-VP CLEAN-OUT, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, WITH GAS AND WATER TIGHT THREADED ABS TAPERED PLUG, POLISHED NICKEL BRONZE TOP AND VANDAL-PROOF SCREWS. (CLEANOUT SIZE TO MATCH PIPE SIZE)

REV.	DATE	ITEM

NOTICE

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KEY PLAN

NOT TO SCALE

PROJECT
MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE
PLUMBING
STORM WATER PIPING SITE PLAN DEMOLITION AND NEW WORK

DRAWING BY: U.F.
CHECK BY: U.F.

NOTICE

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244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

100 GREAT OAKS BLVD.
SUITE 115, ALBANY
NEW YORK 12205
T. 518.621.7650
F. 518.621.7655

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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	STORM WATER PIPING SITE PLAN DEMO. & NEW WK.
SCALE:	AS NOTED
DATE:	1/20/26
BID PICK-UP:	5/18/2026
FILE No:	25-237

P2.03

ELEVATOR OIL SEPARATING SUMP PUMPS ("SP-ELEV-C-1" & "SP-ELEV-C-2") SCHEDULE (BASIS: ZOELLAR PUMPS)

Trusted. Tested. Tough.®

ZOELLER PUMP COMPANY

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Visit our website:
zoellerpumps.com

SECTION: 2.35.050
FM2809
0124
Supersedes
0718

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

TECHNICAL DATA SHEET

Oil Guard SYSTEM

For Submersible Dewatering Applications

Designed to help protect the environment and equipment from the dispersion of oils and/or hydrocarbons.

SYSTEMS:

- **Operation of the Zoeller® Oil Guard® System has been independently verified by OnSpecX, a division of CSA, when installed in accordance with our instructions.**
- **Choose from four pump models. Includes pump, Oil Smart® switch and alarm (optional control panel)**
- **Controls are ASME A17.1 compliant**

Oil Smart® SWITCH AND ALARM PANEL FEATURES:

- **NEMA 4X alarm panel enclosure**
- **Audible, light alarms and dry contacts**
- **Preset "on" and "off" points differentiate oil and water and alerts maintenance personnel of high water or oil detected conditions**
- **20' (6 m) piggyback electrical supply cord**
- **20 amp internal relay**
- **Alarm test and silence switches**
- **304 stainless steel probes**
- **UL508 approved switch**

QUANTITY = 2

50 GPM
35 FEET OF HEAD



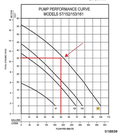
Product may not be exactly as shown.

PUMP FEATURES:

- **Pumps are durable, cast iron construction with powder coated epoxy finish and all stainless steel fittings.**
- **Tested to UL Standard UL778 and Certified to CSA Standard CSA 22.2 No. 108**

TOTAL DYNAMIC HEAD
FLOW PER MINUTE

MODEL	152						161			
Feet	Meters	GAL	LPM	GAL	LPM	Meters	GAL	LPM	GAL	LPM
5	1.5	40	152	70	265	71	291	100	379	
10	3.0	34	129	65	246	73	265	93	352	
15	4.6	19	72	–	–	61	231	85	322	
20	6.1	–	–	–	–	52	197	76	299	
25	7.6	–	–	–	–	45	159	70	265	
30	9.1	–	–	–	–	38	125	62	235	
35	10.7	–	–	–	–	33	93	56	204	
40	12.2	–	–	–	–	27	63	46	174	
50	15.2	–	–	–	–	18	40	35	79	
Shut-off Head		50 ft (15.2 m)		38 ft (11.6 m)			30 ft (9.1 m)		58 ft (17.7 m)	



010939

WARNING These systems are not designed for hazardous environments. Please consult factory for special options and requirements.

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OIL SMART® PUMP SWITCH

Application
The Oil Smart® Switch is factory-calibrated and set up for immediate installation and operation. The dielectric design is extremely sensitive to variations in dielectric constant of air, water, oil and/or hydrocarbons (see Dielectric Data Chart).

Material
- **The Oil Smart® Switch is constructed of high-impact, injection-molded plastic.**
- **Enclosure (Ignition-Proof).**
- **304 stainless steel sensor probes.**

Temperature
- **The Oil Smart® Switch standard temperature operation range is -33°F (-36°C) to 170°F (77°C).**

Operating Pressure
- **The Oil Smart® Switch is designed to operate to 30 psig (2 bar) at 70°F (21°C).**

Standby Current
- **0.004 Amps.**

Signal Output
The Oil Smart® Switch is configured at the Factory.
- **120 VAC - 50/60 Hz (6 Amps).**

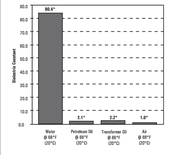
Relay Configuration
- **20 Amp internal relay.**

Approval
- **UL Marine Listed**
- **CE Certified**

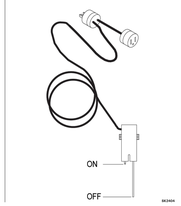
Control Circuit
- **Solid State.**

Power Input
- **120 VAC - 50/60 Hz.**

Dielectric Data Chart



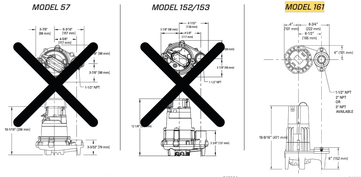
*Note: Estimated values.



SK2404

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MODEL 57 *MODEL 152/153* *MODEL 161*



SK1015 SK2044 SK2044

See FM2778 (model 57), FM2784 (model 152, 153), FM2785 (model 161) for complete pump specifications.

CHOOSE A PREPACKAGED SYSTEM

Part Number	Description	Alarm Panel	Oil Smart® Pump Switch	Nonautomatic Pump	Pump Part Number	Volts	HP	Amps
940-0005	Oil Guard® Pump Switch and Panel	10-1526	10-1526	N57	57-0002	115	3/18	9.7
940-0006	Oil Guard® Pump Switch and Panel	10-1526	10-1526	N152	152-0002	115	4/18	8.5
940-0007	Oil Guard® Pump Switch and Panel	10-1526	10-1526	N153	153-0002	115	1/2	10.5
940-0008	Oil Guard® Pump Switch and Panel	10-1526	10-1526	N161	161-0002	115	1/2	15.0
940-0012	Oil Guard® Pump Switch and Panel	10-1526	10-1526	*N152	*152-0028	115	4/18	8.5
940-0013	Oil Guard® Pump Switch and Panel	10-1526	10-1526	*N153	*153-0027	115	1/2	10.5
940-0014	Oil Guard® Pump Switch and Panel	10-1526	10-1526	*N161	*161-0090	115	1/2	15.0

* 8' (1.8 m) SO jacketed cord for oil resistance.

OR BUILD YOUR OWN SYSTEM

Part Number	Description	Alarm Panel	Oil Smart® Pump Switch	Oil Smart® High Liquid Alarm Switch	Oil Smart® High Liquid Switch
10-1526	Oil Smart® Alarm Panel	‡	▬	‡	▬
10-1528	Oil Smart® Pump Switch	▬	‡	▬	▬
[illegible]	[illegible]				
[illegible]	[illegible]				
[illegible]	[illegible]				
[illegible]	[illegible]				

‡ INCLUDED + VARIABLE LEVEL FLOAT SWITCH

⚠ CAUTION
All installation of controls, protection devices and wiring should be done by qualified, licensed electricians. All electrical and safety codes should be observed, including those of the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

SIMPLEX PANEL:
- 115V, single phase
- NEMA 4X water
- 30 amp motor c
- Pump HOA switch
- Top-mounted alarm light
- 81 - 84 decibel rated alarm
- Horn silence and alarm
- Alarm automatic
- Dry auxiliary
- Separate
- Circuit br
- Pump "

Model 10-2149

DUPLEX ALTERNATING PANEL:
- 115V, single
- NEMA 4X water
- 30 amp motor
- (2) 20 amp motor
- Pump HOA switches
- Top-mounted red alarm light
- 81 - 84 decibel rated
- Horn silence and
- Alarm automatic
- Dry auxiliary
- Separate
- Pump "

Model 10-2150

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Oil GUARD® PUMP SYSTEM

Single Phase Pumps
General

1. **Pump motor shall be hermetically sealed, submersible-type operating in a high-quality dielectric oil for cooling the windings and for lubrication of the motor bearings and ceramic-carbon shaft seal. Single phase motor shall have internal automatic resetting, thermal overload protection. Construction shall be of cast iron with 100% baked-on, powder coated epoxy finish for corrosion-resistance and longer casting durability. All fasteners and external metal parts shall be of stainless steel. Impeller shall be of vortex non-clog design. Check applicable series.**

~~[illegible]~~

~~[illegible]~~

X 161 (0.5 HP) series pump shall have a 3450 RPM motor. Motor housing, switch case and pump housing shall be cast iron. The impeller shall be bronze.

2. **The Oil Smart® Pump Switch is an industrial grade switch with internal 20 amp relay and 304 stainless steel probes used to control water pumps in elevator, utility, marine and industrial sump applications. Installation will prevent oil and or hydrocarbons from being inadvertently pumped into the environment.**
Options:
X 20' (6 m) cord with piggyback plug.

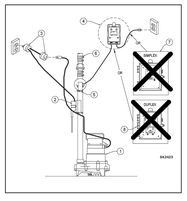
3. **115 Volt Piggyback Power Plug**

4. **Oil Smart® Alarm will alert residents or maintenance personnel of liquid level problems. High Oil and High Water Level Lights and standard Remote Dry Contacts (SCADA Monitoring System).**

X Alarm System with High Liquid Audible Alarm (71db @ 2' (0.6 m)), Red Beacon, Oil Present - Yellow Light and Water Present - White Light. Built with Oil Smart® technology.

5. **Liquid Smart Sensor™ incorporates both an electro-optic and Oil Smart® Sensor all in one encapsulated unit. Differentiates and indicates the presence of oil and or water under high water condition.**

6. **Check Valve Recommended (purchased separately).**



7. **Optional Oil Smart® Simplex Control Panel - Built with Oil Smart® Switch. Will control pump and alert residents or maintenance personnel of liquid level problems. High Oil and High Water Lights and standard Remote Dry Contacts (SCADA Monitoring System).**
Simplex Panel 10-2149.

8. **Optional Oil Smart® Duplex Control Panel - Built with Oil Smart® Switch. Will control control pumps and alert residents or maintenance personnel of liquid level problems. High Oil and High Water Lights and standard Remote Dry Contacts (SCADA Monitoring System).**
Duplex Panel 10-2150.

Notes: **20 Amp Relay is inside pump switch.**
For float tree installation see FM2364.

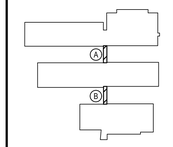
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SCHEDULE NOTES:
1. PROVIDE ALL ITEMS HIGHLIGHTED AS SHOWN.
2. TOTAL QUANTITY IS TWO (2) PUMPS.
3. PROVIDE FACTORY-AUTHORIZED START-UP, COMMISSIONING, & TRAINING OR NEW EQUIPMENT TO OWNER'S DESIGNATED PERSONNEL.
4. CONTROL PANEL TO BE MOUNTED NO MORE THAN FIFTEEN FEET (15'-0") FROM THE LOCATION OF THE SUMP PUMP PER MANUFACTURER.

REV.	DATE	ITEM

NOTICE

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KEY PLAN

NOT TO SCALE

PROJECT
MILLBROOK CENTRAL SCHOOL DISTRICT
CAPITAL IMPROVEMENTS - BOND PHASE - 1A
MILLBROOK MIDDLE SCHOOL
MILLBROOK / DUTCHESS COUNTY

DWG TITLE
PLUMBING
PLUMBING SCHEDULES

DRAWING BY: U.F.
CHECK BY: U.F.

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244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361

100 GREAT OAKS BLVD
SUITE 115, ALBANY
NEW YORK 12203
T. 518.621.7650
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SED No. 13-22-01-04-0-008-016

DISTRICT: MILLBROOK CENTRAL SCHOOL DISTRICT

PROJECT: CAPITAL IMPROVEMENT BOND PHASE - 1A

DWG TITLE: PLUMBING SCHEDULES

SCALE: AS NOTED
DATE: 1/20/26
BID PICK-UP: 5/18/2026
FILE No: 25-237

P6.01

ELECTRICAL CONSTRUCTION NOTES (NOT ALL APPLY):

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEC, APPLICABLE LOCAL CODES, STATE CODES, SCHOOL WORKING RULES AND SCHEDULE DIRECTIVES, AND THE ENGINEER'S SPECIFICATIONS.
2. THE VOLTAGE CHARACTERISTIC OF EXISTING BUILDING IS 208Y/120V, 3-PASE, 4-WIRE. THE VOLTAGE CHARACTERISTIC OF THE PROPOSED ADDITION SHALL BE 480/277V, 3-PHASE 4-WIRE WITH 208/120V DERIVED FROM STEP DOWN TRANSFORMERS. . ALL EQUIPMENT SHALL BE COMPATIBLE WITH THESE CHARACTERISTICS.
3. THE DRAWINGS SHOW SCHEMATICALLY, THE APPROXIMATE LOCATION OF ALL EQUIPMENT, CONDUITS, DEVICES, ETC. THE EXACT LOCATION OF WHICH SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/OWNER WHO RESERVES THE RIGHT TO MAKE PRIOR TO INSTALLATION, ANY REASONABLE CHANGES IN LOCATION INDICATED WITHOUT EXTRA COST TO THE OWNER. CONTRACTOR SHALL VERIFY ALL INDICATED OR APPROXIMATED DIMENSIONS DRAWN OR DENOTED.
4. DIVISION 16 CONTRACTOR SHALL EXAMINE THE SITE TO VERIFY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING HIS BID. ANY DISCREPANCY BETWEEN DRAWINGS/SPECIFICATIONS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO ARCHITECT/ENGINEERS ATTENTION BEFORE BID SUBMITTAL.
5. DIVISION 16 CONTRACTOR SHALL PROVIDE ALL LABOR SERVICE MATERIAL, EQUIPMENT, AND RELATED ITEMS TO COMPLETE THE WORK OF THIS DIVISION, AS REQUIRED BY THE NATIONAL ELECTRIC CODE, AND ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
6. DIVISION 16 CONTRACTOR SHALL PROVIDE ALL ELECTRICAL HARDWARE SHOWN ON THESE DRAWINGS AND RELATED DETAIL MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED.
7. DIVISION 16 CONTRACTOR SHALL PAY ANY FEES APPLICABLE TO ELECTRICAL WORK, SUCH AS, BUT NOT LIMITED TO, THE POWER COMPANY, TELEPHONE COMPANY, CATV, CERTIFIED ELECTRICAL INSPECTORS, ALARM AND FIRE PROTECTION COMPANIES.
8. THE DIVISION 16 CONTRACTOR SHALL REFER TO ALL OTHER DRAWINGS IN BID PACKAGE AND PERFORM THE WORK (INCLUDE IN HIS BID) INDICATED AS ELECTRICAL CONTRACTOR (E.C.) WORK.
9. ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIVES OF THE SCHOOL DISTRICT BUILDINGS AND GROUNDS DEPARTMENT.
10. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL OBTAIN AN INSPECTION CERTIFICATE AND PAY ASSOCIATED FEE. SUBMIT A PHOTOCOPY OF THIS CERTIFICATE TO THE ENGINEER WITH FINAL PAYMENT APPLICATION.
11. DIVISION 16 CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND THEIR INSTALLATION TO BE FREE OF DEFECTS FOR A PERIOD AS DEFINED IN SECTION 1700 OF THE PROJECT MANUAL.
12. A COMPLETE SYSTEM OF WIRING, WITH ALL FEEDERS, MAINS, AND BRANCHES AS SHOWN ON THE DRAWINGS, SHALL BE FURNISHED AND INSTALLED FROM THE MAIN DISTRIBUTION BOARD TO THE PANELS OUTLETS, MOTORS, AND APPURTENANCES.
13. PROVIDE IDENTIFICATION FOR ALL PANEL AND MOTOR FEEDER CABLES IN PULL BOXES AND AT TERMINATIONS. ANY CONDUCTOR VOLTAGES HIGHER THAN 240 VOLTS SHALL BE MARKED ON DEVICES AND JUNCTION BOXES.
14. FURNISH AND INSTALL ALL WIRING OF ANY VOLTAGE OR PURPOSE AS SHOWN ON THE DRAWINGS.
15. ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARING COMMON NEUTRALS AMONG BUNDLED CIRCUITS IS SPECIFICALLY DISALLOWED UNLESS OTHERWISE NOTED.
16. PULL/JUNCTION BOXES SHALL BE PROVIDED WHERE INDICATED OR AS OTHERWISE REQUIRED TO FACILITATE THE PROPER INSTALLATION OF WIRES AND CABLES. CONDUITS MAY BE INCREASED IN SIZE FOR CONSTRUCTION CONVENIENCE.
17. FURNISH AND INSTALL ALL DISCONNECT DEVICES AND SAFETY SWITCHES AS SHOWN ON THE DRAWINGS AND/OR AS REQUIRED TO CONFORM WITH REQUIREMENTS.
18. FURNISH AND INSTALL ALL INDICATED LIGHTING FIXTURES AND MOUNTING HARDWARE AS REQUIRED FOR A COMPLETE INSTALLATION.
19. DIVISION 16 CONTRACTOR SHALL PROVIDE TO SCHOOL 5 PERCENT SPARE LAMPS (MINIMUM QUANTITY 1) OF EACH TYPE SPECIFIED WITH NEW FIXTURES.
20. PROVIDE ALL WIRING, PANEL BOARDS, SWITCHES, FUSES, EQUIPMENT, AND ALL INCIDENTAL MATERIALS REQUIRED TO SUPPLY TEMPORARY AND PERMANENT ELECTRICAL NEEDS FOR THE WORK INVOLVED, ALL IN ACCORDANCE WITH OSHA, LOCAL, STATE AND UNDERWRITERS REQUIREMENTS.
21. ALL WIRING TO BE 1#12+1#12(N)+1#12(G)-3/4"C., OR STEEL JACKETED MC CABLE (WHERE CODE PERMITTED), UNLESS OTHERWISE SPECIFIED ON DRAWINGS. RUN BRANCH CIRCUITS IN DROPPED CEILINGS, VOIDS, & CHASES. CONDUITS MAY BE SURFACE MOUNTED IN MECHANICAL SPACES UNLESS OTHERWISE NOTED. CONDUITS IN PUBLIC AREAS SHALL BE CONCEALED IN HUNG CEILINGS, EMBEDDED IN SLAB OR MASONRY WALLS, EXCEPT WHERE SURFACE MOUNTED RACEWAY IS SPECIFIED. ALUMINUM JACKETED MC CABLE IS NOT ACCEPTABLE.
22. ALL CONNECTIONS AND/OR SPLICES SHALL BE MADE ONLY IN ACCESSIBLE JUNCTION BOXES.
23. ALL COUPLINGS AND CONNECTORS FOR USE WITH EMT SHALL BE COMPRESSION TYPE. SET SCREW TYPE OR INDENT TYPE FITTINGS WILL NOT BE ACCEPTED.
24. ALL CONNECTIONS TO CONDUIT RUN UNDERGROUND SHALL BE MADE WATERTIGHT. ALL METALLIC CONDUIT INSTALLED IN EARTH FILL, AS WELL AS UNDERGROUND, SHALL BE PAINTED WITH (2) COATS OF ASPHALTUM PAINT OR EQUAL.
25. WIRING INSTALLED IN CEILINGS SHALL BE HUNG INDEPENDENT OF CEILING SYSTEM AND SECURELY TIED TO BUILDING STEEL.
26. ALL LOW VOLTAGE (FIRE ALARM, PA INTERCOM, PHONE, DATA, ETC.) WIRING INSTALLED IN OPEN AREAS SHALL BE IN METALLIC RACEWAY IN MECHANICAL AREAS, GYMNASIUMS, ART ROOMS, STOREROOMS, ETC., AND IN SURFACE MOUNTED RACEWAY IN PUBLIC AREAS. LOW VOLTAGE WIRE INSTALLED IN DROPPED CEILINGS SHALL BE BUNDLED TOGETHER AND SUPPORTED BY BUILDING STEEL. LOW VOLTAGE WIRE SHALL NOT BE SUPPORTED WITH BRANCH CIRCUITS OR FEEDER CIRCUITS AND SHALL NOT BE SUPPORTED BY CONDUIT, PIPES, ETC.. LOW VOLTAGE WIRING NOT INSTALLED IN CONDUITS, SHALL BE PLENUM RATED.
27. CONDUITS SHALL BE SECURED IN PLACE AND PROTECTED WHERE NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION.
28. FURNISH AND INSTALL ALL HARDWARE TO PROPERLY SUPPORT ALL CONDUITS NOT INSTALLED IN CONCRETE SLABS OR UNDERGROUND.
29. ALL CONDUITS OR MC CABLE SHALL BE EQUIPPED WITH AN INSULATING/CHAFE GUARD GROMMET AT WIRE EXIT/ENTRANCE. MC CABLE SHALL USE MC STYLE BUSHINGS. BX OR OTHER BUSHINGS ARE SPECIFICALLY DISALLOWED.
30. WHERE AN EXISTING CONDUIT OR CABLE IS REQUIRED TO BE REMOVED BUT SERVES AND EXISTING PIECE OF EQUIPMENT WHICH IS TO REMAIN OPERABLE, THE DIVISION 16 CONTRACTOR SHALL REROUTE SAID CONDUIT OR CABLE OR PROVIDE A NEW SOURCE OF POWER (APPROVED BY ENGINEERING) TO THIS EQUIPMENT AS A PART OF THIS CONTRACT.
31. ALL PANELS, SWITCHES, DISCONNECT STARTERS, OR OTHER ELECTRIC SYSTEM CONTROLS SHALL BE STENCILED WITH THEIR APPROPRIATE DESIGNATION/FUNCTION. ALL CIRCUIT BREAKERS SHALL BE IDENTIFIED BY A PANEL SCHEDULE OR STENCIL ADJACENT TO THE CIRCUIT BREAKER.
32. ALL CIRCUIT BREAKERS POSITIONS IN ALL PANELS ARE SHOWN FOR ESTIMATE PURPOSES ONLY. EC IS RESPONSIBLE FOR LOAD BALANCING.
33. ALL DEVICES SHALL BE FASTENED IN PLACE SECURELY. GRID MOUNTING LIGHTING FIXTURES SHALL BE SECURED TO GRID WITH CLIPS LISTED FOR THE PURPOSE OR SUSPENDED FROM STRUCTURE PER NEC.
34. WORK WHICH MUST BE DONE IN OCCUPIED AREAS SHALL BE DONE AT SUCH TIMES AS INDICATED IN THE PHASING OF CONSTRUCTION AND AS APPROVED BY THE SCHOOL.
35. WHERE THE DIVISION 16 CONTRACTOR IS INSTRUCTED TO PROVIDE, INSTALL AND WIRE CIRCUIT BREAKER(S) TO AN EXISTING PANEL AND THAT PANEL DOES NOT HAVE THE ROOM TO INSTALL REQUIRED CIRCUIT BREAKERS, THE DIVISION 16 CONTRACTOR SHALL REMOVE (3) ADJACENT 1P CIRCUIT BREAKERS AND PROVIDE A 3P, 60A BREAKER IN THEIR PLACE FOR SUB FEED TO A SURFACE MOUNTED 100A,3~ 4W,24 POLE SUB PANEL AND ESTABLISH OVERFLOW CIRCUITS IN NEW SUB PANEL, EACH WITH REQUIRED CIRCUIT BREAKERS. PROVIDE (3) 1P, AMPERAGE AS BEFORE CIRCUIT BREAKERS FOR DISCONNECTED CIRCUITS IN MAIN PANEL AND RECONNECT THEM IN SUB PANEL. SUB PANEL FEED TO BE 3#6+1#6(N)+1#10(G)-1"C.
36. SELECTED RECEPTACLES AS SHOWN ON DRAWINGS MAY BE GFI PROTECTED BY CONNECTING TO GFCI RECEPTACLE FIRST IN CIRCUIT. ALL RECEPTACLES THAT ARE PROTECTED FROM AN UPSTREAM GFCI UNIT SHALL BE VISABLY LABELED AS SUCH. GFCI RECEPTACLE SHALL BE SPEC GRADE AND RATED 20A. WITH OPERATING NOTIFICATION INDICATING LIGHT.
37. ALL DEVICES ADDRESSED BY ADA REGULATIONS SHALL BE INSTALLED AT ADA COMPLIANT HEIGHT AND LOCATIONS.
38. ALL NEW LIGHTING OR EXISTING LIGHTING HAVING SWITCHING REARRANGEMENT SHALL BE EQUIPPED WITH CODE COMPLIANT ENERGY CONSERVATION CONTROLS. SUCH CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
39. REMOVAL OF ELECTRICAL ITEMS INCLUDES THEIR DISPOSAL. THE EXCEPTION WILL BE TO TURN OVER TO THE OWNER ITEMS, IF ANY, THEY SPECIFY TO BE RETAINED IN THEIR INVENTORY. PCB OR ASBESTOS BEARING MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH LAWS AND REGULATIONS.
40. EC SHALL PROVIDE & WIRE WEATHERPROOF GFCI RECEPTACLES ON ALL APPLICABLE ROOFTOP UNITS AS PART OF HIS BID. SEE MECHANICAL EQUIPMENT SCHEDULES FOR UNITS WITH SERVICE RECEPTACLES FACTORY INSTALLED.
41. UNLESS OTHERWISE NOTED, STARTERS AND DISCONNECTS FOR MECHANICAL EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR.. COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL POWERED MECHANICAL EQUIPMENT. THE DIVISION 16 CONTRACTOR IS RESPONSIBLE TO INSTALL ALL MOTOR STARTERS AND ASSOCIATED POWER WIRING FROM SOURCE TO UNIT VIA STARTERS AND DISCONNECTS. THE LOCATIONS OF MOTOR STARTERS SHALL BE DETERMINED BY THE MECHANICAL CONTRACTOR IN THE FIELD AND SUBMITTED TO THE ENGINEER FOR APPROVAL UNLESS IT IS SPECIFIED ON THE DRAWINGS. THE DIVISION 16 CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS, EQUIPMENT SCHEDULES & NOTES AND INCLUDE IN HIS BID PRICE ALL ELECTRICAL WORK ASSOCIATED WITH THEIR INSTALLATION, AND THE REMOVAL OF ANY STARTERS/DISCONNECTS NO LONGER REQUIRED.
42. DUCT SMOKE DETECTORS SHALL BE FURNISHED BY THE DIVISION 16 CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.

NOTE:

1. THERE IS ADDITIONAL ELECTRICAL WORK INDICATED ON THE DRAWINGS OF OTHER TRADES. EC MUST REVIEW ALL DRAWINGS TO FULLY ASCERTAIN FULL SCOPE OF WORK.

FIRE STOP NOTES:

1. ALL CONDUIT AND CABLE PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR OTHER STRUCTURES SHALL BE FIRE STOPPED.
2. THE FIRE STOP MATERIALS SHALL BE HILTI TYPE FS-657 FIRE BLOCK, FS-ONE SEALANT, CP-672 JOINT SPRAY, CP-601S ELASTOMERIC SEALANT, 6P-606 FLEXIBLE SEALANT, CP-643 OR CP-642 COLLAR, CP-618 PUTTY STICK, OR FS-635 TROWEL ABLE COMPOUND, AS SUITABLE.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRODUCTS SPECIFIED OR EQUAL
4. FIRE STOP MATERIALS OTHER THAN HILTI SHALL INCLUDE FULL TECHNICAL DATA WITH SHOP DRAWINGS TO DEMONSTRATE EQUALITY WITH THE SPECIFIED FIRE STOPS AND STATEMENT FROM MANUFACTURER THAT THEY MEET OR EXCEED THE PRODUCTS SPECIFIED HERE.
5. ALL SYSTEMS SHALL HAVE THEIR OWN SLEEVE THROUGH FIRE RATED WALLS. IE FIRE ALARM, PUBLIC ADDRESS, TELEPHONE, DATA, POWER AND LIGHTING.

EXISTING SYSTEM MODIFICATIONS - PRE-TESTS:

1. PRIOR TO PERFORMING ANY WORK, THE EC SHALL PERFORM COMPLETE SYSTEM WALK-THRU TESTS, IN THE PRESENCE OF OWNER'S REPRESENTATIVE, OF THE FIRE ALARM, PUBLIC ADDRESS, CCTV & LIGHTING SYSTEMS (INCLUDING CONTROLS), FOR THE PURPOSE OF ESTABLISHING THE EXISTING BASELINE CONDITIONS OF EACH SYSTEM. EXCEPTIONS INCLUDE PORTIONS THEREOF TO BE DEMOLISHED AND OTHERWISE NOT RE-USED.
2. EC SHALL PROVIDE A WRITTEN REPORT OF FINDINGS, INCLUDING ALL FOUND DEFICIENCIES AND PROVIDE COPIES TO OWNER & CONSTRUCTION MANAGER & ARCHITECT.
3. FAILURE TO PERFORM THE ABOVE MAY RESULT IN EC PROVIDING REPAIRS AT EC'S COST.
4. IF OWNER OPTS FOR EC TO CORRECT ANY OR ALL AFOREMENTIONED FOUND DEFICIENCIES, DIRECTION SHALL BE PROVIDED IN WRITING, AND WILL BE HANDLED ON AN ADDITIONAL CONTRACT COST BASIS.
5. ANY DEFICIENCIES FOUND AFTERWARDS SHALL BE ASSUMED TO BE CONTRACTOR CAUSED AND SHALL BE CORRECTED AT NO ADDITIONAL COST TO OWNER.

ADDITIONAL E.C. SCOPE

1. REFER TO ALL TRADE DRAWINGS FOR THIS JOB. E.C. SHALL BE RESPONSIBLE FOR ALL WORK DECLARED ON OTHER TRADE DRAWINGS.
2. SPECIFICALLY REFER TO DRAWINGS A1.01 & A2.01 KEYED NOTES AND VISIT SITE PRIOR TO BID TO VERIFY EX CONDITIONS AT WINDOW REPLACEMENTS.

DEMOLITION NOTES (NOT ALL APPLY):

1. THE ITEMS SPECIFICALLY SHOWN ON DEMOLITION DRAWINGS ARE TO BE ADDRESSED BY THE ELECTRICAL CONTRACTOR. THE ITEMS ARE TO BE TREATED AS NOTED AND RANGE FROM DIRECT REMOVAL AND DISPOSAL, OR REMOVAL, STORAGE, AND REINSTALLATION/RELOCATION, OR TEMPORARY REMOVE/STORAGE, AND REINSTALLATION IN SAME LOCATION.
2. MANY OTHER ELECTRIC ITEMS EXIST THAT ARE NOT SHOWN INCLUDE, BUT ARE NOT LIMITED TO, SWITCHES, RECEPTACLE, FLOOR OUTLETS, LOW VOLTAGE JACKS, LOW VOLTAGE DEVICES AND WIRING, TELEPHONE PUNCH DOWN BLOCKS, AND OUT OF SERVICE ITEMS. ALL SUCH ITEMS SHALL BE PERMANENTLY DE-ENERGIZED, DISCONNECTED, AND OTHERWISE MADE SAFE FOR DEMOLITION BY NON-ELECTRIC DEMOLITION WORKERS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT ALL ELECTRIC DEVICES, OF ANY VOLTAGE OR FUNCTION, THAT ARE TO BE DEMOLISHED ARE SAFE AND ADVISE THE DEMOLITION CONTRACTOR WHEN THIS IS SO.
3. AFTER THE ELECTRICAL CONTRACTOR HAS DISCONNECTED ELECTRIC SUPPLIES TO ITEMS TO BE DEMOLISHED, HE SHALL ADVISE THE GENERAL CONTRACTOR OF ANY ELECTRIC ITEMS TO BE RETAINED FOR FUTURE USE AND THEREFOR NOT TO BE DEMOLISHED. THE GENERAL CONTRACTOR SHALL THEN PERFORM ALL WORK ZONE DEMOLITION. THIS MATTER APPLIES TO ALL ELECTRIC ITEMS, OF ANY VOLTAGE OR PURPOSE.
4. THE SPECIALISPECIFIC ITEMS SHOWN ON THE DRAWING FOR ELECTRICAL CONTRACTOR TO ACT ON WERE FOUND BY SURVEY. NUMEROUS LOCATIONS WERE BLOCKED BY FURNITURE, ETC. AND ADDITIONAL EQUAL TYPE ITEMS MAY BE PRESENT. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR THIS IN HIS BID PRICE AND ATTEND TO THOSE EQUAL OR SIMILAR DEVICES AS MAY BE DISCOVERED.
5. REMOVAL ITEMS THAT ARE LISTED AS TO BE TURNED OVER TO OWNER'S INVENTORY SHALL BE DISCUSSED WITH THE DISTRICT BUILDINGS AND GROUNDS MANAGER. THOSE ITEMS THAT THE OWNER DECLINES SHALL THEN BE DISPOSED OF BY THE CONTRACTOR IN THE MANOR OF OTHER PERMANENT REMOVALS. ANY PCB BEARING FLUORESCENT FIXTURES SHALL BE DISPOSED OF PER REGULATIONS.
6. RETAIN EXISTING RECEPTACLES IN WALLS THAT WILL NOT BE IN CONFLICT WITH NEW CONSTRUCTION. RETAIN LIGHT SWITCH LOCATIONS THAT WILL NOT BE IN CONFLICT WITH NEW CONSTRUCTION. INSTALL BLANKING PLATE COVERS OVER THE UNUSED PORTION OF GANG BOXES HAVING MORE GANG POSITIONS THAN NEEDED FOR NEW SWITCHES.
7. LIGHT FIXTURES ARE TO BE REMOVED AS GENERAL NON ELECTRIC, CONTRACTOR DEMOLITION. DIVISION 16 CONTRACTOR RESPONSIBLE TO SAFE OFF LIGHTIUNG CIRCUITS FOR REMOVAL BY OTHERS. NO SPECIFIC QUANTITIES OR LOCATIONS ARE SHOWN. RETURN WHATEVER QUANTITY, IF ANY, OF THESE TO OWNER'S INVENTORY IF HE SO SPECIFIES OR THEY ARE OTHERWISE TO BE DISPOSED OF. ELECTRICAL CONTRACTOR SHALL EXAMINE FIXTURES FOR PRESENCE OF PCB'S AND SPECIAL DISPOSAL.
8. THE ELECTRICAL CONTRACTOR SHALL COVER ALL BACK BOXES IN THE WALL THAT BECOME EXPOSED DUE TO DEVICE REMOVALS. THIS INSTRUCTION ALSO APPLIES TO EXPOSED ELECTRICAL BACK BOXES AS MAY EXIST AT THE SITE PRIOR TO THIS PROJECT. THE COVER SHALL BE BRUSHED ALUMINUM WITH CHAMFERED EDGES AND COVER THE HOLE COMPLETELY WITH AT LEAST 3/4" EXTRA MARGIN ON ALL SIDES. MOUNT THE COVER WITH SCREWS TO MATCH THE ORIGINAL PATTERN.
9. IT IS EXPECTED THAT STRUCTURAL DEMOLITION BY THE GENERAL CONTRACTOR WILL DISCONNECT ELECTRIC SUPPLIES, OF VARIOUS VOLTAGES AND PURPOSES, TO BE CUT AND RENDER SOME DEVICES TEMPORARILY INACTIVE. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO RECONSTRUCT AND RECONNECT SUCH ELECTRIC SOURCES WHEN THE NEW STRUCTURE IS BUILT. NOTE THAT MOST REINSTALLED ITEMS WILL BE IN DIFFERENT LOCATIONS FROM THE REMOVAL LOCATION. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL REQUIRED CIRCUIT EXTENSIONS OR MODIFICATIONS TO PROVIDE SERVICE TO A REINSTALLED ITEM AS RELOCATED. PROVIDE ALL REQUIRED CIRCUIT EXTENSIONS AS REQUIRED TO RESTORE SERVICE TO DEVICES. NOTE THAT THIS REQUIREMENT ALSO APPLIES TO THE ROOMS AND ELECTRICAL ITEMS WITHIN THAT ARE NOMINALLY NOT IN CONTRACT. SUCH RESTORATION OF SERVICE, IF NEEDED, IS SPECIFICALLY IN THE ELECTRICAL CONTRACTORS CONTRACT.
10. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL ELECTRICAL DEVICES, FROM DAMAGES DURING CONSTRUCTION, WHICH ARE EITHER INDICATED TO REMAIN, AND/OR TO BE REMOVED AND REINSTALLED THROUGHOUT ALL CONSTRUCTION AREAS. DEVICES SHALL INCLUDE BUT WILL NOT BE LIMITED TO: SMOKE DETECTORS, EMERGENCY LIGHTS, EXIT SIGNS, OCCUPANCY SENSORS, SPEAKERS, LIGHT FIXTURES, SWITCHES, RECEPTACLE, ETC. IN THE EVENT OF DAMAGES INCURRED DUE TO CONSTRUCTION ACTIVITIES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY DAMAGED DEVICES AT NO ADDITIONAL COST TO OWNER.
11. ALL SYSTEM ASSOCIATED WITH THE DEVICES SCHEDULED TO BE REMOVED, STORED AND PROTECTED SHALL BE TESTED BY THE MANUFACTURER'S CERTIFIED TESTING VENDOR PRIOR TO ANY DEMOLITION ACTIVITY. ANY DEVICE WHICH FAILS THE TEST SHALL BE REPLACED WITH A FORM, FIT AND FUNCTION COMPONENT PER UNIT PRICES. AND SUCH DEVICES ARE NOT INCLUDED IN THIS RESPONSIBILITY STATEMENT, BUT ALSO SUCH INSTALLATION SHALL BE IN THE ELECTRICAL CONTRACTOR'S BASE BID. THE ELECTRICAL CONTRACTOR SHALL RE-TEST ALL SUCH SYSTEM COMPONENTS BY A MANUFACTURER CERTIFIED TESTING VENDOR OF SUCH SYSTEM OF ALL PREVIOUSLY TESTED SYSTEM COMPONENTS AFTER ALL WORK BY ALL TRADES HAS BEEN COMPLETED, AND ALL SYSTEM COMPONENTS HAVE BEEN INSTALLED. ANY COMPONENT WHICH FAILS SHALL BE REPLACED, AND PROGRAMMED IF NECESSARY BY THE ELECTRICAL CONTRACTOR. ALL SUCH REPLACEMENT AND PROGRAMMING COSTS SHALL BE ELECTRICAL CONTRACTOR'S RESPONSIBILITY. ALL COSTS ASSOCIATED WITH THE TESTING OF AFFECTED SYSTEM SUCH AS BUT NOT LIMITED TO FIRE ALARM, PUBLIC ADDRESS, INTERCOM, TELEPHONE AND SECURITY SYSTEMS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL EQUIPMENT, DEVICES, WIRING AND THEIR ASSOCIATED MATERIAL SPECIFIED TO REMAIN, WHICH IS NOT STORED AND PROTECTED, SHALL BE PROTECTED DURING THE DEMOLITION ACTIVITIES, AND ALL TRADES SHALL BE INFORMED OF SUCH COMPONENTS. ANY OF SUCH COMPONENTS WHICH BECOME DAMAGED DURING DEMOLITION SHALL BE REPLACED FORM, FIT AND FUNCTION BY THE ELECTRICAL CONTRACTOR AT HIS EXPENSE.

ABBREVIATIONS

E, EX	EXISTING
ETR	EXISTING TO REMAIN
PSEGLI	PSE&G LONG ISLAND (UTILITY CO.)
SM, S.M.	SURFACE MOUNTED
U.O.N.	UNLESS OTHERWISE NOTED
EC, E.C.	ELECTRICAL CONTRACTOR
GC, G.C.	GENERAL CONTRACTOR
HWCH	HOT WATER CABINET HEATER
MC, M.C.	MECHANICAL CONTRACTOR
PC, P.C.	PLUMBING CONTRACTOR
TYP.	TYPICAL
REQ'D	REQUIRED
O.C.	ON CENTER
CKT	CIRCUIT
AFF	AWAY FROM FLOOR
CB	CIRCUIT BREAKER
REC.	RECEPTACLE
ACT	ABOVE COUNTERTOP

LINE DESIGNATIONS

EXISTING TO REMAIN DEVICES

DEVICES TO BE REMOVED. PULL BACK ALL ASSOCIATED CONDUIT AND WIRING AND REMOVE UNLESS OTHERWISE NOTED ON THE PLANS.

NEW DEVICES

CONDUIT DOWN

CONDUIT UP

EXISTING FIRE ALARM SYSTEM NOTES

1. ELECTRICAL CONTRACTOR SHALL EXTEND THE EXISTING SYSTEM AND PROVIDE FIRE ALARM CONTROL PANEL TO REPLACE EXISTING POTTER PFC-5000 SERIES CONTROL PANEL. NEW PANEL SHALL BE PROVIDED WITH BOTH BELL AND VOICE CAPABILITIES. PROVIDE COVERAGE FOR THE NEW AREAS AND/OR DEVICES AND INTEGRATE THEM INTO THE SYSTEM. PROVIDE NEW UPDATED AND LEGIBLE GRAPHIC MAPS AT EACH LOCATION. THE MAPS SHALL BE PROTECTED FROM DAMAGE: FRAMED AND SHIELDED WITH TRANSPARENT SHATTERPROOF COVERS. ALL NEW DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS AND FULLY INTEGRATED INTO THE SYSTEM. THE CONTRACTOR SHALL PROVIDE THE ITEMS ON THE DRAWING AND ALL RELATED EXPANSION, ADAPTIVE, AND CONNECTING WIRING, REPROGRAMMING AND DEVICES FOR A FULLY FUNCTIONING SYSTEM.
2. PRIOR TO PERFORMING ANY WORK ON THE SYSTEM, THE ELECTRICAL CONTRACTOR SHALL PERFORM A COMPLETE TEST OF THE SYSTEM IN THE PRESENCE THE OWNER'S REPRESENTATIVE TO ASCERTAIN AND NOTE ANY PRE-EXISTING DEFICIENCIES. ANY CORRECTIVE ACTION WILL BE AS DIRECTED BY THE OWNER WILL BE ON CHANGE ORDER BASIS.
3. ALL FIRE ALARM WORK SHALL BE PERFORMED BY MANUFACTURER CERTIFIED TECHNICIANS.
4. ELECTRICAL CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS FOR THIS PROJECT AND PAY RELATED FEES. HE SHALL SUBMIT SHOP DRAWINGS ON ALL HARDWARE. THE SHOP DRAWINGS SHALL CONTAIN A SYSTEM RISER DIAGRAM.
5. ELECTRICAL CONTRACTOR TO PROTECT OR TEMPORARILY DISCONNECT / RECONNECT EXISTING FIRE ALARM DEVICES TO ACCOMMODATE NEW CONSTRUCTION AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR. WHERE PLANS CALL FOR EXISTING DEVICE TO BE RELOCATED, EXTEND WIRING AS REQUIRED.
6. ALL NEW FIRE ALARM DEVICES SHALL BE OF THE SAME MANUFACTURER AND COMPATIBLE WITH THE FIRE ALARM PANEL.
7. PROVIDE ADAPTIVE HARDWARE TO POWER THE BELL STROBES, STROBES AND MAGNETIC DOOR HOLDERS.
8. ALL WORK SHALL BE IN ACCORDANCE WITH SYSTEM MANUFACTURER SPECIFICATIONS, LATEST EDITION OF NEC, NFPA 72, ANY LOCAL, STATE CODES, AND ENGINEERING SPECIFICATIONS.
9. ALL WIRING SHALL BE AS SPECIFIED BY SYSTEM MANUFACTURER AND PLENUM RATED.
10. ELECTRICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EQUIPMENT, SYSTEM MODULES, POWER SUPPLIES ETC. NEEDED TO HAVE A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE NEW REMOTE ANNUNCIATOR PANELS/SYSTEMS AS INDICATED INCLUDING UPDATED GRAPHIC MAPS. UPDATED MAPS SHALL ALSO INDICATE THE LOCATIONS OF ALL AREA OF RESCUE ASSISTANCE (REFUGE) CALL STATIONS. SUBMIT PROPOSED MAPS FOR APPROVAL.
11. THE ELECTRICAL CONTRACTOR SHALL FIELD SELECT THE PROPER OUTPUT SETTINGS OF FIRE ALARM BELLS AND STROBES TO MEET THE MINIMUM CODE PERFORMANCE REQUIREMENTS TO SUIT THE AREAS BEING SERVED.
12. PROVIDE AS-BUILT DRAWINGS AND COPY OF UPDATED SITE SPECIFIC SYSTEM SOFTWARE INCLUDING PASSWORDS TO THE OWNER AT NO ADDITIONAL CHARGE.
13. ALL NEW MAGNETIC DOOR HOLDERS ARE TO BE WIRED AT 24V. WHEN REPLACING AN EXISTING MAGNETIC DOOR HOLDER, THE CONTRACTOR SHALL MATCH EXISTING VOLTAGE.
14. VISIBLE FIRE ALARM NOTIFICATION SYSTEMS THAT CONTAIN TWO OR MORE STROBES IN A ROOM OR SPACE SHALL BE SYNCHRONIZED.
15. CONTRACTOR TO ENSURE ALL POINTS ARE PROPERLY ENROLLED IN THE SYSTEM AND OLD POINTS NOT LONGER IN USE ARE REMOVED. PROVIDE CERTIFICATION AS PART OF CLOSEOUT DOCUMENTS.
16. WHERE NOT EXISTING, PROVIDE SYSTEM RECORD DOCUMENT CABINET ADJACENT TO FACP TO HOUSE SYSTEM RECORD DOCUMENTS AND ELECTRONIC MEDIA AS PER NFPA 72 AND PROJECT SPECIFICATIONS. PROVIDE LOCKING CABINET BY SPACE AGE ELECTRONICS #SU00691 W/ LOCK OR EQUAL.
17. THE ELECTRICAL CONTRACTOR SHALL SUBMIT COMPLETED NFPA 72 "SYSTEM RECORD OF COMPLETION" FORMS PLUS ANY APPLICABLE SUPPLEMENT DOCUMENTS WITH REGARD TO SYSTEM MODIFICATIONS AS PART OF PROJECT CLOSEOUT DOCUMENTS PRIOR TO APPLICATION FOR FINAL PAYMENT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

FIRE ALARM LEGEND (NOT ALL APPLY)

SYMBOL	DEVICE DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
RAP	REMOTE ANNUNCIATOR PANEL OR EQUAL. E.C. TO PROVIDE FRAMED BLDG GRAPHIC MAP WITHIN SIGHT
FSD	FIRE ALARM SHUT DOWN
SE	SMOKE DETECTOR W/ BASE. "E" DESIGNATES ELEVATOR RECALL
C OR W	CARBON MONOXIDE DETECTOR WITH SOUNDER BASE. CONNECT TO ASSOCIATED UNIT WITH SOUNDER BASE FOR SIMULTANEOUS LOCAL ALARM.
	CARBON MONOXIDE SYSTEM AMBER COLOR VISUAL NOTIFICATION DEVICE.
P	MANUAL PULL STATION. PROVIDE WITH NON-ALARMED STI STOPPER II LIFT COVER (OR SIMILAR)
	DUCT TYPE SMOKE DETECTOR W/ HOUSING AND REMOTE LED INDICATOR
	SPEAKER NOTIFICATION DEVICE - WALL MOUNT.
	SPEAKER/STROBE NOTIFICATION DEVICE - WALL MOUNT.
	SPEAKER NOTIFICATION DEVICE - CEILING MOUNT.
	SPEAKER/STROBE NOTIFICATION DEVICE - CEILING MOUNT.
	STROBE NOTIFICATION DEVICE. WALL MOUNTED.
	STROBE NOTIFICATION DEVICE. CEILING MOUNTED.
CO	BELLSTROBE NOTIFICATION

SHEET NOTES

A. REFER TO GENERAL DEMOLITION NOTES ON SHEET E0.01 FOR ADDITIONAL DEMOLITION NOTES.

B. ALL DEVICES SHOWN AS DASHED LINES ARE TO BE DEMOLISHED. REMOVE ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRING BACK TO NEAREST ACTIVE SOURCE.

C. ALL DEVICES SHOWN AS GREY/HALFTONED LINES ARE TO REMAIN UNDISTURBED. COORDINATE ALL DEMOLITION WORK AROUND THESE DEVICES. IF NECESSARY TO REMOVE OR RECIRCUIT DEVICES, TO ALLOW FOR ARCHITECTURAL OR MECHANICAL WORK, DEVICES SHALL BE REINSTALLED AND RECONNECTED.

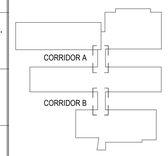
KEY NOTES

ED1	DISCONNECT, REMOVE AND DISPOSE LIGHTING FIXTURES AND ASSOCIATED POWER BRANCH CIRCUIT WITHIN DASHED AREA TO ALLOW FOR ARCHITECTURAL RENOVATION WORK. MAINTAIN ALL ASSOCIATED LIGHTING CONTROLS FOR CONNECTION TO PROPOSED FIXTURES.
ED2	DISCONNECT AND TEMPORARILY REMOVE CEILING DEVICES (WAP, SMOKE DETECTOR, CEILING CAMERA). MAINTAIN ASSOCIATED CABLES AND CONDUIT FOR RECONNECTION AFTER CEILING REPLACEMENT WORK. REFER TO NEW WORK PLAN.
ED3	DE-ENERGIZE AND DISCONNECT EQUIPMENT TO BE REMOVED. REMOVE ASSOCIATED DISCONNECTING MEANS AND PULL BACK ALL ASSOCIATED BRANCH CIRCUIT CONDUIT AND WIRING TO SOURCE PANEL AND REMOVE.
ED4	DISCONNECT AND TEMPORARILY REMOVE DEVICE TO ALLOW FOR RENOVATION WORK. MAINTAIN ASSOCIATED CABLES AND CONDUIT FOR EXTENSION AND RECONNECTION AFTER CEILING REPLACEMENT WORK. REFER TO NEW WORK PLAN.
ED7	DISCONNECT, REMOVE AND MAINTAIN DOOR HOLDERS. PULL BACK ALL ASSOCIATED CABLING AND REMOVE.
ED8	DISCONNECT AND REMOVE EXISTING POTTER PFC-5000 SERIES FIRE ALARM CONTROL PANEL (FACP). MAINTAIN ALL ASSOCIATED WIRING FOR CONNECTION TO PROPOSED FACP.

REV.	DATE	ITEM

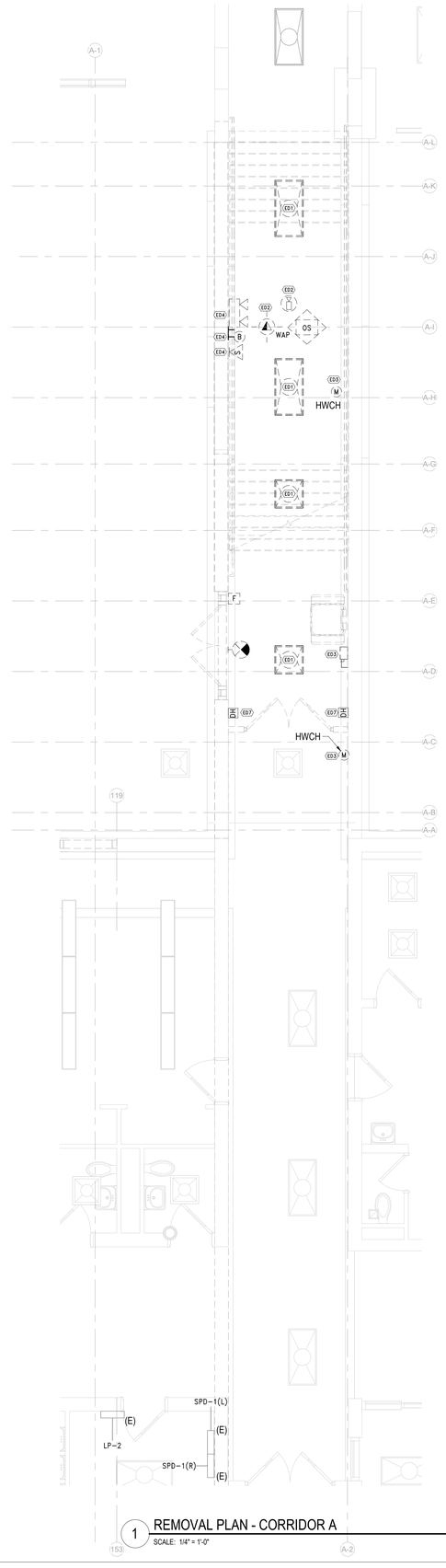
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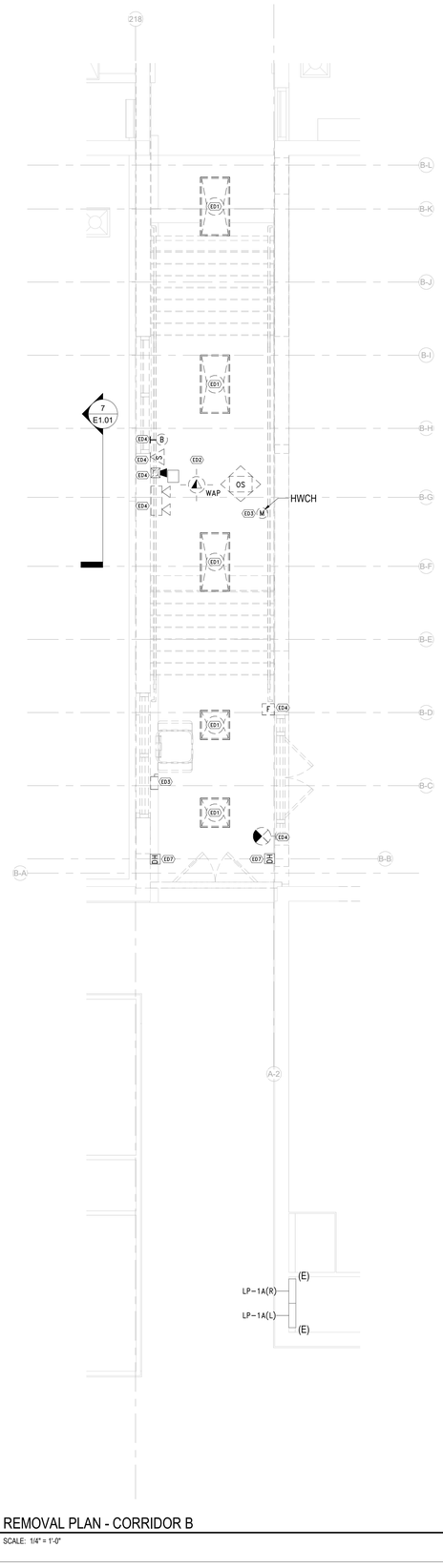
KEY PLAN

NOT TO SCALE



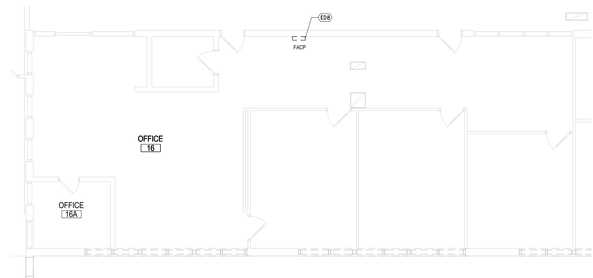
1 REMOVAL PLAN - CORRIDOR A

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



2 REMOVAL PLAN - CORRIDOR B

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



3 DEMO PLANS - FACP

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

MILLBROOK CENTRAL SCHOOL DISTRICT
MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE - 1A
MILLBROOK, NY/ DUCHESS COUNTY

PROJECT

ELECTRICAL DEMOLITION PLANS

DWG TITLE

DRAWING BY: EEA

CHECKED BY: Approver

NOTICE

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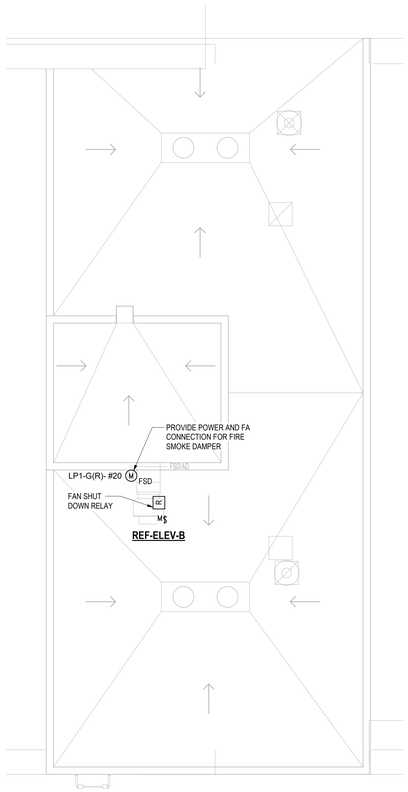
244 EAST MAIN STREET
PATCHOGUE
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T. 631.475.0349
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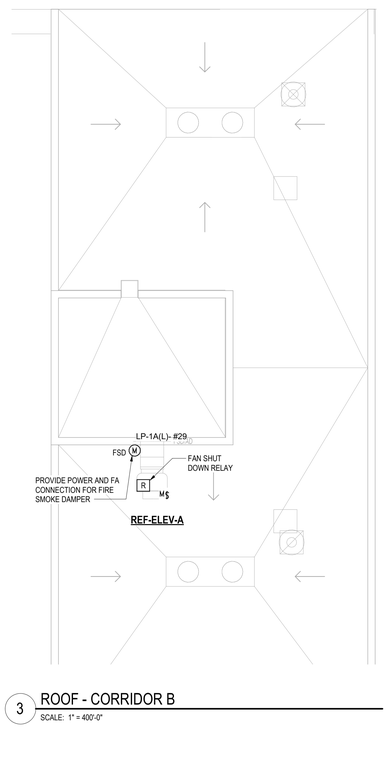
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SED No.	13-22-01-04-0-008-016
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	MILLBROOK MIDDLE SCHOOL CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	ELECTRICAL DEMOLITION PLANS
SCALE:	AS NOTED
DATE:	4/3/26
BID PICK UP:	5/18/2026
FILE No.	25-273

E1.00



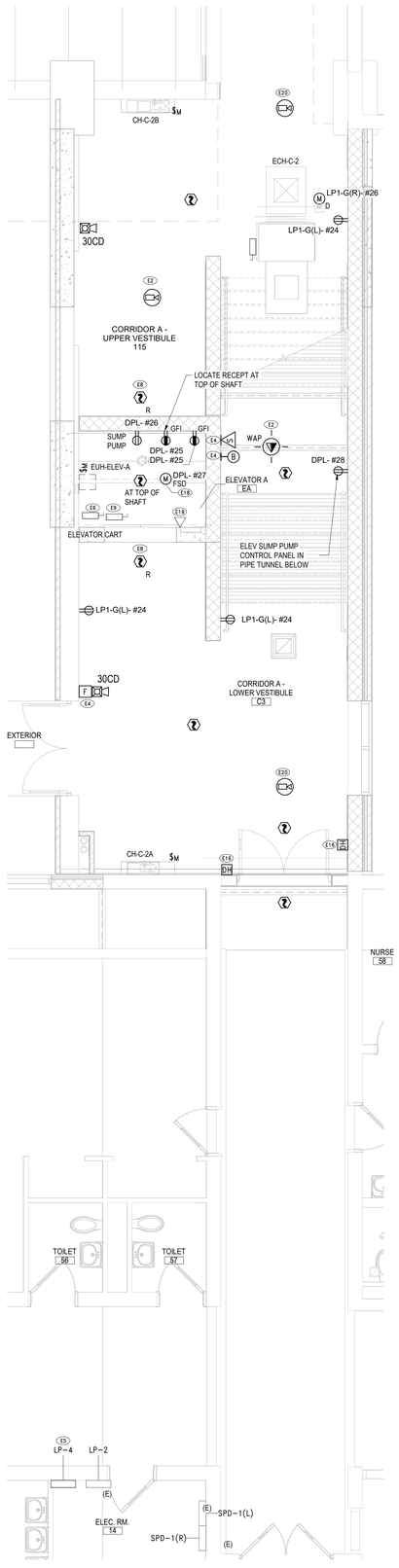
4 ROOF - CORRIDOR A
SCALE: 1" = 400'-0"



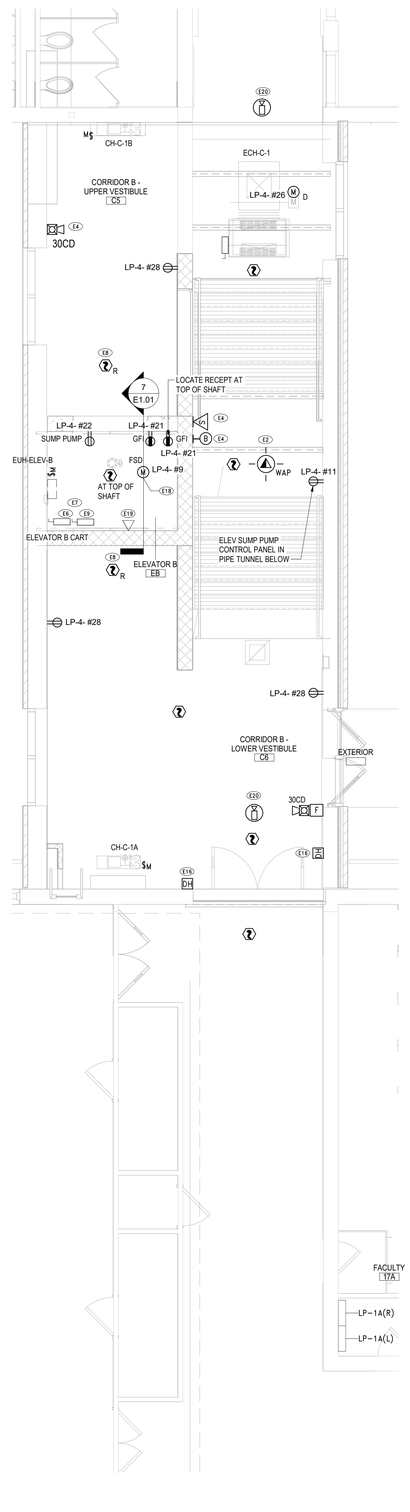
3 ROOF - CORRIDOR B
SCALE: 1" = 400'-0"



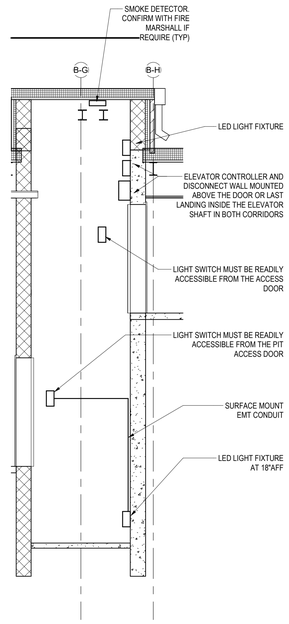
5 A-PROPOSED PLAN - GYM
SCALE: 1/8" = 1'-0"



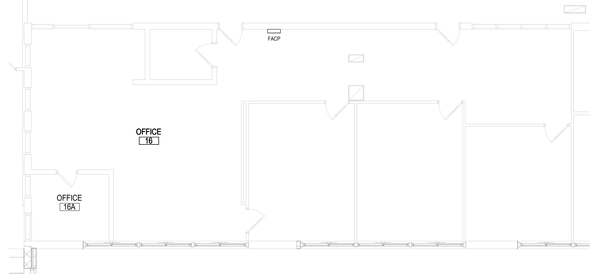
2 PROPOSED PLANS - CORRIDOR A
SCALE: 1/4" = 1'-0"



1 PROPOSED PLANS - CORRIDOR B
SCALE: 1/4" = 1'-0"



7 TYPICAL ELEVATOR EQUIPMENT SECTION
SCALE: 1/4" = 1'-0"



6 PROPOSED PLANS - FACP
SCALE: 1/8" = 1'-0"

SHEET NOTES

A. FIELD COORDINATE ROUTING OF ALL FEEDERS AND BRANCH CIRCUITS.

B. REFER TO ELECTRICAL EQUIPMENT SCHEDULE ON SHEET E6.01 FOR MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS AND CIRCUITING INFORMATION.

C. COORDINATE EXACT MECHANICAL EQUIPMENT LOCATION WITH MECHANICAL PLANS.

KEY NOTES

E2	RE-INSTALL TEMPORARILY REMOVED CEILING DEVICES (OCCUPANCY SENSOR, WAP, CEILING CAMERA) AFTER COMPLETION OF CEILING REPLACEMENT. EXTEND ASSOCIATED POWER AND CONTROL WIRING/CONDUIT AS NECESSARY MATCHING EXISTING SIZE(S) AND TYPE(S).
E4	RE-INSTALL TEMPORARILY REMOVED DEVICES AFTER COMPLETION OF ARCHITECTURAL RENOVATION WORK. EXTEND ASSOCIATED CABLES AND CONDUIT AS NECESSARY MATCHING EXISTING SIZE(S) AND TYPE(S).
E5	PROVIDE PANELBOARD. PANEL SHALL BE POWERED FROM SPARE 200A BREAKER IN PANEL SDP-1 UTILIZING (4)#3/0, #6G. IN 2-1/2"C.
E6	ELEVATOR CONTROL DISCONNECT SHALL BE AN ENCLOSED, EXTERNALLY OPERABLE, MOTOR CIRCUIT SWITCH, LISTED AND LOCKABLE IN THE OPEN POSITION PER NFPA 70. FIELD COORDINATE EXACT DISCONNECT LOCATION WITH GC. REFER TO ELEVATOR CONTROL SWITCH SPEC SECTION 26816.10.
E7	FIELD COORDINATE EXACT LOCATION OF ALL ELEVATOR DISCONNECTS AND RECEPTACLES WITH ELEVATOR VENDOR.
E8	PROVIDE SMOKE DETECTOR FOR ELEVATOR RECALL. DETECTOR SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM AND LOCATED WITHIN 5'-0" OF ELEVATOR DOORS. CONNECT DETECTOR TO EXISTING FACP AND REPROGRAM AS NECESSARY.
E9	PROVIDE EQUIPMENT GROUNDING CONDUCTOR FROM ELEVATOR MAIN DISCONNECTAND CONTROLLER TO THE SOURCE PANEL AND BUILDING GROUND IN ACCORDANCE WITH NFPA 70 ARTICLE 250.
E16	RE-INSTALL PREVIOUSLY REMOVED DOOR HOLDERS.
E18	PROVIDE POWER AND FIRE ALARM CONNECTION TO FIRE/SMOKE DAMPER FOR THE ELEVATOR HOIST WAY EXHAUST FAN. FIRE/SMOKE DAMPER TO BE PROVIDED BY MC. FIELD COORDINATE EXACT LOCATION IN BASEMENT/PIPE TUNNEL BELOW.
E19	PROVIDE TWO (2) CAT6 CABLE CONNECTIONS FOR ELEVATOR TWO-WAY COMMUNICATION SYSTEM. CABLES SHALL BE CONNECTED TO NEAREST IDF PATCH PANEL. FIELD COORDINATE EXACT CAT6 CABLE CONNECTION LOCATION AND IDF PANEL LOCATION.
E20	PROVIDE SECURITY CAMERA AND CAT6 CONNECTION FROM NEAREST IDF PANEL. CAMERA SHALL BE OF SAME MAKE AND MODEL AS EXISTING BUILDING CAMERAS. FIELD COORDINATE WITH SCHOOL DISTRICT'S IT REPRESENTATIVE.

FACP REPLACEMENT NOTES

A. PROVIDE FIRE ALARM CONTROL PANEL (FACP) COMPLETE WITH ALL REQUIRED COMPONENTS, MODULES, POWER SUPPLIES, AND ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM. PANEL SHALL BE REPLACEMENT PANEL FOR POTTER PFC-5000 SERIES PANEL.

B. NEW SYSTEM SHALL BE COMPATIBLE WITH EXISTING DEVICES TO REMAIN, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY COMPATIBILITY WITH MANUFACTURER PRIOR TO INSTALLATION.

C. NEW SYSTEM SHALL BE CAPABLE OF VOICE NOTIFICATION FOR FUTURE NOTIFICATION DEVICES UPGRADE.

D. COORDINATE ALL WORK WITH AUTHORITY HAVING JURISDICTION (AHJ) AND BUILDING OWNER. OBTAIN ALL REQUIRED PERMITS AND APPROVALS BEFORE INSTALLATION.

E. PROVIDE UNINTERRUPTED FIRE PROTECTION DURING REPLACEMENT. COORDINATE TEMPORARY SYSTEM, FIRE WATCH, OR PHASED CHANGEOVER AS REQUIRED.

F. PROVIDE NEW DEDICATED BRANCH CIRCUIT FOR FACP FROM ELECTRICAL PANELBOARD. CIRCUIT SHALL BE LABELED "FIRE ALARM - DO NOT TURN OFF"

G. PROVIDE LOCKABLE BREAKER OR APPROVED MEANS OF SECURING OVERCURRENT DEVICE. CIRCUIT SHALL BE UNSWITCHED AND INDEPENDENT.

H. RECONNECT ALL EXISTING FIELD DEVICES (INITIATING DEVICES, NOTIFICATION APPLIANCES, SUPERVISORY DEVICES) TO NEW PANEL UNLESS OTHERWISE NOTED.

I. PROVIDE ADDRESSABLE MODULES, RELAYS, AND INTERFACES AS REQUIRED FOR FULL SYSTEM FUNCTIONALITY (HVAC SHUTDOWN, ELEVATOR RECALL, DOOR RELEASE, ETC.).

J. PROVIDE REMOTE ANNUNCIATOR WHERE REQUIRED BY CODE OR AS INDICATED ON DRAWINGS.

K. LABEL ALL DEVICES, CIRCUITS, AND EQUIPMENT CLEARLY AND PERMANENTLY. UPDATE ALL ZONE AND ADDRESS DIRECTORIES.

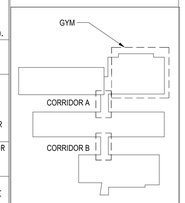
L. CONTRACTOR SHALL PROGRAM SYSTEM IN ACCORDANCE WITH PROJECT REQUIREMENTS AND COORDINATE SEQUENCE OF OPERATIONS WITH OWNER.

M. PERFORM COMPLETE SYSTEM TESTING AND INSPECTION, INCLUDING:
- a. 100% DEVICE TESTING
- b. VERIFICATION OF MONITORING SIGNALS
- c. FUNCTIONAL TESTING OF ALL INTERFACES

REV.	DATE	ITEM

NOTICE

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KEY PLAN
NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE - 1A
MILLBROOK, NY/ DUCHESS COUNTY

PROJECT

PROPOSED ELECTRICAL PLANS

DWG TITLE

DRAWING BY: Designer
CHECKED BY: Approver

NOTICE

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SED No.	13-22-01-04-0-008-017
DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	MILLBROOK MIDDLE SCHOOL CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	PROPOSED ELECTRICAL PLANS
SCALE:	AS NOTED
DATE:	4/3/26
BID PICK UP:	5/18/2026
FILE No.	25-273

E1.01

SHEET NOTES

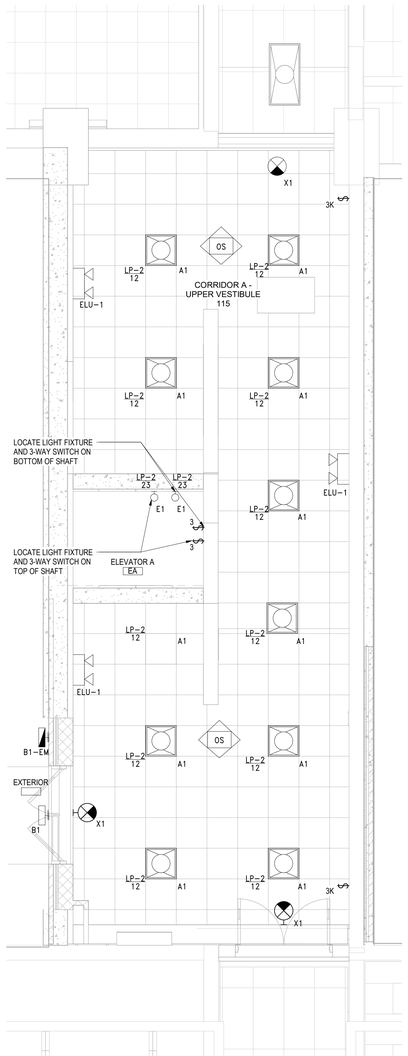
A. FIELD COORDINATE ROUTING OF ALL FEEDERS AND BRANCH CIRCUITS.

B. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROPERLY FIRE-STOPPED.

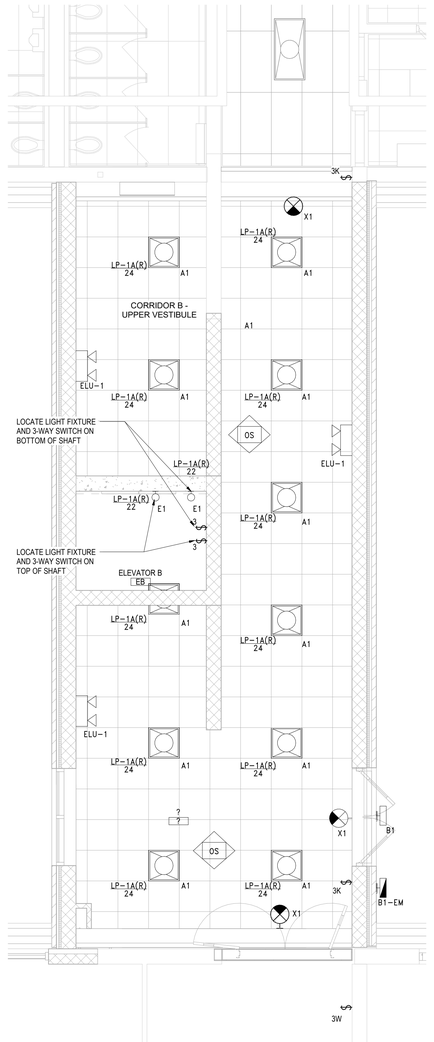
C. ALL EXIT SIGNS AND ELUS SHALL BE CIRCUITED TO LOCAL AREA LIGHTING CIRCUIT AHEAD OF ALL SWITCHING DEVICES. UTILIZE (2)#12, #12G. IN 3/4" CONDUIT.

D. REFER TO LIGHTING FIXTURE SCHEDULE ON E6.01.

KEY NOTES



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

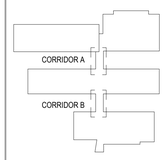


2 FIRST FLOOR B
SCALE: 1/4" = 1'-0"

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

MILLBROOK CENTRAL SCHOOL DISTRICT
MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE - 1A
MILLBROOK, NY/ DUCHESS COUNTY

PROJECT

PROPOSED LIGHTING PLANS

DWG TITLE

DRAWING BY: Designer
CHECKED BY: Approver

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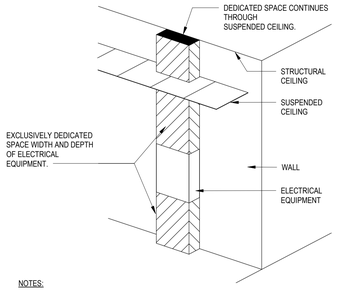
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DISTRICT	MILLBROOK CENTRAL SCHOOL DISTRICT
PROJECT	MILLBROOK MIDDLE SCHOOL CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE	PROPOSED LIGHTING PLANS
SCALE:	AS NOTED
DATE:	4/3/26
BID PICK UP:	5/18/2026
FILE No.	25-273

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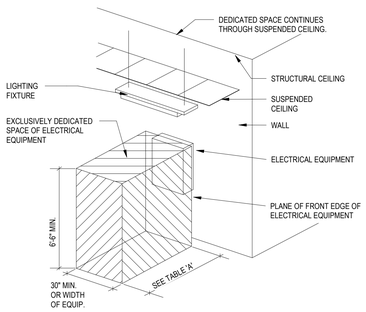


NOTES:

1. THIS FIGURE ILLUSTRATES THE ADDITIONAL EXCLUSIVELY DEDICATED SPACE REQUIRED OVER AND UNDER THE ELECTRICAL EQUIPMENT FOR CABLES, RACEWAYS, ETC. TO AND FROM THE ELECTRICAL EQUIPMENT. THE DEDICATED SPACE EXTENDS ABOVE THE EQUIPMENT 6 FEET OR TO STRUCTURAL CEILING WHICHEVER IS LOWER.
2. THIS APPLIES TO SURFACE OR RECESSED ELECTRICAL EQUIPMENT.
3. FOR EXCEPTIONS SEE N.E.C.

3 TYPICAL VERTICAL WORKING CLEARANCE

SCALE: N.T.S.



NOTES:

THIS FIGURE ILLUSTRATES THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.
SEE N.E.C. FOR VOLTAGES GREATER THAN THOSE LISTED.
SEE N.E.C. FOR EXCEPTIONS TO TABLE 'A'.

NEC 110.26 (A) (1) - WORKING CLEARANCES			
VOLTAGE TO GROUND NOMINAL	MINIMUM CLEAR DISTANCE (FEET) CONDITION: 1	2	3
0 - 150	3	3	3
151 - 600	3	3.5	4

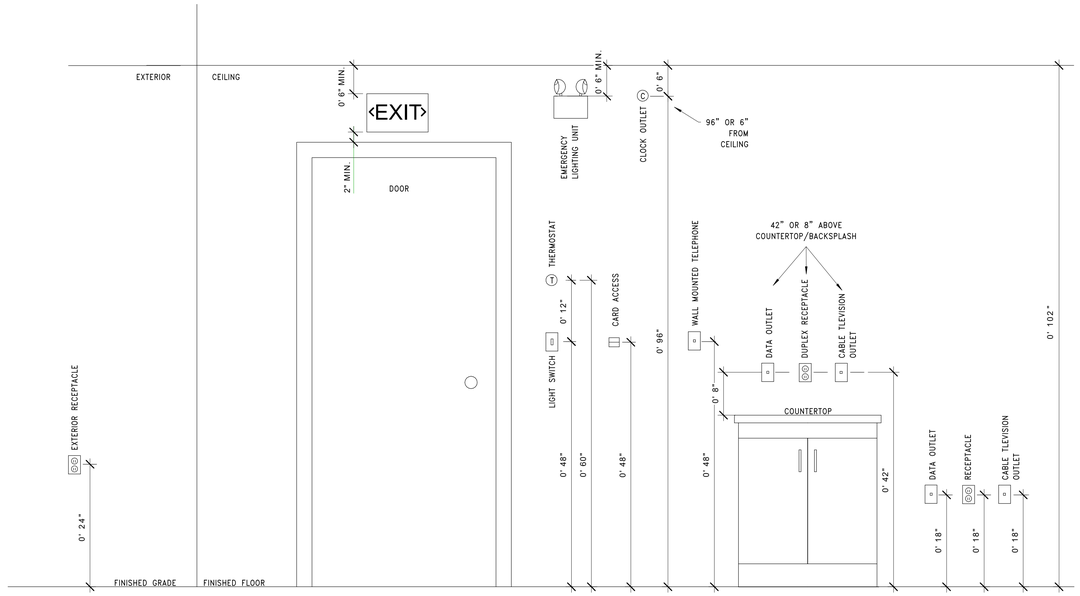
NEC 110.34 (A) - WORKING CLEARANCES			
VOLTAGE TO GROUND NOMINAL	MINIMUM CLEAR DISTANCE (FEET) CONDITION: 1	2	3
601 - 2500	3	4	5
2501 - 9000	4	5	6
9001 - 25,000	5	6	9
25,001 - 75 kV	6	8	10
ABOVE 75kV	8	10	12

WHERE THE CONDITIONS ARE AS FOLLOWS:

1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300 VOLTS SHALL NOT BE CONSIDERED LIVE PARTS.
2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.
3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

2 TYPICAL HORIZONTAL WORKING CLEARANCE

SCALE: N.T.S.

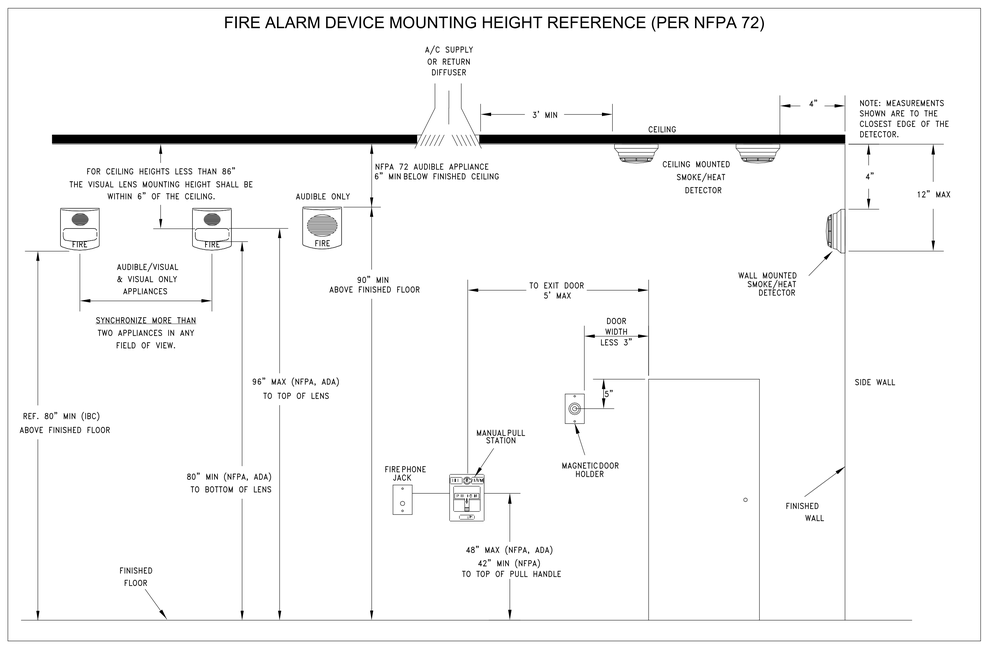


MOUNTING ELEVATIONS NOTES:

1. MOUNTING HEIGHTS NOTED ARE STANDARD, IF SPECIFIC MOUNTING HEIGHTS ARE NOT NOTED ON THE PLANS OR IN THE SPECIFICATIONS.

4 TYPICAL MOUNTING HEIGHT DETAIL

SCALE: NTS



1 FIRE ALARM HEIGHT

SCALE: NTS

REV.	DATE	ITEM

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PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE - 1A
MILLBROOK, NY/ DUCHESS COUNTY

DWG TITLE: ELECTRICAL DETAILS

DRAWING BY: Designer
CHECKED BY: Approver

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PROJECT: MILLBROOK MIDDLE SCHOOL CAPITAL IMPROVEMENT BOND PHASE - 1A
DWG TITLE: ELECTRICAL DETAILS
SCALE: AS NOTED
DATE: 4/3/26
BID PICK UP: 5/18/2026
FILE No. 25-273

E5.01

265000 - LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	WATTAGE / CCT / LAMP / CRI	VOLTAGE	REMARKS
A1	2'X2' LED TROFFER WITH DLC LISTING AND 5000 LUMENS PACKAGE	LITHONIA – STACK	STAK–2X2–5000LM–80CRI–35K–COL–MIN10–ZT–MVOLT	43W/3500/LED/80+	UNV	
B1	FULL CUTOFF WALL PACK WITH INTEGRAL PHOTOCELL	LUMARK – AXCS	AXCS5A–BK–PC1	45W/4000/LED/80+	UNV	
B1–EM	FULL CUTOFF WALL PACK WITH COLD WEATHER BATTERY & INTEGRAL PHOTOCELL	LUMARK – AXCS	AXCS5A–BK–PC1–CBP	45W/4000/LED/80+	UNV	
E1	2–3/4" DEEP SHALLOW, 4' LONG LED FIXTURE WITH WIRE GUARD FOR ELEVATOR SHAFT. WITH WIRE GUARD	METALUX – SSRK	4SSRK–EL14W–30–L840–SLN	15W/4000/LED/80+	UNV	
ELU–1	UL–924 COMPLAINT EMERGENCY LIGHTING UNIT WITH SEAL NICAD BATTERY	SURE–LITES	SEL25	LED	UNV	
X1	EDGE LIT, EXIT FIXTURE WITH DUAL VOLTAGE INPUT, SELF–DIAGNOSTIC, LONG LIFE LED, BROWNOUT CIRCUIT, OVERLOAD/SHORT CIRCUIT PROTECTION AND SEALED NICKEL CADMIUM, MAINTENANCE–FREE BATTERY	LITHONIA – QUANTUM	EDG–R–RMR–EL–SD	LED	UNV	

Electrical Fixture Schedule

Mark	DESCRIPTIONN	VOLTAGE	PHASE	AMPS	Panel	Circuit Number	CIRCUIT BREAKER	CONDUIT AND WIRING
CH-C-1A	HOT WATER CABINET HEATER	120	1	2.75 MCA	LP-4	1	15A-1P	(2)#12,#12G. IN 3/4"C.
CH-C-1B	HOT WATER CABINET HEATER	120	1	2.75 MCA	LP-4	1	15A-1P	(2)#12,#12G. IN 3/4"C.
CH-C-2A	HOT WATER CABINET HEATER	120	1	2.75 MCA	LP1-G(R)	28	15A-1P	(2)#12,#12G. IN 3/4"C.
CH-C-2B	HOT WATER CABINET HEATER	120	1	2.75 MCA	LP1-G(R)	28	15A-1P	(2)#12,#12G. IN 3/4"C.
ECH-C-1	ELECTRIC CABINET HEATER	208V	1	37.9 MCA	LP-4	8,10	50A-2P	(2)#8,#10G. IN 3/4"C.
ECH-C-2	ELECTRIC CABINET HEATER	208V	1	37.9 MCA	LP1-G(R)	22,24	50A-2P	(2)#8,#10G. IN 3/4"C.
ELEVATOR A	ELEVATOR	208V	3	21 MCA	DPL	19,21,23	70A-3P	(3)#4,#6G. IN 1-1/4"C.
ELEVATOR A CART	ELEVATOR CART	120V	1	15 MCA	DPL	20	15A-1P	(2)#12,#12G. IN 3/4"C.
ELEVATOR B	ELEVATOR	208V	3	21 MCA	LP-4	3,5,7	70A-3P	(3)#4,#6G. IN 1-1/4"C.
ELEVATOR B CART	ELEVATOR CART	120V	1	15 MCA	LP-4	4	15A-1P	(2)#12,#12G. IN 3/4"C.
EUH-ELEV-A	ELECTRIC UNIT HEATER	208V	1	10.3 FLA	DPL	22,24	15A-2P	(2)#12,#12G. IN 3/4"C.
EUH-ELEV-B	ELECTRIC UNIT HEATER	208V	1	10.3 FLA	LP-4	13,15	15A-2P	(2)#12,#12G. IN 3/4"C.
REF-ELEV-A	EXHAUST FAN	208V	1	5.6 FLA	LP-1A(L)	26,28	15A-2P	(2)#12,#12G. IN 3/4"C.
REF-ELEV-B	EXHAUST FAN	208V	1	5.6 FLA	LP1-G(L)	15,17	15A-2P	(2)#12,#12G. IN 3/4"C.

GERAL NOTES::

A. ALL DISCONNECTS TO BE MC FURNISHED EC INSTALLED. FIELD COORDINATE WITH MC FOR FINAL EQUIPMENT LOCATIONS.

Branch Panel: LP-1A(R)

Location: **Volts:** 120/208 Wye **A.I.C. Rating:**
Supply From: **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	HALL LTG (E)	20 A	1	0 VA	0 VA					1	20 A	STORAGE RM (E)	2
3	HALL LTG (E)	20 A	1			0 VA	0 VA			1	20 A	VACUUM OUTLET (E)	4
5	CAFE LTG (E)	20 A	1					0 VA	0 VA	1	20 A	CAFE UV (E)	6
7	CAFE LTG (E)	20 A	1	0 VA	0 VA					1	20 A	STUDENT RM OUTLET (E)	8
9	CAFE LTG (E)	20 A	1			0 VA	0 VA			1	20 A	ART RM OUTLET (E)	10
11	CAFE LTG (E)	20 A	1					0 VA	0 VA	1	20 A	ART RM OUTLET (E)	12
13	CAFE LTG (E)	20 A	1	0 VA	0 VA					3	60 A	LP-1 PANEL	14
15	CAFE LTG (E)	20 A	1			0 VA	0 VA			--	--	--	16
17	KITCHEN LTG (E)	20 A	1					0 VA	0 VA	--	--	--	18
19	KITCHEN LTG (E)	20 A	1	0 VA									20
21	KITCHEN LTG (E)	20 A	1			0 VA	138 VA			1	20 A	Lighting	22
23	KITCHEN LTG (E)	20 A	1					0 VA	465.8 VA	1	20 A	LTG CORRIDOR	24
25	EXISTING CKT	20 A	1	0 VA	0 VA					3	20 A	EXISTING CKT	26
27	EXISTING CKT	20 A	1			0 VA	0 VA			--	--	--	28
29	EXISTING CKT	20 A	1					0 VA	0 VA	--	--	--	30
		Total Load:		0 VA		138 VA		466 VA					
		Total Amps:		0 A		1 A		4 A					

Notes:
EXISTING PANEL

Branch Panel: LP-2

Location: ELEC. RM. 14 **Volts:** 120/208 Wye **A.I.C. Rating:**
Supply From: **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 250 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	AC-RM29; 27; 25; 23; 21; 19; 19B; 19C;...	20 A	2	477.4 VA	720 VA					1	20 A	CH-RM18; T4; T3	2
3	--	--	--			477.4 VA	0 VA			1	20 A	CH-1 HALLS (E)	4
5	AC-RM30; 28; 26; 24; 22; 20	20 A	2					371.3 VA	240 VA	1	15 A	CH-RM19	6
7	--	--	--	371.3 VA	720 VA					1	20 A	CH-C-1C; 2C; 3C	8
9	BCC-E1; F1; H1; G1	20 A	2			158.1 VA	72 VA			1	20 A	FSD	10
11	--	--	--					158.1 VA	427 VA	1	20 A	LTG CORRIDOR (PHASE 1A)	12
13	ROOF TOP CONV RECEPT	20 A	1	720 VA	0 VA					1	20 A	SCHOOL STORE RECEPT (E)	14
15	EM LTG HALL (E)	20 A	1			0 VA	720 VA			1	20 A	LTG RM 27 & 29	16
17	RM 22 AC (E)	20 A	1					0 VA	720 VA	1	20 A	LTG RM 23, 25	18
19	CKT 38 FROM PANEL LP1C (E)	20 A	1	0 VA	0 VA					1	20 A	POWER POLE SERVER CLOSET (E)	20
21	CLOCK SYSTEM (E)	20 A	1			0 VA	0 VA			1	20 A	POWER POLE SERVER CLOSET (E)	22
23	Lighting	20 A	1					138 VA	0 VA	1	20 A	POWER POLE SERVER CLOSET (E)	24
25	CKT FROM SERVER CLOSET (E)	20 A	1	0 VA	0 VA					1	20 A	CKT FROM SERVER CLOSET (E)	26
27	CKT FROM SERVER CLOSET (E)	20 A	1			0 VA	0 VA			1	20 A	CKT FROM SERVER CLOSET (E)	28
29	POWER POLE SERVER CLOSET (E)	20 A	1					0 VA	0 VA	1	20 A	CKT FROM SERVER CLOSET (E)	30
31	COPIER MACHINE (E)	20 A	2	0 VA	0 VA					2	20 A	Spare	32
33	--	--	--			0 VA	0 VA			--	--	--	34
35	FSD	20 A	1					96 VA	0 VA	2	20 A	Spare	36
37	ROOF TOP CONV RECEPT	20 A	1	540 VA	0 VA					--	--	--	38
39	LTG RM 21	20 A	1			360 VA	0 VA			2	20 A	Spare	40
41	LTG RM 20 & 22	20 A	1					720 VA	0 VA	--	--	--	42
		Total Load:		3549 VA		1291 VA		2112 VA					
		Total Amps:		31 A		11 A		19 A					

Notes:
EXISTING PANEL

Branch Panel: LP-4

Location: ELEC. RM. 14 **Volts:** 120/208 Wye **A.I.C. Rating:**
Supply From: **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 200 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	CH-C-1A	20 A	1	660 VA	720 VA					1	20 A	LTG RM 26 & 24	2
3	ELEVATOR B	70 A	3			2521.8 VA	1440 VA			1	20 A	ELEVATOR B CART	4
5	--	--	--					2521.8 VA	720 VA	1	20 A	LTG RM 30 & 28	6
7	--	--	--	2521.8 VA	4680 VA					2	50 A	ECH-C-1	8
9	Electric Heat	20 A	1			600 VA	4680 VA			--	--	--	10
11	Receptacle	20 A	1					180 VA					12
13	EUH-ELEV-B	15 A	2	500 VA									14
15	--	--	--			500 VA							16
17													18
19													20
21	PIT CONVINIENCE RECEPT	20 A	1			360 VA	180 VA			1	20 A	GFCI - ELEV B - SUMP PUMP RECEPT	22
23													24
25					600 VA					1	20 A	ECH-C-1 MOTORIZED DAMPER	26
27							540 VA			1	20 A	CONVINIENCE RECEPT	28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		8991 VA		10822 VA		2796 VA					
		Total Amps:		83 A		98 A		23 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Electric Heat	1200 VA	100.00%	1200 VA		
Lighting	1440 VA	100.00%	1440 VA	**Total Conn. Load:**	22532 VA
Motor	1660 VA	100.00%	1660 VA	**Total Est. Demand:**	22532 VA
Receptacle	1260 VA	100.00%	1260 VA	**Total Conn. Current:**	63 A
Power	18365 VA	100.00%	18365 VA	**Total Est. Demand Current:**	63 A

Notes:
PHASE 1A NEW PANEL

Branch Panel: LP1-G(R)

Location: CORRIDOR A **Volts:** 120/208 Wye **A.I.C. Rating:**
Supply From: **Phases:** 3 **Mains Type:** 125A MLO
Mounting: RECESSED **Wires:** 4 **Mains Rating:** 800 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RM 44 OUTLETS (E)	20 A	1	0 VA	0 VA					1	20 A	RM 45 LTG (E)	2
3	RM 45 OUTLETS (E)	20 A	1			0 VA	0 VA			1	20 A	TUNNEL LTG (E)	4
5	OCCU LTG (E)	20 A	1					0 VA	0 VA	1	20 A	EF 16 (E)	6
7	HALL LTG (E)	20 A	1	0 VA	0 VA					1	20 A	EF 17 (E)	8
9	HALL LTG (E)	20 A	1			0 VA	0 VA			1	20 A	HOME EC HOOD (E)	10
11	SCIENCE TABLE (E)	20 A	1					0 VA	0 VA	2	20 A	HOME EC RANGE (E)	12
13	VACCUM CLEANER (E)	20 A	1	0 VA	0 VA					--	--	--	14
15	SCIENCE TABLE RM 45 (E)	20 A	1			0 VA	0 VA			2	20 A	HOME EC RANGE (E)	16
17	RECEPT (E)	20 A	1					0 VA	0 VA	--	--	--	18
19	RECEPT (E)	20 A	1	0 VA	0 VA					1	20 A	REF-ELEV-B & FSD	20
21	SCIENCE TABLE RM 45 (E)	20 A	1			0 VA	4680 VA			2	50 A	ECH-C-2	22
23	SCIENCE TABLE RM 45 (E)	20 A	1					0 VA	4680 VA	--	--	--	24
25	SERVER CLOSET/VACCUM CLEANER...	20 A	1	0 VA	600 VA					1	20 A	ECH-C-2 MOTORIZED DAMPER	26
27	Spare	20 A	1			0 VA	660 VA			1	20 A	CH-C-2A	28
29	CH-RM41B; 44B; 38	20 A	1					720 VA	720 VA	1	20 A	CH-C-1B; 2B; 3B	30
		Total Load:		600 VA		5340 VA		6120 VA					
		Total Amps:		5 A		51 A		57 A					

Notes:
EXISTING PANEL

REV.	DATE	ITEM

NOTICE

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PROJECT: MILLBROOK CENTRAL SCHOOL DISTRICT
MILLBROOK MIDDLE SCHOOL
CAPITAL IMPROVEMENT BOND PHASE - 1A
MILLBROOK, NY/ DUCHESS COUNTY

DWG TITLE: ELECTRICAL SCHEDULES

DRAWING BY: EEA
CHECKED BY: MDA

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BBS
ARCHITECTS
LANDSCAPE ARCHITECTS
ENGINEERS
244 EAST MAIN STREET
PATCHOGUE
NEW YORK 11772
T. 631.475.0349
F. 631.475.0361
100 GREAT OAKS BLVD.
SUITE 115, ALBANY
NEW YORK 12203
T. 518.621.7650
F. 518.621.7655
www.BBSARCHITECTURE.com

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PROJECT: MILLBROOK MIDDLE SCHOOL CAPITAL IMPROVEMENT BOND PHASE - 1A
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SCALE: AS NOTED
DATE: 4/3/26
BID PICK UP: 5/18/2026
FILE No. 25-273

E6.01