MT. PLEASANT CENTRAL SCHOOL DISTRICT

RENOVATIONS TO THE PHYSICAL EDUCATION DEPARTMENT

at

WESTLAKE HIGH SCHOOL
825 WESTLAKE DRIVE
THORNWOOD, NY 10594

NYSED PROJECT #66-08-01-06-0-005-020

MULTIPLE PRIME CONTRACT
(GC, MC, EC, PC)

Drawing Index

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		M0.01	MECH. GEN. NOTES, LEGEND & ABBREV.
T0.01A	ARCHITECT TITLE SHEET & GENERAL NOTES	M1.01	MECH. DEMOLITION FLOOR PLANS
		M2.01	PARTIAL MECH. PROPOSED FLOOR PLANS
CA0.01	CODE ANALYSIS AND PHASING PLAN	M2.02	PARTIAL MECH. PROPOSED ROOF PLAN
CA0.02	EGRESS PLAN - BASEMENT	M6.01	MECHANICAL SCHEDULES
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A8.01	FIRESTOPPING DETAILS		
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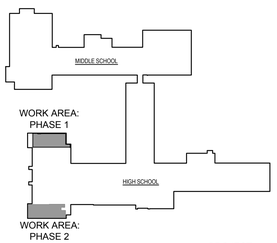
Aerial View

NOT TO SCALE



Key Plan

NOT TO SCALE

Date	9/25/20
Checked	MTM
Drawn	JG

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SED PROJECT #66-08-01-06-0-005-020

COVER SHEET
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908C001

C0.01

MT. PLEASANT CENTRAL SCHOOL DISTRICT

RENOVATIONS TO THE PHYSICAL EDUCATION DEPARTMENT

at

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825 WESTLAKE DRIVE
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NYSED PROJECT #66-08-01-06-0-005-020

CONTRACT#1a: GENERAL CONSTRUCTION

Symbols

- GRADE LINE
- BORDER LINE, OUTLINE
- FIRE SEPARATION WALL SMOKE COMPARTMENT
- CENTER LINE
- OBJECT LINE
- ELEVATION LINE (EL. X'-X" T.O. XXX)
- MATCH LINE (PROPOSED / EXISTING)
- HIDDEN LINE
- DEMOLITION
- BREAK LINE
- BREAK LINE
- BREAK LINE (PIPE)
- FRAMING DESIGNATION (2x10 F.J. @ 16" O.C.)
- DIMENSION LINE
- COLUMN LINE (C1)
- DOOR TAG (D01)
- WINDOW TAG (W1)
- CEILING TAG (CT-1)
- PLUMBING TAG (P-1)
- EQUIPMENT TAG (E11)
- WALL TAG (A)
- DEMOLITION NOTE (1)
- CONSTRUCTION NOTE (1)
- SLOPE DESIGNATIONS (12 / X; SL. ½:12)
- ADA SYMBOL
- REVISION CLOUD W/ TAG (1)
- ROOM NAME DESIGNATION (ROOM NAME 100 100 SF)
- BLOW UP PLAN DESIGNATION (A-.--)
- INTERIOR ELEVATION (1, 2, A2.01, 4, 3)
- SECTION MARK (1 / A2.01)

Drawing Label (A-.--) -" = 1'-0"

Location Map

NOT TO SCALE

Aerial View

NOT TO SCALE

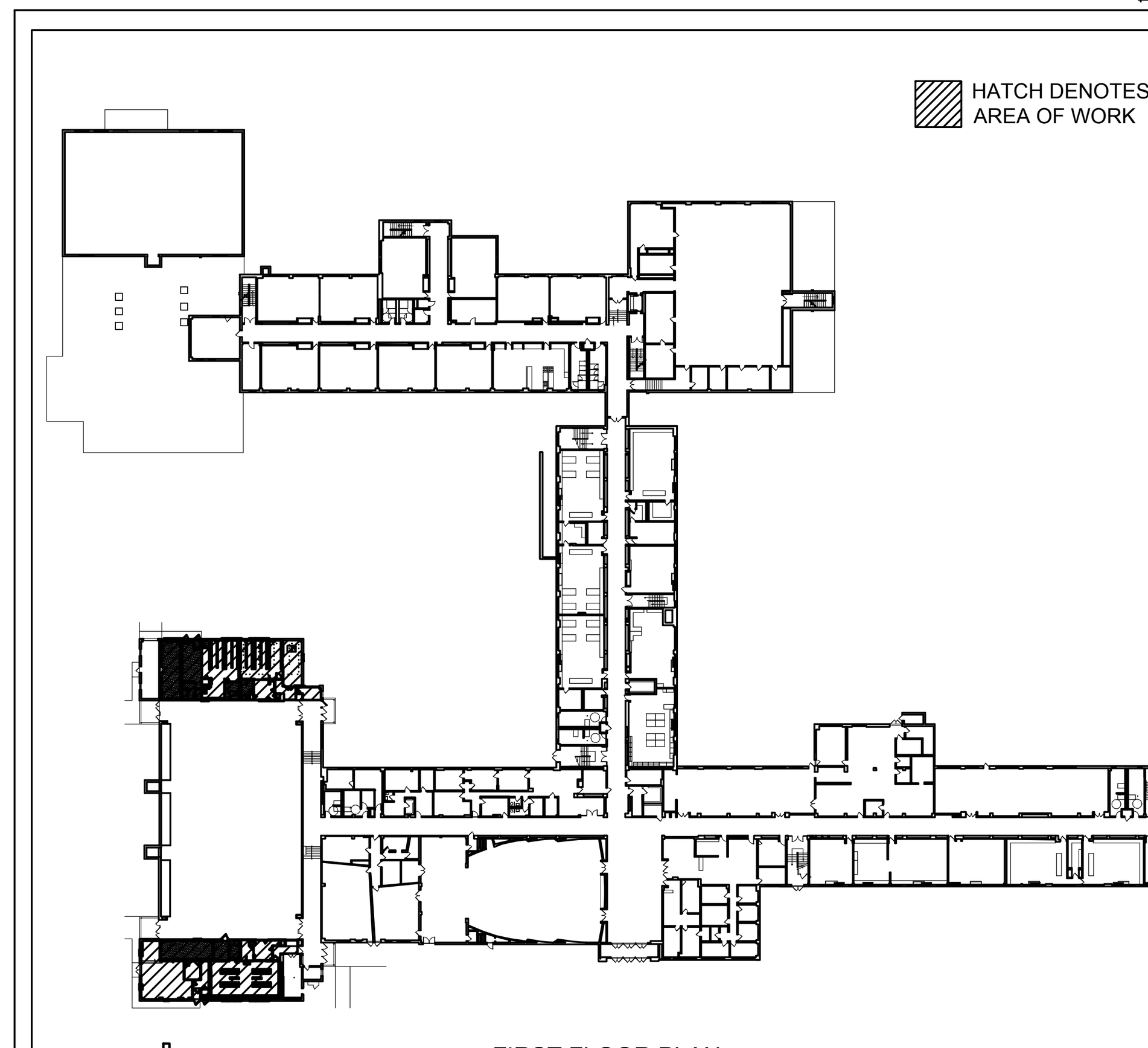
General Notes

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

Drawing Index

Location Plan

NOT TO SCALE



FIRST FLOOR PLAN

Date	9/25/20
Checked	MTM
Drawn	KM

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ARCHITECTUREL TITLE SHEET
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
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825 WEST LAKE DRIVE
THORNWOOD, NY 10594

SED PROJECT #66-08-01-06-0-005-020

Job No. 4.1449.08
File No. 4144909T001

T0.01A

Design Building Codes

- 2020 INTERNATIONAL EXISTING BUILDING CODE (AS ADOPTED BY NEW YORK STATE)
- 2020 INTERNATIONAL BUILDING CODE (AS ADOPTED BY NEW YORK STATE)
- 2020 INTERNATIONAL MECHANICAL CODE (AS ADOPTED BY NEW YORK STATE)
- 2020 INTERNATIONAL PLUMBING CODE (AS ADOPTED BY NEW YORK STATE)
- 2020 ENERGY CONSERVATION CONSTRUCTION CODE (AS ADOPTED BY NEW YORK STATE)
- 1998 NYSED MANUAL OF PLANNING STANDARDS
- NATIONAL ELECTRIC CODE (NEC)
- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- ICC/ANSI A117.1 – 2009 AMERICAN NATIONAL STANDARD

Code Analysis

2020 INTERNATIONAL EXISTING BUILDING CODE (AS ADOPTED BY NEW YORK STATE)

CHAPTER 5 CLASSIFICATION OF WORK

SECTION 503 ALTERATION – LEVEL 2

503.1 SCOPE. LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT.

503.2 APPLICATION. LEVEL 2 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 7 FOR LEVEL 1 ALTERATIONS AS WELL AS THE PROVISIONS OF CHAPTER 8.

CHAPTER 7 ALTERATIONS - LEVEL 1

SECTION 701 GENERAL

701.1 SCOPE. LEVEL 1 ALTERATIONS AS DESCRIBED IN SECTION 503 SHALL COMPLY WITH THE REQUIREMENTS OF THIS CHAPTER

701.2 ALTERATION LEVEL 1 CONFORMANCE. AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION.

SECTION 702 BUILDING ELEMENTS AND MATERIALS

702.1 INTERIOR FINISHES. ALL NEWLY INSTALLED INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE IBC.

CHAPTER 8 ALTERATIONS - LEVEL 2

SECTION 804 FIRE PROTECTION

804.2 AUTOMATIC SPRINKLER SYSTEMS. AUTOMATIC SPRINKLER SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 804.2.1 THROUGH 804.2.5. INSTALLATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE IBC.

804.2.2 GROUPS A, B, E, F–1, H, I, M, R–1, R–2, R–4, S–1 & S–2. IN BUILDINGS WITH OCCUPANCIES A, B, E, F–1, H, I, M, R–1, R–2, R–4, S–1 & S–2 WORK AREAS THAT HAVE EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT OR THAT HAVE OCCUPANT LOAD GREATER THAN 30 SHALL BE PROVIDED WITH AUTOMATIC SPRINKLER PROTECTION WHERE ALL OF THE FOLLOWING CONDITIONS OCCUR:

1. THE WORK AREA IS REQUIRED TO BE PROVIDED WITH AN AUTOMATIC SPRINKLER PROTECTION IN ACCORDANCE WITH THE IBC AS APPLICABLE TO NEW CONSTRUCTION.

2. THE WORK AREA EXCEEDS 50% OF THE FLOOR AREA.
NOTE: THE WORK AREA DOES NOT EXCEED 50% OF THE FLOOR AREA.
5,383 S.F. OF RENOVATIONS TO A 116,000 BUILDING ≈ 4.5%

804.4 FIRE ALARM AND DETECTION. AN APPROVED FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH SECTIONS 804.4.1 THROUGH 804.4.3. WHERE AUTOMATIC SPRINKLER PROTECTION IS PROVIDED IN ACCORDANCE WITH SECTION 804.2 AND IS CONNECTED TO THE BUILDING FIRE ALARM SYSTEM, AUTOMATIC HEAT DETECTION SHALL NOT BE REQUIRED. AN APPROVED AUTOMATIC FIRE DETECTION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THIS CODE AND NFPA 72. DEVICES, COMBINATIONS OF DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE APPROVED. THE AUTOMATIC FIRE DETECTORS, EXCEPT THAT AN APPROVED ALTERNATIVE TYPE OF DETECTOR SHALL BE INSTALLED IN SPACES SUCH AS BOILER ROOMS, WHERE PRODUCTS OF COMBUSTION ARE PRESENT DURING NORMAL OPERATION IN SUFFICIENT QUANTITY TO ACTUATE SMOKE DETECTOR.

804.4.1 OCCUPANCY REQUIREMENTS. A FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH SECTIONS 804.4.1.1 THROUGH 804.4.1.7. EXISTING ALARM NOTIFICATION APPLIANCES SHALL BE AUTOMATICALLY ACTIVATED THROUGHOUT THE BUILDING. WHERE THE BUILDING IS NOT EQUIPPED WITH A FIRE ALARM SYSTEM, ALARM–NOTIFICATION APPLIANCES WITH THE WORK AREA SHALL BE PROVIDED AND AUTOMATICALLY ACTIVATED.

804.4.1.1 GROUP E. A FIRE ALARM SYSTEM SHALL BE INSTALLED IN WORK AREAS OF GROUP E OCCUPANCIES AS REQUIRED BY THE INTERNATIONAL FIRE CODE.

2020 INTERNATIONAL BUILDING CODE (AS ADOPTED BY NEW YORK STATE)

CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION

SECTION 305 CLASSIFICATION – EDUCATIONAL GROUP E

CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS

SECTION 503 GENERAL BUILDING HEIGHT AND AREA LIMITATIONS (FROM TABLE 504.3 & TABLE 504.4)

HIGH SCHOOL (ORIGINAL 1962 BUILDING): TYPE IIB CONSTRUCTION

55', TWO–STORY (ALLOWABLE)

30', TWO–STORY (EXISTING / NO CHANGE)

MIDDLE SCHOOL (1967 ADDITION): TYPE IIB CONSTRUCTION

55', TWO–STORY (ALLOWABLE)

45', THREE–STORY (EXISTING / NO CHANGE)

CHAPTER 6 TYPES OF CONSTRUCTION

SECTION 602 CONSTRUCTION CLASSIFICATION

602.2 TYPE IIB CONSTRUCTION: NON–COMBUSTIBLE MATERIALS, NO SPRINKLER SYSTEM

TABLE 601 (FOR TYPE IIB CONSTRUCTION)

FIRE–RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS	(HOURS)
PRIMARY STRUCTURAL FRAME	0 HR.
BEARING WALLS – EXTERIOR	0 HR.
BEARING WALLS – INTERIOR	0 HR.
NONBEARING WALLS & PARTITIONS – EXTERIOR	SEE TABLE 602
NONBEARING WALLS & PARTITIONS – INTERIOR	0 HR.
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0 HR.
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0 HR.

TABLE 602
FIRE–RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE

FIRE SEPARATION DISTANCE:	X<5	5≤X<10	10≤X<30	X≥30
TYPE OF CONSTRUCTION:	ALL	IIB	IIB	IIB
OCCUPANCY GROUP:	E	E	E	E
FIRE–RESISTANCE RATING:	1 HR.	1 HR.	0 HR.	0 HR.

CHAPTER 7 FIRE AND SMOKE PROTECTION FEATURES

SECTION 703 FIRE–RESISTANCE RATINGS AND FIRE TESTS

703.2 FIRE RESISTANCE RATINGS. THE FIRE–RESISTANCE RATING OF BUILDING ELEMENTS, COMPONENTS, OR ASSEMBLIES SHALL BE DETERMINED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E119 OR UL 263 OR IN ACCORDANCE WITH SECTION 703.3. THE FIRE–RESISTANCE RATING OF PENETRATIONS AND FIRE–RESISTANT JOINT SYSTEMS SHALL BE DETERMINED IN ACCORDANCE SECTIONS 714 AND 715, RESPECTIVELY.

CHAPTER 8 - INTERIOR FINISHES

SECTION 801 GENERAL

801.2 INTERIOR WALL AND CEILING FINISH:
THE PROVISIONS OF SECTION 803 SHALL LIMIT THE ALLOWABLE FIRE PERFORMANCE AND SMOKE DEVELOPMENT OF INTERIOR WALL AND CEILING FINISH MATERIALS BASED ON OCCUPANCY CLASSIFICATION.

Code Analysis (Continued)

SECTION 803 WALL AND CEILING FINISHES

SECTION 803.11 INTERIOR FINISH REQUIREMENTS BASED ON GROUP
INTERIOR WALL AND CEILING FINISH SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN THAT SPECIFIED IN TABLE 803.11 FOR THE GROUP AND LOCATION DESIGNATED. INTERIOR WALL AND CEILING FINISH MATERIALS TESTED IN ACCORDANCE WITH NFPA 286 AND MEETING THE ACCEPTANCE CRITERIA OF SECTION 803.1.2.1, SHALL BE PERMITTED TO BE USED WHERE A CLASS A CLASSIFICATION IN ACCORDANCE WITH ASTM E84 OR UL 723 IS REQUIRED.

TABLE 803.11 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

GROUP E (NONSPRINKLERED)	
INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS:	A
CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS:	B
ROOMS AND ENCLOSED SPACES:	C

CHAPTER 10 - MEANS OF EGRESS

(SEE EGRESS PLANS ON SHEETS CA0.02–CA0.05 FOR CODE ANALYSIS OF THIS CHAPTER)

CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION

SECTION 3302 CONSTRUCTION SAFEGUARDS

3302.1 ALTERATIONS, REPAIRS AND ADDITIONS. REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES AND SANITARY SAFEGUARDS SHALL BE MAINTAINED AT ALL TIMES DURING ALTERATIONS, REPAIRS OR ADDITIONS TO ANY BUILDING OR STRUCTURE.

3302.2 MANNER OF REMOVAL. WASTE MATERIALS SHALL BE REMOVED IN A MANNER THAT PREVENTS INJURY OR DAMAGE TO PERSONS, ADJOINING PROPERTIES AND PUBLIC RIGHTS–OF–WAY.

3302.3 FIRE SAFETY DURING CONSTRUCTION. FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THIS CODE AND THE APPLICABLE PROVISIONS OF THE INTERNATIONAL FIRE CODE.

Uniform Safety Standards

UNIFORM SAFETY STANDARDS FOR SCHOOLS AND MAINTENANCE PROJECTS

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

2. SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION ACTIVITIES HAVE BEEN TESTED AND FOUND TO CONTAIN ASBESTOS. THESE AREAS WILL BE ABATED IN ACCORDANCE WITH SPECIFICATION SECTION 028200. A COPY OF THE TEST RESULTS IS INCLUDED WITHIN THE ENVIRONMENTAL REPORT FOUND IN THE APPENDIX OF THE PROJECT MANUAL FOR THIS PROJECT.

3. GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:

3.1. ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.

3.2. FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.

3.3. GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.

3.4. DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT ENTRY.

3.5. WORKERS SHALL BE REQUIRED TO WEAR PHOTO–IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES.

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

4.1. A SPECIFIC STAIRWELL AND/OR ELEVATOR SHALL BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF. WHERE NO STAIRWELL AND OR ELEVATOR IS ASSIGNED,WORKERS MUST ENTER THE CONSTRUCTION SPACES DIRECTLY FROM THE BUILDING EXTERIOR.

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

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

5. A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED. WORK UNDER THIS CONTRACT WORK WILL BE CONDUCTED DURING THE SUMMER RECESS WHEN THE BUILDING IS UNOCCUPIED. WHEN THE BUILDING BECOMES OCCUPIED THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EXISTING MEANS OF EGRESS IN A CLEAR AND FREE MANNER, INCLUDING THE STORAGE OF MATERIALS AND STAGING OF EQUIPMENT ON THE SITE. IF ANY PORTION OF THE BUILDING DOES BECOME OCCUPIED THE ARCHITECT WILL PROVIDE A DETAILED PLAN FOR EXITING, OVERHEAD PROTECTION AND EGRESS IN ACCORDANCE WITH APPLICABLE BUILDING CODES.

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

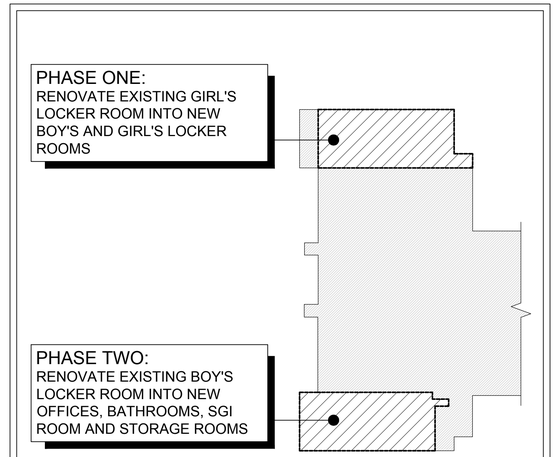
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF–GASSING" OF VOLATILE ORGANIC COMPOUNDS ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS BEFORE A SPACE CAN BE OCCUPIED.

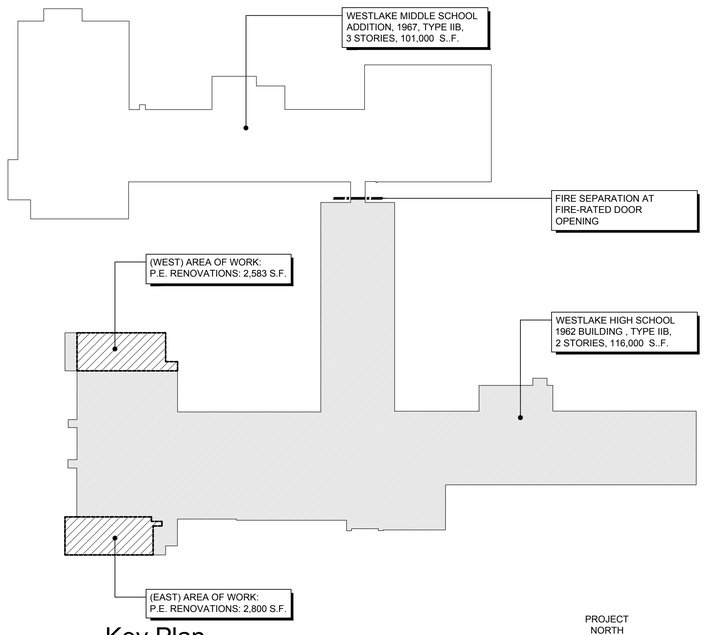
8. ALL PAINTED SURFACES TO BE DISTURBED DURING CONSTRUCTION AND/OR DEMOLITION UNDER THE SCOPE OF THIS PROJECT HAVE BEEN TESTED FOR LEAD CONTENT IN ACCORDANCE WITH USEPA REGULATIONS AND PER HUD GUIDELINES. ALL MATERIALS THAT TESTED POSITIVE WHICH ARE TO BE DISTURBED UNDER THE PROJECT ARE SCHEDULED FOR REMOVAL UNDER THE TERMS OF SECTION 026000 OF THE PROJECT SPECIFICATIONS. TRACES OF LEAD WERE ALSO DETECTED IN OTHER MATERIALS, THEREFORE THE CONTRACTOR SHALL TAKE THE PROPER MEASURES TO PROTECT AND TRAIN WORKERS PER OSHA REGULATIONS. ALL TESTING RESULTS ARE ATTACHED TO SPECIFICATION SECTION 026000.

9. UNDER NEW YORK STATE LAW SMOKING IS PROHIBITED ON SCHOOL GROUNDS. EMPLOYEES FOUND TO BE SMOKING ON SCHOOL GROUNDS SHALL BE ORDERED OFF SITE AND A SECOND OFFENSE WILL BE GROUNDS FOR PERMANENT REMOVAL FROM PROJECT. LEGAL PENALTIES MAY ALSO BE APPLIED.

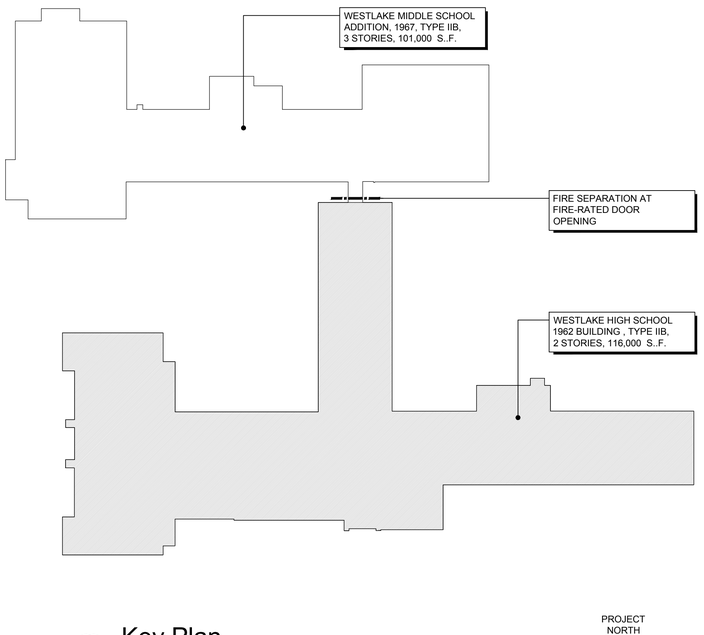
10. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION AND SHALL PROVIDE SUCH EQUIPMENT AND FACILITIES AS ARE NECESSARY OR REQUIRED FOR THE SAFETY OF ITS EMPLOYEES. IN CASE OF AN ACCIDENT, FIRST AID SHALL BE ADMINISTERED TO ANYONE WHO MAY BE INJURED IN THE PROGRESS OF THE WORK. ADDITIONALLY, THE CONTRACTOR SHALL BE PREPARED FOR THE REMOVAL TO THE HOSPITAL FOR TREATMENT OF ANY EMPLOYEE EITHER SERIOUSLY INJURED OR ILL.

Phasing Plan





1 CA0.01 Key Plan
1/64" = 1'-0"



2 CA0.01 Key Plan
1/64" = 1'-0"

Date	9/25/20
Checked	MM
Drawn	CC

REGISTERED ARCHITECT
MICHAEL J. McGOVERN
022257
STATE OF NEW YORK

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Revisions:
BID CONFORMANCE SET 11/20/20

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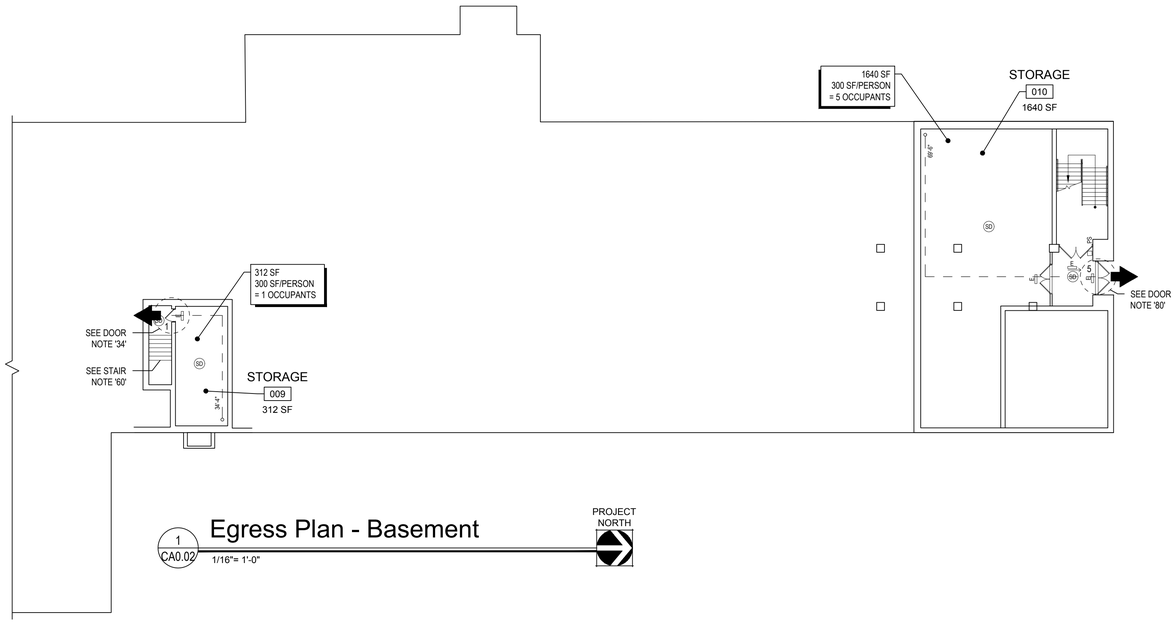
SED PROJECT #66-08-01-06-0-005-020

CODE ANALYSIS AND PHASING PLAN
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908CA001

CA0.01



1 CA0.02 Egress Plan - Basement

1/16"= 1'-0"

PROJECT NORTH

Egress Legend

SYMBOL	DESCRIPTION
0'-0" T.D.	TOTAL TRAVEL DISTANCE (T.D.).

DOOR NOTE '34'
3'-0" SINGLE LEAF DOOR:
EGRESS CAPACITY
2'-10" CLEAR OPENING
34"/.20" = 170 PEOPLE

DOOR NOTE '36'
3'-2" SINGLE LEAF DOOR:
EGRESS CAPACITY
3'-0" CLEAR OPENING
36"/.20" = 180 PEOPLE

DOOR NOTE '40'
3'-6" SINGLE LEAF DOOR:
EGRESS CAPACITY
3'-4" CLEAR OPENING
40"/.20" = 200 PEOPLE

DOOR NOTE '58'
4'-10" DOUBLE LEAF DOOR:
EGRESS CAPACITY
4'-10" CLEAR OPENING
58"/.20" = 290 PEOPLE

DOOR NOTE '64'
5-8" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-8" CLEAR OPENING
64"/.20" = 320 PEOPLE

DOOR NOTE '66'
5'-10" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-6" CLEAR OPENING
66"/.20" = 330 PEOPLE

DOOR NOTE '68'
6'-0" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-8" CLEAR OPENING
68"/.20" = 340 PEOPLE

DOOR NOTE '72'
6'-4" DOUBLE LEAF DOOR:
EGRESS CAPACITY
6'-0" CLEAR OPENING
72"/.20" = 360 PEOPLE

DOOR NOTE '80'
7'-0" DOUBLE LEAF DOOR:
EGRESS CAPACITY
6'-8" CLEAR OPENING
80"/.20" = 400 PEOPLE

HALL NOTE '58'
4'-10" CLEAR OPENING
EGRESS CAPACITY
58"/.20" = 290 PEOPLE

HALL NOTE '72'
6'-0" CLEAR OPENING
EGRESS CAPACITY
72"/.20" = 360 PEOPLE

HALL NOTE '76'
6'-4" CLEAR OPENING
EGRESS CAPACITY
76"/.20" = 380 PEOPLE

HALL NOTE '82'
6'-10" CLEAR OPENING
EGRESS CAPACITY
82"/.20" = 410 PEOPLE

HALL NOTE '89'
7'-5" CLEAR OPENING
EGRESS CAPACITY
89"/.20" = 445 PEOPLE

HALL NOTE '96'
8'-0" CLEAR OPENING
EGRESS CAPACITY
96"/.20" = 480 PEOPLE

HALL NOTE '111'
9'-3" CLEAR OPENING
EGRESS CAPACITY
111"/.20" = 555 PEOPLE

HALL NOTE '112'
9'-4" CLEAR OPENING
EGRESS CAPACITY
112"/.20" = 560 PEOPLE

HALL NOTE '116'
9'-8" CLEAR OPENING
EGRESS CAPACITY
116"/.20" = 580 PEOPLE

HALL NOTE '120'
10'-0" CLEAR OPENING
EGRESS CAPACITY
120"/.20" = 600 PEOPLE

HALL NOTE '136'
11'-4" CLEAR OPENING
EGRESS CAPACITY
136"/.20" = 680 PEOPLE

STAIR NOTE '44'
3'-8" CLEAR OPENING
EGRESS CAPACITY
44"/.30" = 146 PEOPLE

STAIR NOTE '46'
3'-10" CLEAR OPENING
EGRESS CAPACITY
46"/.30" = 153 PEOPLE

STAIR NOTE '47'
3'-11" CLEAR OPENING
EGRESS CAPACITY
47"/.30" = 156 PEOPLE

STAIR NOTE '48'
4'-0" CLEAR OPENING
EGRESS CAPACITY
48"/.30" = 160 PEOPLE

STAIR NOTE '54'
4'-6" CLEAR OPENING
EGRESS CAPACITY
54"/.30" = 180 PEOPLE

STAIR NOTE '57'
4'-9" CLEAR OPENING
EGRESS CAPACITY
57"/.30" = 190 PEOPLE

STAIR NOTE '60'
5'-0" CLEAR OPENING
EGRESS CAPACITY
60"/.30" = 200 PEOPLE

STAIR NOTE '68'
5'-8" CLEAR OPENING
EGRESS CAPACITY
68"/.30" = 227

Code Analysis

PER THE 2020 INTERNATIONAL BUILDING CODE (IBC) U.N.O.

USE GROUP CLASSIFICATION "E": EDUCATIONAL

OCCUPANT LOAD
SECTION 1004.5 - AREAS WITHOUT FIXED SEATING
OCCUPANCY LOADS WERE CALCULATED USING THE MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT AS INDICATED IN TABLE 1004.5.

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

STORAGE & MECHANICAL ROOMS	300	GROSS
ASSEMBLY:		
ASSEMBLY WITH FIXED SEATS	SECTION 1004.4	
CONCENTRATED (CHAIRS ONLY)	7	NET
STANDING SPACE	5	NET
UNCONCENTRATED (TABLES & CHAIRS)	15	NET
BUSINESS AREAS (OFFICES)	150	GROSS
EDUCATIONAL:		
CLASSROOMS	20	NET
SHOPS OR VOCATIONAL ROOMS	50	NET
EXERCISE ROOMS	50	GROSS
KITCHENS, COMMERCIAL	200	GROSS
LIBRARY		
READING ROOM	50	NET
STACKS	100	GROSS
LOCKER ROOMS	50	GROSS
STAGES AND PLATFORMS	15	NET

SECTION 1004.6 - FIXED SEATING
FOR AREAS HAVING FIXED SEATS AND AISLES, THE OCCUPANT LOAD SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN.

MEANS OF EGRESS SIZING
SECTION 1005
1005.3 REQUIRED CAPACITY BASED ON OCCUPANT LOAD
1005.3.1 STAIRWAYS
CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH STAIRWAYS BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.3 INCH PER OCCUPANT.

1005.3.2 OTHER EGRESS COMPONENTS
MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY EACH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT.

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
SECTION 1006
1006.2.1 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE.
TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1

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

EXIT ACCESS
SECTION 1016
1016.2 EGRESS THROUGH INTERVENING SPACE
EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER.

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

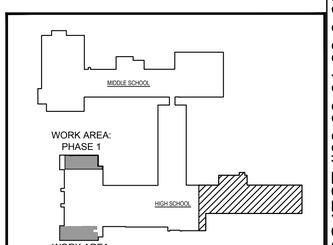
EXIT ACCESS TRAVEL DISTANCE
SECTION 1017
"E" OCCUPANCY:
NOT TO EXCEED 200 FEET WITHOUT SPRINKLER SYSTEM

CORRIDORS
SECTION 1020
1020.1 CORRIDOR FIRE-RESISTANCE RATING:
"E" OCCUPANCY
1 HOUR WITHOUT A SPRINKLER SYSTEM

1020.2 MINIMUM CORRIDOR WIDTH

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

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



Key Plan

NOT TO SCALE

PROJECT NORTH

SED PROJECT #66-08-01-06-0-005-020

Date	9/25/20
Checked	MTM
Drawn	TH

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MICHAEL J. McGOVERN
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License No. 022257-1
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Revisions:
BID CONFORMANCE SET
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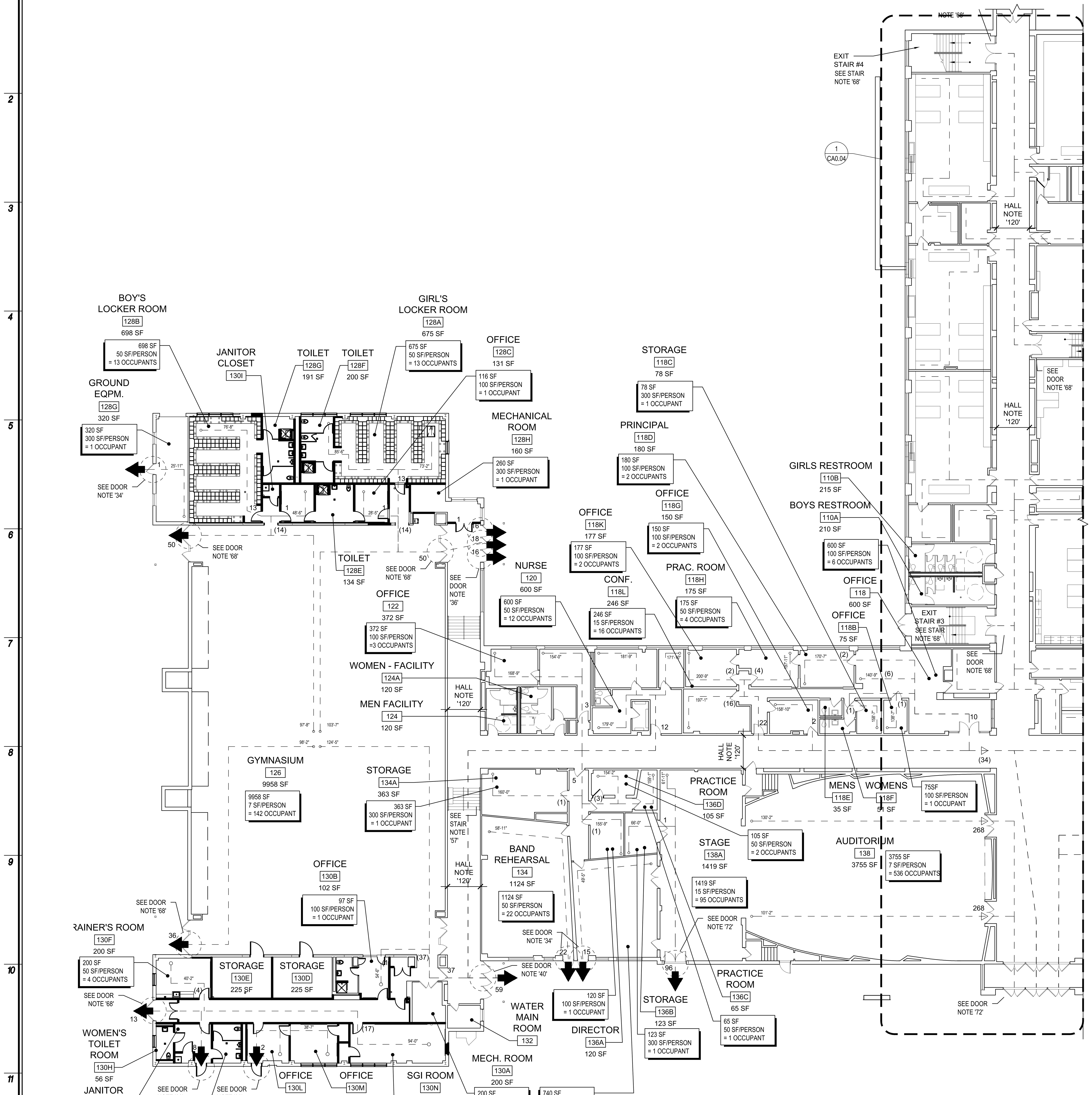
EGRESS PLAN - BASEMENT
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908CA002

CA0.02



1 CA0.03 **Partial Egress Plan - First Floor (South)**

1/16"= 1'-0"

PROJECT NORTH

Egress Legend

SYMBOL	DESCRIPTION
0'-0" T.D.	TOTAL TRAVEL DISTANCE (T.D.),

DOOR NOTE '34'
3'-0" SINGLE LEAF DOOR:
EGRESS CAPACITY
2'-10" CLEAR OPENING
34"/.20" = 170 PEOPLE

DOOR NOTE '36'
3'-2" SINGLE LEAF DOOR:
EGRESS CAPACITY
3'-0" CLEAR OPENING
36"/.20" = 180 PEOPLE

DOOR NOTE '40'
3'-6" SINGLE LEAF DOOR:
EGRESS CAPACITY
3'-4" CLEAR OPENING
40"/.20" = 200 PEOPLE

DOOR NOTE '58'
4'-10" DOUBLE LEAF DOOR:
EGRESS CAPACITY
4'-10" CLEAR OPENING
58"/.20" = 290 PEOPLE

DOOR NOTE '64'
5-8" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-8" CLEAR OPENING
64"/.20" = 320 PEOPLE

DOOR NOTE '66'
5'-10" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-6" CLEAR OPENING
66"/.20" = 330 PEOPLE

DOOR NOTE '68'
6'-0" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-8" CLEAR OPENING
68"/.20" = 340 PEOPLE

DOOR NOTE '72'
6'-4" DOUBLE LEAF DOOR:
EGRESS CAPACITY
6'-0" CLEAR OPENING
72"/.20" = 360 PEOPLE

DOOR NOTE '80'
7'-0" DOUBLE LEAF DOOR:
EGRESS CAPACITY
6'-8" CLEAR OPENING
80"/.20" = 400 PEOPLE

HALL NOTE '58'
4'-10" CLEAR OPENING
EGRESS CAPACITY
58"/.20" = 290 PEOPLE

HALL NOTE '72'
6'-0" CLEAR OPENING
EGRESS CAPACITY
72"/.20" = 360 PEOPLE

HALL NOTE '76'
6'-4" CLEAR OPENING
EGRESS CAPACITY
76"/.20" = 380 PEOPLE

HALL NOTE '82'
6'-10" CLEAR OPENING
EGRESS CAPACITY
82"/.20" = 410 PEOPLE

HALL NOTE '89'
7'-5" CLEAR OPENING
EGRESS CAPACITY
89"/.20" = 445 PEOPLE

HALL NOTE '96'
8'-0" CLEAR OPENING
EGRESS CAPACITY
96"/.20" = 480 PEOPLE

HALL NOTE '111'
9'-3" CLEAR OPENING
EGRESS CAPACITY
111"/.20" = 555 PEOPLE

HALL NOTE '112'
9'-4" CLEAR OPENING
EGRESS CAPACITY
112"/.20" = 560 PEOPLE

HALL NOTE '116'
9'-8" CLEAR OPENING
EGRESS CAPACITY
116"/.20" = 580 PEOPLE

HALL NOTE '120'
10'-0" CLEAR OPENING
EGRESS CAPACITY
120"/.20" = 600 PEOPLE

HALL NOTE '136'
11'-4" CLEAR OPENING
EGRESS CAPACITY
136"/.20" = 680 PEOPLE

STAIR NOTE '44'
3'-8" CLEAR OPENING
EGRESS CAPACITY
44"/.30" = 146 PEOPLE

STAIR NOTE '46'
3'-10" CLEAR OPENING
EGRESS CAPACITY
46"/.30" = 153 PEOPLE

STAIR NOTE '47'
3'-11" CLEAR OPENING
EGRESS CAPACITY
47"/.30" = 156 PEOPLE

STAIR NOTE '48'
4'-0" CLEAR OPENING
EGRESS CAPACITY
48"/.30" = 160 PEOPLE

STAIR NOTE '54'
4'-6" CLEAR OPENING
EGRESS CAPACITY
54"/.30" = 180 PEOPLE

STAIR NOTE '57'
4'-9" CLEAR OPENING
EGRESS CAPACITY
57"/.30" = 190 PEOPLE

STAIR NOTE '60'
5'-0" CLEAR OPENING
EGRESS CAPACITY
60"/.30" = 200 PEOPLE

STAIR NOTE '68'
5'-8" CLEAR OPENING
EGRESS CAPACITY
68"/.30" = 227

Code Analysis

PER THE 2020 INTERNATIONAL BUILDING CODE (IBC) U.N.O.

USE GROUP CLASSIFICATION "E": EDUCATIONAL

OCCUPANT LOAD

SECTION 1004.5 - AREAS WITHOUT FIXED SEATING

OCCUPANCY LOADS WERE CALCULATED USING THE MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT AS INDICATED IN TABLE 1004.5.

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

STORAGE & MECHANICAL ROOMS	300	GROSS
ASSEMBLY:		
ASSEMBLY WITH FIXED SEATS	SECTION 1004.4	
CONCENTRATED (CHAIRS ONLY)	7	NET
STANDING SPACE	5	NET
UNCONCENTRATED (TABLES & CHAIRS)	15	NET
BUSINESS AREAS (OFFICES)	150	GROSS
EDUCATIONAL:		
CLASSROOMS	20	NET
SHOPS OR VOCATIONAL ROOMS	50	NET
EXERCISE ROOMS	50	GROSS
KITCHENS, COMMERCIAL	200	GROSS
LIBRARY		
READING ROOM	50	NET
STACKS	100	GROSS
LOCKER ROOMS	50	GROSS
STAGES AND PLATFORMS	15	NET

SECTION 1004.6 - FIXED SEATING
FOR AREAS HAVING FIXED SEATS AND AISLES, THE OCCUPANT LOAD SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN.

MEANS OF EGRESS SIZING

SECTION 1005
1005.3 REQUIRED CAPACITY BASED ON OCCUPANT LOAD
1005.3.1 STAIRWAYS
CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH STAIRWAYS BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.3 INCH PER OCCUPANT.

1005.3.2 OTHER EGRESS COMPONENTS
MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY EACH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT.

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS

SECTION 1006
1006.2.1 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE.
TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1

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

EXIT ACCESS

SECTION 1016
1016.2 EGRESS THROUGH INTERVENING SPACE
EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER.

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

EXIT ACCESS TRAVEL DISTANCE

SECTION 1017
"E" OCCUPANCY:
NOT TO EXCEED 200 FEET WITHOUT SPRINKLER SYSTEM

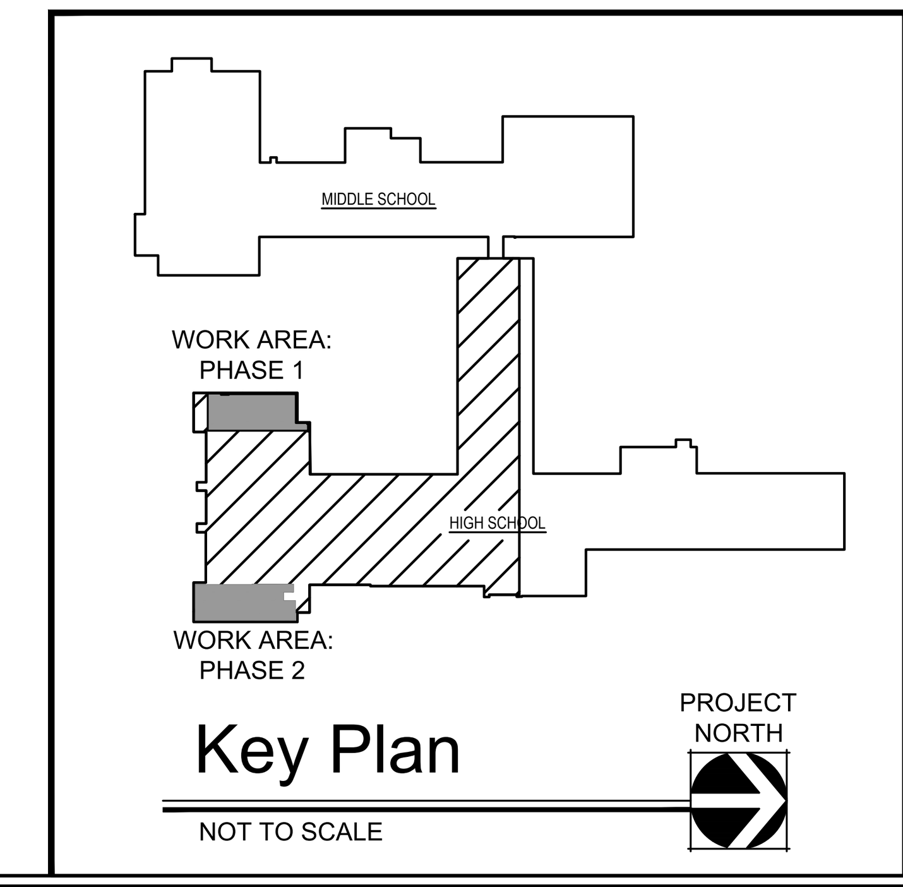
CORRIDORS

SECTION 1020
1020.1 CORRIDOR FIRE-RESISTANCE RATING:
"E" OCCUPANCY
1 HOUR WITHOUT A SPRINKLER SYSTEM

1020.2 MINIMUM CORRIDOR WIDTH

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

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



Key Plan

NOT TO SCALE

SED PROJECT #66-08-01-06-0-005-020

EGRESS PLAN - 1ST FLOOR SOUTH

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

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MICHAEL J. McGOVERN, R.A.
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Date	9/25/20
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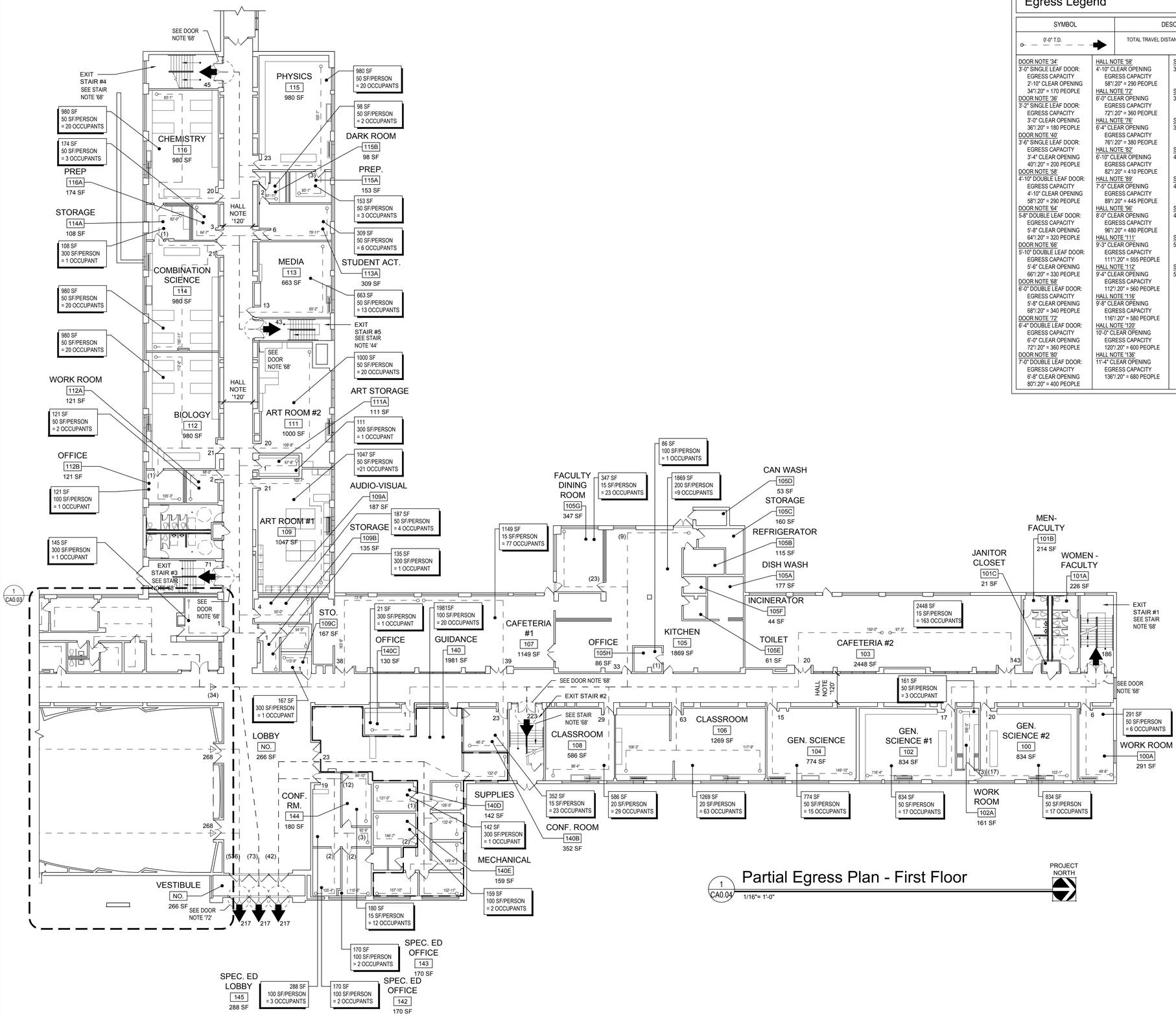
Drawn	TH

Revisions:
BID CONFORMANCE SET
11/20/20

Job No. 4.1449.08
File No. 4144908CA002

CA0.03



Egress Legend

SYMBOL	DESCRIPTION
o- — — — — — — →	TOTAL TRAVEL DISTANCE (T.D.). 0'-0" T.D.

DOOR NOTE '34'
3'-0" SINGLE LEAF DOOR:
EGRESS CAPACITY
2"-10" CLEAR OPENING
34"/.20" = 170 PEOPLE

DOOR NOTE '36'
3'-2" SINGLE LEAF DOOR:
EGRESS CAPACITY
3'-0" CLEAR OPENING
36"/.20" = 180 PEOPLE

DOOR NOTE '40'
3'-6" SINGLE LEAF DOOR:
EGRESS CAPACITY
3'-4" CLEAR OPENING
40"/.20" = 200 PEOPLE

DOOR NOTE '58'
4'-10" DOUBLE LEAF DOOR:
EGRESS CAPACITY
4'-10" CLEAR OPENING
58"/.20" = 290 PEOPLE

DOOR NOTE '64'
5-8" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-8" CLEAR OPENING
64"/.20" = 320 PEOPLE

DOOR NOTE '66'
5'-10" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-6" CLEAR OPENING
66"/.20" = 330 PEOPLE

DOOR NOTE '68'
6'-0" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-8" CLEAR OPENING
68"/.20" = 340 PEOPLE

DOOR NOTE '72'
6'-4" DOUBLE LEAF DOOR:
EGRESS CAPACITY
6'-0" CLEAR OPENING
72"/.20" = 360 PEOPLE

DOOR NOTE '80'
7'-0" DOUBLE LEAF DOOR:
EGRESS CAPACITY
6'-8" CLEAR OPENING
80"/.20" = 400 PEOPLE

HALL NOTE '58'
4'-10" CLEAR OPENING
EGRESS CAPACITY
58"/.20" = 290 PEOPLE

HALL NOTE '72'
6'-0" CLEAR OPENING
EGRESS CAPACITY
72"/.20" = 360 PEOPLE

HALL NOTE '76'
6'-4" CLEAR OPENING
EGRESS CAPACITY
76"/.20" = 380 PEOPLE

HALL NOTE '82'
6'-10" CLEAR OPENING
EGRESS CAPACITY
82"/.20" = 410 PEOPLE

HALL NOTE '89'
7'-5" CLEAR OPENING
EGRESS CAPACITY
89"/.20" = 445 PEOPLE

HALL NOTE '96'
8'-0" CLEAR OPENING
EGRESS CAPACITY
96"/.20" = 480 PEOPLE

HALL NOTE '111'
9'-3" CLEAR OPENING
EGRESS CAPACITY
111"/.20" = 555 PEOPLE

HALL NOTE '112'
9'-4" CLEAR OPENING
EGRESS CAPACITY
112"/.20" = 560 PEOPLE

HALL NOTE '116'
9'-8" CLEAR OPENING
EGRESS CAPACITY
116"/.20" = 580 PEOPLE

HALL NOTE '120'
10'-0" CLEAR OPENING
EGRESS CAPACITY
120"/.20" = 600 PEOPLE

HALL NOTE '136'
11'-4" CLEAR OPENING
EGRESS CAPACITY
136"/.20" = 680 PEOPLE

STAIR NOTE '44'
3'-8" CLEAR OPENING
EGRESS CAPACITY
44"/.30" = 146 PEOPLE

STAIR NOTE '46'
3'-10" CLEAR OPENING
EGRESS CAPACITY
46"/.30" = 153 PEOPLE

STAIR NOTE '47'
3'-11" CLEAR OPENING
EGRESS CAPACITY
47"/.30" = 156 PEOPLE

STAIR NOTE '48'
4'-0" CLEAR OPENING
EGRESS CAPACITY
48"/.30" = 160 PEOPLE

STAIR NOTE '54'
4'-6" CLEAR OPENING
EGRESS CAPACITY
54"/.30" = 180 PEOPLE

STAIR NOTE '57'
4'-9" CLEAR OPENING
EGRESS CAPACITY
57"/.30" = 190 PEOPLE

STAIR NOTE '60'
5'-0" CLEAR OPENING
EGRESS CAPACITY
60"/.30" = 200 PEOPLE

STAIR NOTE '68'
5'-8" CLEAR OPENING
EGRESS CAPACITY
68"/.30" = 227

Code Analysis

PER THE 2020 INTERNATIONAL BUILDING CODE (IBC) U.N.O.

USE GROUP CLASSIFICATION "E": EDUCATIONAL

OCCUPANT LOAD
SECTION 1004.5 - AREAS WITHOUT FIXED SEATING
OCCUPANCY LOADS WERE CALCULATED USING THE MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT AS INDICATED IN TABLE 1004.5.

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

STORAGE & MECHANICAL ROOMS	300	GROSS
ASSEMBLY:		
ASSEMBLY WITH FIXED SEATS	SECTION 1004.4	
CONCENTRATED (CHAIRS ONLY)	7	NET
STANDING SPACE	5	NET
UNCONCENTRATED (TABLES & CHAIRS)	15	NET
BUSINESS AREAS (OFFICES)	150	GROSS
EDUCATIONAL:		
CLASSROOMS	20	NET
SHOPS OR VOCATIONAL ROOMS	50	NET
EXERCISE ROOMS	50	GROSS
KITCHENS, COMMERCIAL	200	GROSS
LIBRARY		
READING ROOM	50	NET
STACKS	100	GROSS
LOCKER ROOMS	50	GROSS
STAGES AND PLATFORMS	15	NET

SECTION 1004.6 - FIXED SEATING
FOR AREAS HAVING FIXED SEATS AND AISLES, THE OCCUPANT LOAD SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN.

MEANS OF EGRESS SIZING
SECTION 1005
1005.3 REQUIRED CAPACITY BASED ON OCCUPANT LOAD
1005.3.1 STAIRWAYS
CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH STAIRWAYS BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.3 INCH PER OCCUPANT.

1005.3.2 OTHER EGRESS COMPONENTS
MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY EACH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT.

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
SECTION 1006
1006.2.1 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE.
TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1

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

EXIT ACCESS
SECTION 1016
1016.2 EGRESS THROUGH INTERVENING SPACE
EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER.

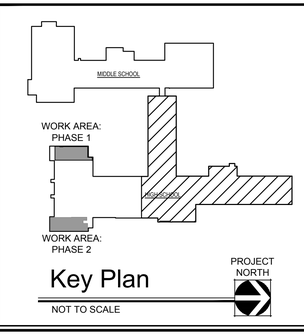
EGRESS SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, CLOSETS OR SPACES USED FOR SIMILAR PURPOSES.

EXIT ACCESS TRAVEL DISTANCE
SECTION 1017
"E" OCCUPANCY:
NOT TO EXCEED 200 FEET WITHOUT SPRINKLER SYSTEM

CORRIDORS
SECTION 1020
1020.1 CORRIDOR FIRE-RESISTANCE RATING:
"E" OCCUPANCY
1 HOUR WITHOUT A SPRINKLER SYSTEM

1020.2 MINIMUM CORRIDOR WIDTH
MINIMUM CORRIDOR WIDTH UNLESS OTHERWISE NOTED: 44"
WITH AN OCCUPANT LOAD OF LESS THAN 50: 36"
GROUP "E" WITH A CORRIDOR SERVING MORE THAN 100: 72"

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



Date	9/25/20
Checked	MTM
Drawn	TH

REGISTERED ARCHITECT MICHAEL J. McGOVERN STATE OF NEW YORK 022257

MICHAEL J. McGOVERN, R.A. — License No. 022257-1 — Title: REGISTERED ARCHITECT

Revisions:
BID CONFORMANCE SET 11/20/20

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SED PROJECT #66-08-01-06-0-005-020

EGRESS PLAN - 1ST FLOOR NORTH
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08
File No. 4144908CA002

CA0.04

Egress Legend

SYMBOL	DESCRIPTION
0'-0" T.D. (dashed line with arrow)	TOTAL TRAVEL DISTANCE (T.D.),

DOOR NOTE '34'
3'-0" SINGLE LEAF DOOR:
EGRESS CAPACITY
2'-10" CLEAR OPENING
34"/.20" = 170 PEOPLE

DOOR NOTE '36'
3'-2" SINGLE LEAF DOOR:
EGRESS CAPACITY
3'-0" CLEAR OPENING
36"/.20" = 180 PEOPLE

DOOR NOTE '40'
3'-6" SINGLE LEAF DOOR:
EGRESS CAPACITY
3'-4" CLEAR OPENING
40"/.20" = 200 PEOPLE

DOOR NOTE '58'
4'-10" DOUBLE LEAF DOOR:
EGRESS CAPACITY
4'-10" CLEAR OPENING
58"/.20" = 290 PEOPLE

DOOR NOTE '64'
5-8" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-8" CLEAR OPENING
64"/.20" = 320 PEOPLE

DOOR NOTE '66'
5'-10" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-6" CLEAR OPENING
66"/.20" = 330 PEOPLE

DOOR NOTE '68'
6'-0" DOUBLE LEAF DOOR:
EGRESS CAPACITY
5'-8" CLEAR OPENING
68"/.20" = 340 PEOPLE

DOOR NOTE '72'
6'-4" DOUBLE LEAF DOOR:
EGRESS CAPACITY
6'-0" CLEAR OPENING
72"/.20" = 360 PEOPLE

DOOR NOTE '80'
7'-0" DOUBLE LEAF DOOR:
EGRESS CAPACITY
6'-8" CLEAR OPENING
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HALL NOTE '58'
4'-10" CLEAR OPENING
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EGRESS CAPACITY
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HALL NOTE '82'
6'-10" CLEAR OPENING
EGRESS CAPACITY
82"/.20" = 410 PEOPLE

HALL NOTE '89'
7'-5" CLEAR OPENING
EGRESS CAPACITY
89"/.20" = 445 PEOPLE

HALL NOTE '96'
8'-0" CLEAR OPENING
EGRESS CAPACITY
96"/.20" = 480 PEOPLE

HALL NOTE '111'
9'-3" CLEAR OPENING
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111"/.20" = 555 PEOPLE

HALL NOTE '112'
9'-4" CLEAR OPENING
EGRESS CAPACITY
112"/.20" = 560 PEOPLE

HALL NOTE '116'
9'-8" CLEAR OPENING
EGRESS CAPACITY
116"/.20" = 580 PEOPLE

HALL NOTE '120'
10'-0" CLEAR OPENING
EGRESS CAPACITY
120"/.20" = 600 PEOPLE

HALL NOTE '136'
11'-4" CLEAR OPENING
EGRESS CAPACITY
136"/.20" = 680 PEOPLE

STAIR NOTE '44'
3'-8" CLEAR OPENING
EGRESS CAPACITY
44"/.30" = 146 PEOPLE

STAIR NOTE '46'
3'-10" CLEAR OPENING
EGRESS CAPACITY
46"/.30" = 153 PEOPLE

STAIR NOTE '47'
3'-11" CLEAR OPENING
EGRESS CAPACITY
47"/.30" = 156 PEOPLE

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4'-0" CLEAR OPENING
EGRESS CAPACITY
48"/.30" = 160 PEOPLE

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EGRESS CAPACITY
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STAIR NOTE '57'
4'-9" CLEAR OPENING
EGRESS CAPACITY
57"/.30" = 190 PEOPLE

STAIR NOTE '60'
5'-0" CLEAR OPENING
EGRESS CAPACITY
60"/.30" = 200 PEOPLE

STAIR NOTE '68'
5'-8" CLEAR OPENING
EGRESS CAPACITY
68"/.30" = 227

Code Analysis

PER THE 2020 INTERNATIONAL BUILDING CODE (IBC) U.N.O.

USE GROUP CLASSIFICATION "E": EDUCATIONAL

OCCUPANT LOAD
SECTION 1004.5 - AREAS WITHOUT FIXED SEATING
OCCUPANCY LOADS WERE CALCULATED USING THE MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT AS INDICATED IN TABLE 1004.5.

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

STORAGE & MECHANICAL ROOMS	300	GROSS
ASSEMBLY:		
ASSEMBLY WITH FIXED SEATS	SECTION 1004.4	
CONCENTRATED (CHAIRS ONLY)	7	NET
STANDING SPACE	5	NET
UNCONCENTRATED (TABLES & CHAIRS)	15	NET
BUSINESS AREAS (OFFICES)	150	GROSS
EDUCATIONAL:		
CLASSROOMS	20	NET
SHOPS OR VOCATIONAL ROOMS	50	NET
EXERCISE ROOMS	50	GROSS
KITCHENS, COMMERCIAL	200	GROSS
LIBRARY		
READING ROOM	50	NET
STACKS	100	GROSS
LOCKER ROOMS	50	GROSS
STAGES AND PLATFORMS	15	NET

SECTION 1004.6 - FIXED SEATING
FOR AREAS HAVING FIXED SEATS AND AISLES, THE OCCUPANT LOAD SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN.

MEANS OF EGRESS SIZING
SECTION 1005
1005.3 REQUIRED CAPACITY BASED ON OCCUPANT LOAD
1005.3.1 STAIRWAYS
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1005.3.2 OTHER EGRESS COMPONENTS
MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY EACH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT.

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
SECTION 1006
1006.2.1 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE.
TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1

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

EXIT ACCESS
SECTION 1016
1016.2 EGRESS THROUGH INTERVENING SPACE
EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER.

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

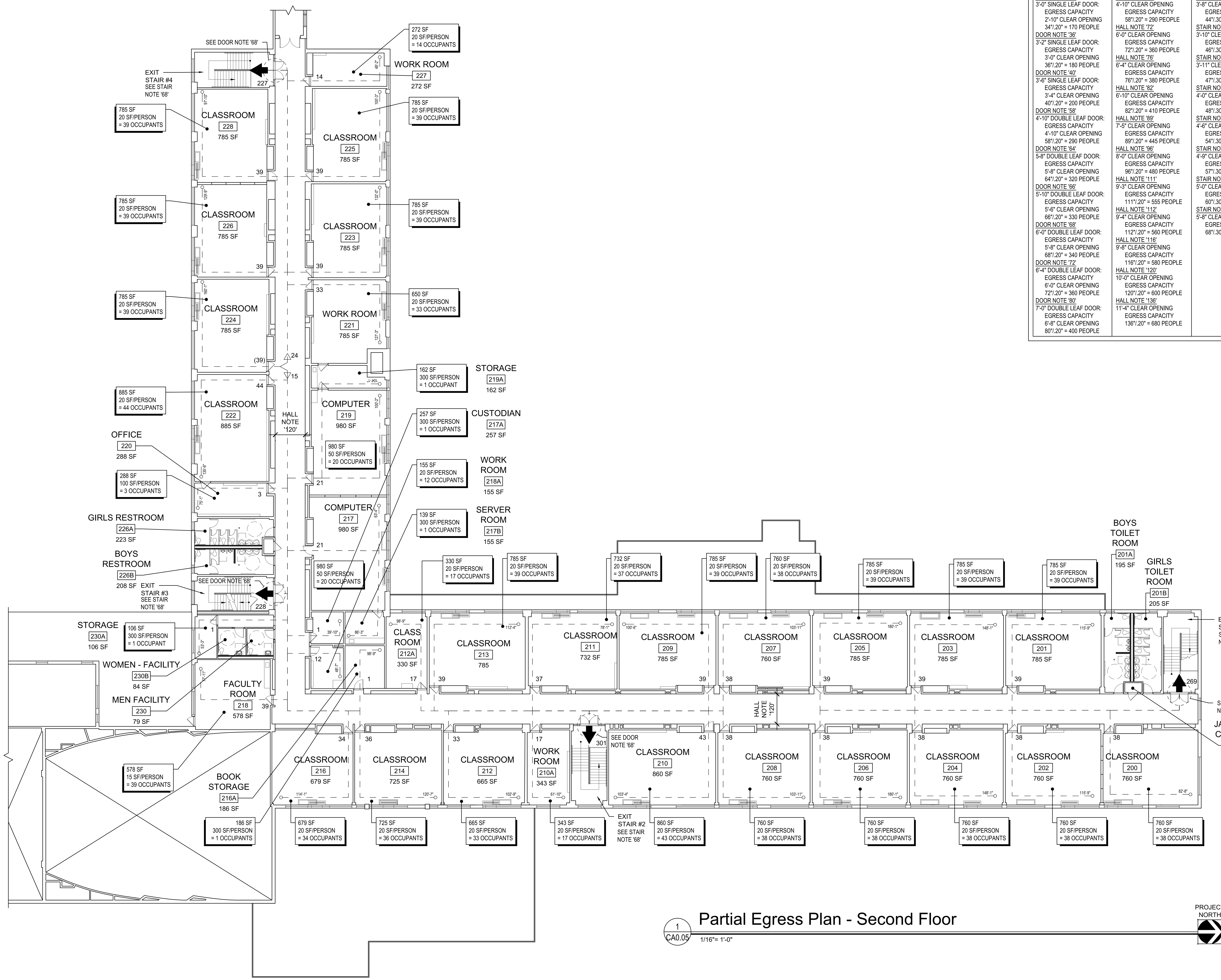
EXIT ACCESS TRAVEL DISTANCE
SECTION 1017
"E" OCCUPANCY:
NOT TO EXCEED 200 FEET WITHOUT SPRINKLER SYSTEM

CORRIDORS
SECTION 1020
1020.1 CORRIDOR FIRE-RESISTANCE RATING:
"E" OCCUPANCY
1 HOUR WITHOUT A SPRINKLER SYSTEM

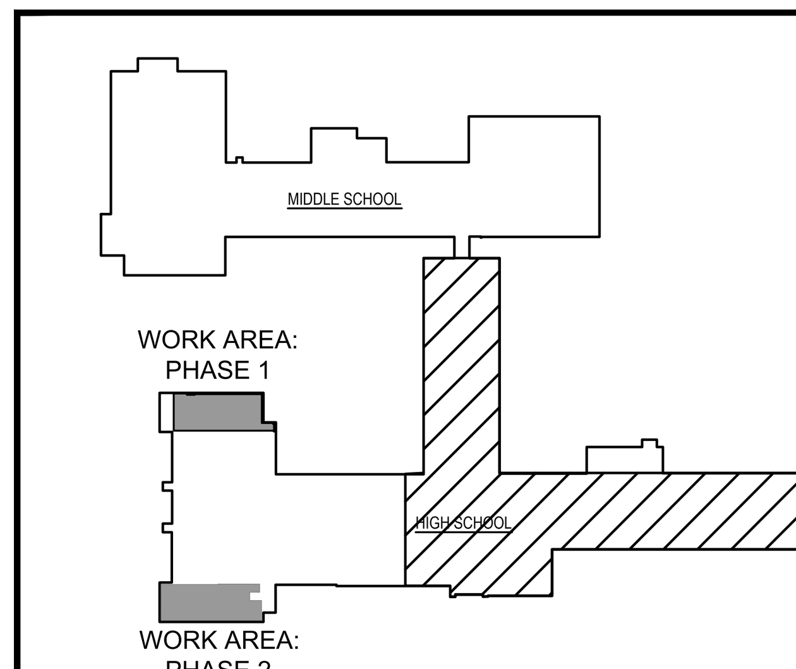
1020.2 MINIMUM CORRIDOR WIDTH

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

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



Partial Egress Plan - Second Floor
1 CA0.05
1/16"= 1'-0"



Key Plan
NOT TO SCALE

Date	9/25/20
Checked	MTM
Drawn	TH

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

Revisions:
BID CONFORMANCE SET
11/20/20

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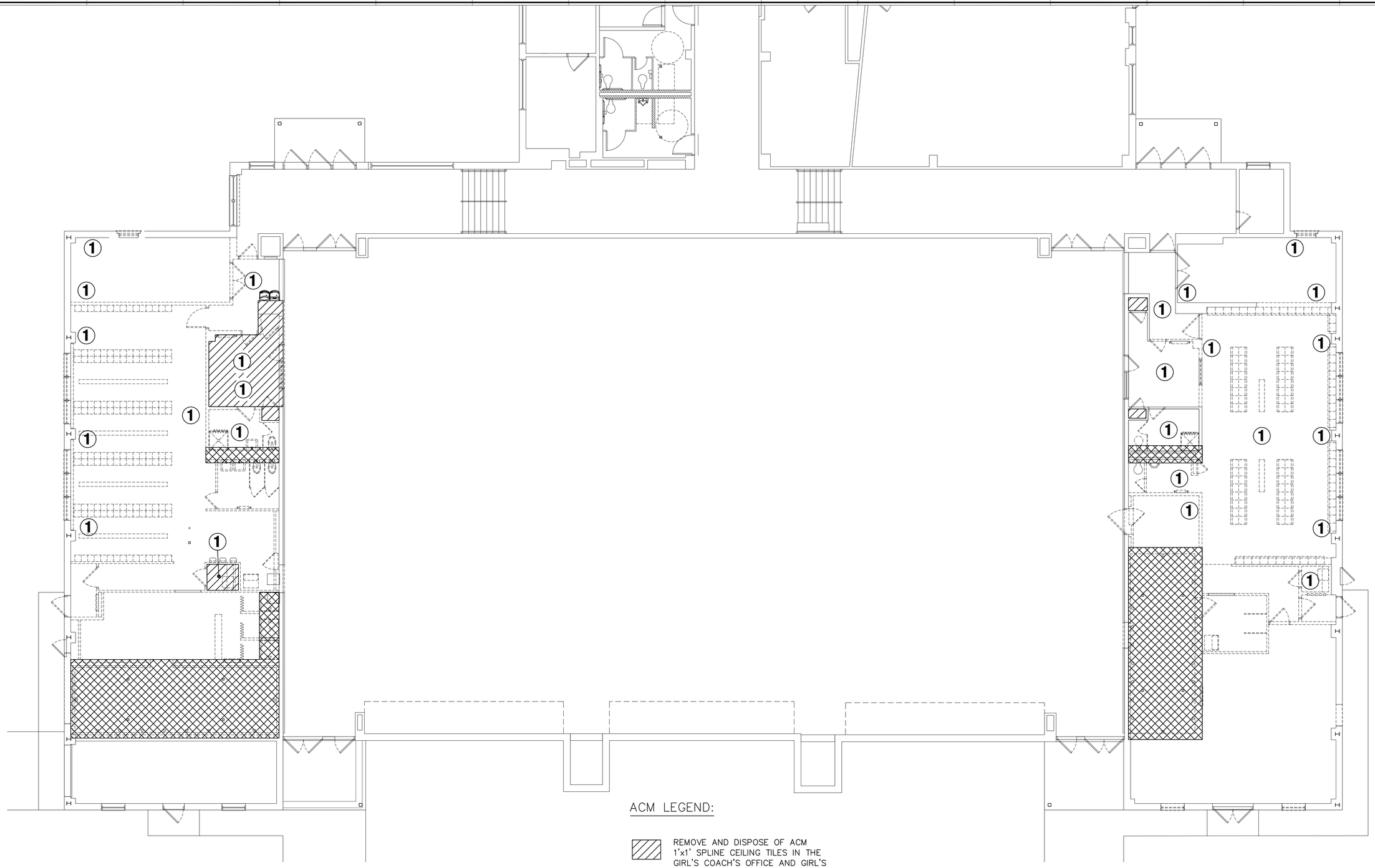
SED PROJECT #66-08-01-06-0-005-020

EGRESS PLAN - SECOND FLOOR
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08
File No. 4144909CA002

CA0.05



ACM LEGEND:

REMOVE AND DISPOSE OF ACM 1'x1' SPLINE CEILING TILES IN THE GIRL'S COACH'S OFFICE AND GIRL'S JANITORIAL CLOSET

1 REMOVE AND DISPOSE OF MUDDED JOINT PACKING (MJP) ABOVE SUSPENDED CEILING TILES AND PLASTER CEILINGS.

REMOVE AND DISPOSE OF MUDDED JOINT PACKING AND ASSOCIATED PIPE INSULATION CONTAINED WITHIN WALL CAVITY.

SEE SPECIFICATION SECTION #3.17 FOR DETAILS.

Date	6/19/20
Checked	GD
Drawn	JP

ANTHONY N. MELUSO
Title: Professional Engineer License No. 067937

Revisions:

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ASBESTOS REMOVAL PLAN
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

NYSED # 66-08-01-06-0-005-020

Job No. 4.1449.08

File No.

ASB 1.01

QuES&T
Quality Environmental Solutions & Technologies, Inc.
1376 Route 9
Wappingers Falls, NY 12590
Phone: 845.298.6031
Fax: 845. 298.6251

C:\Users\bholmes\Desktop\quest\2020\West Lake HS - greg\4144908_WestlakeHSMS_03_MS-3rd_HS-1st.dwg, Work, 4/2/2020 1:05:40 PM, bholmes

Legend (REFER TO DEMOLITION FLOOR PLANS)

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

Notes

GENERAL:

1. DIMENSIONS ARE FROM FACE OF FINISH MATERIALS (+/-).
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS.
3. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING OR SUPPORT TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF AREAS TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN.
4. THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES ONLY WITHIN THE ALLOWABLE HOURS OF OPERATION.
5. CONTRACTOR IS REQUIRED TO PATCH (TO MATCH EXISTING), IMMEDIATELY AFTER REMOVAL, ALL WALL, FLOOR & CEILING OPENINGS WHERE EXISTING PIPE, DUCT, CONVECTORS, ETC. ARE BEING REMOVED. SEAL OPENING WITH 3 HOUR BARRIER CAULK AS PER FIRESTOPPING SPECIFICATIONS. REFER TO FIRESTOPPING DETAILS ON SHEET A8.01 FOR ADDITIONAL INFORMATION.

MULTIPLE PRIME RESPONSIBILITIES:

1. ABBREVIATIONS FOR PRIME CONTRACTS ARE AS FOLLOWS:
   1.1. GC - GENERAL CONTRACTOR,
   1.2. MC - MECHANICAL CONTRACTOR,
   1.3. PC - PLUMBING CONTRACTOR,
   1.4. EC - ELECTRICAL CONTRACTOR.
2. reserved
3. ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR REVIEWING DEMOLITION NOTES ON A1.00 AS WELL AS ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DEMOLITION PLANS.
4. ALL MECHANICAL, ELECTRICAL, AND PLUMBING DISCONNECTS AND REMOVALS ARE TO BE PERFORMED BY THE RESPECTIVE PRIME CONTRACTOR.
5. ALL FLOOR CUTTING AND TRENCHING FOR IN-SLAB PLUMBING WORK SHALL BE PERFORMED BY THE PLUMBING CONTRACTOR. NEW SLAB INFILL SHALL BE PERFORMED BY PLUMBING CONTRACTOR AS PER FLOOR INFILL DETAILS ON STRUCTURAL DRAWINGS.
6. ALL REFERENCES TO "CONTRACTOR" IN NOTES SHALL REFER TO THE PRIME CONTRACTOR RESPONSIBLE FOR DRAWING SERIES THE NOTE IS FOUND ON UNLESS NOTED OTHERWISE.

HAZARDOUS MATERIALS:

2. **LEAD:** THE GENERAL CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 020010 - LEAD ABATEMENT PROCEDURES.
3. **ASBESTOS:** THE GENERAL CONTRACTOR SHALL PERFORM ASBESTOS ABATEMENT IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATION SECTION 028200 FOR ASBESTOS ABATEMENT PROCEDURES.

Demolition Key Notes

SYMBOL INDICATES DEMOLITION KEY NOTE

1. GC TO REMOVE EXISTING DOOR, HINGES, AND CLOSER AND DISCARD IN AN APPROVED MANNER. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
2. GC TO REMOVE EXISTING INTERIOR WINDOW AND FRAME AND DISCARD IN AN APPROVED MANNER. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
3. GC TO REMOVE EXISTING INTERIOR WALL AND DOOR FRAME CONSTRUCTION COMPLETELY OR TO DIMENSIONS SHOWN ON PLAN. INCLUDING WALL FINISH, TILE, ELECTRICAL OUTLETS, SWITCHES, ETC. TERMINATE IN ACCORDANCE WITH N.E.C REQUIREMENTS BY EC. GC TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION. GC TO DISPOSE OF DEMOLISHED DEBRIS IN AN APPROVED MANNER.
4. GC TO REMOVE A PORTION OF THE EXISTING INTERIOR OR EXTERIOR WALL CONSTRUCTION TO ACCOMMODATE NEW DOOR OR WINDOW OPENING. GC TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION. GC TO DISPOSE OF DEMOLISHED DEBRIS IN AN APPROVED MANNER.
5. GC TO REMOVE EXISTING METAL ACCESS DOOR AND FRAME. REFER TO PLUMBING PLANS FOR WATER FOUNTAIN DEMOLITION.
6. GC TO SAW CUT MASONRY WALL AND PREP OPENING AS REQUIRED COORDINATE ALL WORK WITH PROPOSED / SCHEDULED WORK.
7. GC TO REMOVE EXISTING EXTERIOR WINDOW SYSTEM / LOUVER AND ALL ASSOCIATED HARDWARE PREPARE OPENING FOR SCHEDULED WORK
8. GC TO REMOVE, SALVAGE AND MODIFY EXISTING WALL PADS - COORDINATE SIZING WITH WALL LAYOUT.
9. GC TO REMOVE EXISTING TOILET ROOM ACCESSORIES AND TURN OVER TO OWNER INCLUDING BUT NOT LIMITED TO, TOILET PAPER DISPENSERS, PAPER TOWEL DISPENSERS, AUTOMATIC HAND DRYERS, SOAP DISPENSERS, MIRRORS, GRAB BARS, SHELVES AND AIR FRESHENERS. REMOVE ANY ASSOCIATED HARDWARE, FASTENERS, OR MOUNTING APPARATUS COMPLETELY.
10. GC TO DEMO EXISTING CERAMIC FLOOR TILE, VINYL TILE AND RUBBER FLOOR AND PREPARE IN ACCORDANCE WITH THE NEW FLOOR FINISH MANUFACTURERS PREPARATION REQUIREMENTS. EXISTING TILE FLOORS; TILE, MORTAR, AND BASE MUST BE REMOVED AND SUB FLOOR PREPARED FOR NEW FLOORING. GC IS RESPONSIBLE TO INFILL AND PATCH ANY UNEVEN SURFACES REQUIRED TO PROVIDE A LEVEL SUBFLOOR BELOW THE NEW FLOOR FINISH AND MAINTAIN EXISTING FLOOR ELEVATION. DASH PATCH UNEVEN AREAS AS NEEDED WITH ARDEX SD-P TO PROVIDE FLUSH, LEVEL SURFACE. USE OF SELF LEVELING COMPOUND SUCH AS ARDEX LU-100 MAY BE REQUIRED, PROVIDE UNIT PRICE ON BID FORM. FLOOR SHALL BE INFILLED IN ANY AREAS WHERE THERE IS NOT CURRENTLY A FLOOR SUCH AS IN EXISTING CHASES. REFER TO ROOM FINISH SCHEDULE FOR NEW FLOOR FINISH INFO.
11. GC TO PREPARE EXISTING PAINTED CONCRETE FLOOR IN ACCORDANCE WITH THE NEW FLOOR FINISH MANUFACTURERS PREPARATION REQUIREMENTS. IN ROOMS WITH PAINTED CONCRETE FLOORS; PAINT MUST BE REMOVED AND SUB FLOOR PREPARED FOR NEW FLOORING. GC IS RESPONSIBLE TO INFILL AND PATCH ANY UNEVEN SURFACES REQUIRED TO PROVIDE A LEVEL SUBFLOOR BELOW THE NEW FLOOR FINISH AND MAINTAIN EXISTING FLOOR ELEVATION. DASH PATCH UNEVEN AREAS AS NEEDED WITH ARDEX SD-P TO PROVIDE FLUSH, LEVEL SURFACE. USE OF SELF LEVELING COMPOUND SUCH AS ARDEX LU-100 MAY BE REQUIRED, PROVIDE UNIT PRICE ON BID FORM. FLOOR SHALL BE INFILLED IN ANY AREAS WHERE THERE IS NOT CURRENTLY A FLOOR SUCH AS IN EXISTING CHASES. REFER TO ROOM FINISH SCHEDULE FOR NEW FLOOR FINISH INFO.
12. REFER TO PLUMBING PLANS FOR REMOVAL OF EXISTING SHOWER HEAD, CONTROL VALVE AND ASSOCIATED PIPING IN SHOWER ROOM REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
13. PC TO REMOVE EXISTING SHOWER VALVE CABINET AND ASSOCIATED PIPING. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
14. GC TO REMOVE EXISTING TOILET/SHOWER PARTITIONS, DOORS AND HARDWARE IN FULL.
15. GC SHALL REMOVE AND DISPOSE OF EXISTING BUILT IN BENCH & METAL LOCKERS IN FULL INCLUDING METAL SLOPED TOP, METAL BASE, MASONRY/CONCRETE BASE, AS APPLIES, BLANK PANELS, AND MIRRORED SOFFIT ABOVE WHERE IT APPLIES, ETC.
16. GC SHALL REMOVE AND DISPOSE OF EXISTING RAISED CONCRETE AND TILE SHOWER BASIN IN FULL. PC TO REMOVE EXISTING FLOOR DRAINS AND ASSOCIATED PLUMBING LINES AS REQUIRED. CAP BELOW CONCRETE FLOOR OR PREPARE FOR REUSE, AS REQUIRED PER THE PROPOSED PLANS. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION.
17. GC TO REMOVE PORTION OF EXISTING EXTERIOR WALL CONSTRUCTION TO DIMENSIONS SHOWN ON PLAN AND ACCORDING TO SECTIONS, DETAILS AND STRUCTURAL DRAWINGS. GC TO TOOTH IN NEW MASONRY AS PER PROPOSED PLANS. GC TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION. GC TO DISPOSE OF DEMOLISHED DEBRIS IN AN APPROVED MANNER.
18. REFER TO PLUMBING PLANS FOR REMOVAL OF TOILET FIXTURES.
19. GC TO REMOVE EXISTING LOOSE FURNITURE AND SHELVING. COORDINATE DISPOSAL OR SALVAGE WITH OWNER.
20. GC TO DISCONNECT AND MOVE EXISTING ICE MACHINE. COORDINATE NEW LOCATION WITH OWNER.
21. GC SHALL REMOVE EXISTING ACOUSTIC TILE SUSPENDED CEILING INCLUDING CEILING TILE, FIELD GRID & PERIMETER ANGLE. REPAIR WALLS TO BE REUSED, THAT ARE DAMAGED BY REMOVAL, TO MATCH EXISTING. REFER TO ELECTRIC PLANS FOR REMOVAL OF LIGHTING FIXTURES, EXIT SIGNS AND OTHER DEVICES. REFER TO MECHANICAL PLANS FOR REMOVAL OF AIR INTAKE AND SUPPLY DIFFUSERS, ETC.
22. GC TO REMOVE EXISTING PLASTER CEILING, ASSOCIATED FRAMING, FASTENERS, METAL LATHE & ACCESS PANELS. REPAIR WALLS TO BE REUSED, THAT ARE DAMAGED BY REMOVAL, TO MATCH EXISTING. REFER TO ELECTRIC PLANS FOR REMOVAL OF LIGHTING FIXTURES, EXIT SIGNS AND OTHER DEVICES. REFER TO MECHANICAL PLANS FOR REMOVAL OF AIR INTAKE AND SUPPLY DIFFUSERS, ETC.
23. REFER TO MECHANICAL PLANS TO REMOVE EXISTING WALL MOUNTED CONVECTOR/RADIATOR.
24. GC TO REMOVE EXISTING INTERIOR DOOR (FRAME TO REMAIN) AND SAVE FOR REUSE. REMOVE ALL OLD DOOR HINGES AND STRIKES FROM FRAME. SCRAPE EXISTING DOOR FRAME. FILL UNUSED HINGE MORTISE, STRIKE PLATES, AND ANY RECESSES OR DENTS WITH "BONDO" OR APPROVED FILLER AND SAND TO LIKE NEW CONDITION. EXISTING METAL FRAME TO BE PRIMED AND PAINTED. MODIFY EXISTING DOOR AND FRAME FOR REVERSED SWING. EXISTING DOOR TO BE REINSTALLED WITH NEW HINGES AND STRIKE.
25. GC TO REMOVE EXISTING WALL PADDING, BACKING CLIPS, AND ALL MASTIC / FASTENERS.
26. GC TO ENLARGE OPENINGS AS REQUIRED OR INFILL OPENING WITH LIKE MATERIALS TO MATCH EXISTING WALL CONSTRUCTION, FINISH TO MATCH EXISTING. REFER TO STRUCTURAL DRAWINGS FOR LINTEL REQUIREMENTS.
27. PC TO REMOVE EXISTING BOTTLE FILL STATION. COORDINATE DISPOSAL OR SALVAGE WITH OWNER.
28. GC TO DEMO PORTION OF EXISTING CHASE WALLS. FIELD VERIFY EXISTING PLUMBING, ELECTRIC, MECHANICAL AND RELOCATE AS REQUIRED.
29. PC TO DEMO PARTION OF EXISTING ROOF LEADER FROM ABOVE CEILING TO BELOW FLOOR SLAB.
30. GC TO DEMO FLOOR SLAB AND ROOF DRAIN PIPING IN AREA OF ROOF LEADER RELOCATION.
31. MC TO REMOVE EXISTING MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.
32. GC TO REMOVE ACM SPLINE CEILING IN FULL. ABATEMENT SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS. REFER TO ASBESTOS REMOVAL DRAWINGS FOR ADDITIONAL INFORMATION.

Date	9/25/20
Checked	MTM
Drawn	MTM

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

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

Revisions:

BID CONFORMANCE SET
11/20/20

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SED PROJECT #66-08-01-06-0-005-020

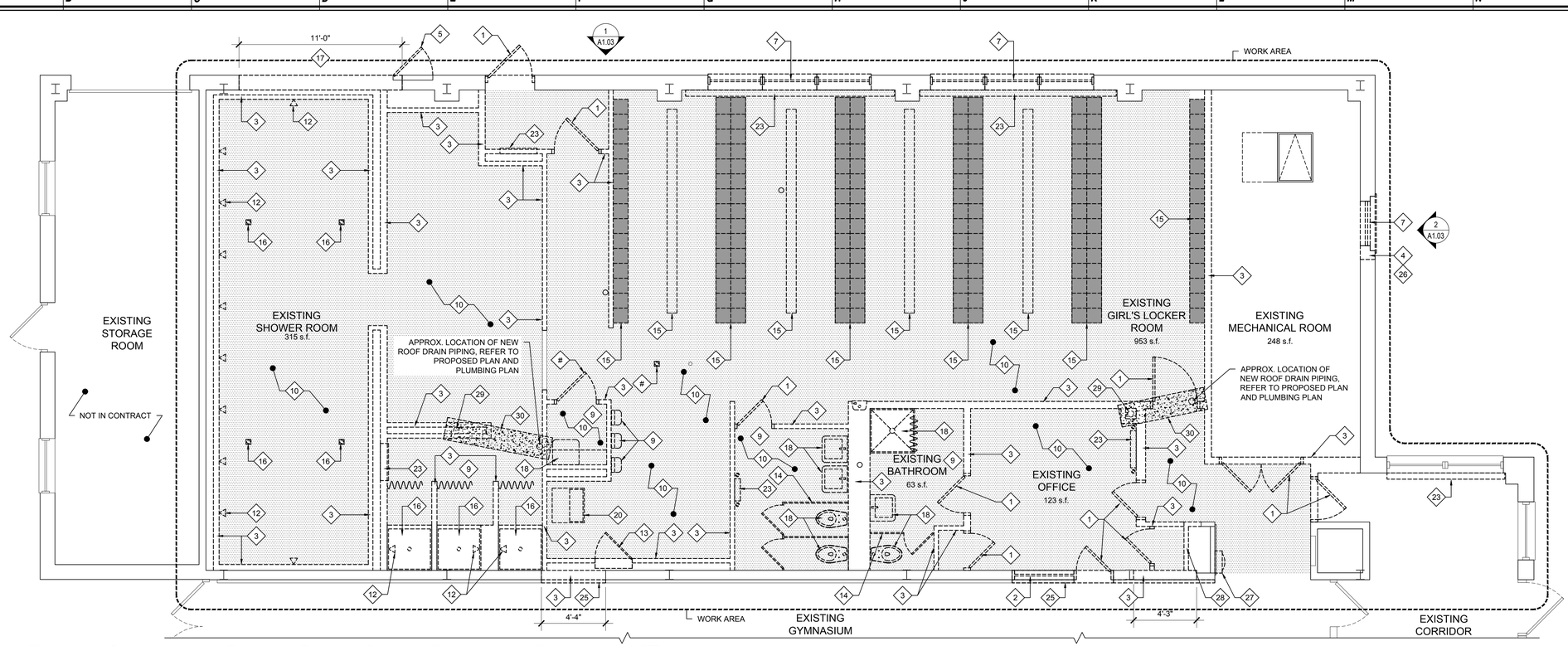
DEMOLITION KEY NOTES

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908A100

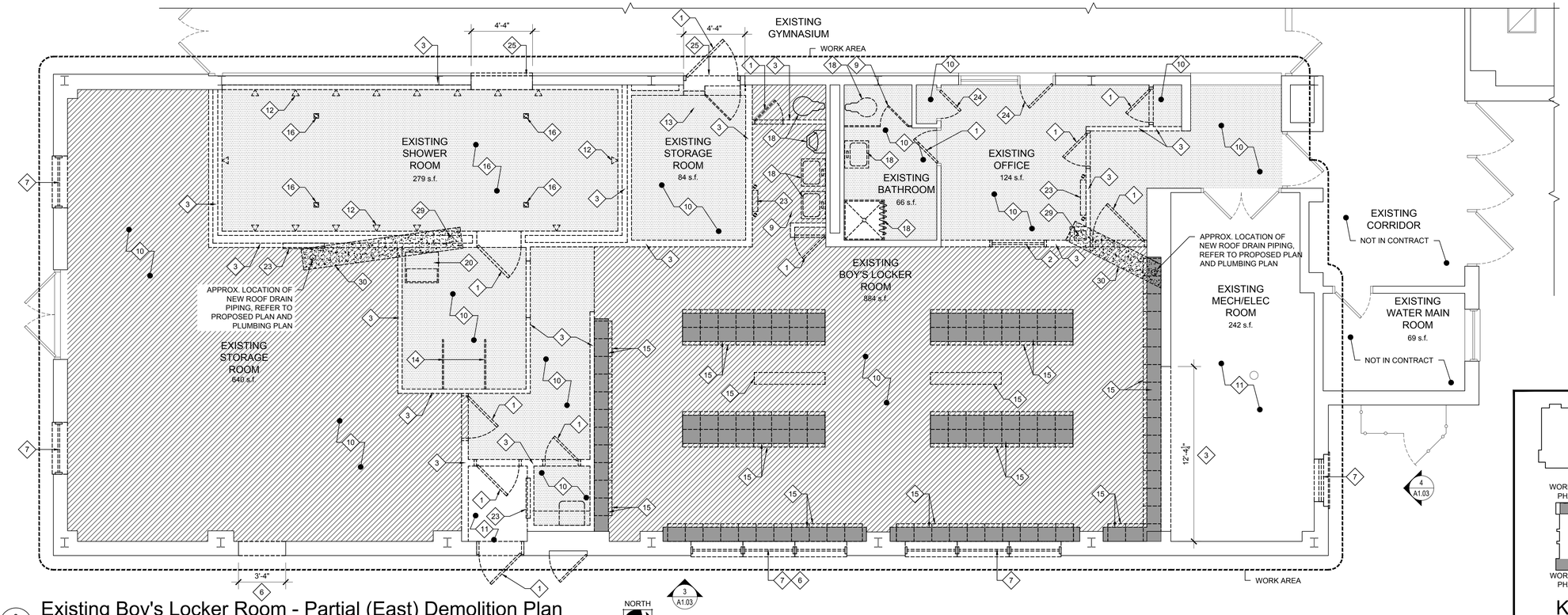
A1.00



1 A1.01 Existing Girl's Locker Room - Partial (West) Demolition Plan

1/4" = 1'-0"

NORTH



2 A1.01 Existing Boy's Locker Room - Partial (East) Demolition Plan

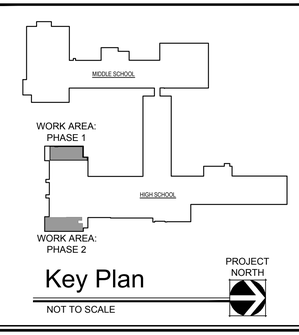
1/4" = 1'-0"

NORTH

REFER TO GENERAL NOTES ON SHEET T0.01

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

REFER TO DEMO KEY NOTES ON DWG A1.00



Key Plan

NOT TO SCALE

PROJECT NORTH

Date	9/25/20
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MICHAEL J. McGOVERN, R.A.
Title REGISTERED ARCHITECT
License No. 022257-1

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SED PROJECT #66-08-01-06-0-005-020

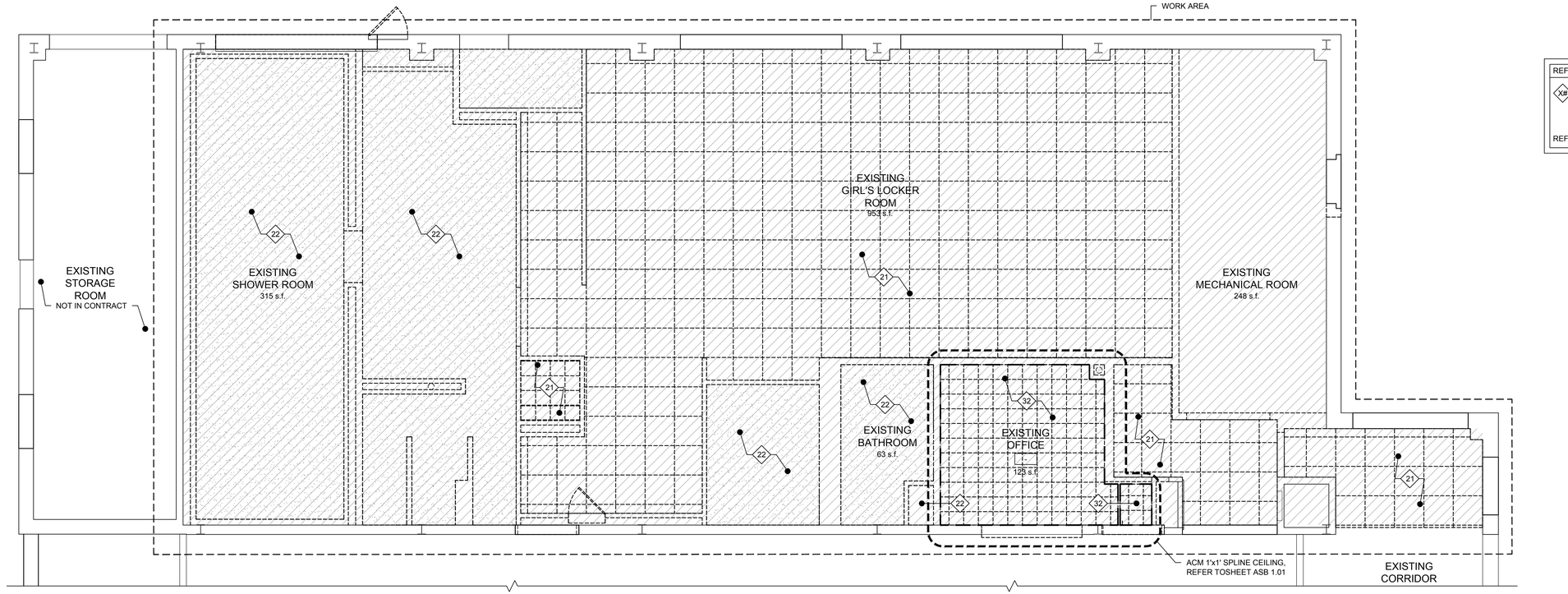
(WEST) PARTIAL 1ST FLOOR PLAN w/ DEMOLITION

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 41449\08A101

A1.01



1 A1.02 — Existing Girl's Locker Room - Partial (West) Reflected Ceiling Plan

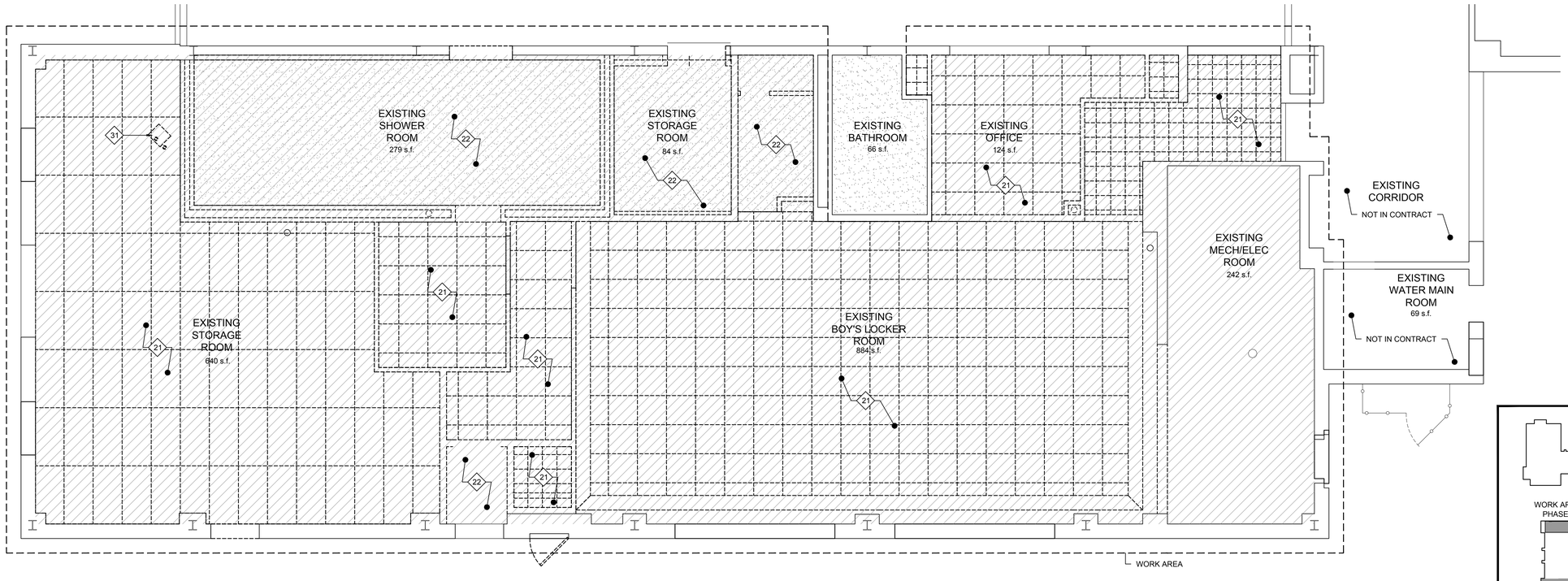
1/4" = 1'-0"

NORTH

REFER TO GENERAL NOTES ON SHEET T0.01

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

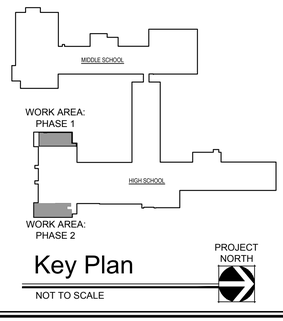
REFER TO DEMO KEY NOTES ON DWG A1.00



2 A1.02 — Existing Boy's Locker Room - Partial (East) Reflected Ceiling Plan

1/4" = 1'-0"

NORTH



Key Plan

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PROJECT NORTH

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REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.

License No. 022257-1

Title REGISTERED ARCHITECT

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REFLECTED CEILING PLAN w/ DEMO

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

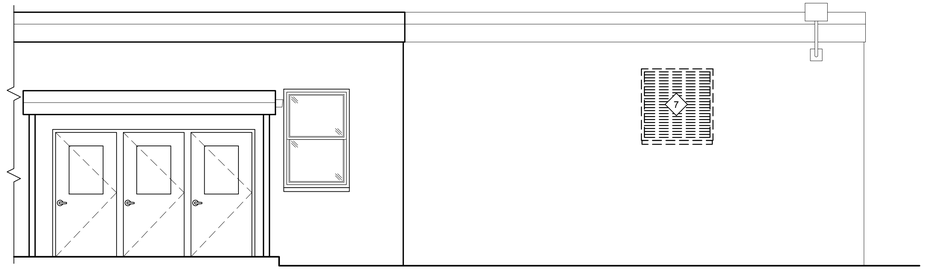
SED PROJECT #66-08-01-06-0-005-020

Job No. 4.1449.08

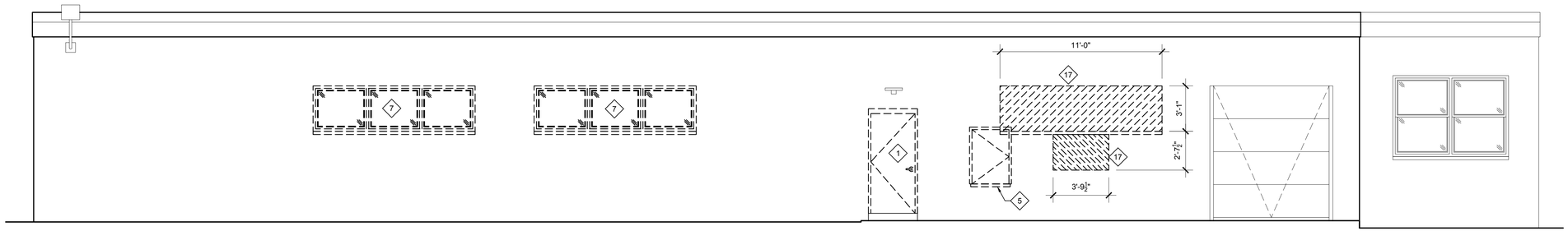
File No. 4144908A102

A1.02

4 A1.03 Partial Elevation - Demo
1/4" = 1'-0"



5 A1.03 Partial Elevation - Proposed
1/4" = 1'-0"



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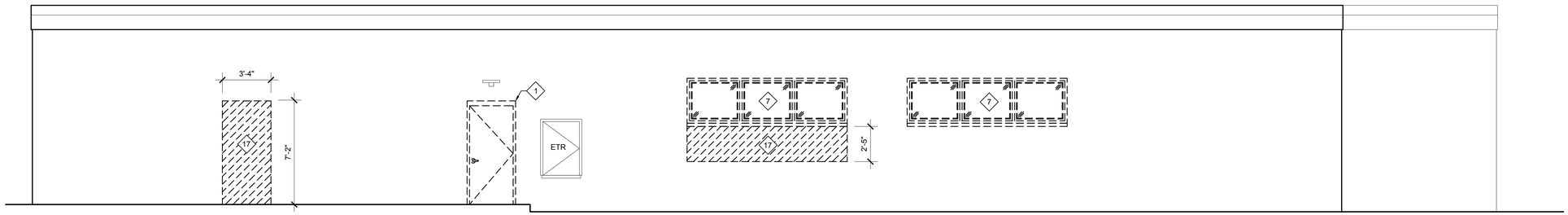
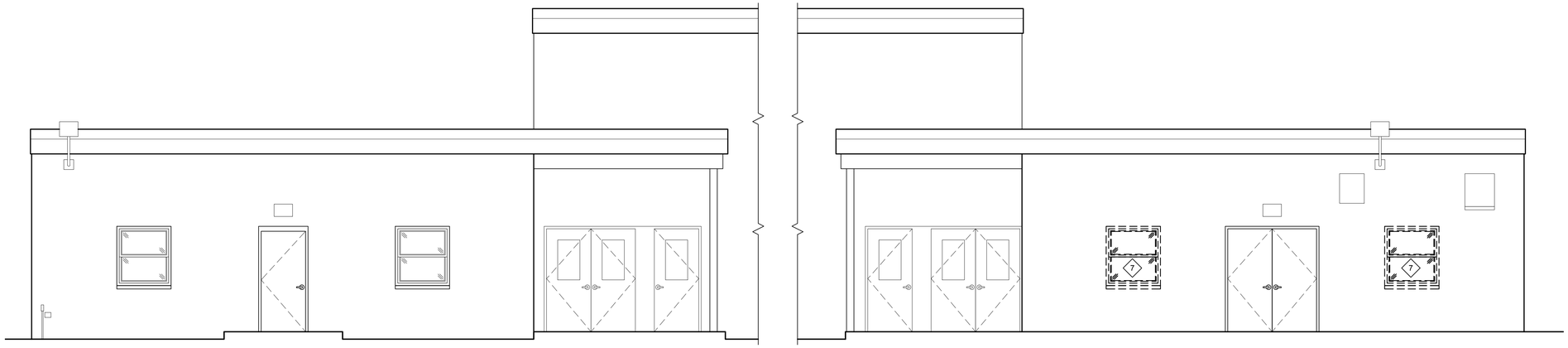
1/4" = 1'-0"

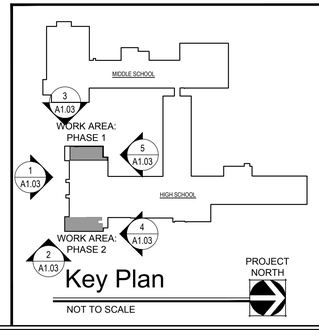


2 A1.03 Partial Elevation - Proposed
1/4" = 1'-0"



1 A1.03 Partial Elevation - Proposed
1/4" = 1'-0"

ELEVATION KEY NOTES, REFER TO "INTERIOR ELEVATION KEY NOTES" ON A7.00



Key Plan
NOT TO SCALE

SED PROJECT #66-08-01-06-0-005-020

Date	9/25/20
Checked	MM
Drawn	CC

REGISTERED ARCHITECT
MICHAEL J. McGOVERN
022257
STATE OF NEW YORK

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

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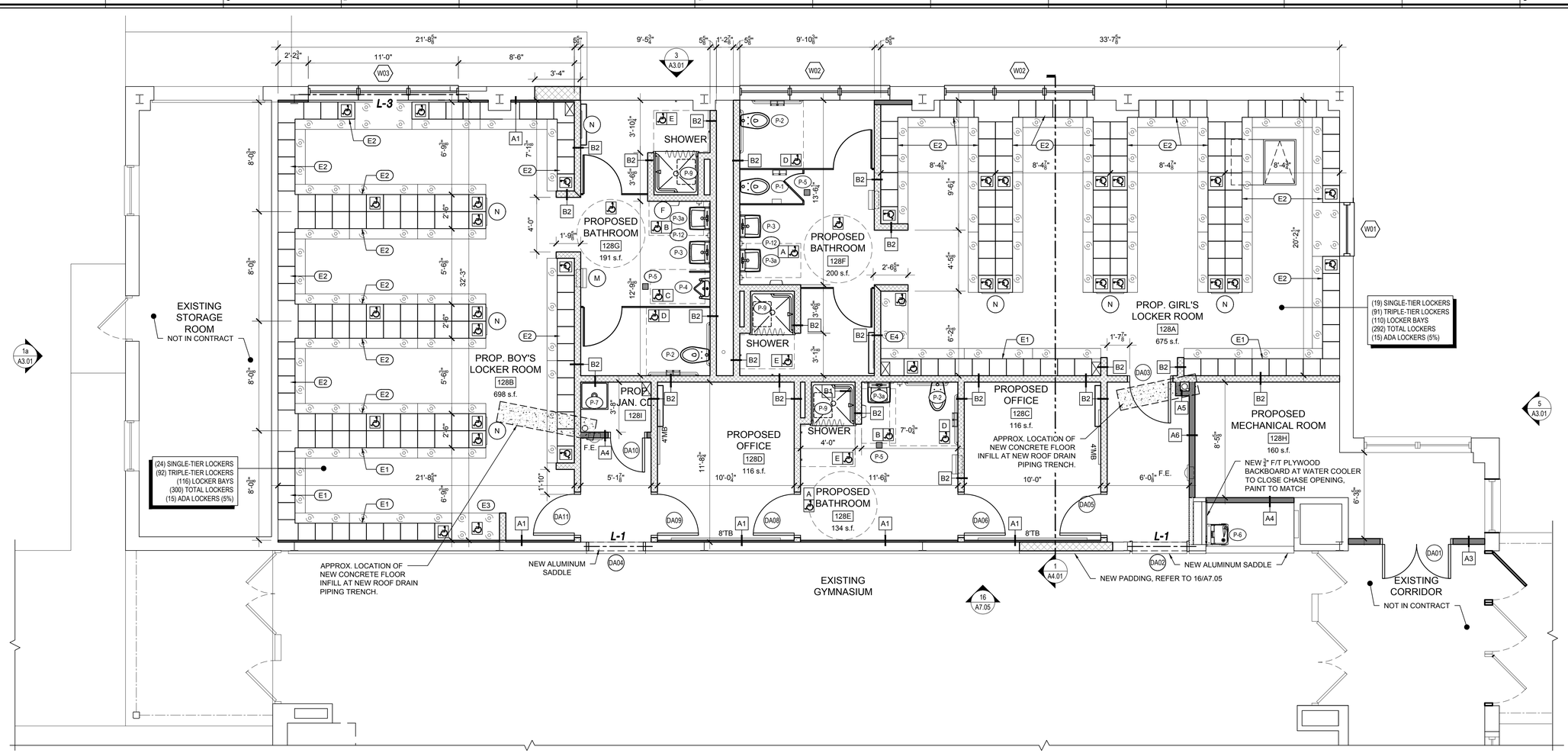
PARTIAL ELEVATIONS - DEMOLITION
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08
File No. 4144908A103

A1.03



1 A2.01 **Proposed West Partial First Floor Plan** — 1/4" = 1'-0" — NORTH

Fixture & Equipment Legend

SYMBOL	DESCRIPTION
(Exx)	EQUIPMENT ITEM #, REFER TO EQUIP. SCHEDULE ON DRAWING A7.00
(Pxx)	PLUMBING FIXTURE #, REFER TO TOILET FIXTURE SCHEDULE ON DRAWING A7.00
(X)	ACCESSORY ITEM #, REFER TO ACCESSORY SCHED. ON DRAWING A7.00
TB or MB	TACK BOARD or MARKER BOARD, REFER TO DETAIL 10/A7.05
WP	WALL PADDING, REFER TO INTERIOR ELEVATIONS AND SPEC. FOR ADD'L. INFO.
WM	WALL MIRROR, REFER TO INT. ELEV. FOR SIZE AND SPEC. FOR ADDITIONAL INFO.
L-1	NEW LINTEL. REFER TO SHEET A6.11 FOR LINTEL SCHEDULE
EP	LOCKER END PANEL. PROVIDE FINISHED END PANEL FOR LOCKERS INDICATED. END PANEL TO MATCH LOCKER DOORS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
FP	LOCKER FILLER PANEL. PROVIDE WALL FILLER END AND CORNER PANELS WITH FINISHED TOP WHERE SHOWN TO MATCH LOCKER DOORS, TYP. HEIGHT TO MATCH TOP SHELF OF LOCKER.

Accessibility Notes

- A 60" CLR. WHEELCHAIR TURNING RADIUS
- B 30"x48" CLEAR AT LAVATORY
- C 30"x48" CLEAR AT URINAL
- D 56"x60" CLEAR AT WATER CLOSET
- E 48"x36" CLEAR AT SHOWER

Notes

GENERAL:

1. DIMENSIONS ARE FROM FACE OF FINISH MATERIALS (+/-).
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS.
3. EACH CONTRACTOR IS REQUIRED TO PATCH (TO MATCH EXISTING), IMMEDIATELY AFTER REMOVAL, ALL WALL, FLOOR & CEILING OPENINGS WHERE EXISTING PIPE, DUCT, CONVECTORS, ETC. ARE BEING REMOVED. SEAL OPENING WITH 3 HOUR BARRIER CAULK AS PER FIRESTOPPING SPECIFICATIONS. REFER TO FIRESTOPPING DETAILS ON SHEET A8.01 FOR ADDITIONAL INFORMATION.
4. ALL FIXTURES AND EQUIPMENT INCLUDING (BUT NOT LIMITED TO) LOCKERS, BENCHES, FIXED FITNESS EQUIPMENT, CLIMBING WALLS, WALL PADDING, TACK BOARDS, MARKER BOARDS, AND WALL MIRRORS TO BE FURNISHED AND INSTALLED BY THE GC UNLESS NOTED OTHERWISE.
5. PLUMBING FIXTURES, ELECTRICAL FIXTURES AND DEVICES, AND MECHANICAL EQUIPMENT (INCLUDING REGISTERS, DIFFUSERS, ETC.) TO BE PROVIDED AND INSTALLED BY ITS RESPECTIVE PRIME CONTRACT.
6. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS OF BATHROOM ACCESSORIES.

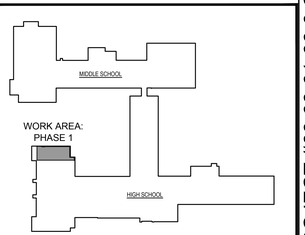
ADA LOCKERS:

1. ALL LOCKER ROOMS SHALL BE PROVIDED WITH 5% ADA ACCESSIBLE LOCKERS AS PER ICC A117.1.
2. ADA LOCKERS SHALL BE LOCATED IN THE LOWER TIER OF THE 3-TIER LOCKER UNITS TO ENSURE PROPER REACH RANGES.
3. PROVIDE ONE (1) ADA DOOR LATCH, SHELF, AND IDENTIFICATION PLAQUE FOR EACH ADA LOCKER AS PER SPECIFICATIONS.

BLOCKING:

1. CONTRACTOR SHALL PROVIDE P.T. BLOCKING FOR ALL TOILET ROOMS ACCESSORIES PROVIDED AS PART OF THE CONTRACT AND THOSE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. THIS SHALL INCLUDE BUT NOT BE LIMITED TO TOILET PARTITIONS, GRAB BARS AND ALL ACCESSORIES MOUNTED TO THE WALL. BLOCKING SHALL BE PROVIDED AS PER SPECIFICATION SECTION 061000-ROUGH CARPENTRY.

NOTE:
REFER TO SHEET A7.00 FOR ENLARGED PLAN LOCATION KEY



Key Plan — NOT TO SCALE — PROJECT NORTH

Date	9/25/20
Checked	MM
Drawn	CC

REGISTERED ARCHITECT — MICHAEL J. McGOVERN — 022257 — STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.
Title: REGISTERED ARCHITECT
License No. 022257-1

Revisions:
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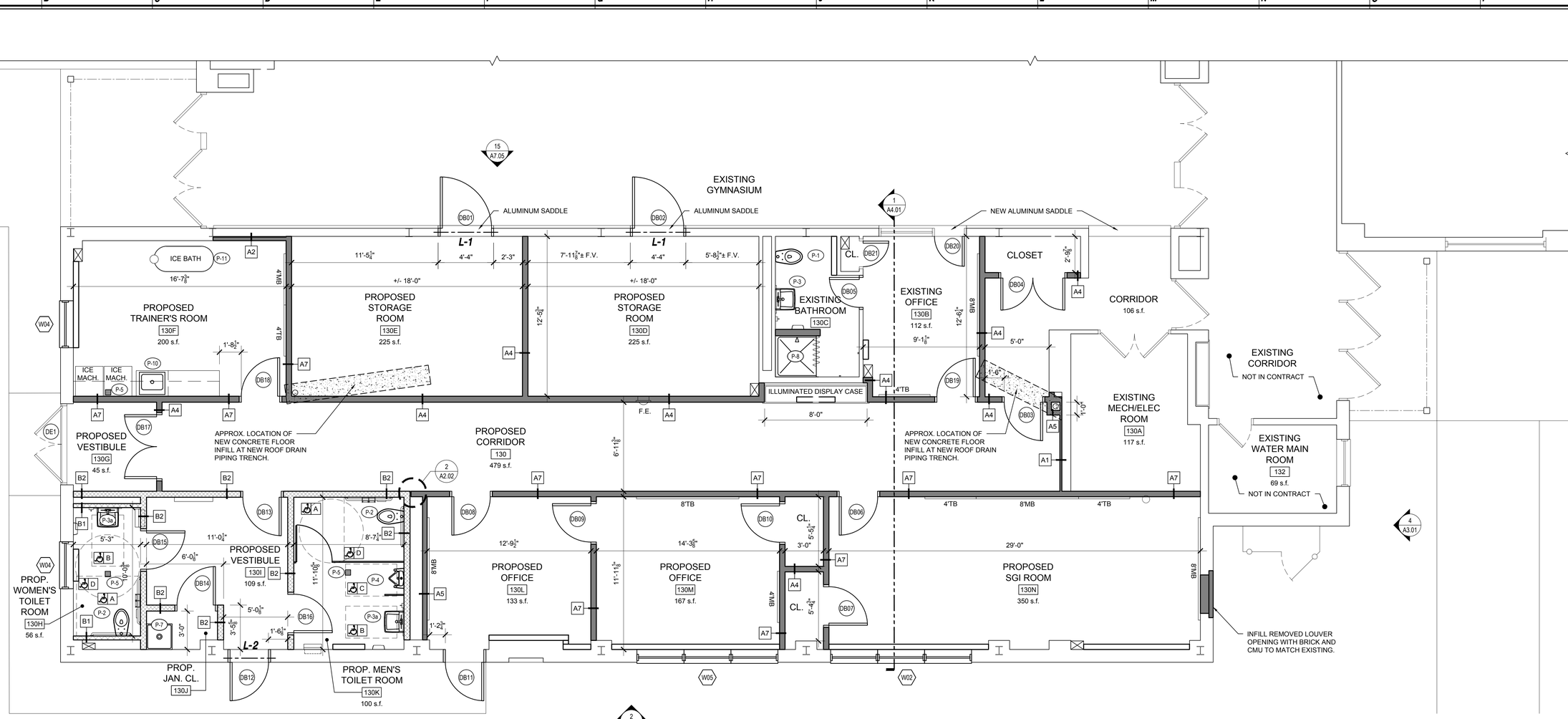
SED PROJECT #66-08-01-06-0-005-020

PARTIAL PROPOSED (WEST) 1st FLOOR PLAN
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908A201

A2.01



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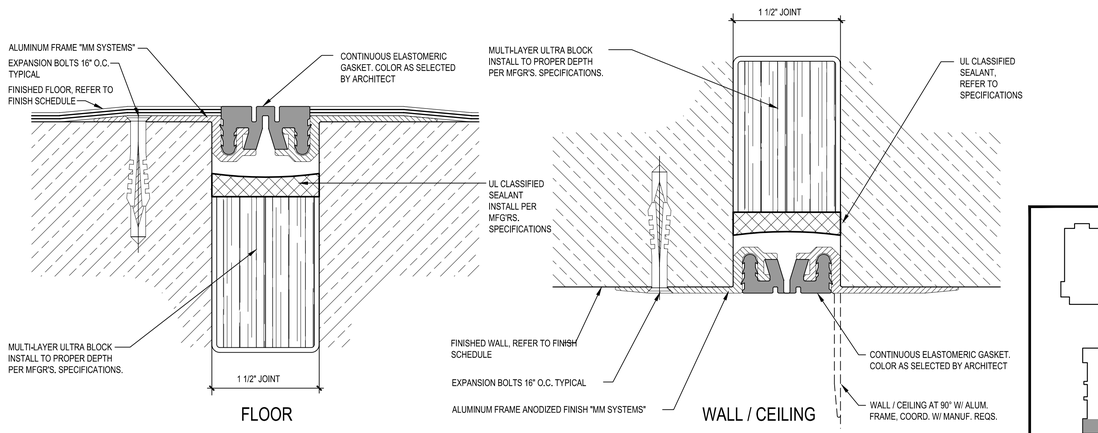
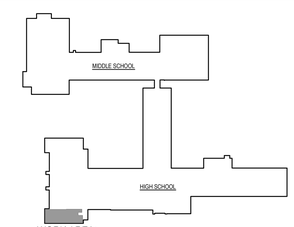
1 A2.02 Proposed East Partial First Floor Plan

1/4" = 1'-0"



2 A2.02 Expansion Joint Details

N.T.S.



Key Plan

NOT TO SCALE

Date	9/25/20
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MICHAEL J. McGOVERN, R.A. — REGISTERED ARCHITECT — License No. 022257-1

Revisions:

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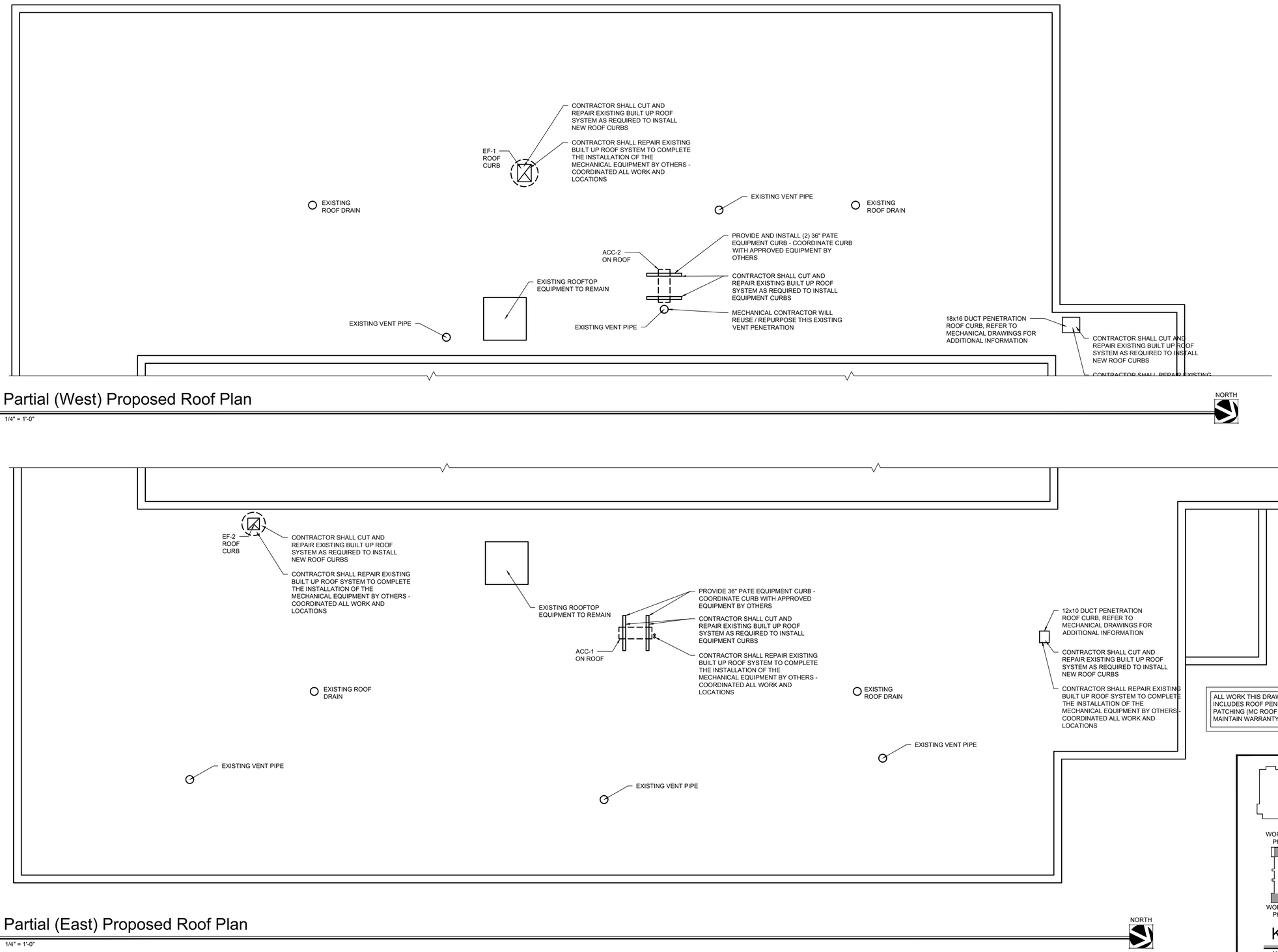
PROPOSED PARTIAL (EAST) 1st FLOOR PLAN
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 414908A201

SED PROJECT #66-08-01-06-0-005-020

A2.02



1 A2.03

Partial (West) Proposed Roof Plan

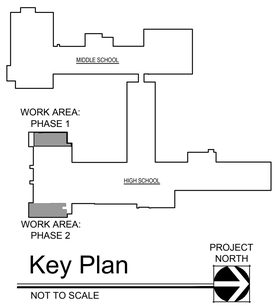
1/4" = 1'-0"

2 A2.03

Partial (East) Proposed Roof Plan

1/4" = 1'-0"

ALL WORK THIS DRAWING IS BY MECHANICAL CONTRACTOR. INCLUDES ROOF PENETRATIONS, CURBS/RAILS, AND ALL ROOF PATCHING (MC ROOF SUBCONTRACTOR WILL BE CERTIFIED TO MAINTAIN WARRANTY FOR THE EXISTING ROOF MANUFACTURER)



Key Plan

NOT TO SCALE

PROJECT NORTH

Date	9/25/20
Checked	MAM
Drawn	TH

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

Revisions:

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11/20/20

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PARTIAL PROPOSED ROOF PLANS

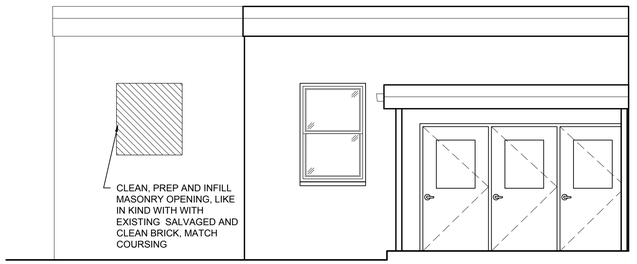
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

SED PROJECT #66-08-01-06-0-005-020

Job No. 4.1449.08

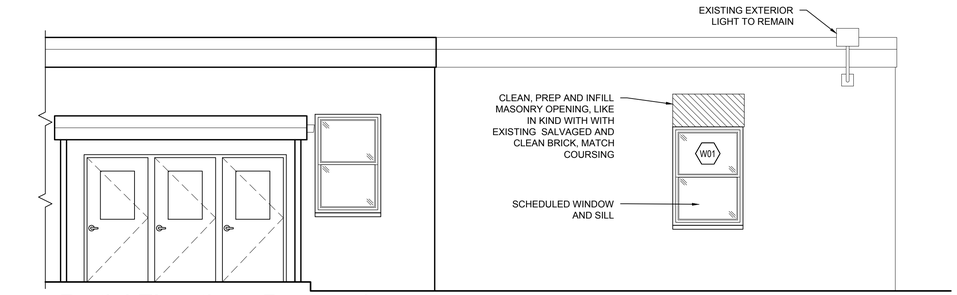
File No. 4144908A203

A2.03



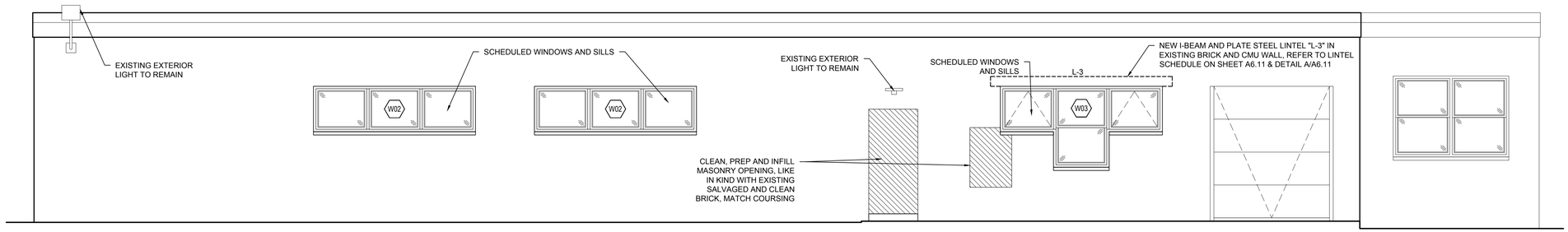
4 A3.01 Partial Elevation - Demo

1/4" = 1'-0"



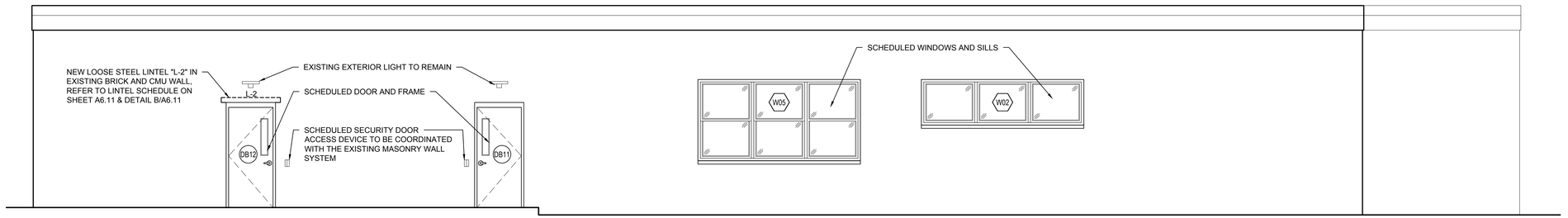
5 A3.01 Partial Elevation - Proposed

1/4" = 1'-0"



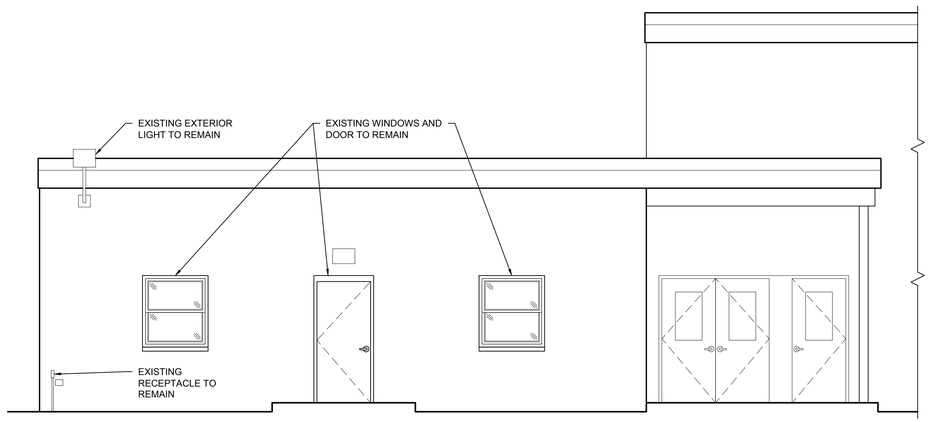
3 A3.01 Partial Elevation - Demo

1/4" = 1'-0"



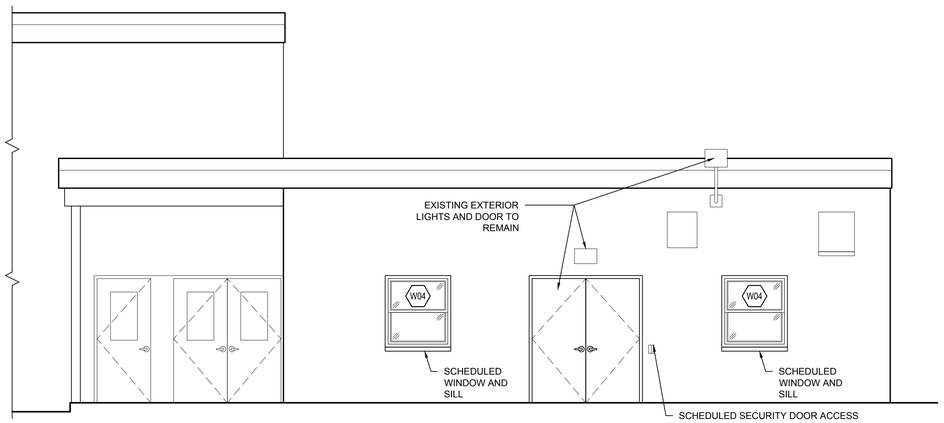
2 A3.01 Partial Elevation - Proposed

1/4" = 1'-0"



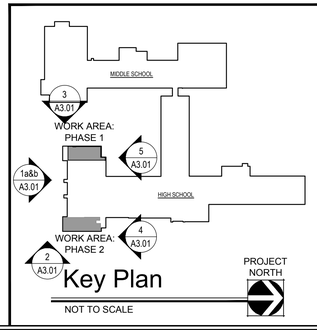
1a A3.01 Partial Elevation - Proposed

1/4" = 1'-0"



1b A3.01 Partial Elevation - Proposed

1/4" = 1'-0"



Key Plan

NOT TO SCALE

SED PROJECT #66-08-01-06-0-005-020

Date	9/25/20
Checked	MM
Drawn	CC

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.

Title REGISTERED ARCHITECT

License No. 022257-1

Revisions:

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11/20/20

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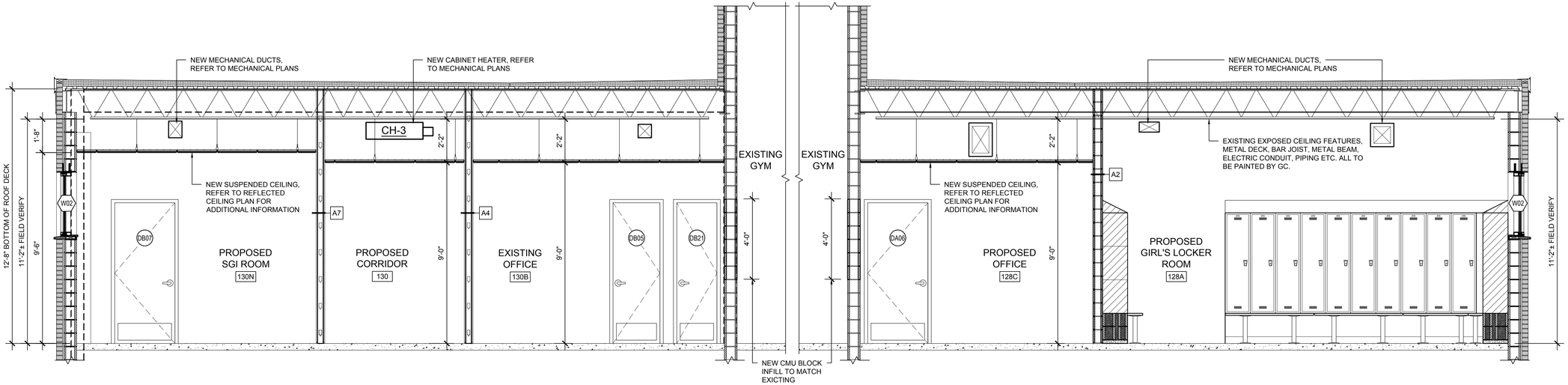
PARTIAL ELEVATIONS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

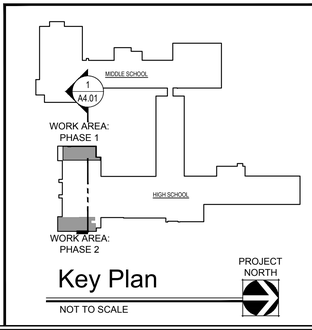
File No. 4144908A301

A3.01



1 A4.01 Building Section

3/8" = 1'-0"



Key Plan

NOT TO SCALE

Date	9/25/20
Checked	MM
Drawn	JG

REGISTERED ARCHITECT
MICHAEL J. McGOVERN
022257
STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.

License No. 022257-1

Title REGISTERED ARCHITECT

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BUILDING SECTION

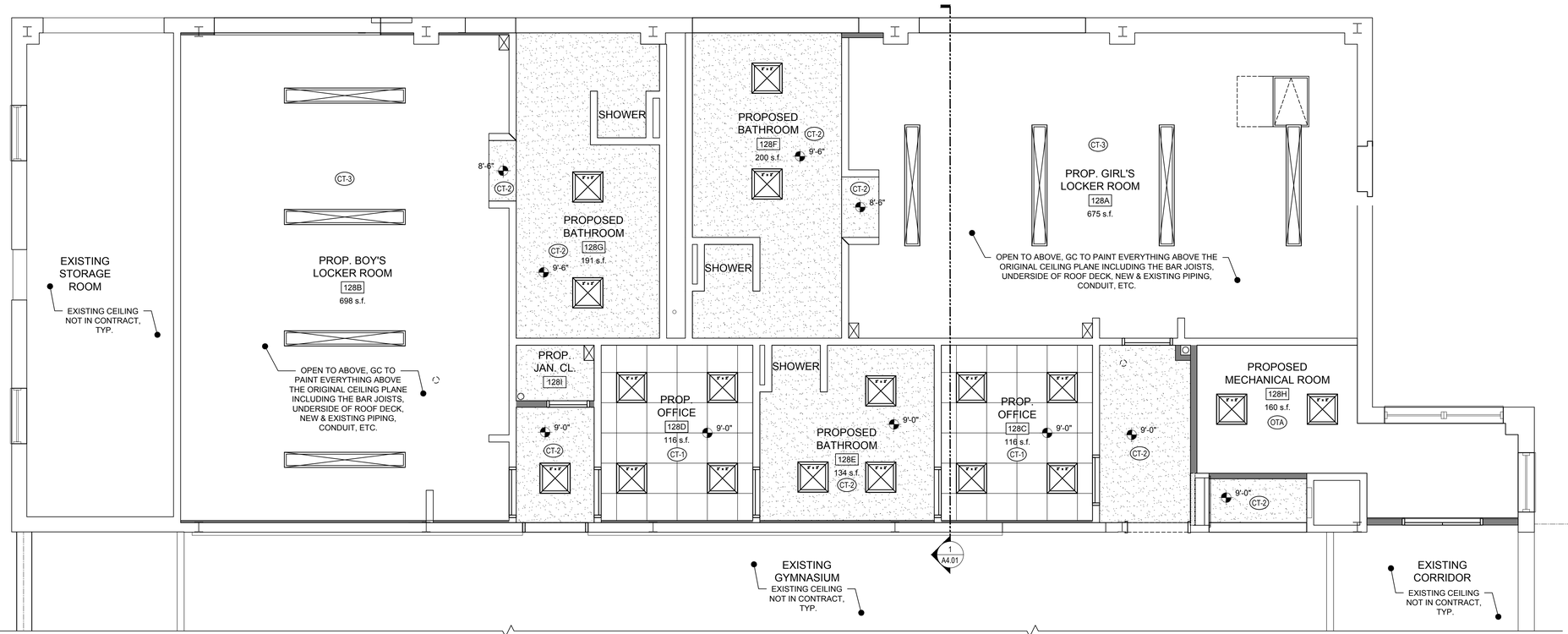
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

SED PROJECT #66-08-01-06-0-005-020

Job No. 4.1449.08

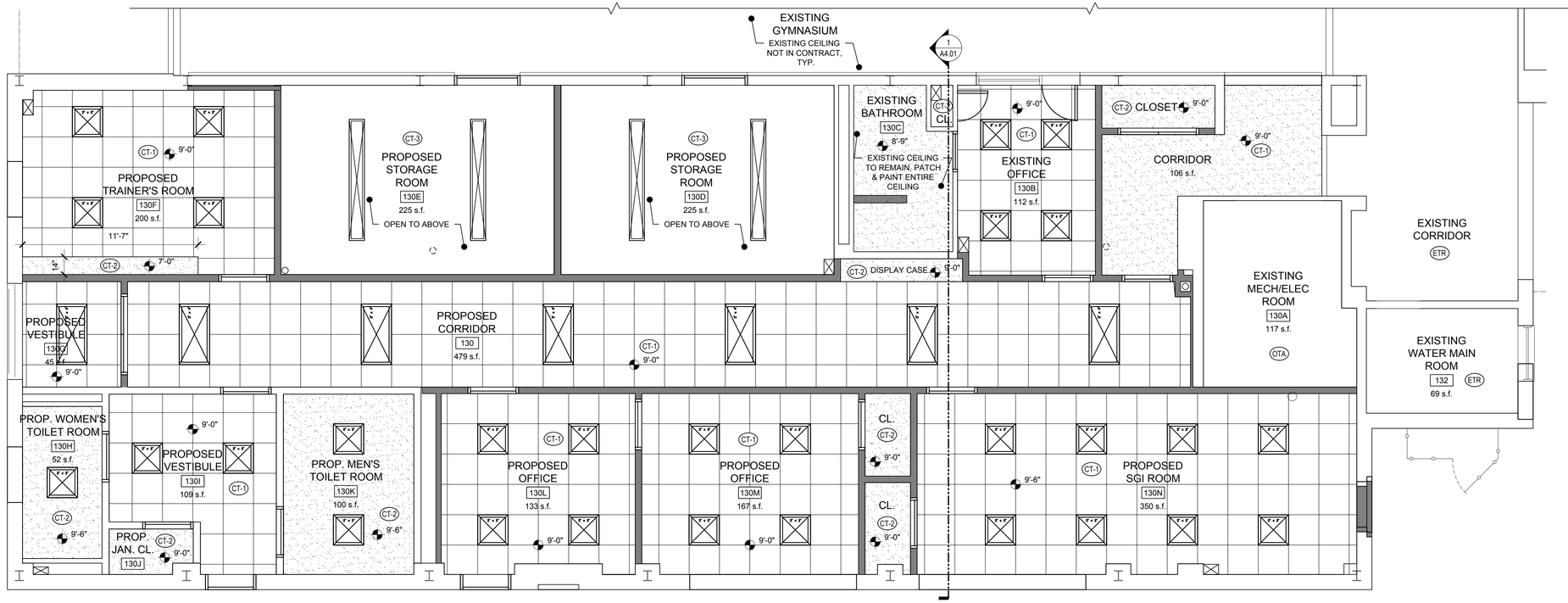
File No. 4144908A401

A4.01



1 A5.01 Proposed Reflected Ceiling Plan

1/4" = 1'-0"



2 A5.01 Proposed Reflected Ceiling Plan

1/4" = 1'-0"

Ceiling Types

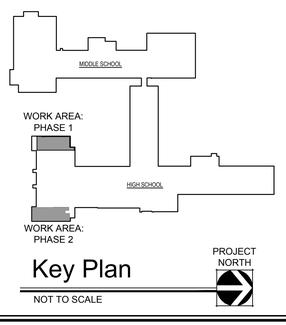
MARK	DESCRIPTION	SYMBOL
CT-1	'CERTAINTEED' 2'X2'X¾" FINE FISSURED HIGH NRC ACOUSTIC CEILING TILE (HHF-457 HNRC) WITH EXPOSED 15/16" 'TRIM' GRID	
CT-2	'GP' 5/8" THICK 'DENSARMOR PLUS IMPACT-RESISTANT' INTERIOR PANELS. FINISH JOINTS AND PAINT, TYP. DRYWALL SUSPENSION SYSTEM.	
CT-3	OPEN TO ABOVE THIS AREA. PAINT ALL EXPOSED STRUCTURE, CONDUIT AND DUCTWORK	
OTA	OPEN TO STRUCTURE ABOVE	
ETR	EXISTING CEILING TO REMAIN THIS AREA	

Typical Ceiling Notes

1. UNLESS NOTED OTHERWISE ON THIS PLAN, REFER TO INTERIOR FINISH SCHEDULE FOR FINISH CEILING MATERIAL, TYPE AND INSTALLATION HEIGHT ABOVE FINISH FLOOR.
2. PENETRATIONS THROUGH CEILINGS ARE TO BE PROTECTED PER RATED DESCRIPTIONS. REFER TO FIRE RESISTANT RATED ASSEMBLIES WALL AND CEILING TYPES.
3. ALL ACCESS PANELS, HATCHES, GYPSUM BOARD SOFFITS, BULKHEAD, HVAC GRILLES AND REGISTERS, SHALL BE PAINTED TO MATCH CEILING FINISHES.
4. SUSPENDED ACOUSTIC TILE CEILINGS SHALL BE CENTERED IN SPACE IN BOTH DIRECTIONS TO MINIMIZE WASTE AS REQUIRED, UNLESS OTHERWISE INDICATED, FIELD VERIFY.
5. ALL AREAS NOT GRIDED AS CEILING TILE SHALL BE OPEN TO ABOVE UNLESS OTHERWISE NOTED.
6. TENT ALL LIGHT FIXTURES IN RATED FLOOR/CEILING, ROOF/CEILING ASSEMBLIES AS REQUIRED. REFER TO FIRE RESISTANT RATED ASSEMBLIES DRAWING FOR ADDITIONAL INFORMATION.
7. ALL CONTRACTORS (I.E. MECHANICAL, ELECTRICAL, PLUMBING) ARE REQUIRED TO COORDINATE THEIR WORK WITH INDIVIDUAL CEILING FINISHES. ALL DISTURBED AREAS RESULTING FROM CONTRACTORS OPERATIONS SHALL BE PATCHED AND DAMAGED AREAS AS A RESULT OF CONTRACTORS OPERATIONS SHALL BE PATCHED AND REPAIRED TO MATCH.
8. FIELD VERIFY ALL DIMENSIONS AND CLEARANCES. COORDINATE INSTALLATION OF LIGHTING, EQUIPMENT, MECHANICAL DUCTWORK, ETC. TO ENSURE PROPER INSTALLATION.
9. PROVIDE HOLD DOWN CLIPS AT EXTERIOR DOORS, CLASSROOMS AND VESTIBULES AS REQUIRED.
10. PATCH AND REPAIR DAMAGED SURFACES TO MATCH EXISTING, TYPICAL.
11. ALL COLORS AND PATTERNS TO BE SELECTED BY OWNER, TYPICAL.
12. CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING PERIMETER MOLDINGS, FASTENERS, SUPPORT WIRES, TRIM, ETC. FOR A COMPLETE INSTALLATION.
13. PATCH AND REPAIR ANY CEILING FINISHES FLUSH WHERE EXISTING PARTITIONS HAVE BEEN REMOVED.
14. ALL LIGHTING FIXTURES SHOWN ON REFLECTED CEILING PLAN ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY, REFER TO ELECTRICAL LIGHTING PLAN FOR ACTUAL LOCATIONS.

Symbol Legend

SYMBOL	DESCRIPTION
0'-0"	DATUM: FINISH CEILING HEIGHT ABOVE FINISH FLOOR
E.T.R.	EXISTING TO REMAIN, EXISTING FINISH CEILING
CT-#	CEILING TYPE (REFER TO CEILING TYPES SCHEDULE)
	LIGHTING FIXTURES - REFER TO ELECTRICAL PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS.
	CEILING MOUNTED EQUIPMENT - REFER TO ELECTRICAL PLANS FOR EXACT FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS. MECHANICAL DIFFUSERS - REFER TO MECHANICAL PLANS FOR EXACT CEILING DIFFUSER LOCATIONS. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LIGHT FIXTURE LOCATIONS.



Key Plan

NOT TO SCALE

PROJECT NORTH

Date	9/25/20
Checked	MTM
Drawn	MTM

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

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

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SED PROJECT #66-08-01-06-0-005-020

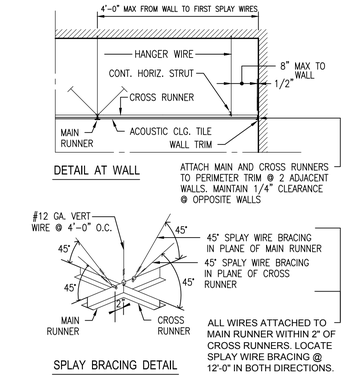
REFLECTED CEILING PLAN

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

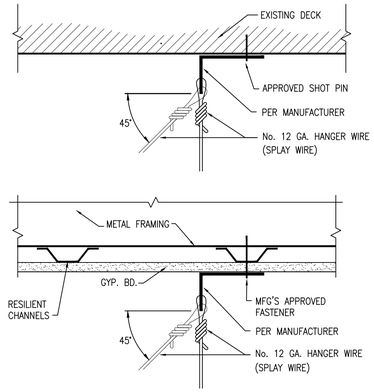
File No. 4144908A501

A5.01



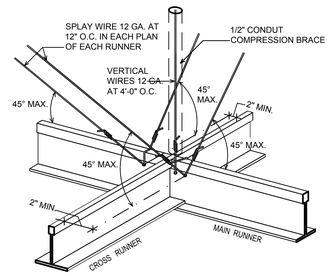
Typical Seismic Bracing Detail

1 A5.02 — 3/8" = 1'-0" — SUSPENSION CEILING SYSTEM



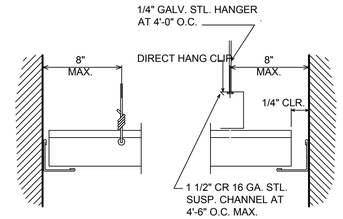
Typical Hanger Wire Detail

2 A5.02 — 1 1/2" = 1'-0" — SUSPENSION CEILING SYSTEM



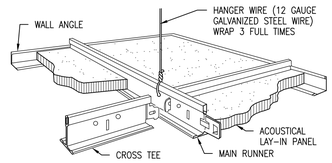
Typical Suspended Ceiling Detail

3 A5.02 — 1 1/2" = 1'-0" — USG DRYWALL SUSPENSION SYSTEM



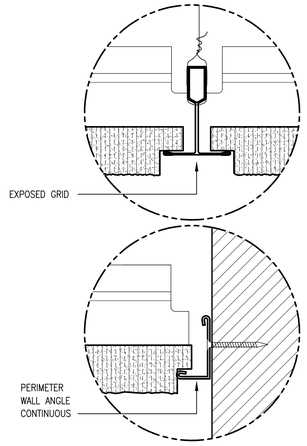
Typical Ceiling Moulding Detail

4 A5.02 — 1 1/2" = 1'-0" — USG DRYWALL SUSPENSION SYSTEM



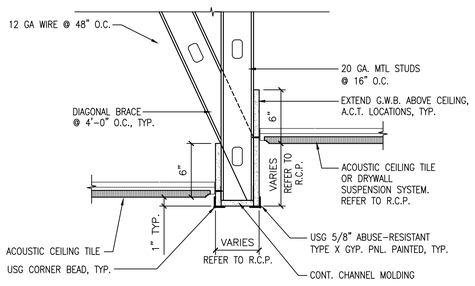
Typical Suspended Ceiling System

5 A5.02 — 1 1/2" = 1'-0" — ACOUSTIC PANEL SUSPENSION SYSTEM



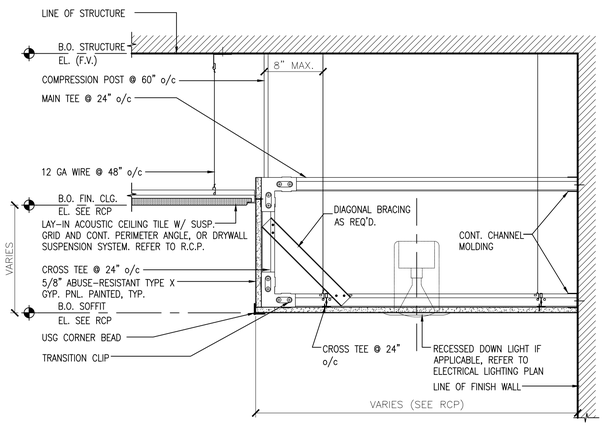
TYP. SUSP. SYS. PROFILES

6 A5.02 — FULL SIZE



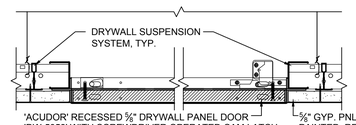
Typical Bulkhead Detail

7 A5.02 — 1 1/2" = 1'-0"



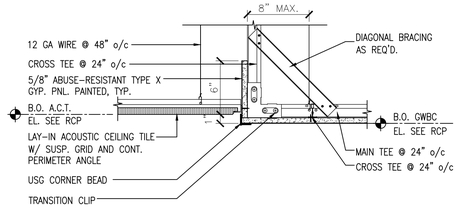
Typical Soffit Detail

8 A5.02 — 1 1/2" = 1'-0"



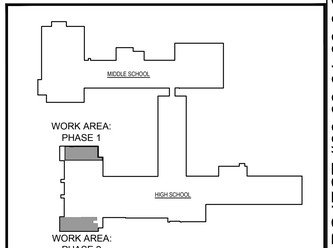
Ceiling Access Door Detail

9 A5.02 — 3" = 1'-0" — ACCESS DOOR PROVIDED BY CONTRACT REQUIRING ACCESS: INSTALLATION BY GC.



Typical Ceiling Transition Detail

10 A5.02 — 1 1/2" = 1'-0"



Date	9/25/20
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Drawn	MTM

MICHAEL J. McGOVERN, R.A. — Title: REGISTERED ARCHITECT — License No. 022257-1

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CEILING DETAILS

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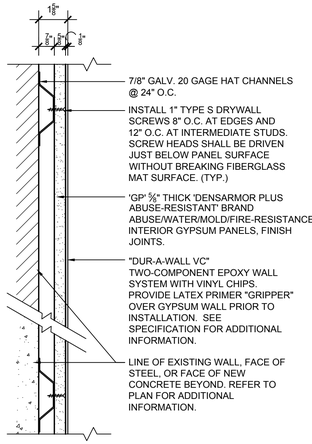
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

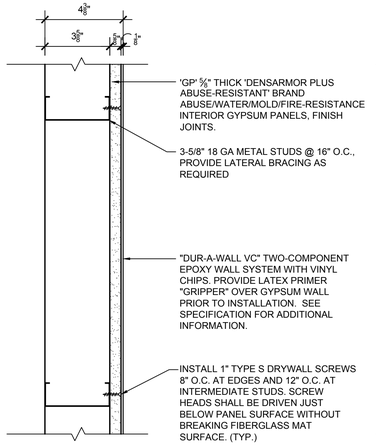
File No. 4144908A501

SED PROJECT #66-08-01-06-0-005-020

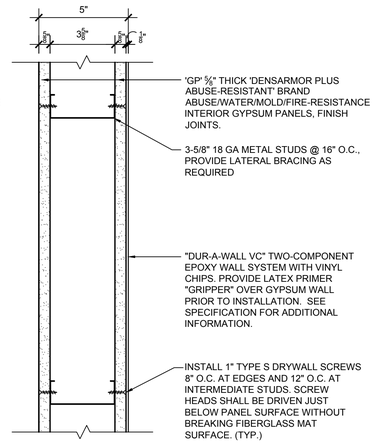
A5.02



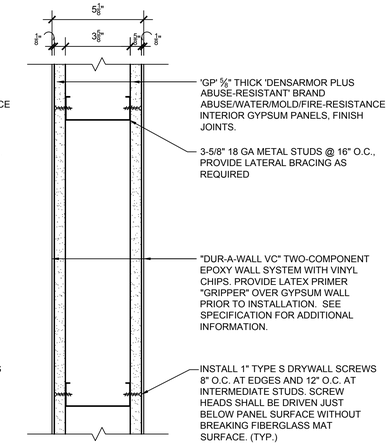
A1 Wall Type
3" = 1'-0" INTERIOR PARTITION



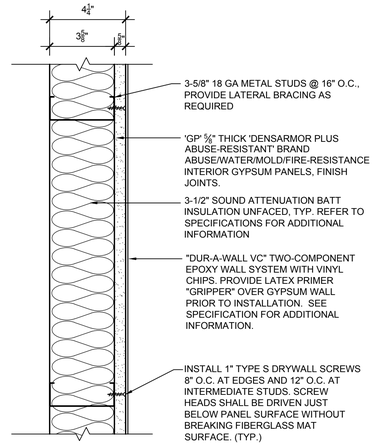
A2 Wall Type
3" = 1'-0" INTERIOR PARTITION



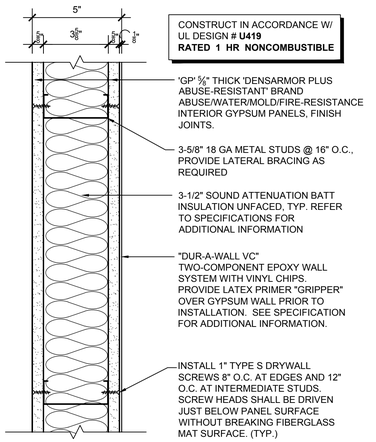
A3 Wall Type
3" = 1'-0" INTERIOR PARTITION



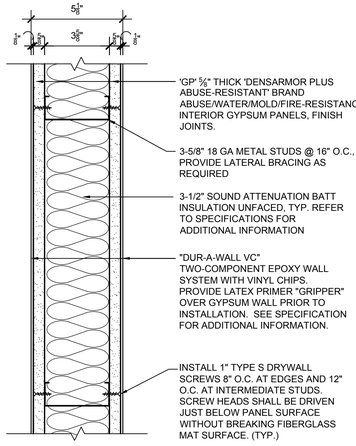
A4 Wall Type
3" = 1'-0" INTERIOR PARTITION



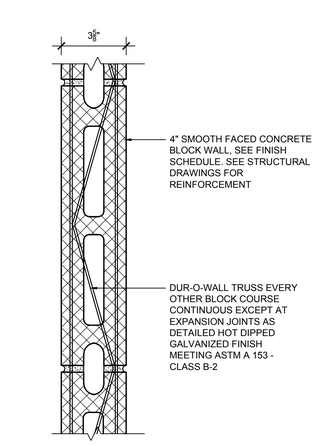
A5 Wall Type
3" = 1'-0" INTERIOR PARTITION



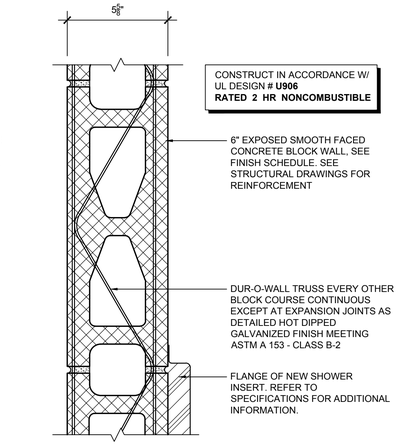
A6 Wall Type
3" = 1'-0" INTERIOR PARTITION



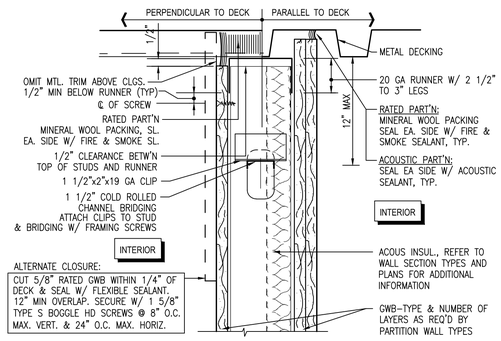
A7 Wall Type
3" = 1'-0" INTERIOR PARTITION



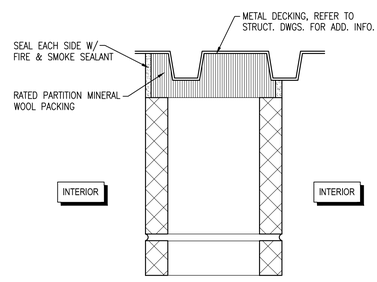
B1 Wall Type
3" = 1'-0" INTERIOR PARTITION



B2 Wall Type
3" = 1'-0" INTERIOR PARTITION



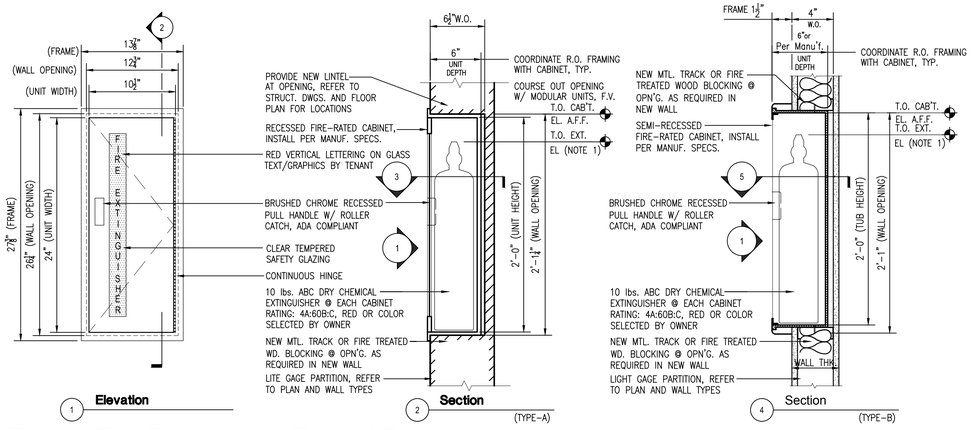
1 A6.01 **Detail at Top of Metal Stud Partition**
3" = 1'-0"



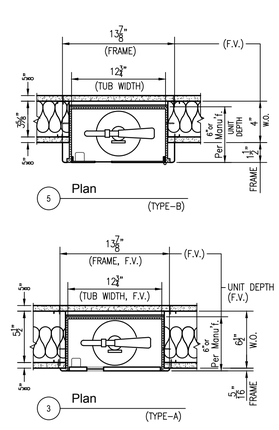
2 A6.01 **Detail at Top of CMU Partition**
3" = 1'-0"

Fire Extinguisher Notes:

1. EXTINGUISHERS HAVING A GROSS WEIGHT NOT EXCEEDING 40 lbs. SHALL BE INSTALLED SO THAT THE TOP OF THE EXTINGUISHER IS NOT MORE THAN 5'-0" ABOVE THE FLOOR.
2. EXTINGUISHERS HAVING A GROSS WEIGHT GREATER THAN 40 lbs. SHALL BE INSTALLED SO THAT THE TOP OF THE EXTINGUISHER IS NOT MORE THAN 3'-6" ABOVE THE FLOOR.
3. PROVIDE 1 HOUR FIRE RATED UL CLASSIFIED CABINET IN RATED PARTITIONS. INSTALL PER MANUFACTURER'S RECOMMENDATION TO INSURE THE INTEGRITY OF THE RATED ASSEMBLY.
4. EXTINGUISHER LOCATIONS AT CMU WALL SHALL BE PROVIDED WITH WALL HANGER (NO CABINET), COORDINATE WITH OWNER.
5. PROVIDE ALL SIGNAGE IN ACCORDANCE WITH OWNER'S REQUIREMENTS. INCLUDE FLOOR, WALL OR CEILING INDICATORS.
6. INSTALL NEW FIRE EXTINGUISHER CABINETS (FEC) AND SHALL BE LOCATED IN ACCORDANCE WITH THE NYS INTERNATIONAL FIRE CODE TO MEET TRAVEL DISTANCE REQUIREMENTS. REFER TO DWGS. A2.01 & A2.02 FOR LOCATIONS SHOWN ON PLAN. FIELD VERIFY ACTUAL LOCATIONS. PROVIDE EXTINGUISHER TYPE AND SIZE AS REQUIRED TO FIT CABINET AND FOR SPECIFIC USE. COORDINATE CABINET TYPES AND LOCATIONS WITH TENANT AND ACTUAL FIELD CONDITIONS. FINISH TO BE "MILL FINISH ALUMINUM" WITH 1½" SQUARE TRIM.
7. CONTRACTOR SHALL COORDINATE WALL FRAMING DEPTH DURING CONSTRUCTION TO ACCOMMODATE CABINET THICKNESS (DEPTH) AND PROVIDE CORRECT ROUGH OPENING SIZE FOR INSTALLATION OF ALL FECs. INSTALL PER MANUFACTURER'S REQUIREMENTS. PROVIDE LINTEL AT CMU WALL IF REQUIRED. COORDINATE WITH ACTUAL FIELD CONDITIONS.
8. CONTRACTOR SHALL PACK OUT WALLS AT CLOSETS OR INCREASE STUD FRAMING THICKNESS TO ACCOMMODATE INSTALLATION OF FULLY RECESSED CABINETS IF APPLICABLE, FIELD VERIFY.
9. COORDINATE INSTALLATION HEIGHT WITH CHAIR-RAIL AND MOULDINGS FOR ADA COMPLIANCE.
10. ALL CABINETS, HARDWARE, AND PORTABLE EXTINGUISHER DEVICES AND INSTALLATIONS TO BE ADA COMPLIANT.
11. BASIS OF DESIGN: JL INDUSTRIES, ACADEMY FX2, VERTICAL DUO #1027, 1½" SQUARE TRIM OR ⅜" FLAT TRIM, ANODIZED MILL FINISH ALUMINUM.



3 A6.01 **Typical Fire Extinguisher Cabinet Details**
1-1/2" = 1'-0"



Key Notes

#	DENOTES WALL PARTITION TYPE

General Notes

1. ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIALS.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO INSTALLATION/ CONSTRUCTION.
3. COORDINATE FINISHES WITH INTERIOR FINISH SCHEDULE.
4. ALL WALL TYPES SHALL HAVE STUDS AND GWB EXTEND ALL THE WAY UP TO THE UNDERSIDE OF THE DECK U.N.O. PROVIDE FIRESTOPPING AT THE TOP OF THE WALL AS REQUIRED.
5. CONTRACTOR SHALL INSTALL THROUGH-PENETRATION FIRESTOPS, DRAFT-STOPS, FIRE CAULKING, ETC. AS REQUIRED AT ALL ROOF/WALL PENETRATIONS TO ENSURE THE STRUCTURAL INTEGRITY AND CONT. FIRE RATING OF THE ASSEMBLY.
6. REFER TO PLANS AND FINISH SCHEDULE FOR LOCATIONS OF WALL FINISHES, TYP.

Date	9/25/20
Checked	MTM
Drawn	—

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A. — License No. 022257-1 — Title: REGISTERED ARCHITECT

Revisions:
BID CONFORMANCE SET 11/20/20

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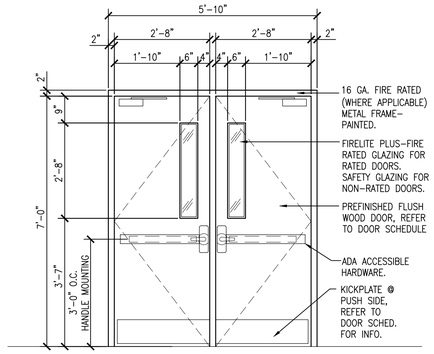
LAN ASSOCIATES
engineering • planning • architecture • surveying
252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615-0350

PARTITION TYPES & FIRE EXTINGUISHER DET.
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

SED PROJECT #66-08-01-06-0-005-020

Job No. 4.1449.08
File No. 4144908A601

A6.01



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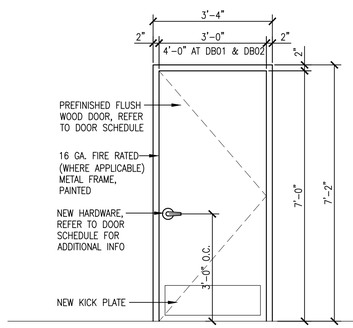

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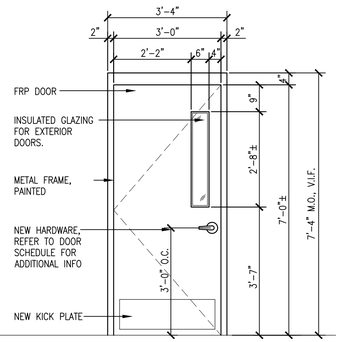

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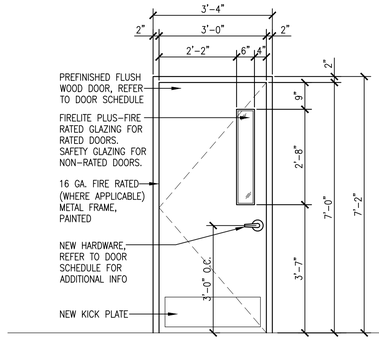

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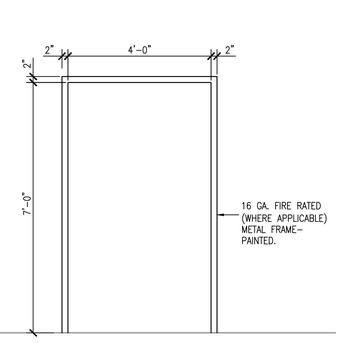

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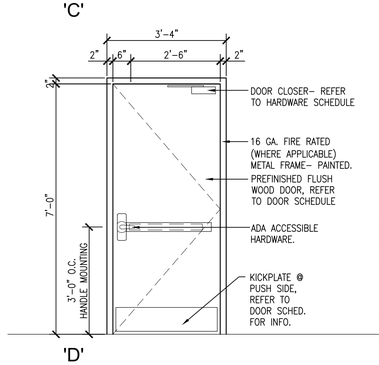
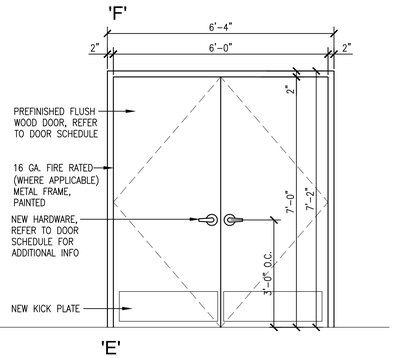


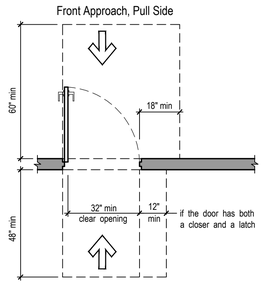
'D'



'E'

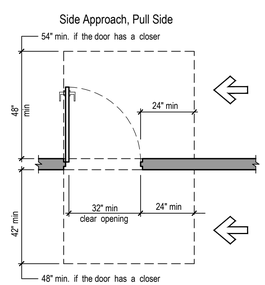
Door Types

1/2" = 1'-0"



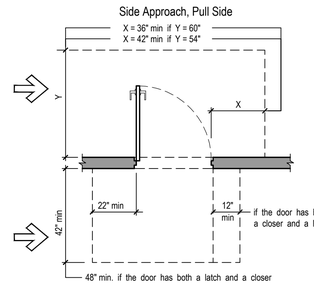
A Door Maneuvering Clearances

1/2" = 1'-0"



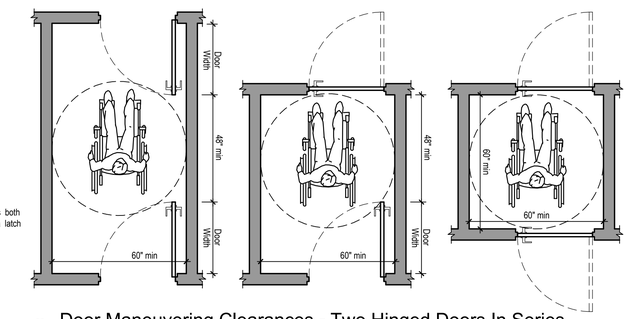
B Door Maneuvering Clearances

1/2" = 1'-0"



C Door Maneuvering Clearances

1/2" = 1'-0"



D Door Maneuvering Clearances - Two Hinged Doors In Series

1/2" = 1'-0"

Door Notes

1. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN PRIOR TO THE BID TO BE OF LIKE KIND AND OF EQUAL QUALITY.
2. ALL DOOR FINISHES ARE SPECIFIED ON THE DOOR SCHEDULE AND NOTED IN THE SPECIFICATIONS. COLOR SHALL BE SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
3. DOORS SHALL BE UNDERCUT 1". REFER TO MECHANICAL DRAWINGS.
4. REFER TO FINISH HARDWARE SPECIFICATION AND SCHEDULE FOR HARDWARE SET INFORMATION.
5. CONTRACTOR TO PATCH AND REPAIR ALL DISTURBED INTERIOR AND EXTERIOR FINISHES AS REQUIRED.
6. EXISTING DOOR AND HARDWARE SHALL BE MODIFIED TO ADD ELECTRIC STRIKE HES9600 MFR BY ASSA ABLOY INSTALLATION SHALL BE COORDINATED EXISTING SECURITY HARDWARE AND SECURITY SYSTEM, V.I.F.

Door Saddle Legend

ABBREVIATIONS	DESCRIPTIONS
MS	MARBLE SADDLE
AS	ALUMINUM SADDLE
NS	NO SADDLE

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	ROOM NAME/ NUMBER	DOOR									FRAME			SILL	HARDWARE (SEE SPECIFICATIONS)				NOTES
			ACTION	MATERIAL	DOOR FINISH	MASONRY OPENING		DOOR SIZE		VISION PANEL		DETAIL NO.			DETAIL NO.	HARDWARE SET	CLOSER	PANIC	SECURITY PACKAGE	
						WIDTH	HEIGHT	WIDTH	HEIGHT			MAT.	HEAD	JAMB						
WEST PARTIAL FLOOR PLAN																				
DA01	E	PROPOSED MECHANICAL ROOM	PAIR SINGLE SWING	WOOD	WOOD VENEER			3'-0"	7'-0"	■		MTL	4/A6.11	5/A6.11	6/A6.11	10	■	■		
DAO2	F		FRAMED OPENING			4'-4"	7'-2"					MTL	1/A6.11	2/A6.11	3/A6.11					KNOCK DOWN FRAME FULLY GROUTED
DA03	B	PROPOSED GIRL'S LOCKER ROOM	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"			MTL	7/A6.11	8/A6.11	6/A6.11	5	■			
DA04	F		FRAMED OPENING			4'-4"	7'-2"					MTL	1/A6.11	2/A6.11	3/A6.11					KNOCK DOWN FRAME FULLY GROUTED
DA05	C	PROPOSED OFFICE	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"	■		MTL	7/A6.11	8/A6.11	6/A6.11	7				
DA06	B	PROPOSED OFFICE	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"			MTL	7/A6.11	8/A6.11	6/A6.11	7				
DA07																				RESERVED
DA08	B	PROPOSED OFFICE	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"			MTL	7/A6.11	8/A6.11	6/A6.11	7				
DA09	C	PROPOSED OFFICE	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"	■		MTL	7/A6.11	8/A6.11	6/A6.11	7				
DA10	B	JAN CL.	SINGLE	WOOD	WOOD VENEER			2'-6"	7'-0"			MTL	4/A6.11	5/A6.11	6/A6.11	11	■			
DA11	B	PROPOSED BOY'S LOCKER ROOM	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"			MTL	7/A6.11	8/A6.11	6/A6.11	6	■			
EAST PARTIAL FLOOR PLAN																				
DB01	B	PROPOSED STORAGE ROOM	SINGLE	WOOD	WOOD VENEER	4'-0"	7'-2"	4'-0"	7'-0"			MTL	7/A6.11	8/A6.11	3/A6.11	6	■			
DB02	B	PROPOSED STROAGE ROOM	SINGLE	WOOD	WOOD VENEER	4'-0"	7'-2"	4'-0"	7'-0"			MTL	7/A6.11	8/A6.11	3/A6.11	6	■			
DB03	C	CORRIDOR	SINGLE	WOOD	WOOD VENEER			3'-0"	7'-0"	■		MTL	4/A6.11	5/A6.11	6/A6.11	3	■			
DB04	E	CLOSET	PAIR SINGLE SWING	WOOD	WOOD VENEER			3'-0"	7'-0"			MTL	4/A6.11	4/A6.11	6/A6.11	9	■			
DB05	B	EXISTING BATHROOM	SINGLE	WOOD	WOOD VENEER			2'-4"	7'-0"			MTL	ETR	ETR	ETR	12	■			REUSE EXISTING METAL FRAME, V.I.F. ALL CONDITONS
DB06	C	PROPOSED SGI ROOM	SINGLE	WOOD	WOOD VENEER			3'-0"	7'-0"	■		MTL	4/A6.11	5/A6.11	6/A6.11	4	■			
DB07	B	CL.	SINGLE	WOOD	WOOD VENEER			3'-0"	7'-0"			MTL	4/A6.11	5/A6.11	6/A6.11	8				
DB08	C	PROPOSED OFFICE	SINGLE	WOOD	WOOD VENEER			3'-0"	7'-0"	■		MTL	4/A6.11	5/A6.11	6/A6.11	7				
DB09	C	PROPOSED OFFICE	SINGLE	WOOD	WOOD VENEER			3'-0"	7'-0"	■		MTL	4/A6.11	5/A6.11	6/A6.11	7				
DB10	B	CL.	SINGLE	WOOD	WOOD VENEER			3'-0"	7'-0"			MTL	4/A6.11	5/A6.11	6/A6.11	8				
DB11	G	PROPOSED OFFICE	SINGLE	FRP	FRP	3'-4"	7'-2"	3'-0"	7'-0"	■		MTL	9/A6.11	10/ A6.11	11/ A6.11	2	■	■		INSULATED
DB12	G	VESTIBULE	SINGLE	FRP	FRP	3'-4"	7'-2"	3'-0"	7'-0"	■		MTL	9/A6.11	10/ A6.11	11/ A6.11	2	■	■		INSULATED
DB13	C	VESTIBULE	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"			MTL	7/A6.11	8/A6.11	6/A6.11	5	■			
DB14	B	JAN. CL.	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"			MTL	7/A6.11	8/A6.11	6/A6.11	11	■			
DB15	B	PROP. WOMEN'S TOILET ROOM	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"			MTL	7/A6.11	8/A6.11	6/A6.11	12	■			
DB16	B	PROP. MEN'S TOILET ROOM	SINGLE	WOOD	WOOD VENEER	3'-4"	7'-2"	3'-0"	7'-0"			MTL	7/A6.11	8/A6.11	6/A6.11	13	■			
DB17	A	VESTIBULE	PAIR SINGLE SWING	WOOD	WOOD VENEER			3'-0"	7'-0"			MTL	4/A6.11	5/A6.11	6/A6.11	1	■	■		
DB18	C	PROPOSED TRAINERS ROOM	SINGLE	WOOD	WOOD VENEER			3'-0"	7'-0"	■		MTL	4/A6.11	5/A6.11	6/A6.11	7				
DB19	C	EXISTING OFFICE	SINGLE	WOOD	WOOD VENEER			3'-0"	7'-0"	■		MTL	4/A6.11	5/A6.11	6/A6.11	4	■			
DB20	B	EXISTING OFFICE	SINGLE	WOOD	WOOD VENEER			2'-4"	7'-0"			MTL	ETR	ETR	3/A6.11	4	■			REUSE EXISTING METAL FRAME, V.I.F. ALL CONDITONS
DB21	B	CL.	SINGLE	WOOD	WOOD VENEER			2'-0"	7'-0"			MTL	ETR	ETR	ETR	12	■			REUSE EXISTING METAL FRAME, V.I.F. ALL CONDITONS
DE1		VESTIBULE	PAIR SINGLE SWING																	EXISTING DOOR AND FRAME, SEE DOOR NOTE #6

Date	9/25/20
Checked	DLF
Drawn	JG

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

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

Revisions:

BID CONFORMANCE SET
11/20/20

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LAN ASSOCIATES LLP
engineering • planning • architecture • surveying
252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615–0350

SED PROJECT #66-08-01-06-0-005-020

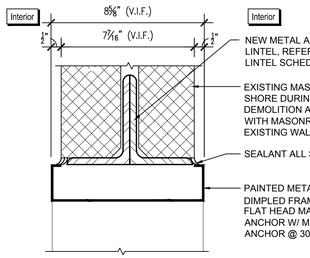
DOOR SCHEDULE & ELEVATIONS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

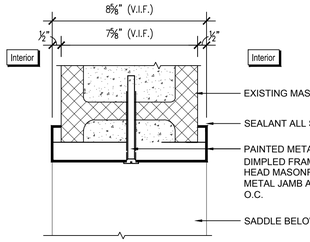
File No. 144908A610

A6.10



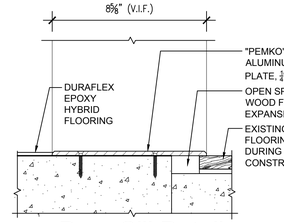
1 A6.11 **Door Head Detail**

3" = 1'-0"



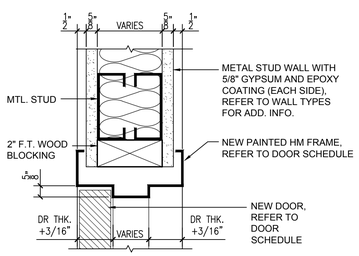
2 A6.11 **Door Jamb Detail**

3" = 1'-0"



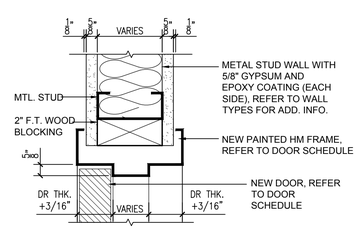
3 A6.11 **Door Sill Detail**

3" = 1'-0"



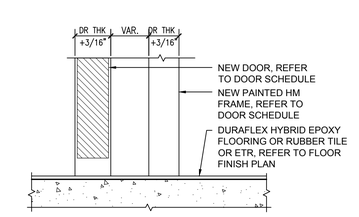
4 A6.11 **Head Detail**

3" = 1'-0"



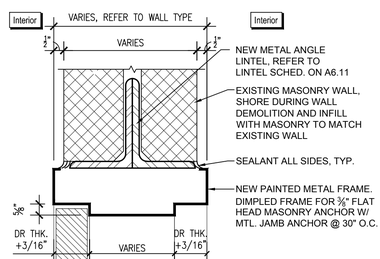
5 A6.11 **Jamb Detail**

3" = 1'-0"



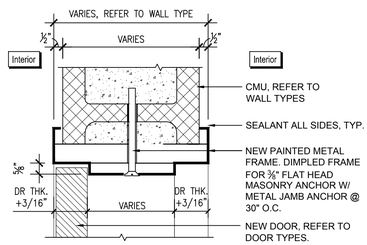
6 A6.11 **Sill Detail**

3" = 1'-0"



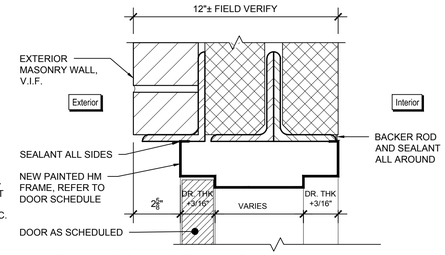
7 A6.11 **Door Head Detail**

3" = 1'-0"



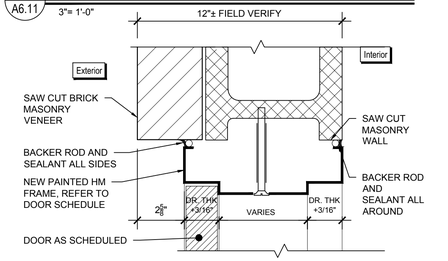
8 A6.11 **Door Jamb Detail**

3" = 1'-0"



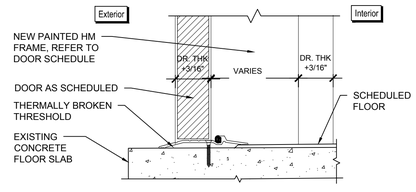
9 A6.11 **Door Head Detail**

3"= 1'-0"



10 A6.11 **Door Jamb Detail**

3"= 1'-0"



11 A6.11 **Door Sill Detail**

3" = 1'-0"

Masonry Wall Notes

1. ALL MASONRY CONSTRUCTION, REINFORCED AND UNREINFORCED, SHALL COMPLY WITH THE REQUIREMENTS OF THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES," ACI 530-95 AND THE "SPECIFICATION FOR MASONRY STRUCTURES," ACI 530.1-95.

2. MATERIAL SPECIFICATIONS:
   - A. HOLLOW CONCRETE UNITS: ATSM C-90 (F'M = 1,350 PSI)
   - B. REINFORCING BARS: ASTM A615, GRADE 60.
   - C. JOINT REINFORCEMENT: ASTM A82
     - SIDE ROD DIAMETER: 0.1875 INCH
     - CROSS ROD DIAMETER: 0.1483 INCH
   - D. MORTAR: ASTM C270, TYPE M.
   - E. GROUT: ASTM C476, 2500 PSI @ 28 DAYS.
     - MINIMUM SLUMP = 8 INCHES.

3. ALL MASONRY WALLS SHALL BE CONSTRUCTED WITH HORIZONTAL JOINT REINFORCEMENT AT 16 INCHES ON CENTER.

4. PLACE MASONRY UNITS ON FULL MORTAR BED IN ALL COURSES OF BEARING WALLS, PIERS, FOUNDATION WALLS, COLUMNS, AND PILASTERS. PROVIDE ANCHORAGE WHERE MASONRY IS ADJACENT TO STEEL FRAMING.

5. PROVIDE ONE VERTICAL REINFORCING BAR WITHIN 16 INCHES OF EACH SIDE OF EVERY CORNER AND AT EACH SIDE OF ALL WALL OPENINGS.

6. REINFORCEMENT SHALL BE PLACED ACCURATELY AND SECURED AT INTERVALS NOT TO EXCEED 72 INCHES. MINIMUM SPACING BETWEEN BARS OR MASONRY SURFACES SHALL BE ONE BAR DIAMETER. LAPPED SPLICES SHALL BE A MINIMUM OF 40 BAR DIAMETERS. PROVIDE LAP-JOINT TIE FOR EACH SPLICE.

7. CAVITIES CONTAINING REINFORCEMENT OR BELOW BEARING PLATES SHALL BE GROUTED BY MEANS OF LOW-LIFT TECHNIQUES. HIGH-LIFT GROUTING MAY BE USED ONLY WITH PRIOR APPROVAL OF THE ARCHITECT. FOLLOW ACI SPECIFICATIONS FOR MASONRY GROUTING.

8. VERTICAL REINFORCING SHALL EXTEND THROUGH BOND BEAMS WHERE SHOWN. CUT BOTTOM OF MASONRY UNIT TO ACCOMMODATE VERTICAL BAR. GROUT CAVITIES BELOW BOND BEAM PRIOR TO INSTALLATION OF BOND BEAM COURSE.

LINTEL SCHEDULE

MARK	M.O. SIZE	DESCRIPTION	WALL TYPE	LINTEL SIZE
L-1	4'-0"	LOOSE STEEL ANGLES	8" BLOCK	(2) – L6 x 3 1/2 x 3/8 FULL FILLET WELD TO EXIST. COLUMN, ONE END, AT DOOR DA02
L-2	3'-4"	LOOSE STEEL ANGLES (See Detail B/A6.11)	8" BLOCK 4" VENEER	(4) – L4 x 3 1/2 x 3/8 LONG LEG VERTICAL
L-3	11'-0"	I-BEAM TO PLATE WELDED (See Detail A/A6.11)	8" BLOCK 4" VENEER	W8x40 + 3/8" x 11" PLATE

Light Gage Notes

1. ALL LIGHT GAGE FRAMING DETAILS SHALL BE REVIEWED BY THE ARCHITECT FOR CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.

2. FABRICATION AND INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH THE AISI SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS.

3. SCREW PENETRATION THROUGH JOINED MATERIALS SHALL NOT BE LESS THAN THREE EXPOSED THREADS. SELECT SCREWS WITH AN ADEQUATE CUTTING TOP TO ACCOMMODATE THE TOTAL THICKNESS TO BE DRILLED. DRILLING MUST BE COMPLETED BEFORE THREADS ENGAGE THE MATERIAL.

4. HILTI FASTENERS SHALL BE AS MANUFACTURED BY HILTI, INC., TULSA, OKLAHOMA. REFER TO MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION REQUIREMENTS.

5. CONSULT THE CONTRACT DOCUMENTS FOR MINIMUM COATING REQUIREMENTS OF SCREWS.

6. STUD ENDS MUST BE SQUARE CUT UNLESS OTHERWISE SHOWN. AXIAL LOADED SINGLE AND MULTIPLE STUDS AND HEADERS SHALL BE SEATED IN TRACKS TO ASSURE TRANSFER OF LOAD. THE MAXIMUM GAB BETWEEN THE TRACK WEB AND END OF THE STUDS SHALL NOT EXCEED 1/16".

7. UNIFORM AND LEVEL BEARING SUPPORT SHALL BE PROVIDED FOR ALL FRAMING.

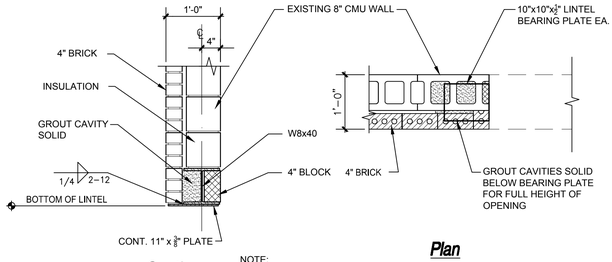
8. MECHANICAL BRIDGING ATTACHED TO THE TOP AND BOTTOM OF JOISTS, SPACED AT INTERVALS AS SHOWN HEREIN, OR AT 7'-0" O.C. MAXIMUM SPACING, SHALL BE INSTALLED PRIOR TO ATTACHMENT OF SHEATHING AND LOADING. ALL FLOOR OR ROOF SHEATHING SHALL BE MECHANICALLY FASTENED OR WELED TO EACH JOIST OR STUD, UNLESS OTHERWISE NOTED.

9. FIELD CUTTING OF STEEL FRAMING MEMBERS SHALL BE BY SAW OR SHEAR. TORCH CUTTING IS NOT PERMITTED.

10. WHERE REQUIRED, TEMPORARY BRACING SHALL BE PROVIDED AND REMAIN IN PLACE UNTIL THE WORK IN COMPLETELY STABILIZED.

11. SPLICING OF FRAMING OTHER THAN AS SHOWN IN THESE DRAWINGS IS NOT PERMITTED.

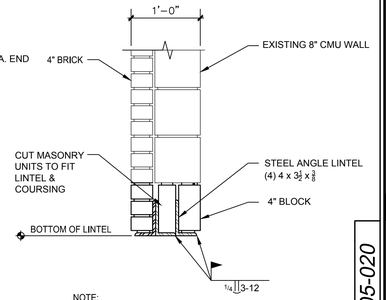
12. THE COLD FORMED STEEL FRAMING PRODUCT DESCRIPTIONS AND NOMENCLATURE SHOWN HEREIN ARE SPECIFIC TO SHAPES MANUFACTURED BY MARINO WARE INDUSTRIES, SOUTH PLAINFIELD, NEW JERSEY. THE STRUCTURAL PROPERTIES AND LOAD TABLES USED HEREIN ARE BASED ON ANALYSIS OF THE AISI SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS.



NOTE:
BEAR 8" MINIMUM EACH END. GROUT BLOCK SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.

A A6.11 **Typical "W" Lintel Detail "L-3"**

N.T.S.



NOTE:
BEAR 8" MINIMUM EACH END. GROUT BLOCK SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.

B A6.11 **Typical Lintel Detail "L-2"**

N.T.S.

Date	9/25/20
Checked	DLF
Drawn	JG

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

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

Revisions:

BID CONFORMANCE SET
11/20/20

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252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615-0350

SED PROJECT #66-08-01-06-0-005-020

DOOR DETAILS & LINTEL SCHEDULE

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 144908A610

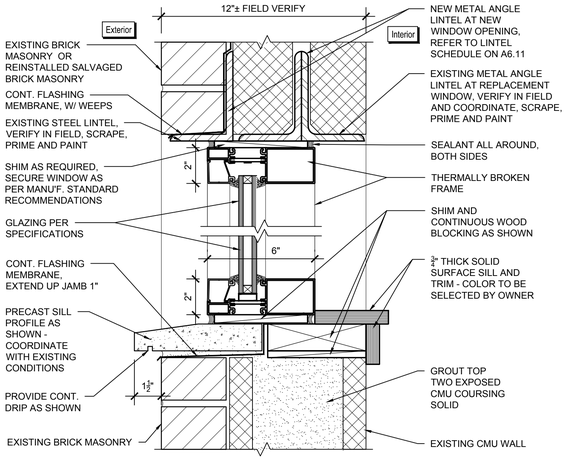
A6.11

WINDOW SCHEDULE

WINDOW NO.	WINDOW TYPE	ROOM NAME/ NUMBER	OPERATION	GLAZING TYPE		SHADES		SCREENS		NOTES
				OUTSIDE	INSIDE	SOLAR SHADE	BLACKOUT	SECURITY SCREEN	INSECT SCREEN	
FIRST FLOOR										
WO1	A	128A	DBL							EGRESS WINDOW
WO2	D	128A	FIXED							WINDOW REPLACEMENT
WO2	D	128A	FIXED							WINDOW REPLACEMENT
WO3	C	128B	VARY							NEW OPENING
WO2	D	130N	FIXED							WINDOW REPLACEMENT
WO5	E	130M	DBL							NEW OPENING
WO4	B	130H	DBL							WINDOW REPLACEMENT
WO4	B	130F	DBL							WINDOW REPLACEMENT

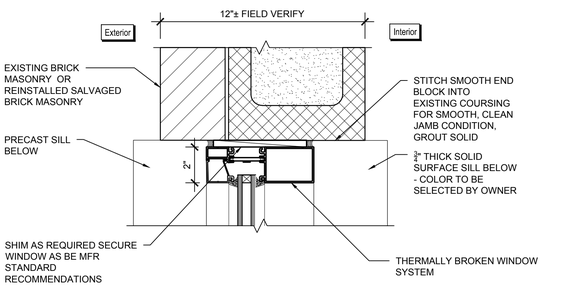
INTERIOR FINISH SCHEDULE

ROOM NO.	ROOM NAME	SUB-FLOOR	FLOOR FINISH	BASE	BASE HEIGHT	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	SIGNAGE SET	NOTES	CEILING	CEILING HEIGHT	ROOM NO.
FIRST FLOOR														
128A	PROP. GIRL'S LOCKER ROOM	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			OTA	12'-8" BOT. DECK	128A
128B	PROP. BOY'S LOCKER ROOM	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			OTA	12'-8" BOT. DECK	128B
128C	PROPOSED OFFICE	CONC.	EPOXY	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			ACT	9'-0"	128C
128D	PROPOSED OFFICE	CONC.	EPOXY	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			ACT	9'-0"	128D
128E	PROPOSED BATHROOM	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9-0"	128E
128F	PROPOSED GIRL'S BATHROOM	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9'-6"	128F
128G	PROPOSED BOY'S BATHROOM	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9'-6"	128G
128H	PROPOSED MECHANICAL ROOM	CONC.	EPOXY	-	-	EPOXY	EPOXY	EPOXY	EPOXY			OTA	12'-8" BOT. DECK	128H
128I	PROP. JAN. CL.	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9'-0"	128I
130	PROPOSED CORRIDOR	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP. / ACT	VARIES	130
130 CL	CLOSET OFF CORRIDOR	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9'-0"	130 CL.
130A	EXISTING MECH. / ELEC. ROOM	CONC.	EPOXY	-	-	EPOXY	EPOXY	EPOXY	EPOXY			OTA	12'-8" BOT. DECK	130A
130B	EXISTING OFFICE	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			ACT	9'-0"	130B
130C	EXISTING BATHROOM	CONC.	EPOXY	INTEGRAL COVE BASE	ETR	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	8'-9" EXIST.	130C
130D	PROPOSED STORAGE ROOM	CONC.	EPOXY	VB	4"	PAINT	PAINT	PAINT	PAINT			OTA	12'-8" BOT. DECK	130D
130E	PROPOSED STORAGE ROOM	CONC.	EPOXY	VB	4"	PAINT	PAINT	PAINT	PAINT			OTA	12'-8" BOT. DECK	130E
130F	PROPOSED TRAINER'S ROOM	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP. / ACT	9'-0"	130F
130G	PROPOSED VESTIBULE	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			ACT	9'-0"	130G
130H	PROP. WOMEN'S TOILET ROOM	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9'-6"	130H
130I	PROPOSED VESTIBULE	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			ACT	9'-0"	130I
130J	PROP. JAN. CL	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9'-0"	130J
130K	PROP. MEN'S TOILET ROOM	CONC.	EPOXY	INTEGRAL COVE BASE	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9'-6"	130K
130L	PROPOSED OFFICE	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			ACT	9'-0"	130L
130M	PROPOSED OFFICE	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			ACT	9'-0"	130M
130M CL	CLOSET	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9'-0"	130M CL.
130N	PROPOSED SGI ROOM	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			ACT	9'-6"	130N
130N CL	CLOSET	CONC.	RB	VB	4"	EPOXY	EPOXY	EPOXY	EPOXY			PTD. GYP.	9'-0"	130N CL.



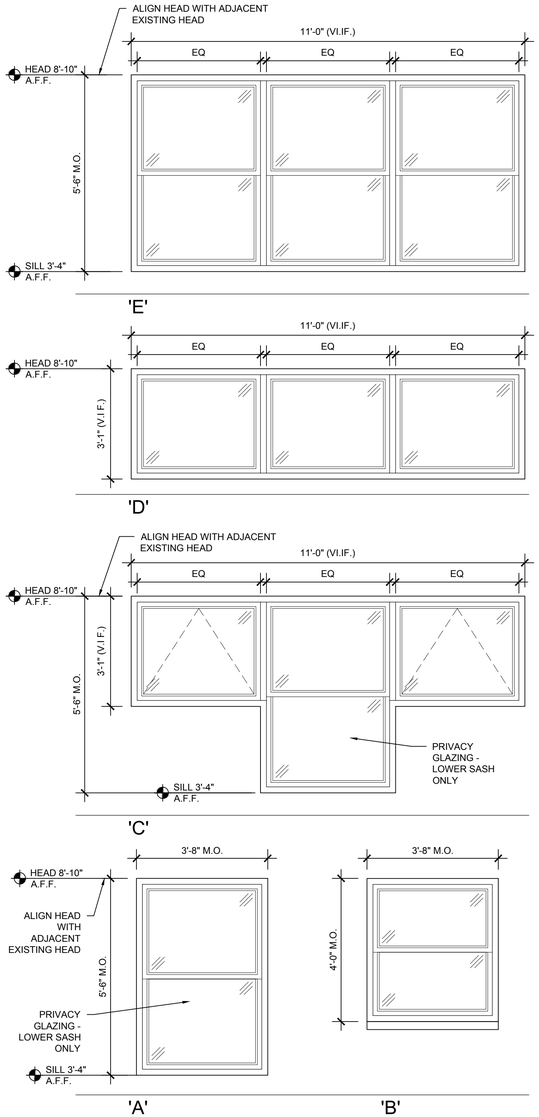
2 / A6.12 Window Head and Sill Detail's

3" = 1'-0"



1 / A6.12 Window Jamb Detail

3" = 1'-0"



Window Types

1/2" = 1'-0"

WINDOW NOTES

1. WINDOWS SHALL BE ALUMINUM FIXED WINDOWS BY "GRAHAM ARCHITECTURAL PRODUCTS" SERIES GT1400.
2. ALL WINDOW WORK IS TO BE PREFORMED BY THE GENERAL CONTRACTOR.

Date	9/25/20
Checked	DLF
Drawn	JG

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

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Revisions:

BID CONFORMANCE SET 11/20/20

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SED PROJECT #66-08-01-06-0-005-020

WINDOW AND INTERIOR FINISH SCHEDULES
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 144908A610

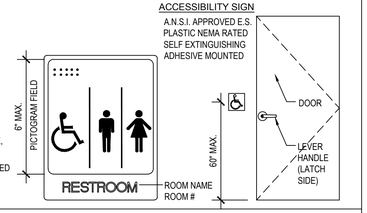
A6.12

ADA ROOM SIGNAGE

1. LETTERS AND NUMERALS MUST BE RAISED 1/32" FROM SIGN SURFACE.
2. CHARACTER HEIGHT MUST BE AT LEAST 5/8" BUT NOT EXCEED 2".
3. TYPE STYLE FOR LETTERS AND NUMBERS SHALL BE "SANS SERIF". CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
4. WORDS AND NUMBERS MUST BE CONVERTED INTO GRADE 2 BRAILLE, AND BE APPLIED TO SIGN.
5. PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW PICTOGRAM.

ACCESSIBILITY SIGN

A.N.S.I. APPROVED E.S. PLASTIC NEMA RATED SELF EXTINGUISHING ADHESIVE MOUNTED



SIGNAGE NOTES:
1. ALL SIGNAGE SHALL CONFORM WITH THE ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES GUIDELINES IN ACCORDANCE WITH ICC/ANSI A117.1-2003.

2. CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED SIGNAGE. COORDINATE ROOM NAMES AND NUMBERS WITH FINISH SCHEDULE AND OWNER'S REQUIREMENTS, TYPICAL.

3. APPROXIMATE SIZE OF ADA ROOM SIGNAGE IS 6" X 6" FOR CLASSROOMS AND 6" X 8" FOR TOILET ROOMS WITH PICTOGRAMS. SIZE MAY CHANGE UPON NUMBER OF CHARACTERS. REFER TO SPECIFICATION SECTION AND ICC/ANSI A117.1-2003.

TOILET FIXTURE & ACCESSORY SCHEDULE

- (A) ADA TILT MIRROR: "BOBRICK" MODEL #B-293 1830 18"X30" S.S. FIXED-POSITION TILT MIRROR.
- (B) MIRROR: "BOBRICK" MODEL #B-165 1830 18"X30" S.S. CHANNEL FRAME MIRROR.
- (C) SOAP DISPENSER: "BOBRICK" CONTURA SERIES MODEL #B-4112 SURFACE-MOUNTED SOAP DISPENSER.
- (D) TOILET TISSUE DISPENSER: "BOBRICK" MODEL #B-274 DOUBLE-ROLL TOILET TISSUE DISPENSER WITH CONTROLLED DELIVERY.
- (E) SANITARY NAPKIN DISPOSAL: "BOBRICK" MODEL #B-270 CONTURA SERIES SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL (GIRL'S ROOMS ONLY)
- (F) ADA HAND DRYER: "BOBRICK." MODEL #B-7128 QUIETDRY SERIES TRIMDRY SURFACE-MOUNTED ADA DRYER. SATIN STAINLESS STEEL COVER. 208-240V.
- (G) LAVATORY PROTECTIVE ENCLOSURE "LAV SHIELD" BY "TRUEBRO INC.". MODEL #2018-AS-C. PROVIDE AN ENCLOSURE AT EACH LAVATORY.
- (H) TOILET PARTITIONS: FLOOR MOUNTED OVERHEAD-BRACED SOLID PLASTIC HDPE "HINY HIDERS" BY "SCRANTON ". 1" THICK DOORS, PANELS AND PILASTERS. 1" THICK POST-MOUNTED URINAL SCREENS (FLOOR MOUNTED). HEAVY-DUTY ALUMINUM HARDWARE AND ACCESSORIES. CONTINUOUS ALUMINUM HINGES, AND HEAVY DUTY ALUMINUM LATCH & KEEPERS, DOOR BUMPER AND DOOR PULL.
- (J) 18" VERTICAL GRAB BAR: "BOBRICK" MODEL #B-5806.99, STAINLESS STEEL 1-½" DIAMETER PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
- (K) 36" HORIZONTAL (REAR) GRAB BAR: "BOBRICK" MODEL #B-5806.99, STAINLESS STEEL 1-½" DIAMETER PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
- (L) 42" HORIZONTAL (SIDE) GRAB BAR: "BOBRICK" MODEL #B-5806.99, STAINLESS STEEL 1-½" DIAMETER PEENED NON-SLIP GRIPPING SURFACE WITH POLISHED FLANGE.
- (M) WASTE RECEPTACLE: "BOBRICK" MODEL #B-43644 CONTURA SERIES ADA RECESSED WASTE RECEPTACLE.
- (N) FULL LENGTH MIRROR: "BOBRICK" MODEL #B-290 2472 24"X72" WELDED-FRAME FULL LENGTH MIRROR.
- (P) MIRROR WITH SHELF: "BOBRICK" MODEL #B-166 2436 24"X36" CHANNEL-FRAMED MIRROR/ SHELF COMBINATION.
- (Q) SHOWER BENCH: "SCRANTON" 9½" DEEP WALL MOUNTED BENCH. LENGTH VARIES.
- (R) SHOWER CURTAIN WITH ROD: "BOBRICK" MODEL #B-207 (ROD) AND #204-2 (CURTAIN). PROVIDE WITH APPROPRIATE NUMBER OF #204-1 HOOKS.
- (S) 10"x10" STAINLESS STEEL ACCESS DOOR
- (T) SURFACE MOUNTED PAPER TOWEL DISPENSER "BOBRICK" MODEL #B-262
- (U) ROBE HOOK: "BOBRICK" MODEL #B-233
- (V) WALL MOUNTED BABY CHANGING STATION: "BOBRICK" MODEL #KB-200, COLOR PER OWNER SELECTION

NOTES:
1. CONTRACTOR TO PROVIDE ALL CONCEALED ARM CHAIR SUPPORTS FOR ALL PLUMBING FIXTURES REQUIRED.
2. REFER TO PLUMBING FIXTURE SCHEDULE ON PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

- (P-1) WALL HUNG TOILET
- (P-2) WALL HUNG TOILET: ADA COMPLIANT
- (P-3) WALL HUNG LAVATORY
- (P-3A) WALL HUNG LAVATORY: ADA COMPLIANT
- (P-4) WALL HUNG URINAL: ADA COMPLIANT
- (P-5) FLOOR DRAIN
- (P-6) WALL HUNG BOTTLE FILLING STATION WITH SINGLE ADA WATER COOLER
- (P-7) FLOOR MOUNTED MOP SINK
- (P-8) SHOWER STALL
- (P-9) SHOWER STALL: ADA COMPLIANT
- (P-10) COUNTER DROP-IN SINK
- (P-11) THERAPY ICE TUB
- (P-12) HOSE BIBB

WOOD BLOCKING NOTES

1. ALL WOOD BLOCKING IS BY GENERAL CONTRACTOR. A WOOD BLOCKING INSPECTION IS REQUIRED BY THE CONSTRUCTION MANAGER PRIOR TO ENCLOSING WALLS.
2. CONTRACTOR SHALL PROVIDE P.T. BLOCKING FOR ALL TOILET ROOMS ACCESSORIES PROVIDED AS PART OF THE CONTRACT AND THOSE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR. THIS SHALL INCLUDE BUT NOT BE LIMITED TO TOILET PARTITIONS, GRAB BARS AND ALL ACCESSORIES MOUNTED TO THE WALL.
3. BLOCKING SHALL BE PROVIDED AS PER SPECIFICATION SECTION 061000- ROUGH CARPENTRY.

PLUMBING FIXTURE CALCULATIONS

REQUIRED FIXTURES PER CODE: PLUMBING CODE OF NEW YORK STATE

CLASSIFICATION	WATER CLOSETS	URINALS	LAVATORIES	SHOWERS	SERVICE SINKS
FEMALE	1:50 (FIXTURES)	N/A	1:50 (50 FIXTURES)	NO REQUIREMENT	1 PER FLOOR
MALE	1:50 (FIXTURES)	SUBSTITUTED FOR NOT MORE THAN 67% OF REQUIRED W.C.			
GIRL'S LOCKER ROOM					OCCUPANCY = 13 FEMALE
FEMALE	1 FIXTURE (REQUIRED) 2 FIXTURE (PROPOSED)	N/A	1 FIXTURE (REQUIRED) 2 FIXTURES (PROPOSED)	1 SHOWER (PROPOSED)	1 FIXTURE PER FLOOR (REQUIRED) 1 FIXTURE PER FLOOR (PROPOSED)
BOY'S LOCKER ROOM					OCCUPANCY = 13 MALE
MALE	1 FIXTURE (REQUIRED) 1 FIXTURE (PROPOSED)	1 FIXTURE (PROPOSED)	1 FIXTURE (REQUIRED) 2 FIXTURES (PROPOSED)	1 SHOWER (PROPOSED)	1 FIXTURE PER FLOOR (REQUIRED) 1 FIXTURE PER FLOOR (PROPOSED)

TYPICAL TOILET ROOM NOTES

1. THE GC SHALL COORDINATE EXACT LOCATIONS OF ALL TOILET ROOM ACCESSORIES WITH OWNER PRIOR TO INSTALLATION.
2. THE PC SHALL INSTALL ALL FIXTURES AND ACCESSORIES AT PROPER MOUNTING HEIGHTS.
3. THE GC SHALL PROVIDE ADEQUATE BLOCKING AT APPROPRIATE MOUNTING HEIGHTS AS REQUIRED FOR ALL ACCESSORIES INCLUDED IN THIS CONTRACT INCLUDING ACCESSORIES SUPPLIED BY OWNER. CONTRACTOR SHALL PROVIDE ALL FASTENERS, ANCHORS, PLATES, ETC. REQUIRED FOR COMPLETE INSTALLATION. ALL FASTENERS SHALL BE STAINLESS STEEL, CORROSION AND VANDAL RESISTANT.
4. THE GC SHALL FURNISH AND INSTALL ALL ADA SIGNAGE AS REQUIRED.
5. THE GC SHALL PROVIDE & INSTALL GRAB BAR ANCHORS FOR SOLID WALL CONSTRUCTION AND CONCEALED ANCHOR PLATE FOR STUD WALL CONSTRUCTION. REFER TO TYPICAL GRAB BAR DETAIL.
6. THE GC SHALL PROVIDE ALL FASTENERS, ANCHORS, PLATES, ETC. REQUIRED FOR COMPLETE INSTALLATION.
7. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE KIND AND OF EQUAL QUALITY.
8. ALL DIMENSIONS ARE FROM FACE OF FINISH MATERIALS, AND REPRESENT CLEAR AREA UNLESS OTHERWISE NOTED.
9. ALL TOILET ROOM ACCESSORIES SHALL BE STAINLESS STEEL.
10. ALL FASTENERS SHALL BE STAINLESS STEEL, CORROSION AND VANDAL RESISTANT.
11. ALL ADA SIGNAGE, TOILET FIXTURE ACCESSORIES, AND WOOD BLOCKING TO BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
12. REFER TO PLUMBING FIXTURE SCHEDULE ON PLUMBING DRAWINGS FOR SPECIFIC PLUMBING FIXTURE SPECIFICATIONS. REFER TO PLUMBING DRAWINGS FOR PIPING LAYOUT.

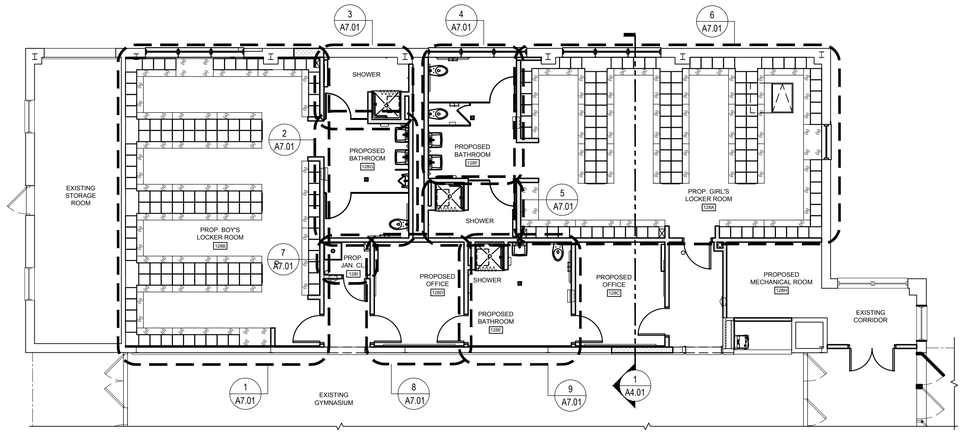
INTERIOR ELEVATION KEY NOTES

(#) SYMBOL INDICATES INTERIOR ELEVATION KEY NOTE

1. EPOXY FINISH FLOOR - REFER TO ROOM FINISH SCHEDULE, FOR ADDITIONAL INFORMATION.
2. EPOXY WALL BASE - REFER TO ROOM FINISH SCHEDULE ADDITIONAL INFORMATION.
3. EPOXY WALL FINISH - REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
4. FINISHED CEILING - REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.
5. NEW SOFFIT- REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.
6. NEW WALL BASE - REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
7. NEW BUILT-IN WALL SHELVING AND HANGER RODS IN CLOSETS.
8. NEW WALL PADDING SYSTEM. MOUNTING HEIGHT AS SHOWN. WRAP ALL COLUMNS AND PILASTERS PER MANUFACTURERS RECOMMENDATIONS. PROVIDE FINISHED CUT-OUTS FOR EQUIPMENT AND ELECTRICAL DEVICES AS INDICATED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9. NEW WALL-MOUNTED MIRRORS - SIZE AND MOUNTING HEIGHT AS SHOWN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
10. AREA OF INFILL CMU TO MATCH EXISTING. REFER TO PLANS FOR ADDITIONAL INFORMATION.
11. EXISTING EXPOSED CEILING FEATURES, METAL DECK, STRUCTURAL STEEL, ELECTRIC CONDUIT, PIPING, BAR JOISTS, ETC. TO BE PAINTED.
12. EXISTING EXPOSED CMU STRUCTURE. PAINT ALL EXPOSED SURFACES, TYP. REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION.
13. NEW LOCKER CLOSURE PANELS. EXPOSED FACE TO MATCH ADJACENT LOCKER DOOR FINISH. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
14. PROVIDE FINISHED END OF LOCKER / CASEWORK.
15. NEW MARKER BOARD. SIZE AND MOUNTING HEIGHT AS SHOWN. REFER TO DETAIL 10/A7.05 FOR ADDITIONAL INFORMATION.
16. NEW TACK BOARD. SIZE AND MOUNTING HEIGHT AS SHOWN. REFER TO DETAIL 10/A7.05 FOR ADDITIONAL INFORMATION.
17. NEW 1" THICK SOLID SURFACE COUNTER TOP WITH 4" BACK-SPLASH AND ½" EASED EDGES. COLOR AS SELECTED BY OWNER. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
18. NEW WINDOW ASSEMBLY. REFER TO WINDOW SCHEDULE, ELEVATIONS AND DETAILS FOR ADD'L. INFO.
19. NEW MASONRY AND CONCRETE LOCKER BASE, REFER TO DETAIL 7/A7.02
20. PAINTED GYP. WALL FINISH, REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

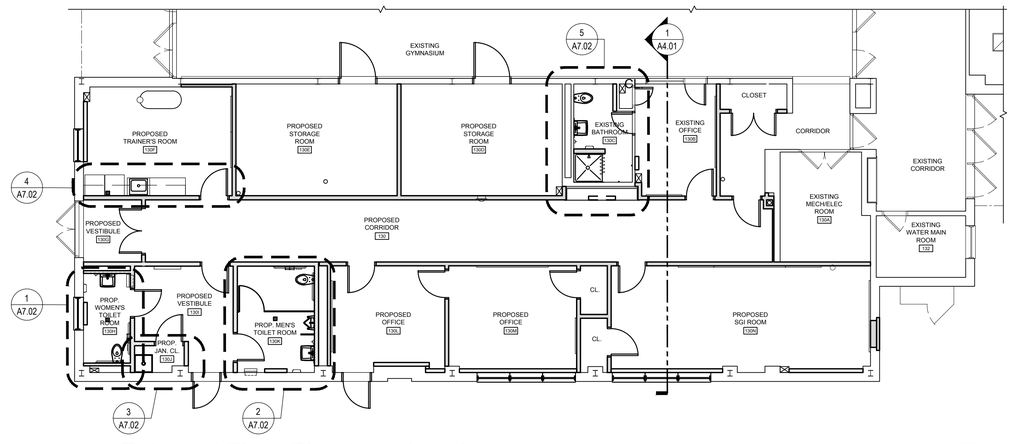
EQUIPMENT SCHEDULE (EX)

ITEM #	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SIZE	ELECTRICAL REQUIREMENTS	QUANTITY	MOUNTED	CONTRACT / N.I.C.	LOCATION	NOTES
NOTE: ALL ITEMS TO BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR UNLESS NOTED OTHERWISE										
(E1)	SINGLE TIER LOCKERS (W/ BENCH)	DEBOURGH	REBEL	15"D x 15"D x 60"H	N/A	SEE PLANS	BUILT-IN	IN CONTRACT BASE BID	LOCKER ROOMS	MOUNTED ON 16" BASE W. 9½" DEEP HDPE BENCH PROVIDE SLOPED TOP AND ADA ACCESSIBLE HANDLES REFER TO LOCKER DETAILS AND SPECIFICATIONS PARTIAL LATTICE MESH DOORS
(E2)	TRIPLE-TIER LOCKERS (W/ BENCH)	DEBOURGH	REBEL	15"D X 15"D X 60"H	N/A	SEE PLANS	BUILT-IN	IN CONTRACT BASE BID	LOCKER ROOMS	MOUNTED ON 16" BASE W. 9½" DEEP HDPE BENCH PROVIDE SLOPED TOP AND ADA ACCESSIBLE HANDLES REFER TO LOCKER DETAILS AND SPECIFICATIONS PARTIAL LATTICE MESH DOORS
(E3)	ADA BENCH (PEDESTAL MOUNT)	SCRANTON	TUFFTEC	(PER PLAN)"L x 24"D (SEAT HEIGHT 18")	N/A	1	PEDESTAL FLOOR MOUNTED	IN CONTRACT BASE BID	LOCKER ROOMS	ADA ACCESSIBLE BENCHES COMPLYING WITH ICC/ANSI A117.1-2003. BENCH LENGTH SHALL BE COORDINATED WITH AS-BUILT CONDITION
(E4)	BENCH (PEDESTAL MOUNT)	SCRANTON	TUFFTEC	(PER PLAN)"L x 9 1/2"D (SEAT HEIGHT 18")	N/A	1	PEDESTAL FLOOR MOUNTED	IN CONTRACT BASE BID	LOCKER ROOMS	BENCH LENGTH SHALL BE COORDINATED WITH AS-BUILT CONDITION



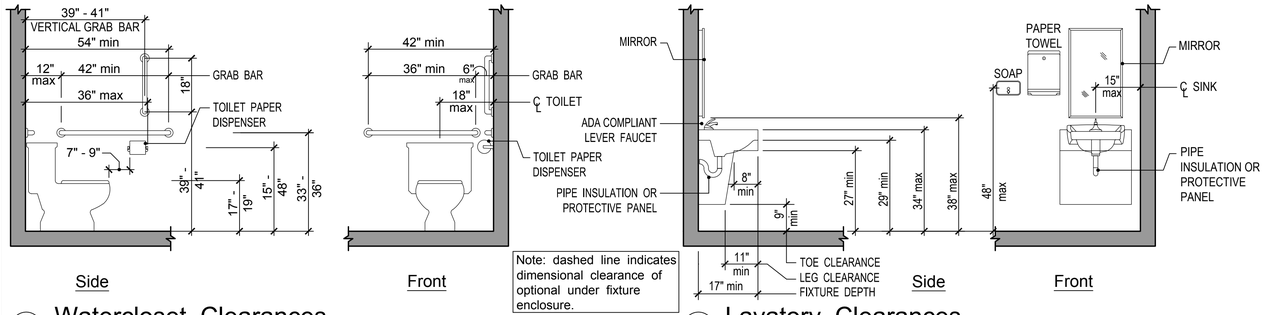
Enlarged Floor Plan Location Key

3 / A7.00 — 1/8" = 1'-0" — NORTH

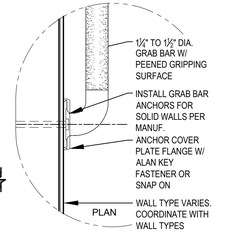


Enlarged Floor Plan Location Key

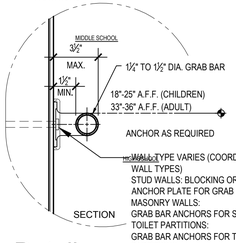
2 / A7.00 — 1/8" = 1'-0" — NORTH



CONTRACTOR SHALL SECURELY MOUNT GRAB BARS TO WALL W/S.S. FASTENERS TO SUPPORT 250 LB. MIN. LOAD, TYP.



INSTALL GRAB BAR ANCHORS, BLOCKING AND/OR CONCEALED ANCHOR PLATES AS REQUIRED FOR STUD, MASONRY, SOLID WALLS AND TOILET PARTITIONS, TYP.



Typ. Grab Bar Details

1 / A7.00 — N.T.S.

Date 9/25/20
Checked DLF
Drawn CTB

REGISTERED ARCHITECT MICHAEL J. McGOVERN STATE OF NEW YORK 022257

MICHAEL J. McGOVERN, R.A. — License No. 022257-1 — Title REGISTERED ARCHITECT

Revisions:
BID CONFORMANCE SET 11/20/20

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SED PROJECT #66-08-01-06-0-005-020

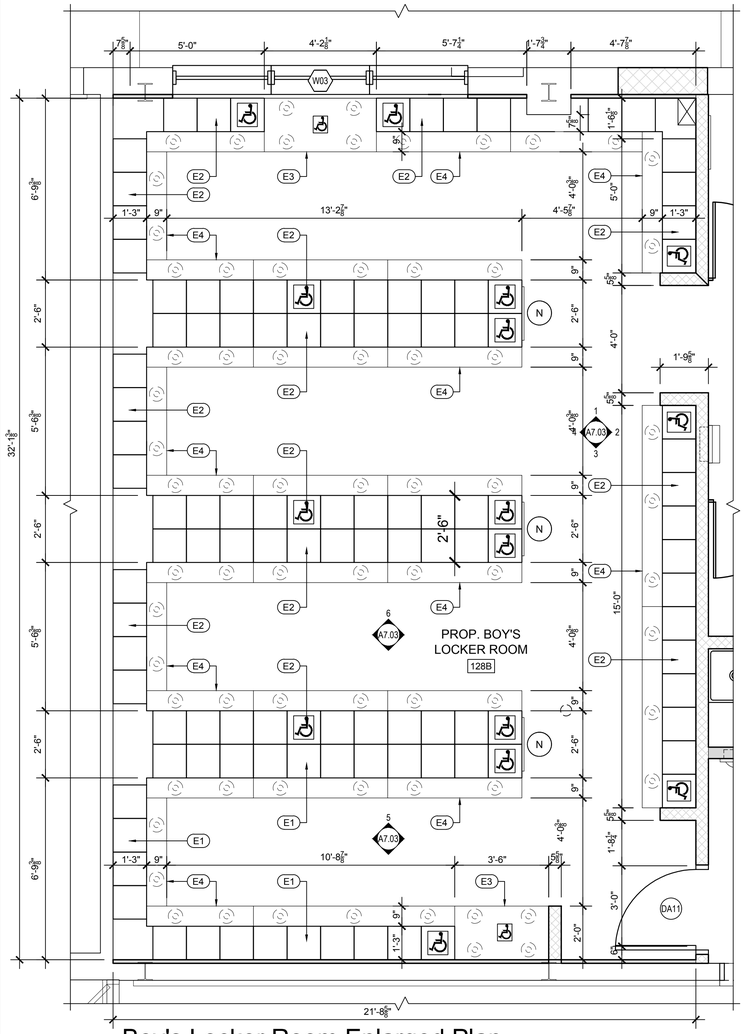
INTERIOR ELEVATION SCHEDULES & DETAILS AND ENLARGED PLANS LOCATION KEY

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

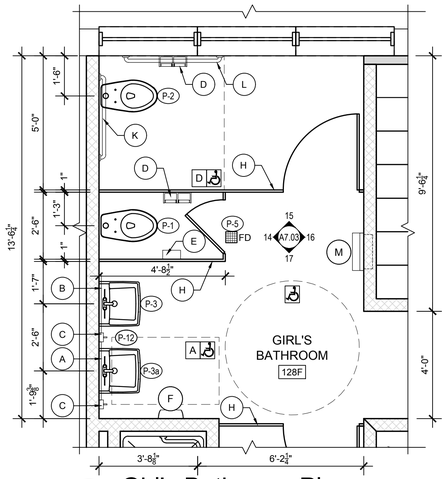
Job No. 4.1449.08

File No. 14490BA700

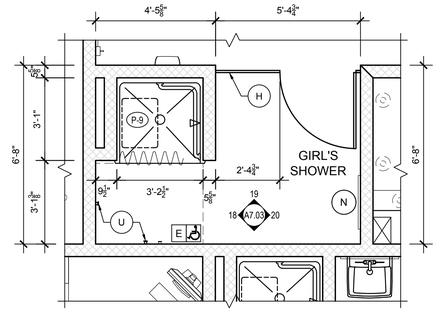
A7.00



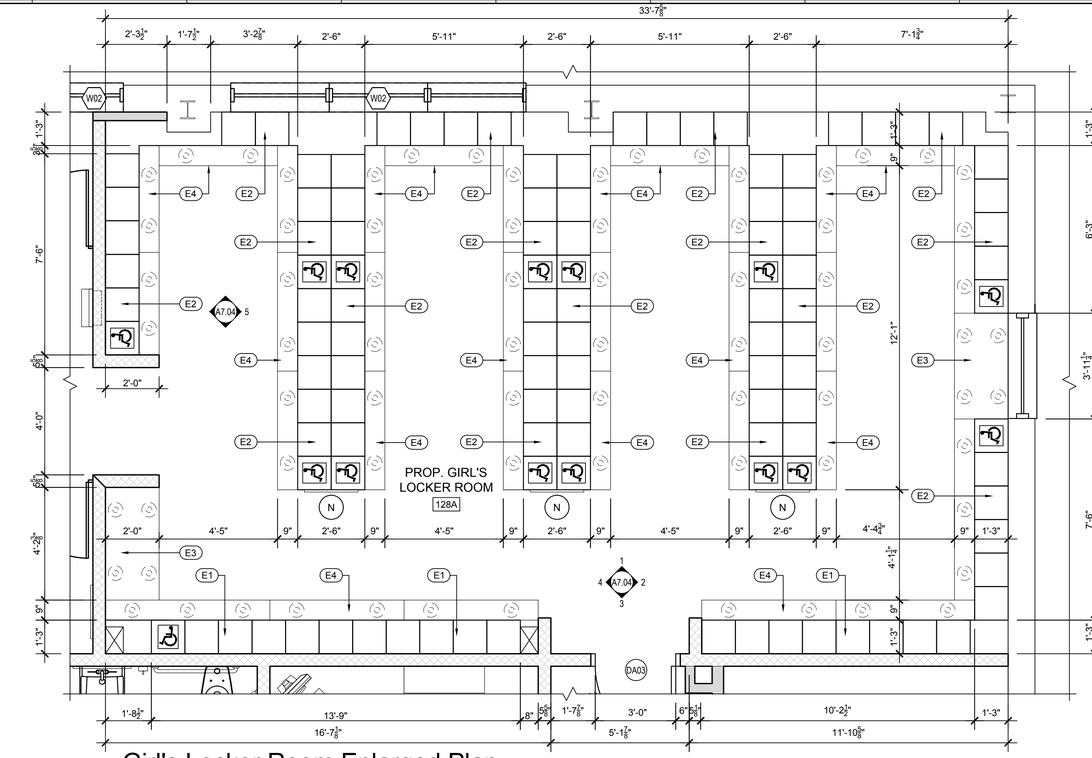
1 A7.01 — Boy's Locker Room Enlarged Plan
3/8" = 1'-0" — ROOM 128B



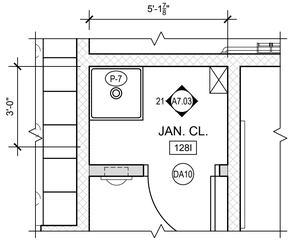
4 A7.01 — Girl's Bathroom Plan
3/8" = 1'-0" — ROOM 128F



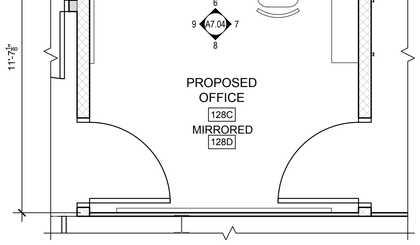
5 A7.01 — Girl's Shower Plan
3/8" = 1'-0" — ROOM 128F



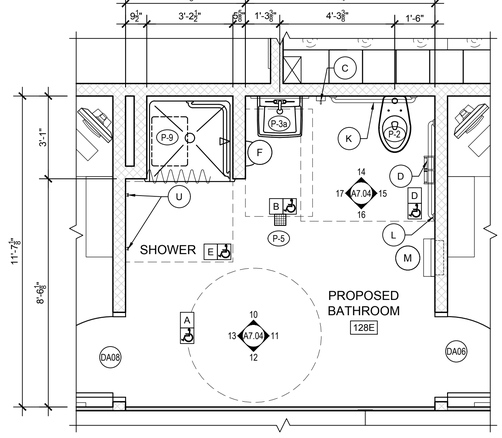
6 A7.01 — Girl's Locker Room Enlarged Plan
3/8" = 1'-0" — ROOM 128A



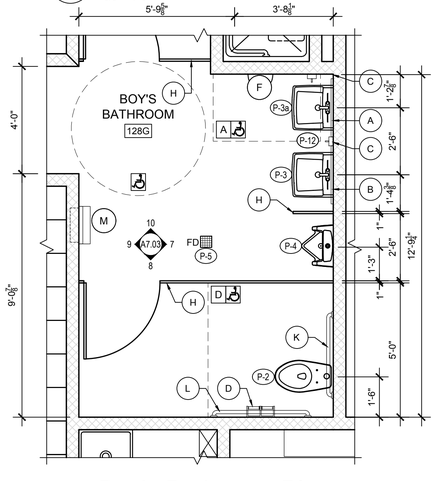
7 A7.01 — Janitors Closet Plan
3/8" = 1'-0" — Room 128I



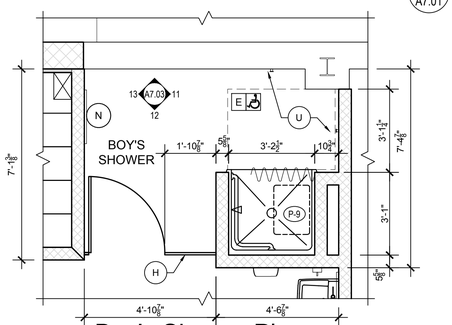
8 A7.01 — Office Plan
3/8" = 1'-0" — ROOMS 128C & 128D



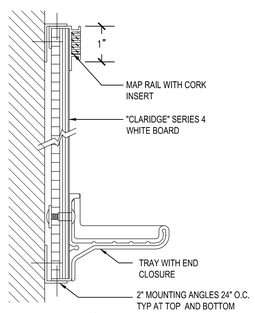
9 A7.01 — Bathroom Plan
3/8" = 1'-0" — ROOM 128E



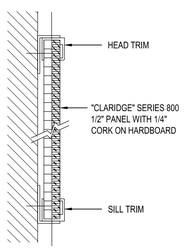
2 A7.01 — Boy's Bathroom Plan
3/8" = 1'-0" — Room 128G



3 A7.01 — Boy's Shower Plan
3/8" = 1'-0" — Room 128G



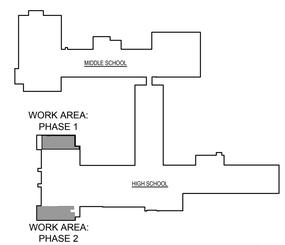
A A7.01 — White Board Section
3" = 1'-0"



B A7.01 — Tack Board Section
3" = 1'-0"

NOTE:
1. CONTRACTOR TO COORDINATE LOCATION OF NEW LOCKERS WITH EXISTING WALLS, COLUMNS ETC. FIELD VERIFY PRIOR TO ORDERING LOCKERS, BENCHES, ETC.

- (X) TOILET ROOM ACCESSORIES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
- (P-X) PLUMBING FIXTURE NOTES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
- (X) ELEVATION KEY NOTES, REFER TO "INTERIOR ELEVATION KEY NOTES" ON A7.00
- (EX) EQUIPMENT KEY NOTES, REFER TO "EQUIPMENT SCHEDULE" ON A7.00
- (X) ACCESSIBILITY NOTES, REFER TO "ACCESSIBILITY NOTES" ON A2.01



Key Plan
NOT TO SCALE
PROJECT NORTH

Date	9/25/20
Checked	MTM
Drawn	LH

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.
Title: REGISTERED ARCHITECT
License No. 022257-1

Revisions:
BID CONFORMANCE SET 11/20/20

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LAN ASSOCIATES
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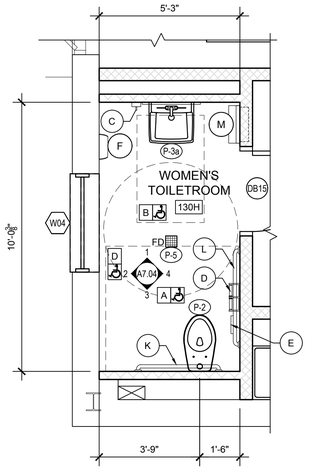
252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615-0350

SED PROJECT #66-08-01-06-0-005-020

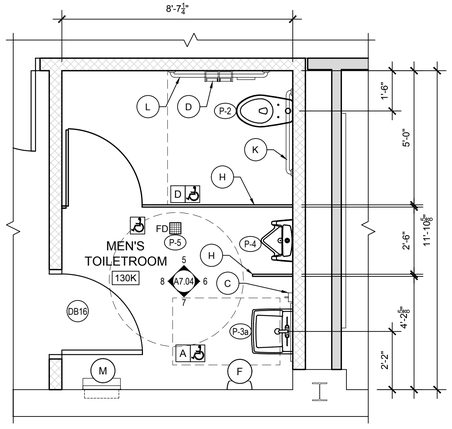
ENLARGED FLOOR PLANS
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08
File No. 4144908A701

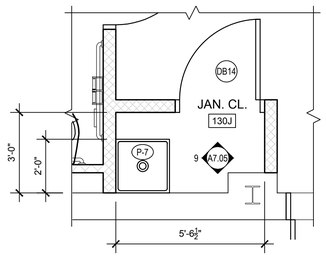
A7.01



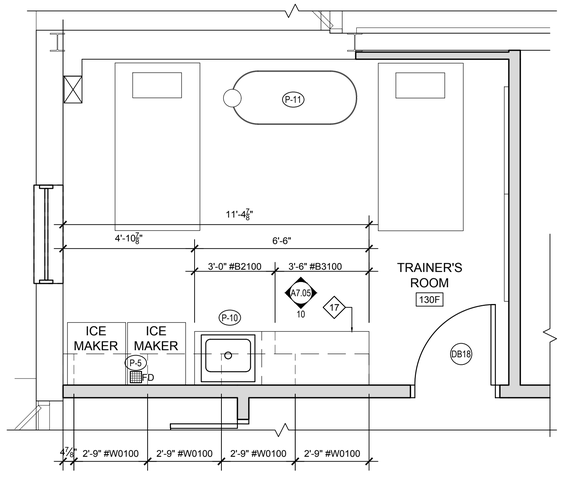
1 A7.02 **Woman's Toiletroom Plan**
3/8" = 1'-0" ROOM 130H



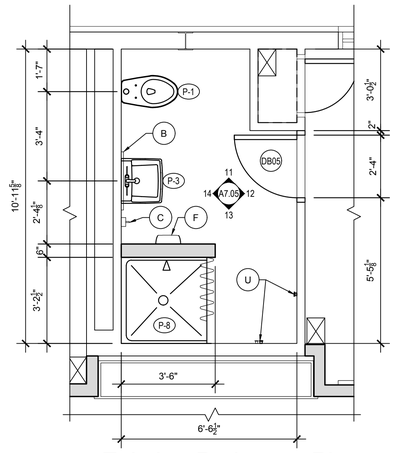
2 A7.02 **Men's Toiletroom Plan**
3/8" = 1'-0" ROOM 130K



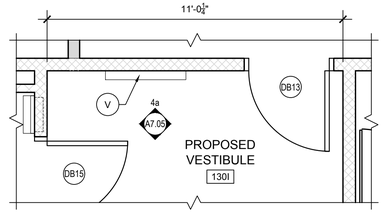
3 A7.02 **Janitors Closet**
3/8" = 1'-0" ROOM 130J



4 A7.02 **Trainer's Room Plan**
3/8" = 1'-0" ROOM 130F

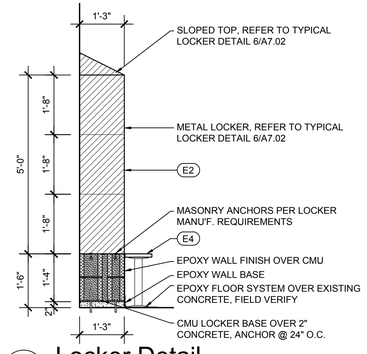


5 A7.02 **Existing Bathroom Plan**
3/8" = 1'-0"



8 A7.02 **Vestibule Plan**
3/8" = 1'-0" ROOM 130I

9 A7.02 **ADA 5' Tall Locker Detail**
1/2" = 1'-0"

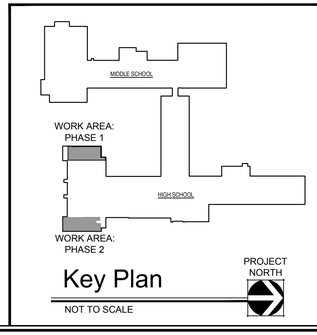


7 A7.02 **Locker Detail**
1/2" = 1'-0"

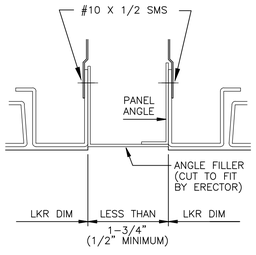
ADA LOCKER NOTES:
1. ALL LOCKER ROOM SHALL BE PROVIDED WITH 5% ADA ACCESSIBLE LOCKERS AS PER ICC A117.1.
2. ADA 3 TIER LOCKERS SHALL BE LOCATED IN THE LOWER TIER OF THE 3-TIER LOCKER UNITS TO ENSURE PROPER REACH RANGES.
3. PROVIDE ONE (1) ADA DOOR LATCH, SHELF, AND IDENTIFICATION PLAQUE FOR EACH ADA LOCKER AS PER SPECIFICATIONS.

NOTE:
1. CONTRACTOR TO COORDINATE LOCATION OF NEW LOCKERS WITH EXISTING WALLS, COLUMNS ETC. FIELD VERIFY PRIOR TO ORDERING LOCKERS, BENCHES, ETC.

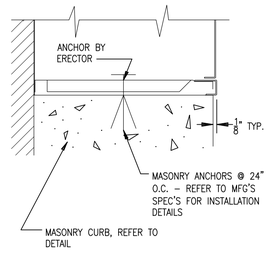
- (X) TOILET ROOM ACCESSORIES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
- (P-X) PLUMBING FIXTURE NOTES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
- (X) ELEVATION KEY NOTES, REFER TO "INTERIOR ELEVATION KEY NOTES" ON A7.00
- (EX) EQUIPMENT KEY NOTES, REFER TO "EQUIPMENT SCHEDULE" ON A7.00
- (X 1) ACCESSIBILITY NOTES, REFER TO "ACCESSIBILITY NOTES" ON A2.01



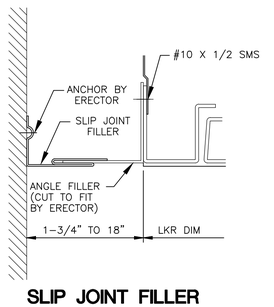
Key Plan
NOT TO SCALE



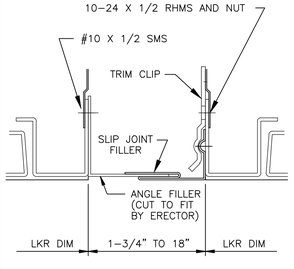
ANGLE FILLER BETWEEN RECESSED LOCKERS



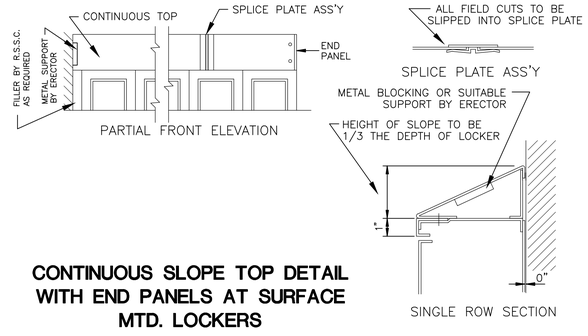
BASE MOUNTING CURB-MOUNTED LOCKERS



SLIP JOINT FILLER AT WALL



SLIP JOINT FILLER BETWEEN RECESSED LOCKERS



CONTINUOUS SLOPE TOP DETAIL WITH END PANELS AT SURFACE MTD. LOCKERS

6 A7.02 **Typical Locker Details**
NTS

Date	9/25/20
Checked	MTM
Drawn	LH

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

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

Revisions:
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11/20/20

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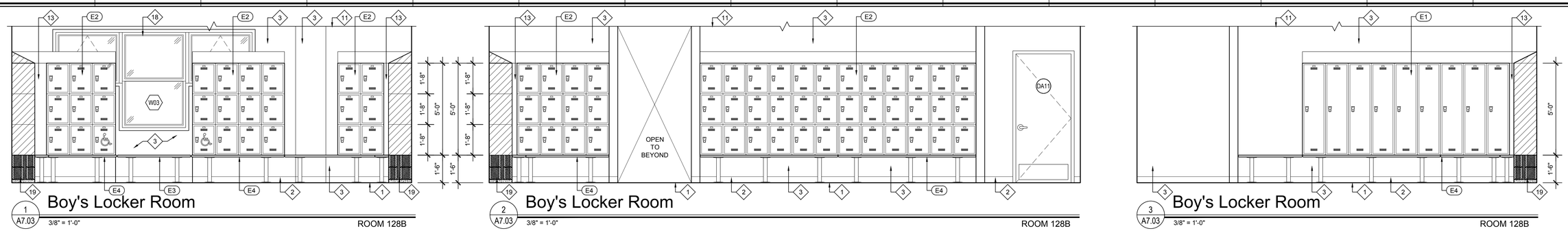
SED PROJECT #66-08-01-06-0-005-020

ENLARGED FLOOR PLANS
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08
File No. 4144908A701

A7.02



1 A7.03 Boy's Locker Room — 3/8" = 1'-0" — ROOM 128B

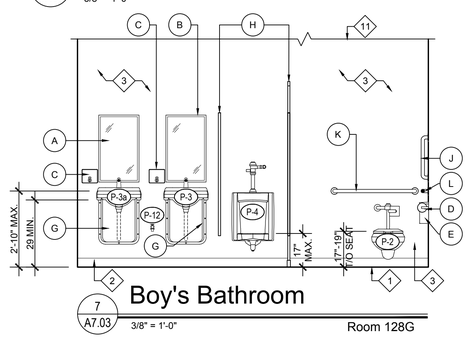
2 A7.03 Boy's Locker Room — 3/8" = 1'-0" — ROOM 128B

3 A7.03 Boy's Locker Room — 3/8" = 1'-0" — ROOM 128B

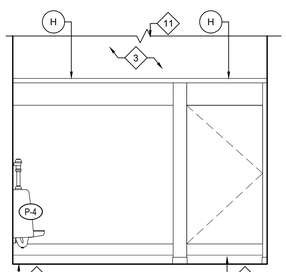
4 A7.03 Boy's Locker Room — 3/8" = 1'-0" — ROOM 128B

5 A7.03 Boy's Locker Room — 3/8" = 1'-0" — ROOM 128B

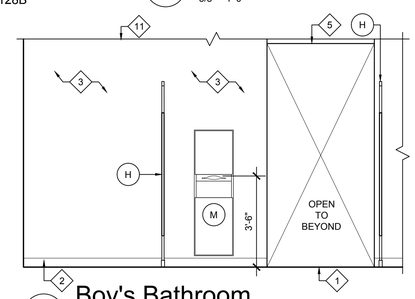
6 A7.03 Boy's Locker Room — 3/8" = 1'-0" — ROOM 128B



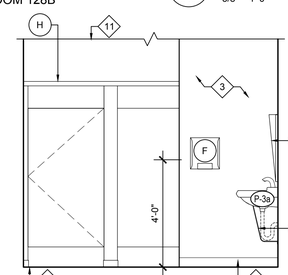
7 A7.03 Boy's Bathroom — 3/8" = 1'-0" — Room 128G



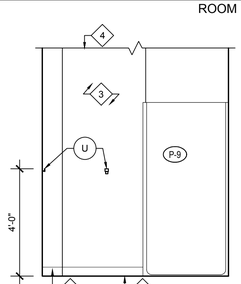
8 A7.03 Boy's Bathroom — 3/8" = 1'-0" — Room 128G



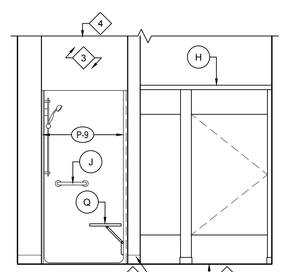
9 A7.03 Boy's Bathroom — 3/8" = 1'-0" — Room 128G



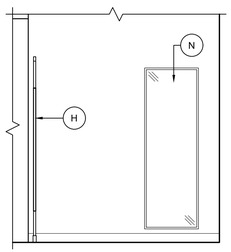
10 A7.03 Boy's Bathroom — 3/8" = 1'-0" — Room 128G



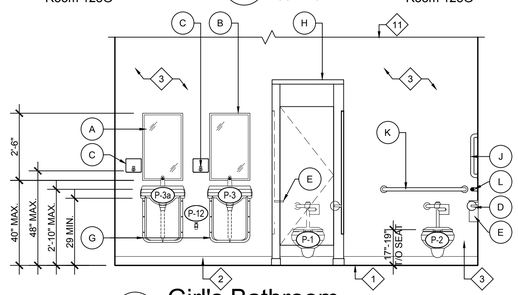
11 A7.03 Boy's Shower — 3/8" = 1'-0" — 128G



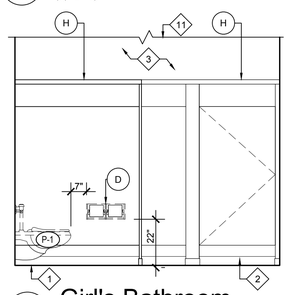
12 A7.03 Boy's Shower — 3/8" = 1'-0" — 128G



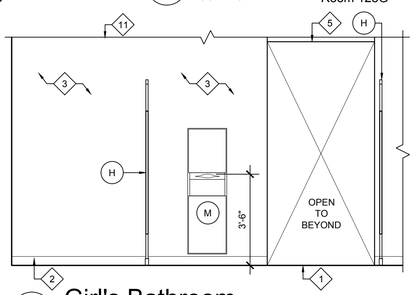
13 A7.03 Boy's Shower — 3/8" = 1'-0" — 128G



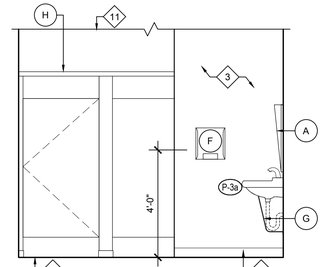
14 A7.03 Girl's Bathroom — 3/8" = 1'-0" — Room 128F



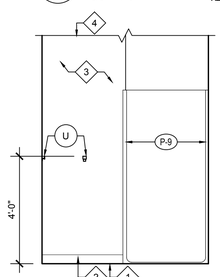
15 A7.03 Girl's Bathroom — 3/8" = 1'-0" — Room 128F



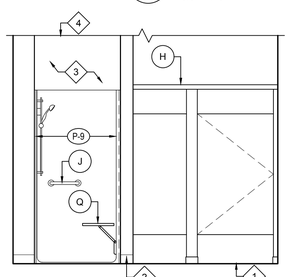
16 A7.03 Girl's Bathroom — 3/8" = 1'-0" — Room 128F



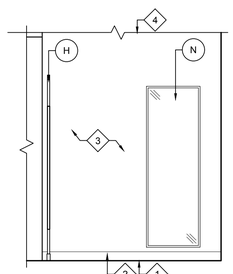
17 A7.03 Girl's Bathroom — 3/8" = 1'-0" — Room 128F



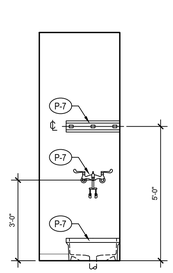
18 A7.03 Girl's Shower — 3/8" = 1'-0" — Room 128F



19 A7.03 Girl's Shower — 3/8" = 1'-0" — Room 128F

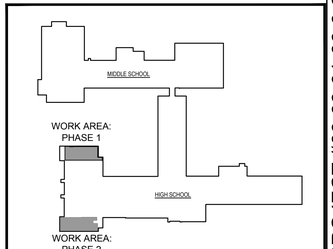


20 A7.03 Girl's Shower — 3/8" = 1'-0" — Room 128F



21 A7.03 Janitor's Room — 3/8" = 1'-0" — Room 128I

X	TOILET ROOM ACCESSORIES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
P-X	PLUMBING FIXTURE NOTES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
X	ELEVATION KEY NOTES, REFER TO "INTERIOR ELEVATION KEY NOTES" ON A7.00
EX	EQUIPMENT KEY NOTES, REFER TO "EQUIPMENT SCHEDULE" ON A7.00



Key Plan

NOT TO SCALE

PROJECT NORTH

SED PROJECT #66-08-01-06-0-005-020

Date 9/25/20
Checked MTM
Drawn LH

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

Revisions:
BID CONFORMANCE SET
11/20/20

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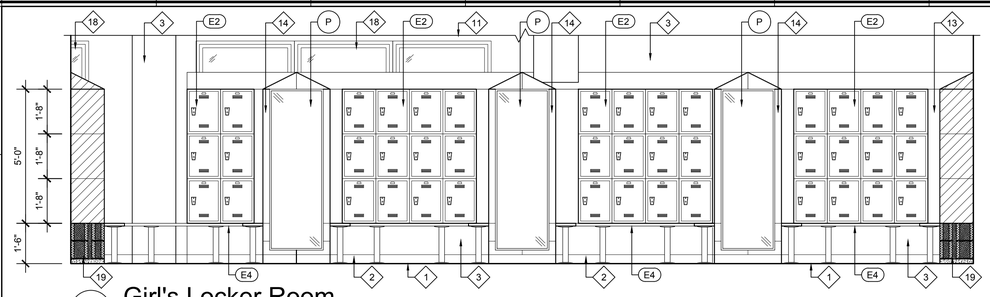
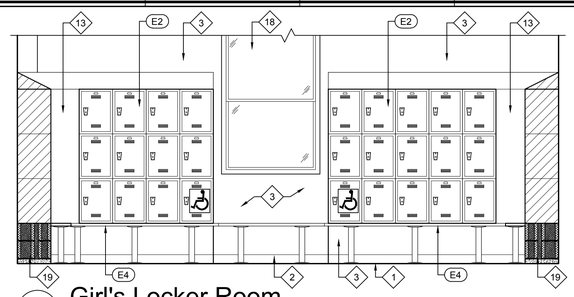
INTERIOR ELEVATIONS
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08
File No. 4144908A701

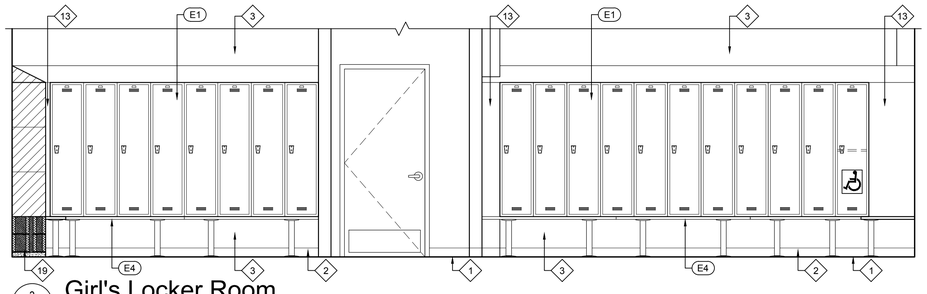
A7.03



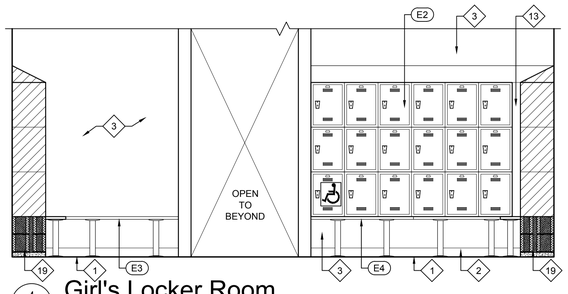
1 A7.04 **Girl's Locker Room** 3/8" = 1'-0" — Room 128A



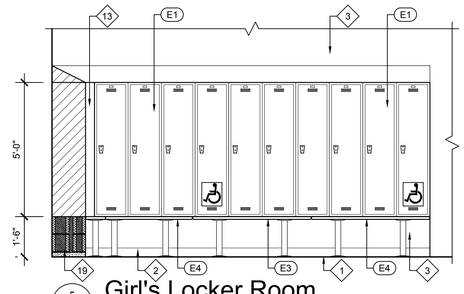
2 A7.04 **Girl's Locker Room** 3/8" = 1'-0" — Room 128A



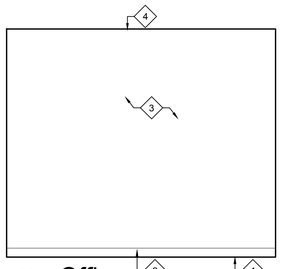
3 A7.04 **Girl's Locker Room** 3/8" = 1'-0" — Room 128A



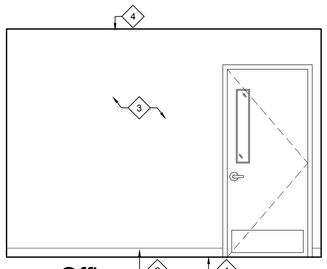
4 A7.04 **Girl's Locker Room** 3/8" = 1'-0" — Room 128A



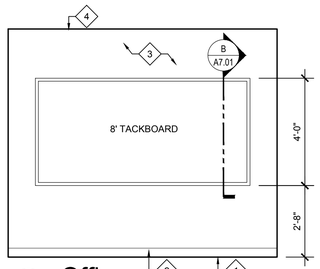
5 A7.04 **Girl's Locker Room** 3/8" = 1'-0" — Room 128A



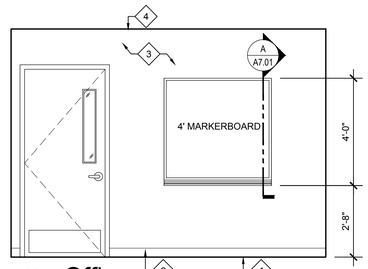
6 A7.04 **Office** 3/8" = 1'-0" — ROOMS 128D & 128C REVERSE



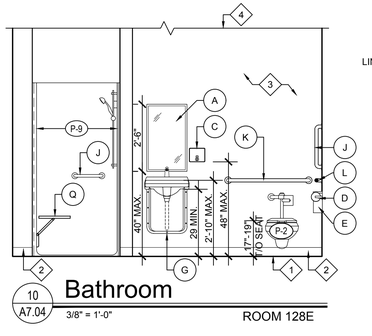
7 A7.04 **Office** 3/8" = 1'-0" — ROOMS 128D & 128C REVERSE



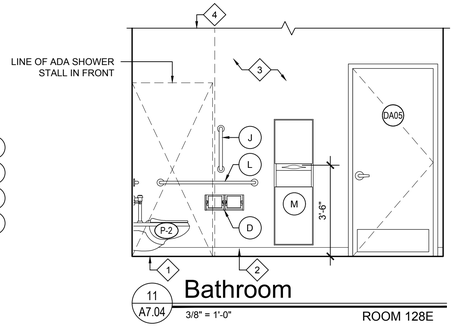
8 A7.04 **Office** 3/8" = 1'-0" — ROOMS 128D & 128C REVERSE



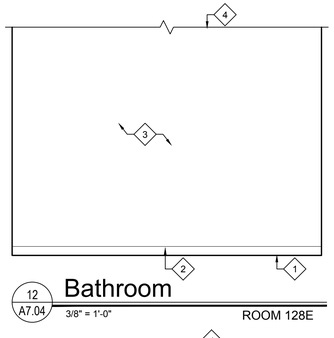
9 A7.04 **Office** 3/8" = 1'-0" — ROOMS 128D & 128C REVERSE



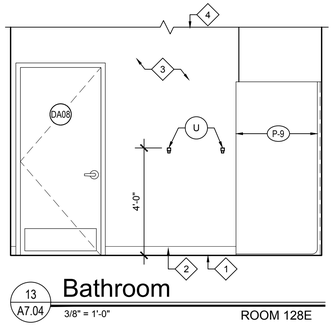
10 A7.04 **Bathroom** 3/8" = 1'-0" — ROOM 128E



11 A7.04 **Bathroom** 3/8" = 1'-0" — ROOM 128E



12 A7.04 **Bathroom** 3/8" = 1'-0" — ROOM 128E



13 A7.04 **Bathroom** 3/8" = 1'-0" — ROOM 128E

OMIT

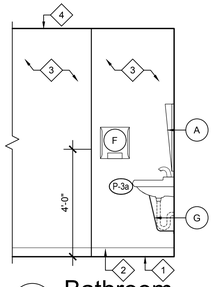
14 A7.04 **Reserved** 3/8" = 1'-0"

OMIT

15 A7.04 **Reserved** 3/8" = 1'-0"

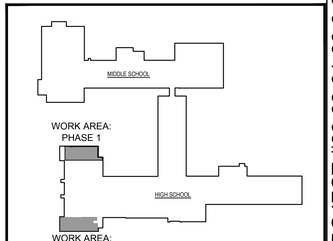
OMIT

16 A7.04 **Reserved** 3/8" = 1'-0"



17 A7.04 **Bathroom** 3/8" = 1'-0"

- (X) TOILET ROOM ACCESSORIES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
- (P-X) PLUMBING FIXTURE NOTES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
- (X) ELEVATION KEY NOTES, REFER TO "INTERIOR ELEVATION KEY NOTES" ON A7.00
- (EX) EQUIPMENT KEY NOTES, REFER TO "EQUIPMENT SCHEDULE" ON A7.00



Key Plan

NOT TO SCALE

PROJECT NORTH

SED PROJECT #66-08-01-06-0-005-020

Date	9/25/20
Checked	MTM
Drawn	LH

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.

Title REGISTERED ARCHITECT License No. 022257-1

Revisions:

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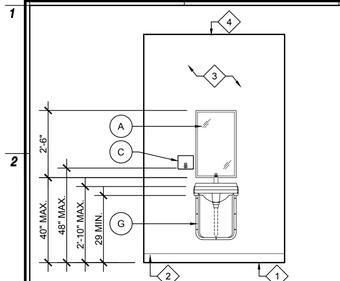
INTERIOR ELEVATIONS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

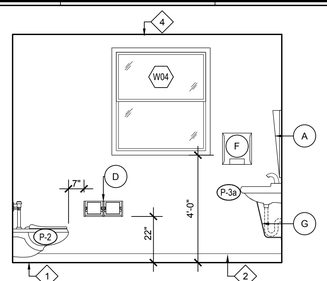
Job No. 4.1449.08

File No. 4144908A701

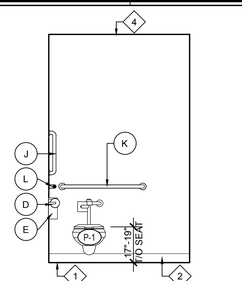
A7.04



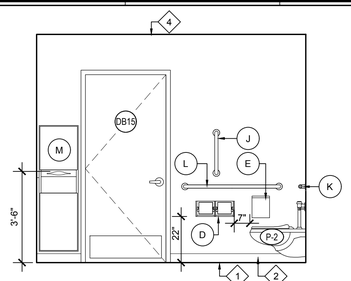
1 A7.05 — Women's Tlt. — 3/8" = 1'-0" — ROOM 130H



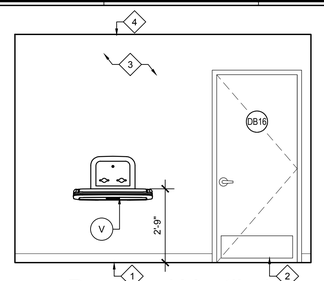
2 A7.05 — Women's Tlt. — 3/8" = 1'-0" — ROOM 130H



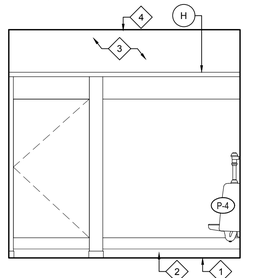
3 A7.05 — Women's Tlt. — 3/8" = 1'-0" — ROOM 130H



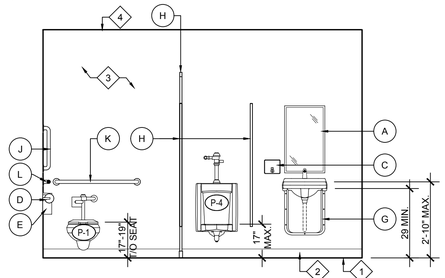
4 A7.05 — Women's Tlt. — 3/8" = 1'-0" — ROOM 130H



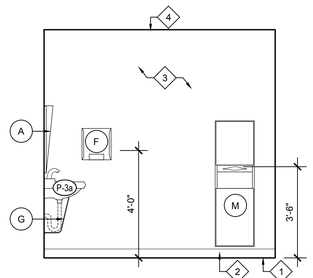
4a A7.05 — Proposed Vestibule — 3/8" = 1'-0" — ROOM 130I



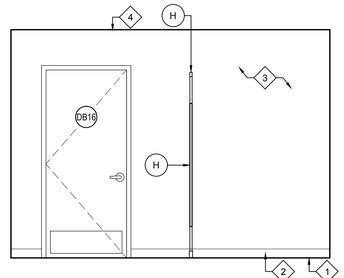
5 A7.05 — Men's Toilet Room — 3/8" = 1'-0" — ROOM 130K



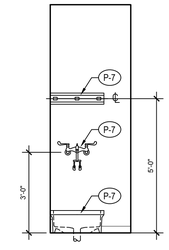
6 A7.05 — Men's Toilet Room — 3/8" = 1'-0" — ROOM 130K



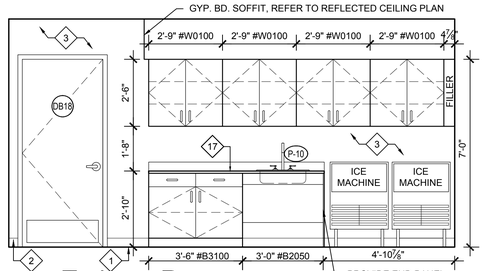
7 A7.05 — Men's Toilet Room — 3/8" = 1'-0" — ROOM 130K



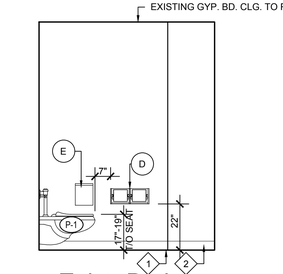
8 A7.05 — Men's Toilet Room — 3/8" = 1'-0" — ROOM 130K



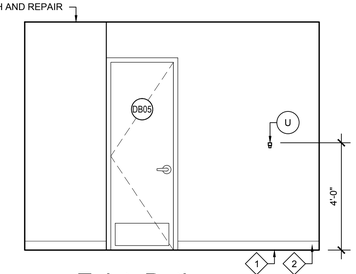
9 A7.05 — Janitor's Room — 3/8" = 1'-0" — ROOM 130J



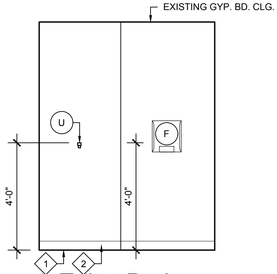
10 A7.05 — Trainers Room — 3/8" = 1'-0" — ROOM 130F



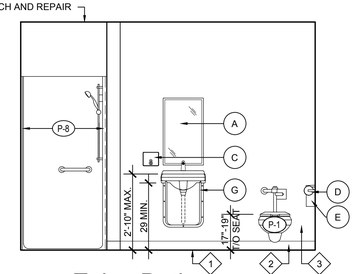
11 A7.05 — Exist. Bathroom — 3/8" = 1'-0" — ROOM 130C



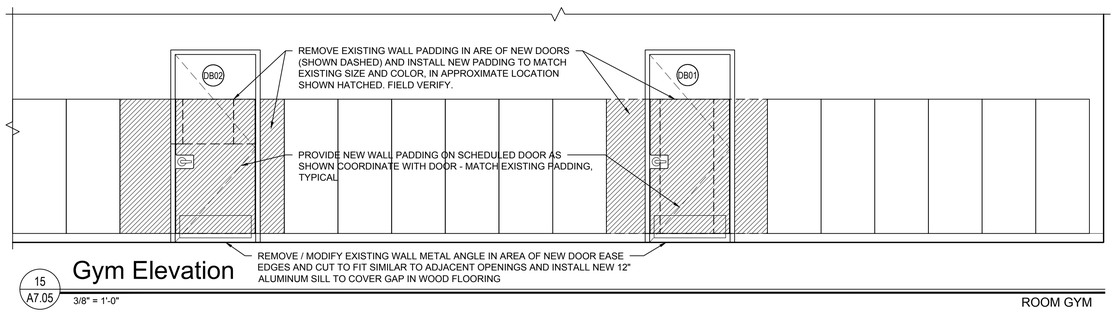
12 A7.05 — Exist. Bathroom — 3/8" = 1'-0" — ROOM 130C



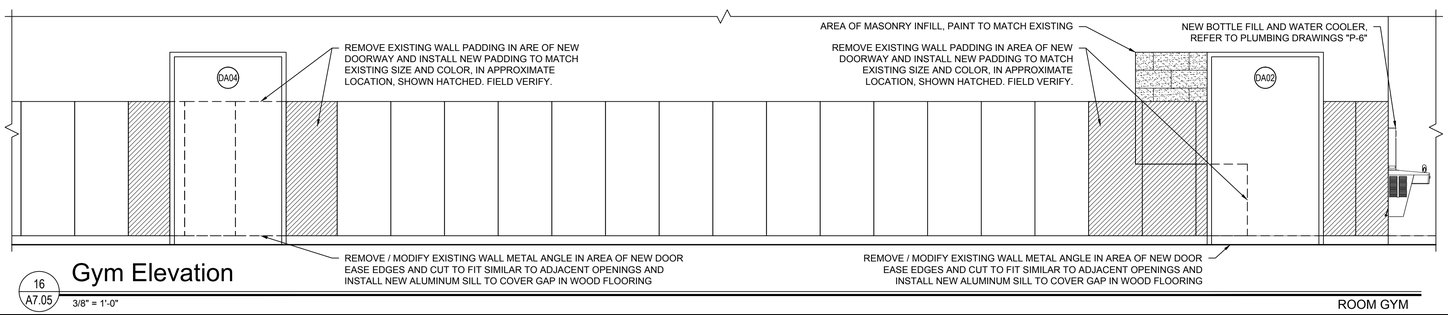
13 A7.05 — Exist. Bathroom — 3/8" = 1'-0" — ROOM 130C



14 A7.05 — Exist. Bathroom — 3/8" = 1'-0" — ROOM 130C

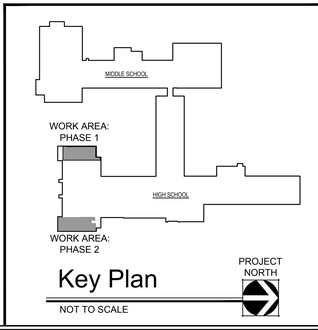


15 A7.05 — Gym Elevation — 3/8" = 1'-0" — ROOM GYM



16 A7.05 — Gym Elevation — 3/8" = 1'-0" — ROOM GYM

X	TOILET ROOM ACCESSORIES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
P-X	PLUMBING FIXTURE NOTES, REFER TO "TOILET FIXTURE & ACCESSORY SCHEDULE" ON A7.00
X	ELEVATION KEY NOTES, REFER TO "INTERIOR ELEVATION KEY NOTES" ON A7.00
EX	EQUIPMENT KEY NOTES, REFER TO "EQUIPMENT SCHEDULE" ON A7.00



Key Plan

NOT TO SCALE

PROJECT NORTH

SED PROJECT #66-08-01-06-0-005-020

Date	9/25/20
Checked	MTM
Drawn	LH

REGISTERED ARCHITECT — MICHAEL J. McGOVERN — 022257 — STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.
Title: REGISTERED ARCHITECT
License No. 022257-1

Revisions:

BID CONFORMANCE SET
11/20/20

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INTERIOR ELEVATIONS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

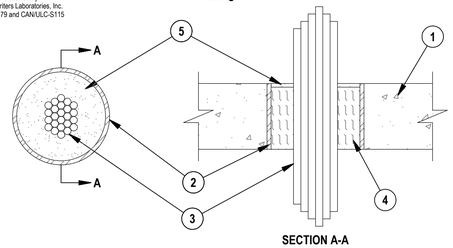
File No. 4144908A701

A7.05

System No. C-AJ-3180

F Rating - 3 Hr
T Rating = 0 Hr

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



SECTION A-A

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600 2400 kg/m3) concrete floor or min 4-3/4 in. (121 mm) thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in.(152 mm).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Steel Sleeve — (Optional) — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
3. Cables — Aggregate cross-sectional area of cables in opening to be max 45 percent of the aggregate cross-sectional area of the opening. Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of metallic conductor or fiber optic cable may be used:
   A. Max 500 kcmil single copper connector power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
   B. Max 300 pair No. 24 AWG copper conductor telecommunication cables with polyvinyl chloride (PVC) insulation and jacket material.
   C. Max 7/C copper conductor No. 12 AWG multiconductor power and control cables with polyvinyl chloride (PVC) or cross-linked polyethylene (XLPE) insulation and PVC jacket.
   D. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in. (13 mm).
   E. Max 3/C copper conductor No. 12 AWG with bare aluminum ground, polyvinyl chloride (PVC) insulated steel, Metal-clad cable.
   F. Max 3/C with ground 2/0 AWG copper conductor SER cable with cross-linked polyethylene (XLPE) insulation and polyvinyl chloride (PVC) jacket.
   G. RG/U coaxial cable with polyethylene (PE) insulation and polyvinyl chloride (PVC) jacket having a max outside diameter of ½ in. (13 mm)
   H. Fire Resistive Cables* - Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable.
4. Packing Material — Min 4-1/4 in. (108 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor to accommodate the required thickness of fill material.
5. Fill, Void or Cavity Material* — Sealant — Min 1/4 in. (6.4 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant.

*Bearing the UL Classification Mark

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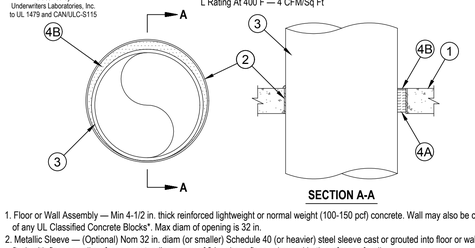
System No. C-AJ-1226

F Rating — 3 Hr T Rating — 0 Hr
L Rating At Ambient — Less Than 1 CFM/Sq Ft
L Rating At 400 F — 4 CFM/Sq Ft

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



SECTION A-A

1. Floor or Wall Assembly — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 32 in.
2. Metallic Sleeve — (Optional) Nom 32 in. diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces or extending a max of 3 in. above floor or beyond both surfaces of wall.

2A. Sheet Metal Sleeve — (Optional) Max 6 in. diam, min 26 ga galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. below the bottom of the deck and a max of 1 in. above the top surface of the concrete floor.

2B. Sheet Metal Sleeve — (Optional) - Max 12 in. diam, min 24 ga galv steel provided with a 24 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. below the bottom of the deck and a max of 1 in. above the top surface of the concrete floor.

3. Through-Penetrant — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. Penetrant may be installed with continuous point contact. Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic penetrants may be used:
   A. Steel Pipe — Nom 30 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 30 in. diam (or smaller) cast or ductile iron pipe.
   C. Copper Pipe — Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.
   D. Copper Tubing — Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.
   E. Conduit — Nom 6 in. diam (or smaller) steel conduit.
   F. Conduit — Nom 4 in. diam (or smaller) steel electrical metallic tubing (EMT).
4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 4 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall or sleeve as required to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 1/4 in. thickness of fill material applied within the annulus, flush with top surface of floor or sleeve or with both surfaces of wall or sleeve. At the point or continuous contact locations between penetrant and concrete or sleeve, a min 1/4 in. diam bead of fill material shall be applied at the concrete or sleeve/ pipe penetrant interface on the top surface of floor and on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant

*Bearing the UL Classification Mark

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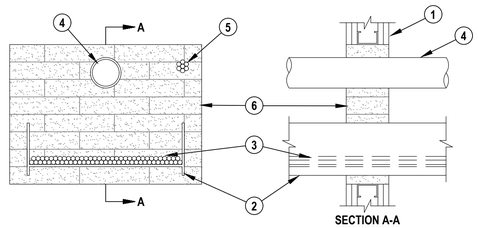
System No. W-L-8013

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — 5 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating At 400 F — 2 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient — 5 CFM/sq ft
	L Rating At 400 F — 2 CFM/sq ft



SECTION A-A

System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Additional studs installed to completely frame the opening.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max area of opening is 352 sq in. (2271 sq cm) with max dimension of 22 in. (559 mm) wide.
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Cable Tray* — Max 18 in. (457 mm) wide by max 6 in. (152 mm) deep open-ladder or solid-back cable tray with channel-shaped side rails formed of 0.065 in. (1.65 mm) thick aluminum or 0.060 in. (1.52 mm) thick steel and with 1-1/2 in. (38 mm) wide by 1 in. (25 mm) channel shape rungs spaced 9 in. (229 mm) OC or a 0.029 in. (0.74 mm) thick steel solid back, respectively. One cable tray to be installed in the opening. The max annular space between the cable tray and the periphery of the opening shall be min 1 in. (25 mm) to max 7 in. (178 mm) Cable tray to be rigidly supported on both sides of floor or wall assembly.
3. Cables — Aggregate cross-sectional area of cables in cable tray to be max 30 percent of the cross-sectional area of the cable tray. Any combination of the following types and sizes of copper conductor cables may be used:
   A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and PVC jacket.
   B. 100 pair - No. 24 AWG cable with PVC insulation and jacket.
   C. 1/C, 750 kcmil (or smaller) with PVC insulation and jacket.
4. Through-Penetrants — One or more pipe or tube to be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces and the spacings between the pipes are maintained. The space between the pipe or tube and the periphery of the opening shall be min 1-1/2 in. (38 mm) to max 9-1/4 in. (235 mm). Pipe or tube to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of non-metallic or metallic pipes, or tubes may be used:
   A. Polyvinyl Chloride (PVC) Pipe — Max 3 in. (76 mm) diam Schedule 40 solid core PVC pipe (or smaller) for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   B. Steel Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit.
   D. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
   E. Copper Tube — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tube.

4A. Pipe Covering — (Not Shown) Nom 1-1/2 in. (38 mm) thick hollow cylindrical heavy density (min 3.5 pcf) (56kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
See Pipe and Equipment Covering and Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 may be used.

5. Cables — Max 1-1/2 in. (38 mm) diam tight bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The space between the cables and periphery of the opening shall range from 1-3/16 in. (30.2 mm) min to a max of 1-1/2 in. (38 mm). Any combination of the following types and sizes of cables may be used:
   A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   B. 25 pair — No. 24 AWG cable with PVC insulation and jacket.
   C. Type R GU/59 coaxial cable with PVC outer jacket.
   D. 24 fiber optic cable with PVC sub unit and outer jacket.
6. Firestop System — The firestop system shall consist of the following:
   A. Fill, Void or Cavity Material* — Fire Blocks For walls incorporating max 3-5/8 in. (92 mm) steel studs or max 2 (51 mm) by 4 in. (102 mm) wood studs, fire block installed with 5 in. (127 mm) dimension projecting through and centered in opening. For walls constructed of larger steel or wood studs, fire block installed with long dimension passing through and centered in opening. Blocks may or may not be cut flush with both surfaces of wall. When multiple layers of gypsum board are used, blocks may be recessed 1/2 in. (13 mm) from surface of wall. Blocks to be firmly packed in opening. Either one or a combination of the block types specified below may be used.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS 657 Fire Block or CFS-BL Firestop Block
   B. Fill, Void or Cavity Material* — Sealant or Putty - Fill material to be forced into interstices of cables, between cables and cable trays, around each penetrant and where obvious voids are observed to max extent possible on both surfaces of the penetration.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant, FS-ONE MAX Intumescent Sealant, CP 618 Putty Stick or CP620 Fire Foam

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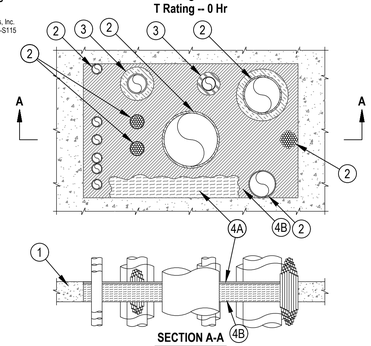
System No. C-AJ-8143

F Rating — 2 Hr
T Rating — 0 Hr

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



SECTION A-A

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete floor. Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max size of opening is 1440 in.2 (9,290 cm2) with a max dimension of 48 in. (1219 mm).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through-Penetrant — One cable tray and one or more pipes, tubes or cable bundles may be installed within the opening. The total number of through-penetrants is dependent on the size of the opening and the types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces are maintained. The annular space between cable tray and all other penetrants shall be min 3 in. (76 mm). The annular space between individual cables and cable bundles shall be a min 1/2 in. (13 mm). The annular space between individual cables and cable bundles and other penetrants shall be a min 1/2 in. (13 mm) except that a min 2 in. (51 mm) shall be maintained between the cables and copper pipes and tubes greater than a nom 3 in. (76 mm) diam and steel and iron pipes and conduits greater than a nom 4 in. (102 mm) diam. The annular space between metallic pipes, conduit and tubes and insulated pipes and tubes shall be a min 2 in. (51 mm). The annular space between nom 3 in (76mm) diam (and smaller) copper pipes and tubes and between nom 4 in (102mm) diam (and smaller) steel and iron pipes and conduits shall be min 1/2 in. (13 mm). The annular space between nom 2 in. (51 mm) diam (and smaller) metallic pipes and conduits shall be min 0 in. (point contact). The annular space between insulated penetrants or the cable tray and the periphery of opening shall be min 1/2 in. (13 mm). The annular space between all other penetrants and the periphery of opening shall be min 0 in. (point contact). A max annular space in the system shall be 12 in. (305 mm). Penetrants to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of penetrants may be used.
   A. Metallic Pipes — The following types of metallic pipes, tubes or conduits may be used:
      1. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tube.
      2. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
      3. Steel Pipe — Nom 24 in. (610 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
      4. Iron Pipe — Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe.
      5. Conduit — Nom 4 in. (102 mm) diam (or smaller) electric metallic tubing (EMT) or nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.
   B. Cables Bundles — Max 4 in. (102 mm) diam tightly bundled cables. Any combination of the following types and sizes of cables may be used:
      1. Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
      2. Max 300 pair No. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.
      3. Max 7/C copper conductor No. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
      4. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.
      5. Max 3/C No. 12 AWG steel clad cable with copper conductors and PVC insulation material.
   C. Individual Cables — Any of the following types and sizes of individual (non-bundled) cables may be used:
      1. Max 3/C No. 2/0 AWG (or smaller) copper conductor PVC jacketed aluminum clad or steel clad TECK 90 cable.
      2. Through Penetrating Product* — Any cables, Armored Cable+ or Metal Clad Cable+ currently Classified under the Through Penetrating Product category.
      See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.
      3. Max 500 kcmil single copper or aluminum conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket.
      4. Max 300 pair No. 24 AWG copper conductor telecommunication cables with PVC insulation and jacket material.
      5. Max 7/C copper conductor No. 12 AWG multi-conductor power and control cables with PVC or cross-linked polyethylene (XLPE) insulation and PVC jacket.
      6. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in.
      7. Max 3/C No. 12 AWG steel clad cable with copper conductors and PVC insulation material.
      8. Max 4C/750 kcmil (or smaller) aluminum or copper conductor metal clad cable with aluminum or steel armor, with or without PVC jacket.
   D. Cable Tray* — (Not Shown) — Max 24 in. (610 mm) wide by 6 in. (152 mm) deep open-ladder steel or aluminum cable tray. Aggregate cross-sectional area of cable tray to be max 40 percent of the cross-sectional area of the cable tray based on a max 3 in. cable loading depth. Any combination of the types and sizes of cables described in Item 2B may be used. Cable tray to be rigidly supported on both sides of floor or wall assembly.
3. Pipe Insulation — (Optional) - Pipes and tubes of the sizes noted below may be provided with one of the following types of pipe insulations::
   A. Pipe Covering* — Nom 1-1/2 in. (38 mm) thick (or thinner) hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket for pipes with a nom diam of 8 in. (203 mm) (or smaller) or tubes with a nom diam of 4 in. (102 mm) (or smaller). Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
   See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   B. Pipe Covering* — Nom 2 in. (51 mm) thick (or thinner) hollow cylindrical heavy density glass fiber units jacketed on the outside with an all service jacket for pipes or tubes with a nom diam of 2 in. (51 mm) (or smaller). Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.
   See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   C. Tube Insulation-Plastics+ — Nom 1 in. (25 mm) thick (or thinner) acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing for pipes or tubes with a nom diam of 2 in. (51 mm) (or smaller).
   See Plastics (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.
4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 4 in. (102 mm) thickness of 4 pcf (64 kg/m³) mineral wool batt insulation tightly packed into the opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material - Sealant* — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus flush with the top surface of the floor or both surfaces of the wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant

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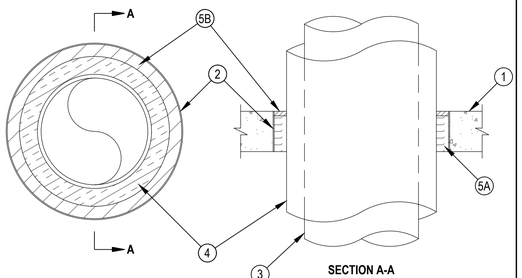
System No. C-AJ-5091

F Rating — 2 Hr
T Ratings — 0 and 1 Hr (See Items 2 and 4)
L Rating At Ambient — 4 CFM/Sq Ft
L Rating At 400 F — Less Than 1 CFM/Sq Ft

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



SECTION A-A

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 29 in. (737 mm).
   See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Metallic Sleeve — (Optional) — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces or extending a max of 3 in. (76 mm) above floor or beyond both surfaces of wall. If the steel sleeve extends beyond the top surface of the floor or both surfaces of the wall, the T Rating of the firestop system is 0 hr.

2A. Sheet Metal Sleeve — (Optional) - Max 6 in. (152 mm) diam, min 26 ga galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approximately mid- height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place flush with bottom surface of floor and may extend a max of 1 in. (25 mm) above the top surface of the floor.

2B. Sheet Metal Sleeve — (Optional) - Max 12 in. (305 mm) diam, min 24 ga galv steel provided with a 24 ga galv steel square flange spot welded to the sleeve at approximately mid- height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place flush with bottom surface of floor and may extend a max of 1 in. (25 mm) above the top surface of the floor.

3. Through Penetrants — One metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or tubing may be used:
   A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.
   C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
   D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
4. Pipe Covering — Min 1/2 in. (13 mm) to max 2 in. (51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m³) glass fiber units jacketed on the outside with an all-service jacket. Longitudinal joints sealed with metal fasteners or factory-applied, self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space between the insulated pipe and the edge of the periphery of the opening shall be min 1/2 in. (13 mm) to max 12 in. (305 mm). When thickness of pipe covering is less than 2 in. (51 mm), the T Rating for the firestop system is 0 hr.
   See Pipe Equipment Covering — Materials — (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4A. Pipe Covering — (Not Shown) — As an alternate to Item 4, max 2 in. (51 mm) thick cylindrical calcium silicate (min 14 pcf or 224 kg/m³) units sized to the outside diam of the pipe or tube may be used. Pipe insulation secured with stainless steel bands or min 18 AWG stainless steel wire spaced max 12 in. (305 mm) OC. The annular space shall be min 1/2 in. (13 mm) to max 12 in. (305 mm).

5. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant

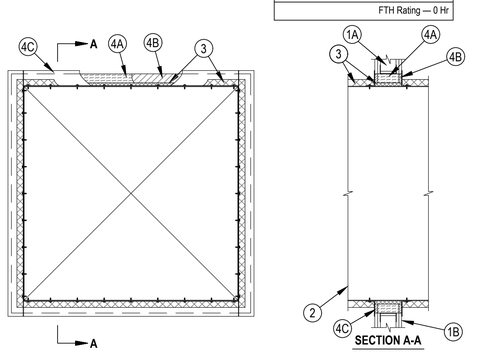
*Bearing the UL Classification Mark

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc.

System No. W-L-7156

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Ratings — 1 and 2 Hr (See Item 1)
	FTH Rating — 0 Hr



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Additional framing members shall be used to completely frame around opening.
   B. Gypsum Board* — Min 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers and orientation shall be as specified in the individual U300, U400 or V400 Wall and Partition Design. Max size of opening is 210 sq in. (1355 cm²) with a max width of 14-1/2 in. (368 mm) for wood studs. Max size of opening is 76.2 sq ft. (7 m²) with a max width of 105-1/2 in. (2.7 m) for steel studs.
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall in which it is installed.
2. Steel Duct — Max 100 by 100 in. (2.5 by 2.5 m) steel duct to be installed within the framed opening. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. Steel duct to be rigidly supported on both sides of wall assembly.
3. Batts and Blankets* — Nom 1-1/2 or 2 in. (38 or 51 mm) thick glass fiber batt or blanket (min 3/4 pcf or 12 kg/m³) jacketed on the outside with a foil-scrim-kraft facing. Longitudinal and transverse joints sealed with aluminum foil tape. During the installation of the fill material, the batt or blanket shall be compressed minimum 50% such that the annular space within the firestop system shall be min 1/2 in. (13 mm) to max 2 in. (51 mm).
   See Batts and Blankets (BKNV) category in the Building Materials Directory for names of manufacturers. Any batt or blanket meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index 50 or less may be used.
4. Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Min 3-5/8 (92 mm) or 4-7/8 in. (124 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form for 1 or 2 hr fire-rated walls, respectively. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant
   C. Steel Retaining Angles — Min No. 16 gauge (0.059 in. or 1.5 mm) galv steel angles sized to lap steel duct a min of 2 in. 51 mm) and lap wall surfaces a min of 1 in. (25 mm). Angles attached to steel duct on both sides of wall with min No. 10 steel sheet metal screws spaced a max of 1 in. (25 mm) from each end of steel duct and spaced a max of 6 in. (152 mm) OC. When max duct dimension does not exceed 48 in. (122 cm) and duct area does not exceed 1300 in² (8387 cm²), angles may be min No. 18 gauge galv steel. Angles attached to steel duct on both sides of wall with min No. 10 by 1/2 in. (13 mm) long steel sheet metal screws located a max of 1 in. (25 mm) from each end of steel duct and spaced a max of 6 in. (152 mm) OC. When max 1-1/2 in. (38 mm) thick insulation is used, steel angles are optional for those sides of duct that do not exceed the dimension specified in Table below, dependent on packing material and annular space as specified.

*Bearing the UL Classification Mark

Max Duct Dimension	Duct Thickness	Annular Space	Packing Material	Angle (Item 3C) Required
24 in. (610 mm)	24 ga or heavier	1/2 in. min to 1 in. max (13 to 25 mm)	Item 3A1	No

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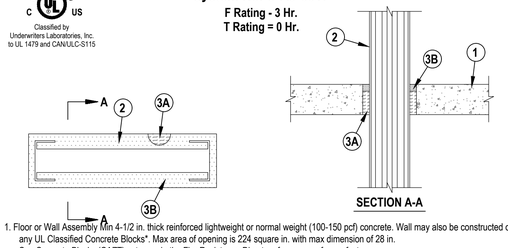
System No. C-AJ-6017

F Rating - 3 Hr.
T Rating = 0 Hr.

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115



SECTION A-A

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

+Bearing the UL Listing Mark *Bearing UL Classification Mark

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FIRESTOPPING NOTES:

1. FIRESTOPPING ASSEMBLIES SHOWN ON THIS SHEET REPRESENT VARIOUS RATED ASSEMBLIES THAT MAY BE REQUIRED FOR THIS PROJECT. ADDITIONAL CONDITIONS AND ASSEMBLIES MAY EXIST AND THE CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 078443 - FIRESTOPPING FOR ADDITIONAL INFORMATION AND THE SELECTED MANUFACTURER FOR ADDITIONAL ASSEMBLY TYPES.
2. FIRESTOPPING DETAILS WERE OBTAINED FROM AND REPRODUCED BY HILTI, INC. COURTESY OF UNDERWRITERS LABORATORIES, INC. (UL) AND ARE SHOW AS THE BASIS OF DESIGN. USE OF THESE DETAILS AND REFERENCE TO HILTI, INC. PRODUCTS OR SYSTEMS DOES NOT PRECLUDE THE USE OF OTHER PRODUCTS THAT ARE SUBMITTED AND APPROVED AS EQUAL.
3. REFER TO EGRESS PLANS A0.01 TO A0.06 FOR FIRE WALL RATINGS IN EACH AREA OF WORK. PROVIDE APPROPRIATE FIRESTOPPING FOR FIRE RATING AS PER FIRESTOPPING DETAILS AND SPECIFICATIONS.
4. EACH PRIME CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING THEIR OWN FLOOR AND WALL PENETRATIONS.

SED PROJECT #66-08-01-06-0-005-020

Date	9/25/20
Checked	MTM
Drawn	—

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A. — License No. 022257-1 — Title: REGISTERED ARCHITECT

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Revisions:

BID CONFORMANCE SET
11/20/20

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FIRESTOPPING DETAILS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

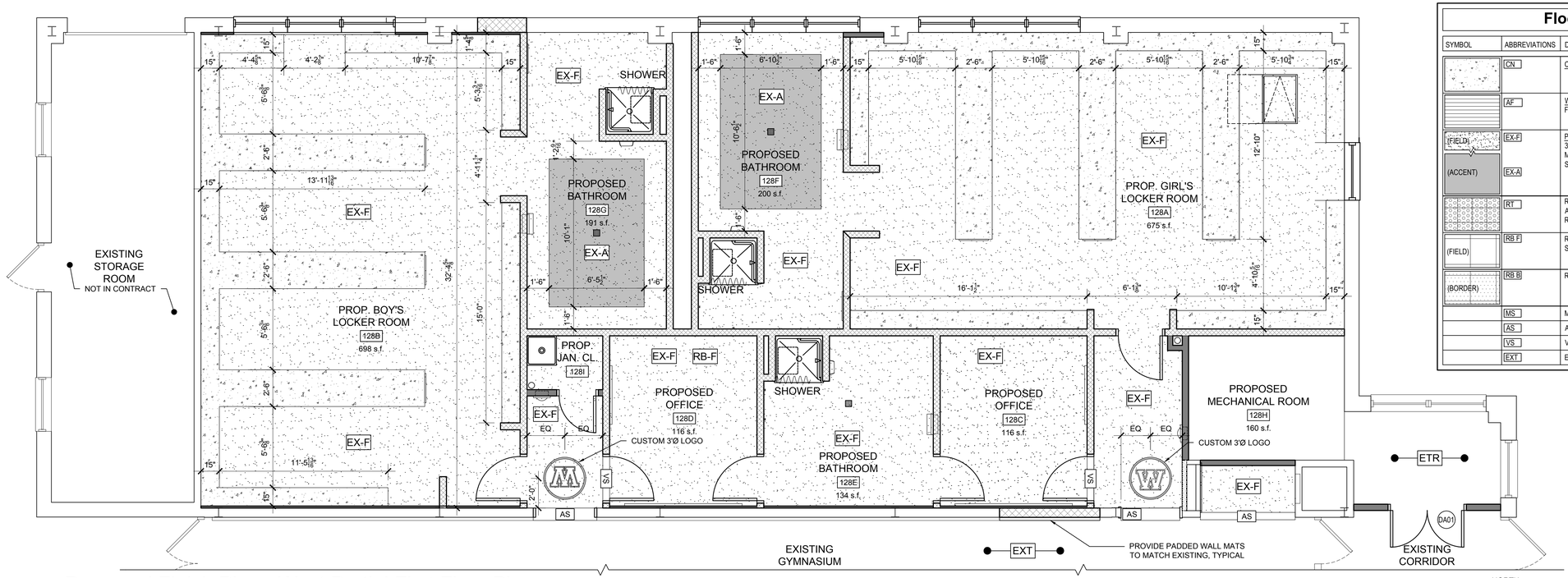
Job No. 4.1449.08

File No. 4144908A801

A8.01

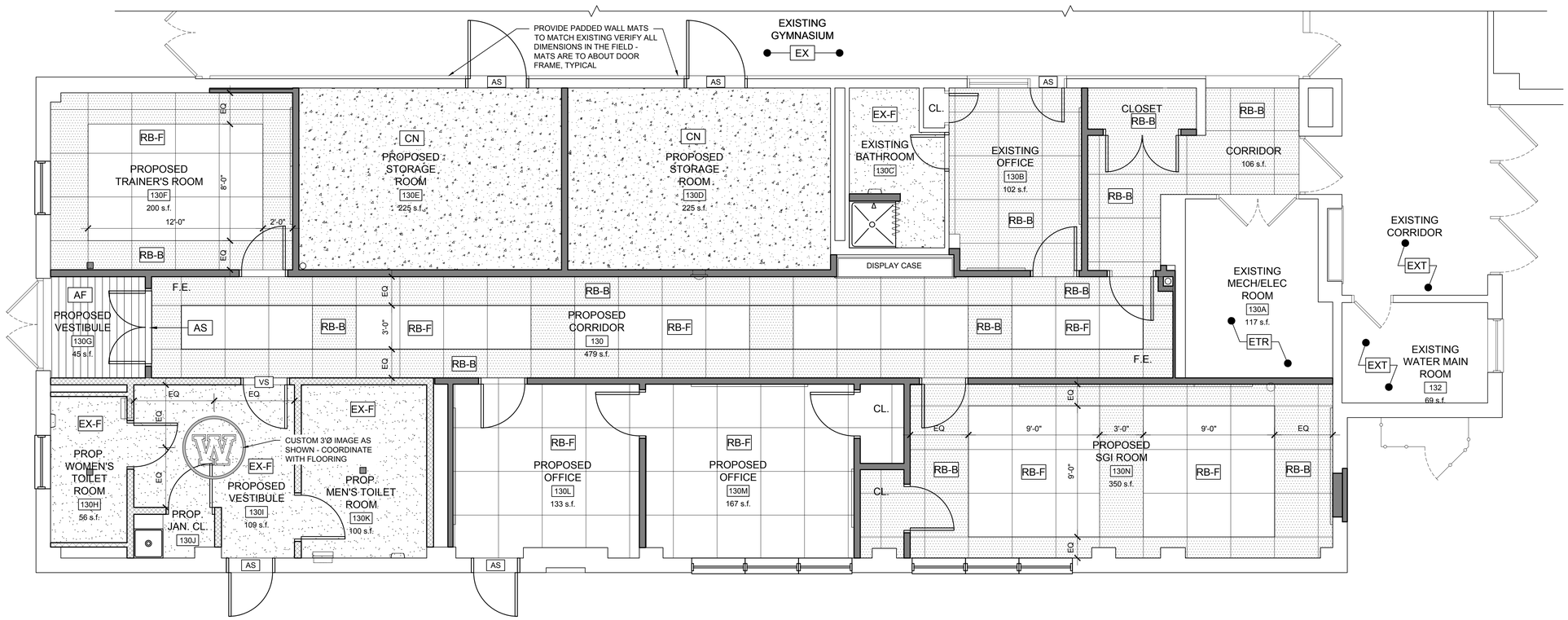
Floor Finish Legend

SYMBOL	ABBREVIATIONS	DESCRIPTIONS
	CN	CONCRETE FLOOR: PAINTED CONCRETE FLOOR. COLOR TO BE SELECTED BY OWNER.
	AF	WALK-OFF: WALK OFF SURFACE, PROFILE BAR BY 'HENDRICK', HEIGHT TO MATCH FINISH FLOOR. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.
(FIELD)	EX-F	POURED EPOXY HYBRID FLOORING: 3/16" THICK HYBRID-FLEX EC FLOORING BY DUR-A-FLEX, EARTHSTONE CHIP BLEND OR MACRO CHIP COLOR OR APPROVED EQUAL. (1) FIELD COLOR AND (1) ACCENT COLOR AS SHOWN ON FLOOR PATTERN PLANS, TYPICAL.
(ACCENT)	EX-A	
	RT	RUBBER STAIR TREADS, RAMP SURFACES AND RISERS. MILLED RUBBER TREADS WITH ABRASIVE STRIP NOSING AND 18"X18"X1/8" MILLED RUBBER TILES BY "N PLUS (N+) RUBBER" OR APPROVED EQUAL.
(FIELD)	RB F	RUBBER TILE 36" x 36" "AMERICAN BILTRITE" DURASPORT SBR, MARATHON LAKELAND SLATE, BLUE WILLOW, MLS 190
(BORDER)	RB B	RUBBER TILE 36" x 36" "AMERICAN BILTRITE" DURASPORT SBR, NIGHT SKY, MLS 191
	MS	MARBLE SADDLE
	AS	ALUMINUM SADDLE
	VS	VINYL SADDLE TRANSITION STRIP
	EXT	EXISTING TO REMAIN



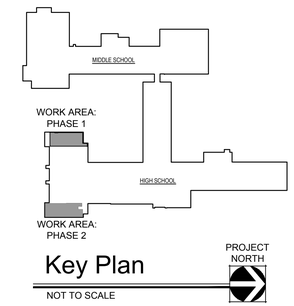
1 A9.01 — Proposed Finish Plan - West Partial First Floor Plan

1/4" = 1'-0"



2 A9.01 — Proposed East Partial First Floor Plan

1/4" = 1'-0"



Key Plan

NOT TO SCALE

PROJECT NORTH

Date	9/25/20
Checked	MM
Drawn	MTM

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.

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Revisions:

BID CONFORMANCE SET
11/20/20

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PROPOSED FLOOR FINISH PLANS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

SED PROJECT #66-08-01-06-0-005-020

Job No. 4.1449.08

File No. 4144908A901

A9.01

MT. PLEASANT CENTRAL SCHOOL DISTRICT

RENOVATIONS TO THE PHYSICAL EDUCATION DEPARTMENT

at

WESTLAKE HIGH SCHOOL

825 WESTLAKE DRIVE

THORNWOOD, NY 10594

NYSED PROJECT #66-08-01-06-0-005-020

CONTRACT#1b: MECHANICAL/HVAC

Symbols

GRADE LINE

BORDER LINE, OUTLINE

FIRE SEPARATION WALL
SMOKE COMPARTMENT

CENTER LINE

OBJECT LINE

ELEVATION LINE — EL. X'-X" / T.O. XXX

MATCH LINE — PROPOSED / EXISTING

HIDDEN LINE

DEMOLITION

BREAK LINE

BREAK LINE

BREAK LINE (PIPE)

FRAMING DESIGNATION — 2x10 F.J. @ 16" O.C.

DIMENSION LINE

COLUMN LINE — C1

DOOR TAG — D01

WINDOW TAG — W1

CEILING TAG — CT-1

PLUMBING TAG — P-1

EQUIPMENT TAG — E11

WALL TAG — A

DEMOLITION NOTE — 1

CONSTRUCTION NOTE — 1

SLOPE DESIGNATIONS — 12 X, SL. ½:12

ADA SYMBOL

REVISION CLOUD W/ TAG — 1

ROOM NAME DESIGNATION — ROOM NAME, 100, 100 SF

BLOW UP PLAN DESIGNATION — A-.--

INTERIOR ELEVATION — 1, 2, A2.01, 3, 4

SECTION MARK — 1, A2.01

Drawing Label — A-.-- / -" = 1'-0"

Location Map

NOT TO SCALE

Aerial View

NOT TO SCALE

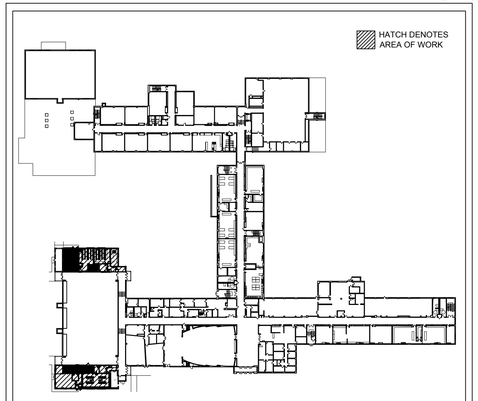
General Notes

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

Drawing Index

Location Plan

NOT TO SCALE



FIRST FLOOR PLAN

Date	9/25/20
Checked	MTM
Drawn	KM

REGISTERED ARCHITECT — MICHAEL J. McGOVERN — 022257 — STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A. — License No. 022257-1 — Title: REGISTERED ARCHITECT

Revisions:

BID CONFORMANCE SET
11/20/20

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SED PROJECT #66-08-01-06-0-005-020

MECHANICAL TITLE SHEET

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144909T001

T0.01M

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE NEW YORK STATE ENERGY CODE, INTERNATIONAL MECHANICAL CODE, ASHRAE GUIDELINES, SMACNA, COUNTY GUIDELINES, NEC, NATIONAL STANDARD PLUMBING CODE, AND ALL OTHER APPLICABLE CODES, ORDINANCES, ETC. FOR NEW YORK STATE AND THE LOCAL AUTHORITY HAVING JURISDICTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH THE EXISTING CONDITIONS AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS AND COMMENCING WORK, AND INCLUDE ALL SUCH NECESSARY WORK BASED ON THIS SITE FAMILIARIZATION IN THIS BID.
3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENT SHALL APPLY. CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONNEL OR STRUCTURES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION METHODS, PROCEDURES AND JOB SITE CONDITIONS INCLUDING SAFETY. CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER TO PROTECT WORKMEN, OCCUPANTS AND THE PUBLIC FROM INJURY AND ADJOINING PROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, UNDERPINNING OR OTHER APPROVED METHOD. THE CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION. THE DUST RESULTING FROM REMOVALS SHALL BE CONTROLLED SO AS TO PREVENT ITS SPREAD TO OCCUPIED PORTIONS OF THE BUILDING AND TO AVOID CREATION OF A NUISANCE IN THE SURROUNDING AREA.
6. CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES, APPROVALS, ETC. PRIOR TO COMMENCING WORK AND SHALL SECURE CERTIFICATE OF OCCUPANCY UPON COMPLETION OF WORK.
7. CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OFF SITE IN AN APPROVED MANNER. THE OWNER SHALL BE CONSULTED PRIOR TO DISPOSAL OF ANY SALVAGED OR EXCESS MATERIALS AT THE COMPLETION OF THE PROJECT.
8. UPON COMPLETION OF WORK, ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
9. ALL WORK SHALL BE SCHEDULED IN COMPLIANCE WITH THE OWNER'S REQUIREMENTS FOR THE USE OF THE EXISTING FACILITY.
10. CONTRACTOR SHALL FURNISH ALL EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER, AND AS NECESSARY FOR A PROPER OPERATIONAL SYSTEM.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT OF ANY UTILITIES ENCOUNTERED DURING THE COURSE OF HIS WORK AND TO ENSURE THE OWNER'S FACILITY TO BE OPERATIONAL.
12. CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND ADDRESS ALL QUESTIONS TO ENGINEER PRIOR TO COMMENCING WORK.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING UPON COMPLETION OF WORK.
14. CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL WRITTEN OR DIMENSIONED INFORMATION TAKES PRECEDENCE OVER THE DRAWING.
15. CONTRACTOR SHALL SUBMIT, WHERE REQUIRED BY THE ARCH/ENGR, SHOP DRAWINGS AND SUBMITTALS FOR APPROVAL PRIOR TO THE START OF FABRICATION OF THOSE ITEMS. THIS INCLUDES ALL EQUIPMENT, SCHEMATIC DUCTWORK AND PIPING LAYOUT, ETC. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL EQUIPMENT ETC WILL FIT (WITH PROPER MAINTENANCE CLEARANCES) AT ALL LOCATIONS. REVIEW OF SHOP DRAWINGS/SUBMITTALS BY THE ARCH/ENGR DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE CURRENT MODEL NUMBERS, TYPE, & FEATURES OF ALL EQUIPMENT'S & MATERIALS.
16. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH CERTIFICATES OF INSURANCE PRIOR TO STARTING THE WORK.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING STRUCTURES AS NEEDED TO COMPLETE THE NEW WORK.
18. ALL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE HANDLED AND INSTALLED IN ACCORDANCE TO WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS. WHERE BRAND NAMES AND MANUFACTURED PRODUCTS ARE CALLED FOR, APPROVED EQUALS WHICH MEET APPLICABLE STANDARDS AND SPECIFICATIONS MAY BE SUBSTITUTED WITH WRITTEN PERMISSION OF THE ENGINEER AND THE OWNER. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE AND OF EQUAL OR BETTER QUALITY.
19. ALL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING BY THE ARCHITECT AND THE OWNER PRIOR TO ANY CHANGES BEING MADE.
20. THE ARCHITECT/ENGINEER HAS THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS POORLY INSTALLED, DOES NOT MEET INDUSTRY STANDARD, UNAUTHORIZED, OR WORK DONE CONTRARY TO THE THE INTENT OF THE CONTRACT DOCUMENTS. SUCH WORK SHALL BE REPLACED, REPAIRED OR REMOVED AT THE CONTRACTOR'S EXPENSE.
21. CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND THE WORK OF HIS SUBCONTRACTORS FOR A PERIOD OF TWO (2) YEARS AFTER RECEIVING FINAL ACCEPTANCE AND DO ALL REPAIR WORK AND REPLACEMENT AS NECESSARY DURING THAT PERIOD AT THE CONTRACTOR'S EXPENSE.
22. IN NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER.
23. CONTRACTOR SHALL PROVIDE SAFE AND SANITARY CONDITIONS WHERE DEMOLITION AND WRECKING OPERATIONS ARE BEING CARRIED ON. WORK SHALL BE EXECUTED IN SUCH A MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DANGER TO HEALTH AND CONDITIONS WHICH MAY CONSTITUTE A PUBLIC NUISANCE SHALL BE MINIMIZED.
24. ENGINEER/OWNER MAY ASK THE CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS & SUBMITTALS OF ANY/ALL PARTS OF THIS PROJECT WHICH THE ENGINEER/OWNER DEEMS NECESSARY FOR.

HVAC GENERAL NOTES

1. PROCURE AND PAY ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT THE WORK SHOWN. OBTAIN AND PAY FOR ALL FEES.
2. COMPLY WITH ALL FEDERAL, STATE AND MUNICIPAL LAWS AND CODES, ORDINANCES, RULES AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED.
3. GUARANTEE HVAC SYSTEM FOR A PERIOD OF TWO (2) YEARS FROM OWNER'S ACCEPTANCE TO BE FREE FROM DEFECTS AND REPAIR OR REPLACE, AT NO COST TO OWNER, FAILURES OR DEFECTS.
4. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL HIS DEBRIS.
5. BALANCE HVAC SYSTEM TO QUANTITIES INDICATED. CONTRACTOR TO SUBMIT FOUR (4) SETS OF AIR, WATER AND UNIT BALANCING REPORT TO ENGINEER/OWNER PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM.
6. BIDDERS FOR THIS WORK SHALL VISIT THE PREMISES AND CAREFULLY EXAMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING BIDS. NOT ALL EXISTING CONDITIONS HAVE BEEN IDENTIFIED ON DRAWINGS. CONTRACTOR SHALL NOTIFY ENGINEER. OF ALL DISCREPANCIES PRIOR TO SUBMITTING BID.
7. ALL BIDDERS SHALL ALSO FAMILIARIZE THEMSELVES WITH THE MEANS OF ENTRANCE AND EXIT AT THE PROPERTY AND ALL OTHER INFORMATION NECESSARY TO PROPERLY CARRY OUT THE WORK.
8. THE CONTRACTOR SHALL, WITH THE APPROVAL OF THE ENGINEER AND WITHOUT ADDITIONAL COST TO THE OWNER, MAKE ALL NECESSARY CHANGES OR MODIFICATIONS TO LOCATIONS AS MAY BE NECESSARY TO SUIT REQUIREMENTS AND CONDITIONS FOR THE PROPER AND CONVENIENTLY ACCESSIBLE LOCATIONS OF ALL PARTS OF EACH SYSTEM.
9. SMALL DETAILS ARE NOT USUALLY SHOWN OR SPECIFIED BUT NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OR WORK SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST.
10. THE CONTRACTOR SHALL NOTE THAT ALL SERVICE CONNECTIONS MAY NOT BE SHOWN IN TRUE POSITIONS. EACH BIDDER IS CAUTIONED, THEREFORE, TO VERIFY SAME WITH FIELD CONDITIONS.
11. CONTRACTOR SHALL CHECK FOR INTERFERENCE AND VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR INSTALLATION OF PIPING AND DUCTWORK.
12. IF AN ITEM OF EQUIPMENT OTHER THAN THE ITEM(S) SPECIFIED IS APPROVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COST ARISING OUT OF ADDITIONAL OR CHANGED GENERAL CONSTRUCTION AND MECHANICAL WORK REQUIRED TO ACCOMMODATE THE SUBSTITUTED EQUIPMENT.
13. ALL EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS AND RECOMMENDATIONS.
14. PROVIDE TWO (2) SETS OF SPARE FILTERS FOR THE INSTALLED RTUs, AC UNITS, & OTHER EQUIPMENT.
15. PROVIDE TWO-YEAR PREVENTIVE & REGULAR MAINTENANCE SERVICE FOR ALL INSTALLED HVAC/MECHANICAL SYSTEM. THIS INCLUDES A MINIMUM OF TWO (2) PERIODIC SERVICE VISITS ANNUALLY TO INSPECT, TEST & CHECK ALL COMPONENTS OF HVAC UNITS AND ANY ADDITIONAL VISITS REQUIRED IF ANY HVAC UNIT FAILS. ALL NECESSARY BELT ALIGNMENTS, PROPER REFRIGERANT CHARGE, PROPER OPERATIONS OF ALL DAMPERS, CONTROLS, ETC. IS INCLUDED IN THIS SCOPE OF WORK.
16. PROVIDE FIRE DAMPERS/ACCESS DOORS AT ALL DUCT PENETRATIONS THROUGH CORRIDORS, SLABS AND OTHER RATED PARTITIONS, IRRESPECTIVE OF WHETHER IT IS INDICATED ON THE DRAWINGS OR NOT.
17. PROVIDE FIRE STOPPING AROUND ALL OPENINGS FOR DUCT, PIPING, CONDUIT, ETC. PENETRATIONS THROUGH CORRIDORS, SLABS AND OTHER RATED PARTITIONS.
18. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND RESTORATION OF AREAS OF MECHANICAL REMOVALS.
19. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DUMPSTER/CONTAINER SERVICES AND LABOR TO KEEP THE BUILDING FREE OF DEBRIS.
20. CONTRACTOR TO PROVIDE TWO (2) SEPARATE TRAINING SESSIONS (FOUR WEEKS APART) ON PROPER OPERATION & TROUBLESHOOTING OF NEW HVAC SYSTEM & CONTROLS.
21. CONTRACTOR TO NOTE THAT BOTH DWGS. & SPECS. ARE COLLECTIVELY A PART OF BID REQUIREMENTS. IN CASE OF ANY DIFFERENCES BETWEEN VARIOUS DWGS. OR BETWEEN DWGS. & SPECS, THE MOST STRINGENT REQUIREMENT WILL PREVAIL.
22. CONTRACTOR TO SUBMIT FOUR (4) SETS OF OPERATION & MAINTENANCE MANUALS, INCLUDING A SUMMARY SHEET OF ALL EQUIPMENT MANUFACTURERS/MODEL'S/SERIAL #'S, SHOP DRAWING SUBMITTALS, WARRANTY INFORMATION, O&M MANUALS, PROJECT INFORMATION, CONTACT DETAILS & AS-BUILT DRAWINGS.
23. CONTRACTOR TO PROVIDE FOUR (4) SETS AND AN ELECTRONIC COPY OF AS-BUILT DRAWINGS OF THE ENTIRE SYSTEM.

GENERAL CONSTRUCTION NOTES

1. REFER TO "MULTIPLE PRIME CONTRACT NOTES" ON DWG. A1.00 & SPECIFICATIONS FOR CONTRACTORS' RESPONSIBILITIES.
2. GC IS RESPONSIBLE TO CORE DRILL ALL WALLS, FLOORS, CEILING, ROOF ETC. FOR ALL PIPE & DUCT PENETRATIONS. SEAL OPENING WITH 2-HOUR FIRE BARRIER CAULK. SEE DRAWINGS FOR APPROXIMATE LOCATIONS OF PIPES, DUCT, ETC.
3. GC TO REFER TO MECHANICAL DRAWINGS FOR PAINTING, FURNISHING AND INSTALLING ACCESS PANELS, CUTOUT LOCATIONS, ETC.

HVAC MATERIALS

EQUIPMENT:

- REFER TO SCHEDULES FOR UNIT MANUFACTURER, SIZE, AND CAPACITY DATA.

DUCTWORK:

- INDOOR AIR DUCTWORK, EXCEPT AS INDICATED BELOW, SHALL BE GALVANIZED STEEL CONSTRUCTION. WEIGHTS AND CONSTRUCTION DETAIL SHALL BE IN ACCORDANCE WITH THE LATEST ASHRAE GUIDE AND/OR SMACNA STANDARDS. MIN. 24 GAUGE DUCTWORK SHALL BE USED FOR THE PROJECT.
- OUTDOOR AIR INTAKE DUCTWORK SHALL BE ALUMINUM CONSTRUCTION CLASS "A' SEALED.
- ALL ROUND DUCTWORK SHALL BE DOUBLE-WALL SPIRAL DUCTWORK (SOLID W/ 1" THICK 3-LBS DENSITY INSULATION).
- FLEXIBLE DUCTWORK: SHALL NOT EXCEED FOUR (4) FEET IN LENGTH. FOR ANY HORIZONTAL FLEX DUCT BRANCH TO A CEILING DIFFUSER, FURNISH A 90° BRACE TO MAINTAIN A LONG RADIUS ELBOW TO THE DIFFUSER (TITUS MAKE, MODEL "FLEXRIGHT" OR APPROVAL EQUAL MANUFACTURERS).
- FIRE DAMPER: GREENHECK MAKE, MODEL FD-150 TYPE B (BLADE OUT OF AIRSTREAM), 1-1/2 HR RATED (UNLESS OTHERWISE NOTED) UL-555 LABELED DAMPER W/ STANDARD FRAME (OR APPROVED EQUAL). PROVIDE WW/ A RETAINING ANGLE & ACCESS DOOR.

AIR DEVICES:

- CD - TITUS MAKE, MODEL PAS (12"x12" OR 24"x24" MODULE W/ SQUARE, STEEL CONSTRUCTION).
- EG - TITUS MAKE, MODEL 300RS STEEL CONSTRUCTION.

NOTES:
1. ALL CEILING DIFFUSERS LOCATED IN GYPSUM BOARD AND/OR CONCEALED SPLINE CEILINGS SHALL BE PROVIDED WITH FRAME TYPE FOR SURFACE MOUNTING.
2. PROVIDE FACTORY INSTALLED 90° BLANK-OFF PLATE(S) IN ALL 2 AND 3 WAY DIFFUSERS.
3. COLOR OF NEW AIR INLETS & OUTLETS SHALL MATCH THE CEILING COLOR.
4. NC RATING OF ALL CDs SHALL NOT EXCEED 20. NC RATING OF ALL RARs/EARs SHALL NOT EXCEED 22.

PIPING:

- HOT WATER PIPING SHALL BE HARD COPPER TYPE "L" W/ SOLDERED FITTINGS. PROVIDE DIELECTRIC FITTINGS FOR CONNECTION OF DISSIMILAR PIPING.
- REFRIGERANT PIPING SHALL BE HARD COPPER TYPE "K" WITH BRAZED FITTINGS.
- CONDENSATE DRAIN PIPING SHALL BE HARD COPPER TYPE "L" WITH WROUGHT COPPER SOLDERED FITTINGS. REFER TO PLUMBING DRAWINGS.

INSULATION:

- ALL DUCTWORK (SA, RA, OA, ETC.) SHALL BE INSULATED W/ EXTERNAL DUCT INSULATION, UNLESS OTHERWISE NOTED ON DRAWINGS.
- EXTERNAL DUCTWORK INSULATION: NEW DUCTWORK SHALL BE INSULATED WITH A MINIMUM OF R-6 (2" THICK, MIN. 1LB. DENSITY) FIBERGLASS DUCT INSULATION PER THE REQUIREMENTS OF IECC 2015, WITH REINFORCED FOIL FACED FLAME RESISTANT VAPOR BARRIER, ADHERE TO DUCT W/ SEALED LAPS AND TAPED JOINTS.
- INTERNALLY LINED DUCT: 1" THICK, MIN. 2 LB. DENSITY RIGID INSULATION ADHERED TO DUCT. DUCTS WIDER THAN 12" TO HAVE WELDED PINS AND WASHERS. DUCT DIMENSIONS AS INDICATED ARE CLEAR INSIDE DUCT DIMENSIONS.

  NOTES:
  1. ALL SUPPLY AIR DUCTWORK SHALL BE INTERNALLY LINED FOR A MINIMUM OF 15' DOWNSTREAM OF ALL FCU OR AS NOTED ON THE DRAWINGS.
- DUCT INSULATION NOTE: PROVIDE A MINIMUM 6" OVERLAP WHERE INTERNAL INSULATION ENDS AND EXTERNAL INSULATION BEGINS.
- FRESH AIR INTAKE AND EXPOSED DUCT: 1" THICK, MIN. 2 LB. DENSITY RIGID FIBERGLASS DUCT INSULATION WITH FOIL FACING VAPOR BARRIER FASTENED WITH WELDED CLIPS, CEMENTED JOINTS WITH ALUMINUM TAPE.
- HEATING PIPING INSULATION: REFER TO SPEC. SECTION FOR PIPE INSULATION REQUIREMENTS.
- INTERIOR REFRIGERANT SUCTION & HOT GAS BYPASS PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL).
- EXTERIOR REFRIGERANT SUCTION, LIQUID & HOT GAS BYPASS PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL) & BE PROVIDED WITH MIN. 30 MIL PVC FIELD APPLIED JACKETS.
- CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION (AP ARMAFLEX BLACK LAPSEAL OR APPROVED EQUAL). REFER TO PLUMBING DRAWINGS.

SYMBOLS

NOT TO SCALE

= 4-WAY SUPPLY AIR CEILING DIFFUSER (SAD) WITH NECK SIZE AND AND CFM INDICATED ON PLANS.

= RETURN AIR REGISTER (RAR) WITH NECK SIZE AND CFM INDICATED ON PLANS.

= EXHAUST AIR REGISTER (EAR) WITH NECK SIZE AND CFM INDICATED ON PLANS.

= SUPPLY AIR CEILING REGISTER/GRILLE (SAR) WITH NECK SIZE AND CFM INDICATED ON PLANS.

= RETURN AIR REGISTER (RAR) WITH NECK SIZE AND CFM INDICATED ON PLAN

= POINT OF CONNECTION OF NEW PIPING/DUCTWORK TO EXISTING

= POINT OF DISCONNECTION OF NEW PIPING/DUCTWORK TO EXISTING

W" x D" = INDICATES HARD DUCT WITH INTERNAL LINING (DIMENSIONS ARE INSIDE CLEAR WIDTH & DEPTH).

W" x D" = INDICATES HARD DUCT (DIMENSIONS ARE INSIDE CLEAR WIDTH & DEPTH).

= DUCT TURN UP (SUPPLY, RETURN, EXHAUST)

= DUCT TURN DOWN (SUPPLY, RETURN, EXHAUST)

DSD/AD = DUCT SMOKE DETECTOR WITH ACCESS DOOR

FD/AD = FIRE/DAMPER WITH ACCESS DOOR

VD = VOLUME DAMPER

BDD = BACK DRAFT DAMPER

= INDICATES NEW ROOM THERMOSTAT

CLASSROOM 201 = ROOM NAME / ROOM NUMBER

1 = REVISION

= PIPE TURN UP

= PIPE TURN DOWN

OR = BALL VALVE

= CHECK VALVE

= UNION

= PRESSURE GAUGE

= TEMPERATURE GAUGE

= STRAINER

= CONTROL VALVE

ABBREVIATIONS

&	=	AND	IAQ	=	INDOOR AIR QUALITY
@	=	AT	ID	=	INSIDE DIAMETER (DIM)
ø	=	DIAMETER OR ROUND	IN	=	INCH
(E)	=	EXISTING	INFO	=	INFORMATION
(N)	=	NEW	KMA	=	KITCHEN MAKEUP AIR
AC	=	AIR CONDITIONING UNIT	KMC	=	KITCHEN MECHANICAL CONTRACTOR
ACC	=	AIR COOLED CONDENSING UNIT	KX	=	KITCHEN EXHAUST
AD	=	ACCESS DOOR			
ADD'L	=	ADDITIONAL	LAT	=	LEAVING AIR TEMPERATURE
AFF	=	ABOVE FINISHED FLOOR			
ALC	=	AUTOMATED LOGIC CONTROL	LDB	=	LEAVING DRY BULB
			LSD	=	LINEAR SLOT DIFFUSER
ALT	=	ALTERNATE	LWB	=	LEAVING WET BULB
ALUM	=	ALUMINUM	LWT	=	LEAVING WATER TEMPERATURE
AS	=	AIR SEPARATOR			
BDD	=	BACK DRAFT DAMPER	MAX	=	MAXIMUM
BLDG	=	BUILDING	MC	=	MECHANICAL CONTRACTOR
BMS	=	BUILDING MANAGEMENT SYSTEM	MECH	=	MECHANICAL
			MFR	=	MANUFACTURER
CD	=	CEILING DIFFUSER	MIN	=	MINIMUM
CFM	=	CUBIC FEET PER MINUTE			
CLG	=	CEILING	NK	=	NECK SIZE
CO	=	CLEANOUT	NTS	=	NOT TO SCALE
CP	=	CONDENSATE DRAIN PUMP	OA	=	OUTSIDE AIR
CV	=	CONVECTOR	OD	=	OUTSIDE DIAMETER
DDC	=	DIRECT DIGITAL CONTROL	PC	=	PLUMBING CONTRACTOR
DIA	=	DIAMETER			
DN	=	DOWN	RA	=	RETURN AIR
DSD	=	DUCT SMOKE DETECTOR	RAR	=	RETURN AIR REGISTER
DWG	=	DRAWING	RG	=	RETURN GRILLE
			RM	=	ROOM
EA	=	EAHAUST AIR	RTU	=	ROOFTOP HVAC UNIT
EAR	=	EXHAUST AIR REGISTER			
EAT	=	ENTERING AIR TEMPERATURE	SA	=	SUPPLY AIR
			SAD	=	SUPPLY AIR DIFFUSER
EC	=	ELECTRICAL CONTRACTOR	SAR	=	SUPPLY AIR REGISTER
			SD	=	SMOKE DAMPER
EF	=	EXHAUST FAN	SPEC	=	SPECIFICATION
ENCL	=	ENCLOUSURE	SR	=	SUPPLY AIR SIDE REGISTER
ET	=	EXPANSION TANK			
EXIST	=	EXISTING	SS	=	STAINLESS STEEL
EWT	=	ENTERING WATER TEMPERATURE	TG	=	TRANSFER AIR GRILLE
			TYP	=	TYPICAL
FAI	=	FRESH AIR INTAKE			
FC	=	FLEXIBLE CONNECTION	UH	=	UNIT HEATER
FCU	=	FAN COIL UNIT	UV	=	UNIT VENTILATOR
FD	=	FIRE DAMPER			
FLR	=	FLOOR	VD	=	VOLUME DAMPER
FTR	=	FINED TUBE RADIATION/BASEBOARD	VFD	=	VARIABLE FREQUENCY DRIVE
			VERT	=	VERTICAL
GC	=	GENERAL CONTRACTOR	VIF	=	VERIFY IN FIELD
			VRF	=	VARIABLE REFRIGERANT FLOW
HORIZ	=	HORIZONTAL			
HVAC	=	HEAT/VENTILATION/AIR CONDITIONING	W/	=	WITH
			WMS	=	WIRE MESH SCREEN
HWH	=	HOT WATER HEATER			

Date	9/25/20
Checked	Value
Drawn	Value

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

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Revisions:

BID CONFORMANCE SET 11/20/20

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SED PROJECT #66-08-01-06-0-005-020

MECHANICAL GEN. NOTES, LEGEND & ABBREV.

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
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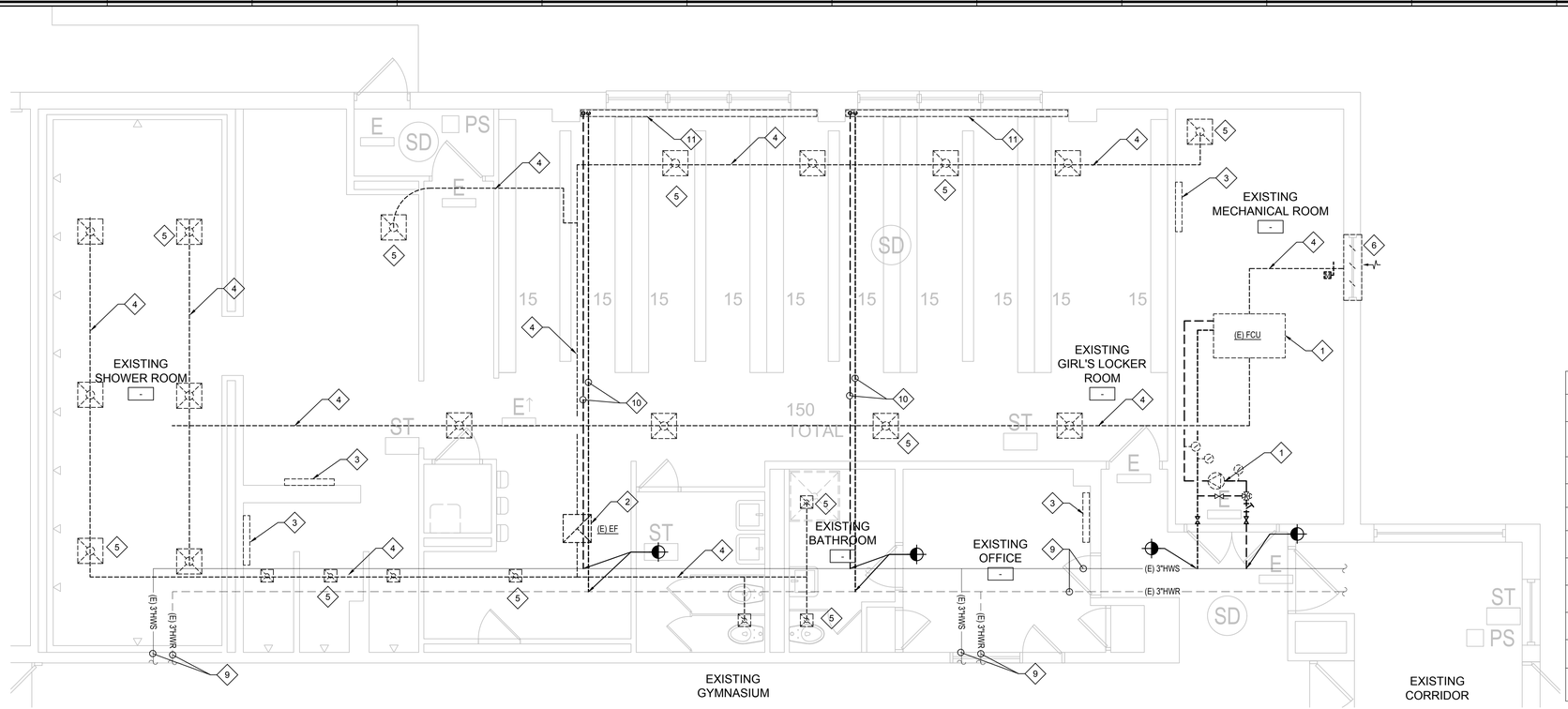
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908M101

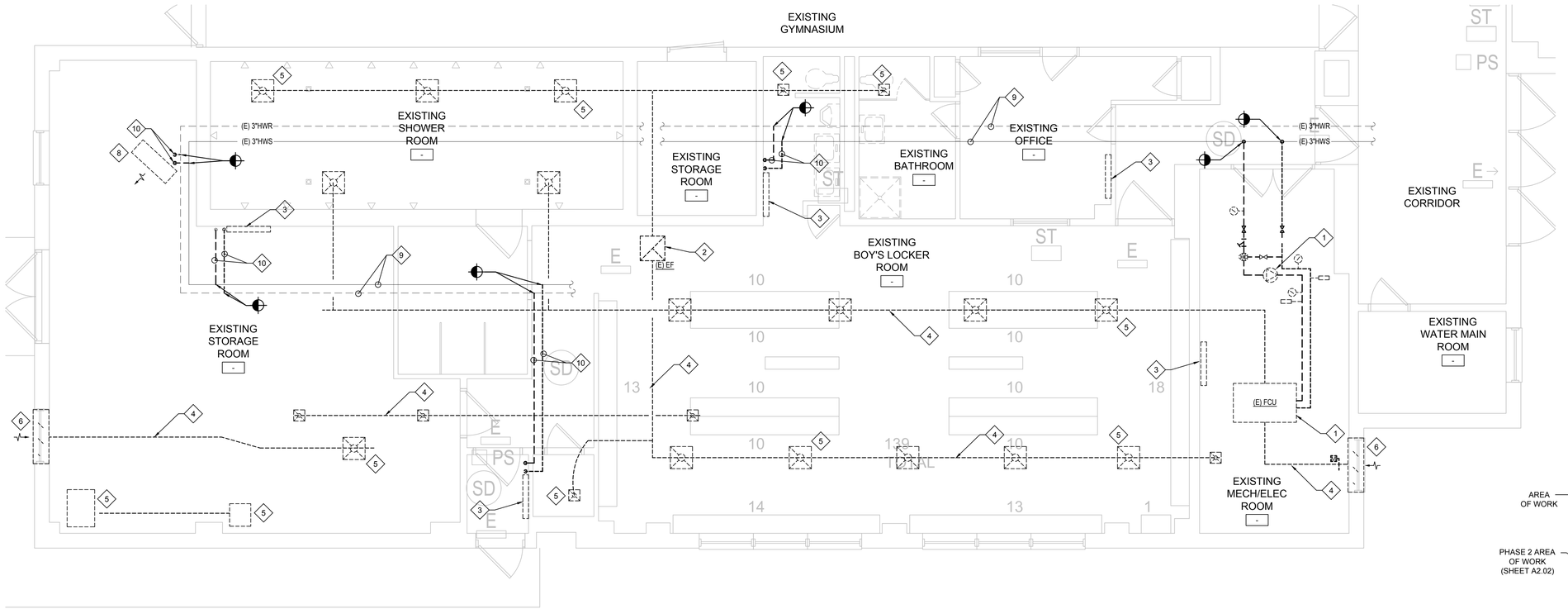
M0.01



1 M1.01 — Existing Girl's Locker Room - Partial (West) Demolition Plan

1/4" = 1'-0"

NORTH



2 M1.01 — Existing Boy's Locker Room - Partial (East) Demolition Plan

1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. SIZES & LOCATIONS OF EXIST. MECH. EQUIPMENT, DUCTWORK, AIR INLETS/OUTLETS, PIPING, ETC. SHOWN ON DRAWINGS ARE BASED ON SITE OBSERVATIONS & THEY ARE APPROXIMATE. SOME OF DUCT & PIPE ROUTING COULD BE DIFFERENT FROM THAT SHOWN. MC IS REQUIRED TO PROVIDE DUCTWORK SHOP DRAWINGS IDENTIFYING THEM.
2. NOT ALL EXIST. DUCTWORK, PIPING & UTILITIES ARE SHOWN ON DRAWINGS. VERIFY IN FIELD.
3. MC IS RESPONSIBLE TO PATCH ALL OPENINGS ON CLGS, WALLS & ROOF WHERE EXIST. MECH. EQUIPMENT, DUCTWORK & PIPING ARE REMOVED. INFILL & PATCH W/ SUITABLE MATERIALS & PAINT TO MATCH EXISTING.
4. MC IS RESPONSIBLE TO ISOLATE/SHUTDOWN & DRAIN-DOWN EXIST. HOT WATER HEATING PIPING SYSTEM TO ACCOMMODATE REMOVAL OF EXIST. HWS/HWR PIPING ASSOCIATED W/ DEMOLISHED MECH. EQUIPMENT AND INSTALLATION OF NEW MECH. EQUIPMENT & PIPING. RESTORE THE SYSTEM AFTER ALL WORK IS COMPLETE.
5. MC TO REMOVE ALL EXIST. CONTROLS & RELATED WIRING & CONDUITS, ETC. WHICH BECOME OBSOLETE, WHETHER OR NOT SHOWN ON DWGS.

ITEM #	DEMOLITION KEY NOTES
1	EXIST. SUSPENDED FAN COIL UNIT (FCU) TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. DUCTWORK, PIPING, CIRCULATING PUMP, VALVES, INLETS & OUTLETS, LOUVERS, SUPPORTS, CONTROLS, ETC.
2	EXIST. ROOF MOUNTED EXHAUST FAN (EF) TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. DUCTWORK, GRILLES, LOUVERS, ROOF CURB, CONTROLS, ETC. PATCH AND SEAL ROOF TO MATCH EXIT. REFER TO ARCH. DWGS.
3	EXIST. CONVECTOR (CV) TO BE REMOVED, COMPLETE W/ ASSOCIATED EXIST. PIPING, VALVES, CONTROLS, ETC. CAP PIPE OPENINGS ON EXIST. MAINS.
4	EXIST. DUCTWORK & RELATED DAMPERS, INSULATION, SUPPORTS, FILTERS, CONTROLS, ETC. TO BE REMOVED.
5	EXIST. AIR INLET/OUTLET & RELATED DUCTWORK, DAMPER, ETC. TO BE REMOVED. (TYP.)
6	EXIST. EA / FAI LOUVERS / WALL CAP TO BE REMOVED. INFILL OPENING TO MATCH EXIST. REFER TO ARCH. DWGS.
7	EXIST. FURNACE IN PLENUM SPACE AND ASSOCIATED FLUE, CONTROLS, DUCTWORK, ETC. TO BE DEMOLISHED. PENETRATIONS THRU ROOF TO BE PATCH AND SEAL. REFER TO ARCH. DWGS.
8	EXIST. SUSPENDED HOT WATER HEATER AND ASSOCIATED HANGES, CONTROLS, VALVES, ETC. TO BE DEMOLISHED.
9	EXIST. HWS/HWR PIPING, INSULATION, HANGERS, VALVES, ETC. TO REMAIN.
10	EXIST. HWS/HWR BRANCHES SERVING HEATING EQUIPMENT TO BE DEMOLISHED TO MAIN PIPING.
11	EXIST.FIN TUBE RADIATOR TO BE DEMOLISHED.

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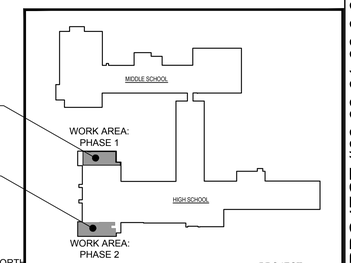

Key Plan

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Date	9/25/20
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REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.
License No. 022257-1
Title: REGISTERED ARCHITECT

Revisions:

BID CONFORMANCE SET
11/20/20

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MECHANICAL DEMOLITION FLOOR PLANS

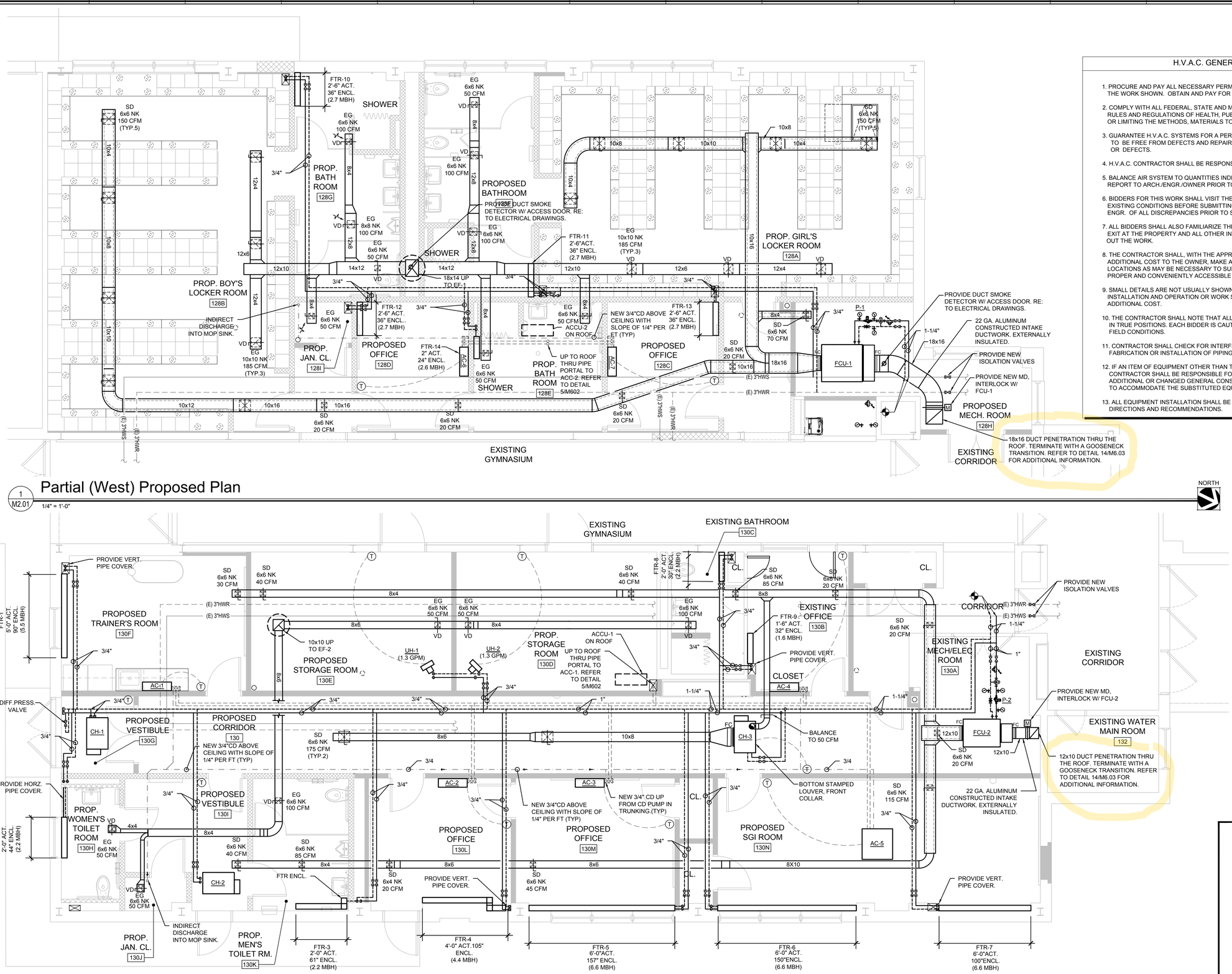
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

SED PROJECT #66-08-01-06-0-005-020

Job No. 4.1449.08

File No. 4144908M101

M1.01



1 M2.01 Partial (West) Proposed Plan

1/4" = 1'-0"

NORTH

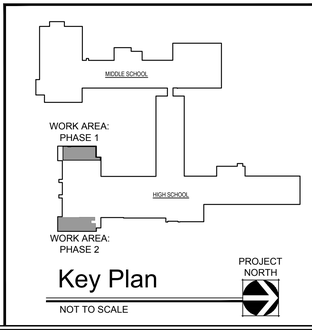
H.V.A.C. GENERAL NOTES

1. PROCURE AND PAY ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT THE WORK SHOWN. OBTAIN AND PAY FOR ALL FEES.
2. COMPLY WITH ALL FEDERAL, STATE AND MUNICIPAL LAWS AND CODES, ORDINANCES, RULES AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED.
3. GUARANTEE H.V.A.C. SYSTEMS FOR A PERIOD OF TWO YEARS FROM OWNER'S ACCEPTANCE TO BE FREE FROM DEFECTS AND REPAIR OR REPLACE, AT NO COST TO OWNER, FAILURES OR DEFECTS.
4. H.V.A.C. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL HIS DEBRIS.
5. BALANCE AIR SYSTEM TO QUANTITIES INDICATED. CONTRACTOR TO SUBMIT AIR BALANCING REPORT TO ARCH./ENGR./OWNER PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM.
6. BIDDERS FOR THIS WORK SHALL VISIT THE PREMISES AND CAREFULLY EXAMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING BIDS. CONTRACTOR SHALL NOTIFY ARCH. & ENGR. OF ALL DISCREPANCIES PRIOR TO SUBMITTING BID.
7. ALL BIDDERS SHALL ALSO FAMILIARIZE THEMSELVES WITH THE MEANS OF ENTRANCE AND EXIT AT THE PROPERTY AND ALL OTHER INFORMATION NECESSARY TO PROPERLY CARRY OUT THE WORK.
8. THE CONTRACTOR SHALL, WITH THE APPROVAL OF THE ENGINEER AND WITHOUT ADDITIONAL COST TO THE OWNER, MAKE ALL NECESSARY CHANGES OR MODIFICATIONS TO LOCATIONS AS MAY BE NECESSARY TO SUIT REQUIREMENTS AND CONDITIONS FOR THE PROPER AND CONVENIENTLY ACCESSIBLE LOCATIONS OF ALL PARTS OF EACH SYSTEM.
9. SMALL DETAILS ARE NOT USUALLY SHOWN OR SPECIFIED BUT NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OR WORK SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST.
10. THE CONTRACTOR SHALL NOTE THAT ALL SERVICE CONNECTIONS MAY NOT BE SHOWN IN TRUE POSITIONS. EACH BIDDER IS CAUTIONED, THEREFORE, TO VERIFY SAME WITH FIELD CONDITIONS.
11. CONTRACTOR SHALL CHECK FOR INTERFERENCES AND VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR INSTALLATION OF PIPING AND DUCTWORK.
12. IF AN ITEM OF EQUIPMENT OTHER THAN THE ITEM(S) SPECIFIED IS APPROVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COST ARISING OUT OF ADDITIONAL OR CHANGED GENERAL CONSTRUCTION AND MECHANICAL WORK REQUIRED TO ACCOMMODATE THE SUBSTITUTED EQUIPMENT.
13. ALL EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS AND RECOMMENDATIONS.

2 M2.01 Partial (East) Proposed Plan

1/4" = 1'-0"

NORTH



Key Plan

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PROJECT NORTH

Date	9/25/20
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REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A. — Title: REGISTERED ARCHITECT — License No. 022257-1

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SED PROJECT #66-08-01-06-0-005-020

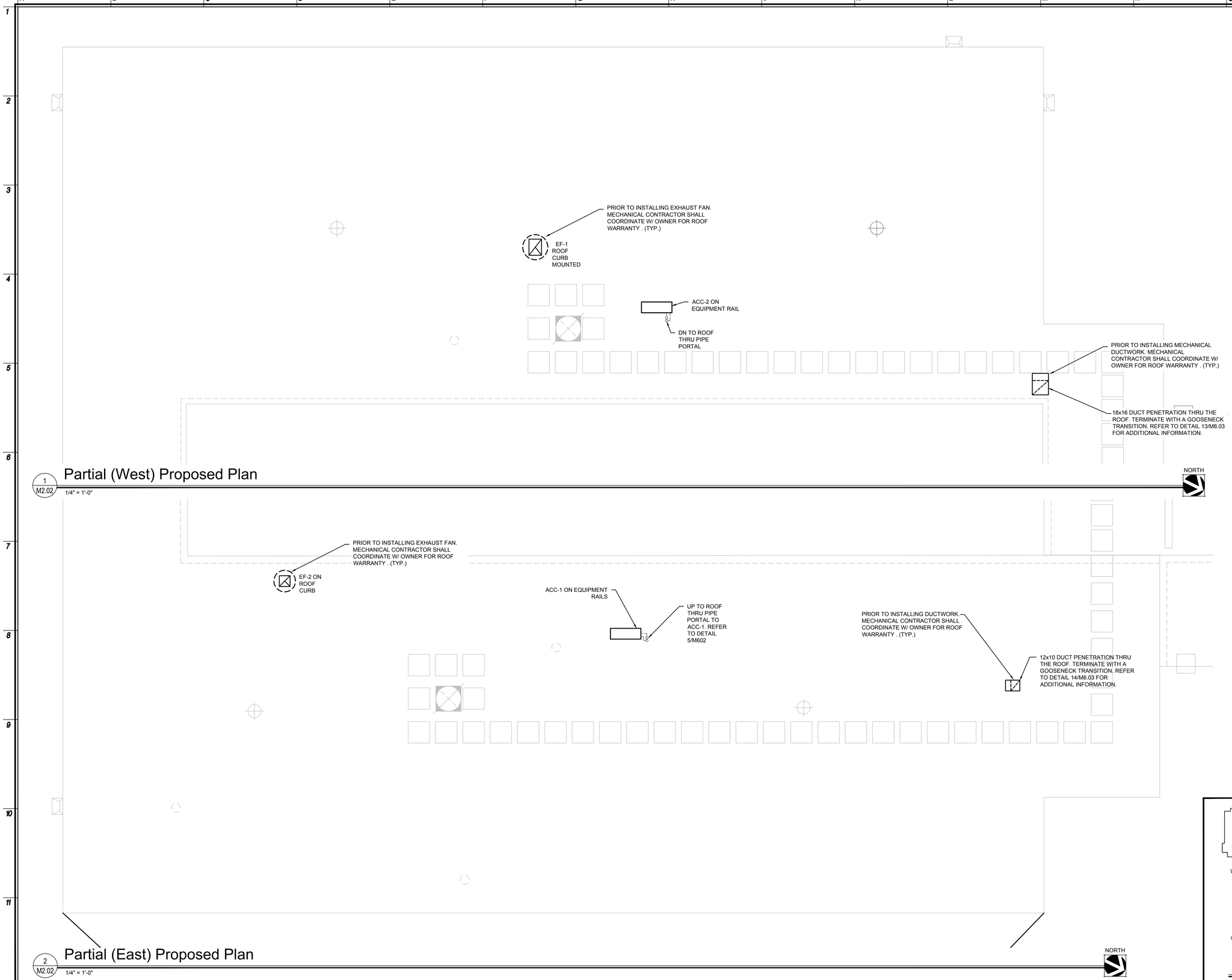
PARTIAL MECHANICAL PROPOSED FLOOR PLANS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908M101

M2.01

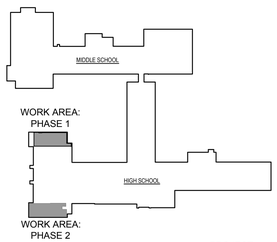


1 M2.02 Partial (West) Proposed Plan

1/4" = 1'-0"

2 M2.02 Partial (East) Proposed Plan

1/4" = 1'-0"



Key Plan

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MICHAEL J. McGOVERN, R.A.

Title REGISTERED ARCHITECT

License No. 022257-1

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PARTIAL MECHANICAL PROPOSED ROOF PLAN

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

SED PROJECT #66-08-01-06-0-005-020

Job No. 4.1449.08

File No. 4144908M101

M2.02

EXHAUST FAN SCHEDULE

(GREENHECK AS STANDARD)

TAG No.	QTY	CFM	ESP (IN.)	HP	RPM	ELECTRICAL DATA VOLT-PH-HZ	MODEL & MANUFACTURER	REMARKS
EF-1	1	1760	1.0	3/4	1725	208-3-60	GB-141-7 GREENHECK	BELT DRIVE CENTRIFUGAL ROOF MOUNTED, STANDARD MOTOR, NEMA-1 DISCONNECT SWITCH, BIRD SCREEN, 18" ROOF CURB & BACK DRAFT DAMPER, INTERLOCK W/ FCU-1.
EF-2	1	400	0.75	1/4	1725	120-1-60	GB-101-4 GREENHECK	BELT DRIVE CENTRIFUGAL ROOF MOUNTED, STANDARD MOTOR, NEMA-1 DISCONNECT SWITCH, BIRD SCREEN, 18" ROOF CURB & BACK DRAFT DAMPER, INTERLOCK W/ FCU-2.

DUCTLESS SPLIT-DX INDOOR AC/HEAT PUMP UNIT SCHEDULE

(DAIKIN AS STANDARD)

TAG No.	AREA SERVED	AIR FLOW L-H (CFM)	OUTDOOR AIR (CFM)	COOLING		HEATING	MODEL & MANUFACTURER	ELECTRICAL DATA			DIMENSIONS LxWxH (IN)	APPROX. WEIGHT (LBS)	REFRIGERANT TYPE	REMARKS
				TBMH	SBMH	MBH		VOLT/PH/HZ	MCA	MOP				
AC-1	TRAINER'S ROOM 130F	180-290	-	11.0	8.3	13	FXAQ12PVJU DAIKIN	208/1/60	0.4	15	31 x 12 x 9	30	R-410A	WALL-MOUNTED HEAT PUMP AC UNIT.
AC-2	OFFICE 130M	180-290	-	11.0	8.3	13	FXAQ12PVJU DAIKIN	208/1/60	0.4	15	31 x 12 x 9	30	R-410A	WALL-MOUNTED HEAT PUMP AC UNIT.
AC-3	OFFICE 130L	175-280	-	8.0	7.0	8	FXAQ09PVJU DAIKIN	208/1/60	0.4	15	31 x 12 x 9	30	R-410A	WALL-MOUNTED HEAT PUMP AC UNIT.
AC-4	EXISTING OFFICE 130B	160-260	-	7.0	5.9	7	FXAQ07PVJU DAIKIN	208/1/60	0.4	15	31 x 12 x 9	30	R-410A	WALL-MOUNTED HEAT PUMP AC UNIT.
AC-5	SGI 130N	470-635	-	22.0	17.9	22.0	FXFQ24PVJU DAIKIN	208/1/60	0.5	15	33 x 33 x 9	60	R-410A	CEILING-MOUNTED HEAT PUMP AC UNIT.
AC-6	OFFICE 128D	160-260	-	7.0	7.0	7	CTXS07LVJU DAIKIN	208/1/60	0.4	15	31 x 12 x 9	30	R-410A	WALL-MOUNTED HEAT PUMP AC UNIT.
AC-7	OFFICE 128C	160-260	-	7.0	7.0	7	CTXS07LVJU DAIKIN	208/1/60	0.4	15	31 x 12 x 9	30	R-410A	WALL-MOUNTED HEAT PUMP AC UNIT.

NOTES:
1. FOR AC-1,2,3,4,6 &7, PROVIDE WALL-MOUNTING PLATES, CONDENSATE PUMP W/ RESERVOIR SENSOR & ALARM CONTACT. PUMP TO BE POWERED BY AC UNIT).
2. PROVIDE PROPER REFRIGERANT FOR ALL UNITS.
3. INTERLOCK W/ RESPECTIVE ACCUs.
4. PROVIDE ONE (1) EXTRA SET OF WASHABLE FILTERS FOR EACH UNIT.

OUTDOOR AIR-COOLED CONDENSING UNIT SCHEDULE

(DAIKIN AS STANDARD)

TAG No.	LOCATION	UNIT SERVED	COOLING OPERATING TEMP. (°F)	HEATING OPERATING TEMP. (°F)	NOMINAL COOLING (MBH)	NOMINAL HEATING (MBH)	MODEL & MANUFACTURER	ELECTRICAL DATA VOLT/PH/HZ	COMPRESSOR NO.	COND. FAN NO.	MCA	MOP	REFRIGERANT TYPE	UNIT DIMENSIONS WxHxD (IN)	APPROX. WEIGHT (LBS)	SEER	REMARKS
ACCU-1	ROOF	AC-1 THU 5	14 TO 115	-4 TO 75	59.0	63.0	RXTQ60TAVJU DAIKIN	208/1/60	1	1	29.1	35	R-410A	36 x 53 x 13	225	18.0	SEE NOTES.
ACCU-2	ROOF	AC-6,7	14 TO 115	-4 TO 75	18	18.9	2MXS18NMVJU DAIKIN	208/1/60	1	1	15.8	20	R-410A	34 x 28 x 12	125	18.9	SEE NOTES.

NOTES:
1. PROVIDE 24" HIGH, "PATE" MAKE (OR APPROVED EQUAL) EQUIPMENT ROOF SUPPORT CURBS FOR EACH UNIT.
2. PROVIDE W/ LOW AMBIENT CONTROL FOR ACCU-1 & 2.
3. INTERLOCK W/ RESPECTIVE AC UNITS FOR OPERATION.
5. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL NEMA 3R DISCONNECT SWITCH & GFI CONVENIENCE OUTLET. REFER TO ELECTRICAL DRAWINGS.

FAN COIL UNIT SCHEDULE

(GREENHECK AS STANDARD)

MARK No.	UNIT LOCATION	UNIT SIZE W x L x H	ELECTRICAL DATA VOLT-PH-HZ	HP	CFM	ESP IN	MIN OA CFM	COIL ROWS	HEATING					MODEL & MANUFACTURER	REMARKS
									MBH	EWT/LWT	LAT F°	GPM	WPD		
FC-1	WEST SIDE	40 x 44 x 21	208 - 3 - 60	180	1,650	1.0	1,650	2	137.4	180/160	85	14.2	3.3	TBH-16 GREENHECK	W/ WALL BOX, DUCT COLLAR, ASHARE CYCLE II CONTROL, 3-WAY CONTROL VALVE PIPING PACKAGE, REMOTE ROOM THERMOSTAT.
FC-2	EAST SIDE	30 x 40 x 21	208 - 3 - 60	120	610	0.75	610	2	52.4	180/160	87.4	5.4	7.2	TBH-08 GREENHECK	W/ WALL BOX, DUCT COLLAR, ASHARE CYCLE II CONTROL, 3-WAY CONTROL VALVE PIPING PACKAGE, REMOTE ROOM THERMOSTAT.

HOT WATER FINNED TUBE RADIATION SCHEDULE

(STERLING AS STANDARD)

TAG NO.	LOCATION	TUBE SIZE	FIN PER FT.	ACTIVE ELEMENT LENGTH	BTU/ HR-FT	TIERS	HOT WATER HEATING				MODEL & MANUFACTURER	REMARKS
							MBH	EWT (°F)	LWT (°F)	GPM		
FTR-1	TRAINER'S RM130F	3/4"	50	5'-0"	1,110	1	5.5.	180	160	0.5	JVB-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-2	WOMAN'S TOILET 130H	3/4"	50	2'-0"	1,110	1	2.2	180	160	0.5	JVB-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-3	MEN'S BATHROOM 130K	3/4"	50	2'-0"	1,110	1	2.2	180	160	0.5	JVB-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-4	OFFICE 130L	3/4"	50	5'-0"	1,110	1	5.5	180	160	0.5	JBV-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-5	OFFICE 130M	3/4"	50	6'-0"	1,110	1	6.6	180	160	0.6	JBV-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-6,7	SGI 130N	3/4"	50	6'-0"	1,110	1	6.6	180	160	0.6	JBV-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-8	EXIST. TOILET	3/4"	50	2'-0"	1,110	1	2.2	180	160	0.5	JVB-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-9	EXIST. OFFICE	3/4"	50	1'-6"	1,110	1	1.6	180	160	0.5	JVB-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-10,11	GIRL'S/BOY'S BATHROOMS	3/4"	50	2'-6"	1,110	1	2.7	180	160	0.5	JVB-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-12,13	OFFICE 129C/128D	3/4"	50	2'-6"	1,110	1	2.7	180	160	0.5	JVB-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.
FTR-14	BATHROOM 128E	3/4"	50	2'-0"	1,110	1	2.6	180	160	0.5	JVB-F STERLING	PROVIDE W/ WATER BRACKETS W/ HANGERS. SEE NOTES BELOW.

NOTES:
1. ALL FTRs SHALL BE 14" H x 5-5/16" D. THE LENGTH INDICATED IN ABOVE SCHEDULE IS ACTIVE FINNED TUBE LENGTH. THE OVERALL LENGTH OF COVERS (ENCLOSURES) SHALL BE WALL TO WALL OR AS INDICATED ON FLOOR PLANS.
2. PROVIDE W/ MIN. 14 GAUGE GALVANIZED STEEL FRONT COVER, 18 GA. FULL HEIGHT BACK PANEL, AIR VENT, CORNER PIECES, SPLICE PLATES, END CAPS, VALVE ENCLOSURE COVER & WALL TO WALL COVER, WATER BRACKETS & TAMPER RESISTANT DAMPERS.
3. PROVIDE DANFOSS CONTROL VALVE W/ UNIT MOUNTED DIAL-CONTROL FOR EACH FTR.
4. PROVIDE PIPE ENCLOSURE SAME GAUGE AND FINISH AS COVERS WHERE INDICATED.

HOT WATER CABINET HEATER SCHEDULE

(TRANE AS STANDARD)

TAG NO.	AREA SERVED	S.A. CFM	O.A. CFM	HOT WATER HEATING				HP	ELECTRICAL DATA V - PH - HZ	FLA	MOP	MODEL & MANUFACTURER	DIMENSIONS (L x W x H) (IN)	APPROX. UNIT WEIGHT (LBS)	REMARKS
				MBH	EWT (°F)	LWT (°F)	GPM								
CH-1,2	VESTIBULES	220	-	5.0	180	160	0.5	0.22	208 - 1 - 60	1.8	15	FF MODEL E TRANE	34 x 25 x 10	100	SEE NOTES.
CH-3	CORRIDOR 130	350	50	5.3	180	160	0.5	0.22	208 - 1 - 60	1.9	15	FF MODEL C TRANE	26 x 27 x 10	100	SEE NOTES.

NOTES:
1. PROVIDE W/ HW HEATING COIL, FACTORY INSTALLED DELUXE PIPING PACKAGE OPTION #F W/ 2-WAY MODULATING CONTROL VALVE FOR EACH UNIT.
2. PROVIDE W/ ECM MOTOR, FILTERS, KEYLOCK PANEL & ACCESS DOOR, & DISCONNECT SWITCH FOR EACH UNIT.
3. PROVIDE W/ BOTTOM STAMPED INLET & OUTLET LOUVERS FOR CEILING-HUNG HORIZONTAL UNITS.
4. UNIT COLOR TO BE SELECTED BY OWNER. PROVIDE COLOR CHART.

HOT WATER UNIT HEATER SCHEDULE

(REZNOR AS STANDARD)

TAG NO.	LOCATION	CFM	HP	HOT WATER HEATING					ELECTRICAL DATA V - PH - HZ	MODEL & MANUFACTURER	REMARKS
				MBH	EWT (°F)	LWT (°F)	GPM	WPD			
UH-1,2	STORAGE 130E/130E	270	0.04	13	180	160	1.3	0.06	115 - 1 - 60	WS-18/24 REZNOR	PROVIDE W/ 4-WAY DIFFUSER, OSHA FAN GUARD, DISCONNECT SWITCH, TRANSFORMER, & HEAVY DUTY THERMOSTAT.

PUMP SCHEDULE

MARK No.	GPM	FT. HD.	HP	RPM	ELECTRIC DATA VOLT - PH - HZ	MODEL & MANUFACTURER	REMARKS
P - 1	14.2	15	1/6	3300	115-1-60	SERIES PL PL-45 BELL & GOSSETT	W/ FITTINGS PER SPECIFICATION
P - 2	5.4	12	1/6	3300	115-1-60	SERIES PL PL-36 BELL & GOSSETT	W/ FITTINGS PER SPECIFICATION

Date 9/25/20
Checked Value
Drawn Value

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

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

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MECHANICAL SCHEDULES

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

SED PROJECT #66-08-01-06-0-005-020

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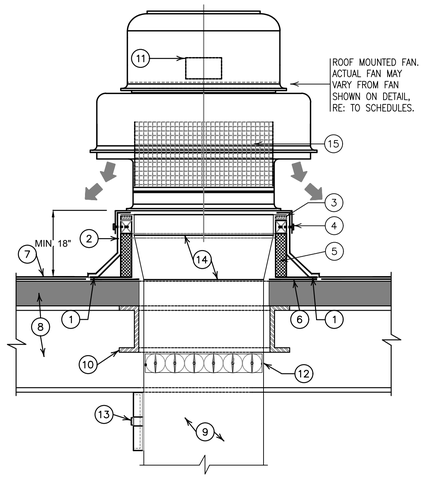


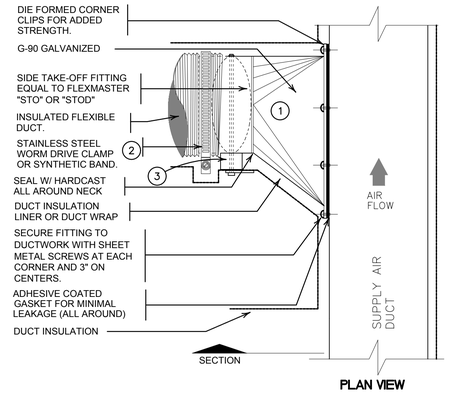
GENERAL NOTES:

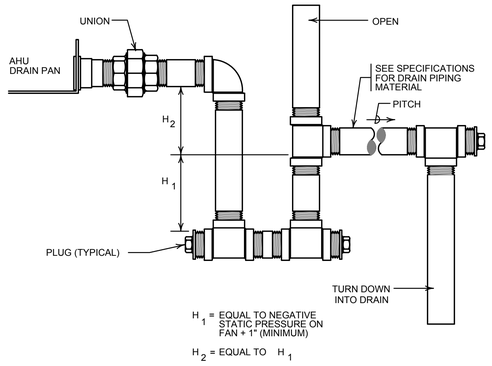
1. CONSULT LOCAL CODE AUTHORITIES FOR SPECIFIC REQUIREMENTS.
2. ROOF CURB AND ROOF OPENING DIMENSIONS SHALL BE DETERMINED BY FAN MANUFACTURER.

KEYED NOTES:

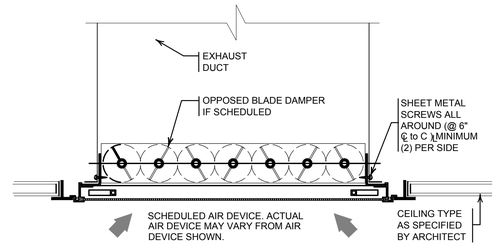
1. SECURE FAN ROOF CURB TO ROOF WITH SHEET METAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION. SECURE FAN ROOF CURB TO ROOF USING FASTENERS AT 12" O.C. BEFORE APPLYING ROOFING FELT & ROOF INSULATION. (IF REQUIRED) MINIMUM OF 2 PER SIDE.
2. ROOFING FELT TO EXTEND UP AND OVER TOP OF FAN CURB.
3. NEOPRENE GASKET APPLIED TO TOP OF FAN CURB.
4. SECURE FAN TO ROOF CURB WITH SHEET METAL SCREWS AT 12" O.C. ALL AROUND.
5. THERMAL / ACOUSTICAL FAN ROOF CURB BY FAN MANUFACTURER.
6. SEAL ROOF AREA BELOW CURB WITH SILICONE CAULK.
7. ROOF MEMBRANE, REFER TO ARCHITECTURAL DRAWINGS.
8. ROOF STRUCTURE, REFER TO ARCHITECTURAL DRAWINGS & STRUCTURAL DRAWINGS FOR DETAILS.
9. DUCTWORK
10. FRAMED ROOF OPENING - REFER TO STRUCTURAL DRAWINGS.
11. UNIT MOUNTED DISCONNECT SWITCH WITH CONDUIT THROUGH CURB.
12. ACCESSIBLE OPPOSED BLADE BALANCE DAMPER
13. ACCESS DOOR (WERE SPECIFIED)
14. TRANSITION DUCT AS REQUIRED TO CONNECT TO FAN DAMPER TRAY.
15. 1/2" MESH BIRD SCREEN

1 FAN INSTALLATION DETAIL
NOT TO SCALE





3 DRAW-THROUGH UNIT DETAIL
NOT TO SCALE



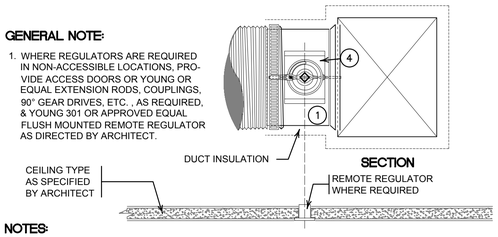
NOTES:

1. RETURN/EXHAUST AIR GRILLE SHALL BE INSTALLED SUCH THAT THE FACE OF THE GRILLE IS FLUSH WITH CEILING.
2. REFER TO DIFFUSER SCHEDULE FOR ADDITIONAL INFORMATION.
3. REFER TO ARCHITECTURAL DRAWING FOR CEILING TYPE AND CONSTRUCTION DETAILS.

4 DUCTED EXHAUST AIR GRILLE DETAIL
NOT TO SCALE

GENERAL NOTE:

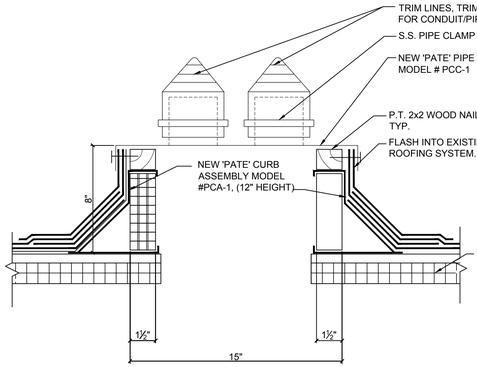
1. WHERE REGULATORS ARE REQUIRED IN NON-ACCESSIBLE LOCATIONS, PROVIDE ACCESS DOORS OR YOUNG OR EQUAL EXTENSION RODS, COUPLINGS, 90° GEAR DRIVES, ETC. , AS REQUIRED, & YOUNG 301 OR APPROVED EQUAL FLUSH MOUNTED REMOTE REGULATOR AS DIRECTED BY ARCHITECT.

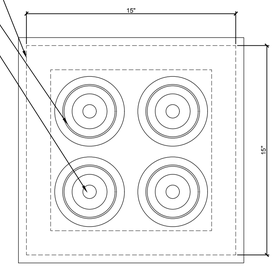


NOTES:

1. PROVIDE SQUARE TO ROUND TAP WHERE FLEXIBLE DUCT SIZE EXCEED DIMENSION OF RECTANGULAR DUCT.
2. EXTEND INSULATION AND OUTER JACKET OVER THE SECURE CLAMP/BAND AND TAPE DOWN TO SLEEVE/COLLAR TO MAINTAIN VAPOR BARRIER INTEGRITY. (TYPICAL)
3. PROVIDE DAMPER IF TAP SERVES AN AIR DISTRIBUTION DEVICE.
4. RIGID ROUND DAMPERS SHALL BE "FLEXMASTER" SLBO RAISED PLATFORM.

2 ROUND TAP DETAIL
NOT TO SCALE



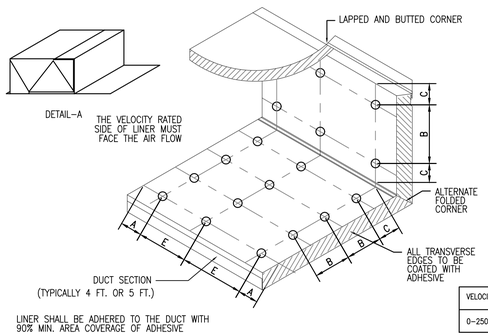


COVER PLAN

GENERAL NOTES:

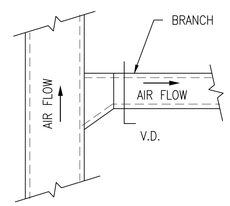
1. ALL ROOFING ASSOCIATED WITH MECHANICAL WORK IS TO BE BY MECHANICAL CONTRACTOR. THIS INCLUDES CUTTING OF DECK, BLOCKING, CURBS, SUPPORTS ANGLES AND ROOFING PATCH BACK, FLASHING, ETC. (SEE DRAWING A2.03)
2. MECHANICAL CONTRACTOR WILL HIRE A ROOFING SUBCONTRACTOR WHO IS CERTIFIED WITH THE EXISTING ROOF MANUFACTURER IN ORDER TO MAINTAIN THE EXISTING WARRANTY.

5 PIPE PORTAL DETAIL
NOT TO SCALE

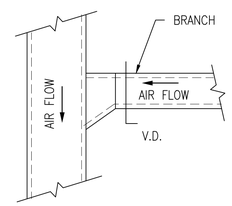


VELOCITY*	DIMENSIONS			
	A	B	C	E
0–2500 FPM	3"	12"	4"	12"

6 FLEXIBLE DUCT LINER INSULATION DETAIL
NOT TO SCALE

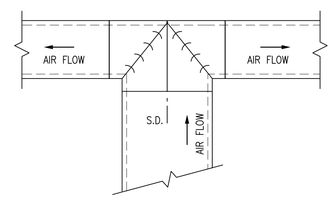


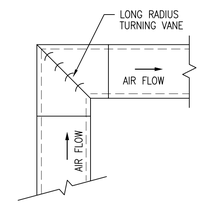
SUPPLY

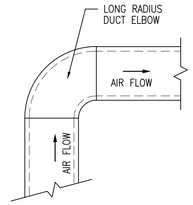


RETURN

7 DUCT / DIFFUSER TAKE OFF DETAIL
NOT TO SCALE







8 DUCT TURN DETAIL
NOT TO SCALE

Date	9/25/20
Checked	TW
Drawn	MAM

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A. — License No. 022257-1 — Title: REGISTERED ARCHITECT

Revisions:

BID CONFORMANCE SET 11/20/20

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MECHANICAL DETAILS

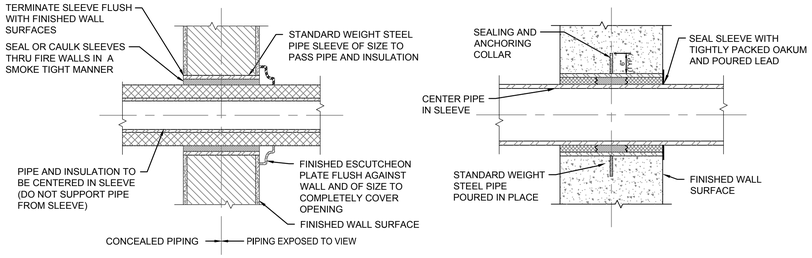
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

SED PROJECT #66-08-01-06-0-005-020

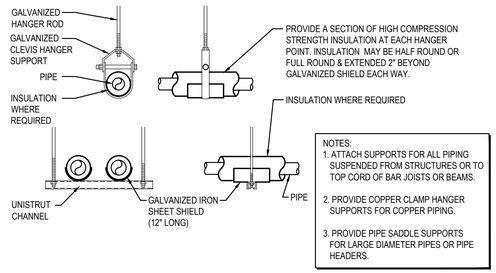
Job No. 4.1449.08

File No. 4144908M101

M6.02

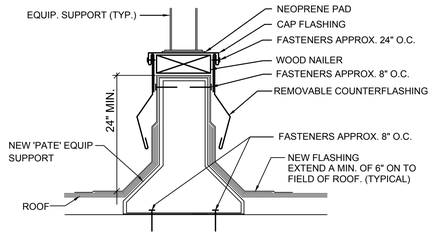


9 PIPE SLEEVES THRU WALL DETAILS
NOT TO SCALE



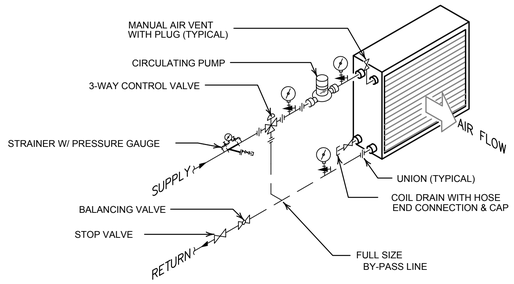
10 PIPE SUPPORT HANGERS
NOT TO SCALE

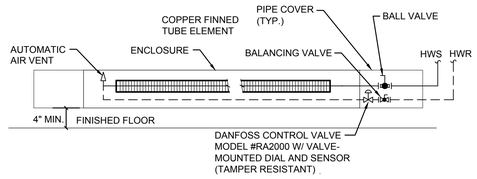
INSTALL NEW CURB PERPENDICULAR TO STEEL PLATES OF ROOF DECK. PROVIDE CRICKET IN ROOF TO DIVERT ROOF WATER AROUND CURBS.



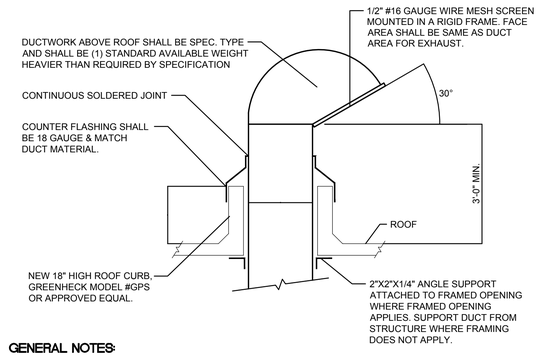
11 EQUIPMENT SUPPORT DETAIL
NOT TO SCALE

NOTES:
1. INSULATE ALL PIPING, VALVES, FITTINGS AND ACCESSORIES. RE: SPECIFICATIONS
2. INSTALL TEST PLUGS IN EASILY ACCESSIBLE LOCATIONS WITH MINIMUM OF 12" CLEARANCE IN FRONT.





13 HOT WATER FTR PIPING W/ CONTROL VALVES DETAIL
NOT TO SCALE



GENERAL NOTES:

1. ALL ROOFING ASSOCIATED WITH MECHANICAL WORK IS TO BE BY MECHANICAL CONTRACTOR. THIS INCLUDES CUTTING OF DECK, BLOCKING, CURBS, SUPPORTS ANGLES AND ROOFING PATCH BACK, FLASHING, ETC. (SEE DRAWING A2.03)
2. MECHANICAL CONTRACTOR WILL HIRE A ROOFING SUBCONTRACTOR WHO IS CERTIFIED WITH THE EXISTING ROOF MANUFACTURER IN ORDER TO MAINTAIN THE EXISTING WARRANTY.

14 GOSSENECK VENT DETAIL
NOT TO SCALE

12 SECONDARY LOOP PIPING DETAIL
NOT TO SCALE

VENTILATION SCHEDULE

Room Name	Floor Area (Sq. Ft.)	Required O.A. per Sq. Ft.	Required O.A. For Space	No. of People	Required O.A. per Person	Required OA For Occupants	Total Min. O.A. Required (CFM)	Zone Air Distribution Effectiveness	Zone Min. O.A. Required (CFM)	Design O.A. (CFM)	Design E.A. (CFM)	Remarks
WEST SIDE LOCKER ROOM												
GIRL'S LOCKER ROOM 128A	697	-	-	-	-	-	-	-	-	750	555	0.25/SF
BATHROOM 128F	190	-	-	-	-	-	-	-	-		250	50CFM/FIXT.
LOBBY	43	0.06	3	-	-	-	3	0.8	3	20		
OFFICE 128D	115	0.06	7	1	5	5	12	0.8	15	20		
BATHROOM 128G	200	-	-	-	-	-	-	-	-		250	50CFM/FIXT.
BOY'S LOCKER ROOM 128B	677	0.06	41	-	-	-	41	0.8	51	750	555	0.25/SF.
OFFICE BATHROOM 128E	127	-	-	-	-	-	-	-	-		100	50CFM/FIXT.
OFFICE 128C	115	0.06	7	1	5	5	13	0.8	16	20	-	
CORRIDOR TO LOCKER	60	0.06	4	-	-	-	-	-	4	20	-	DOOR TRANSFER
JANITOR'S CLOSET 128I	15	-	-	-	-	-	-	-	-	-	50	
MECHANICAL ROOM 128H	247	0.12	30	-	10	-	30	0.8	37	70	-	50CFM/FIXT.
EAST SIDE												
TRAINER'S ROOM 130F	200	0.06	12	2	5	10	22	0.8	28	30	-	
STORAGE 130E	224	0.12	27	-	-	-	27	0.8	34	40	50	
STORAGE 130D	224	0.12	27	-	-	-	-	0.8	34	40	50	
BATHROOM 130C	66	-	-	-	-	-	-	0.8	-	85	100	50CFM/SF/
OFFICE 130B	102	0.06	6	1	5	5	11	0.8	14	20	-	
CORRIDOR	105	0.06	6	-	-		6	0.8	8	20	-	
MECHANICAL ROOM 130A	125	0.12	15	-	-	-	-	-	15	20	-	
CORRIDOR 130	477	0.06	29	-	-	-	29	0.8	36	50	-	
VESTIVULE 130G	45	0.06	3	-	-	-	3	0.8	3	-		DOOR TRANSFER
WOME'S TOILET 130H	53	-	-	-	-	-	-	-	-	-	50	50CFM/FIXT.
JANITO'S CLOSET 130J	16	0.06	-	-	-	-	-	-	-	-	50	50CFM/FIXT.
VESTIVULE 130I	108	0.06	6	-	-	-	6	0.8	8	40	-	
MEN'S BATHROOM 130K	99	-	-	-	-	-	-	-	-	85	100	50CFM/FIXT.
OFFICE 130L	150	0.06	9	1	5	5	14	0.8	18	20	-	
OFFICE 130M	167	0.06	10	5	5	25	35	0.8	44	45	-	
SGI ROOM 130N	343	0.12	41	10	5	50	91	0.8	114	115	-	
TOTAL	4,990		281	21		105	342					

Date 9/25/20
Checked Value
Drawn Value

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

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

Revisions:
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SED PROJECT #66-08-01-06-0-005-020

MECHANICAL DETAILS & VENT. SCHD.

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908M101

M6.03

MT. PLEASANT CENTRAL SCHOOL DISTRICT

RENOVATIONS TO THE PHYSICAL EDUCATION DEPARTMENT

at

WESTLAKE HIGH SCHOOL

825 WESTLAKE DRIVE

THORNWOOD, NY 10594

NYSED PROJECT #66-08-01-06-0-005-020

CONTRACT#1c: PLUMBING

Symbols

GRADE LINE
BORDER LINE, OUTLINE
FIRE SEPARATION WALL
SMOKE COMPARTMENT
CENTER LINE
OBJECT LINE
ELEVATION LINE — EL. X'-X" / T.O. XXX
MATCH LINE — PROPOSED / EXISTING
HIDDEN LINE
DEMOLITION
BREAK LINE
BREAK LINE
BREAK LINE (PIPE)
FRAMING DESIGNATION — 2x10 F.J. @ 16" O.C.
DIMENSION LINE
COLUMN LINE — C1

DOOR TAG — D01
WINDOW TAG — W1
CEILING TAG — CT-1
PLUMBING TAG — P-1
EQUIPMENT TAG — E11
WALL TAG — A
DEMOLITION NOTE — 1
CONSTRUCTION NOTE — 1
SLOPE DESIGNATIONS — 12" X" / SL. ½:12
ADA SYMBOL

REVISION CLOUD W/ TAG — 1
ROOM NAME DESIGNATION — ROOM NAME / 100 / 100 SF
BLOW UP PLAN DESIGNATION — A-.--
INTERIOR ELEVATION — 1 / 2 A2.01 4 / 3
SECTION MARK — 1 / A2.01
Drawing Label — A-.-- / -" = 1'-0"

Location Map

NOT TO SCALE

Aerial View

NOT TO SCALE

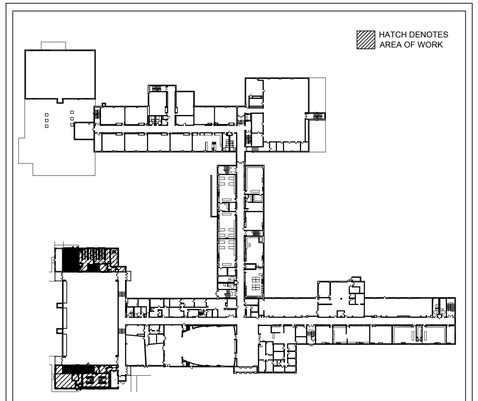
General Notes

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

Drawing Index

Location Plan

NOT TO SCALE



FIRST FLOOR PLAN

Date	9/25/20
Checked	MTM
Drawn	KM

REGISTERED ARCHITECT — MICHAEL J. McGOVERN — 022257 — STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A. — License No. 022257-1 — Title REGISTERED ARCHITECT

Revisions:

BID CONFORMANCE SET
11/20/20

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SED PROJECT #66-08-01-06-0-005-020

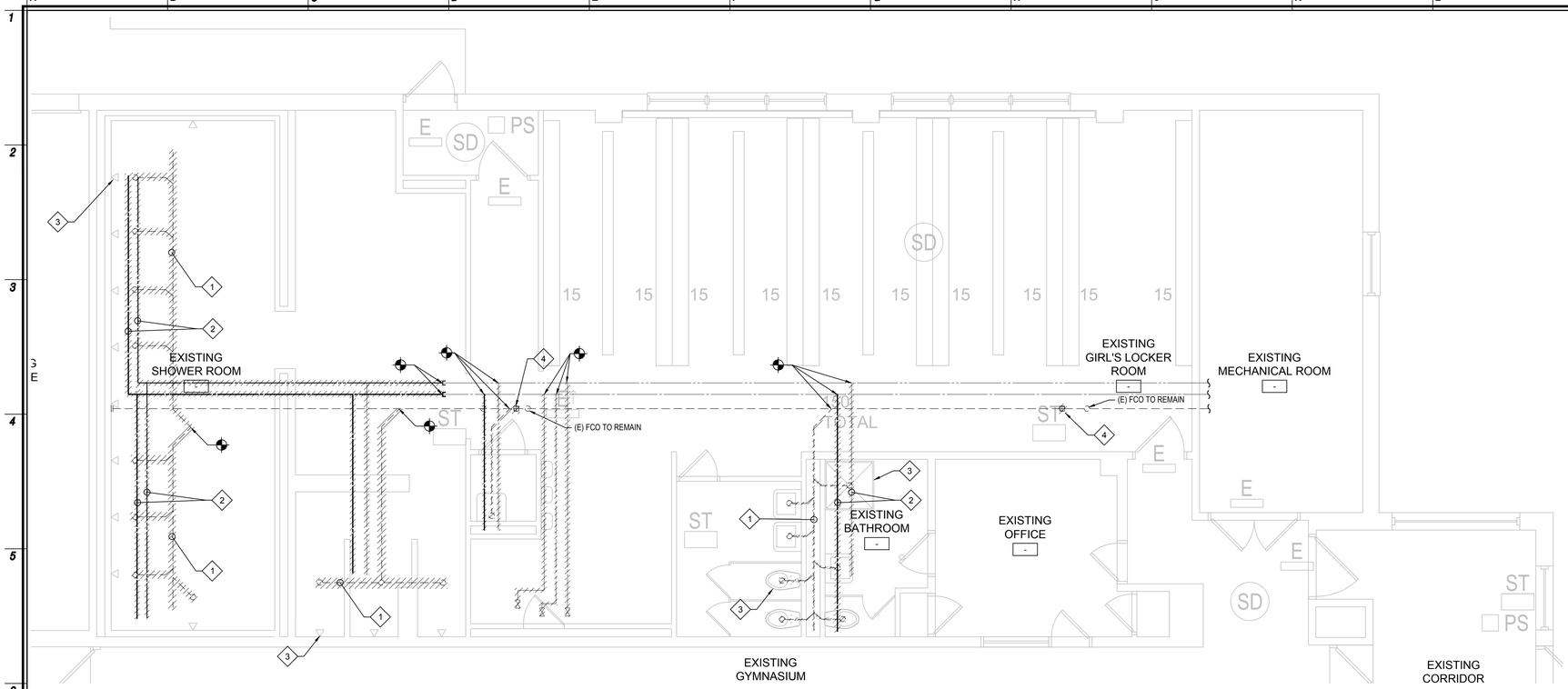
PLUMBING TITLE SHEET

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144909T001

T0.01P



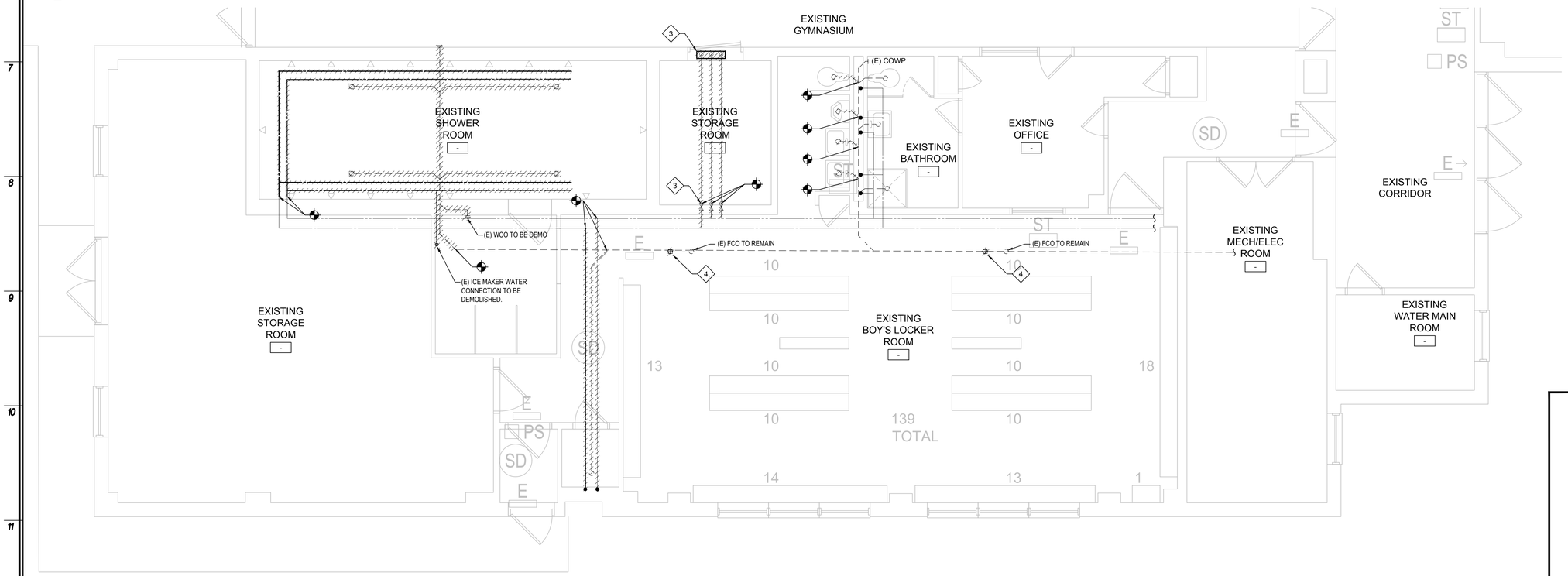
1 / P1.01 — 1/4" = 1'-0"

Existing Girl's Locker Room - Partial (West) Demolition Plan

ITEM #	DEMOLITION KEY NOTES
1	EXIST. SAN. PIPE, CLEANOUTS, TRAPS, FLOOR DRAINS, VENTS ETC. TO BE REMOVED.
2	EXIST. DCW, DHW, DHWR PIPING, INSULATION, VALVES, FAUCETS, ETC. TO BE DEMOLISHED.
3	EXIST. PLUMBING FIXTURES, LAVATORIES, WATER CLOSETS, URINALS, FLOOR DRAINS, SHOWERS, ETC. TO BE DEMOLISHED.
4	EXIST. 3" FLOOR DRAIN TO BE DEMOLISHED.
5	EXIST. MIXING VALVE TO BE DEMOLISHED. PIPING SERVING VALVE TO BE REMOVED AT POINT OF DISCONNECTION.

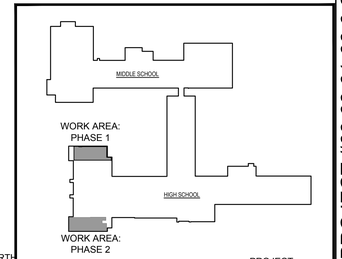
GENERAL NOTE:

ALL CONCRETE SAWCUT, REMOVAL, TRENCHING, BACKFILL, COMPACTION AND REPOUR OF CONCRETE TRENCHES NECESSARY FOR SUB-SLAB PIPING IS BY PLUMBING CONTRACTOR



2 / P1.01 — 1/4" = 1'-0"

Existing Boy's Locker Room - Partial (East) Demolition Plan



Key Plan — NOT TO SCALE

NORTH / PROJECT NORTH

Date	9/25/20
Checked	MAM
Drawn	TH

REGISTERED ARCHITECT — MICHAEL J. McGOVERN — 022257 — STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.
Title: REGISTERED ARCHITECT
License No. 022257-1

Revisions:

BID CONFORMANCE SET
11/20/20

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PLUMBING DEMOLITION FLOOR PLANS

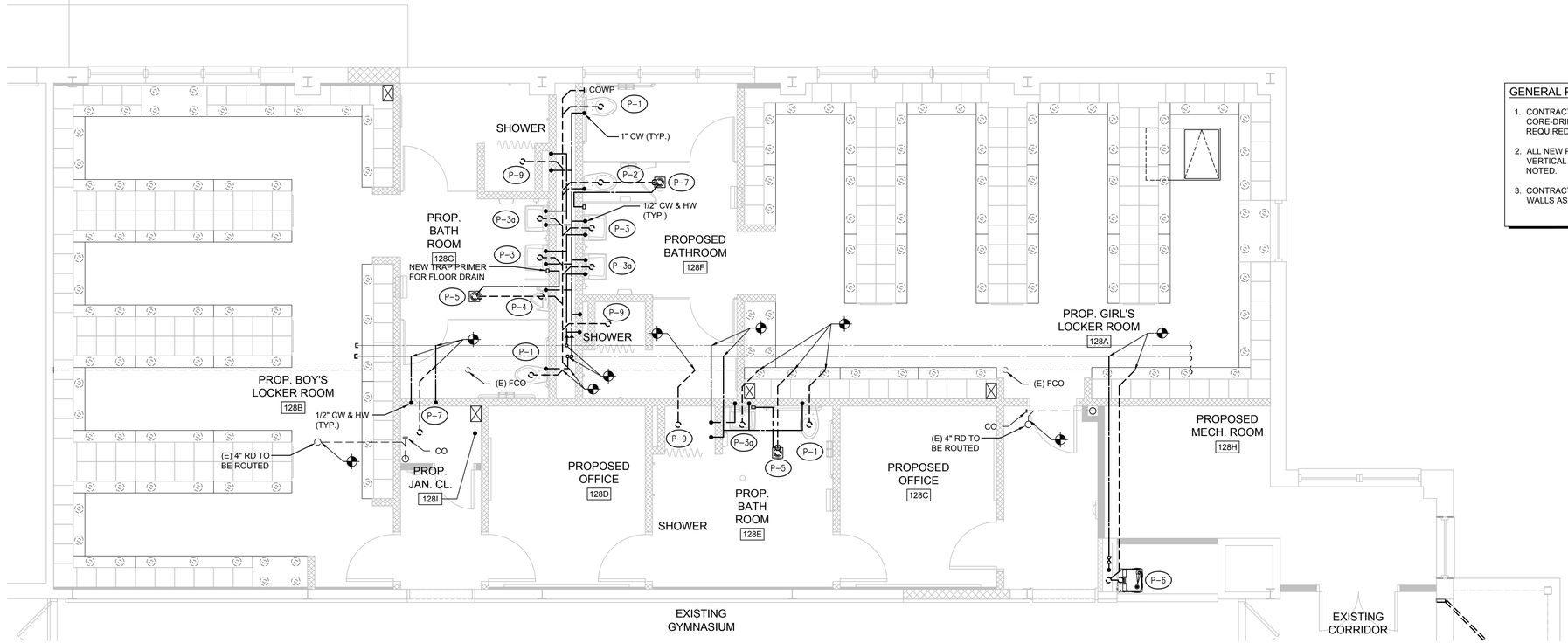
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908P101

SED PROJECT #66-08-01-06-0-005-020

P1.01



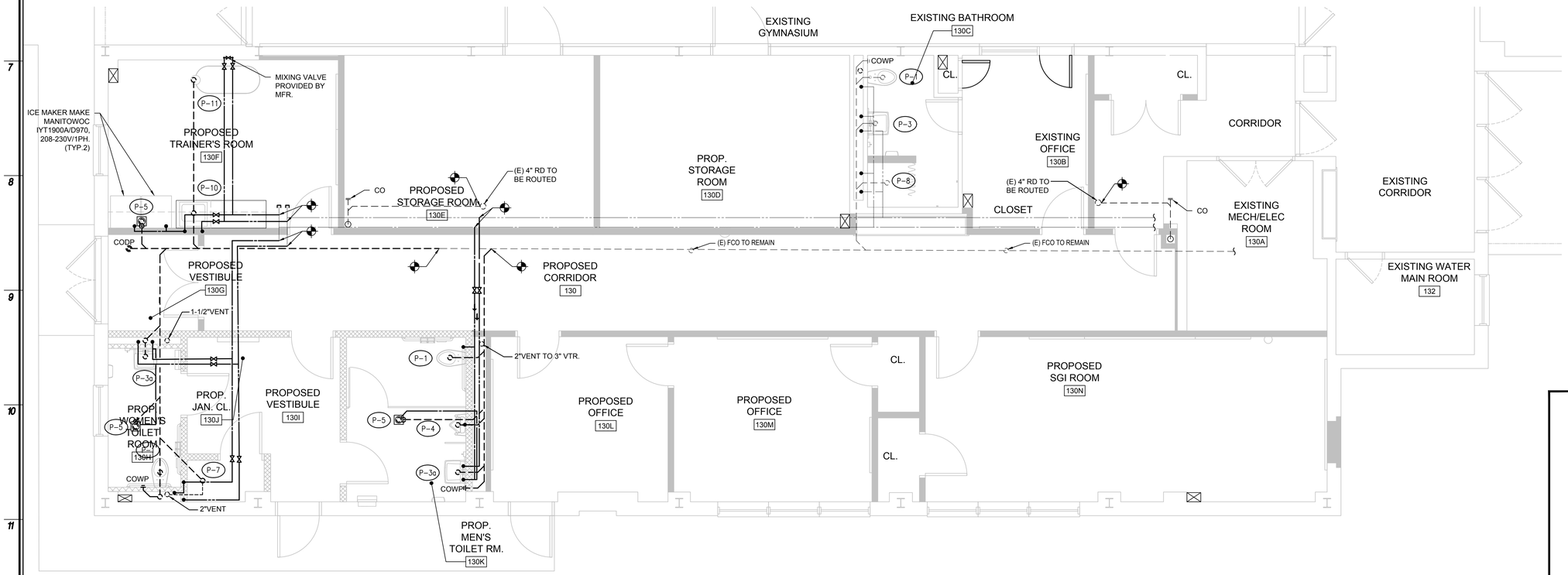
1 P2.01 Partial (West) Proposed Plan

1/4" = 1'-0"

NORTH

GENERAL PLUMBING NOTES

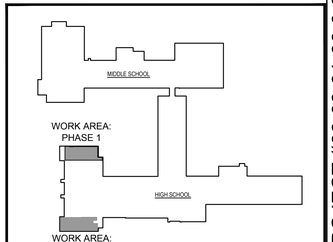
1. CONTRACTOR SHALL CHECK IN FIELD FOR EXACT ROUTING OF PLUMBING PIPING. CORE-DRILL FOR NEW PIPE PENETRATIONS & PROVIDE ALL PIPE ELBOWS, FITTINGS, ETC. REQUIRED FOR THE PROJECT.
2. ALL NEW PLUMBING PIPING SHALL BE INSTALLED CONCEALED ABOVE CEILING & ALL VERTICAL PIPING SHALL BE INSTALLED CONCEALED IN CHASES, UNLESS OTHERWISE NOTED.
3. CONTRACTOR IS RESPONSIBLE TO SAWCUT EXIST. FLOOR SLABS & CORE-DRILL EXIST. WALLS AS REQUIRED. PATCH/SEAL/CAULK & PAINT TO MATCH EXISTING.



2 P2.01 Partial (East) Proposed Plan

1/4" = 1'-0"

NORTH



Key Plan

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PROJECT NORTH

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Drawn	TH

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.

Title REGISTERED ARCHITECT License No. 022257-1

Revisions:

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SED PROJECT #66-08-01-06-0-005-020

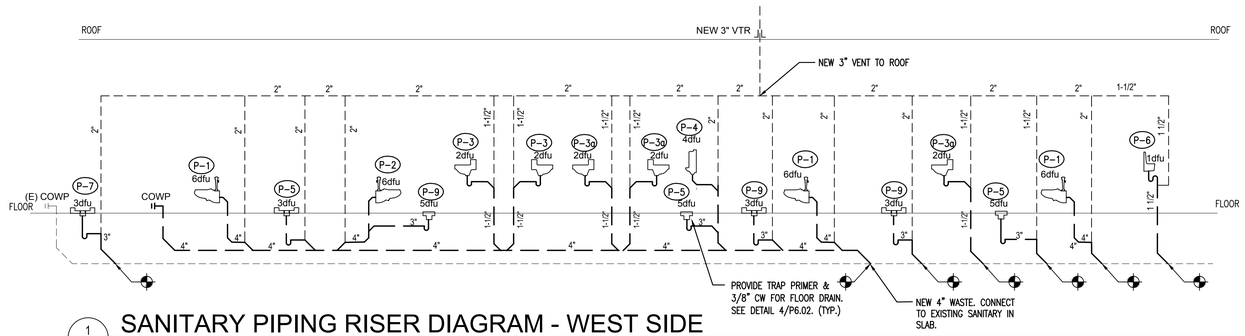
PLUMBING PROPOSED FLOOR PLANS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

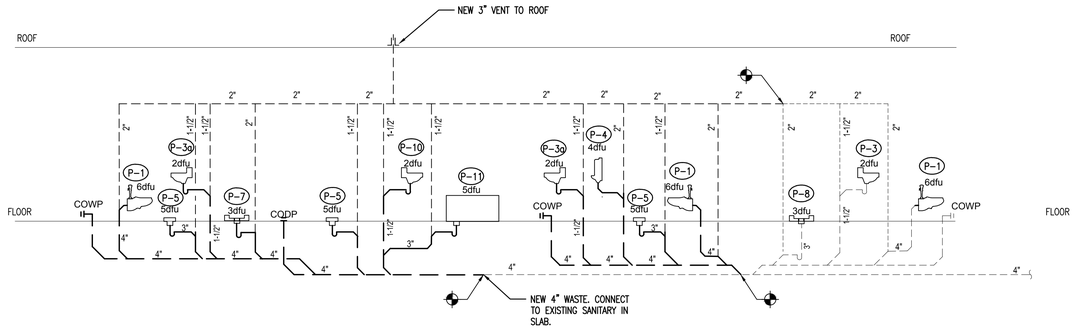
File No. 4144908P101

P2.01



1 P6.01 SANITARY PIPING RISER DIAGRAM - WEST SIDE

N.T.S.

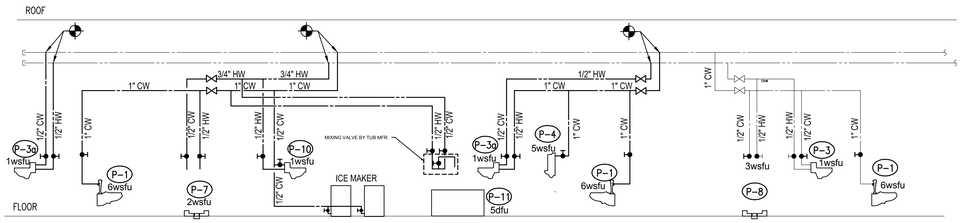


2 P6.01 SANITARY PIPING RISER DIAGRAM - EAST SIDE

N.T.S.

3 P6.01 WATER PIPING RISER DIAGRAM - WEST SIDE

N.T.S.



4 P6.01 WATER PIPING RISER DIAGRAM - EAST SIDE

N.T.S.

Date	9/25/20
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REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A.

Title REGISTERED ARCHITECT

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SED PROJECT #66-08-01-06-0-005-020

PLUMBING RISER SCHEMATICS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908P101

P6.01

PLUMBING FIXTURE SCHEDULE

NUMBER	FIXTURE	MANUFACTURER	MODEL NO.	SUPPLY PIPE NO.	TRAP NO.	SUPPORT NO.	PIPE SIZES TRAP	WASTE	VENT	CW	HW	NOTES
P–1	WATER CLOSET	AMERICAN STANDARD	AFWALL FLOWISE #3351.528	-	-	J.R. SMITH 0210Y-M54	INTEGRAL		2"	1"	-	ELONGATED HARD WIRED FLUSHOMETER ADA TOILET. PROVIDE WITH AMERICAN STANDARD SEAT #5901.100, SLOAN ROYAL SENSOR 111 SMOOTH #111-1.28 (1.28GPF). FIXTURE COLOR SHALL BE WHITE. INSTALL CARRIER TO MEET ADA REQUIREMENTS.
P–2	ADA WATER CLOSET	AMERICAN STANDARD	AFWALL FLOWISE #3351.528	-	-	J.R. SMITH 0210Y-M54	INTEGRAL	4"	2"	1"	-	ELONGATED HARD WIRED FLUSHOMETER ADA TOILET. PROVIDE WITH AMERICAN STANDARD SEAT #5901.100, SLOAN ROYAL SENSOR 111 SMOOTH #111-1.28 (1.28GPF). FIXTURE COLOR SHALL BE WHITE. INSTALL CARRIER TO MEET ADA REQUIREMENTS.
P–3	ADA LAVATORY	AMERICAN STANDARD	LUCERNE #0356.041	MCGUIRE 158	MCGUIRE 8902	J.R. SMITH 0700	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL HUNG LAVATORY WITH CONCEALED ARM SUPPORT. PROVIDE WITH SLOAN SINGLE-HOLE FAUCET #ETF-880, SLOAN THERMOSTATIC MIXING VALVE #BDT, SLOAN 4" COVER PLATE, SLOAN TRANSFORMER #ETF-248-40. FIXTURE COLOR SHALL BE WHITE.
P–3a	ADA LAVATORY	AMERICAN STANDARD	LUCERNE #0356.041	MCGUIRE 158	MCGUIRE 8902	J.R. SMITH 0700	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL HUNG LAVATORY WITH CONCEALED ARM SUPPORT. PROVIDE WITH SLOAN SINGLE-HOLE FAUCET #ETF-880, SLOAN THERMOSTATIC MIXING VALVE #BDT, SLOAN 4" COVER PLATE, SLOAN TRANSFORMER #ETF-248-40. FIXTURE COLOR SHALL BE WHITE.
P–4	URINAL	AMERICAN STANDARD	WASHBROOK #6501.615	-	-	J.R. SMITH 0637	INTEGRAL	2"	2"	3/4"	-	WALL HUNG VITREOUS CHINA URINAL WITH ELONGATED HARD WIRED FLUSHOMETER. FIXTURE COLOR SHALL BE WHITE. INSTALL TO MEET ADA REQUIREMENTS. CONFIRM ADA IF RELOCATED
P–5	FLOOR DRAIN	J.R. SMITH	#2030T-H-B-NB	-	P-TRAP	-	3"	3"	2"	-	-	FLOOR DRAIN WITH SQUARE TOP, HINGED GRATE, SEDIMENT BUCKET, TRAP PRIMER CONNECTION, & NICKEL BRONZE TOP.
P–6	WATER COOLER	ELKAY	LZS8WSLP	McGUIRE ST07	McGUIRE 201	WALL MOUNTED	1 1/4" x 1 1/2"	1 1/2"	1 1/2"	1/2"	-	BARRER FREE ELECTRIC WATER COOLER, 18 GA. TYPE 304 NICKEL BEARING STAINLESS STEEL BASIN WITH SATIN FINISH, FLEXI-GUARD SAFETY BUBBLER, BOTTLE FILLER STATION W/ SINGLE ZONE COOLER, HANGER BRACKETS. INSTALL TO MEET ADA REQUIREMENTS.
P–7	MOP SINK	MUSTEE	65M	-	P-TRAP	FLOOR MOUNTED	3"	3"	2"	3/4"	3/4"	PROVIDE W/ MUSTEE SERVICE SINK FAUCET NO. 63.600A, HOSE AND HOSE HOLDER NO. 65.700, MOP HANGER NO. 65.600, BUMPER GUARDS NO. 63.401 & 65.403, DURAGUARD WALL GUARD NO. 67.2436 & 67.36C & 67.24C, DRAIN SEAL 65.311.
P–8	SHOWER	SHOWER	BEST BATH SYSTEMS 4LBS3030	SYMMONS PRESSURE BALANCED VALVE 15-1-X-FG	P-TRAP	FLOOR MOUNTED	2"	2"	1 1/2"	1/2"	1/2"	PROVIDE AND INSTALL CURTAIN AND ROD, T SHAPED RUBBER WATER STOPPER KIT, SEMI PERMANENT THRESHOLD ADAPTER AND CAVLELESS DRAIN, ALSONS HAND HELD SHOWER #462BG, CHROME HOSE #49060BG, SUPPLY ELBOW #4990FBG, VACUUM BREAKER #4910BG, HANSGROHE GLIDE BAR #27712, SIOUX CITY BRASS DRAIN #827-2B.
P–9	ADA SHOWER	SHOWER	BEST BATH SYSTEMS LSS4-0238A5T	SYMMONS PRESSURE BALANCED VALVE 15-1-X-FG.	P-TRAP	FLOOR MOUNTED	2"	2"	1 1/2"	1/2"	1/2"	PROVIDE AND INSTALL CURTAIN AND ROD, T SHAPED RUBBER WATER STOPPER KIT, SEMI PERMANENT THRESHOLD ADAPTER AND CAVLELESS DRAIN, ALSONS HAND HELD SHOWER #462BG, CHROME HOSE #49060BG, SUPPLY ELBOW #4990FBG, VACUUM BREAKER #4910BG, HANSGROHE GLIDE BAR #27712, SIOUX CITY BRASS DRAIN #827-2B.
P–10	SINK	ELKAY	LRAD252265	ELKAY LK810GN08T4	McGUIRE LF158	McGUIRE 8902C	1-1/2" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	25"x22" TOP MOUNTED SINK W/ 3 HOLE 18 GAUGE 304 STAINLESS STEEL. PROVIDE W/ EXPOSED DECK FAUCET W/ 8" GOOSENECK SPOUT 4" WRIST-BLADE HANDLES, ELKAY GRID DRAIN & TAILPIECE #LK18B & WATTS TMV #LFMMV-US-M1. INSTALL TO MEET ADA REQUIREMENTS.
P–11	THERAPY ICE TUB	WHITEHALL	S-110-S	-	-	-	-	2"	1-1/2"	1/2"	1/2"	56"L x 24"W x 25"D SEAMLESS WELDED CONSTRUCTION, 304 STAINLESS STEEL, SATIN FINISH, 2" COMBINATION DRAIN AND OVERFLOW AND FILLER SPOUT. SUPPLY MIXING VALVE MXT15

PLUMBING GENERAL NOTES

1. ALL WORK SHALL CONFORM TO LATEST EDITION OF NEW YORK STATE ENERGY CODE & PLUMBING CODE, AND ALL OTHER APPLICABLE CODES, ORDINANCES, AND LOCAL AUTHORITY HAVING JURISDICTION.
2. CONTRACTOR SHALL VISIT JOB SITE AND NOTE ALL EXISTING CONDITIONS TO BE MET BEFORE SUBMITTING BID. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOW THE INTENT OF WORK.
3. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXTENT AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS OR COMMENCING WORK.
4. CONTRACTOR TO PROCURE AND PAY FOR ALL NECESSARY PERMITS AND LICENSES REQUIRED TO CARRY OUT WORK, OBTAIN AND PAY FOR ALL NECESSARY CERTIFICATES OF APPROVAL FOR WORK, AND PAY FOR ANY LEGAL FEES.
5. INSTALLATION TO COMPLY WITH ALL FEDERAL, STATE, MUNICIPAL LAWS, AND ALL CODES, RULES, ORDINANCES, AND REGULATIONS OF HEALTH, PUBLIC OR OTHER AUTHORITIES CONTROLLING OR LIMITING THE METHODS, MATERIALS TO BE USED OR ACTIONS OF THOSE EMPLOYED IN THE WORK.
6. CONTRACTOR SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING WORK. CONTRACTOR SHALL REPORT ANY DISCREPANCIES, AND ADDRESS ALL QUESTIONS TO ARCHITECT/ENGINEER PRIOR TO COMMENCING WORK.
7. PIPE INSTALLATION AS FOLLOWS:
   a) RUN ALL PIPING CONCEALED IN CEILINGS, WALLS AND PARTITIONS.
   b) ALL PIPING TO BE PITCHED TO LOW POINTS WITH DRAIN VALVES. STORM AND WASTE PIPING SHALL BE SLOPED PER LATEST PLUMBING CODE.
   c) SLEEVE PIPING THAT PASSES THROUGH WALLS.
   d) INSTALL PITCH POCKETS & FLASH ALL PIPING THAT PASSES THROUGH ROOF.
   e) PROVIDE ROD HANGERS WITH CLEVIS PIPE SUPPORT PER SPECIFICATION.
   f) PROVIDE VALVES REQUIRED FOR COMPLETE CONTROL OF ALL SYSTEMS. STOP VALVES FOR SUPPLY TO ALL FIXTURES TO BE CHROME PLATED WHERE EXPOSED.
   g) PROVIDE ACCESS DOORS FOR ALL CONCEALED VALVES AND CLEANOUTS.
   h) CORE-DRILL FLOOR SLABS & PROVIDE 2-HR RATED FIRE STOPPING MATERIALS FOR ALL PIPE PENENTRATION THROUGH FLOOR SLABS.
8. CONTRACTOR TO PERFORM ALL TESTING OF THE PLUMBING WORK IN THE PRESENCE OF THE CONSTRUCTION MANAGER & OWNER. PROVIDE ALL APPARATUS, TEMPORARY CONNECTIONS, AND OTHER REQUIREMENTS TO DO SUCH TESTS. ANY DEFECTS, LEAKS, ETC. WILL BE REPLACED AND TEST REPEATED UNTIL TEST REQUIREMENTS ARE MET. SUBMIT TEST REPORT PAPERWORK INDICATING DURATION, RESULTS AND SIGNED BY CONSTRUCTION CM & OWNER.
9. SUBMIT SHOP DRAWINGS OF ALL WORK TO BE DONE, EQUIPMENT, AND FIXTURES FURNISHED.
10. PLUMBING CONTRACTOR TO CARRY OUT PERIODIC CLEANING TO REMOVE RUBBISH ETC., TO LEAVE PREMISES FREE FROM DEBRIS, AND DISCARDED MATERIALS. AFTER INSTALLATION, CLEAN FIXTURES, FITTINGS, ETC. AND LEAVE READY FOR USE.
11. CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLISHED MATERIAL OF SITE IN AN APPROVED MANNER.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP WORK AREAS UPON COMPLETION OF WORK.
13. ALL PLUMBING FIXTURES FAUCETS, FITTINGS AND VALVES SHALL MEET NSF/ASME 372 LEAD PERCENTAGE.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING ALL NEW/REPLACED WATER DRINKING OUTLETS PER SED AND DOH REQUIREMENTS, AND TWO (2) COPIES OF FINAL REPORT MUST BE SUBMITTED, ONE TO THE ENGINEER OF RECORD, THE OTHER ONE TO THE OWNER.

PLUMBING SYSTEM MATERIALS

PIPING:

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

HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE TYPE "L" COPPER WITH WROUGHT COPPER. PRO PRESS FITTINGS ARE APPROVED TO BE USED ON THIS PROJECT. BELOW GRADE SHALL BE TYPE "K" COPPER WITH NO FITTINGS.

INSULATION:

ALL HOT AND COLD WATER PIPING SHALL BE INSULATED WITH 1" THICK FIBERGLASS PIPE INSULATION WITH ASJ JACKET.

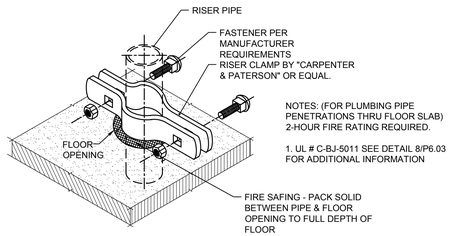
CLEANOUTS:

FLOOR: J R. SMITH #4020 W/ ROUND NICKEL-BRONZE TOP.

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

LAVATORY PROTECTIVE ENCLOSURE:

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



1 P6.02 PIPE RISER CLAMP
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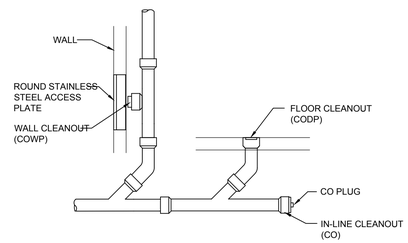

2 P6.02 CLEANOUT DETAIL
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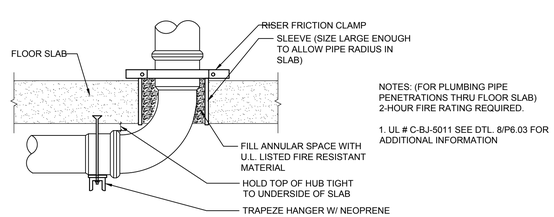

3 P6.02 BASE OF STACK DETAIL
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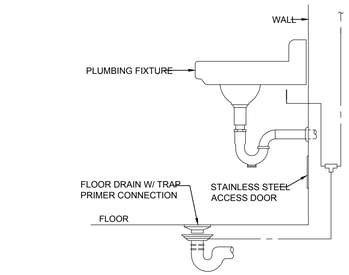
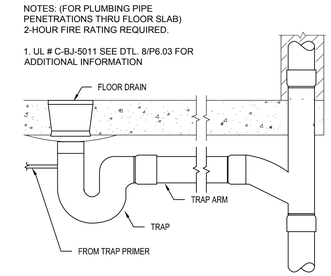


4 P6.02 FLOOR DRAIN & TRAP PRIMER
N.T.S.



5 P6.02 FLOOR DRAIN DETAIL
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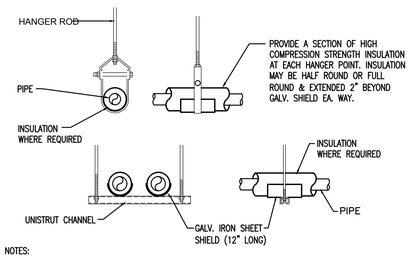
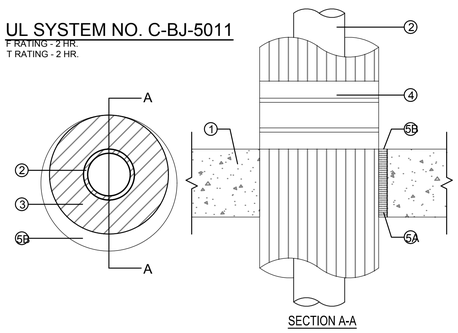


NOTES:
1. ATTACH SUPPORTS FOR ALL PIPING SUSPENDED FROM THE STEEL STRUCTURE TO THE TOP CORD OF JOISTS OR BEAMS.
2. PROVIDE COPPER OR PLASTIC COATED HANGERS FOR NON-INSULATED COPPER PIPE.

6 P6.02 PIPE SUPPORT HANGERS
N.T.S.



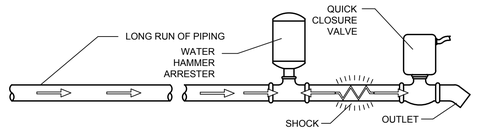
7 P6.02 TYPICAL PIPE PENETRATION (ALL LOCATIONS)
N.T.S.
2-HOUR RATED

SYMBOL LEGEND

- NEW COLD WATER PIPING
- EXISTING CW LINE TO REMAIN
- EXISTING CW LINE TO BE REMOVED
- NEW HOT WATER PIPING
- EXISTING HW LINE TO REMAIN
- EXISTING HW LINE TO BE REMOVED
- EXISTING HWR LINE TO REMAIN
- NEW TEMPERED WATER
- NEW BALL VALVE FIXTURE SHUTOFF
- ISOLATION BALL VALVE
- POINT OF CONNECTION
- P–X PLUMBING FIXTURE DESIGNATION

SIZING & PLACEMENT OF WATER HAMMER ARRESTER (WHA)

THE FOLLOWING CHART INDICATES THE SIZE OF THE WATER ARRESTER REQUIRED FOR LONG RUNS OF PIPING WHICH FEED A SINGLE REMOTE FIXTURE OR APPLIANCE. THE WATER ARRESTER UNIT SHALL BE SIZED BY USING THE CHART AND LOCATED AS CLOSE TO THE POINT OF QUICK CLOSURE AS POSSIBLE.



WATER HAMMER ARRESTER SELECTION CHART

LENGTH OF PIPE	NOMINAL PIPE SIZE 1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
25'	5005	5005	5010	5020	5030	5040
50'	5005	5010	5020	5030	5040	5050
75'	5010	5020	5030	1-5005 1-5040	5050	1-5040 1-5050
100'	5020	5030	5040	5050	1-5020 1-5050	2-5050
125'	5020	5030	5050	1-5005 1-5050	1-5040 1-5050	1-5040 2-5050
150'	5030	5040	5050	1-5030 1-5050	2-5050	3-5050

NOTE: THE ABOVE CHART SHOWS LENGTHS OF RUN OF BRANCH PIPING. THE LENGTH OF RUN USED SHALL BE THE LENGTH OF PIPE FROM POINT OF VALVE CLOSURE TO A POINT OF RELIEF, SUCH AS LARGE PIPE RISER TWICE THE SIZE
OF THE BRANCH LINE, MAIN LINE OR WATER TANK.

ALL SIZING RECOMMENDATIONS SHOWN ON THE ABOVE CHART ARE BASED ON AN OPERATING WATER PRESSURE OF 65 PSI OR UNDER AN AVERAGE VELOCITY BETWEEN 5 AND 10 FEET PER SECOND. IF OPERATING PRESSURE IS OVER 65 PSI USE THE NEXT LARGER WATER HAMMER ARRESTER UNIT. WHEN PRESSURE IS ANTICIPATED ABOVE 80 PSI A PRESSURE REDUCING VALVE IS REQUIRED.

Date	9/25/20
Checked	TW
Drawn	MAM

REGISTERED ARCHITECT MICHAEL J. McGOVERN 022257 STATE OF NEW YORK

MICHAEL J. McGOVERN, R.A. — License No. 022257-1 — Title: REGISTERED ARCHITECT

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SED PROJECT #66-08-01-06-0-005-020

SCHEDULES AND DETAILS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144908P101

P6.02

MT. PLEASANT CENTRAL SCHOOL DISTRICT

RENOVATIONS TO THE PHYSICAL EDUCATION DEPARTMENT

at

WESTLAKE HIGH SCHOOL

825 WESTLAKE DRIVE

THORNWOOD, NY 10594

NYSED PROJECT #66-08-01-06-0-005-020

CONTRACT#1d: ELECTRICAL

Symbols

GRADE LINE

BORDER LINE, OUTLINE

FIRE SEPARATION WALL
SMOKE COMPARTMENT

CENTER LINE

OBJECT LINE

ELEVATION LINE — EL. X'-X" / T.O. XXX

MATCH LINE — PROPOSED / EXISTING

HIDDEN LINE

DEMOLITION

BREAK LINE

BREAK LINE

BREAK LINE (PIPE)

FRAMING DESIGNATION — 2x10 F.J. @ 16" O.C.

DIMENSION LINE

COLUMN LINE — C1

DOOR TAG — D01

WINDOW TAG — W1

CEILING TAG — CT-1

PLUMBING TAG — P-1

EQUIPMENT TAG — E11

WALL TAG — A

DEMOLITION NOTE — 1

CONSTRUCTION NOTE — 1

SLOPE DESIGNATIONS — 12 X, SL. ½:12

ADA SYMBOL

REVISION CLOUD W/ TAG — 1

ROOM NAME DESIGNATION — ROOM NAME, 100, 100 SF

BLOW UP PLAN DESIGNATION — -, A-.--

INTERIOR ELEVATION — 1, 2 A2.01 4, 3

SECTION MARK — 1, A2.01

Drawing Label — -, A-.-- , -" = 1'-0"

Location Map

NOT TO SCALE

Aerial View

NOT TO SCALE

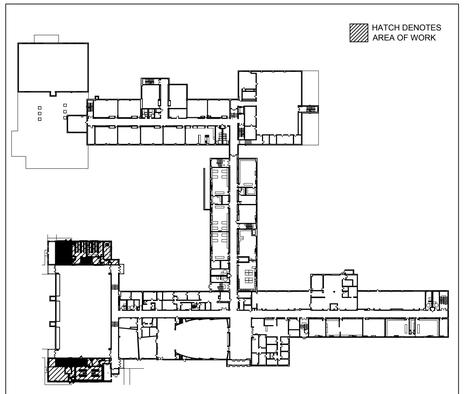
General Notes

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

Drawing Index

Location Plan

NOT TO SCALE



Date	9/25/20
Checked	MTM
Drawn	KM

REGISTERED ARCHITECT — MICHAEL J. McGOVERN — STATE OF NEW YORK — 022257

MICHAEL J. McGOVERN, R.A. — License No. 022257-1 — Title: REGISTERED ARCHITECT

Revisions:

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SED PROJECT #66-08-01-06-0-005-020

ELECTRICAL TITLE SHEET

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

File No. 4144909T001-Elec

T0.01E

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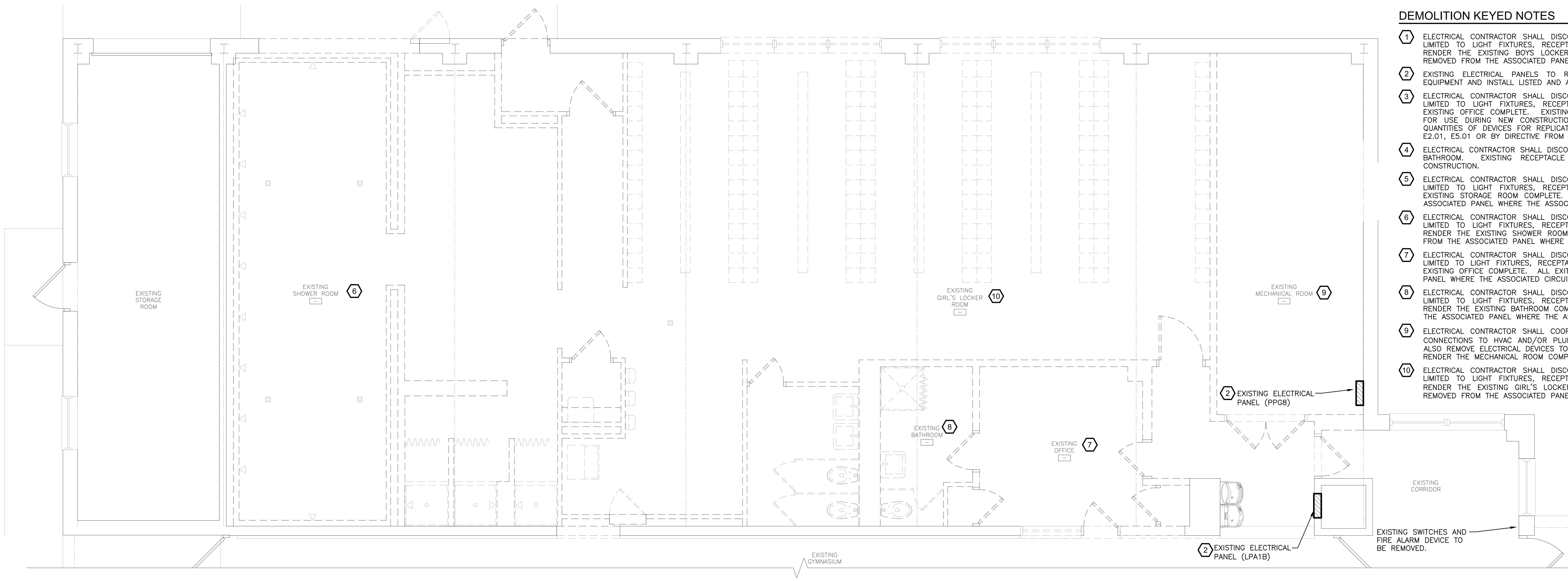
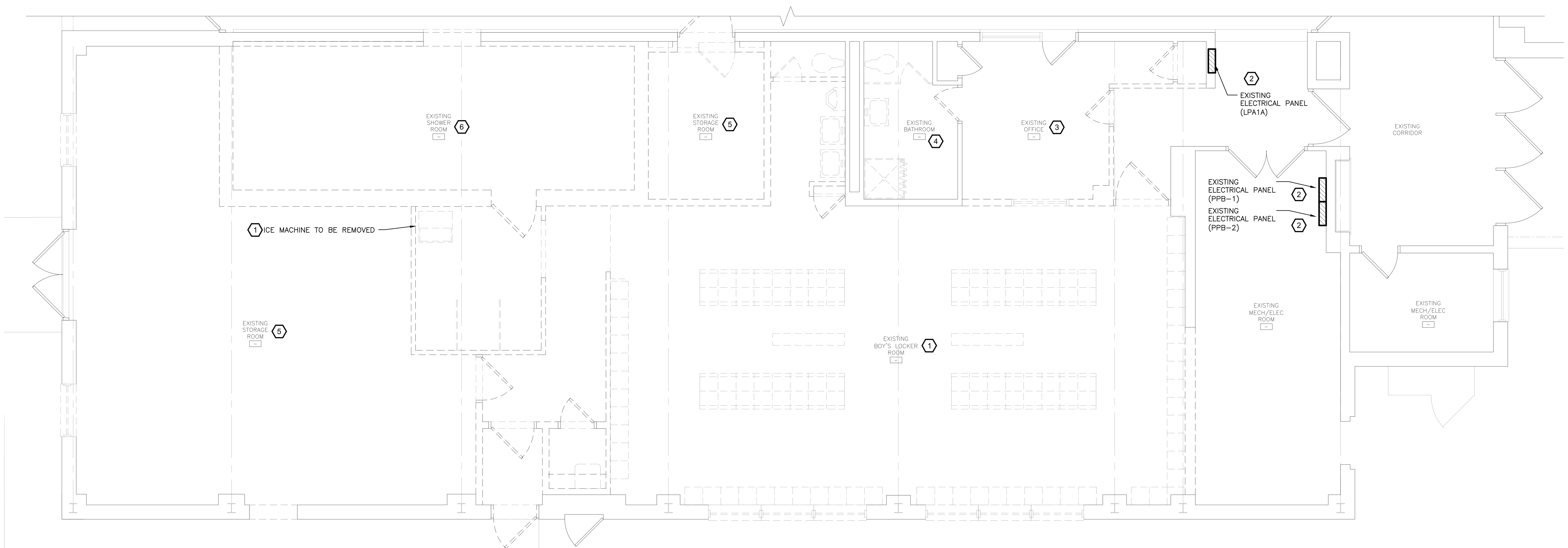


1 E1.01 ELECTRICAL: WEST PARTIAL FIRST FLOOR DEMOLITION PLAN

1/4" = 1'-0"



2 E1.01 ELECTRICAL: EAST PARTIAL FIRST FLOOR DEMOLITION PLAN

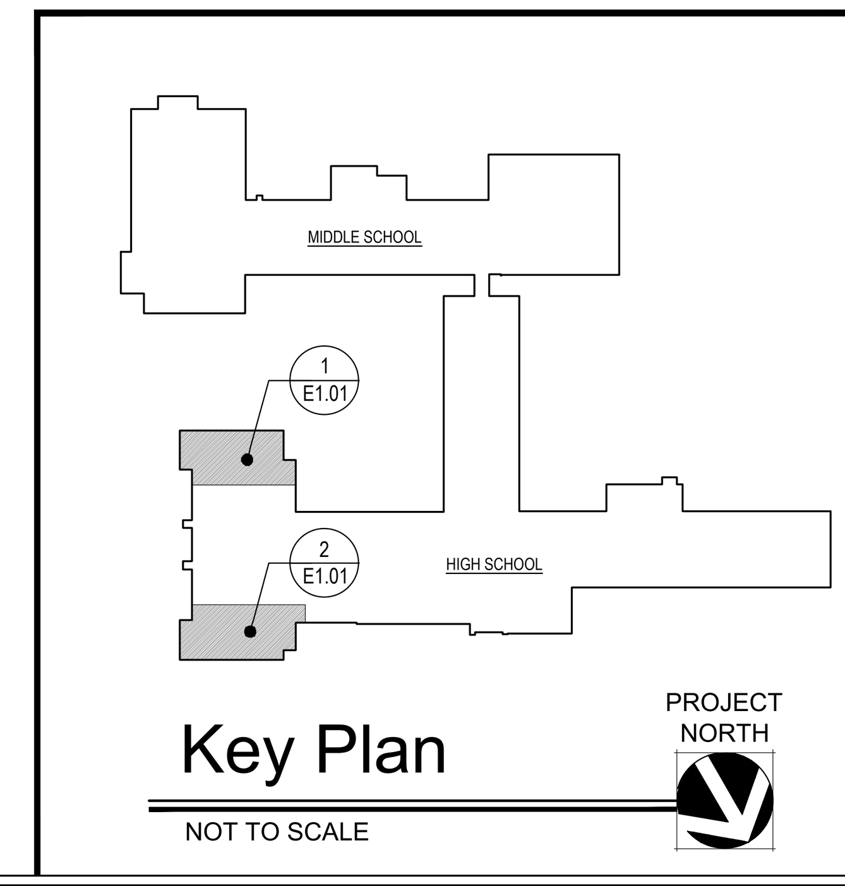
1/4" = 1'-0"

DEMOLITION KEYED NOTES

1. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT TO INCLUDE BUT NOT LIMITED TO LIGHT FIXTURES, RECEPTACLES, HAND DRYERS, EXHAUST FANS, AND ASSOCIATED HARDWARE TO RENDER THE EXISTING BOYS LOCKER ROOM COMPLETE. ALL EXITING WIRING SHALL BE PULLED BACK AND REMOVED FROM THE ASSOCIATED PANEL WHERE THE ASSOCIATED CIRCUIT BREAKER SHALL ALSO BE REMOVED.
2. EXISTING ELECTRICAL PANELS TO REMAIN. REMOVE ALL CIRCUIT BREAKERS ASSOCIATED WITH REMOVED EQUIPMENT AND INSTALL LISTED AND APPROVED BLANK COVERS.
3. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT TO INCLUDE BUT NOT LIMITED TO LIGHT FIXTURES, RECEPTACLES, LIGHT SWITCHES, AND HARDWARE ASSOCIATED TO RENDER THE EXISTING OFFICE COMPLETE. EXISTING CIRCUIT FEEDERS SHALL BE PULLED BACK TO NEAREST JUNCTION BOX FOR USE DURING NEW CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL FIELD NOTE EXISTING LAYOUT AND QUANTITIES OF DEVICES FOR REPLICATION DURING NEW CONSTRUCTION UNLESS OTHERWISE NOTED ON DRAWINGS E2.01, E5.01 OR BY DIRECTIVE FROM THE ARCHITECT.
4. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND PULL BACK EXISTING RECEPTACLE CIRCUIT FEEDER IN EXISTING BATHROOM. EXISTING RECEPTACLE BOX AND CONDUIT SHALL REMAIN FOR FUTURE USE DURING NEW CONSTRUCTION.
5. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT TO INCLUDE BUT NOT LIMITED TO LIGHT FIXTURES, RECEPTACLES, LIGHT SWITCHES, AND ASSOCIATED HARDWARE TO RENDER THE EXISTING STORAGE ROOM COMPLETE. ALL EXITING WIRING SHALL BE PULLED BACK AND REMOVED FROM THE ASSOCIATED PANEL WHERE THE ASSOCIATED CIRCUIT BREAKER SHALL ALSO BE REMOVED.
6. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT TO INCLUDE BUT NOT LIMITED TO LIGHT FIXTURES, RECEPTACLES, HAND DRYERS, EXHAUST FANS, AND ASSOCIATED HARDWARE TO RENDER THE EXISTING SHOWER ROOM COMPLETE. ALL EXITING WIRING SHALL BE PULLED BACK AND REMOVED FROM THE ASSOCIATED PANEL WHERE THE ASSOCIATED CIRCUIT BREAKER SHALL ALSO BE REMOVED.
7. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT TO INCLUDE BUT NOT LIMITED TO LIGHT FIXTURES, RECEPTACLES, LIGHTING CONTROLS, AND ASSOCIATED HARDWARE TO RENDER THE EXISTING OFFICE COMPLETE. ALL EXITING WIRING SHALL BE PULLED BACK AND REMOVED FROM THE ASSOCIATED PANEL WHERE THE ASSOCIATED CIRCUIT BREAKER SHALL ALSO BE REMOVED.
8. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT TO INCLUDE BUT NOT LIMITED TO LIGHT FIXTURES, RECEPTACLES, HAND DRYERS, EXHAUST FANS, AND ASSOCIATED HARDWARE TO RENDER THE EXISTING BATHROOM COMPLETE. ALL EXITING WIRING SHALL BE PULLED BACK AND REMOVED FROM THE ASSOCIATED PANEL WHERE THE ASSOCIATED CIRCUIT BREAKER SHALL ALSO BE REMOVED.
9. ELECTRICAL CONTRACTOR SHALL COORDINATE THE DISCONNECT, REMOVAL, AND/OR RELOCATION OF ELECTRICAL CONNECTIONS TO HVAC AND/OR PLUMBING EQUIPMENT WITH OTHER TRADES. ELECTRICAL CONTRACTOR SHALL ALSO REMOVE ELECTRICAL DEVICES TO INCLUDE LIGHT FIXTURES, RECEPTACLES, LIGHT SWITCHES, AND OTHERS TO RENDER THE MECHANICAL ROOM COMPLETE.
10. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT TO INCLUDE BUT NOT LIMITED TO LIGHT FIXTURES, RECEPTACLES, HAND DRYERS, EXHAUST FANS, AND ASSOCIATED HARDWARE TO RENDER THE EXISTING GIRL'S LOCKER ROOM COMPLETE. ALL EXITING WIRING SHALL BE PULLED BACK AND REMOVED FROM THE ASSOCIATED PANEL WHERE THE ASSOCIATED CIRCUIT BREAKER SHALL ALSO BE REMOVED.

NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES DURING DEMOLITION TO RENDER THE SCOPE OF WORK OF SAFE AND COMPLETE.
2. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL CONDUCTORS, BOXES, SWITCHES AND ANY OTHER ELECTRICAL HARDWARE OR DEVICES NOT LISTED BUT ASSOCIATED WITH HVAC EQUIPMENT AS DIRECTED BY THE HVAC CONTRACTOR.
3. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL CONDUCTORS, BOXES, SWITCHES AND ANY OTHER ELECTRICAL HARDWARE OR DEVICES NOT LISTED BUT ASSOCIATED WITH PLUMBING EQUIPMENT AS DIRECTED BY THE PLUMBING CONTRACTOR.
4. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL FIRE ALARM EQUIPMENT AND ASSOCIATED WIRING WITHIN THE SCOPE OF WORK. THE BUILDING FIRE ALARM SYSTEM SHALL MAINTAIN FUNCTION DURING CONSTRUCTION.
5. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL PUBLIC ADDRESS SYSTEM & OTHER EQUIPMENT TO INCLUDE BUT NOT LIMITED TO SPEAKERS, BELLS, TIME CLOCKS, AND OTHER ITEMS INCLUDING THEIR WIRING AND HARDWARE TO RENDER THE SCOPE OF WORK COMPLETE.



Key Plan

NOT TO SCALE

GERARD HLUCHAN
LICENSED PROFESSIONAL ENGINEER New York License No. 069684

Revisions:

BID CONFORMANCE SET 11/20/20

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SED PROJECT #66-08-01-06-0-005-020

ELECTRICAL:
PARTIAL FIRST FLOOR DEMOLITION PLANS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08

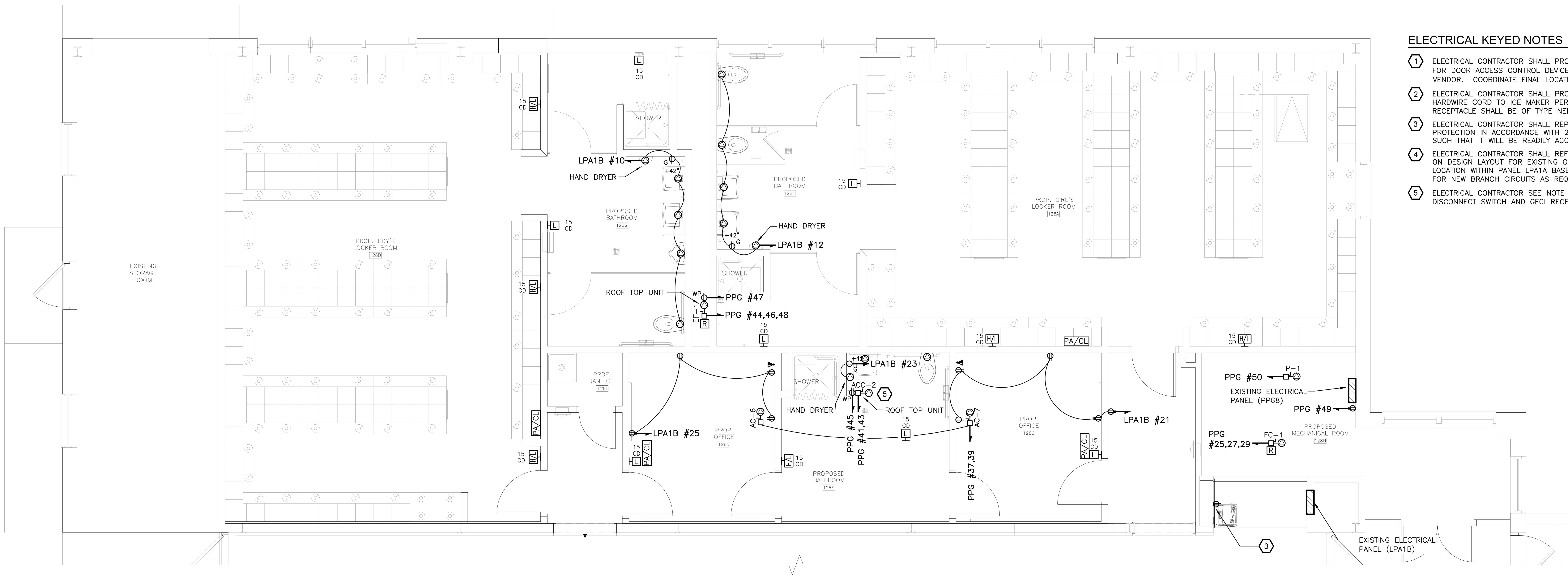
File No. 4144908E101

E1.01

ELECTRICAL KEYED NOTES

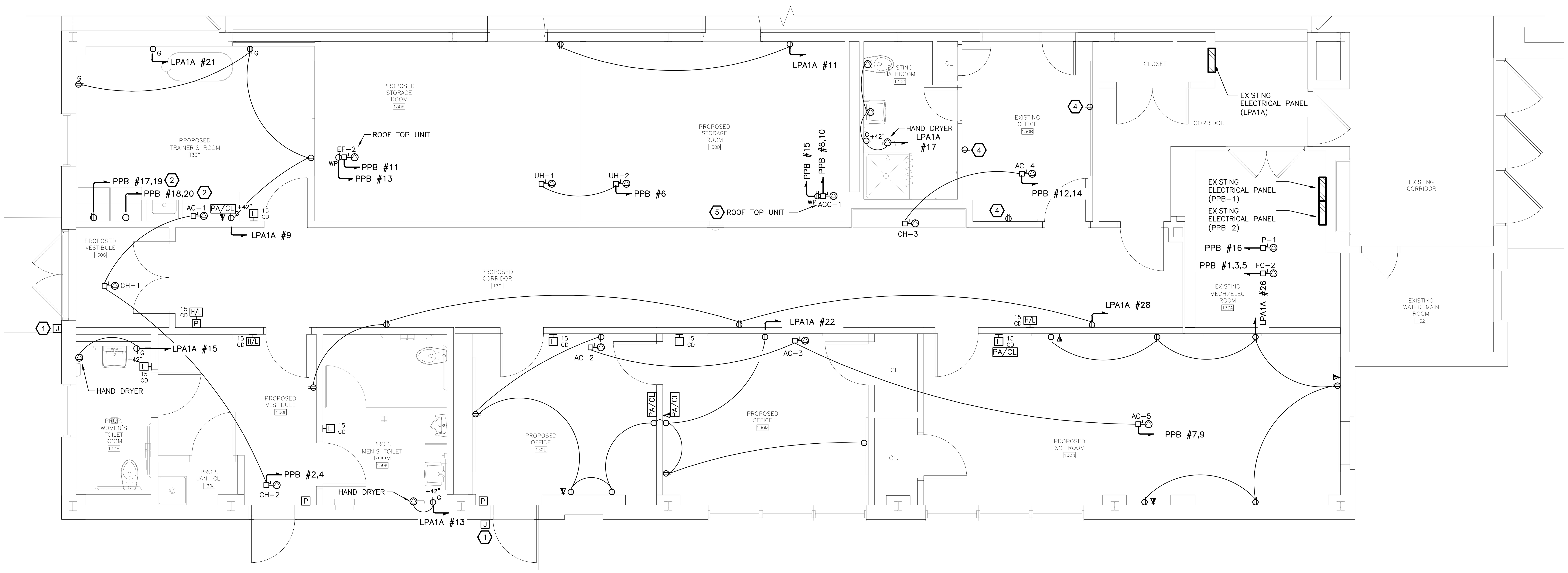
(APPLIES TO SHEETS THIS ONLY)

1. ELECTRICAL CONTRACTOR SHALL PROVIDE 1" EMT CONDUIT CONCEALED, AND RECESSED 3-GANG JUNCTION BOX FOR DOOR ACCESS CONTROL DEVICE. CONTROL DEVICE AND FINAL CONNECTIONS SHALL BE BY OWNER'S VENDOR. COORDINATE FINAL LOCATION WITH ARCHITECT AND OWNER'S VENDOR.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE 30 AMPERE RATED CORD AND PLUG CONNECTION FOR ICE MAKER. HARDWIRE CORD TO ICE MAKER PER MANUFACTURE'S SPECIFICATION FOR 208 VOLT SINGLE PHASE. PLUG AND RECEPTACLE SHALL BE OF TYPE NEMA 14-30.
3. ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING RECEPTACLE WITH NEW. CONTRACTOR SHALL PROVIDE GFCI PROTECTION IN ACCORDANCE WITH 2017 NEC 422.5 IF NOT CURRENTLY PROVIDED. GFCI SHALL BE INSTALLED SUCH THAT IT WILL BE READILY ACCESSIBLE AFTER INSTALLATION OF NEW DRINKING FOUNTAIN.
4. ELECTRICAL CONTRACTOR SHALL REFER TO FIELD NOTES AND CONDITIONS AND COORDINATE WITH THE ARCHITECT ON DESIGN LAYOUT FOR EXISTING OFFICE. ELECTRICAL CONTRACTOR SHALL DETERMINE FEEDER SOURCE LOCATION WITHIN PANEL LPA1A BASED ON AVAILABILITY. PROVIDE NEW 20/1 AMPERE RATED CIRCUIT BREAKER FOR NEW BRANCH CIRCUITS AS REQUIRED.
5. ELECTRICAL CONTRACTOR SEE NOTE #5 ON ACCU EQUIPMENT SCHEDULE M6.01. PROVIDE AND INSTALL ROOFTOP DISCONNECT SWITCH AND GFCI RECEPTACLE.



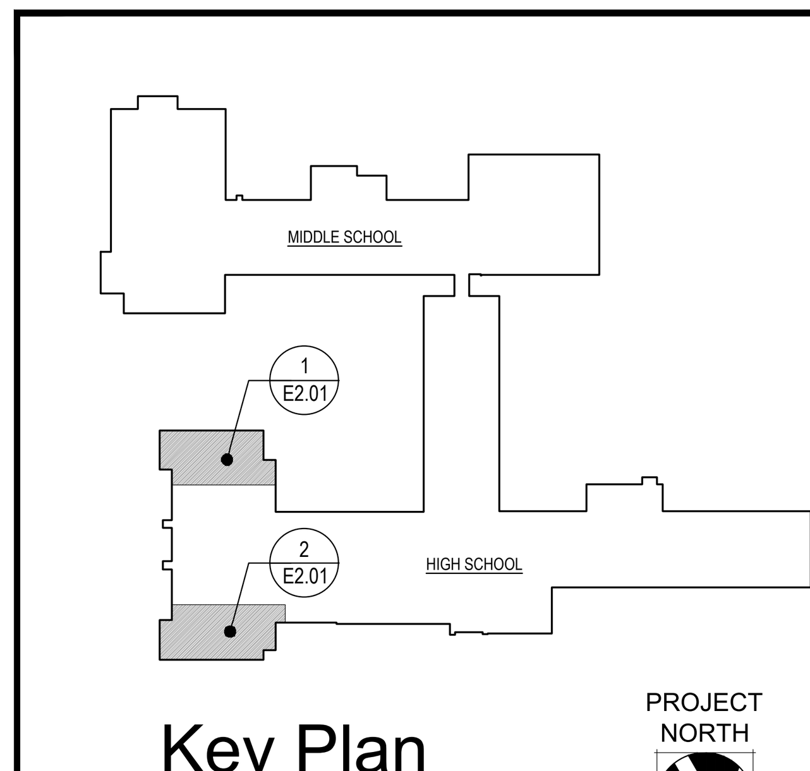
1 E2.01 ELECTRICAL: WEST PARTIAL FIRST FLOOR POWER PLAN

1/4" = 1'-0"



2 E2.01 ELECTRICAL: EAST PARTIAL FIRST FLOOR POWER PLAN

1/4" = 1'-0"



Key Plan

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SED PROJECT #66-08-01-06-0-005-020

Date	11/20/20
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Drawn	RL/KC

GERARD HLUCHAN

Title LICENSED PROFESSIONAL ENGINEER New York License No. 069684

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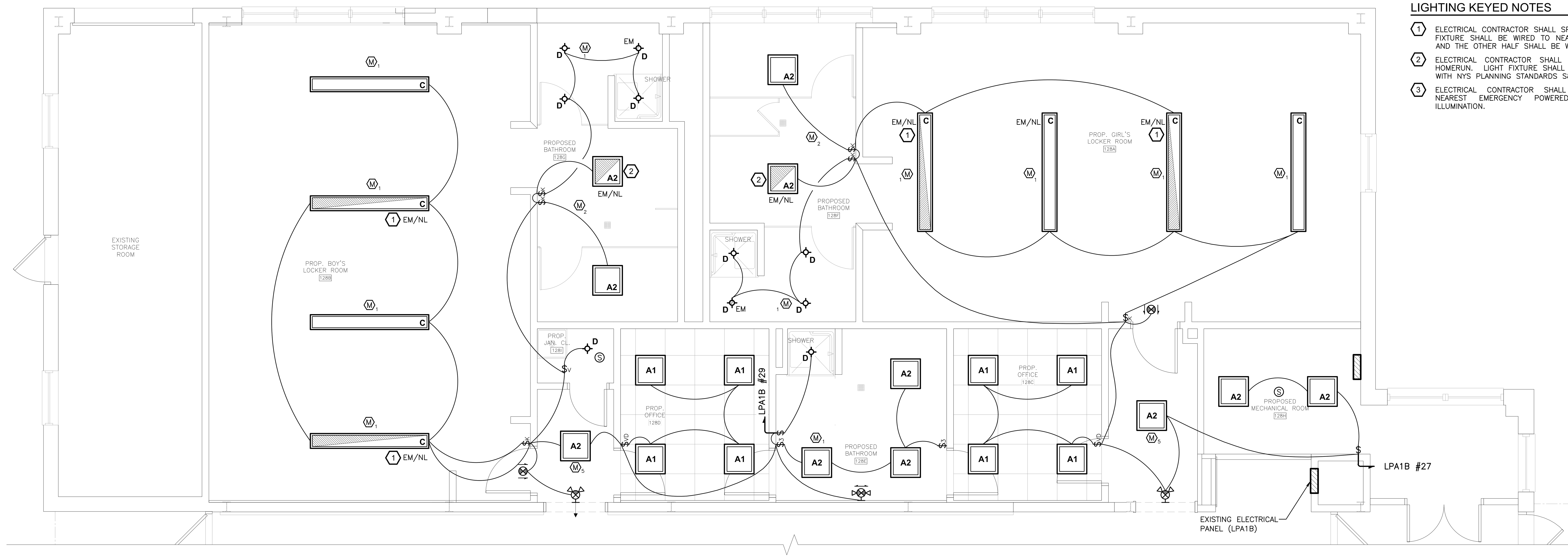
ELECTRICAL:
PARTIAL FIRST FLOOR POWER PLANS

RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

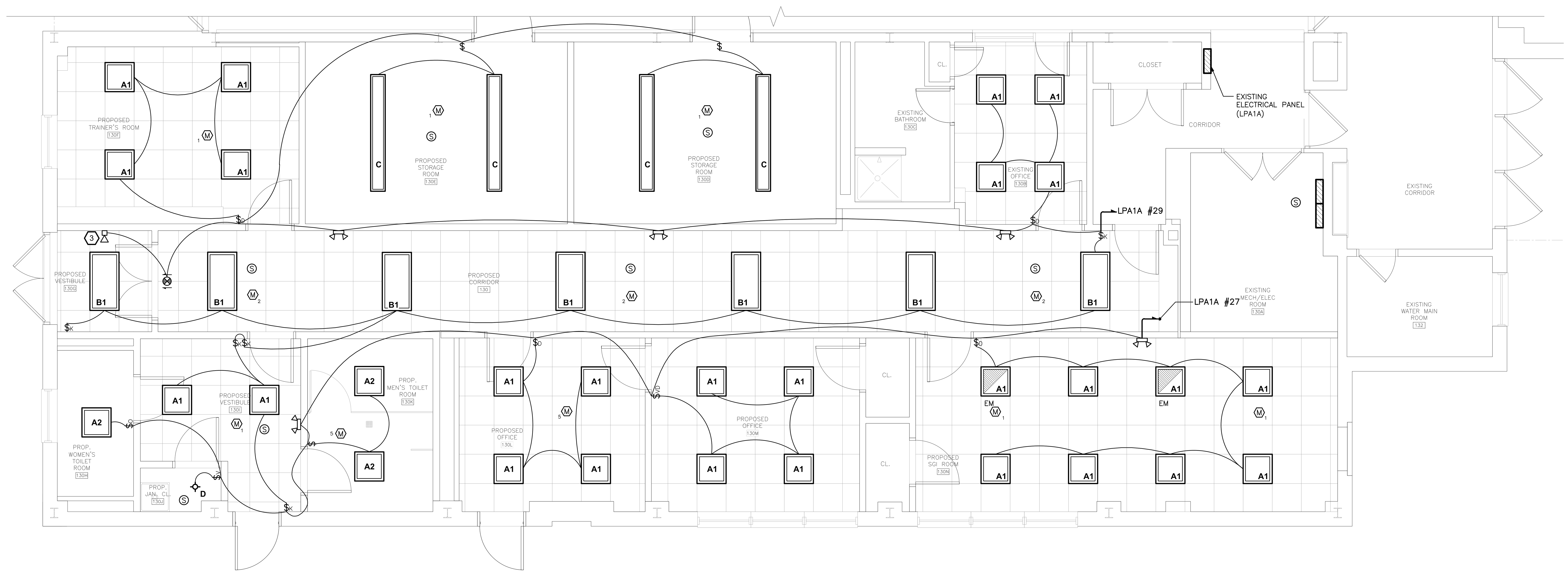
Job No. 4.1449.08

File No. 4144908 E201

E2.01



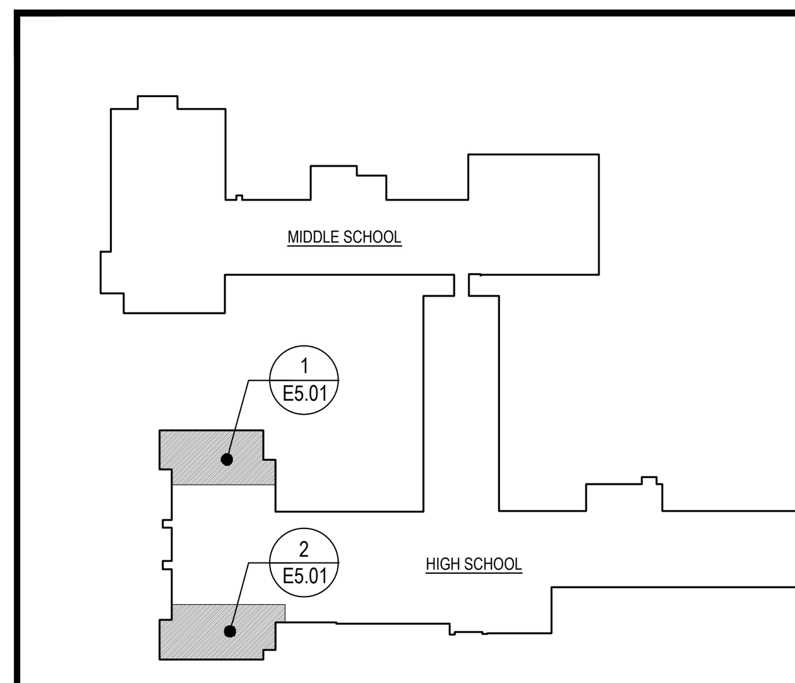
1 (E5.01) ELECTRICAL: WEST PARTIAL FIRST FLOOR LIGHTING PLAN
1/4" = 1'-0"



2 (E5.01) ELECTRICAL: EAST PARTIAL FIRST FLOOR LIGHTING PLAN
1/4" = 1'-0"

LIGHTING KEYED NOTES (APPLIES TO THIS SHEET ONLY)

1. ELECTRICAL CONTRACTOR SHALL SPLIT LIGHT FIXTURE INTO (2) CIRCUITS. HALF OF FIXTURE SHALL BE WIRED TO NEAREST HOMERUN FOR CONTINUOUS ILLUMINATION AND THE OTHER HALF SHALL BE WIRED TO ROOM LIGHTING CONTROLLER.
2. ELECTRICAL CONTRACTOR SHALL CONNECT FIXTURE TO THE NEAREST CIRCUIT HOMERUN. LIGHT FIXTURE SHALL BE CONTINUOUSLY ILLUMINATED IN ACCORDANCE WITH NYS PLANNING STANDARDS S803-2C.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE LOW-VOLTAGE CONNECTION FROM NEAREST EMERGENCY POWERED FIXTURE TO PROVIDE 90-MINUTES OF ILLUMINATION.



Key Plan
NOT TO SCALE

Date	11/20/20
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GERARD HLUCHAN
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SED PROJECT #66-08-01-06-0-005-020

ELECTRICAL:
PARTIAL FIRST FLOOR LIGHTING PLANS
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08
File No. 4144908 E501

E5.01

ELECTRICAL FIXTURE SCHEDULE

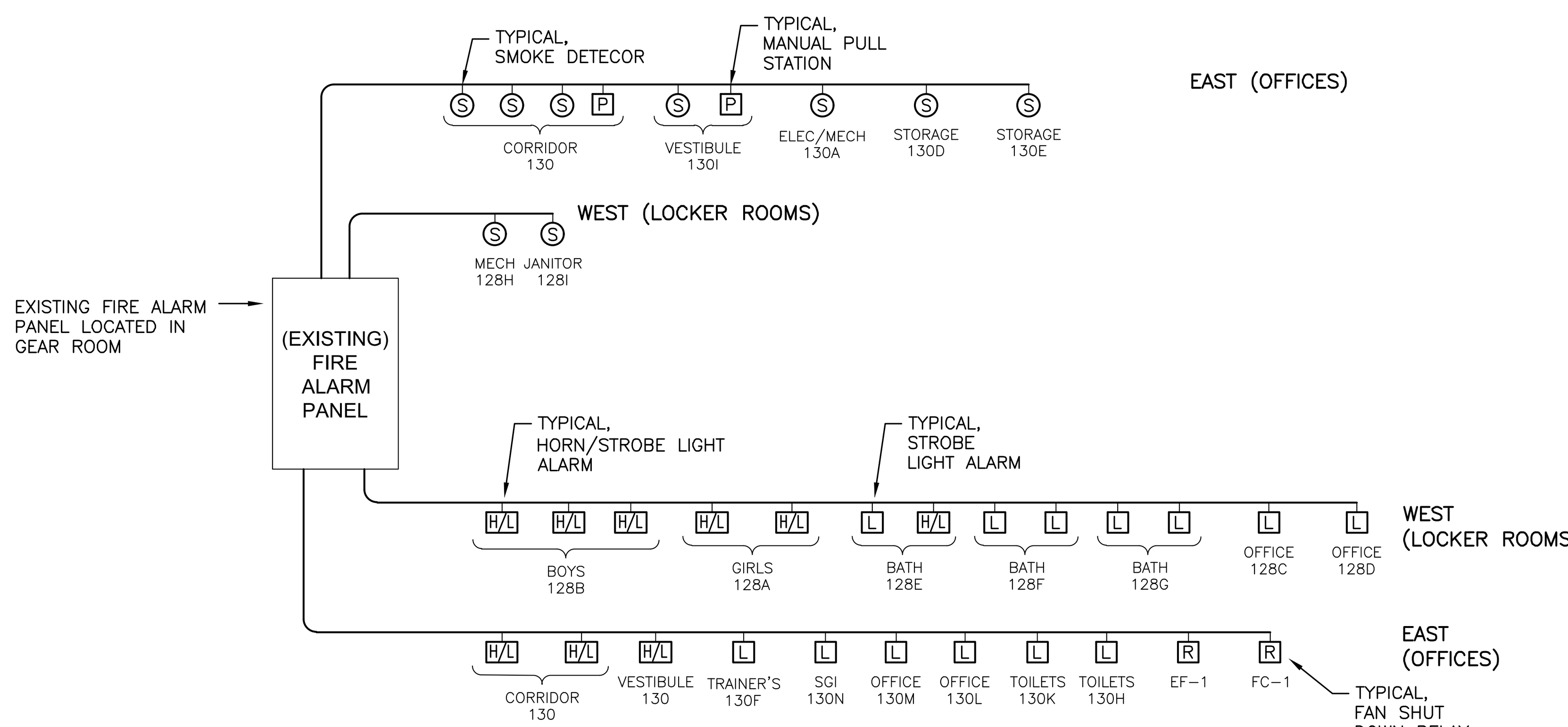
DESIGNATION	MANUFACTURER	CATALOG #	LUMENS	WATTS	VOLTAGE	TYPE
A1	LITHONIA	CPANL 2X2 24/33/44LM 35K M4	3,300	28	120-277	2X2 FLAT PANEL LED, 80 CRI, GRID MOUNT
A2	LITHONIA	CPANL 2X2 24/33/44LM 35K M4. INCL: 2X2CFMK	3,300	28	120-277	2X2 FLAT PANEL LED, 80 CRI, WITH DIRECT CEILING MOUNT KIT.
B	LITHONIA	CPANL 2X4 50/40/60LM 35K M2	5,000	42	120-277	2X4 FLAT PANEL LED, 80 CRI, GRID MOUNT
C	LITHONIA	CLX L96 10000LM SEF SBLW RDL MVOLT GZ10 35K 80CRI	10,000	71	120-277	1X8 LINEAR LED, ROUND DIFUSSER, SURFACE MOUNTED.
D	LITHONIA	WF6 LED 35K MVOLT MW	840	12	120-277	LED DOWNLIGHT, WET LOCATION RATED
CR	———	———	———	———	———	PROVIDE INTEGRAL EMERGENCY BATTERY AND CHARGER FOR 90 MINUTES OF ILLUMINATION WITHOUT UTILITY POWER. BATTERY AND CHARGER SHALL BE WIRED TO UNSWITCHED HOT LEG OF INDICATED CIRCUIT.

GENERAL ELECTRICAL NOTES

1. ELECTRICAL CONTRACTOR SHALL PROVIDE TYPEWRITTEN SCHEDULES OF ALL CIRCUITRY IN ALL PANELS. SCHEDULES SHALL MATCH THE LOADS SHOWN IN THE PROJECT PANEL SCHEDULE INCLUDED WITH THESE DRAWINGS. ALL SPARE PANEL SPACES SHALL BE FULLY PROTECTED WITH METAL BLANKS.
2. ELECTRICAL DEVICES MATERIALS AND PACKAGED EQUIPMENT SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) SUCH AS UNDERWRITERS LABORATORIES INC. (UL), FOR THE INTENDED USE, AND SHALL BEAR ITS LABEL. NOTE THAT NRTL APPROVAL OF INDIVIDUAL COMPONENTS OF PACKAGED EQUIPMENT DOES NOT CONSTITUTE APPROVAL OF THE ENTIRE PACKAGE.
3. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE 2017 EDITION (NFPA 70), AND THE 2020 NEW YORK STATE BUILDING CODE.
4. ELECTRICAL CONTRACTOR SHALL OBTAIN, PAY FOR AND COMPLY WITH ALL REQUIRED PERMITS. THE ELECTRICAL CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS AND SUBMIT COPIES OF ACCEPTANCE CERTIFICATES TO OWNER PRIOR TO COMPLETION OF PROJECT.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL BOXES, FITTINGS, CONNECTORS, COVER PLATES, AND OTHER MISCELLANEOUS ITEMS, NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER THE ELECTRICAL INSTALLATION COMPLETE AND OPERATIVE, AND IN COMPLIANCE WITH APPLICABLE CODES.
6. ALL WIRING SHALL BE COPPER CONDUCTOR, MINIMUM SIZE #12 AWG.
7. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING EQUIPMENT AND NOTE CONDITIONS AND AREAS WHERE WORK WILL OCCUR IN FIELD.
8. ELECTRICAL CONTRACTOR SHALL SEAL AROUND ALL PIPE PENETRATIONS THROUGH WALLS, FLOORS AND CEILINGS WITH AN INTUMESCENT FIRE STOP MATERIAL TO MAINTAIN FIRE AND SMOKE RATINGS.
9. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH AND MEET ALL REQUIREMENTS OF SERVING POWER UTILITY COMPANY.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO AVOID CONFLICTS OF EQUIPMENT INSTALLATION. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EQUIPMENT CONNECTIONS, WIRING DEVICES AND LIGHTING WITH ARCHITECT PRIOR TO INSTALLATION.
11. ELECTRICAL CONTRACTOR SHALL SUBMIT EQUIPMENT SHOP DRAWINGS FOR APPROVAL BY ARCHITECT PRIOR TO COMMENCING INSTALLATION.
12. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND PAINTING ASSOCIATED WITH ELECTRICAL WORK.
13. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIAL INSTALLED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF COMPLETION AND ACCEPTANCE BY THE OWNER. CONTRACTOR AGREES TO REPLACE ANY DEFECTIVE EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER FOR THE DURATION OF THE GUARANTEE PERIOD.
14. MOUNTING HEIGHTS FROM FINISHED FLOOR TO CENTER LINE OF DEVICES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED ON DRAWINGS:
    - CONVENIENCE OUTLETS: 18"
    - LIGHT SWITCHES: 44"
    - COMMUNICATIONS OUTLETS: 18"
    - FIRE ALARM PULL STATIONS: 44"
    - FIRE ALARM HORNS AND STROBES: 80"

FIRE ALARM NOTES

1. FIRE ALARM SYSTEM WIRING, NUMBER AND SIZE OF CONDUCTORS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS BUT NOT LESS THAN 18 AWG. COPPER CONDUCTOR. UL LISTED PLENUM RATED SIGNALING CABLE MAY BE USED IN CONCEALED SPACES.
2. FIRE ALARM SYSTEM SHALL BE FULLY ADDRESSABLE, WITH DISCREET ADDRESSES FOR EACH ACTIVATING DEVICE. MAIN PANEL SHALL IDENTIFY DEVICE BASED ON COORDINATION WITH THE EXISTING SYSTEM.
3. LICENSED CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE AND OPERABLE FIRE ALARM AND SMOKE DETECTION SYSTEM IN ACCORDANCE WITH NFPA 72, BUILDING CODE OF NEW YORK STATE AND ALL LOCAL CODES, INCLUDING ALL CIRCUITRY, SMOKE DETECTORS, HEAT DETECTORS, ZONE MODULES, ANNUNCIATION DEVICES, FIRE ALARM PANEL, POWER MODULES, BATTERY BACKUP, MUNICIPAL TIE AND CONNECTION AND OTHER MISCELLANEOUS ITEMS NOT NECESSARILY DETAILED ON THIS DRAWING TO RENDER THIS FIRE ALARM SYSTEM COMPLETE AND OPERATIVE.
4. ELECTRICAL CONTRACTOR SHALL HIRE MANUFACTURER'S REPRESENTATIVE TO FULLY DEMONSTRATE SYSTEM FUNCTION, OPERATION AND MAINTENANCE OF FIRE ALARM SYSTEM TO OWNER.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRING, RELAYS AND MISCELLANEOUS EQUIPMENT ASSOCIATED WITH HVAC, EXHAUST FAN AND FAN COIL UNIT SHUTDOWN FROM FIRE ALARM PANEL IN ACCORDANCE WITH NYS PLANNING STANDARDS S807-1.F.
6. BUILDING FIRE ALARM VENDOR CONTACT INFORMATION:
   OPEN SYSTEMS METRO.
   SEAN WERLAN 914-640-9314
   TOM DIMARINO 914-329-9100



1 FIRE ALARM SCHEMATIC

NOT TO SCALE

ELECTRICAL EQUIPMENT SCHEDULE

SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION
	———	———	WALL MOUNTED L.E.D. EXIT SIGN WITH EMERGENCY LIGHTING AND INTEGRAL BATTERY/CHARGER FOR 90 MINUTE ILLUMINATION IN CASE OF POWER LOSS. SIGN SHALL BE WIRED TO UNSWITCHED HOT LEG OF INDICATED CIRCUIT. 120/277 VOLTS. FIXTURE SHALL HAVE ABILITY TO CONNECT TO REMOTE HEAD UNIT.
	———	———	WALL MOUNTED L.E.D. EXIT SIGN WITH INTEGRAL BATTERY/CHARGER FOR 90 MINUTE ILLUMINATION IN CASE OF POWER LOSS. SIGN SHALL BE WIRED TO UNSWITCHED HOT LEG OF INDICATED CIRCUIT. 120/277 VOLTS. FIXTURE SHALL HAVE ABILITY TO CONNECT TO REMOTE HEAD UNIT.
	———	———	L.E.D. EMERGENCY LIGHT FIXTURE WITH INTEGRAL BATTERY AND CHARGER FOR 90 MINUTE ILLUMINATION IN CASE OF POWER LOSS. FIXTURE SHALL BE WIRED TO UNSWITCHED HOT LEG OF INDICATED CIRCUIT. FIXTURE SHALL HAVE ABILITY TO CONNECT TO REMOTE HEAD UNIT. 120/277 VOLTS.
	———	———	REMOTE L.E.D. EMERGENCY LIGHT FIXTURE. PROVIDE LOW-VOLTAGE CONNECTION IN ACCORDANCE WITH MANUFACTURES SPECIFICATIONS FOR 90 MINUTE ILLUMINATION IN CASE OF POWER LOSS.
P	———	———	FIRE ALARM MANUAL PULL STATION.
H/L	———	———	FIRE ALARM HORN/STROBE LIGHT WITH MINIMUM FIELD SELECTABLE OUTPUT OF 15, 30, 75 & 110 CANDELAS...
L	———	———	FIRE ALARM STROBE LIGHT WITH MINIMUM FIELD SELECTABLE OUTPUT OF 15, 30, 75 & 110 CANDELAS..
R	———	———	FIRE ALARM FAN SHUT DOWN RELAY. RELAY SHALL SHUT DOWN EQUIPMENT DURING ACTIVATION OF FIRE ALARM. DEVICE SHALL BE COMPATIBLE WITH BUILDING'S EXISTING FIRE ALARM EQUIPMENT.
S	———	———	PHOTOELECTRIC SMOKE DETECTOR. DEVICE SHALL BE COMPATIBLE WITH BUILDING'S EXISTING FIRE ALARM EQUIPMENT.
M 5	HUBBELL	OMNIDT500	MOTION SENSOR – DUAL TECHNOLOGY 500 SQFT COVERAGE. SENSOR SHALL BE SET TO OCCUPANCY AUTO ON/ AUTO OFF AFTER 30 MINS OF VACANCY.
M 1	HUBBELL	OMNIDT500	MOTION SENSOR – DUAL TECHNOLOGY 1000 SQFT COVERAGE. SENSOR SHALL BE SET TO OCCUPANCY AUTO ON/ AUTO OFF AFTER 30 MINS OF VACANCY.
M 2	HUBBELL	OMNIDT500	MOTION SENSOR – DUAL TECHNOLOGY 2000 SQFT COVERAGE. SENSOR SHALL BE SET TO OCCUPANCY AUTO ON/ AUTO OFF AFTER 30 MINS OF VACANCY.
$	HUBBELL	1201	SINGLE POLE SWITCH, SPECIFICATION GRADE, 15 AMPERES, 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
$3	HUBBELL	1203	THREE WAY SWITCH, SPECIFICATION GRADE, 15 AMPERES, 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
$D	HUBBELL	LVSD-L3	LATCHING 3 BUTTON DIMMING SWITCH, SPECIFICATION GRADE, 15 AMPERES, 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
$V	HUBBELL	LHIRS1N	SINGLE POLE VACANCY WALL SWITCH. SET FOR MANUAL ON/AUTO OFF (VACANCY) OPERATION. 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
$VD	HUBBELL	LHDMIRS3N	SINGLE POLE VACANCY WALL SWITCH, WITH DIMMING. SET FOR MANUAL ON/AUTO OFF (VACANCY) OPERATION. 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
$O	HUBBELL	LHIRSON	SINGLE POLE OCCUPANCY WALL SWITCH. SET FOR AUTO ON/AUTO OFF (OCCUPANCY) OPERATION. 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
$K	HUBBELL	1201L	SINGLE POLE KEYED TOGGLE SWITCH, SPECIFICATION GRADE, 15 AMPERES, 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
	HUBBELL	5262	DUPLEX RECEPTACLE, SPECIFICATION GRADE, 15 AMPERES, 125 VOLTS. ALL RECEPTACLES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
G	HUBBELL	GF5262	DUPLEX RECEPTACLE WITH GFCI PROTECTION, SPECIFICATION GRADE, 20 AMPERES, 125 VOLTS. ALL RECEPTACLES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
WP	HUBBELL	GF5262	DUPLEX RECEPTACLE WITH GFCI PROTECTION AND WEATHERPROOF COVER, SPECIFICATION GRADE, 15 AMPERES, 125 VOLTS. ALL RECEPTACLES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
	———	———	DATA OUTLET. PROVIDE 1-GANG BACKLESS PVC OUTLET BOX WITH RESI-RINGS TO ACCEPT CONDUIT. PROVIDE AND INSTALL ¾" EMT IN WALL FROM BOX TO ACCESSIBLE SPACE ABOVE FINISHED CEILING. PROVIDE CAT 6 CABLE HOMERUNS TO LOCATION SPECIFIED BY OWNER OR OWNER'S VENDOR. NUMBER NEXT TO SYMBOL SHALL INDICATE DESIRED NUMBER OF HOMERUNS AT LOCATION. ALL CONNECTIONS AT THIS LOCATION SHALL BE FEMALE RJ45. CONTRACTOR SHALL PROVIDE DEEP BACK 4X4 METAL OUTLET BOX INSTEAD OF PVC IN THE CASE OF INSTALLATION IN A FIRE-RATED WALL OR CEILING.
	———	———	HARD WIRED CONNECTION – WHERE EQUIPMENT OR APPLIANCE DOES NOT HAVE INTEGRAL DISCONNECTING MEANS, ELECTRICAL CONTRACTOR SHALL PROVIDE INDEPENDENT DISCONNECT SWITCH.
	———	———	UNFUSED DISCONNECT SWITCH.
J	———	———	JUNCTION BOX.
PA/CL	NATIONAL/LOWELL	NATIONAL: 030-12EX-LL CLOCK, LOWELL: AP300 GRILL, PC312 RECESSED BOX, 810-T72 SPEAKER	CLOCK/SPEAKER COMBINATION IN RECESSED BACKBOX, WIRED TO EXISTING PUBLIC ADDRESS/CLOCK SYSTEMS. PROVIDE ALL NECESSARY EQUIPMENT AND WIRING. VERIFY ALL EQUIPMENT COMPATIBILITY AND WIRING WITH SCHOOL DISTRICT'S PUBLIC ADDRESS VENDOR. VERIFY MOUNTING HEIGHT WITH ARCHITECT.
	———	———	BRANCH CIRCUIT OR HOMERUN: TYPE MC (METAL CLAD) CABLE OR EMT CONDUIT (REFER TO PANEL SCHEDULES FOR TYPE) WITH TYPE THHN INSULATED COPPER CONDUCTORS. ALL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED.
	———	———	BRANCH CIRCUIT: TYPE MC (METAL CLAD) CABLE WITH COPPER CONDUCTORS AND FULL SIZED GROUND. ALL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED.
	———	———	BRANCH CIRCUIT: ELECTRICAL METALLIC TUBING (EMT) CONDUIT (UNLESS OTHERWISE SPECIFIED) WITH COPPER CONDUCTORS AND FULL SIZED GROUND. ALL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED.

KEYED NOTES

(APPLIES TO THIS SHEET ONLY)

1. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW 15/1 CIRCUIT BREAKER OF TYPE LISTED AND RATED FOR THE SPECIFIED ELECTRICAL PANEL. REPLACE EXISTING CIRCUIT BREAKER AS REQUIRED.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW 15/2 CIRCUIT BREAKER OF TYPE LISTED AND RATED FOR THE SPECIFIED ELECTRICAL PANEL. REPLACE EXISTING CIRCUIT BREAKER AS REQUIRED.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW 20/1 CIRCUIT BREAKER OF TYPE LISTED AND RATED FOR THE SPECIFIED ELECTRICAL PANEL. REPLACE EXISTING CIRCUIT BREAKER AS REQUIRED.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW 20/2 CIRCUIT BREAKER OF TYPE LISTED AND RATED FOR THE SPECIFIED ELECTRICAL PANEL. REPLACE EXISTING CIRCUIT BREAKER AS REQUIRED.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW 20/3 CIRCUIT BREAKER OF TYPE LISTED AND RATED FOR THE SPECIFIED ELECTRICAL PANEL. REPLACE EXISTING CIRCUIT BREAKER AS REQUIRED.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW 30/2 CIRCUIT BREAKER OF TYPE LISTED AND RATED FOR THE SPECIFIED ELECTRICAL PANEL. REPLACE EXISTING CIRCUIT BREAKER AS REQUIRED.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW 35/2 CIRCUIT BREAKER OF TYPE LISTED AND RATED FOR THE SPECIFIED ELECTRICAL PANEL. REPLACE EXISTING CIRCUIT BREAKER AS REQUIRED.
8. ELECTRICAL CONTRACTOR SHALL PROVIDE A LISTED BLANK COVER ON THE PANEL FACE WHERE CIRCUIT BREAKERS HAVE BEEN REMOVED AND NOT REPLACED.

PANEL LPA1B -EXISTING

(8) SQUARE-D, 120/208V, 3-PH, 4 WIRE, 225A MLO, 30 POLE. #3/0 FEEDERS FROM 100A MCB IN PANEL LPB1A-#4

BRANCH: 10,000 A.I.C. THERMAL MAGNETIC CIRCUIT BREAKERS OF MATCHING BRAND AND TYPE

KEYED NOTE	LOAD	CONDUCTORS				C.B.	CONDUCTORS	LOAD	KEYED NOTE
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	9	10	20	#12/2 THHN W/GND TYPE MC	BOY'S BATHROOM RECEPT & DRYER	3
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	11	12	20	#12/2 THHN W/GND TYPE MC	GIRL'S BATHROOM RECEPT & DRYER	3
3	OFFICE 128C RECEPTACLES	#12/2 THHN W/GND TYPE MC	20	21	22	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
3	OFFICE BATHROOM RECEPT & DRYER	#12/2 THHN W/GND TYPE MC	20	23	24	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
3	OFFICE 128D RECEPTACLES	#12/2 THHN W/GND TYPE MC	20	25	26	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
3	HALL & TRAINER RM LIGHTS	#12/2 THHN W/GND TYPE MC	20	27	28	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
3	OFFICE LIGHTS	#12/2 THHN W/GND TYPE MC	20	29	30	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	

PANEL PPG8 -EXISTING (PPG)

(8) SQUARE-D, 120/208V, 3-PH, 4 WIRE, 225A MLO, 54 POLE. #3/0 FEEDERS FROM 100A MCB IN PANEL LPB1A-#2

BRANCH: 10,000 A.I.C. THERMAL MAGNETIC CIRCUIT BREAKERS OF MATCHING BRAND AND TYPE

KEYED NOTE	LOAD	CONDUCTORS	C.B.			C.B.	CONDUCTORS	LOAD	KEYED NOTE
5	FC-1	#12/3 THHN W/GND TYPE MC	20	25	26	15	EXISTING CONDUCTORS	EXISTING CIRCUIT	
			20	27	28	15	EXISTING CONDUCTORS	EXISTING CIRCUIT	
			20	29	30	15			
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	31	32	15	EXISTING CONDUCTORS	EXISTING CIRCUIT	
			20	33	34	15			
			20	35	36	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
2	AC-6 & 7	#12/2 THHN W/GND TYPE MC	15	37	38	20			
			15	39	40	15	EXISTING CONDUCTORS	EXISTING CIRCUIT	
4	ACC-2	(2) #12 THWN #12 GND ¾" LFNC	20	41	42	15	EXISTING CONDUCTORS	EXISTING CIRCUIT	
			20	43	44	20			
3	ROOF RECEPTACLE	(2) #12 THWN #12 GND ¾" EMT	20	45	46	20	#12/3 THHN W/GND TYPE MC	EF-1	5
3	ROOF RECEPTACLE	(2) #12 THWN #12 GND ¾" EMT	20	47	48	20			
3	STORAGE RECEPTACLE	(2) #12 THWN #12 GND ¾" EMT	20	49	50	15	#12/2 THHN W/GND TYPE MC	P-1	

PANEL LPA1A -EXISTING

(8) SQUARE-D, 120/208V, 3-PH, 4 WIRE, 225A MLO, 30 POLE. #2/0 FEEDERS FROM 125A MCB IN PANEL LPB1A-#6

BRANCH: 10,000 A.I.C. THERMAL MAGNETIC CIRCUIT BREAKERS OF MATCHING BRAND AND TYPE

KEYED NOTE	LOAD	CONDUCTORS				C.B.	CONDUCTORS	LOAD	KEYED NOTE
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	1	2	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	3	4	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	5	6	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	7	8	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
3	TRAINERS ROOM RECEPTACLES	#12/2 THHN W/GND TYPE MC	20	9	10	20	———	SPARE	
3	STORAGE RECEPTACLES	#12/2 THHN W/GND TYPE MC	20	11	12	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
3	MEN'S BATHROOM RECEPT & DRYER	#12/2 THHN W/GND TYPE MC	20	13	14	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
3	WOMEN'S BATHROOM RECEPT & DRYER	#12/2 THHN W/GND TYPE MC	20	15	16	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
3	EXISTING BATHROOM RECEPT & DRYER	#12/2 THHN W/GND TYPE MC	20	17	18	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	19	20	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
3	ICE BATH RECEPTACLE	#12/2 THHN W/GND TYPE MC	20	21	22	20	#12/2 THHN W/GND TYPE MC	OFFICE RECPTACLES	3
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	23	24	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	
	EXISTING CIRCUIT	EXISTING CONDUCTORS	20	25	26	20	#12/2 THHN W/GND TYPE MC	SGI ROOM RECEPTACLES	3
3	HALL & TRAINER RM LIGHTS	#12/2 THHN W/GND TYPE MC	20	27	28	20	#12/2 THHN W/GND TYPE MC	COORIDOR RECEPTACLES	3
3	OFFICE LIGHTS	#12/2 THHN W/GND TYPE MC	20	29	30	20	EXISTING CONDUCTORS	EXISTING CIRCUIT	

PANEL PPB-1 EXISTING (PPB)

(8) SQUARE-D, 120/208V, 3-PH, 4 WIRE, 225A MLO, 30 POLE. #3/0 FEEDERS FROM 100A MCB IN PANEL LPB1A-#3

BRANCH: 10,000 A.I.C. THERMAL MAGNETIC CIRCUIT BREAKERS OF MATCHING BRAND AND TYPE

KEYED NOTE	LOAD	CONDUCTORS				C.B.	CONDUCTORS	LOAD	KEYED NOTE
5	FC-2	#12/3 THHN W/GND TYPE MC	20	1	2	15	#12/2 THHN W/GND TYPE MC	AC-1, CH-1,2	2
			20	3	4	15			
			20	5	6	15	#12/2 THHN W/GND TYPE MC	UH-1,2	1
2	AC-2,3,5	#12/2 THHN W/GND TYPE MC	15	7	8	35	(2) #8 THWN #8 GND ¾" LFNC	ACCU-1	7
			15	9	10	35			
1	EF-2	#12/2 THHN W/GND TYPE MC	15	11	12	15	#12/2 THHN W/GND TYPE MC	AC-4, CH-3	2
3	ROOF RECEPT.	(2) #12 THWN #12 GND ¾" EMT	20	13	14	15			
3	ROOF RECEPT.	(2) #12 THWN #12 GND ¾" EMT	20	15	16	15	#12/2 THHN W/GND TYPE MC	P-2	
6	ICE MACHINE NEMA 14-30R	#10/3 THHN W/GND TYPE MC	30	17	18	30	#10/3 THHN W/GND TYPE MC	ICE MACHINE NEMA 14-30R	6
			30	19	20	30			

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SED PROJECT #66-08-01-06-0-005-020

ELECTRICAL:
EQUIPMENT SCHEDULES, NOTES & DETAILS
RENOVATIONS TO THE PHYSICAL ED. DEPARTMENT
WESTLAKE HIGH SCHOOL
825 WEST LAKE DRIVE
THORNWOOD, NY 10594

Job No. 4.1449.08
File No. 4144908 E701

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