

GREENBURGH CENTRAL SCHOOL DISTRICT

CENTRAL OFFICE ADMINISTRATION

475 WEST HARTSDALE AVENUE, HARTSDDALE, NY 10530

PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS

AT

HIGHVIEW ELEMENTARY SCHOOL

200 NORTH CENTRAL AVENUE
HARTSDDALE, NY 10530
SED No.: 66-04-07-06-0-002-013

LEE F. JACKSON ELEMENTARY SCHOOL

2 SARATOGA ROAD
WHITE PLAINS, NY 10607
SED No.: 66-04-07-06-0-006-011

RICHARD J. BAILEY ELEMENTARY SCHOOL

33 WEST HILLSIDE AVENUE,
WHITE PLAINS, NY 10607
SED No.: 66-04-07-06-0-005-012

WOODLANDS MIDDLE/ HIGH SCHOOL

475 WEST HARTSDALE AVENUE
HARTSDDALE, NY 10530
SED No.: 66-04-07-06-0-007-022

EARLY CHILDHOOD PROGRAM

475 WEST HARTSDALE AVENUE
HARTSDDALE, NY 10530
SED No.: 66-04-07-06-0-011-008

LIST of DRAWINGS

GENERAL

T0.01 TITLE SHEET

HIGHVIEW ELEMENTARY SCHOOL - 'A'
BBS#: 21-288

ARCHITECTURAL

A3.01 ROOF DEMOLITION AND PROPOSED PLANS
A3.02 ROOF DETAILS
A3.03 ROOF DETAILS
A8.01 DEMOLITION AND PROPOSED WINDOW AND INFILL PANEL REPLACEMENTS

MECHANICAL

M0.01 MECHANICAL GENERAL NOTES AND SYMBOLS
M1.01 MECHANICAL LOWER FLOOR PLAN

WOODLANDS MIDDLE/ HIGH SCHOOL - 'D'
BBS#: 21-291

ARCHITECTURAL

A8.01 DOOR SCHEDULE
A8.02 DEMOLITION AND PROPOSED WINDOW REPLACEMENTS

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M1.01 MECHANICAL SECOND AND THIRD FLOOR PLAN - AREA 'A'
M1.02 MECHANICAL FIRST FLOOR PLAN - AREA 'B'
M1.03 MECHANICAL GROUND AND SECOND FLOOR PLAN - AREA 'C'
M1.04 MECHANICAL FIRST FLOOR PLAN - AREA 'D'
M1.05 MECHANICAL FIRST FLOOR PLAN - AREA 'E'

ELECTRICAL

E1.01 ELECTRICAL NOTES AND PLANS
E1.02 ELECTRICAL FIRST FLOOR PLAN

LEE F. JACKSON ELEMENTARY SCHOOL - 'B'
BBS#: 21-289

MECHANICAL

M0.01 MECHANICAL GENERAL NOTES AND SYMBOLS

ELECTRICAL

E1.01 ELECTRICAL NOTES AND PLANS

EARLY CHILDHOOD PROGRAM - 'E'
BBS#: 21-292

ARCHITECTURAL

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PLUMBING

P0.01 PLUMBING GENERAL NOTES AND KEY PLAN
P1.01 PLUMBING DEMOLITION AND NEW PART PLANS AND DETAILS

ELECTRICAL

E0.01 ELECTRICAL NOTES AND LEGENDS
E4.01 ELECTRICAL PLANS

RICHARD J. BAILEY ELEMENTARY SCHOOL - 'C'
BBS#: 21-290

ARCHITECTURAL

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A3.02 PROPOSED ROOF PLAN
A8.01 DOOR SCHEDULE
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ELECTRICAL

E0.01 ELECTRICAL NOTES AND LEGENDS
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E4.01 BASEMENT AND FIRST FLOOR POWER PLANS
E4.02 SECOND FLOOR AND ROOF POWER PLANS, RISER AND PANEL SCHEDULE

LOCATION MAP

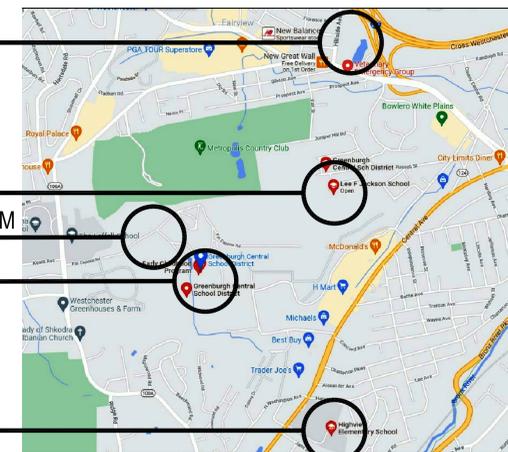
RICHARD J. BAILEY ES

LEE F. JACKSON ES

EARLY CHILDHOOD PROGRAM

WOODLANDS MS/HS

HIGHVIEW ES



MAP DATA © GOOGLE

BBS ARCHITECTS
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ENGINEERS

244 EAST MAIN STREET | PATCHOGUE | NEW YORK 11772 | T. 631.475.0349 | F. 631.475.0361
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ARCHITECTS CERTIFICATION
THE UNDERSIGNED CERTIFIES THAT TO THE BEST OF HIS KNOWLEDGE, INFORMATION,
AND BELIEF, THE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH
APPLICABLE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION
AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION
CODE, AND THE CONSTRUCTION STANDARDS OF THE EDUCATION DEPARTMENT.

LAWRENCE SALVESEN, A.I.A. LIC. No. 020623

BBS FILE No. 21-288 - 21-292
ISSUED FOR BID: MAY 27, 2022

2020 ENERGY CONSERVATION CONSTRUCTION CODE of NEW YORK STATE DESIGN CRITERIA				
2020 E.C.C.C. of N.Y. STATE	CLIMATE ZONE	INSULATION COMPONENT	R-VALUE	REFERENCE
SECTION C301 CLIMATE ZONES	ZONE 4A (WESTCHESTER COUNTY)			TABLE C301.1 NEW YORK STATE CLIMATE ZONES BY COUNTY
SECTION C402 BUILDING ENVELOPE REQUIREMENTS	ZONE 4	ROOF - INSULATION ENTIRELY ABOVE ROOF DECK	R-30a	TABLE C402.1.3 OPAQUE THERMAL ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS, R-VALUE METHOD

- ### HAZARDOUS MATERIALS NOTES
- ALL CONTRACTORS SHALL BE ADVISED THAT THE SCHOOL DISTRICT HAS SOLICITED AN INDEPENDENT TESTING COMPANY TO INSPECT AND TEST ALL AREAS OF THE EXISTING BUILDING WHICH ARE SCHEDULED TO BE DEMOLISHED DURING CONSTRUCTION FOR THE PRESENCE OF ASBESTOS, LEAD AND/OR PCB CONTAINING CONSTRUCTION MATERIALS.
 - ALL INSPECTIONS AND TESTING HAVE BEEN PERFORMED BY:
ENVIROSCIENCE CONSULTANTS
37 MOORE AVENUE
FIRST FLOOR
MT. KISCO, NY 10549
 - RESULTS OF THE INSPECTIONS AND TESTING INDICATE THAT THE EXISTING BUILDING HAS TESTED NEGATIVE FOR THE PRESENCE OF ASBESTOS, LEAD AND/OR PCB CONTAINING CONSTRUCTION MATERIALS. REFER TO PRE CONSTRUCTION SURVEY, BULK SAMPLING AND ANALYSIS OF SUSPECT ASBESTOS, LEAD OR PCB CONTAINING MATERIALS PROJECT MANUAL, INFORMATION AVAILABLE TO BIDDERS FOR ADDITIONAL INFORMATION.
 - ALL DISTURBANCES, REMOVAL OR DEMOLITION WORK TO THESE IDENTIFIED AREAS MUST BE PERFORMED IN CONFORMANCE WITH THE GUIDELINES AS OUTLINED IN THE PROJECT MANUAL AND APPLICABLE LOCAL, STATE AND/OR FEDERAL REGULATIONS.
 - ALL LEAD, ASBESTOS AND PCB REMOVAL IS BY THE G.C. THE CONTRACTOR SHALL PERFORM A SITE INSPECTION PRIOR TO SUBMITTING A BID TO REVIEW AND QUANTIFY ALL ASBESTOS, LEAD AND/OR PCB CONTAINING CONSTRUCTION MATERIALS TO BE REMOVED OR AFFECTED BY THE PROPOSED SCOPE OF WORK.

WIND DESIGN DATA

DESIGN CRITERIA	REFERENCE
ULTIMATE WIND SPEED	130 MPH ASCE 7-16 FIG. 26.5-1B
RISK FACTOR	III ASCE 7-16 TABLE 1.5-1
WIND EXPOSURE	CATEGORY B ASCE 7-16 SECTION 26.7.3
INTERNAL PRESSURE COEFFICIENT	GOFI = +0.18 ENCLOSED ASCE 7-16 TABLE 26.11-1
COMPONENTS AND CLADDING	ZONE 1 = +20/-31 PSF 2 = +20/-51 PSF 3 = +20/-77 PSF ASCE 7-16 FIGURE 30.5-1 EQUATION 30.5-1

- ### WOOD BLOCKING & PERIMETER EDGE NOTES
- CONTRACTOR IS TO BE ADVISED THAT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXTENT OF WOOD BLOCKING REQUIRED FOR ALL PERIMETER GRAVEL STOPS, MECHANICAL CURBS, EXPANSION JOINTS, ETC. IN ACCORDANCE WITH THE TAPERED INSULATION LAYOUTS INCLUDED IN THESE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS.
 - THE DETAILS SHOWN MAY NOT DEPICT THE REQUIRED HEIGHT OF BLOCKING REQUIRED AND REPRESENT THE INTENT OF THE DETAIL AT THIS CONDITION.
 - THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE HEIGHT OF THE TOP OF GRAVEL STOP AT EACH ROOF ELEVATION AND MAKE THE NECESSARY MODIFICATIONS AT THE EDGE CONDITIONS TO MEET THE TAPERED ELEVATION HEIGHTS IN ACCORDANCE WITH THE ROOF MANUFACTURERS REQUIREMENTS.
 - THE CONTRACTOR IS RESPONSIBLE TO MODIFY THE HEIGHTS OF ALL BREAK METAL FASCIAS & FASCIA EXTENDERS AS REQUIRED TO CONFORM TO THE INTENT OF THE DETAILS SHOWN AND THE CONDITIONS AS THEY CURRENTLY EXIST.
 - PROVIDE APPROPRIATE BLOCKING FASTENERS AS REQ'D TO SECURE BLOCKING TO EXIST. ROOF DECK IN ACCORDANCE W/ MANUF. ROOF SYSTEM REQUIREMENTS FOR COMPLIANCE W/ ASCE 7-10. CONTRACTOR SHALL PROVIDE N.Y.S. STRUCTURAL ENGINEERS CERTIFICATION FOR ANCHORING METHOD IN ACCORDANCE WITH ROOFING SPECIFICATIONS.

- ### ROOF DEMOLITION NOTES
- EXISTING MECHANICAL EQUIPMENT FANS SHALL BE REMOVED AND REINSTALLED AS REQUIRED TO FACILITATE REMOVAL AND INSTALLATION OF EXISTING OR NEW ROOFING. THE CONTRACTOR SHALL HIRE A LICENSED ELECTRICIAN TO DISCONNECT AND RECONNECT POWER TO FANS.
 - EXISTING HVAC ROOF TOP EQUIPMENT SHALL BE REMOVED AND REINSTALLED AS REQUIRED TO FACILITATE REMOVAL AND INSTALLATION OF NEW OR EXISTING ROOFING. THE CONTRACTOR SHALL HIRE A LICENSED ELECTRICIAN TO DISCONNECT AND RECONNECT POWER TO RTU'S. THE CONTRACTOR SHALL HIRE A LICENSED PLUMBER TO DISCONNECT AND RECONNECT GAS SERVICE TO RTU'S WHERE APPLICABLE.
 - CONTRACTOR SHALL REMOVE AND REPLACE EXISTING ROOF HATCHES WITH NEW AS SPECIFIED. SIZE TO MATCH EXISTING ONE REMOVED.
 - CONTRACTOR SHALL REMOVE EXISTING ROOFING SYSTEMS AS INDICATED FULL DEPTH AND PREPARE DECK TO RECEIVE NEW ROOFING SYSTEM.
 - CONTRACTOR SHALL REMOVE EXISTING ROOF DRAIN DOME STRAINERS, FLASHING CLAMP RINGS AND INSTALL NEW C.I. OF THE SAME. CONTRACTOR TO FURNISH & INSTALL NEW 3" CAST IRON STATIC EXTENSION RINGS. THE CONTRACTOR SHALL SNAKE OUT EXISTING DRAIN LINES TO ENSURE PROPER FUNCTION OF DRAINAGE, TYPICAL AT ALL ROOF DRAIN LOCATIONS.
 - ALL ROOF AREAS MARKED "NOT IN CONTRACT" SHALL BE PROTECTED DURING ROOF REPLACEMENT SCOPE OF WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO REPAIR AND RESTORE THESE AREAS IF ANY DAMAGE HAS BEEN CAUSED AT NO ADDITIONAL COST TO THE OWNER.

ROOF SYMBOL LEGEND

RTU	EXISTING ROOFTOP AIR HANDLER LOCATIONS ON EQUIPMENT RAILS
A/C	EXISTING A/C CONDENSER LOCATION ON EQUIPMENT RAILS
EF	EXISTING ROOF TOP EXHAUST FAN LOCATION
ERD	EXISTING ROOF DRAIN LOCATIONS
PP	EXISTING PENETRATION POCKET THRU ROOF LOCATIONS TO REMAIN
VTR	EXISTING PLUMBING VENT THRU ROOF LOCATIONS TO REMAIN
RC #1	ROOF CORE LOCATIONS. REFER TO EXISTING ROOF COMPOSITION NOTES FOR ADDITIONAL INFO.
L.P.	LOW POINT OF TAPERED INSULATION
H.P.	HIGH POINT OF TAPERED INSULATION @ 1/8" PER FOOT - U.O.N.
E.J.	INDICATES EXIST'G ROOF EXPANSION JOINT LOCATION. G.C. TO REMOVE & INSTALL NEW AS DETAILED
GNV	SHEET METAL GOOSE NECK VENT STACK
MOV	INDICATES NEW ROOF WALKWAY PADS
MECH	MECHANICAL GRAVITY VENTS
SEC	EXISTING COPING MOUNTED SECURITY LIGHT, REMOVE AND REINSTALL
SKY	EXISTING SKYLIGHTS TO BE REMOVED AND REPLACED WITH NEW. SEE DETAILS

- ### EXISTING ROOF COMPOSITION CORES
- ** ALL CORES ARE FROM THE TOP DOWN **
- ROOF CORE SAMPLE #1, ROOF B AT FLASHING
TOTAL THICKNESS ABOVE DECK: 4 INCHES
- GRAVEL BALLAST SURFACE
 - CAP SHEET - ASPHALT
 - 1/2" PERLITE BOARD
 - RIGID INSULATION BOARD, APPROX. 3-1/2" TOTAL
 - METAL DECK STRUCTURE
- ROOF CORE SAMPLE #2, ROOF B AT FIELD
TOTAL THICKNESS ABOVE DECK: 3-1/2 INCHES
- GRAVEL BALLAST SURFACE
 - CAP SHEET - ASPHALT
 - 1/2" PERLITE BOARD
 - RIGID INSULATION BOARD, APPROX. 3" TOTAL
 - METAL DECK STRUCTURE
- ROOF CORE SAMPLE #3, ROOF A AT FIELD
TOTAL THICKNESS ABOVE DECK: 3-1/2 INCHES
- GRAVEL BALLAST SURFACE
 - CAP SHEET - ASPHALT
 - 1/2" PERLITE BOARD
 - RIGID INSULATION BOARD, APPROX. 3" TOTAL
 - VAPOR BARRIER
 - METAL DECK STRUCTURE
- ROOF CORE SAMPLE #4, ROOF A AT FLASHING
TOTAL THICKNESS ABOVE DECK: 3-1/2 INCHES
- GRAVEL BALLAST SURFACE
 - CAP SHEET - ASPHALT
 - 1/2" PERLITE BOARD
 - RIGID INSULATION BOARD, APPROX. 3" TOTAL
 - VAPOR BARRIER
 - METAL DECK STRUCTURE
- ROOF CORE SAMPLE #5, ROOF A AT ROOF DRAIN
TOTAL THICKNESS ABOVE DECK: 2-1/2 INCHES
- GRAVEL BALLAST SURFACE
 - CAP SHEET - ASPHALT
 - 1/2" PERLITE BOARD
 - RIGID INSULATION BOARD, APPROX. 2" TOTAL
 - VAPOR BARRIER
 - METAL DECK STRUCTURE

- ### TAPERED INSULATION NOTES
- G.C. SHALL PROVIDE A TAPERED INSULATION PLAN FOR ALL ROOF AREAS IN CONTRACT.
 - G.C. SHALL FIELD VERIFY ROOF DIMENSIONS & ROOF DRAIN LOCATIONS.
 - TAPERED INSULATION LAYOUT SHALL CONFORM TO LATEST REQUIREMENTS OF THE N.Y. STATE EMERGENCY CODE. MINIMUM PITCH OF 1/8" PER FOOT.
 - TAPERED INSULATION PLAN SHALL SHOW ALL ROOF PITCHES & CRICKETS AS REQUIRED TO FACILITATE POSITIVE DRAINAGE.
 - ROOF INSULATION TO BE A MIN. THICKNESS OF 5.2" AND R-30 (CONTINUOUS INSULATION) AS PER THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE.

- ### PRE-ABATEMENT WORK NOTES:
- THE CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATIONS OF PERSONAL AND WASTE DECONTAMINATION ENCLOSURES, PICK UP AREA FOR REFUSE AND ASBESTOS DEBRIS. THESE LOCATIONS SHALL BE REVIEWED AND PROPERLY APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL ESTABLISH LABELS AND MAINTAIN PROPER EXITS AND WAYS OF DEPARTURE WITHIN EACH WORK AREA FOR NORMAL AND EMERGENCY USE BY WORKERS DURING ALL ABATEMENT.

- ### POST-ABATEMENT WORK NOTES:
- THE CONTRACTOR SHALL, UPON COMPLETION OF REMOVALS, PROVIDE WRITTEN DOCUMENTATION THAT THE PROJECT WORK AREAS ARE COMPLETELY FREE OF ALL HAZARDOUS MATERIALS.
 - THE CONTRACTOR SHALL PROVIDE RECORDS OF ALL HAZARDOUS MATERIALS REMOVED FROM THE SITE.

- ### ABATEMENT NOTES
- (A) REMOVE FROM THE AREAS INDICATED: ALL ASSUMED ASBESTOS CONTAINING ELECTRICAL WIRE INSULATION, AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN FAN ROOM AND INTERIOR OF AIR HANDLERS DUCT WORK SYSTEMS. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 58 AND SPECIFICATIONS.

NOTES:
REFER TO ENVIROSCIENCE CONSULTANTS' REPORT FOR PROJECT # 21818 CONTAINED WITHIN THE PROJECT MANUAL, FOR ALL PRECONSTRUCTION SURVEY, BULK SAMPLING AND ANALYSIS OF SUSPECT/ASSUMED ASBESTOS CONSTRUCTION MATERIALS. G.C. TO COORDINATE WITH ENVIROSCIENCE FOR PROJECT-SPECIFIC ABATEMENT & DISPOSAL PROTOCOL, REQUIRED.

- ### LEAD CONTAINING NOTES
- (LCM) CONTRACTOR SHALL NOTE THAT LEAD PAINT EXISTS ON THE EXISTING LOWER LEVEL - LOBBY/ GYMNASIUM METAL DOOR FRAMES, METAL GLASS PARTITIONS, AND METAL SILL-BEAMS (GREEN WHITE). REFER TO SPECIFICATIONS FOR PROTOCOL ON REMOVALS AND IMPACT ON NEW WORK SCOPE.

NOTES:
MATERIALS IDENTIFIED ABOVE SHOULD BE CONSIDERED LEAD CONTAINING IN THE AREAS INDICATED AS WELL AS WHERE EVER THEY EXIST THROUGHOUT THE STRUCTURE.
DESIGNATED KEYNOTES INDICATE MATERIALS TO BE REMOVED AND PROPERLY DISPOSED OF UNDER THIS PROJECT. REFER TO PRE CONSTRUCTION LEAD MATERIALS INSPECTION, SAMPLING REPORT, AND LEAD WORK SAFE PLAN SPECIFICATION 02000 FOR ABATEMENT PROCEDURES AND LEGAL REMOVAL AND DISPOSAL REQUIREMENTS. REFER TO ENVIROSCIENCE CONSULTANTS' REPORT FOR PROJECT # 21818, CONTAINED WITHIN THE PROJECT MANUAL FOR LEAD-BASED PAINT INSPECTION DATA & APPENDIX C FOR LEAD XRF TEST RESULTS FOR PROJECT-SPECIFIC DATA.

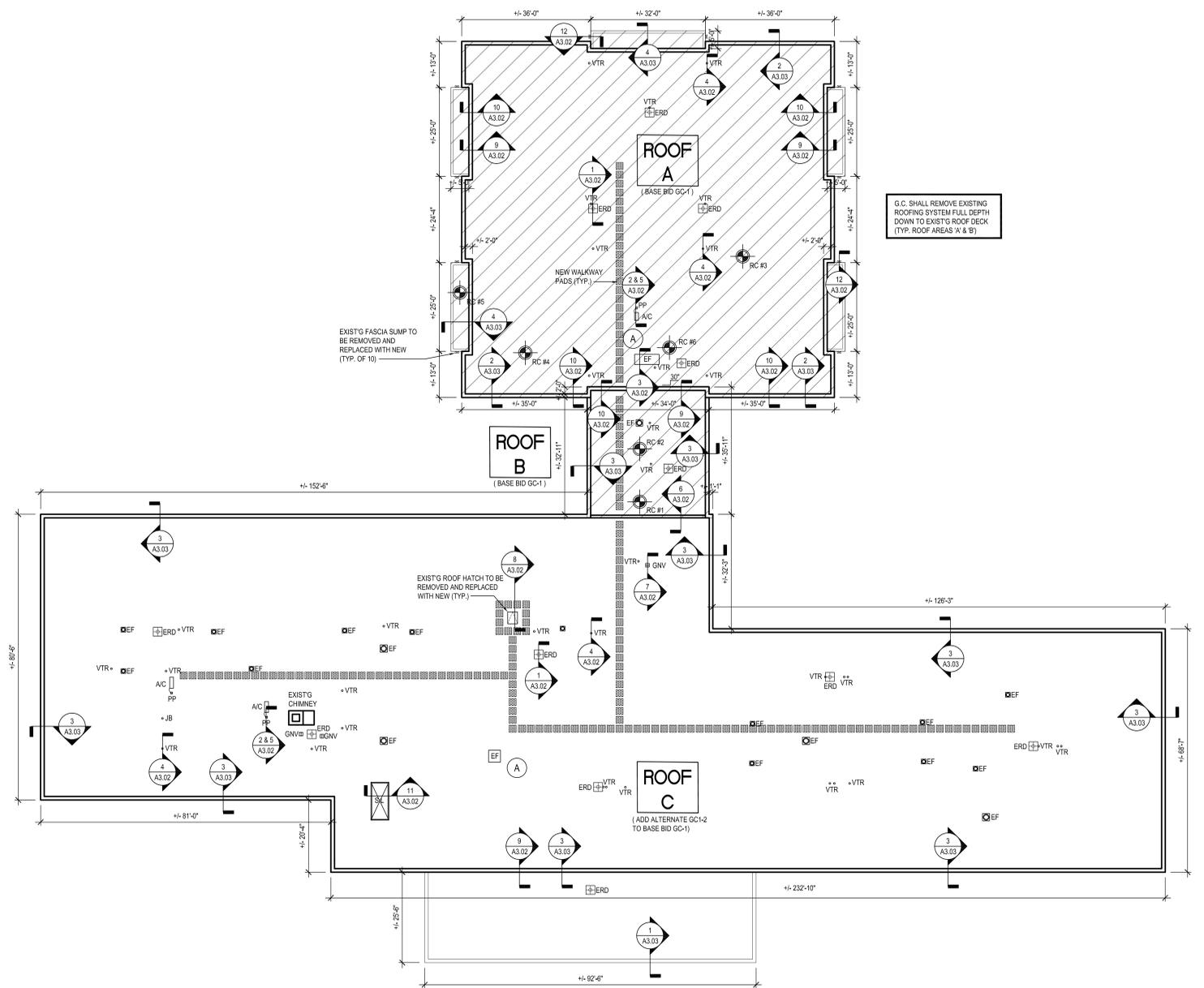
- ### GENERAL NOTES
- IN ACCORDANCE WITH STATE AND LOCAL CODES, THE REQUIRED EXITS IN THE EXISTING BUILDING MUST BE KEPT CLEAR, MAINTAINED, AND PROTECTED.
 - ALL WORK AND MATERIAL OF THIS PROJECT AND ADJACENT SURFACES AND THE INTERIOR OF THE BUILDING SHALL BE PROTECTED FROM DAMAGE, IN THE EVENT OF DAMAGE, THE RESPONSIBLE CONTRACTOR (I.E. GENERAL CONTRACTOR OR ASBESTOS CONTRACTOR) SHALL IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE SCHOOL DISTRICT.
 - ALL DEMOLITION AND CONSTRUCTION WORK TO BE PERFORMED WITHOUT INTERRUPTION TO SCHOOL OPERATIONS AND SHALL COMPLY WITH PROCEDURES OUTLINED IN SPECIFICATION SECTION 01330 OF THE PROJECT MANUAL.
 - EACH CONTRACTOR SHALL ENFORCE STRICT DISCIPLINE AND GOOD ORDER AMONG THE CONTRACTOR'S EMPLOYEES AND OTHER PERSONS CARRYING OUT THE CONTRACT. THE CONTRACTOR SHALL NOT PERMIT EMPLOYMENT OF UNFIT PERSONS OR PERSONS NOT SKILLED IN THE TASKS ASSIGNED TO THEM.
 - EACH CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL OF HIS OWN PROJECT WASTE MATERIAL, AND RUBBISH FOR SUBSEQUENT LEGAL OFF-SITE DISPOSAL. CONTAINER LOCATION TO BE COORDINATED WITH THE OWNER, OFF-SITE DISPOSAL TO BE ON A REGULAR BASIS.
 - CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING AND PRIOR TO PROCEEDING WITH WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN WRITING.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS REQUIRED FOR BIDDING AND ESTIMATING.
 - CONTRACTOR TO PROTECT ALL AREAS OF WORK FROM INCREMENT WEATHER DURING AND AT THE END OF DAILY WORK OPERATIONS.
 - ALL PROJECT WASTE MATERIAL, AND RUBBISH TO BE DISPOSED IN CONTAINERS PROVIDED BY EACH CONTRACTOR OR SUBSEQUENT LEGAL OFF-SITE DISPOSAL. CONTAINER LOCATION TO BE COORDINATED WITH THE CONSTRUCTION MANAGER AND OWNER. OFF-SITE DISPOSAL TO BE ON A REGULAR BASIS.
 - ALL INTERIOR SURFACES DISTURBED DURING CONSTRUCTION SHOULD BE REPAIRED AND/OR REPLACED TO MATCH EXISTING CONDITIONS TO THE APPROVAL OF THE ARCHITECT AND OWNER.
 - ALL DEBRIS, DUST, AND DIRT CAUSED BY WORK OF THIS CONTRACT SHALL BE REMOVED FROM SITE BY APPROPRIATE MEANS. RESTORE ALL CONDITIONS TO THE STATE OF CLEANLINESS THAT EXISTED PRIOR TO COMMENCEMENT OF WORK.

WIRE AND CONDUIT NOTE

THE ROOF CONTRACTOR SHALL HAVE ALL ELECTRICAL CONDUIT IN THE VICINITY OF THE ROOF RECONSTRUCTION DISCONNECTED BY A LICENSED ELECTRICIAN, AS NEEDED. CONDUIT SHOULD BE DISCONNECTED AS REQUIRED AS THE AREA THAT CONTAINS THE ELECTRICAL CONDUIT BECOMES IMPACTED BY ROOF RECONSTRUCTION WORK. THE CONTRACTOR MUST REVIEW & COORDINATE ALL ELECTRICAL CONDUIT DISCONNECTS WITH THE SCHOOL DISTRICT, SO AS NOT TO DISRUPT OR INTERFERE WITH SCHOOL OPERATIONS. WHEN ROOF RECONSTRUCTION WORK HAS BEEN COMPLETED IN A PARTICULAR AREA, ANY ELECTRICAL CONDUIT THAT CAN REASONABLY BE REINSTALLED WITHOUT EFFECTING ONGOING AREAS OF ROOF RECONSTRUCTION, SHALL BE SO REINSTALLED BY A LICENSED ELECTRICIAN. THE ROOF CONTRACTOR WILL PROVIDE PRE-MANUFACTURED PIPE SUPPORT PEDESTAL ASSEMBLIES FOR ALL CONDUIT. PIPE PEDESTAL SUPPORT DESIGN & SPACING SHALL BE SPECIFIED BY ROOF SURFACING MANUFACTURER & REVIEWED BY ARCHITECT PRIOR TO CONSTRUCTION OR PURCHASE BY THE CONTRACTOR. ALL ELECTRICAL CONNECTIONS SHALL BE RESTORED UPON COMPLETION OF THE WORK. ALL ELECTRICAL WORK TO EXISTING ROOF TOP EQUIPMENT WHICH MUST BE EXTENDED DUE TO NEW ELEVATION OF ROOF CURBS IS ALSO THE FULL RESPONSIBILITY OF THE ROOF CONTRACTOR.

NOTE TO CONTRACTOR:

ANY SQUARE FOOTAGES AND/OR DIMENSIONS SHOWN SHALL BE CONSIDERED APPROXIMATE. THE CONTRACTOR IS FULLY RESPONSIBLE TO FIELD-VERIFY ALL ROOF AREA DIMENSIONS AND INCLUDE ALL CONDITIONS AS A PART OF THE BASE BID COST.



ROOF DEMOLITION AND PROPOSED PLAN
HIGHVIEW ELEMENTARY SCHOOL

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

REV.	DATE	ITEM

NOTICE
THESE DRAWINGS ARE BASED ON CONSTRUCTION DRAWINGS NOT PROVIDED BY THE ARCHITECTS. LANDSCAPE ARCHITECTS AND ENGINEERS, P.C. AND, THEREFORE, MAY NOT REPRESENT THE CONDITIONS AS CONSTRUCTED AT THE TIME. ALL EXISTING CONDITIONS SHOWN ARE REPRESENTED AS BEST AS THE INFORMATION HAS BEEN REVIEWED AND NOT HAVE BEEN FIELD AND DETAIL PER THE ORIGINAL DOCUMENTS OR PER THE OWNER'S INFORMATION.

KEY PLAN
NOT TO SCALE

PROJECT
GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
HIGHVIEW ELEMENTARY SCHOOL
HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
ROOF DEMOLITION and PROPOSED PLANS

DRAWING BY: SES
CHECK BY: JWW

NOTICE
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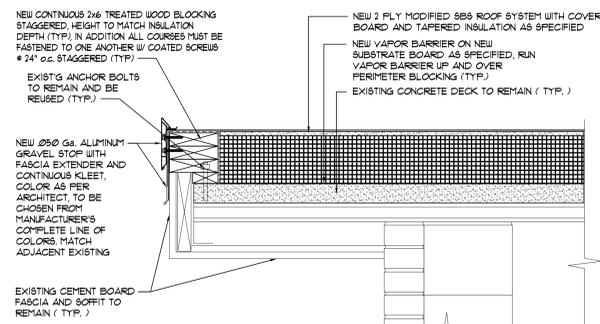
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ENGINEERS

244 EAST MAIN STREET, 187 WOLF ROAD, STE. 205
PATCHOGUE, ALBANY
NEW YORK 12252
T. 518.475.0349 F. 518.621.7650
F. 518.475.0361

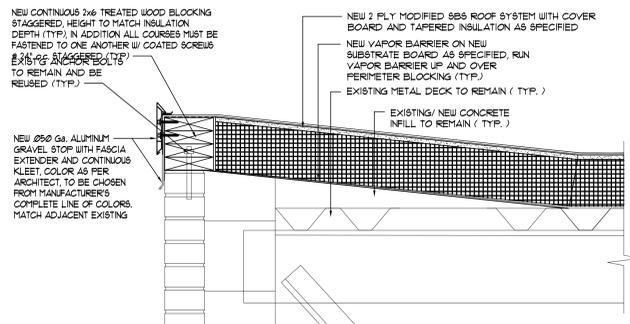
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SED No: 66-04-07-06-0-002-013
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS HIGHVIEW E.S.
DWG TITLE: ROOF DEMOLITION & PROPOSED PLANS
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-288

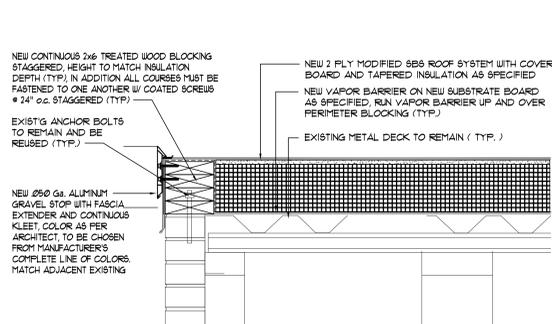
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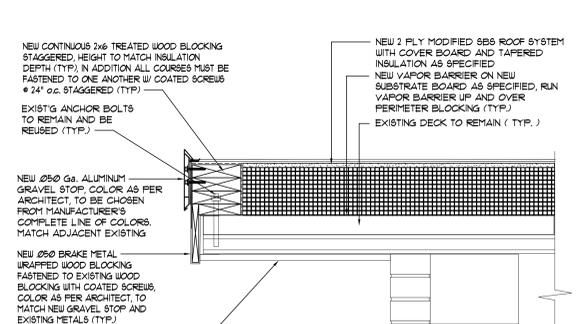
1 TYPICAL ROOF EDGE DETAIL
SCALE: 1-1/2" = 1'-0"



2 TYPICAL ROOF EDGE DETAIL
SCALE: 1-1/2" = 1'-0"



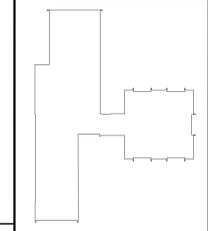
3 TYPICAL ROOF EDGE DETAIL
SCALE: 1-1/2" = 1'-0"



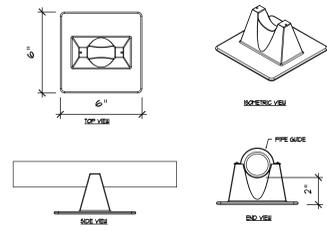
4 TYPICAL ROOF EDGE DETAIL
SCALE: 1-1/2" = 1'-0"

REV.	DATE	ITEM

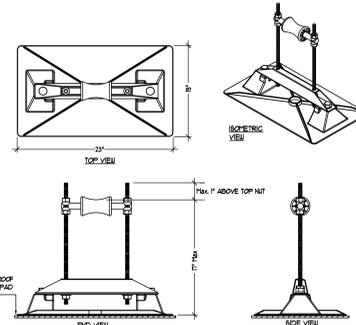
NOTICE
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KEY PLAN
NOT TO SCALE

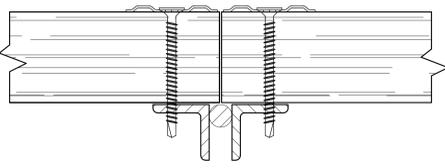


5 ELECTRICAL CONDUIT SUPPORT DETAIL
AS REQUIRED SCALE: NONE

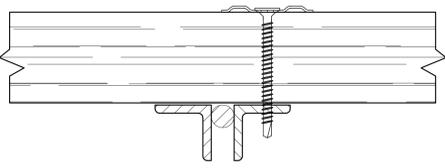


6 GAS PIPE SUPPORT DETAIL
AS REQUIRED SCALE: NONE

TECTUM ROOF DECK REFASTENING NOTE:
AFTER EXISTING ROOFING MEMBRANE / INSULATION HAS BEEN REMOVED DOWN TO EXISTING TECTUM DECK, ROOFING CONTRACTOR SHALL BE RESPONSIBLE TO REFASTEN EXISTING TECTUM DECKING PLANKS TO EXISTING ROOF JOISTS, BEAMS, ETC. USING FASTENERS AND FASTENING PATTERNS AS DESCRIBED IN THESE DETAILS. SEE SPECIFICATIONS FOR ADD'L INFO.

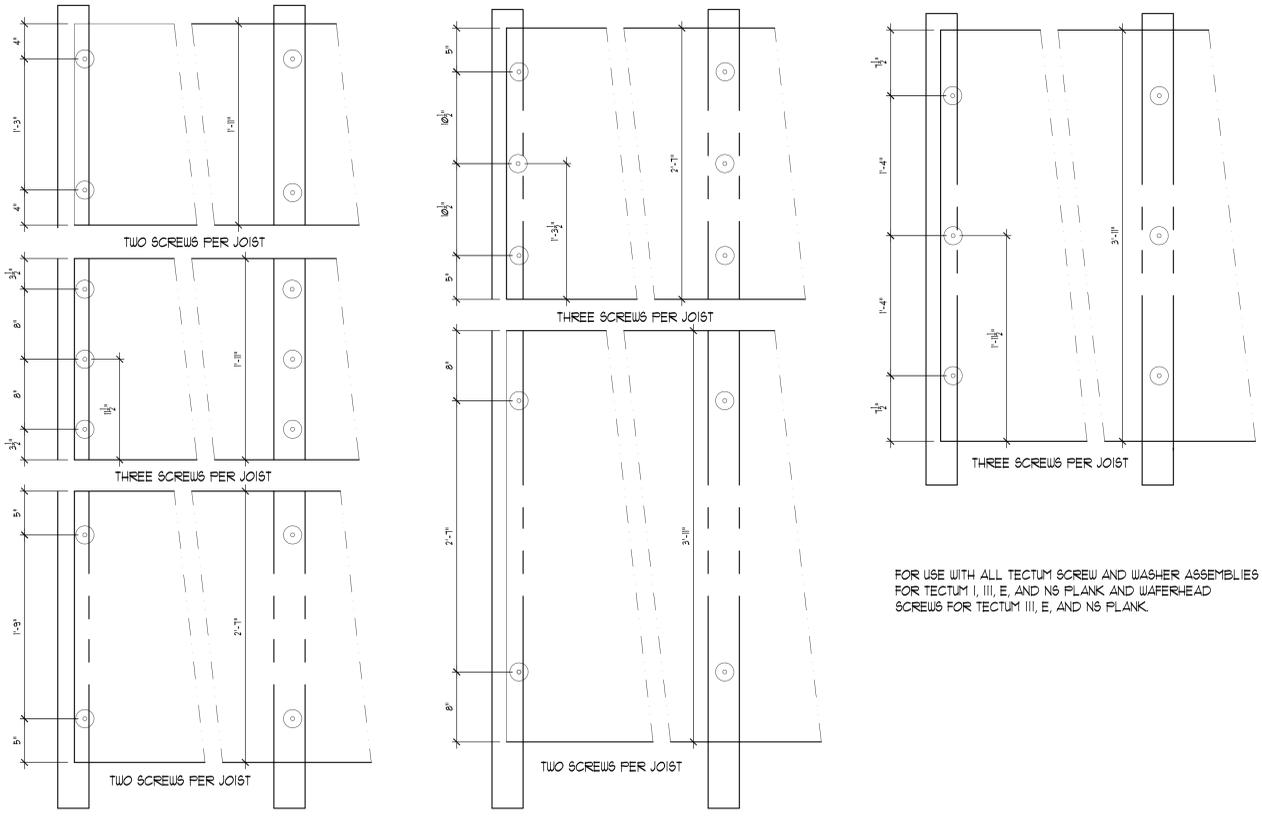


TECTUM I DECK USES EITHER DEKFAST 14 SCREWS OR 8-25 SELF-DRILLING SCREWS. A 2" DIAMETER WASHER IS REQUIRED.



ONE ROW OF SCREWS IS REQUIRED AT INTER-MEDIATE SUPPORTS.

TECTUM DECK OVER STEEL
NOT TO SCALE



THE LOCATION OF ATTACHMENT SCREWS FOR TECTUM ROOF DECK PRODUCTS IS OFTEN VARIED. THIS DRAWING GIVES TECTUM INC. RECOMMENDED LOCATIONS. IT SHOULD BE NOTED THAT THE SCREWS ARE NOT PLACED AT THE EDGE OF THE PANELS BUT ARE SPACED IN FROM THE EDGE DEPENDING ON THE WIDTH OF THE PANELS AND THE NUMBER OF SCREWS PER JOIST. SPECIAL APPLICATIONS MAY REQUIRE SOME MODIFICATION OF THE SPACING SHOWN.

STANDARD SCREW SPACING FOR TECTUM PLANK SYSTEMS
NOT TO SCALE

1 TECTUM DECK REFASTENING DETAILS
SCALE: N.T.S.

PROJECT
GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
HIGHVIEW ELEMENTARY SCHOOL
HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
ROOF DETAILS

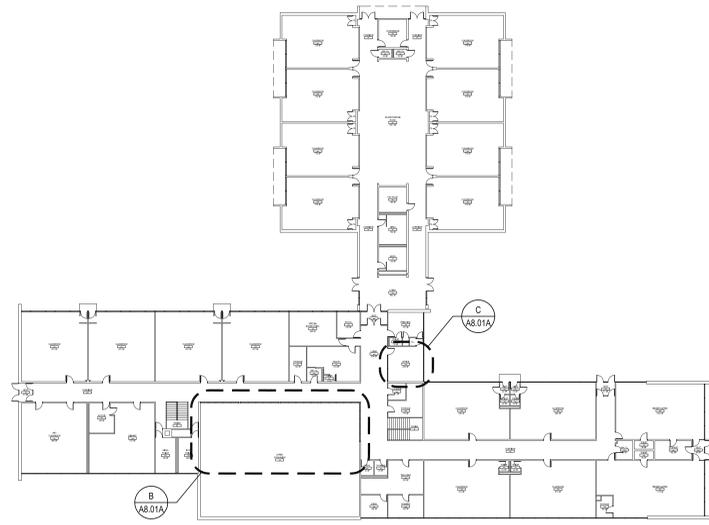
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PATCHOGUE | ALBANY
NEW YORK 11772 | NEW YORK 12205
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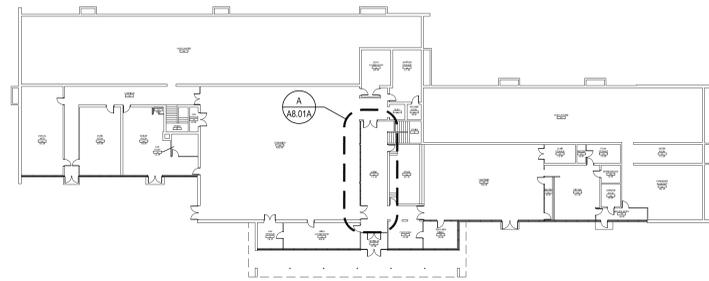
SED No: 66-04-07-06-0-002-013
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS HIGHVIEW E.S.
DWG TITLE: ROOF DETAILS
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-288

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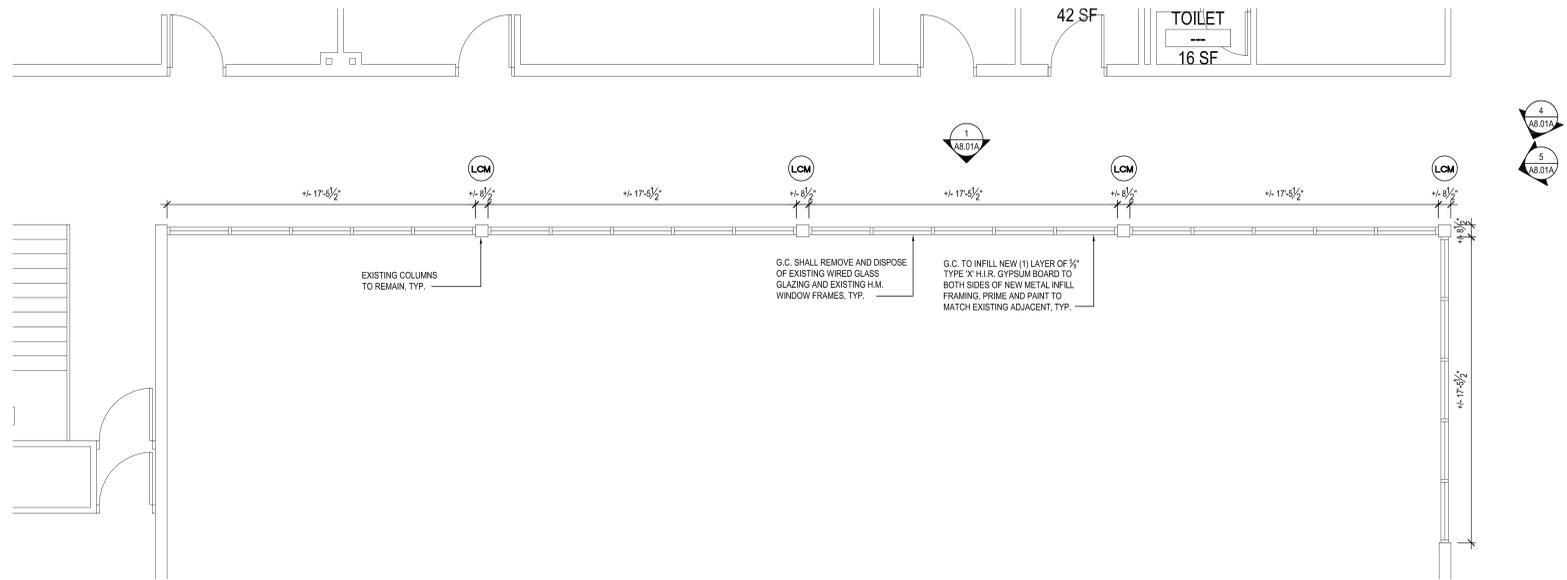
WINDOW AND INFILL PANEL REPLACEMENT UPPER LEVEL KEY PLAN

SCALE: 1/32" = 1'-0"



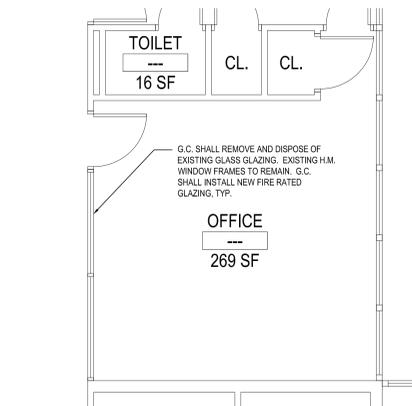
WINDOW AND INFILL PANEL REPLACEMENT LOWER LEVEL KEY PLAN

SCALE: 1/32" = 1'-0"



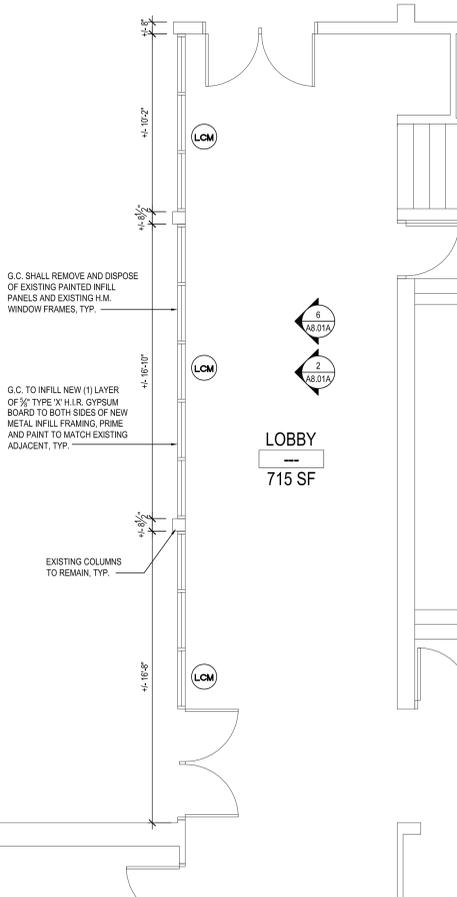
PROPOSED WINDOW REPLACEMENT PLAN

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



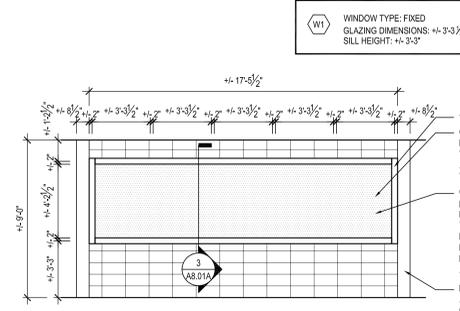
PROPOSED GLAZING REPLACEMENT PLAN

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



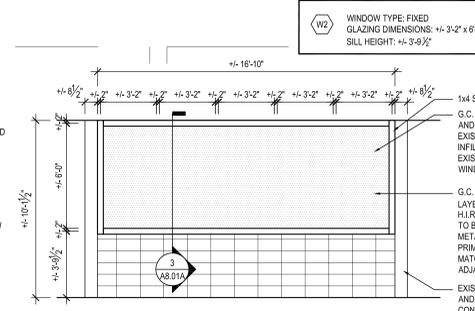
PROPOSED INFILL PANEL REPLACEMENT PLAN

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



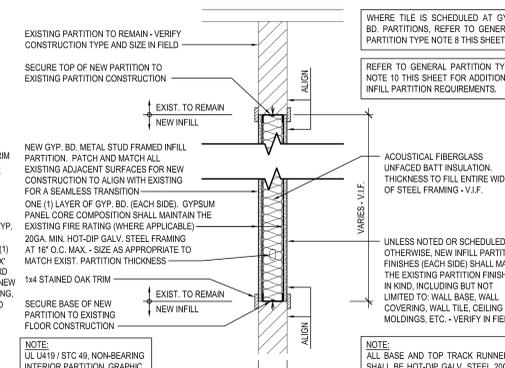
TYPICAL UPPER GYM WALL REPLACEMENT ELEVATION

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



TYPICAL LOWER GYM PANEL REPLACEMENT ELEVATION

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



GYP. BD. METAL STUD INFILL PARTITION

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



UPPER GYM WALL PHOTO

SCALE: N.T.S.



UPPER GYM WALL PHOTO

SCALE: N.T.S.



LOWER GYM WALL PHOTO

SCALE: N.T.S.

LEAD CONTAINING NOTES

CONTRACTOR SHALL NOTE THAT LEAD PAINT EXISTS ON THE EXISTING LOWER LEVEL - LOBBY GYMNASIUM METAL DOOR FRAMES, METAL GLASS PARTITIONS, AND METAL HEADS (GREEN/WHITE). REFER TO SPECIFICATIONS FOR PROTOCOL ON REMOVALS AND IMPACT ON NEW WORK SCOPE.

NOTES: MATERIALS IDENTIFIED ABOVE SHOULD BE CONSIDERED LEAD CONTAINING IN THE AREAS INDICATED AS WELL AS WHERE EVER THEY EXIST THROUGHOUT THE STRUCTURE. DESIGNATED KEYNOTES INDICATE MATERIALS TO BE REMOVED AND PROPERLY DISPOSED OF UNDER THIS PROJECT. REFER TO PRE CONSTRUCTION LEAD MATERIALS INSPECTION, SAMPLING REPORT, AND LEAD WORK SAFE PLAN SPECIFICATION 02090 FOR ABATEMENT PROCEDURES AND LEGAL REMOVAL AND DISPOSAL REQUIREMENTS. REFER TO ENVIRONMENTAL CONSULTANTS REPORT FOR PROJECT # 21819, CONTAINED WITHIN THE PROJECT MANUAL FOR LEAD-BASED PAINT INSPECTION DATA & APPENDIX C FOR LEAD XRF TEST RESULTS FOR PROJECT-SPECIFIC DATA.

GENERAL PARTITION TYPE NOTES:

- ALL PARTITIONS SHALL EXTEND TO UNDERSIDE OF A FLOOR SLAB OR ROOF DECK UNLESS OTHERWISE NOTED.
- AT ALL PARTITIONS THAT ARE DESIGNATED TO BE FIRE RATED PARTITIONS, PROVIDE CONTINUOUS SMOKE AND FIRESTOPPING SEALANT AT TOPS OF PARTITIONS; AT ALL PENETRATIONS THROUGH RATED PARTITIONS, AND FIRE SHING JOINT FILLER AT PARTITION TO SLAB/DECK JUNCTION.
- REFER TO CODE COMPLIANCE DRAWINGS FOR LOCATIONS OF ALL FIRE RATED PARTITIONS/ASSEMBLIES AND ADDITIONAL FIRE-RATING INFORMATION.
- ALL PARTITIONS SHALL BE FINISHED AS SCHEDULED. ALL FINISHES SHALL BE CONTINUOUS AT ALL PARTITION FACES UNLESS NOTED OTHERWISE. REFER TO A9-SERIES FOR ADDITIONAL FINISH INFORMATION.
- ALL NEW PARTITIONS SHALL BE PREPPED, PRIMED AND PAINTED, PER SPECIFICATION SECTION 0900.
- REFER TO THE PROJECT MANUAL FOR CONTROL AND EXPANSION JOINT REQUIREMENTS FOR ALL MASONRY WALL CONSTRUCTION, GYP. BD. WALL CONSTRUCTION, GYP. BD. LAMINATION, AND PLASTER SURFACING.
- REFER TO SPECIFICATIONS FOR GYPSUM BOARD TYPE DESIGNATIONS AND APPLICABLE LOCATIONS (GYP. BD. TYPE I / TYPE II).
- WHERE METAL STUD FRAMED PARTITIONS ARE SCHEDULED TO RECEIVE NEW TILE FINISHES; THE CONTRACTOR SHALL MAINTAIN AND MATCH THE EXISTING PARTITION'S FIRE RATINGS FOR CONTINUITY OF FIRE AND SMOKE PROTECTION - CONTRACTOR TO VERIFY IN FIELD (1-HR MIN. RATING AT CORRIDORS). REFER TO CODE COMPLIANCE DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL NEW OPENINGS IN METAL STUD PARTITIONS, INCLUDING BUT NOT LIMITED TO DOORS AND WINDOWS, SHALL RECEIVE THE APPROPRIATE HEADER AS DESIGNED BY THE LIGHT GAUGE FRAMING MANUFACTURER.
- WHERE EXISTING OPENINGS IN EXISTING PARTITIONS ARE SCHEDULED TO BE INFILLED, THE NEW INFILL CONSTRUCTION SHALL MAINTAIN AND MATCH THE EXISTING PARTITION'S FIRE RATINGS FOR CONTINUITY OF FIRE AND SMOKE PROTECTION - CONTRACTOR TO VERIFY IN FIELD (1-HR MIN. RATING AT CORRIDORS). REFER TO CODE COMPLIANCE DRAWINGS FOR ADDITIONAL INFORMATION.
- AT ALL LOCATIONS WHERE NEW WORK IS SCHEDULED, THE CONTRACTOR SHALL PROVIDE SOLID BLOCKING, LATERAL BRACING, AND ADDITIONAL FRAMING AS REQUIRED TO SECURE NEW PARTITIONS TO THE STRUCTURE ABOVE AND TO ACCOMMODATE ALL NEW WALL MOUNTED FIXTURES, ACCESSORIES, EQUIPMENT, ETC.
- WHERE PARTITION TYPES ARE NOT SPECIFICALLY IDENTIFIED IN PLAN, IT IS THE INTENT THAT THE GRAPHICALLY INDICATED WALL TYPE SHALL BE CONTIGUOUS UNTIL INTERRUPTED BY ANOTHER SPECIFIED WALL TYPE.

PAINT TYPES
TYPE P1: PAINT BY SHERWIN WILLIAMS, DTM ALKOY SEMI-GLOSS ENAMEL. COLOR: TO BE SELECTED BY ARCHITECT (1-HR WINDOW FRAMES AND GYP. BD.)

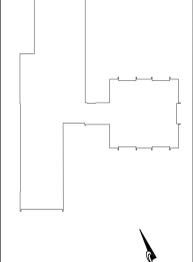
NOTE: ALL DIMENSIONS GIVEN ARE +/- AND ARE TO BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION OF NEW PANELS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY ARCHITECT PRIOR TO FABRICATION AND INSTALLATION OF NEW WORK.

DEMOLITION and REMOVAL NOTES

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

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

**GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
HIGHVIEW ELEMENTARY SCHOOL
HARTSDALE, NEW YORK - WESTCHESTER COUNTY**

**DEMOLITION and PROPOSED
WINDOW and INFILL PANEL REPLACEMENTS**

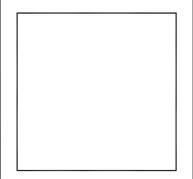
PROJECT
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DWG TITLE
DEMOLITION and PROPOSED WINDOW and INFILL PANEL REPLACEMENTS

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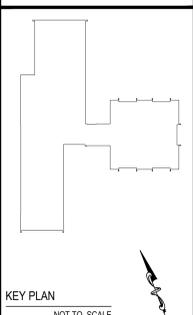


SED No: 66-04-07-06-0-002-013
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS HIGHVIEW E.S.
DWG TITLE: DEMO AND PROPOSED WINDOW AND INFILL PANELS
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-288

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REV.	DATE	ITEM

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NOT TO SCALE

GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
HIGHVIEW ELEMENTARY SCHOOL
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY
MECHANICAL GENERAL NOTES AND SYMBOLS

PROJECT
 DWG TITLE

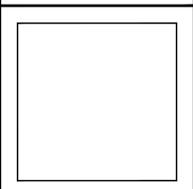
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 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS HIGHVIEW E.S.
 DWG TITLE: MECHANICAL GENERAL NOTES AND SYMBOLS
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-288

M0.01A

GENERAL NOTES

- REMOVAL & RELOCATION OF CERTAIN EXISTING WORK SHALL BE NECESSARY FOR THE PERFORMANCE OF THE NEW WORK SHOWN HEREIN. ALL EXISTING CONDITIONS ARE NOT COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE & MAKE ALL NECESSARY CHANGES BASED ON EXISTING CONDITIONS AS REQUIRED FOR PROPER DEMOLITION OF EXISTING WORK & SHALL INCLUDE ALL MATERIALS & LABOR FOR SAME IN HIS BID PRICE. NO ALLOWANCE WILL BE MADE FOR FAILURE TO DO SO.
- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL VISIT THE PREMISES OF THE PROPOSED WORK & SHALL CAREFULLY EXAMINE THE ENGINEERING DRAWINGS, EXISTING CONDITIONS & LIMITATIONS THEREOF. VERIFY ACTUAL LOCATIONS WHERE THE NEW PIPING WILL BE ROUTED, COORDINATE WITH NEW & EXISTING WORK & PROVIDE CLEARANCE W/ BUILDING STRUCTURE, OTHER SERVICES, ETC. THE CONTRACTOR SHALL INCLUDE ALL COSTS WHATSOEVER WHICH ARE INCURRED AS A RESULT OF LIMITATIONS OF THE EXISTING & NEW CONDITIONS. LATER CLAIMS FOR EXTRA LABOR, EQUIPMENT, MATERIALS, ETC. REQUIRED DUE TO DIFFICULTIES WHICH COULD HAVE BEEN FORESEEN WILL NOT BE CONSIDERED AS EXTRA WORK.
- INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE & REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHEN NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN CRATED SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AREAS AVAILABLE. ASCERTAIN FROM BUILDING OWNER AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH THE BUILDING.
- COORDINATE THE EXACT SIZE & LOCATION OF NEW OPENINGS WITH EXISTING STRUCTURE. PATCH / INSULATE AS REQUIRED. CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS FROM NEW PIPING, CONDUIT, DUCTWORK, ETC. THROUGH EXISTING OR NEW FIRE / SMOKE BARRIERS. REFER TO SPECIFICATION SECTION 1511 FOR FURTHER DETAILS.
- IT IS THE INTENT OF THIS CONTRACT FOR REMAINING SYSTEMS TO BE LEFT IN GOOD WORKING ORDER, READY FOR OPERATION. COORDINATE ANY REQUIRED SYSTEM SHUTDOWNS WITH OWNER 48 HOURS IN ADVANCE. EXISTING SYSTEM SHUTDOWNS WILL NOT BE PERMITTED IF THEY INTERFERE WITH THE DAILY OPERATIONS OF THE BUILDING. CONTRACTOR WILL BE REQUIRED TO TAKE PROPER PRECAUTIONS AGAINST DAMAGING OR DISRUPTING BUILDING SYSTEMS, WIRING, PIPING OR CONTROL TUBING. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AT THE CONTRACTORS COST AS A PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL REPAIR / RESTORE TO ORIGINAL CONDITION ANY EXISTING EQUIPMENT OR MATERIALS DAMAGED IN THE PROCESS OF INSTALLATION, OR DEMOLITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL MAKE REPAIRS USING THE SAME OR EQUIVALENT MATERIALS. WORK WILL BE PERFORMED AT THE CONTRACTORS COST.
- CONTRACTOR SHALL INCUR ANY COSTS OR BURDENS ASSOCIATED WITH LOST OR STOLEN EQUIPMENT / MATERIALS.
- DURING THE LIFE OF THE CONTRACT PERIOD, CONTRACTOR SHALL REMOVE ALL RUBBISH / EXCESS MATERIAL ACCUMULATED AS A RESULT OF HIS OPERATIONS ON A DAILY BASIS. ALL AREAS / EQUIPMENT AFFECTED UNDER THIS CONTRACT SHALL BE KEPT CLEAN OF DUST / DEBRIS. ALL AREAS SHALL RECEIVE A FINAL CLEANING PRIOR TO FINAL ACCEPTANCE BY THE OWNER.
- PROVIDE FOR LEGAL REMOVAL / DISPOSAL OF ALL RUBBISH / DEBRIS FROM THE BUILDING & SITE. PROTECT ALL WORK NOT SLATED FOR DEMOLITION.
- THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO SCHEDULING THE WORK. WORK SHALL BE PERFORMED IN PROPER SEQUENCE, AS AGREED TO BY ALL TRADES. ANY COSTS INCURRED BY THE OWNER DUE TO IMPROPER SEQUENCING OF WORK WILL BE PAID FOR BY THIS CONTRACTOR.
- CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY ALL FEES, CONNECTION CHARGES, ETC. ASSOCIATED WITH THE WORK UNDER THEIR CONTRACT.
- PAINT / TOUCH UP ALL SURFACES MARRED AS A RESULT OF THE PERFORMANCE OF THE CONTRACT WORK.
- THE MECHANICAL CONTRACTOR SHALL REFER TO / REVIEW ALL OTHER TRADE DRAWINGS IN THE BID PACKAGE & SHALL BE RESPONSIBLE FOR PERFORM ALL WORK INDICATED AS (M.C.) MECHANICAL WORK AS A PART OF THE BASE BID UNLESS SPECIALLY NOTED OTHERWISE.
- SUBSTITUTED EQUIPMENT OF GREATER OR LARGER POWER, DIMENSIONS, CAPACITIES & RATINGS MAY BE FURNISHED PROVIDED THAT SAID EQUIPMENT IS APPROVED IN WRITING PRIOR TO ORDER. ANY CONNECTING MECHANICAL SERVICES, ELECTRICAL SERVICES, BASES, STRUCTURAL APPURTENANCES, ETC. REQUIRED TO BE INCREASED DUE TO THE USE OF SAID EQUIPMENT WILL BE PAID FOR IN FULL BY THE MECHANICAL CONTRACTOR, INCLUDING ANY ADDITIONAL REQUIRED ENGINEERING FEES.
- EACH PIECE OF EQUIPMENT SHALL BE PROVIDED WITH A PERMANENT TYPE LAMINATED, BLACK FINISH, WHITE CORE, PHENOLIC NAMEPLATE. NAMEPLATES SHOULD INDICATE THE NAME & NUMBER OF THE UNIT, UNIT VOLTAGE, & ANY INTERLOCK REFERENCE. STARTERS / DISCONNECT SWITCHES SHOULD ALSO BE EQUIPPED WITH AN IDENTICAL NAMEPLATE WITH THE SAME INFORMATION.
- "ATTIC STOCK" - UPON COMPLETION OF THE PROJECT, MECHANICAL CONTRACTOR SHALL COMPLETELY REMOVE / DISPOSE OF FILTERS USED DURING CONSTRUCTION & START-UP PROCEDURES. INSTALL NEW FILTERS IN ALL EQUIPMENT, MERV-8 OR BETTER UPON TURN OVER OF THE PROJECT TO THE OWNER. IN ADDITION, PROVIDE (2) COMPLETE SETS OF FILTERS FOR EACH PIECE OF EQUIPMENT & TURN OVER TO OWNER.
- MECHANICAL CONTRACTOR SHALL PROVIDE (1) SPARE MOTOR FOR EACH SIZE MOTOR USED ON THE PROJECT. IN INSTANCES WHERE MORE THAN TEN OF THE SAME MOTOR ARE USED, MECHANICAL CONTRACTOR SHALL PROVIDE (1) SPARE MOTOR FOR EVERY TEN MOTORS OF A GIVEN SIZE USED ON THE PROJECT.
- MAINTENANCE MANUAL: UPON COMPLETION OF THE PROJECT, THE MECHANICAL CONTRACTOR SHALL PROVIDE A BINDER CONTAINING THE OPERATIONS & MAINTENANCE MANUALS FOR EACH NEW PIECE OF EQUIPMENT INSTALLED UNDER THIS PROJECT. THE FIRST SECTION OF THE MAINTENANCE MANUAL SHALL CONTAIN A LIST OF EACH PIECE OF EQUIPMENT, COMPLETE WITH INFORMATION SHOWING APPROPRIATE REPLACEMENT FILTER SIZES / TYPES, APPROPRIATE REPLACEMENT BELT SPECIFICATIONS, REPLACEMENT MOTOR SPECIFICATIONS, REPLACEMENT BEARING SPECIFICATIONS, VOLTAGES OF UNIT, ETC. THIS SHALL SERVE AS A WRITTEN DATABASE DESCRIBING ALL MAINTENANCE INFORMATION FOR EACH NEW PIECE OF EQUIPMENT USED.

CONTROLS SUBCONTRACTOR, UNDER CONTRACT TO MECHANICAL CONTRACTOR

FIRE STOPPING NOTES

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

GENERAL INSTRUMENTATION NOTES

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

PIPING SYSTEMS AND EQUIPMENT VENTING NOTES

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

ELECTRICAL WORK UNDER MECHANICAL CONTRACT

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

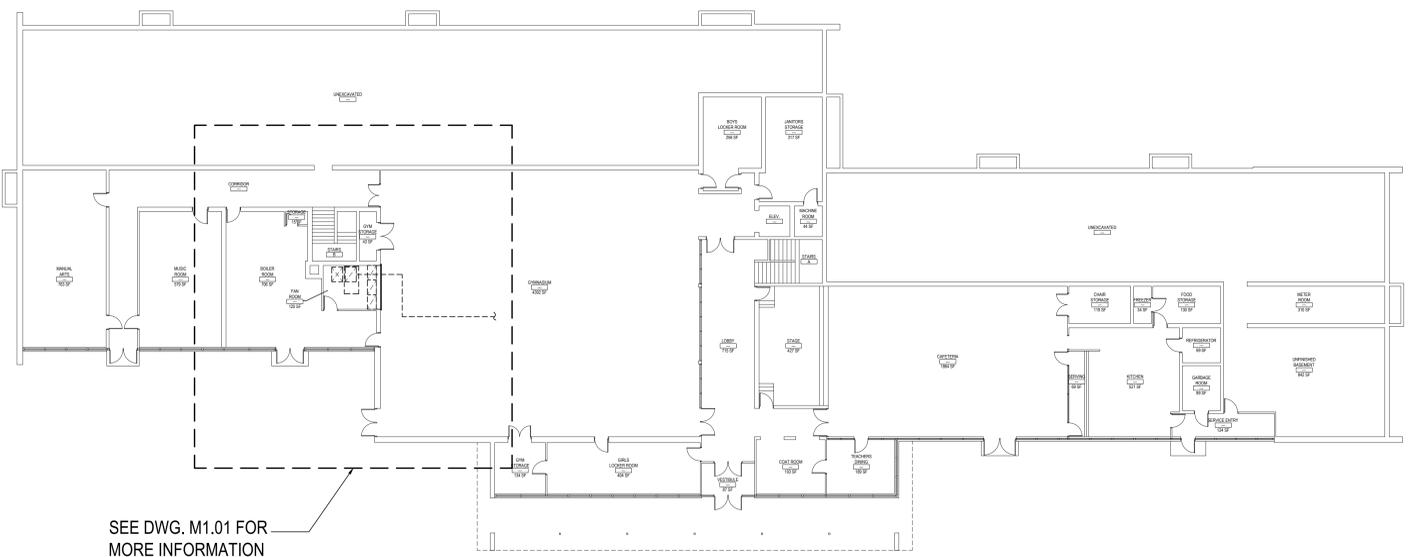
DUCTWORK NOTES

- PROVIDE ALL NEW DUCTWORK AS SHOWN AND SPECIFIED UNDER SPECIFICATION SECTION 015891, AND IN CONFORMANCE WITH "SMACNA" SPECIFICATIONS.
- IF A DUCT ELBOW IS SHOWN TO BE RADIUS, THEN RADIUS ELBOWS SHALL BE INSTALLED. SQUARE ELBOWS MAY NOT BE SUBSTITUTED WHERE RADIUS ELBOWS ARE SHOWN. WHERE SQUARE ELBOWS ARE SHOWN, TURNING VANES SHALL BE INSTALLED UPON APPROVAL BY THE ENGINEER.
- PROVIDE DUCT LINING IN ALL DUCTWORK THAT IS CONVEYING BELOW AMBIENT TEMPERATURE AIR & IS NOT INSULATED. PROVIDE LINING IN SUPPLY & RETURN AIR DUCTWORK FROM AIR HANDLING EQUIPMENT TO 20 FEET AWAY FROM THE UNITS). IN ADDITION, INCLUDE LINING IN ANY OTHER DUCT SPECIALLY SHOWN OR SPECIFIED TO BE EQUIPPED WITH LINING. REFER TO SPECIFICATION SECTION 15891 & 15290 FOR FURTHER INFORMATION.
- WHERE FLEXIBLE DUCTWORK IS USED, LENGTHS MAY NOT EXCEED 4 FEET TOTAL IN ANY ONE RUN OF FLEXIBLE DUCTWORK. FLEXIBLE DUCTWORK SHALL BE RATED IN ACCORDANCE WITH UL 181, CLASS 1. REFER TO SPECIFICATION SECTION 15891 FOR FURTHER INFORMATION.
- MECHANICAL CONTRACTOR SHALL PROVIDE A BUTTERFLY TYPE VOLUME DAMPER WITH LOCKING QUADRANT HANDLE PRIOR TO EACH AIR OUTLET SHOWN. INSTALL DAMPER AT LEAST 5 FEET AWAY FROM AIR OUTLET WHEREVER POSSIBLE.
- MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE DUCT CONNECTIONS WHERE DUCT SYSTEMS CONNECT TO EQUIPMENT. REFER TO SPECIFICATION SECTION 15891 FOR FURTHER INFORMATION.

TESTING and BALANCING NOTES

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

CONTRACTOR ABBREVIATIONS:
 M.C. = MECHANICAL CONTRACTOR
 C.C. = CONTROLS CONTRACTOR
 R.C. = CERTIFIED ROOFING CONTRACTOR
 P.C. = PLUMBING CONTRACTOR
 E.C. = ELECTRICAL CONTRACTOR

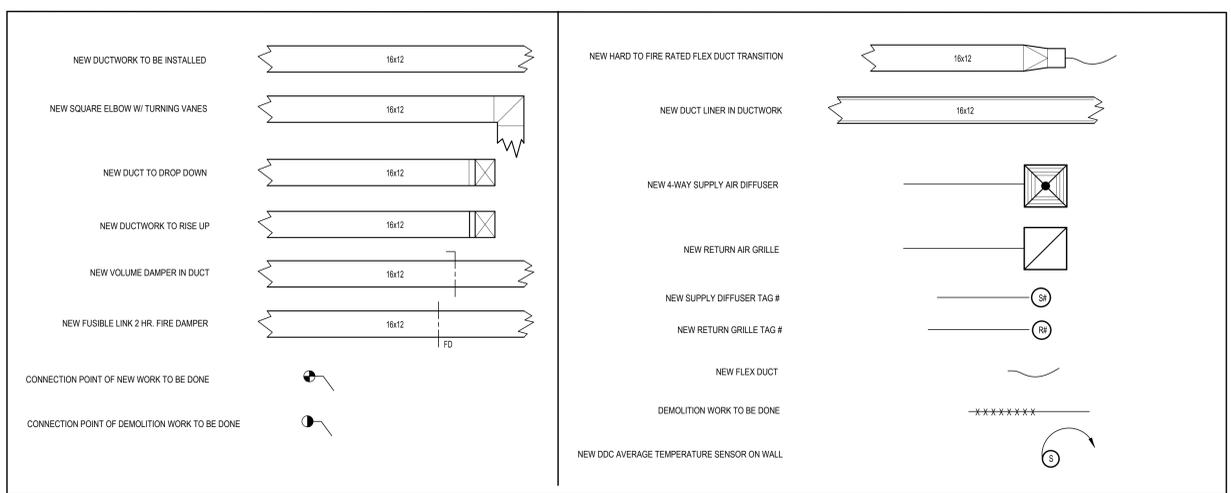


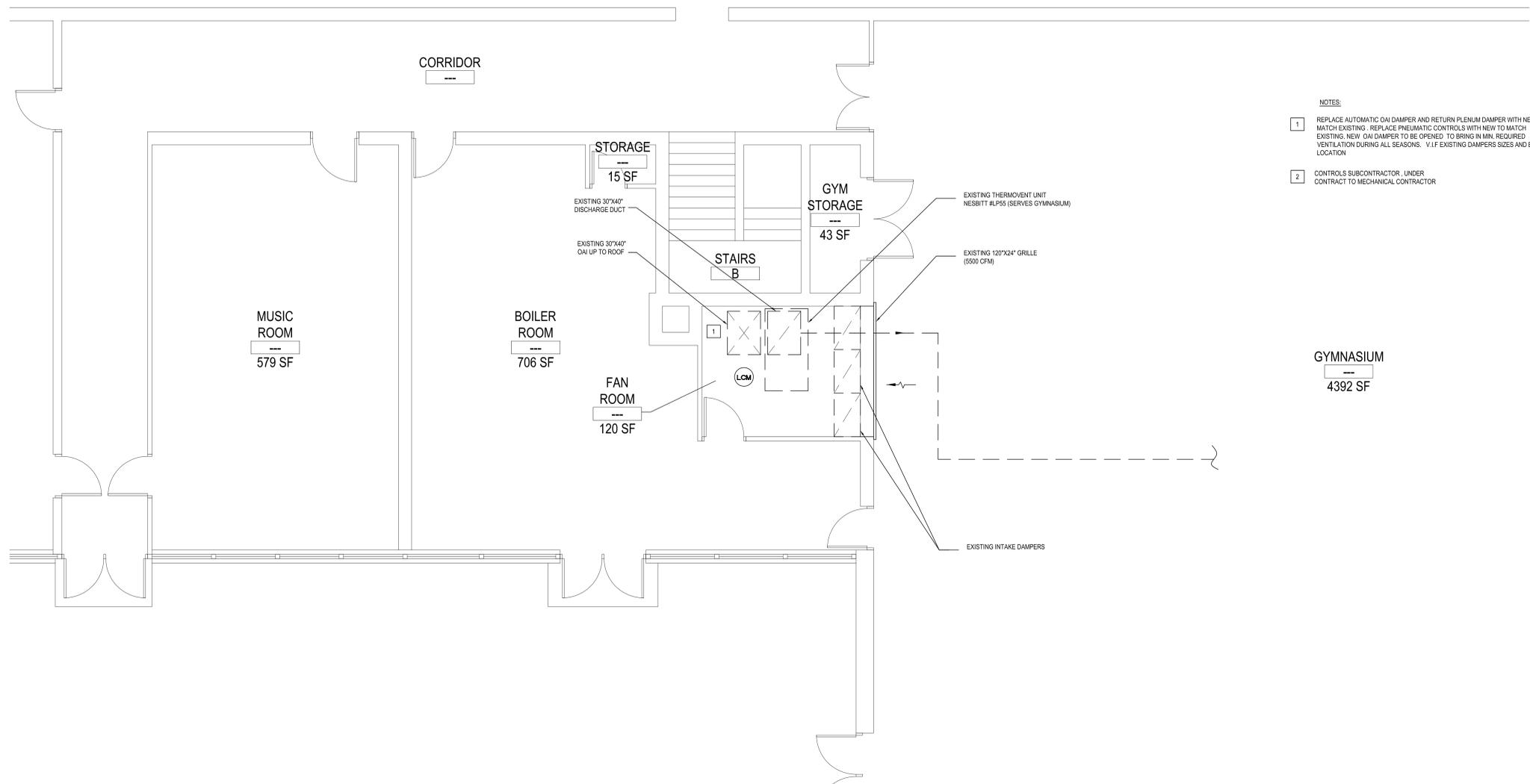
SEE DWG. M1.01 FOR MORE INFORMATION

MECHANICAL LOWER FLOOR KEY PLAN

SCALE: 1/32" = 1'-0"

MECHANICAL LEGEND, SYMBOLS, AND ABBREVIATIONS





- NOTES:**
- 1 REPLACE AUTOMATIC OAI DAMPER AND RETURN PLENUM DAMPER WITH NEW TO MATCH EXISTING. REPLACE PNEUMATIC CONTROLS WITH NEW TO MATCH EXISTING. NEW OAI DAMPER TO BE OPENED TO BRING IN MIN. REQUIRED VENTILATION DURING ALL SEASONS. V.I.F. EXISTING DAMPERS SIZES AND EXACT LOCATION
 - 2 CONTROLS SUBCONTRACTOR, UNDER CONTRACT TO MECHANICAL CONTRACTOR

LEAD CONTAINING NOTES

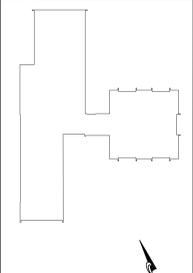
LCM CONTRACTOR SHALL NOTE THAT LEAD PAINT EXISTS ON THE EXISTING LOWER LEVEL - LOBBY/ GYMNASIUM METAL DOOR FRAMES, METAL GLASS PARTITIONS, AND METAL MIRRORS (GREEN/WHITE). REFER TO SPECIFICATIONS FOR PROTOCOL ON REMOVALS AND IMPACT ON NEW WORK SCOPE.

NOTES:
MATERIALS IDENTIFIED ABOVE SHOULD BE CONSIDERED LEAD CONTAINING IN THE AREAS INDICATED AS WELL AS WHERE EVER THEY EXIST THROUGHOUT THE STRUCTURE.

DESIGNATED KEYNOTES INDICATE MATERIALS TO BE REMOVED AND PROPERLY DISPOSED OF UNDER THIS PROJECT. REFER TO PRE CONSTRUCTION LEAD MATERIALS INSPECTION, SAMPLING REPORT, AND LEAD WORK SAFE PLAN SPECIFICATION (2000) FOR ABAITEMENT PROCEDURES AND LEGAL REMOVAL AND DISPOSAL REQUIREMENTS. REFER TO ENVIRONMENTAL CONSULTANTS REPORT FOR PROJECT #21819, CONTAINED WITHIN THE PROJECT MANUAL FOR LEAD-BASED PAINT INSPECTION DATA & APPENDIX C FOR LEAD XRF TEST RESULTS FOR PROJECT-SPECIFIC DATA.

REV.	DATE	ITEM

NOTICE
THESE DRAWINGS ARE BASED ON CONSTRUCTION DRAWINGS NOT PREPARED BY BBS ARCHITECTS, LANDSCAPE ARCHITECTS AND ENGINEERS, P.C. AND, THEREFORE, MAY NOT REPRESENT THE CONDITIONS AS CONSTRUCTED AT THE TIME. ALL EXISTING CONDITIONS SHOWN ARE REPRESENTED AS SUGGESTED INFORMATION AS THEY HAVE NOT BEEN FULLY AND DETAILD PER THE ORIGINAL DOCUMENTS OR PER THE OWNER'S INFORMATION.



KEY PLAN
NOT TO SCALE

PROJECT
GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
HIGHVIEW ELEMENTARY SCHOOL
HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
MECHANICAL LOWER FLOOR PART PLAN

DRAWING BY: DS
CHECK BY: DS

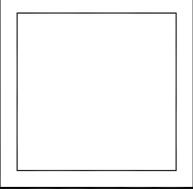
NOTICE
THIS DRAWING, PREPARED FOR THE SPECIFIC PROJECT INDICATED IS AN INSTRUMENT OF SERVICE AND THE PROPERTY OF BBS ARCHITECTS, LANDSCAPE ARCHITECTS AND ENGINEERS, P.C. IMPROVEMENT OR ANY USE OF THIS DRAWING FOR ANY OTHER PROJECT IS PROHIBITED. ANY ALTERATION OR REPRODUCTION OF THIS DOCUMENT IS ALSO PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR ENGINEER.

BBS
ARCHITECTS
LANDSCAPE ARCHITECTS
ENGINEERS

244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
PATERBORO, NJ 07048 | ALBANY, NY 12205
NEW YORK 11772 | NEW YORK 12205
T. 631.475.0349 | T. 518.621.7650
F. 631.475.0361 | F. 518.621.7655

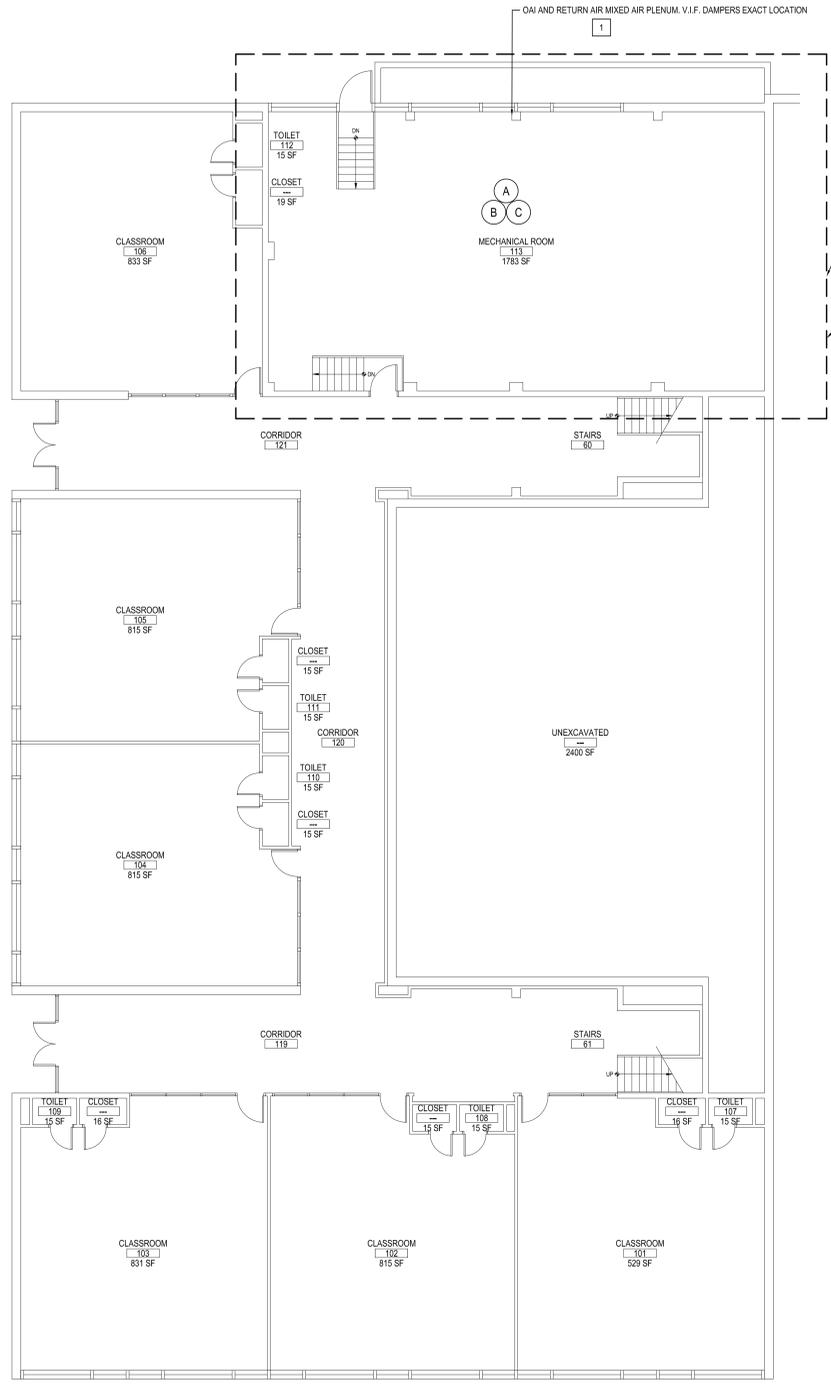
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MECHANICAL LOWER FLOOR PART PLAN
SCALE: 1/4" = 1'-0"



SED No: 66-04-07-06-0-002-013
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS HIGHVIEW E.S.
DWG TITLE: MECHANICAL LOWER FLOOR PART PLAN
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-288

M1.01A



MECHANICAL GROUND FLOOR PLAN
SCALE: 1/32" = 1'-0"

GENERAL NOTES

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

PRE-ABATEMENT WORK NOTES:

- THE CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATIONS OF PERSONAL AND WASTE DECONTAMINATION ENCLOSURES, PICK UP AREA FOR REFUSE AND ASBESTOS DEBRIS, THESE LOCATIONS SHALL BE REVIEWED AND PROPERLY APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF WORK. THIS CONTRACTOR SHALL ESTABLISH LABEL AND MAINTAIN PROPER EXITS AND WAYS OF DEPARTURE WITHIN EACH WORK AREA FOR NORMAL AND EMERGENCY USE BY WORKERS DURING ALL ABATEMENT.

POST-ABATEMENT WORK NOTES:

- THE CONTRACTOR SHALL PROVIDE RECORDS OF ALL HAZARDOUS MATERIALS REMOVED FROM THE SITE.

ABATEMENT NOTES

- A** REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING ELBOWS TO ORIGINAL FIBERGLASS PIPE INSULATION WHITE. AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN BOILER ROOM. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.
- B** REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING ROPE INSULATION TO DUCT HATCH WHITE. AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN BOILER ROOM. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.
- C** REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING MASTIC TO FIBERGLASS DUCT INSULATION CLAMPS, BROWN. AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN BOILER ROOM. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.

NOTES:
REFER TO ENVIROSCIENCE CONSULTANTS, REPORT FOR PROJECT # 21819, CONTAINED WITHIN THE PROJECT MANUAL, FOR ALL PRECONSTRUCTION SURVEY, BULK SAMPLING AND ANALYSIS OF SUSPECT/ASSUMED ASBESTOS CONSTRUCTION MATERIALS; G.C. TO COORDINATE WITH ENVIROSCIENCE FOR PROJECT-SPECIFIC ABATEMENT & DISPOSAL PROTOCOL, REQUIRED.

CONTRACTOR ABBREVIATIONS:

M.C. = MECHANICAL CONTRACTOR	P.C. = PLUMBING CONTRACTOR
C.C. = CONTROLS CONTRACTOR	E.C. = ELECTRICAL CONTRACTOR
R.C. = CERTIFIED ROOFING CONTRACTOR	

FIRE STOPPING NOTES

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

GENERAL INSTRUMENTATION NOTES

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

ELECTRICAL WORK UNDER MECHANICAL CONTRACT

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

TESTING and BALANCING NOTES

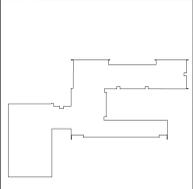
- MECHANICAL CONTRACTOR WILL BE REQUIRED TO PERFORM ALL EQUIPMENT & SYSTEM TESTING / BALANCING REQUIRED UNDER THIS CONTRACT. PROVIDE A FULL REPORT DETAILING ALL DESIGN & ACTUAL CONDITIONS FOR ALL AIR & HYDRONIC SYSTEMS SHOWN ON THE DRAWINGS. REFER TO SPECIFICATION SECTIONS 15990 & 15997 FOR FURTHER DETAILS.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

LEAD CONTAINING NOTES

NONE OF THE BUILDING MATERIALS AFFECTED BY THE SCOPE OF WORK WERE FOUND TO BE LEAD CONTAINING. PLEASE SEE TEST RESULTS AND REPORT BY ENVIROSCIENCE CONSULTANTS, REPORT FOR PROJECT # 21819, CONTAINED WITHIN THE PROJECT MANUAL, FOR ALL PRECONSTRUCTION SURVEY, BULK SAMPLING AND ANALYSIS OF SUSPECT/ASSUMED LEAD CONTAINING CONSTRUCTION MATERIALS.

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 LEE F. JACKSON ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY
 MECHANICAL GENERAL NOTES AND SYMBOLS

PROJECT
DRAWING BY: DS
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NOTICE
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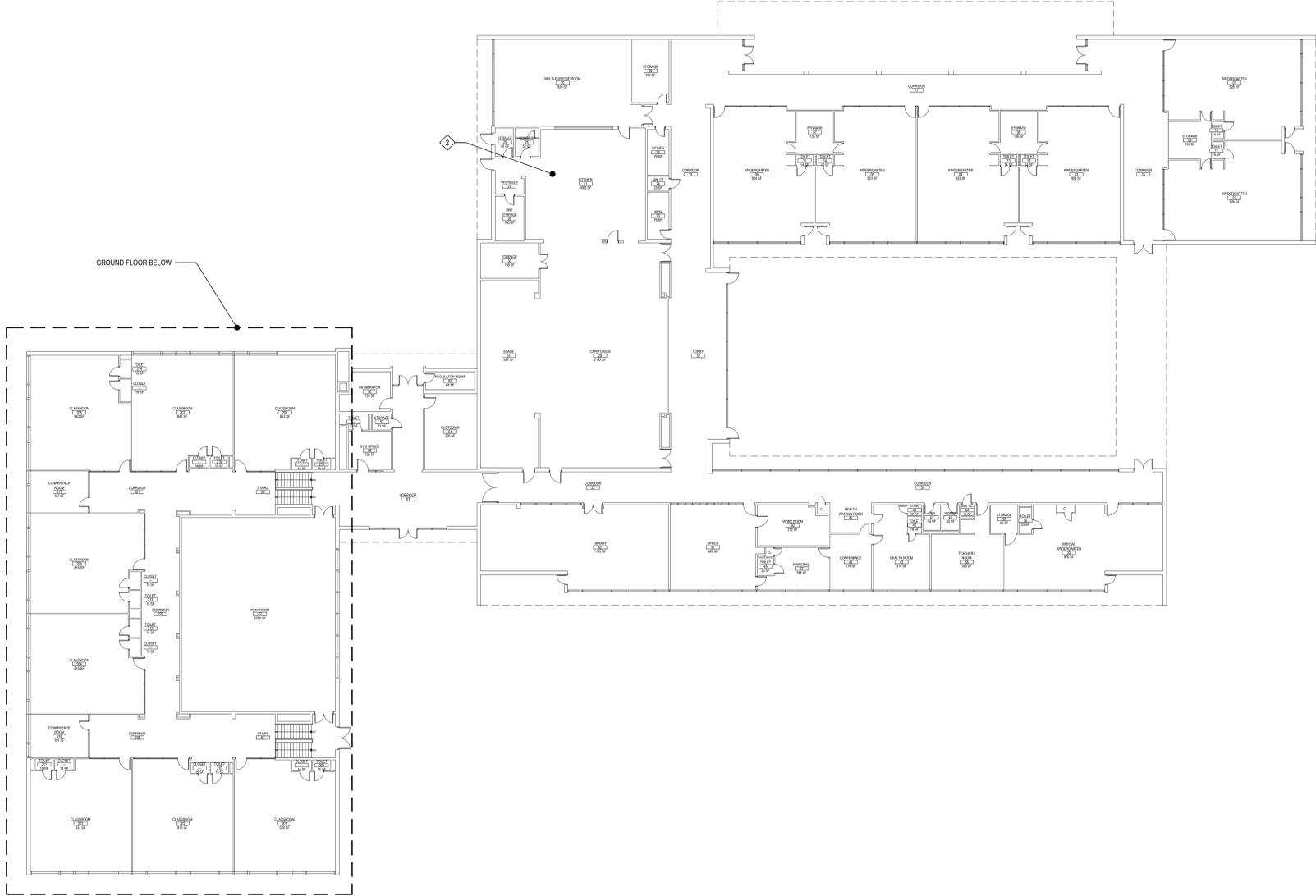
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ARCHITECTS
LANDSCAPE ARCHITECTS
ENGINEERS
244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
PATCHOGUE, ALBANY
NEW YORK 11772 | NEW YORK 12205
T. 631.475.0349 | T. 518.621.7650
F. 631.475.0361 | F. 518.621.7655
www.bbsarchitect.com

SED No: 66-04-07-06-0-006-011
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS LEE F. JACKSON E.S.
DWG TITLE: MECHANICAL GENERAL NOTES AND SYMBOLS
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-289

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GENERAL CONSTRUCTION NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEC, APPLICABLE LOCAL CODES, STATE CODES, SCHOOL WORKING RULES AND SCHEDULE DIRECTIVES, AND THE ENGINEER'S SPECIFICATIONS.
2. THE VOLTAGE CHARACTERISTIC OF THIS SCHOOL IS 120/208VAC, 4 WIRE, 3PH, GROUNDING NEUTRAL, WYE. ALL EQUIPMENT SHALL BE COMPATIBLE WITH THESE CHARACTERISTICS.
3. THE DRAWINGS SHOW SCHEMATICALLY THE APPROXIMATE LOCATION OF ALL EQUIPMENT, CONDUITS, DEVICES, ETC. THE EXACT LOCATION OF WHICH SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER WHO RESERVES THE RIGHT TO MAKE PRIOR TO INSTALLATION, ANY REASONABLE CHANGES IN LOCATION INDICATED WITHOUT EXTRA COST TO THE OWNER. CONTRACTOR SHALL VERIFY ALL INDICATED OR APPROXIMATED DIMENSIONS DRAWN OR DENOTED.
4. DIVISION 16 CONTRACTOR SHALL EXAMINE THE SITE TO VERIFY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING HIS BID. ANY DISCREPANCY BETWEEN DRAWINGS/SPECIFICATIONS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO ARCHITECT/ENGINEERS ATTENTION BEFORE BID SUBMITTAL. ANY FIELD CONDITION FOUND AFTER BID APPROVAL WHICH HAMPERS AND/OR PREVENTS ANY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE DIVISION 16 CONTRACTOR. THE DIVISION 16 CONTRACTOR SHALL BID THE HIGHER SPECIFICATION FOR ANY DISCREPANCY BETWEEN DRAWINGS AND SPECIFICATIONS.
5. DIVISION 16 CONTRACTOR SHALL PROVIDE ALL LABOR SERVICE MATERIALS, EQUIPMENT, AND RELATED ITEMS TO COMPLETE THE WORK OF THIS DIVISION, AS REQUIRED BY THE NATIONAL ELECTRIC CODE, AND ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
6. DIVISION 16 CONTRACTOR SHALL PROVIDE ALL ELECTRICAL HARDWARE SHOWN ON THESE DRAWINGS AND RELATED DETAIL MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED. ALL NEW ELECTRICAL MATERIAL AND EQUIPMENT SHALL CONFORM TO THE STANDARDS AND BEAR THE INSPECTION LABEL OF THE UNDERWRITERS LABORATORIES AND SHALL BE APPROVED FOR USE BY ALL LOCAL AUTHORITIES HAVING JURISDICTION.
7. THE DIVISION 16 CONTRACTOR SHALL REFER TO ALL OTHER DRAWINGS IN BID PACKAGE AND PERFORM THE WORK (INCLUDE IN HIS BID) INDICATED AS ELECTRICAL CONTRACTOR (E.C.) WORK. CONTRACTOR TO COORDINATE ALL LOCATIONS WITH GENERAL CONTRACTOR AND OTHER TRADES.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER. THE EC IS RESPONSIBLE TO INSTALL ALL MOTOR STARTERS AND ASSOCIATED POWER WIRING. THE LOCATIONS OF MOTOR STARTERS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD AND SUBMITTED TO THE ENGINEER FOR APPROVAL UNLESS IT IS SPECIFIED ON THE DRAWINGS. THE EC SHALL REFER TO THE MECHANICAL EQUIPMENT SCHEDULES & NOTES AND INCLUDE IN HIS BID PRICE ALL ELECTRICAL WORK ASSOCIATED WITH THEIR INSTALLATION, AND THE REMOVAL OF ANY STARTERS/DISCONNECTS NO LONGER REQUIRED.
9. ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND DIRECTIVES OF THE OWNER.
10. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL OBTAIN AN APPROVED ELECTRICAL INSPECTION CERTIFICATE FROM THE LOCAL AHJ AND PAY ASSOCIATED FEE. SUBMIT A PHOTO COPY OF THIS CERTIFICATE TO THE ENGINEER WITH FINAL PAYMENT APPLICATION. SUBMIT A COPY OF THIS CERTIFICATE TO THE OWNER.
11. DIVISION 16 CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND THEIR INSTALLATION TO BE FREE OF DEFECTS FOR A PERIOD AS DEFINED IN THE PROJECT MANUAL.
12. IF ADDITIONAL POLE POSITIONS ARE REQUIRED FOR NEW CIRCUITS IN EXISTING PANELS SERVICING RENOVATED AREAS, REMOVE (3) ADJACENT 1" POLE BREAKERS PROVIDE AND INSTALL 3P, 60A BREAKER FOR SUB FEED TO A SURFACE MOUNTED 100A, 3PH, 18 POLE SUB PANEL AND ESTABLISH OVERFLOW CIRCUITS IN NEW SUB PANEL. EACH WITH A 1P, 20A BREAKER. PROVIDE (3) 1P, 20A BREAKERS FOR DISCONNECTED CIRCUITS IN MAIN PANEL AND RECONNECT THEM IN SUB PANEL. SUB PANEL FEED TO BE 3Ø + 1Ø(N) + 1Ø(G) IN 1".
13. IT IS EXPECTED THAT STRUCTURAL DEMOLITION BY THE GENERAL CONTRACTOR WILL CAUSE VARIOUS ELECTRIC SUPPLIES, OF VARIOUS VOLTAGES AND PURPOSES, TO BE CUT AND RENDER SOME DEVICES TEMPORARILY INACTIVE. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO RECONSTRUCT AND RECONNECT SUCH ELECTRIC SOURCES UPON COMPLETION. NOTE THAT MOST REINSTALLED ITEMS WILL BE IN DIFFERENT LOCATIONS FROM THE ORIGINAL LOCATION. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL REQUIRED CIRCUIT EXTENSIONS OR MODIFICATIONS TO PROVIDE SERVICE TO A REINSTALLED ITEM AS RELOCATED. NOTE THAT THIS REQUIREMENT ALSO APPLIES TO THE ROOMS AND ELECTRICAL ITEMS WITHIN THAT ARE NORMALLY NOT IN CONTRACT. SUCH RESTORATION OF SERVICE, IF NEEDED, IS SPECIFICALLY IN THE ELECTRICAL CONTRACTORS CONTRACT.
14. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND POWER TO ALL TRADES FOR THE DURATION OF THE PROJECT. SERVICE SHALL BE SUPPLIED TO CONTRACTORS CONSTRUCTION TRAILERS WHERE SUCH IS REQUESTED. USE THE EXISTING POWER PANELS FOR SUCH SUPPLY. POWER COSTS WILL BE PAID BY THE OWNER. ALL CONSTRUCTION POWER RECEPTACLES SHALL BE GFI PROTECTED.
15. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL ELECTRICAL DEVICES FROM DAMAGES DURING CONSTRUCTION. THIS INCLUDES DEVICES WHICH ARE EITHER INDICATED TO REMAIN, AND/OR TO BE REMOVED AND REINSTALLED THROUGHOUT ALL CONSTRUCTION AREAS. DEVICES SHALL INCLUDE BUT WILL NOT BE LIMITED TO SMOKE DETECTORS, EMERGENCY LIGHTS, EXIT SIGNS, OCCUPANCY SENSORS, SPEAKERS, LIGHT FIXTURES, SWITCHES, RECEPTACLES, ETC. IN THE EVENT OF DAMAGES INCURRED DUE TO CONSTRUCTION ACTIVITIES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY DAMAGED DEVICES AT NO ADDITIONAL COST TO OWNER.
16. THE INDICATED SOURCE OF EXISTING CIRCUITS MAY NOT BE KNOWN OR HAS NOT BEEN VERIFIED. IT IS THE DIVISION 16 CONTRACTOR'S RESPONSIBILITY TO TRACE OUT, LOCATE AND VERIFY THE DISCONNECTING MEANS OF EXISTING CIRCUIT(S) TO BE IMPACTED BY THE WORK. SAFE OFF THE CIRCUIT(S) AS REQUIRED TO SAFELY PERFORM THE WORK, AND RE-ENERGIZE UPON COMPLETION. UPDATE PANEL DIRECTORIES UPON COMPLETION.
17. WHERE EXISTING FIRE ALARM SYSTEMS ARE MODIFIED DURING THE COURSE OF THE PROJECT, PROVIDE OWNER WITH UPDATED COMPLETION RECORD DOCUMENTATION PER NFPA 72, ARTICLE 10.18. INCLUDE COPY OF UPDATED SITE SPECIFIC SOFTWARE. ANY ADDITIONAL DEVICES SHALL BE MAPPED INTO THE SYSTEM WITH THE APPROPRIATE ADDRESS/LABELS.
18. FURNISH AND INSTALL ALL INDICATED LIGHTING FIXTURES AND MOUNTING HARDWARE AS REQUIRED FOR A COMPLETE INSTALLATION. NOTE ALL LIGHT FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE. UTILIZING CEILING FRAMING ALONE IS NOT ACCEPTABLE. NEW LIGHTING FIXTURES OTHER THAN THEATRICAL EQUIPMENT SHALL NOT BE DANGEROUSLY CHANGED. RE-USE OF AN EXISTING LIGHTING FIXTURE INCLUDES HOME RUN WIRING OR WIRING UP TO THE SWITCH. ANY WIRING DOWNSTREAM OF THE SWITCH IS SUBJECT TO REPLACEMENT/REARRANGEMENT. EC SHALL ALLOW FOR THIS IN THE BID PRICE.
19. ALL WIRING TO BE 1Ø12+1Ø12(N)+1Ø12(G)-3Ø4" EMT, OR STEEL JACKETED MC CABLE (WHERE CODE PERMITTED), UNLESS OTHERWISE SPECIFIED ON DRAWINGS. ALUMINUM JACKETED MC CABLE IS NOT ACCEPTABLE.
20. RUN BRANCH CIRCUITS IN DROPPED CEILINGS, VOIDS, & CHASES. ALL DEVICES & CONDUITS ON NEW CONSTRUCTION MUST BE RECESSED FOR EXISTING SURFACES. MECHANICAL WORK SPACES/CONDUITS MAY BE SURFACE MOUNTED. EXISTING PUBLIC FINISHED AREAS: CONDUITS SHALL BE CONCEALED WHEREVER POSSIBLE (IN HUNG CEILINGS, VOIDS/CHASES, FLOOR BELOW OR BEHIND WALLS) ALL WIRING THAT CANNOT BE CONCEALED IN MUST BE RUN IN FINISHED SURFACE RACEWAY SUCH AS WIREMOLD, COLOR PER ARCHITECT. USE OF ADHESIVE IS PROHIBITED. SURFACE RACEWAY MUST BE SECURED USING MECHANICALLY FASTENED CLIPS.
21. ANY LIGHT FIXTURES INSTALLED IN GYMNASIUMS OR OTHER AREAS SUBJECT TO IMPACT OR PHYSICAL DAMAGE SHALL BE MOUNTED WITH SAFETY CHAINS AND SECURED TO STRUCTURE.
22. SEE SPEC. SECTION 16100 BASIC MATERIALS AND METHODS FOR COMPLETE NOTES ON INSTALLATION, MISCELLANEOUS MATERIALS AND ELECTRICAL DEVICES.



1ST FLOOR PLAN

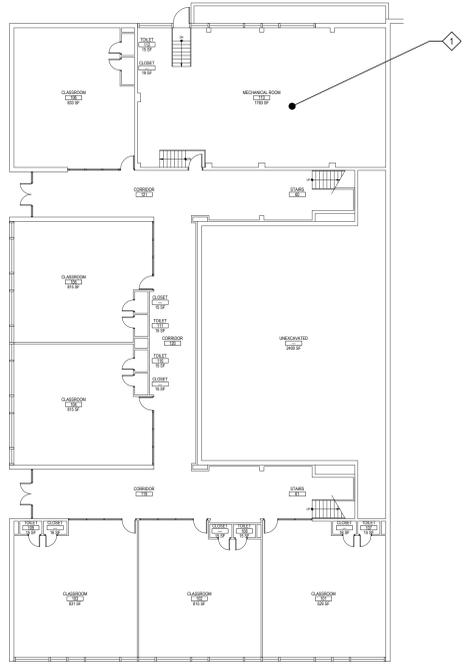
SCALE: 1/16" = 1'-0"

FIRE STOP NOTES

1. ALL CONDUIT AND CABLE PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR OTHER STRUCTURES SHALL BE FIRE STOPPED.
2. THE FIRE STOP MATERIALS SHALL BE HILTI TYPE FS-657 FIRE BLOCK, FS-ONE SEALANT, CP-672 JOINT SPRAY, CP-6015 ELASTOMERIC SEALANT, IF-806 FLEXIBLE SEALANT, CP-643 OR CP-642 COLLAR, CP-618 PUTTY STICK, OR FS-655 TROWEL APPLIED COMPOUND, AS SUITABLE.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRODUCTS SPECIFIED OR EQUAL.
4. FIRE STOP MATERIALS OTHER THAN HILTI SHALL INCLUDE FULL TECHNICAL DATA WITH SHOP DRAWINGS TO DEMONSTRATE EQUALITY WITH THE SPECIFIED FIRE STOPS AND STATEMENT FROM MANUFACTURER THAT THEY MEET OR EXCEED THE PRODUCTS SPECIFIED HERE.
5. ALL SYSTEMS SHALL HAVE THEIR OWN SLEEVE THROUGH FIRE RATED WALLS. IE FIRE ALARM, PUBLIC ADDRESS, TELEPHONE, DATA, POWER AND LIGHTING.

NOTES:

1. IN LOCATIONS WHERE SIMILAR DEVICES ARE MOUNTED AT THE SAME HEIGHT, DEVICES SHALL BE PROPERLY "GANGED" AND SHALL HAVE A SINGLE COVER PLATE.
2. IN LOCATIONS WHERE DIFFERENT DEVICES ARE MOUNTED AT DIFFERENT HEIGHTS WITHIN FOUR FEET OF ONE ANOTHER, DEVICES SHALL BE MOUNTED SUCH THAT THEY HAVE A COMMON CENTERLINE. IF THERE ARE THREE OR MORE DEVICES, THE CONTRACTOR SHALL REQUEST A DETAIL FROM THE ARCHITECT.
3. 80" TO BOTTOM, OR AT SHALLOW CEILING INSTALLATIONS, WITHIN 6" OF FINISHED CEILING, VERIFY WITH ENGINEER.
4. IN TOILET ROOMS WITH BACK SPLASH AT VANITY, MOUNT CENTER AT 4" ABOVE BACK SPLASH. IF NO BACK SPLASH, MOUNT 4" ABOVE COUNTER. IF NO COUNTER, MOUNT AT 4" AFF COORDINATE WITH ARCHITECTURAL PLANS. REFER TO ELEVATIONS AND FURNITURE PLANS.
5. RECEPTACLE IN PLAN WITH THE NOTATION 'AC' INDICATES MOUNTING HEIGHT OF 4" ABOVE COUNTER OR 4" ABOVE BACK SPLASH. COORDINATE WITH ARCHITECTURAL PLANS. REFER TO ELEVATIONS AND FURNITURE PLANS.
6. MOUNT AT 7'-6" ABOVE CLOSEST FLOOR LEVEL (LANDINGS, STEPPED FLOORS, ETC.) UNLESS OTHERWISE NOTED.



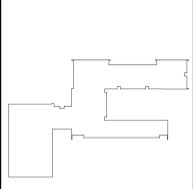
GROUND FLOOR PLAN

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

- DRAWING NOTES:**
1. ADD COMBO EXTINGEMERGENCY LIGHT TO MECHANICAL ROOM SURE-LITE HAPC7RSQ OR EQUAL. WIRE TO AREA LIGHTING CIRCUIT AHEAD OF ANY SWITCHING. COORDINATE LOCATION WITH DISTRICT.
 2. ADD EMERGENCY LIGHT TO KITCHEN. SURE-LITE HMOEEL CUL-LED OR EQUAL. WIRE TO AREA LIGHTING CIRCUIT AHEAD OF ANY SWITCHING. COORDINATE LOCATION WITH DISTRICT.

REV.	DATE	ITEM

NOTICE
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KEY PLAN
 NOT TO SCALE

PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 LEE F. JACKSON ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 ELECTRICAL NOTES & PLANS

DRAWING BY: DG
CHECK BY: ...

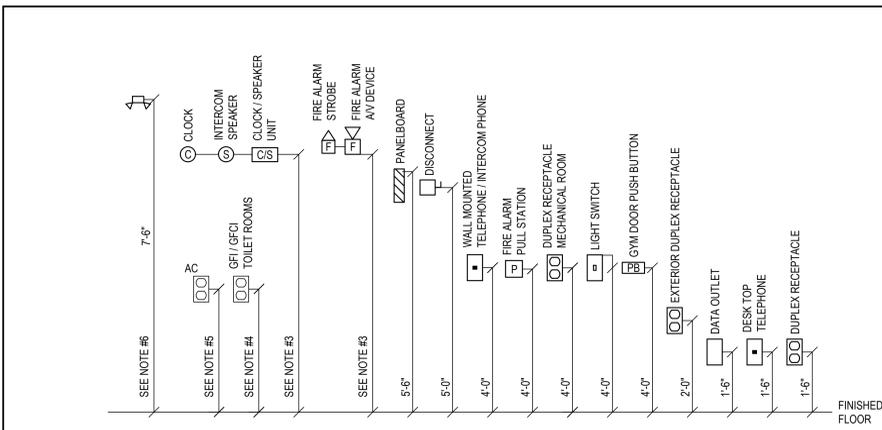
NOTICE
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 LANDSCAPE ARCHITECTS
 ENGINEERS
 244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
 PATCHOGUE | ALBANY
 NEW YORK 11772 | NEW YORK 12205
 T. 631.475.0349 | T. 518.621.7650
 F. 631.475.0361 | F. 518.621.7655
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SED No: 66-04-07-06-0-006-011
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS LEE F. JACKSON E.S.
DWG TITLE: ELECTRICAL NOTES & PLANS
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-289

NOTE: SYMBOLS AND ABBREVIATIONS ON THIS DRAWING ARE FOR REFERENCE ONLY, AND MAY NOT BE USED IN THE FOLLOWING DOCUMENTS.

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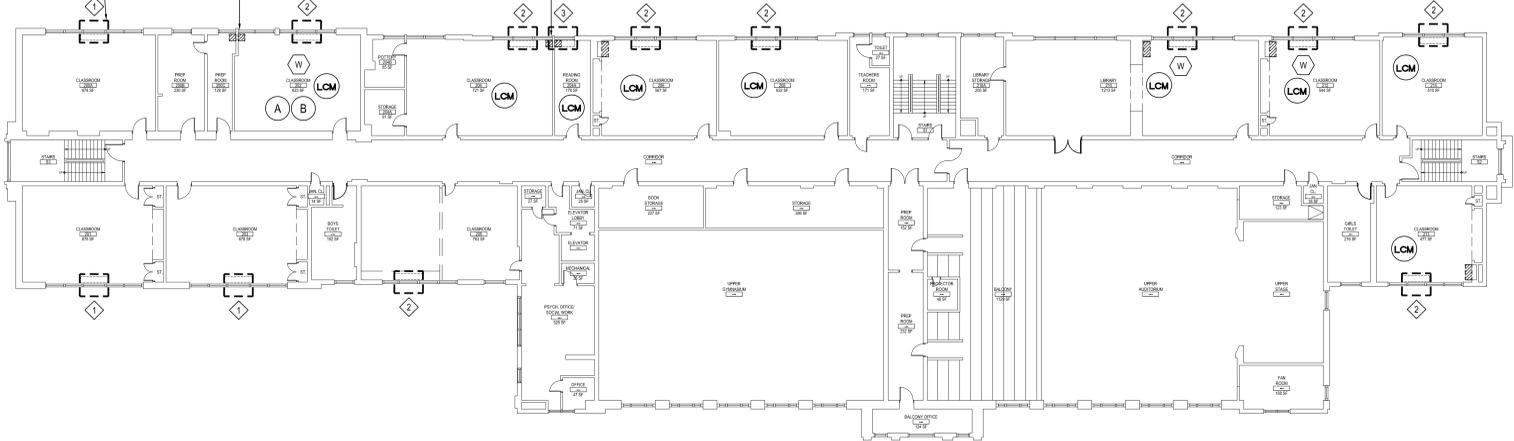
1 DEVICE MOUNTING HEIGHT DETAIL

SCALE: N.T.S.

LOCATION OF NEW OR MODIFIED LOUVER, SEE M-SERIES DRAWINGS FOR SIZING AND ADDITIONAL INFORMATION, TYP.

G.C. TO REMOVE EXISTING LOUVER, SEAL AND INFILL WITH BRICK AND BRICK VENEER TO MATCH EXISTING ADJACENT MASONRY, TYP. OF 2. REMOVE EXISTING MASONRY AS REQUIRED TO REMOVE LOUVER, TOOTH IN NEW MASONRY AS NECESSARY.

G.C. TO REMOVE EXISTING LOUVER, SEAL AND INFILL WITH BRICK AND BRICK VENEER TO MATCH EXISTING ADJACENT MASONRY, TYP. OF 2. REMOVE EXISTING MASONRY AS REQUIRED TO REMOVE LOUVER, TOOTH IN NEW MASONRY AS NECESSARY.



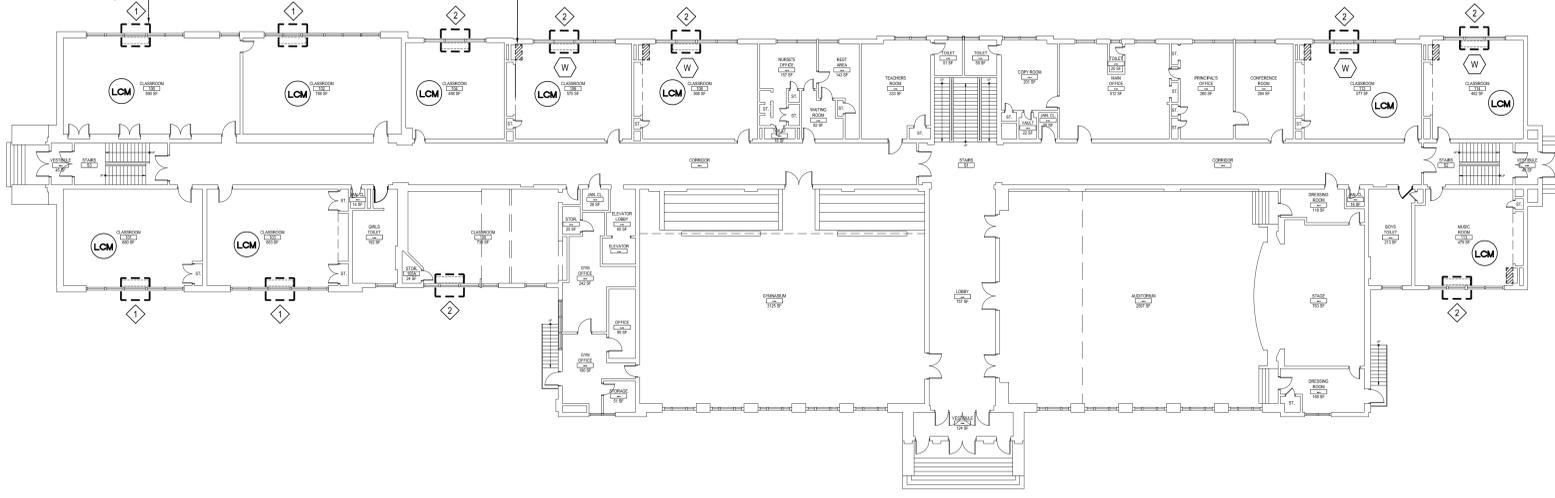
MASONRY RECONSTRUCTION SECOND FLOOR KEY PLAN

NOTE

LOCATION OF NEW OR MODIFIED LOUVER, SEE M-SERIES DRAWINGS FOR SIZING AND ADDITIONAL INFORMATION, TYP.

G.C. TO REMOVE OLD EXISTING U.V. AND PATCH EXISTING OPENING. CLOSE OPENING WITH 3" METAL STUD AND 1/2" GYP. BOARD FINISHED FLUSH AND PAINT TO MATCH EXISTING ADJACENT, TYP. FOR ALL LOCATIONS. SEE DETAIL 1/2A2.01C THIS SHEET FOR ADDITIONAL INFORMATION.

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



MASONRY RECONSTRUCTION FIRST FLOOR KEY PLAN

NOTE

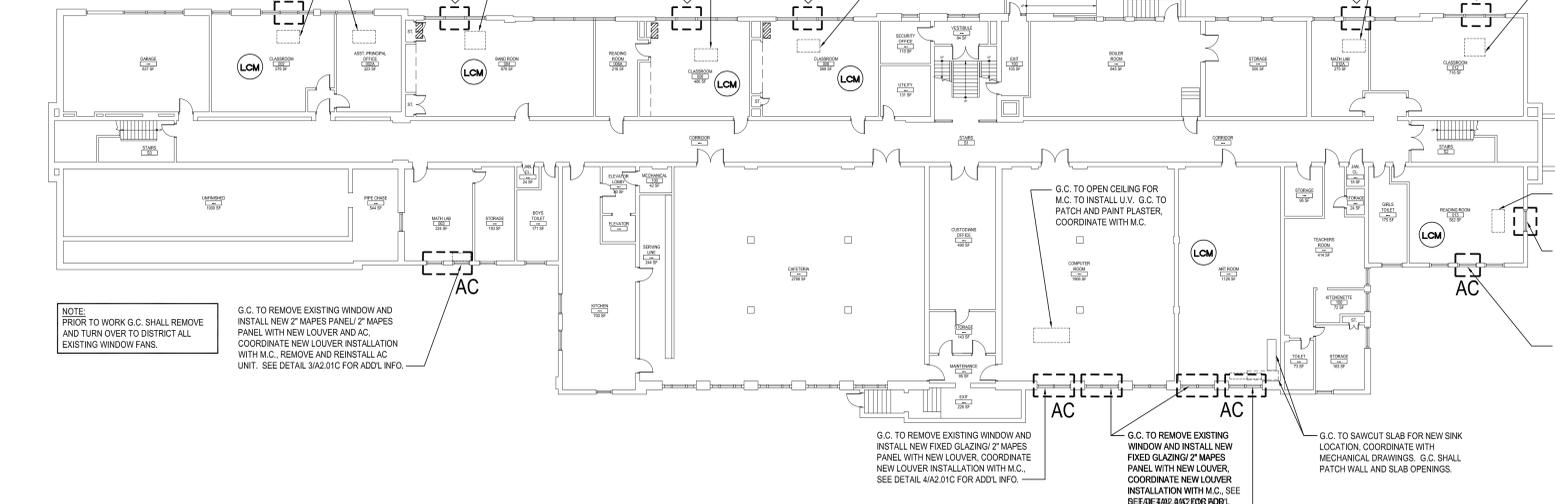
LOCATION OF NEW LOUVER, SEE M-SERIES DRAWINGS FOR SIZING AND ADDITIONAL INFORMATION, TYP.

G.C. TO OPEN CEILING FOR M.C. TO INSTALL U.V. G.C. TO REINSTALL CEILING TILE AND GRID, COORDINATE WITH M.C.

G.C. TO OPEN CEILING FOR M.C. TO INSTALL U.V. G.C. TO PATCH AND PAINT PLASTER, COORDINATE WITH M.C.

G.C. TO OPEN CEILING FOR M.C. TO INSTALL U.V. G.C. TO PATCH AND PAINT PLASTER, COORDINATE WITH M.C.

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



MASONRY RECONSTRUCTION BASEMENT KEY PLAN

NOTE

NOTE: PRIOR TO WORK G.C. SHALL REMOVE AND TURN OVER TO DISTRICT ALL EXISTING WINDOW FANS.

G.C. TO REMOVE EXISTING WINDOW AND INSTALL NEW 2" MAPES PANEL/2" MAPES PANEL WITH NEW LOUVER AND AC. COORDINATE NEW LOUVER INSTALLATION WITH M.C. REMOVE AND REINSTALL AC UNIT. SEE DETAIL 3/2A.01C FOR ADDL. INFO.

G.C. TO REMOVE EXISTING WINDOW AND INSTALL NEW FIXED GLAZING/2" MAPES PANEL WITH NEW LOUVER. COORDINATE NEW LOUVER INSTALLATION WITH M.C. SEE DETAIL 4/2.01C FOR ADDL. INFO.

G.C. TO REMOVE EXISTING WINDOW AND INSTALL NEW 2" MAPES PANEL/2" MAPES PANEL WITH NEW LOUVER. COORDINATE NEW LOUVER INSTALLATION WITH M.C. SEE DETAIL 4/2.01C FOR ADDL. INFO.

G.C. TO REMOVE EXISTING WINDOW AND INSTALL NEW 2" MAPES PANEL/2" MAPES PANEL WITH NEW LOUVER. COORDINATE NEW LOUVER INSTALLATION WITH M.C. SEE DETAIL 4/2.01C FOR ADDL. INFO.

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

U.V. LOUVER LEGEND

- NEW U.V.'S BY M.C. EXISTING 1/4" LOUVER IN MASONRY TO BE EXPANDED TO ACCOMMODATE NEW 1/4" LOUVER. OPENING BY G.C. LOUVER BY M.C.
- NEW U.V.'S BY M.C. G.C. TO CREATE NEW MASONRY OPENING FOR NEW 1/4" LOUVER. OPENING BY G.C. LOUVER BY M.C.
- NEW U.V.'S BY M.C. G.C. TO REMOVE EXISTING LOUVER AND ADD NEW MASONRY BLOCK TO MATCH EXISTING ADJACENT IN EXCESS SPACE LEFT FROM NEW 1/4" LOUVER. OPENING BY G.C. LOUVER BY M.C.
- NEW CEILING U.V.'S BY M.C. NEW LOUVERS IN EXISTING METAL PANELS ABOVE WINDOWS. LOUVER PROVIDED BY M.C., INSTALLED BY G.C. SEE DETAIL 2/2A.01C FOR ADDL. INFO.
- LOCATION OF NEW U.V.'S BY M.C. SEE FURTHER NOTES FOR LOUVER DETAILS.
- G.C. TO PATCH OPENING AT OLD U.V. LOCATION, COORDINATE WITH MECHANICAL DRAWINGS.
- EXISTING A.C. UNIT TO BE REMOVED AND REINSTALLED AS NECESSARY TO COMPLETE U.V. WORK.
- G.C. SHALL REMOVE AND DISPOSE OF EXISTING WINDOW SILL SHELVES FOR PROPER INSTALLATION OF NEW U.V.

DEMOLITION NOTES

- CONTRACTOR SHALL REFER TO ABATEMENT SERIES DRAWINGS FOR ADDITIONAL SCOPE AND NOTES NOT SHOWN ON THESE DRAWINGS.
- ALL ABATEMENT, DEMOLITION, REMOVAL AND DISPOSAL SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED. DISCONNECTS SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR, PLUMBING CONTRACTOR AND MECHANICAL CONTRACTOR. REFER TO M.E.P. SERIES DRAWINGS FOR COORDINATION AND ADDITIONAL GENERAL CONSTRUCTION DEMOLITION SCOPE DESCRIPTIONS.
- PRIOR TO THE START OF ANY DEMOLITION WORK THE CONTRACTOR SHALL COORDINATE A CONSTRUCTION DEBRIS REMOVAL PATH WITH OWNER.
- PRIOR TO THE START OF ANY DEMOLITION WORK THE CONTRACTOR SHALL HAVE CARTING CONTAINER(S) IN PLACE. FINAL DESIGNATION OF CONTAINER(S) IS TO BE COORDINATED BY OWNER.
- PRIOR TO THE START OF ANY DEMOLITION WORK THE CONTRACTOR SHALL SAFE OFF ALL ELECTRICAL AND PLUMBING SERVICES NECESSARY TO PERFORM THE WORK OUTLINED IN THE DOCUMENTS. IT IS THE CONTRACTOR'S (G.C.) RESPONSIBILITY TO COORDINATE THESE ITEMS WITH THE ELECTRICAL AND PLUMBING CONTRACTORS.
- FLOORING DEMOLITION SCOPE SHALL INCLUDE ALL ABATEMENT, REMOVAL OF RUBBER/WOOD COVE AND BASE MOULDINGS, AND FLOORING DOWN TO EXISTING CONCRETE FLOORING.
- ALL HEAT AND SMOKE DETECTORS ARE TO BE PROPERLY COVERED THROUGHOUT THE PROJECT'S DURATION. CONTRACTOR TO NOTIFY OWNER IF ANY WORK WILL INVOLVE THE INTERRUPTION OF ALARM SERVICE SO THAT THE SYSTEM CAN BE TAKEN OFF LINE DURING WORK HOURS AND PLACED BACK ONLINE UPON COMPLETION OF DAYS ACTIVITIES.
- ALL DOORS, AND HARDWARE SCHEDULED TO BE REMOVED ARE TO BE DISPOSED OF IN THEIR ENTIRETY. "NO" MATERIAL IS TO BE TURNED OVER TO THE OWNER UNLESS OTHERWISE DIRECTED BY THE OWNER.
- THE CONTRACTOR (G.C.) IS RESPONSIBLE TO REVIEW AND COORDINATE ALL G.C. WORK W/ MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS UNDER THIS PROJECT.
- ALL GENERAL DEMOLITION WORK SHALL BE PERFORMED UNDER NEGATIVE PRESSURE WITH FILTERED POWER EXHAUST. NEGATIVE AIR SHALL PROVIDE A MINIMUM OF FOUR AIR CHANGES PER HOUR. ALL NEGATIVE AIR MACHINES AD EXHAUST DUCTING SHALL BE MONITORED REGULARLY BY THE CONTRACTOR TO ASSURE PROPER OPERATION.
- IT IS THE INTENT OF THIS DEMOLITION SCOPE TO REMOVE ALL FLOORING, WALLS, CEILINGS & DOORS (WHERE SHOWN DASHED), CASEWORK, WOOD TRIM/MOVIE, WALL MOUNTED TACK/HALK BOARDS, IN THEIR ENTIRETY TO ACCOMMODATE PROPOSED CONSTRUCTION AND FINISHES AS SHOWN HEREIN AND SPECIFIED.
- OWNER TO REMOVE ALL LOOSE FURNISHINGS AND STORED MATERIALS PRIOR TO START OF WORK.
- ALL DEMOLITION, REMOVAL AND DISPOSAL SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED. DISCONNECTS SHALL BE PERFORMED BY ELECTRICAL CONTRACTOR, PLUMBING CONTRACTOR AND MECHANICAL CONTRACTOR. REFER TO M.E.P. SERIES DRAWINGS FOR COORDINATION AND ADDITIONAL GENERAL CONSTRUCTION DEMOLITION SCOPE DESCRIPTIONS.
- G.C. SHALL SAWCUT WALLS, FLOORS, ROOF, ETC. UNLESS OTHERWISE NOTED. REFER TO CONSTRUCTION DOCUMENTS FOR LOCATIONS, DESCRIPTIONS AND RESPONSIBILITIES.
- G.C. SHALL VERIFY ALL REMOVALS W/ OWNERS REPRESENTATIVE/OWNER, AND M.C., P.C., OR E.C. PRIOR TO COMMENCEMENT.

NOTE: THROUGHOUT BUILDING, BEFORE PROCEEDING WITH WORK, DISTRICT SHALL DISCONNECT/REMOVE AND STORE ALL WINDOW FANS. G.C. SHALL DO THE SAME WITH ANY WINDOW FANS THAT NEED TO BE MOVED IN ORDER TO COMPLETE WORK.

PRE-ABATEMENT WORK NOTES:

- THE CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATIONS OF PERSONAL AND WASTE DECONTAMINATION ENCLOSURES, PICK UP AREA FOR REFUSE AND ASBESTOS DEBRIS. THESE LOCATIONS SHALL BE REVIEWED AND PROPERLY APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF WORK. THIS CONTRACTOR SHALL ESTABLISH, LABEL AND MAINTAIN PROPER EXITS AND WAYS OF DEPARTURE WITHIN EACH WORK AREA FOR NORMAL AND EMERGENCY USE BY WORKERS DURING ALL ABATEMENT.

POST-ABATEMENT WORK NOTES:

- THE CONTRACTOR SHALL UPON COMPLETION OF REMOVALS, PROVIDE WRITTEN DOCUMENTATION THAT THE PROJECT WORK AREAS ARE COMPLETELY FREE OF ALL HAZARDOUS MATERIALS.
- THE CONTRACTOR SHALL PROVIDE RECORDS OF ALL HAZARDOUS MATERIALS REMOVED FROM THE SITE.

ABATEMENT NOTES

(A) REMOVE FROM THE AREAS INDICATED, ALL ASBESTOS CONTAINING 12"x12" FLOOR TILE, BLUE. AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN ROOM #202. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.

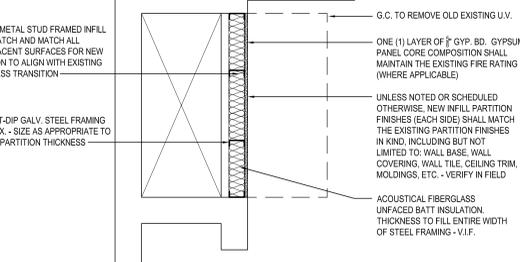
(B) REMOVE FROM THE AREAS INDICATED, ALL ASBESTOS CONTAINING 12"x12" FLOOR TILE, RED. AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN ROOM #202. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.

NOTE: PRESUMED ASBESTOS CONTAINING PIPE INSULATION AND ASSOCIATED BELTS THROUGHOUT BUILDING NOT TO BE AFFECTED BY SCOPE OF WORK. REFER TO REPORT BY ENVIRONMENTAL CONSULTANTS, PROJECT #21919.

NOTES: REFER TO ENVIRONMENTAL CONSULTANTS, REPORT FOR PROJECT # 21919, CONTAINED WITHIN THE PROJECT MANUAL, FOR ALL PRECONSTRUCTION SURVEY, BULK SAMPLING AND ANALYSIS OF SUSPECT/ASSUMED ASBESTOS CONSTRUCTION MATERIALS. G.C. TO COORDINATE WITH ENVIRONMENTAL FOR PROJECT-SPECIFIC ABATEMENT & DISPOSAL PROTOCOL REQUIRED.

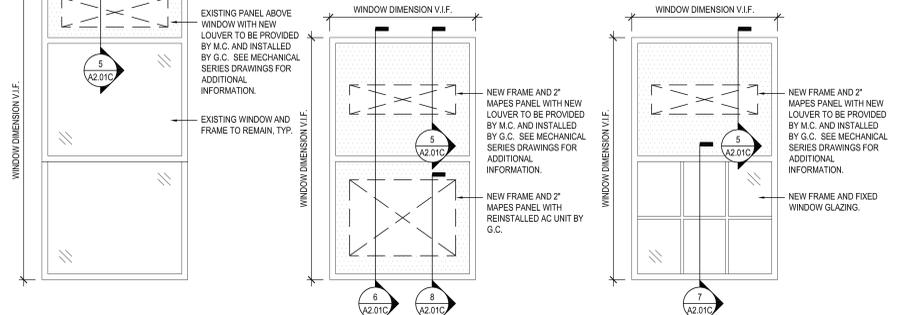
LEAD CONTAINING NOTES

(LCM) CONTRACTOR SHALL NOTE THAT LEAD PAINT EXISTS ON EXISTING PLASTER WALLS, METAL UNIT VENTILATORS, METAL RADIATORS, BRICK WALLS, AND WOOD BASEBOARDS. LOCATIONS FOR LEAD CONTAINING MATERIALS CAN BE FOUND THROUGHOUT BUILDING BUT NOT LIMITED TO ROOMS #002, #004, #005, #008, #009, #013, #014, #113, #114, #115, #116, #118, #119, #120, #201, #202, #204, #205, #206, #208, LIBRARY, #212, #213, & #214. REFER TO SPECIFICATIONS FOR PROTOCOL ON REMOVALS AND IMPACT ON NEW WORK SCOPE.



1 PLAN DETAIL - WALL CLOSURE
TYP. FOR ALL LOCATIONS
SCALE: 3/4" = 1'-0"

NOTES: MATERIALS IDENTIFIED ABOVE SHOULD BE CONSIDERED LEAD CONTAINING IN THE AREAS INDICATED AS WELL AS WHERE EVER THEY EXIST THROUGHOUT THE STRUCTURE. DESIGNATED KEYNOTES INDICATE MATERIALS TO BE REMOVED AND PROPERLY DISPOSED OF UNDER THIS PROJECT. REFER TO PRE CONSTRUCTION LEAD MATERIALS INSPECTION, SAMPLING REPORT, AND LEAD WORK SAFE PLAN SPECIFICATION 02090 FOR ABATEMENT PROCEDURES AND LEGAL, REMOVAL AND DISPOSAL REQUIREMENTS. REFER TO ENVIRONMENTAL CONSULTANTS, REPORT FOR PROJECT # 21919, CONTAINED WITHIN THE PROJECT MANUAL FOR LEAD-BASED PAINT INSPECTION DATA & APPENDIX C FOR LEAD XRF TEST RESULTS FOR PROJECT-SPECIFIC DATA.



2 EXISTING WINDOW ELEVATION SCALE: 1/2" = 1'-0"
3 NEW FIXED PANEL/ PANEL WINDOW REPLACEMENT SCALE: 1/2" = 1'-0"
4 NEW FIXED GLAZING/ PANEL WINDOW REPLACEMENT SCALE: 1/2" = 1'-0"
5 NEW LOUVER DETAIL SCALE: N.T.S.
6 NEW WINDOW DETAIL SCALE: N.T.S.
7 NEW WINDOW DETAIL SCALE: N.T.S.
8 AC DETAIL SCALE: N.T.S.

REV.	DATE	ITEM

NOTICE

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KEY PLAN

NOT TO SCALE

PROJECT

GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
RICHARD J. BAILEY ELEMENTARY SCHOOL
WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE

MASONRY RECONSTRUCTION
NEW UNIT VENTILATORS

DRAWING BY: S.E.S.
CHECK BY: J.W.W.

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PATCHOGUE, ALBANY
NEW YORK 11772
T. 631.475.0349 | NEW YORK 518.221.7650
F. 631.475.0361 | F. 518.621.7655

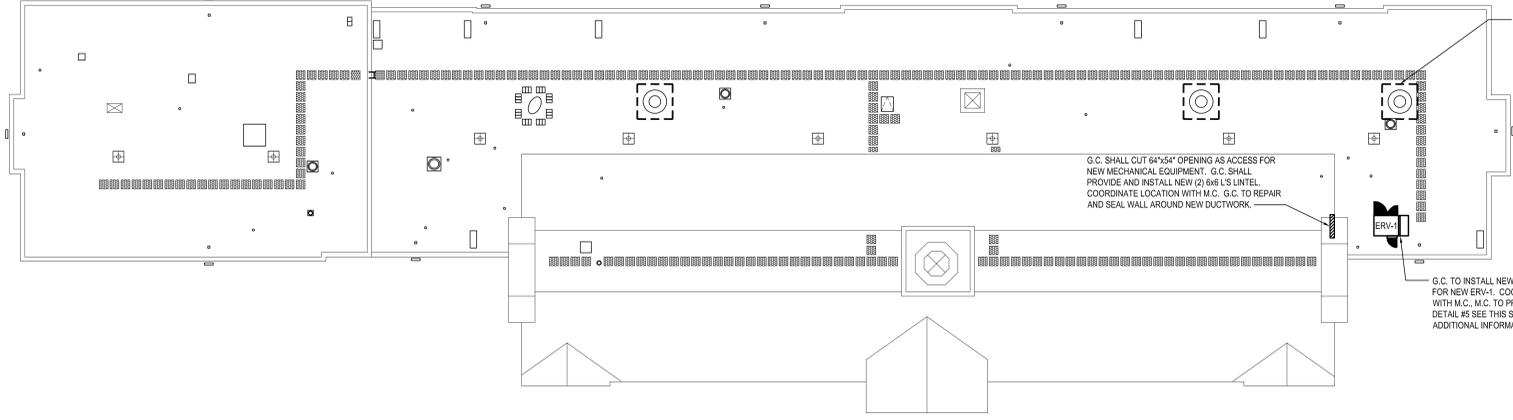
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SED No: 66-04-07-06-005-012
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS R.J. BAILEY E.S.
DWG TITLE: MASONRY RECONSTRUCTION NEW UNIT VENTILATORS
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-290

A2.01C

REV.	DATE	ITEM

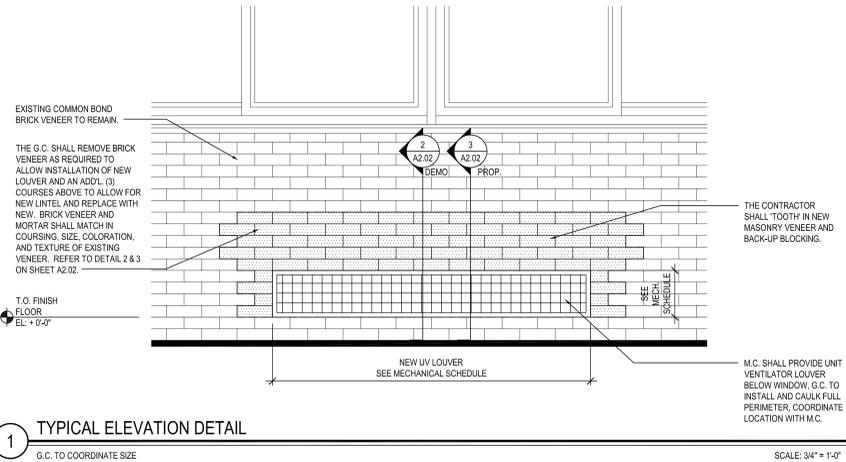
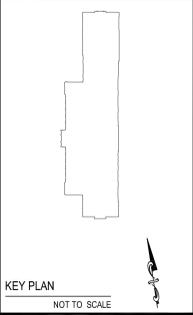
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PROPOSED ROOF KEY PLAN

NOTE:

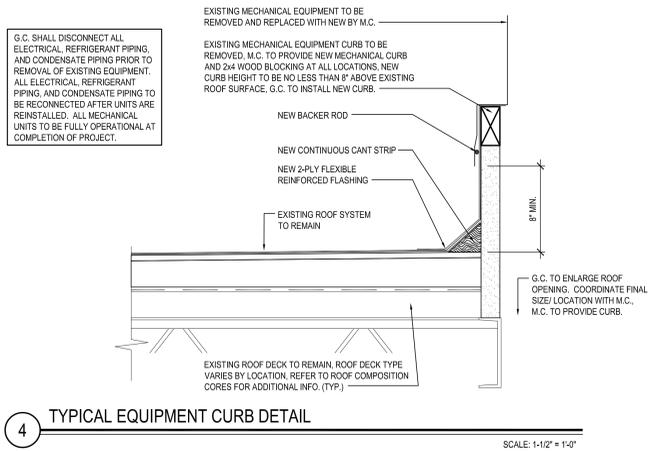
SCALE: 1/16" = 1'-0"



1 TYPICAL ELEVATION DETAIL

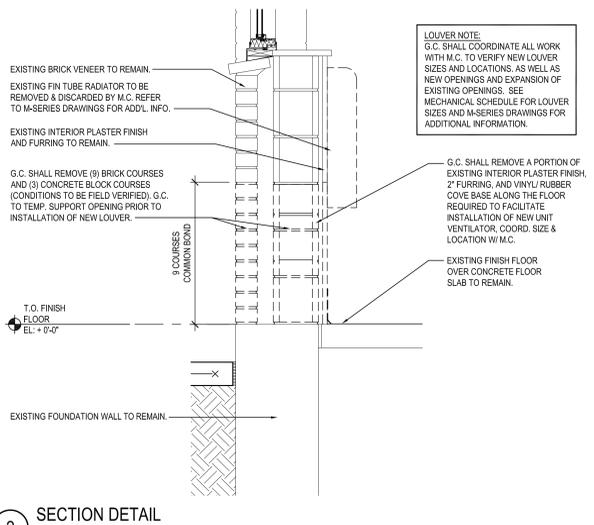
G.C. TO COORDINATE SIZE AND LOCATION OF LOUVER OPENINGS WITH M.C.

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



4 TYPICAL EQUIPMENT CURB DETAIL

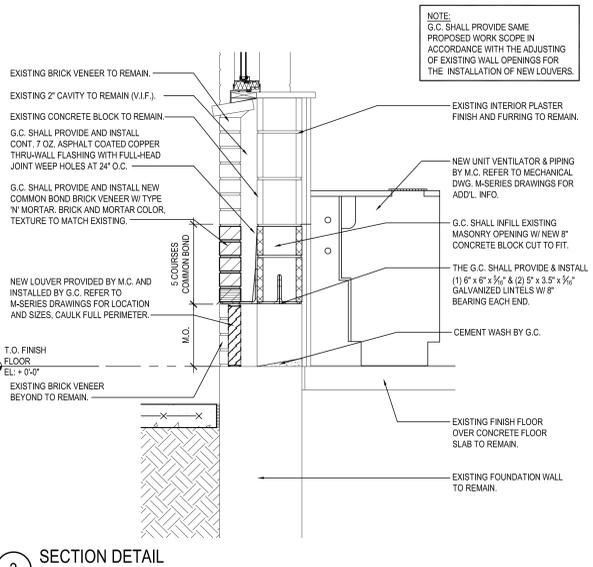
SCALE: 1/12" = 1'-0"



2 SECTION DETAIL

DEMO

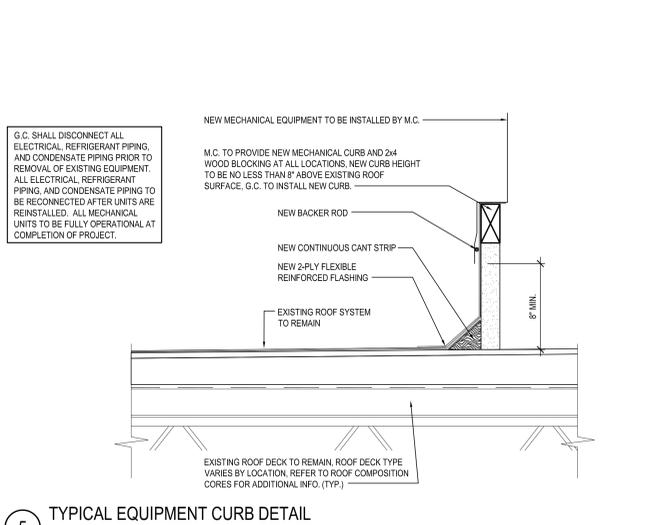
SCALE: 1" = 1'-0"



3 SECTION DETAIL

PROPOSED

SCALE: 1" = 1'-0"



5 TYPICAL EQUIPMENT CURB DETAIL

SCALE: 1/12" = 1'-0"

PROPOSED ROOF PLAN AND DETAILS
NEW UNIT VENTILATORS

PROJECT: GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

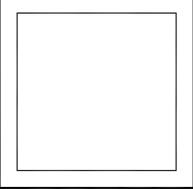
DRAWING BY: S.E.S.
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SED No: 66-04-07-06-0-005-012
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS
 R.J. BAILEY E.S.
 DWG TITLE: PROPOSED ROOF PLAN
 NEW UNIT VENTILATORS
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-290

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DOOR SCHEDULE

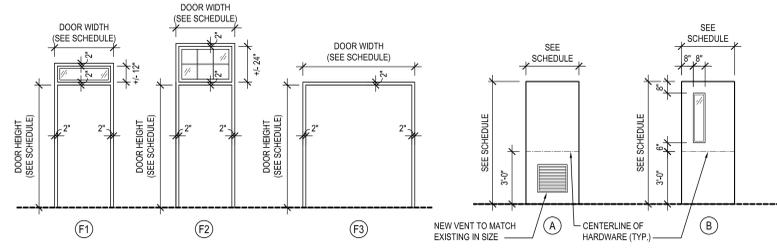
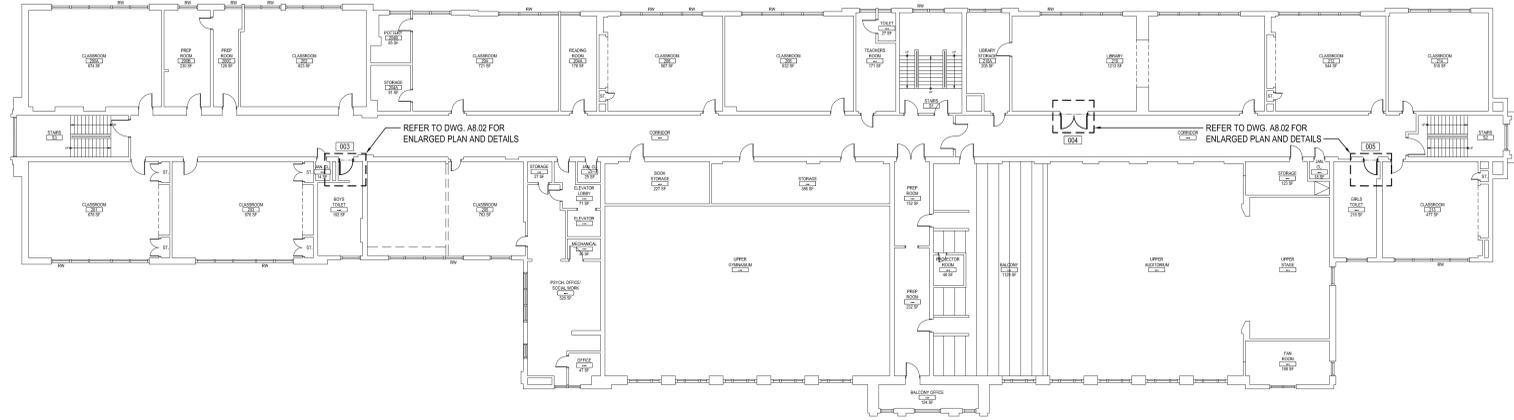
AREA	DOOR NO.	LOCATION	SIGNAGE	DOOR			ELEV. TYPE	MAT.	GLAZING	FRAME		HARDWARE SET	DETAIL			FIRE RATING	REMARKS	DOOR NO.		
				LEAVES	WIDTH	HEIGHT				THICKNESS	TYPE		MAT.	GLAZING	HEAD				JAMB	SILL
FIRST FLOOR	001	CORRIDOR to GIRLS TOILET	C	1	3'-0"	7'-0"	1 3/4"	A	SCLCOV	---	F1	H.M.	---	01	H1	J1	---	T1	60 MIN.	001
	002	CORRIDOR to BOYS TOILET	C	1	3'-0"	7'-0"	1 3/4"	A	SCLCOV	---	F2	H.M.	---	01	H1	J1	---	T1	60 MIN.	002
SECOND FLOOR	003	CORRIDOR to BOYS TOILET	C	1	3'-0"	7'-0"	1 3/4"	A	SCLCOV	---	F1	H.M.	---	01	H1	J1	---	T1	60 MIN.	003
	004	LIBRARY #210 to CORRIDOR	B	2	3'-0"	7'-0"	1 3/4"	B	SCLCOV	F.G.	F3	H.M.	---	02	H1	J1	---	T2	60 MIN.	004
	005	CORRIDOR to GIRLS TOILET	C	1	3'-0"	7'-0"	1 3/4"	A	SCLCOV	---	F2	H.M.	---	01	H1	J1	---	T1	60 MIN.	005

ABBREVIATION LEGEND

ALUM.	ALUMINUM	S.F.	SECURITY FILM
S.C.L.C.O.V.	SOLID COMPOSITE LUMBER CORE OAK VENEER	SG-1	1/2" SHOOTER ATTACK GLAZING
M.C.O.V.	MINERAL CORE OAK VENEER	SG-2	1" INSULATED SHOOTER ATTACK GLAZING
S.C.L.M.V.	SOLID COMPOSITE LUMBER CORE MAPLE VENEER	SG-3	20 MIN. RATED SHOOTER ATTACK GLAZING
M.C.M.V.	MINERAL CORE MAPLE VENEER	SG-4	45 MIN. RATED SHOOTER ATTACK GLAZING
F.R.P.	FIBERGLASS REINFORCED POLYESTER	SG-5	60 MIN. SHOOTER ATTACK GLAZING
H.M.	HOLLOW METAL	SG-6	60 MIN. SHOOTER ATTACK GLAZING
F.G.	1/2" FIREGLASS 20	BRG-L1	LEVEL 1 BULLET RESISTANT GLAZING
F.L.P.	1/2" FIRE-LITE PLUS	BRG-L2	LEVEL 2 BULLET RESISTANT GLAZING
PYRO	PYROSTOP GLAZING	BRG-L3	LEVEL 3 BULLET RESISTANT GLAZING
INSUL.	1" INSULATED GLAZING	SGP-L1	LEVEL 1 BULLET RESISTANT SECURITY PANEL
S.L.	1/2" SAFETY LAMINATED GLAZING	SGP-L2	LEVEL 2 BULLET RESISTANT SECURITY PANEL
O.B.S.C.	OBSCURE GLAZING	SGP-L3	LEVEL 3 BULLET RESISTANT SECURITY PANEL
U.O.N.	UNLESS OTHERWISE NOTED		

DOOR NOTES

- ALL DOORS, FRAMES AND HARDWARE SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- GENERAL CONTRACTOR SHALL COORDINATE ALL KEYS WITH OWNER.
- FIRE RATED WOOD DOORS (60 MIN. AND ABOVE ONLY) SHALL HAVE SOLID MINERAL CORE. ALL OTHER WOOD DOORS SHALL HAVE SOLID COMPOSITE LUMBER CORE.
- FLUSH WOOD DOORS SHALL BE 5 PLY LAMINATED FACE SHEETS WITH 2 PLY FINISH VENEER OVER SPECIFIED CORE. AT FIRE RATED DOORS, TOP AND BOTTOM RAILS AND STILES SHALL BE FIRE RESISTANT COMPOSITION MATERIAL BONDED TO CORE. PROVIDE SOLID BLOCKING FOR CLOSER AND HARDWARE. REFER TO SPECIFICATION SECTION 0821 FOR ADDITIONAL INFORMATION.
- ALL GLAZING IN DOORS SHALL BE INSTALLED IN METAL VISION KIT TO MATCH FIRE LABEL. VISION KIT COLOR SHALL BE AS SELECTED BY ARCHITECT. INTERIOR GLAZING TYPES AND SIZES SHALL CONFORM TO NFPA 80 AND/OR ASTM E19. WHERE SECURITY GLAZING IS INDICATED, VISION KIT SHALL BE THROUGH-BOLT TYPE.
- ALL NEW H.M. FRAMES SHALL BE FULLY WELDED WRAP AROUND TYPE (UNLESS OTHERWISE NOTED OR DETAILED). THROATS SHALL BE SIZED ACCORDING TO WALL THICKNESS AND FINISH. REFER TO FLOOR PLAN AND ENLARGED DETAILS FOR ADDITIONAL INFORMATION.
- FOR DOOR REPLACEMENTS IN KIND, GENERAL CONTRACTOR SHALL MODIFY AND PATCH EXISTING WOOD OR H.M. DOOR FRAMES (DESIGNATED TO REMAIN) TO ACCOMMODATE NEW DOOR OPERATOR, LOCKSET, LATCH, HINGES, DOOR SWING AND/OR CLOSER, ETC. AS REQUIRED FOR COMPLETE AND FUNCTIONAL OPERATION.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING HEIGHT AND WIDTH OF PROPOSED DOORS TO BE INSTALLED IN EXISTING FRAMES (PRIOR TO SHOP DRAWING SUBMITTAL) TO ENSURE PROPER FIT AND DOOR FUNCTION.
- ALL NEW HOLLOW METAL FRAMES AND HOLLOW METAL DOORS SHALL BE FINISH PAINTED. REFER TO SPECIFICATION SECTION 0900 FOR PAINT TYPE. COLOR AS SELECTED BY ARCHITECT.
- GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL A.D.A. COMPLIANT SIGNAGE AT ALL DOORS WHERE SPECIFIED IN DOOR SCHEDULE AND/OR SHOWN ON FLOOR PLANS. INSTALL IN CONFORMANCE WITH ALL ADA HEIGHT AND PLACEMENT REQUIREMENTS.
 - ▲ A WHERE DENOTED IN SCHEDULE, PROVIDE 4"x4" SIGNAGE WITH BRAILLE INDICATING ROOM NUMBER (COORD. WITH OWNER). MODEL NO. E-8TCJST.
 - ▲ B WHERE DENOTED IN SCHEDULE, PROVIDE 4"x12" SIGNAGE WITH BRAILLE INDICATING ROOM NAME AND NUMBER (COORD. WITH OWNER). MODEL NO. E-8TCJST.
 - ▲ C WHERE DENOTED IN SCHEDULE, PROVIDE 9"x9" SIGNAGE WITH BRAILLE INDICATING GENDER AND WHEELCHAIR PICTOGRAMS AND ROOM NAME AT MULTI-USE TOILET ROOMS.
 - AT MULTI-USE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. X-5687 (WOMEN), X-5672 (MEN), X-7095 (BOYS), X-7096 (GIRLS).
 - AT MULTI-USE ACCESSIBLE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. X-5688 (WOMEN), X-5671 (MEN), X-7108 (BOYS), X-7107 (GIRLS).
 - ▲ D WHERE DENOTED IN SCHEDULE, PROVIDE 9"x9" SIGNAGE WITH BRAILLE INDICATING GENDER AND WHEELCHAIR PICTOGRAMS AND ROOM NAME AT SINGLE-USE TOILET ROOMS.
 - AT SINGLE-USE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. E-8TCJST. SIGN SHALL SPECIFY STAFF OR STUDENT USE AS REQUIRED.
 - AT SINGLE-USE ACCESSIBLE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. E-8TCJST. SIGN SHALL SPECIFY STAFF OR STUDENT USE AS REQUIRED.
- MANUFACTURER: "ALL STATE SIGN AND PLAQUE", DEER PARK, NY OR APPROVED EQUAL. ALL SIGNAGE SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL. COLOR AS SELECTED BY ARCHITECT.
- ALL REMOVABLE MULLIONS ARE TO BE KEYS ALIKE AND TO MATCH EXISTING BUILDING SYSTEM.
- AUTOMATIC DOOR OPERATORS - THE ELECTRICAL CONTRACTOR SHALL PROVIDE A LINE VOLTAGE CIRCUIT TO THE AUTO OPERATOR. LOCATION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WIRING ASSOCIATED WITH AUTOMATIC DOOR OPERATORS, INCLUDING ELECTRONIC STRIKE, PUSH BUTTONS, TRANSFORMERS AND ANY OTHER DEVICES REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- FIRE RATED GLAZING WITH SURFACE APPLIED FILMS WILL NOT BE CONSIDERED EQUIVALENT WHERE LAMINATED FILM IS SPECIFIED.



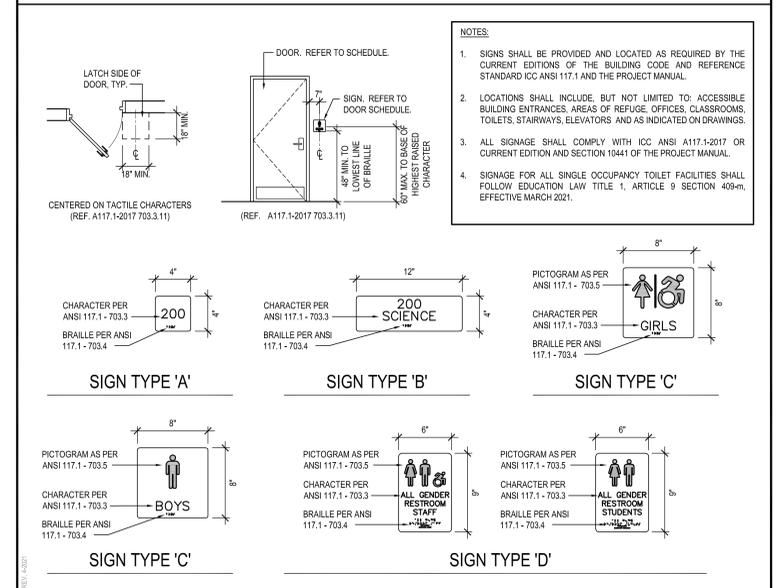
FRAME TYPE ELEVATIONS

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

DOOR TYPE ELEVATIONS

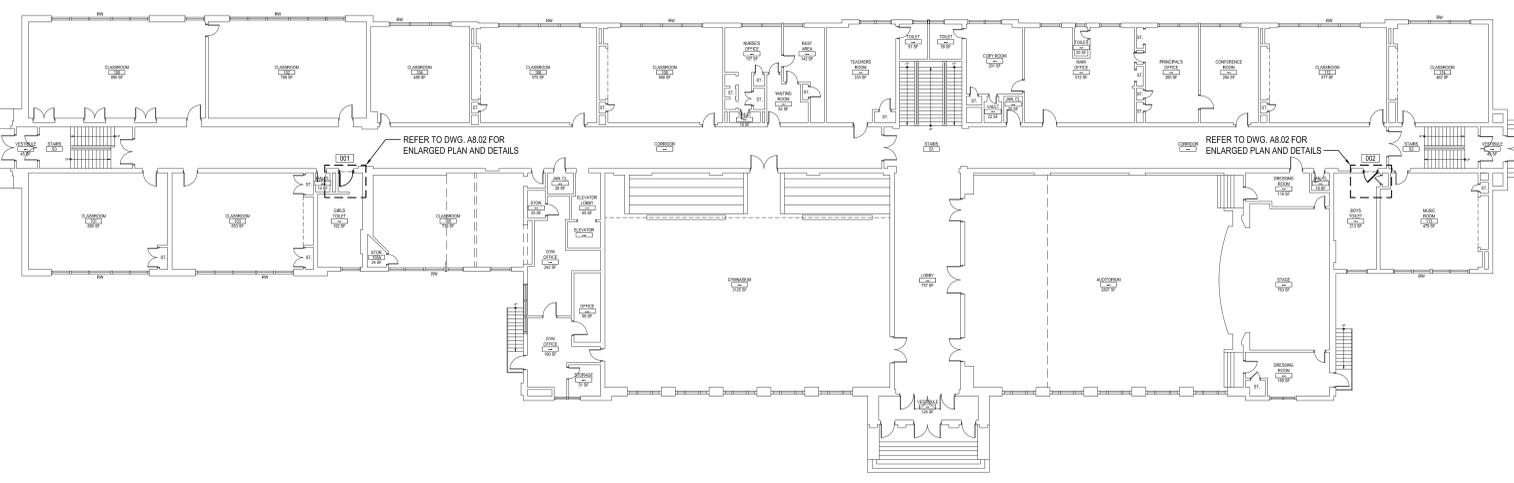
NOTE: REFER TO DOOR SCHEDULE FOR DOOR MATERIAL AND GLAZING TYPE (WHERE APPLICABLE). SCALE: 1/4" = 1'-0"

TYPICAL ADA SIGNAGE DETAILS



DOOR REPLACEMENT SECOND FLOOR KEY PLAN

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

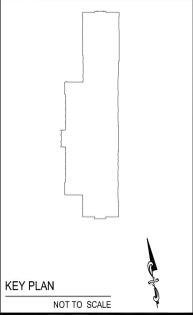


DOOR REPLACEMENT FIRST FLOOR KEY PLAN

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

REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY
 PROJECT
 DRAWING BY: S.E.S.
 CHECK BY: J.W.W.
 DWG TITLE
 DOOR SCHEDULE

NOTICE

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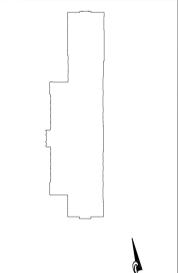
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SED No:	66-04-07-06-0-005-012
DISTRICT:	GREENBURGH CSD
PROJECT:	PH I - DW CAP IMPROVEMENTS R.J. BAILEY E.S.
DWG TITLE:	DOOR SCHEDULE
SCALE:	AS NOTED
DATE:	MAY 2022
BID PICK-UP:	MAY 27, 2022
FILE No:	21-290

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REV.	DATE	ITEM

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 NOT TO SCALE

GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY
 DWG TITLE
 DOOR DETAILS

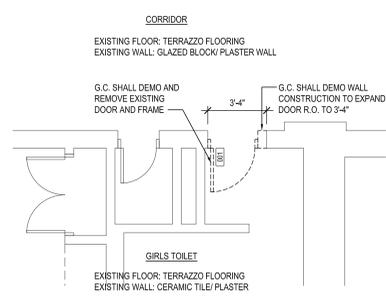
DRAWING BY: S.E.S.
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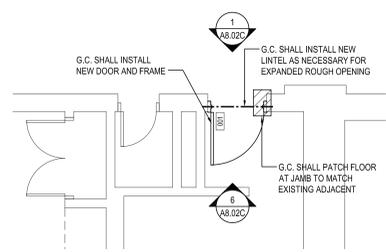
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 R.J. BAILEY E.S.
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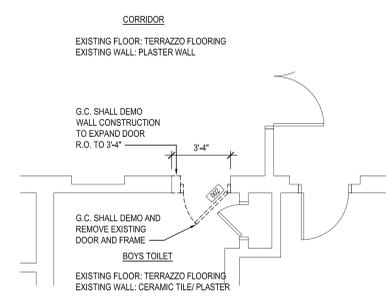
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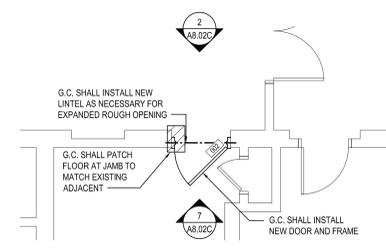
DOOR REPLACEMENT #001 DEMOLITION PLAN
 FIRST FLOOR - GIRLS TOILET
 SCALE: 1/4" = 1'-0"



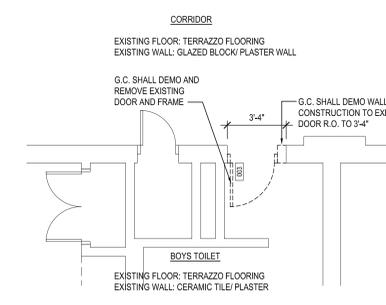
DOOR REPLACEMENT #001 PROPOSED PLAN
 FIRST FLOOR - GIRLS TOILET
 SCALE: 1/4" = 1'-0"



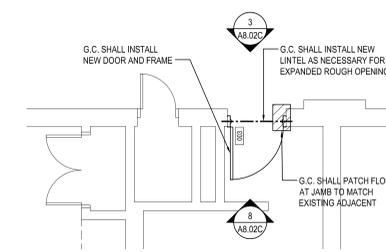
DOOR REPLACEMENT #002 PLAN
 FIRST FLOOR - BOYS TOILET
 SCALE: 1/4" = 1'-0"



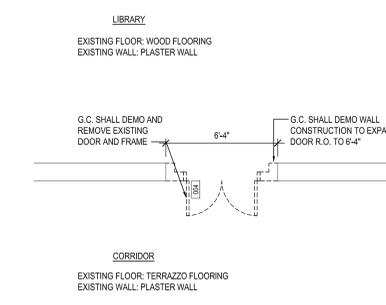
DOOR REPLACEMENT #002 PLAN
 FIRST FLOOR - BOYS TOILET
 SCALE: 1/4" = 1'-0"



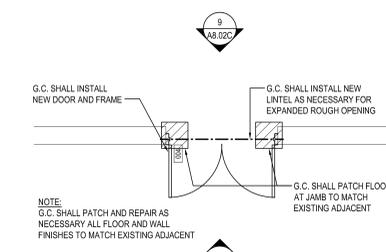
DOOR REPLACEMENT #003 PLAN
 SECOND FLOOR - BOYS TOILET
 SCALE: 1/4" = 1'-0"



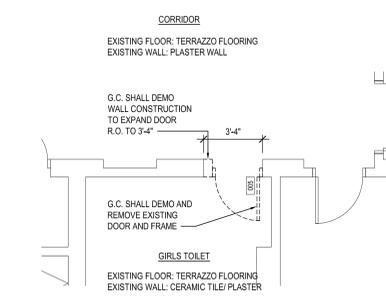
DOOR REPLACEMENT #003 PLAN
 SECOND FLOOR - BOYS TOILET
 SCALE: 1/4" = 1'-0"



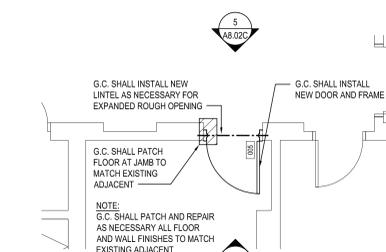
DOOR REPLACEMENT #004 PLAN
 SECOND FLOOR - LIBRARY
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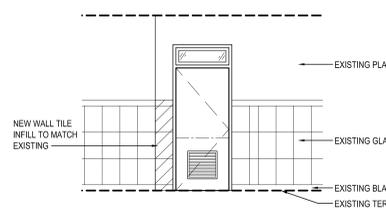
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 SECOND FLOOR - LIBRARY
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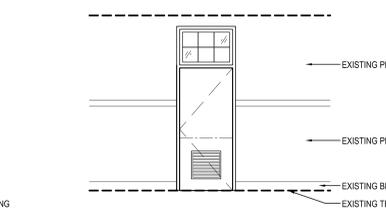
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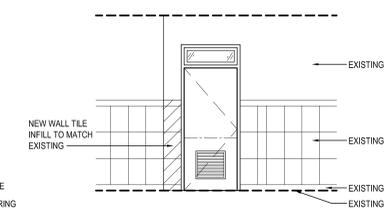
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 SECOND FLOOR - GIRLS TOILET
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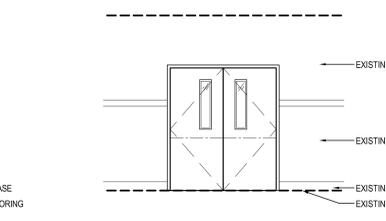
1 PROPOSED DOOR ELEVATION
 CORRIDOR
 SCALE: 1/4" = 1'-0"



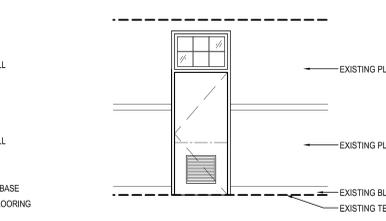
2 PROPOSED DOOR ELEVATION
 CORRIDOR
 SCALE: 1/4" = 1'-0"



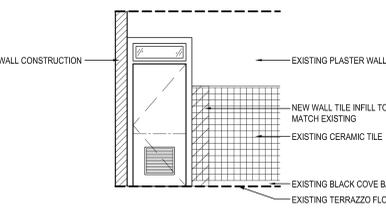
3 PROPOSED DOOR ELEVATION
 CORRIDOR
 SCALE: 1/4" = 1'-0"



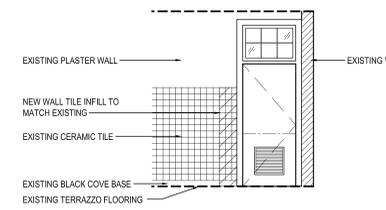
4 PROPOSED DOOR ELEVATION
 CORRIDOR
 SCALE: 1/4" = 1'-0"



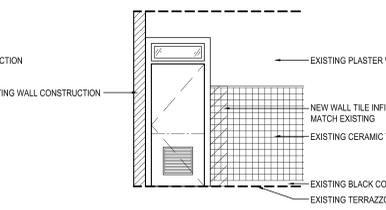
5 PROPOSED DOOR ELEVATION
 CORRIDOR
 SCALE: 1/4" = 1'-0"



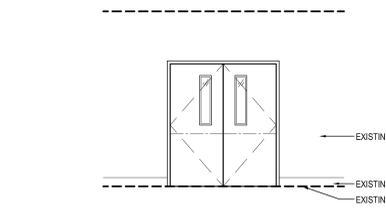
6 PROPOSED DOOR ELEVATION
 TOILET INTERIOR
 SCALE: 1/4" = 1'-0"



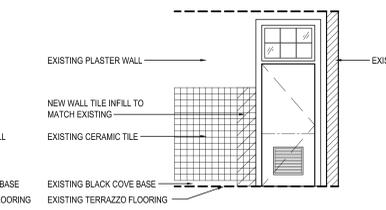
7 PROPOSED DOOR ELEVATION
 TOILET INTERIOR
 SCALE: 1/4" = 1'-0"



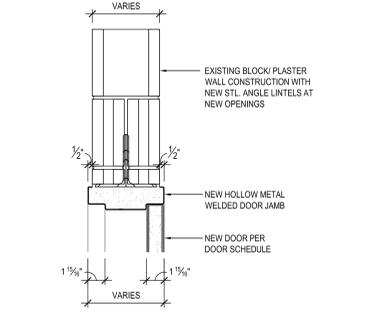
8 PROPOSED DOOR ELEVATION
 TOILET INTERIOR
 SCALE: 1/4" = 1'-0"



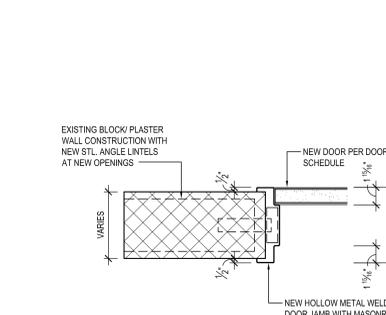
9 PROPOSED DOOR ELEVATION
 LIBRARY INTERIOR
 SCALE: 1/4" = 1'-0"



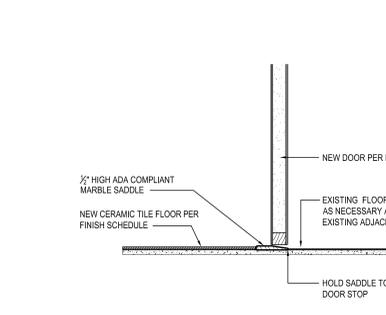
10 PROPOSED DOOR ELEVATION
 TOILET INTERIOR
 SCALE: 1/4" = 1'-0"



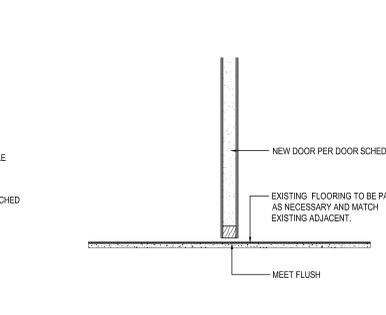
H1 HEAD DETAIL
 SCALE: 1-1/2" = 1'-0"



J1 JAMB DETAIL
 SCALE: 1-1/2" = 1'-0"



T1 THRESHOLD DETAIL
 NOTE: SHALL BE INSTALLED IN ACCORDANCE WITH ANS1 A117.1-2009
 SCALE: 1-1/2" = 1'-0"



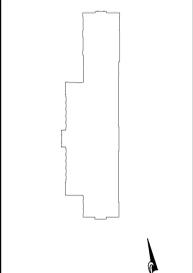
T2 THRESHOLD DETAIL
 SCALE: 1-1/2" = 1'-0"

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NOTES

- MC TO SHUT-OFF STEAM PIPING, DISCONNECT EXISTING UV AND CAP PIPING FOR FUTURE CONNECTION. MC TO REMOVE THE UV, GC TO PATCH WALL OPENING.
- EXISTING STEAM CAST IRON RADIATOR TO REMAIN
- MC TO SHUT-OFF STEAM PIPING, DISCONNECT EXISTING STEAM RADIATOR AND CAP PIPING CLOSE TO MAIN. MC TO REMOVE THE RADIATOR AND GC TO PATCH WALL/SLAB OPENINGS
- MC TO SHUT-OFF AND CAP DOMESTIC HOT AND COLD PIPING, DRAINAGE, DISCONNECT AND REMOVE SINK FOR FUTURE RELOCATION. GC SHALL SAW CUT EXISTING FLOOR SLAB TO ACCOMMODATE NEW PLUMBING WORK IF NECESSARY. G.C. TO PATCH FLOOR (WALL), MATCH EXISTING AND COORDINATE WITH M.C. PRIOR TO DEMOLITION
- EXISTING 24X10 EXHAUST GRILLE IN CLOSET TO REMAIN. (TYP.)
- REMOVE SMALL WINDOW FAN IN EACH CLASSROOM WHERE NEW UV IS INSTALLED



PROJECT: GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE: MECHANICAL BASEMENT DEMOLITION PLAN

DRAWING BY:
 CHECK BY:

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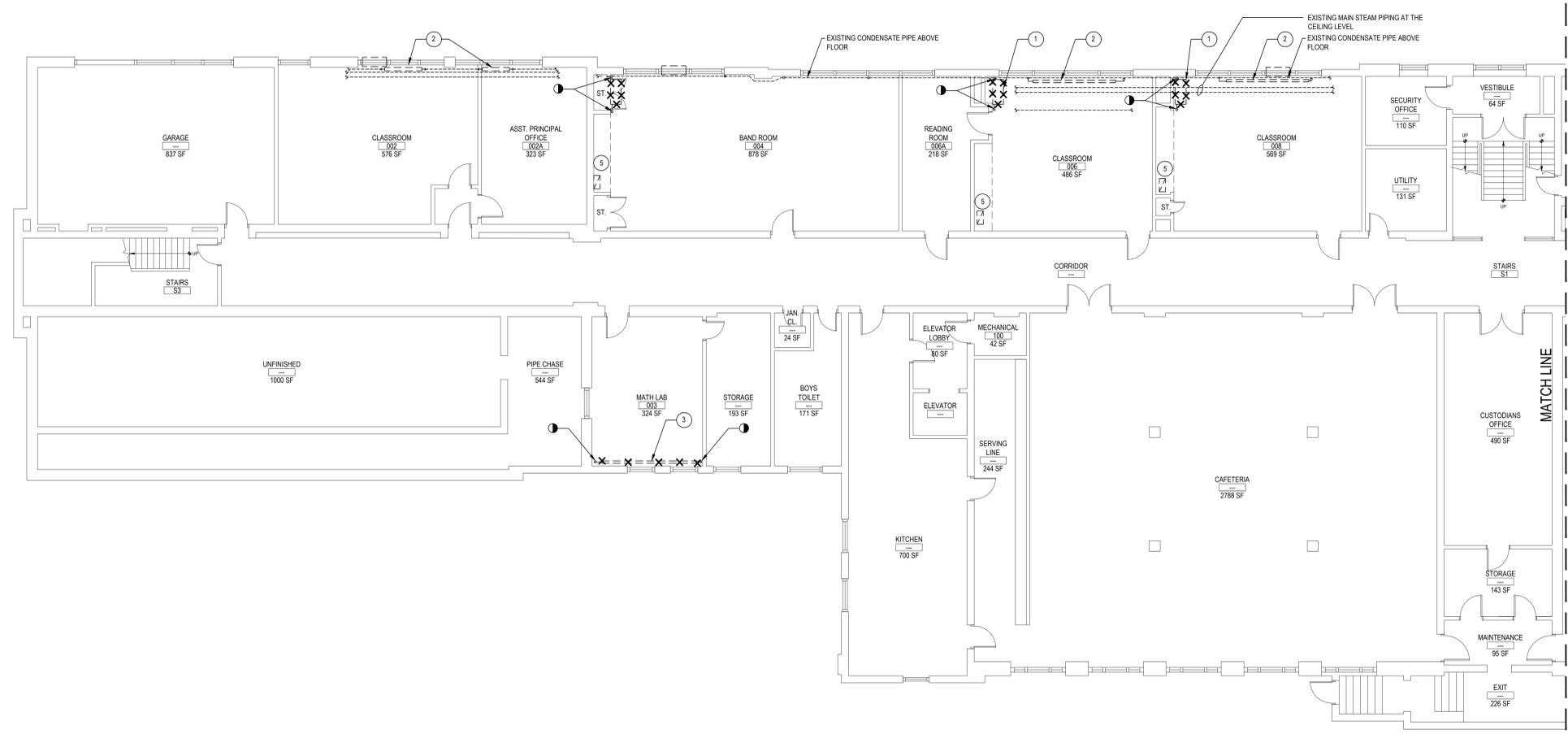
DISTRICT: GREENBURGH CSD

PROJECT: PH I - DW CAP IMPROVEMENTS
 R.J. BAILEY E.S.

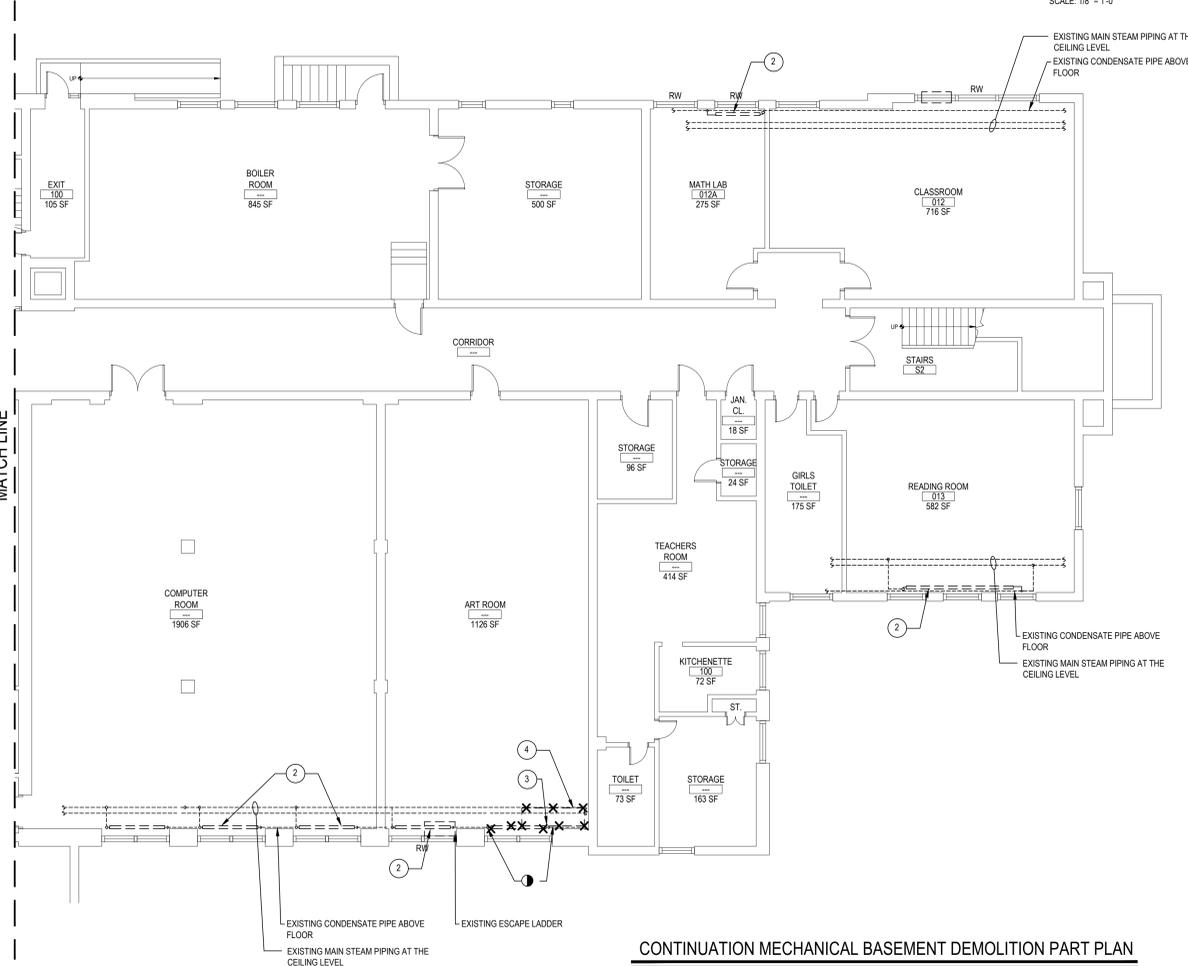
DWG TITLE: MECHANICAL BASEMENT DEMOLITION PLAN

SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-290

M1.01C OF ---



MECHANICAL BASEMENT DEMOLITION PART PLAN
 SCALE: 1/8" = 1'-0"

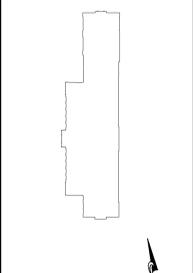


CONTINUATION MECHANICAL BASEMENT DEMOLITION PART PLAN
 SCALE: 1/8" = 1'-0"

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

PROJECT
GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
RICHARD J. BAILEY ELEMENTARY SCHOOL
WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
MECHANICAL BASEMENT NEW PLAN

DRAWING BY: D.S.
CHECK BY: D.S.

NOTICE

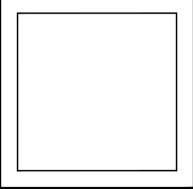
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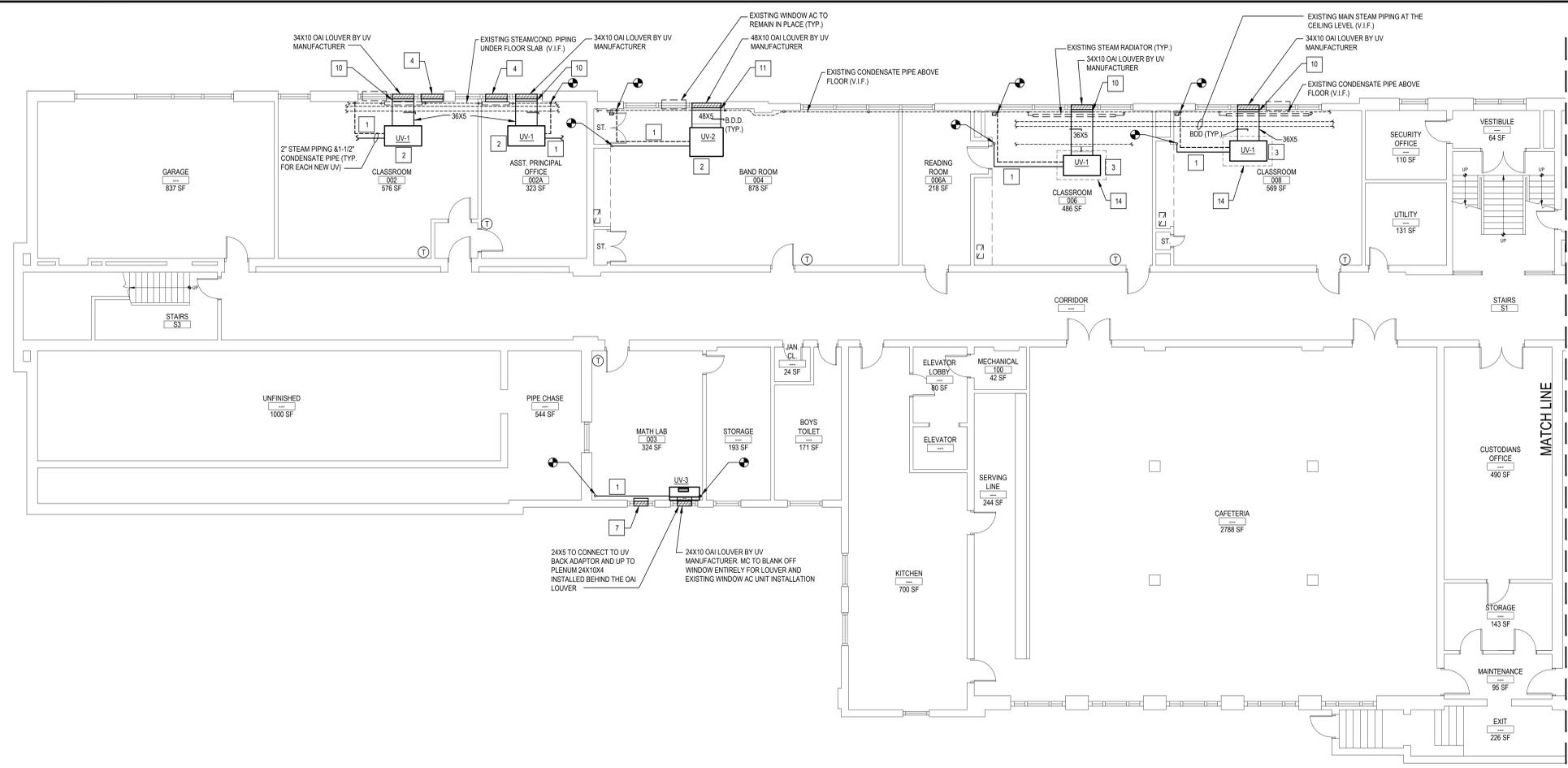
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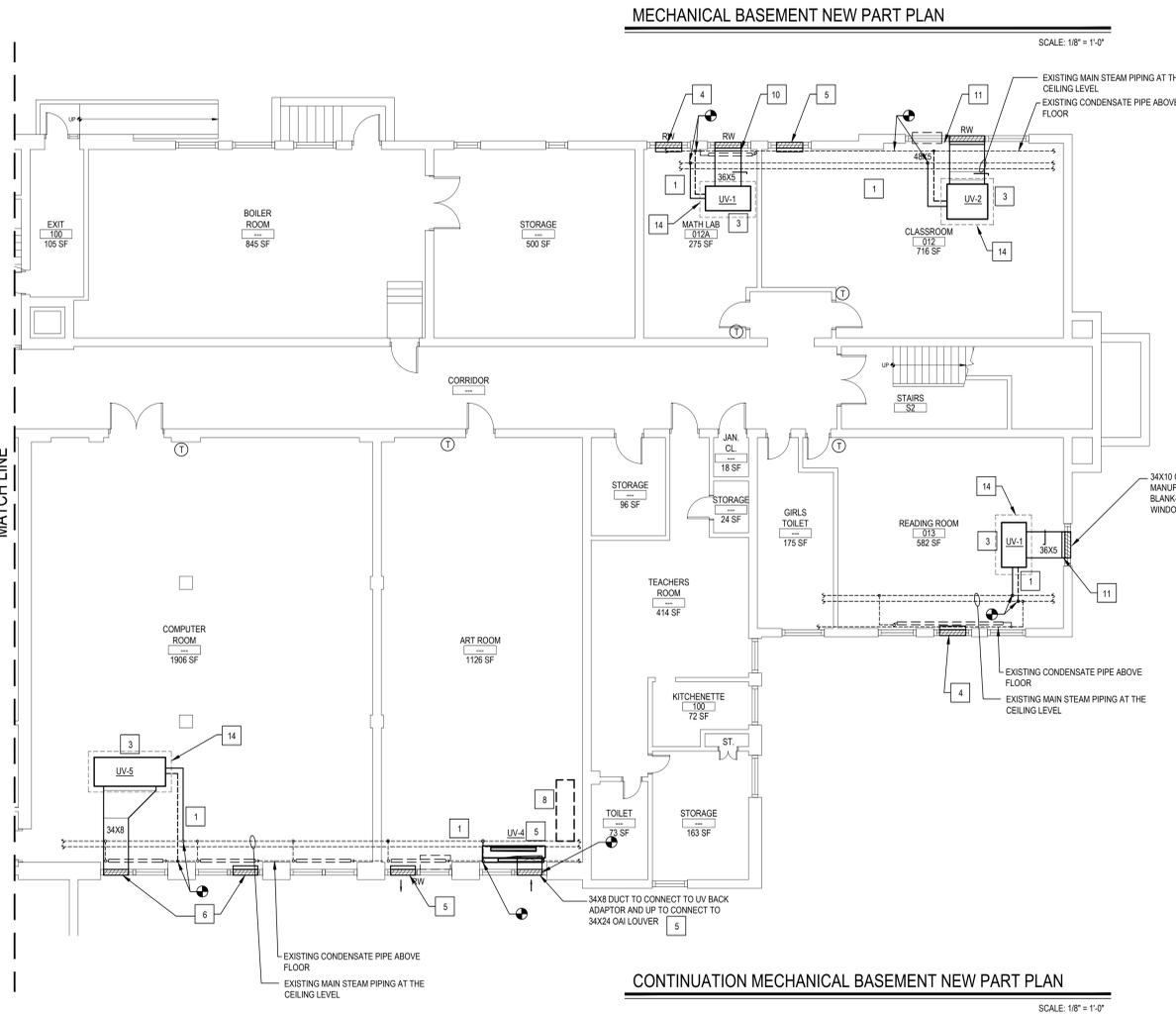


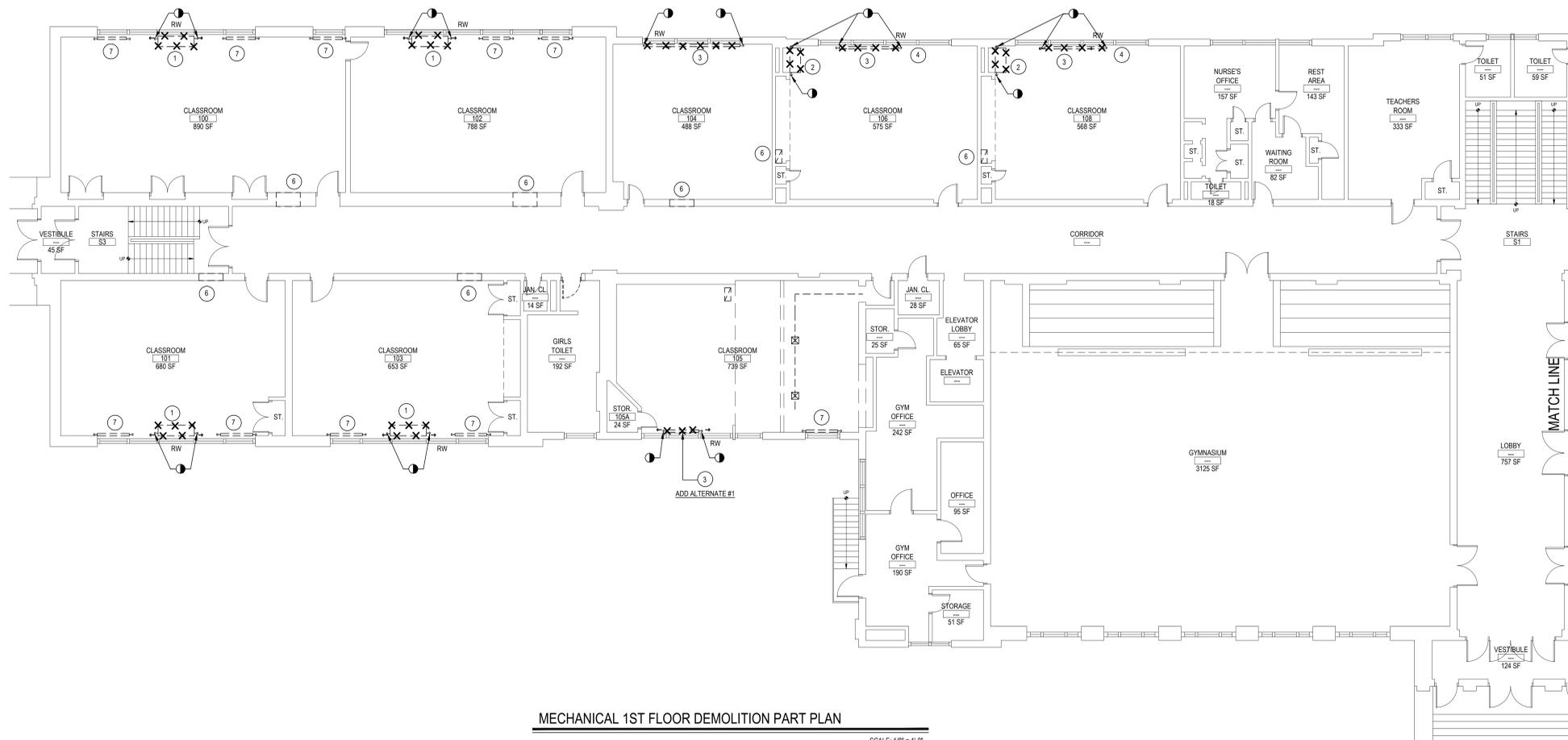
SED No: 66-04-07-06-0-005-012
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS
R.J. BAILEY E.S.
DWG TITLE: MECHANICAL BASEMENT
NEW PLAN
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-290

M1.02C OF ---

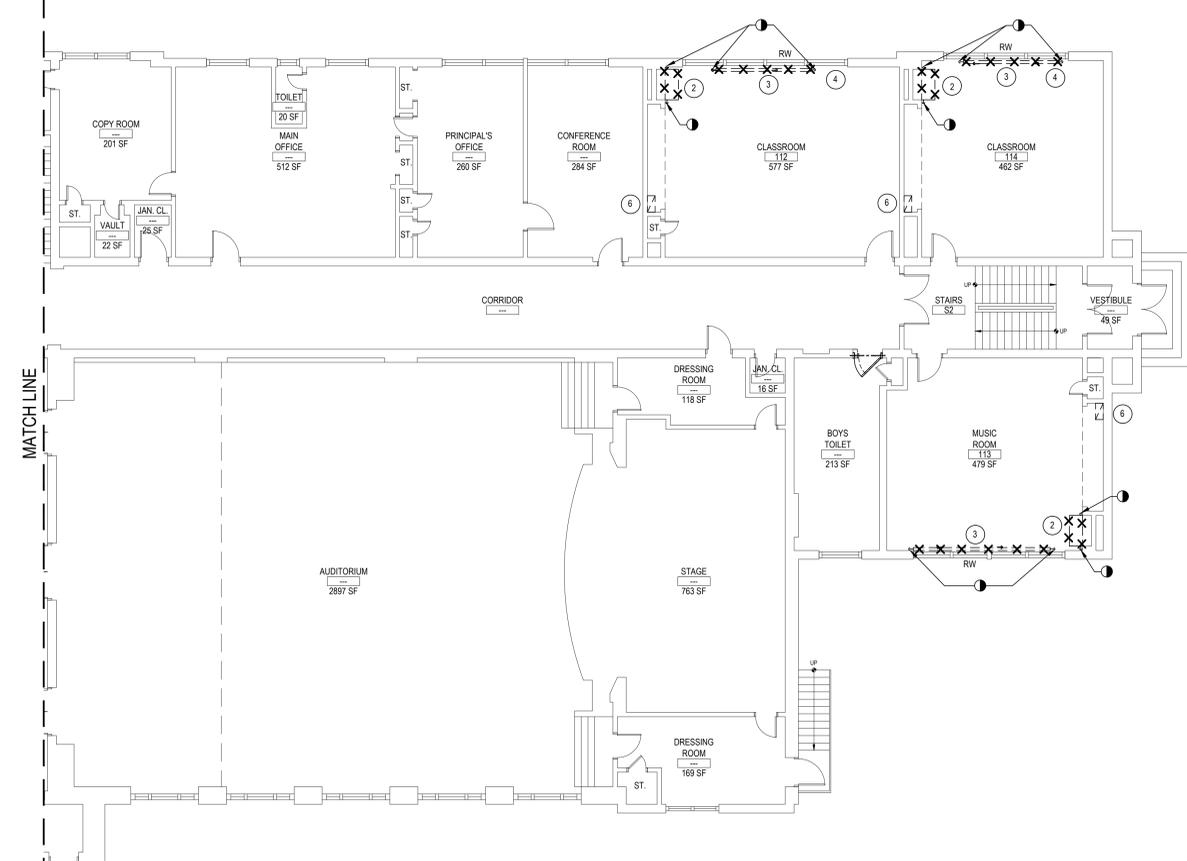


- NOTES:**
- CONNECT NEW 2" STEAM PIPING & 1-1/2" CONDENSATE PIPE TO EXISTING MAIN PIPING. VERIFY IN FIELD EXACT STEAM MAIN PIPING LOCATION. WHERE PIPING RUNS UNDER THE FLOOR SLAB GC TO SAW CUT THE SLAB TO ACCOMMODATE NEW WORK. GC TO PATCH FLOOR. MATCH EXISTING AND COORDINATE WORK WITH MC WHERE STEAM PIPING RUNS ABOVE HUNG CEILING. GC TO REPAIR THE CEILING AFTER WORK IS DONE.
 - NEW HORIZONTAL UNIT VENTILATOR SURFACE MOUNTED RIGHT UNDER EXISTING CEILING GRID AND HUNG FROM THE STRUCTURE ABOVE. MC TO PROVIDE ALL SUPPLEMENTAL STRUCTURAL SUPPORT FRAMING. FOR MORE INFORMATION SEE DETAIL ON DWG M6.02C
 - NEW HORIZONTAL UNIT VENTILATOR MOUNTED CLOSE TO THE PLASTER CEILING AND HUNG FROM THE STRUCTURE ABOVE. MC TO PROVIDE ALL SUPPLEMENTAL STRUCTURAL SUPPORT FRAMING. FOR MORE INFORMATION SEE DETAIL ON DWG M6.02C
 - NEW RELIEF LOUVER, 34X16 GREENHECK, MODEL EHH-401, WITH RELIEF DAMPER MODEL BR-30. MC TO PROVIDE A DUCT SLEEVE TO MATE THE LOUVER AND THE DAMPER. MC TO INSTALL LOUVER IN THE NEW METAL PANEL INSTALLED BY GC. SEE ARCH. DWGS. FOR MORE INFORMATION REGARDING EXACT LOCATION.
 - NEW RELIEF AND OAI LOUVER, 34X24 GREENHECK, MODEL EHH-401, RELIEF LOUVER TO BE PROVIDED WITH RELIEF DAMPER MODEL BR-30. MC TO PROVIDE A DUCT SLEEVE TO MATE THE LOUVER AND THE DAMPER. MC TO INSTALL LOUVER IN THE NEW METAL PANEL INSTALLED BY GC. SEE ARCH. DWGS. FOR MORE INFORMATION REGARDING EXACT LOCATION.
 - NEW RELIEF AND OAI LOUVER, 34X28 GREENHECK, MODEL EHH-401, RELIEF LOUVER TO BE PROVIDED WITH RELIEF DAMPER MODEL BR-30. MC TO PROVIDE A DUCT SLEEVE TO MATE THE LOUVER AND THE DAMPER. MC TO INSTALL LOUVER IN THE NEW METAL PANEL INSTALLED BY GC. SEE ARCH. DWGS. FOR MORE INFORMATION REGARDING EXACT LOCATION.
 - NEW RELIEF LOUVER, 24X16 GREENHECK, MODEL EHH-401, WITH RELIEF DAMPER MODEL BR-30. MC TO PROVIDE A DUCT SLEEVE TO MATE THE LOUVER AND THE DAMPER. MC TO INSTALL LOUVER IN THE NEW METAL PANEL INSTALLED BY GC. SEE ARCH. DWGS. FOR MORE INFORMATION REGARDING EXACT LOCATION.
 - M.C. TO RECONNECT HOT AND COLD WATER PIPING AND DRAINAGE TO THE RELOCATED SINK, EXTEND PIPE BRANCHES IF NECESSARY AND COORDINATE WORK WITH GC
 - CONNECT 36X5 DUCT TO 36X10X4 PLENUM INSTALLED BEHIND THE NEW OAI LOUVER
 - CONNECT 48X5 DUCT TO 48X10X4 PLENUM INSTALLED BEHIND THE NEW OAI LOUVER
 - CONTROLS BY CONTROLS SUBCONTRACTOR UNDER CONTRACT TO MECHANICAL CONTRACTOR. SEE ATC SPECIFICATION FOR MORE INFORMATION
 - MC TO COORDINATE WORK WITH EC. EC TO RELOCATE AND REWIRE ALL ELECTRICAL OUTLETS THAT INTERFERE WITH NEW UV LOCATION.
 - MC TO CUT OPENING IN CEILING TO ALLOW INSTALLATION OF THE UV FROM STRUCTURE ABOVE. GC TO PATCH CEILING AFTER WORK IS DONE. MC TO COORDINATE WORK WITH GC





MECHANICAL 1ST FLOOR DEMOLITION PART PLAN
SCALE: 1/8" = 1'-0"



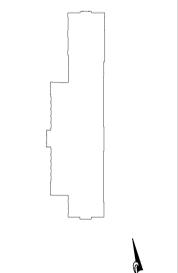
CONTINUATION MECHANICAL 1ST FLOOR DEMOLITION PART PLAN
SCALE: 1/8" = 1'-0"

- NOTES:
- MC TO SHUT-OFF STEAM PIPING. DISCONNECT EXISTING UV AND CAP PIPING BACK TO MAINS. MC TO REMOVE THE UV AND GC PATCH FLOOR WALL (SEE GENERAL NOTES). MC TO REMOVE EXISTING OIL LOUVER AND REUSE EXISTING WALL OPENING FOR NEW LOUVER INSTALLATION. GO TO ENLARGE EXISTING OPENING IF NECESSARY TO ACCOMMODATE NEW LOUVER INSTALLATION. MC TO COORDINATE WORK WITH GC.
 - MC TO SHUT-OFF STEAM PIPING. DISCONNECT EXISTING UV AND CAP PIPING BACK TO THE MAINS. MC TO REMOVE THE UV AND GC PATCH CHASE WALL.
 - MC TO SHUT-OFF STEAM PIPING. DISCONNECT EXISTING STEAM RADIATOR AND CAP PIPING CLOSE TO MAINS. MC TO REMOVE THE RADIATOR AND GC TO PATCH FLOOR WALL OPENINGS.
 - GO TO REMOVE THE SHELF ADJACENT TO THE WINDOW SILL IN ORDER TO ALLOW PROPER FUNCTIONING OF THE NEW UV. GO TO COORDINATE WORK WITH MC.
 - NA
 - EXISTING 24X10 EXHAUST GRILLE IN CLOSET OR WALL TO REMAIN. (TYP)
 - EXISTING STEAM CAST IRON RADIATOR TO REMAIN
 - REMOVE SMALL WINDOW FAN IN EACH CLASSROOM WHERE NEW UV IS INSTALLED

- MC CONTRACTOR NOTES:
- MC TO FIELD VERIFY EXACT LOCATION OF EXISTING MAIN STEAM AND CONDENSATE PIPING.
 - MC TO SHUT-OFF & DISCONNECT STEAM AND CONDENSATE PIPING SERVING EXISTING UV/STEAM RADIATOR THAT WILL BE REMOVED.
 - ALL STEAM/CONDENSATE PIPING MODIFIED OR REUSED ARE TO BE CAPPED BACK TO THE MAINS.
 - MC TO REMOVE ALL EXISTING UNIT VENTILATORS/STEAM RADIATOR AS INDICATE ON DWG. G.C. TO PATCH CHASE WALL TO MATCH EXISTING
 - MC TO CORE DRILL EXISTING FLOOR SLAB TO ACCOMMODATE NEW PIPING WORK. G.C. TO PATCH FLOOR, MATCH EXISTING AND COORDINATE WITH M.C.
 - M.C. TO DRILL WALL IF NEW PENETRATION REQUIRED FOR NEW PIPING AND PATCH WALL.

REV.	DATE	ITEM

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PROJECT
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PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
RICHARD J. BAILEY ELEMENTARY SCHOOL
WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

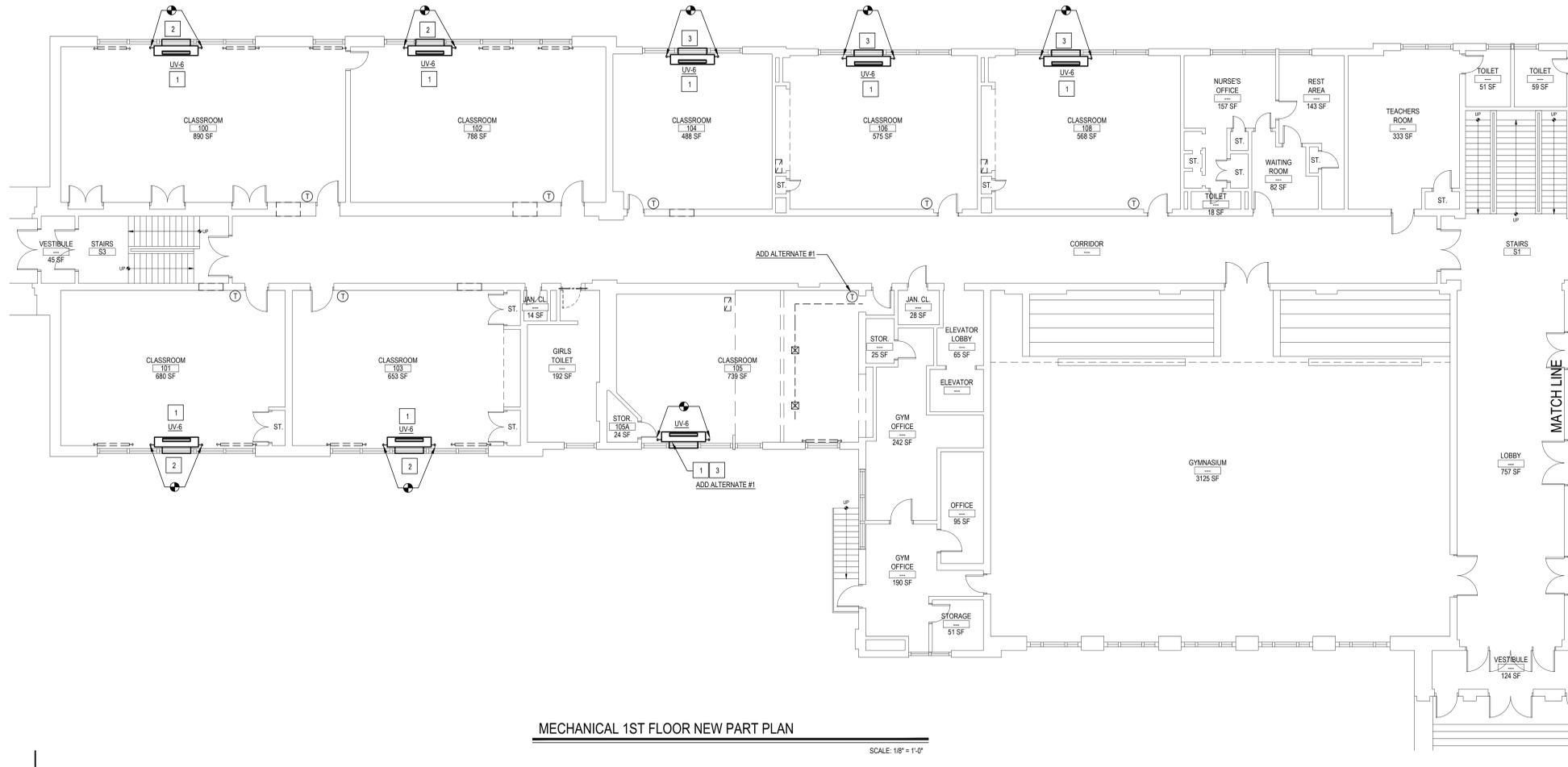
DWG TITLE
MECHANICAL 1ST FLOOR DEMOLITION PLAN

DRAWING BY: D.S.
CHECK BY: D.S.

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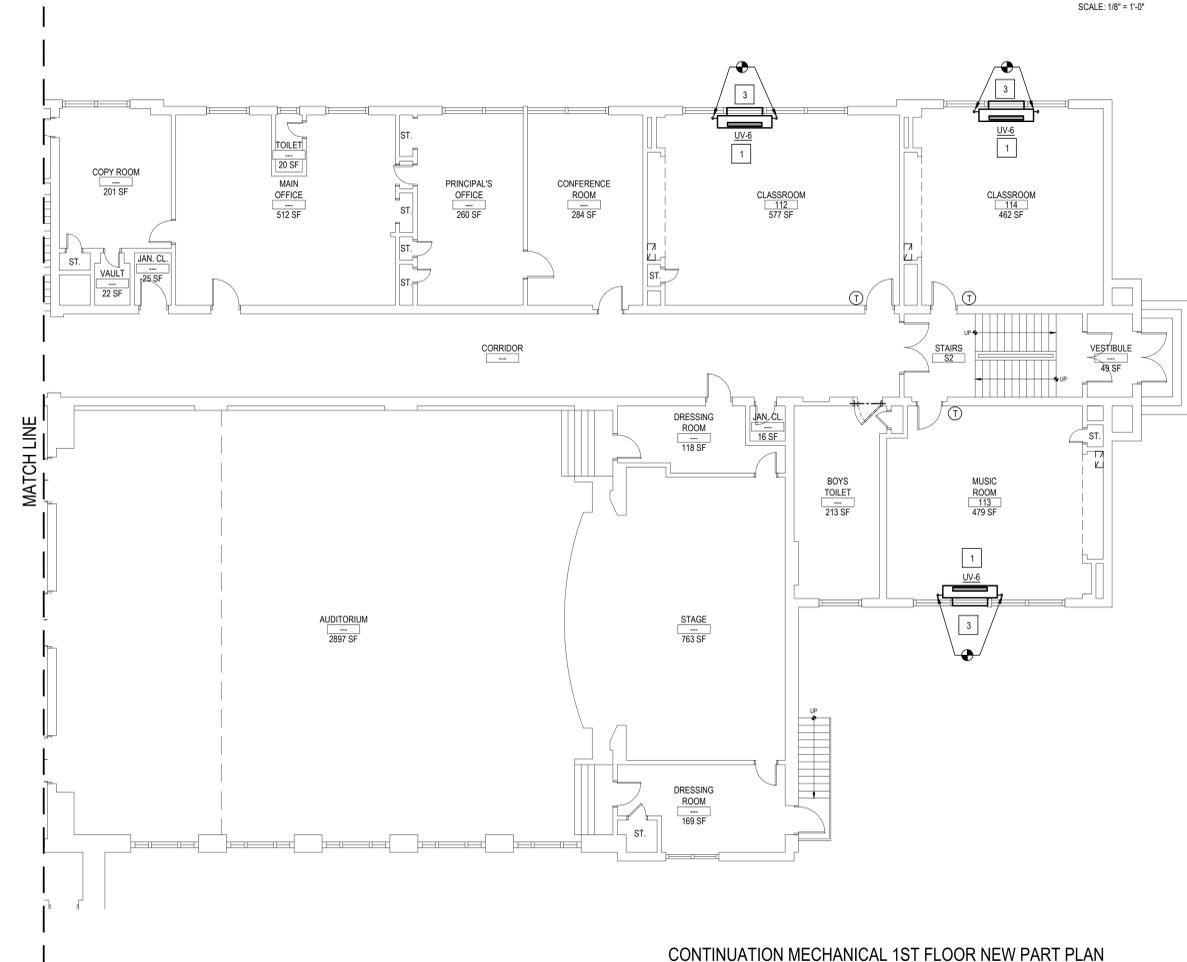
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DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS R.J. BAILEY E.S.
DWG TITLE: MECHANICAL 1ST FLOOR DEMOLITION PLAN
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-290



MECHANICAL 1ST FLOOR NEW PART PLAN

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



CONTINUATION MECHANICAL 1ST FLOOR NEW PART PLAN

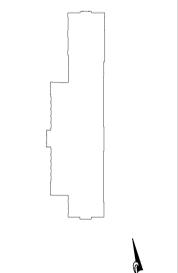
SCALE: 1/8" = 1'-0"

NOTES:

- 1 CONNECT NEW 2" STEAM PIPING & 1-1/2" CONDENSATE PIPE FROM THE NEW UV-6 UNIT TO EXISTING MAIN PIPING. VERIFY IN FIELD EXACT STEAM MAIN PIPING LOCATION WHERE PIPING RUNS UNDER THE FLOOR. GC TO CORE DRILL THE FLOOR TO ACCOMMODATE NEW WORK. GC TO PATCH FLOOR. MATCH EXISTING AND COORDINATE WORK WITH MC. WHERE STEAM PIPING RUNS ABOVE HUNG CEILING, GC TO REPAIR THE CEILING AFTER WORK IS DONE.
- 2 NEW 48X10 EXTERIOR OAI RAIN RESISTANT LOUVER BY UV MANUFACTURER. MC TO REUSE EXISTING WALL OPENING. GC TO ADJUST IT TO FIT NEW LOUVER. MC TO COORDINATE WORK WITH GC.
- 3 NEW 48X10 EXTERIOR OAI RAIN RESISTANT LOUVER BY UV MANUFACTURER. GC TO PENETRATE EXTERIOR WALL FOR NEW OPENING AND MC TO INSTALL LOUVER. MC TO COORDINATE WORK WITH GC.
- 4 CONTROLS BY CONTROLS SUBCONTRACTOR UNDER CONTRACT TO MECHANICAL CONTRACTOR. SEE ATC SPECIFICATION FOR MORE INFORMATION.
- 5 MC TO COORDINATE WORK WITH EC. EC TO RELOCATE AND REWIRE ALL ELECTRICAL OUTLETS THAT INTERFERE WITH NEW UV LOCATION.

REV.	DATE	ITEM

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 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 MECHANICAL 1ST FLOOR NEW PLAN

DRAWING BY: D.S.
 CHECK BY: D.S.

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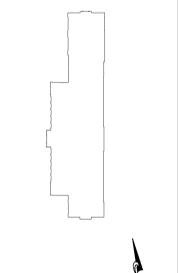
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 DWG TITLE: MECHANICAL 1ST FLOOR NEW PLAN
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KEY PLAN
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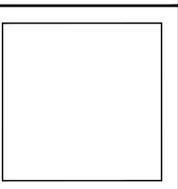
PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 MECHANICAL 2ND FLOOR DEMOLITION PLAN

DRAWING BY: D.S.
 CHECK BY: D.S.

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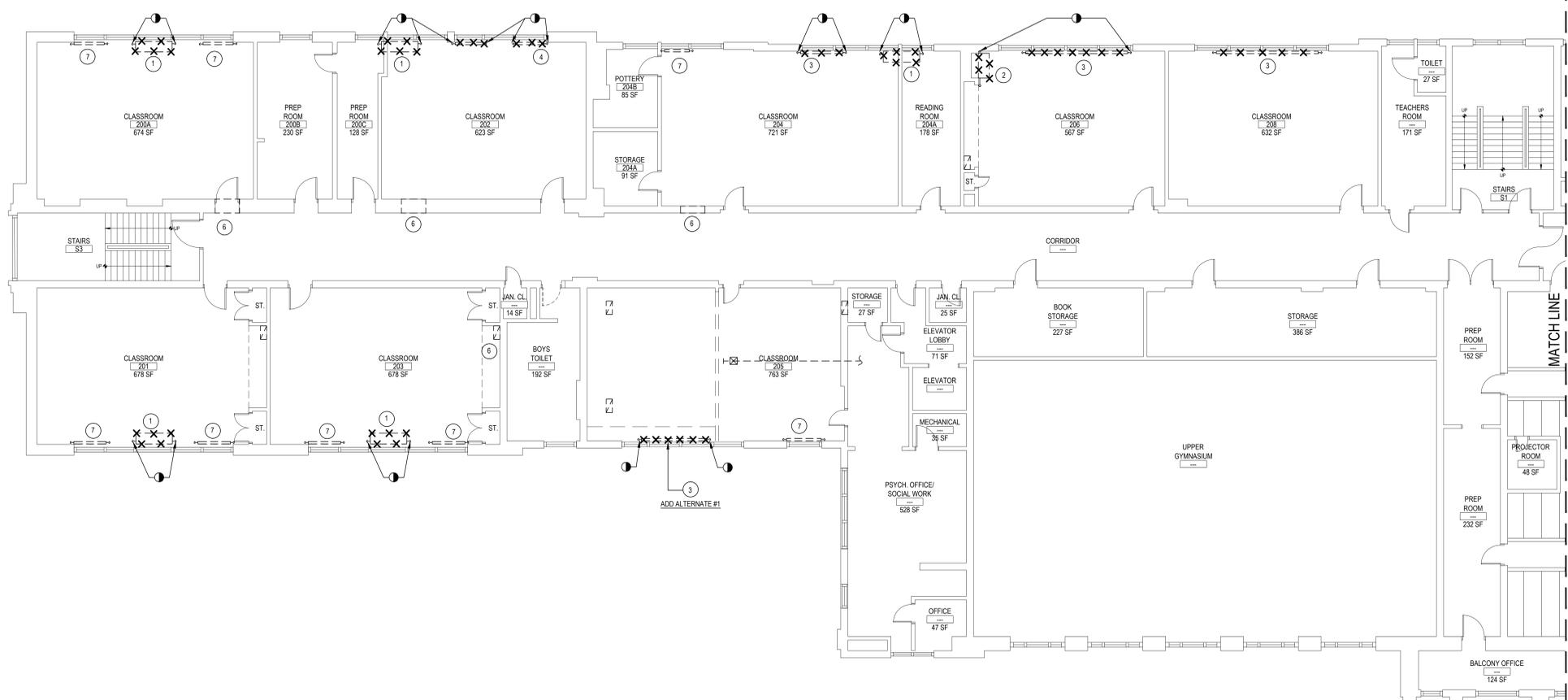


SED No: 66-04-07-06-0-005-012
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS R.J. BAILEY E.S.
 DWG TITLE: MECHANICAL 2ND FLOOR DEMOLITION PLAN
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-290

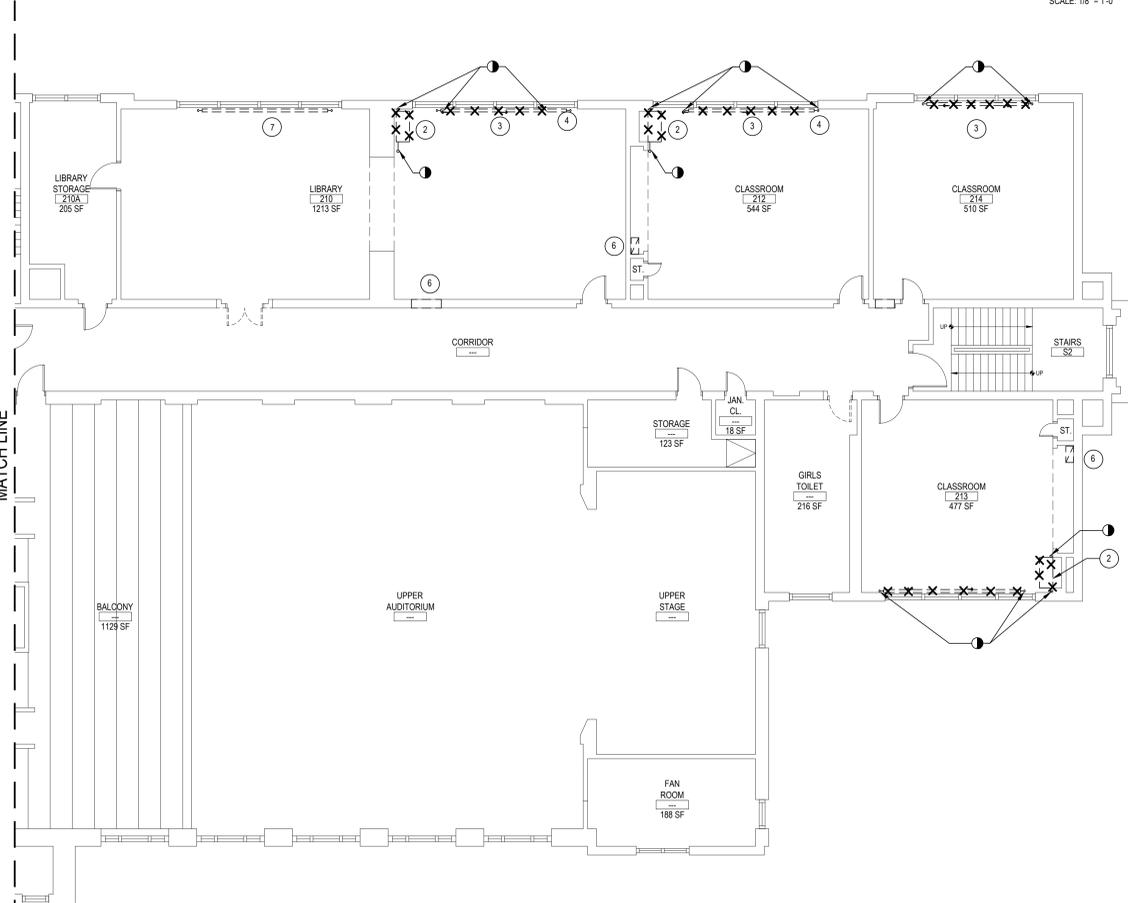
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- NOTES:**
- MC TO SHUT-OFF STEAM PIPING, DISCONNECT EXISTING UV AND CAP PIPING BACK TO MAINS. MC TO REMOVE THE UV AND GC PATCH FLOOR WALL (SEE GENERAL NOTES). MC TO REMOVE EXISTING OIL LOUVER AND REUSE EXISTING WALL OPENING FOR NEW LOUVER INSTALLATION. GC TO ENLARGE EXISTING OPENING IF NECESSARY TO ACCOMMODATE NEW LOUVER INSTALLATION. MC TO COORDINATE WORK WITH GC.
 - MC TO SHUT-OFF STEAM PIPING, DISCONNECT EXISTING UV AND CAP PIPING BACK TO THE MAINS. MC TO REMOVE THE UV AND GC PATCH CHASE WALL.
 - MC TO SHUT-OFF STEAM PIPING, DISCONNECT EXISTING STEAM RADIATOR AND CAP PIPING CLOSE TO MAINS. MC TO REMOVE THE RADIATOR AND GC TO PATCH FLOOR WALL OPENINGS.
 - GC TO REMOVE THE SHELF ADJACENT TO THE WINDOW SILL IN ORDER TO ALLOW PROPER FUNCTIONING OF THE NEW UV. GC TO COORDINATE WORK WITH MC.
 - NA
 - EXISTING 24X10 EXHAUST GRILLE IN CLOSET OR WALL TO REMAIN. (TYP.)
 - EXISTING STEAM CAST IRON RADIATOR TO REMAIN.
 - REMOVE SMALL WINDOW FAN IN EACH CLASSROOM WHERE NEW UV IS INSTALLED.

- MC CONTRACTOR NOTES:**
- MC TO FIELD VERIFY EXACT LOCATION OF EXISTING MAIN STEAM AND CONDENSATE PIPING.
 - MC TO SHUT-OFF & DISCONNECT STEAM AND CONDENSATE PIPING SERVING EXISTING UV/STEAM RADIATOR THAT WILL BE REMOVED.
 - ALL STEAM/CONDENSATE PIPING MODIFIED OR REUSED ARE TO BE CAPPED BACK TO THE MAINS.
 - MC TO REMOVE ALL EXISTING UNIT VENTILATORS/STEAM RADIATOR AS INDICATE ON DWG. GC TO PATCH CHASE WALL TO MATCH EXISTING.
 - MC TO CORE DRILL EXISTING FLOOR SLAB TO ACCOMMODATE NEW PIPING WORK. GC TO PATCH FLOOR, MATCH EXISTING AND COORDINATE WITH M.C.
 - M.C. TO DRILL WALL IF NEW PENETRATION REQUIRED FOR NEW PIPING AND PATCH WALL.



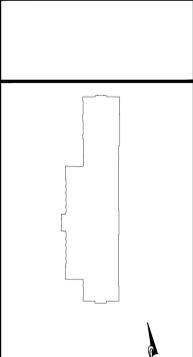
MECHANICAL 2ND FLOOR DEMOLITION PART PLAN
 SCALE: 1/8" = 1'-0"



CONTINUATION MECHANICAL 2ND FLOOR DEMOLITION PART PLAN
 SCALE: 1/8" = 1'-0"

REV.	DATE	ITEM

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 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 MECHANICAL 2ND FLOOR NEW PLAN

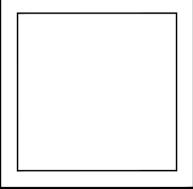
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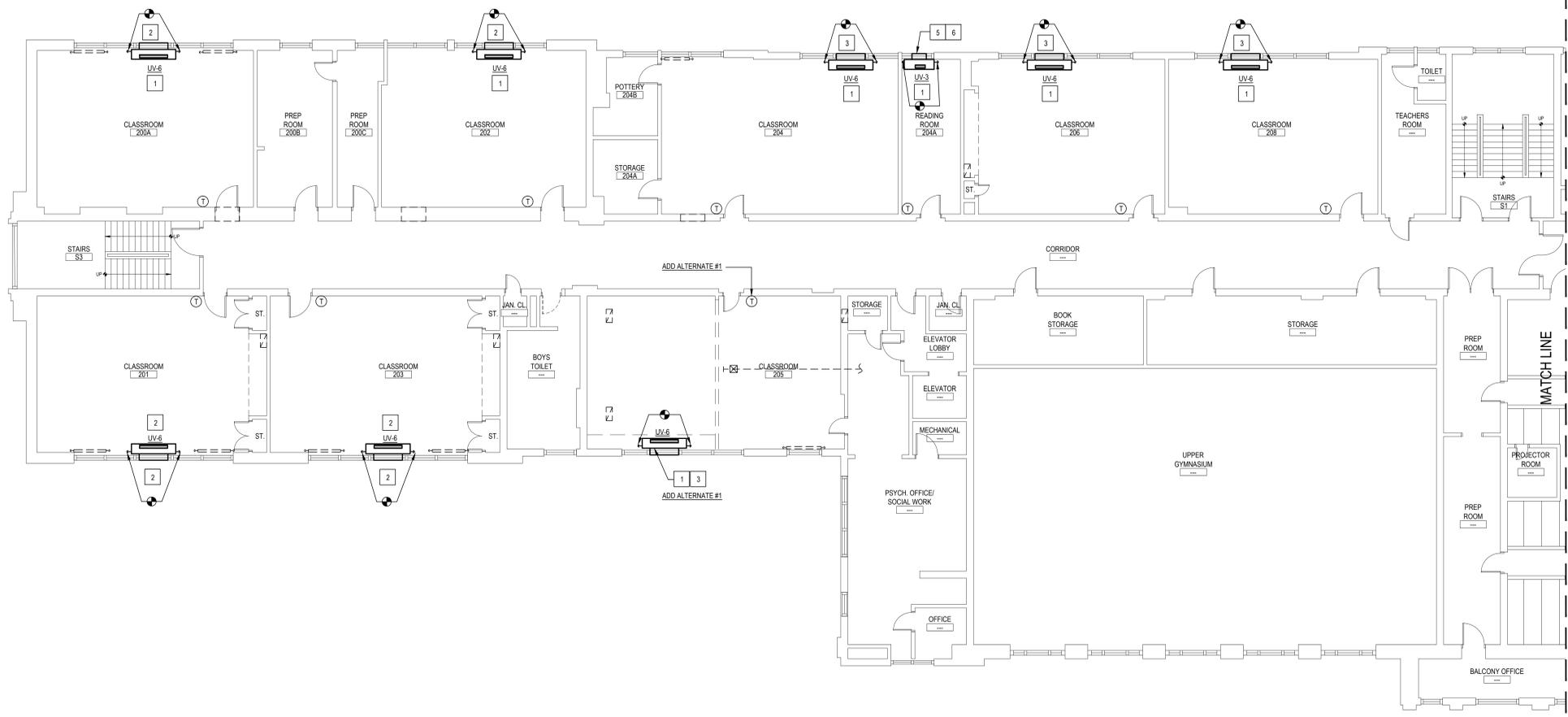
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 PROJECT: PH I - DW CAP IMPROVEMENTS
 R.J. BAILEY E.S.
 DWG TITLE: MECHANICAL 2ND FLOOR
 NEW PLAN
 SCALE: AS NOTED
 DATE: MAY 2022
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 FILE No: 21-290

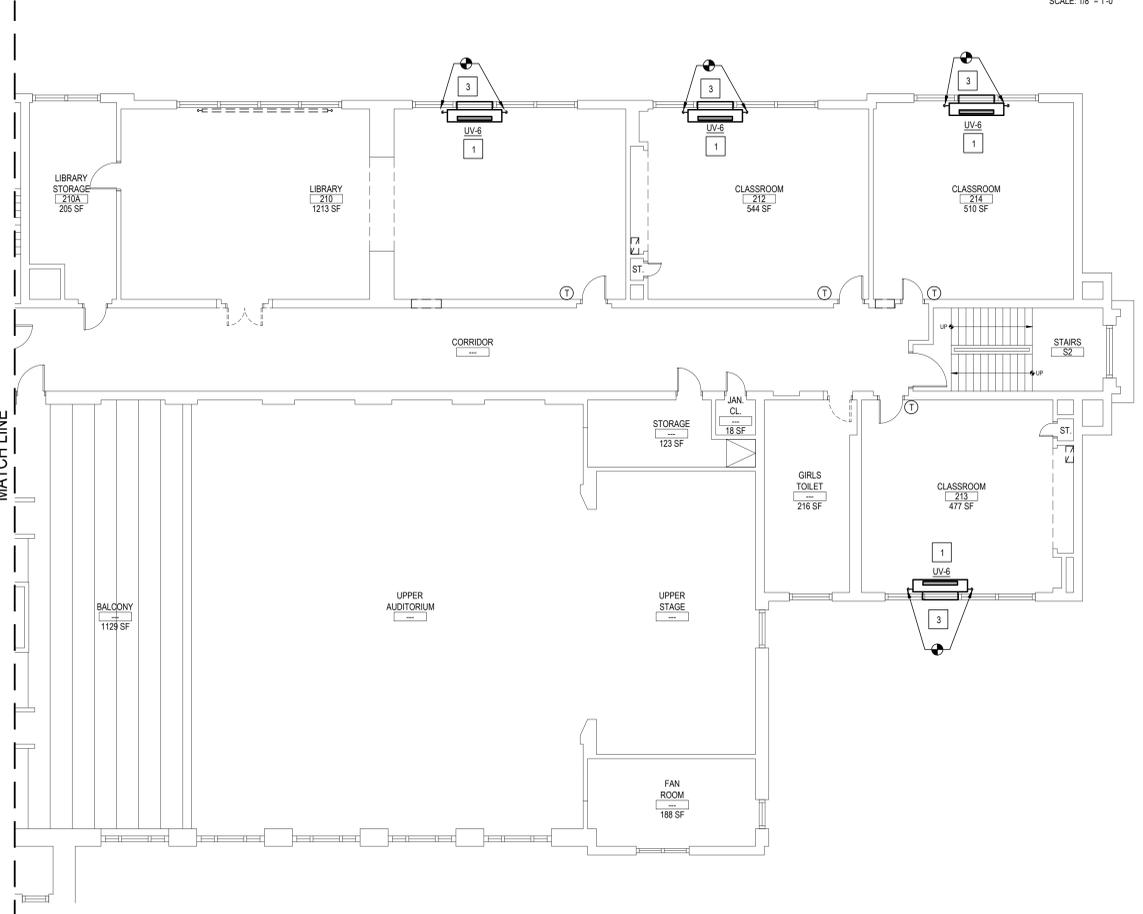
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- NOTES:**
- CONNECT NEW 2" STEAM PIPING & 1-1/2" CONDENSATE PIPE FROM THE NEW UV-6 UNIT TO EXISTING MAIN PIPING. VERIFY IN FILED EXACT STEAM MAIN PIPING LOCATION WHERE PIPING RUNS UNDER THE FLOOR. GC TO CORE DRILL THE FLOOR TO ACCOMMODATE NEW WORK. GC TO PATCH FLOOR. MATCH EXISTING AND COORDINATE WORK WITH MC. WHERE STEAM PIPING RUNS ABOVE HUNG CEILING, GC TO REPAIR THE CEILING AFTER WORK IS DONE.
 - NEW 48X10 EXTERIOR OAI RAIN RESISTANT LOUVER BY UV MANUFACTURER. MC TO REUSE EXISTING WALL OPENING. GC TO ADJUST IT TO FIT NEW LOUVER. MC TO COORDINATE WORK WITH GC.
 - NEW 48X10 EXTERIOR OAI RAIN RESISTANT LOUVER BY UV MANUFACTURER. GC TO PENETRATE EXTERIOR WALL FOR NEW OPENING AND MC TO INSTALL LOUVER. MC TO COORDINATE WORK WITH GC.
 - MC TO COORDINATE WORK WITH EC. EC TO RELOCATE AND REWIRE ALL ELECTRICAL OUTLETS THAT INTERFERE WITH NEW UV LOCATION.
 - NEW 24X10 EXTERIOR OAI RAIN RESISTANT LOUVER BY UV MANUFACTURER. GC TO PENETRATE EXTERIOR WALL FOR NEW OPENING AND MC TO INSTALL LOUVER. MC TO COORDINATE WORK WITH GC.
 - NEW RELIEF LOUVER INSTALLED IN THE EXISTING METAL WINDOW PAN, 24X16 GREENHECK, MODEL EHH-401, WITH RELIEF DAMPER MODEL BR-30. MC TO PROVIDE A DUCT SLEEVE TO MATE THE LOUVER AND THE DAMPER.
 - CONTROLS BY CONTROLS SUBCONTRACTOR UNDER CONTRACT TO MECHANICAL CONTRACTOR. SEE ATC SPECIFICATION FOR MORE INFORMATION.

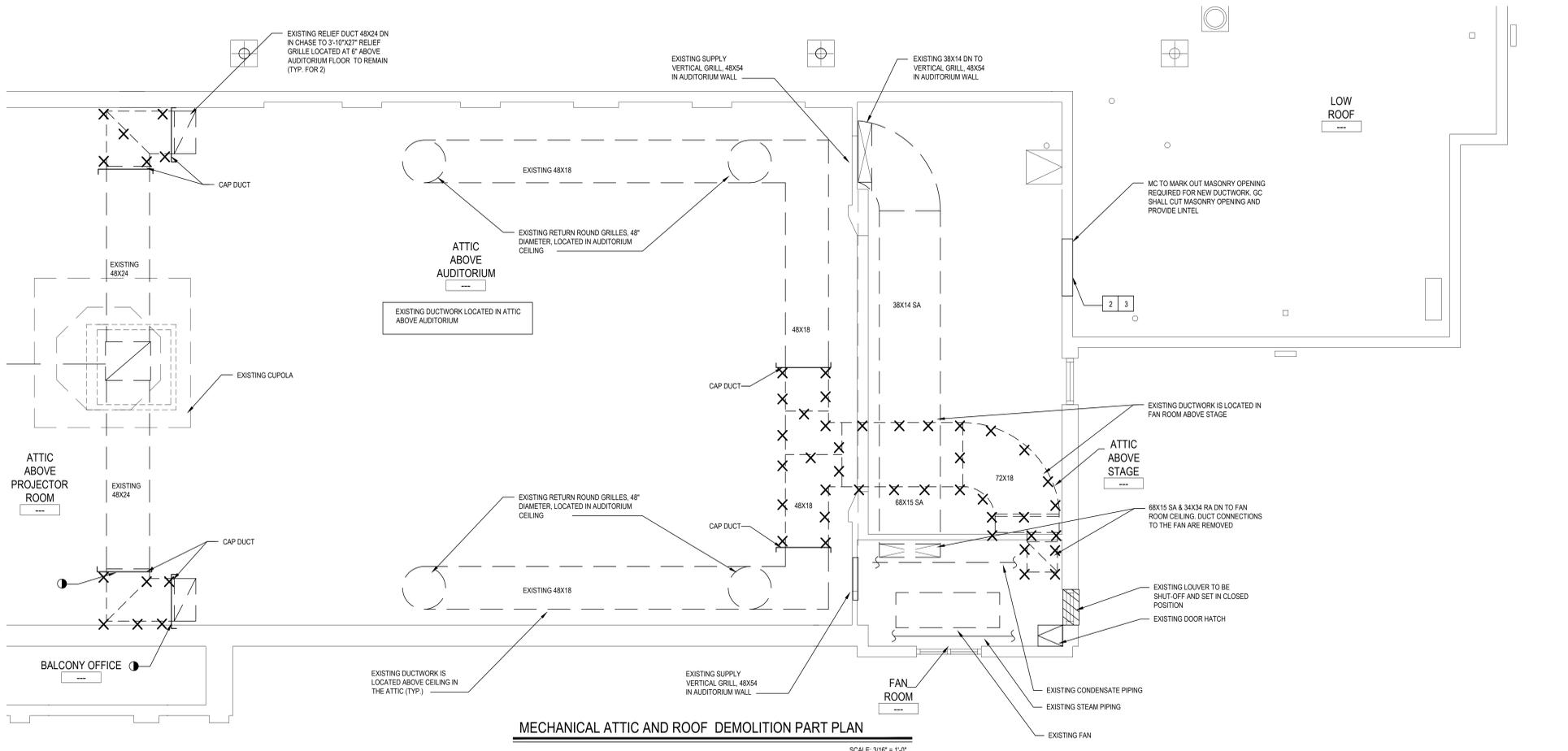
MECHANICAL 2ND FLOOR NEW PART PLAN

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



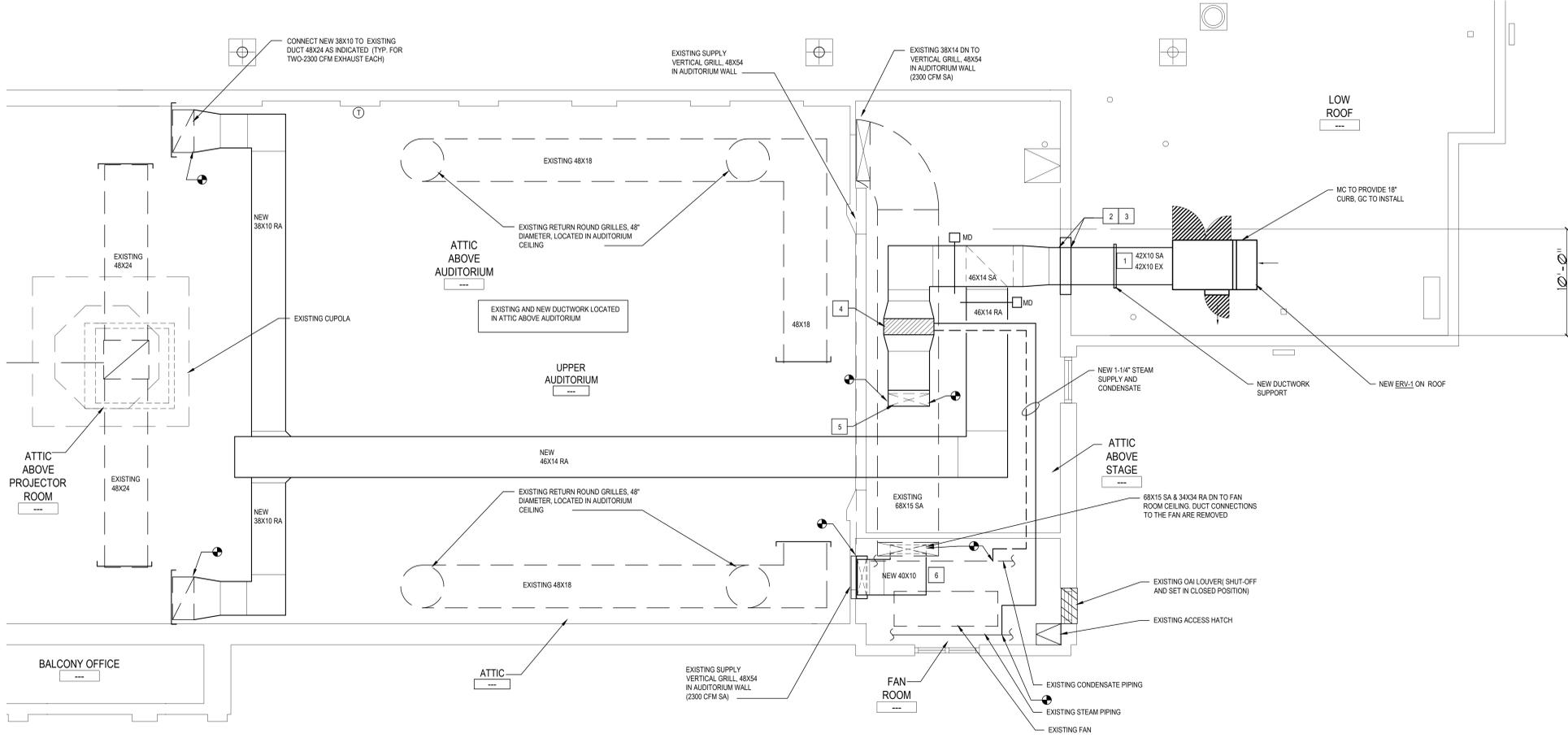
CONTINUATION MECHANICAL 2ND FLOOR NEW PART PLAN

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



MECHANICAL ATTIC AND ROOF DEMOLITION PART PLAN

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



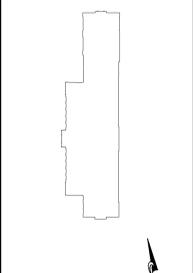
MECHANICAL ATTIC AND ROOF NEW PART PLAN

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

- NOTES:
- 1 NEW 46X14 EXHAUST AIR DUCT RUNS UNDERNEATH 46X14 SA DUCT.
 - 2 LOCATION OF THE DUCTWORK SIDE WALL PENETRATION NOT TO EXCEED 10'-0" FROM THE ROOF PARAPET. V.I.F. IF THERE IS ENOUGH CLEARANCE TO RUN 42X10/38X14 SA/EX IN THE ATTIC AS INDICATED ON DWG.
 - 3 WHERE THE DUCTS 42X10 SA/EX WILL PENETRATE THE WALL, GC TO CUT A 84X54 WALL OPENING TO BE USED AS ACCESS FOR BRINGING NEW STEAM COIL AND DUCTWORK INSIDE ATTIC. MC TO AVOID LIGHTING CONDUIT RUNNING ALONG THE WALL. AFTER COIL IS BROUGHT IN, GC TO REPAIR THE WALL AND SEAL AROUND THE NEW 2 DUCTS.
 - 4 NEW STEAM COIL INSTALLED IN THE SUPPLY DUCTWORK. FOR MORE INFORMATION SEE MECH. SCHEDULE IN DWG. ME.01C
 - 5 NEW 46X14 SA DUCT DN. TO CONNECT TO EXISTING 68X15 DUCT
 - 6 NEW 48X10 SA DUCT UP TO FAN ROOM CEILING TO CONNECT TO EXISTING 68X15 DUCT AND DN. TO CONNECT TO TOP OF NEW PLENUM 48\"/>

REV.	DATE	ITEM

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 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 MECHANICAL DEMOLITION AND NEW ATTIC AND ROOF PART PLAN

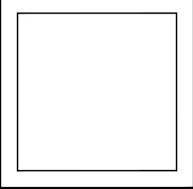
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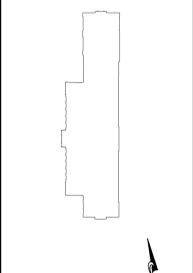


SED No: 66-04-07-06-0-005-012
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS
 R.J. BAILEY E.S.
 DWG TITLE: MECHANICAL ATTIC AND ROOF
 PART PLAN
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-290

REV.	DATE	ITEM

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 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 MECHANICAL ROOF PLAN

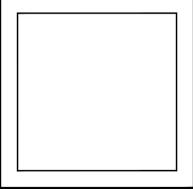
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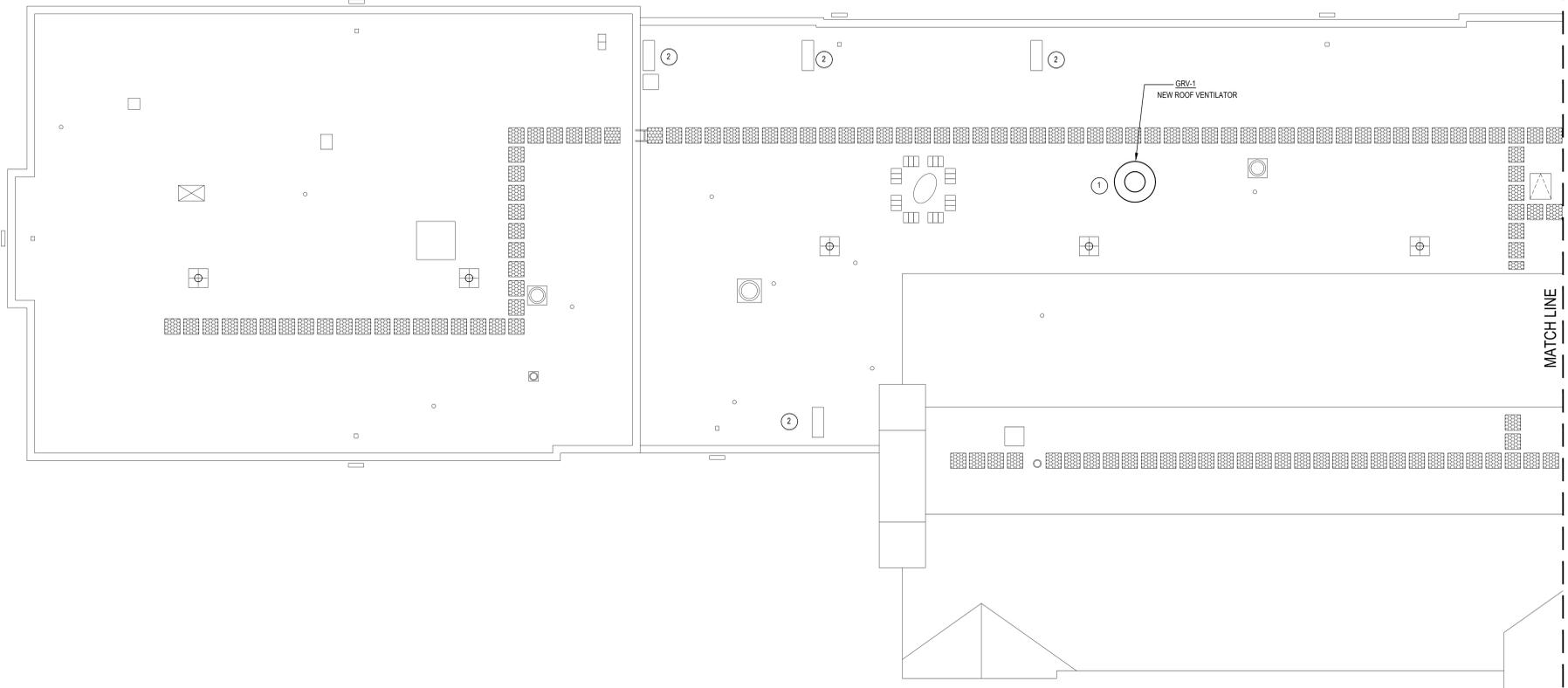
SED No: 66-04-07-06-0-005-012
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS
 R.J. BAILEY E.S.
 DWG TITLE: MECHANICAL ROOF PLAN
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICKUP: MAY 27, 2022
 FILE No: 21-290

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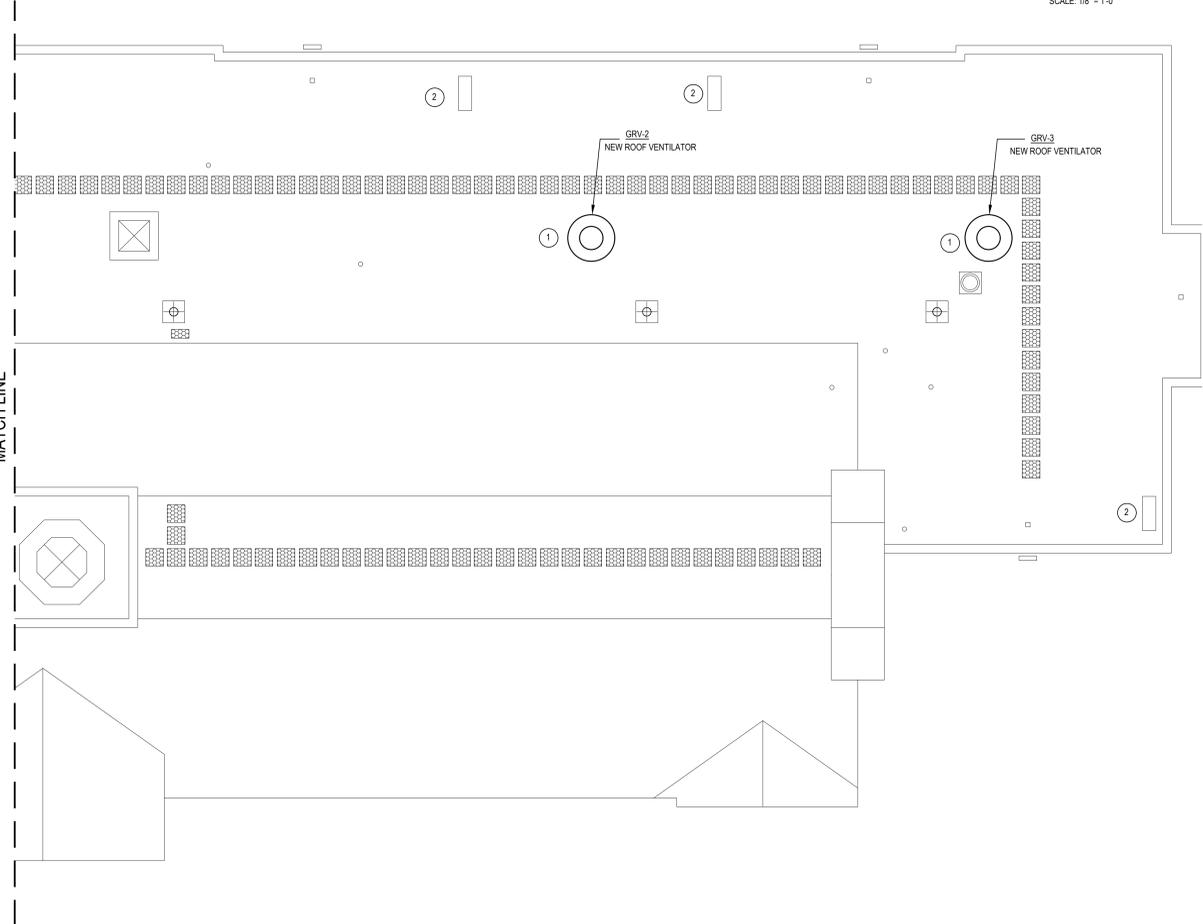
- NOTES:**
- MC TO REPLACE EXISTING GRAVITY ROOF VENTILATORS WITH NEW TO MATCH EXISTING. ROOF OPENINGS ARE APPROX 42" (TYP FOR 3)
 - MC TO CAP EXISTING OAI CHASE INTAKE WHICH SERVE EXISTING UNIT VENTILATORS INSIDE THE BUILDING. TYP. FOR 7

MC CONTRACTOR NOTES:

- MC TO FIELD VERIFY EXACT LOCATION OF EXISTING ROOF VENTILATORS AND EXISTING OAI CHASES
- MC TO MARK OUT LOCATIONS WHERE ROOF OPENINGS NEED TO BE PROVIDED OR ENLARGED AND GENERAL CONTRACTOR TO CUT AND PATCH ALL ROOF OPENINGS. MC TO COORDINATE WORK WITH GC



MECHANICAL ROOF PLAN
 SCALE: 1/8" = 1'-0"



CONTINUATION MECHANICAL ROOF PLAN
 SCALE: 1/8" = 1'-0"

ROOF VENTILATORS SCHEDULE (GREENHECK AS STANDARD)

GREENHECK GRV-1, 2 & 3
Building Value in Air

Model: GRSR
Standard Construction Features:
 - Aluminum housing - Aluminum curb cap with prepunched mounting holes.
 - Recommended roof opening dimension is at least 2.5 in. larger than the damper size.

Dimensions		Curb Cap		Curb Cap			
ID#	Tag	Qty	Model	Model Size	Width	Length	Weight
4-1	GRV-1,2,3	3	GRSR-42	42	52	63.25	28
				A (in.)	B (in.)	C (in.)	D (in.)
				42	52	63.25	28
				E (in.)	F (in.)	N/A	42.5
				11.25	52		52

Construction		Flashing		Installation		Insect		Birdscreen		Unit	
ID#	Flange	Type	Screen	Material	Material	Material	Material	Material	Material	Material	
4-1	No	Non-Ducted	No	Galvanized	Aluminum						

Accessories		Hinged		Hood	
ID#	Curb Cap	Curb Seal	Insulation	Insulation	Tie Down
4-1	No	No	None	None	No

Roof Curbs		Height		Width		Length	
ID#	Model	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)
4-1	GPI	12	52	52	52		

Model: GPI
Roof Curb
Standard Construction Features:
 - Roof Curb fits between the building roof and the fan mounted directly to the roof support structure - Constructed of either 18 ga galvanized steel or 0.064 in. aluminum - Straight Sided without a cant - 2 in. mounting flange - 3 lb density insulation - Height - Available from 12 in. to 42 in. as specified in 0.5 in. increments. Note - The maximum roof opening dimension should not be greater than the "Actual" top outside dimension minus 2 in. - The minimum roof opening dimension should be at least 2.5 in. more than the damper dimension or recommended duct size. - The Roof Opening Dimension may or may not be the same as the Structural Opening Dimension. - Damper Tray is optional and must be specified. - Tray size is same as damper size. - Security bars are optional and must be specified. - Frames and gridwork are all 12 ga steel. Gridwork is welded to the frame and the frame is welded to the curb.

General		Sizing		Under sizing		Weight		Shipped	
ID#	Tag	Qty	Model	Method	(in.)	(lb)	(lb)	Assembled	
4-1		3	GPI-S2-G12	Normal	1.5	57		Yes	

Dimensions		Nominal		Nominal		Actual		Actual	
ID#	Curb	Outside	Outside	Outside	Outside	Flange	Flange	Length	Length
4-1	Height	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)
4-1	Width	12	52	52	50.5	50.5	54.5	54.5	

Accessories		Security		Insulation	
ID#	Material	Bars	Liner	(in.)	
4-1	Galvanized	No	No	1	

TERMINAL UNIT SCHEDULE										(MAGIC AIRE AS STANDARD)
Tag No.	MGF. / MODEL #	CFM / E.S.P. / OA DAMPER POS.	MOTOR (ECM) / HP / FLA / MCA	ELECT. Req. / VOLT / PHASE	HEATING COIL TYPE	HEAT OUTPUT / STEAM F.D.	CABINET TYPE	EXTERIOR LOUVER SIZE	COMMENTS/CONTROLS	
UV-1	MAGIC AIRE UNIT VENTILATOR #MAUH2	750 @ .01 45%	1/3 2.3 2.9			46.8 MBH @ 2PSIG	HORIZONTAL LH	34"x10"	REFER TO ATC SPECIFICATION SECTION 15903 FOR FURTHER DETAILS REGARDING UNIT TEMPERATURE CONTROLS. REFER TO DWGS. 846.03 FOR PIPING / INSTALLATION DETAILS. PROVIDE NEW CLEAR ANODIZED LOUVER. CONTROLS SUBCONTRACTOR, UNDER CONTRACT TO MECHANICAL CONTRACTOR	
UV-2	MAGIC AIRE UNIT VENTILATOR #MAUH3	1000 @ .01 45%	1/3 2.6 3.2			62 MBH @ 2PSIG	HORIZONTAL UH	48"x10"		
UV-3	MAGIC AIRE UNIT VENTILATOR #MAUV1	500 @ .01 45%	1/3 1.3 1.6	208V, 1 PH.	STEAM 1 COIL ROW	37 MBH @ 2PSIG	VERTICAL LV	24"x10"		
UV-4	MAGIC AIRE UNIT VENTILATOR #MAUV4	1250 @ .01 45%	1/2 3.3 4.1			78 MBH @ 2PSIG	VERTICAL LV	NA		
UV-5	MAGIC AIRE UNIT VENTILATOR #MAUH5	1500 @ .01 45%	1/2 3.3 4.1			93.6 MBH @ 2PSIG	HORIZONTAL UH	NA		
UV-6	MAGIC AIRE UNIT VENTILATOR #MAUV3	1000 @ .01 45%	1/3 2.6 3.2			62 MBH @ 2PSIG	VERTICAL LV	48"x10"		

- 1. UNITS SHALL BE 21-7/8" DEEP UNITS.
- UNITS ARE TO BE EQUIPPED WITH VALVE CONTROL FOR STEAM.
- PROVIDE MERV 13 FILTERS

STEAM COIL SCHEDULE (NATIONWIDE AS STANDARD)

SUBMITTAL DATA

Greenborough
Nationwide Coils Coil SC-1-Ait

Steam Distributing Coil

Tag	Qty	Model	Footnotes	Comment
SC-1-Ait	1	SD58S02D09-18x56-RH	a,b,c	

Construction and Performance Details

Tag	SC-1-Ait
Air flow (SCFM)	4600
Altitude (ft)	0
Total capacity (MBH)	403.0
Entering dry bulb (°F)	11.0
Leaving dry bulb (°F)	91.9
Face velocity (ft/min)	657
Air pressure drop (in. of water)	0.31
Air fouling factor (h-R ² -F/Btu)	0.00000
Steam pressure (psi)	2.00
Steam temp. (°F)	218.3
Steam loading (lb/h)	416.1
Coils per bank	1
Coil type	58
Fin height (in)	18.0
Fin length (in)	56.0
Face area (ft ²)	7.00
Rows	2
Fin spacing (fins/in)	9
Fin material	Al
Fin type	Sine
Fin thickness (in)	0.006
Tube wall thickness (in)	0.025
Supply conn. size (in)	1.250
Return conn. size (in)	1.250
Weight (lb)	86
Est. internal volume (ft ³)	0.27

Footnotes

(a) Not recommended for vertical tube applications.
 (b) Certified in accordance with the AHRI Forward-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard-410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahrirdirectory.com.
 (c) Tube OD 0.625, Tube spacing 1.500 x 1.250

SUBMITTAL DRAWINGS

Greenborough
Nationwide Coils Coil SC-1-Ait

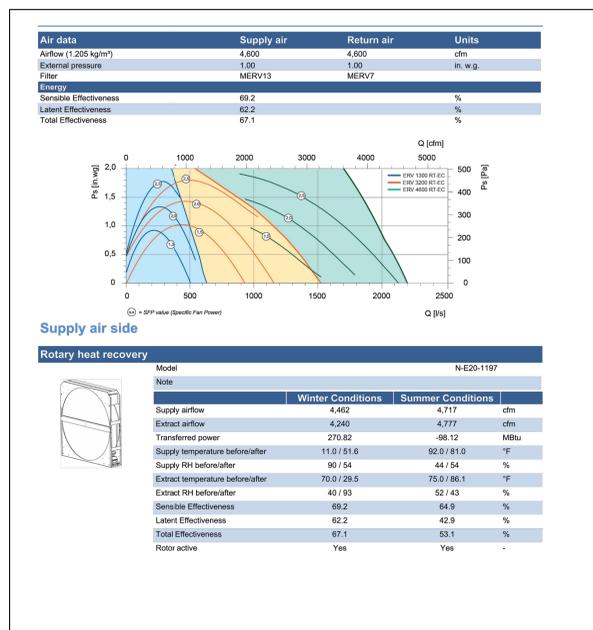
Drawings

Dimensions*

Tag	SC-1-Ait
Model	SD58S02D09-18x56-RH
Weight	86
Fin material & type	0.006 Aluminum Sine-wave
Tube wall	0.025 / Smooth
Casing material / flange	16 ga. galv. steel (std) / Slacking
Coating	None
Header diameter	3.125
Supply / return conn. size	1.25 / 1.25
Connection type	MPT Copper
PH / FL	18 / 56
CH / CL	21 / 59
OAL / CD	63.75 / 6.5
C	6.25
S / R	10.5 / 1.125
E / F	3.25 / 3.25
L / MAX	3 / 1.5

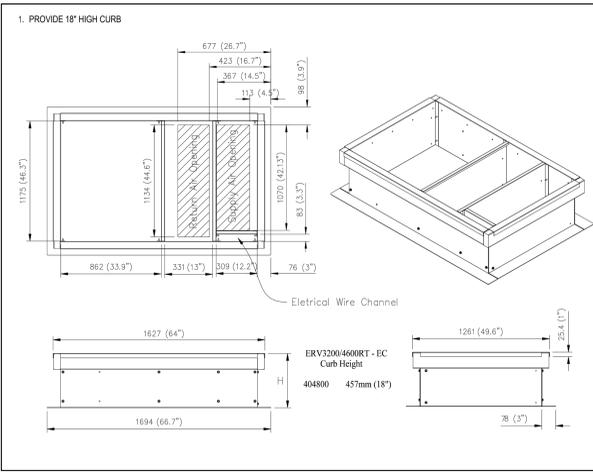
* All distances are measured as inches.

ERV SCHEDULE (SYSTEMAIR AS STANDARD)



Total weight: 1,400 lb

Ecodesign	Heat recovery type	Enthalpy
MCA		18.9
MOP		25



Controller

CuControlCabinet, ControlsInstalled	CuControlCabinet, ControlsInstalled Without
Air volume control	CAV
Main power supply unit	3x208V
Information	en-US, CompactUnits, Report DCC
Note	

Supply air side

Supply - EC Fan

Type of drive	Direct drive
Fan type	High Efficiency
Impeller type	Metal
Motor protection	Thermistor
Max. temperature of transported air	140.0 °F
Max. temperature of transported air when voltage-controlled	140.0 °F
Note	

	Winter Conditions	Summer Conditions
Air volume flow	4,600	4,800
External static pressure	1.90	1.00
Power	2.70	2.70

Outdoor air side

Outdoor - Filter

Model	MERV 13.24.5x24.5x3.75
Filter type	Pleated Filter
Class	MERV13
Length	3.8 inch
Width	24.5 inch
Height	24.5 inch
Required number of filters	1
Note	

Return air side

Return - Filter

Model	MERV 7.24.5x24.5x1.75
Filter type	Pleated Filter
Class	MERV7
Length	1.8 inch
Width	24.5 inch
Height	24.5 inch
Required number of filters	1
Note	

Exhaust air side

Exhaust - EC Fan

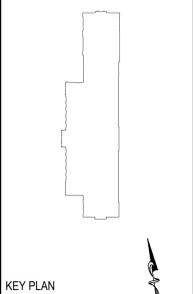
Type of drive	Direct drive
Fan type	High Efficiency
Impeller type	Metal
Motor protection	Thermistor
Max. temperature of transported air	140.0 °F
Max. temperature of transported air when voltage-controlled	140.0 °F
Note	

	Winter Conditions	Summer Conditions
Air volume flow	4,600	4,600
External static pressure	1.00	1.00
Power	2.70	2.70

REV.	DATE	ITEM

NOTICE

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GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

PROJECT

DWG TITLE

MECHANICAL SCHEDULES

DRAWING BY: D.S.
 CHECK BY: D.S.

NOTICE

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BBS
 ARCHITECTS
 LANDSCAPE ARCHITECTS
 ENGINEERS

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

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

www.BBSARCHITECTURE.com

SED No: 66-04-07-06-0-005-012

DISTRICT: GREENBURGH CSD

PROJECT: PH I - DW CAP IMPROVEMENTS
 R.J. BAILEY, E.S.

DWG TITLE: MECHANICAL SCHEDULES

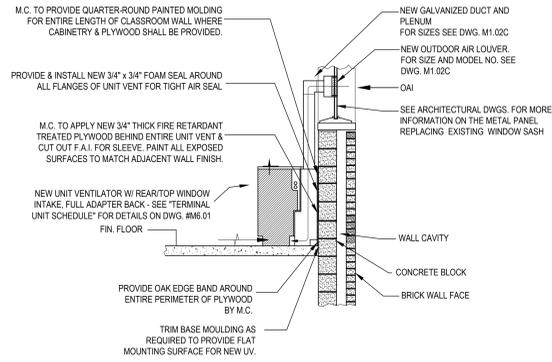
SCALE: AS NOTED

DATE: MAY 2022

BID PICK-UP: MAY 27, 2022

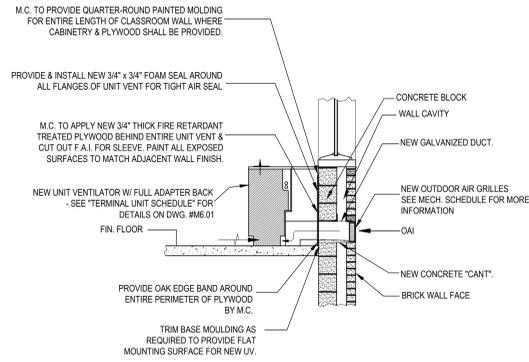
FILE No: 21-290

M6.01C OF ---



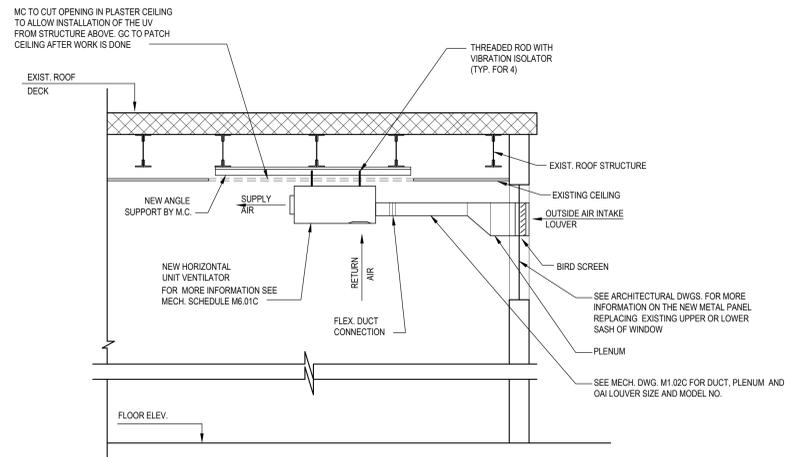
**VERTICAL UNIT VENTILATOR FRESH AIR INTAKE- MASONRY WALL INSTALLATION
DETAIL- (FOR MATH LAB 003 AND ART ROOM LOCATED IN THE BASEMENT)**

SCALE: NOT TO SCALE



**VERTICAL UNIT VENTILATOR FRESH AIR INTAKE- MASONRY WALL
INSTALLATION DETAIL- (TYP.)**

SCALE: NOT TO SCALE

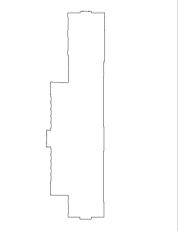


HORIZONTAL UNIT VENTILATOR INSTALLATION DETAIL- (TYP.)

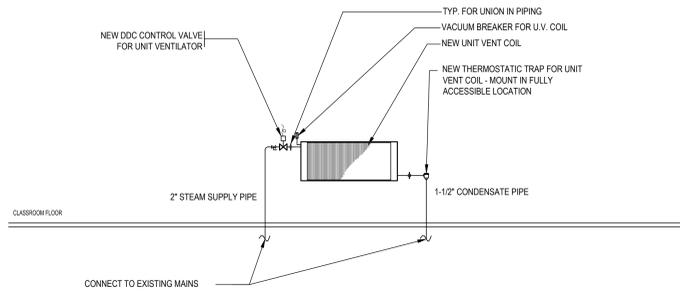
SCALE: NOT TO SCALE

REV.	DATE	ITEM

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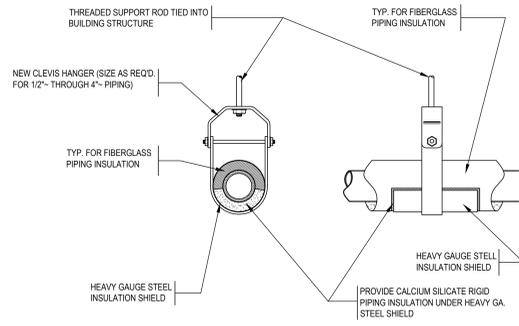


KEY PLAN
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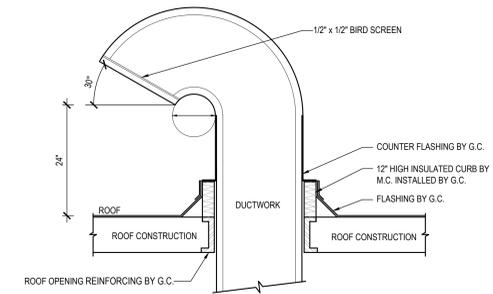
UNIT VENTILATOR /RADIATOR STEAM PIPING DETAIL

SCALE: NOT TO SCALE



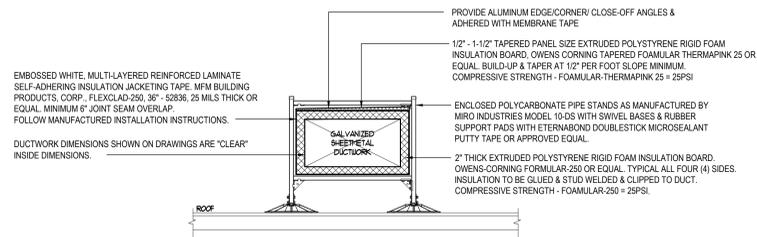
CLEVIS HANGER PIPING SUPPORTS DETAIL

SCALE: NOT TO SCALE



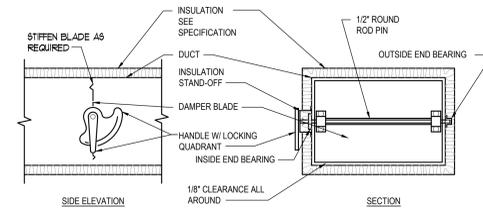
FRESH AIR INTAKE GOOSENECK DETAIL

SCALE: NOT TO SCALE



EXTERIOR RECTANGULAR DUCTWORK INSULATION WITH SUPPORTS DETAIL

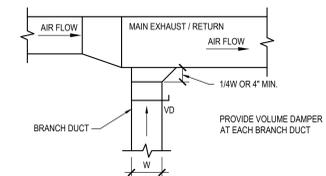
SCALE: NOT TO SCALE



- NOTE:**
- DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
 - DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

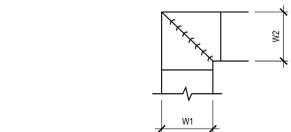
VOLUM DAMPER DETAIL

SCALE: NOT TO SCALE



EXHAUST OR RETURN BRANCH DUCTWORK DETAIL

SCALE: NOT TO SCALE



- NOTE:**
- ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED.
 - WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
 - ALL SINGLE THICKNESS VANES SHALL HAVE A 2\"/>

DUCTWORK SQUARE VANE ELBOWS DETAIL

SCALE: NOT TO SCALE

PROJECT
GREENBURGH CENTRAL SCHOOL DISTRICT
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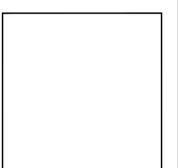
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BBS
ARCHITECTS
LANDSCAPE ARCHITECTS
ENGINEERS

244 EAST MAIN STREET, 187 WOLF ROAD, STE. 205
PATCHOGUE, ALBANY
NEW YORK 11772 NEW YORK 12205
T. 631.475.0349 T. 518.621.7650
F. 631.475.0361 F. 518.621.7655

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DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS
R.J. BAILEY, E.S.
DWG TITLE: MECHANICAL DETAILS
SCALE: AS NOTED
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M6.02C OF ---

GENERAL CONSTRUCTION NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2017 EDITION OF THE NEC, APPLICABLE LOCAL CODES, STATE CODES, SCHOOL WORKING RULES AND SCHEDULE DIRECTIVES, AND THE ENGINEER'S SPECIFICATIONS.
- THE VOLTAGE CHARACTERISTIC OF THIS SCHOOL IS 120/208VAC, 4 WIRE, 3PH, GROUNDING NEUTRAL, WYE. ALL EQUIPMENT SHALL BE COMPATIBLE WITH THESE CHARACTERISTICS.
- THE DRAWINGS SHOW SCHEMATICALLY, THE APPROXIMATE LOCATION OF ALL EQUIPMENT, CONDUITS, DEVICES, ETC. THE EXACT LOCATION OF WHICH SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/OWNER WHO RESERVES THE RIGHT TO MAKE PRIOR TO INSTALLATION, ANY REASONABLE CHANGES IN LOCATION INDICATED WITHOUT EXTRA COST TO THE OWNER. CONTRACTOR SHALL VERIFY ALL INDICATED OR APPROXIMATED DIMENSIONS DRAWN OR DENOTED.
- DIVISION 16 CONTRACTOR SHALL EXAMINE THE SITE TO VERIFY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING HIS BID. ANY DISCREPANCY BETWEEN DRAWINGS/SPECIFICATIONS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO ARCHITECT/ENGINEERS ATTENTION BEFORE BID SUBMITTAL. ANY FIELD CONDITION FOUND AFTER BID APPROVAL WHICH HAMPERS AND/OR PREVENTS ANY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE DIVISION 16 CONTRACTOR. THE DIVISION 16 CONTRACTOR SHALL BID THE HIGHER SPECIFICATION FOR ANY DISCREPANCY BETWEEN DRAWINGS AND SPECIFICATIONS.
- DIVISION 16 CONTRACTOR SHALL PROVIDE ALL LABOR SERVICE MATERIALS, EQUIPMENT, AND RELATED ITEMS TO COMPLETE THE WORK OF THIS DIVISION, AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, AND ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
- DIVISION 16 CONTRACTOR SHALL PROVIDE ALL ELECTRICAL HARDWARE SHOWN ON THESE DRAWINGS AND RELATED DETAIL MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED. ALL NEW ELECTRICAL MATERIAL AND EQUIPMENT SHALL CONFORM TO THE STANDARDS AND BEAR THE INSPECTION LABEL OF THE UNDERWRITERS LABORATORIES AND SHALL BE APPROVED FOR USE BY ALL LOCAL AUTHORITIES HAVING JURISDICTION.
- THE DIVISION 16 CONTRACTOR SHALL REFER TO ALL OTHER DRAWINGS IN BID PACKAGE AND PERFORM THE WORK (INCLUDE IN HIS BID) INDICATED AS ELECTRICAL CONTRACTOR (E.C.) WORK. CONTRACTOR TO COORDINATE ALL LOCATIONS WITH GENERAL CONTRACTOR AND OTHER TRADES.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER. THE EC IS RESPONSIBLE TO INSTALL ALL MOTOR STARTERS AND ASSOCIATED POWER WIRING. THE LOCATIONS OF MOTOR STARTERS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD AND SUBMITTED TO THE ENGINEER FOR APPROVAL UNLESS IT IS SPECIFIED ON THE DRAWINGS. THE EC SHALL REFER TO THE MECHANICAL EQUIPMENT SCHEDULES & NOTES AND INCLUDE IN HIS BID PRICES ALL ELECTRICAL WORK ASSOCIATED WITH THEIR INSTALLATION, AND THE REMOVAL OF ANY STARTERS/DISCONNECTS NO LONGER REQUIRED.
- ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIVES OF THE OWNER.
- ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL OBTAIN AN APPROVED ELECTRICAL INSPECTION CERTIFICATE FROM THE LOCAL AHJ AND PAY ASSOCIATED FEE. SUBMIT A PHOTOCOPY OF THIS CERTIFICATE TO THE ENGINEER WITH FINAL PAYMENT APPLICATION. SUBMIT A COPY OF THIS CERTIFICATE TO THE OWNER.
- DIVISION 16 CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND THEIR INSTALLATION TO BE FREE OF DEFECTS FOR A PERIOD AS DEFINED IN THE PROJECT MANUAL.
- IF ADDITIONAL POLE POSITIONS ARE REQUIRED FOR NEW CIRCUITS IN EXISTING PANELS SERVICING RENOVATED AREAS, REMOVE (3) ADJACENT 1 POLE BREAKERS PROVIDE AND INSTALL 3P, 60A BREAKER FOR SUB FEED TO A SURFACE MOUNTED 100A, 3PH, 18 POLE SUB PANEL AND ESTABLISH OVERHEAD LOW CIRCUITS IN NEW SUB PANEL, EACH WITH A 1P, 20A BREAKER. PROVIDE (3) 1P, 20A BREAKERS FOR DISCONNECTED CIRCUITS IN MAIN PANEL AND RECONNECT THEM IN SUB PANEL. SUB PANEL FEED TO BE 3#6 + 1#6(N) + 1#10(G) IN 1" C.
- IT IS EXPECTED THAT STRUCTURAL DEMOLITION BY THE GENERAL CONTRACTOR WILL CAUSE VARIOUS ELECTRIC SUPPLIES, OF VARIOUS VOLTAGES AND PURPOSES, TO BE CUT AND RENDER SOME DEVICES TEMPORARILY INACTIVE. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO RECONSTRUCT AND RECONNECT SUCH ELECTRIC SOURCES WHEN THE NEW STRUCTURE IS BUILT. NOTE THAT MOST REINSTALLED ITEMS WILL BE IN DIFFERENT LOCATIONS FROM THE REMOVAL LOCATION. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL REQUIRED CIRCUIT EXTENSIONS OR MODIFICATIONS TO PROVIDE SERVICE TO A REINSTALLED ITEM AS RELOCATED. NOTE THAT THIS REQUIREMENT ALSO APPLIES TO THE ROOMS AND ELECTRICAL ITEMS WITHIN THAT ARE NOMINALLY NOT IN CONTRACT. SUCH RESTORATION OF SERVICE, IF NEEDED, IS SPECIFICALLY IN THE ELECTRICAL CONTRACTOR'S CONTRACT.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND POWER TO ALL TRADES FOR THE DURATION OF THE PROJECT. SERVICE SHALL BE SUPPLIED TO CONTRACTORS CONSTRUCTION TRAILERS WHERE SUCH IS REQUESTED. USE THE EXISTING POWER PANELS FOR SUCH SUPPLY. POWER COSTS WILL BE PAID BY THE OWNER. ALL CONSTRUCTION POWER RECEPTACLES SHALL BE GFI PROTECTED.
- IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL ELECTRICAL DEVICES FROM DAMAGES DURING CONSTRUCTION. THIS INCLUDES DEVICES WHICH ARE EITHER INDICATED TO REMAIN, AND/OR TO BE REMOVED AND REINSTALLED THROUGHOUT ALL CONSTRUCTION AREAS. DEVICES SHALL INCLUDE BUT WILL NOT BE LIMITED TO: SMOKE DETECTORS, EMERGENCY LIGHTS, EXIT SIGNS, OCCUPANCY SENSORS, SPEAKERS, LIGHT FIXTURES, SWITCHES, RECEPTACLES, ETC. IN THE EVENT OF DAMAGES INCURRED DUE TO CONSTRUCTION ACTIVITIES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY DAMAGED DEVICES AT NO ADDITIONAL COST TO OWNER.
- THE INDICATED SOURCE OF EXISTING CIRCUITS MAY NOT BE KNOWN OR HAS NOT BEEN VERIFIED. IT IS THE DIVISION 16 CONTRACTOR'S RESPONSIBILITY TO TRACE OUT, LOCATE AND VERIFY THE DISCONNECTING MEANS OF EXISTING CIRCUIT(S) TO BE IMPACTED BY THE WORK. SAVE OFF THE CIRCUIT(S) AS REQUIRED TO SAFELY PERFORM THE WORK, AND RE-ENERGIZE UPON COMPLETION. UPDATE PANEL DIRECTORIES UPON COMPLETION.
- WHERE EXISTING FIRE ALARM SYSTEMS ARE MODIFIED DURING THE COURSE OF THE PROJECT, PROVIDE OWNER WITH UPDATED COMPLETION RECORD DOCUMENTATION PER NFPA 72, ARTICLE 10.16. INCLUDE COPY OF UPDATED SITE SPECIFIC SOFTWARE. ANY ADDITIONAL DEVICES SHALL BE MAPPED INTO THE SYSTEM WITH THE APPROPRIATE ADDRESS/LABELS.
- FURNISH AND INSTALL ALL INDICATED LIGHTING FIXTURES AND MOUNTING HARDWARE AS REQUIRED FOR A COMPLETE INSTALLATION. NOTE ALL LIGHT FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE. UTILIZING CEILING FRAMING ALONE IS NOT ACCEPTABLE. NEW LIGHTING FIXTURES (OTHER THAN THEATRICAL EQUIPMENT) SHALL NOT BE EASILY CHANGED. RE-USE OF AN EXISTING LIGHTING KIT INCLUDES HOME RUN WIRING OR WIRING UP TO THE SWITCH. ANY WIRING DOWNSTREAM OF THE SWITCH IS SUBJECT TO REPLACEMENT/REARRANGEMENT. EC SHALL ALLOW FOR THIS IN HIS BID PRICE.
- UNLESS OTHERWISE NOTED ON THE PLANS BRANCH CIRCUIT HOMERUNS OF 100 FT OR LESS SHALL BE 2#12, 1#12G, 3/4" OR EQUIVALENT. HOMERUNS, HOMERUNS LONGER THAN 100 FT SHALL BE 2#10, 1#10G, 3/4" OR EQUIVALENT.
- ALL BRANCH CIRCUIT WIRING TO BE 1#12+1#12(N)+1#12(G)-3/4" EMT, OR STEEL JACKETED MC CABLE (WHERE CODE PERMITTED), UNLESS OTHERWISE SPECIFIED ON DRAWINGS. ALUMINUM JACKETED MC CABLE IS NOT ACCEPTABLE.
- RUN BRANCH CIRCUITS IN DROPPED CEILINGS, VOIDS, & CHASES. ALL DEVICES & CONDUITS ON NEW CONSTRUCTION MUST BE RECESSED. FOR EXISTING SURFACES, MECHANICAL/WORK SPACES-CONDUITS MAY BE SURFACE MOUNTED. EXISTING PUBLIC AREAS- CONDUITS SHALL BE CONCEALED WHEREVER POSSIBLE (IN HUNG CEILINGS, VOIDS/CHASES, FLOOR BELOW OR BEHIND WALLS) ALL WIRING THAT CANNOT BE CONCEALED IN MUST BE RUN IN FINISHED SURFACE RACEWAY SUCH AS WIREMOLD, COLOR PER ARCHITECT. USE OF ADHESIVE IS PROHIBITED, SURFACE RACEWAY MUST BE SECURED USING MECHANICALLY FASTENED CLIPS.
- ANY LIGHT FIXTURES INSTALLED IN GYMNASIUMS OR OTHER AREAS SUBJECT TO IMPACT OR PHYSICAL DAMAGE SHALL BE MOUNTED WITH SAFETY CHAINS AND SECURED TO STRUCTURE.
- EMERGENCY AND EXIT LIGHTING FIXTURES SHALL BE WIRED TO THE LOCAL AREA WIRING CIRCUIT AHEAD OF ANY SWITCHING.
- NEW CIRCUIT BREAKERS INSTALLED IN EXISTING PANELS SHALL BE LISTED FOR USE IN THE INTENDED PANEL AND SHALL MEET OR EXCEED THE AIC RATINGS OF THE PANEL.
- SEE SPEC. SECTION 16100 BASIC MATERIALS AND METHODS FOR COMPLETE NOTES ON INSTALLATION, MISCELLANEOUS MATERIALS AND ELECTRICAL DEVICES.

DEMOLITION NOTES

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

FIRE STOP NOTES

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

EXISTING FIRE ALARM SYSTEM NOTES

- DIVISION 16 CONTRACTOR SHALL EXTEND THE EXISTING HONEYWELL S3 SYSTEM TO PROVIDE COVERAGE FOR THE NEW AREAS AND/OR DEVICES AND INTEGRATE THEM INTO THE SYSTEM. PROVIDE NEW UPDATED GRAPHIC MAPS AT EACH LOCATION. NEW DEVICES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM PANEL WHICH IS TO REMAIN. ALL NEW DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS AND FULLY INTEGRATED INTO THE SYSTEM. THE CONTRACTOR SHALL PROVIDE THE ITEMS ON THE DRAWING AND ALL RELATED EXPANSION, ADAPTIVE, AND CONNECTING WIRING, REPROGRAMMING AND DEVICES FOR A FULLY FUNCTIONING SYSTEM.
- ALL FIRE ALARM WORK SHALL BE PERFORMED BY MANUFACTURER CERTIFIED TECHNICIANS.
- DIVISION 16 CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS FOR THIS PROJECT AND PAY RELATED FEES. HE SHALL SUBMIT SHOP DRAWINGS ON ALL HARDWARE. THE SHOP DRAWINGS SHALL CONTAIN A SYSTEM RISER DIAGRAM.
- DIVISION 16 CONTRACTOR TO PROTECT OR TEMPORARILY DISCONNECT / RECONNECT EXISTING FIRE ALARM DEVICES TO ACCOMMODATE NEW CONSTRUCTION AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR WHERE PLANS CALL FOR EXISTING DEVICE TO BE RELOCATED, EXTEND WIRING AS REQUIRED.
- ALL NEW FIRE ALARM DEVICES SHALL BE OF THE SAME MANUFACTURER AND COMPATIBLE WITH THE FIRE ALARM PANEL.
- PROVIDE ADAPTIVE HARDWARE TO POWER THE HORN STROBES, STROBES AND MAGNETIC DOOR HOLDERS.
- ALL WORK SHALL BE IN ACCORDANCE WITH SYSTEM MANUFACTURER SPECIFICATIONS, LATEST EDITION OF NEC, ANY LOCAL, STATE CODES, AND ENGINEERING SPECIFICATIONS.
- ALL WIRING SHALL BE AS SPECIFIED BY SYSTEM MANUFACTURER AND PLENUM RATED.
- DIVISION 16 CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EQUIPMENT, SYSTEM MODULES, POWER SUPPLIES ETC. NEEDED TO HAVE A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE NEW REMOTE ANNUNCIATOR PANEL(S) WHERE INDICATED INCLUDING UPDATED GRAPHIC MAPS. UPDATED MAPS SHALL ALSO INDICATE THE LOCATIONS OF ALL AREA OF RESCUE ASSISTANCE (REFUGE) CALL STATIONS. SUBMIT PROPOSED MAPS FOR APPROVAL.
- THE DIVISION 16 CONTRACTOR SHALL FIELD SELECT THE PROPER OUTPUT SETTINGS OF FIRE ALARM HORNS AND STROBES TO MEET THE MINIMUM CODE PERFORMANCE REQUIREMENTS TO SUIT THE AREAS BEING SERVED.
- PROVIDE AS-BUILT DRAWINGS AND COPY OF UPDATED SITE SPECIFIC SYSTEM SOFTWARE INCLUDING PASSWORDS TO THE DISTRICT AT NO ADDITIONAL CHARGE.
- ALL NEW MAGNETIC DOOR HOLDERS ARE TO BE WIRED AT 24V. WHEN REPLACING AN EXISTING MAGNETIC DOOR HOLDER, THE CONTRACTOR SHALL MATCH EXISTING VOLTAGE.
- CONTRACTOR TO ENSURE ALL POINTS ARE PROPERLY ENROLLED IN THE SYSTEM AND OLD POINTS NOT LONGER IN USE ARE REMOVED.

ABBREVIATIONS

SYMBOL	DESCRIPTION
A	AMPERAGE OR AMPS
AC	ALTERNATING CURRENT
ACT	ABOVE COUNTER TOP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BC	BELOW CEILING
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CEILING MOUNTED
DC	DIRECT CURRENT
DH	DOOR HOLDER
DISC	DISCONNECT
ESC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ETR	EXISTING TO REMAIN
EX	EXISTING
FA	FIRE ALARM
FMC	FLEXIBLE METAL CONDUIT
FT	FEET
GC	GENERAL CONTRACTOR
GFCL OFI	GROUND FAULT CIRCUIT INTERRUPTER
G, GND	GROUND
GRS	GALVANIZED RIGID STEEL
HD	HAND DRYER
IG	ISOLATED GROUND
IN	INCHES
KW	KILOWATTS
LPMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MH	MANHOLE
MIN	MINIMUM
ML	MAIN LUG ONLY
MTD	MOUNTED
MTH	MOUNTING HEIGHT
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
PA	PUBLIC ADDRESS
PC	PLUMBING CONTRACTOR
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
REC	RECEPTACLE
REQ'D	REQUIRED
RL	RELOCATED
SCH	SCHEDULE
SM	SURFACE MOUNTED
SPD	SURGE PROTECTIVE DEVICE
SQ	SQUARE
SWBD	SWITCHBOARD
SWG	STEEL WIRE GUARD
TSP	TWISTED SHIELDED PAIR
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDER GROUND
UTP	UNSHIELDED TWISTED PAIR
UWS	UNTWISTED
V	VOLTAGE OR VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTAGE OR WATTS
WG	WIRE GUARD
WM	WALL MOUNTED
WP	WEATHER PROOF
XFMR	TRANSFORMER

WIRING DEVICES LEGEND

SYMBOL	DESCRIPTION
	TAMPER-RESISTANT DUPLEX ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
	TAMPER-RESISTANT DOUBLE DUPLEX ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
	TAMPER-RESISTANT GROUND FAULT INTERRUPTED DUPLEX ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
	TAMPER-RESISTANT SINGLE ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
	TAMPER-RESISTANT SPECIAL PURPOSE SINGLE ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, 250V, NEMA 6-20R.
	TWIST-LOCK SINGLE ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, 125V, 30A, NEMA L5-30R.
	TAMPER-RESISTANT USB CHARGER DUPLEX ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
	DATA & POWER SURFACE RACEWAY - NUMBER OF TRIANGLES INDICATES NUMBER OF DATA DROPS - PROVIDE (2) DUPLEX RECEPTACLES PER DATA DROP
	POWER CORD REEL, NEMA 5-20R.
	FIRE RATED POWER FEED POKE-THROUGH.
	FLOOR BOX.
	MULTIPLE SERVICE WALL BOX.
	JUNCTION BOX, SIZE AS REQUIRED.
	MOTOR, HORSEPOWER AS INDICATED.
	UN-FUSED DISCONNECT SWITCH.
	FUSED DISCONNECT SWITCH.
	HAND DRYER.
	PANEL.
	TRANSFORMER.
	SWITCH. LOWER CASE LETTER INDICATES SWITCHING DESIGNATION UPPER CASE LETTER(S) OR NUMBER SUBSCRIPT(S) (NONE) = SINGLE POLE, 20 A, HEAVY DUTY SPEC GRADE SWITCH K = KEY SWITCH D = DIMMER SWITCH 3 = TREE WAY SWITCH 4 = FOUR WAY SWITCH MC = MOMENTARY CONTACT SWITCH LV = LOW VOLTAGE BUTTON SWITCH EF = COMMERCIAL GRADE EXHAUST FAN SWITCH
	CEILING MOUNTED OCCUPANCY/VACANCY/ DAYLIGHT SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY, COMPLETE W/ POWER PACK(S) AS REQUIRED.
	WALL MOUNTED OCCUPANCY/VACANCY, LOW VOLTAGE, DUAL TECHNOLOGY, COMPLETE W/ POWER PACK(S) AS REQUIRED.
	DUAL TECHNOLOGY SINGLE LEVEL OCCUPANCY SENSING WALL SWITCH.
	PHOTOCELL.
	ROOM CONTROLLER.
	—

WIRING LEGEND

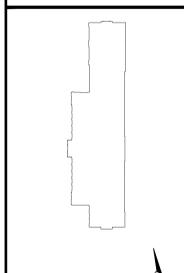
SYMBOL	DESCRIPTION
	SINGLE POLE CIRCUIT 2-#12, #12G, 3/4" UNLESS OTHERWISE NOTED
	TWO POLE CIRCUIT 3-#12, #12G, 3/4" UNLESS OTHERWISE NOTED
	THREE POLE CIRCUIT 4-#12, #12G, 3/4" UNLESS OTHERWISE NOTED

FIRE ALARM SYMBOL LEGEND

SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL. PROVIDE BUILDING SHATTERPROOF FRAMED SCHOOL GRAPHIC PAPER MAP WITHIN SIGHT OF PANEL.
	REMOTE ANNUNCIATOR PANEL. PROVIDE BUILDING SHATTERPROOF FRAMED SCHOOL GRAPHIC PAPER MAP WITHIN SIGHT OF PANEL.
	REMOTE COMMAND CENTER.
	MANUAL PULL STATION WITH ST1 STOPPER PROTECTIVE SHIELD WITHOUT ALARM (OR SIMILAR).
	SMOKE DETECTOR WITH BASE. CO = SMOKE AND CARBON MONOXIDE COMBINATION DETECTOR LED = REMOTE LED INDICATOR
	DUCT DETECTOR WITH HOUSING AND REMOTE LED INDICATOR.
	CARBON MONOXIDE DETECTOR WITH SOUNDER BASE.
	HEAT DETECTOR. FIXED TEMPERATURE OF RISE UNLESS OTHERWISE NOTED. (NONE) = 135°F 195°F
	WALL MOUNT SPEAKER / STROBE NOTIFICATION DEVICE. THE STROBE CANDELA IS 15 cd UNLESS OTHERWISE INDICATED ON DRAWING.
	WALL MOUNT SPEAKER NOTIFICATION DEVICE.
	WALL MOUNT STROBE NOTIFICATION DEVICE. THE STROBE CANDELA IS 15 cd UNLESS OTHERWISE INDICATED ON DRAWING.
	CEILING MOUNT SPEAKER / STROBE NOTIFICATION DEVICE. THE STROBE CANDELA IS 15 cd UNLESS OTHERWISE INDICATED ON DRAWING.
	CEILING MOUNT SPEAKER NOTIFICATION DEVICE.
	CEILING MOUNT STROBE NOTIFICATION DEVICE. THE STROBE CANDELA IS 15 cd UNLESS OTHERWISE INDICATED ON DRAWING.
	ELECTROMAGNETIC HOLD OPEN DEVICE. VOLTAGE TO MATCH SYSTEM.
	FIRE ALARM RELAY.
	HOOD FIRE SUPPRESSION SYSTEM.

REV.	DATE	ITEM

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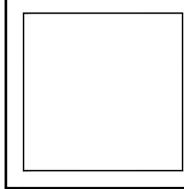
KEY PLAN
NOT TO SCALE

GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
RICHARD J. BAILEY ELEMENTARY SCHOOL
WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY
ELECTRICAL NOTES & LEGENDS

PROJECT
DRAWING BY: DG
CHECK BY: ---

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F. 631.475.0561 F. 518.621.7655
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SED No: 66-04-07-06-0-005-012
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS R.J. BAILEY E.S.
DWS TITLE: ELECTRICAL NOTES & LEGENDS
SCALE: AS NOTED
DATE: MAY 2022
BID PICK UP: MAY 27, 2022
FILE No: 21-290

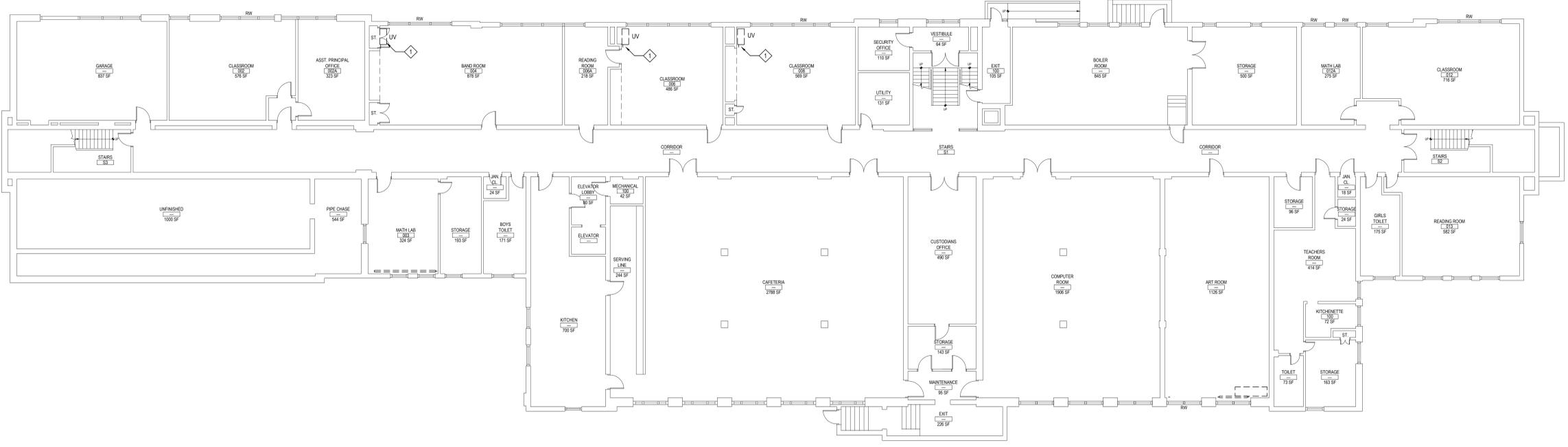
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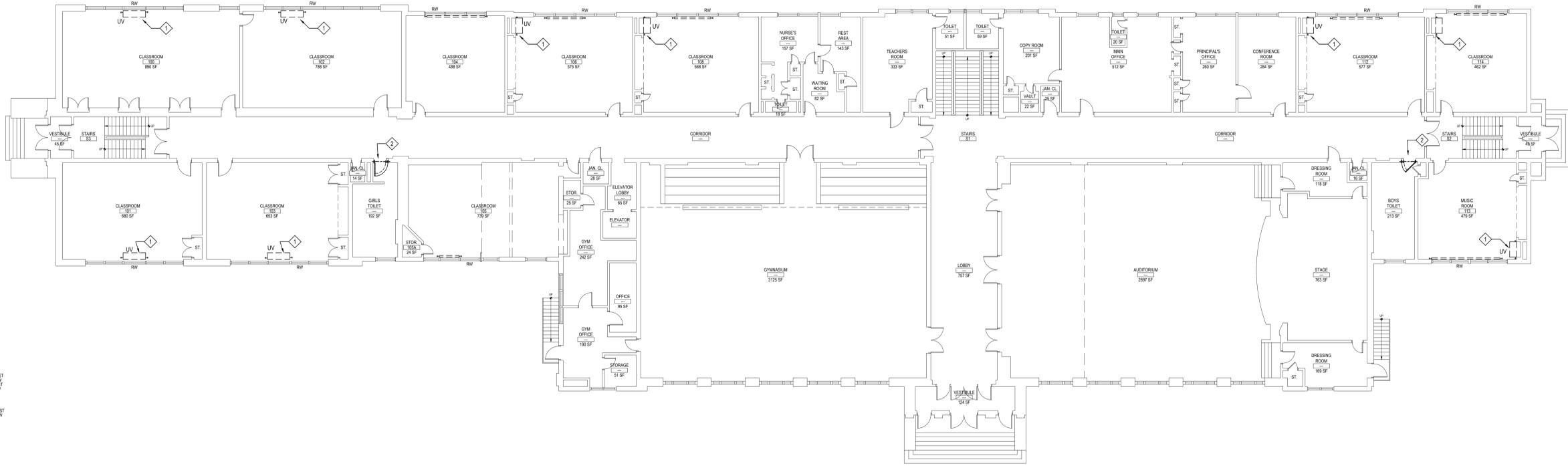
- 1. EC TO DISCONNECT EXISTING UNIT VENTILATOR. REMOVE WIRING AND ACCESSIBLE CONDUIT BACK TO SOURCE. COORDINATE W/ M.C.
- 2. EC TO RELOCATE ANY ELECTRICAL IMPACTED BY DOOR WIDENING BY GC. COORDINATE WORK WITH GC.

REV.	DATE	ITEM

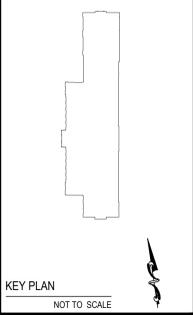
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BASEMENT DEMOLITION PLAN
 SCALE: 3/32" = 1'-0"



FIRST FLOOR DEMOLITION PLAN
 SCALE: 3/32" = 1'-0"



KEY PLAN
 NOT TO SCALE

PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 BASEMENT & FIRST FLOOR
 DEMOLITION PLANS

DRAWING BY: DG
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DISTRICT:	GREENBURGH CSD
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DWG TITLE:	BASEMENT & FIRST FLOOR DEMOLITION PLANS
SCALE:	AS NOTED
DATE:	MAY 2022
BID PICK-UP:	MAY 27, 2022
FILE No:	21-290

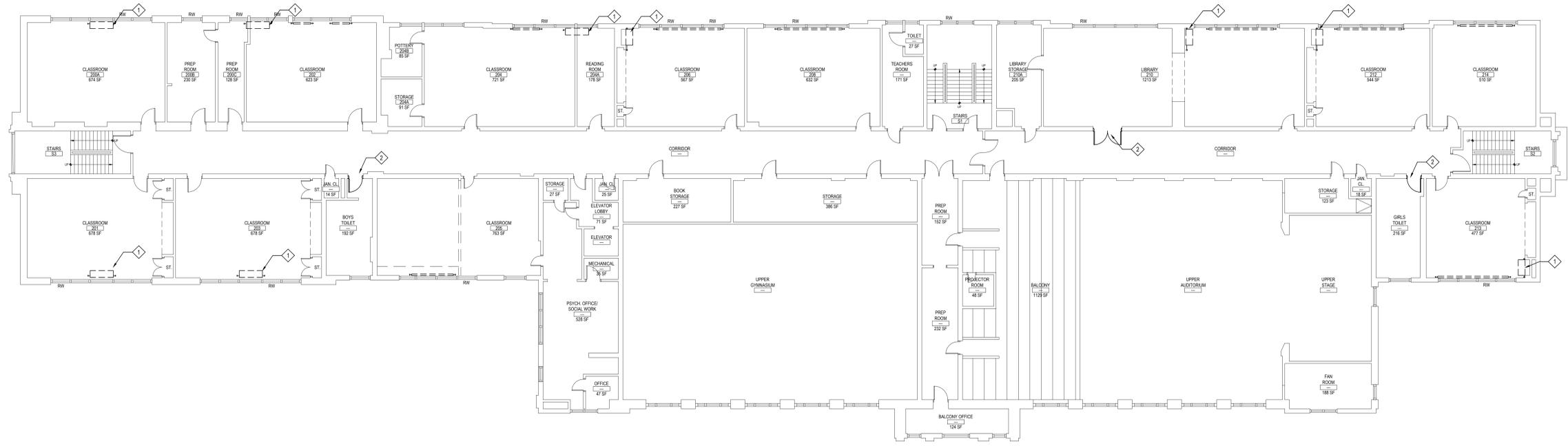
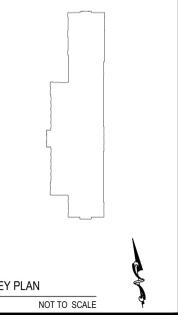
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- DRAWING NOTES:**
- ◇ EC TO DISCONNECT EXISTING UNIT VENTILATOR. REMOVE WIRING AND ACCESSIBLE CONDUIT BACK TO SOURCE. COORDINATE WITH M.C.
 - ◇ EC TO RELOCATE ANY ELECTRICAL IMPACTED BY DOOR WIDENING BY GC. COORDINATE WORK WITH GC.

REV.	DATE	ITEM

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SECOND FLOOR DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

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PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
RICHARD J. BAILEY ELEMENTARY SCHOOL
WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
SECOND FLOOR DEMOLITION PLAN

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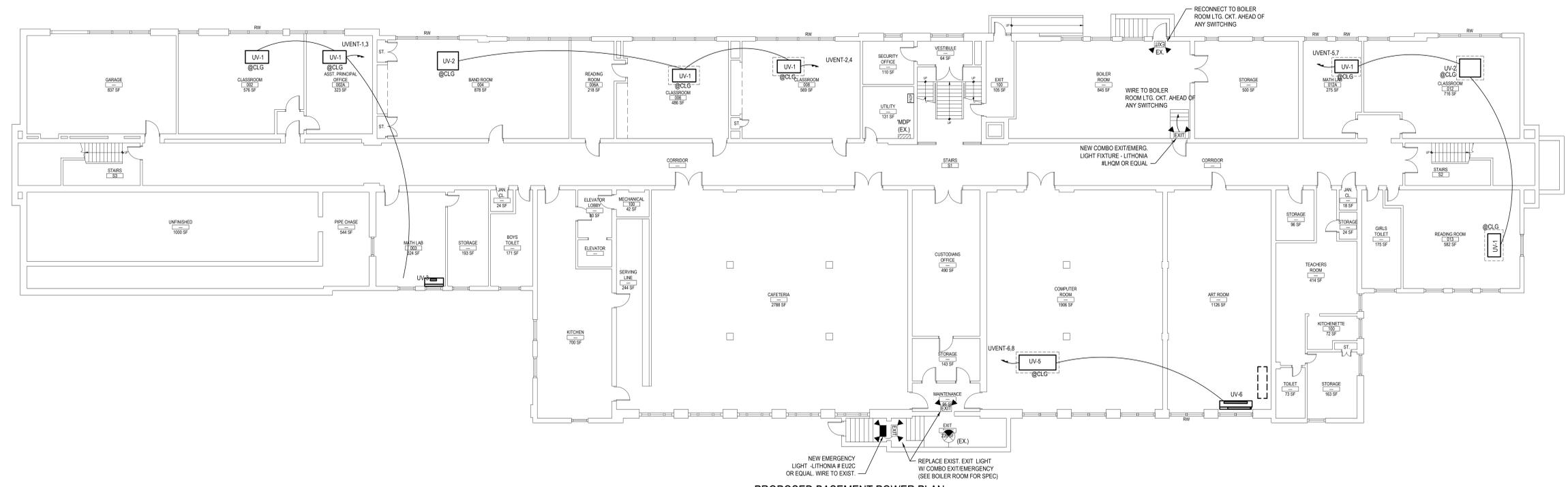
SED No.	66-04-07-06-0-005-012
DISTRICT	GREENBURGH CSD
PROJECT	PH I - DW CAP IMPROVEMENTS R.J. BAILEY E.S.
DWG TITLE	SECOND FLOOR DEMOLITION PLAN
SCALE	AS NOTED
DATE	MAY 2022
BID PICK-UP	MAY 27, 2022
FILE No.	21-290

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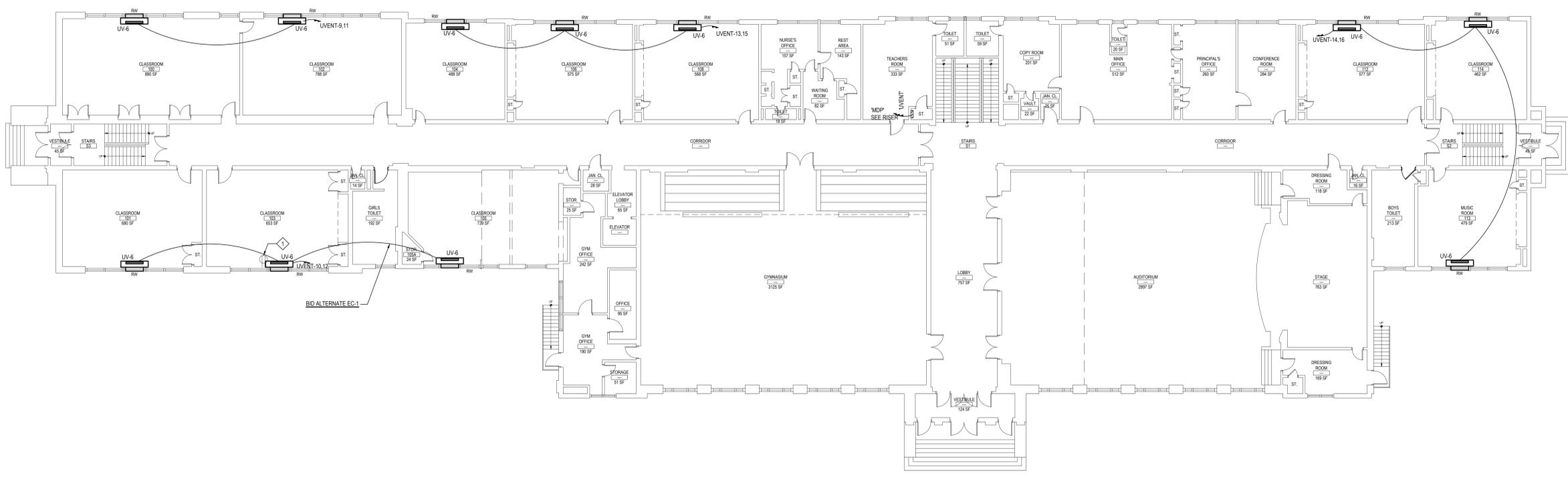
REV.	DATE	ITEM

DRAWING NOTES:
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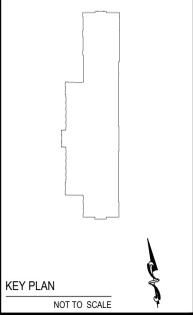
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PROPOSED BASEMENT POWER PLAN
 SCALE: 3/32" = 1'-0"



PROPOSED FIRST FLOOR POWER PLAN
 SCALE: 3/32" = 1'-0"



KEY PLAN
 NOT TO SCALE

PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 BASEMENT & FIRST FLOOR POWER PLANS

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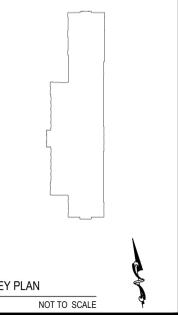
SED No: 66-04-07-06-0-005-012
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS R.J. BAILEY E.S.
DWG TITLE: BASEMENT & FIRST FLOOR POWER PLANS
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-290

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DRAWING NOTES:
 ◇ EC TO RELOCATE EXISTING ELECTRICAL IN INTERFERENCE WITH NEW MECHANICAL EQUIPMENT. REROUTE / EXTEND WIRING AS REQ'D. COORDINATE W/ M.C. COORDINATE FINAL LOCATIONS W/ DISTRICT.
 ◇ PROVIDE FIRE ALARM RELAY WIRED TO FIRE ALARM SYSTEM TO SHUT DOWN UNIT UPON ALARM.

REV.	DATE	ITEM

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PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 RICHARD J. BAILEY ELEMENTARY SCHOOL
 WHITE PLAINS, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 SECOND FLOOR & ROOF POWER PLANS,
 RISER & PANEL SCHEDULE

DRAWING BY: DG
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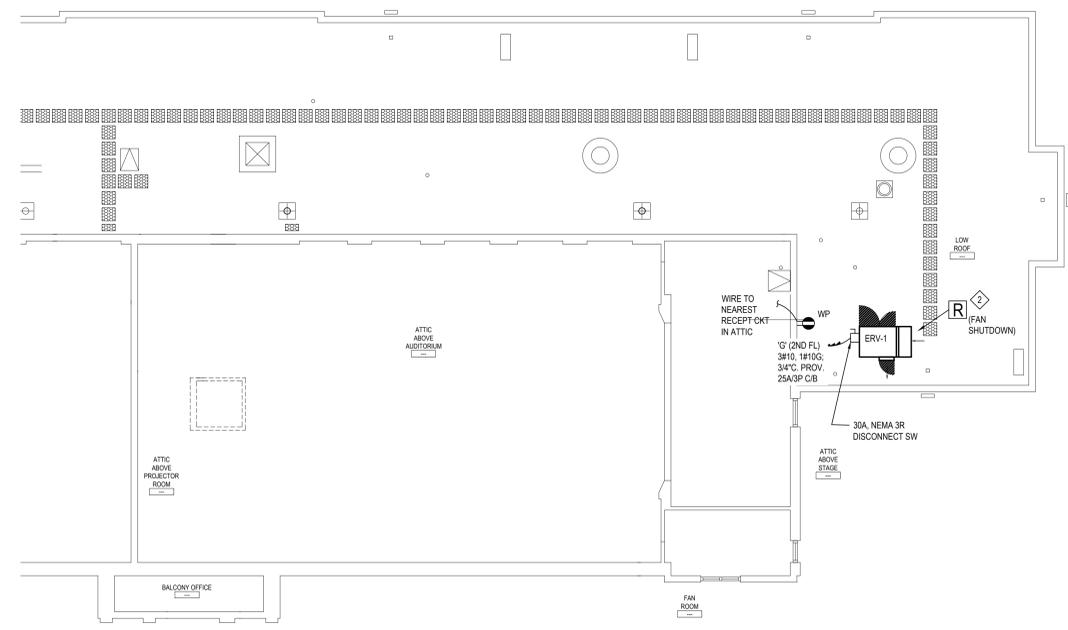
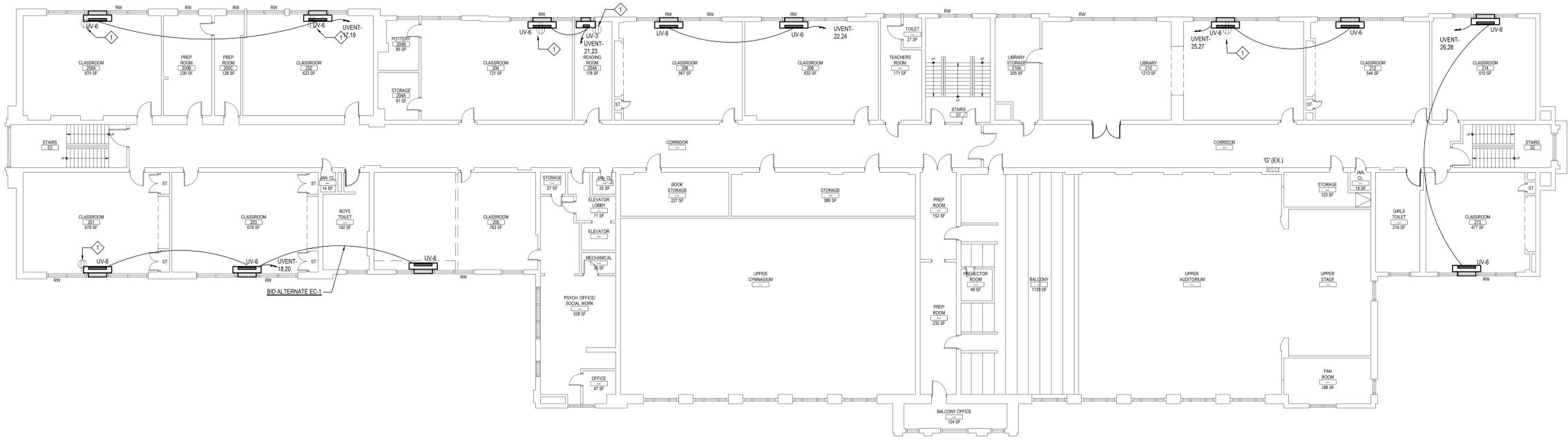
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 DWG TITLE: 2ND FLOOR & ROOF PWR PLANS, RISER & PANEL SCHEDULE
 SCALE: AS NOTED
 DATE: MAY 2022
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 FILE No: 21-290

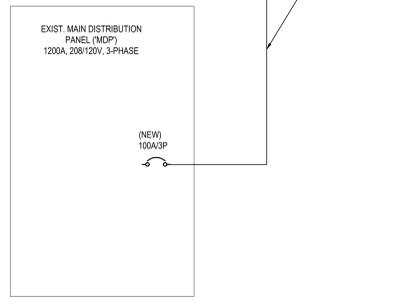
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PANEL BOARD		NAME: UVENT	LOCATION: TCHR ROOM CL.
TYPE: _____	BRANCH BREAKER TYPE: BOLT ON	NO. OF POLES: AS SHOWN	BUS SIZE (A): 125A
MIN AIC RATING (KA): 22K	NEUTRAL: 125A	MAIN CIRCUIT BREAKER: MLO	
MAIN LUGS: #3	VOLTS: 208/120V	PHASE: 3	# WIRES: 4
MOUNTING: SURFACE	ENCL. TYPE: 1	DOOR RECD: DOOR-IN-DOOR	
ACCESSORIES: <input type="checkbox"/> SURGE PROTECTIVE DEVICE (SPD)	<input type="checkbox"/> SPD RATING(KA): N/A	<input type="checkbox"/> SUB-FEED LUGS	<input type="checkbox"/> FEED-THRU LUGS
<input type="checkbox"/> SHUNT TRIP MAIN:	<input type="checkbox"/> ASCO SWITCH:	<input type="checkbox"/> ISOLATED GROUND:	

CKT. #	DESIGNATION	WIRE SIZE	CKT. BRKR.	LOAD			CKT. WIRE SIZE	DESIGNATION	CKT. #
				A	B	C			
1	RMS. 002/002A/003 UVS	12 20					20 12	RMS. 004/006/008 UVS	2
3		12 2P					2P 12		4
5	RMS. 002/002A/003 UVS	12 20					20 12	COMPUTER & ART RMS. UVS	6
7		12 2P					2P 12		8
9	RMS. 100/102 UVS	12 20					20 12	RMS. 101/103 UVS	10
11		12 2P					2P 12		12
13	RMS. 104/106/108 UVS	12 20					20 12	RMS. 112/113/114 UVS	14
15		12 2P					2P 12		16
17	RMS. 200A/202 UVS	12 20					20 12	RMS. 201/203 UVS	18
19		12 2P					2P 12		20
21	RMS. 204/204A UVS	12 20					20 12	RMS. 206/208 UVS	22
23		12 2P					2P 12		24
25	RMS. LIBRARY/212 UVS	12 20					20 12	RMS. 213/214 UVS	26
27		12 2P					2P 12		28
29	SPARE						20	SPARE	30

PANEL SCHEDULE
 SCALE: NONE



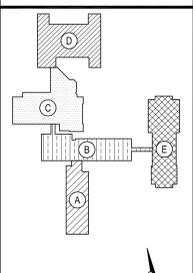
PROPOSED PART RISER DIAGRAM
 SCALE: NONE

AREA	DOOR NO.	LOCATION	SIGNAGE	DOOR							FRAME				FIRE RATING	REMARKS	DOOR NO.		
				LEAVES	WIDTH	HEIGHT	THICKNESS	ELEV. TYPE	MATERIAL	GLAZING	TYPE	MAT.	GLAZING	HARDWARE SET				HEAD	JAMB
	001	LOBBY #D-111 to VESTIBULE	---	2	2'-11.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	001
	002	LOBBY #D-111 to VESTIBULE	---	2	2'-11.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	002
	003	CORRIDOR to VESTIBULE	---	2	2'-7.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	003
	004	CORRIDOR to VESTIBULE	---	2	2'-11.5"/2'-3.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	004
	005	LOBBY to CORRIDOR	---	2	2'-7.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	005
	006	LOBBY to CORRIDOR	---	2	2'-11.5"/2'-3.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	006
	007	LOBBY to CORRIDOR	---	2	2'-7.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	007
	008	LOBBY to CORRIDOR	---	2	2'-11.5"/2'-3.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	008
	009	CORRIDOR to CORRIDOR	---	2	2'-7.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	009
	010	CORRIDOR to CORRIDOR	---	2	2'-11.5"/2'-3.5"	7'-8.5"	1 3/4"	A	GRAINTECH	F.G.	EXISTING TO REMAIN, NEW FRAME INSERT - SPECIAL-LITE 10-32 INSERT WITH SL-70 FRAME WRAP, OR APPROVED EQUAL	03	H1	J1	---	T1	60 MIN.	PROVIDE MAGNETIC HOLD OPENS	010

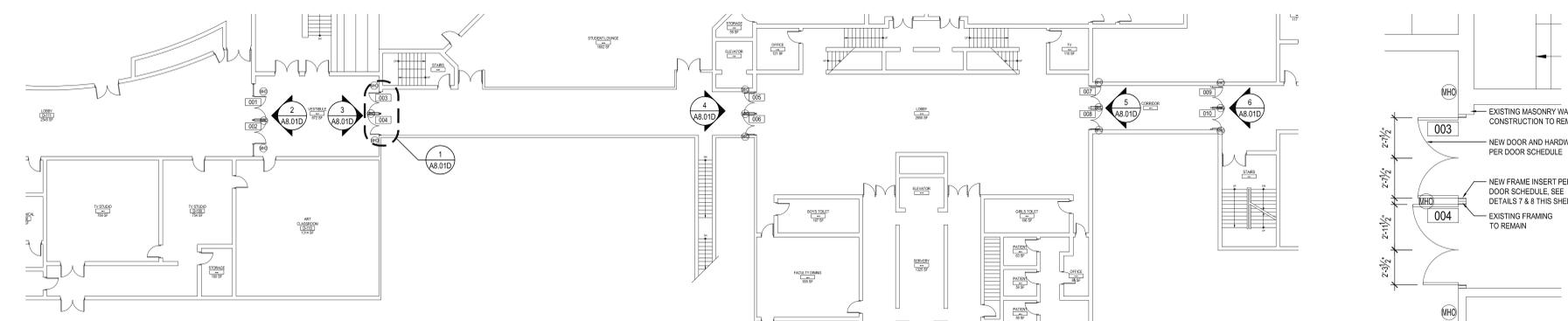
ABBREVIATION LEGEND			
ALUM.	ALUMINUM	S.F.	
S.C.L.C.O.V.	SOLID COMPOSITE LUMBER CORE OAK VENEER	SG-1	1/2" SHOOTER ATTACK GLAZING
M.C.O.V.	MINERAL CORE OAK VENEER	SG-2	1" INSULATED SHOOTER ATTACK GLAZING
S.C.L.C.M.V.	SOLID COMPOSITE LUMBER CORE MAPLE VENEER	SG-3	20 MIN. RATED SHOOTER ATTACK GLAZING
M.C.M.V.	MINERAL CORE MAPLE VENEER	SG-4	45 MIN. RATED SHOOTER ATTACK GLAZING
F.R.P.	FIBERGLASS REINFORCED POLYESTER	SG-5	60 MIN. SHOOTER ATTACK GLAZING
H.M.	HOLLOW METAL	SG-6	90 MIN. SHOOTER ATTACK GLAZING
F.G.	1/2" FIREGLASS 20	BRG-1	LEVEL 1 BULLET RESISTANT GLAZING
F.L.P.	1/2" FIRE-LITE PLUS	BRG-2	LEVEL 2 BULLET RESISTANT GLAZING
PYRO	PYROSTOP GLAZING	BRG-3	LEVEL 3 BULLET RESISTANT GLAZING
INSUL.	1" INSULATED GLAZING	SGP-1	LEVEL 1 BULLET RESISTANT SECURITY PANEL
S.L.	1/2" SAFETY LAMINATED GLAZING	SGP-2	LEVEL 2 BULLET RESISTANT SECURITY PANEL
O.B.S.C.	OBSCURE GLAZING	SGP-3	LEVEL 3 BULLET RESISTANT SECURITY PANEL
U.O.N.	UNLESS OTHERWISE NOTED		

REV.	DATE	ITEM

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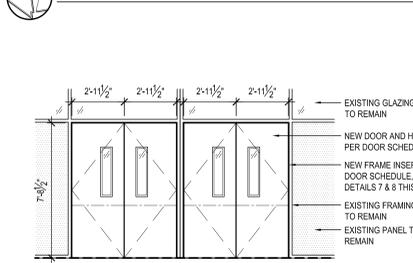


KEY PLAN
NOT TO SCALE

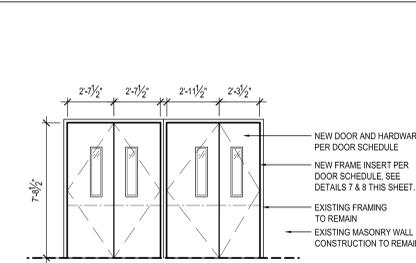


DOOR REPLACEMENT FIRST FLOOR KEY PLAN

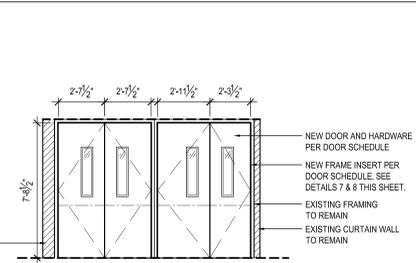
DOOR ELEVATION



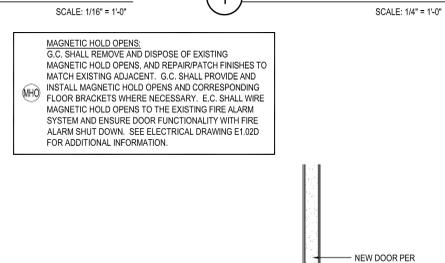
DOOR ELEVATION
SCALE: 1/4" = 1'-0"



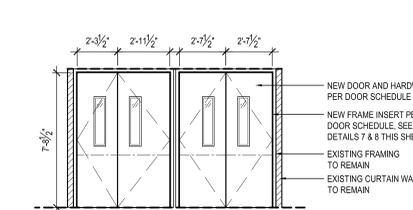
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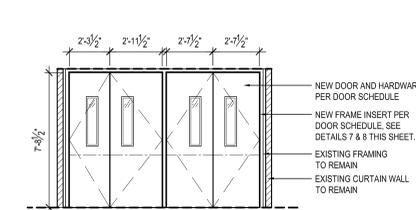
DOOR ELEVATION
SCALE: 1/4" = 1'-0"



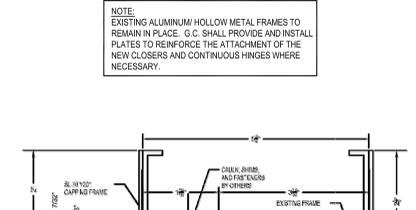
DOOR ELEVATION
SCALE: 1/4" = 1'-0"



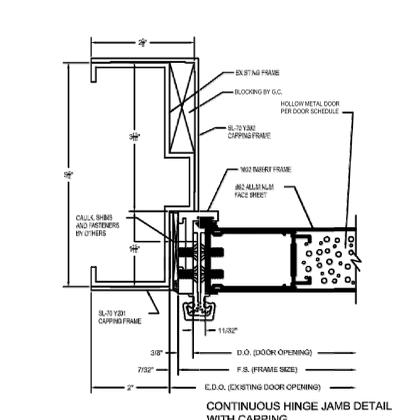
DOOR ELEVATION
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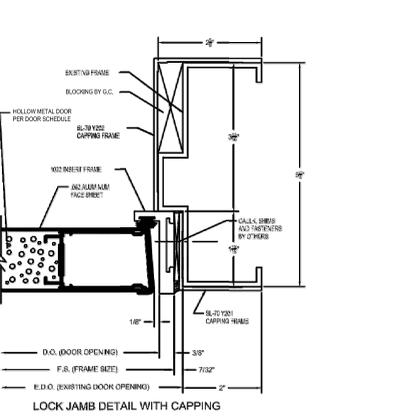
DOOR ELEVATION
SCALE: 1/4" = 1'-0"



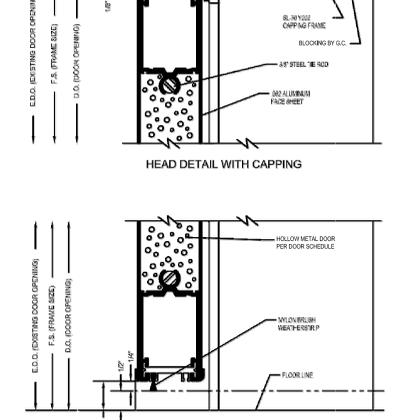
DOOR ELEVATION
SCALE: 1/4" = 1'-0"



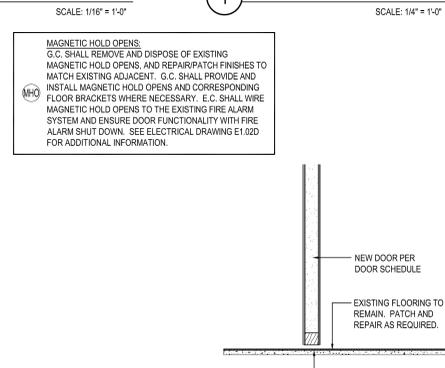
INSERT FRAME DETAIL
SCALE: N.T.S.



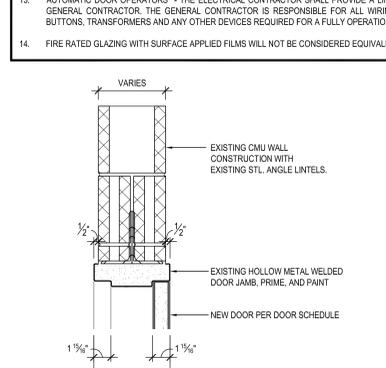
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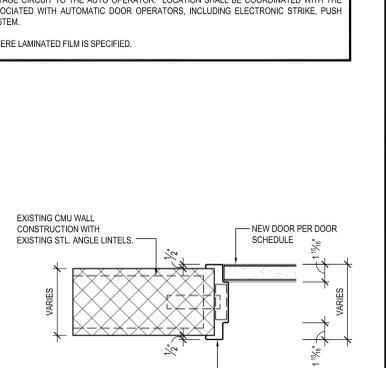
INSERT FRAME DETAIL
SCALE: N.T.S.



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



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



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



DOOR TYPE ELEVATIONS
SCALE: 1/4" = 1'-0"



DOOR TYPE ELEVATIONS
SCALE: 1/4" = 1'-0"

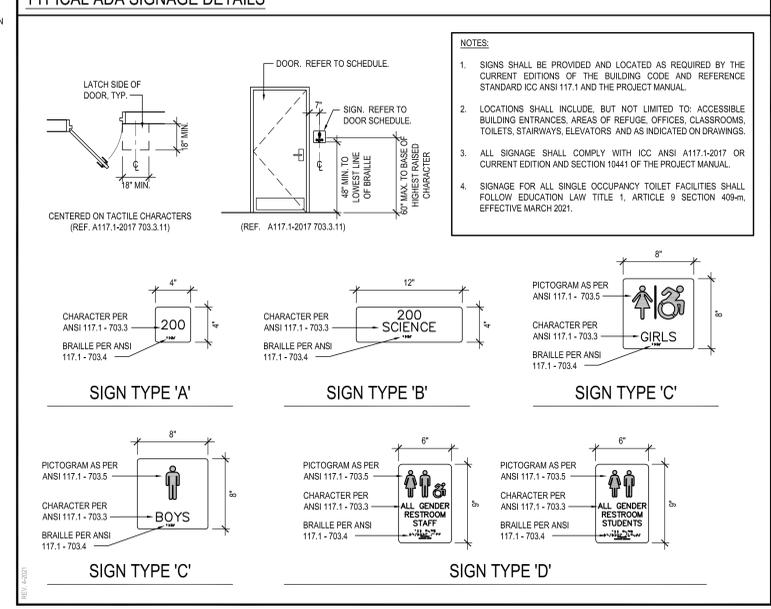


DOOR TYPE ELEVATIONS
SCALE: 1/4" = 1'-0"

DOOR NOTES

- ALL DOORS, FRAMES AND HARDWARE SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- GENERAL CONTRACTOR SHALL COORDINATE ALL KEYING WITH OWNER.
- FIRE RATED WOOD DOORS (60 MIN. AND ABOVE ONLY) SHALL HAVE SOLID MINERAL CORE. ALL OTHER WOOD DOORS SHALL HAVE SOLID COMPOSITE LUMBER CORE.
- FLUSH WOOD DOORS SHALL BE 5 PLY LAMINATED FACE SHEETS WITH 2 PLY FINISH VENEER OVER SPECIFIED CORE. AT FIRE RATED DOORS, TOP AND BOTTOM RAILS AND STILES SHALL BE FIRE RESISTANT COMPOSITION MATERIAL BONDED TO CORE. PROVIDE SOLID BLOCKING FOR CLOSER AND HARDWARE. REFER TO SPECIFICATION SECTION 0821 FOR ADDITIONAL INFORMATION.
- ALL GLAZING IN DOORS SHALL BE INSTALLED IN METAL VISION KIT TO MATCH FIRE LABEL. VISION KIT COLOR SHALL BE AS SELECTED BY ARCHITECT. INTERIOR GLAZING TYPES AND SIZES SHALL CONFORM TO NFPA 80 AND/OR ASTM E19. WHERE SECURITY GLAZING IS INDICATED, VISION KIT SHALL BE THROUGH-BOLT TYPE.
- ALL NEW H.M. FRAMES SHALL BE FULLY WELDED WRAP AROUND TYPE (UNLESS OTHERWISE NOTED OR DETAILED). THROATS SHALL BE SIZED ACCORDING TO WALL THICKNESS AND FINISH. REFER TO FLOOR PLAN AND ENLARGED DETAILS FOR ADDITIONAL INFORMATION.
- FOR DOOR REPLACEMENTS IN KIND, GENERAL CONTRACTOR SHALL MODIFY AND PATCH EXISTING WOOD OR H.M. DOOR FRAMES (DESIGNATED TO REMAIN) TO ACCOMMODATE NEW DOOR OPERATOR, LOCKSET, LATCH, HINGES, DOOR SWING AND/OR CLOSER, ETC. AS REQUIRED FOR COMPLETE AND FUNCTIONAL OPERATION.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING HEIGHT AND WIDTH OF PROPOSED DOORS TO BE INSTALLED IN EXISTING FRAMES (PRIOR TO SHOP DRAWING SUBMITTAL) TO ENSURE PROPER FIT AND DOOR FUNCTION.
- ALL NEW HOLLOW METAL FRAMES AND HOLLOW METAL DOORS SHALL BE FINISH PAINTED. REFER TO SPECIFICATION SECTION 0900 FOR PAINT TYPE. COLOR AS SELECTED BY ARCHITECT.
- GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL A.D.A. COMPLIANT SIGNAGE AT ALL DOORS WHERE SPECIFIED IN DOOR SCHEDULE AND/OR SHOWN ON FLOOR PLANS. INSTALL IN CONFORMANCE WITH ALL ADA HEIGHT AND PLACEMENT REQUIREMENTS.
 - A WHERE DENOTED IN SCHEDULE, PROVIDE 4"x4" SIGNAGE WITH BRAILLE INDICATING ROOM NUMBER (COORD. WITH OWNER), MODEL NO. E-8TCJST.
 - B WHERE DENOTED IN SCHEDULE, PROVIDE 4"x12" SIGNAGE WITH BRAILLE INDICATING ROOM NAME AND NUMBER (COORD. WITH OWNER), MODEL NO. E-8TCJST.
 - C WHERE DENOTED IN SCHEDULE, PROVIDE 9"x9" SIGNAGE WITH BRAILLE INDICATING GENDER AND WHEELCHAIR PICTOGRAMS AND ROOM NAME AT MULTI-USE TOILET ROOMS.
 - AT MULTI-USE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. X-5687 (WOMEN), X-5672 (MEN), X-7095 (BOYS), X-7096 (GIRLS).
 - AT MULTI-USE ACCESSIBLE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. X-5688 (WOMEN), X-5671 (MEN), X-7108 (BOYS), X-7107 (GIRLS).
 - D WHERE DENOTED IN SCHEDULE, PROVIDE 9"x9" SIGNAGE WITH BRAILLE INDICATING GENDER AND WHEELCHAIR PICTOGRAMS AND ROOM NAME AT SINGLE-USE TOILET ROOMS.
 - AT SINGLE-USE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. E-8TCJST. SIGN SHALL SPECIFY STAFF OR STUDENT USE AS REQUIRED.
 - AT SINGLE-USE ACCESSIBLE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. E-8TCJST. SIGN SHALL SPECIFY STAFF OR STUDENT USE AS REQUIRED.
- MANUFACTURER: "ALL STATE SIGN AND PLAQUE", DEER PARK, NY OR APPROVED EQUAL. ALL SIGNAGE SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL. COLOR AS SELECTED BY ARCHITECT.
- ALL REMOVABLE MULLIONS ARE TO BE KEYS ALIKE AND TO MATCH EXISTING BUILDING SYSTEM.
- AUTOMATIC DOOR OPERATORS - THE ELECTRICAL CONTRACTOR SHALL PROVIDE A LINE VOLTAGE CIRCUIT TO THE AUTO OPERATOR. LOCATION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WIRING ASSOCIATED WITH AUTOMATIC DOOR OPERATORS, INCLUDING ELECTRONIC STRIKE, PUSH BUTTONS, TRANSFORMERS AND ANY OTHER DEVICES REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- FIRE RATED GLAZING WITH SURFACE APPLIED FILMS WILL NOT BE CONSIDERED EQUIVALENT WHERE LAMINATED FILM IS SPECIFIED.

TYPICAL ADA SIGNAGE DETAILS



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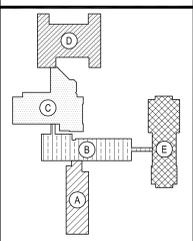
BBS ARCHITECTS
 LANDSCAPE ARCHITECTS
 ENGINEERS
 244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
 PATCHOGUE, ALBANY
 NEW YORK 11772 | NEW YORK 12205
 T. 631.475.0349 | T. 518.621.7650
 F. 631.475.0361 | F. 518.621.7655
 www.bbsarchitect.com

SED No.	66-04-07-06-0-007-022
DISTRICT	GREENBURGH CSD
PROJECT	PH 1 - DW CAP IMPROVEMENTS WOODLANDS M.S.H.S.
DWG TITLE	DOOR SCHEDULE
SCALE	AS NOTED
DATE	MAY 2022
BID PICK-UP	MAY 27, 2022
FILE No.	21-291

A8.01D

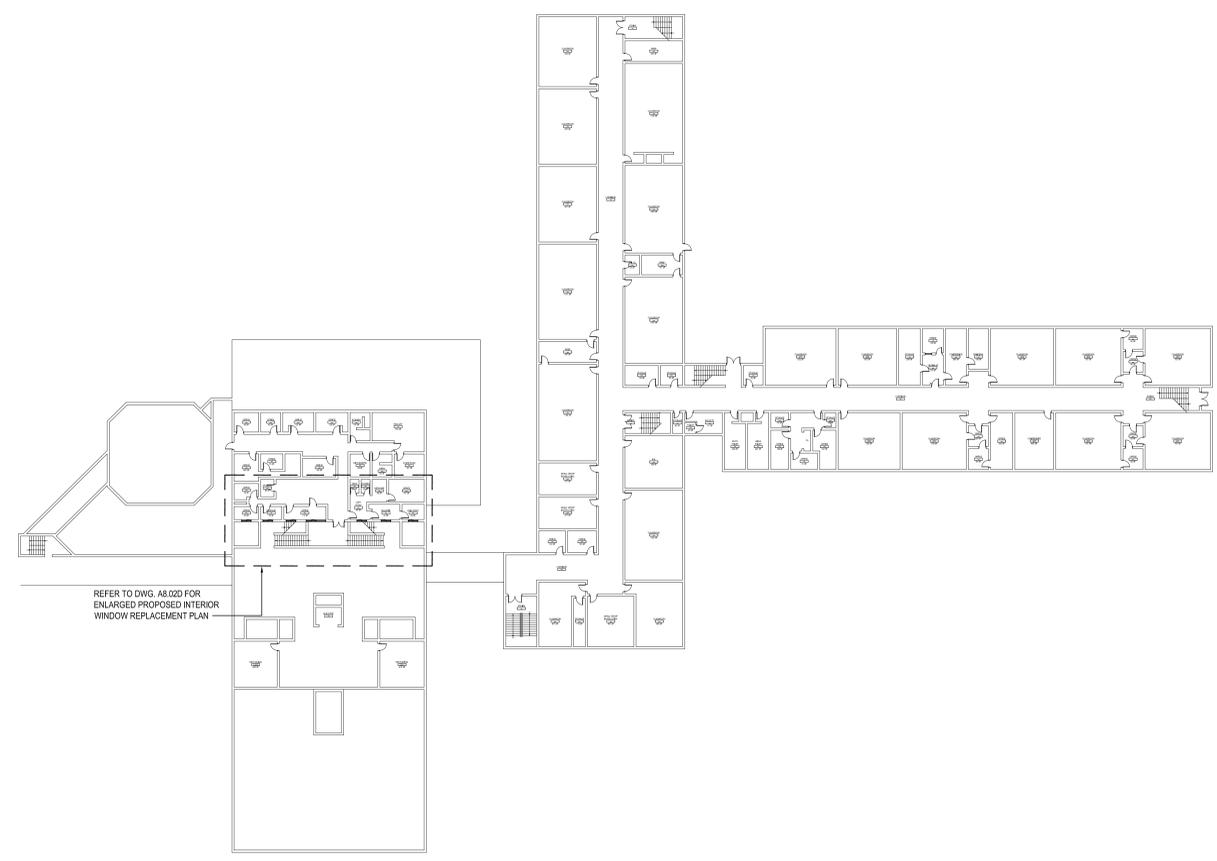
REV.	DATE	ITEM

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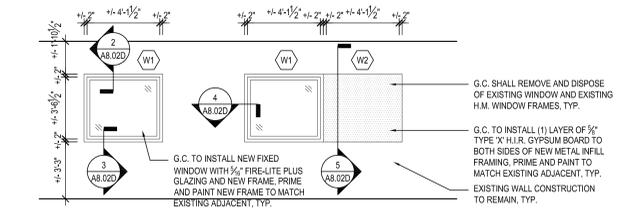


KEY PLAN
 NOT TO SCALE

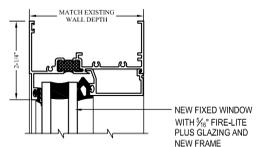
DEMOLITION and PROPOSED WINDOW REPLACEMENTS
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 WOODLANDS MIDDLE/HIGH SCHOOL
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY



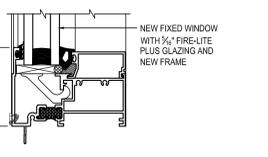
INTERIOR WINDOW REPLACEMENT SECOND FLOOR KEY PLAN
 SCALE: 1/32" = 1'-0"



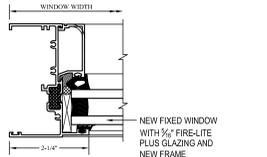
1 TYPICAL WINDOW REPLACEMENT ELEVATION
 SCALE: 1/4" = 1'-0"



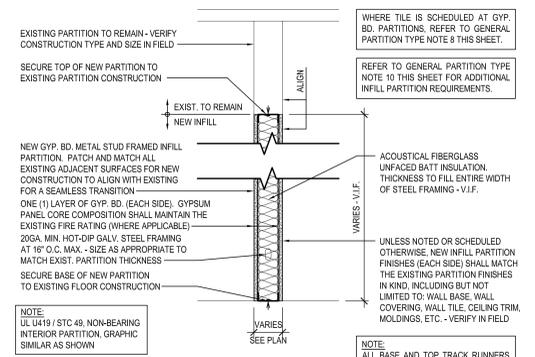
2 TYPICAL HEAD DETAIL
 SCALE: 6" = 1'-0"



3 TYPICAL SILL DETAIL
 SCALE: 6" = 1'-0"



4 TYPICAL JAMB DETAIL
 SCALE: 6" = 1'-0"



5 GYP. BD. METAL STUD INFILL PARTITION
 CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS IN FIELD

PRE-ABATEMENT WORK NOTES:
 1. THE CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATIONS OF PERSONAL AND WASTE DECONTAMINATION ENCLOSURES, PICK UP AREA FOR REFUSE AND ASBESTOS DEBRIS. THESE LOCATIONS SHALL BE REVIEWED AND PROPERLY APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF WORK. THIS CONTRACTOR SHALL ESTABLISH, LABEL AND MAINTAIN PROPER EXITS AND WAYS OF DEPARTURE WITHIN EACH WORK AREA FOR NORMAL AND EMERGENCY USE BY WORKERS DURING ALL ABATEMENT.

POST-ABATEMENT WORK NOTES:
 1. THE CONTRACTOR SHALL, UPON COMPLETION OF REMOVALS, PROVIDE WRITTEN DOCUMENTATION THAT THE PROJECT WORK AREAS ARE COMPLETELY FREE OF ALL HAZARDOUS MATERIALS.
 2. THE CONTRACTOR SHALL PROVIDE RECORDS OF ALL HAZARDOUS MATERIALS REMOVED FROM THE SITE.

ABATEMENT NOTES

(A)	REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING ELBOWS TO FIBERGLASS PIPE INSULATION WITH CANVAS WRAP, AT ALL LOCATIONS BASED ON THIS PROJECT LOCATED IN MECHANICAL ROOMS. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.
(B)	REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING ELBOWS TO FIBERGLASS PIPE INSULATION WITH TAR CONTAINING WRAP. AT ALL LOCATIONS BASED ON THIS PROJECT LOCATED IN MECHANICAL ROOMS. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.
(C)	REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING DUCT INSULATION AT ALL LOCATIONS BASED ON THIS PROJECT. LOCATED IN CAFETERIA MECHANICAL ROOM #1. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.

NOTES:
 REFER TO ENVIRONMENTAL CONSULTANTS, REPORT FOR PROJECT # 21819, CONTAINED WITHIN THE PROJECT MANUAL, FOR ALL PRECONSTRUCTION SURVEY, BULK SAMPLING AND ANALYSIS OF SUSPECT/ASSUMED ASBESTOS CONSTRUCTION MATERIALS. G.C. TO COORDINATE WITH ENVIRONMENTAL CONSULTANTS FOR PROJECT-SPECIFIC ABATEMENT & DISPOSAL PROTOCOL REQUIRED.

LEAD CONTAINING NOTES
 NONE OF THE BUILDING MATERIALS AFFECTED BY THE SCOPE OF WORK WERE FOUND TO BE LEAD CONTAINING. PLEASE SEE TEST RESULTS AND REPORT BY ENVIRONMENTAL CONSULTANTS, REPORT FOR PROJECT # 21819, CONTAINED WITHIN THE PROJECT MANUAL, FOR ALL PRECONSTRUCTION SURVEY, BULK SAMPLING AND ANALYSIS OF SUSPECT/ASSUMED LEAD CONTAINING CONSTRUCTION MATERIALS.

GENERAL PARTITION TYPE NOTES:

- ALL PARTITIONS SHALL EXTEND TO UNDERSIDE OF A FLOOR SLAB OR ROOF DECK UNLESS OTHERWISE NOTED.
- AT ALL PARTITIONS THAT ARE DESIGNATED TO BE FIRE RATED PARTITIONS, PROVIDE CONTINUOUS SMOKE AND FIRESTOPPING SEALANT AT TOPS OF PARTITIONS; AT ALL PENETRATIONS THROUGH RATED PARTITIONS, AND FIRE SHARPING JOINT FILLER AT PARTITION TO SLAB/DECK JUNCTION.
- REFER TO CODE COMPLIANCE DRAWINGS FOR LOCATIONS OF ALL FIRE RATED PARTITIONS/ASSEMBLIES AND ADDITIONAL FIRE RATING INFORMATION.
- ALL PARTITIONS SHALL BE FINISHED AS SCHEDULED. ALL FINISHES SHALL BE CONTINUOUS AT ALL PARTITION FACES UNLESS NOTED OTHERWISE. REFER TO A9-SERIES FOR ADDITIONAL FINISH INFORMATION.
- ALL NEW PARTITIONS SHALL BE PREPPED, PRIMED AND PAINTED, PER SPECIFICATION SECTION 0900.
- REFER TO THE PROJECT MANUAL FOR CONTROL AND EXPANSION JOINT REQUIREMENTS FOR ALL MASONRY WALL CONSTRUCTION, GYP. BD. WALL CONSTRUCTION, GYP. BD. LAMINATION, AND PLASTER SURFACING.
- REFER TO SPECIFICATIONS FOR GYPSUM BOARD TYPE DESIGNATIONS AND APPLICABLE LOCATIONS (GYP. BD. TYPE I / TYPE II).
- WHERE METAL STUD FRAMED PARTITIONS ARE SCHEDULED TO RECEIVE NEW TILE FINISHES, THE CONTRACTOR SHALL PROVIDE GYPSUM WALL BOARD TYPE I AT THE LOCATIONS TO RECEIVE TILE (ONLY IN LIEU OF THE SCHEDULED GYP. BD. TYPE FOR A SUITABLE WALL FINISH SUBSTRATE. REFER TO A-9 SERIES FOR ADDITIONAL INFORMATION).
- ALL NEW OPENINGS IN METAL STUD PARTITIONS, INCLUDING BUT NOT LIMITED TO DOORS AND WINDOWS, SHALL RECEIVE THE APPROPRIATE HEADER AS DESIGNED BY THE LIGHT GAUGE FRAMING MANUFACTURER.
- WHERE EXISTING OPENINGS IN EXISTING PARTITIONS ARE SCHEDULED TO BE INFILLED, THE NEW INFILL CONSTRUCTION SHALL MAINTAIN AND MATCH THE EXISTING PARTITION'S FIRE RATINGS FOR CONTINUITY OF FIRE AND SMOKE PROTECTION - CONTRACTOR TO VERIFY IN FIELD (1-HR MIN. RATING AT CORRIDORS). REFER TO CODE COMPLIANCE DRAWINGS FOR ADDITIONAL INFORMATION.
- AT ALL LOCATIONS WHERE EXISTING PARTITIONS ARE SCHEDULED TO BE PATCHED OR INFILLED, ALL NEW CONSTRUCTION FINISHES SHALL MATCH THE EXISTING ADJACENT SURFACES IN KIND - CONTRACTOR TO V.I.F.
- AT ALL LOCATIONS WHERE NEW WORK IS SCHEDULED, THE CONTRACTOR SHALL PROVIDE SOLID BLOCKING, LATERAL BRACING, AND ADDITIONAL FRAMING AS REQUIRED TO SECURE NEW PARTITIONS TO THE STRUCTURE ABOVE AND TO ACCOMMODATE ALL NEW WALL MOUNTED FIXTURES, ACCESSORIES, EQUIPMENT, ETC.
- WHERE PARTITION TYPES ARE NOT SPECIFICALLY IDENTIFIED IN PLAN, IT IS THE INTENT THAT THE GRAPHICALLY INDICATED WALL TYPE SHALL BE CONTIGUOUS UNTIL INTERRUPTED BY ANOTHER SPECIFIED WALL TYPE.

PAINT TYPES
 TYPE P1: PAINT BY SHERWIN WILLIAMS, DTM ALKOY SEMI-GLOSS ENAMEL, COLOR: TO BE SELECTED BY ARCHITECT (I.I.M. WINDOW FRAMES).

NOTE:
 ALL DIMENSIONS GIVEN ARE +/- AND ARE TO BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION OF NEW PANELS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY ARCHITECT PRIOR TO FABRICATION AND INSTALLATION OF NEW WORK.

DEMOLITION and REMOVAL NOTES

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

ENLARGED PROPOSED INTERIOR WINDOW REPLACEMENT PLAN
 NOTE:



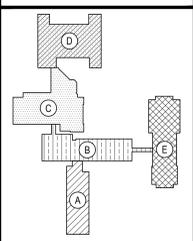
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SED No:	66-04-07-06-0-007-022
DISTRICT:	GREENBURGH CSD
PROJECT:	PH I - DW CAP IMPROVEMENTS WOODLANDS M.S.H.S.
DWG TITLE:	DEMO AND PROPOSED WINDOW REPLACEMENTS
SCALE:	AS NOTED
DATE:	MAY 2022
BID PICK-UP:	MAY 27, 2022
FILE No:	21-291

A8.02D

REV.	DATE	ITEM

NOTICE
 THESE DRAWINGS ARE BASED ON CONSTRUCTION DRAWINGS NOT PREPARED BY BBS ARCHITECTS, LANDSCAPE ARCHITECTS AND ENGINEERS, P.C. AND, THEREFORE, MAY NOT REPRESENT THE CONDITIONS AS CONSTRUCTED AT THE TIME. ALL EXISTING CONDITIONS SHOWN ARE REPRESENTED AS SUGGESTIVE INFORMATION AS THEY HAVE NOT BEEN BUILT AND DETAIL PER THE ORIGINAL DOCUMENTS OR PER THE OWNER'S INFORMATION.



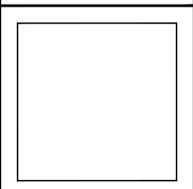
KEY PLAN
 NOT TO SCALE

MECHANICAL GENERAL NOTES AND SYMBOLS
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 WOODLANDS MIDDLE/ HIGH SCHOOL
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

PROJECT
 DRAWING BY: DS
 CHECK BY: DS

NOTICE
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BBS
 ARCHITECTS
 LANDSCAPE ARCHITECTS
 ENGINEERS
 244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
 PATECOGUE | ALBANY
 NEW YORK 12225 | NEW YORK 12205
 T. 518.475.0349 | T. 518.621.7650
 F. 518.475.0561 | F. 518.621.7655
 www.BBSARCHITECTURE.com



SED No: 66-04-07-06-0-007-022
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS WOODLANDS M.S./H.S.
DWG TITLE: MECHANICAL GENERAL NOTES AND SYMBOLS
SCALE: AS NOTED
DATE: MAY 2022
BID PICKUP: MAY 27, 2022
FILE No: 21-291

M0.01D

GENERAL NOTES

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

CONTROLS SUBCONTRACTOR, UNDER CONTRACT TO MECHANICAL CONTRACTOR

FIRE STOPPING NOTES

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

GENERAL INSTRUMENTATION NOTES

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

PIPING SYSTEMS AND EQUIPMENT VENTING NOTES

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

ELECTRICAL WORK UNDER MECHANICAL CONTRACT

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

DUCTWORK NOTES

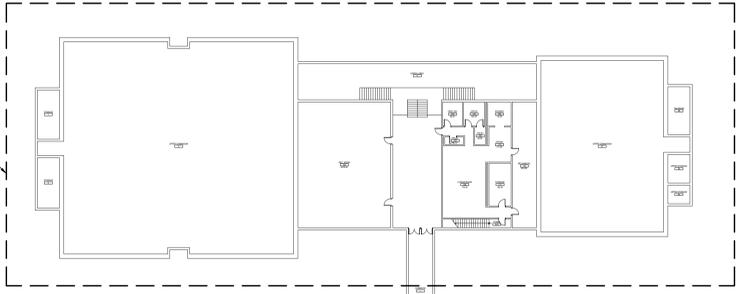
- PROVIDE ALL NEW DUCTWORK AS SHOWN AND SPECIFIED UNDER SPECIFICATION SECTION 015891, AND IN CONFORMANCE WITH "SMACNA" SPECIFICATIONS.
- IF A DUCT ELBOW IS SHOWN TO BE RADIUS, THEN RADIUS ELBOWS SHALL BE INSTALLED. SQUARE ELBOWS MAY NOT BE SUBSTITUTED WHERE RADIUS ELBOWS ARE SHOWN. WHERE SQUARE ELBOWS ARE SHOWN, TURNING VANES SHALL BE INSTALLED UPON APPROVAL BY THE ENGINEER.
- PROVIDE DUCT LINING IN ALL DUCTWORK THAT IS CONVEYING BELOW AMBIENT TEMPERATURE AIR & IS NOT INSULATED. PROVIDE LINING IN SUPPLY & RETURN AIR DUCTWORK FROM AIR HANDLING EQUIPMENT TO 20 FEET AWAY FROM THE UNITS). IN ADDITION, INCLUDE LINING IN ANY OTHER DUCT SPECIFICALLY SHOWN OR SPECIFIED TO BE EQUIPPED WITH LINING. REFER TO SPECIFICATION SECTION 15891 & 15290 FOR FURTHER INFORMATION.
- WHERE FLEXIBLE DUCTWORK IS USED, LENGTHS MAY NOT EXCEED 4 FEET TOTAL IN ANY ONE RUN OF FLEXIBLE DUCTWORK. FLEXIBLE DUCTWORK SHALL BE RATED IN ACCORDANCE WITH UL 181, CLASS 1. REFER TO SPECIFICATION SECTION 15891 FOR FURTHER INFORMATION.
- MECHANICAL CONTRACTOR SHALL PROVIDE A BUTTERFLY TYPE VOLUME DAMPER WITH LOCKING QUADRANT HANDLE PRIOR TO EACH AIR OUTLET SHOWN. INSTALL DAMPER AT LEAST 5 FEET AWAY FROM AIR OUTLET WHERE POSSIBLE.
- MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE DUCT CONNECTIONS WHERE DUCT SYSTEMS CONNECT TO EQUIPMENT. REFER TO SPECIFICATION SECTION 15891 FOR FURTHER INFORMATION.

TESTING and BALANCING NOTES

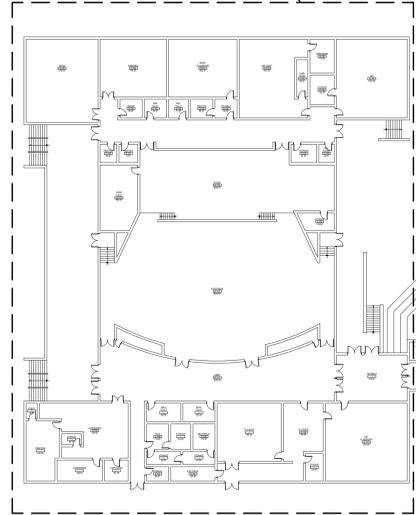
- MECHANICAL CONTRACTOR WILL BE REQUIRED TO PERFORM ALL EQUIPMENT & SYSTEM TESTING / BALANCING REQUIRED UNDER THIS CONTRACT. PROVIDE A FULL REPORT DETAILING ALL DESIGN & ACTUAL CONDITIONS FOR ALL AIR & HYDRONIC SYSTEMS SHOWN ON THE DRAWINGS. REFER TO SPECIFICATION SECTIONS 15990 & 15997 FOR FURTHER DETAILS.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

CONTRACTOR ABBREVIATIONS:
 M.C. = MECHANICAL CONTRACTOR
 C.C. = CONTROLS CONTRACTOR
 R.C. = CERTIFIED ROOFING CONTRACTOR
 P.C. = PLUMBING CONTRACTOR
 E.C. = ELECTRICAL CONTRACTOR

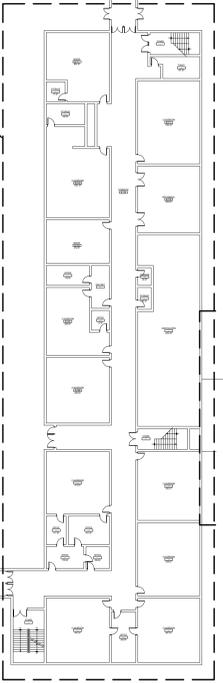
AREA E
 SEE DWG. M1.05 FOR
 MORE INFORMATION



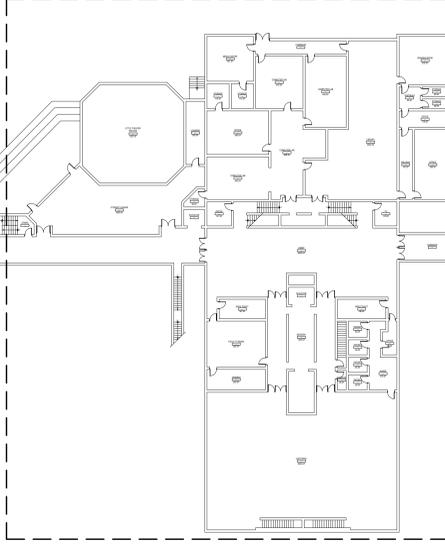
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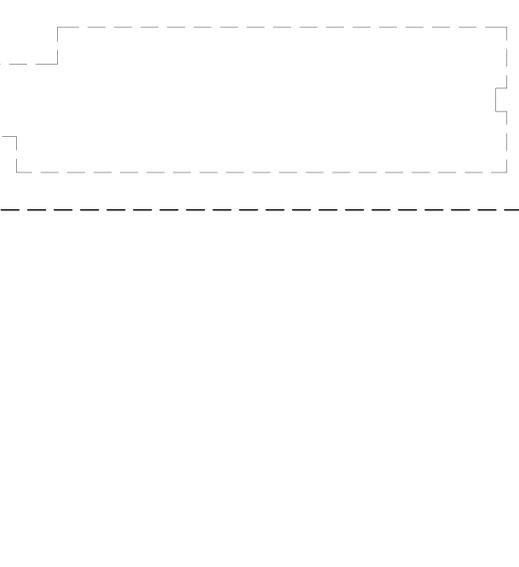
AREA B
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 MORE INFORMATION



AREA C
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 MORE INFORMATION

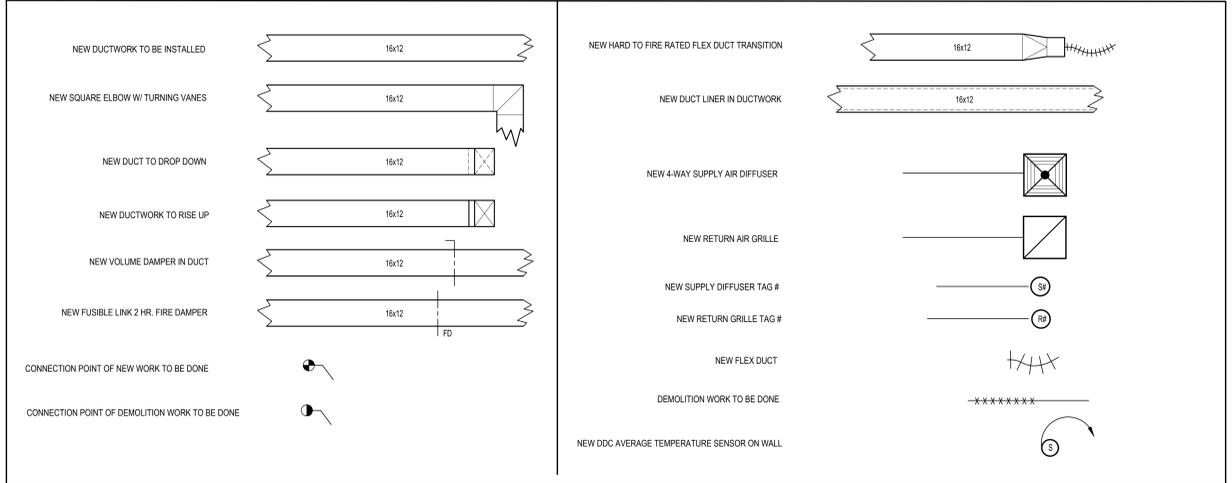


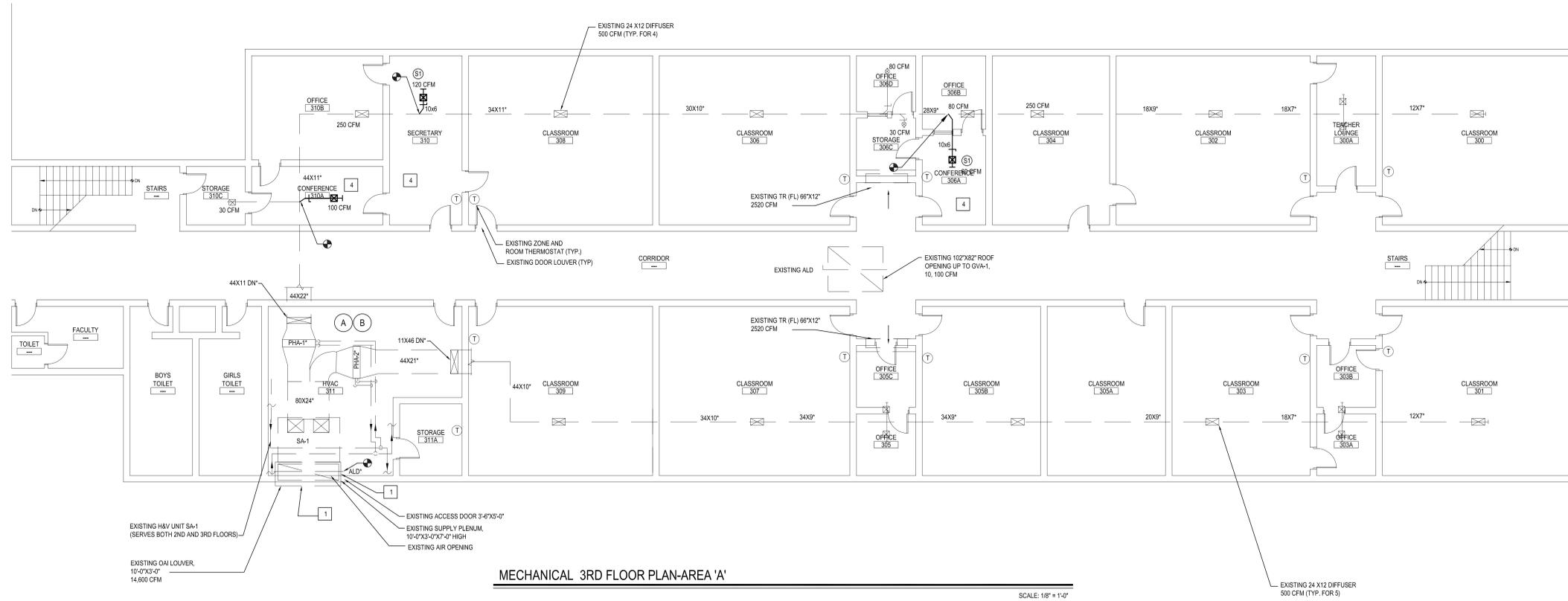
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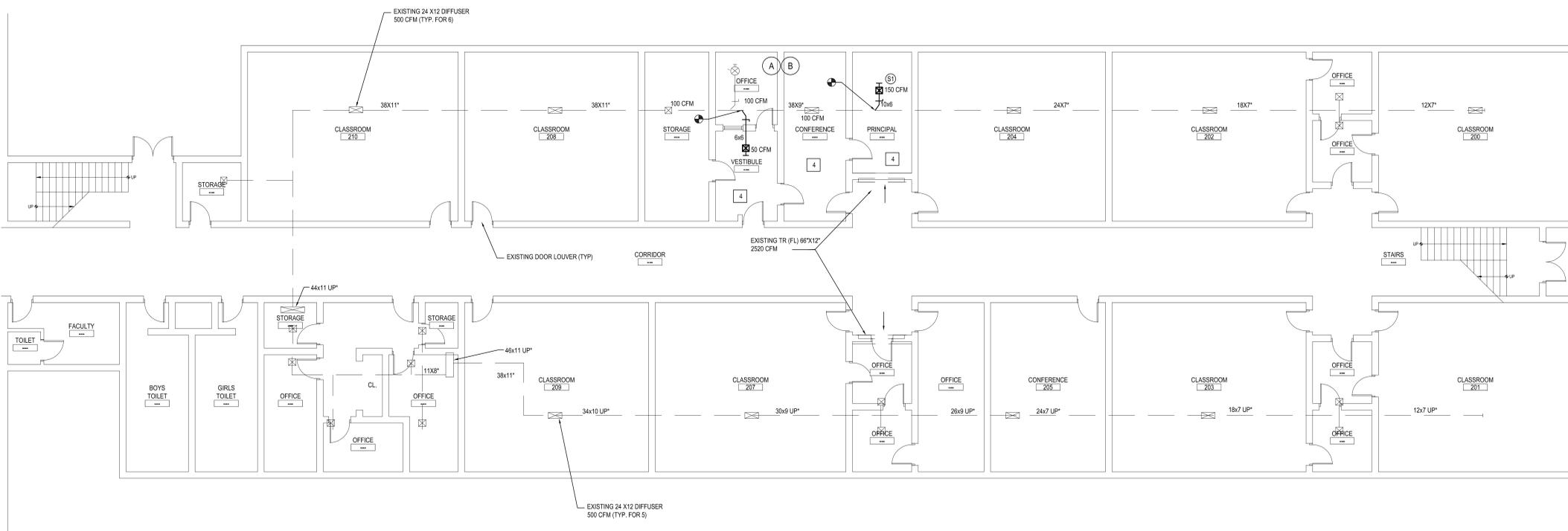
MECHANICAL FIRST FLOOR KEY PLAN
 SCALE: 1/32" = 1'-0"

MECHANICAL LEGEND, SYMBOLS, AND ABBREVIATIONS





MECHANICAL 3RD FLOOR PLAN-AREA 'A' SCALE: 1/8" = 1'-0"



MECHANICAL 2ND FLOOR PLAN-AREA 'A' SCALE: 1/8" = 1'-0"

VENTILATION SCHEDULE

Room Number	Occupancy Classification	Occupancy Density (People Per 1000SF)	People Outdoor Airflow Rate in Breathing Zone, Rp (CFM/Person)	Area Outdoor Airflow Rate in Breathing Zone, Ra (CFM/SF)	Exhaust Airflow Rate (CFM/SF)	Area (SF)	Number of People (Pz)	Ventilation in Breathing Zone, Vbz (CFM)	Zone Air Distribution Effectiveness, Ez	Corrected Zone Outdoor Airflow, CFM, Voz	OAI (CFM) Supplied
310 B	Office space	5	5	0.06	0	319	2	30	0.8	38	250
310A	Conference room	50	5	0.06	0	180	9	56	0.8	70	100
310C	Storage room	0	0	0.12	0	80	0	10	0.8	13	30
310	Office space	5	5	0.06	0	287	2	28	0.8	35	120
306A	Conference room	50	5	0.06	0	133	7	43	0.8	54	60
306B	Office space	5	5	0.06	0	109	1	12	0.8	15	80
306D	Office space	5	5	0.06	0	77	1	10	0.8	13	30
300C	Storage room	0	0	0.12	0	80	0	10	0.9	12	15
206 Storage	Office space	5	5	0.06	0	254	2	26	0.9	29	100
206 Office	Office space	5	5	0.06	0	105	1	12	0.9	14	100
206 Vestibule	Main entry lobby	10	5	0.06	0	130	2	18	0.9	20	50
206 Conf.	Conference/meeting	50	5	0.06	0	245	13	80	0.9	89	100
206 Principal	Office space	5	5	0.06	0	168	1	16	0.9	18	150

DIFFUSER & REGISTER SCHEDULE (ANEMOSTAT AS STANDARD)

TAG	MANUFACTURER MODEL NO.	MODULE SIZE	NECK SIZE	MAXIMUM NC LEVEL	CFM RANGE	SYMBOL/FLOW PATTERN
S1	CEILING DIFFUSER ANEMOSTAT MODEL 017 T-BAR LAY-IN	12x12	8"	20 NC	UP TO 189	☒ ALL FLOW PATTERNS
R1	CEILING GRILLES ANEMOSTAT MODEL 30-45	24x24	22x22	26 NC	UP TO 1400	☑
R2	CEILING GRILLES ANEMOSTAT MODEL 30-45	12x12	10x10	20 NC	UP TO 415	☑

- NOTES:
- REPLACE BOTH AUTOMATIC OAI DAMPER AND RETURN PLENUM DAMPER WITH NEW TO MATCH EXISTING. REPLACE PRELIMATIC CONTROLS WITH NEW TO MATCH EXISTING. NEW OAI DAMPER TO BE OPENED TO BRING IN MIN. REQUIRED VENTILATION DURING ALL SEASONS. V.I.F. EXISTING DAMPERS SIZES AND EXACT LOCATION IN THE MIXING PLENUM.
 - CONTROLS SUBCONTRACTOR. UNDER CONTRACT TO MECHANICAL CONTRACTOR.
 - BALANCE NEW AND EXISTING DIFFUSERS FOR ROOMS 310, 306, 304 AND 206 AS INDICATED ON DWG.
 - NC TO REPAIR CEILING GRID AFTER NEW HVAC WORK IS DONE.

PRE-ABATEMENT WORK NOTES:

- THE CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATIONS OF PERSONAL AND WASTE DECONTAMINATION ENCLOSURES, PICK UP AREA FOR REFUSE AND ASBESTOS DEBRIS. THESE LOCATIONS SHALL BE REVIEWED AND PROPERLY APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF WORK. THIS CONTRACTOR SHALL ESTABLISH LABEL AND MAINTAIN PROPER EXITS AND WAYS OF DEPARTURE WITHIN EACH WORK AREA FOR NORMAL AND EMERGENCY USE BY WORKERS DURING ALL ABATEMENT.

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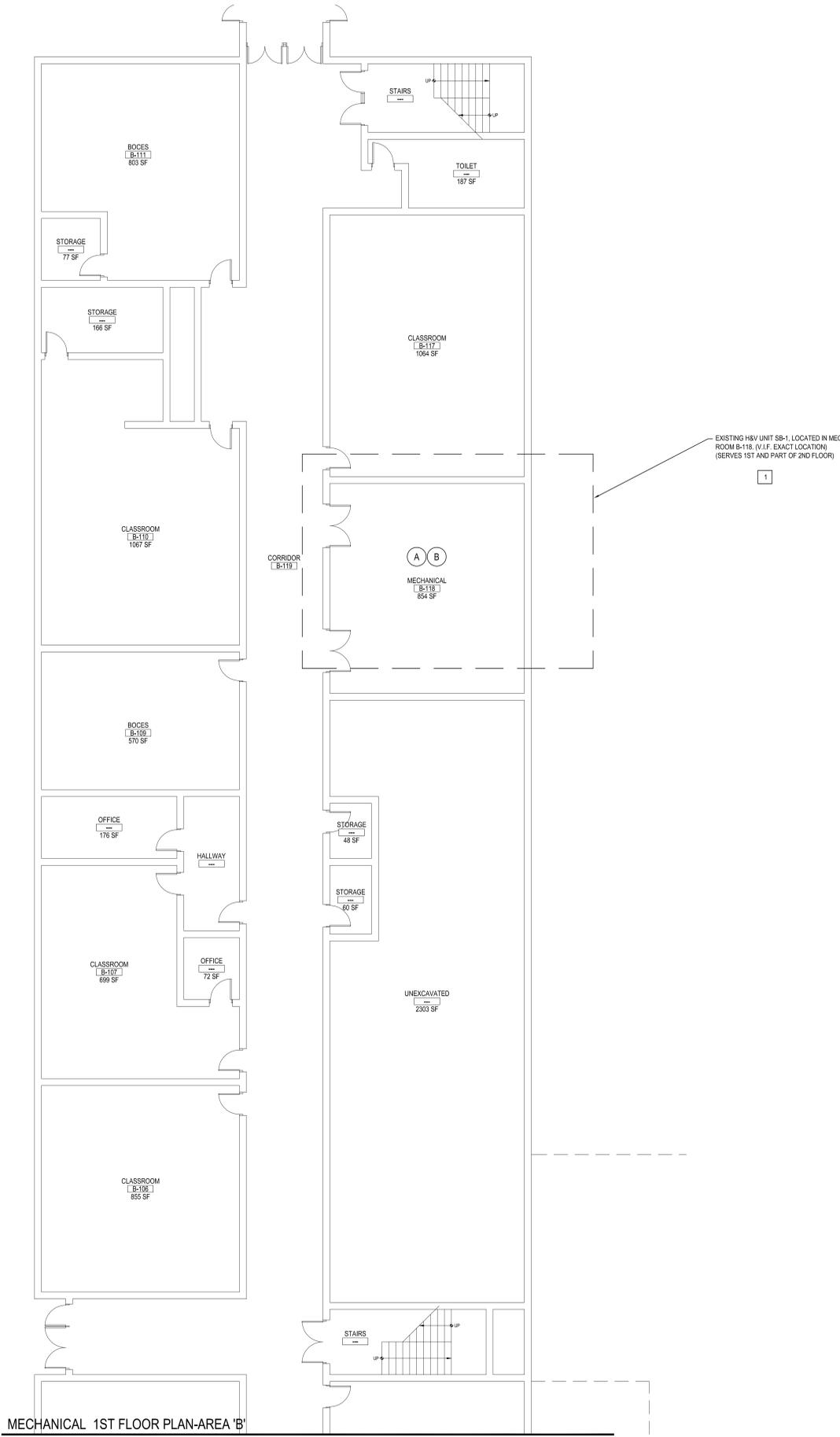
ABATEMENT NOTES

- REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING ELBOWS TO FIBERGLASS PIPE INSULATION WITH CANVAS WRAP. AT ALL LOCATIONS BASED ON THIS PROJECT. LOCATED IN MECHANICAL ROOMS. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 99 AND SPECIFICATIONS.
- REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING ELBOWS TO FIBERGLASS PIPE INSULATION WITH TAR CONTAINING WRAP. AT ALL LOCATIONS BASED ON THIS PROJECT. LOCATED IN MECHANICAL ROOMS. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 99 AND SPECIFICATIONS.
- REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING DUCT INSULATION. AT ALL LOCATIONS BASED ON THIS PROJECT. LOCATED IN CAFETERIA MECHANICAL ROOM #1. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 99 AND SPECIFICATIONS.

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REV.	DATE	ITEM
<p>NOTICE</p> <p>THESE DRAWINGS ARE BASED ON CONSTRUCTION DRAWINGS NOT PREPARED BY BBS ARCHITECTS, LANDSCAPE ARCHITECTS AND ENGINEERS, P.C. AND THEREFORE, MAY NOT REPRESENT THE CONDITIONS AS CONSTRUCTED AT THE TIME. ALL EXISTING CONDITIONS SHOWN ARE REPRESENTED AS SUGGESTED INFORMATION AS THEY HAVE NOT BEEN FIELD AND DETAILLED PER THE ORIGINAL DOCUMENTS OR PER THE OWNER'S INFORMATION.</p>		
<p>KEY PLAN NOT TO SCALE</p>		
<p>PROJECT</p> <p>GREENBURGH CENTRAL SCHOOL DISTRICT PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS WOODLANDS MIDDLE/ HIGH SCHOOL HARTSDALE, NEW YORK - WESTCHESTER COUNTY</p>		
<p>DWG TITLE</p> <p>MECHANICAL 2ND AND 3RD FLOOR PLAN - AREA 'A'</p>		
<p>DRAWING BY: DS CHECK BY: DS</p>		
<p>NOTICE</p> <p>THIS DRAWING PREPARED FOR THE SPECIFIC PROJECT INDICATED IS AN INSTRUMENT OF SERVICE AND THE PROPERTY OF BBS ARCHITECTS, LANDSCAPE ARCHITECTS AND ENGINEERS, P.C. REPRODUCTION OR ANY USE OF THIS DRAWING FOR ANY OTHER PROJECT IS PROHIBITED. ANY ALTERATION OR REPRODUCTION OF THIS DOCUMENT IS ALSO PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR ENGINEER.</p>		
<p>BBS ARCHITECTS LANDSCAPE ARCHITECTS ENGINEERS</p> <p>244 EAST MAIN STREET PATCHOGUE, NEW YORK 11772 T. 631.475.0349 F. 631.475.0361</p> <p>187 WOLF ROAD, STE. 205 ALBANY, NEW YORK 12205 T. 518.621.7650 F. 518.621.7655</p> <p>www.bbsarchitect.com</p>		
<p>SED No: 66-04-07-06-0-007-022 DISTRICT: GREENBURGH CSD PROJECT: PH I - DW CAP IMPROVEMENTS WOODLANDS M.S.H.S. DWG TITLE: MECHANICAL 2ND AND 3RD FL. PLAN - AREA 'A' SCALE: AS NOTED DATE: MAY 2022 BID PICK-UP: MAY 27, 2022 FILE No: 21-291</p>		
<p>M1.01D</p>		



- NOTES:**
- V.I.F. EXISTING OAI DAMPER. EXACT LOCATION IN THE MIXING PLENUM (OUTSIDE WALL).
 - INSPECT OAI DAMPER BLADES FOR FREE, UNHINDERED MOVEMENT. REMOVE RUST FROM DAMPER'S BLADES IF NECESSARY.
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 - CHECK SEALS FOR TIGHT CLOSURE. REPLACE WORN SEALS WITH NEW ONES.
 - REPLACE ANY WORN OR RUSTED BUSHING AND PINS.
 - APPLY APPROVED LUBRICANTS TO ALL METALLIC PARTS.
 - REPLACE IF NECESSARY PNEUMATIC ACTUATOR WITH NEW TO MATCH EXISTING.
 - OAI DAMPER TO BE OPENED TO BRING IN MIN. REQUIRED VENTILATION IN ALL SEASONS.
 - CONTROLS SUBCONTRACTOR. UNDER CONTRACT TO MECHANICAL CONTRACTOR.

EXISTING H&V UNIT SB-1, LOCATED IN MECH ROOM B-118. (V.I.F. EXACT LOCATION) (SERVES 1ST AND PART OF 2ND FLOOR)

PRE-ABATEMENT WORK NOTES:

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ABATEMENT NOTES

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B REMOVE FROM THE AREAS INDICATED ALL ASBESTOS CONTAINING ELBOWS TO FIBERGLASS PIPE INSULATION WITH TAR CONTAINING WRAP. AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN MECHANICAL ROOMS. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.

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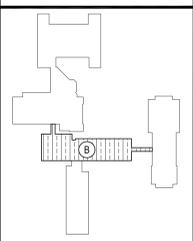
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REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT

GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 WOODLANDS MIDDLE/HIGH SCHOOL
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE

MECHANICAL 1ST FLOOR PLAN - AREA 'B'

DRAWING BY: DS
 CHECK BY: DS

NOTICE

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SED No: 66-04-07-06-0-007-022

DISTRICT: GREENBURGH CSD

PROJECT: PH I - DW CAP IMPROVEMENTS WOODLANDS M.S.H.S.

DWG TITLE: MECHANICAL 1ST FL. PLAN - AREA 'B'

SCALE: AS NOTED

DATE: MAY 2022

BID PICK-UP: MAY 27, 2022

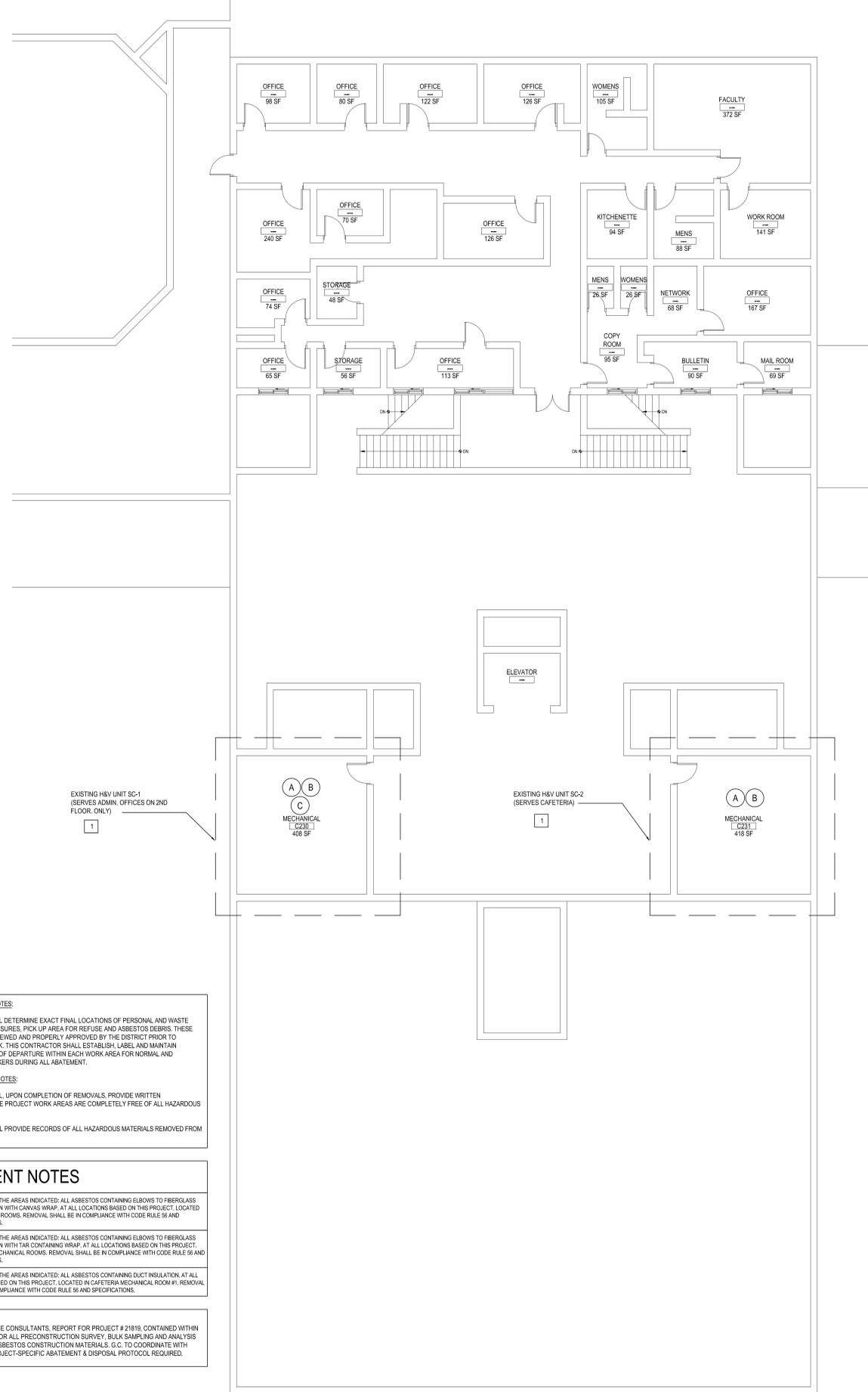
FILE No: 21-291

M1.02D



MECHANICAL GROUND FL.PLAN-AREA 'C'

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

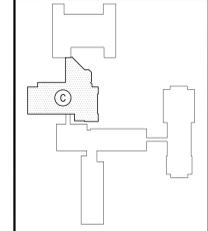


MECHANICAL 2ND FL.PLAN-AREA 'C'

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

REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 WOODLANDS MIDDLE/ HIGH SCHOOL
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 MECHANICAL GROUND AND 2ND FL. PLAN - AREA 'C'

DRAWING BY: DS
 CHECK BY: DS

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SED No: 66-04-07-06-0-007-022
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS WOODLANDS M.S./H.S.
 DWG TITLE: MECHANICAL GROUND AND 2ND FL. PLAN AREA 'C'
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-291

M1.03D

PRE-ABATEMENT WORK NOTES:

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ABATEMENT NOTES

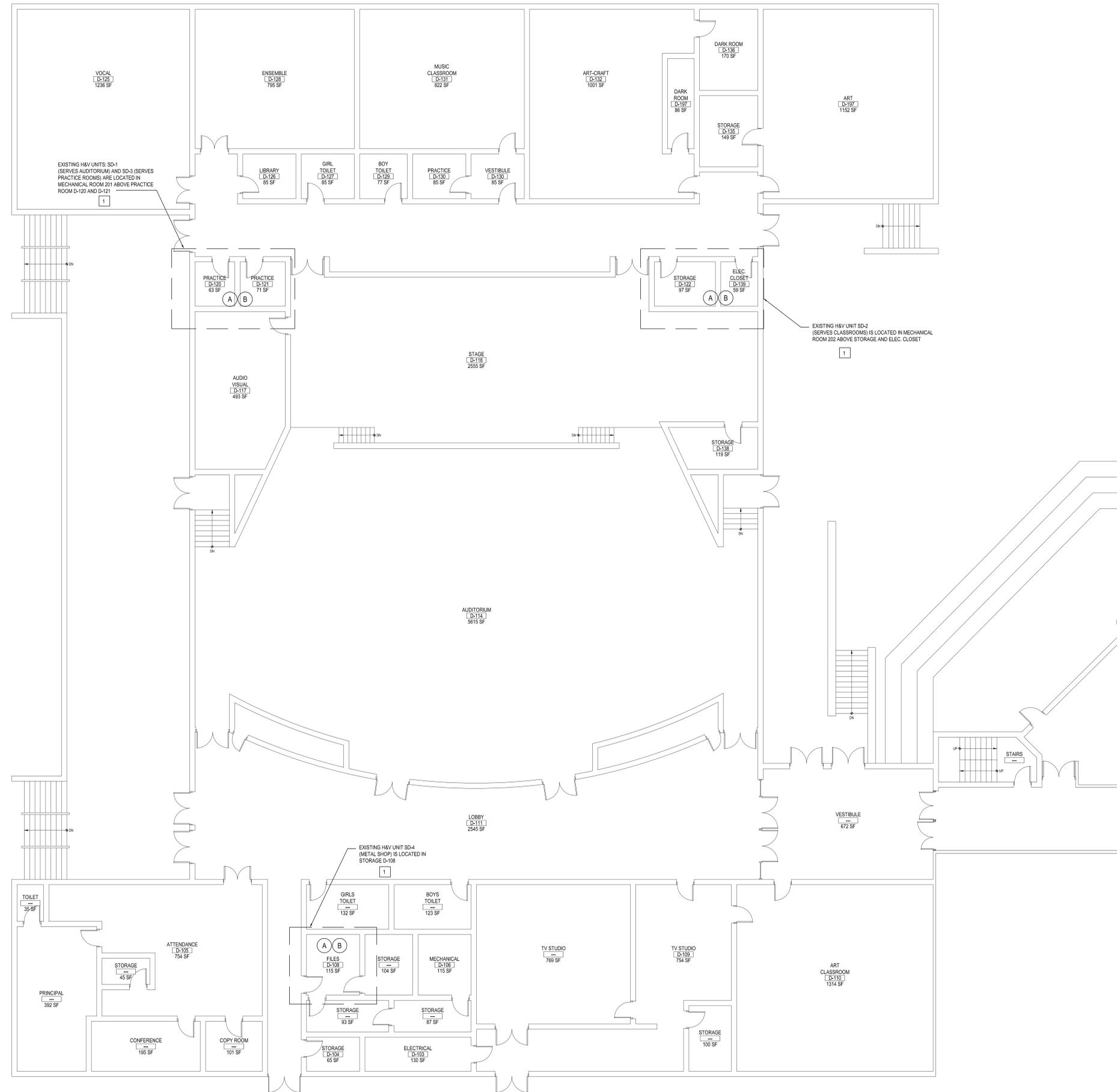
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(B) REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING ELBOWS TO FIBERGLASS PIPE INSULATION WITH THE CONTAINING WRAP. AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN MECHANICAL ROOMS. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.

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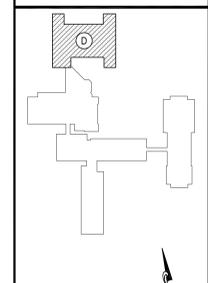
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 2. CONTROLS SUBCONTRACTOR, UNDER CONTRACT TO MECHANICAL CONTRACTOR



- NOTES:**
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KEY PLAN
 NOT TO SCALE

PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 WOODLANDS MIDDLE/ HIGH SCHOOL
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 MECHANICAL 1ST FLOOR PLAN - AREA 'D'

DRAWING BY: DS
 CHECK BY: DS

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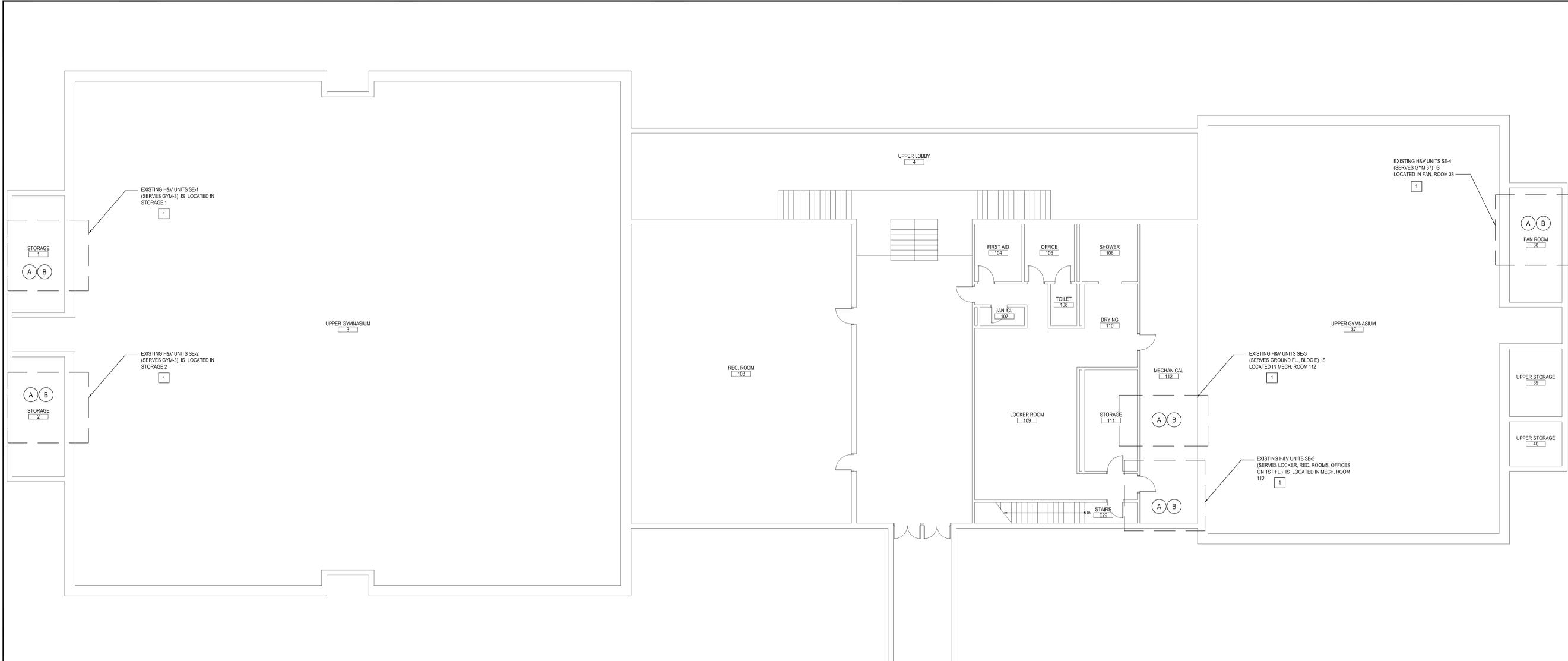
www.bbsarchitecture.com

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MECHANICAL 1ST FLOOR PLAN-AREA 'D'
 SCALE: 1/8" = 1'-0"



MECHANICAL 1ST FLOOR PLAN- AREA 'E'

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

- NOTES:**
- 1 - V.I.F. EXISTING OAI DAMPER EXACT LOCATION IN THE MIXING PLENUM OUTSIDE WALL.
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 - B - REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING ELBOWS TO FIBERGLASS PIPE INSULATION WITH TAR CONTAINING WRAP. AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN MECHANICAL ROOMS. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.
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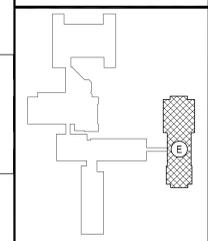
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REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

PROJECT

GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
WOODLANDS MIDDLE/ HIGH SCHOOL
HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE

MECHANICAL 1ST FLOOR PLAN - AREA 'E'

DRAWING BY: DS
CHECK BY: DS

NOTICE

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SED No: 66-04-07-06-0-007-022

DISTRICT: GREENBURGH CSD

PROJECT: PH I - DW CAP IMPROVEMENTS WOODLANDS M.S.H.S.

DWG TITLE: MECHANICAL 1ST FLOOR PLAN - AREA 'E'

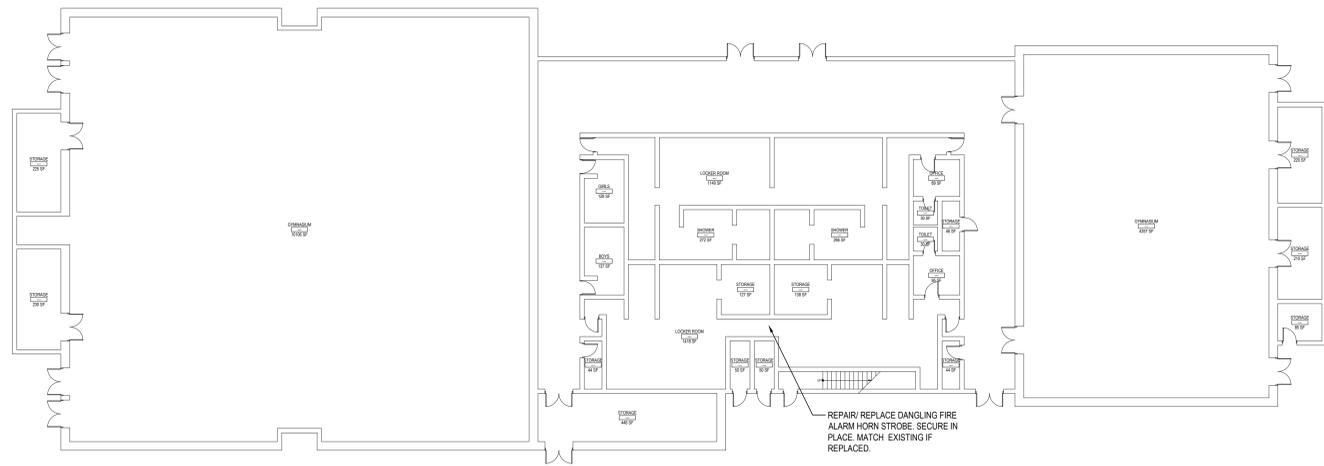
SCALE: AS NOTED

DATE: MAY 2022

BID PICK-UP: MAY 27, 2022

FILE No: 21-291

M1.05D



PART GROUND FLOOR KEY PLAN

SEE E1.02D FOR DRAWING NOTES.

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

GENERAL CONSTRUCTION NOTES

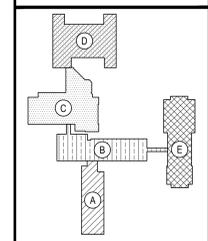
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2017 EDITION OF THE NEC, APPLICABLE LOCAL CODES, STATE CODES, SCHOOL WORKING RULES AND SCHEDULE DIRECTIVES, AND THE ENGINEER'S SPECIFICATIONS.
2. THE VOLTAGE CHARACTERISTIC OF THIS SCHOOL IS 120/208VAC, 4 WIRE, 3PH, GROUNDING NEUTRAL WYE. ALL EQUIPMENT SHALL BE COMPATIBLE WITH THESE CHARACTERISTICS.
3. THE DRAWINGS SHOW SCHEMATICALLY THE APPROXIMATE LOCATION OF ALL EQUIPMENT, CONDUITS, DEVICES, ETC. THE EXACT LOCATION OF WHICH SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/OWNER WHO RESERVES THE RIGHT TO MAKE PRIOR TO INSTALLATION, ANY REASONABLE CHANGES IN LOCATION INDICATED WITHOUT EXTRA COST TO THE OWNER. CONTRACTOR SHALL VERIFY ALL INDICATED OR APPROXIMATED DIMENSIONS DRAWN OR DENOTED.
4. DIVISION 16 CONTRACTOR SHALL EXAMINE THE SITE TO VERIFY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING HIS BID. ANY DISCREPANCY BETWEEN DRAWINGS/SPECIFICATIONS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO ARCHITECT/ENGINEERS ATTENTION BEFORE BID SUBMITTAL. ANY FIELD CONDITION FOUND AFTER BID APPROVAL, WHICH HAMPERS AND/OR PREVENTS ANY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE DIVISION 16 CONTRACTOR. THE DIVISION 16 CONTRACTOR SHALL BID THE HIGHER SPECIFICATION FOR ANY DISCREPANCY BETWEEN DRAWINGS AND SPECIFICATIONS.
5. DIVISION 16 CONTRACTOR SHALL PROVIDE ALL LABOR SERVICE MATERIALS, EQUIPMENT, AND RELATED ITEMS TO COMPLETE THE WORK OF THIS DIVISION, AS REQUIRED BY THE NATIONAL ELECTRIC CODE, AND ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
6. DIVISION 16 CONTRACTOR SHALL PROVIDE ALL ELECTRICAL HARDWARE SHOWN ON THESE DRAWINGS AND RELATED DETAIL MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED. ALL NEW ELECTRICAL MATERIAL AND EQUIPMENT SHALL CONFORM TO THE STANDARDS AND BEAR THE INSPECTION LABEL OF THE UNDERWRITERS LABORATORIES AND SHALL BE APPROVED FOR USE BY ALL LOCAL AUTHORITIES HAVING JURISDICTION.
7. THE DIVISION 16 CONTRACTOR SHALL REFER TO ALL OTHER DRAWINGS IN BID PACKAGE AND PERFORM THE WORK (INCLUDE IN HIS BID) INDICATED AS ELECTRICAL CONTRACTOR (E.C.) WORK. CONTRACTOR TO COORDINATE ALL LOCATIONS WITH GENERAL CONTRACTOR AND OTHER TRADES.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER. THE EC IS RESPONSIBLE TO INSTALL ALL MOTOR STARTERS AND ASSOCIATED POWER WIRING. THE LOCATIONS OF MOTOR STARTERS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD AND SUBMITTED TO THE ENGINEER FOR APPROVAL UNLESS IT IS SPECIFIED ON THE DRAWINGS. THE EC SHALL REFER TO THE MECHANICAL EQUIPMENT SCHEDULES & NOTES AND INCLUDE IN HIS BID PRICE ALL ELECTRICAL WORK ASSOCIATED WITH THEIR INSTALLATION, AND THE REMOVAL OF ANY STARTERS/DISCONNECTS NO LONGER REQUIRED.
9. ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIVES OF THE OWNER.
10. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL OBTAIN AN APPROVED ELECTRICAL INSPECTION CERTIFICATE FROM THE LOCAL AHI AND PAY ASSOCIATED FEE. SUBMIT A PHOTOCOPY OF THIS CERTIFICATE TO THE ENGINEER WITH FINAL PAYMENT APPLICATION. SUBMIT A COPY OF THIS CERTIFICATE TO THE OWNER.
11. DIVISION 16 CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND THEIR INSTALLATION TO BE FREE OF DEFECTS FOR A PERIOD AS DEFINED IN THE PROJECT MANUAL.
12. IF ADDITIONAL POLE POSITIONS ARE REQUIRED FOR NEW CIRCUITS IN EXISTING PANELS SERVICING RENOVATED AREAS, REMOVE (3) ADJACENT 1 POLE BREAKERS PROVIDE AND INSTALL 3P, 60A BREAKER FOR SUB FEED TO A SURFACE MOUNTED 100A, 3PH, 18 POLE SUB PANEL AND ESTABLISH OVERFLOW CIRCUITS IN NEW SUB PANEL EACH WITH A 1P, 20A BREAKER. PROVIDE (3) 1P, 20A BREAKERS FOR DISCONNECTED CIRCUITS IN MAIN PANEL AND RECONNECT THEM IN SUB PANEL. SUB PANEL FEED TO BE 3P + 1P(N) + 1P(1G) IN 1".
13. IT IS EXPECTED THAT STRUCTURAL DEMOLITION BY THE GENERAL CONTRACTOR WILL CAUSE VARIOUS ELECTRIC SUPPLIES, OF VARIOUS VOLTAGES AND PURPOSES, TO BE CUT AND RENDER SOME DEVICES TEMPORARILY INACTIVE. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO RECONNECT AND RECONNECT SUCH ELECTRIC SOURCES UPON COMPLETION. NOTE THAT MOST REINSTALLED ITEMS WILL BE IN DIFFERENT LOCATIONS FROM THE REMOVAL LOCATION. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL REQUIRED CIRCUIT EXTENSIONS OR MODIFICATIONS TO PROVIDE SERVICE TO A REINSTALLED ITEM AS RELOCATED. NOTE THAT THIS REQUIREMENT ALSO APPLIES TO THE ROOMS AND ELECTRICAL ITEMS WITHIN THAT ARE NOMINALLY NOT IN CONTRACT. SUCH RESTORATION OF SERVICE, IF NEEDED, IS SPECIFICALLY IN THE ELECTRICAL CONTRACTOR'S CONTRACT.
14. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND POWER TO ALL TRADES FOR THE DURATION OF THE PROJECT. SERVICE SHALL BE SUPPLIED TO CONTRACTORS CONSTRUCTION TRAILERS WHERE SUCH IS REQUESTED. USE THE EXISTING POWER PANELS FOR SUCH SUPPLY. POWER COSTS WILL BE PAID BY THE OWNER. ALL CONSTRUCTION POWER RECEPTACLES SHALL BE GFI PROTECTED.
15. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL ELECTRICAL DEVICES FROM DAMAGES DURING CONSTRUCTION. THIS INCLUDES DEVICES WHICH ARE EITHER INDICATED TO REMAIN, AND/OR TO BE REMOVED AND REINSTALLED THROUGHOUT ALL CONSTRUCTION AREAS. DEVICES SHALL INCLUDE BUT WILL NOT BE LIMITED TO: SMOKE DETECTORS, EMERGENCY LIGHTS, EXIT SIGNS, OCCUPANCY SENSORS, SPEAKERS, LIGHT FIXTURES, SWITCHES, RECEPTACLES, ETC. IN THE EVENT OF DAMAGES INCURRED DUE TO CONSTRUCTION ACTIVITIES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY DAMAGED DEVICES AT NO ADDITIONAL COST TO OWNER.
16. THE INDICATED SOURCE OF EXISTING CIRCUITS MAY NOT BE KNOWN OR HAS NOT BEEN VERIFIED. IT IS THE DIVISION 16 CONTRACTOR'S RESPONSIBILITY TO TRACE OUT, LOCATE AND VERIFY THE DISCONNECTING MEANS OF EXISTING CIRCUITS) TO BE IMPACTED BY THE WORK. SAFE OFF THE CIRCUITS) AS REQUIRED TO SAFELY PERFORM THE WORK, AND RE-ENERGIZE UPON COMPLETION. UPDATE PANEL DIRECTORIES UPON COMPLETION.
17. WHERE EXISTING FIRE ALARM SYSTEMS ARE MODIFIED DURING THE COURSE OF THE PROJECT, PROVIDE OWNER WITH UPDATED COMPLETION RECORD DOCUMENTATION PER NFPA 72, ARTICLE 10.18. INCLUDE COPY OF UPDATED SITE SPECIFIC SOFTWARE. ANY ADDITIONAL DEVICES SHALL BE MAPPED INTO THE SYSTEM WITH THE APPROPRIATE ADDRESS LABELS.
18. FURNISH AND INSTALL ALL INDICATED LIGHTING FIXTURES AND MOUNTING HARDWARE AS REQUIRED FOR A COMPLETE INSTALLATION. NOTE ALL LIGHT FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE UTILIZING CEILING FRAMING ALONE IS NOT ACCEPTABLE. NEW LIGHTING FIXTURES (OTHER THAN THEATRICAL EQUIPMENT) SHALL NOT BE DAISY CHAINED. RE-USE OF AN EXISTING LIGHTING FIXTURE INCLUDES HOME RUN WIRING OR WIRING UP TO THE SWITCH. ANY WIRING DOWNSTREAM OF THE SWITCH IS SUBJECT TO REPLACEMENT/REARRANGEMENT. EC SHALL ALLOW FOR THIS IN THE BID PRICE.
19. UNLESS OTHERWISE NOTED ON THE PLANS BRANCH CIRCUIT HOMERUNS OF 100 FT OR LESS SHALL BE 2#12, 1#12G, 3#4 OR EQUIVALENT. HOMERUNS LONGER THAN 100 FT SHALL BE 2#10, 1#10G, 3#4 OR EQUIVALENT.
20. ALL BRANCH CIRCUIT WIRING TO BE 1#12-1#12(N)-1#12(G), 3#4 EMT, OR STEEL JACKETED MC CABLE (WHERE CODE PERMITTED), UNLESS OTHERWISE SPECIFIED ON DRAWINGS. ALUMINUM JACKETED MC CABLE IS NOT ACCEPTABLE.
21. RUN BRANCH CIRCUITS IN DROPPED CEILINGS, VOIDS, & CHASES. ALL DEVICES & CONDUITS ON NEW CONSTRUCTION MUST BE RECESSED. FOR EXISTING SURFACES, MECHANICAL WORK SPACES-CONDUITS MAY BE SURFACE MOUNTED. EXISTING PUBLISHED AREAS- CONDUITS SHALL BE CONCEALED WHEREVER POSSIBLE (IN HUNG CEILINGS, VOIDS/CHASES, FLOOR BELOW OR BEHIND WALLS) ALL WIRING THAT CANNOT BE CONCEALED IN MUST BE RUN IN FINISHED SURFACE RACEWAY SUCH AS WIREMOLD. COLOR PER ARCHITECT. USE OF ADHESIVE IS PROHIBITED. SURFACE RACEWAY MUST BE SECURED USING MECHANICALLY FASTENED CLIPS.
22. ANY LIGHT FIXTURES INSTALLED IN GYMNASIUMS OR OTHER AREAS SUBJECT TO IMPACT OR PHYSICAL DAMAGE SHALL BE MOUNTED WITH SAFETY CHAINS AND SECURED TO STRUCTURE.
23. EMERGENCY AND EXIT LIGHTING FIXTURES SHALL BE WIRED TO THE LOCAL AREA WIRING CIRCUIT AHEAD OF ANY SWITCHING.
24. NEW CIRCUIT BREAKERS INSTALLED IN EXISTING PANELS SHALL BE LISTED FOR USE IN THE INTENDED PANEL AND SHALL MEET OR EXCEED THE AIC RATING OF THE PANEL.
25. SEE SPEC. SECTION 16100 BASIC MATERIALS AND METHODS FOR COMPLETE NOTES ON INSTALLATION, MISCELLANEOUS MATERIALS AND ELECTRICAL DEVICES.

ABBREVIATIONS

A	AMPERAGE OR AMPS
AC	ALTERNATING CURRENT
ACT	ABOVE COUNTER TOP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BC	BELOW CEILING
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CEILING MOUNTED
DC	DIRECT CURRENT
DH	DOOR HOLDER
DISC	DISCONNECT
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ETR	EXISTING TO REMAIN
EX	EXISTING
FA	FIRE ALARM
FMC	FLEXIBLE METAL CONDUIT
FT	FEET
GC	GENERAL CONTRACTOR
GFCI, GFI	GROUND FAULT CIRCUIT INTERRUPTER
G, GND	GROUND
GRS	GALVANIZED RIGID STEEL
HD	HAND DRYER
IG	ISOLATED GROUND
IN	INCHES
KW	KILOWATTS
LFM	LIQUID TIGHT FLEXIBLE METAL CONDUIT
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION PANEL
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUG ONLY
MTD	MOUNTED
MTH	MOUNTING HEIGHT
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
PA	PUBLIC ADDRESS
PC	PLUMBING CONTRACTOR
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
REC	RECEPTACLE
REQD	REQUIRED
RL	RELOCATED
SCH	SCHEDULE
SM	SURFACE MOUNTED
SPO	SURGE PROTECTIVE DEVICE
SO	SQUARE
SWBD	SWITCHBOARD
SWG	STEEL WIRE GUARD
TSP	TWISTED SHIELDED PAIR
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDER GROUND
UTP	UNSHIELDED TWISTED PAIR
LWS	UNTWISTED
V	VOLTAGE OR VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTAGE OR WATTS
WG	WIRE GUARD
WM	WALL MOUNTED
WP	WEATHER PROOF
XFRM	TRANSFORMER

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

**GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
WOODLANDS MIDDLE/ HIGH SCHOOL
HARTSDALE, NEW YORK - WESTCHESTER COUNTY**

PROJECT
DRAWING BY: DG
CHECK BY:

DWG TITLE
ELECTRICAL
NOTES & PLANS

NOTICE
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BBS
ARCHITECTS
LANDSCAPE ARCHITECTS
ENGINEERS

244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
PATCHOGUE, ALBANY
NEW YORK 11772 | NEW YORK 12205
T. 631.475.0349 | T. 518.621.7650
F. 631.475.0561 | F. 518.621.7655

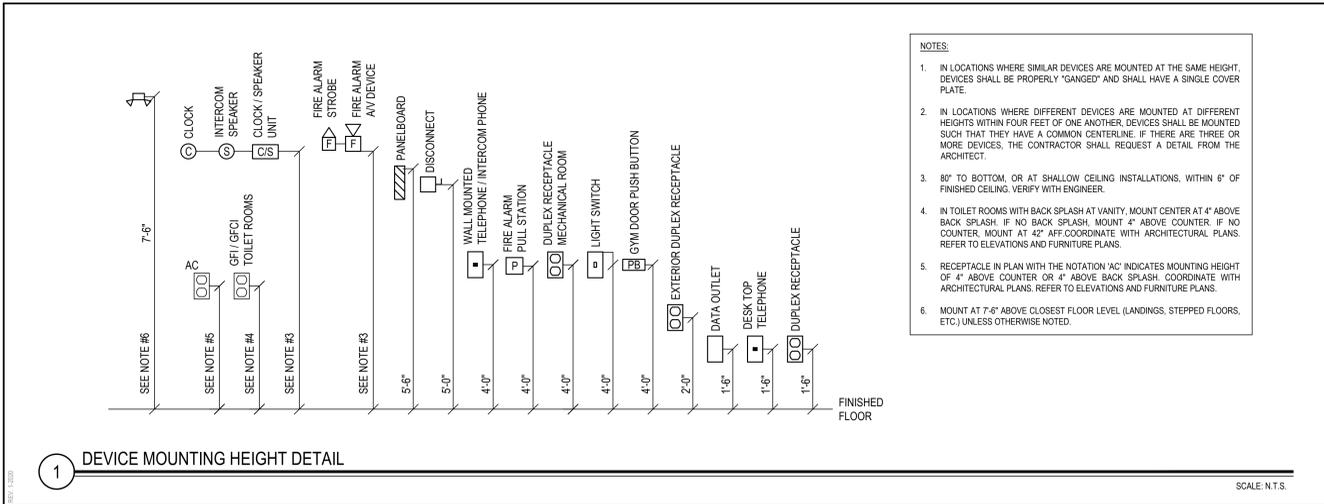
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EXISTING FIRE ALARM SYSTEM NOTES

1. DIVISION 16 CONTRACTOR SHALL EXTEND THE EXISTING FIRE ALARM SYSTEM TO PROVIDE COVERAGE FOR THE NEW AREAS AND/OR DEVICES AND INTEGRATE THEM INTO THE SYSTEM. NEW DEVICES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM PANEL WHICH IS TO REMAIN. ALL NEW DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS AND FULLY INTEGRATED INTO THE SYSTEM. THE CONTRACTOR SHALL PROVIDE THE ITEMS ON THE DRAWING AND ALL RELATED EXPANSION, ADAPTIVE, AND CONNECTING WIRING, REPROGRAMMING AND DEVICES FOR A FULLY FUNCTIONING SYSTEM.
2. ALL FIRE ALARM WORK SHALL BE PERFORMED BY MANUFACTURER CERTIFIED TECHNICIANS.
3. DIVISION 16 CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS FOR THIS PROJECT AND PAY RELATED FEES. HE SHALL SUBMIT SHOP DRAWINGS ON ALL HARDWARE. THE SHOP DRAWINGS SHALL CONTAIN A SYSTEM RISER DIAGRAM.
4. DIVISION 16 CONTRACTOR TO PROTECT OR TEMPORARILY DISCONNECT / RECONNECT EXISTING FIRE ALARM DEVICES TO ACCOMMODATE NEW CONSTRUCTION AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR. WHERE PLANS CALL FOR EXISTING DEVICES TO BE RELOCATED, EXTEND WIRING AS REQUIRED.
5. ALL NEW FIRE ALARM DEVICES SHALL BE OF THE SAME MANUFACTURER AND COMPATIBLE WITH THE FIRE ALARM PANEL.
6. PROVIDE ADAPTIVE HARDWARE TO POWER THE HORN STROBES, STROBES AND MAGNETIC DOOR HOLDERS.
7. ALL WORK SHALL BE IN ACCORDANCE WITH SYSTEM MANUFACTURER SPECIFICATIONS, LATEST EDITION OF NEC, ANY LOCAL, STATE CODES, AND ENGINEERING SPECIFICATIONS.
8. ALL WIRING SHALL BE AS SPECIFIED BY SYSTEM MANUFACTURER AND PLENUM RATED.
9. DIVISION 16 CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EQUIPMENT, SYSTEM MODULES, POWER SUPPLIES, ETC. NEEDED TO HAVE A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE NEW REMOTE ANNUNCIATOR PANEL(S) WHERE INDICATED INCLUDING UPDATED GRAPHIC MAPS. UPDATED MAPS SHALL ALSO INDICATE THE LOCATIONS OF ALL AREA OF RESCUE ASSISTANCE (REFUGE) CALL STATIONS. SUBMIT PROPOSED MAPS FOR APPROVAL.
10. THE DIVISION 16 CONTRACTOR SHALL FIELD SELECT THE PROPER OUTPUT SETTINGS OF FIRE ALARM HORNS AND STROBES TO MEET THE MINIMUM CODE PERFORMANCE REQUIREMENTS TO SUIT THE AREAS BEING SERVED.
11. PROVIDE AS-BUILT DRAWINGS AND COPY OF UPDATED, SITE SPECIFIC, SYSTEM SOFTWARE, INCLUDING PASSWORDS TO THE DISTRICT AT NO ADDITIONAL CHARGE.

FIRE STOP NOTES

1. ALL CONDUIT AND CABLE PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS OR OTHER STRUCTURES SHALL BE FIRE STOPPED.
2. THE FIRE STOP MATERIALS SHALL BE HILTI TYPE FS-657 FIRE BLOCK, FS-ONE SEALANT, CP-672 JOINT SPRAY, CP-615 ELASTOMERIC SEALANT, RP-608 FLEXIBLE SEALANT, CP-443 OR CP-462 COLLAR, CP-818 PUTTY STICK, OR FS-635 TROWEL APPLIED COMPOUND, AS SUITABLE.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PRODUCTS SPECIFIED OR EQUAL.
4. FIRE STOP MATERIALS OTHER THAN HILT SHALL INCLUDE FULL TECHNICAL DATA WITH SHOP DRAWINGS TO DEMONSTRATE EQUALITY WITH THE SPECIFIED FIRE STOP PRODUCTS AND STATEMENT FROM MANUFACTURER THAT THEY MEET OR EXCEED THE PRODUCTS SPECIFIED HERE.
5. ALL SYSTEMS SHALL HAVE THEIR OWN SLEEVE THROUGH FIRE RATED WALLS. IE FIRE ALARM, PUBLIC ADDRESS, TELEPHONE, DATA, POWER AND LIGHTING.



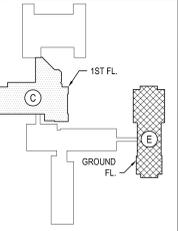
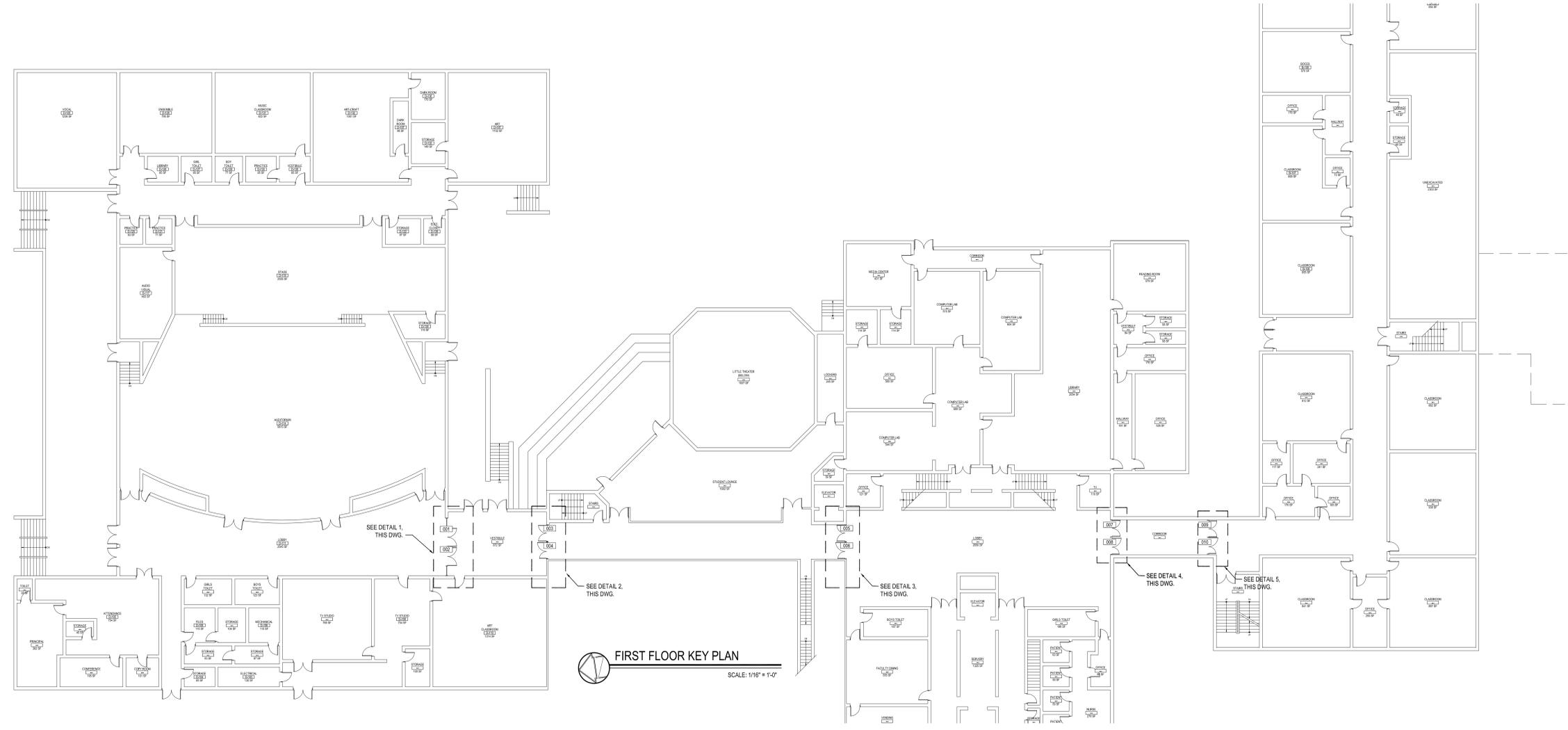
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SCALE: AS NOTED
DATE: MAY 2022
BID PICK UP: MAY 27, 2022
FILE NO: 21-291

NOTES:
 1. THE EXISTING BUILDING FIRE ALARM SYSTEM IS A GANWELL ES SERIES SYSTEM BY HONEYWELL, MAINTAINED BY ALARM SPECIALISTS, INC. (914)945-1998. EC TO COORDINATE WITH DISTRICT TO LOCATE FACP AND LOCAL POWER SUPPLIES AS REQUIRED TO WIRE NEW DEVICES.
 2. ALL MAGNETIC DOOR HOLDERS SHALL BE WIRED TO THE BUILDING FIRE ALARM SYSTEM TO RELEASE UPON ALARM.
 3. PROVIDE ANY REQUIRED INTERFACES, POWER SUPPLIES, ETC FOR COMPLETE AND OPERATIONAL INSTALLATION.

REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

PROJECT
GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE 1 - DISTRICT WIDE CAPITAL IMPROVEMENTS
WOODLANDS MIDDLE/ HIGH SCHOOL
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
ELECTRICAL
1ST FLOOR PLAN

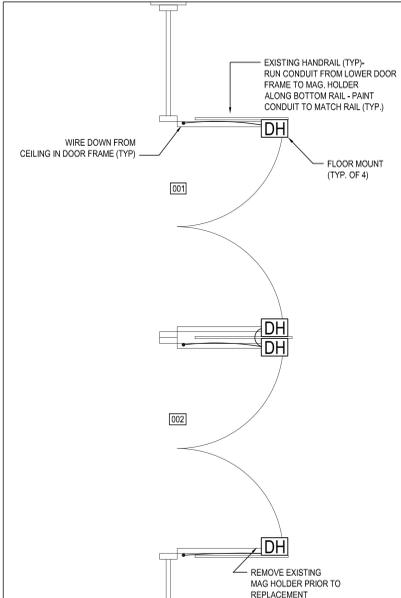
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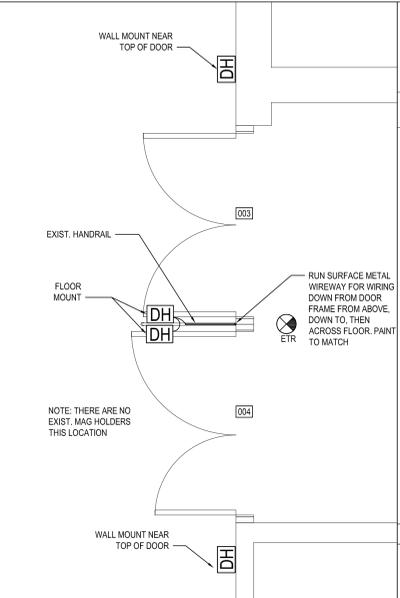
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 244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
 PATCHOGUE | ALBANY
 NEW YORK 11772 | NEW YORK 12205
 T. 631.475.0349 | T. 518.621.7650
 F. 631.475.0361 | F. 518.621.7655
 www.bbsarchitecture.com

SED No: 66-04-07-06-0-007-022
 DISTRICT: GREENBURGH CSD
 PROJECT: PH 1 - DW CAP IMPROVEMENTS WOODLANDS M.S.H.S.
 DWG TITLE: ELECTRICAL 1ST FLOOR PLAN
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-291

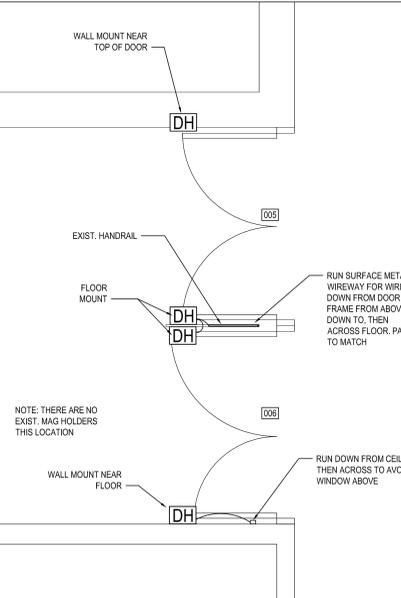
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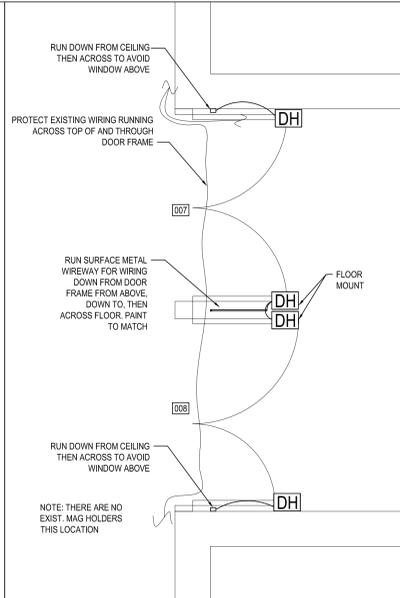
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MAG. HOLDER REPLACEMENT
@ DOORS #001 & 002
 SCALE: 1/2" = 1'-0"



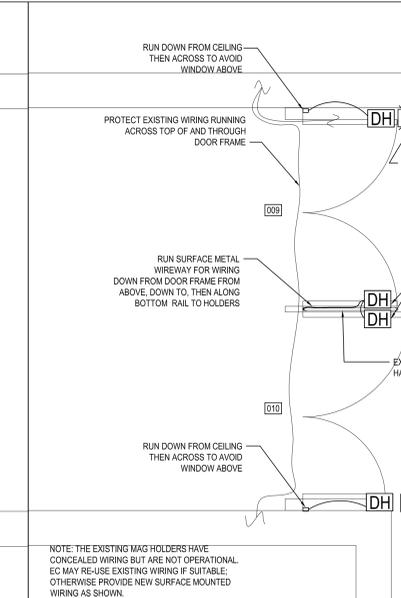
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MAG. HOLDER INSTALLATION
@ DOORS #003 & 004
 SCALE: 1/2" = 1'-0"



3
MAG. HOLDER INSTALLATION
@ DOORS #005 & 006
 SCALE: 1/2" = 1'-0"



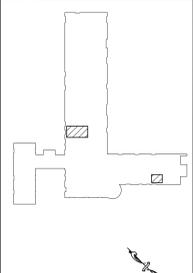
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MAG. HOLDER INSTALLATION
@ DOORS #007 & 008
 SCALE: 1/2" = 1'-0"



5
MAG. HOLDER REPLACEMENT
@ DOORS #009 & 010
 SCALE: 1/2" = 1'-0"

REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

**GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 EARLY CHILDHOOD PROGRAM**
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

**OVERALL FIRST FLOOR
 DEMOLITION and PROPOSED PLANS**

PROJECT
 DRAWING BY: S.E.S.
 CHECK BY: J.W.W.

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 ENGINEERS

244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
 PATCHOGUE, ALBANY
 NEW YORK 11722 NEW YORK 12205
 T. 631.475.0349 T. 518.621.7650
 F. 631.475.0361 F. 518.621.7655

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SED No: 66-04-07-06-0-011-008
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS EARLY CHILDHOOD PROGRAM
 DWG TITLE: OVERALL FIRST FLOOR DEMO & PROPOSED PLANS
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-292

A1.01E

DEMOLITION and REMOVAL NOTES

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

PRE-ABATEMENT WORK NOTES:

1. THE CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATIONS OF PERSONAL AND WASTE DECONTAMINATION ENCLOSURES, PICK UP AREA FOR REFUSE AND ASBESTOS DEBRIS. THESE LOCATIONS SHALL BE REVIEWED AND PROPERLY APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF WORK. THIS CONTRACTOR SHALL ESTABLISH LABEL AND MAINTAIN PROPER EXITS AND WAYS OF DEPARTURE WITHIN EACH WORK AREA FOR NORMAL AND EMERGENCY USE BY WORKERS DURING ALL ABATEMENT.

POST-ABATEMENT WORK NOTES:

1. THE CONTRACTOR SHALL, UPON COMPLETION OF REMOVALS, PROVIDE WRITTEN DOCUMENTATION THAT THE PROJECT WORK AREAS ARE COMPLETELY FREE OF ALL HAZARDOUS MATERIALS.
2. THE CONTRACTOR SHALL PROVIDE RECORDS OF ALL HAZARDOUS MATERIALS REMOVED FROM THE SITE.

LEAD CONTAINING NOTES

CONTRACTOR SHALL NOTE THAT LEAD PAINT EXISTS ON EXISTING WOOD WINDOW FRAMES, PLASTER WALLS, WOOD WINDOW STOOLS, WOOD PANEL TO FIRE ALARM WOOD WALLS, WOOD DOOR FRAMES, METAL WINDOW SASH, METAL WINDOW FRAMES, AND PLASTER CEILING. LOCATIONS FOR LEAD CONTAINING MATERIALS CAN BE FOUND THROUGHOUT BUILDING BUT NOT LIMITED TO CLASSROOMS #01, #02, #02A, #02B, #003, #004, TOILET B. & TOILET D. REFER TO SPECIFICATIONS FOR PROTOCOL ON REMOVALS AND IMPACT ON NEW WORK SCOPE.

NOTES:
 MATERIALS IDENTIFIED ABOVE SHOULD BE CONSIDERED LEAD CONTAINING IN THE AREAS INDICATED AS WELL AS WHERE EVER THEY EXIST THROUGHOUT THE STRUCTURE.

DESIGNATED KEYNOTES INDICATE MATERIALS TO BE REMOVED AND PROPERLY DISPOSED OF UNDER THIS PROJECT. REFER TO PRE CONSTRUCTION LEAD MATERIALS INSPECTION, SAMPLING REPORT, AND LEAD WORK SAFE PLAN SPECIFICATION 02090 FOR ABATEMENT PROCEDURES AND LEGAL REMOVAL AND DISPOSAL REQUIREMENTS. REFER TO ENVIRONMENTAL CONSULTANTS' REPORT FOR PROJECT # 21819, CONTAINED WITHIN THE PROJECT MANUAL FOR LEAD-BASED PAINT INSPECTION DATA & APPENDIX C FOR LEAD XRF TEST RESULTS FOR PROJECT-SPECIFIC DATA.

ABATEMENT NOTES

(A)	REMOVE FROM THE AREAS INDICATED: ALL ASBESTOS CONTAINING 9"X9" FLOOR TILE, RED, AND MASTIC, AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN CLASSROOM #002B. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.
(B)	REMOVE FROM THE AREAS INDICATED: ALL PRESUMED ASBESTOS CONTAINING 9"X9" FLOOR TILE, BLUE, AND MASTIC, AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN CLASSROOMS #002 & #002A. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.
(C)	REMOVE FROM THE AREAS INDICATED: ALL PRESUMED ASBESTOS CONTAINING 9"X9" FLOOR TILE, WHITE, AND MASTIC, AT ALL LOCATIONS BASED ON THIS PROJECT, LOCATED IN CLASSROOMS #002 & #002A. REMOVAL SHALL BE IN COMPLIANCE WITH CODE RULE 56 AND SPECIFICATIONS.

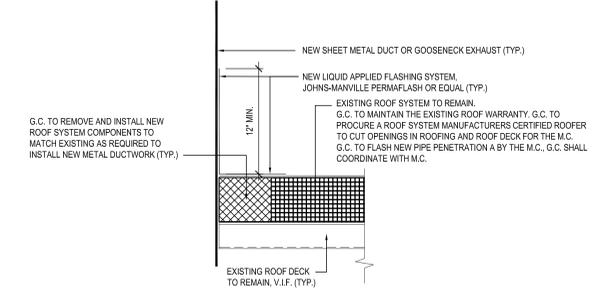
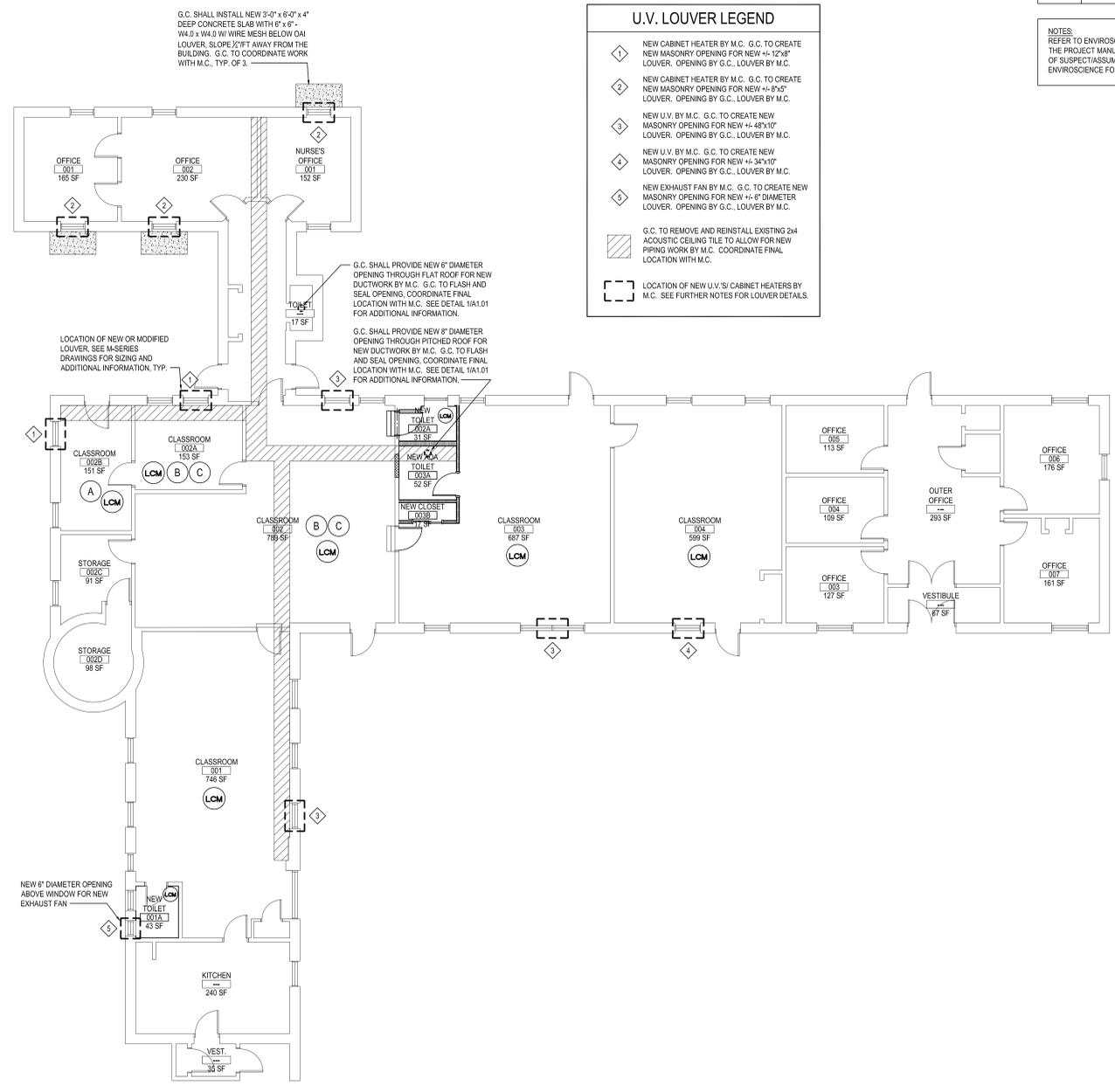
NOTES:
 REFER TO ENVIRONMENTAL CONSULTANTS' REPORT FOR PROJECT # 21819, CONTAINED WITHIN THE PROJECT MANUAL, FOR ALL PRECONSTRUCTION SURVEY, BULK SAMPLING AND ANALYSIS OF SUSPECT/ASSUMED ASBESTOS CONSTRUCTION MATERIALS. G.C. TO COORDINATE WITH ENVIRONMENTAL CONSULTANTS FOR PROJECT-SPECIFIC ABATEMENT & DISPOSAL PROTOCOL REQUIRED.

U.V. LOUVER LEGEND

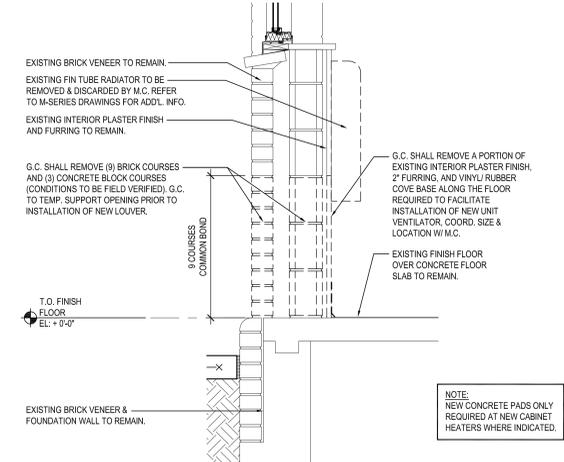
1. NEW CABINET HEATER BY M.C. G.C. TO CREATE NEW MASONRY OPENING FOR NEW 12"x8" LOUVER. OPENING BY G.C. LOUVER BY M.C.
2. NEW CABINET HEATER BY M.C. G.C. TO CREATE NEW MASONRY OPENING FOR NEW 14"x5" LOUVER. OPENING BY G.C. LOUVER BY M.C.
3. NEW U.V. BY M.C. G.C. TO CREATE NEW MASONRY OPENING FOR NEW 14"x10" LOUVER. OPENING BY G.C. LOUVER BY M.C.
4. NEW U.V. BY M.C. G.C. TO CREATE NEW MASONRY OPENING FOR NEW 14"x10" LOUVER. OPENING BY G.C. LOUVER BY M.C.
5. NEW EXHAUST FAN BY M.C. G.C. TO CREATE NEW MASONRY OPENING FOR NEW 14"x10" DIAMETER LOUVER. OPENING BY G.C. LOUVER BY M.C.

G.C. TO REMOVE AND REINSTALL EXISTING 2x4 ACOUSTIC CEILING TILE TO ALLOW FOR NEW PIPING WORK BY M.C. COORDINATE FINAL LOCATION WITH M.C.

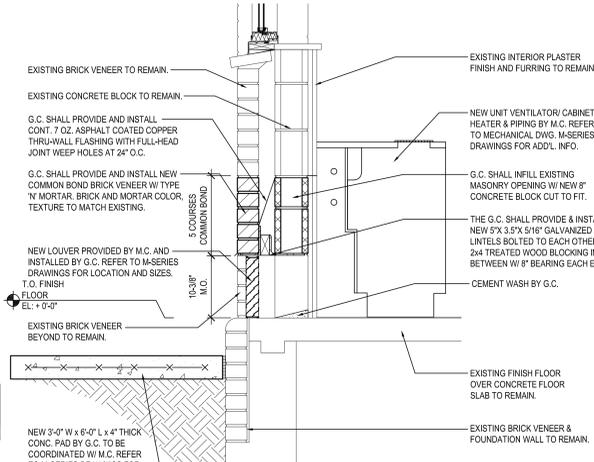
LOCATION OF NEW U.V.'S/ CABINET HEATERS BY M.C. SEE FURTHER NOTES FOR LOUVER DETAILS.



1 TYPICAL SHEET METAL DUCT PENETRATION DETAIL
 NOTE: EXISTING ROOF INSTALLATION
 SCALE: N.T.S.

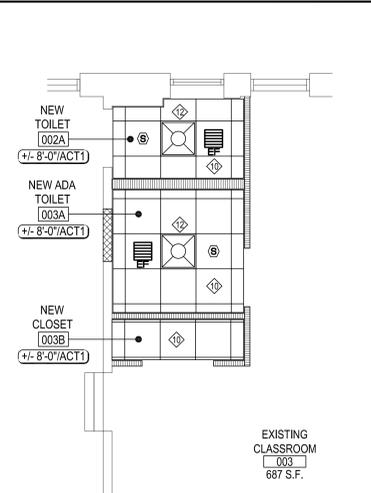
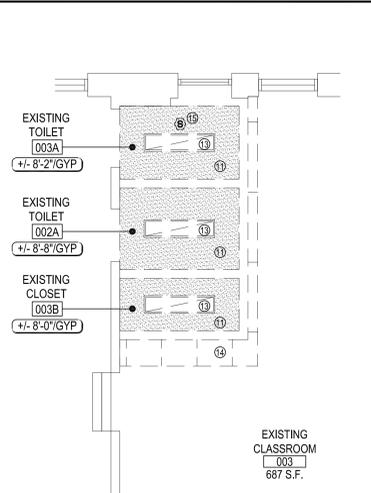
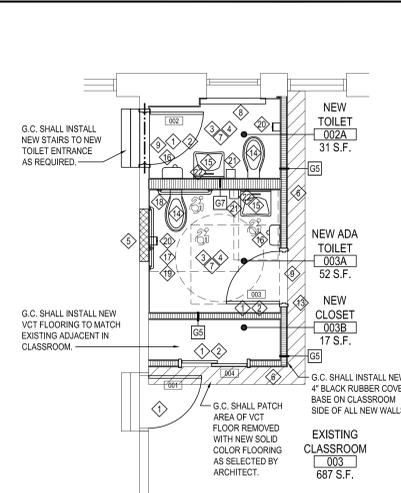
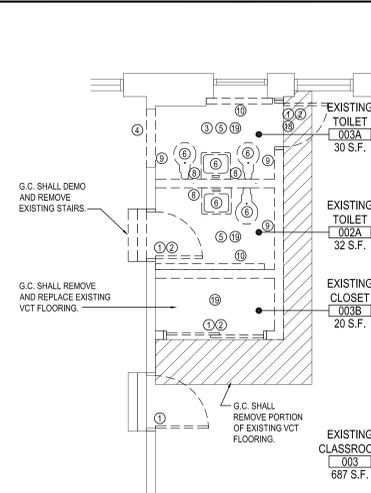


2 SECTION DETAIL
 DEMO
 SCALE: 1" = 1'-0"



3 SECTION DETAIL
 PROPOSED
 SCALE: 1" = 1'-0"

FIRST FLOOR - DEMOLITION AND PROPOSED PLAN
 SCALE: 1/8" = 1'-0"

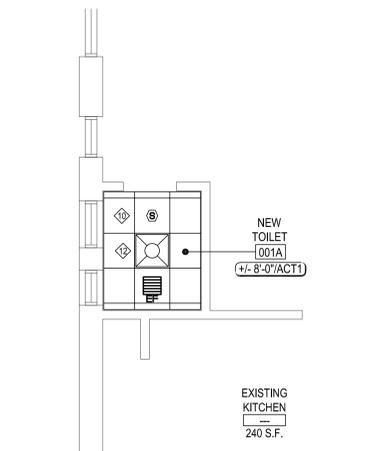
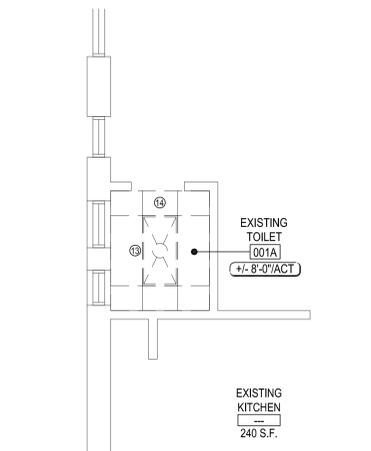
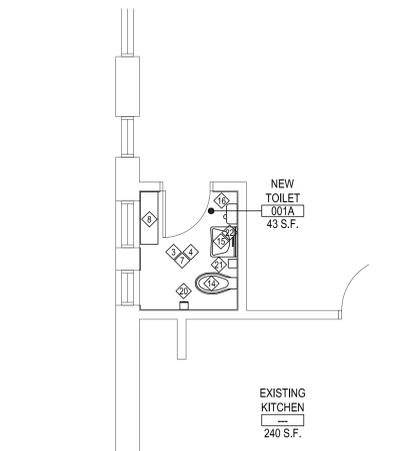
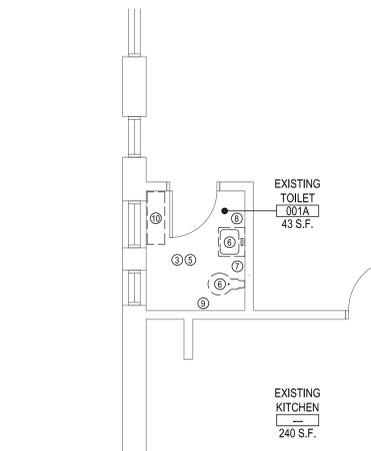


TOILET #002A & #003A - DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

TOILET #002A & #003A - PROPOSED PLAN
SCALE: 1/4" = 1'-0"

TOILET #002A & #003A - DEMOLITION RCP
SCALE: 1/4" = 1'-0"

TOILET #002A & #003A - PROPOSED RCP
SCALE: 1/4" = 1'-0"

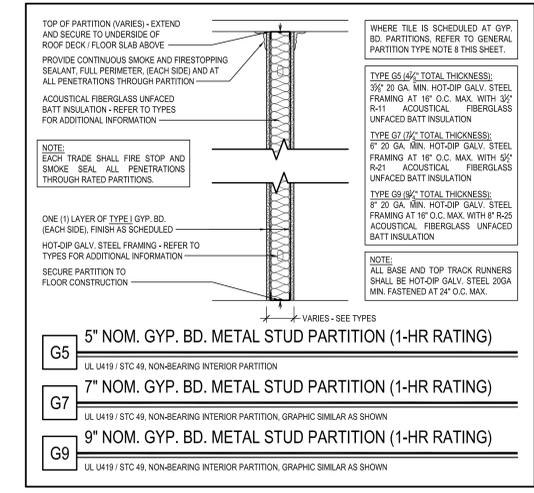


TOILET #001A - DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

TOILET #001A - PROPOSED PLAN
SCALE: 1/4" = 1'-0"

TOILET #001A - DEMOLITION RCP
SCALE: 1/4" = 1'-0"

TOILET #001A - PROPOSED RCP
SCALE: 1/4" = 1'-0"



REFLECTED CEILING NOTES:

- CEILING PLANS MAY NOT INDICATE ALL MECHANICAL AND/OR ELECTRICAL CEILING ITEMS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CEILING GRID SHALL BE ARRANGED TO BE SPACED EQUALLY IN EACH DIRECTION WITH NO TILE LESS THAN 8" UNLESS OTHERWISE REQUIRED.
- UNLESS OTHERWISE NOTED, ALL SOFFITS AND WINDOW POCKETS SHALL BE TYPE-X GYP. BD. OVER 18GA. COLD FORMED FRAMING AT 16" O.C.
- ALL AREAS NOTED AS 'OPEN' AND/OR 'NO CEILING (CLG)' SHALL BE PAINTED. (INCLUDING DECK, STRUCTURE, DUCTWORK, ETC.)
- REFER TO CEILING TYPES NOTES FOR ADDITIONAL INFORMATION.

CEILING TYPES

TYPE ACT1: ACOUSTIC CEILING TILE BY 'ARMSTRONG' SIZE 24" X 24" X 7/8", NRC RATING .80 STYLE: #1445 ULTIMA HEALTH ZONE HIGH NRC. SQUARE LAY IN (TOILET ROOMS)

CEILING GRID BY 'ARMSTRONG', 1516" PRELUDE, U.O.N. NOTE: ALL CEILING TILE & GRID TO BE WHITE UNLESS OTHERWISE NOTED.

NOTES

- GENERAL CONTRACTOR SHALL PATCH ALL AREAS OF FLOOR DAMAGED BY THE REMOVAL OF MASTIC.
- GENERAL CONTRACTOR SHALL FLASH PATCH ALL FLOORS IN THEIR ENTIRETY WHERE MASTIC REMOVAL HAS OCCURRED WITH (PLAN/PATCH PLUS) BY MAPEI OR ARCHITECT APPROVED EQUAL.
- GENERAL CONTRACTOR SHALL PERFORM A BOND TEST IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. PRIOR TO INSTALLATION OF NEW FLOORING.
- PROVIDE NEW MARBLE SADDLE AT ALL TOILET ROOM DOORS. PROVIDE BEVELED SADDLE TO MEET ADA REQUIREMENTS.
- ALL NEW V.C.T. FLOORING TO BE INSTALLED THROUGHOUT ENTIRE FLOOR AREA AS SHOWN UNLESS OTHERWISE NOTED.

CEILING NOTE:

ALL TOILET ROOM CEILINGS ARE TO BE SIMILAR OR EQUAL TO ARMSTRONG #1445 ULTIMA HEALTH ZONE HIGH NRC CEILING TILE. THIS TILE IS TREATED WITH HUMIGUARD PLUS FOR DURABILITY, WORKABILITY AND WATER-RESISTANCE. THE TILE CARRIES A 30-YEAR WARRANTY AGAINST SAG, MOLD, MILDEW AND GROWTH.

PORCELAIN / CERAMIC TILE TYPES

FLOORS:

TYPE PFT1: 12" X 12" GLAZED PORCELAIN FLOOR TILE BY DALTELE STYLE: HARMONIST COLOR: TO BE SELECTED BY ARCHITECT

WALLS:

TYPE CW1T: 6" X 6" CERAMIC WALL TILE BY DALTELE STYLE: COLOR: WHEEL-CLASSIC COLOR: TO BE SELECTED BY ARCHITECT (TOILET WALL FIELD TILE)

TYPE CW1A: 6" ACCENT BAND 1" X 1" AMERICAN CLEAN COLOR APPEAL GLASS MOSAICS COLOR: TO BE SELECTED BY ARCHITECT (TOILET WALL ACCENT TILE)

TYPE CW1B: 6" ACCENT BAND 1" X 1" AMERICAN CLEAN COLOR APPEAL GLASS MOSAICS COLOR: TO BE SELECTED BY ARCHITECT (TOILET WALL ACCENT TILE)

CERAMIC COVE BASE:

TYPE CTCB1: 6" X 6" CERAMIC TILE FLAT TOP COVE BASE BY DALTELE STYLE: SEMI-GLOSS A-301 COLOR: TO BE SELECTED BY ARCHITECT (TOILET COVE BASE)

BASE TYPES

TYPE RCB1: 4" RUBBER COVE BASE BY 'JOHNSONITE' COLOR: PEWTER C538

GROUT TYPES

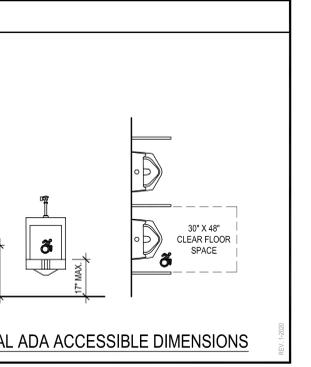
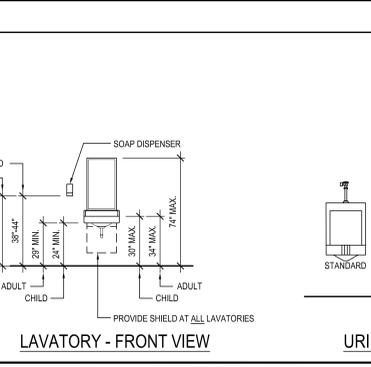
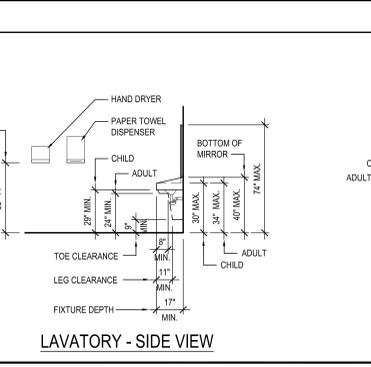
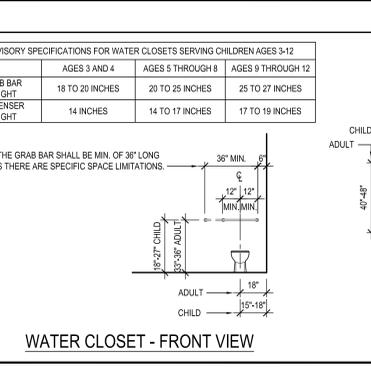
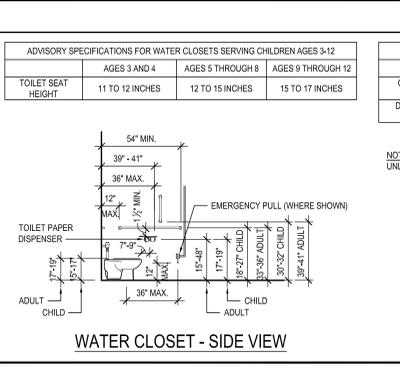
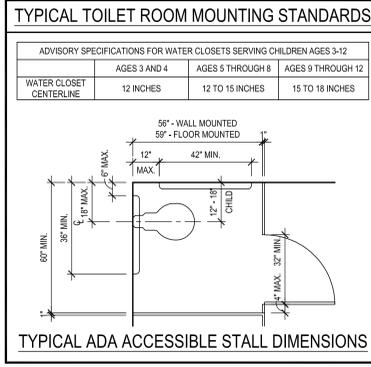
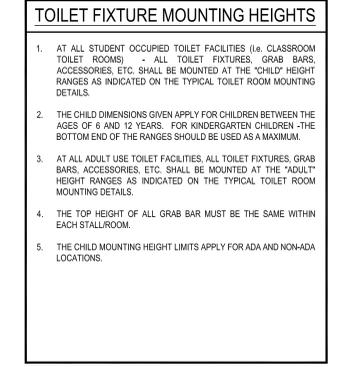
FLOOR GROUT: AS MANUFACTURED BY MAPEI OR EQUAL. SANDED. COLOR: TO BE SELECTED BY ARCHITECT

WALL GROUT: AS MANUFACTURED BY MAPEI OR EQUAL. UNSANDED. COLOR: TO BE SELECTED BY ARCHITECT

PAINT TYPES

TYPE P1: PAINT BY SHERWIN WILLIAMS. DTM ALKO SEMI-GLOSS ENAMEL. COLOR: TO BE SELECTED BY ARCHITECT (HM DOOR FRAMES/RADIATOR COVERS)

TYPE P2: PAINT BY SHERWIN WILLIAMS. SEMI-GLOSS ENAMEL FINISH. COLOR: TO BE SELECTED BY ARCHITECT (TOILET ROOMS)



DEMOLITION AND REMOVAL KEYED NOTES:

(ALL CONTRACTORS SHALL REFER TO ASBESTOS, LEAD AND PCB ABATEMENT PLANS AND ASSOCIATED TESTING REPORTS IN SPECIFICATIONS PRIOR TO ANY REMOVALS)

- G.C. SHALL REMOVE EXISTING DOOR AND HARDWARE. TURN OVER TO OWNER OR DISPOSE OF AS DIRECTED BY OWNER.
- G.C. SHALL REMOVE EXISTING TOILET ROOM DOOR FRAME.
- THROUGHOUT EXISTING TOILET ROOM - G.C. SHALL REMOVE AND DISPOSE OF EXISTING CERAMIC WALL TILE WAINSCOT. IN LOCATIONS WHERE THE EXISTING WALLS ARE TO REMAIN AND RECEIVE NEW FINISHES, G.C. SHALL PATCH AND PREP EXISTING WALL BOARD, PLASTER AND OR CALL SURFACES - READY TO RECEIVE NEW FINISHES.
- G.C. SHALL REMOVE AND DISPOSE OF EXISTING MASONRY WALLS IN THEIR ENTIRETY. G.C. SHALL PATCH/REPAIR ADJACENT WALLS, CEILINGS, AND FLOORS TO MATCH EXISTING ADJACENT. IN LOCATIONS WHERE THERE IS EXISTING SECTION OF WALL ABOVE AND THERE IS EXISTING STRUCTURE ABOVE THAT IS SUPPORTED BY THE REMOVED WALL BELOW - G.C. SHALL SHORE-UP AND TEMPORARILY SUPPORT EXISTING WALL STRUCTURE ABOVE - G.C. SHALL PROVIDE AND INSTALL NEW STEEL LINTEL AT NEWWIDENED DOOR MDS AND INSTALL NEW CMU WALL IN WIDTH AND COURSE TO MATCH EXISTING. REFER TO PROPOSED PLANS FOR ADDITIONAL INFORMATION.
- THROUGHOUT EXISTING TOILET ROOM - EXISTING CERAMIC FLOOR TILE & BASE TO BE COMPLETELY REMOVED AND DISPOSED OF. PROVIDE NEW MIDDLET CERAMIC FLOOR TILE AND NEW INTEGRAL BASE. TYPICAL ENTIRE ROOM PROVIDE POSITIVE PITCH TO FLOOR DRAINS.
- THROUGHOUT EXISTING TOILET ROOMS - G.C. SHALL REMOVE AND DISPOSE OF ALL EXISTING PLUMBING FIXTURES (SINKS, URINALS, WATER CLOSETS, FAUCETS, FLUSHOMETERS, ETC.) IN THEIR ENTIRETY. P.C. SHALL DISCONNECT, ADJUST/ CUT BACK ALL PLUMBING PIPING. G.C. TO COORDINATE WITH P.C. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- THROUGHOUT ALL EXISTING TOILET ROOMS - G.C. SHALL REMOVE PART OF EXISTING WET WALLS AS REQUIRED TO ALLOW PLUMBING CONTRACTOR TO MODIFY PLUMBING AND INSTALL NEW FIXTURE CARRIERS. G.C. TO COORDINATE WITH P.C. FOR LOCATIONS PRIOR TO DEMO. G.C. TO INFILL ALL OPENINGS AFTER P.C. HAS COMPLETED. INFILL OPENINGS WITH CMU TO MATCH EXISTING. TOOTHAN NEW MASONRY. G.C. TO TEMPORARILY SHORE OPENINGS AS REQUIRED.
- THROUGHOUT EXISTING TOILET ROOM - G.C. TO REMOVE ALL EXISTING HAND SOAP DISPENSERS AND TURN OVER TO OWNER OR DISPOSE OF AS DIRECTED BY THE OWNER.
- THROUGHOUT EXISTING TOILET ROOM - G.C. TO REMOVE ALL EXISTING TOILET PAPER DISPENSERS AND TURN OVER TO OWNER OR DISPOSE OF AS DIRECTED BY THE OWNER.
- THROUGHOUT EXISTING TOILET ROOMS - EXISTING RADIATOR COVERS TO REMAIN. G.C. TO REMOVE PREP AND PAINT AND REINSTALL. COLOR BY ARCHITECT.
- THROUGHOUT EXISTING TOILET ROOMS - G.C. TO REMOVE ALL EXISTING PLASTER CEILING IN THEIR ENTIRETY. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- THROUGHOUT EXISTING TOILET ROOM - EXISTING CEILING VENTILATION GRILLES ARE TO BE REMOVED AND NEW ONES INSTALLED. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- THROUGHOUT EXISTING TOILET ROOM - G.C. TO REMOVE ALL EXISTING SURFACE MOUNTED OR LAY-IN LIGHT FIXTURES AND TURN OVER TO OWNER OR DISPOSE OF AS DIRECTED BY THE OWNER. E.G. TO DISCONNECT PRIOR TO THEIR REMOVALS (REFER TO REFLECTED CEILING PLANS & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION).
- THROUGHOUT EXISTING TOILET ROOMS - G.C. SHALL REMOVE AND DISPOSE OF ALL EXISTING CEILING GRID AND CEILING TILES. REFER TO REFLECTED CEILING PLANS & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- THROUGHOUT EXISTING TOILET ROOMS - EXISTING CEILING MOUNTED ELECTRICAL DEVICES (SMOKE DETECTORS, OCCUPANCY SENSORS, VAPE SENSORS, FIRE ALARM DEVICES, ETC. ARE TO BE REMOVED AND REPLACED WITH NEW REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING THERMOSTAT TO REMAIN. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING FLOOR DRAIN TO REMAIN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- THROUGHOUT EXISTING TOILET ROOMS - G.C. TO REMOVE EXISTING MARBLE DOOR SADDLES AND REPLACE WITH NEW REFER TO TOILET ROOM FINISHED FLOOR PLANS FOR ADDITIONAL INFORMATION.
- PRIOR TO COMMENCEMENT OF WORK, THE OWNER SHALL REMOVE ALL FREE STANDING SHELVING/ EQUIPMENT/ ETC.

DEMOLITION and REMOVAL NOTES

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

FLUORESCENT BULB NOTE

ALL EXISTING FLUORESCENT BULBS TO BE REMOVED SHALL BE CONSIDERED HAZARDOUS WASTE AND SHOULD BE HANDLED AND DISPOSED OF IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) & UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) RULES, REGULATIONS & GUIDELINES.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
(Solid line)	EXISTING CONSTRUCTION TO REMAIN
(Dashed line)	EXISTING CONSTRUCTION TO BE REMOVED
(Dotted line)	ROOM TAG
(Room name box)	ROOM NAME
(Room number box)	ROOM NUMBER
(Room sq ft box)	ROOM SQUARE FOOTAGE
(XX)	KEYED DEMOLITION NOTE. SEE NOTES ON THIS SHEET
(Toilet symbol)	EXISTING FLOOR MOUNTED TOILET TO BE REMOVED AND DISPOSED OF BY THE GENERAL CONTRACTOR (REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION)
(Lavatory symbol)	EXISTING WALL MOUNTED LAVATORY TO BE REMOVED AND DISPOSED OF BY THE GENERAL CONTRACTOR (REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION)
(Grille symbol)	EXISTING CEILING GRILLE TO BE REMOVED AND DISPOSED OF BY THE GENERAL CONTRACTOR (REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Switch symbol)	EXISTING SWITCH LOCATION (REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Thermostat symbol)	EXISTING THERMOSTAT LOCATION (REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Smoke detector symbol)	EXISTING SMOKE DETECTOR LOCATION (REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Light fixture symbol)	EXISTING SURFACE MOUNTED LIGHT FIXTURE TO BE REMOVED BY THE G.C. (REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Recessed light symbol)	EXISTING RECESSED LIGHT FIXTURE TO BE REMOVED BY THE G.C. (REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Radiator symbol)	EXISTING RADIATOR TO REMAIN. EXISTING RADIATOR COVERS TO BE REMOVED BY G.C. PREPPED, PAINTED AND REINSTALLED.
(Keyed note symbol)	KEYED CONSTRUCTION NOTE. SEE NOTES ON THIS SHEET
(Toilet symbol)	NEW FLOOR MOUNTED TOILET (REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION)
(Lavatory symbol)	NEW WALL MOUNTED LAVATORY (REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION)
(Grille symbol)	NEW CEILING GRILLE (REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Switch symbol)	NEW SWITCH LOCATION (REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Thermostat symbol)	NEW THERMOSTAT LOCATION (REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Smoke detector symbol)	NEW SMOKE DETECTOR LOCATION (REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Light fixture symbol)	NEW RECESSED LIGHT FIXTURE (REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION)
(Fan symbol)	NEW EXHAUST FAN PROVIDED AND INSTALLED BY M.C. COORDINATE LOCATION WITH M.C.

CONSTRUCTION KEY NOTES

- G.C. TO INSTALL NEW DOOR AND HARDWARE. REFER TO HARDWARE SCHEDULE IN PROJECT MANUAL.
- G.C. TO INSTALL NEW DOOR FRAME. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFO.
- THROUGHOUT ENTIRE TOILET ROOM - G.C. SHALL PROVIDE AND INSTALL NEW FLOOR TILE AND CERAMIC TILE COVE BASE. REFER TO FINISH PLANS AND FINISH NOTES FOR ADDITIONAL INFO.
- THROUGHOUT EXISTING TOILET ROOM - G.C. SHALL INSTALL NEW CERAMIC WALL TILE TO A HEIGHT OF 4'-0" A.F.F. REFER TO FINISH PLANS AND FINISH NOTES FOR ADDITIONAL INFO.
- G.C. SHALL INSTALL NEW MASONRY TO MATCH EXISTING WALLS AS REQUIRED TO INFILL OR PATCH EXISTING WALLS THROUGHOUT THE PROJECT AREAS. REFER TO FINISH NOTES FOR ADDITIONAL INFO.
- NEW PARTITION WALL - 3 1/2" OR 6" (SEE WALL TAG AND PARTITION TYPE) 20 GA. STEEL STUDS AT 16" O.C. WITH 1 LAYER OF 5/8" TYPE 'X' H.I.R. MOISTURE RESISTANT GYPSUM BOARD & 1/2" CEMENT BOARD ON TOILET ROOM SIDE ONLY. AND (1) LAYER OF 5/8" TYPE 'X' H.I.R. GYPSUM BOARD ON SIDE OTHER THAN TOILET ROOM. PROVIDE FIBERGLASS ACOUSTIC SOUND BATTS BETWEEN STUDS (ENTIRE WALL). RUN WALL FULL HEIGHT AND SECURE TO ROOF FLOOR DECK. TAPE/SPACKLE/PRIME/PAINT. SEE TOILET ROOM TILE WAINSCOT & SUBSTRATE NOTE AND FINISH NOTES FOR ADDITIONAL INFO.
- G.C. TO LAMINATE NEW 3/2" TYPE 'X' H.I.R. MOISTURE RESISTANT GYPSUM BOARD TO ALL TOILET ROOM WALLS. PREP TO RECEIVE WAINSCOT WALL TILE AND/OR PAINT. REFER TO FINISH NOTES FOR ADD. INFO.
- G.C. TO PREP, PRIME AND PAINT EXISTING RADIATOR COVERS THROUGHOUT THE PROJECT AREAS. REFER TO FINISH NOTES FOR ADDITIONAL INFO.
- G.C. TO PROVIDE AND INSTALL NEW FLUSH MARBLE THRESHOLD.
- G.C. TO INSTALL NEW ACOUSTIC LAY-IN TILE AND GRID SYSTEM AS SPECIFIED AT 8'-0" A.F.F., G.C. TO COORDINATE WITH THE ELECTRICAL CONTRACTOR.
- G.C. TO INSTALL NEW LAY-IN EGGR CRATE MECHANICAL GRILLE. G.C. TO COORDINATE WITH THE M.C.
- ELECTRICAL CONTRACTOR TO INSTALL NEW LAY-IN LIGHT FIXTURES AS SPECIFIED. REFER TO ELECTRICAL SERIES OF DRAWINGS FOR ADDITIONAL INFO. ELECTRICAL CONTRACTOR TO COORDINATE WITH THE G.C.
- NEW ADA DOOR OPERATOR SWITCHES BY G.C., E.C. TO WIRE. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFO.
- P.C. TO FURNISH AND INSTALL NEW ADA ACCESSIBLE WATER CLOSET AND FLUSHOMETER.
- P.C. TO FURNISH AND INSTALL NEW ADA ACCESSIBLE LAVATORY AND FAUCET.
- E.C. TO FURNISH AND INSTALL NEW ADA ACCESSIBLE HAND DRYER. E.C. TO COORDINATE LOCATION WITH G.C.
- G.C. TO FURNISH AND INSTALL NEW 36" GRAB BAR.
- G.C. TO FURNISH AND INSTALL NEW 36" GRAB BAR.
- G.C. TO FURNISH AND INSTALL NEW 42" GRAB BAR.
- G.C. TO FURNISH AND INSTALL NEW TOILET PAPER DISPENSER.
- G.C. TO FURNISH AND INSTALL NEW SOAP DISPENSER.
- G.C. TO FURNISH AND INSTALL NEW MIRROR.

REV.	DATE	ITEM

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KEY PLAN

NOT TO SCALE

PROJECT

GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
EARLY CHILDHOOD PROGRAM
HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE

DEMOLITION and PROPOSED PLANS
TOILET ROOM RENOVATIONS

DRAWING BY: S.E.S.
CHECK BY: J.W.W.

NOTICE

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ARCHITECTS
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ENGINEERS

244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
PATCHOUGE, ALBANY
NEW YORK 12222 | NEW YORK 12205
T. 518.475.0349 | T. 518.621.7630
F. 518.475.0561 | F. 518.621.7655

www.bbsarchitects.com

SED No: 66-04-07-06-011-008
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS EARLY CHILDHOOD PROGRAM
DWG TITLE: DEMO & PROPOSED PLANS & NOTES
SCALE: AS NOTED
DATE: MAY 2022
SID PICK-UP: MAY 27, 2022
FILE No: 21-292

A2.01E

DOOR SCHEDULE

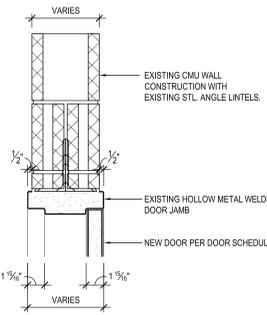
AREA	DOOR NO.	LOCATION	SIGNAGE	DOOR				ELEV. TYPE	MAT	FRAME		HARDWARE SET			FIRE RATING	REMARKS	DOOR NO.	
				LEAVES	WIDTH	HEIGHT	THICKNESS			TYPE	MAT	JAMB	SILL	T/HOLD				
AREA 'A'	001	CLASSROOM #002 to CLASSROOM #003	---	1	3'-0"	7'-0"	1 3/4"	A	SCLCOV	---	EXISTING TO REMAIN	01A	H1	J1	---	T1	---	001
	002	CLASSROOM #002 to NEW TOILET #002A	---	1	3'-0"	7'-0"	1 3/4"	A	SCLCOV	---	F1	H.M.	---	04	H2	J2	---	002
	003	CLASSROOM #003 to NEW ADA TOILET #003A	---	1	3'-0"	7'-0"	1 3/4"	A	SCLCOV	---	F1	H.M.	---	04	H3	J3	---	003
	004	CLASSROOM #003 to NEW CLOSET #003B	---	2	2'-0"	7'-0"	1 3/4"	A	SCLCOV	---	F1	H.M.	---	06	H3	J3	---	004

ABBREVIATION LEGEND

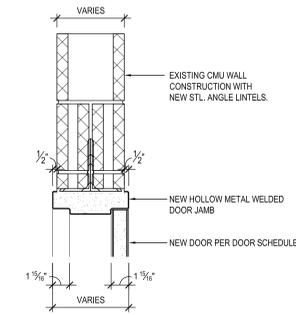
ALUM.	ALUMINUM	S.F.	SECURITY FILM
S.C.L.C.O.V.	SOLID COMPOSITE LUMBER CORE OAK VENEER	SG-1	3/4" SHOOTER ATTACK GLAZING
M.C.O.V.	MINERAL CORE OAK VENEER	SG-2	1" INSULATED SHOOTER ATTACK GLAZING
S.C.L.M.V.	SOLID COMPOSITE LUMBER CORE MAPLE VENEER	SG-3	20 MIN. RATED SHOOTER ATTACK GLAZING
M.C.M.V.	MINERAL CORE MAPLE VENEER	SG-4	45 MIN. RATED SHOOTER ATTACK GLAZING
F.R.P.	FIBERGLASS REINFORCED POLYESTER	SG-5	60 MIN. SHOOTER ATTACK GLAZING
H.M.	HOLLOW METAL	SG-6	90 MIN. SHOOTER ATTACK GLAZING
F.G.	1/2" FIREGLASS 20	BRG-1	LEVEL 1 BULLET RESISTANT GLAZING
F.L.P.	3/4" FIRE-LITE PLUS	BRG-2	LEVEL 2 BULLET RESISTANT GLAZING
PYRO	PYROSTOP GLAZING	BRG-3	LEVEL 3 BULLET RESISTANT GLAZING
INSUL.	1" INSULATED GLAZING	SGP-1	LEVEL 1 BULLET RESISTANT SECURITY PANEL
S.L.	1/2" SAFETY LAMINATED GLAZING	SGP-2	LEVEL 2 BULLET RESISTANT SECURITY PANEL
O.B.S.C.	OBSCURE GLAZING	SGP-3	LEVEL 3 BULLET RESISTANT SECURITY PANEL
U.O.N.	UNLESS OTHERWISE NOTED		

DOOR NOTES

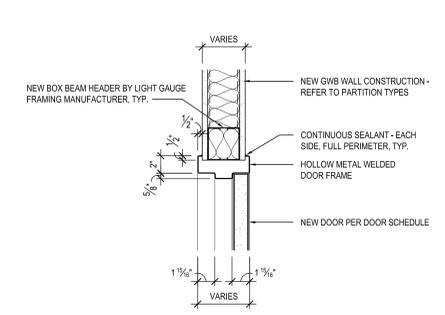
- ALL DOORS, FRAMES AND HARDWARE SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- GENERAL CONTRACTOR SHALL COORDINATE ALL KEYING WITH OWNER.
- FIRE RATED WOOD DOORS (60 MIN. AND ABOVE ONLY) SHALL HAVE SOLID MINERAL CORE. ALL OTHER WOOD DOORS SHALL HAVE SOLID COMPOSITE LUMBER CORE.
- FLUSH WOOD DOORS SHALL BE 5 PLY LAMINATED FACE SHEETS WITH 2 PLY FINISH VENEER OVER SPECIFIED CORE. AT FIRE RATED DOORS, TOP AND BOTTOM RAILS AND STILES SHALL BE FIRE RESISTANT COMPOSITION MATERIAL BONDED TO CORE. PROVIDE SOLID BLOCKING FOR CLOSER AND HARDWARE. REFER TO SPECIFICATION SECTION 0821 FOR ADDITIONAL INFORMATION.
- ALL GLAZING IN DOORS SHALL BE INSTALLED IN METAL VISION KIT TO MATCH FIRE LABEL. VISION KIT COLOR SHALL BE AS SELECTED BY ARCHITECT. INTERIOR GLAZING TYPES AND SIZES SHALL CONFORM TO NFPA 80 AND/OR ASTM E19. WHERE SECURITY GLAZING IS INDICATED, VISION KIT SHALL BE THROUGH-BOLT TYPE.
- ALL NEW H.M. FRAMES SHALL BE FULLY WELDED WRAP AROUND TYPE (UNLESS OTHERWISE NOTED OR DETAILED). THROATS SHALL BE SIZED ACCORDING TO WALL THICKNESS AND FINISH. REFER TO FLOOR PLAN AND ENLARGED DETAILS FOR ADDITIONAL INFORMATION.
- FOR DOOR REPLACEMENTS IN KIND, GENERAL CONTRACTOR SHALL MODIFY AND PATCH EXISTING WOOD OR H.M. DOOR FRAMES (DESIGNATED TO REMAIN) TO ACCOMMODATE NEW DOOR OPERATOR, LOCKSET, LATCH, HINGES, DOOR SWING AND/OR CLOSER, ETC. AS REQUIRED FOR COMPLETE AND FUNCTIONAL OPERATION.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING HEIGHT AND WIDTH OF PROPOSED DOORS TO BE INSTALLED IN EXISTING FRAMES (PRIOR TO SHOP DRAWING SUBMITTAL) TO ENSURE PROPER FIT AND DOOR FUNCTION.
- ALL NEW HOLLOW METAL FRAMES AND HOLLOW METAL DOORS SHALL BE FINISH PAINTED. REFER TO SPECIFICATION SECTION 0900 FOR PAINT TYPE. COLOR AS SELECTED BY ARCHITECT.
- GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL A.D.A. COMPLIANT SIGNAGE AT ALL DOORS WHERE SPECIFIED IN DOOR SCHEDULE AND/OR SHOWN ON FLOOR PLANS. INSTALL IN CONFORMANCE WITH ALL ADA HEIGHT AND PLACEMENT REQUIREMENTS.
 - ▲ A WHERE DENOTED IN SCHEDULE, PROVIDE 4"x4" SIGNAGE WITH BRAILLE INDICATING ROOM NUMBER (COORD. WITH OWNER). MODEL NO. E-8TCJST.
 - ▲ B WHERE DENOTED IN SCHEDULE, PROVIDE 4"x12" SIGNAGE WITH BRAILLE INDICATING ROOM NAME AND NUMBER (COORD. WITH OWNER). MODEL NO. E-8TCJST.
 - ▲ C WHERE DENOTED IN SCHEDULE, PROVIDE 6"x6" SIGNAGE WITH BRAILLE INDICATING GENDER AND WHEELCHAIR PICTOGRAMS AND ROOM NAME AT MULTI-USE TOILET ROOMS.
 - AT MULTI-USE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. X-5687 (WOMEN), X-5672 (MEN), X-7096 (BOYS), X-7096 (GIRLS).
 - AT MULTI-USE ACCESSIBLE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. X-5688 (WOMEN), X-5671 (MEN), X-7108 (BOYS), X-7107 (GIRLS).
 - ▲ D WHERE DENOTED IN SCHEDULE, PROVIDE 6"x9" SIGNAGE WITH BRAILLE INDICATING GENDER AND WHEELCHAIR PICTOGRAMS AND ROOM NAME AT SINGLE-USE TOILET ROOMS.
 - AT SINGLE-USE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. E-8TCJST. SIGN SHALL SPECIFY STAFF OR STUDENT USE AS REQUIRED.
 - AT SINGLE-USE ACCESSIBLE TOILET ROOMS, PROVIDE AND INSTALL MODEL NO. E-8TCJST. SIGN SHALL SPECIFY STAFF OR STUDENT USE AS REQUIRED.
- MANUFACTURER: "ALL STATE SIGN AND PLAQUE", DEER PARK, NY OR APPROVED EQUAL. ALL SIGNAGE SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL. COLOR AS SELECTED BY ARCHITECT.
- ALL REMOVABLE MULLIONS ARE TO BE KEYS ALIKE AND TO MATCH EXISTING BUILDING SYSTEM.
- AUTOMATIC DOOR OPERATORS - THE ELECTRICAL CONTRACTOR SHALL PROVIDE A LINE VOLTAGE CIRCUIT TO THE AUTO OPERATOR. LOCATION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WIRING ASSOCIATED WITH AUTOMATIC DOOR OPERATORS, INCLUDING ELECTRONIC STRIKE, PUSH BUTTONS, TRANSFORMERS AND ANY OTHER DEVICES REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- FIRE RATED GLAZING WITH SURFACE APPLIED FILMS WILL NOT BE CONSIDERED EQUIVALENT WHERE LAMINATED FILM IS SPECIFIED.



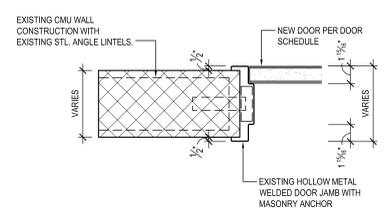
H1 HEAD DETAIL
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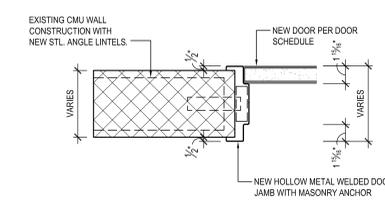
H2 HEAD DETAIL
SCALE: 1-1/2" = 1'-0"



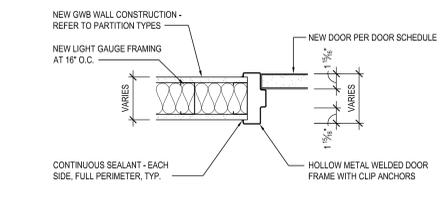
H3 HEAD DETAIL
SCALE: 1-1/2" = 1'-0"



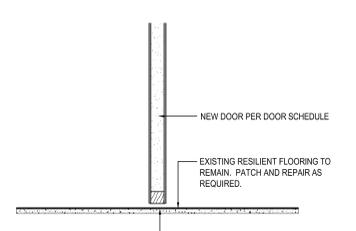
J1 JAMB DETAIL
SCALE: 1-1/2" = 1'-0"



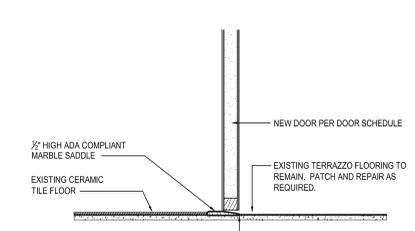
J2 JAMB DETAIL
SCALE: 1-1/2" = 1'-0"



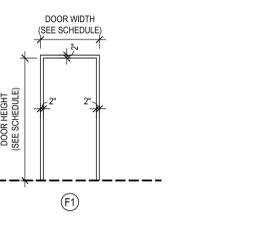
J3 JAMB DETAIL
SCALE: 1-1/2" = 1'-0"



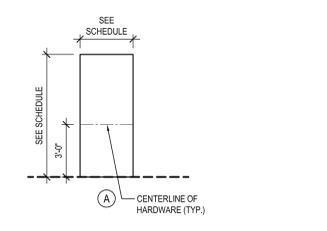
T1 THRESHOLD DETAIL
SCALE: 1-1/2" = 1'-0"



T2 THRESHOLD DETAIL
SCALE: 1-1/2" = 1'-0"

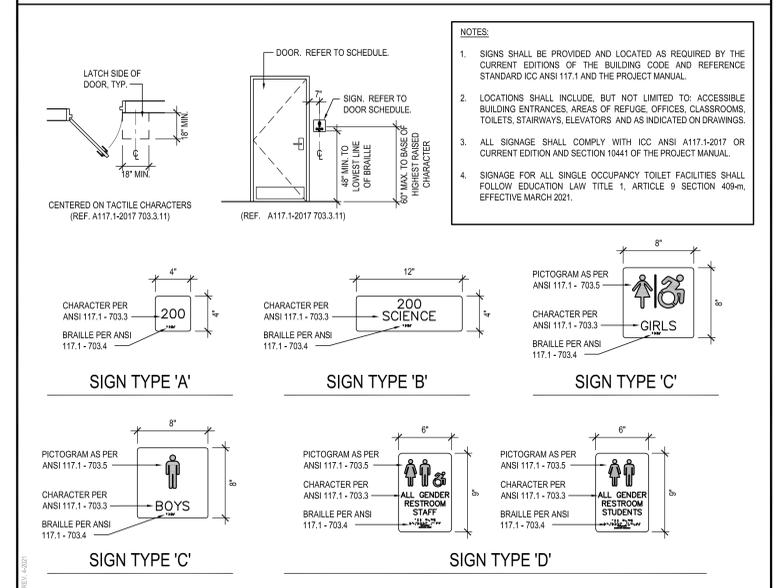


FRAME TYPE ELEVATIONS
NOTE: REFER TO DOOR SCHEDULE FOR DOOR FRAME MATERIAL.
SCALE: 1/4" = 1'-0"



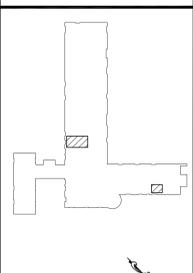
DOOR TYPE ELEVATIONS
NOTE: REFER TO DOOR SCHEDULE FOR DOOR MATERIAL AND GLAZING TYPE (WHERE APPLICABLE).
SCALE: 1/4" = 1'-0"

TYPICAL ADA SIGNAGE DETAILS



REV.	DATE	ITEM

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PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
EARLY CHILDHOOD PROGRAM
HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
DOOR SCHEDULE

DRAWING BY: S.E.S.
CHECK BY: J.W.W.

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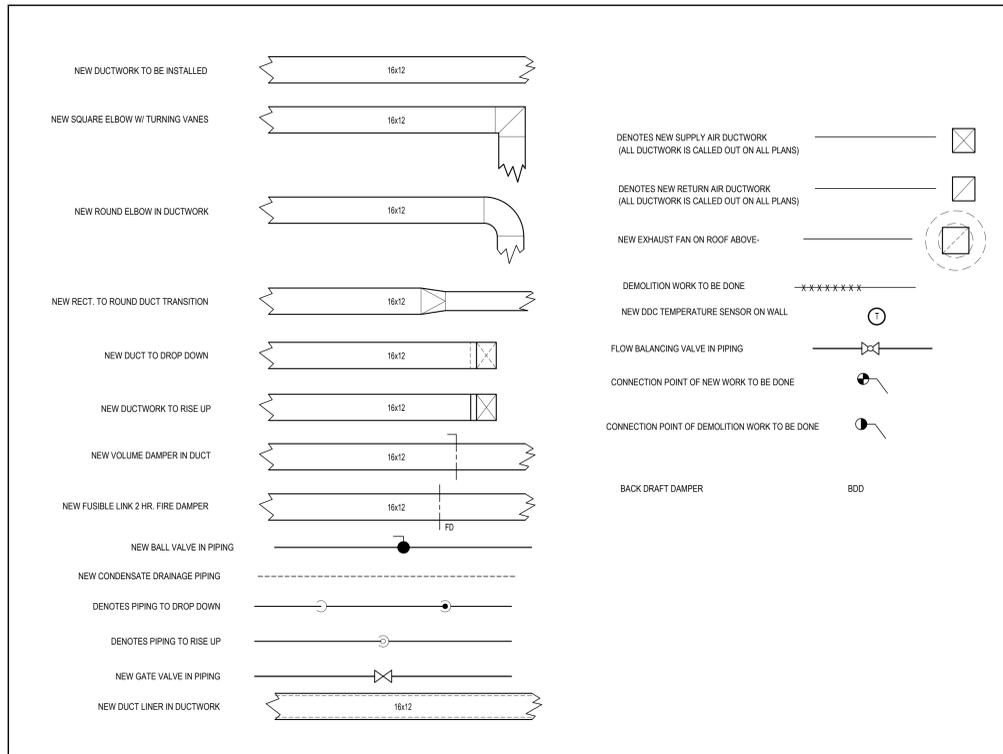
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ENGINEERS
244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
PATCHOGUE, ALBANY
NEW YORK 11772 | NEW YORK 12205
T: 631.475.0349 | T: 518.621.7650
F: 631.475.0361 | F: 518.621.7655
www.bbsarchitect.com

SED No: 66-04-07-06-0-011-008
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS
EARLY CHILDHOOD PROGRAM
DWG TITLE: DOOR SCHEDULE

SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-292

A8.01E

MECHANICAL LEGEND, SYMBOLS, AND ABBREVIATIONS



CONTRACTOR ABBREVIATIONS:

M.C. = MECHANICAL CONTRACTOR	P.C. = PLUMBING CONTRACTOR
C.C. = CONTROLS CONTRACTOR	E.C. = ELECTRICAL CONTRACTOR
R.C. = CERTIFIED ROOFING CONTRACTOR	

VENTILATION SCHEDULE

Room Number	Occupancy Classification	Occupancy Density (People Per 1000SF)	People Outdoor Airflow Rate in Breathing Zone, Rp (CFM/Person)	Area Outdoor Airflow Rate in Breathing Zone, Ra (CFM/SF)	Exhaust Airflow Rate (CFM/SF)	Area (SF)	Number of People (Pz)	Ventilation in Breathing Zone, Vbz (CFM)	Zone Air Distribution Effectiveness, Ez	Corrected Zone Outdoor Airflow CFM, Voz	OAI (CFM) Supplied
.001	Classroom (ages 5-8)	25	10	0.12	0	746	19	280	0.9	312	320
.002	Classroom (ages 5-8)	25	10	0.12	0	746	19	280	0.9	312	320
.003	Classroom (ages 5-8)	25	10	0.12	0	674	17	251	0.9	279	280
.004	Classroom (ages 5-8)	25	10	0.12	0	599	15	222	0.9	247	250
.002A	Classroom (ages 5-8)	25	10	0.12	0	155	4	59	0.9	66	70
.002B	Classroom (ages 5-8)	25	10	0.12	0	151	4	59	0.9	66	70
Office-001	Office space	5	5	0.06	0	165	1	15	0.8	19	30
Office-002	Office space	5	5	0.06	0	230	2	24	0.8	30	30
Nurse Office	Office space	5	5	0.06	0	152	1	15	0.8	19	30

GENERAL NOTES

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

FIRE STOPPING NOTES

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

GENERAL INSTRUMENTATION NOTES

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

PIPING SYSTEMS AND EQUIPMENT VENTING NOTES

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

ELECTRICAL WORK UNDER MECHANICAL CONTRACT

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

DUCTWORK NOTES

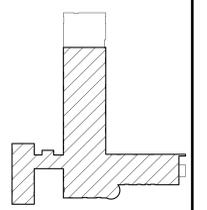
- PROVIDE ALL NEW DUCTWORK AS SHOWN AND SPECIFIED UNDER SPECIFICATION SECTION 015891, AND IN CONFORMANCE WITH "SMACNA" SPECIFICATIONS.
- IF A DUCT ELBOW IS SHOWN TO BE RADIUS, THEN RADIUS ELBOWS SHALL BE INSTALLED. SQUARE ELBOWS MAY NOT BE SUBSTITUTED WHERE RADIUS ELBOWS ARE SHOWN. WHERE SQUARE ELBOWS ARE SHOWN, TURNING VANES SHALL BE INSTALLED UPON APPROVAL BY THE ENGINEER.
- PROVIDE DUCT LINING IN ALL DUCTWORK THAT IS CONVEYING BELOW AMBIENT TEMPERATURE AIR & IS NOT INSULATED. PROVIDE LINING IN SUPPLY & RETURN AIR DUCTWORK FROM AIR HANDLING EQUIPMENT TO 20 FEET AWAY FROM THE UNITS. INCLUDE LINING IN ANY OTHER DUCT SPECIFICALLY SHOWN OR SPECIFIED TO BE EQUIPPED WITH LINING. REFER TO SPECIFICATION SECTION 15891 & 15290 FOR FURTHER INFORMATION.
- WHERE FLEXIBLE DUCTWORK IS USED, LENGTHS MAY NOT EXCEED 4 FEET TOTAL IN ANY ONE RUN OF FLEXIBLE DUCTWORK. FLEXIBLE DUCTWORK SHALL BE RATED IN ACCORDANCE WITH UL 181, CLASS 1. REFER TO SPECIFICATION SECTION 15891 FOR FURTHER INFORMATION.
- MECHANICAL CONTRACTOR SHALL PROVIDE A BUTTERFLY TYPE VOLUME DAMPER WITH LOCKING QUADRANT HANDLE PRIOR TO EACH AIR OUTLET SHOWN. INSTALL DAMPER AT LEAST 5 FEET AWAY FROM AIR OUTLET WHEREVER POSSIBLE.
- MECHANICAL CONTRACTOR SHALL PROVIDE FLEXIBLE DUCT CONNECTIONS WHERE DUCT SYSTEMS CONNECT TO EQUIPMENT. REFER TO SPECIFICATION SECTION 15891 FOR FURTHER INFORMATION.

TESTING and BALANCING NOTES

- MECHANICAL CONTRACTOR WILL BE REQUIRED TO PERFORM ALL EQUIPMENT & SYSTEM TESTING / BALANCING REQUIRED UNDER THIS CONTRACT. PROVIDE A FULL REPORT DETAILING ALL DESIGN & ACTUAL CONDITIONS FOR ALL AIR & HYDRONIC SYSTEMS SHOWN ON THE DRAWINGS. REFER TO SPECIFICATION SECTIONS 15990 & 15991 FOR FURTHER DETAILS.
- UPON NOTICE OF COMPLETION OF WORK BY THE CONTRACTOR, OWNER WILL OBTAIN THE SERVICES OF AN INDEPENDENT TESTING & BALANCING CONTRACTOR TO VERIFY THE RESULTS OF THE TESTING & BALANCING REPORT SUBMISSION. INDEPENDENT TESTING AGENCY SHALL SELECT A RANDOM NUMBER OF MEASUREMENTS TO BE CHECKED. MEASUREMENTS WILL BE CHECKED IN THE SAME MANNER AS ORIGINALLY MEASURED. NUMBER OF VERIFICATION MEASUREMENTS SHALL BE APPROXIMATELY 25% OF THE TOTAL MEASUREMENTS FOR THE PROJECT.
- IF MORE THAN 10% OF THE VERIFICATION TESTING SHOWS DEVIATIONS OF 10% OR MORE / SOUND LEVEL, OF 5dB DIFFERENT THAN THAT ORIGINAL MEASURED, THE ORIGINAL REPORT WILL BE REJECTED. ALL SYSTEMS WILL THEN BE REQUIRED TO BE COMPLETELY RE-TESTED, WITH A SECOND REPORT SUBMITTED. IN THE EVENT THAT THE ORIGINAL REPORT IS REJECTED, ALL SYSTEMS SHALL BE READJUSTED & TESTED, NEW CERTIFIED REPORTS SUBMITTED, AND NEW VERIFICATION TESTS MADE, AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS INVOLVED WITH THE VERIFICATION TESTS.

REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
EARLY CHILDHOOD PROGRAM
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY
MECHANICAL GENERAL NOTES, SYMBOLS AND LEGEND

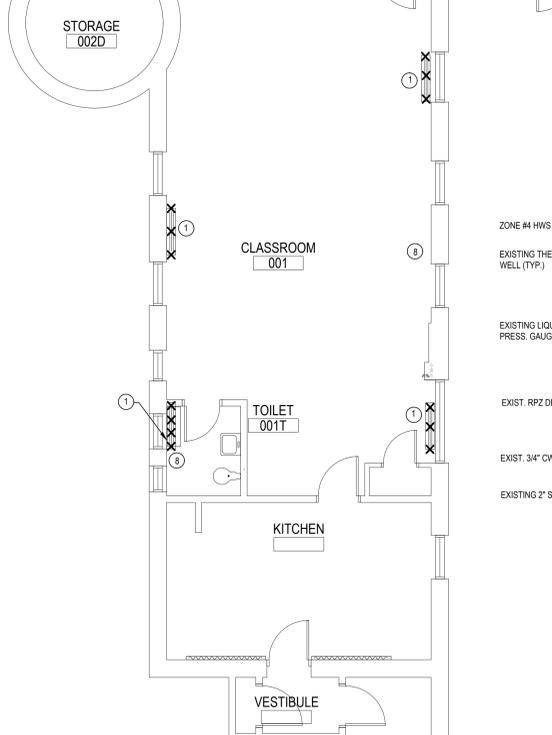
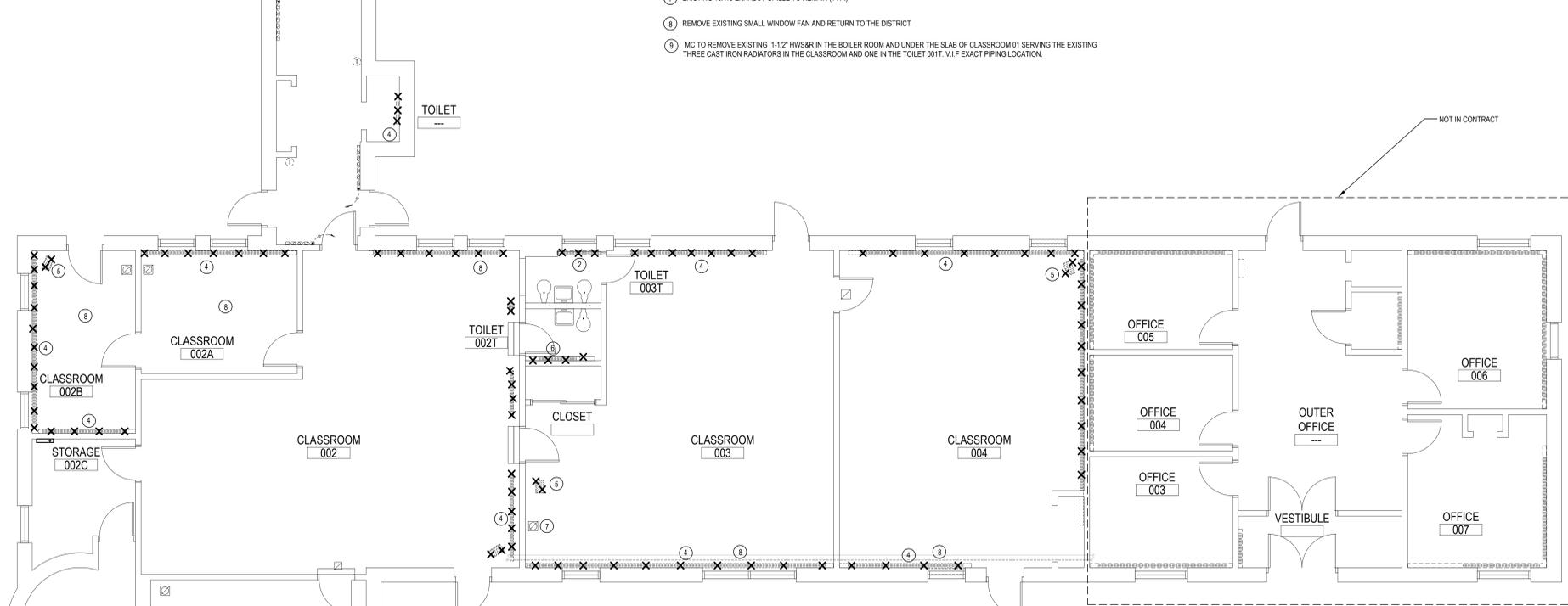
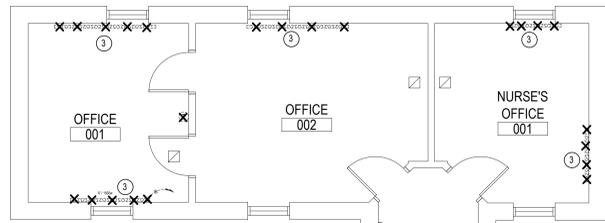
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 ENGINEERS
 244 EAST MAIN STREET | 187 WOLF ROAD, STE. 205
 PATCHOGUE | ALBANY
 NEW YORK 11772 | NEW YORK 12205
 T. 631.475.0349 | T. 518.621.7650
 F. 631.475.0361 | F. 518.621.7655
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SED No: 66-04-07-06-0-011-008
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS EARLY CHILDHOOD PROGRAM
 DWG TITLE: MECHANICAL GENERAL NOTES, SYMBOLS AND LEGEND
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-292

M0.01E OF ---



NOTES:

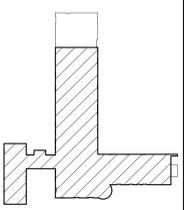
- 1 MC TO SHUT OFF EXIST. HWS & R. DISCONNECT AND REMOVE CAST IRON RADIATOR. REMOVE CONTROL VALVE AND PIPING CONNECTIONS. AFTER NEW PIPING IS INSTALLED UNDER THE SLAB AND IN BOILER ROOM. MC TO REINSTALL THE RADIATOR (SEE DWG M1.02E) BY RECONNECTING IT TO NEW HWS&R PIPING AND PROVIDING NEW CONTROLS. MC TO COORDINATE WORK WITH GC (TYP. FOR 4)
- 2 MC TO SHUT OFF HWS&R. CAP PIPING. DISCONNECT AND REMOVE EXISTING FIN TUBE RADIATOR AND ASSOCIATED CONTROLS FOR FUTURE USE. MC TO REINSTALL FIN TUBE RADIATORS AND CONTROLS BACK TO ORIGINAL LOCATION AFTER NEW WALL/FLOOR WORK IS DONE
- 3 MC TO REMOVE ELECTRIC BASEBOARD HEATERS AND ASSOCIATED CONTROLS.
- 4 MC TO SHUT OFF HWS&R. DISCONNECT AND REMOVE THE FIN TUBE RADIATORS. CAP PIPING BACK TO THE MAINS. GC TO PATCH FLOOR (WALL) TO MATCH EXISTING. MC TO REMOVE ASSOCIATED CONTROLS
- 5 MC TO REMOVE ELECTRIC UNIT HEATER AND CONTROL WIRING. GC TO PATCH WALL TO MATCH EXISTING. MC TO COORDINATE WORK WITH GC AND EC
- 6 MC TO SHUT OFF HWS&R. DISCONNECT AND REMOVE THE FIN TUBE RADIATOR FOR FUTURE USE. CAP PIPING BACK TO THE MAINS. GC TO PATCH FLOOR (WALL) TO MATCH EXISTING. MC TO REMOVE ASSOCIATED CONTROLS. SEE MECHANICAL NEW 1ST FLOOR PLAN FOR FIN TUBE RADIATOR NEW LOCATION
- 7 EXISTING 10X10 EXHAUST GRILLE TO REMAIN (TYP.)
- 8 REMOVE EXISTING SMALL WINDOW FAN AND RETURN TO THE DISTRICT
- 9 MC TO REMOVE EXISTING 1-1/2" HWS&R IN THE BOILER ROOM AND UNDER THE SLAB OF CLASSROOM 01 SERVING THE EXISTING THREE CAST IRON RADIATORS IN THE CLASSROOM AND ONE IN THE TOILET 001T. V.I.F. EXACT PIPING LOCATION.

EXISTING ZONES

- ⚠ ZONE #1: EXISTING PUMP: P-1, TACO #00234E ECM HIGH EFFICIENCY VARIABLE SPEED SERVES HW PIPING LOOP FOR ZONE#1 (CLASSROOM #001& TOILET) TO REMAIN. (V.I.F.)
- ⚠ ZONE #2: EXISTING PUMP: P-2, TACO #00234E ECM HIGH EFFICIENCY VARIABLE SPEED SERVES HW PIPING LOOP FOR ZONE #2 (CLASSROOM #02, #002A AND #02B) TO REMAIN (V.I.F.)
- ⚠ ZONE #3: EXISTING PUMP: P-3, TACO #00234E ECM HIGH EFFICIENCY VARIABLE SPEED SERVES HW PIPING LOOP FOR ZONE #3 (CLASSROOM #3, #4 AND TOILETS). TO REMAIN (V.I.F.)
- ⚠ ZONE #4: EXISTING PUMP: P-4, TACO #00269 ECM HIGH EFFICIENCY VARIABLE SPEED SERVES HW PIPING LOOP FOR ZONE #4 (OFFICES #03 THRU #007) TO REMAIN. (V.I.F.) (NOT PART OF THE CONTRACT)

REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

PROJECT: GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 EARLY CHILDHOOD PROGRAM
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE: MECHANICAL DEMOLITION 1ST FLOOR PLAN

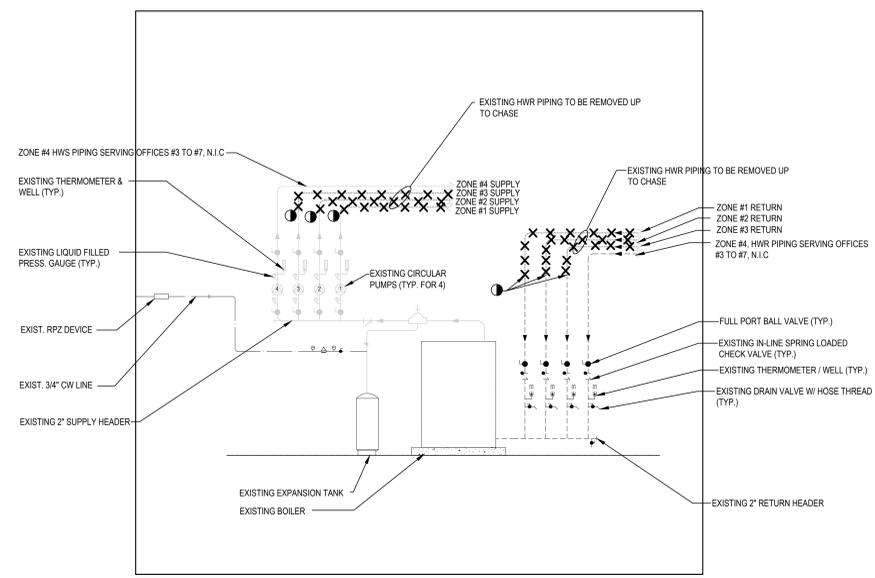
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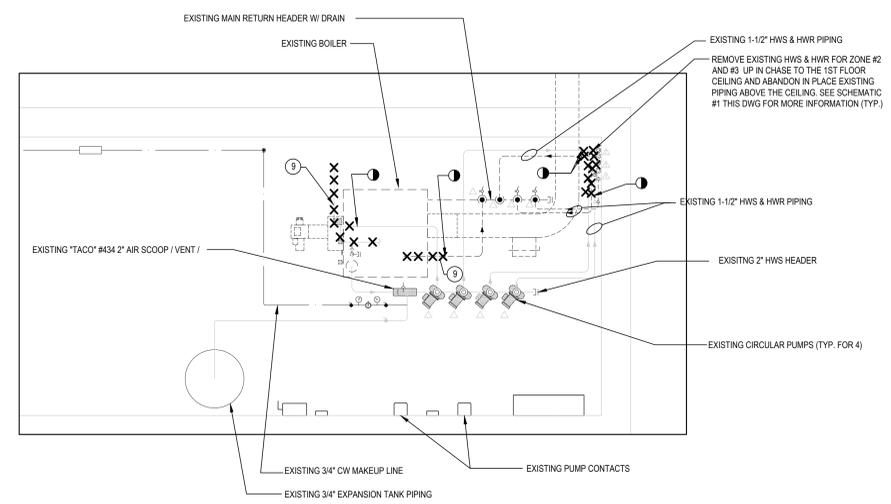
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 PATCHOGUE, NY 11772 | ALBANY, NY 12205
 NEW YORK 518.221.1722 | NEW YORK 518.221.1725
 T. 518.475.0349 | T. 518.421.7650
 F. 518.475.0561 | F. 518.421.7655
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SED No: 66-04-07-06-0-11-008
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS EARLY CHILDHOOD PROGRAM
 DWG TITLE: MECHANICAL DEMOLITION 1ST FLOOR PLAN
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-292

M1.01E OF ---



SCHEMATIC #1
 NOT TO SCALE



BOILER ROOM - DEMOLITION FLOOR PLAN
 SCALE: 1/2" = 1'-0"

UNIT VENTILATOR SCHEDULE

(MAGIC AIR AS STANDARD)

Manufacturer	MagicAire	MagicAire
Performance Details	MAUVF3	MAUVF2
Arrangement	Vertical Floor Mounted	Vertical Floor Mounted
Base Unit Size	MAUV-3	MAUV-2
Tag	UV-1, UV-2 & UV-3	UV-4
Quantity	3	1
Altitude	0	0
Configuration	4 Pipe	4 Pipe
Nominal Airflow (CFM)	1000	750
OA (CFM)	UV-3 = 280, UV-1 & 2 = 315	UV-4=250
External Static Pressure ESP (IWG)	0.1	0.1

Heating Coil	2 Row Hot Water Coil - Left Hand	2 Row Hot Water Coil - Left Hand
Rows	2	2
EAT Dry Bulb (F)	47	47
LAT Dry Bulb (F)	100.93	101.16
Total Capacity (BTU/hr)	60659	46227
EWT (F)	180	180
LWT (F)	148.86	152.88
GPM	4	3.5
WPD (ft w.g.)	1.516	0.963
Heating Fluid	Water	Water

Electrical Data	ECM	ECM
Voltage 1 (V1)	120	120
Phase	1	1
Frequency	60	60
Motor HP	1/3	1/3
Motor FLA (at V1)	4	3.7
Unit MCA (at V1)	5	4.6
Unit MOPD (at V1)	15	15
LOUVER SIZE	48"x10"	34"x10"

- NOTES:**
- All temperature controls to be field supplied and installed by ATC contractor.
 - Architect to select unit color from vendor color chart.
 - MC to coordinate pipe hand connections with vendor.
 - Provide MERV 13 filters
5. REFER TO ATC SPECIFICATION SECTION 15903 FOR FURTHER DETAILS REGARDING UNIT TEMPERATURE CONTROLS. REFER TO DWGS. #M6.02 FOR PIPING / INSTALLATION DETAILS. PROVIDE NEW CLEAR ANODIZED LOUVER.
6. CONTROLS SUBCONTRACTOR, UNDER CONTRACT TO MECHANICAL CONTRACTOR
7. PROVIDE NEW CLEAR ANODIZED ON LOUVER.

CABINET UNIT HEATER SCHEDULE

(STERLING AS STANDARD)

CABINET UNIT HEATER SUBMITTAL DATA
Floor Mounted Units - Models F and FI - With Top Discharge
 PIPING AND MOUNTING CONNECTIONS SHOWN ARE TYPICAL FOR ALL AIR FLOW ARRANGEMENTS SEE OTHER SIDE.

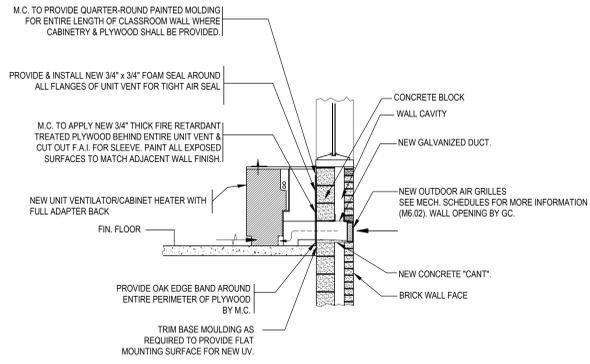
STERLING COMMERCIAL HYDRONIC PRODUCTS
 260 NORTH ELM STREET / WESTFIELD, MA 01085
 TEL: (413) 568-9571 FAX: (413) 562-8437
 www.sterlingheat.com

A MESTEK COMPANY

CABINET UNIT HEATERS
 RATINGS AND SPECIFICATIONS

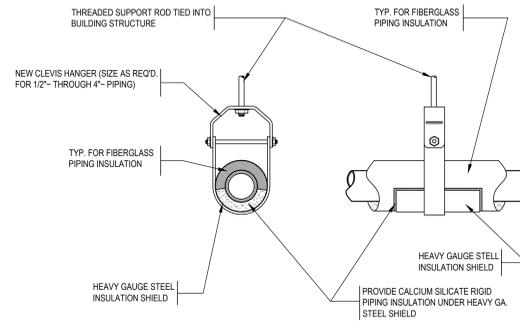
ENTERING WATER: 200°F
 ENTERING AIR: 60°F

UNIT SIZE	02	03	04	06	08	10	12	14
Heating Coil - 1/2" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/8" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/4" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/16" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/8" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/32" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/16" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/64" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/32" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/64" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/64" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/128" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/64" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/128" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/256" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/256" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/512" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/512" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/1024" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/1024" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/2048" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/2048" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/4096" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/4096" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/8192" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/8192" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/16384" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/16384" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/32768" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/32768" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/65536" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/65536" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/131072" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/131072" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/262144" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/262144" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/524288" LWT	100	125	150	200	250	300	350	400
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Heating Coil - 1/1048576" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/1048576" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/2097152" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/2097152" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/4194304" LWT	100	125	150	200	250	300	350	400
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Heating Coil - 1/8388608" LWT	100	125	150	200	250	300	350	400
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Heating Coil - 1/1073741824" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/1073741824" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/2147483648" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/2147483648" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/4294967296" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/4294967296" LWT	100	125	150	200	250	300	350	400
Heating Coil - 1/8589934592" LWT	100	125	150	200	250	300	350	400
Heating Coil - 3/8589934592" LWT	100	125	150	200	250	300	350	400
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Heating Coil - 3/17179869184" LWT	100	125	150	200	250	300	350	400
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Heating Coil - 3/34359738368" LWT	100	125	150	200	250	300	350	400
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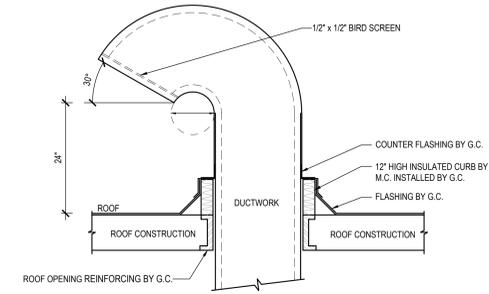
UNIT VENTILATOR/CABINET HEATER FRESH AIR INTAKE-MASONRY WALL INSTALLATION DETAIL

SCALE: NOT TO SCALE



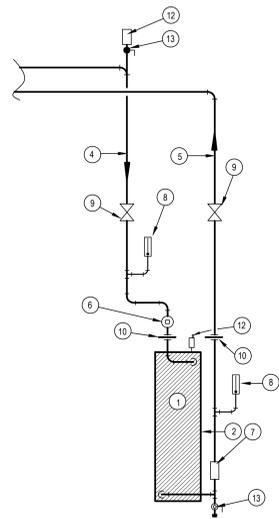
CLEVIS HANGER PIPING SUPPORTS DETAIL

SCALE: NOT TO SCALE



FRESH AIR INTAKE GOOSENECK DETAIL

SCALE: NOT TO SCALE



FACE & BYPASS UNIT VENTILATOR HOT WATER COIL PIPING DETAIL

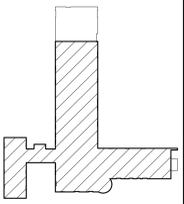
SCALE: NOT TO SCALE

LEGEND

- ① HOT WATER COIL
- ② DIRECTION OF AIR FLOW
- ④ HOT WATER SUPPLY PIPING
- ⑤ HOT WATER RETURN PIPING
- ⑥ BALANCING VALVE
- ⑦ FLOW INDICATOR
- ⑧ THERMOMETER & WELL
- ⑨ GATE VALVE
- ⑩ PIPING UNION
- ⑪ DRAIN VALVE
- ⑫ AUTOMATIC AIR VENT
- ⑬ FULL PORT BALL VALVE

REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 EARLY CHILDHOOD PROGRAM
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 MECHANICAL DETAILS

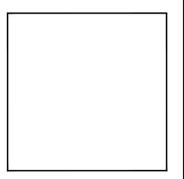
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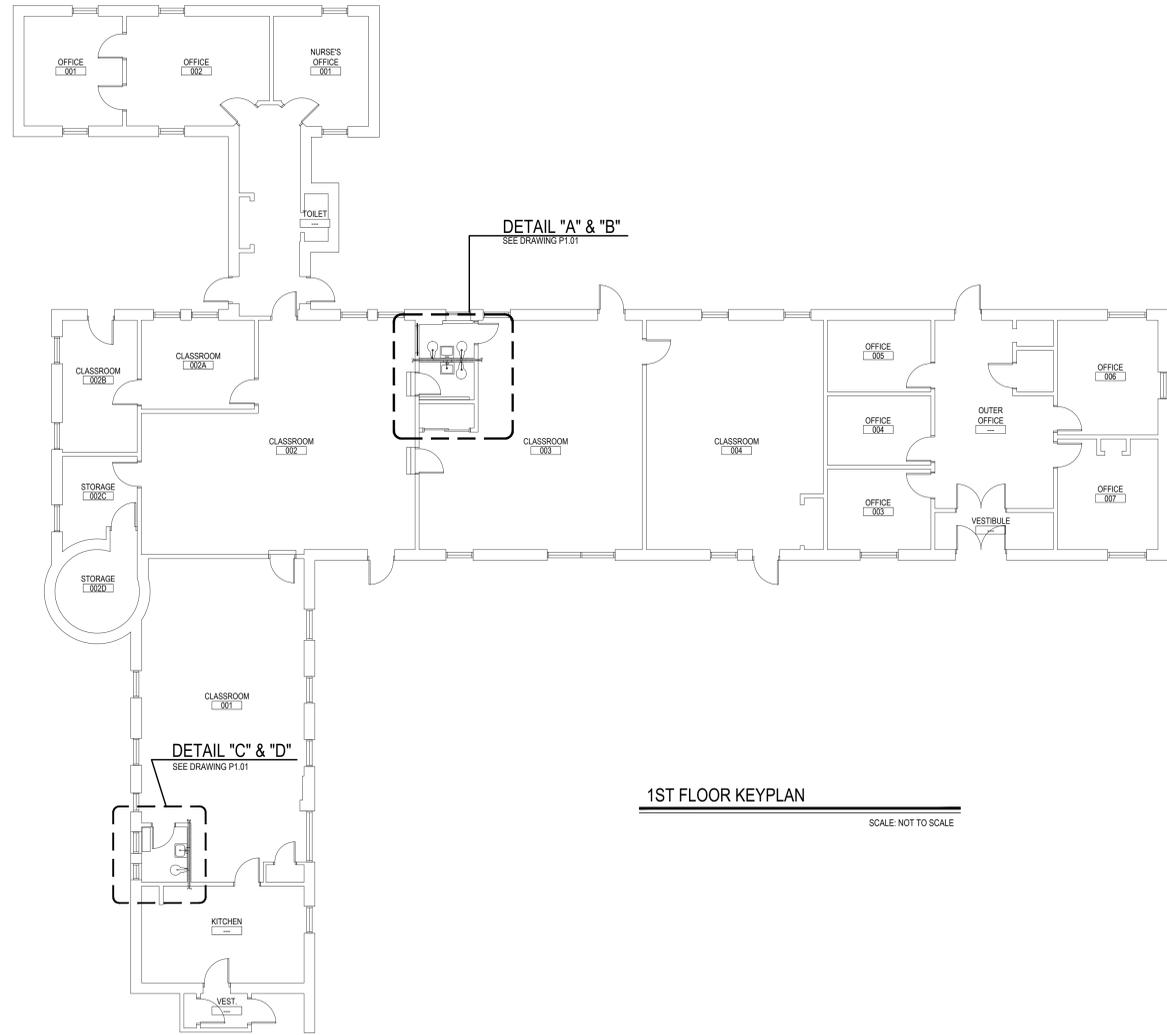
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 PATCHOGUE | ALBANY
 NEW YORK 11772 | NEW YORK 12205
 T. 631.475.0349 | T. 518.621.7650
 F. 631.475.0561 | F. 518.621.7655

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SED No: 66-04-07-06-011-008
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - DW CAP IMPROVEMENTS
 EARLY CHILDHOOD PROGRAM
 DWG TITLE: MECHANICAL
 DETAILS
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-292



PLUMBING FIXTURE SCHEDULE

ITEM No.	FIXTURE	TRAP	VENT	COLD WATER	HOT WATER	TEMPERED WATER	DESCRIPTION
P-1 (HC)	WATER CLOSET PHYSICALLY HANDICAPPED (CHILDREN)	4"	2"	1"	—	—	FURNISH AND INSTALL AMERICAN STANDARD MADERA YOUTH FLOWISE, 14" HEIGHT, ELONGATED BOWL, NO. 2599.001, TOP SPLUD, FLOOR MOUNTED. THE TOP OF WATER CLOSET SEAT SHALL BE 15" ABOVE FINISHED FLOOR FOR HANDICAPPED ACCESSIBILITY. PROVIDE AND INSTALL AMERICAN STANDARD BATTERY POWERED AND SENSOR OPERATED SELECTRONIC FLUSHOMETER MODEL 6065.121.002 LOW CONSUMPTION (1.28 G.P.F.) AND ALL NECESSARY SUPPORTS AND CONNECTIONS. FURNISH SEAT, HEAVY DUTY OPEN FRONT LESS COVER, MODEL 5901, COLOR TO BE WHITE.
P-1	WATER CLOSET (CHILDREN)	4"	2"	1"	—	—	FURNISH AND INSTALL AMERICAN STANDARD MADERA YOUTH FLOWISE, 14" HEIGHT, ELONGATED BOWL, NO. 2599.001, TOP SPLUD, FLOOR MOUNTED. PROVIDE AND INSTALL AMERICAN STANDARD BATTERY POWERED AND SENSOR OPERATED SELECTRONIC FLUSHOMETER MODEL 6065.121.002 LOW CONSUMPTION (1.28 G.P.F.) AND ALL NECESSARY SUPPORTS AND CONNECTIONS. FURNISH SEAT, HEAVY DUTY OPEN FRONT LESS COVER, MODEL 5901, COLOR TO BE WHITE.
P-2 (HC)	LAVATORY PHYSICALLY HANDICAPPED (CHILDREN)	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	FURNISH AND INSTALL AMERICAN STANDARD LUCERNE WHITE VITREOUS CHINA WALL HUNG LAVATORY MODEL 0355.012 WITH FRONT OVERFLOW, FAUCET LEDGE, "D" SHAPED BOWL, SELF-DRAINAGE DECK AREA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS AND BRACKET SUPPORT. RIM OF LAVATORY SHALL BE 30" ABOVE FINISHED FLOOR FOR HANDICAPPED ACCESSIBILITY. FURNISH AND INSTALL WITH AMERICAN STANDARD INNSBROOK SELECTRONIC ELECTRONIC PROXIMITY LAVATORY FAUCET MODEL 6063.205 BATTERY POWERED FAUCET (0.5 GPM) WITH AMERICAN STANDARD MODEL 606XTM/1070 THERMOSTATIC MIXING VALVE, GRID STRAINER AND TRUEBRO MODEL 2018-AS-L LAV SHIELD ENCLOSURE. FURNISH AND INSTALL LAVATORY WITH ZURN MODEL 21231-EZ CONCEALED ARM CARRIER.
P-2	LAVATORY (CHILDREN)	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	FURNISH AND INSTALL AMERICAN STANDARD LUCERNE WHITE VITREOUS CHINA WALL HUNG LAVATORY MODEL 0355.012 WITH FRONT OVERFLOW, FAUCET LEDGE, "D" SHAPED BOWL, SELF-DRAINAGE DECK AREA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS AND BRACKET SUPPORT. RIM OF LAVATORY SHALL BE 30" ABOVE FINISHED FLOOR FOR HANDICAPPED ACCESSIBILITY. FURNISH AND INSTALL WITH AMERICAN STANDARD INNSBROOK SELECTRONIC ELECTRONIC PROXIMITY LAVATORY FAUCET MODEL 6063.205 BATTERY POWERED FAUCET (0.5 GPM) WITH AMERICAN STANDARD MODEL 606XTM/1070 THERMOSTATIC MIXING VALVE, GRID STRAINER AND TRUEBRO MODEL 2018-AS-L LAV SHIELD ENCLOSURE. FURNISH AND INSTALL LAVATORY WITH ZURN MODEL 21231-EZ CONCEALED ARM CARRIER.

PLUMBING NOTES

- DEMOLITION**
- PLUMBING CONTRACTOR TO SHUT-OFF & DISCONNECT HOT & COLD WATER SUPPLIES, SANITARY WASTE LINES & VENT PIPING. GENERAL CONTRACTOR TO REMOVE ALL PLUMBING FIXTURES AS INDICATED ON DRAWINGS.
 - ALL HOT WATER, COLD WATER, SANITARY & VENT PIPING TO EXISTING PLUMBING FIXTURES SHALL BE COMPLETELY REMOVED BACK AS INDICATED ON DRAWINGS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY PIPE INSULATION.
- NEW WORK**
- PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL NEW FIXTURES AS SHOWN IN PLUMBING FIXTURE SCHEDULE.
 - PLUMBING CONTRACTOR SHALL INSTALL NEW PIPING WITH CONNECTIONS TO MAIN PIPING FOR EACH NEW FIXTURE.
 - PLUMBING CONTRACTOR SHALL CONNECT NEW VENT PIPING TO EXISTING VENTS OR NEW VENTS.
 - SEE GENERAL NOTES AND PLUMBING SPECIFICATIONS SECTION 15A FOR MORE DETAIL.
 - DEMOLITION AND RECONSTRUCTION OF PLUMBING WALLS BY GENERAL CONTRACTOR. PLUMBING CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR.
 - IN ALL INSTANCES WHERE NEW FIXTURES ARE PROPOSED THE PLUMBING CONTRACTOR SHALL PERFORM ALL DEMOLITION REQUIRED FOR REMOVAL OF EXISTING FIXTURE CARRIERS AND INSTALL NEW FIXTURE CARRIERS. GENERAL CONTRACTOR SHALL THEN BUILD OR PATCH WALLS AS REQUIRED, INCLUDING NEW TILE FINISHES. UPON COMPLETION OF MASONRY / TILE THE PLUMBING CONTRACTOR SHALL INSTALL NEW FIXTURES PER SPECIFICATIONS.
 - REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONAL LOCATIONS OF NEW PLUMBING FIXTURES.

LEAD-FREE FIXTURE COMPLIANCE NOTE

- EPA 67.4 NOTE:**
- THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL NEW AND/OR REPLACEMENT PLUMBING FIXTURES. THE RESPECTIVE FIXTURES MUST ADHERE TO THE "LEAD-FREE" DIVISION 15A SPECIFICATIONS OUTLINING THE INSTALLATION MEANS AND METHODS AS WELL AS THE FIXTURE ITSELF BEING "LEAD-FREE." THE CONTRACTOR SHALL PROVIDE THE REQUIRED SUBMITTALS FOR ALL FIXTURES AND BUILDING MATERIALS PRIOR TO THE FIXTURE INSTALLATION, AND CONFIRM ON THE JOBSITE THAT THE FIXTURE ADHERES TO "LEAD-FREE" REGULATIONS.
 - FOLLOWING THE POTABLE FIXTURE INSTALLATION, THE P.C. SHALL REMOVE ALL FILTERS AND STRAINERS AND FLUSH THE FIXTURE OF DEBRIS FROM THE SYSTEM.
 - FOLLOWING THE COMPLETION OF THE P.C. WORK SCOPE, THE OWNER SHALL HAVE THE WATER CONDITIONS TESTED FOR LEAD CONTAMINANTS BY A THIRD-PARTY TESTING FIRM TO REGULATION 67.4 OF THE DEPARTMENT OF HEALTH REGULATIONS AS PART OF SECTION 1417 OF THE FEDERAL SAFE WATER ACT TO DETERMINE THEM AS "LEAD-FREE" COMPLIANT, AND NYSED GUIDELINES OF LESS THAN 15PPB.
 - IF A FIXTURE DOES NOT COMPLY WITH SUB-PART REGULATION 67.4 OF THE DOH SECTION 1417 OF THE FEDERAL SAFE WATER ACT, THE P.C. SHALL PROVIDE A REPLACEMENT FIXTURE AT NO ADDITIONAL COST, TO THEN REPEAT THE INSTALLATION AND TESTING REQUIREMENTS. THE P.C. SHALL ABSORB THE FEE FOR THE FIRST LEAD TESTING PROCEDURE AS WELL AS THE FOLLOWING CONFIRMATION PROCEDURES AT NO ADDITIONAL COST TO THE OWNER.

LEGEND

— — — —	CW - COLD WATER LINE
— · — · — ·	HW - HOT WATER LINE
— SW —	SW - SANITARY WASTE LINE
--- ST ---	ST - STORM DRAIN
— · — · — ·	HWR - HOT WATER RETURN
--- V ---	V - VENT LINE
— TW —	TW - TEMPERED WATER LINE
— G —	GAS LINE PIPING
X X X X X	DEMO PIPE
— II —	CLEAN OUT IN HUNG CEILING
DPCO	DECK PLATE CLEAN OUT
WPPO	WALL PLATE CLEAN OUT
●	BALL VALVE
⊕	POINT OF CONNECTION
○ UP	PIPE RUNNING UP
○ DN	PIPE RUNNING DOWN
●	NEW GAS COCK IN PIPING

GENERAL NOTES

- PLUMBING CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID AND PERFORM ALL INVESTIGATION WORK BEFORE SUBMITTING A BID ON THE PLUMBING WORK.
- CONNECT ALL HOT WATER, COLD WATER, VENT, AND WASTE PIPING AS REQUIRED INCLUDING PIPING, VALVES, TAPS, ESCUTCHEONS, SLEEVES, ACCESS DOORS, CLEANOUTS, PIPE HANGERS, INSULATION, ETC.
- PROVIDE AND INSTALL PLUMBING FIXTURES INCLUDING ALL CUTTING AND PATCHING AS REQUIRED INCLUDING WASTE, VENT, AND WATER SUPPLY CONNECTIONS AND FITTINGS (ALL TRAPS TO HAVE CLEANOUTS).
- ALL WORK SHALL BE IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING RELATED FEES.
- PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO CONSTRUCTION.
- INTERIOR DOMESTIC WATER PIPING SHALL BE TYPE "1" COPPER. UNDERGROUND DOMESTIC WATER PIPING SHALL BE TYPE "1" COPPER FOR UP TO 2" AND DUCTILE IRON OVER 2". WASTE PIPING SHALL BE SERVICE WEIGHT CAST IRON SOIL PIPE, HUB AND SPIGOT UNDERGROUND, AND NO HUB INSIDE BUILDING. STORM DRAIN PIPING SHALL BE NO HUB CAST IRON SOIL PIPE INSIDE BUILDING. VENT PIPING SHALL BE NO HUB CAST IRON.
- PIPE INSULATION SHALL BE AS FOLLOWS:

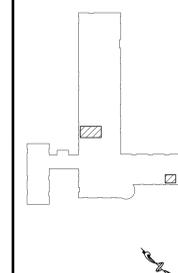
FLUID	MINIMUM PIPE INSULATION SCHEDULE	
	LESS THAN 1-1/2"	GREATER THAN 1-1/2"
TEMPERED WATER	1-1/2"	2"
COLD WATER	1-1/2"	1-1/2"
HOT WATER	1-1/2"	2"
- ALL WORK SHALL BE PROPERLY TESTED AND CLEANED. PROVIDE ONE YEAR WARRANTY FROM DATE OF ACCEPTED COMPLETION ON ALL PARTS AND LABOR.
- ALL EXPOSED METALWORK ON PLUMBING FIXTURES SHALL BE CHROME PLATED.
- PROVIDE SHUTOFF VALVE ON WATER SUPPLY BRANCH TO EACH INDIVIDUAL FIXTURE IN AN ACCESSIBLE LOCATION.
- ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- WHERE DISSIMILAR METALS ARE CONNECTED, PROVIDE AN APPROVED MAKE OF NON-GALVANIC ISOLATOR, DIELECTRIC UNION OR FLANGES.
- PROVIDE AND INSTALL BOLT CAPS ON ALL TOILETS.
- RUN LOCAL HORIZONTAL DRAINAGE PIPING AT A GRADE OF 1/4-INCH PER FOOT WHEREVER POSSIBLE, BUT NO LESS THAN 1/8-INCH PER FOOT. HOUSE DRAINS AT 1/8-INCH PER FOOT UNLESS OTHERWISE NOTED AND OUTSIDE UNDERGROUND DRAINAGE PIPING AS INDICATED OR REQUIRED BY CODE.
- RUN VENT PIPING WITH LONG TURN ELBOWS AT CHANGES IN DIRECTION, GRADE TO DRAIN OUT CONDENSATION, AND CONNECT AT BASE TO PREVENT ACCUMULATION OF RUST.
- PROVIDE CLEANOUTS (FULL SIZE UP TO 4-INCHES AND AT LEAST HALF-SIZE FOR LARGER PIPES WITH 4-INCH MINIMUM), WHERE INDICATED, APPROXIMATELY EVERY 50 FEET ON HORIZONTAL DRAINAGE PIPING, AT CHANGES IN DIRECTION, AT BASE OF LEADERS, SOIL, AND WASTE STACKS, AND AS REQUIRED BY CODE.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORE DRILLING THRU WALLS, FLOORS AND CUTTING & PATCHING AS REQUIRED TO FACILITATE INSTALLATION OF PIPES AND PLUMBING FIXTURES.
- PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NEW VENTS FROM FIXTURES UP TO ROOF AS SHOWN.
- ALL FLOOR TRAPS SHALL BE INSTALLED WITH PRIMER TAPPING FOR WATER CONNECTION TO TRAP.
- P.C. SHALL PROVIDE AND INSTALL PIPE INSULATION ON ALL DOMESTIC COLD WATER SUPPLY, HOT WATER SUPPLY, HOT WATER SUPPLY (RECIRCULATION LINE) AND ROOF DRAIN PIPING THAT IS EXPOSED ABOVE CEILINGS OR IN CRAWL SPACE AND PIPE CHASES.

FIRE STOP NOTES

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

REV.	DATE	ITEM

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PROJECT
GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
EARLY CHILDHOOD PROGRAM
HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
PLUMBING GENERAL NOTES, SCHEDULE AND KEY PLAN

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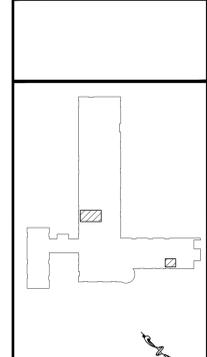
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DISTRICT: GREENBURGH CSD
PROJECT: PH. I - DW CAP IMPROVEMENTS EARLY CHILDHOOD PROGRAM
DWG TITLE: PLUMBING GENERAL NOTES, SCHEDULE AND KEY PLAN
SCALE: AS NOTED
DATE: MAY 2022
BID PICK-UP: MAY 27, 2022
FILE No: 21-292

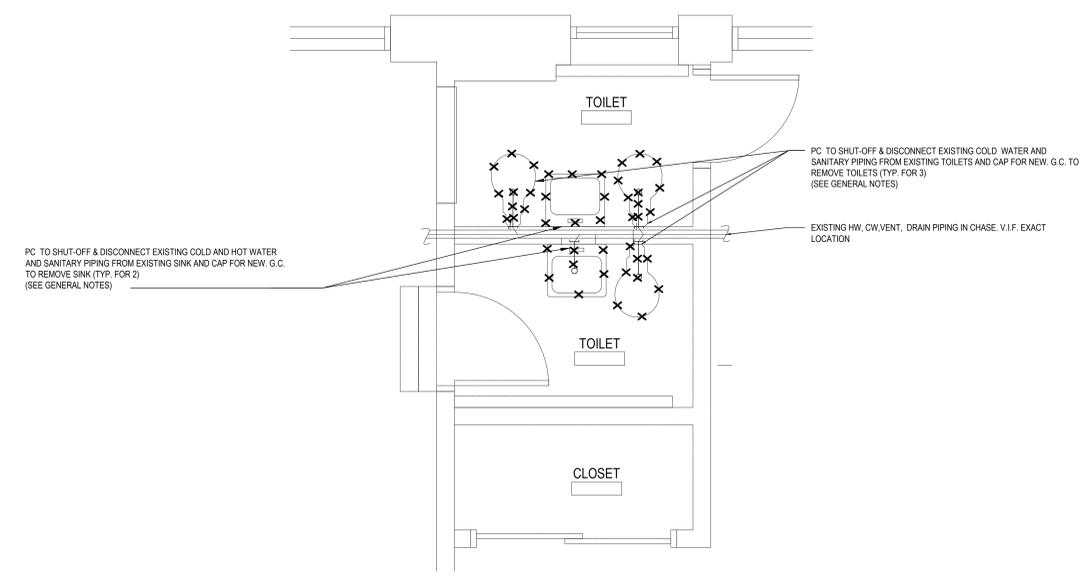
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REV.	DATE	ITEM

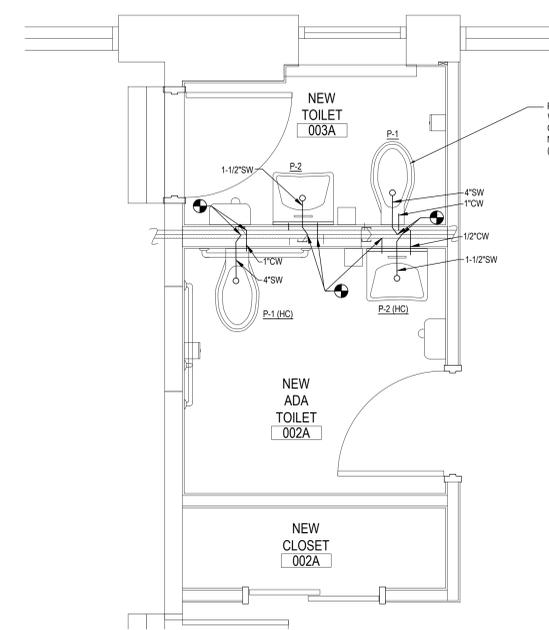
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KEY PLAN
 NOT TO SCALE

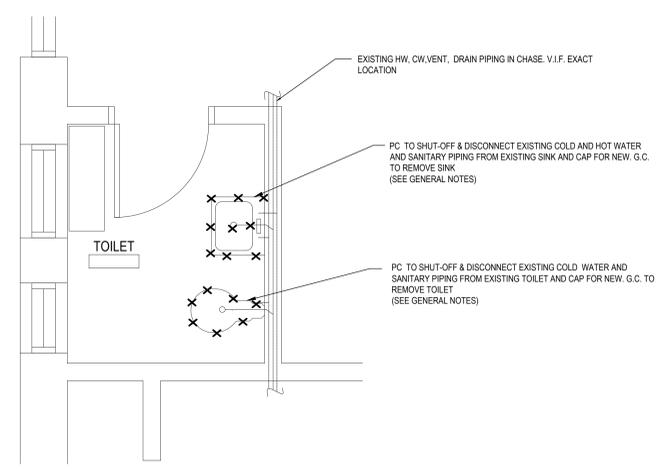


DETAIL "A" - PLUMBING DEMOLITION 1ST FLOOR TOILETS PLAN
 SCALE: 1/2"=1'-0"

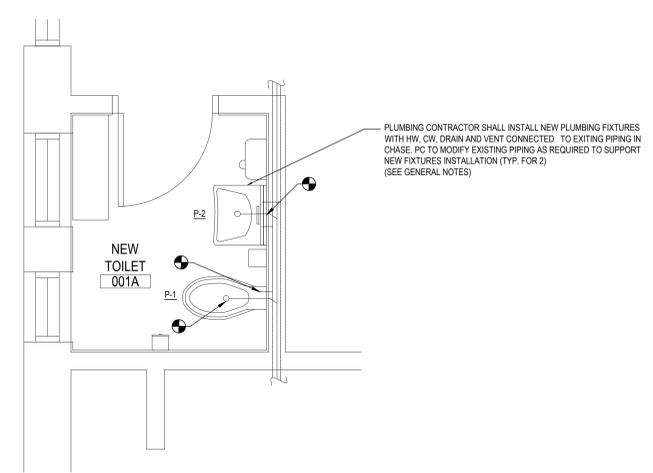


DETAIL "B" - PLUMBING NEW 1ST FLOOR TOILETS PLAN
 SCALE: 1/2"=1'-0"

- PLUMBING CONTRACTOR NOTES:**
1. PC TO FIELD VERIFY EXACT LOCATION OF EXISTING MAIN SEWAGE/VENT AND HOT/COLD WATER PIPES IN CHASE.
 2. PLUMBING CONTRACTOR TO SHUT-OFF & DISCONNECT HOT & COLD WATER SUPPLIES, SANITARY WASTE LINES, VENT LINES.
 3. ALL EXISTING SANITARY, COLD AND HOT WATER PIPING NOT REUSED OR MODIFIED FOR REUSE ARE TO BE CAPPED AND SAFED OFF FLUSH WITH WALLS/FLOORS BY PC.
 4. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONAL LOCATIONS OF NEW PLUMBING FIXTURES.
 5. SEE PLUMBING FIXTURE SCHEDULE ON DWG. P.01 FOR MORE INFORMATION ABOUT PLUMBING FIXTURES.
- GENERAL CONTRACTOR NOTES:**
1. GENERAL CONTRACTOR TO REMOVE ALL PLUMBING FIXTURES.
 2. G.C. SHALL SAW CUT EXISTING FLOOR SLAB TO ACCOMMODATE NEW PLUMBING WORK. G.C. TO PATCH FLOOR, RETILE AND COORDINATE WITH P.C. PRIOR TO DEMOLITION.
 3. G.C. TO PATCH WALL AS REQUIRED AND RETILE.



DETAIL "C" - PLUMBING DEMOLITION 1ST FLOOR TOILETS PLAN
 SCALE: 1/2"=1'-0"



DETAIL "D" - PLUMBING NEW 1ST FLOOR TOILETS PLAN
 SCALE: 1/2"=1'-0"

PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
 EARLY CHILDHOOD PROGRAM
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

DWG TITLE
 PLUMBING DEMOLITION AND NEW PART PLANS
 AND DETAILS

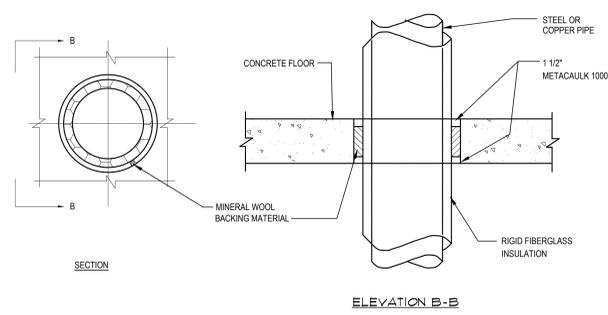
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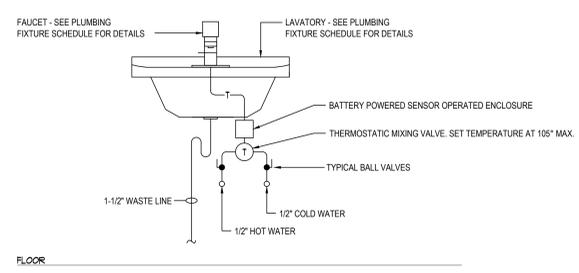
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 F. 631.475.0361 | F. 518.621.7655

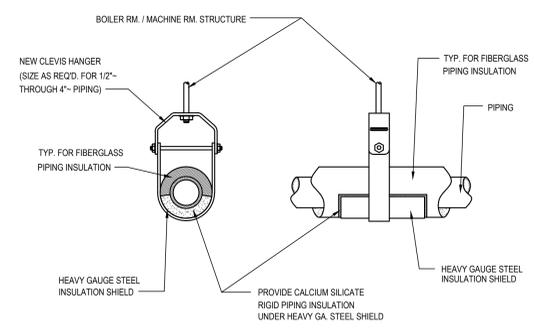
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PIPING FLOOR PENETRATION DETAIL
 SCALE: NOT TO SCALE



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 SCALE: NOT TO SCALE

SED No: 66-04-07-06-0-011-008
 DISTRICT: GREENBURGH CSD
 PROJECT: PH I - CW CAP. IMPROVEMENTS
 EARLY CHILDHOOD PROGRAM
 DWG TITLE: PLUMBING DEMOLITION AND
 NEW PART PLAN AND DETAILS
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-292

GENERAL CONSTRUCTION NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEC, APPLICABLE LOCAL CODES, STATE CODES, SCHOOL WORKING RULES AND SCHEDULE DIRECTIVES, AND THE ENGINEERS SPECIFICATIONS.
- THE VOLTAGE CHARACTERISTIC OF THIS SCHOOL IS 120/208VAC, 4 WIRE, 3PH, GROUND NEUTRAL, WYE. ALL EQUIPMENT SHALL BE COMPATIBLE WITH THESE CHARACTERISTICS.
- THE DRAWINGS SHOW SCHEMATICALLY, THE APPROXIMATE LOCATION OF ALL EQUIPMENT, CONDUITS, DEVICES, ETC. THE EXACT LOCATION OF WHICH SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/OWNER WHO RESERVES THE RIGHT TO MAKE PRIOR TO INSTALLATION, ANY REASONABLE CHANGES IN LOCATION INDICATED WITHOUT EXTRA COST TO THE OWNER. CONTRACTOR SHALL VERIFY ALL INDICATED OR APPROXIMATE DIMENSIONS DRAWN OR NOTED.
- DIVISION 16 CONTRACTOR SHALL EXAMINE THE SITE TO VERIFY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING HIS BID. ANY DISCREPANCY BETWEEN DRAWINGS/SPECIFICATIONS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO ARCHITECT/ENGINEERS ATTENTION BEFORE BID SUBMITTAL. ANY FIELD CONDITION FOUND AFTER BID APPROVAL, WHICH HAMPERS AND/OR PREVENTS ANY WORK TO BE PERFORMED AS SHOWN ON DRAWINGS AND SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE DIVISION 16 CONTRACTOR. THE DIVISION 16 CONTRACTOR SHALL BID THE HIGHER SPECIFICATION FOR ANY DISCREPANCY BETWEEN DRAWINGS AND SPECIFICATIONS.
- DIVISION 16 CONTRACTOR SHALL PROVIDE ALL LABOR SERVICE MATERIALS, EQUIPMENT, AND RELATED ITEMS TO COMPLETE THE WORK OF THIS DIVISION, AS REQUIRED BY THE NATIONAL ELECTRIC CODE, AND ALL STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
- DIVISION 16 CONTRACTOR SHALL PROVIDE ALL ELECTRICAL HARDWARE SHOWN ON THESE DRAWINGS AND RELATED DETAIL MATERIALS NOT SPECIFICALLY SHOWN OR SPECIFIED. ALL NEW ELECTRICAL MATERIAL AND EQUIPMENT SHALL CONFORM TO THE STANDARDS AND BEAR THE INSPECTION LABEL OF THE UNDERWRITERS LABORATORIES AND SHALL BE APPROVED FOR USE BY ALL LOCAL AUTHORITIES HAVING JURISDICTION.
- THE DIVISION 16 CONTRACTOR SHALL REFER TO ALL OTHER DRAWINGS IN BID PACKAGE AND PERFORM THE WORK (INCLUDE IN HIS BID) INDICATED AS ELECTRICAL CONTRACTOR (E.C.) WORK. CONTRACTOR TO COORDINATE ALL LOCATIONS WITH GENERAL CONTRACTOR AND OTHER TRADES.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER. THE EC IS RESPONSIBLE TO INSTALL ALL MOTOR STARTERS AND ASSOCIATED POWER WIRING. THE LOCATIONS OF MOTOR STARTERS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD AND SUBMITTED TO THE ENGINEER FOR APPROVAL. ALL NEW ELECTRICAL MATERIAL ON DRAWINGS, THE EC SHALL REFER TO THE MECHANICAL EQUIPMENT SCHEDULES & NOTES AND INCLUDE IN HIS BID PRICE ALL ELECTRICAL WORK ASSOCIATED WITH THEIR INSTALLATION, AND THE REMOVAL OF ANY STARTERS/DISCONNECTS NO LONGER REQUIRED.
- ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND DIRECTIVES OF THE OWNER.
- ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL OBTAIN AN APPROVED ELECTRICAL INSPECTION CERTIFICATE FROM THE LOCAL AHJ AND PAY ASSOCIATED FEE. SUBMIT A PHOTO COPY OF THIS CERTIFICATE TO THE ENGINEER WITH FINAL PAYMENT APPLICATION. SUBMIT A COPY OF THIS CERTIFICATE TO THE OWNER.
- DIVISION 16 CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND THEIR INSTALLATION TO BE FREE OF DEFECTS FOR A PERIOD AS DEFINED IN THE PROJECT MANUAL.
- IF ADDITIONAL POLE POSITIONS ARE REQUIRED FOR NEW CIRCUITS IN EXISTING PANELS SERVICING RENOVATED AREAS, REMOVE (2) ADJACENT 1 POLE BREAKERS PERFORM AND INSTALL 3P, 60A BREAKER FOR SUB FEED TO A SURFACE MOUNTED 100A, 3PH, 1P POLE SUB PANEL AND ESTABLISH OVERFLOW CIRCUITS IN NEW SUB PANEL. EACH WITH A 1P, 20A BREAKER. PROVIDE (1) 20A BREAKER FOR DISCONNECTED CIRCUITS IN MAIN PANEL AND RECONNECT THEM IN SUB PANEL. SUB PANEL FEED TO BE 3P + 1Ø(N) + 1Ø(G) IN 1".
- IT IS EXPECTED THAT STRUCTURAL DEMOLITION BY THE GENERAL CONTRACTOR WILL CAUSE VARIOUS ELECTRIC SUPPLIES, OF VARIOUS VOLTAGES AND PURPOSES, TO BE CUT AND RENDER SOME DEVICES TEMPORARILY INACTIVE. IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO RECONSTRUCT AND RECONNECT SUCH ELECTRIC SOURCES WHEN THE NEW STRUCTURE IS BUILT. NOTE THAT MOST REINSTALLED ITEMS WILL BE IN DIFFERENT LOCATIONS FROM THE REMOVAL LOCATION. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL REQUIRED CIRCUIT EXTENSIONS OR MODIFICATIONS TO PROVIDE SERVICE TO A REINSTALLED ITEM AS RELOCATED. NOTE THAT THIS REQUIREMENT ALSO APPLIES TO THE ROOMS AND ELECTRICAL ITEMS WITHIN THAT ARE NOMINALLY NOT IN CONTRACT. SUCH RESTORATION OF SERVICE, IF NEEDED, IS SPECIFICALLY IN THE ELECTRICAL CONTRACTORS CONTRACT.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND POWER TO ALL TRADES FOR THE DURATION OF THE PROJECT. SERVICE SHALL BE SUPPLIED TO CONTRACTORS CONSTRUCTION TRAILERS WHERE SUCH IS REQUESTED. USE THE EXISTING POWER PANELS FOR SUCH SUPPLY. POWER COSTS WILL BE PAID BY THE OWNER. ALL CONSTRUCTION POWER RECEPTACLES SHALL BE GFI PROTECTED.
- IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO PROTECT ALL ELECTRICAL DEVICES FROM DAMAGES DURING CONSTRUCTION. THIS INCLUDES DEVICES WHICH ARE EITHER INDICATED TO REMAIN, AND/OR TO BE REMOVED AND REINSTALLED THROUGHOUT ALL CONSTRUCTION AREAS. DEVICES SHALL INCLUDE BUT WILL NOT BE LIMITED TO: SMOKE DETECTORS, EMERGENCY LIGHTS, EXIT SIGNS, OCCUPANCY SENSORS, SPEAKERS, LIGHT FIXTURES, SWITCHES, RECEPTACLE, ETC. IN THE EVENT OF DAMAGES INCURRED DUE TO CONSTRUCTION ACTIVITIES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ANY DAMAGED DEVICES AT NO ADDITIONAL COST TO OWNER.
- THE INDICATED SOURCE OF EXISTING CIRCUITS MAY NOT BE KNOWN OR HAS NOT BEEN VERIFIED. IT IS THE DIVISION 16 CONTRACTORS RESPONSIBILITY TO TRACE OUT, LOCATE AND VERIFY THE DISCONNECTING MEANS OF EXISTING CIRCUITS(S) TO BE IMPACTED BY THE WORK. SAFE OFF THE CIRCUIT(S) AS REQUIRED TO SAFELY PERFORM THE WORK, AND RE-ENERGIZE UPON COMPLETION. UPDATE PANEL DIRECTORIES UPON COMPLETION.
- WHERE EXISTING FIRE ALARM SYSTEMS ARE MODIFIED DURING THE COURSE OF THE PROJECT, PROVIDE OWNER WITH UPDATED COMPLETION RECORD DOCUMENTATION PER NFPA 72, ARTICLE 10.18. INCLUDE COPY OF UPDATED SITE SPECIFIC SOFTWARE. ANY ADDITIONAL DEVICES SHALL BE MAPPED INTO THE SYSTEM WITH THE APPROPRIATE ADDRESSES/LABELS.
- FURNISH AND INSTALL ALL INDICATED LIGHTING FIXTURES AND MOUNTING HARDWARE AS REQUIRED FOR A COMPLETE INSTALLATION. NOTE ALL LIGHT FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE. UTILIZING CEILING FRAMING ALONE IS NOT ACCEPTABLE. NEW LIGHTING FIXTURES (OTHER THAN THEATRICAL EQUIPMENT) SHALL NOT BE DAISY CHAINED. RE-USE OF AN EXISTING LIGHTING CKT INCLUDES HOME RUN WIRING OR WIRING UP TO THE SWITCH. ANY WIRING DOWNSTREAM OF THE SWITCH IS SUBJECT TO REPLACEMENT/REARRANGEMENT. EC SHALL ALLOW FOR THIS IN HIS BID PRICE.
- ALL WIRING TO BE #12-#1Ø(N)+#1Ø(G)-3Ø 34" EMT, OR STEEL JACKETED MC CABLE (WHERE CODE PERMITTED), UNLESS OTHERWISE SPECIFIED ON DRAWINGS. ALUMINUM JACKETED MC CABLE IS NOT ACCEPTABLE.
- RUN BRANCH CIRCUITS IN DROPPED CEILINGS, VOIDS, & CHASES. ALL DEVICES & CONDUITS ON NEW CONSTRUCTION MUST BE RECESSED. FOR EXISTING STRUCTURES, MECHANICAL/WORK SPACES-CONDUITS MAY BE SURFACE MOUNTED. EXISTING PUBLIC/FINISHED AREAS- CONDUITS SHALL BE CONCEALED WHEREVER POSSIBLE (IN HUNG CEILINGS, VOIDS/CHASSES, FLOOR BELOW OR BEHIND WALLS) ALL WIRING THAT CANNOT BE CONCEALED MUST BE RUN IN FINISHED SURFACE RACEWAY SUCH AS WIREMOLD. COLOR PER ARCHITECT. USE OF ADHESIVE IS PROHIBITED. SURFACE RACEWAY MUST BE SECURED USING MECHANICALLY FASTENED CLIPS.
- ANY LIGHT FIXTURES INSTALLED IN GYMNASIUMS OR OTHER AREAS SUBJECT TO IMPACT OR PHYSICAL DAMAGE SHALL BE MOUNTED WITH SAFETY CHAINS AND SECURED TO STRUCTURE.
- SEE SPEC. SECTION 16100 BASIC MATERIALS AND METHODS FOR COMPLETE NOTES ON INSTALLATION, MISCELLANEOUS MATERIALS AND ELECTRICAL DEVICES.

DEMOLITION NOTES

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

FIRE STOP NOTES

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

ABBREVIATIONS

SYMBOL	DESCRIPTION
A	AMPERAGE OR AMPS
AC	ALTERNATING CURRENT
ACT	ABOVE COUNTER TOP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BC	BELOW CEILING
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CEILING MOUNTED
DC	DIRECT CURRENT
DH	DOOR HOLDER
DISC	DISCONNECT
ELC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ETR	EXISTING TO REMAIN
EX	EXISTING
FA	FIRE ALARM
FMC	FLEXIBLE METAL CONDUIT
FT	FEET
GC	GENERAL CONTRACTOR
GFCL OFI	GROUND FAULT CIRCUIT INTERRUPTER
G. GND	GROUND
GHS	GALVANIZED RIGID STEEL
HD	HAND DRYER
IG	ISOLATED GROUND
IN	INCHES
KW	KILOWATTS
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MDB	MAIN DISTRIBUTION PANEL
MP	MANHOLE
MIN	MINIMUM
MLØ	MAIN LUG ONLY
MTD	MOUNTED
MTH	MOUNTING HEIGHT
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
PA	PUBLIC ADDRESS
PC	PLUMBING CONTRACTOR
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
REC	RECEPTACLE
REQ'D	REQUIRED
RL	RELOCATED
SCH	SCHEDULE
SM	SURFACE MOUNTED
SPD	SURGE PROTECTIVE DEVICE
SQ	SQUARE
SWBD	SWITCHBOARD
SWG	STEEL WIRE GUARD
TSP	TWISTED SHIELDED PAIR
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TYP	TYPICAL
UC	UNDER COUNTER
UG	UNDER GROUND
UTP	UNSHIELDED TWISTED PAIR
UV	UNTWISTED
V	VOLTAGE OR VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTAGE OR WATTS
WG	WIRE GUARD
WM	WALL MOUNTED
WP	WEATHER PROOF
XFMR	TRANSFORMER

FIRE ALARM SYMBOL LEGEND

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL. PROVIDE BUILDING SHATTERPROOF FRAMED SCHOOL GRAPHIC PAPER MAP WITHIN SIGHT OF PANEL.
RAP	REMOTE ANNUNCIATOR PANEL. PROVIDE BUILDING SHATTERPROOF FRAMED SCHOOL GRAPHIC PAPER MAP WITHIN SIGHT OF PANEL.
RCC	REMOTE COMMAND CENTER.
F	MANUAL PULL STATION WITH STI STOPPER PROTECTIVE SHIELD WITHOUT ALARM (OR SIMILAR).
☉ ₂₄	SMOKE DETECTOR WITH BASE. CO + SMOKE AND CARBON MONOXIDE COMBINATION DETECTOR. LED + REMOTE LED INDICATOR.
☉	DUCT DETECTOR WITH HOUSING AND REMOTE LED INDICATOR.
☉	CARBON MONOXIDE DETECTOR WITH SOUNDER BASE.
☉ ₂₄	HEAT DETECTOR. FIXED TEMPERATURE OF RISE UNLESS OTHERWISE NOTED. (NONE) + 135°F / 195°F
☉	WALL MOUNT SPEAKER / STROBE NOTIFICATION DEVICE. THE STROBE CANDELA IS 15 cd UNLESS OTHERWISE INDICATED ON DRAWING.
☉	WALL MOUNT SPEAKER NOTIFICATION DEVICE.
☉	WALL MOUNT STROBE NOTIFICATION DEVICE. THE STROBE CANDELA IS 15 cd UNLESS OTHERWISE INDICATED ON DRAWING.
☉	CEILING MOUNT SPEAKER / STROBE NOTIFICATION DEVICE. THE STROBE CANDELA IS 15 cd UNLESS OTHERWISE INDICATED ON DRAWING.
☉	CEILING MOUNT SPEAKER NOTIFICATION DEVICE.
☉	CEILING MOUNT STROBE NOTIFICATION DEVICE. THE STROBE CANDELA IS 15 cd UNLESS OTHERWISE INDICATED ON DRAWING.
☉	ELECTROMAGNETIC HOLD OPEN DEVICE. VOLTAGE TO MATCH SYSTEM.
R	FIRE ALARM RELAY.
INSUL	HOOD FIRE SUPPRESSION SYSTEM.

WIRING DEVICES LEGEND

SYMBOL	DESCRIPTION
⊕	TAMPER-RESISTANT DUPLEX ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
⊕	TAMPER-RESISTANT DOUBLE DUPLEX ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
⊕	TAMPER-RESISTANT GROUND FAULT INTERRUPTED DUPLEX ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
⊕	TAMPER-RESISTANT SINGLE ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
⊕	TAMPER-RESISTANT SPECIAL PURPOSE SINGLE ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, 250V, NEMA 6-20R.
⊕	TWIST-LOCK SINGLE ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, 125V, 30A, NEMA L5-30R.
⊕	TAMPER-RESISTANT USB CHARGER DUPLEX ELECTRICAL OUTLET FOR CONVENIENCE POWER WITH 302/304 STAINLESS STEEL FACEPLATE, NEMA 5-20R.
⊕	DATA & POWER SURFACE RACEWAY - NUMBER OF TRIANGLES INDICATES NUMBER OF DATA DROPS - PROVIDE (2) DUPLEX RECEPTACLES PER DATA DROP.
⊕	POWER CORD REEL, NEMA 5-20R.
⊕	FIRE RATED POWER FEED POKE-THROUGH.
F	FLOOR BOX.
WB	MULTIPLE SERVICE WALL BOX.
J	JUNCTION BOX, SIZE AS REQUIRED.
⊕	MOTOR, HORSEPOWER AS INDICATED.
⊕	UN-FUSED DISCONNECT SWITCH.
F	FUSED DISCONNECT SWITCH.
HD	HAND DRYER.
⊕	PANEL.
⊕	TRANSFORMER.
⊕	SWITCH. LOWER CASE LETTER INDICATES SWITCHING DESIGNATION (UPPER CASE LETTER(S) OR NUMBER SUBSCRIPTS) (NONE) = SINGLE POLE, 20 A HEAVY DUTY SPEC GRADE SWITCH K = KEY SWITCH D = DIMMER SWITCH 3 = TREE WAY SWITCH 4 = FOUR WAY SWITCH MC = MOMENTARY CONTACT SWITCH LV = LOW VOLTAGE BUTTON SWITCH EF = COMMERCIAL GRADE EXHAUST FAN SWITCH
⊕	CEILING MOUNTED OCCUPANCY/VACANCY/ DAYLIGHT SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY, COMPLETE W/ POWER PACK(S) AS REQUIRED.
⊕	WALL MOUNTED OCCUPANCY/VACANCY, LOW VOLTAGE, DUAL TECHNOLOGY, COMPLETE W/ POWER PACK(S) AS REQUIRED.
⊕	DUAL TECHNOLOGY SINGLE LEVEL OCCUPANCY SENSING WALL SWITCH.
⊕	PHOTOCELL.
⊕	ROOM CONTROLLER.
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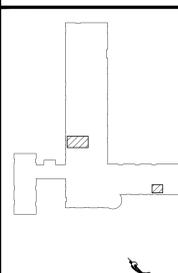
LIGHTING LEGEND

SYMBOL	DESCRIPTION
⊕	2' X 4' RECESSED LIGHTING FIXTURE.
⊕	2' X 4' RECESSED EMERGENCY LIGHTING FIXTURE. WITH 90 MINUTES EMERGENCY BATTERY PACK.
⊕	2' X 2' RECESSED LIGHTING FIXTURE.
⊕	2' X 2' RECESSED EMERGENCY LIGHTING FIXTURE. WITH 90 MINUTES EMERGENCY BATTERY PACK.
⊕	1' X 4' RECESSED LIGHTING FIXTURE.
⊕	1' X 4' RECESSED EMERGENCY LIGHTING FIXTURE. WITH 90 MINUTES EMERGENCY BATTERY PACK.
⊕	2' X 4' SURFACE MOUNT LIGHTING FIXTURE.
⊕	2' X 4' SURFACE MOUNT EMERGENCY LIGHTING FIXTURE. WITH 90 MINUTES EMERGENCY BATTERY PACK.
⊕	2' X 2' SURFACE MOUNT LIGHTING FIXTURE.
⊕	2' X 2' SURFACE MOUNT EMERGENCY LIGHTING FIXTURE. WITH 90 MINUTES EMERGENCY BATTERY PACK.
⊕	1' X 4' SURFACE MOUNT LIGHTING FIXTURE.
⊕	1' X 4' SURFACE MOUNT EMERGENCY LIGHTING FIXTURE. WITH 90 MINUTES EMERGENCY BATTERY PACK.
⊕	1' X 4' PENDANT LIGHTING FIXTURE.
⊕	1' X 4' PENDANT EMERGENCY LIGHTING FIXTURE. WITH 90 MINUTES EMERGENCY BATTERY PACK.
⊕	RECESSED DOWN LIGHTING FIXTURE.
⊕	RECESSED DOWN EMERGENCY LIGHTING FIXTURE. WITH 90 MINUTES EMERGENCY BATTERY PACK.
⊕	SURFACE MOUNT DOWN LIGHTING FIXTURE.
⊕	EXTERIOR WALL MOUNT LIGHTING FIXTURE.
⊕	EXTERIOR POLE LIGHTING FIXTURE.
⊕	EXIT SIGN.
⊕	EMERGENCY WALL PACK LIGHTING FIXTURE.
⊕	EXIT SIGN/EMERGENCY COMBO WALL PACK LIGHTING FIXTURE.

NOTE: SYMBOLS AND ABBREVIATIONS ON THIS DRAWING ARE FOR REFERENCE ONLY, AND MAY NOT BE USED IN THE FOLLOWING DOCUMENTS.

REV.	DATE	ITEM

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KEY PLAN
NOT TO SCALE

**GREENBURGH CENTRAL SCHOOL DISTRICT
PHASE I - DISTRICT WIDE CAPITAL IMPROVEMENTS
EARLY CHILDHOOD PROGRAM**
HARTSDALE, NEW YORK - WESTCHESTER COUNTY

ELECTRICAL NOTES & LEGENDS

DRAWING BY: DG
CHECK BY: ---

NOTICE
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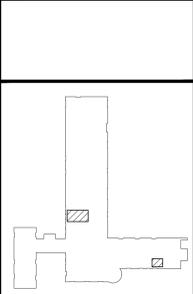
BBS ARCHITECTS LANDSCAPE ARCHITECTS ENGINEERS
244 EAST MAIN STREET ALBANY, NEW YORK 12205
PATUCHOGUE, NEW YORK 12205
T. 518.621.7650 F. 518.621.7655
www.BBSARCHITECTURE.com

SED No: 66-04-07-06-0-011-008
DISTRICT: GREENBURGH CSD
PROJECT: PH I - DW CAP IMPROVEMENTS EARLY CHILDHOOD PROGRAM
DWG TITLE: ELECTRICAL NOTES & LEGENDS
SCALE: AS NOTED
DATE: MAY 2022
BID PICKUP: MAY 27, 2022
FILE No: 21-292

E0.01E

REV.	DATE	ITEM

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KEY PLAN
 NOT TO SCALE

PROJECT
 GREENBURGH CENTRAL SCHOOL DISTRICT
 PHASE 1 - DISTRICT WIDE CAPITAL IMPROVEMENTS
 EARLY CHILDHOOD PROGRAM
 HARTSDALE, NEW YORK - WESTCHESTER COUNTY

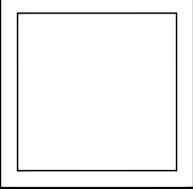
DWG TITLE
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BBS
 ARCHITECTS
 LANDSCAPE ARCHITECTS
 ENGINEERS

244 EAST MAIN STREET ALBANY, NEW YORK 12205
 PATCHOGUE, NEW YORK 11772
 T. 518.475.0349 T. 518.621.7650
 F. 518.475.0361 F. 518.621.7655
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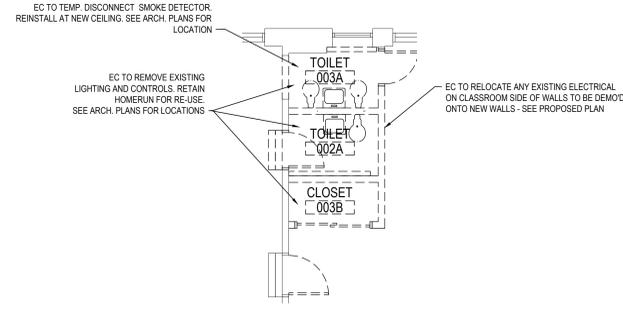


SED No: 66-04-07-06-0-011-008
 DISTRICT: GREENBURGH CSD
 PROJECT: PH 1 - DW CAP IMPROVEMENTS EARLY CHILDHOOD PROGRAM
 DWG TITLE: ELECTRICAL PLANS
 SCALE: AS NOTED
 DATE: MAY 2022
 BID PICK-UP: MAY 27, 2022
 FILE No: 21-292

E4.01E

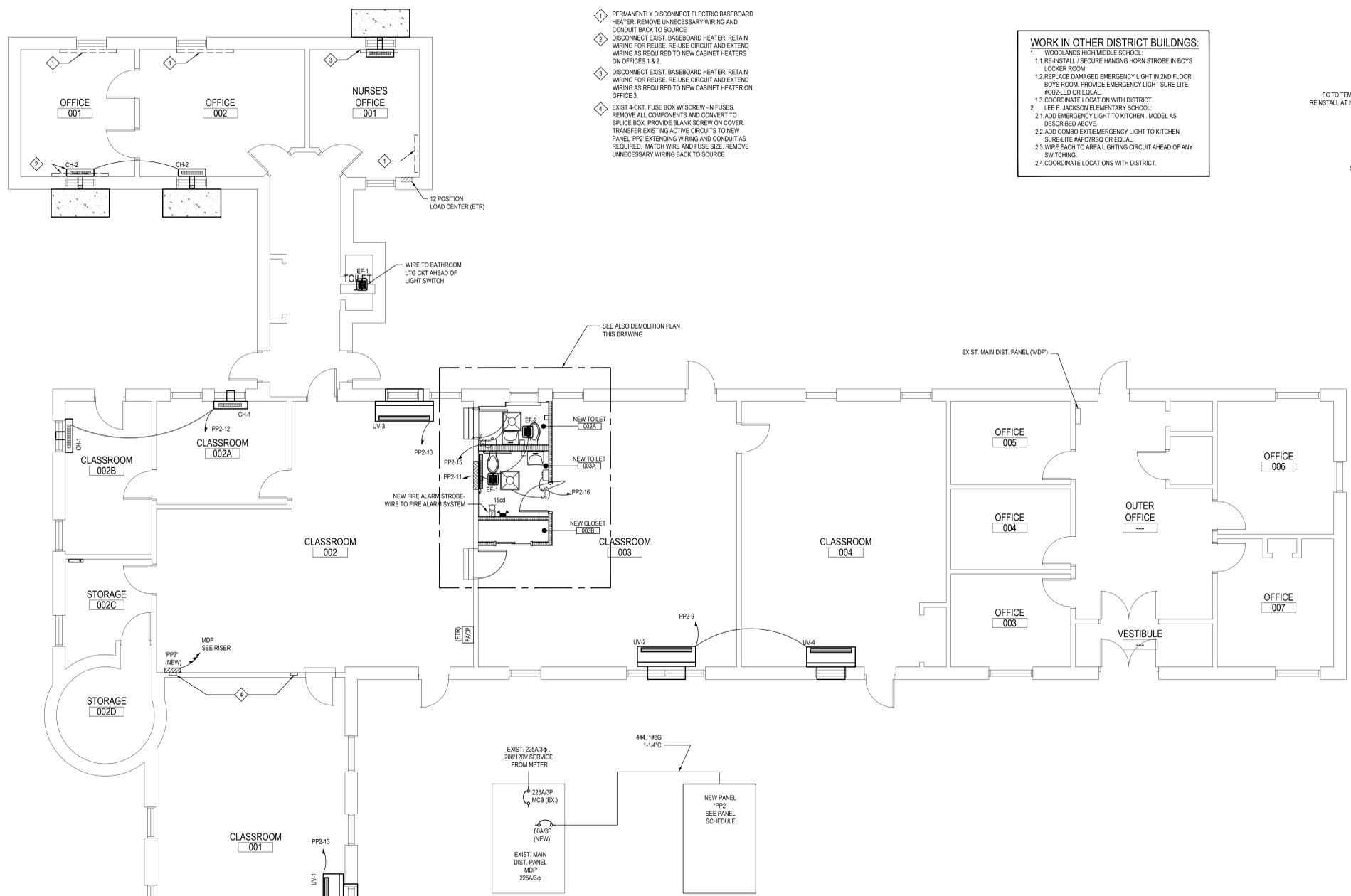
WORK IN OTHER DISTRICT BUILDINGS:
 1. WOODLANDS HIGH/MIDDLE SCHOOL:
 1.1 RE-INSTALL / SECURE HANGING HORN STROBE IN BOYS LOCKER ROOM
 1.2 REPLACE DAMAGED EMERGENCY LIGHT IN 2ND FLOOR BOYS ROOM. PROVIDE EMERGENCY LIGHT SURE LITE #CUL-LED OR EQUAL.
 1.3 COORDINATE LOCATION WITH DISTRICT
 2. LEE F. JACKSON ELEMENTARY SCHOOL:
 2.1 ADD EMERGENCY LIGHT TO KITCHEN. MODEL AS DESCRIBED ABOVE.
 2.2 ADD COMBO EXT/EMERGENCY LIGHT TO KITCHEN SURE-LITE #APCTR50 OR EQUAL.
 2.3 WIRE EACH TO AREA LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.
 2.4 COORDINATE LOCATIONS WITH DISTRICT.

- ① PERMANENTLY DISCONNECT ELECTRIC BASEBOARD HEATER. REMOVE UNNECESSARY WIRING AND CONDUIT BACK TO SOURCE
- ② DISCONNECT EXIST. BASEBOARD HEATER. RETAIN WIRING FOR REUSE. RE-USE CIRCUIT AND EXTEND WIRING AS REQUIRED TO NEW CABINET HEATERS ON OFFICES 1 & 2.
- ③ DISCONNECT EXIST. BASEBOARD HEATER. RETAIN WIRING FOR REUSE. RE-USE CIRCUIT AND EXTEND WIRING AS REQUIRED TO NEW CABINET HEATER ON OFFICE 3.
- ④ EXIST 4-CKT. FUSE BOX W/ SCREW-IN FUSES. REMOVE ALL COMPONENTS AND CONVERT TO SPLICE BOX. PROVIDE BLANK SCREW ON COVER. TRANSFER EXISTING ACTIVE CIRCUITS TO NEW PANEL. PP2 EXTENDING WIRING AND CONDUIT AS REQUIRED. MATCH WIRE AND FUSE SIZE. REMOVE UNNECESSARY WIRING BACK TO SOURCE.



CLASSROOM 003 TOILETS - DEMOLITION PLAN
 SCALE: 3/16" = 1'-0"

- LEGEND:**
- 2x2 LED RECESSED TROFFER 3400 LUMEN, 3500K CCT
 - METALUX CRUZ #22C-LD5-UNV-L835 WIRE TO EXIST. ROOM LTG CKT
 - UL924 EMERGENCY LIGHT W/ 90-MINUTE BATTERY
 - SURE LITE #CUL-LED
 - WIRE TO ROOM LTG CIRCUIT AHEAD OF ANY SWITCHING
 - WALL SWITCH PIR VACANCY SENSOR MOUNT 48" AFF



PART. ELECTRICAL RISER
 SCALE: NONE

PANEL BOARD NAME: PP2 LOCATION: CLASSROOM 2

TYPE: BRANCH BREAKER TYPE: BOLT ON NO. OF POLES: 30 BUS SIZE (A): 125A

MIN AIC RATING (KA): 22K NEUTRAL: 125A MAIN CIRCUIT BREAKER: MLO

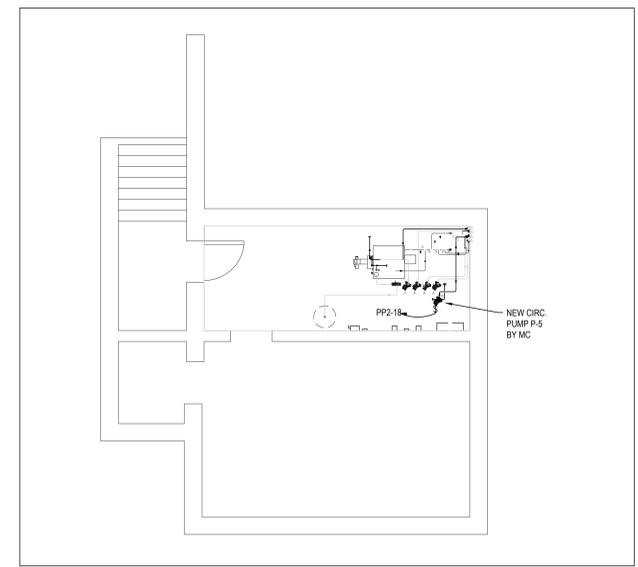
MAIN LUGS: #4 VOLTS: 120/208V PHASE: 3 # WIRES: 4

MOUNTING: SURFACE ENCL. TYPE: 1 DOOR RECD: LOCKABLE

ACCESSORIES: SURGE PROTECTIVE DEVICE (SPD): SPD RATING(KA): N/A SUB-FEED LUGS: ASCO SWITCH: FEED-THRU LUGS: ISOLATED GROUND:

CKT. #	DESIGNATION	WIRE SIZE	CKT. BRKR.	LOAD			WIRE SIZE	DESIGNATION	CKT. #	
				A	B	C				
1	EXISTING LOAD	12	20				20	12	EXISTING LOAD	2
3	EXISTING LOAD	12	20				20	12	EXISTING LOAD	4
5	EXISTING LOAD	12	20				20	12	EXISTING LOAD	6
7	EXISTING LOAD	12	20				20	12	EXISTING LOAD	8
9	CLASSROOM 3 & 4 UV'S	12	15				15	12	CLASSROOM 2 UV	10
11	CLASSROOM 2 & 3 TLT. EXH. FANS	15	15				15	12	ROOMS 002A & 002B CURFS	12
13	CLASSROOM 1 UV	12	15				15	12	CLASSROOM 1 TLT. EXH. FAN	14
15	HAND DRYER - TLT. 002	12	20				20	12	HAND DRYER - TLT. 003	16
17	HAND DRYER - TLT. 001	12	20				20	12	CIRC. PUMP P-5	18
19	SPARE		20				20		SPARE	20
21										22
23										24
25										26
27										28
29										30

(*) REPRESENTS LOAD TRANSFERRED FROM EXISTING FUSE BOX VERIFY & MATCH EXISTING FUSE SIZE



BASEMENT POWER PLAN
 SCALE: 3/16" = 1'-0"

FIRST FLOOR POWER PLAN
 SCALE: 3/16" = 1'-0"

EC TO REMOVE EXISTING LIGHTING AND CONTROLS. RETAIN HOMERUN FOR RE-USE.

BASEMENT BELOW - SEE SEPARATE PLAN