OSSINING UNION FREE SCHOOL DISTRICT

OSSINING HIGH SCHOOL

THIRD FLOOR CONNECTOR

29 SOUTH HIGHLAND AVENUE, OSSINING, NEW YORK 10562
SED#:66-14-01-03-0-003-040

ARCHITECT / ENGINEER

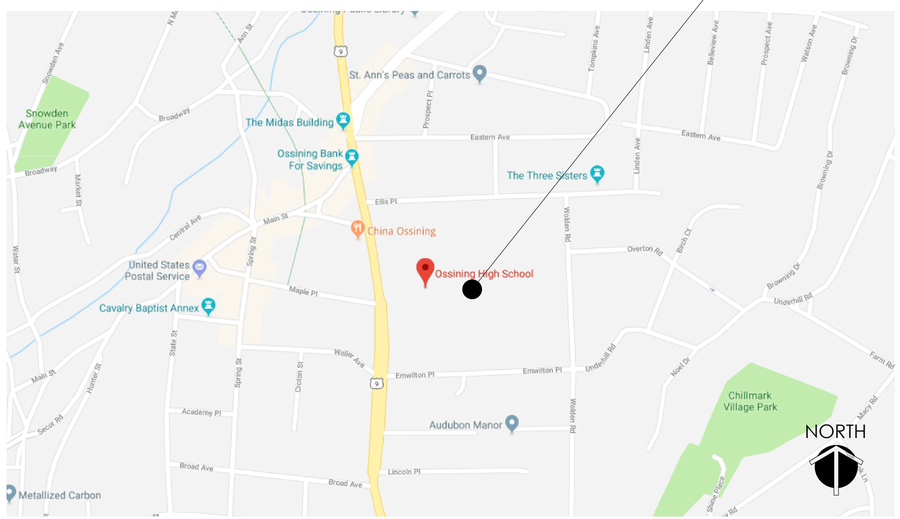
CLARK PATTERSON LEE
50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
PHONE: 800-274-9000

OWNER

OSSINING UNION FREE SCHOOL DISTRICT
400 EXECUTIVE BOULEVARD
OSSINING, NEW YORK 10562
PHONE: 914-941-7700

LOCATION MAP

OSSINING HIGH SCHOOL
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562



GENERAL NOTES

THE DESIGN OF THIS PROJECT CONFORMS TO ALL APPLICABLE PROVISIONS OF NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CODE, AND THE BUILDING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

LIST OF DRAWINGS

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OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

SCALE NONE

SHEET TITLE
TITLE SHEET

PROJECT NUMBER
14428.13

OHS
T000
DRAWING NUMBER

PRE–ABATEMENT WORK NOTES:

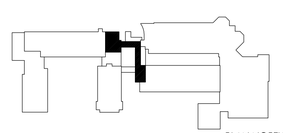
1. THESE DRAWINGS HAVE BEEN PREPARED BY UTILIZING THE OWNERS ORIGINAL CONSTRUCTION DOCUMENTS IN ORDER TO ILLUSTRATE THE EXISTING CONDITIONS OF THE SITE AND STRUCTURES THEREIN. THE CONTRACTOR SHALL BEE RESPONSIBLE FOR ACTUAL VERIFICATION OF ALL EXISTING CONDITIONS IN THE FIELD.
2. THE ASBESTOS CONTAINING MATERIALS, CONFIGURATIONS AND LOCATIONS SHOWN IN THESE DRAWINGS ARE BASED ON THE ASBESTOS CONTAINING MATERIALS TESTING REPORT. REFER TO THE ASBESTOS CONTAINING MATERIALS REPORT FOR FURTHER INFORMATION.
3. 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.
4. THE CONTRACTOR, PRIOR TO BIDDING, SHALL BE RESPONSIBLE TO BECOME COMPLETELY FAMILIAR WITH ALL ASPECTS OF THE PROJECT, INCLUDING, BUT NOT LIMITED TO, ALL DEMOLITION AND CONSTRUCTION WORK AS SHOWN IN THE COMPLETE SET OF DRAWINGS AND IN THE PROJECT MANUAL/SPECIFICATIONS, IN ORDER THAT THE FULL SCOPE OF WORK WHICH MAY ENCOUNTER ASBESTOS CONTAINING MATERIALS IS UNDERSTOOD AND ACCOUNTED FOR BY THE CONTRACTOR IN HIS PROJECT WHETHER OR NOT SHOWN IN THESE DOCUMENTS.

ASBESTOS REMOVAL GENERAL NOTES:

1. ASBESTOS ABATEMENT INDICATED ON THIS DRAWING SHALL BE PERFORMED BY A NYS DEPARTMENT OF LABOR LICENSED ASBESTOS CONTRACTOR, SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND QUANTITIES PRIOR TO BID.
2. THE CONTRACTOR SHALL PERFORM ALL CONTRACT WORK IN ACCORDANCE WITH CONTRACT SPECIFICATIONS, NEW YORK STATE DEPARTMENT OF LABOR (NYSDOL) INDUSTRIAL CODE RULE 56, OSHA, NESHAPS, AHEA, NYSDEC AND ALL OTHER APPLICABLE CODES.
3. THE CONTRACTOR SHALL MAINTAIN THE SITE AS NEAT AS POSSIBLE AND ORDERLY DURING THE WORK. ALL LOOSE DEBRIS WHICH MAY BLOW OFF THE SITE SHALL BE COLLECTED AND DISPOSED OF PROPERLY BY THE CONTRACTOR ON A DAILY BASIS AS PART OF THE PROJECT.
4. THE CONTRACTOR SHALL PROVIDE BARRIERS AROUND THE WORK AREAS IN ORDER TO ENSURE SAFE PASSAGE BY ANY PERSON. THESE BARRIERS SHALL ALSO SERVE TO KEEP ALL UNAUTHORIZED PERSONS OUT THE PROJECT AREA FOR THE DURATION OF THE WORK.
5. VARIANCES: CONTRACTOR SHALL PAY FOR AND OBTAIN ANY NECESSARY SITE SPECIFIC VARIANCES.
6. THE CONTRACTOR SHALL MAINTAIN SECURITY IN THE BUILDING AND THE WORK AREAS AT ALL TIMES.
7. PROJECT STAGING, STORAGE, SCHEDULING AND ACCESS SHALL BE COORDINATED WITH AND APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PROCEEDING WITH WORK.
8. SHOULD IT BE NECESSARY, CONTRACTOR SHALL COORDINATE SHUT DOWN AND LOCK OUT OF THE ELECTRICAL POWER WITH OWNER'S POWER WITH OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.
9. ALL TEMPORARY POWER TO THE WORK AREA SHALL BE BROUGHT IN FROM OUTSIDE THE WORK AREA THROUGH A GROUND–FAULT CIRCUIT INTERRUPTER AT THE SOURCE.
10. CONTRACTOR SHALL COORDINATE HOOKUP OF WATER SERVICE FOR DECONTAMINATION PURPOSED WITH OWNERS REPRESENTATIVE. WATER FOR THE DECONTAMINATION UNITS IS AVAILABLE FROM THE OWNER.
11. THE OWNER OR OWNER'S REPRESENTATIVE IS RESPONSIBLE TO CONTRACT FOR NYSDOL PROJECTS MONITORING/AIR SAMPLING TECHNICIAN SERVICES AS REQUIRED.
12. CONTRACTOR TO PROVED A COPY OF MSD'S FOR ANY CHEMICAL AGENTS TO BE USED DURING THE ASBESTOS ABATEMENT TO THE PROJECT MONITOR AD THE OWNER'S REPRESENTATIVE.
13. CONTRACTOR SHALL REQUEST AND RECEIVE PROJECT MONITOR AND OWNER'S REPRESENTATIVE APPROVAL OF ALL WORK BEFORE ANY ABATEMENT IS UNDERTAKEN.
14. UNDER NO CIRCUMSTANCES SHALL CONTAMINATED WASTE WATER BE FILTERED THOUGH A SYSTEM WITH AT LEAST A 5.0 MICRON PARTICLE SIZE COLLECTION CAPABILITY.
15. DRAWINGS ATTEMPT TO INDICATE THE GENERAL SCOPE OF EXISTING CONDITIONS AND ITEMS EFFECTED BY THE ABATEMENT WORK. CONTRACTOR SHALL EXAMINE THE WORK AREA PRIOR TO BID AND SHALL INCLUDE FIELD VARIATIONS FROM THOSE SHOWN WITH IN THE GENERAL INTENT OF THE WORK.
16. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASBESTOS CONTAINING MATERIALS CONTAINED WITHIN THE PROJECT AND ASSOCIATED WITH ALL PROJECT WORK, IN COMPLIANCE WITH ALL APPLICABLE LAWS, RULES, REGULATIONS AND ALL REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
17. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASBESTOS CONTAINING MATERIALS CONTAINED WITHIN THE PROJECT AND ASSOCIATED WITH ALL PROJECT WORK, IN THE MOST EFFICIENT AND COST EFFECTIVE METHOD POSSIBLE, WHICH ALSO COMPLIES WITH THE REQUIREMENTS LISTED ABOVE.

POST–ABATEMENT WORK NOTES:

1. PROVIDE ALL APPLICABLE CODE RULE 56 PROCEDURES, CLEAN UP, AND ADDITIONAL TESTING AS REQUIRED.
2. PRIOR TO ABATEMENT, ALL CONTRACTORS WILL SURVEY EXISTING CONDITIONS IN THE ABATEMENT AND GENERAL WORK AREAS. ITEMS/MATERIALS/ETC. DAMAGED, OR NON–FUNCTIONAL SHALL BE LISTED, NOTED, PHOTOGRAPHED AND REVIEWED WITH THE PROJECT INSPECTOR. ALL OTHER ITEMS/MATERIALS SHALL BE REVIEWED WITH THE PROJECT INSPECTOR. ALL OTHER ITEMS/MATERIALS SHALL BE ASSUMED TO BE IN GOD CONDITION AND GOOD WORKING ORDER. IT SHALL BE THE RESPONSIBILITY OF THE ABETMENT CONTRACTOR TO MAINTAIN ALL MATERIALS, ITEMS, EQUIPMENT, SYSTEMS, ETC. IN ITS ORIGINAL CONDITION AND RETURN TO OWNER/GC, ETC. IN SAME CONDITION AT THE END OF THIS CONTRACT.
3. REMOVE ALL TEMPORARY ENCLOSURES, BARRIERS, ETC. REINSTALL ITEMS/WORK PREVIOUSLY REMOVE, ALL TAPE AND ADHESIVE RESIDUALS TO BE REMOVED. TEST AND REPAIR.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE AGAINST DAMAGE TO THE EXISTING WORK TO REMAIN IN PLACE. ANY DAMAGE TO SUCH WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ARCHITECT AND OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
5. AT COMPLETION OF THE ABATEMENT WORK, A CONDITION SURVEY SHALL BE DON BY ALL CONTRACTORS AND PROJECT INSPECTOR (SEE NOTE #2). ANY VARIATION (I.E. DAMAGE BY THE CONTRACTOR), AND OTHERWISE NOT INCLUDED AS PART OF THE RECONSTRUCTION WORK, SHALL BE REPAIRED/RESTORED BY THE ABATEMENT CONTRACTOR.
6. THE CONTRACTOR SHALL, UPON COMPLETION OF THE REMOVAL, PROVIDE WRITTEN DOCUMENTATION (INCLUDING ALL APPROPRIATE THIRD PARTY TESTING RESULTS) THAT THE PROJECT WORK AREAS ARE COMPLETELY FREE OF ALL ASBESTOS CONTAINING MATERIALS.
7. THE CONTRACTOR SHALL PROVIDE RECORDS OF ALL ASBESTOS CONTAINING MATERIALS REMOVED FROM THE SITE, INCLUDING THE COMPOSITION AND VOLUMES OF DISPOSED MATERIALS AND THE FINAL DISPOSAL SITE(S).



KEY PLAN
OSSINING HIGH SCHOOL
NOT TO SCALE

PLAN NORTH

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SHEET TITLE
ASBESTOS NOTES

PROJECT NUMBER
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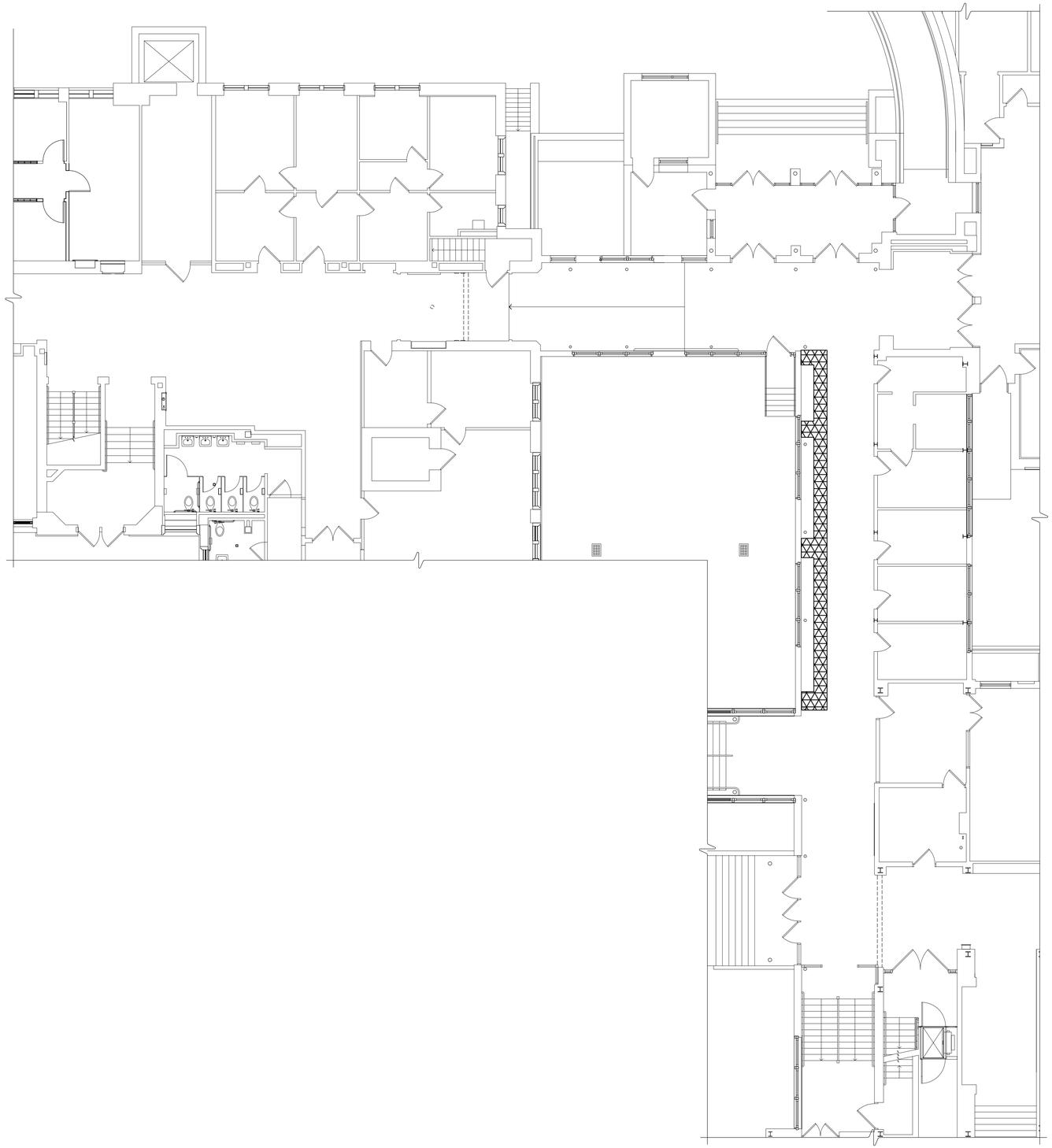

ACM LEGEND:

REMOVE AND DISPOSE OF ASBESTOS CONTAINING PIPE INSULATION AND MUDDED JOINT PACKING (MJP).

SEE SPECIFICATION SECTION #3.17 FOR DETAILS

1 / AA100 — FIRST FLOOR ASBESTOS ABATEMENT PLAN
SCALE: 1/8" = 1'-0"

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SHEET TITLE
FIRST FLOOR
ASBESTOS ABATEMENT
PLAN

PROJECT NUMBER
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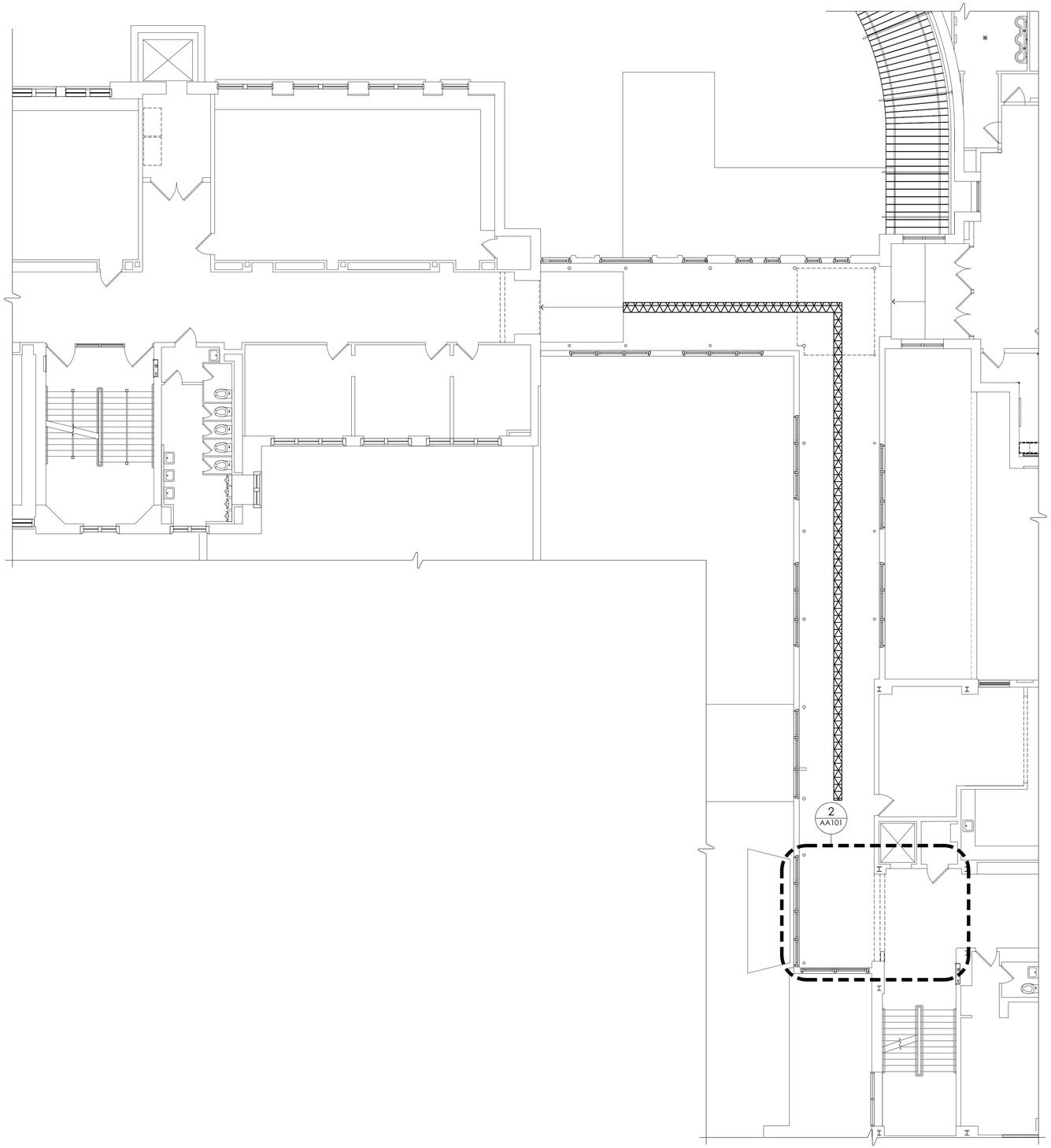


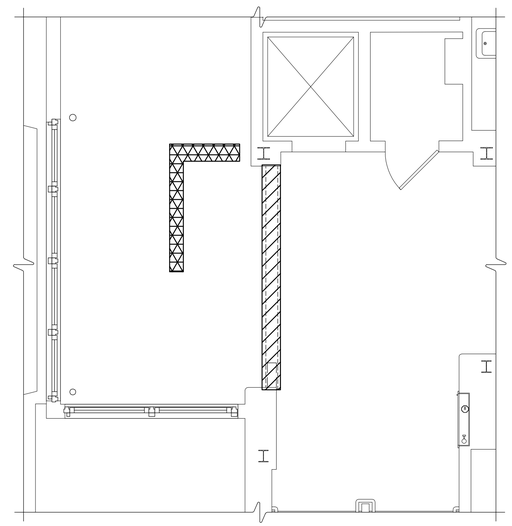
ACM LEGEND:

REMOVE AND DISPOSE OF ASBESTOS CONTAINING PIPE INSULATION AND MUDDED JOINT PACKING (MJP).

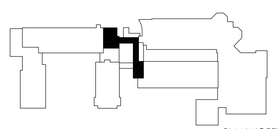
REMOVE AND DISPOSE OF FLOOR TILE AND MASTIC.

SEE SPECIFICATION SECTION #3.17 FOR DETAILS

1 AA101 SECOND FLOOR ASBESTOS ABATMENT PLAN
SCALE: 1/8" = 1'-0"



2 AA101 SECOND FLOOR ASBESTOS ABATEMENT PLAN
SCALE: 1/4" = 1'-0"



KEY PLAN
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SHEET TITLE
SECOND FLOOR
ASBESTOS ABATEMENT
PLAN

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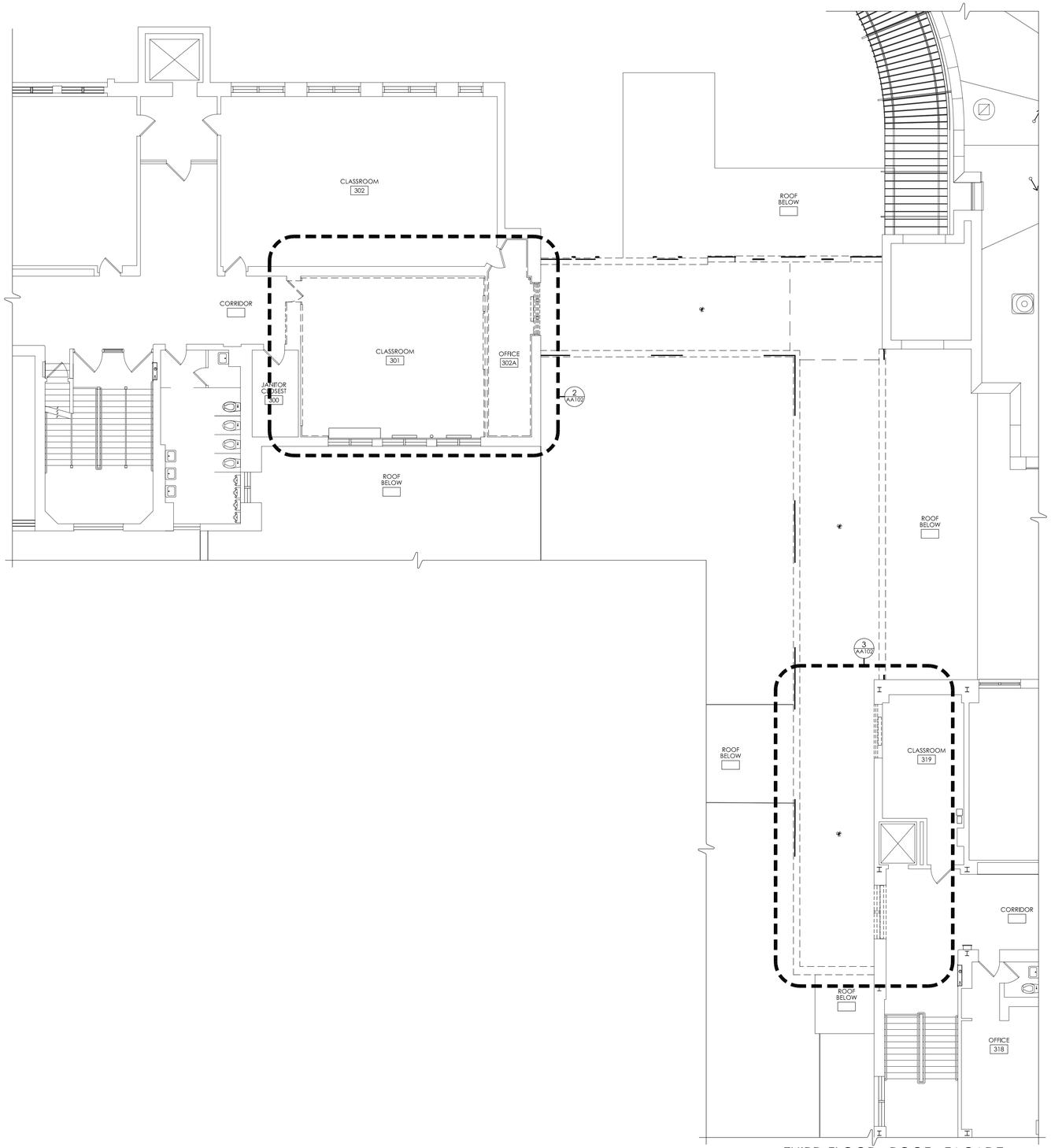
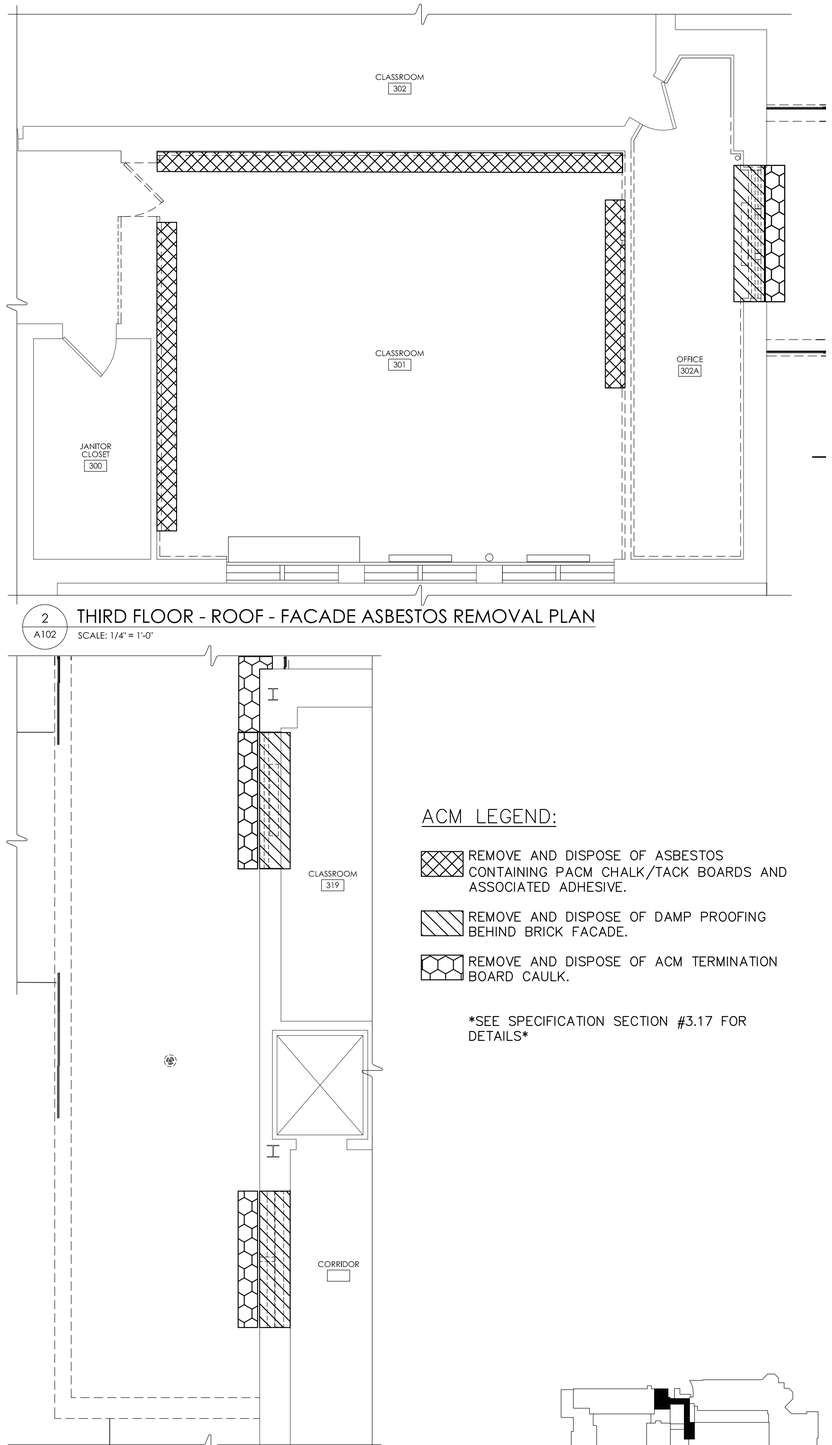


1 A102 THIRD FLOOR - ROOF - FACADE ASBESTOS ABATEMENT PLAN
SCALE: 1/8" = 1'-0"



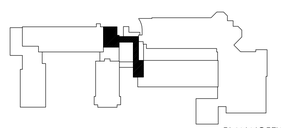
2 A102 THIRD FLOOR - ROOF - FACADE ASBESTOS REMOVAL PLAN
SCALE: 1/4" = 1'-0"

3 A102 THIRD FLOOR - ROOF - FACADE ASBESTOS ABATEMENT PLAN
SCALE: 1/4" = 1'-0"

ACM LEGEND:

- REMOVE AND DISPOSE OF ASBESTOS CONTAINING PACM CHALK/TACK BOARDS AND ASSOCIATED ADHESIVE.
- REMOVE AND DISPOSE OF DAMP PROOFING BEHIND BRICK FACADE.
- REMOVE AND DISPOSE OF ACM TERMINATION BOARD CAULK.

SEE SPECIFICATION SECTION #3.17 FOR DETAILS



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THIRD FLOOR - ROOF - FACADE ASBESTOS ABATEMENT PLAN

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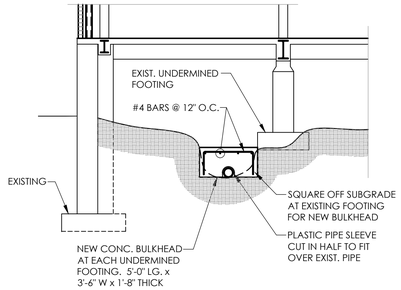
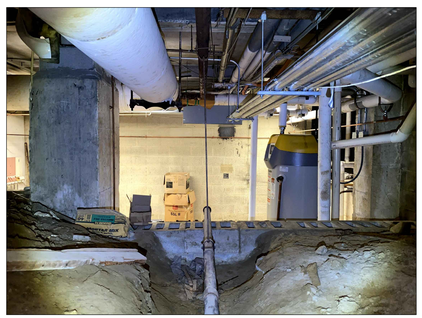


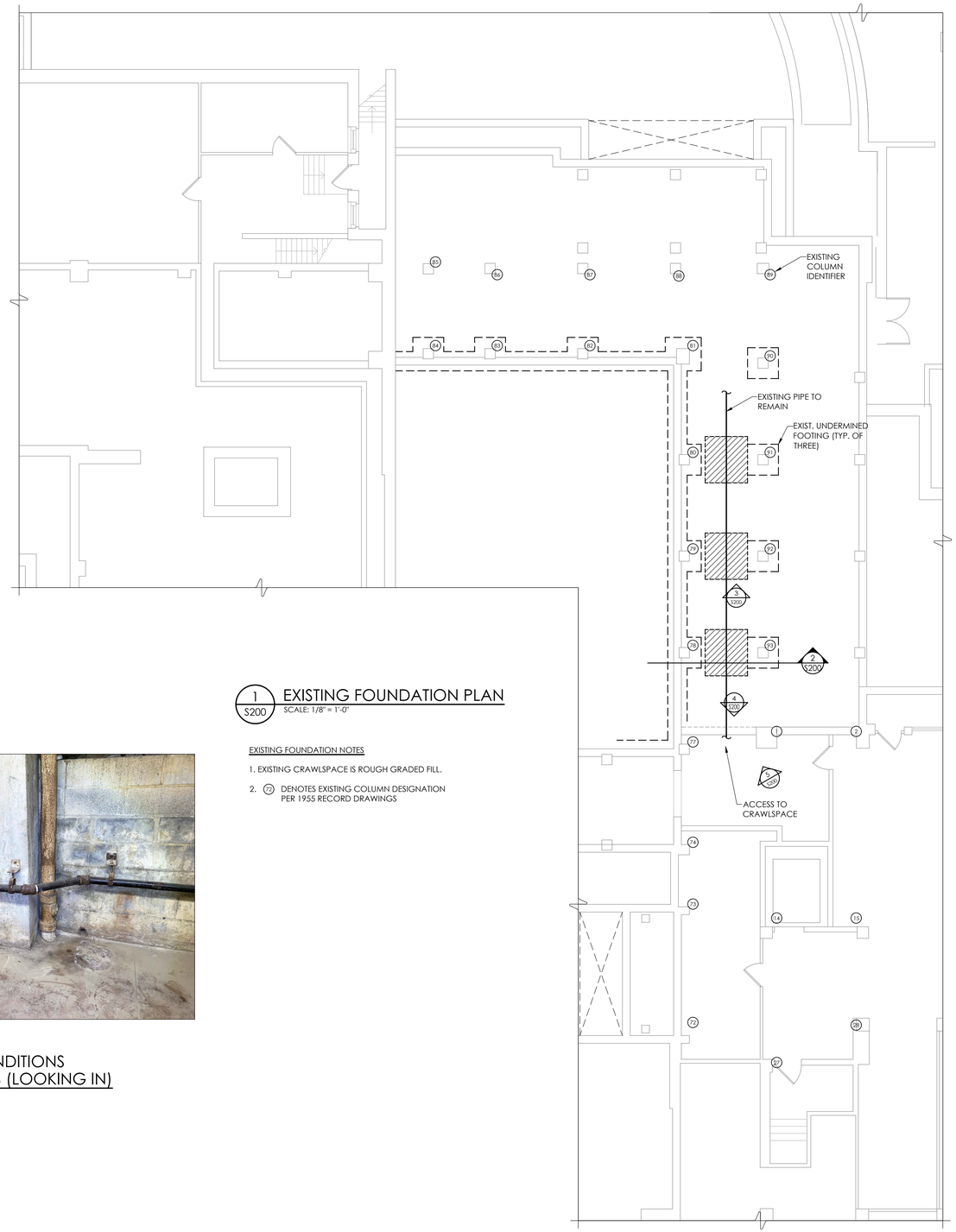
2 S200 SECTION
SCALE: 1/4" = 1'-0"

3 S200 FIELD CONDITIONS
EXISTING FOOTING
NO SCALE



4 S200 FIELD CONDITIONS
@ ACCESS (LOOKING OUT)
NO SCALE

5 S200 FIELD CONDITIONS
@ ACCESS (LOOKING IN)
NO SCALE



1 S200 EXISTING FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

EXISTING FOUNDATION NOTES

1. EXISTING CRAWLSPACE IS ROUGH GRADED FILL.
2. (72) DENOTES EXISTING COLUMN DESIGNATION PER 1955 RECORD DRAWINGS

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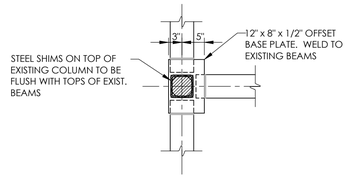
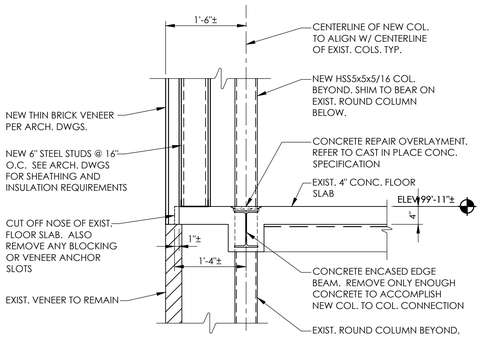


A S203 DETAIL
SCALE: 3/4" = 1'-0"



2 S203 SECTION
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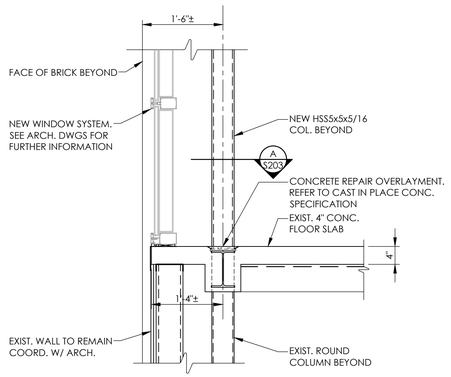

2a S203 SECTION
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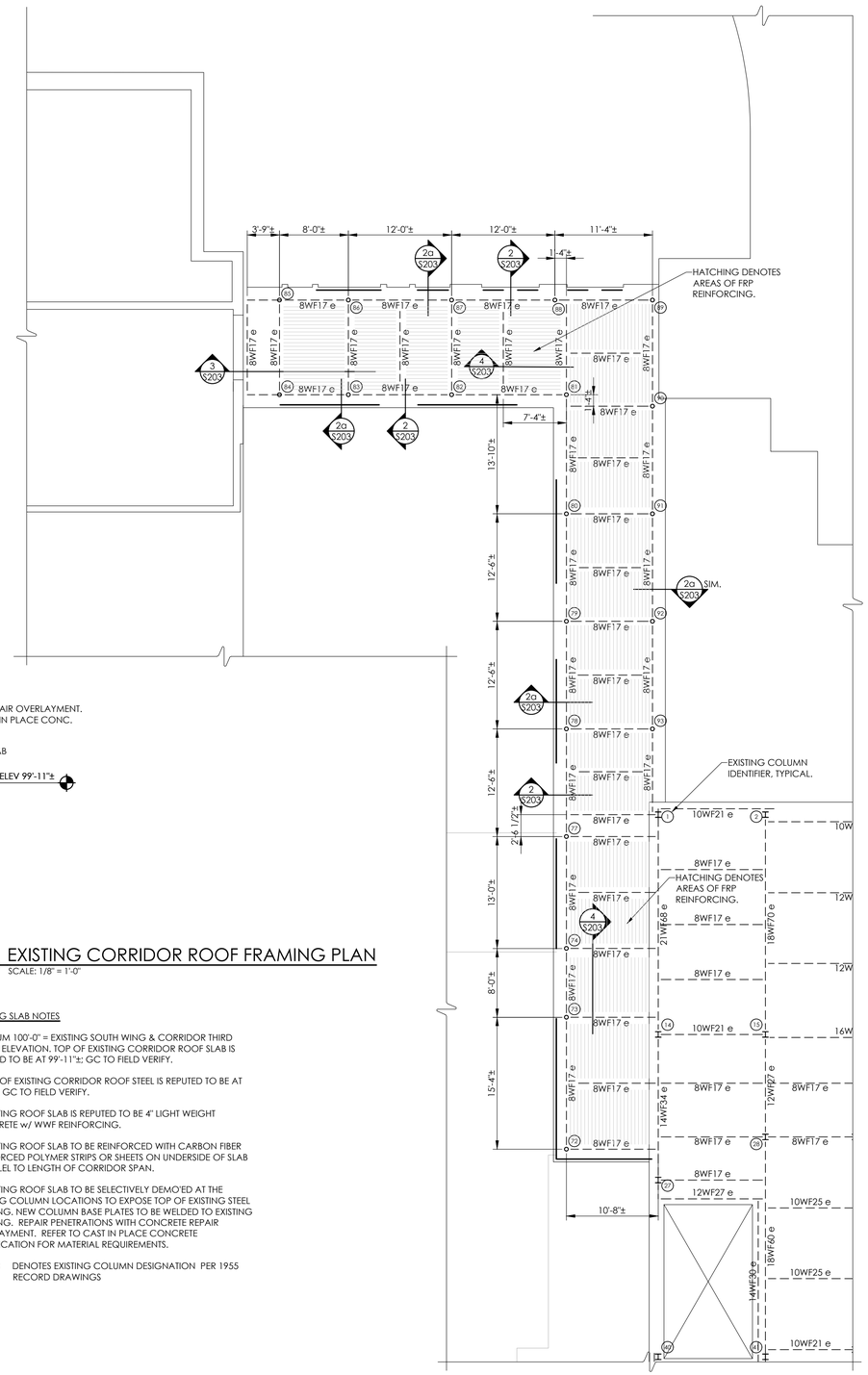

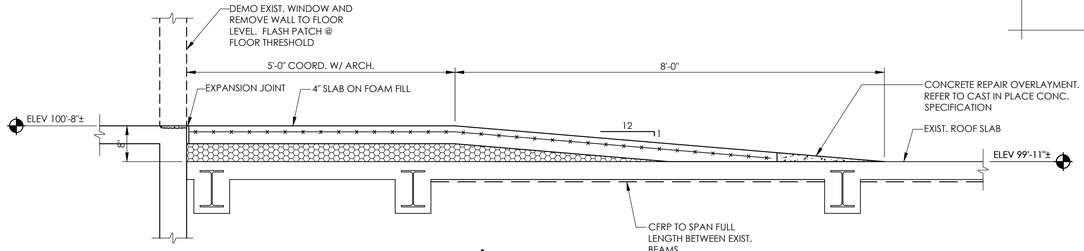

3 S203 SECTION
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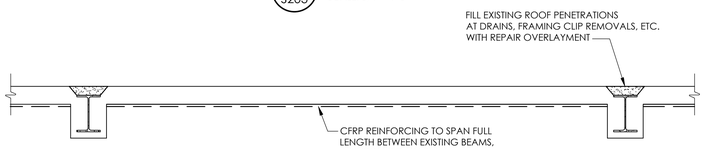


SECTION NOTES:

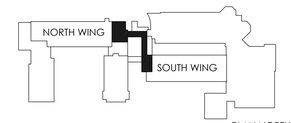
1. CARBON FIBER REINFORCED POLYMER (CFRP) MATERIAL SHALL BE INSTALLED BETWEEN EXISTING CONCRETE ENCASED BEAMS. (BASIS OF DESIGN IS SIKA CARBODUR S 512 LAMINATE STRIPS (1.2 mm x 50 mm) SPACED 2'-0" O.C.)
2. REQUIRED DESIGN LIVE LOAD FOR STRENGTHENED SLAB SHALL BE 80 PSF. (EXISTING LIVE LOAD CAPACITY DETERMINED TO BE 60 PSF.)
3. THE AREA ABOVE BEING SUPPORTED BY THE SLAB TO BE STRENGTHENED SHALL BE VACANT AND CLEAR OF FURNITURE, DEBRIS, ETC. PRIOR TO INSTALLATION OF CFRP REINFORCING.
4. INSTALLATION OF CFRP REINFORCING SHALL BE PERFORMED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.
5. ANY NECESSARY REPAIRS TO EXISTING CONCRETE SHALL BE COMPLETED PRIOR TO CFRP WORK; REFER TO SPECIFICATIONS.

4 S203 TYPICAL CFRP STRENGTHENING OF EXISTING SLABS SECTION
SCALE: 3/4" = 1'-0"

1 S203 EXISTING CORRIDOR ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

EXISTING SLAB NOTES

1. DATUM 100'-0" = EXISTING SOUTH WING & CORRIDOR THIRD FLOOR ELEVATION. TOP OF EXISTING CORRIDOR ROOF SLAB IS REPUTED TO BE AT 99'-11"±; GC TO FIELD VERIFY.
2. TOP OF EXISTING CORRIDOR ROOF STEEL IS REPUTED TO BE AT 99'-9"±; GC TO FIELD VERIFY.
2. EXISTING ROOF SLAB IS REPUTED TO BE 4" LIGHT WEIGHT CONCRETE w/ WWF REINFORCING.
3. EXISTING ROOF SLAB TO BE REINFORCED WITH CARBON FIBER REINFORCED POLYMER STRIPS OR SHEETS ON UNDERSIDE OF SLAB PARALLEL TO LENGTH OF CORRIDOR SPAN.
4. EXISTING ROOF SLAB TO BE SELECTIVELY DEMO'ED AT THE EXISTING COLUMN LOCATIONS TO EXPOSE TOP OF EXISTING STEEL FRAMING. NEW COLUMN BASE PLATES TO BE WELDED TO EXISTING FRAMING. REPAIR PENETRATIONS WITH CONCRETE REPAIR OVERLAYMENT. REFER TO CAST IN PLACE CONCRETE SPECIFICATION FOR MATERIAL REQUIREMENTS.
5. (P2) DENOTES EXISTING COLUMN DESIGNATION PER 1955 RECORD DRAWINGS



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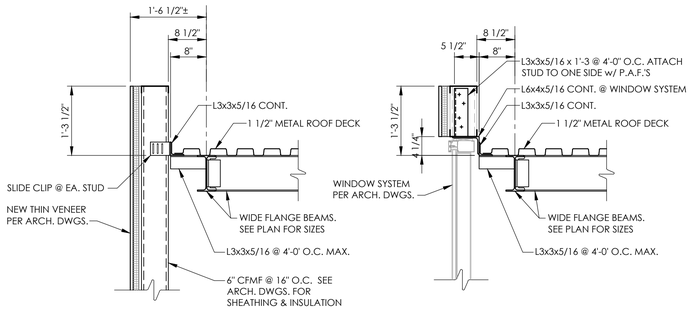
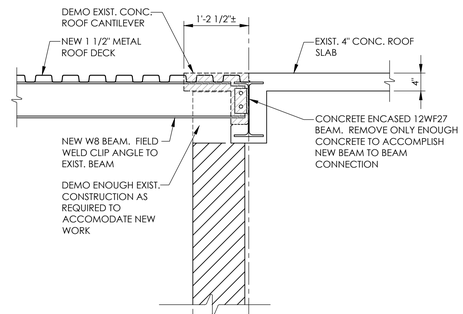
Plotted By: Brian Cooney
Date last plotted: 11/17/2021 11:54 AM
Date last accessed: 11/17/2021 11:52 AM
Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\STRUCT\S2\S203.dwg



2 S204 SECTION
SCALE: 3/4" = 1'-0"

2A S204 SECTION
SCALE: 3/4" = 1'-0"



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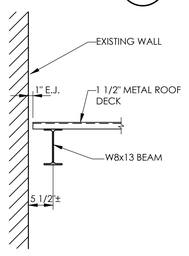

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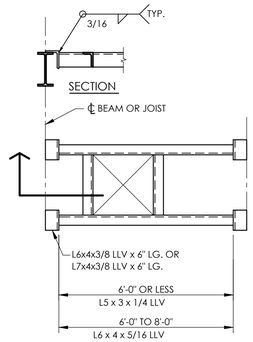
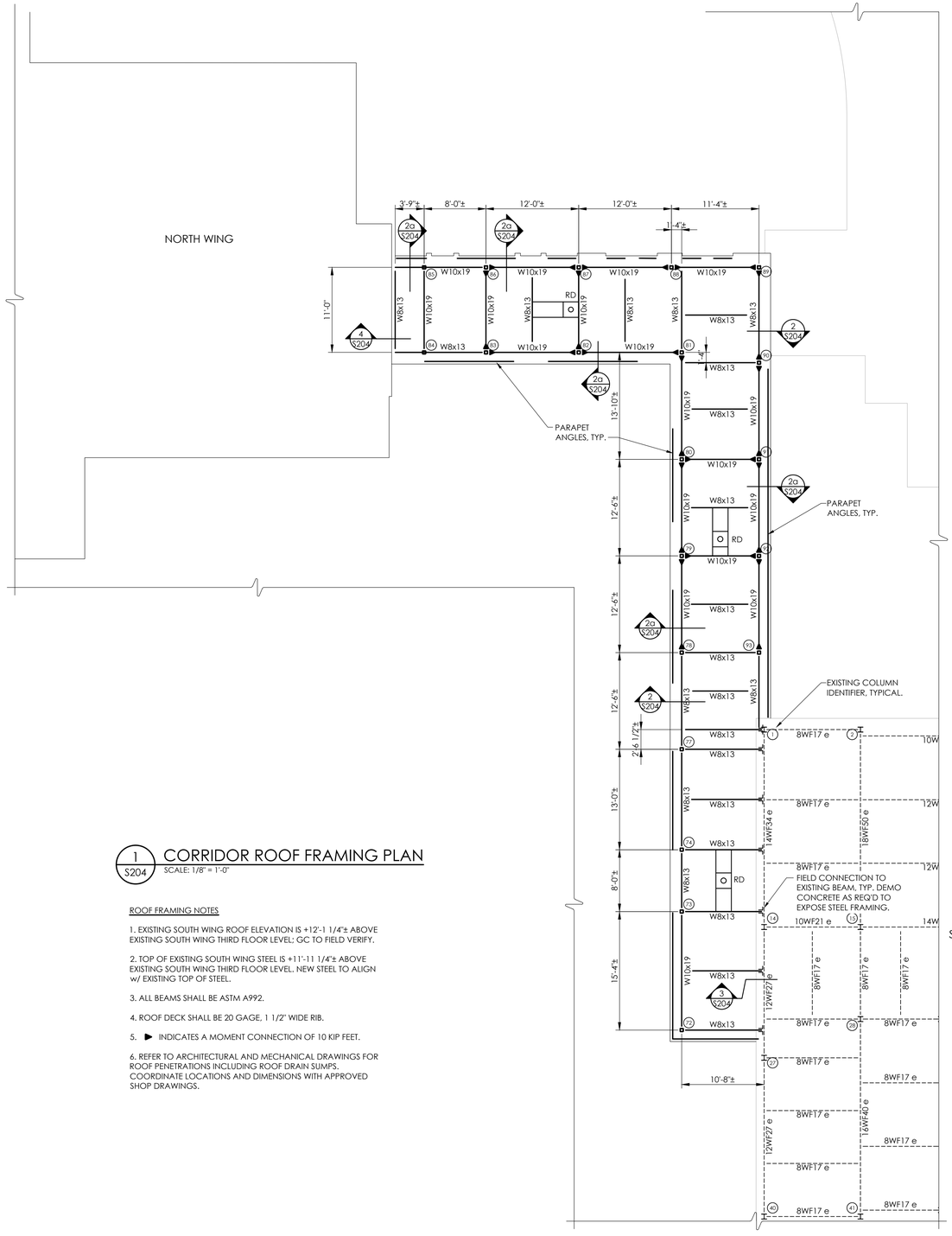


5 S204 STEEL FRAME FOR ROOF OR FLOOR OPENING
NO SCALE



1 S204 CORRIDOR ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

ROOF FRAMING NOTES

1. EXISTING SOUTH WING ROOF ELEVATION IS +12'-1 1/4"± ABOVE EXISTING SOUTH WING THIRD FLOOR LEVEL; GC TO FIELD VERIFY.

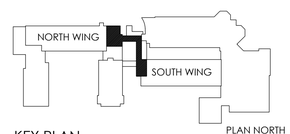
2. TOP OF EXISTING SOUTH WING STEEL IS +11'-11 1/4"± ABOVE EXISTING SOUTH WING THIRD FLOOR LEVEL. NEW STEEL TO ALIGN w/ EXISTING TOP OF STEEL.

3. ALL BEAMS SHALL BE ASTM A992.

4. ROOF DECK SHALL BE 20 GAGE, 1 1/2" WIDE RIB.

5. ▶ INDICATES A MOMENT CONNECTION OF 10 KIP FEET.

6. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ROOF PENETRATIONS INCLUDING ROOF DRAIN SUMPS. COORDINATE LOCATIONS AND DIMENSIONS WITH APPROVED SHOP DRAWINGS.



KEY PLAN
OSSINING HIGH SCHOOL
NOT TO SCALE

PLAN NORTH

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STATE OF NEW YORK BRIAN STEVEN COONEY 088982 LICENSED PROFESSIONAL ENGINEER

OSSINING UFSD
OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	BSC	JPR

SCALE AS NOTED

SHEET TITLE
ROOF FRAMING PLAN

PROJECT NUMBER
14428.13

OHS
S204
DRAWING NUMBER

GENERAL NOTES

1. THE STRUCTURE SHOWN ON THESE DRAWING IS SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADEQUACY, SAFETY AND STABILITY OF TEMPORARY ERECTION BRACING AND SHORING.
2. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS UNLESS NOTED OTHERWISE.
3. ALL DESIGN, INCLUDING MATERIAL STRESSES AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE 2020 NEW YORK STATE BUILDING CODE , THE UNIFORM BUILDING CODE, OSHA AND GOVERNING AGENCIES HAVING JURISDICTION.
4. REFER TO THE "SPECIAL INSPECTIONS" SECTION OF THE SPECIFICATIONS FOR PROJECT REQUIREMENTS AND PERTINENT INFORMATION.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS SHOWN ON THE DRAWINGS AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ORDERING OR FABRICATING MATERIALS OR OTHERWISE PROCEEDING WITH THE WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES REQUIRED TO EXECUTE AND COMPLETE ALL ITEMS OF WORK AS SHOWN OR INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN. INCLUDING INCIDENTAL ITEMS TO EFFECT A FINISHED AND COMPLETE JOB, EVEN THOUGH SUCH ITEMS ARE NOT SHOWN OR PARTICULARLY MENTIONED.
7. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF, HANDRAILS, CURTAIN WALL/WINDOW SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
8. THE GENERAL CONTRACTOR SHALL USE CONSTRUCTION METHODS THAT ARE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
9. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ADEQUATELY SHORING EXISTING CONSTRUCTION WHILE PERFORMING NEW WORK.
10. DIMENSIONS ARE NOT TO BE DERIVED BY SCALING THESE DRAWINGS. IF THERE ARE ANY QUESTIONS REGARDING DIMENSIONS, CONTACT THE ARCHITECT/ENGINEER FOR INFORMATION PRIOR TO SUBMITTING SHOP DRAWINGS.
11. THE CONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS, AND WITH THE WORK OF ALL OTHER TRADES.
12. THE CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF FLOOR, ROOF AND WALL PENETRATIONS WITH MECHANICAL, PLUMBING AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS NOT SHOWN ON STRUCTURAL DRAWINGS MUST BE APPROVED BY THE ENGINEER UNLESS NOTED OTHERWISE.
13. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ALL SITE APPURTENANCES DAMAGED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
14. INFORMATION IN THESE STRUCTURAL NOTES IS A SELECTED SUMMARY OF REQUIREMENTS. REFER TO SPECIFICATIONS FOR AMPLIFICATIONS OF REQUIREMENTS.
15. WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE EITHER LOCATED ON COLUMN LINES OR ARE EQUALLY SPACED BETWEEN LOCATED MEMBERS.
16. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR CONSTRUCTION SAFETY.

EXISTING CONSTRUCTION NOTES

1. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING BUILDING AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW WORK TO THE EXISTING WORK.
3. WORK SHOWN ON THE DRAWINGS IS NEW, UNLESS NOTED AS EXISTING.
4. EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS WAS OBTAINED FROM DRAWINGS PREPARED BY THE FIRM OF EWARD FLEAGLE, ARCHITECT, DATED 1955 AND LIMITED SITE OBSERVATION. THESE DRAWINGS OF EXISTING CONSTRUCTION ARE AVAILABLE FOR CONTRACTOR USE. HOWEVER, THE AVAILABLE DRAWINGS OF EXISTING CONSTRUCTION MAY NOT NECESSARILY BE COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY ALL PERTINENT INFORMATION.
5. IF ANY ARCHITECTURAL, STRUCTURAL, OR MECHANICAL MEMBERS OR COMPONENTS NOT DESIGNATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY AND APPROVAL MUST BE OBTAINED PRIOR TO REMOVAL OF THOSE MEMBERS.
6. THE CONTRACTOR SHALL SAFELY SHORE EXISTING CONSTRUCTION TO ALLOW THE INSTALLATION OF NEW WORK. ALL SHORING METHODS AND SEQUENCING OF DEMOLITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THEIR ENGINEER.
7. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR SHORING, BRACING AND PROTECTION OF THE EXISTING CONSTRUCTION. THE PLAN SHALL INCLUDE CONSTRUCTION SEQUENCE, BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK, AND BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO THE BEGINNING OF WORK.
8. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION AND TAKE CARE TO PROTECT EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE.
9. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE ARCHITECT.
10. THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION METHODS USED WILL NOT CAUSE DAMAGE TO THE ADJACENT BUILDINGS AND PROPERTY. THIS SHALL INCLUDE ALL FOUNDATION INSTALLATION.

CAST-IN-PLACE CONCRETE NOTES

1. ALL CONCRETE WORK, CONSTRUCTION AND REINFORCING DETAILS SHALL CONFORM TO THE 2020 NEW YORK STATE BUILDING CODE AND "THE SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI-318).
2. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS AND CONFORM TO THE REQUIREMENTS OF THE SCHEDULE BELOW, UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR MIX DESIGN REQUIREMENTS.

LOCATION	W/C RATIO	SLUMP (±1")	% AIR (±1%)	MAXIMUM AGGREGATE	MIN. STRENGTH @ 28 DAYS
BURIED FOUNDATIONS	.50	3.5"	N/A	1 1/2"	3,500 PSI
FLOOR SLAB	.45	4.0"	-	3/4"	3,500 PSI

3. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN CONCRETE.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" (ACI-315).
2. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
3. LAP SPLICES AND EMBEDMENT LENGTHS SHALL CONFORM TO ACI 318 -CHAPTER 12.
4. PROVIDE SHOP DRAWINGS FOR REINFORCING INCLUDING ALL NECESSARY ACCESSORIES TO HOLD REINFORCING SECURELY IN PLACE.
5. CLEAR COVER CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE:
   3" - CONCRETE CAST AGAINST EARTH.
   2" - FORMED SURFACES IN CONTACT WITH SOIL OR EXPOSED TO WEATHER.
   3/4" - SUPPORTED FLOOR SLABS.

FOUNDATIONS

1. ALL FOUNDATIONS ARE TO BEAR ON APPROVED BEARING MATERIAL.
2. ALL FOUNDATION EXCAVATIONS ARE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
3. ALL FORMS AND REINFORCING STEEL IN PLACE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
4. NO FOUNDATION SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB BEFORE COMMENCING WORK. REFER TO ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS AND DETAILS NOT SHOWN. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSIONS OF ANY OPENING, SLEEVES, INSERTS, SLAB DEPRESSIONS, ETC.
6. EPOXY ANCHORS SHALL BE HIT HY-200 INJECTION ADHESIVE ANCHORS AS MANUFACTURED BY HILTI, INC., TULSA OK (800-879-8000).

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS." HOT ROLLED STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A992. HOLLOW STRUCTURAL SHAPES (HSS) SHALL CONFORM TO ASTM A500 GRADE B. ANGLES, CHANNELS, AND OTHER MISCELLANEOUS METALS SHALL CONFORM TO ASTM A36.
2. STEEL CONNECTIONS ARE SHOWN SCHEMATICALLY. FABRICATOR IS RESPONSIBLE FOR DESIGN AND DETAILING OF CONNECTIONS, INCLUDING MATERIAL GRADE AND SIZES, WELD SIZES, AND NUMBER OF BOLTS. ADDITIONAL CONNECTION ELEMENTS MAY NOT BE SPECIFICALLY SHOWN ON THE SCHEMATIC DETAILS BUT MAY BE REQUIRED BY THE FINAL CONNECTION DESIGN, SUCH AS STIFFENER PLATES, DOUBLER PLATES, SUPPLEMENT / REINFORCING PLATES OR OTHER CONNECTION MATERIAL.
3. REACTIONS AND LOADS PROVIDED ON DRAWINGS ARE UNFACTORED.
4. EACH BEAM CONNECTION SHALL BE DESIGNED FOR ONE HALF OF THE TOTAL LOAD SHOWN IN THE AISC TABLES FOR THE RESPECTIVE SPAN UNLESS OTHERWISE NOTED. WHERE POSSIBLE, EACH BEAM CONNECTION SHALL BE OF THE TWO SIDED ANGLE TYPE AS PER AISC SPECIFICATION, UNLESS OTHERWISE NOTED ON THE DRAWINGS. MINIMUM CONNECTION SHALL BE TWO (2) BOLTS. ALL BEAM AND GIRDER CONNECTIONS SHALL BE WELDED CONNECTIONS, OR BOLTED CONNECTIONS USING ASTM A325X BOLTS, 3/4" DIAMETER.
5. ALL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE EITHER WELDED CONNECTIONS, OR BOLTED CONNECTIONS USING ASTM A325X BOLTS.
6. UNLESS SPECIFICALLY DETAILED OTHERWISE, SPLICES SHALL BE DESIGNED TO DEVELOP THE FULL CAPACITY OF THE MEMBER AT THE POINT OF THE SPLICE.
7. CUTS, HOLES, COPES, ETC., REQUIRED FOR WORK OF OTHER TRADES SHALL BE SHOWN ON SHOP DRAWINGS AND MADE IN THE SHOP. FIELD CUTTING OR BURNING WILL NOT BE PERMITTED.
8. ALL WELDING BOTH SHOP AND FIELD, SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS. WELDING ELECTRODES SHALL CONFORM TO ASTM A233, E70-XX. MINIMUM WELD SIZE SHALL BE 1/4 INCHES (FILLET) UNLESS OTHERWISE NOTED. WELDED CONNECTIONS SHALL BE DESIGNED TO BE STRESSED TO LESS THAN 50% OF THEIR ALLOWABLE CAPACITIES.
9. STRUCTURAL STEEL SHALL RECEIVE A SHOP COAT OF RUST INHIBITING PAINT EXCEPT AS FOLLOWS:
   A. CONTACT MILLED BEARING SURFACES
   B. WITHIN TWO INCHES OF FIELD WELDS.
11. AFTER ERECTION, ALL DAMAGED AREAS IN THE SHOP COAT SHALL BE REPAIRED WITH THE SAME PAINT USED FOR THE SHOP COAT.
12. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.

NON-COMPOSITE FLOOR AND ROOF DECK NOTES

1. ALL METAL DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS" BY THE STEEL DECK INSTITUTE (SDI).
2. REFER TO PLANS FOR NON-COMPOSITE DECK TYPES AND LOCATIONS.
3. METAL DECK SHALL BE 1 1/2 INCH x 20 GAUGE, WIDE RIB TYPE B, CLASS I, FACTORY MUTUAL APPROVED, UNLESS NOTED OTHERWISE.
4. DECKING SHALL SPAN A MINIMUM OF THREE SPANS.
5. DECK SHALL BE WELDED TO SUPPORTING FRAME WORK. PROVIDE WELDING WASHERS WHERE NECESSARY. ANCHORING AT ROOF DECK SHALL RESIST AN UPLIFT OF 20 PSF.
6. PROVIDE SUPPORT FOR METAL DECK AT 6'-0" O.C. MAXIMUM.
7. DO NOT SUSPEND MECHANICAL, ELECTRICAL OR PLUMBING ITEMS FROM ROOF DECK. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR HANGERS AND SUPPLEMENTAL FRAMING REQUIRED.
8. UNLESS NOTED OTHERWISE, ALL DECKING SHALL BE GALVANIZED IN ORDER TO BE COMPATIBLE WITH FIREPROOFING REQUIREMENTS.
9. SEE TYPICAL DETAILS AND PROJECT SPECIFICATIONS FOR ATTACHMENT REQUIREMENTS AND FOR WELD PATTERN.
10. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.

SPECIAL INSPECTIONS NOTES

1. THE OWNER'S TESTING LABORATORY/INSPECTION AGENCY SHALL PROVIDE SPECIAL INSPECTION SERVICES IN ACCORDANCE WITH THE 2020 NEW YORK STATE BUILDING CODE FOLLOWING ITEMS AND WITH THE SCHEDULE OF SPECIAL INSPECTIONS ISSUED SEPARATELY.
   A. STEEL CONSTRUCTION:
      a. ALL FIELD WELDING
      b. HIGH-STRENGTH BOLTING
      c. INSPECTION OF STRUCTURAL STEEL, BOLTING, WELDING MATERIAL
      d. WELDING OF STRUCTURAL STEEL
   B. CONCRETE CONSTRUCTION:
      a. BOLTS INSTALLED IN CONCRETE
      b. CONCRETE WORK
      c. CONTINUOUS INSPECTION OF REINFORCING STEEL PLACING
      d. EPOXY BOLTS
      e. REINFORCING STEEL PLACEMENT
   C. MASONRY CONSTRUCTION:
      a. HIGH-LIFT GROUTING
      b. MASONRY WORK
   D. SOILS:
      a. PREPARED EARTH FILL
   F. SPRAYED FIRE-RESISTANT MATERIALS
2. STATEMENT OF SPECIAL INSPECTIONS
   A. SPECIAL INSPECTION IS REQUIRED FOR THE ITEMS LISTED ABOVE. REFER TO SPECIFICATION SECTION FOR TYPE AND EXTENT OF EACH SPECIAL INSPECTION AND EACH TEST. THE SPECIFICATION ALSO INDICATES WHETHER CONTINUOUS OR PERIODIC INSPECTION IS REQUIRED FOR THE ITEMS LISTED ABOVE ADDITIONAL INFORMATION.
   B. APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL OR HIS DESIGNEE AND TO THE ARCHITECT/ENGINEER WHICH INDICATE THAT THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. A FINAL REPORT WHICH DOCUMENTS THE RESULTS OF THE SPECIAL INSPECTIONS PERFORMED INCLUDING CORRECTION OF ANY DEFICIENCIES IDENTIFIED DURING INSPECTION SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED PRIOR TO CONSTRUCTION.

COLD-FORMED STEEL FRAMING

1. ALL COLD FORMED STEEL FRAMING MEMBERS, THEIR DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), AND "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS".
2. STUD AND TRACK PROFILES SHALL BE STANDARD SECTIONS USED BY MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).
3. COLD-FORMED METAL FRAMING MEMBERS SHALL CONFORM TO ASTM C 955 WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAUGE) AND THINNER MEMBERS, AND 50 KSI FOR ALL OTHERS.
4. ALL COLD-FORMED METAL FRAMING MEMBERS SHALL BE FORMED OF CORROSION-RESISTANT STEEL, (G-90) CONFORMING TO ASTM A 653 AND ASTM C 955.
5. MEMBERS SHALL BE MANUFACTURER'S STANDARD "C" SHAPED STUDS/JOISTS OF THE SIZE, FLANGE WIDTH AND GAUGE INDICATED. ALL MEMBERS SHALL HAVE A MINIMUM FLANGE LIP RETURN OF 1/2" AND SATISFY THE MINIMUM PROPERTIES AS PER THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).
6. THE GAUGE OF ALL TRACKS SHALL BE NO LIGHTER THAN THE FRAMING BEING CONNECTED. CONNECT TRACKS TO CONCRETE WITH 0.145" DIA. POWER DRIVEN FASTENERS (WITH 1.25" EMBEDMENT) AT 16" ON CENTER.
7. ALL STRUCTURAL MEMBERS SHALL BE PROPERLY CONNECTED TO EACH OTHER AND TO THE SUPPORTING BACK-UP FRAMING. FASTENINGS SHALL BE MADE WITH SELF TAPPING SCREWS OF SUFFICIENT SIZE TO INSURE THE CONNECTION STRENGTH.
8. PROVIDE BRIDGING FOR STUDS, JOISTS AND RAFTERS AT MID SPAN AND AT A MAXIMUM SPACING NOT TO EXCEED 4'-0". ALL BRIDGING SHALL BE INSTALLED PRIOR TO THE ADDITION OF ANY LOADING. CONNECT BRIDGING TO EACH MEMBER BY WELDING, CLIP ANGLES OR OTHER APPROVED METHOD PER THE MANUFACTURE'S REQUIREMENTS.
9. ALL AXIALLY LOADED STUDS SHALL HAVE FULL BEARING AGAINST THE INSIDE TRACK WEB, PRIOR TO STUD AND TRACK ALIGNMENT. SPLICES IN AXIALLY LOADED STUDS ARE NOT PERMITTED.
10. PROVIDE THE MANUFACTURER'S STANDARD TRACK, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS AND ACCESSORIES AS RECOMMENDED BY THE MANUFACTURER FOR THE APPLICATION INDICATED AND AS NEEDED TO PROVIDE A COMPLETE FRAMING SYSTEM. UNLESS OTHERWISE NOTED, INSTALL THE METAL FRAMING SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
11. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR APPROVAL:
    A. MANUFACTURER'S PRODUCT DATA AND LATEST TECHNICAL DATA.
    B. ERECTION DRAWINGS SHOWING THE NUMBER, TYPE, LOCATION AND SPACING OF ALL MEMBERS. ALL CONNECTIONS AND ATTACHMENTS SHALL BE CLEARLY SHOWN.
    C. THE PROPERTIES OF ALL FRAMING MEMBERS THAT ARE USED IN LOAD BEARING APPLICATIONS, DEMONSTRATING CONFORMANCE WITH THE MINIMUM ACCEPTABLE PROPERTIES NOTED HEREIN.
    D. STRUCTURAL CALCULATIONS FOR ALL CONNECTIONS & MEMBERS BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
14. UNLESS OTHERWISE NOTED, PROVIDE DOUBLE JACK STUDS AT ALL BEAM/HEADER BEARINGS.
15. COLD-FORMED METAL FRAMING MEMBERS, HEADERS, AND CONNECTIONS SHOWN ON STRUCTURAL AND ARCHITECTURAL DRAWINGS ARE SCHEMATIC ONLY AND SHALL BE DESIGNED TO MEET PROJECT AND SPECIFICATION REQUIREMENTS. ANY MEMBER SIZES OR SPACINGS SHOWN SHALL BE CONSIDERED AS MINIMUMS.
16. DO NOT SCREW OR WELD STUDS TO VERTICAL DEFLECTION TRACKS. DO NOT CONNECT SHEATHING TO VERTICAL DEFLECTION TRACKS AND PROVIDE GAP IN SHEATHING TO ACCOMMODATE VERTICAL DEFLECTION.

DESIGN CRITERIA NOTES

1. **GENERAL BUILDING CODE**
   THE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE 2020 NEW YORK STATE BUILDING CODE.
2. **RISK CATEGORY OF BUILDING**: RISK CATEGORY III
3. **DEAD AND LIVE LOADS**
   A. THE DEAD LOADS ARE THE SELF WEIGHT OF MATERIALS OF CONSTRUCTION INCORPORATED INTO AND ON THE BUILDING.
   B. THE UNIFORMLY DISTRIBUTED AND/OR CONCENTRATED LIVE LOADS USED IN THE DESIGN OF THE BUILDING ARE BASED ON THE FOLLOWING INTENDED USE OR OCCUPANCIES:
      a. CORRIDORS: 100 PSF
      b. CORRIDORS ABOVE FIRST FLOOR: 80 PSF
      c. ROOFS: 20 PSF / 300 LB ON MAINT. SURFACE
4. **ROOF SNOW LOAD DATA**
   SNOW LOADS ARE BASED ON CHAPTER 7 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, (ASCE 7) AND THE FOLLOWING CRITERIA:

A.	GROUND SNOW LOAD (Pg):	30 PSF
B.	FLAT-ROOF SNOW LOAD (Pf):	23.1 PSF
C.	SNOW EXPOSURE FACTOR (Ce):	1.0
D.	SNOW LOAD IMPORTANCE FACTOR (Is):	1.1
E.	THERMAL FACTOR (Ct):	1.0
F.	DRIFT SURCHARGE LOADS (Pd):	46.6 PSF
G.	WIDTH OF SNOW DRIFTS (w):	10.4 FEET

5. **WIND DESIGN DATA**
   WIND PRESSURES ARE BASED ON CHAPTER 26 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, (ASCE 7) AND THE FOLLOWING CRITERIA:

A.	ULTIMATE DESIGN WIND SPEED (Vult):	130 MPH (3 SECOND GUST)
B.	NOMINAL DESIGN WIND SPEED (Vasd):	101 MPH
C.	WIND EXPOSURE CATEGORY:	C
D.	INTERNAL PRESSURE COEFFICIENT (GCPI):	+0.18/-0.18
E.	COMPONENTS AND CLADDING:	PER ASCE 7

6. **SEISMIC DESIGN DATA**
   THE STRUCTURE AND COMPONENTS OF THE BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED BUILDING CODE WITH THE FOLLOWING CRITERIA:

A.	SEISMIC IMPORTANCE FACTOR, Ie:	1.25
B.	0.2 SEC. MAPPED SPECTRAL ACCELERATION (Ss):	0.258 g
C.	1 SEC. MAPPED SPECTRAL ACCELERATION (S1):	0.071 g
D.	SITE CLASS:	D
E.	0.2 SEC SPECTRAL RESPONSE COEFF. (SDS):	0.241 g
F.	1 SEC SPECTRAL RESPONSE COEFF. (SD1):	0.114 g
G.	SEISMIC DESIGN CATEGORY:	B
H.	SEISMIC RESPONSE COEFFICIENT, Cs:	0.101
I.	RESPONSE MODIFICATION FACTOR, R:	3
J.	ANALYTICAL PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE	

7. **SEISMIC DEMANDS ON NONSTRUCTURAL COMPONENTS**
   SEISMIC DEMAND ON NONSTRUCTURAL COMPONENTS AND CONNECTIONS OF THOSE COMPONENTS TO THE PRIMARY STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED BUILDING CODE, THE GENERAL SEISMIC CRITERIA LISTED ABOVE, AND THE REQUIREMENTS OF ASCE 7, CHAPTER 13 AS APPROPRIATE.
8. **FLOOD DESIGN CRITERIA**
   THE BUILDING IS NOT LOCATED IN WHOLE OR IN PART WITHIN A FLOOD HAZARD AREA AS ESTABLISHED PER THE PREVIOUSLY MENTIONED BUILDING CODE.
9. **FUTURE EXPANSION**
   NO PROVISIONS HAVE BEEN MADE IN THIS STRUCTURAL DESIGN FOR FUTURE HORIZONTAL OR VERTICAL BUILDING EXPANSIONS.
10. **ROOF TOP EQUIPMENT ANCHORAGE**
    ALL ROOF TOP EQUIPMENT CURBS, MECHANICAL EQUIPMENT, TIE DOWNS, AND CONNECTIONS OF ALL EQUIPMENT TO BUILDING STRUCTURE FOR WIND AND SEISMIC LOADING ARE TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE EQUIPMENT SUPPLIER.

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NEWBURGH, NEW YORK 12550
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STATE OF NEW YORK · BRIAN STEVEN COONEY · 088982 · LICENSED PROFESSIONAL ENGINEER

OSSINING UFSD
OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

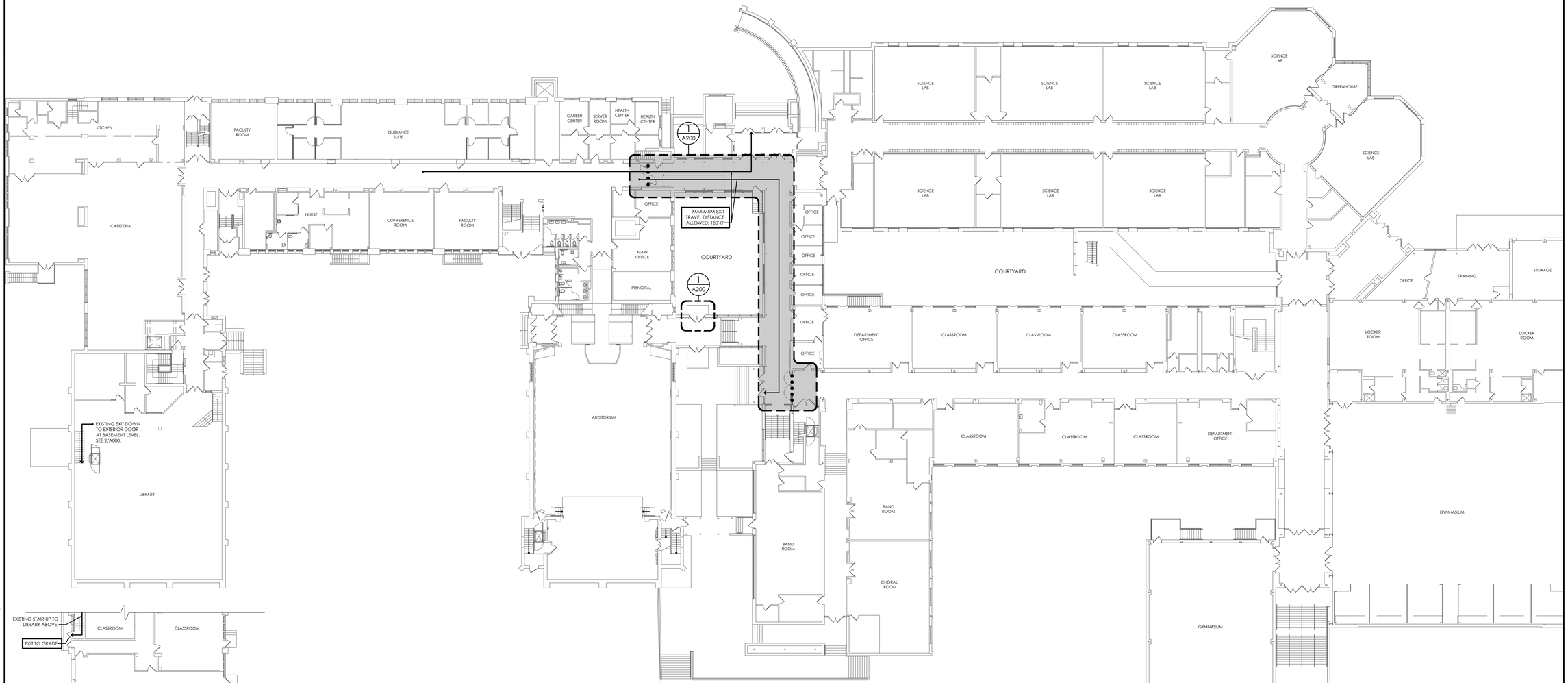
DATE	DRAWN	CHECKED
3/12/2021	BSC	JPR

SCALE AS NOTED

SHEET TITLE
STRUCTURAL NOTES

PROJECT NUMBER
14428.13

OHS
S800
DRAWING NUMBER



1 A000 FIRST FLOOR OVERALL PLAN
SCALE: 1" = 20'-0"

2 A000 PARTIAL BASEMENT PLAN
SCALE: 1" = 20'-0"

BUILDING CODE INFORMATION:
BASED ON 2020 Existing Building Code of NYS (EBCNYS) & The 2020 Building Code of NYS (BCNYS).

OCCUPANCY CLASSIFICATION (SECTION 305 OF BCNYS):
EDUCATIONAL GROUP E

CONSTRUCTION CLASSIFICATION (SECTION 601 OF BCNYS):
EXISTING: TYPE II-B
NEW: TYPE II-B

NOTE: PER SECTION 3104.1, PEDESTRIAN WALKWAYS SHALL NOT CONTRIBUTE TO THE BUILDING AREA OR THE NUMBER OF STORIES OR HEIGHT OF CONNECTED BUILDINGS.

FIRE RESISTANCE RATING REQUIREMENTS (TABLE 601):

PRIMARY STRUCTURAL FRAME:	*0 HOUR*
BEARING WALLS (EXTERIOR):	*0 HOUR*
NON-BEARING WALLS & PARTITIONS (INTERIOR):	*0 HOUR*
FLOOR CONST. & ASSOC. SECONDARY MEMBERS:	*0 HOUR*
ROOF CONST. & ASSOC. SECONDARY MEMBERS:	*0 HOUR*

PLUMBING FIXTURES:
EXISTING TO REMAIN. NO ADDITIONAL CLASSROOM SPACES.

FIRST FLOOR AREA:
RENOVATION AREAS: 1,600 SF

SECOND FLOOR AREA:
RENOVATION AREAS: 1,800 SF

THIRD FLOOR AREA:
NEW WORK: 1,565 SF
RENOVATION AREAS: 740 SF

BUILDING AREA AND FIRE AREAS ARE EXISTING TO REMAIN. ALL ROOM USE DESIGNATIONS, AREAS, AND OCCUPANCY LOADS ARE EXISTING TO REMAIN.

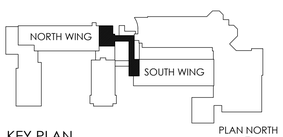
ENERGY CODE INFORMATION:
BASED ON THE 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE.

CLIMATE ZONE (TABLE C301.1): 4A

FENESTRATION (TABLE C402.4):

FIXED:	U-FACTOR 0.38 MAX
OPERABLE:	U-FACTOR 0.45 MAX
ENTRANCE DOORS:	U-FACTOR 0.77 MAX
VERTICAL FENESTRATION AREA:	<30% OF GROSS ABOVE GRADE WALL AREA (ENTIRE BUILDING) (C402.4.1)
SKYLIGHT AREA:	<3% OF GROSS ROFF AREA (ENTIRE BUILDING) (C402.4.1)
SHGC (PF < 0.2):	U-FACTOR 0.36 MAX
ROOF INSULATION:	R-30ci MIN (TABLE C402.1.3)
ABOVE GRADE WALLS:	U-FACTOR 0.064 MAX (TABLE C402.1.4)
	PROVIDED: NEW EXTERIOR CAVITY WALL ASSEMBLY
EXTERIOR AIR FILM:	R= 0.17
1/2" THIN BRICK VENEER:	R= 0.06
BACKER PANEL:	R= 0.61
2" RIGID INSULATION:	R= 10.00
5/8" GYPSUM SHEATHING:	R= 0.56
6" BATT INSULATION:	R= 18.84
5/8" GYPSUM BOARD:	R= 0.56
INTERIOR AIR FILM:	R= 0.68
TOTAL:	R= 31.48 = 0.032 U-FACTOR

LEGEND:
● ● ● ● NEW 2-HOUR FIRE BARRIER



KEY PLAN
OSSINING HIGH SCHOOL
NOT TO SCALE

PLAN NORTH

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SCALE AS NOTED

SHEET TITLE
FIRST FLOOR OVERALL PLAN

PROJECT NUMBER
14428.13

OHS
A000
DRAWING NUMBER

Plotted By: Mark Johnson
Date last plotted: 11/9/2021 1:00 PM
Date last accessed: 6/7/2021 1:29 PM
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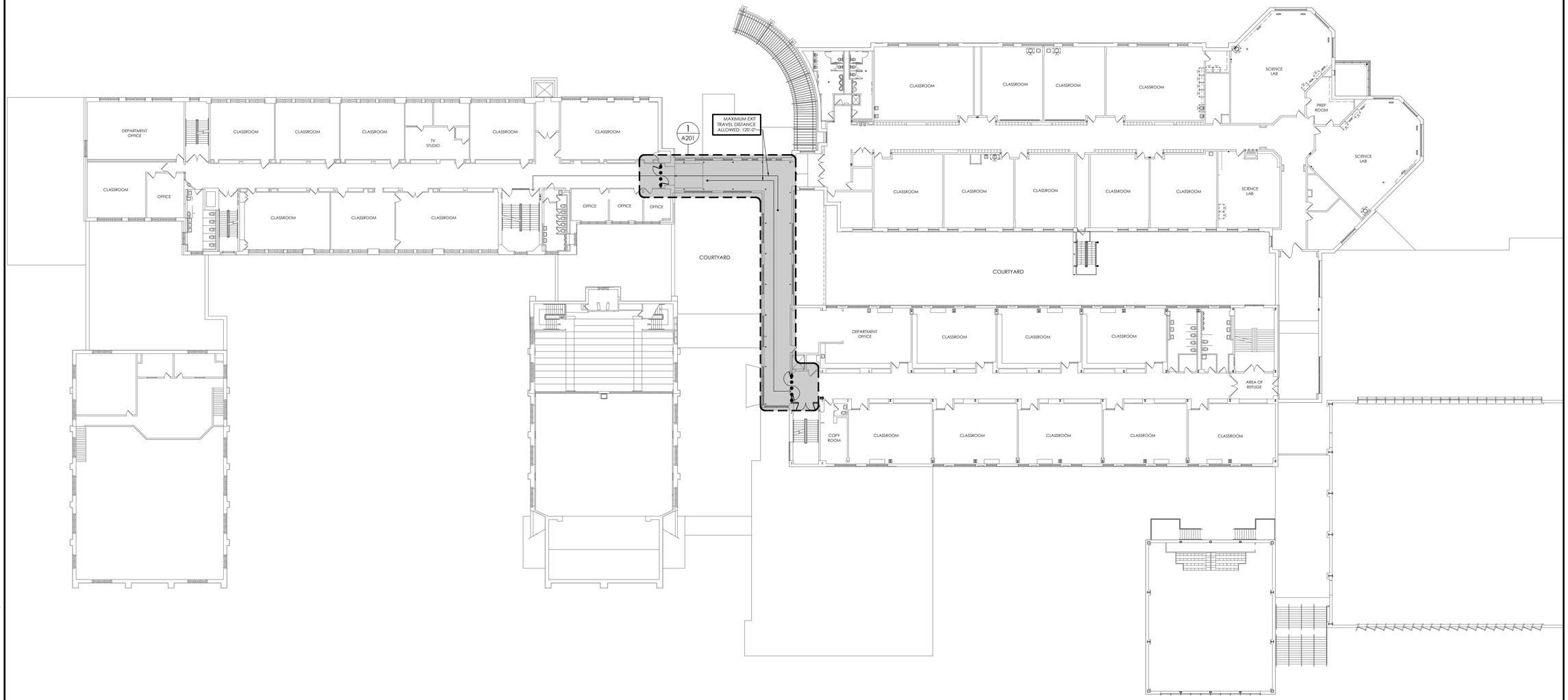
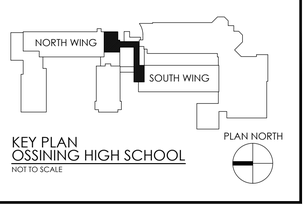


1 / A001 SECOND FLOOR OVERALL PLAN
SCALE: 1" = 20'-0"

LEGEND:

● ● ● ● NEW 2-HOUR FIRE BARRIER



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SCALE AS NOTED

SHEET TITLE
SECOND FLOOR
OVERALL PLAN

PROJECT NUMBER
14428.13

OHS
A001
DRAWING NUMBER

Plotted By: Mark Johnson
Date last plotted: 11/9/2021 1:01 PM
Date last accessed: 6/7/2021 1:29 PM
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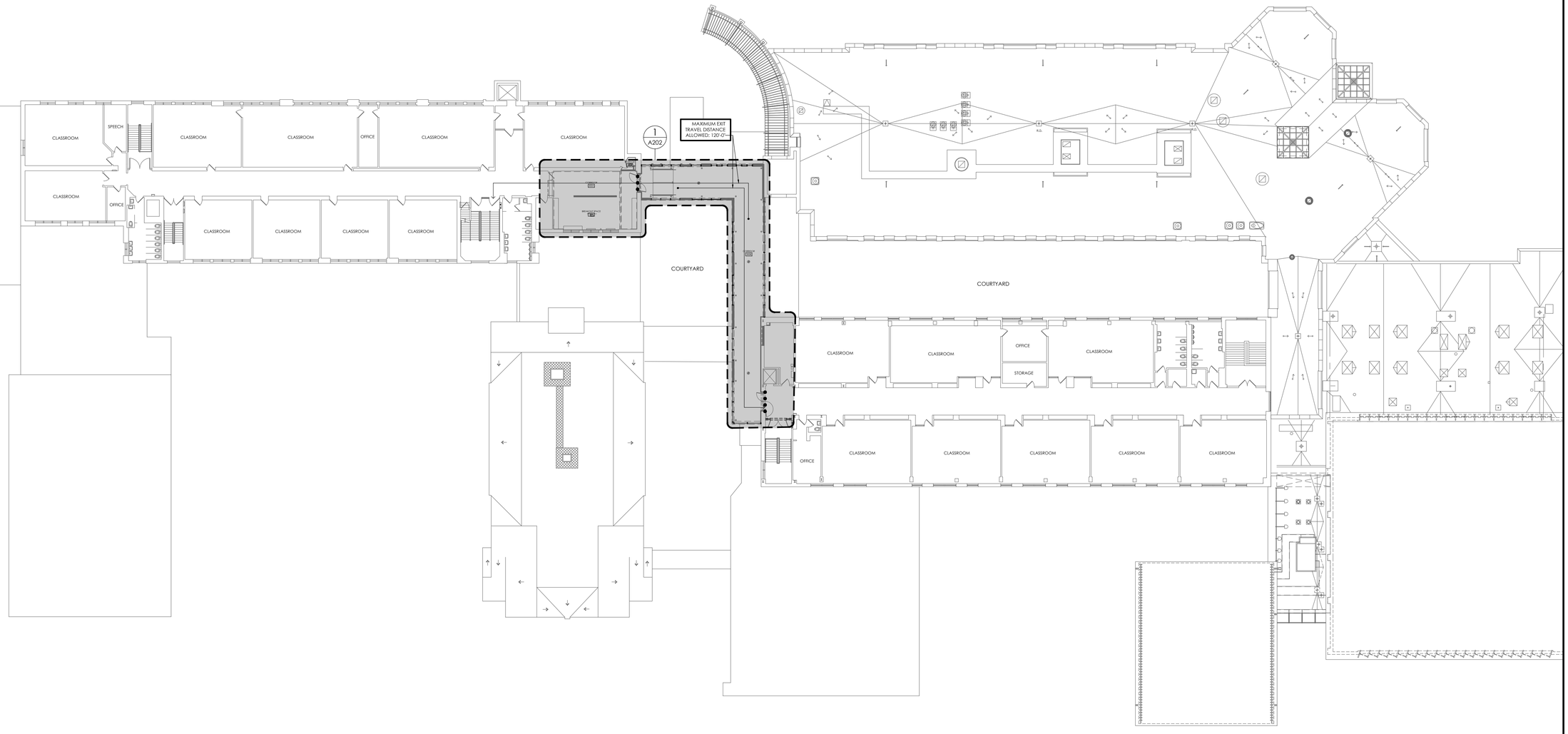
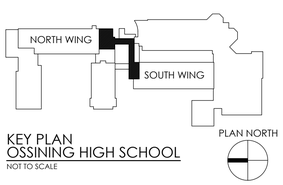


1 A002 THIRD FLOOR OVERALL PLAN
SCALE: 1" = 20'-0"

LEGEND:
NEW 2-HOUR FIRE BARRIER



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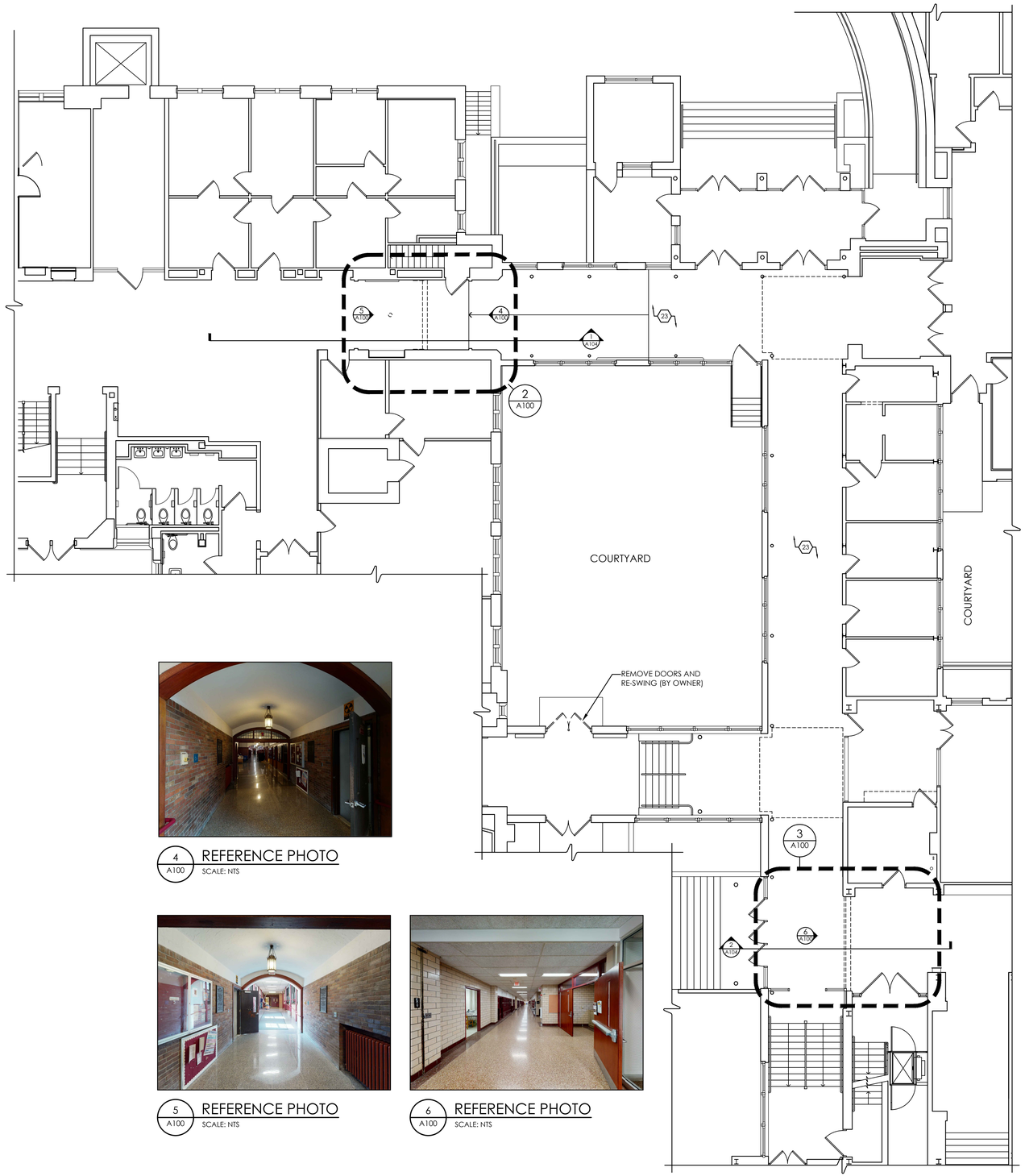
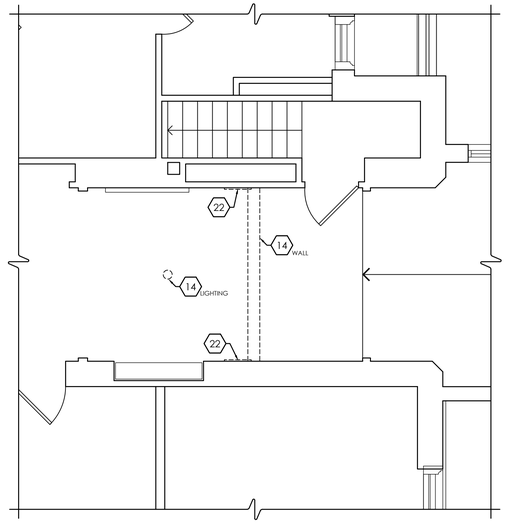
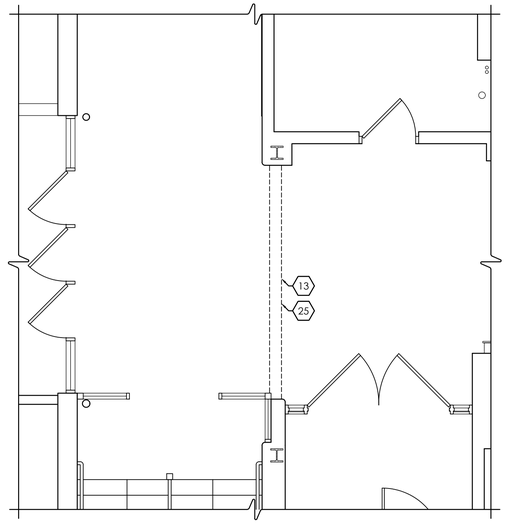


1 A100 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



2 A100 ENLARGED DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



3 A100 ENLARGED DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

4 A100 REFERENCE PHOTO
SCALE: NTS

5 A100 REFERENCE PHOTO
SCALE: NTS

6 A100 REFERENCE PHOTO
SCALE: NTS

GENERAL DEMOLITION NOTES:

A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND DETAILS INVOLVED IN THE DEMOLITION WORK.

B. THE OWNER SHALL PROVIDE THE CONTRACTOR WITH A LIST OF ALL ITEMS TO BE SALVAGED PRIOR TO CONSTRUCTION.

C. THE CONTRACTOR SHALL PROTECT ADJACENT SURFACES AND FINISHES NOT SCHEDULED FOR DEMOLITION WORK AND SHALL REPAIR ANY DAMAGED AREAS AS A RESULT OF CONTRACTED WORK AT NO ADDITIONAL COST TO THE OWNER.

D. THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WORK WITH THE OVERALL PROJECT PHASING.

E. THE CONTRACTOR SHALL MAINTAIN AND CONTINUE SAFE ACCESS TO ALL EXITS FOR THE BUILDING OCCUPANTS DURING CONSTRUCTION.

DEMOLITION NOTES:

1. REMOVE EXISTING WINDOW & FRAME IN ITS ENTIRETY.
2. REMOVE EXISTING WALL IN ITS ENTIRETY. PATCH ADJACENT AREAS WITH LIKE CONSTRUCTION AS NECESSARY. PREPARE AREA TO ACCOMMODATE NEW WORK.
3. REMOVE EXISTING DOOR AND FRAME. PREPARE AREA TO ACCOMMODATE NEW WORK.
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8. REMOVE EXISTING VINYL FLOORING AS NEEDED TO ACCOMMODATE FOR NEW WORK. PATCH TO MATCH EXISTING.
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17. REMOVE PORTION OF WALL TO ACCOMMODATE FOR NEW WORK. PATCH AS NECESSARY.
18. CUT OFF CANTILEVER OF EXISTING CONCRETE FLOOR/ROOF SLAB. SEE STRUCTURAL.
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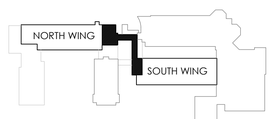
25. REMOVE EXISTING OVERHEAD COILING DOOR FROM ABOVE CEILING TO ACCOMMODATE FOR NEW WORK.
26. MODIFY EXISTING DROP CEILING SYSTEM TO ACCOMMODATE NEW WORK.



KEY PLAN
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NOT TO SCALE

PLAN NORTH

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SHEET TITLE
FIRST FLOOR
DEMOLITION PLAN

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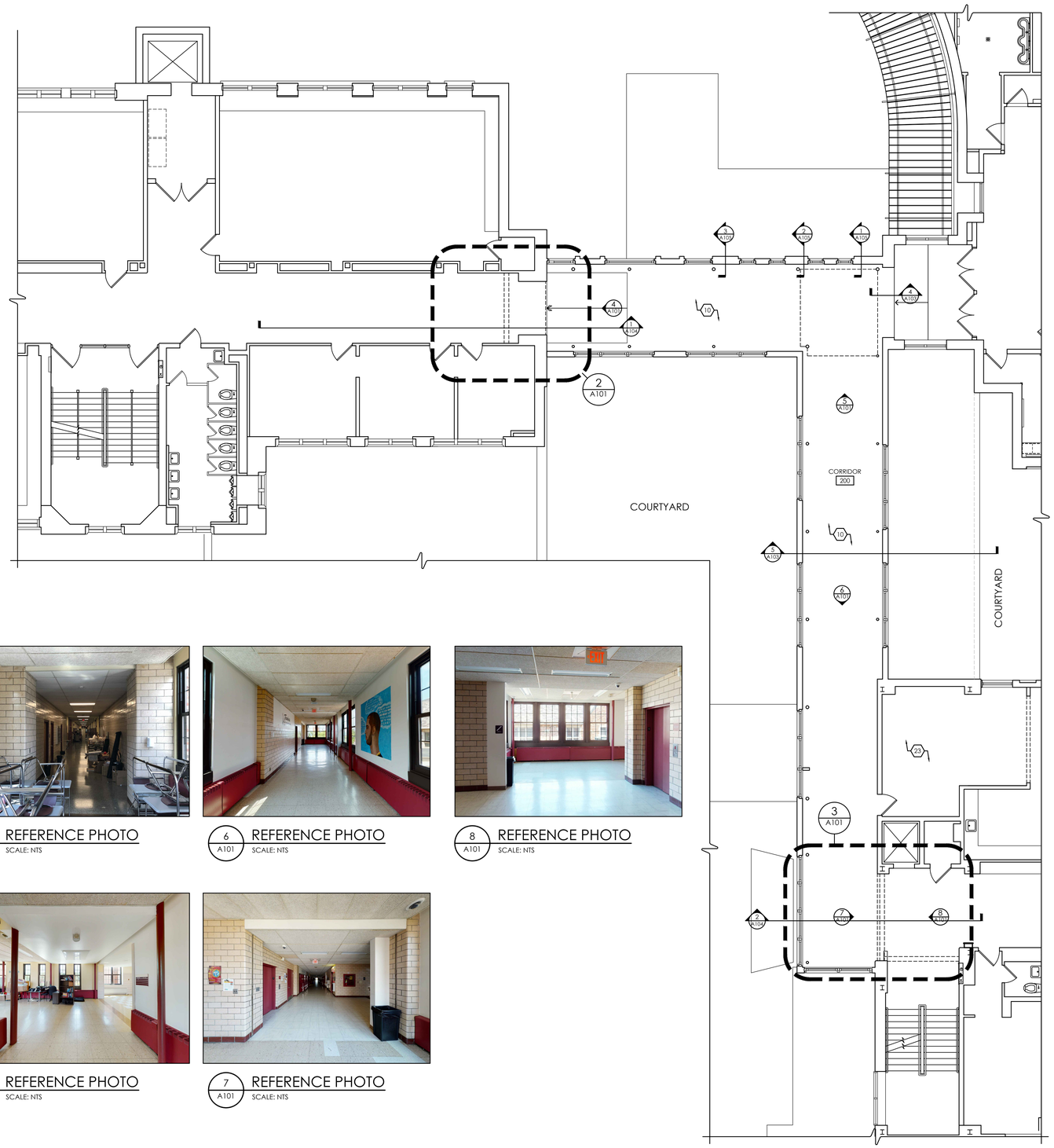
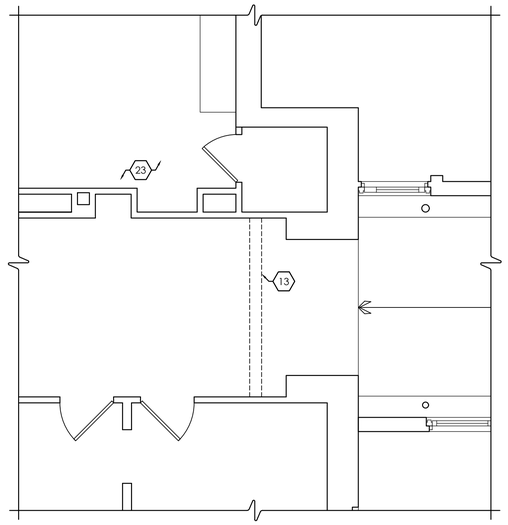
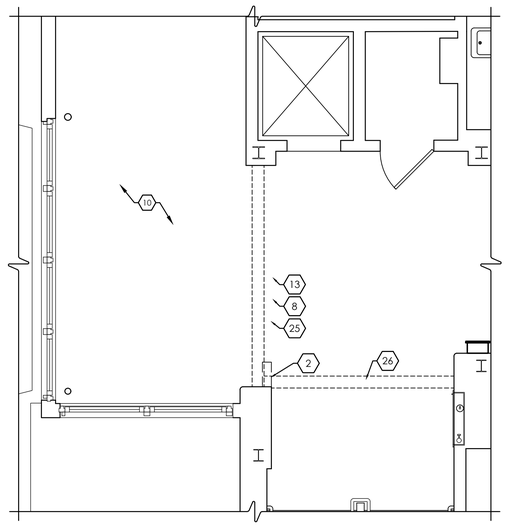


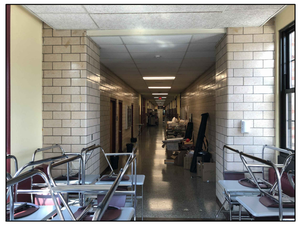
1 A101 SECOND FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



2 A101 ENLARGED DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



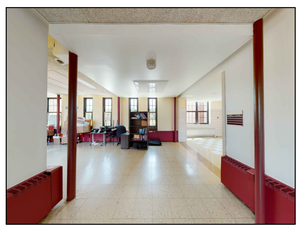
3 A101 ENLARGED DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



4 A101 REFERENCE PHOTO
SCALE: NTS

6 A101 REFERENCE PHOTO
SCALE: NTS

8 A101 REFERENCE PHOTO
SCALE: NTS



5 A101 REFERENCE PHOTO
SCALE: NTS

7 A101 REFERENCE PHOTO
SCALE: NTS

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9. REMOVE EXISTING WALL BASE IN ITS ENTIRETY. PREPARE FOR NEW WORK
10. REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED ITEMS SUCH AS HANGERS, CLIPS, ETC. REMOVE ALL ITEMS AS REQUIRED TO ALLOW ACCESS TO UNDERSIDE OF CONCRETE DECK, INCLUDING ABANDONED FORMWORK. PREPARE FOR NEW WORK, INCLUDING PREPARING UNDERSIDE OF CONCRETE DECK TO INTERNATIONAL CONCRETE REPAIR INSTITUTE (ICRI) CONCRETE SURFACE PROFILE CSP-3. PATCH CONCRETE DECK AS NEEDED TO ACCOMMODATE NEW WORK.
11. REMOVE EXISTING MECHANICAL FIN TUBE AND COVER IN ITS ENTIRETY TO ACCOMMODATE FOR NEW WORK.
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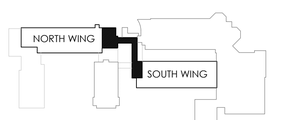
24. MODIFY EXISTING GYPSUM BOARD CEILING AS REQUIRED TO ACCOMMODATE NEW WORK.
25. REMOVE EXISTING OVERHEAD COILING DOOR FROM ABOVE CEILING TO ACCOMMODATE FOR NEW WORK.
26. MODIFY EXISTING DROP CEILING SYSTEM TO ACCOMMODATE NEW WORK.



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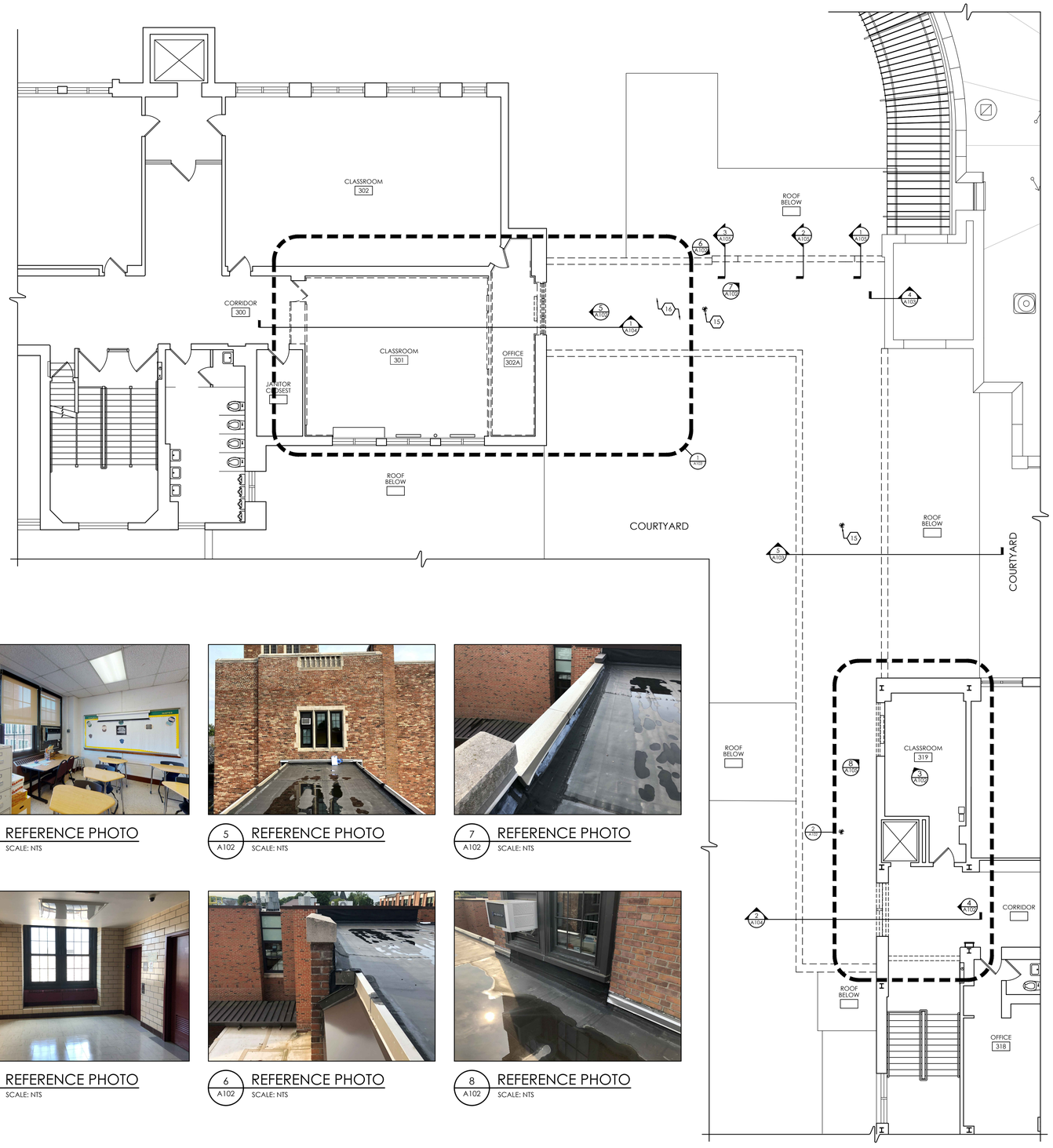
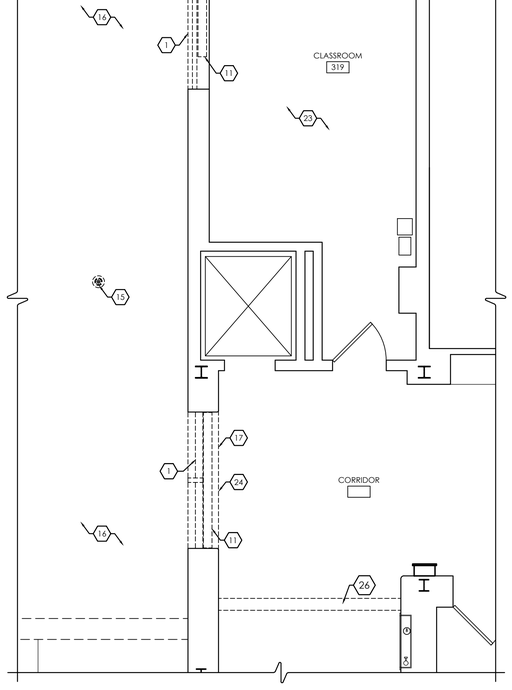
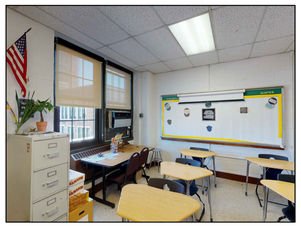


1 A102 THIRD FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



2 A102 ENLARGED DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



3 A102 REFERENCE PHOTO
SCALE: NTS

5 A102 REFERENCE PHOTO
SCALE: NTS

7 A102 REFERENCE PHOTO
SCALE: NTS

4 A102 REFERENCE PHOTO
SCALE: NTS

6 A102 REFERENCE PHOTO
SCALE: NTS

8 A102 REFERENCE PHOTO
SCALE: NTS

GENERAL DEMOLITION NOTES:

A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND DETAILS INVOLVED IN THE DEMOLITION WORK.

B. THE OWNER SHALL PROVIDE THE CONTRACTOR WITH A LIST OF ALL ITEMS TO BE SALVAGED PRIOR TO CONSTRUCTION.

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D. THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WORK WITH THE OVERALL PROJECT PHASING.

E. THE CONTRACTOR SHALL MAINTAIN AND CONTINUE SAFE ACCESS TO ALL EXITS FOR THE BUILDING OCCUPANTS DURING CONSTRUCTION.

DEMOLITION NOTES:

1. REMOVE EXISTING WINDOW & FRAME IN ITS ENTIRETY.
2. REMOVE EXISTING WALL IN ITS ENTIRETY. PATCH ADJACENT AREAS WITH LIKE CONSTRUCTION AS NECESSARY. PREPARE AREA TO ACCOMMODATE NEW WORK.
3. REMOVE EXISTING DOOR AND FRAME. PREPARE AREA TO ACCOMMODATE NEW WORK.
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24. MODIFY EXISTING GYPSUM BOARD CEILING AS REQUIRED TO ACCOMMODATE NEW WORK.
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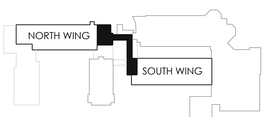
26. MODIFY EXISTING DROP CEILING SYSTEM TO ACCOMMODATE NEW WORK.



KEY PLAN
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REVISIONS NO.	DATE	BY	DESCRIPTION
1	06/03/2021	NWH	SED ADDENDUM 01

OSSINING UFSD
OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

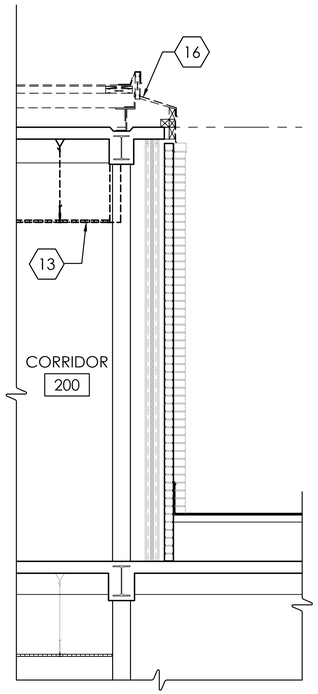
DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

SCALE AS NOTED

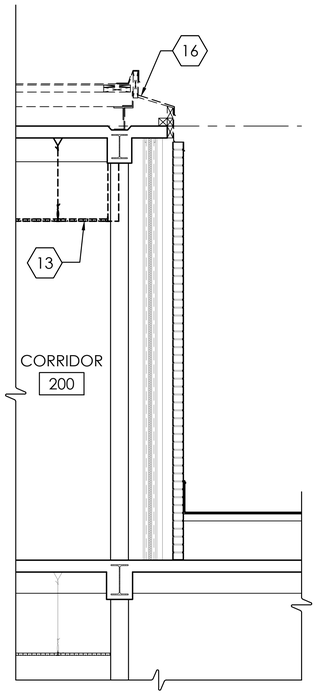
SHEET TITLE
THIRD FLOOR
DEMOLITION PLAN

PROJECT NUMBER
14428.13

OHS
A102
DRAWING NUMBER



2 A103 DEMOLITION WALL SECTION
SCALE: 1/2" = 1'-0"



3 A103 DEMOLITION WALL SECTION
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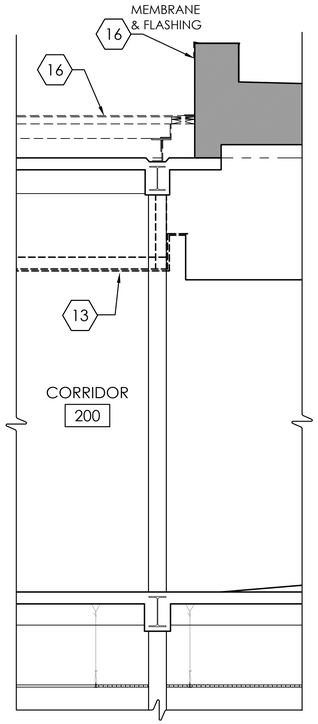
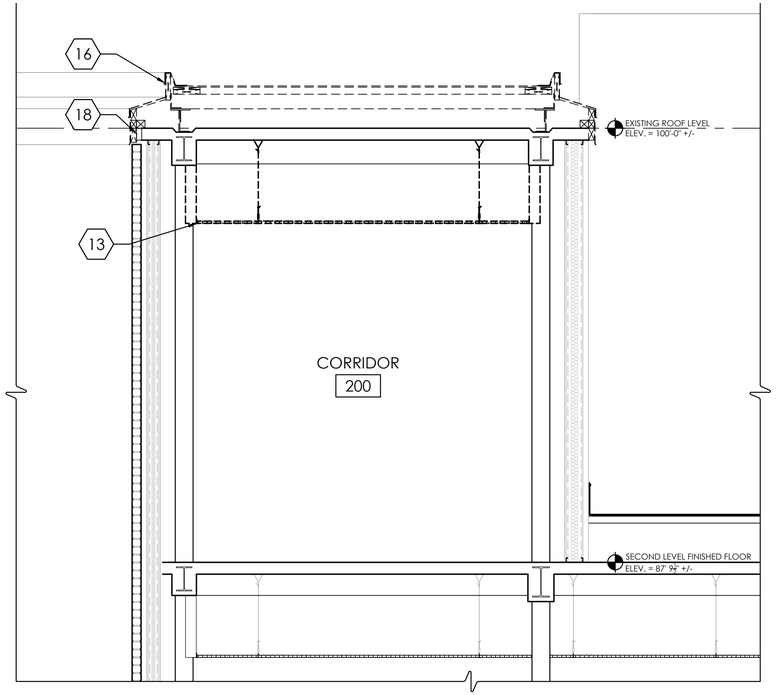
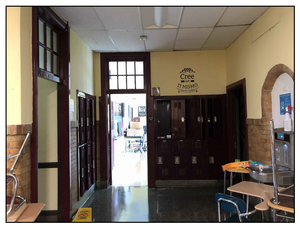


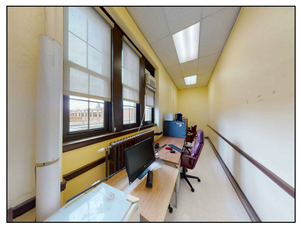
4 A103 DEMOLITION WALL SECTION
SCALE: 1/2" = 1'-0"



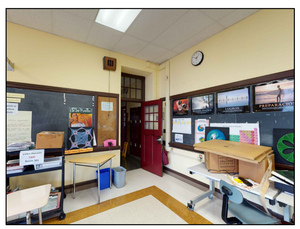
5 A103 DEMOLITION SECTION THROUGH CORRIDOR
SCALE: 1/2" = 1'-0"



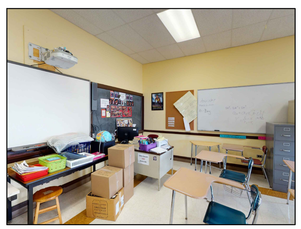
6 A103 REFERENCE PHOTO
SCALE: NTS



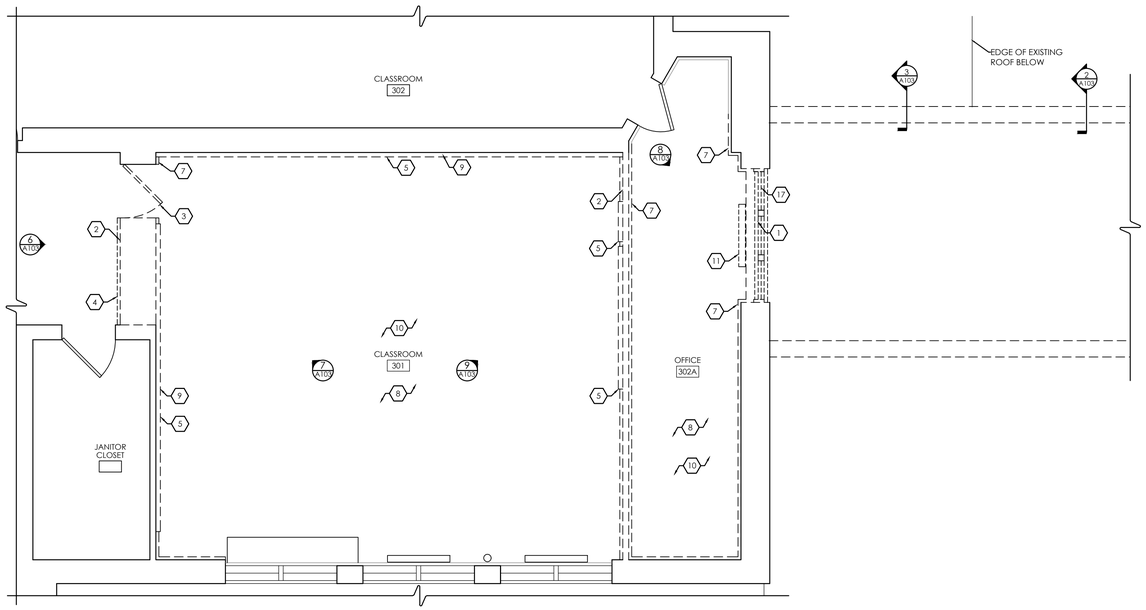
8 A103 REFERENCE PHOTO
SCALE: NTS



7 A103 REFERENCE PHOTO
SCALE: NTS



9 A103 REFERENCE PHOTO
SCALE: NTS



1 A103 ENLARGED DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

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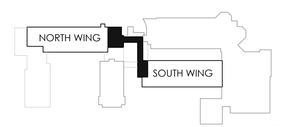

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THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

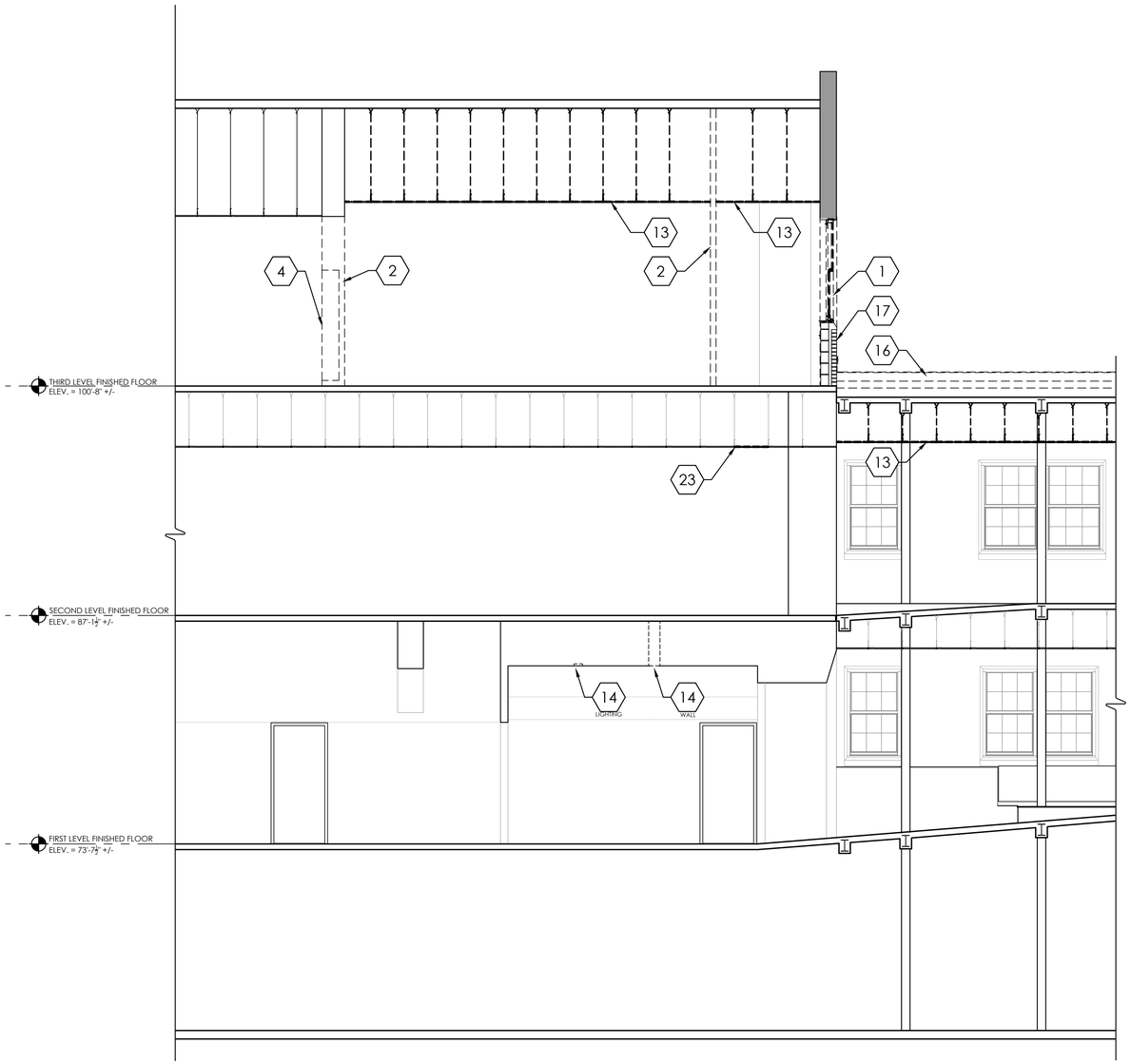
DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

SCALE AS NOTED

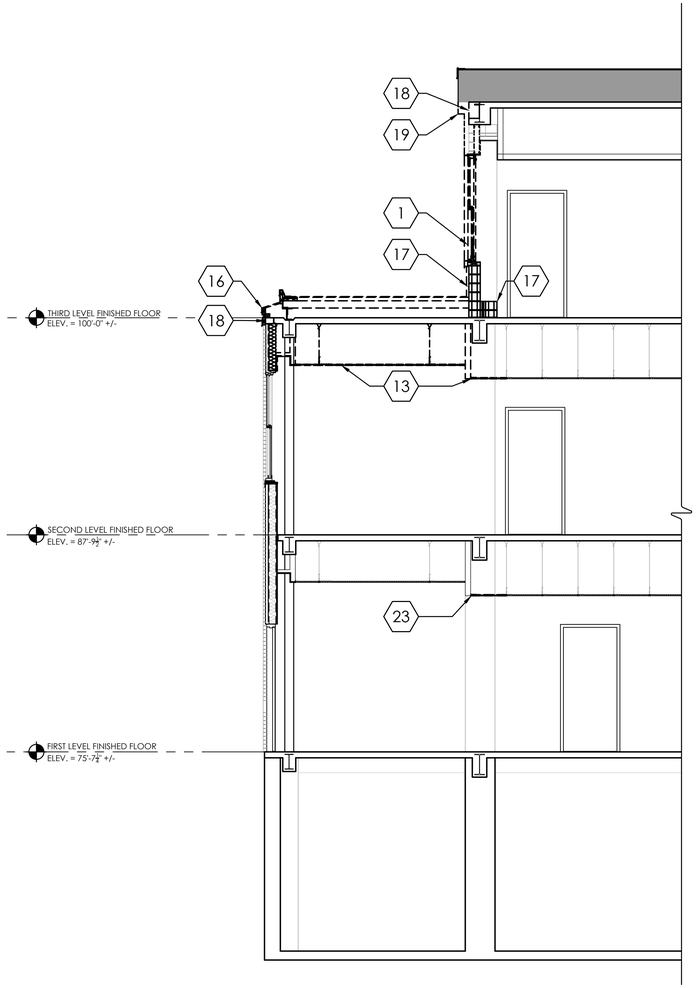
SHEET TITLE
THIRD FLOOR
DEMOLITION PLAN
& SECTIONS

PROJECT NUMBER
14428.13

OHS
A103
DRAWING NUMBER



1 A104 DEMOLITION SECTION @ ORIGINAL BUILDING
SCALE: 1/4" = 1'-0"



2 A104 DEMOLITION SECTION @ 1955 ADDITION
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

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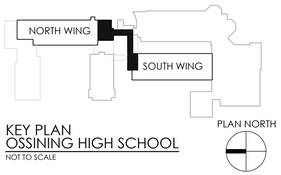

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THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

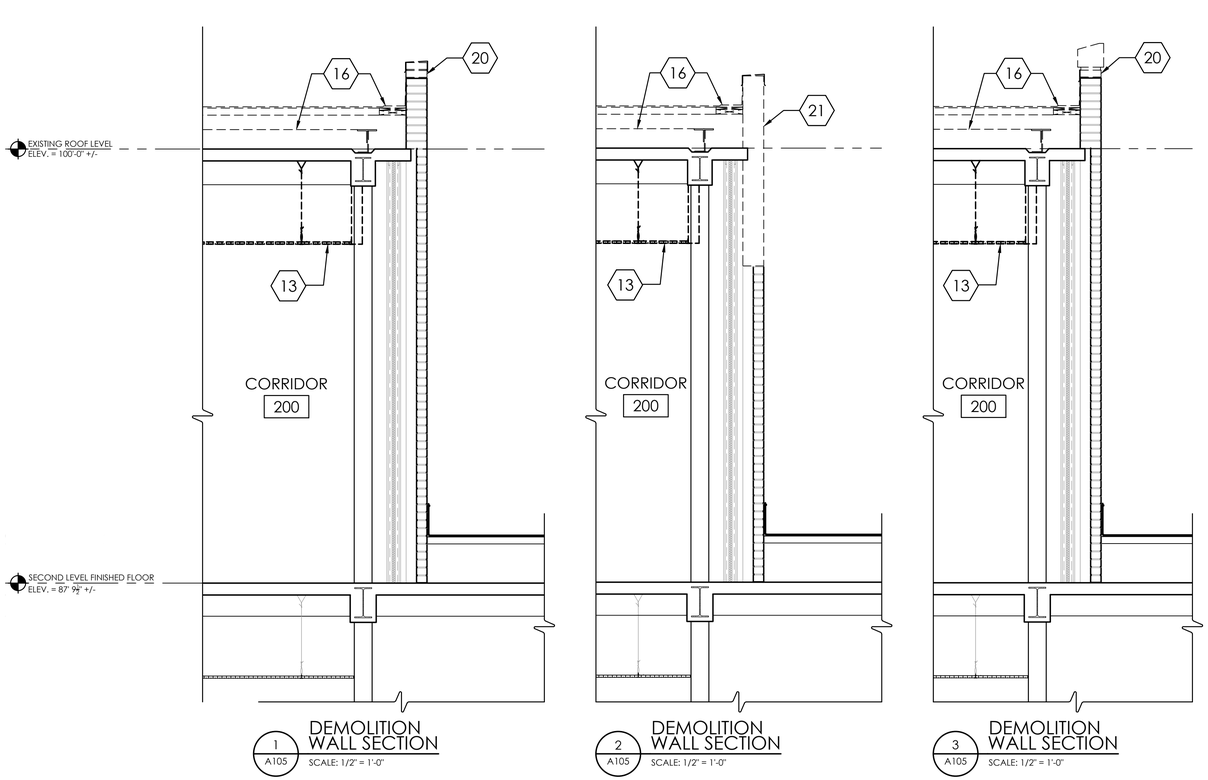
SCALE AS NOTED

SHEET TITLE
EXISTING BUILDING
DEMOLITION SECTIONS

PROJECT NUMBER
14428.13

OHS
A104
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ARCH\A1\OHS A100.dwg
Date last accessed: 11/12/2021 11:30 AM
Date last plotted: 11/18/2021 2:17 PM
Plotted By: Mark Johnson



1 A105 DEMOLITION WALL SECTION
SCALE: 1/2" = 1'-0"

2 A105 DEMOLITION WALL SECTION
SCALE: 1/2" = 1'-0"

3 A105 DEMOLITION WALL SECTION
SCALE: 1/2" = 1'-0"

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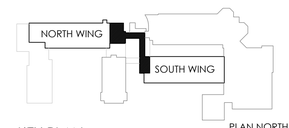
25. REMOVE EXISTING OVERHEAD COILING DOOR FROM ABOVE CEILING TO ACCOMMODATE FOR NEW WORK.
26. MODIFY EXISTING DROP CEILING SYSTEM TO ACCOMMODATE NEW WORK.



KEY PLAN
OSSINING HIGH SCHOOL
NOT TO SCALE

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OSSINING UFSD
OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

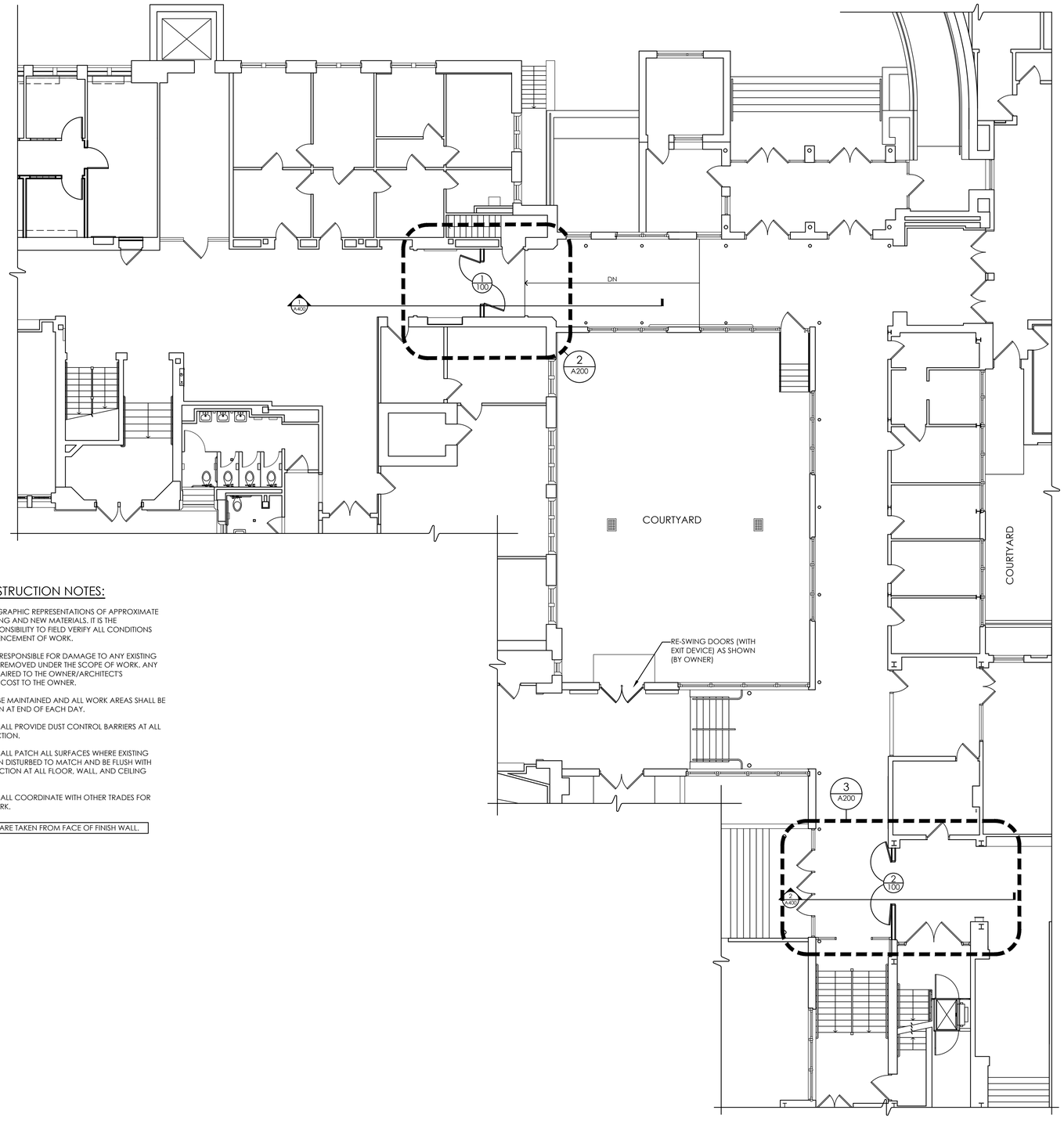
DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

SCALE AS NOTED

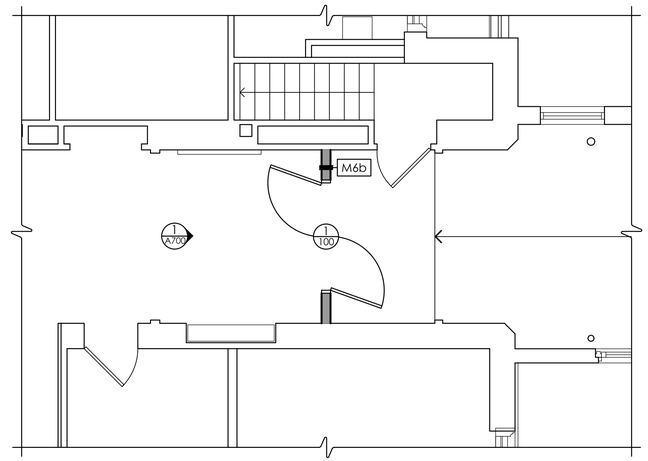
SHEET TITLE
EXISTING BUILDING
DEMOLITION SECTIONS

PROJECT NUMBER
14428.13

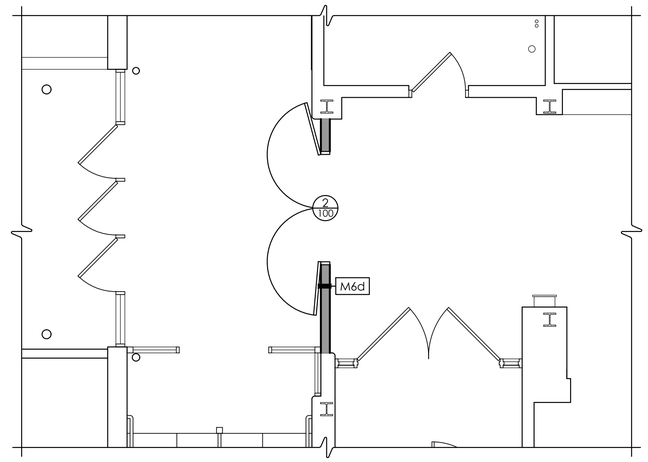
OHS
A105
DRAWING NUMBER



1 A200 FIRST FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"



2 A200 ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"



3 A200 ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

GENERAL CONSTRUCTION NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO TO COMMENCEMENT OF WORK.
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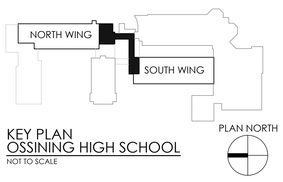
6. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.

NOTE: ALL DIMENSIONS ARE TAKEN FROM FACE OF FINISH WALL.



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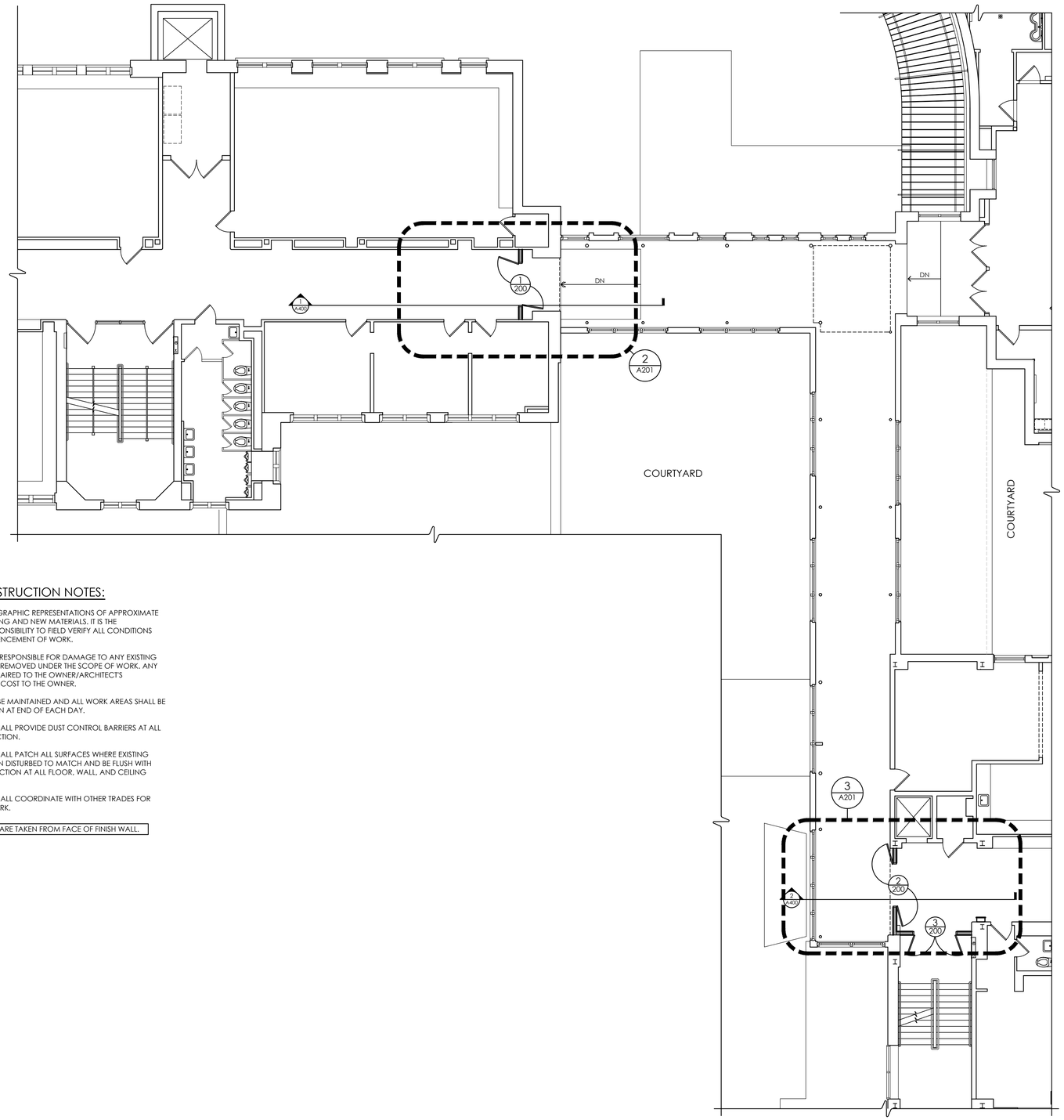
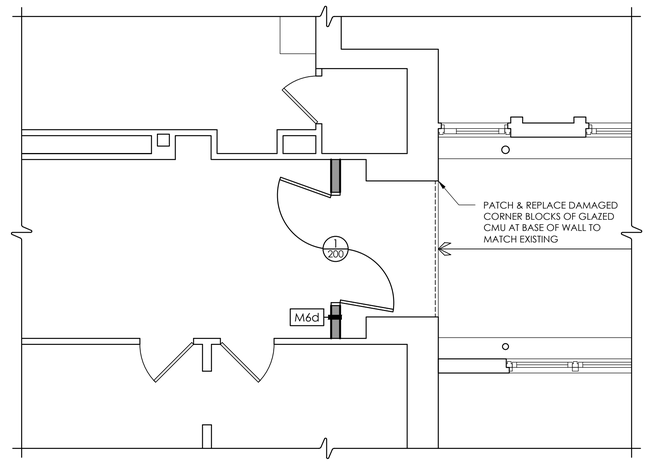
SHEET TITLE
FIRST FLOOR
NEW WORK PLAN

PROJECT NUMBER
14428.13

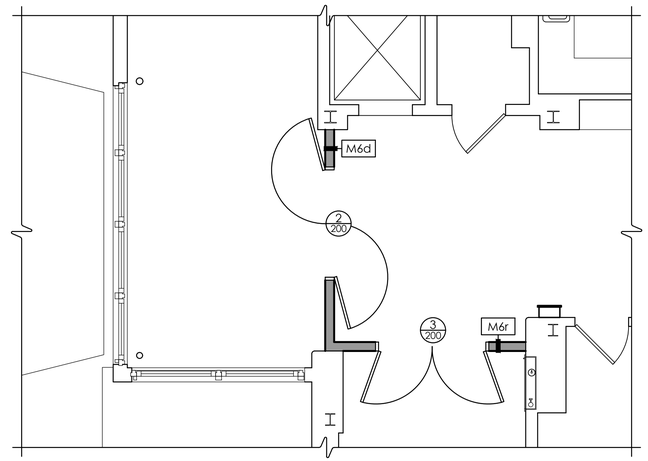
OHS
A200
DRAWING NUMBER



1 A201 SECOND FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"



2 A201 ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"



3 A201 ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

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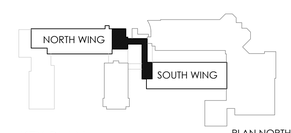

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THIRD FLOOR CONNECTOR
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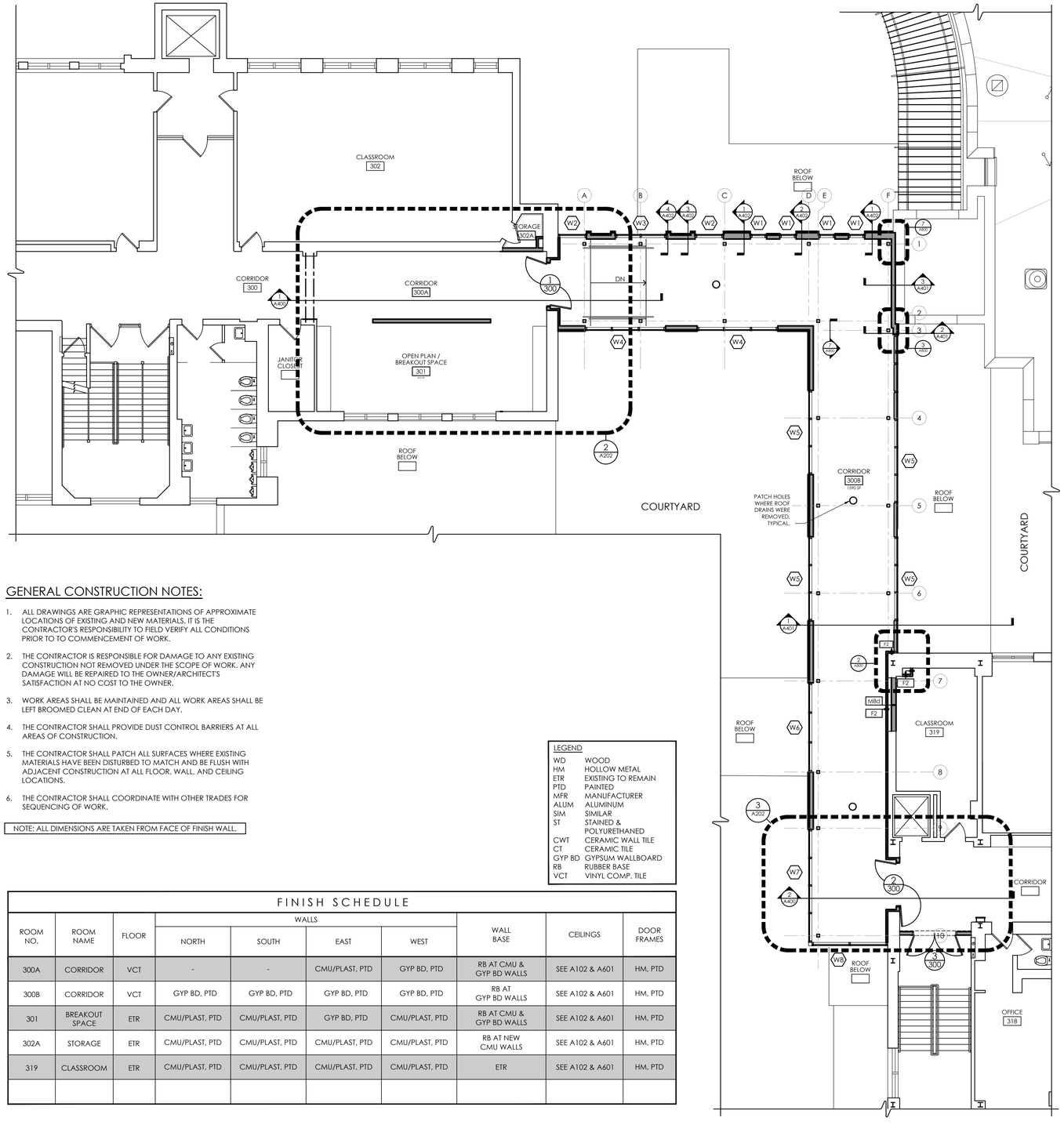
SCALE AS NOTED

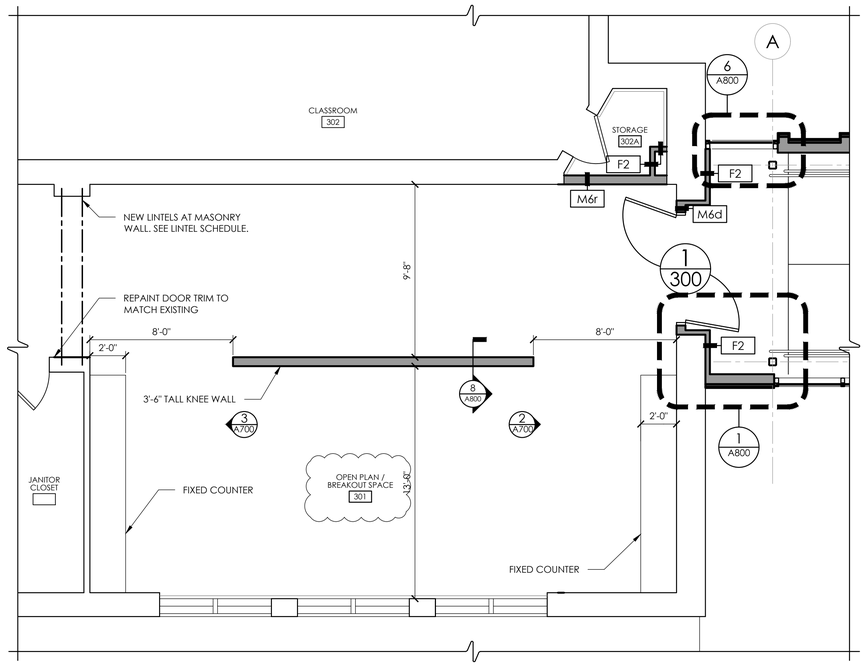
SHEET TITLE
SECOND FLOOR
NEW WORK PLAN

PROJECT NUMBER
14428.13

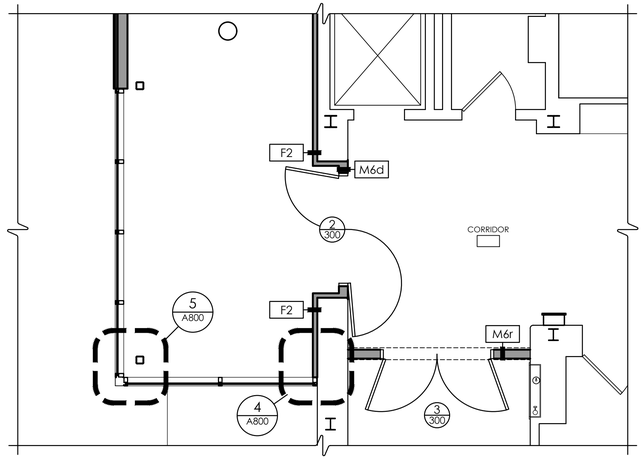
OHS
A201
DRAWING NUMBER



1 / A202 THIRD FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"



2 / A202 ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"



3 / A202 ENLARGED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

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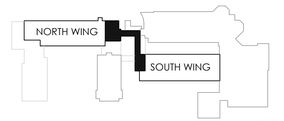
NOTE: ALL DIMENSIONS ARE TAKEN FROM FACE OF FINISH WALL.

LEGEND

WD	WOOD
HM	HOLLOW METAL
ETR	EXISTING TO REMAIN
PTD	PAINTED
MFR	MANUFACTURER
ALUM	ALUMINUM
SIM	SIMILAR
ST	STAINED & POLYURETHANED
CWT	CERAMIC WALL TILE
CT	CERAMIC TILE
GYP BD	GYPSUM WALLBOARD
RB	RUBBER BASE
VCT	VINYL COMP. TILE

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	WALLS				WALL BASE	CEILINGS	DOOR FRAMES
			NORTH	SOUTH	EAST	WEST			
300A	CORRIDOR	VCT	-	-	CMU/PLAST, PTD	GYP BD, PTD	RB AT CMU & GYP BD WALLS	SEE A102 & A601	HM, PTD
300B	CORRIDOR	VCT	GYP BD, PTD	GYP BD, PTD	GYP BD, PTD	GYP BD, PTD	RB AT GYP BD WALLS	SEE A102 & A601	HM, PTD
301	BREAKOUT SPACE	ETR	CMU/PLAST, PTD	CMU/PLAST, PTD	GYP BD, PTD	CMU/PLAST, PTD	RB AT CMU & GYP BD WALLS	SEE A102 & A601	HM, PTD
302A	STORAGE	ETR	CMU/PLAST, PTD	CMU/PLAST, PTD	CMU/PLAST, PTD	CMU/PLAST, PTD	RB AT NEW CMU WALLS	SEE A102 & A601	HM, PTD
319	CLASSROOM	ETR	CMU/PLAST, PTD	CMU/PLAST, PTD	CMU/PLAST, PTD	CMU/PLAST, PTD	ETR	SEE A102 & A601	HM, PTD



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REVISIONS NO.	DATE	BY	DESCRIPTION
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THIRD FLOOR CONNECTOR
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SED #: 66-14-01-03-0-003-040

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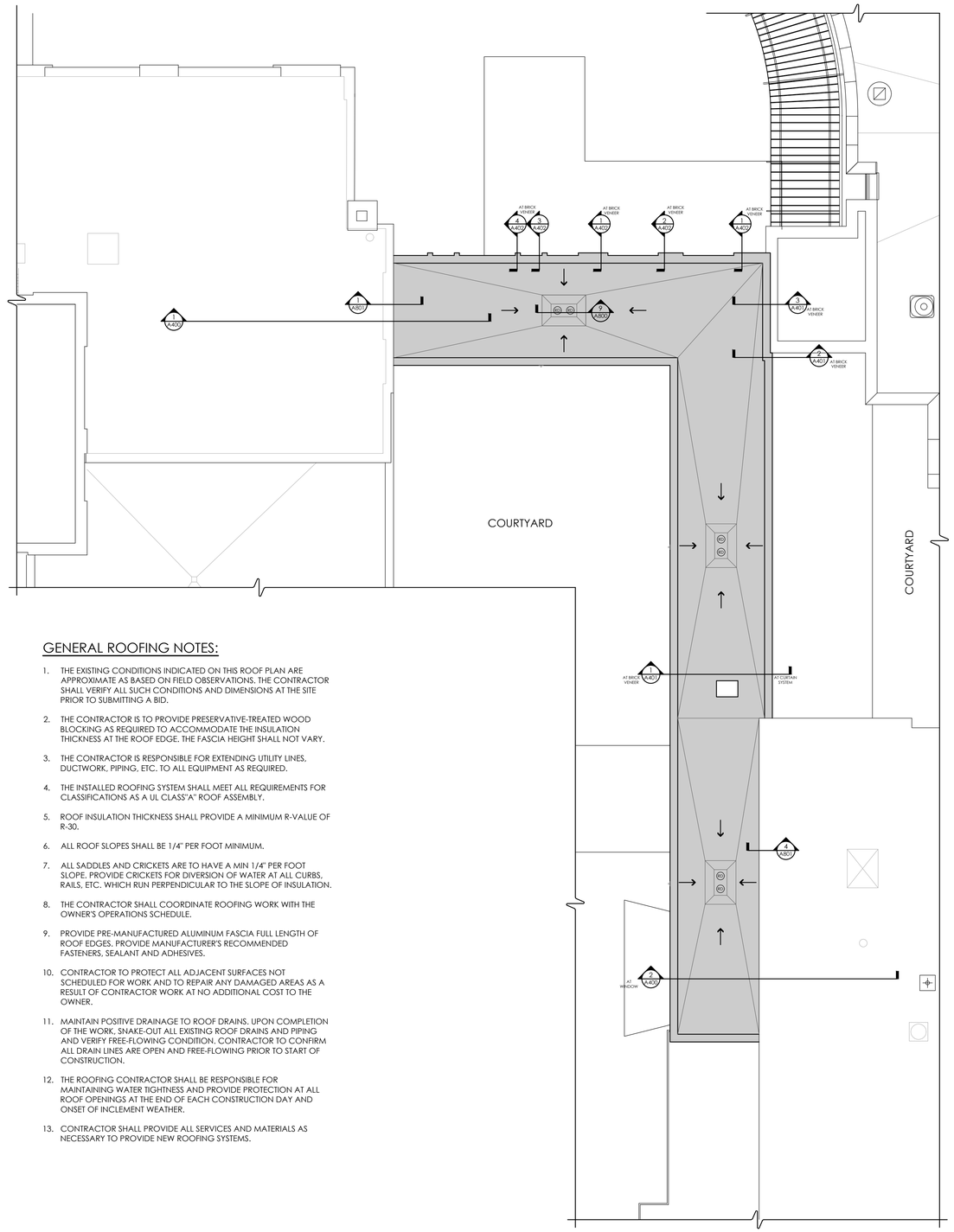
SCALE AS NOTED

SHEET TITLE
THIRD FLOOR
NEW WORK PLAN

PROJECT NUMBER
14428.13

OHS
A202
DRAWING NUMBER

Plotted By: Mark Johnson
Date last plotted: 11/9/2021 1:10 PM
Date last accessed: 6/3/2021 5:21 PM
Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ARCH\A2\OHS A200.dwg



1 A203 NEW WORK ROOF PLAN
SCALE: 1/8" = 1'-0"

GENERAL CONSTRUCTION NOTES:

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6. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.

NOTE: ALL DIMENSIONS ARE TAKEN FROM FACE OF FINISH WALL.

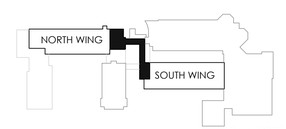
ROOF LEGEND

RD ROOF DRAIN. SEE DETAIL 9/A800

NEW ROOFING SYSTEM.

GENERAL ROOFING NOTES:

1. THE EXISTING CONDITIONS INDICATED ON THIS ROOF PLAN ARE APPROXIMATE AS BASED ON FIELD OBSERVATIONS. THE CONTRACTOR SHALL VERIFY ALL SUCH CONDITIONS AND DIMENSIONS AT THE SITE PRIOR TO SUBMITTING A BID.
2. THE CONTRACTOR IS TO PROVIDE PRESERVATIVE-TREATED WOOD BLOCKING AS REQUIRED TO ACCOMMODATE THE INSULATION THICKNESS AT THE ROOF EDGE. THE FASCIA HEIGHT SHALL NOT VARY.
3. THE CONTRACTOR IS RESPONSIBLE FOR EXTENDING UTILITY LINES, DUCTWORK, PIPING, ETC. TO ALL EQUIPMENT AS REQUIRED.
4. THE INSTALLED ROOFING SYSTEM SHALL MEET ALL REQUIREMENTS FOR CLASSIFICATIONS AS A UL CLASS"A" ROOF ASSEMBLY.
5. ROOF INSULATION THICKNESS SHALL PROVIDE A MINIMUM R-VALUE OF R-30.
6. ALL ROOF SLOPES SHALL BE 1/4" PER FOOT MINIMUM.
7. ALL SADDLES AND CRICKETS ARE TO HAVE A MIN 1/4" PER FOOT SLOPE. PROVIDE CRICKETS FOR DIVERSION OF WATER AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF INSULATION.
8. THE CONTRACTOR SHALL COORDINATE ROOFING WORK WITH THE OWNER'S OPERATIONS SCHEDULE.
9. PROVIDE PRE-MANUFACTURED ALUMINUM FASCIA FULL LENGTH OF ROOF EDGES. PROVIDE MANUFACTURER'S RECOMMENDED FASTENERS, SEALANT AND ADHESIVES.
10. CONTRACTOR TO PROTECT ALL ADJACENT SURFACES NOT SCHEDULED FOR WORK AND TO REPAIR ANY DAMAGED AREAS AS A RESULT OF CONTRACTOR WORK AT NO ADDITIONAL COST TO THE OWNER.
11. MAINTAIN POSITIVE DRAINAGE TO ROOF DRAINS. UPON COMPLETION OF THE WORK, SNAKE-OUT ALL EXISTING ROOF DRAINS AND PIPING AND VERIFY FREE-FLOWING CONDITION. CONTRACTOR TO CONFIRM ALL DRAIN LINES ARE OPEN AND FREE-FLOWING PRIOR TO START OF CONSTRUCTION.
12. THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING WATER TIGHTNESS AND PROVIDE PROTECTION AT ALL ROOF OPENINGS AT THE END OF EACH CONSTRUCTION DAY AND ONSET OF INCLEMENT WEATHER.
13. CONTRACTOR SHALL PROVIDE ALL SERVICES AND MATERIALS AS NECESSARY TO PROVIDE NEW ROOFING SYSTEMS.



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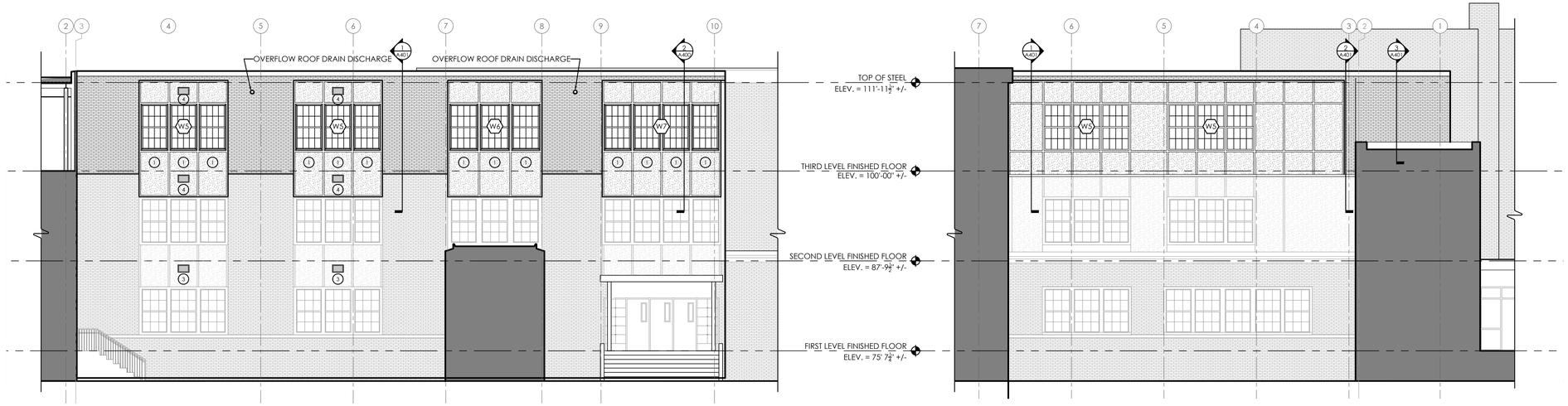
SCALE AS NOTED

SHEET TITLE
NEW WORK
ROOF PLAN

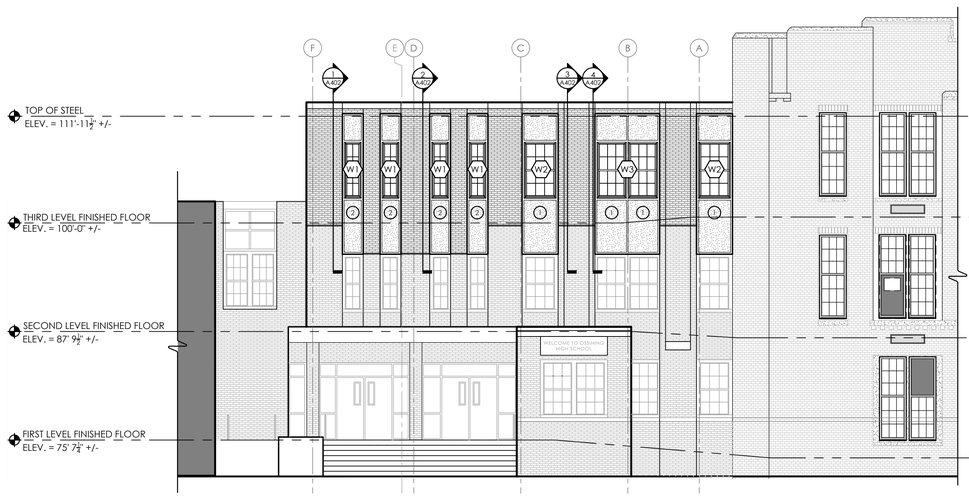
PROJECT NUMBER
14428.13

OHS
A203
DRAWING NUMBER

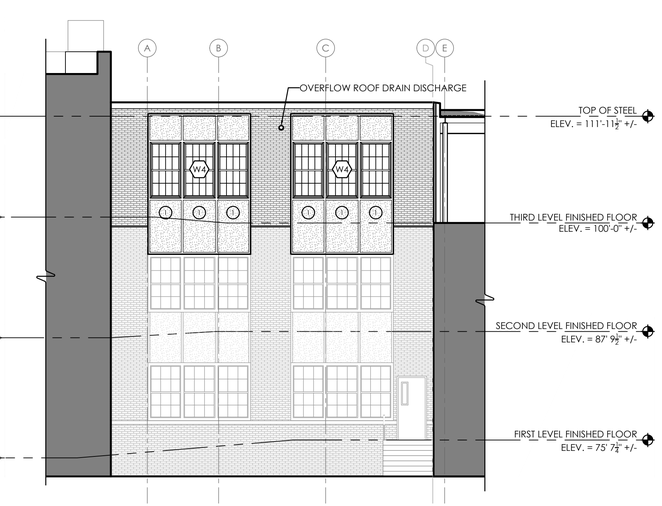


1 A300 NORTH ELEVATION @ COURTYARD
SCALE: 1/8" = 1'-0"

2 A300 SOUTH ELEVATION @ COURTYARD
SCALE: 1/8" = 1'-0"



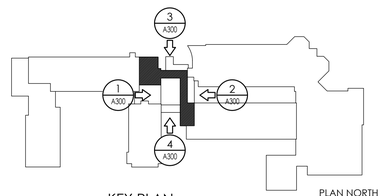
3 A300 EAST ELEVATION @ MAIN ENTRY
SCALE: 1/8" = 1'-0"



4 A300 WEST ELEVATION @ COURTYARD
SCALE: 1/8" = 1'-0"

RECONSTRUCTION NOTES:

1. REPLACE EXISTING EXTERIOR PANEL WITH NEW 1" INSULATED PANEL. SEE A400 DRAWINGS FOR DETAILS.
2. INSTALL NEW 1" INSULATED PANEL WHERE EXISTING SIGN WAS REMOVED. SEE A400 DRAWINGS FOR DETAILS.
3. INSTALL NEW MECHANICAL LOUVER WITHIN EXISTING EXTERIOR PANEL. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION.
4. INSTALL NEW MECHANICAL LOUVER WITHIN NEW/REPLACEMENT INSULATED PANEL. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION



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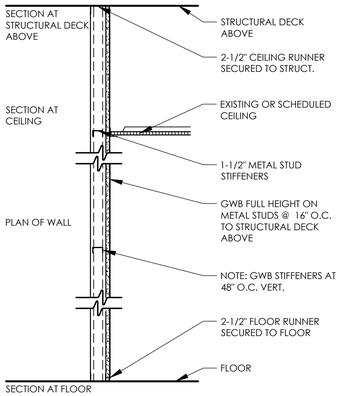
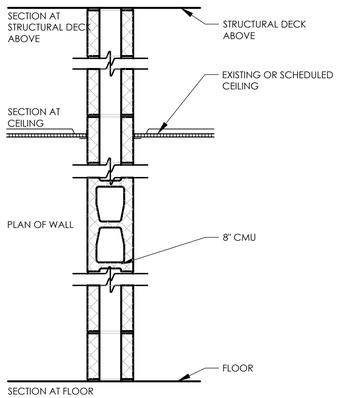
SHEET TITLE
NEW WORK EXTERIOR ELEVATIONS

PROJECT NUMBER
14428.13

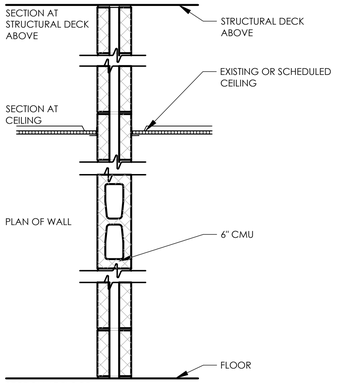
OHS
A300
DRAWING NUMBER



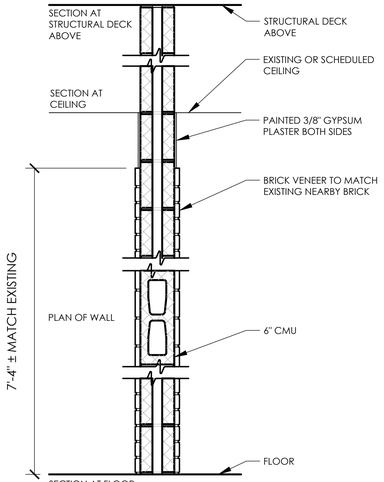
TYPE	FIRE TEST LAB & DESIGN	FIRE RATING	STC
F2	NA	NR	NA



TYPE	FIRE TEST LAB & DESIGN	FIRE RATING	STC
M8d	UL - U905	2 HR	55

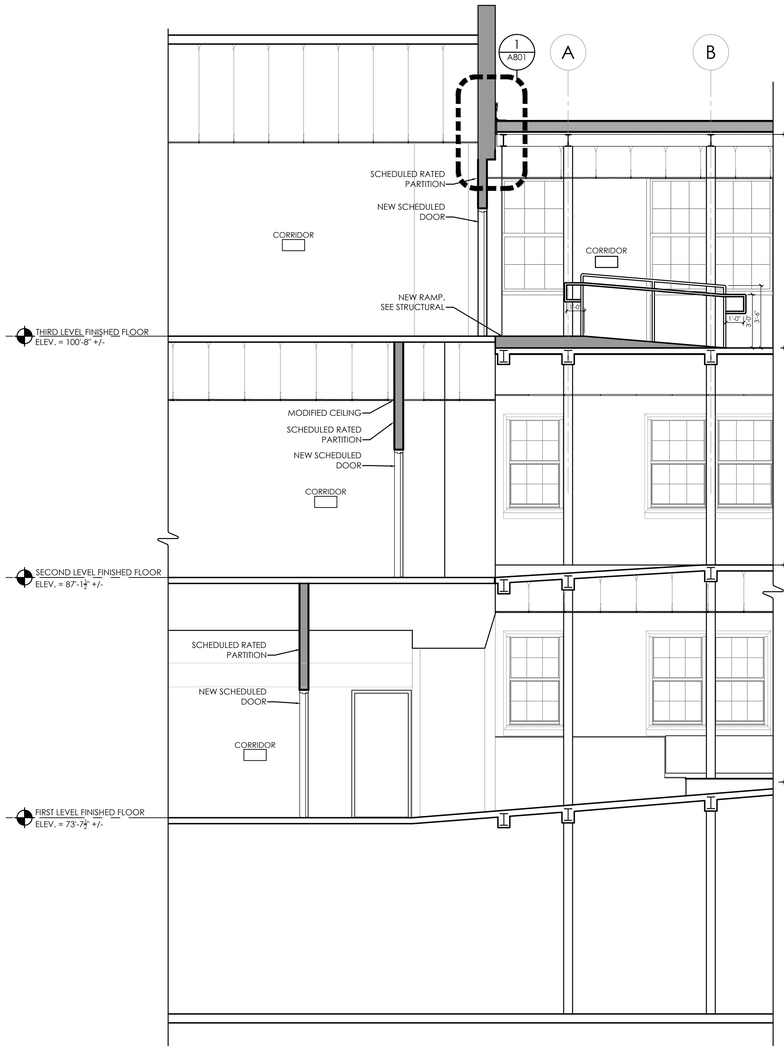


TYPE	FIRE TEST LAB & DESIGN	FIRE RATING	STC
M6r	UL - U906 (OR UL - U905)	1 HR	55
M6d	UL - U906 (OR UL - U905)	2 HR	55

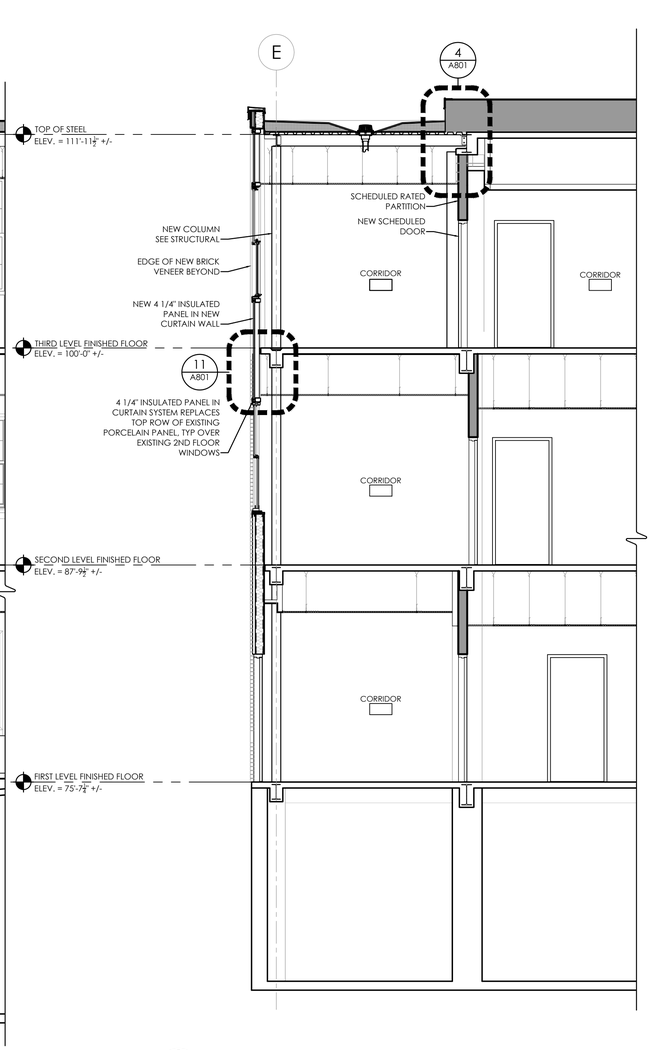


TYPE	FIRE TEST LAB & DESIGN	FIRE RATING	STC
M6b	UL - U906 (OR UL - U905)	2 HR	55

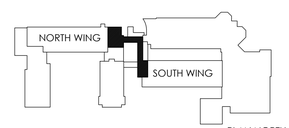
3 / A400 NEW WORK WALL TYPES
SCALE: NOT TO SCALE



1 / A400 NEW WORK SECTION @ ORIGINAL BUILDING
SCALE: 1/4" = 1'-0"



2 / A400 NEW WORK SECTION @ 1955 ADDITION
SCALE: 1/4" = 1'-0"



KEY PLAN
OSSINING HIGH SCHOOL
NOT TO SCALE

PLAN NORTH

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OSSINING UFSD
OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

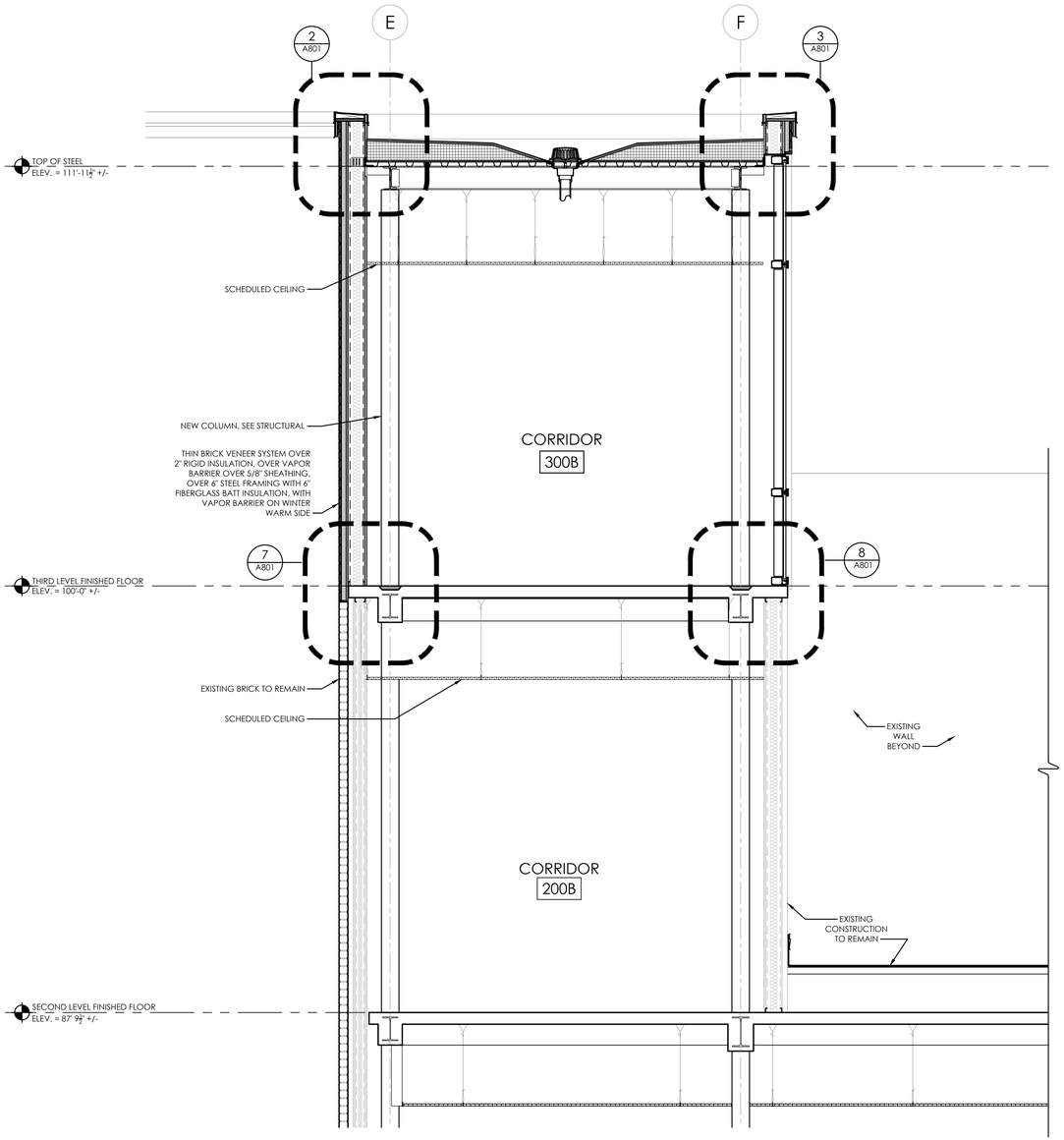
DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

SCALE AS NOTED

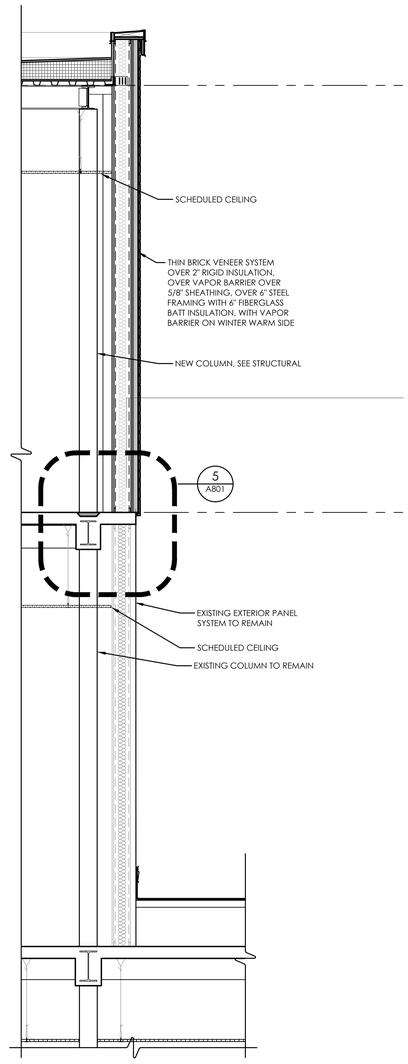
SHEET TITLE
NEW WORK
BUILDING SECTIONS
& WALL TYPES

PROJECT NUMBER
14428.13

OHS
A400
DRAWING NUMBER



1 A401 NEW WORK SECTION THROUGH CORRIDOR
SCALE: 1/2" = 1'-0"



2 A401 NEW WORK SECTION
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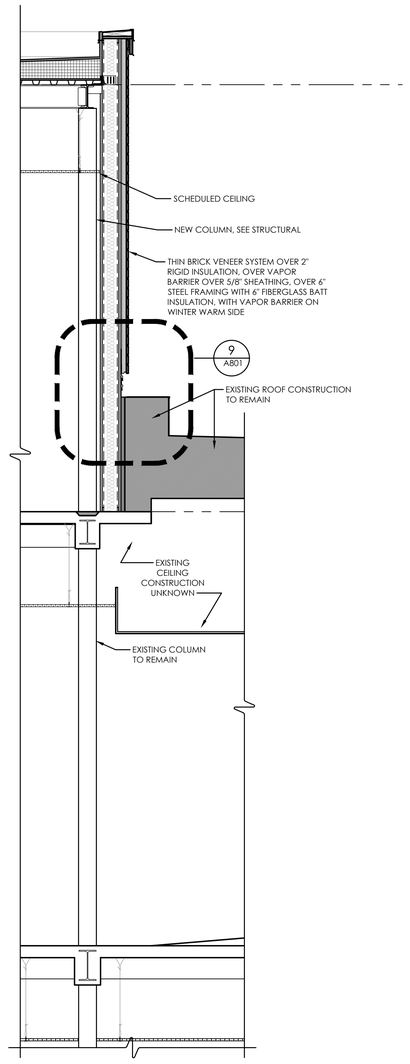

3 A401 NEW WORK SECTION
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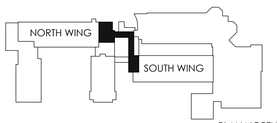

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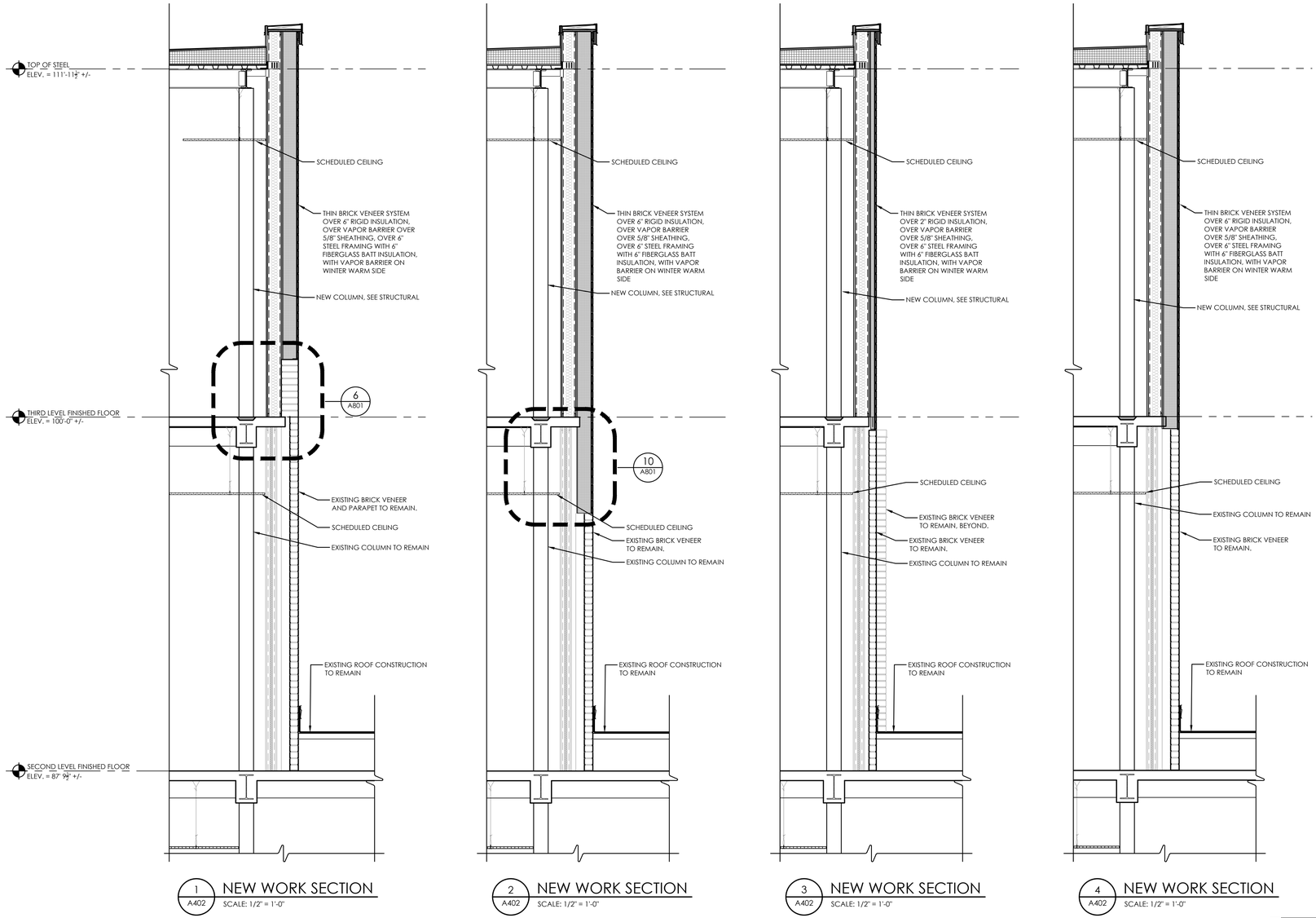
SCALE AS NOTED

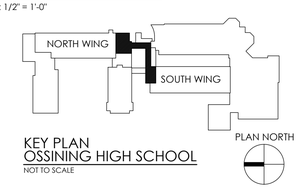
SHEET TITLE
NEW WORK
BUILDING SECTIONS
& WALL TYPES

PROJECT NUMBER
14428.13

OHS
A401
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ARCH\A4\OHS A400.dwg
Date last accessed: 6/3/2021 11:12 AM
Date last plotted: 11/18/2021 2:24 PM
Plotted By: Mark Johnson





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OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

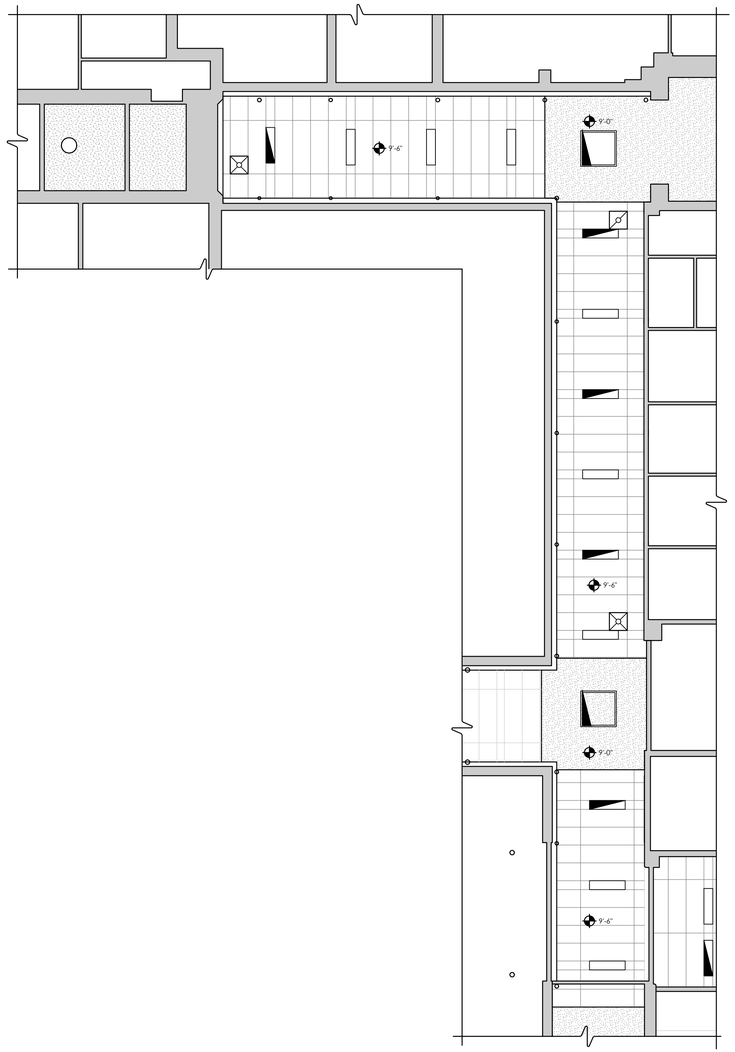
SCALE AS NOTED

SHEET TITLE
NEW WORK
BUILDING SECTIONS

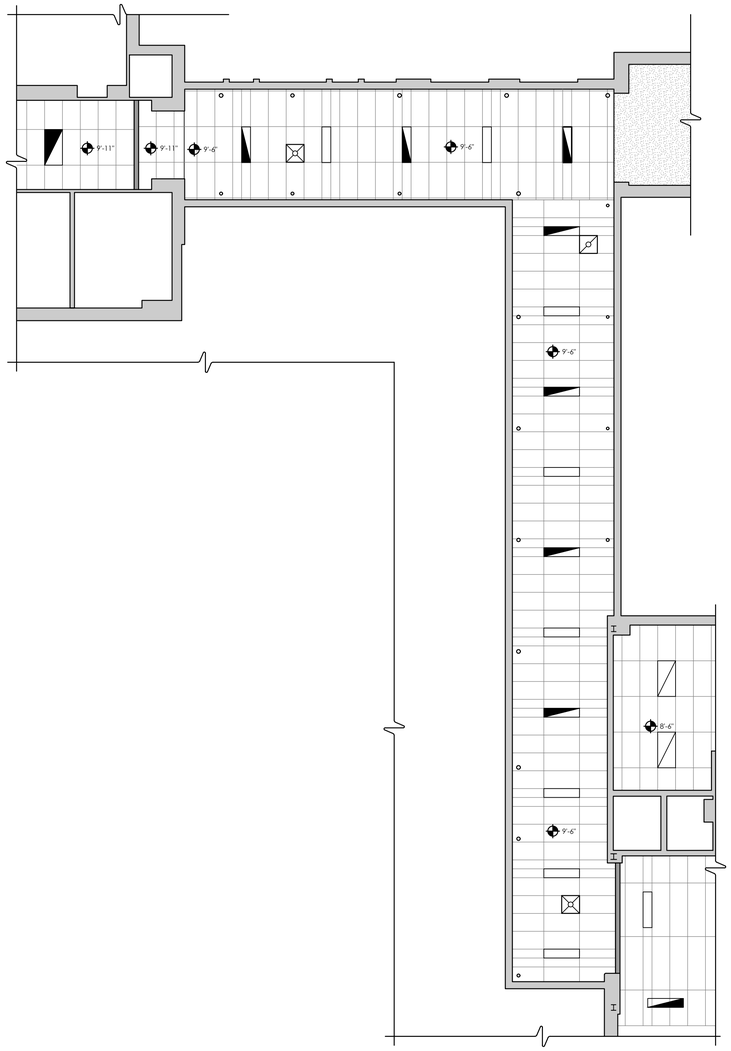
PROJECT NUMBER
14428.13

OHS
A402
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ARCH\A4\OHS A400.dwg Date last accessed: 6/3/2021 11:12 AM Date last plotted: 11/18/2021 2:25 PM Plotted By: Mark Johnson



1 A600 FIRST FLOOR NEW WORK REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



2 A600 SECOND FLOOR NEW WORK REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

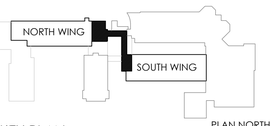
LEGEND:

- X'-X" — CEILING HEIGHT
- EXIT LIGHTING FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- BATTERY POWERED EMERGENCY LIGHT
- DOUBLE REMOTE HEAD EMERGENCY LIGHT
- OS — CEILING MOUNTED OCCUPANCY SENSOR
- VS — CEILING MOUNTED VACANCY SENSOR
- DIFFUSER
- RETURN GRILLE
- LIGHT FIXTURE
- EMERGENCY AND/OR NIGHT LIGHT LIGHTING FIXUTRE
- AD — ACCESS DOOR
- CABINET UNIT HEATER, SEE H203

NOTE: REFER TO MECH & ELEC FOR COMPLETE SYMBOLS LIST

NOTE: ACOUSTIC CEILING TILE: PROVIDE CLASS (A) FINISH UNITS NOT LESS THAN 5/8" THICK, WITH FLAME SPREAD OF 25 OR LESS COMPLYING WITH ASTM E-84.

- SUSPENDED CEILING SYSTEM
- GYPSUM BOARD CEILING
- BARREL VAULTED PLASTER CEILING



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THIRD FLOOR CONNECTOR
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SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

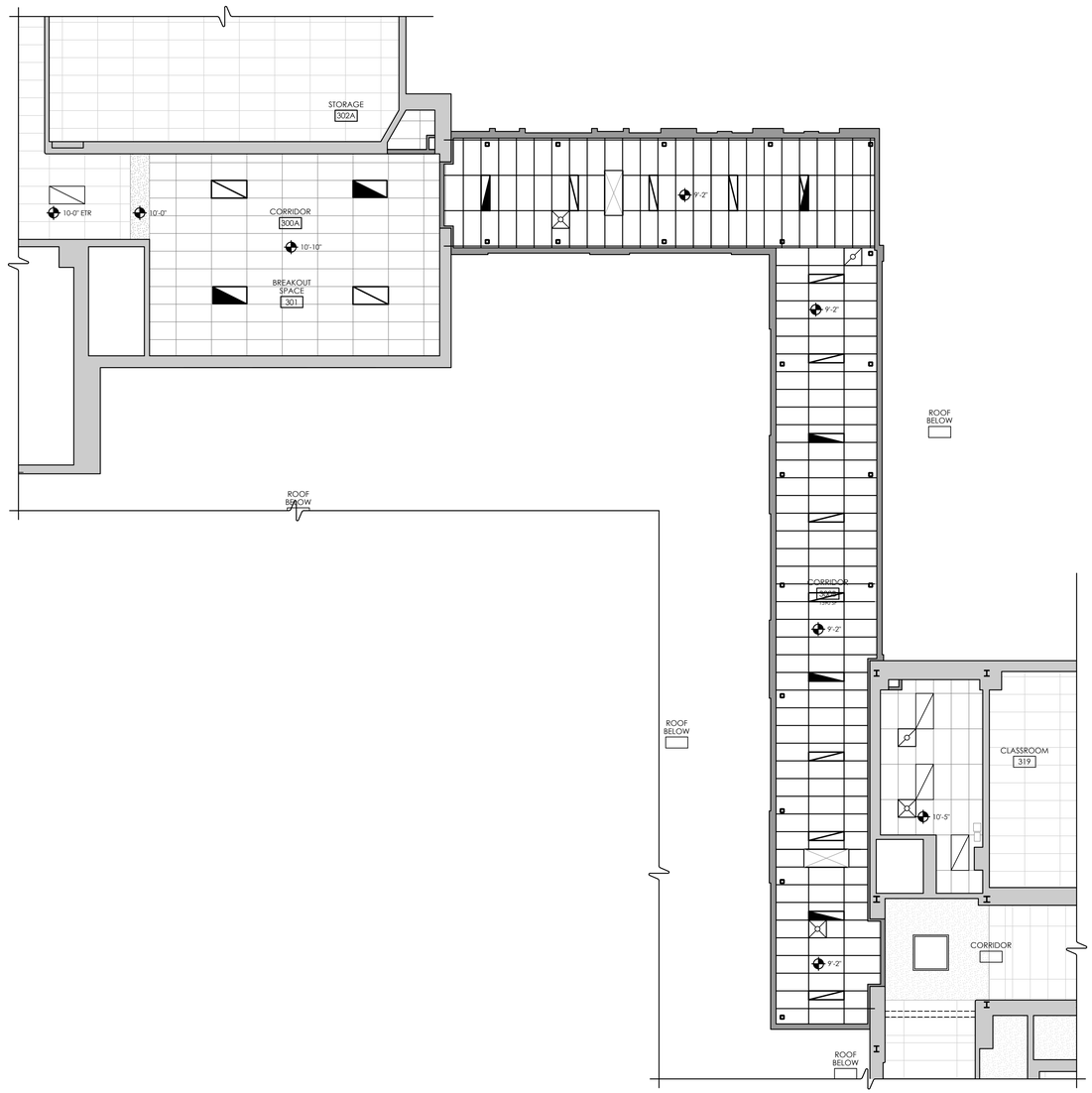
SCALE AS NOTED

SHEET TITLE
SECOND FLOOR
NEW WORK REFLECTED
CEILING PLAN

PROJECT NUMBER
14428.13

OHS
A600
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ARCH\A6\OHS A600.dwg
Date last accessed: 3/11/2021 9:42 AM
Date last plotted: 11/18/2021 2:27 PM
Plotted By: Mark Johnson



1 A601 THIRD FLOOR NEW WORK REFLECTED CEILING PLAN

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

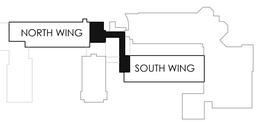
LEGEND:

- X'-X" CEILING HEIGHT
- EXIT LIGHTING FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- BATTERY POWERED EMERGENCY LIGHT
- DOUBLE REMOTE HEAD EMERGENCY LIGHT
- OS CEILING MOUNTED OCCUPANCY SENSOR
- VS CEILING MOUNTED VACANCY SENSOR
- DIFFUSER
- RETURN GRILLE
- LIGHT FIXTURE
- EMERGENCY AND/OR NIGHT LIGHT LIGHTING FIXUTRE
- AD ACCESS DOOR
- CABINET UNIT HEATER, SEE H203

NOTE: REFER TO MECH & ELEC FOR COMPLETE SYMBOLS LIST

NOTE: ACOUSTIC CEILING TILE: PROVIDE CLASS (A) FINISH UNITS NOT LESS THAN 5/8" THICK, WITH FLAME SPREAD OF 25 OR LESS COMPLYING WITH ASTM E-84.

- SUSPENDED CEILING SYSTEM
- GYPSUM BOARD CEILING
- BARREL VAULTED PLASTER CEILING



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SED #: 66-14-01-03-0-003-040

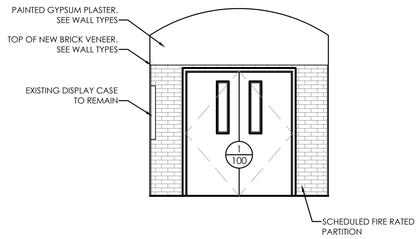
DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

SCALE AS NOTED

SHEET TITLE
THIRD FLOOR
NEW WORK REFLECTED
CEILING PLAN

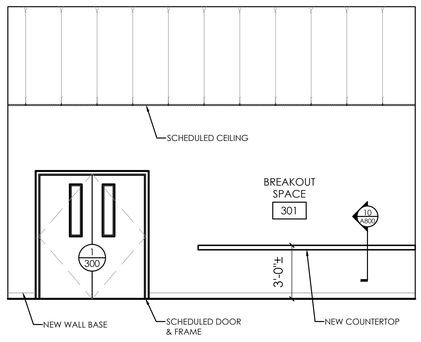
PROJECT NUMBER
14428.13

OHS
A601
DRAWING NUMBER



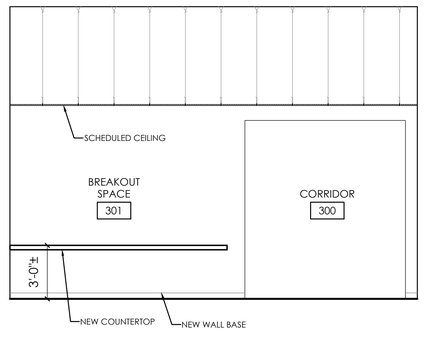
1 / A700 SOUTH ELEVATION @ COURTYARD

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



2 / A700 SOUTH ELEVATION @ COURTYARD

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



2 / A700 SOUTH ELEVATION @ COURTYARD

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

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SED #: 66-14-01-03-0-003-040

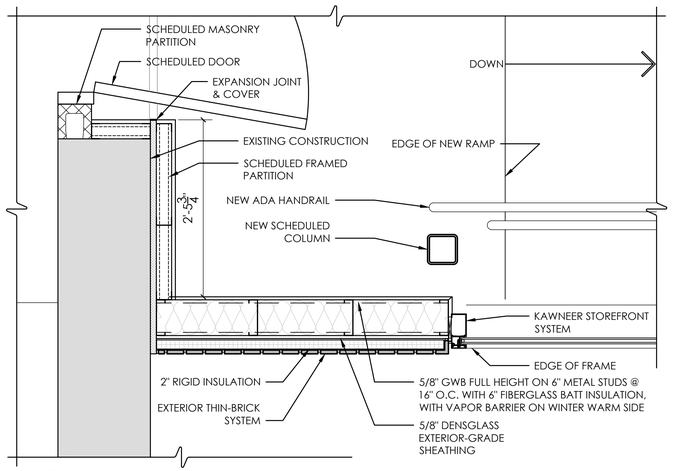
DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

SCALE AS NOTED

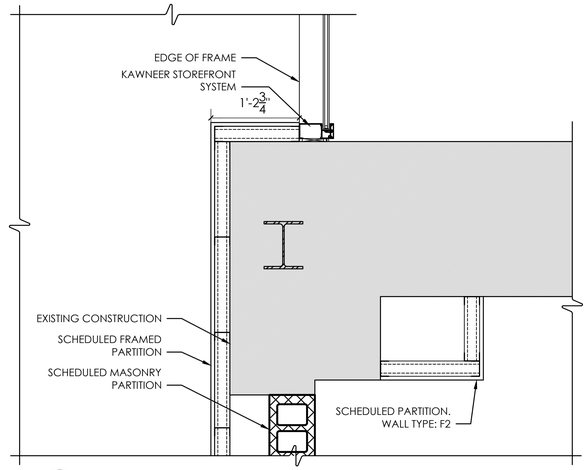
SHEET TITLE
NEW WORK INTERIOR ELEVATIONS

PROJECT NUMBER
14428.13

OHS
A700
DRAWING NUMBER



1 A800 PLAN DETAIL
SCALE: 1" = 1'-0"



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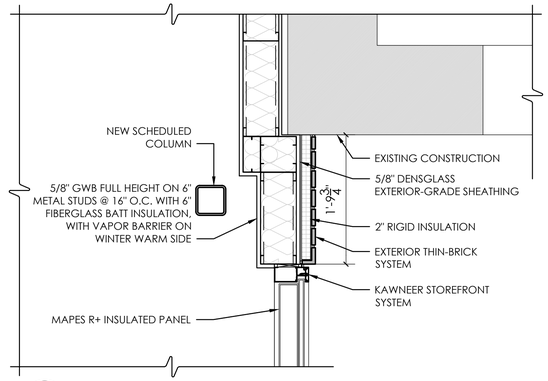
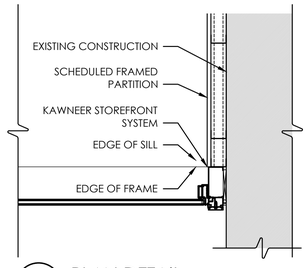


3 A800 PLAN DETAIL
SCALE: 1" = 1'-0"



4 A800 PLAN DETAIL
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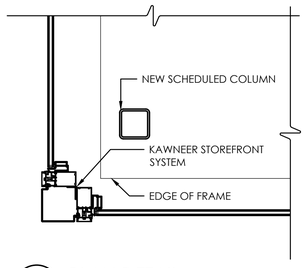

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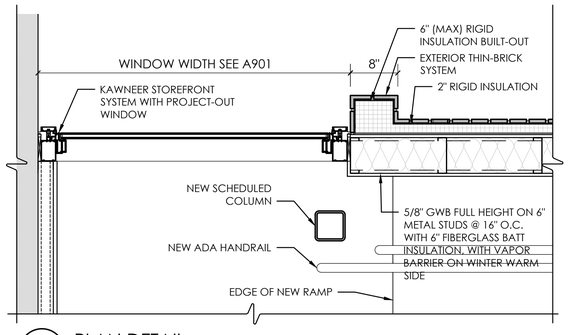

6 A800 PLAN DETAIL
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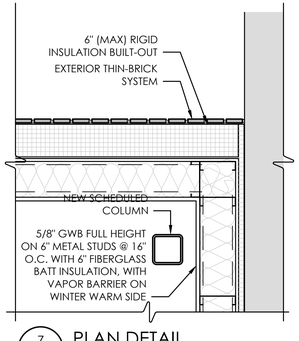

7 A800 PLAN DETAIL
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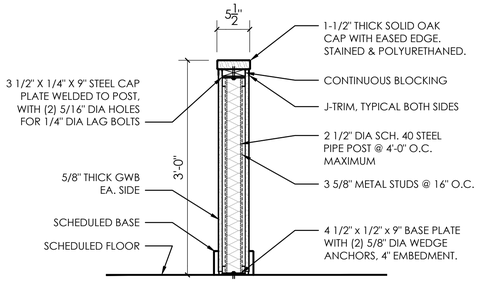

8 A800 KNEE WALL DETAIL
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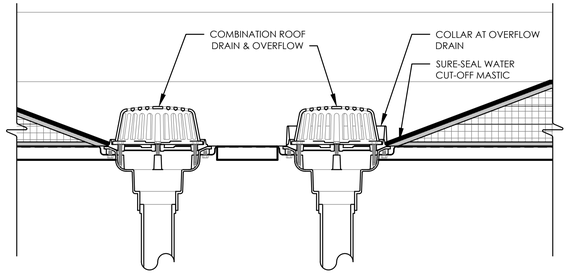
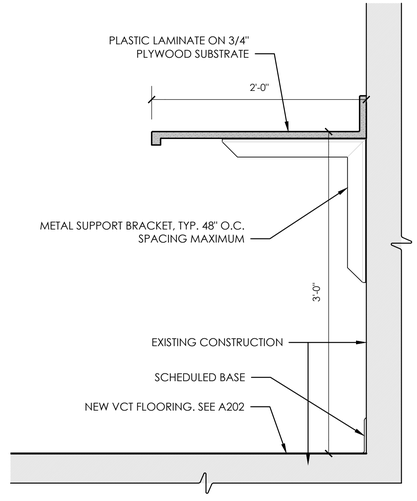


9 A800 ROOF DRAIN DETAIL
SCALE: 1 1/2" = 1'-0"



10 A800 COUNTERTOP DETAIL
SCALE: 1" = 1'-0"

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REVISIONS NO.	DATE	BY	DESCRIPTION
1	06/03/2021	NWH	SED ADDENDUM 01
		MJ	

OSSINING UFSD
OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

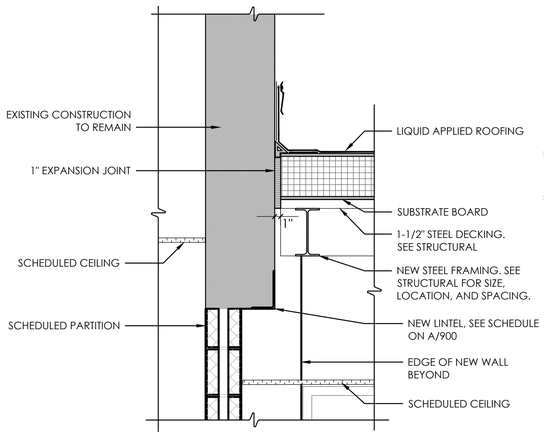
DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

SCALE AS NOTED

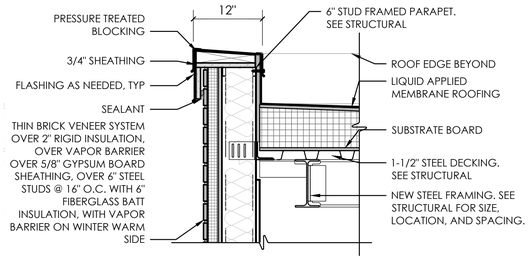
SHEET TITLE
NEW WORK
PLAN DETAILS

PROJECT NUMBER
14428.13

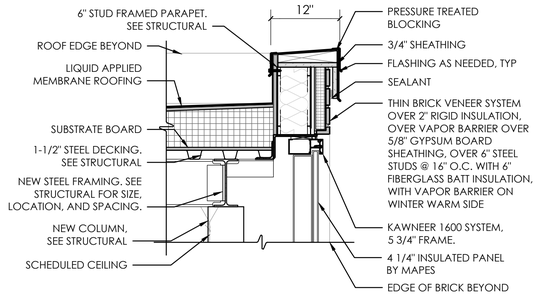
OHS
A800
DRAWING NUMBER



1 A801 EXTERIOR WALL DETAIL
SCALE: 1" = 1'-0"



2 A801 PARAPET DETAIL
SCALE: 1" = 1'-0"



3 A801 PARAPET DETAIL
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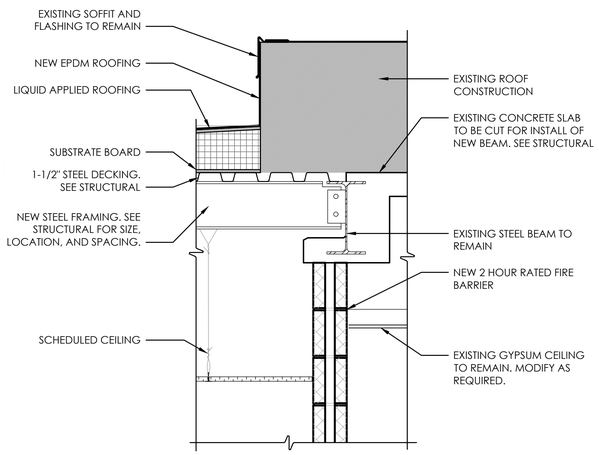
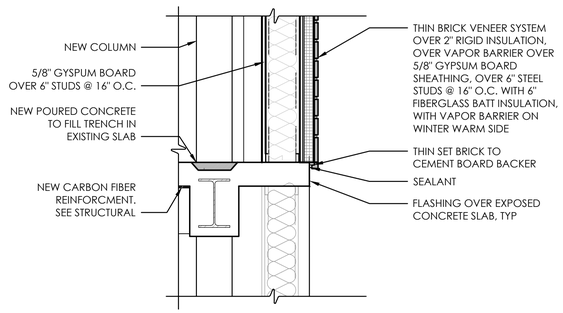
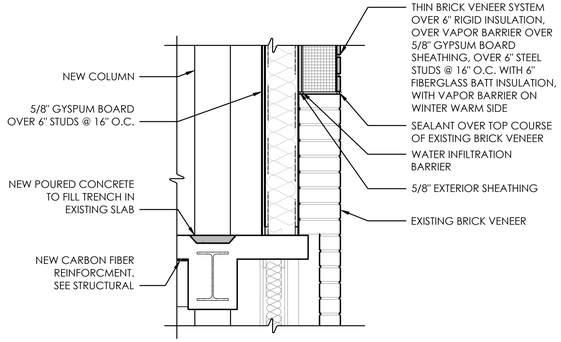


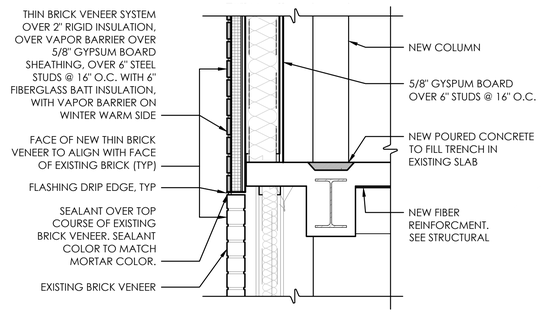
4 A801 EXTERIOR WALL DETAIL
SCALE: 1" = 1'-0"



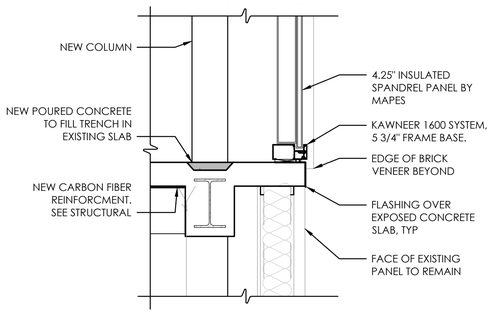
5 A801 EXTERIOR WALL DETAIL
SCALE: 1" = 1'-0"



6 A801 EXTERIOR WALL DETAIL
SCALE: 1" = 1'-0"



7 A801 EXTERIOR WALL DETAIL
SCALE: 1" = 1'-0"



8 A801 EXTERIOR WALL DETAIL
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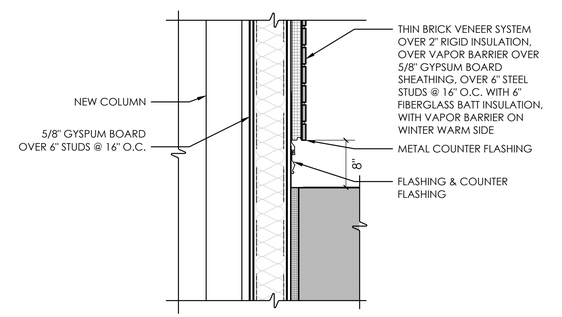

9 A801 EXTERIOR WALL DETAIL
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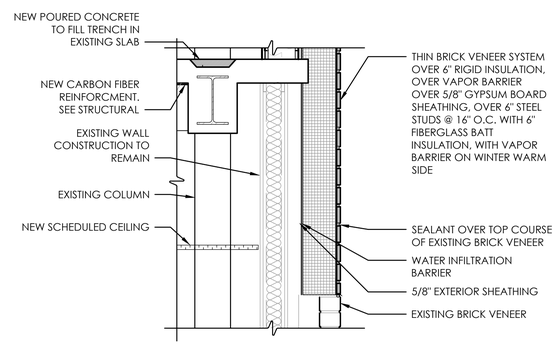
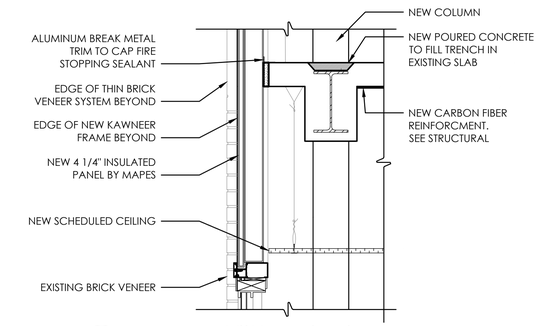


10 A801 EXTERIOR WALL DETAIL
SCALE: 1" = 1'-0"



11 A801 EXTERIOR WALL DETAIL
SCALE: 1" = 1'-0"

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SCALE AS NOTED

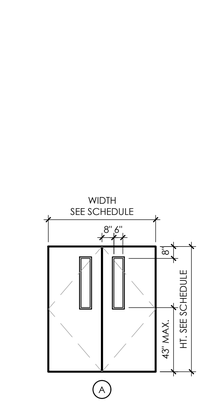
SHEET TITLE
NEW WORK
SECTION DETAILS

PROJECT NUMBER
14428.13

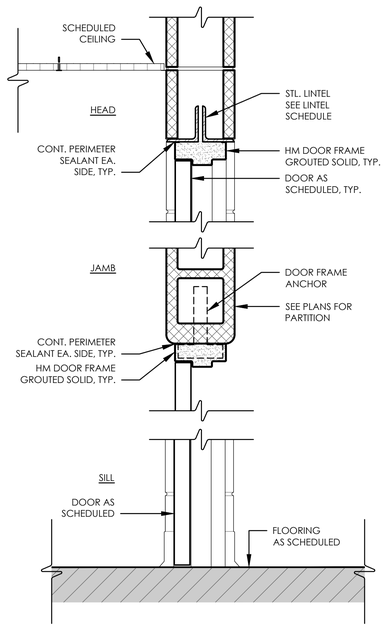
OHS
A801
DRAWING NUMBER

DOOR SCHEDULE

DOORS							FRAMES									
DOOR NO.	SIZE			TYPE	MATERIAL / FINISH	UNDERCUT	FIRE RATING	OVERALL SIZE			TYPE	MATERIAL / FINISH	JAMB DETAIL	HEAD DETAIL	SILL DETAIL	HARDWARE SET NO.	REMARKS (SEE NOTES BELOW ALSO)
	WIDTH	HEIGHT	TH.					WIDTH	HEIGHT	DEPTH							
1-100	6'-0"	7'-0"	1 3/4"	A	WD/ST	-	60 MIN	6'-8"	7'-4"	5 ⅞"	1	HM/PT	2/A900	2/A900	2/A900	SEE SECTION 08 7100	
2-100	6'-0"	7'-0"	1 3/4"	A	WD/ST	-	60 MIN	6'-8"	7'-4"	5 ⅞"	1	HM/PT	2/A900	2/A900	2/A900	SEE SECTION 08 7100	
1-200	6'-0"	7'-0"	1 3/4"	A	WD/ST	-	60 MIN	6'-8"	7'-4"	5 ⅞"	1	HM/PT	2/A900	2/A900	2/A900	SEE SECTION 08 7100	
2-200	6'-0"	7'-0"	1 3/4"	A	WD/ST	-	60 MIN	6'-8"	7'-4"	5 ⅞"	1	HM/PT	2/A900	2/A900	2/A900	SEE SECTION 08 7100	
3-200	6'-0"	7'-0"	1 3/4"	A	WD/ST	-	60 MIN	6'-8"	7'-4"	5 ⅞"	1	HM/PT	2/A900	2/A900	2/A900	SEE SECTION 08 7100	
1-300	6'-0"	7'-0"	1 3/4"	A	WD/ST	-	60 MIN	6'-8"	7'-4"	5 ⅞"	1	HM/PT	2/A900	2/A900	2/A900	SEE SECTION 08 7100	
2-300	6'-0"	7'-0"	1 3/4"	A	WD/ST	-	60 MIN	6'-8"	7'-4"	5 ⅞"	1	HM/PT	2/A900	2/A900	2/A900	SEE SECTION 08 7100	
3-300	6'-0"	7'-0"	1 3/4"	A	WD/ST	-	60 MIN	6'-8"	7'-4"	5 ⅞"	1	HM/PT	2/A900	2/A900	2/A900	SEE SECTION 08 7100	



1 A900 TYPICAL DOOR & FRAME TYPES
SCALE: 1/4" = 1'-0"



2 A900 TYP. DOOR DETAILS AT MASONRY PARTITION
SCALE: 1 1/2" = 1'-0"

NOTES:
1. ALL SIZES SHOWN FOR DOORS & FRAMES TO BE PROVIDED IN EXISTING OPENINGS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE ACTUAL DIMENSIONS IN THE FIELD.
2. NEW DOORS SHALL MATCH FIRE-RATING OF EXISTING DOORS THAT THEY REPLACE, U.N.O.

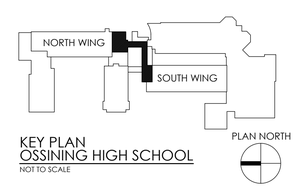
LEGEND

WD	WOOD
HM	HOLLOW METAL
EX	EXISTING
PT	PAINTED
MFR	MANUFACTURER
ALUM	ALUMINUM
SIM	SIMILAR
FRP	FIBER REINFORCED POLYMER
STL	STEEL
ST	STAINED/POLYURETHANED

LOOSE LINTEL SCHEDULE

WALL TYPE	SPAN	LINTEL
4" MASONRY / VENEER	1'-4" to 4'-6"	L 4 x 3 1/2 x 5/16 (L.L.V.)
	4'-7" to 5'-6"	L 4 x 3 1/2 x 5/16 (L.L.V.)
	5'-7" to 6'-6"	L 5 x 3 1/2 x 5/16 (L.L.V.)
	6'-7" to 7'-6"	L 6 x 3 1/2 x 5/16 (L.L.V.)
6" BLOCK	1'-4" to 4'-6"	WT 4 x 9
	4'-7" to 5'-6"	WT 4 x 10.5
	5'-7" to 6'-6"	WT 5 x 13
	6'-7" to 7'-6"	WT 5 x 13
	7'-7" to 9'-0"	W8 x 10 + 5 1/2 x 5/16 PL.
8" BLOCK	1'-4" to 4'-6"	(2) - L4 x 3 1/2 x 5/16 (L.L.V.)
	4'-7" to 5'-6"	(2) - L4 x 3 1/2 x 5/16 (L.L.V.)
	5'-7" to 6'-6"	(2) - L5 x 3 1/2 x 5/16 (L.L.V.)
	6'-7" to 7'-6"	(2) - L6 x 3 1/2 x 5/16 (L.L.V.)
	7'-7" to 9'-0"	WT 9 x 25
4" BRICK & 8" BLOCK OR 12" BLOCK	1'-4" to 4'-6"	(3) - L4 x 3 1/2 x 5/16 (L.L.V.)
	4'-7" to 5'-6"	(3) - L4 x 3 1/2 x 5/16 (L.L.V.)
	5'-7" to 6'-6"	(3) - L5 x 3 1/2 x 5/16 (L.L.V.)
	6'-7" to 7'-6"	(3) - L6 x 3 1/2 x 5/16 (L.L.V.)

1. PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR MASONRY WALLS AS SCHEDULED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
2. MINIMUM BEARING FOR ALL LINTELS SHALL BE 8" EACH END.
3. BLOCK WALLS SHALL BE GROUTED SOLID 3 COURSES BELOW BEARING POINT FOR A WIDTH OF 16" UNLESS NOTED OTHERWISE ON STRUCTURAL FRAMING PLANS.
4. SEE ARCH., HVAC, & PLUMBING DRAWINGS FOR SIZE AND LOCATION OF ALL WALL OPENINGS.
5. CONTRACTOR SHALL PROVIDE AN ADDITIONAL 50 FT. OF ANGLE 5 x 3 1/2 x 5/16 OR THE EQUIVALENT.
6. FOR LINTEL SPANS GRATER THAN 6'-0", BOLT ASSEMBLIES TOGETHER AT 1/3 POINTS.
7. WHERE LINTELS REQUIRE 3 ANGLES, PROVIDE A 3/16" PLATE EQUAL TO WALL WIDTH ACROSS SPAN, ATTACHED TO BOTTOM OF THE LINTEL.



KEY PLAN
OSSINING HIGH SCHOOL
NOT TO SCALE

CPLteam.com
ARCHITECTURE ▪ ENGINEERING ▪ PLANNING
50 FRONT STREET, SUITE 202
NEWBURGH, NEW YORK 12550
TEL (800) 274-9000
FAX (845) 567-9614

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	06/03/2021	NWH	SED ADDENDUM 01

OSSINING UFSD
OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

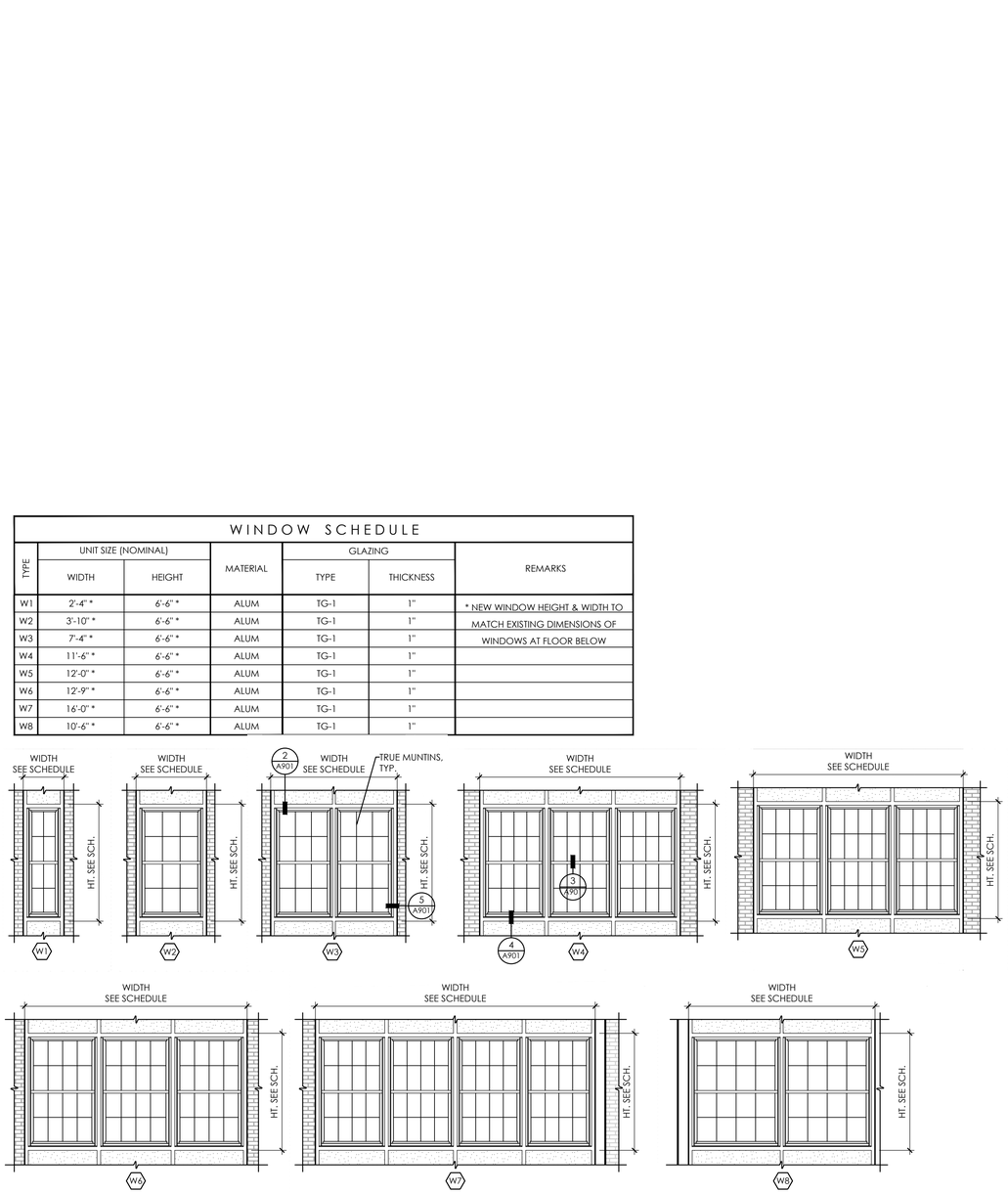
SCALE AS NOTED

SHEET TITLE
NEW WORK DOOR & SCHEDULES & DETAILS

PROJECT NUMBER
14428.13

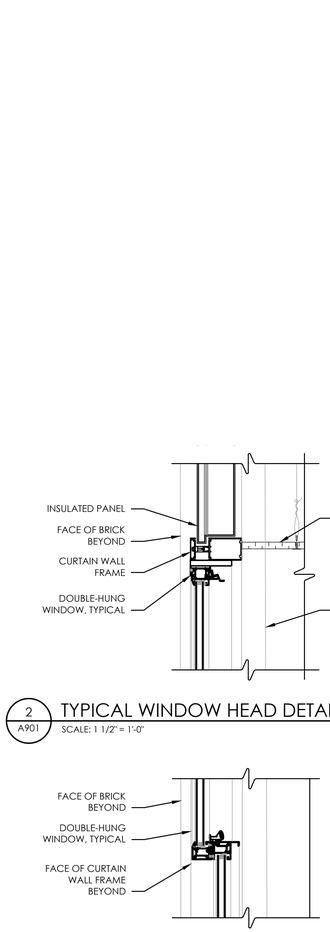
OHS
A900
DRAWING NUMBER

WINDOW SCHEDULE						
TYPE	UNIT SIZE (NOMINAL)		MATERIAL	GLAZING		REMARKS
	WIDTH	HEIGHT		TYPE	THICKNESS	
W1	2'-4" *	6'-6" *	ALUM	TG-1	1"	* NEW WINDOW HEIGHT & WIDTH TO
W2	3'-10" *	6'-6" *	ALUM	TG-1	1"	MATCH EXISTING DIMENSIONS OF
W3	7'-4" *	6'-6" *	ALUM	TG-1	1"	WINDOWS AT FLOOR BELOW
W4	11'-6" *	6'-6" *	ALUM	TG-1	1"	
W5	12'-0" *	6'-6" *	ALUM	TG-1	1"	
W6	12'-9" *	6'-6" *	ALUM	TG-1	1"	
W7	16'-0" *	6'-6" *	ALUM	TG-1	1"	
W8	10'-6" *	6'-6" *	ALUM	TG-1	1"	



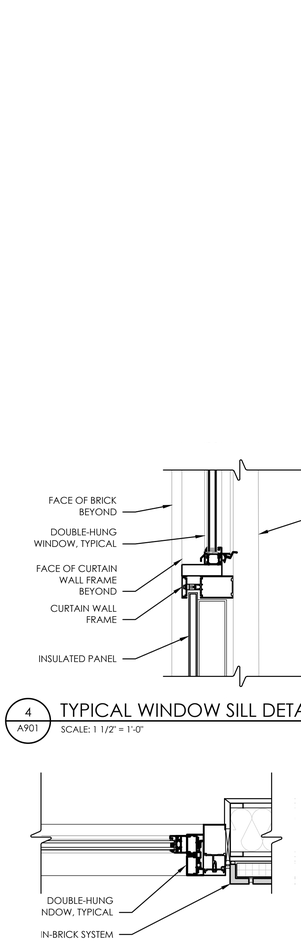
1 A901 TYPICAL WINDOW TYPES
SCALE: 1/4" = 1'-0"

2 A901 TYPICAL WINDOW HEAD DETAIL
SCALE: 1 1/2" = 1'-0"

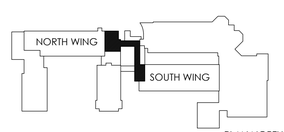


3 A901 TYPICAL WINDOW RAIL DETAIL
SCALE: 1 1/2" = 1'-0"

4 A901 TYPICAL WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"



5 A901 TYPICAL WINDOW JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



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SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NWH	MJ

SCALE AS NOTED

SHEET TITLE
NEW WORK WINDOW SCHEDULES & DETAILS

PROJECT NUMBER
14428.13

OHS
A901
DRAWING NUMBER

HVAC SYMBOLS LIST

SYMBOL	DESCRIPTION
AAD	AUTOMATIC AIR DAMPER
ACC	AIR-COOLED CONDENSING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BBD	BOILER BLOW DOWN
BD	BACKDRAFT DAMPER
CA	COMPRESSED AIR
CD	COOLING COIL CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
CW	DOMESTIC COLD WATER
D	DRAIN
(E)	EXISTING
EA	EXHAUST AIR
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ERHC	ELECTRIC REHEAT COIL
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
F&T	FLOAT AND THERMOSTATIC TRAP
FCU	FAN-COIL UNIT
FPM	FEET PER MINUTE
FT	FIN-TUBE
GC	GENERAL CONTRACTOR
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
HC	HVAC CONTRACTOR
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HP	HEAT PUMP
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
LF	LINEAR FOOTAGE OF FIN-TUBE RADIATION
LPC	LOW PRESSURE CONDENSATE
LPG	LIQUEFIED PROPANE GAS
LPS	LOW PRESSURE STEAM
MBH	1,000 BTU/HR
MC	MECHANICAL CONTRACTOR
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
MRD	MONOFLO FITTING DOWN – HHWR
MSD	MONOFLO FITTING DOWN – HHWS
MUW	MAKE-UP WATER
NC	NORMALLY CLOSED
NG	NATURAL GAS
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
PD	PUMP DISCHARGE
PHWR	PRIMARY HEATING HOT WATER RETURN
PHWS	PRIMARY HEATING HOT WATER SUPPLY
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RHC	HOT WATER REHEAT COIL
RLL	REFRIGERANT LIQUID PIPE
RSL	REFRIGERANT SUCTION PIPE
RTU	ROOFTOP UNIT
RV	ROOF VENT
SA	SUPPLY AIR
SHWR	SECONDARY HEATING HOT WATER RETURN
SHWS	SECONDARY HEATING HOT WATER SUPPLY
SSI	SPLIT SYSTEM INDOOR SECTION (EVAPORATOR SECTION)
SSO	SPLIT SYSTEM OUTDOOR SECTION (CONDENSING UNIT)
TC	TEMPERATURE CONTROLS CONTRACTOR
UH	UNIT HEATER
UV	UNIT VENTILATOR
V	VENT
WAHP	WATER-TO-AIR HEAT PUMP
WWHP	WATER-TO-WATER HEAT PUMP

SYMBOL	DESCRIPTION
	CONNECTION - TOP
	CONNECTION - BOTTOM
	DIRECTION OF FLOW
	REDUCER
	CAP OR PLUG
	ELBOW DOWN
	ELBOW UP
	TEE OUTLET - UP
	TEE OUTLET - DOWN
	UNION
	GATE VALVE
	BALL VALVE
	BALANCING VALVE
	STRAINER
	STRAINER WITH BLOW-DOWN
	BUTTERFLY VALVE
	BUTTERFLY CONTROL VALVE, PNEUMATIC 2-WAY
	BUTTERFLY CONTROL VALVE, ELECTRIC ACTUATOR
	GLOBE VALVE
	CHECK VALVE
	TRIPLE DUTY VALVE
	GAS COCK, PLUG VALVE
1/2" C	UNDERCUT DOOR 1"
L	LOUVERED DOOR W/ SQ. FT. OF FREE AREA
M	AIR VENT - MANUAL
A	AIR VENT - AUTOMATIC
	FLANGE
	CONTROL/SOLENOIND VALVE, ELECTRIC 2-WAY
	CONTROL VALVE, ELECTRIC 3-WAY
	CONTROL VALVE, PNEUMATIC 2-WAY
	CONTROL VALVE, PNEUMATIC 3-WAY
	RELIEF / SAFETY VALVE
	PRESSURE REDUCING VALVE
V	VACUUM BREAKER
	FLEXIBLE PIPE CONNECTOR
	EXPANSION COMPENSATOR W/ GUIDES
	EXPANSION JOINT
	PIPE ANCHOR
	PIPE GUIDE
TT	THERMOSTATIC TRAP
FT	FLOAT & THERMOSTATIC TRAP
BT	BUCKET TRAP
TD	THERMODYNAMIC TRAP
	THERMOMETER
	WELL
	PRESSURE GAUGE
	STEAM PRESSURE GAUGE WITH 1/4" NEEDLE VALVE
	PRESSURE GAUGE WITH 1/4" NEEDLE VALVE
	PNEUMATIC (CONTROL) TUBING
	BUTTERFLY VALVE WITH PNEUMATIC AND MANUAL OPERATORS
XX	PIPING
XX	PIPING BELOW GRADE
	BASE MOUNTED PUMP
	IN-LINE PUMP
	AIR TERMINAL UNIT WITH REHEAT COIL AND SOUND ATTENUATOR
	AIR TERMINAL UNIT WITH SOUND ATTENUATOR
	AIR TERMINAL UNIT WITH REHEAT COIL
	AIR TERMINAL UNIT
W/W ENCL.	WALL TO WALL FIN TUBE ENCLOSURE

SYMBOL	DESCRIPTION
(DBL)	DOUBLE WALL LINED DUCT
20/10	DUCT SECTION - SUPPLY
20/10	DUCT SECTION - RETURN/EXHAUST
A"	DUCT SECTION - ROUND DUCT IN INCHES
AXB FO	DUCT SECTION - FLAT OVAL DUCT IN INCHES
	ACOUSTIC THERMAL LINING
	FLEXIBLE DUCTWORK
FC	FLEXIBLE CONNECTION
	FIRE DAMPER
F	SMOKE DAMPER
F	COMBINATION FIRE AND SMOKE DAMPER
VD	VOLUME DAMPER
	DAMPER CONTROL, PARALLEL BLADE
	DAMPER CONTROL, OPPOSED BLADE
AAD	AUTOMATIC AIR DAMPER
BDD	BACK DRAFT DAMPER
BG	BLAST GATE
20/10, 12X10, 10/20	AIR DUCT (FIRST FIGURE IS DUCT WIDTH/TOP, SECOND FIGURE IS DUCT DEPTH)
	MULTI-BLADE AIR EXTRACTOR
	TURNING VANES
	EXISTING WORK TO BE REMOVED (HATCHED)
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	AIR FLOW SENSOR
	FILTER
	TRANSITION SQUARE TO ROUND
	HUMIDIFIER DISPERSION TUBE
RISE R	RISE IN DUCT
DROP D	DROP IN DUCT
	SQUARE CEILING DIFFUSER (4 WAY)
	ROUND CEILING DIFFUSER
	SQUARE OR RECTANGULAR CEILING GRILLE
	SUPPLY REGISTER, RETURN OR EXHAUST GRILLE
1-WAY 2-WAY 3-WAY	SUPPLY DIFFUSER, 1-WAY, 2-WAY, 3-WAY
8"Ø, D-3, 300 CFM	CEILING DIFFUSER WITH NECK SIZE, TYPE, & CFM
10"x10", G-3, 300 CFM	CEILING RETURN OR EXHAUST GRILLE WITH SIZE, TYPE, & CFM
10"x8", R-2, 300 CFM	SUPPLY REGISTER WITH SIZE, TYPE, & CFM
10"x8", G-2, 300 CFM	RETURN OR EXHAUST GRILLE WITH SIZE, TYPE, & CFM
	AIR FLOW
L1	ACOUSTIC/THERMAL DUCTWORK LINING - 1 INCH THICK
L2	ACOUSTIC/THERMAL DUCTWORK LINING - 2 INCH THICK
PL1	ACOUSTIC/THERMAL DUCTWORK PLENUM LINING - 1 INCH THICK
PL2	ACOUSTIC/THERMAL DUCTWORK PLENUM LINING - 2 INCH THICK

SYMBOL	DESCRIPTION
24X12, 12X10, VD	SUPPLY / RETURN / EXHAUST AIR TAKEOFFS
24X12, 8"Ø, VD	SUPPLY / RETURN / EXHAUST AIR TAKEOFFS
14"Ø, 10"Ø, VD	SUPPLY AIR TAKEOFFS
14"Ø, 10"Ø, VD	SUPPLY AIR TAKEOFFS
24X12, 6X12, 18X12, 20X12	SUPPLY AIR TAKEOFFS
24X12, 12X10, VD	SUPPLY/RETURN EXHAUST AIR TAKEOFFS W/ REGISTER/GRILLE/ DIFFUSER
VD	SUPPLY/RETURN EXHAUST AIR END OF MAIN BRANCH TAKEOFFS
VD	SUPPLY/RETURN EXHAUST AIR END OF MAIN BRANCH TAKEOFFS
W, R	LONG RADIUS 90° ELBOW R/W=1.5
W, R	LONG RADIUS 45° ELBOW R/W=1.5
	90° ELBOW WITH TURNING VANES
18X16, 18X8	90 VERTICAL SPLIT OFF (PLAN VIEW)
20X10, 20X10	DUCT TURNING UP OR DOWN
MAX, MIN	AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE MAX = MAXIMUM CFM MIN = MINIMUM CFM
GPM, MAX	AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE GPM = GALLONS PER MIN MAX = MAXIMUM GPM
MAX, MIN, FAN	FAN POWERED AIR TERMINAL UNIT U - UNIT TYPE MAX = PRIMARY MAX CFM MIN = PRIMARY MIN CFM FAN = FAN CFM
TYPE, COIL SIZE, CLNG GPM, HTNG GPM	TYPE = VALANCE TYPE COIL SIZE = COIL LENGTH CLNG GPM = COOLING GPM HTNG GPM = HEATING GPM
XX	X = DIFFUSER OR GRILL TYPE XX = AIR FLOW VALUE (CFM)

SYMBOL	DESCRIPTION
	ELECTRIC/PNEUMATIC SWITCH OR RELAY
	PNEUMATIC/ELECTRIC SWITCH OR RELAY
CT	CURRENT TRANSDUCER
	OPEN/CLOSED
	START/STOP
	ENABLE/DISABLE
	TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)
	HUMIDITY SENSOR (DUCT MOUNTED)
	FLOW TRANSMITTER
	PRESSURE TRANSMITTER
	DIFFERENTIAL PRESSURE TRANSMITTER
	ELECTRIC/PNEUMATIC TRANSDUCER
	ELECTRIC/ELECTRONIC TRANSDUCER
	DUCT SMOKE DETECTOR
	SPACE THERMOSTAT
	SPACE TEMPERATURE SENSOR
CO2	SPACE CARBON DIOXIDE SENSOR
CH4	SPACE NATURAL GAS SENSOR
CO	SPACE CARBON MONOXIDE SENSOR
	SPACE SENSOR WITH GUARD
H	SPACE HUMIDISTAT
FS	WATER FLOW SENSOR
	PNEUMATIC ACTUATOR
	ELECTRIC ACTUATOR
VSD, VFD	VARIABLE SPEED / FREQUENCY DRIVE
	COOLING COIL
	HEATING COIL
	GAS FURNACE
H	HUMIDIFIER
A	ALARM
S	STATUS
FS	FLOW SWITCH
ΔP	DIFFERENTIAL STATIC PRESSURE SWITCH
R	RELAY
	PRESSURE GAUGE
FZ	FREEZE-STAT
DI	DIGITAL INPUT (TO BUILDING MANAGEMENT SYSTEM)
DO	DIGITAL OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
AO	ANALOG OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
AI	ANALOG INPUT (TO BUILDING MANAGEMENT SYSTEM)
	ELECTRICAL INTERFACE
SF	SPEED FEED BACK
ES	END SWITCH
PF	POSITION FEEDBACK
	TRAVERSE AVERAGING SENSOR
	PROBE SENSOR
	FREEZE STAT SENSOR

SYMBOLS GENERAL NOTES:

1) VALVE AND DAMPER ACTUATOR TYPES (ELECTRIC OR PNEUMATIC) WHICH ARE INDICATED IN HVAC TEMPERATURE CONTROL DRAWINGS SHALL SUPERSEDE TYPE INDICATED ON ALL OTHER HVAC DRAWINGS.

HVAC CONTRACTOR GENERAL NOTES:

A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.

C. DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

D. ALL EQUIPMENT INDICATED TO BE TURNED OVER TO THE OWNER SHALL BE DISCONNECTED AND REMOVED FROM THE EXISTING SYSTEMS AND DELIVERED (INCLUDING LOADING AND UNLOADING) TO A STORAGE AREA WITHIN THE BUILDING AS SELECTED BY THE OWNER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY EQUIPMENT DAMAGED DURING REMOVAL AND DELIVERY. ANY DAMAGE TO EQUIPMENT PRIOR TO DISCONNECTING SHOULD BE REPORTED TO THE OWNER'S REPRESENTATIVE. IF NOT REPORTED, THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR REPAIRS TO THE EQUIPMENT.

E. BEFORE DISCONNECTING, REMOVING, OR SERVICING ANY AIR CONDITIONING EQUIPMENT OR SYSTEMS CONTAINING REFRIGERANTS, THE EQUIPMENT OR SYSTEMS SHALL BE EVACUATED OF ALL REFRIGERANT PER THE LATEST ADOPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). THE CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE CERTIFIED BY AN EPA APPROVED CERTIFYING AGENCY OR ORGANIZATION.

F. ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED WALL LOCATIONS. ALL FLOORS SHALL BE CONSIDERED RATED.

G. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACT TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.

H. IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL AIR VENTS AND DRAINS IN THE PIPING SYSTEMS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AIR VENTS AT ALL SYSTEM HIGH POINTS AND AT AREAS WITHIN THE PIPING SYSTEMS THAT COULD ACCUMULATE OR TRAP AIR WHICH WOULD PREVENT PROPER VENTING OR OPERATION OF THE SYSTEMS. DRAINS SHALL BE PROVIDED AT ALL LOW POINTS WITHIN THE PIPING SYSTEM TO FACILITATE COMPLETE DRAINING OF THE SYSTEM .

I. PROVIDE THERMAL EXPANSION COMPENSATORS AND THERMAL EXPANSION LOOPS IN PIPING SYSTEM PER INDUSTRY STANDARDS.

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OSSINING UFSD
OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

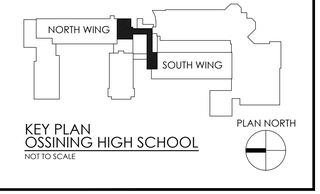
DATE	DRAWN	CHECKED
3/12/2021	NRH	AJS

SCALE AS NOTED

SHEET TITLE
MECHANICAL LEGENDS AND ABBREVIATION

PROJECT NUMBER
14428.13

OHS
H001
DRAWING NUMBER



KEY PLAN
OSSINING HIGH SCHOOL
NOT TO SCALE

PLAN NORTH

Plotted By: Brendon Mazza
Date last plotted: 11/15/2021 3:16 PM
Date last accessed: 11/15/2021 2:57 PM
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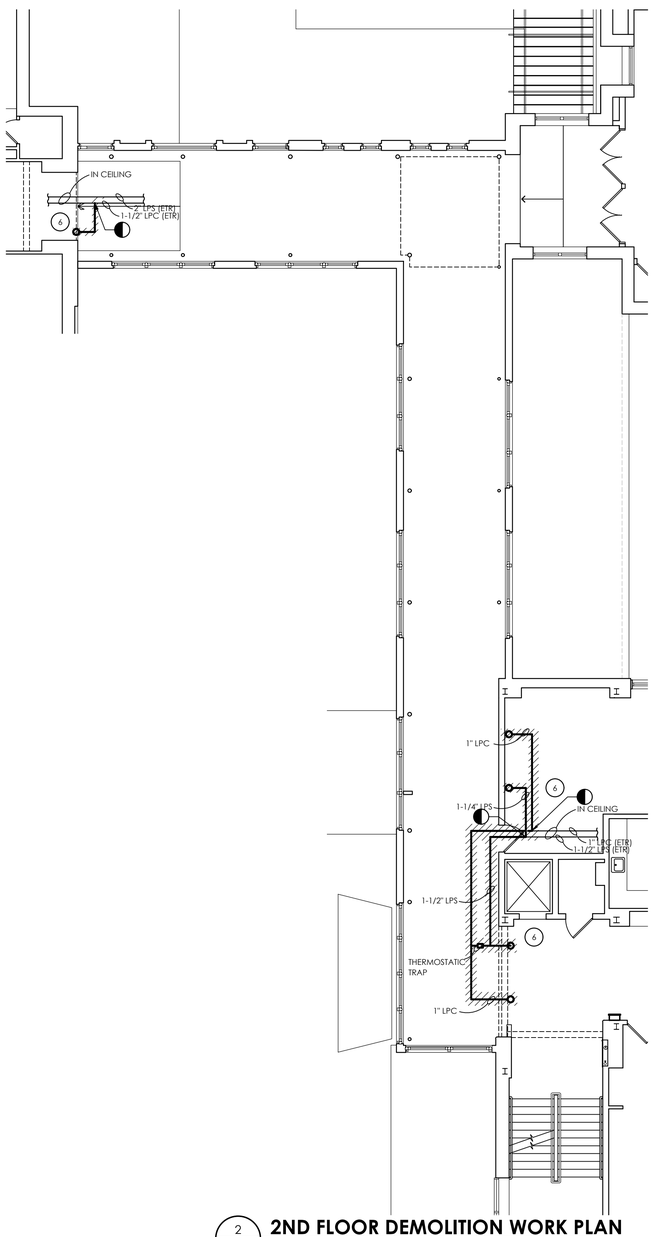
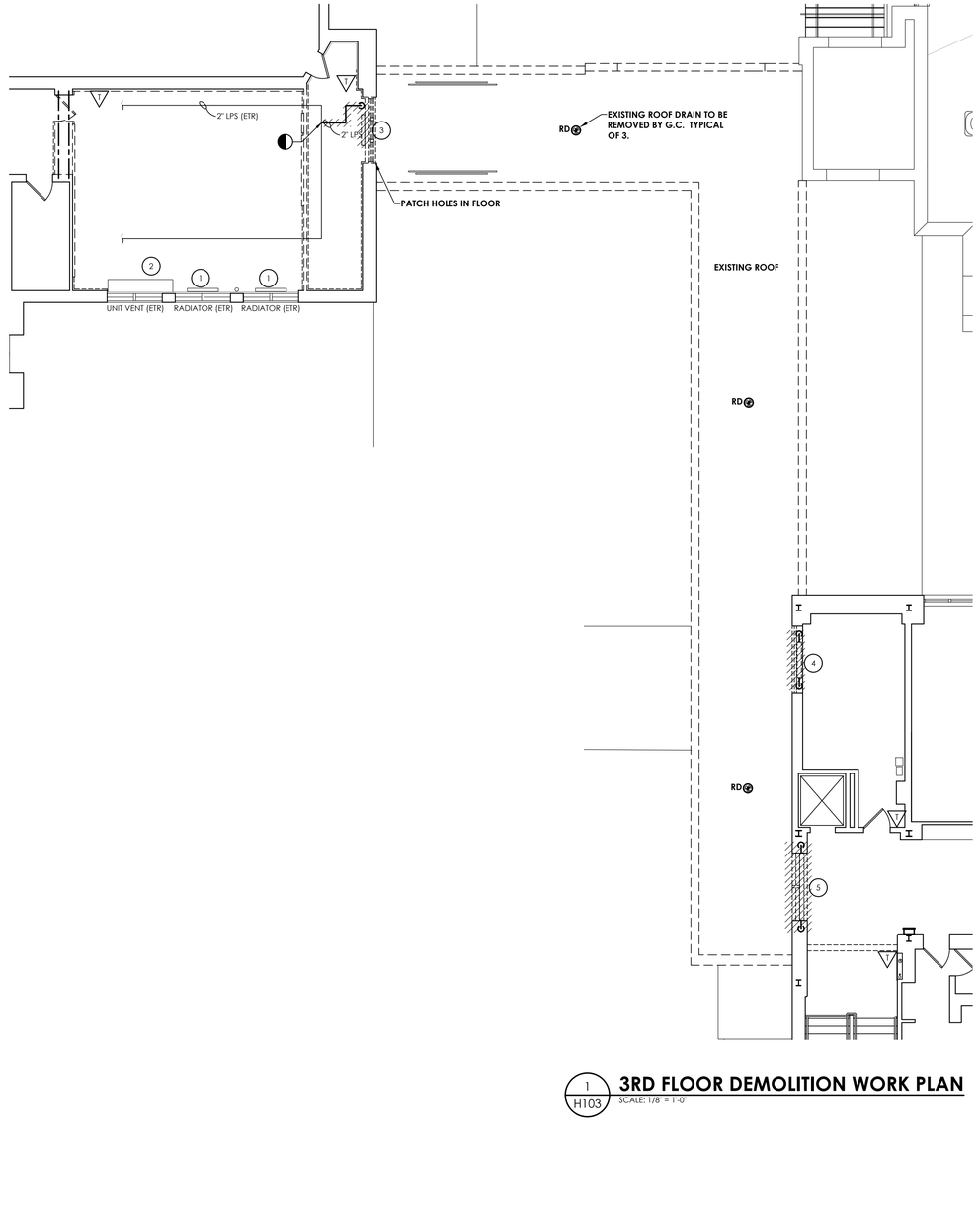


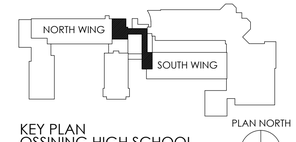
2 H103 **2ND FLOOR DEMOLITION WORK PLAN**
SCALE: 1/8" = 1'-0"



1 H103 **3RD FLOOR DEMOLITION WORK PLAN**
SCALE: 1/8" = 1'-0"

KEY NOTES:

1. EXISTING RADIATOR TO REMAIN.
2. EXISTING UNIT VENTILATOR TO REMAIN. UNIT SHALL BE CLEANED AND CONTROL SEQUENCE UPDATED.
3. SALVAGE EXISTING RADIATOR, AND DELIVER TO OWNER. REMOVE ALL ASSOCIATED STEAM AND CONDENSATE PIPING BACK TO MAIN AND CAP. LPC IN CEILING BELOW. REMOVE EXISTING CONTROLS.
4. REMOVE EXISTING CABINET UNIT HEATER. REMOVE ALL ASSOCIATED STEAM AND CONDENSATE PIPING BACK TO MAIN AND CAP. LPC IN CEILING BELOW. REMOVE ALL ASSOCIATED BRACING. WALL TO BE PATCHED AND PAINTED. SEE ARCHITECTURE DRAWINGS.
5. REMOVE EXISTING CABINET UNIT HEATER. REMOVE ALL ASSOCIATED STEAM AND CONDENSATE PIPING BACK TO MAIN AND CAP. LPC IN CEILING BELOW. REMOVE ALL ASSOCIATED BRACKETS AND SUPPORTS.
6. REMOVE CEILING AS NEEDED TO COMPLETE WORK. REPLACE CEILING AFTER WORK IN COMPLETED.



KEY PLAN
OSSINING HIGH SCHOOL
NOT TO SCALE

PLAN NORTH

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SED #: 66-14-01-03-0-003-040

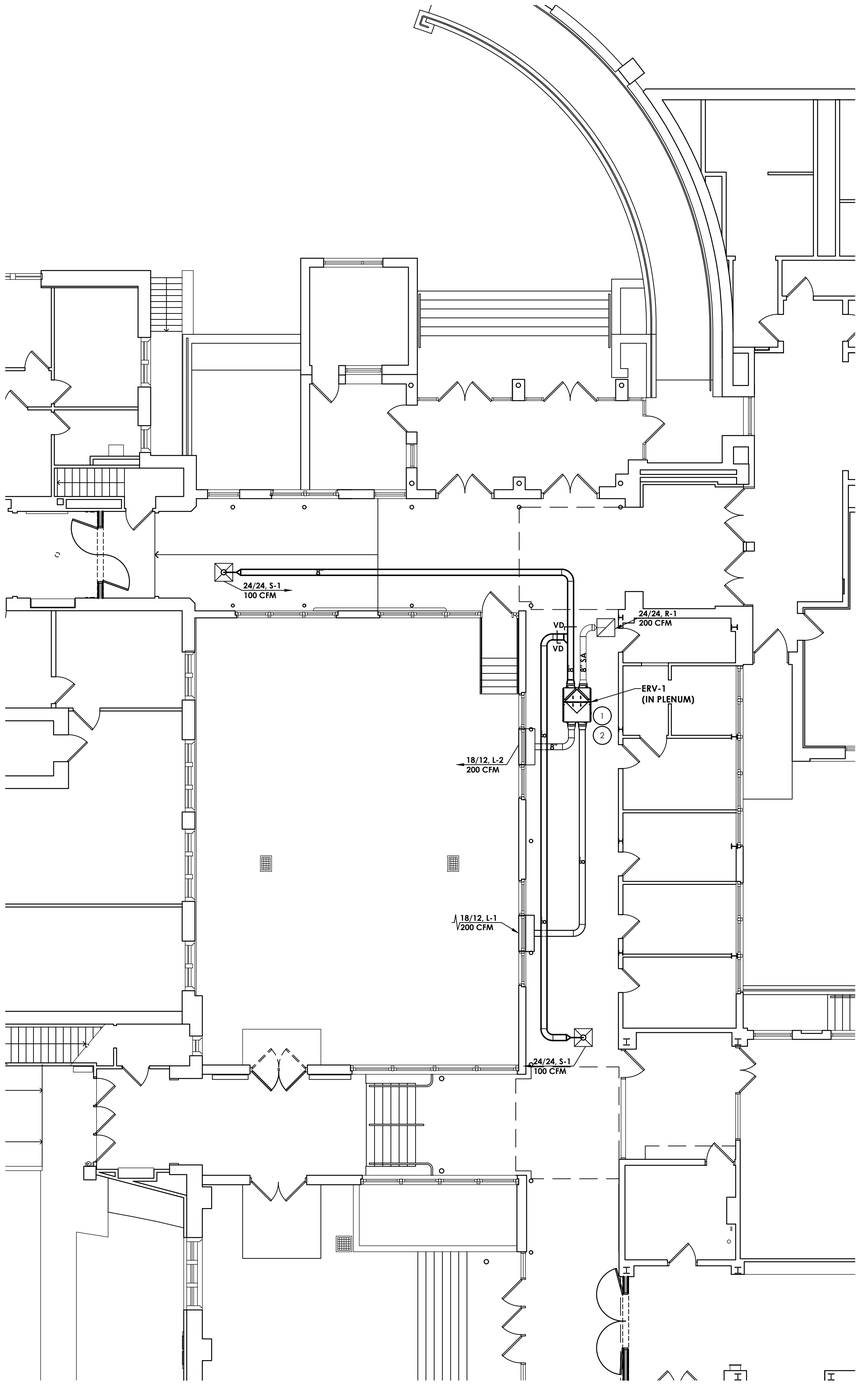
DATE	DRAWN	CHECKED
3/12/2021	NRH	AJS

SCALE AS NOTED

SHEET TITLE
MECHANICAL DEMO

PROJECT NUMBER
14428.13

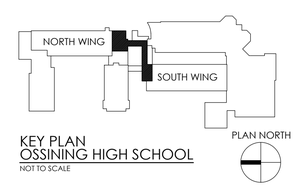
OHS
H103
DRAWING NUMBER



1 H201 **1ST FLOOR HALLWAY NEW WORK PLAN**
SCALE: 1/8" = 1'-0"

KEY NOTES:

1. PROVIDE NEW ENERGY RECOVERY VENTILATOR. ENERGY RECOVERY VENTILATOR SHALL BE MOUNTED TIGHT TO STRUCTURE TO ALLOW CLEARANCE FOR MAINTENANCE FROM BELOW. DUCT OA/EA TO NEW LOUVERS. COORDINATE ACCESS DOORS WITH CEILING GRID TO ALLOW ACCESS DOORS TO FULLY OPEN.
2. RE-INSULATE APPROXIMATELY 75LF EXISTING PIPING PER ASBESTOS ABATEMENT PLANS.



KEY PLAN
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NOT TO SCALE

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SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NRH	AJS

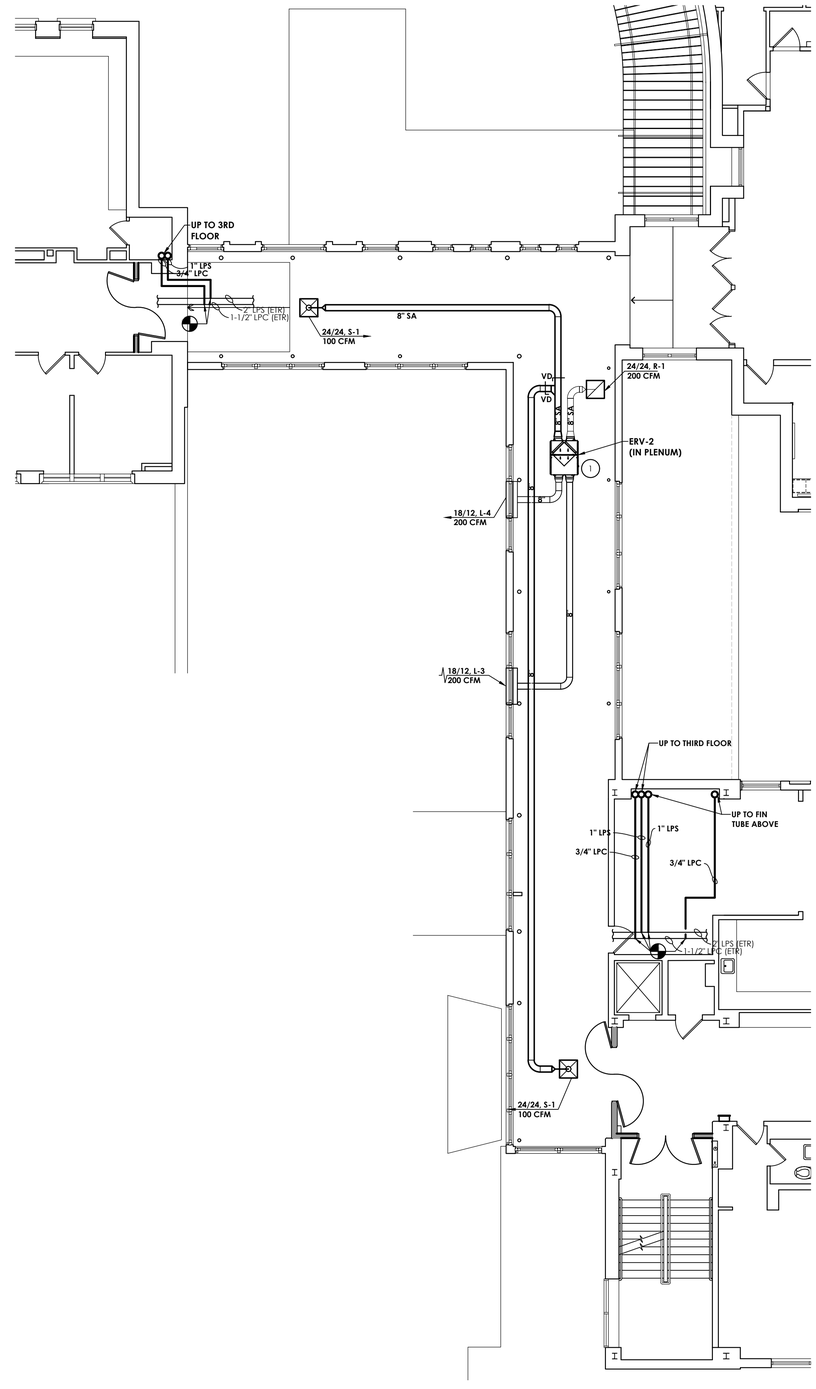
SCALE AS NOTED

SHEET TITLE
MECHANICAL NEW WORK PLAN FIRST FLOOR

PROJECT NUMBER
14428.13

OHS
H201
DRAWING NUMBER

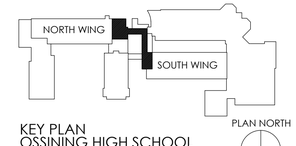
Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\MECH\H2\H201.dwg Date last accessed: 11/15/2021 2:39 PM Date last plotted: 11/15/2021 2:53 PM Plotted By: Brendon Mazza



1 / H202 **2ND FLOOR HALLWAY NEW WORK PLAN**
SCALE: 1/8" = 1'-0"

KEY NOTES:

1. PROVIDE NEW ENERGY RECOVERY VENTILATOR. ENERGY RECOVERY VENTILATOR SHALL BE MOUNTED TIGHT TO STRUCTURE TO ALLOW CLEARANCE FOR MAINTENANCE FROM BELOW. DUCT OA/EA TO NEW LOUVERS. COORDINATE ACCESS DOORS WITH CEILING GRID TO ALLOW ACCESS DOORS TO FULLY OPEN.



KEY PLAN
OSSINING HIGH SCHOOL
NOT TO SCALE

PLAN NORTH

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THIRD FLOOR CONNECTOR
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SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NRH	AJS

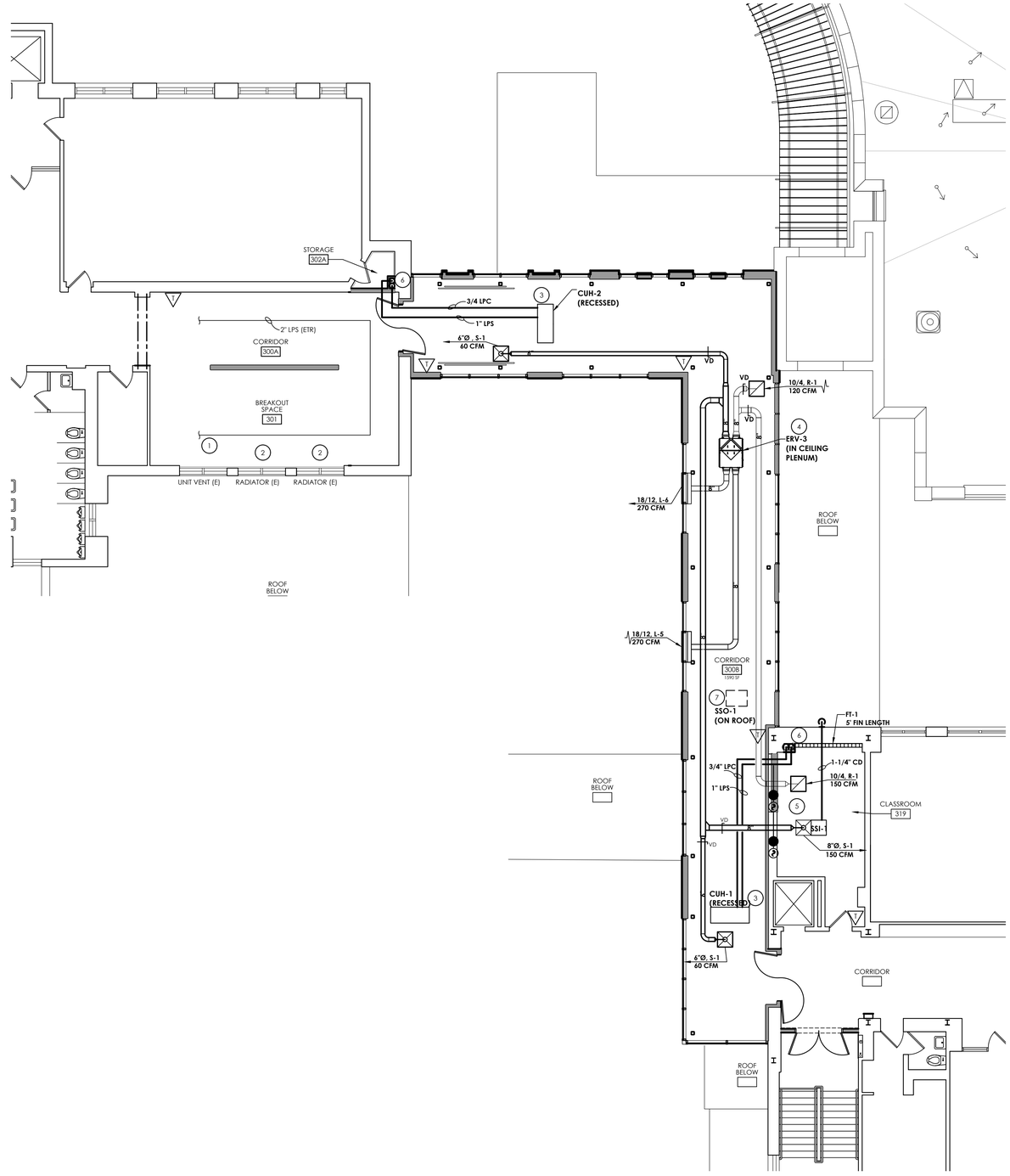
SCALE AS NOTED

SHEET TITLE
MECHANICAL NEW WORK PLAN SECOND FLOOR

PROJECT NUMBER
14428.13

OHS
H202
DRAWING NUMBER

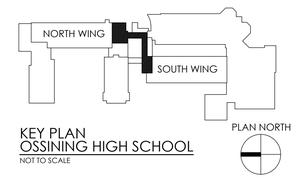
Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\MECH\H2\H202.dwg
Date last accessed: 11/15/2021 2:41 PM
Date last plotted: 11/15/2021 2:53 PM
Plotted By: Brendon Mazza



KEY NOTES:

1. RE-BALANCE EXISTING UNIT VENTILATOR TO NEW FLOW. REUSE EXISTING RETURN DUCTWORK.
2. PROVIDE A NEW THERMOSTATIC AND TEMPERATURE SENSEOR VALVE FOR EXISTING RADIATOR AND INTEGRATE IT INTO EXISTING BMS.
3. PROVIDE NEW RECESSED CABINET UNIT HEATER. ROUTE STEAM/ CONDENSATE TO NEW CABINET UNIT HEATER. PROVIDE WITH WALL MOUNTED TEMPERATURE SENSOR AND INTEGRATE INTO EXISTING BMS.
4. PROVIDE NEW ENERGY RECOVERY VENTILATOR. ENERGY RECOVERY VENTILATOR SHALL BE MOUNTED TIGHT TO STRUCTURE TO ALLOW CLEARANCE FOR MAINTENANCE. DUCT OA/EA TO NEW LOUVERS. COORDINATE ACCESS DOOR LOCATION WITH CEILING GRID.
5. PROVIDE ROOM 319 WITH NEW UNIT FAN COIL. EXTEND STEAM AND CONDENSATE PIPING TO NEW UNIT. EXISTING RELIEF DUCTWORK SHALL BE RE-USED. PROVIDE WITH NEW WALL MOUNTED TEMPERATURE SENSOR AND INTEGRATE INTO EXISTING BMS.
6. EXTEND LPC TO CLOSEST EXISTING CONDENSATE ON FLOOR BELOW.
7. PROVIDE PIPE PORTAL AND MOUNT ON 12" RAILS. SEE REFRIGERANT PIPING SCHEMATIC.

1 / H203 **3RD FLOOR HALLWAY NEW WORK PLAN**
SCALE: 1/8" = 1'-0"



KEY PLAN
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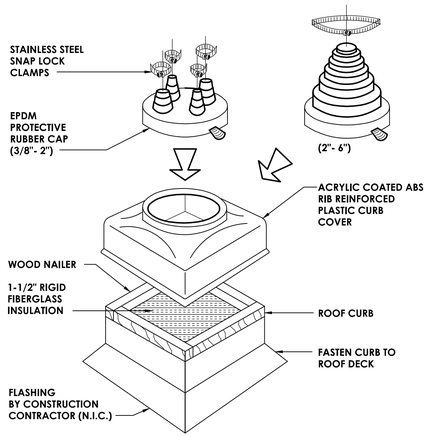
SCALE AS NOTED

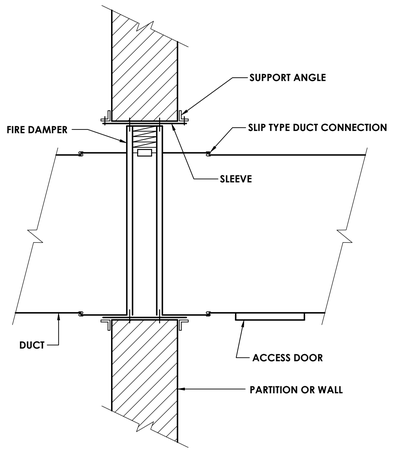
SHEET TITLE
MECHANICAL NEW WORK PLAN THIRD FLOOR

PROJECT NUMBER
14428.13

OHS
H203
DRAWING NUMBER

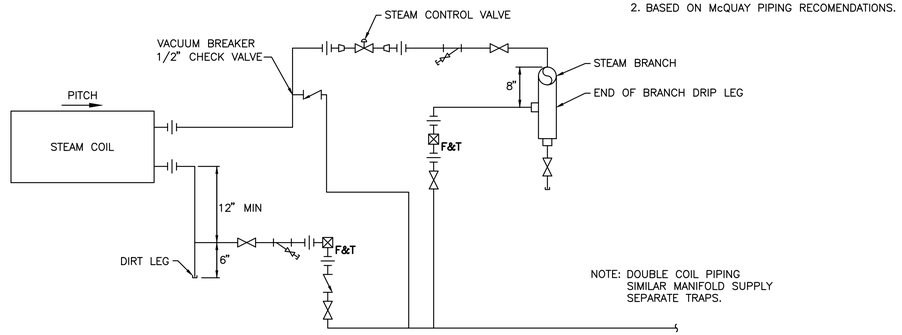


9 H801 **PIPE PORTAL DETAIL**
NOT TO SCALE

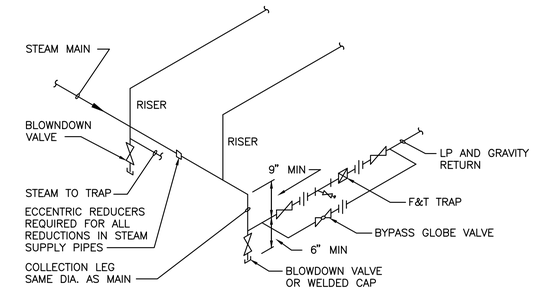


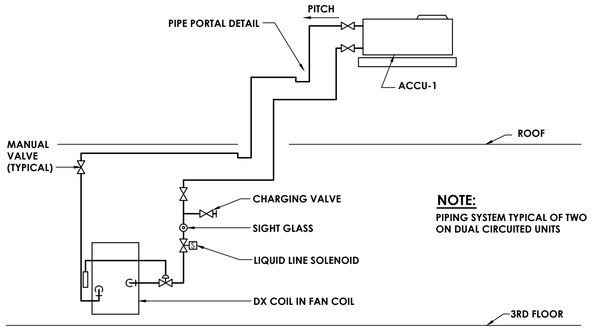
10 H801 **VERTICAL FIRE DAMPER DETAIL**
NOT TO SCALE

NOTE TO ENGINEER:
1. USE FOR STEAM UP TO 25 PSI.
2. BASED ON McQUAY PIPING RECOMENDATIONS.

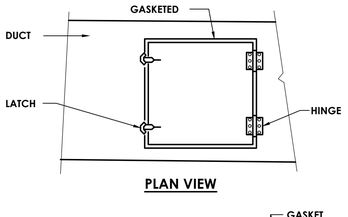


1 H801 **STEAM COIL PIPING DETAIL**
SCALE: N.T.S.

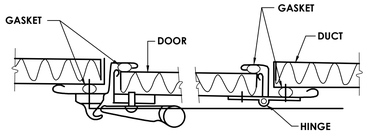




8 H801 **REFRIGERANT PIPING SCHEMATIC**
NOT TO SCALE

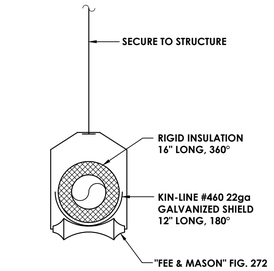


PLAN VIEW

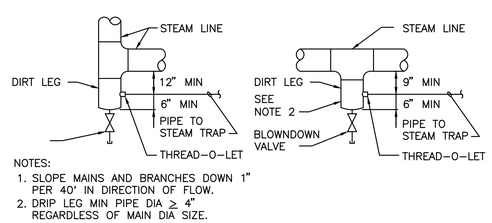


SECTION VIEW

7 H801 **ACCESS DOOR DETAIL**
NOT TO SCALE

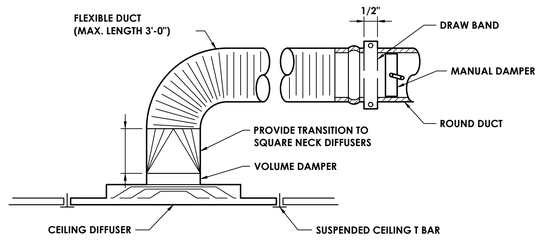


4 H801 **PIPE HANGER DETAIL**
NOT TO SCALE

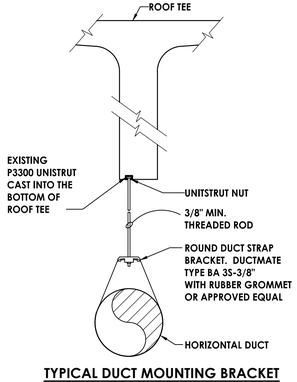


NOTES:
1. SLOPE MAINS AND BRANCHES DOWN 1" PER 40' IN DIRECTION OF FLOW.
2. DRIP LEG MIN PIPE DIA ≥ 4" REGARDLESS OF MAIN DIA SIZE.

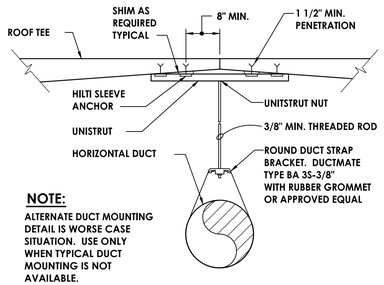
2 H801 **TYPICAL STEAM LINE AND DRIP ARRANGEMENT**
SCALE: N.T.S.



6 H801 **DIFFUSER DETAIL**
NOT TO SCALE



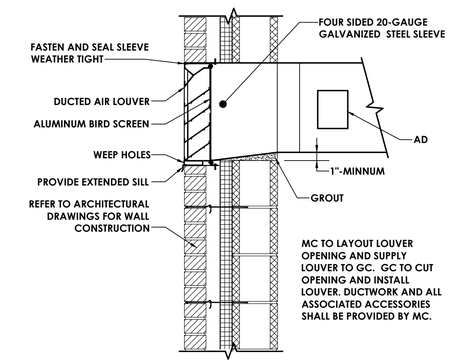
TYPICAL DUCT MOUNTING BRACKET



NOTE:
ALTERNATE DUCT MOUNTING DETAIL IS WORSE CASE SITUATION. USE ONLY WHEN TYPICAL DUCT MOUNTING IS NOT AVAILABLE.

ALTERNATE DUCT MOUNTING

5 H801 **DUCT MOUNTING DETAILS**
NOT TO SCALE



3 H801 **DUCTED LOUVER THROUGH WALL SECTION**
NOT TO SCALE

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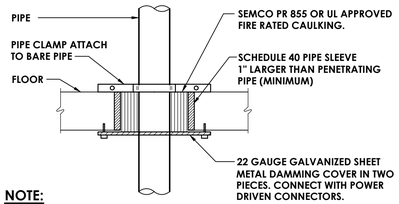
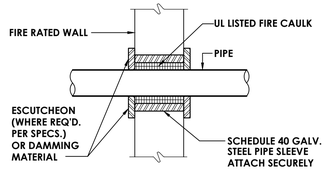
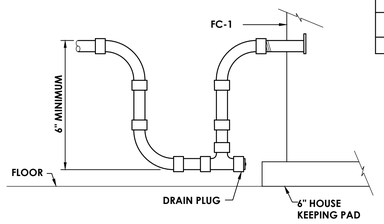


NOTE:
ALL MATERIALS MUST HAVE A MINIMUM MELTING POINT OF 1700° F

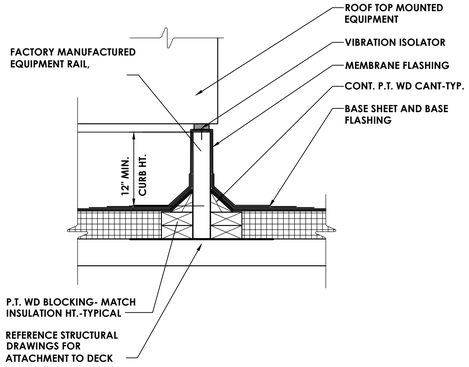
1 H901 **PIPE THROUGH RATED FLOOR**
NOT TO SCALE



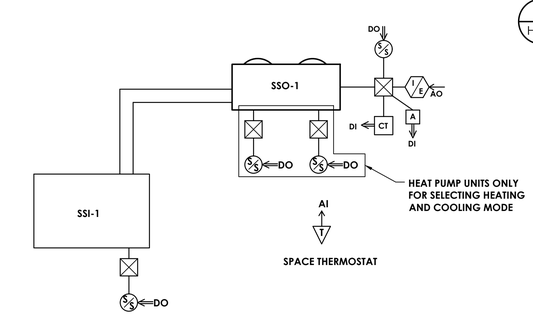
2 H901 **PIPE THROUGH RATED WALL**
NOT TO SCALE



3 H901 **CONDENSATE TRAP DETAIL**
NOT TO SCALE



4 H901 **EQUIPMENT RAIL DETAIL**
SCALE: 1 1/2" = 1'-0"



VRF MANUFACTURER TO PROVIDE CONTROL OF SPACE TEMPERATURE SET POINTS, OCCUPIED/UNOCCUPIED MODES, HEATING, COOLING MODES AND LOAD DEMAND.

5 H901 **VRF SPLIT SYSTEM CONTROLS**
SCALE: NOT TO SCALE

HEAT PUMP SCHEDULE

MARK	LOCATION	SERVES	NOMINAL TONS	MBH COOLING	MBH HEATING	ELECTRICAL DATA							WT (LB)	EER/SEER	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
						FAN DATA		COMPRESSOR		REF	θ / V	MCA				
						NO.	MOTOR OUTPUT KW	QTY	RLA							
SSO-1	ROOF	SSI-1	1	12	12	1	0.046	1	12	410A	1/208	11	93	16.4/27	MITSUBISHI TPLA0A0121EA70A	1

REMARKS: 1. PROVIDE FACTORY MOUNTED DISCONNECT

ENERGY RECOVERY UNITS (INDOORS)

MARK	LOCATION	AREA SERVED	SA (CFM)	EA (CFM)	RA (CFM)	WINTER ENERGY RECOVERY %	SUMMER ENERGY RECOVERY %	OPERATING WEIGHT (LBS)	FILTERS	ELECTRICAL		TYPICAL UNIT MFG & MODEL NO.	REMARKS:
										V/Ø/HZ	MCA		
ERV-1	1ST FLOOR HALLWAY	1ST FLOOR HALLWAY	200	200	200	70	50	250 LBS	MERV 13, 2"	120/1/60	10.1	RENEWAIRE EV-450IN	1
ERV-2	2ND FLOOR HALLWAY	2ND FLOOR HALLWAY	200	200	200	70	50	250 LBS	MERV 13, 2"	120/1/60	10.1	RENEWAIRE EV-450IN	1
ERV-3	3RD FLOOR HALLWAY	3RD FLOOR HALLWAY	270	270	270	70	50	250 LBS	MERV 13, 2"	120/1/60	10.1	RENEWAIRE EV-450IN	1

REMARKS: 1. PROVIDE WITH 1.5 KW ELECTRIC HEATING COIL SHIPPED LOOSE BY MANUFACTURER.

CEILING CASSETTE UNITS

MARK	TOTAL AIRFLOW CFM	NOM.HEATING CAPACITY BTU/HR	HEATING CAPACITY BTU/HR	NOM.COOLING CAPACITY BTU/HR	COOLING CAPACITY BUT/HR	DIMENSIONS (W" X H" X D")	WEIGHT (LBS)	POWER (Ø/V/Hz)	AMPS	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
SSI-1	530	20000	14000	12000	12000	33-1/16 X 10-5/32 X 33-1/16	46	1 / 208 / 60	1	MITSUBISHI TPLA0A0121EA70A	1

REMARKS: 1. FURNISH DISCONNECT SWITCHES FOR ALL UNITS.

STEAM CABINATE UNIT HEATER SCHEDULE

MARK	LOCATION	TYPE	CFM	STEAM PRESURE	LBS/HR	OUTPUT MBH	EAT	LAT	V/PH/HZ	AMPS	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
CUH-1	HALLWAY	CEILING RECESSED	860	2PSI	-	56000	60	120	115/1/60	2.2	STERLING RC008	1
CUH-2	HALLWAY	CEILING RECESSED	860	2PSI	-	56000	60	120	115/1/60	2.2	STERLING RC008	1

REMARKS: 1. COLOR BY ARCHITECT. ACCESS DOORS SHALL BE COORDINATED WITH CEILING AND STRUCTURE.

LOUVER SCHEDULE

MARK	LOCATION	SERVICE	FREE AREA (SQ. FT.)	CFM	SP (IN. WG)	SIZE W&H (IN.)	TYPICAL UNIT MFG. & MODEL NO.	REMARKS:
L-1	1ST FLOOR HALLWAY	SUPPLY AIR	0.75	200	0.05	18X12	RUSKIN ELF6375	1,2
L-2	1ST FLOOR HALLWAY	EXHAUST AIR	0.75	200	0.05	18X12	RUSKIN ELF6375	1,2
L-3	2ND FLOOR HALLWAY	SUPPLY AIR	0.75	200	0.05	18X12	RUSKIN ELF6375	1,2
L-4	2ND FLOOR HALLWAY	EXHAUST AIR	0.75	200	0.05	18X12	RUSKIN ELF6375	1,2
L-5	3RD FLOOR HALLWAY	SUPPLY AIR	0.75	270	0.05	18X12	RUSKIN ELF6375	1,2
L-6	3RD FLOOR HALLWAY	EXHAUST AIR	0.75	270	0.05	18X12	RUSKIN ELF6375	1,2

REMARKS: 1. COLOR MATCH WALL PANELS.
2. PROVIDE WITH BIRDSCREEN AND DRAINABLE BLADES.

STEAM FIN TUBE SCHEDULE

MARK	BTU/FT.	TUBE SIZE (IN.)	FINS / FT.	STEAM PSI	ENCLOSURE			TYPICAL UNIT MFG & MODEL NO.	REMARKS:
					L (IN.)	H (IN.)	D (IN.)		
FT-1	1520	3-5/8"X4-1/4"	32	2	100	14	6	STERLING JVB-S	1,2

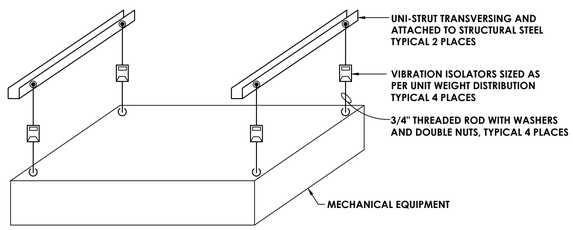
REMARKS: 1. COLOR BY ARCHITECT.
2. ELEMENT LENGTH LISTED ON PLANS. CAT - 66289C RETURN

REGISTERS, GRILLES, AND DIFFUSERS

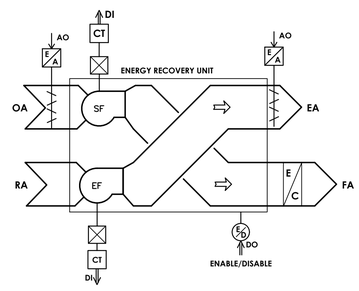
MARK	APPLICATION	MATERIAL	TYPE	FINISH	DESIGN EQUIP.	REMARKS
S-1	SUPPLY	STEEL	LAY-IN	WHITE	PRICE SCD	1,2
R-1	RETURN/EA	STEEL	LAY-IN	WHITE	PRICE 510	1,2

REMARKS: 1. PROVIDE WITH 24" x 24" CEILING MODULE FRAME LAY IN STYLE
2. COLOR BY ARCHITECT BASED ON MANUFACTURES STANDARD COLORS

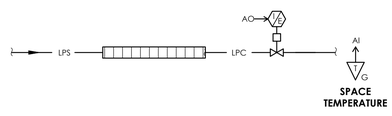
NAME	NUMBER	SQFT	PEOPLE/ 1000SQFT	CFM/ PERSON	CFM/ SQFT	People	TOTAL	EZ	ADJUSTED TOTAL
FIRST FLOOR CORRIDOR	100	1300	-	-	0.06		78	0.8	98
SECOND FLOOR CORRIDOR	200	1350	-	-	0.06		81	0.8	101
THIRD FLOOR CORRIDOR	300	1600	-	-	0.06		96	0.8	120
CLASSROOM	319	235	35	10	0.12	9	118	0.8	148
BREAKOUT SPACE	301	415	35	10	0.12	15	200	0.8	250



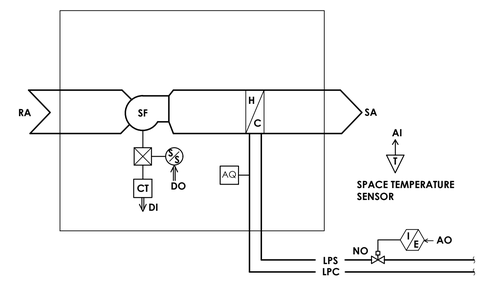
6 H901 **INDOOR UNIT SUPPORT INSTALLATION DETAIL**
NOT TO SCALE



7 H901 **ENERGY RECOVERY UNIT CONTROLS**
SCALE: NOT TO SCALE



8 H901 **FIN TUBE CONTROLS SCHEMATIC**
SCALE: NOT TO SCALE



9 H901 **UNIT HEATER TYPICAL CONTROLS DIAGRAM**
SCALE: NOT TO SCALE

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DATE	DRAWN	CHECKED
3/12/2021	NRH	AJS

SCALE AS NOTED

SHEET TITLE
MECHANICAL DETAILS CONTROLS AND SCHEDULES

PROJECT NUMBER
14428.13

OHS
H901
DRAWING NUMBER

WIRING LEGEND:

- S. SWITCH
  - (NONE) SINGLE POLE TOGGLE SWITCH
  - 2 TWO POLE TOGGLE SWITCH
  - 3 THREE WAY TOGGLE SWITCH
  - 4 FOUR WAY TOGGLE SWITCH
  - WP SINGLE POLE WEATHER PROOF SWITCH
  - K SINGLE POLE KEYED SWITCH
  - K2 TWO POLE KEYED SWITCH
  - K3 THREE WAY KEYED SWITCH
  - K4 FOUR WAY KEYED SWITCH
  - P SINGLE POLE SWITCH WITH PILOT LIGHT
  - TM SINGLE POLE SWITCH WITH ONE HOUR TIMER
  - T THERMAL SWITCH
  - TP THERMAL SWITCH WITH PILOT LIGHT
  - M MOMENTARY CONTACT SWITCH
- S_{II} ROMAN NUMERAL DESIGNATES NUMBER OF SWITCHES
- S_{a} LOWER CASE LETTER DESIGNATES SWITCH LEG
- SINGLE RECEPTACLE
- PLUG MOLD
- DUPLEX RECEPTACLE
- QUADRAPLEX RECEPTACLE
- SPECIAL RECEPTACLE
  - GFI GROUND FAULT CIRCUIT INTERRUPTER
  - WP WEATHER PROOF IN-USE COVER
  - SS SURGE SUPPRESSION
  - C COUNTER HEIGHT
  - TR TAMPER RESISTANT, UL LISTED
  - IG ISOLATED GROUND
  - RT RAIN TITE
  - E EMERGENCY
  - X TYPE X (SEE RECEPTACLE SCHEDULE)
- PP POWER POLE
- RECESSED FLOOR MOUNTED DUPLEX RECEPTACLE
- SURFACE MOUNTED FLOOR RECEPTACLE
- CEILING MOUNTED DUPLEX RECEPTACLE
- —C— CONDUIT
- —W— EXPOSED LOW VOLTAGE WIRING
- HORIZONTAL METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES
- VERTICAL METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES
- —WM— WIRE MOLD
- J. JUNCTION BOX
  - F FIRE SYSTEM
  - S SECURITY SYSTEM
- DISCONNECT SWITCH
- $_{WP}$ DISCONNECT SWITCH - WEATHER PROOF (NEMA 3R)
- F FUSED DISCONNECT SWITCH
- $_{*}$ COMBINATION FUSED DISCONNECT/ MAGNETIC STARTER SWITCH
  - HOA HAND/OFF/AUTO
  - SS START/STOP
- $_{M}$ MANUAL STARTER
- VSD COMBINATION VARIABLE SPEED DRIVE AND DISCONNECT
- VSD VARIABLE SPEED DRIVE
- ST/SP PUSHBUTTON - START, STOP
- ST/SP/PL PUSHBUTTON - START, STOP, WITH PILOT LIGHT
- UP/DN/SP PUSHBUTTON - UP, DOWN, STOP
- EF-1 MOTOR WITH DESIGNATOR
- TC TIME CLOCK
- WH WATER HEATER
- HD HAND DRYER, HARD WIRED
- T THERMOSTAT
- HVP1-6 BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER, QUANTITY OF ARROWHEADS DENOTES QUANTITY OF BRANCH CIRCUITS
  - GFI BKR. GFI TYPE BREAKER
  - A.F. BKR. ARC FAULT BREAKER
- BRANCH CIRCUIT WIRING, PROVIDE QUANTITIES OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING AS INDICATED
- POWER LEG ONLY (NO SWITCH LEG BETWEEN ROOMS)
- HARDWIRE CONNECTION
- CONDUIT RISER UP
- CONDUIT RISER DOWN
- T TRANSFORMER
- T_{K} TYPE "K" TRANSFORMER
- MUSHROOM HEAD PUSH BUTTON (EMERGENCY STOP)
- EMERGENCY BREAK GLASS STATION
- GROUNDING ROD

SINGLE LINE DIAGRAM LEGEND:

- EARTH GROUND
- CHASSIS GROUND
- 45 KVA 480-208/120V K-13 TRANSFORMER - KVA, PRIMARY AND SECONDARY VOLTAGE INDICATED. CONNECTIONS, K-RATING, AND SHIELD SPECIFIED
- CURRENT TRANSFORMER
- POTENTIAL TRANSFORMER
- FUSE
- DISCONNECT/LOADBREAK SWITCH
- CIRCUIT BREAKER
- CIRCUIT BREAKER DRAWOUT MOUNTED (LOW VOLTAGE)
- AUTOMATIC TRANSFER SWITCH (NORMAL POSITION SHOWN)
- M METER
- ENCLOSED CIRCUIT BREAKER
- LIGHTNING ARRESTER
- FUSED DISCONNECT SWITCH
- PANEL 208-120V 225A PANELBOARD- RATINGS AS SPECIFIED IN SINGLE LINE DIAGRAM AND ON PANELBOARD SCHEDULE

COMMUNICATIONS LEGEND:

- TELEPHONE (1) CAT3 - TELEPHONE JACK & CABLE
  - (NONE) STANDARD MODULAR JACK FOR TELEPHONE
  - W WALL MOUNTED TELEPHONE MODULAR JACK
  - P PUBLIC TELEPHONE MODULAR JACK
  - C COUNTER HEIGHT MODULAR JACK
- TELEPHONE FLOOR OUTLET (1) CAT3 - TELEPHONE JACK & CABLE
- DATA OUTLET WITH FLUSH BOX AND FACEPLATE (1) CAT5e - DATA JACK & CABLE
- COMPUTER FLOOR OUTLET (1) CAT5e - DATA JACK & CABLE
- COMBINATION TELEPHONE CABLE AND DATA OUTLETS IN DOUBLE GANG FLUSH MOUNTED BOX WITH FACEPLATE
- WT WIRELESS TRANSMITTER (PROVIDED BY OWNER) CONTRACTOR TO PROVIDE (2) CAT5e DATA JACKS & CABLING
- T/D BACK BOX FOR OWNER PROVIDED TEL/COM WIRING & DEVICES
- DATA RACK
- COAX CABLE (TYPE F CONNECTOR)
- CEILING MOUNT LCD PROJECTOR
- SPEAKER (PUBLIC ADDRESS)
  - (NONE) CEILING MOUNTED
  - W WALL MOUNTED
- SPEAKER (LOCAL SOUND SYSTEM)
- SPEAKER HORN
- MICROPHONE JACK
- SPEAKER JACK
- VOLUME CONTROL
- CLOCK
- DOUBLE FACE CLOCK
- CLS COMBINATION CLOCK AND SPEAKER
- IC INTERCOM STATION
- PA REMOTE PRE-AMPLIFIER AND PAGING MICROPHONE
- CJ CONSOLE JACK
- HL HOUSE LIGHT CONTROL STATION
- WB WALL BOX AS SPECIFIED
- FB FLOOR BOX

NOTE:

SYMBOLS SHOWN ON THIS ELECTRICAL SYMBOLS LIST ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

FIRE/LIFE SAFETY LEGEND:

- F FIRE ALARM PULL STATION
- FA FIRE ALARM HORN - WALL MOUNTED
- FA$_{C}$ FIRE ALARM HORN - CEILING MOUNTED
- XXcd FIRE ALARM HORN AND STROBE COMBINATION XXcd = STROBE CANDELA RATING
- XXcd FIRE ALARM STROBE XXcd = STROBE CANDELA RATING
- XXcd FIRE ALARM STROBE - CEILING MOUNTED XXcd = STROBE CANDELA RATING
- SMOKE DETECTOR
- $_{WG}$ SMOKE DETECTOR WITH GUARD
- $_{CO}$ CARBON MONOXIDE DETECTOR
- $_{CH4}$ NATURAL GAS SENSOR
- HEAT DETECTOR - 160° RATE OF RISE
- COMBINATION SMOKE/HEAT DETECTOR
- $_{F}$ HEAT DETECTOR - 190° FIXED TEMPERATURE
- $_{EXP}$ HEAT DETECTOR - EXPLOSION PROOF
- $_{BT}$ BEAM SMOKE DETECTOR TRANSMITTER
- $_{BR}$ BEAM SMOKE DETECTOR RECEIVER
- $_{*}$ DUCT DETECTOR
  - SA INDICATES INSTALLATION IN SUPPLY AIR
  - RA INDICATES INSTALLATION IN RETURN AIR
- $_{RTS}$ REMOTE TEST STATION FOR DUCT DETECTOR
- $_{R}$ FIRE ALARM SHUT DOWN RELAY
- DH FIRE DOOR HOLD OPEN
- VS TAMPER SWITCH
- WT FLOW SWITCH
- FSS FIRE SUPRESSION ANSUL SYSTEM CONNECTION
- FR$_{*}$ SMOKE DAMPER RELAY CONNECTION
  - SD/FD SMOKE DAMPER AND FIRE DAMPER
  - SD SMOKE DAMPER
- AM CONTROL MODULE, ADDRESSABLE
- AREA OF RESCUE CALL STATION
- ADM AREA OF RESCUE MASTER TELEPHONE STATION
- FACP FIRE ALARM AS-BUILT DOCUMENT CABINET, LOCATE ADJACENT TO FIRE ALARM CONTROL PANEL

SECURITY LEGEND:

- KP SECURITY KEY PAD
- VIDEO CAMERA
- VM CCTV VIDEO MONITOR
- PIR PASSIVE INFRARED MOTION DETECTOR
- PR PROXIMITY CARD READER
- C CALL SWITCH
- DC DOOR CONTACT
- WC WINDOW CONTACT
- ES ELECTRIC STRIKE DOOR RELEASE
- ML MAGNETIC DOOR RELEASE
- DA DOOR ACTUATOR

NURSE CALL LEGEND:

- CB NURSE CALL BUTTON
- P NURSE CALL PATIENT BED STATION
- B CODE CALL BUTTON
- SA NURSE CALL STAFF ASSIST STATION
- S NURSE CALL STAFF STATION
- SD NURSE CALL DUTY/STAFF STATION
- D NURSE CALL DUTY STATION
- NURSE CALL LIGHT
- NURSE CALL CODE LIGHT
- NURSE CALL ZONE LIGHT
- M NURSE CALL MASTER STATION
- E NURSE CALL EMERGENCY PULL STATION
- IR NURSE CALL INFRARED SENSOR

LIGHT FIXTURE LEGEND:

- XX LIGHTING FIXTURE (SEE LIGHTING FIXTURE SCHEDULE FOR LETTER DESIGNATION AND DESCRIPTION OF FIXTURES)
- EM EM EMERGENCY AND/OR NIGHT LIGHT LIGHTING FIXTURE EM = INDICATES EMERGENCY 90 MINUTE BATTERY REQUIRED
- EXIT LIGHTING FIXTURE UNIVERSAL MOUNT, SINGLE/DOUBLE FACE (WHERE USED, ARROW INDICATES CHEVRON DIRECTION)
- BATTERY POWERED EMERGENCY LIGHT WITH 90 MINUTE BATTERY
- TRACK LIGHTING
- POLE MOUNTED LIGHTING (QUANTITY AND ORIENTATION OF HEADS AS SHOWN)
- OS OCCUPANCY SENSOR - CEILING MOUNTED
- OSW OCCUPANCY SENSOR - WALL MOUNTED
- LC LIGHTING CONTACTOR
- PC PHOTOCELL
- S. SWITCH
  - LV LOW VOLTAGE 4-BUTTON DIMMING STATION (WITH ON/OFF AND RAISE/LOWER BUTTONS)
  - LV1 LOW VOLTAGE 4-BUTTON DIMMING STATION (WITH ON/OFF AND RAISE/LOWER BUTTONS AND PROTECTIVE HOUSING)
  - O LOW VOLTAGE OCCUPANCY SENSOR DIMMING SWITCH (WITH OCCUPANCY SENSOR, ON/OFF AND RAISE/LOWER BUTTONS)

PANEL LEGEND:

- EXISTING ELECTRICAL PANEL
- XXX NEW ELECTRICAL PANEL
  - MDP MAIN DISTRIBUTION PANEL
  - LVP LOW VOLTAGE PANEL
  - HVP HIGH VOLTAGE PANEL
  - LP LIGHTING CONTROL PANEL
  - IG ISOLATED GROUND PANEL
  - MSB MAIN SWITCH BOARD
  - MCC MOTOR CONTROL CENTER
  - TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION
- ATS AUTOMATIC TRANSFER SWITCH
- XXX ELECTRICAL SYSTEMS PANEL
  - SACP SECURITY ALARM CONTROL PANEL
  - FACP FIRE ALARM CONTROL PANEL
  - PA PUBLIC ADDRESS CONTROL PANEL
  - FAAP FIRE ALARM ANNUNCIATOR PANEL
  - FACP FIRE ALARM CONTROL PANEL

ELECTRICAL PANELBOARD LABELING PLACARD

LINE 1 - PANELBOARD NAME: PP1 (EXAMPLE)
LINE 2 - VOLTAGE AND PHASE: 208/120V-3PH-4W (EXAMPLE)
LINE 3 - WHERE PANELBOARD IS FED FROM: FF MSB BREAKER #14 (EXAMPLE)

GENERAL ELECTRICAL NOTES:

1) HATCHED AREAS ////// DESIGNATE EXISTING EQUIPMENT TO BE REMOVED, UNLESS OTHERWISE NOTED.
2) ALL WORK TO BE DONE IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70).
3) CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING.

BUILDING:

4) INSTALLATION HEIGHT TO CENTER OF EQUIPMENT ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED TO BE:
   - RECEPTACLE = 18"
   - SWITCH = 44"
   - MODULAR JACK FOR WALL MOUNTED TELEPHONE = 52"
   - MODULAR TELEPHONE JACK = 18"
   - AUDIO/VISUAL FIRE ALARM INDICATORS = 88"
   - FIRE ALARM PULL STATIONS = 48"
   - TELEVISION OUTLET = 7'-0"
   - COMPUTER OUTLET = 18"
   - CALL SWITCH = 44"
   - REMOTE TEST STATION FOR DUCT DETECTOR = 52"
   - C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS AND MILLWORK.
5) INSTALL DATA JACKS FOR CEILING MOUNTED WIRELESS TRANSMITTERS ABOVE CEILING IN ALL AREAS WHERE THERE IS AN ACCESSIBLE CEILING. PROVIDE FLUSH MOUNTED JACKS IN ALL HARD CEILINGS.
6) ALL CONDUIT AND WIRING TO BE CONCEALED IN WALLS, FLOOR, OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN-LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.
7) ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.
8) CONDUIT RUNS SHOWN ARE SCHEMATICAL AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

GROUNDING:

9) ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

WIRING:

10) UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT, UNLESS OTHERWISE NOTED. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS OTHERWISE NOTED. PROVIDE #10 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 100 FEET. COMBINED NEUTRALS ARE NOT PERMITTED.

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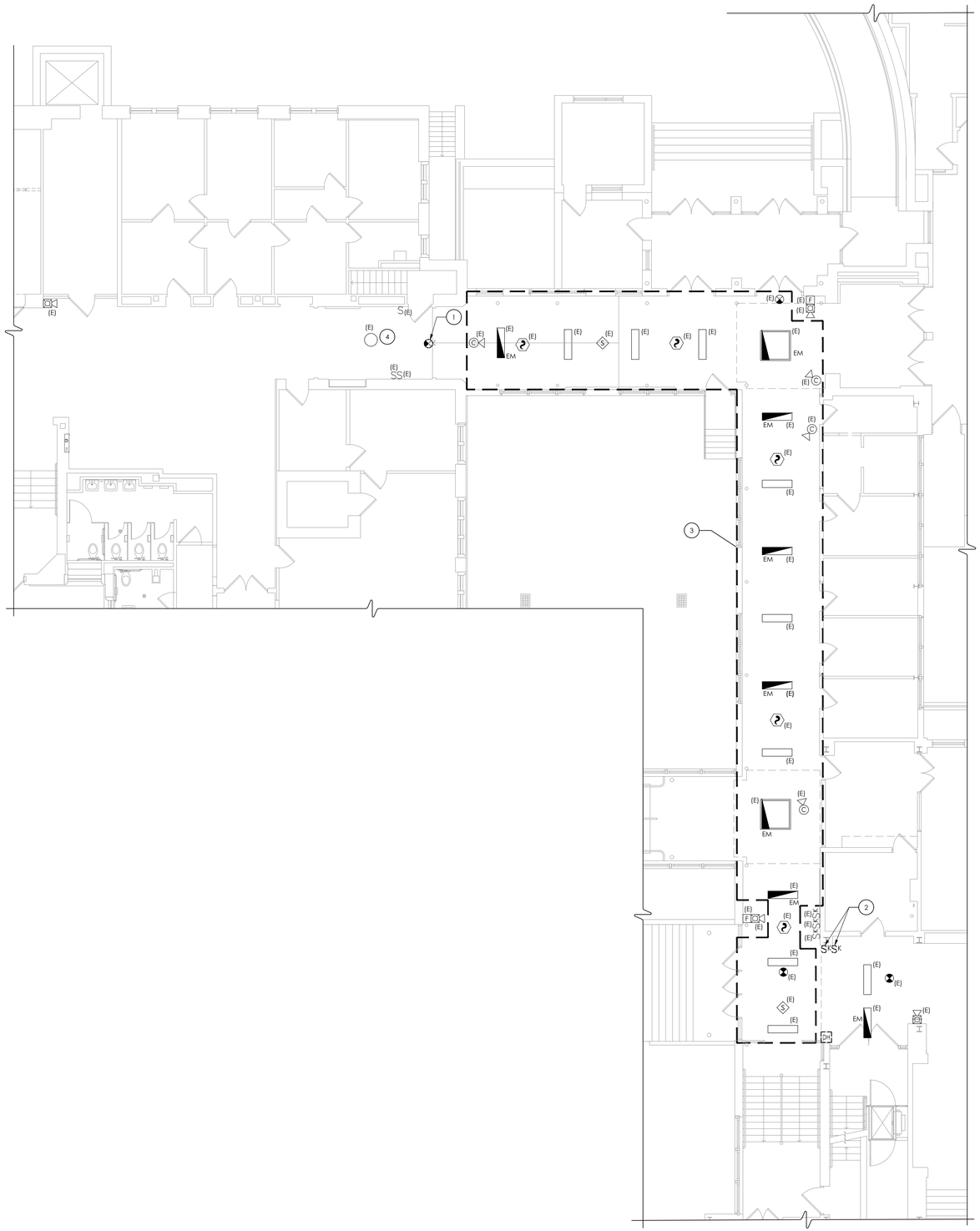
DATE	DRAWN	CHECKED
3/12/2021	MAY	JAS

SCALE AS NOTED

SHEET TITLE
ELECTRICAL LEGEND AND NOTES

PROJECT NUMBER 14428.13

OHS E000 DRAWING NUMBER



1 E100 FIRST FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "(E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.

C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.

D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

G. ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - (E). THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

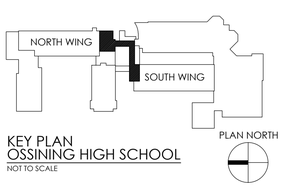
KEY NOTES:

1. DISCONNECT AND REMOVE EXIT SIGN. CONDUIT AND WIRING TO REMAIN FOR EXISTING CIRCUIT CONTINUITY.

2. DISCONNECT AND REMOVE LIGHT SWITCH AND BACKBOX. EXISTING WIRING TO BE REMOVED BACK TO ACCESSIBLE CEILING AREA AND TAGGED FOR EXTENSION AND CONNECTION TO REPLACEMENT DEVICE IN NEW LOCATION. REFER TO DRAWING OHS-E300.

3. DISCONNECT, REMOVE AND STORE EXISTING LIGHTING FIXTURES, EXIT SIGNS, PA SYSTEM SPEAKERS, CAMERAS AND SMOKE DETECTORS, ETC. INSIDE DASHED LINED AREA TO ALLOW REMOVAL OF EXISTING CEILING, UNLESS OTHERWISE NOTED. MAINTAIN WIRING AND TAG FOR REUSE. REFER TO DRAWINGS OHS-E200 AND OHS-E300 FOR REINSTALLATION.

4. DISCONNECT, REMOVE AND STORE EXISTING PENDANT LIGHT FIXTURE. MAINTAIN EXISTING LIGHTING BRANCH CIRCUITRY FOR EXTENSION TO RELOCATED FIXTURE LOCATION. REFER TO DRAWING OHS-E300.



KEY PLAN
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DATE	DRAWN	CHECKED
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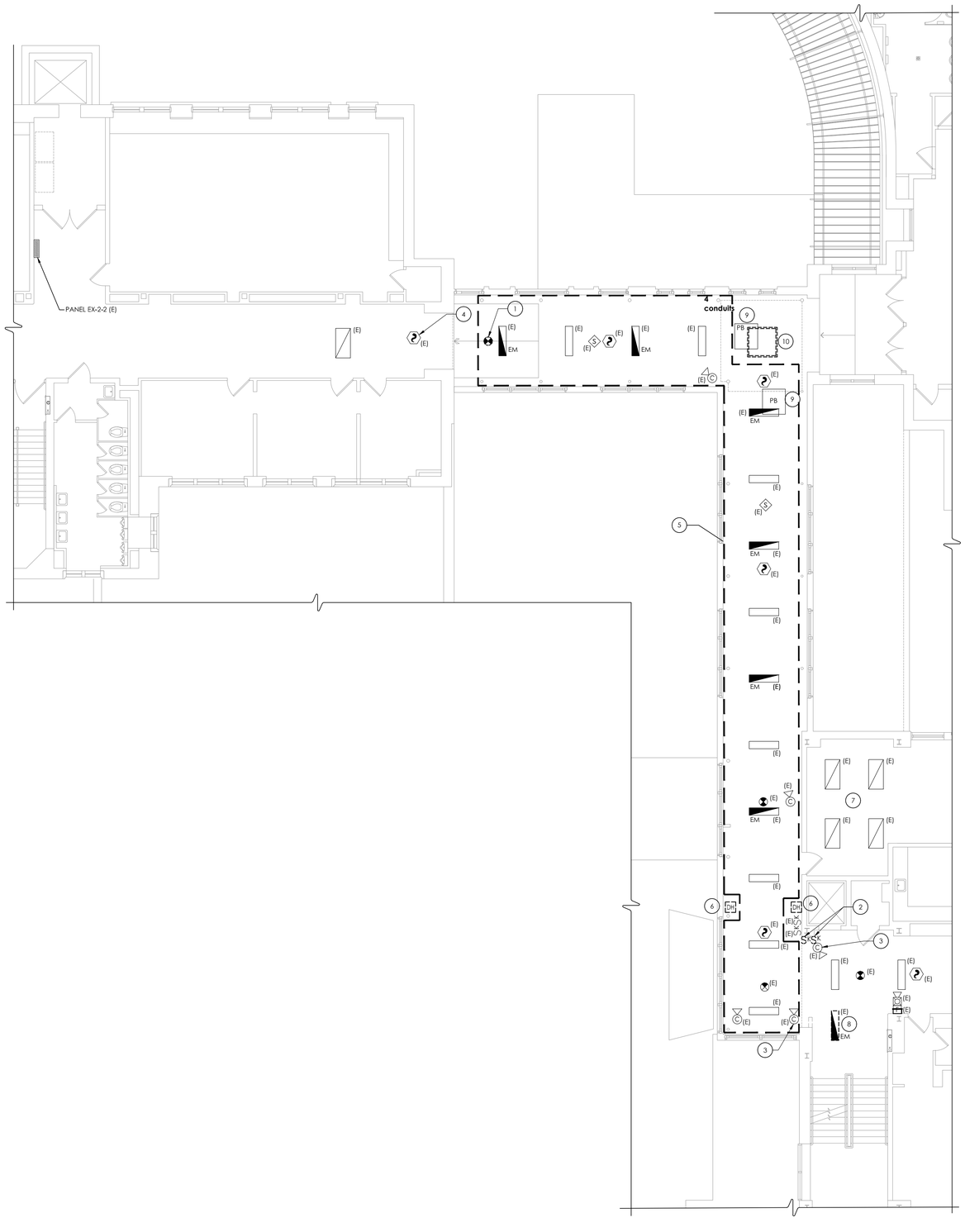
SCALE AS NOTED

SHEET TITLE
FIRST FLOOR
ELECTRICAL
DEMOLITION PLAN

PROJECT NUMBER
14428.13

OHS
E100
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ELEC\E1\OHS-E100.dwg
Date last accessed: 11/12/2021 3:21 PM
Date last plotted: 11/15/2021 9:22 AM
Plotted By: James Steicher



1 E101 SECOND FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "(E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.

C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.

D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

G. ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - (E). THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

1. DISCONNECT AND REMOVE EXIT SIGN. CONDUIT AND WIRING TO REMAIN FOR EXISTING CIRCUIT CONTINUITY.

2. DISCONNECT AND REMOVE LIGHT SWITCH AND BACKBOX. EXISTING WIRING TO BE REMOVED BACK TO ACCESSIBLE CEILING AREA AND TAGGED FOR EXTENSION AND CONNECTION TO REPLACEMENT DEVICE IN NEW LOCATION. REFER TO DRAWING OHS-E301.

3. DISCONNECT, REMOVE AND STORE EXISTING CEILING MOUNTED CAMERA FOR DURATION OF DOORWAY CONSTRUCTION. TAG EXISTING WIRING AND KEEP CLEAR OF CONSTRUCTION.

4. DISCONNECT , REMOVE AND STORE EXISTING SMOKE DETECTOR FOR REUSE. MAINTAIN WIRING AND TAG FOR REUSE . REFER TO DRAWING OHS-E201 FOR REINSTALLATION.

5. DISCONNECT, REMOVE AND STORE EXISTING LIGHTING FIXTURES, EXIT SIGNS, PA SYSTEM SPEAKERS, CAMERAS AND SMOKE DETECTORS, ETC. INSIDE DASHED LINED AREA TO ALLOW REMOVAL OF EXISTING CEILING, UNLESS OTHERWISE NOTED. MAINTAIN WIRING AND TAG FOR REUSE. REFER TO DRAWINGS OHS-E201 AND OHS-E301 FOR REINSTALLATION.

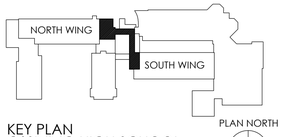
6. DISCONNECT AND REMOVED ABANDONED FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICES AT FLOOR AND REMOVE WIRING TO EXTEND POSSIBLE. PATCH FLOOR PENETRATION.

7. DISCONNECT AND REMOVE LIGHTING FIXTURES IN THIS ROOM TO ALLOW PARTIAL CEILING REMOVAL TO ACCOMMODATE HVAC WORK. MAINTAIN EXISTING LIGHTING BRANCH CIRCUITRY AND TAG FOR REUSE.

8. DISCONNECT AND REMOVE LIGHTING FIXTURE AND STORE FOR REINSTALLATION. MAINTAIN EXISTING BRANCH CIRCUIT FOR EXTENSION TO RELOCATED LIGHT FIXTURE.

9. TEMPORARILY REMOVE LARGE METAL PULLBOX FROM UNDERSIDE OF CONCRETE DECKING TO ALLOW REINFORCING OF DECK. REMOVE (4) THREADED RODS ATTACHMENTS TO DECKING. REMOVE AND/OR LOWER AS REQUIRED (4) INCOMING AND OUTGOING FEEDER CONDUITS WITH CONDUCTORS TO ALLOW FOR REMOVAL OF PULLBOX. COORDINATE ALL WORK WITH GC FOR REQUIRED ADEQUATE WORKING ROOM.

10. DISCONNECT AND REMOVE EXISTING RECESSED LIGHTING FIXTURE AND ASSOCIATED BRANCH CIRCUIT WIRING FROM ADJACENT FIXTURE EACH SIDE.



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DATE	DRAWN	CHECKED
3/12/2021	MAY	JAS

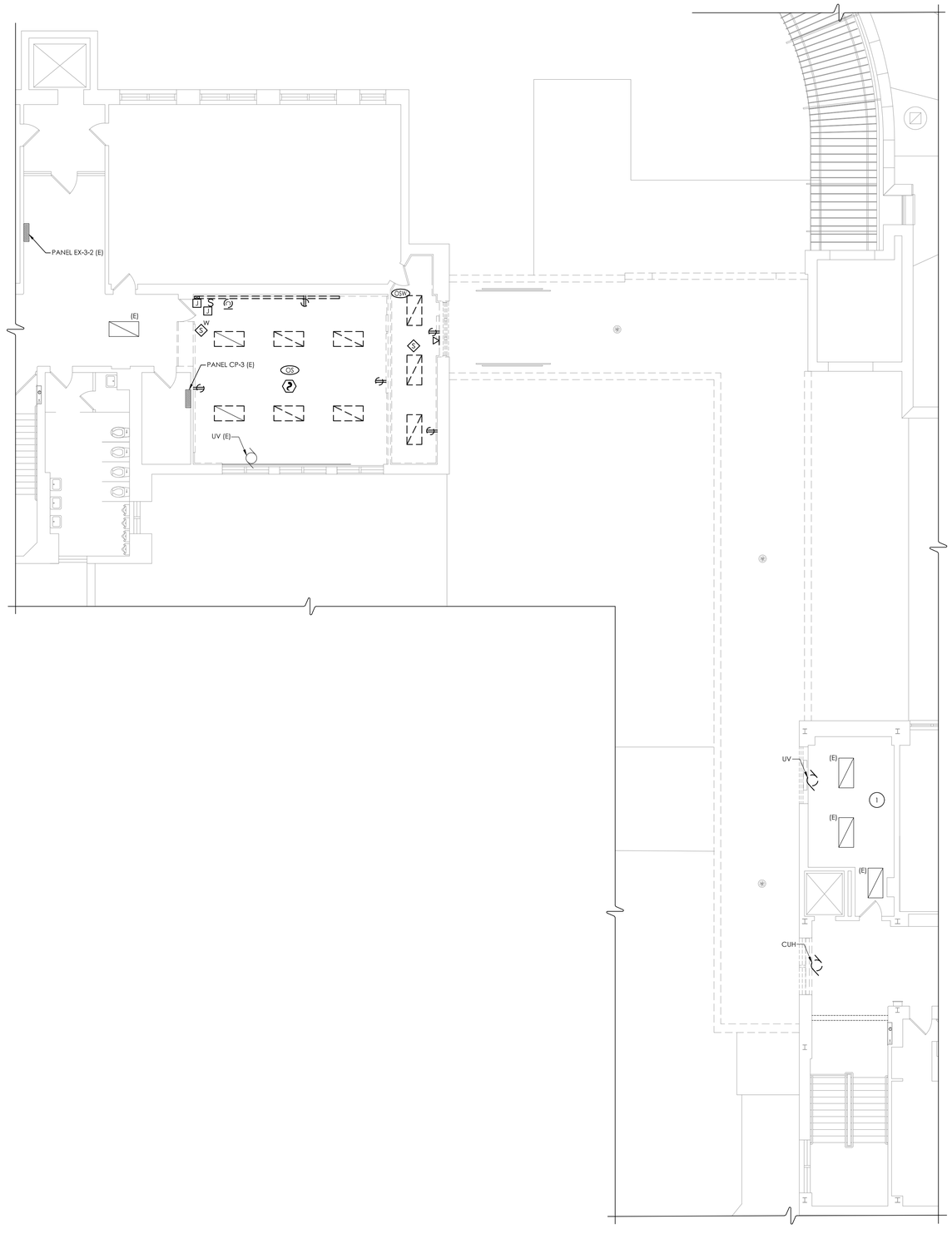
SCALE AS NOTED

SHEET TITLE
SECOND FLOOR
ELECTRICAL
DEMOLITION PLAN

PROJECT NUMBER
14428.13

OHS
E101
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ELEC\E1\OHS-E101.dwg Date last accessed: 11/15/2021 9:23 AM Date last plotted: 11/15/2021 9:24 AM Plotted By: James Sleicher



1 E102 THIRD FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "(E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.

C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.

D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

G. ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - (E). THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

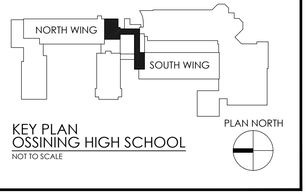
H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

1. DISCONNECT , REMOVE AND STORE EXISTING CEILING LIGHTING FIXTURE, AND CAMERA (UNLESS INDICATED TO BE DEMOLISHED) TO ALLOW FOR CEILING REPLACEMENT . TAG EXISTING WIRING FOR REUSE.



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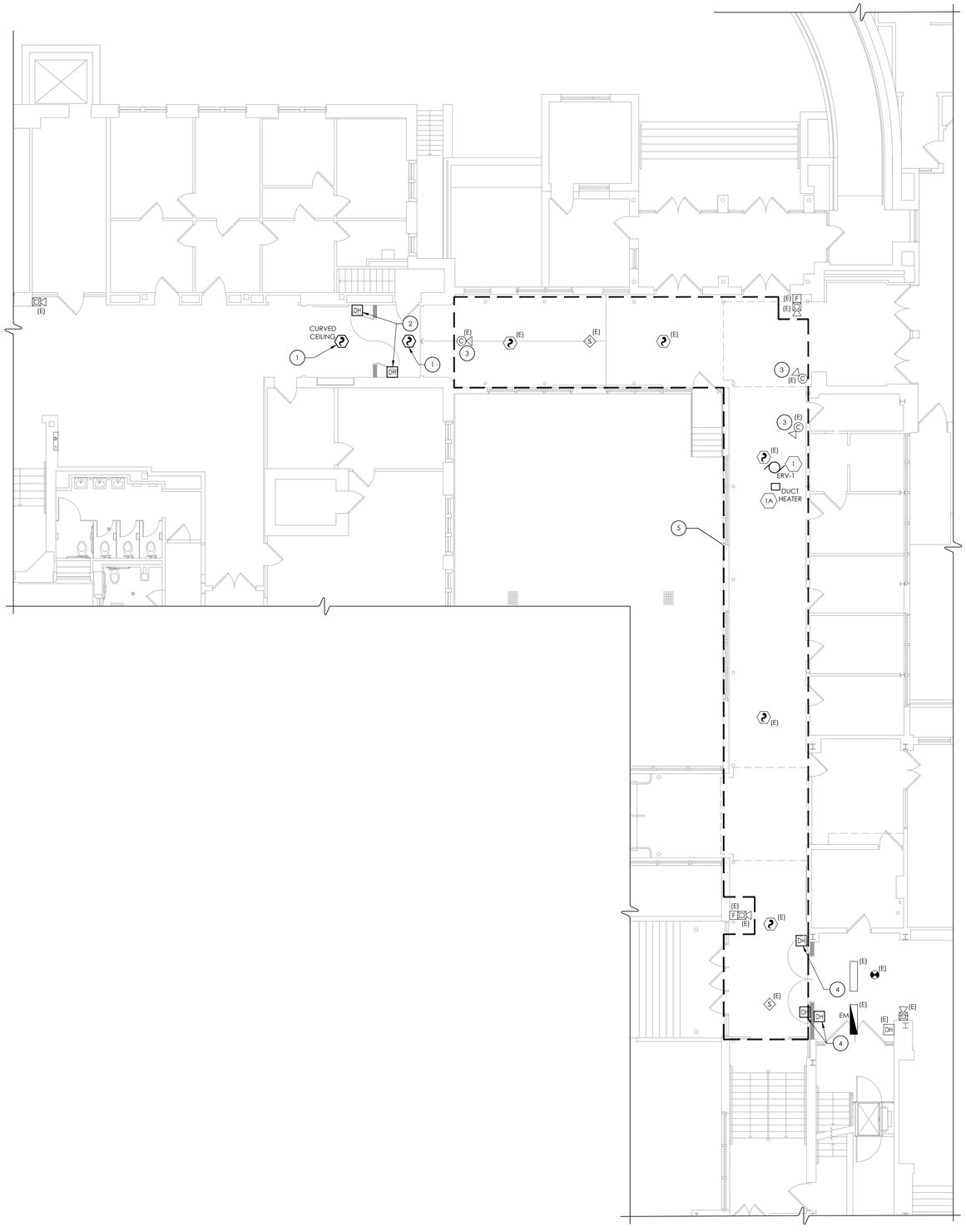
SCALE AS NOTED

SHEET TITLE
THIRD FLOOR
ELECTRICAL
DEMOLITION PLAN

PROJECT NUMBER
14428.13

OHS
E102
DRAWING NUMBER



1 E200 FIRST FLOOR POWER & SYSTEMS PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. INFORMATION ON DRAWING WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. AREAS WITHOUT NEW FIRE ALARM DEVICES ARE NOT PART OF PROJECT SCOPE AND HAVE BEEN FIELD VERIFIED AND DETERMINED TO MEET NEW YORK STATE SED REQUIREMENTS MANUAL PLANNING STANDARDS 2014 VERSION.

B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.

C. FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES ARE ALSO TO BE TESTED.

D. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-AIR AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5-0" SPACING.

E. INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR GRILLE.

F. FIRE ALARM CABLING RUN EXPOSED IN UNFINISHED AREAS SHALL BE INSTALLED IN EMT CONDUIT AND PAINTED TO MATCH EXISTING WALL/CEILING FINISH. HORIZONTAL RUNS THROUGH WALLS AND VERTICAL RUNS THROUGH FLOORS SHALL BE SLEEVED IN EMT CONDUIT AND FIRE CAULKED. ALL FIRE ALARM CABLING RUN EXPOSED IN FINISHED SPACES SHALL BE INSTALLED IN 500 SERIES STEEL WIREMOLD, IVORY IN COLOR.

G. MOUNT SMOKE DETECTORS WITHIN 5 FEET OF DOORS THAT CLOSE ON A FIRE ALARM ACTIVATION. REFER TO NFPA 72 FOR THE MINIMUM DISTANCE A SMOKE DETECTOR CAN BE FROM DOOR.

KEY NOTES:

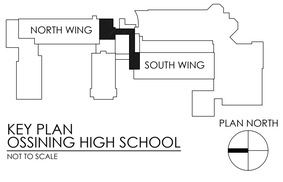
1. PROVIDE FIRE ALARM SMOKE DETECTOR AT LOCATION SHOWN. DETECTOR TO MATCH EXISTING SYSTEM (SIMPLEX 4100es). PROVIDE INITIATING CIRCUITRY FROM EACH DEVICE TO CONNECT TO EXISTING DETECTORS IN ADJACENT CORRIDOR(S). PROVIDE PROGRAMMING TO EXISTING FIRE ALARM PANEL TO ADD DEVICE(S).

2. PROVIDE FLOOR MOUNTED FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE. WORK INCLUDES FIRE ALARM CONNECTION AND CABLING TO NEAREST ANNUNCIATION CIRCUIT, MOUNTING OF FIRE ALARM DEVICE DOOR HOLD HARDWARE AND 120 VOLT POWER CONSISTING OF #12AWG BRANCH CIRCUIT WIRING IN RACEWAY FROM DEVICE UP TO SECOND FLOOR DEVICES.

3. REINSTALL EXISTING CAMERA AND RECONNECT TAGGED EXISTING CABLING. RE-AIM CAMERA TO SUIT OWNER'S VIEWING REQUIREMENTS. COORDINATE WITH OWNER.

4. PROVIDE FIRE ALARM MAGNETIC DOOR OPEN DEVICE. WORK INCLUDES FIRE ALARM CONNECTION AND CABLING TO NEAREST ANNUNCIATION CIRCUIT, MOUNTING OF FIRE ALARM DEVICE DOOR HARDWARE AND 120 VOLT POWER CONSISTING OF #12AWG BRANCH CIRCUIT WIRING IN RACEWAY ROUTED UP TO SECOND FLOOR DOOR HOLD OPEN DEVICES.

5. REINSTALL EXISTING PA SYSTEM SPEAKERS, CAMERAS AND SMOKE DETECTORS INSIDE DASHED LINED INTO REINSTALLED CEILING. RECONNECT TO EXISTING TAGGED WIRING.



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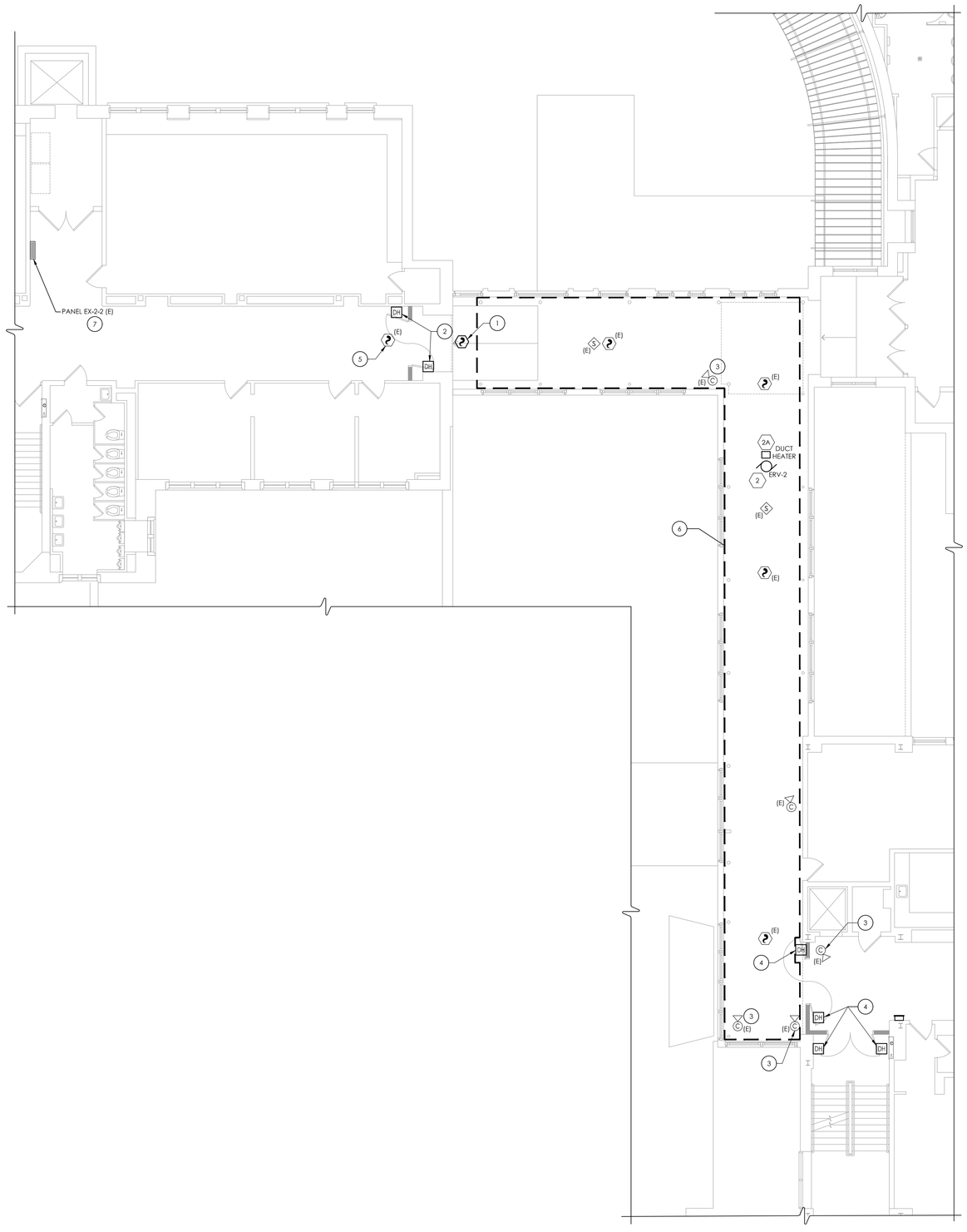
SCALE AS NOTED

SHEET TITLE
FIRST FLOOR
POWER AND SYSTEMS
PLAN

PROJECT NUMBER
14428.13

OHS
E200
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ELEC\E2\OHS-E200.dwg Date last accessed: 11/15/2021 9:16 AM Date last plotted: 11/15/2021 9:16 AM Plotted By: James Steicher



1 E201 SECOND FLOOR POWER & SYSTEMS PLAN

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

GENERAL NOTES:

A. INFORMATION ON DRAWING WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. AREAS WITHOUT NEW FIRE ALARM DEVICES ARE NOT PART OF PROJECT SCOPE AND HAVE BEEN FIELD VERIFIED AND DETERMINED TO MEET NEW YORK STATE SED REQUIREMENTS MANUAL PLANNING STANDARDS 2014 VERSION.

B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.

C. FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES ARE ALSO TO BE TESTED.

D. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-AIR AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5-0" SPACING.

E. INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR GRILLE.

F. FIRE ALARM CABLING RUN EXPOSED IN UNFINISHED AREAS SHALL BE INSTALLED IN EMT CONDUIT AND PAINTED TO MATCH EXISTING WALL/CEILING FINISH. HORIZONTAL RUNS THROUGH WALLS AND VERTICAL RUNS THROUGH FLOORS SHALL BE SLEEVED IN EMT CONDUIT AND FIRE CAULKED. ALL FIRE ALARM CABLING RUN EXPOSED IN FINISHED SPACES SHALL BE INSTALLED IN 500 SERIES STEEL WIREMOLD, IVORY IN COLOR.

G. MOUNT SMOKE DETECTORS WITHIN 5 FEET OF DOORS THAT CLOSE ON A FIRE ALARM ACTIVATION. REFER TO NFPA 72 FOR THE MINIMUM DISTANCE A SMOKE DETECTOR CAN BE FROM DOOR.

KEY NOTES:

1. PROVIDE FIRE ALARM SMOKE DETECTOR AT LOCATION SHOWN. DETECTOR TO MATCH EXISTING SYSTEM (SIMPLEX 4100es). PROVIDE INITIATING CIRCUITRY FROM EACH DEVICE TO CONNECT TO EXISTING DETECTORS IN ADJACENT CORRIDOR(S). PROVIDE PROGRAMMING TO EXISTING FIRE ALARM PANEL TO ADD DEVICE(S).

2. PROVIDE FLOOR MOUNTED FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE. WORK INCLUDES FIRE ALARM CONNECTION AND CABLING TO NEAREST ANNUNCIATION CIRCUIT, MOUNTING OF FIRE ALARM DEVICE DOOR HOLD HARDWARE AND 120 VOLT POWER CONSISTING OF #12AWG BRANCH CIRCUIT WIRING IN RACEWAY FROM DEVICE TO PANEL 3-2-A (CKT#16), 20 AMP, 1-POLE CIRCUIT BREAKER ON THIRD FLOOR.

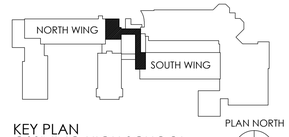
3. REINSTALL EXISTING CAMERA AND RECONNECT TAGGED EXISTING CABLING. RE-AIM CAMERA TO SUIT OWNER'S VIEWING REQUIREMENTS, COORDINATE WITH OWNER.

4. PROVIDE FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE. WORK INCLUDES FIRE ALARM CONNECTION AND CABLING, MOUNTING OF FIRE ALARM DEVICE DOOR HOLD HARDWARE AND WIRE BACK TO PROVIDED NEW DEVICES AT OTHER END OF CONNECTING CORRIDOR. PROVIDE 120 VOLT POWER CONSISTING OF #12AWG BRANCH CIRCUIT WIRING IN RACEWAY AND FIRE ALARM CIRCUITRY IN RACEWAY TO COMPLETE INSTALLATION.

5. REINSTALL EXISTING SMOKE DETECTOR FROM STORAGE. RECONNECT TO EXISTING TAGGED WIRING.

6. REINSTALL EXISTING PA SYSTEM SPEAKERS, CAMERAS AND SMOKE DETECTORS INSIDE DASHED LINED INTO REPLACEMENT CEILING. RECONNECT TO EXISTING TAGGED WIRING.

7. UTILIZE (5) EXISTING 20 AMP, 1-POLE 120 VOLT CIRCUIT BREAKERS (SERVING ERV-1, ERV-1 DUCT HEATER, ERV-2, ERV-2 DUCT HEATER AND MAGNETIC DOOR HOLD OPEN DEVICES) INSTALLED WITHIN EXISTING PANELBOARD. UPDATE EXISTING PANELBOARD SCHEDULE WITH A REPLACEMENT TYPED WRITTEN FOR PROVIDED LOADS.



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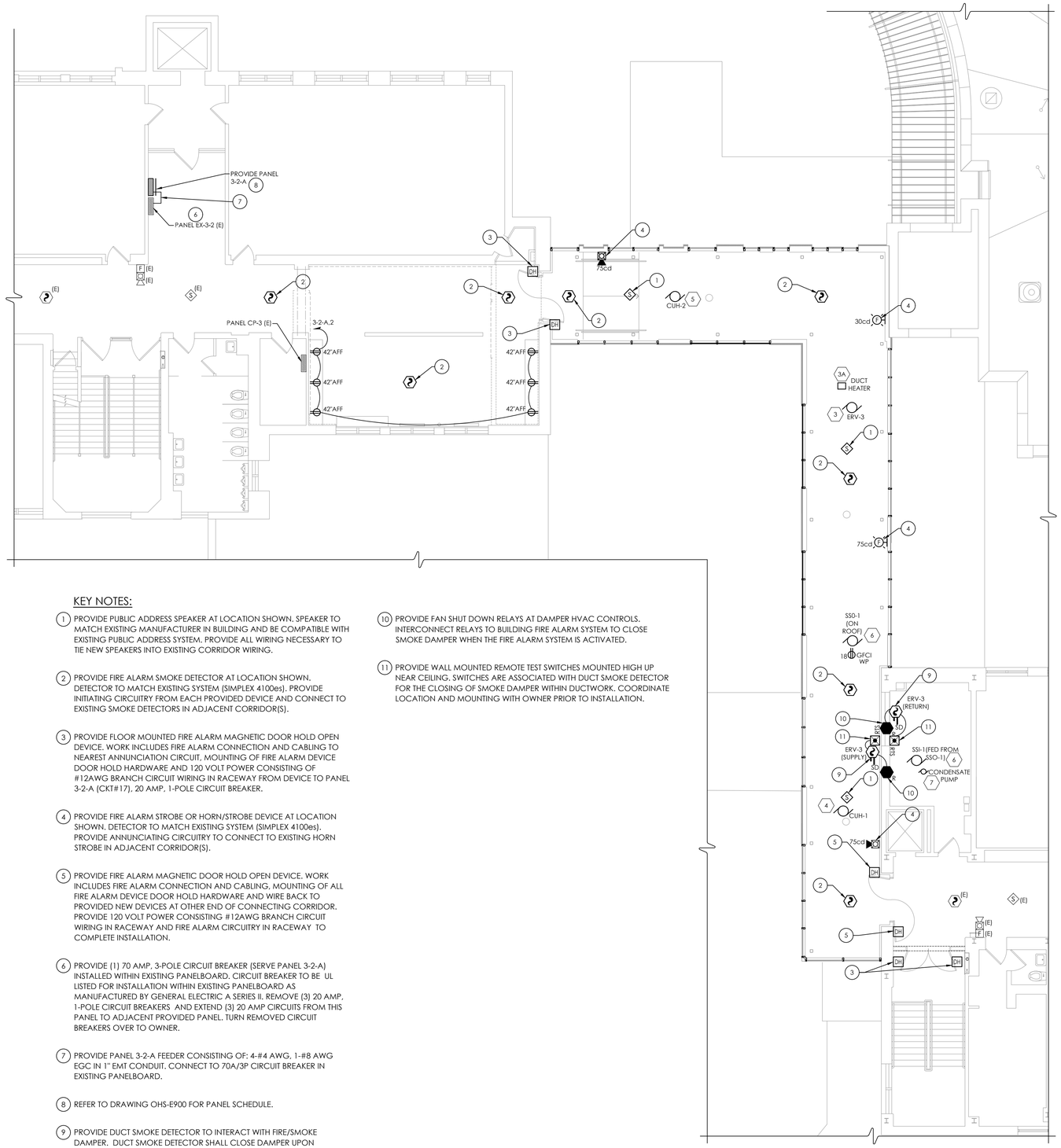
SHEET TITLE
SECOND FLOOR POWER AND SYSTEMS PLAN

PROJECT NUMBER
14428.13

OHS
E201
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ELEC\E2\OHS-E201.dwg Date last accessed: 11/15/2021 9:18 AM Date last plotted: 11/15/2021 9:18 AM Plotted By: James Sleicher



1 E202 THIRD FLOOR POWER AND SYSTEMS PLAN
SCALE: 1/8" = 1'-0"

KEY NOTES:

1. PROVIDE PUBLIC ADDRESS SPEAKER AT LOCATION SHOWN. SPEAKER TO MATCH EXISTING MANUFACTURER IN BUILDING AND BE COMPATIBLE WITH EXISTING PUBLIC ADDRESS SYSTEM. PROVIDE ALL WIRING NECESSARY TO TIE NEW SPEAKERS INTO EXISTING CORRIDOR WIRING.
2. PROVIDE FIRE ALARM SMOKE DETECTOR AT LOCATION SHOWN. DETECTOR TO MATCH EXISTING SYSTEM (SIMPLEX 4100es). PROVIDE INITIATING CIRCUITRY FROM EACH PROVIDED DEVICE AND CONNECT TO EXISTING SMOKE DETECTORS IN ADJACENT CORRIDOR(S).
3. PROVIDE FLOOR MOUNTED FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE. WORK INCLUDES FIRE ALARM CONNECTION AND CABLING TO NEAREST ANNUNCIATION CIRCUIT, MOUNTING OF FIRE ALARM DEVICE DOOR HOLD HARDWARE AND 120 VOLT POWER CONSISTING OF #12AWG BRANCH CIRCUIT WIRING IN RACEWAY FROM DEVICE TO PANEL 3-2-A (CKT#17), 20 AMP, 1-POLE CIRCUIT BREAKER.
4. PROVIDE FIRE ALARM STROBE OR HORN/STROBE DEVICE AT LOCATION SHOWN. DETECTOR TO MATCH EXISTING SYSTEM (SIMPLEX 4100es). PROVIDE ANNUNCIATING CIRCUITRY TO CONNECT TO EXISTING HORN STROBE IN ADJACENT CORRIDOR(S).
5. PROVIDE FIRE ALARM MAGNETIC DOOR HOLD OPEN DEVICE. WORK INCLUDES FIRE ALARM CONNECTION AND CABLING. MOUNTING OF ALL FIRE ALARM DEVICE DOOR HOLD HARDWARE AND WIRE BACK TO PROVIDED NEW DEVICES AT OTHER END OF CONNECTING CORRIDOR. PROVIDE 120 VOLT POWER CONSISTING #12AWG BRANCH CIRCUIT WIRING IN RACEWAY AND FIRE ALARM CIRCUITRY IN RACEWAY TO COMPLETE INSTALLATION.
6. PROVIDE (1) 70 AMP, 3-POLE CIRCUIT BREAKER (SERVE PANEL 3-2-A) INSTALLED WITHIN EXISTING PANELBOARD. CIRCUIT BREAKER TO BE UL LISTED FOR INSTALLATION WITHIN EXISTING PANELBOARD AS MANUFACTURED BY GENERAL ELECTRIC A SERIES II. REMOVE (3) 20 AMP, 1-POLE CIRCUIT BREAKERS AND EXTEND (3) 20 AMP CIRCUITS FROM THIS PANEL TO ADJACENT PROVIDED PANEL. TURN REMOVED CIRCUIT BREAKERS OVER TO OWNER.
7. PROVIDE PANEL 3-2-A FEEDER CONSISTING OF: 4-#4 AWG, 1-#8 AWG EGC IN 1" EMT CONDUIT. CONNECT TO 70A/3P CIRCUIT BREAKER IN EXISTING PANELBOARD.
8. REFER TO DRAWING OHS-E900 FOR PANEL SCHEDULE.
9. PROVIDE DUCT SMOKE DETECTOR TO INTERACT WITH FIRE/SMOKE DAMPER. DUCT SMOKE DETECTOR SHALL CLOSE DAMPER UPON ACTIVATION. PROVIDE INITIATING CIRCUITRY FROM EACH PROVIDED DEVICE AND CONNECT TO EXISTING SMOKE DETECTORS IN ADJACENT CORRIDOR(S)
10. PROVIDE FAN SHUT DOWN RELAYS AT DAMPER HVAC CONTROLS. INTERCONNECT RELAYS TO BUILDING FIRE ALARM SYSTEM TO CLOSE SMOKE DAMPER WHEN THE FIRE ALARM SYSTEM IS ACTIVATED.
11. PROVIDE WALL MOUNTED REMOTE TEST SWITCHES MOUNTED HIGH UP NEAR CEILING. SWITCHES ARE ASSOCIATED WITH DUCT SMOKE DETECTOR FOR THE CLOSING OF SMOKE DAMPER WITHIN DUCTWORK. COORDINATE LOCATION AND MOUNTING WITH OWNER PRIOR TO INSTALLATION.

GENERAL NOTES:

A. AT EACH (X) SYMBOL INDICATES, REFER TO ELECTRICAL EQUIPMENT WIRING SCHEDULE ON DRAWING OHS-E900.

B. INFORMATION ON DRAWING WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. AREAS WITHOUT NEW FIRE ALARM DEVICES ARE NOT PART OF PROJECT SCOPE AND HAVE BEEN FIELD VERIFIED AND DETERMINED TO MEET NEW YORK STATE SED REQUIREMENTS MANUAL PLANNING STANDARDS 2014 VERSION.

C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.

D. FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES ARE ALSO TO BE TESTED.

E. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-AIR AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5-0" SPACING.

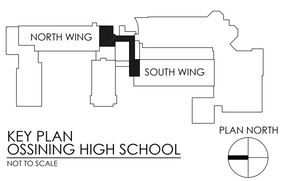
F. THE CONTRACTOR SHALL PROVIDE NEW NOTIFICATION APPLIANCE (NAC) PANEL ON EACH FLOOR TO ACCOMMODATE NEW NOTIFICATION DEVICES. PANELS SHALL BE LOCATED IN ACCESSIBLE CLOSET SPACE ON ASSOCIATED FLOOR. COORDINATE EXACT PANEL LOCATION WITH OWNER PRIOR TO INSTALLATION. SERVE NEW NAC PANEL FROM NEAREST AVAILABLE 120VAC PANELBOARD SOURCE WITH (2) #12, #12 G IN 1/2" EMT CONDUIT. CIRCUIT LENGTHS EXCEEDING 100' SHALL BE WITH #10 AWG. PROVIDE 20/1 CIRCUIT BREAKER IN AVAILABLE PANEL SPACE AND ASSOCIATED "BREAKER ON" LOCK. NEW CIRCUIT BREAKER SHALL BE U.L. LISTED AND MATCH EXISTING PANEL INTERRUPTING RATING.

G. INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR GRILLE.

H. FIRE ALARM CABLING RUN EXPOSED IN UNFINISHED AREAS SHALL BE INSTALLED IN EMT CONDUIT AND PAINTED TO MATCH EXISTING WALL/CEILING FINISH. HORIZONTAL RUNS THROUGH WALLS AND VERTICAL RUNS THROUGH FLOORS SHALL BE SLEEVED IN EMT CONDUIT AND FIRE CAULKED. ALL FIRE ALARM CABLING RUN EXPOSED IN FINISHED SPACES SHALL BE INSTALLED IN 500 SERIES STEEL WIREMOLD, IVORY IN COLOR.

I. MOUNT SMOKE DETECTORS WITHIN 5 FEET OF DOORS THAT CLOSE ON A FIRE ALARM ACTIVATION. REFER TO NFPA 72 FOR THE MINIMUM DISTANCE A SMOKE DETECTOR CAN BE FROM DOOR.

J. FOR PUBLIC MODE, WALL MOUNTED VISUALS OR AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR. REFER TO NFPA 72 FOR CEILING MOUNTED VISUALS. REFER TO NFPA FOR SPACING OF STROBES. WHERE CEILING HEIGHTS ALLOW, WALL MOUNTED AUDIBLE ONLY APPLIANCES SHALL HAVE THEIR TOPS ABOVE FINISHED FLOOR AT HEIGHTS OF NOT LESS THAN 90".



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THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

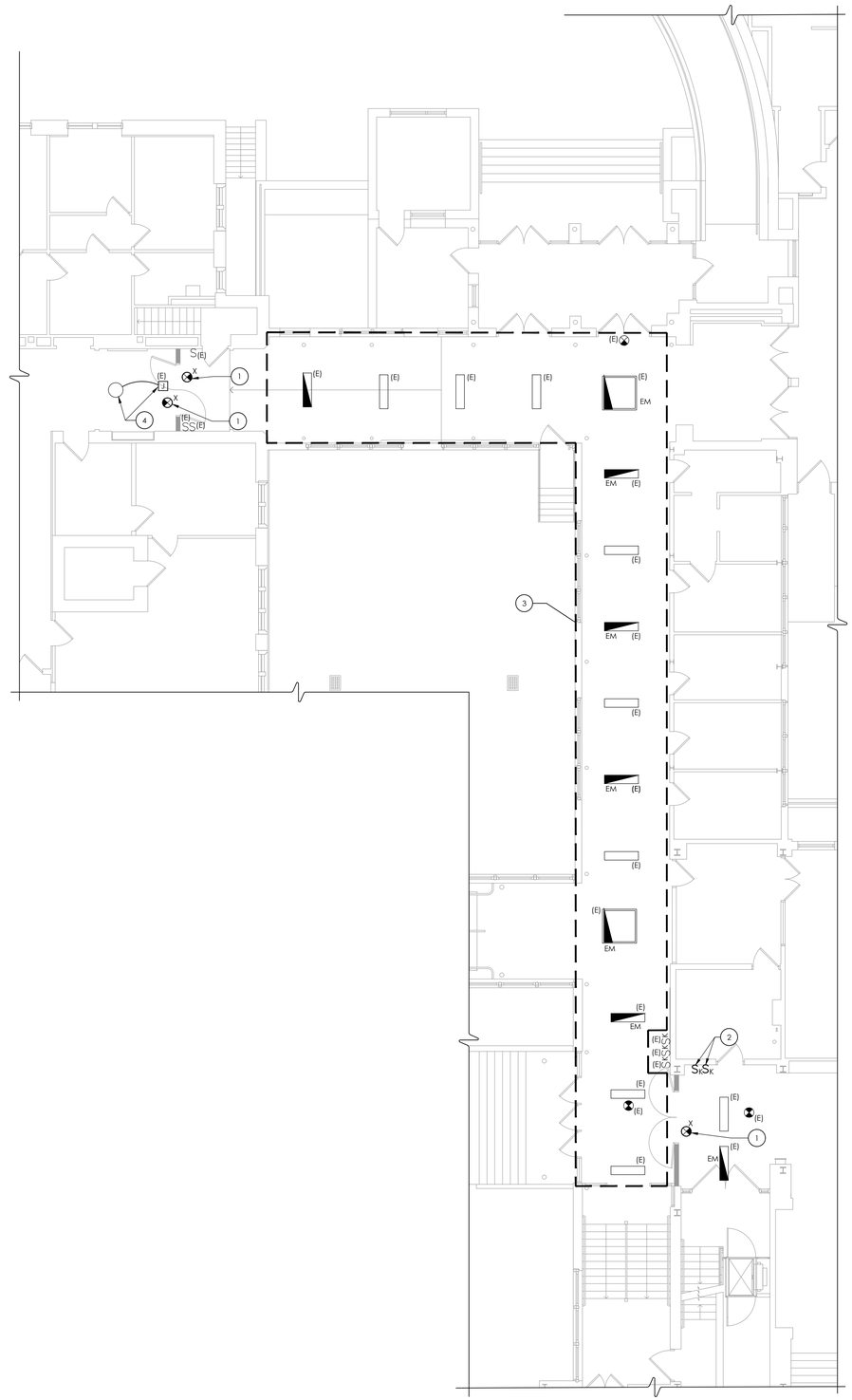
DATE	DRAWN	CHECKED
3/12/2021	MAY	JAS

SCALE AS NOTED

SHEET TITLE
THIRD FLOOR
POWER AND SYSTEMS
PLAN

PROJECT NUMBER
14428.13

OHS
E202
DRAWING NUMBER



1 E300 FIRST FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

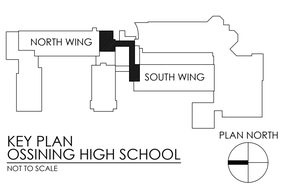
GENERAL NOTES:

A. FIXTURE TYPE MARK IS INDICATED ADJACENT TO NEW LIGHT FIXTURES. REFER TO LUMINAIRE SCHEDULE ON SHEET OHS-E900 FOR FIXTURE DESCRIPTIONS, NOTES, AND SPECIFICATIONS.

B. FIXTURES INDICATED WITH (E) ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

KEY NOTES:

1. PROVIDE EXIT SIGN AND CONNECT TO EACH RESPECTIVE SIDE OF CORRIDOR UNSWITCHED LIGHTING BRANCH CIRCUIT, TYPICAL UNLESS OTHERWISE NOTED.
2. PROVIDE REPLACEMENT LIGHTING KEYED SWITCHES (VERIFY IN FIELD 2-WAY OR 3-WAY) AT THIS LOCATION. EXTEND AND CONNECT EACH EXISTING CORRIDOR LIGHTING BRANCH CIRCUIT SWITCH LEG CIRCUITS PREVIOUSLY TAGGED.
3. REINSTALL EXISTING LIGHTING FIXTURES AND EXIT SIGNS INSIDE DASHED LINED AREA INTO REINSTALLED CEILING. RECONNECT TO EXISTING TAGGED WIRING.
4. REINSTALL EXISTING PENDANT LIGHTING FIXTURE AT THIS LOCATION. PROVIDE #12/2 MC CABLE TO CONNECT TO EXISTING LIGHTING BRANCH CIRCUIT CONCEALED ABOVE CEILING.



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DATE	DRAWN	CHECKED
3/12/2021	MAY	JAS

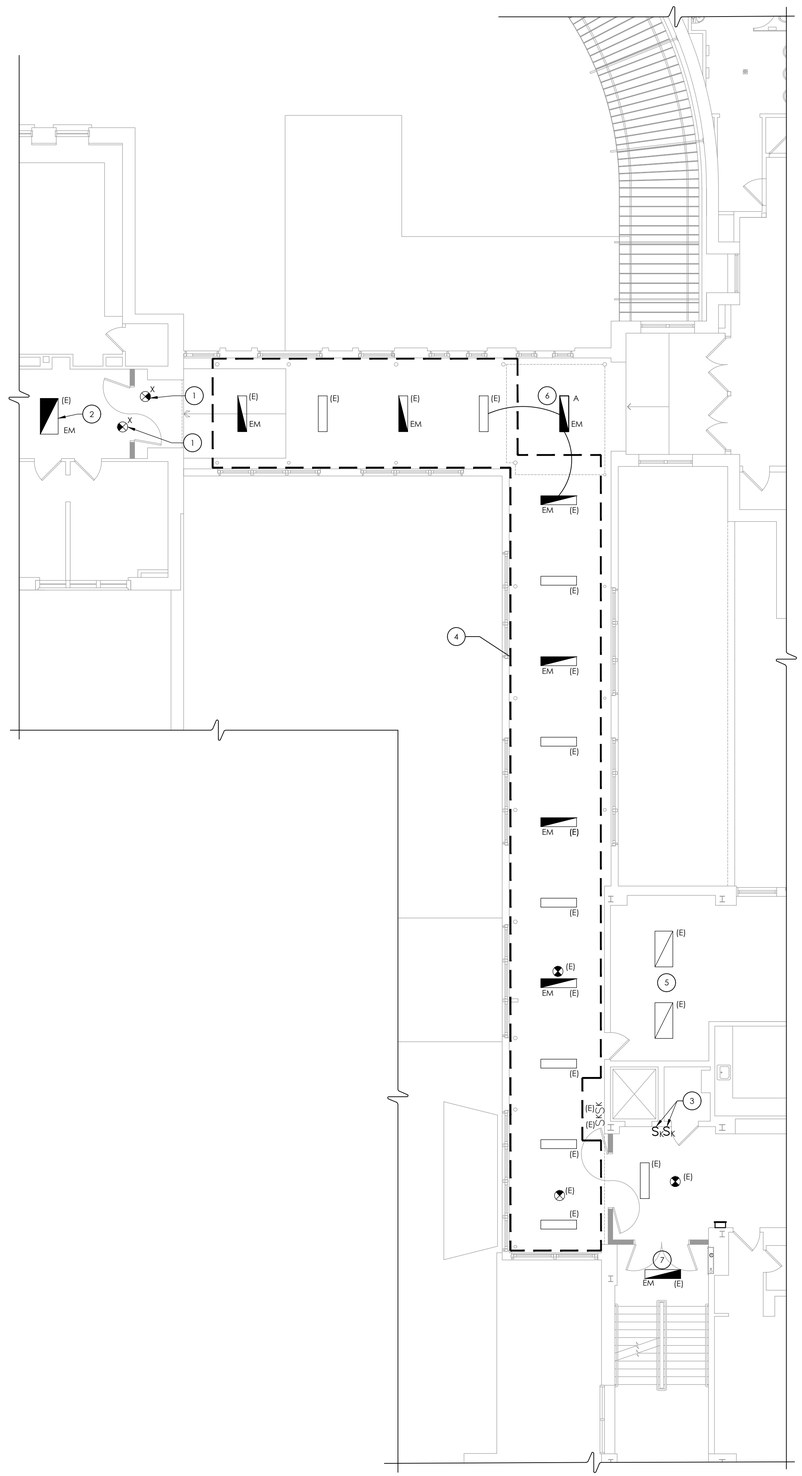
SCALE AS NOTED

SHEET TITLE
FIRST FLOOR
LIGHTING PLAN

PROJECT NUMBER
14428.13

OHS
E300
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ELEC\E3\OHS-E300.dwg
Date last accessed: 11/15/2021 9:02 AM
Date last plotted: 11/15/2021 9:12 AM
Plotted By: James Steicher



1 E301 SECOND FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"

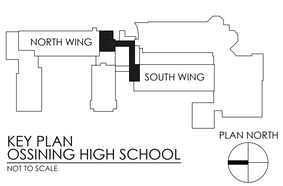
GENERAL NOTES:

A. FIXTURE TYPE MARK IS INDICATED ADJACENT TO NEW LIGHT FIXTURES. REFER TO LUMINAIRE SCHEDULE ON SHEET OHS-E900 FOR FIXTURE DESCRIPTIONS, NOTES, AND SPECIFICATIONS.

B. FIXTURES INDICATED WITH (E) ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

KEY NOTES:

1. PROVIDE EXIT SIGN AND CONNECT TO EACH RESPECTIVE SIDE OF CORRIDOR UNSWITCHED LIGHTING BRANCH CIRCUIT, TYPICAL UNLESS OTHERWISE NOTED.
2. PROVIDE (1) BODINE BSL LED SERIES OR EQUAL 90 MINUTE EMERGENCY BATTERY DRIVER CONNECTED TO LINE SIDE OF FIXTURE POWER FOR THIS FIXTURE ONLY. PROVIDE UNSWITCHED HOT WIRE TO DRIVER FROM CORRIDOR LIGHTING CIRCUIT FOR CHARGING. INSTALL DRIVER INTO OR ADJACENT TO EXISTING FIXTURE.
3. PROVIDE REPLACEMENT LIGHTING KEYED SWITCHES (VERIFY IN FIELD 2-WAY OR 3-WAY) AT THIS LOCATION. EXTEND AND CONNECT EACH EXISTING CORRIDOR LIGHTING BRANCH CIRCUIT SWITCH LEG CIRCUITS PREVIOUSLY TAGGED WIRING.
4. REINSTALL EXISTING LIGHTING FIXTURES AND EXIT SIGNS INSIDE DASHED LINED AREA INTO REPLACEMENT CEILING. RECONNECT TO EXISTING TAGGED WIRING.
5. REINSTALL EXISTING LIGHTING FIXTURES AND CONNECT TO EXISTING TAGGED LIGHTING BRANCH CIRCUITRY.
6. PROVIDE LIGHT FIXTURE AND #12/2 MC CABLE TO CONNECT TO ADJACENT SWITCHED LIGHTING BRANCH CIRCUITRY.
7. REINSTALL STORED SURFACE MOUNTED LIGHTING FIXTURE IN THIS LOCATION. EXTEND EXISTING BRANCH CIRCUIT FROM EXISTING LOCAITON AND CONNECT TO RESINTALLED FIXTURE.



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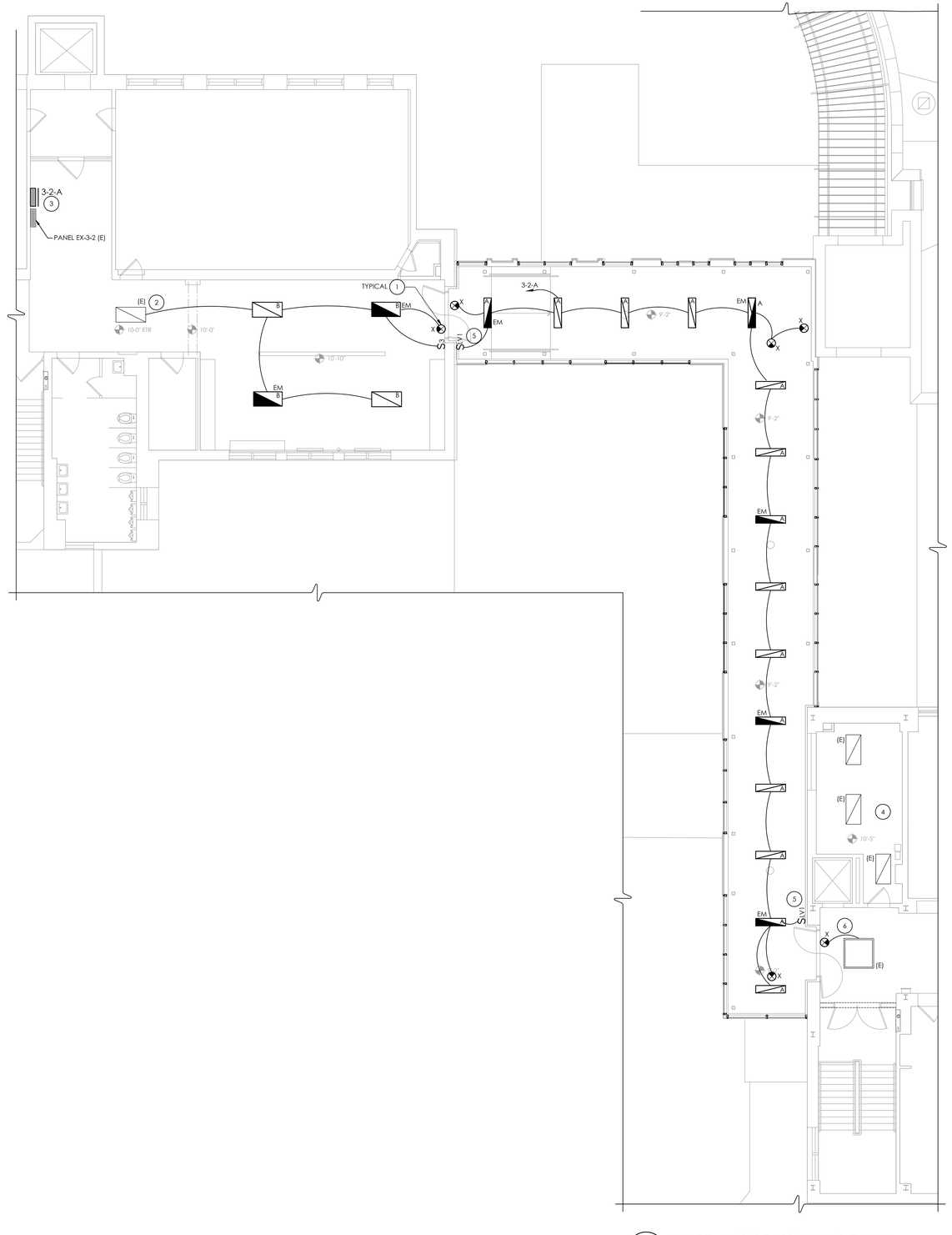
SCALE AS NOTED

SHEET TITLE
SECOND FLOOR
LIGHTING PLAN

PROJECT NUMBER
14428.13

OHS
E301
DRAWING NUMBER

Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Flr Connector\D Design\06 CAD\AutoCAD\ELEC\E3\OHS-E301.dwg Date last accessed: 11/15/2021 8:59 AM Date last plotted: 11/15/2021 9:01 AM Plotted By: James Steicher



GENERAL NOTES:

A. FIXTURE TYPE MARK IS INDICATED ADJACENT TO NEW LIGHT FIXTURES. REFER TO LUMINAIRE SCHEDULE ON SHEET OHS-E900 FOR FIXTURE DESCRIPTIONS, NOTES, AND SPECIFICATIONS.

B. FIXTURES INDICATED WITH (E) ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

C. INSTALL LOW VOLTAGE SWITCHING WITH PROTECTIVE CLEAR LOCKABLE COVER AS SHOWN. PROVIDE ALL LOW-VOLTAGE WIRING BETWEEN SWITCHES AND LUMINAIRES.

D. PROVIDE ANY ADDITIONAL POWER SUPPLIES OR OTHER MISCELLANEOUS COMPONENTS REQUIRED FOR A COMPLETE OPERATIONAL LIGHTING SYSTEM TO MEET INTENT OF LIGHTING SEQUENCE OF OPERATION AS SHOWN.

E. ALL FIXTURES INDICATED WITH "EM" DESIGNATION SHALL HAVE EMERGENCY BATTERY BACKUP OR HAVE EXISTING EMERGENCY BATTERY BACK UP AS NOTED WITH (E).

F. PROVIDE #10 THHN FOR ANY CIRCUITS OVER 100'.

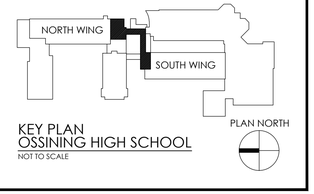
G. AT NEWLY DESIGNATED "EM" LIGHTING FIXTURES, PROVIDE RED ADHESIVE 1" ROUND CIRCLE TO PLACE ON LIGHTING FIXTURE FRAME TO INDICATE FIXTURE IS EMERGENCY LIGHT TO MATCH EXISTING IN OTHER PARTS OF BUILDING.

H. PROVIDE MINIMUM #12 AWG THHN FOR CIRCUITS UNDER 100'.

KEY NOTES:

1. PROVIDE EXIT SIGN AND CONNECT TO CORRIDOR UNSWITCHED LIGHTING BRANCH CIRCUIT, TYPICAL UNLESS OTHERWISE NOTED.
2. CONNECT TO EXISTING CORRIDOR LIGHTING FIXTURE SWITCHED BRANCH CIRCUITRY. PROVIDE #12/2 MC CABLE TO COMPLETE INSTALLATION.
3. REFER TO PANEL SCHEDULE ON DRAWING OHS-E900.
4. REINSTALL EXISTING RECESSED LIGHTING FIXTURES AT LOCATIONS SHOWN. RECONNECT TO TAGGED EXISTING WIRING.
5. PROVIDE ALL NEW LOW-VOLTAGE WIRING BETWEEN NEW SWITCHING AND NEW LIGHT FIXTURES. REFER TO SPECIFICATION SECTION 260923 FOR FURTHER INFORMATION.
6. PROVIDE #12/2 MC CABLE TO CONNECT EXIT SIGN TO CORRIDOR UNSWITCHED LIGHTING BRANCH CIRCUITRY.

1 E302 THIRD FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"



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DATE	DRAWN	CHECKED
3/12/2021	MAY	JAS

SCALE AS NOTED

SHEET TITLE
THIRD FLOOR
LIGHTING PLAN

PROJECT NUMBER
14428.13

OHS
E302
DRAWING NUMBER

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	DESIGN MAKE	MODEL #	VOLTS	LAMP			REMARKS
					LUMENS	WATTS	COLOR TEMP	
A	1X4 RECESSED VOLUMETRIC LED FIXTURE WITH OCCUPANCY/DAYLIGHT DIMMING SENSOR	LITHONIA LIGHTING	BLT4- - -40L-ADSM- -EZ1-LP835-N80-NESPDT7ADCX	MVOLT	3000	26	3500K, 80 CRI	-
A/EM	1X4 RECESSED VOLUMETRIC LED FIXTURE WITH OCC/DAYLIGHT DIMMING SENSOR AND 90 MIN. EMERGENCY BATTERY BACKUP	LITHONIA LIGHTING	BLT4- - -40L-ADSM- -EZ1-LP835-N80-NESPDT7ADCX-EL14L	MVOLT	3000	26	3500K, 80 CRI	2,3
B	2X4 RECESSED INDIRECT LED NON-DIMMING FIXTURE	LITHONIA LIGHTING	2BLT4- - -40L-ADSM- -EZ1-LP835-N80-NESPDT7ADCX	MVOLT	4200	31	3500K, 80 CRI	-
B/EM	2X4 RECESSED INDIRECT LED FIXTURE NON-DIMMING WITH 90 MIN. EMERGENCY BATTERY BACKUP	LITHONIA LIGHTING	2BLT4- - -40L-ADSM- -EZ1-LP835-N80-NESPDT7ADCX-EL14L	MVOLT	4200	31	3500K, 80 CRI	-
X	EXIT SIGN	LITHONIA LIGHTING	LQMSW-X-R-MVOLT-EL N-SD	MVOLT	-	,71	-	2,3

REMARKS:

1. FIXTURE TO BE PENDANT MOUNTED TO EXISTING GYP BOARD CURVED CEILING.
2. ALL FIXTURES SHOWN WITH AN "EM" DESIGNATION INDICATES EMERGENCY LIGHTING FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP FOR EACH FIXTURE INDICATED.
3. ALL EMERGENCY FIXTURES "EM" SHALL HAVE 90-MINUTE BATTERY CAPACITY AND HAVE INTEGRAL TEST SWITCH.

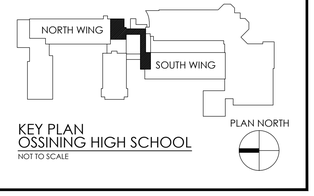
ELECTRICAL EQUIPMENT WIRING SCHEDULE

ITEM NUMBER	EQUIPMENT	ROOM NUMBER	HP/ FLA	VOLTS	PHASE	AMPS	BREAKER SIZE/ FUSE SIZE	WIRE/CONDUIT SIZE	PANEL/CCT	REMARKS
1	ERV-1	1ST FLR CONNECTOR	-	120	1	10A	20A/1P	(2) #12, #12G IN 3/4"C	3-2-A / 3	1
1A	ERV-1 DUCT HEATER	1ST FLR CONNECTOR	-	120	1	13.8A	20A/1P	(2) #12, #12G IN 3/4"C	3-2-A / 4	1
2	ERV-2	2ND FLR CONNECTOR	-	120	1	10A	20A/1P	(2) #12, #12G IN 3/4"C	3-2-A / 5	1
2A	ERV-2 DUCT HEATER	2ND FLR CONNECTOR	-	120	1	13.8A	20A/1P	(2) #12, #12G IN 3/4"C	3-2-A / 6	1
3	ERV-3	3RD FLR CONNECTOR	-	120	1	10A	20A/1P	(2) #12, #12G IN 3/4"C	3-2-A / 7	1
3A	ERV-3 DUCT HEATER	3RD FLR CONNECTOR	-	120	1	13.8A	20A/1P	(2) #12, #12G IN 3/4"C	3-2-A / 8	1
4	CUH-1	3RD FLR CONNECTOR	-	120	1	2.2A	15A/1P	(2) #12, #12G IN 3/4"C	3-2-A / 9	1
5	CUH-2	3RD FLR CONNECTOR	-	120	1	2.2A	15A/1P	(2) #12, #12G IN 3/4"C	3-2-A / 10	1
6	SSO-1/SSI-1	3RD FLR CLASSROOM	-	208	2	5.2A	15A/2P	(2) #12, #12G IN 3/4"C	3-2-A / 11,13	2
7	FC-1 CONDENSATE PUMP	3RD FLR CLASSROOM	-	120	1	6A	20A/1P	(2) #12, #12G IN 3/4"C	3-2-A / 10	3

PANEL: 3-2-A

LOCATION:	CORRIDOR THIRD FLOOR	**EQUIPMENT SHORT CIRCUIT RATING:**	10KAIC
VOLTAGE:	120/208V	**MAX AVAIL SHORT CIRCUIT CURRENT:**	X
FED FROM:	EX 3-2 (E)	**MAIN CIRCUIT BREAKER:**	MAIN LUG ONLY
MOUNTING:	SURFACE	**MAIN BUS:**	100A

	LOCATION	P	AMP	LOAD-KVA AØ	LOAD-KVA BØ	LOAD-KVA CØ		LOAD-KVA AØ	LOAD-KVA BØ	LOAD-KVA CØ	AMP	P	LOCATION	
1	LIGHTING 3RD FLR CONNECTOR	1	20	0.55				1.08			20	1	RECEPTACLES	2
3	ERV-1 1ST FLR CONNECTOR	1	20		1.2				1.66		20	1	ERV-1 DUCT HEATER	4
5	ERV-2 2ND FLR CONNECTOR	1	20			1.2				1.66	20	1	ERV-2 DUCT HEATER	6
7	ERV-3 3RD FLR CONNECTOR	1	20	1.2				1.66			20	1	ERV-3 DUCT HEATER	8
9	CUH-1 3RD FLR CONNECTOR	1	15		0.26				0.26		15	1	CUH-2 3RD FLR CONNECTOR	10
11	ACCU1/FC-1	2	15			1.08				-	20	1	EXISTING LOAD FROM EX 3-2 (E)	12
13				1.08				-			20	1	EXISTING LOAD FROM EX 3-2 (E)	14
15	EXISTING LOAD FROM EX 3-2 (E)	1	20		-				-		20	1	MAGNETIC DOOR HOLD OPEN DEVICES	16
17	MAGNETIC DOOR HOLD OPEN DEVICES	1	20			-				0.18	20	1	SSO-1 GFCI RECEPTACLE ROOF	18
19	SPARE	1	20								20	1	SPARE	20
21	SPARE	1	20								20	1	SPARE	22
23	SPARE	1	20								20	1	SPARE	24
	TOTAL LOAD			2.83	1.46	2.28		2.74	1.92	1.84				



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3/12/2021	MAY	JAS

SCALE AS SHOWN

SHEET TITLE
ELECTRICAL SCHEDULES

PROJECT NUMBER
14428.13

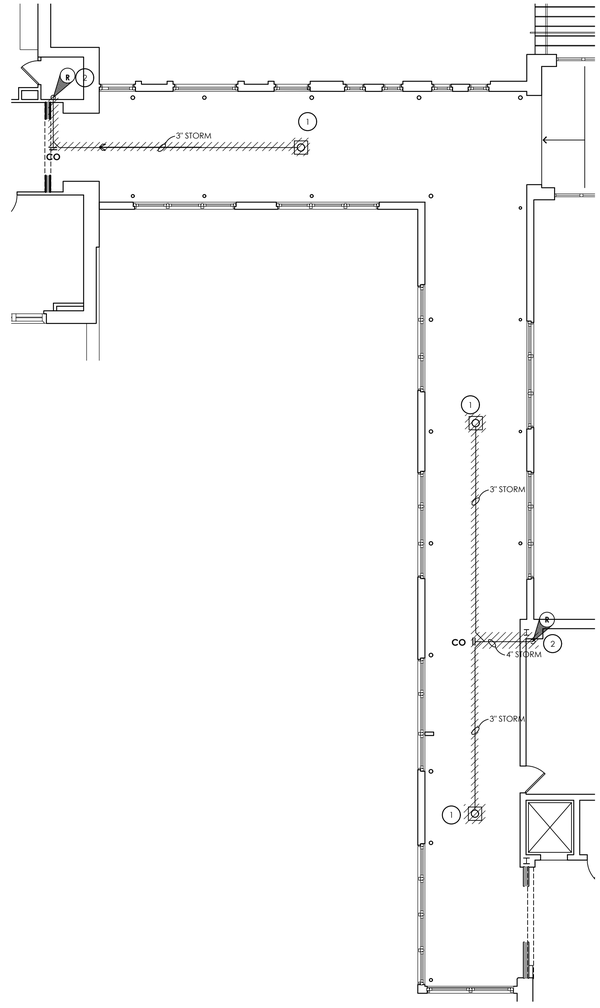
OHS
E900
DRAWING NUMBER

PIPING LEGEND

XX	PIPING BELOW GRADE
XX	EXISTING PIPING
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RECIRCULATING
SAN	SANITARY SEWER
ST	STORM
LPG	PROPANE GAS
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FP	FIRE PROTECTION/SPRINKLER
V	VENT
	PLUMBING TO BE REMOVED
WH-A	WATER HEATER ZONE ONE
WH-B	WATER HEATER ZONE TWO
EXP	EXPANSION
ETR	EXISTING TO REMAIN

FIXTURES & FITTINGS LEGEND

	TEE OUTLET - UP	CO	CLEAN OUT
	TEE OUTLET - DOWN	FCO	FLOOR CLEAN OUT
	CONNECTION - TOP	WCO	WALL CLEAN OUT
	ELBOW - TURNED UP	HB	HOSE BIBB
	ELBOW - TURNED DOWN	NFHB	NON FREEZE HOSE BIBB
	PIPE CAP	FD	FLOOR DRAIN
	UNION	FS	FLOW SWITCH
	FLANGE	PS	PRESSURE SWITCH
	BALL VALVE	AQ	AQUASTAT
	BALANCING VALVE		PRESSURE GAUGE
	CHECK VALVE		THERMOMETER
	BUTTERFLY VALVE		STRAINER
	PLUG VALVE		INLINE PUMP
P	PRESSURE RELIEF VALVE	A	WATER HAMMER ARRESTER
TP	TEMPERATURE-PRESSURE RELIEF VALVE	RPZ	REDUCED PRESSURE ZONE BACK FLOW PREVENTER
	PRESSURE REDUCING VALVE	DCV	DOUBLE CHECK VALVE ASSEMBLY
	COMBO ISOLATION, CHECK, BALANCE		SPRINKLER HEAD
	GAS PRESSURE REGULATOR	P	POINT OF CONNECTION
		R	POINT OF REMOVAL

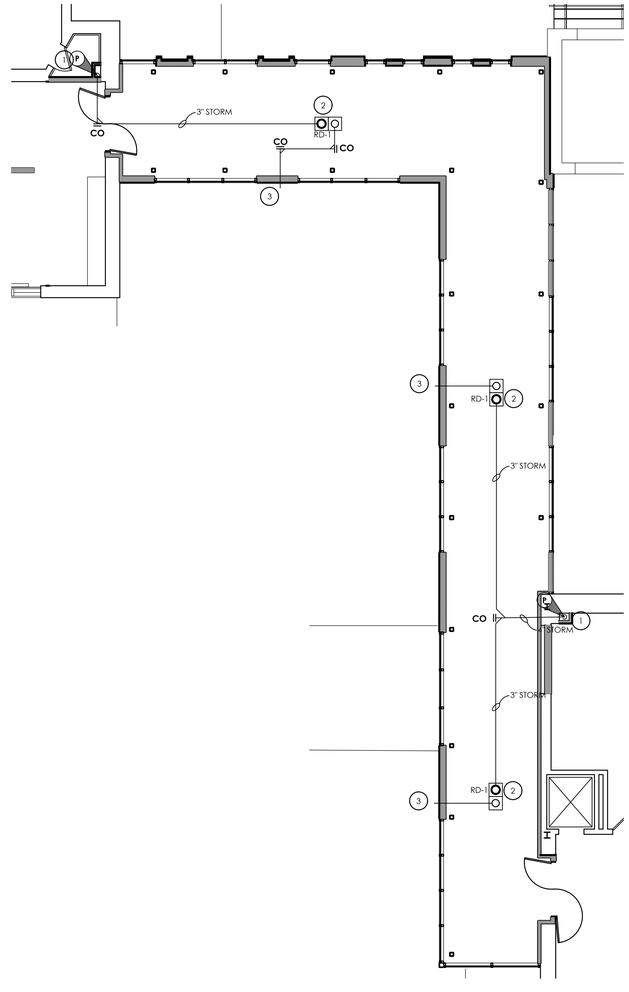


1 P203 2ND FLOOR HALLWAY DEMO PLAN

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

KEY DEMO NOTES:

1. REMOVE EXISTING ROOF DRAIN. REMOVE ALL ASSOCAITED PIPING AND HANGINGS BACK TO POINTS INDICATED. PATCH HOLES, COORDINATE WITH ARCHITECTURAL.
2. REMOVE PIPING TO RISER. PREPARE RISER FOR EXTENSION TO 3RD FLOOR.

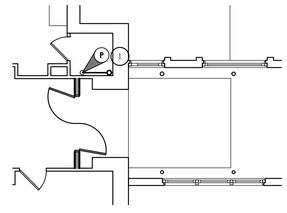


2 P203 3RD FLOOR HALLWAY NEW WORK PLAN

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

KEY NOTES:

1. PROVIDE NEW RISER. EXTEND EXISTING STORM RISER FROM 2ND FLOOR TO 3RD FLOOR. PROVIDE WITH NEW CHASE BY GC. COORDINATE WITH ARCHITECTURAL PLANS.
2. PROVIDE NEW ROOF DRAIN. INSULATE FIRST 15' OF STORM DRAIN PIPING.
3. PROVIDE NEW OVERFLOW DRAIN.. PROVIDE WITH LINE SIZE LAMBS TONG AND BIRDSCREEN. SEE DETAIL 4/P203.



3 P203 2ND FLOOR HALLWAY NEW WORK PLAN (NORTH WING)

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

KEY NOTES:

1. CONNECT STORM PIPING TO EXISTING STORM MAIN.

4 P203 SECONDARY DRAIN DETAIL

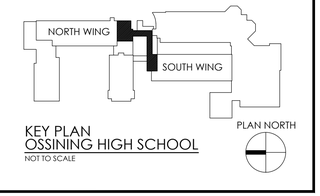
NOT TO SCALE

PLUMBING EQUIPMENT & FIXTURE SCHEDULE

MARK	FIXTURE	CW	HW	ST	V	GAS	DESCRIPTION	REMARKS
RD-1	ROOF DRAIN	-	-	3	-	-	ROOF DRAIN, 12" DIA DOME WITH ADJUSTABLE COLLAR, SUMP RECEIVER, UNDER DECK CLAMP WITH PRIMARY SECONDARY DRAIN	1

REMARKS

1. SIZED PER PLAN.



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SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NRH	AJS

SCALE AS NOTED

SHEET TITLE
PLUMBING DEMO & NEW WORK PLANS

PROJECT NUMBER
14428.13

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DRAWING NUMBER