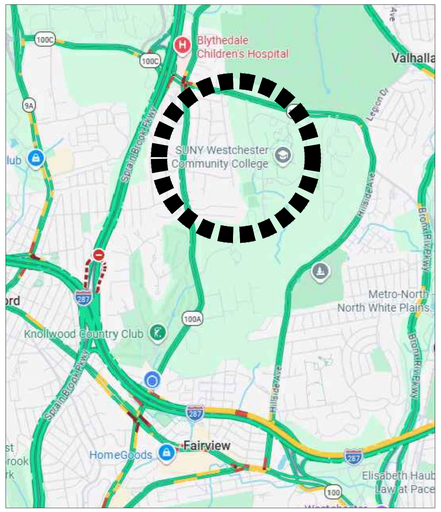
WESTCHESTER COMMUNITY COLLEGE

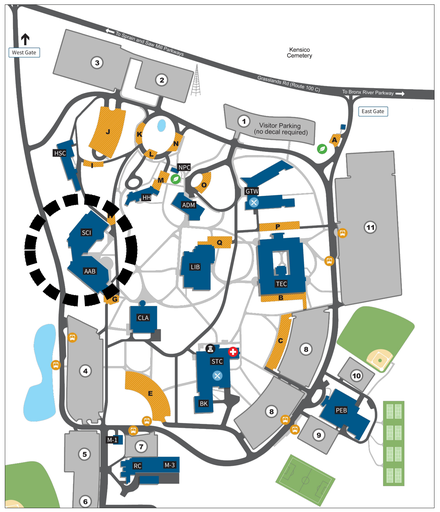
SCIENCE BUILDING INFRASTRUCTURE UPGRADE

PHASE 1

75 GRASSLANDS ROAD, VALHALLA, NY 10595

CONSTRUCTION CONTRACT No. WCC-26-962







FULLER D'ANGELO P.C.

ARCHITECTS PLANNERS

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REGISTERED ARCHITECT JOSEPH FRANCIS FULLER No. 023442 STATE OF NEW YORK

LICENSE EXP. DATE: 03-31-2028

CONSULTANTS:

MECHANICAL, PLUMBING AND ELECTRICAL:

COLLADO

445 HAMILTON AVE., SUITE 608
WHITE PLAINS, NY 10601
TEL: (914) 332-7658
EMAIL: info@collado-eng.com

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUED FOR 95% CD

SHEET SIZE 30"x42"	DRAWING NO. T-1
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 9:53am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-T-1.dwg

ABBREVIATIONS

& – AND
A/G – ALUMINUM & GLAZING
ACU – AIR CONDITIONING UNIT (S)
ACM – ASBESTOS CONTAINING MATERIAL
ACT – ACOUSTICAL CEILING TILE
ACW – ASBESTOS CONTAINING WASTE
AD – ACCESS DOOR
ADJ – ADJACENT
AFF – ABOVE FINISH FLOOR
AHU – AIR HANDLER UNIT
ALUM – ALUMINUM
ALT – ALTERNATE
AMB – AMBIENT
AMP – AMPERE
APD – AIR PRESSURE DROP
APPROX – APPROXIMATE
ARCH – ARCHITECTURAL
AVG – AVERAGE
BDD – BACK DRAFT DAMPER
BFW – BOILER FEED WATER
BHP – BRAKE HORSE POWER
BITUM – BITUMINOUS
BLDG – BUILDING
BLK – BLOCK
B.O.P. – BOTTOM OF PLANK
B.O.S. – BOTTOM OF SLAB
BTUH – BRITISH THERMAL UNITS/HOUR
BU – BUILT UP
BUR – BUILT UP ROOFING
C – COMMON
CV – COEFFICIENT, VALVE FLOW
CB – CATCH BASIN
C.C – COOLING COIL
CEIL/CLG – CEILING
CER/CEG – CEILING EXHAUST REGISTER/ GRILLE
CFM – CUBIC FEET PER MINUTE
C.H. – CEILING HEIGHT
CHWR – CHILLED WATER RETURN
CHWS – CHILLED WATER SUPPLY
C.J. – CONTROL JOINT
CL – CENTER LINE
CLG WTR – COOLING WATER
CLOS – CLOSET
CMU – CONCRETE MASONRY UNIT
CMP – CORRUGATED METAL PIPE
C.O – CLEAN OUT
COL – COLUMN
COMPR – COMPRESSOR
CONC – CONCRETE
COND – CONDENSER
CONST – CONSTRUCTION
CONT – CONTINUOUS
CONTR – CONTRACTOR
CONV – CONVECTOR
CP – CONDENSATE PUMP
CRR/CRG – CEILING RETURN REGISTER/ GRILLE
CRT – CARPET
CRP – CARPET
CRU – COMPUTER ROOM UNIT
CSD – CEILING SUPPLY DIFFUSER
CT – CERAMIC TILE
CTB – CERAMIC TILE BASE
C.TWR. – COOLING TOWER
CU – CONDENSER UNIT
CU FT – CUBIC FEET
CUH – CABINET UNIT HEATER
CWR – CONDENSER WATER RETURN
CWS – CONDENSER WATER SUPPLY
D/DIA – DIAMETER
DB – DRY BULB TEMPERATURE
dB – DECIBEL
DC – DUST COLLECTOR
DEG – DEGREE
DEMO – DEMOLITION
D.F. – DRINKING FOUNTAIN
D.H. – DOUBLE HUNG
DIM – DIMENSION
DN – DOWN
D.O – REPEAT/DOOR OPENING
DP – DEEP
DR – DOOR
DWG – DRAWING
DX – DIRECT EXPANSION
E – EAST
EA – EACH
EAT – ENTERING AIR TEMPERATURE
E–CONTR. – ELECTRICAL CONTRACTOR
EDB – ENTERING DRY BULB
EDR – EQUIVALENT DIRECT RADIATION
EER – EMERGENCY ESCAPE AND RESCUE
E.F – EXHAUST FAN
EFT – EFFICIENCY
E.J – EXPANSION JOINT
EQ – EQUAL
ELEC – ELECTRICAL
EL/ELEV – ELEVATION
E.M.H. – ELEMENTARY SCHOOL MOUNTING HEIGHT
ENCL. – ENCLOSURE – ENTRANCE
EQUIP – EQUIPMENT
ESP – EXTERNAL STATIC PRESSURE
ETC – AND SO FORTH
EVAP – EVAPORATOR
EWB – ENTERING WET BULB
EWT – ENTERING WATER TEMPERATURE
EX – EXPOSED
EXH – EXHAUST
EXH.A – EXHAUST AIR
EXIST – EXISTING
EXP – EXPOSED CONSTRUCTION.
EXT – EXTERIOR
F – FAHRENHEIT
F.A.I – FRESH AIR INTAKE
FB – FIRE BLANKET
FCU – FAN COIL UNIT
F.D. – FLOOR DRAIN
F.DAMP. – FIRE DAMPER
F.E. – FIRE EXTINGUISHER
F.E.–1 – FIRE EXTINGUISHER – SURF. MT.
F.E.–2 – FIRE EXTINGUISHER – RECCESSED
F.G. – FIBER GLASS
FIN – FINISH
FIXT – FIXTURE
FHC – FIRE HOSE CABINET
FL/FLR – FLOOR
FTG – FOOTING
FOB – FLAT ON BOTTOM
FOG – FUEL OIL GAUGE
FOR – FUEL OIL RETURN
FOS – FUEL OIL SUPPLY
FOT – FLAT ON TOP
F.P. – FIRE PROOF
FPM – FEET PER MINUTE
FPS – FEET PER SECOND
FRP – FIBERGLASS REINFORCED POLYSTYRENE
FT – FOOT OR FEET
GA – GAUGE
GAL – GALLONS
GALV – GALVANIZED
G.C – GENERAL CONSTRUCTION
GEN – GENERAL
GL – GLASS
GPH – GALLONS PER HOUR
GPM – GALLONS PER MINUTE
GR – GRAINS
G.T. – GLAZED WALL TILE
G.V. – GAS VALVE
GYP. BD. – GYPSUM BOARD
GYP. FB. – GYPSUM FIBERBOARD
H – HEIGHT
H.B. – HOSE BIB
H–CONTR – HEATING, VENTING, AND AIR CONDITIONING CONTRACTOR
H.C – HOLLOW CORE
H/C – HEATING/COOLING
HD – HEAD
HEAT.CL – HEATING COIL
HG – REFRIGERANT HOT GAS
H.M – HOLLOW METAL
HORIZ – HORIZONTAL
H.P – HIGH POINT
HPS – HIGH PRESSURE STEAM
H.PWR – HORSE POWER
HR – HOUR (S)
HT – HEAT
HTHW – HIGH TEMPERATURE HOT WATER
HTR – HEATER
HV – HEATING/VENTILATION UNIT
H.W.C – HIGH IMPACT WALL COVERING
HWR – HOT WATER RETURN
HWS – HOT WATER SUPPLY
HX – HEAT EXCHANGER –
HZ – FREQUENCY(CYCLES PER MINUTE)
ID – INSIDE DIAMETER –
IEF – IN–LINE EXHAUST FAN
INT – INTERIOR
INSUL – INSULATION
INV – INVERT
IN – INCH
J.C – JANITOR'S CLOSET
JT – JOINT
J.B – JUNCTION BOX
KIT – KITCHEN
KW – KILOWATT
K.M.H. – KINDERGARTEN MOUNTING HEIGHT
L – LENGTH
LAT – LEAVING AIR TEMPERATURE
LAM – LAMINATE
LAV – LAVATORY
LBS/# – POUNDS
L.C.C – LEAD COATED COPPER
LDR – LEADER
LF – LINEAR FEET
LIQ – LIQUID
LL – LIVE LOAD
LP – LOW POINT
LPS – LOW PRESSURE STEAM
LRG – LINEAR RETURN GRILLE
LSD – LINEAR SUPPLY DIFFUSER
LWT – LEAVING WATER TEMPERATURE
M – MIRROR
MAX – MAXIMUM
MAT – MATERIAL
MBH – BTU PER HOUR (THOUSAND)
MD – MOTORIZED DAMPER
MECH – MECHANICAL
MFR – MANUFACTURER
MIN – MINIMUM
MKBD – MARKER BOARD
MISC – MISCELLANEOUS
MO – MASONRY OPENING
MPS – MEDIUM PRESSURE STEAM
MS – MARBLE SADDLE
MH – MAN HOLE
MTD – MOUNTED
MTL – METAL
N – NORTH
N/A – NOT APPLICABLE
NC – NORMALLY CLOSED
N.I.C – NOT IN CONTRACT
NO(S) – NUMBER(S)
N.OPEN – NORMALLY OPEN
N.T.S – NOT TO SCALE
OA – OUTSIDE AIR
OC – ON CENTER
OD – OUTSIDE DIAMETER
ODR – OPEN DUCT RETURN
OF – OUTSIDE FACE
O.H. – OPPOSITE HAND
OH – OVERHEAD
OPNG – OPENING
OPP – OPPOSITE
OZ – OUNCE
P – PUMP(IN–LINE OR BASE MOUNTED)
PART – PARTIAL
P–CONTRL– PLUMBING CONTRACTOR
PB – PANEL BOX
PD – PRESSURE DROP
PH – PENTHOUSE
PL – PLASTIC LAMINATE
PLT – PLATE
PLUMB – PLUMBING
PLYWOOD – PLYWOOD
PNL – PANEL
PNT – PAINT
PREFAB – PREFABRICATED
PRESS – PRESSURE
PSI – POUNDS PER SQUARE INCH
PT – PRESSURE TREATED
QT – QUARRY TILE
QTY – QUANTITY
R – RISER/RADIUS
RA – RETURN AIR
RAD – RADIATION
RBT – RUBBER TILE
RD – ROOF DRAIN
REF – ROOF EXHAUST FAN
REINF – REINFORCED
REQ'D – REQUIRED
RH – RELATIVE HUMIDITY
RO – ROUGH OPENING
RM – ROOM
RMF – REVOLUTIONS PER MINUTE
RTU – ROOF TOP UNIT
S – SINK
SA – SUPPLY AIR
SAN – SANITARY
SCHED – SCHEDULE
SD – SMOKE DETECTOR
S.DMPR – SMOKE DAMPER
SECT – SECTION
SF – SQUARE FOOT
SHT – SHEET
SIM – SIMILIAR
SP – STATIC PRESSURE
SPEC(S) – SPECIFICATION (S)
SQ – SQUARE
SQ. FT – SQUARE FEET
SS – STAINLESS STEEL
STD – STANDARD
STL – STEEL
STM – STEAM
STOR – STORAGE
STRUCT – STRUCTURAL
SUCT – SUCTION
SUSP – SUSPENDED
T – TREAD/TOILET
TCP – TEMPERATURE CONTROL PANEL
T.D. – TRENCH DRAIN
T.DIFF. – TEMPERATURE DIFFERENCE
TEL – TELEPHONE
TEMP – TEMPERED
TEMPR. – TEMPERATURE
THK – THICK
TKBD – TACK BOARD
T.O. – TRIMMED OPENING
T.O.C. – TOP OF CURB
T.O.M.D. – TOP OF METAL DECK
T.O.P. – TOP OF PARAPET
T.O.S. – TOP OF STEEL
TSP – TOTAL STATIC PRESSURE
T'STAT – THERMOSTAT
TYP. – TYPICAL
U – URINAL
UH – UNIT HEATER
UL – UNDERWRITERS LABORATORY
UNFIN – UNFINISHED
UV – UNIT VENTILATOR
V – VOLT
VAV – VARIABLE AIR VOLUME
V.C.T – VINYL COMPOSITION TILE
VD – VOLUME DAMPER
VEL – VELOCITY
VEST – VESTIBULE
V.I.F – VERIFY IN FIELD
VLV – VALVE
VOL – VOLUME
V.P. – VISION PANEL
V.W.C. – VINYL WALL COVERING
W – WOMEN/WIDTH/WASHER
W/ – WITH
WB – WET BULB
W.C. – WATER CLOSET
WD – WOOD
WEF – WALL EXHAUST FAN
WER/WEG – WALL EXHAUST REGISTER/GRILLE
"WG" – INCHES OF WATER, GAGE (PRESSURE)
W.G. – WIRE GLASS
WK – WORK
W.I. – WROUGHT IRON
W.P. – WATER PROOF
WPD – WATER PRESSURE DROP
W.R. – WATER RESISTANT
WRR/WRG – WALL RETURN REGISTER/GRILLE
WSR/WSG – WALL SUPPLY REGISTER/GRILLE
WTG – WALL TRANSFER GRILLE
WTR – WATER
W.W.F. – WELDED WIRE FABRIC
W.W.M. – WELDED WIRE MESH
YD – YARD DRAIN

GENERAL NOTES

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING:

1. ALL ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE TYPICAL. MASONRY REPAIR WORK AS DEPICTED IS SHOWN APPROXIMATE AND IS FOR INFORMATION ONLY. DO NOT SCALE THE CONTRACT DRAWINGS.

2. ANY FIELD CONDITION THAT VARIES FROM A CONDITION SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT (I.E. DISCREPANCIES, OMISSIONS OR AMBIGUITIES) BY THE PROSPECTIVE BIDDER SO THAT THE APPROPRIATE CLARIFICATION CAN BE ISSUED DURING THE BID PERIOD. IN THE EVENT DISCREPANCIES, OMISSIONS OR AMBIGUITIES IN THE CONTRACT DOCUMENTS ARE NOT CLARIFIED, THE CONTRACTOR(S) SHALL COMPENSATE SAME IN THE WORK SCOPE, USING THE NECESSARY OR BETTER QUALITY MATERIAL OR METHOD OF WORK AND WILL INCLUDE IN HIS BID PROPOSAL, ALL COSTS FOR SAME.

3. EACH CONTRACTOR SHALL COORDINATE HIS OWN WORK WITH WORK OF ALL OTHER CONTRACTORS ENGAGED ON THE PROJECT INCLUDING BUT NOT LIMITED TO, PENETRATIONS, FABRICATIONS AND INSTALLATIONS. THE CONTRACTOR MUST COMPLY WITH ALL PROVISIONS OF THE CONTRACT DOCUMENTS AND APPLICABLE REFERENCED STANDARDS.

4. INDICATED DIMENSIONS ARE TO FACE OF MASONRY, CONCRETE, FACE OF FINISH OR CENTERLINE.

5. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.

6. WHERE REQUIRED, SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED BY THE ARCHITECT BEFORE ANY SHOP FABRICATION OR FIELD WORK IS PERFORMED.

7. THE CONTRACTOR SHALL BE FULLY INFORMED OF ALL CODES HAVING JURISDICTION OVER ALL THE WORK INCLUDING ALL APPLICABLE STATE EDUCATION DEPARTMENT PLANNING STANDARDS. IN THE EVENT OF ANY CONFLICTS, THE MORE STRINGENT CODE OF STANDARD SHALL TAKE PRECEDENCE.

8. USE ONLY NEW AND BEST QUALITY MATERIALS AND EQUIPMENT FOR THE INTENDED PURPOSE, AND THE BEST WORKMANSHIP TO CONSTRUCT THE NEW WORK WITHOUT DEFECTS.

9. PERFORM ALL NECESSARY DEMOLITION REQUIRED TO INSTALL NEW WORK PER THE CONTRACT DOCUMENTS AND PROVIDE PROTECTION FOR EXISTING CONSTRUCTION ADJACENT TO THE NEW WORK. THE CONTRACTOR(S) SHALL RESTORE ALL EXISTING CONDITIONS DISTURBED BY ALL THE WORK, ALL TO MATCH THE EXISTING UNLESS INDICATED OTHERWISE.

10. ALL WORK SHALL BE SET STRAIGHT, PLUMP AND LEVEL OR WITH INDICATED SLOPE.

11. EACH CONTRACTOR SHALL COLLECT HIS OWN RUBBISH AND CONSTRUCTION DEBRIS EACH DAY, PLACE IT IN APPROPRIATE CONTAINERS AND DISPOSE OF IT IN A LEGAL MANNER.

12. ALL OCCUPIED PORTIONS OF THE BUILDINGS MUST CONTINUE TO OPERATE DURING NORMAL BUSINESS HOURS, AS WELL AS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY. IF ANY CONSTRUCTION OPERATION IS DEEMED TO BE DISRUPTIVE BY THE SD TO THE NORMAL OPERATION OF THE SCHOOL BUILDING, THEN THE CONTRACTOR SHALL PERFORM THE WORK ON A PREMIUM TIME BASIS DURING OTHER THAN NORMAL BUSINESS HOURS. ALL COSTS ASSOCIATED WITH PREMIUM TIME WORK SHALL BE INCLUDED IN THE CONTRACTOR'S BID PROPOSAL.

13. THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING MINIMUM SAFETY AND SECURITY REQUIREMENTS FOR THIS PROJECT; A) ALL MATERIALS SHALL BE STORED IN A SAFE, SECURE AND WEATHER TIGHT ENVIRONMENT; B) MAINTAIN SECURITY FENCES AROUND DEBRIS AND CONSTRUCTION WHERE DISPLAYED IN A VISIBLE PLACE ON THEIR PERSON.

14. CONSTRUCTION AREAS WHICH UNDER THE CONTROL OF THE CONTRACTOR AND THEREFORE NOT OCCUPIED BY STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTIONS AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST AND CONTAMINANTS.

a) A SPECIFIC STAIRWELL AND ENTRANCE SHALL BE PROVIDED FOR CONTRACTORS USE DURING WORK HOURS. WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF.
b) REMOVAL OF ALL DEBRIS SHALL BE THROUGH DESIGNATED, SEPARATED AND PROTECTED AREAS OF THE BUILDING. THERE SHALL BE NO MOVEMENT OF DEBRIS OR EQUIPMENT THROUGH OCCUPIED SPACES OF THE BUILDING.
c) ALL OCCUPIED PARTS OF A BUILDING AFFECTED BY CONSTRUCTION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORK DAY.

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

16. EACH RESPECTIVE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ITS ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF–GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE SPACE CAN BE OCCUPIED. PRIOR APPROVAL OF PROTECTIVE MEASURES PLAN BY SD IS REQUIRED BEFORE PROCEEDING

17. ALL NEW WALLS, AND PARTITIONS AS NOTED SHALL BE CARRIED UP AN SECURED TIGHTLY TO ROOF DECK FLOOR DECK AND SLAB UNLESS OTHERWISE SPECIFIED. (SEE PARTITION TYPE DRAWING FOR MORE INFO.)

18. THE CONTRACTOR SHALL PROVIDE THE NECESSARY LEVELING COMPOUNDS TO EXISTING AND NEW SUBSTRATE CONCRETE SLABS SO THAT NEW FLOOR FINISHES ARE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS.

GENERAL REMOVAL NOTES:

1. DRAWINGS INDICATE ONLY MAJOR SCOPE OF REMOVALS. CONTRACTOR IS REQUIRED TO REMOVE ANY AND ALL ITEMS NOT SHOWN AS REQUIRED TO SUIT ALL NEW WORK. CONTRACTOR IS REQUIRED TO REMOVE, PROTECT AND STORE ANY AND ALL ITEMS SHOWN AS REQUIRED TO SUIT ALL NEW WORK, COORDINATE W/ OWNER FOR STORING LOCATIONS.

2. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. SHOWN ON DRAWINGS ARE APPROXIMATELY LOCATED. CONTRACTOR IS TO DETERMINE EXACT LOCATIONS OF ALL ITEMS IN THE FIELD.

3. CONTRACTOR SHALL BE ADVISED THAT EXISTING ABOVE CEILING CABLING MAY BE PRESENT. CARE SHALL BE TAKEN WHEN REMOVING CEILINGS IN ORDER TO NOT DAMAGE EXISTING CABLING TO REMAIN. REFER TO SPECIFICATIONS FOR CABLE BUNDLING AND SUPPORT.

4. CONTRACTOR IS TO VERIFY ANY MAJOR DIMENSIONAL DEVIATIONS FROM DRAWINGS OR STRUCTURAL OBSTRUCTIONS. THESE SHALL BE BROUGHT TO THE OWNER'S REPRESENTATIVE'S ATTENTION. ALL CONTRACT DRAWINGS INDICATE APPROXIMATE DIMENSIONS AND EXISTING CONDITIONS BASED ON FIELD SURVEY AND DRAWINGS FURNISHED BY THE OWNER. VARIATIONS MAY EXIST AS TO FIELD CONDITIONS. THE COST FOR ANY SUCH VARIATIONS SHALL BE INCLUDED WITHIN THE CONTRACT BID.

5. ALL SURFACES DISTURBED BY REMOVALS SHALL BE PATCHED/REPAIRED TO MATCH EXISTING ADJACENT FINISHES, COORDINATE AND PREPARE SURFACES TO ACCOMMODATE WITH NEW FINISH ACCORDING TO SPECS AND MANUFACTURER'S RECOMMENDATIONS.

6. EACH CONTRACTOR SHALL FIRE STOP ALL TRADE RELATED EXISTING OR NEW PENETRATIONS THROUGH FLOORS, PARTITIONS AND WALLS AT ALL LOCATIONS WITH APPROVED MATERIALS AND SYSTEMS.

7. ALWAYS WORK IN A MANNER WHICH PROVIDES CONTINUOUS SUPPORT TO STRUCTURE ABOVE. PROVIDE APPROPRIATE LINTEL FOR ALL OPENINGS UNLESS SPECIFIED OTHERWISE.

8. COORDINATE REMOVALS WITH NEW WORK.

9. IF AT ANY TIME DURING SELECTIVE REMOVAL PROCEDURES, SHOULD THE CONTRACTOR SUSPECT HAZARDOUS MATERIALS, WORK SHALL STOP IMMEDIATELY AND THE OWNER SHALL BE NOTIFIED IN WRITING. OWNER SHALL TAKE STEPS TO HAVE AFFECTED WORK AREAS DECONTAMINATED BY A STATE OF NEW YORK LICENSED ABATEMENT CONTRACTOR. OBTAIN APPROVALS FROM GOVERNING AGENCIES PRIOR TO COMMENCEMENT OF ABATEMENT. WORK IN AFFECTED AREAS SHALL RESUME IN THE ABSENCE OF CONTAMINANTS AND WHEN IT HAS BEEN RENDERED HARMLESS BY LABORATORY ANALYSIS AND WRITTEN AGREEMENT BY OWNER AND CONTRACTOR.

10. THE OWNER SHALL HAVE FIRST REFUSAL RIGHT TO ALL ITEMS TO BE REMOVED. WHERE ITEMS ARE CHOSEN TO BE SALVAGED, THE CONTRACTOR SHALL DELIVER TO THE OWNER. WHERE THE OWNER REFUSES POSSESSION OF ITEMS, THEY BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF LEGALLY.

CODE REFERENCE PLAN LEGEND

1. APPLICATION CODE STANDARDS

   2020 EXISTING BUILDING CODE OF NEW YORK STATE.
   2020 ENERGY CONSERVATION CODE OF NEW YORK STATE (IECC 2018 WITH AMENDMENTS).
   2020 INTERNATIONAL EXISTING BUILDING CODE OF NEW YORK STATE (IEBC 2018 WITH AMENDMENTS).

2. ALTERATION – LEVEL–2 (603)

3. REFER TO SPRINKLER, MECHANICAL AND ELECTRICAL DRAWINGS,

GRAPHIC LEGEND

CLASSROOM 100 – ROOM NAME & NUMBER
100 – DOOR NUMBER
ELEVATION KEY
INTERIOR WALL INDICATIONS
W – WINDOW TYPE
J1 – REMOVAL/WORKSCOPE NOTE
1 – REVISION MARK
DETAIL NO. / DETAIL KEY / DWG. NO.
WALL TYPE
EXTERIOR ELEVATION KEY
FLUSH – FLUSH THRESHOLD
5'–0" ø HANDICAPPED TURNING RADIUS

REMOVE EXISTING CONSTRUCTION
EXISTING CONSTRUCTION
NEW WALL CONSTRUCTION
COLUMN GRID LINES
EXISTING COLUMN DESIGNATION
BUILDING/WALL SECTION/DETAIL
REFERENCE POINT
HIDDEN LINE BELOW
HIDDEN LINE ABOVE OR BEYOND
CENTERLINE OR N.I.C. LINE
EXISTING DOOR INDICATES DOOR NUMBER (SEE DOOR SCHEDULE)
NEW DOOR INDICATES DOOR NUMBER (SEE DOOR SCHEDULE)

MATERIALS LEGEND

CONCRETE
CONCRETE MASONRY UNITS
BRICK
STONE
METALS
COMPACTED GRAVEL
EARTH/UNDISTURBED SOIL
DRAINAGE BOARD
PARTICLE BOARD
PLYWOOD
ACOUSTICAL TILE
CONTINUOUS WOOD FRAMING THROUGH MEMBER
WOOD FRAMING THROUGH INTERRUPTED MEMBER
FINISHED WOOD
BATT INSULATION
RIGID INSULATION

LIST OF DRAWINGS

T–1 TITLE SHEET, LOCATION MAP
G–1 ABBREVIATIONS, MATERIALS, GRAPHIC LEGEND, GENERAL NOTES, GENERAL REMOVAL NOTES, AND LIST OF DRAWINGS.
SQ–1 SITE PLAN

ARCHITECTURAL:
A100 UPPER MECHANICAL LEVEL PLAN
A101 FIRST FLOOR PLAN.
A102 SECOND FLOOR PLAN
A103 THIRD FLOOR PLAN
A104 ROOF PLAN

A200 UPPER MECHANICAL LEVEL AND FIRST FLOOR REFLECTED CEILING PLANS
A201 SECOND FLOOR REFLECTED CEILING PLAN
A202 THIRD FLOOR REFLECTED CEILING PLAN

A300 EXTERIOR ELEVATIONS WEST AND NORTH
A301 EXTERIOR ELEVATIONS EAST AND SOUTH
A302 PARTIAL EXTERIOR ELEVATIONS
A310 MASONRY PHOTOGRAPHS
A311 MASONRY PHOTOGRAPHS

A400 BUILDING SECTIONS
A430 MASONRY DETAILS, LEADER AND SPLASH BLOCK DETAILS, NOTES AND GENERAL RESTORATION NOTES
A431 MISCELLANEOUS DETAILS

MECHANICAL:
M–001 MECHANICAL ABBREVIATIONS, GENERAL NOTES, SYMBOLS LIST, PLANS, DETAILS AND SCHEDULES

SPRINKLER:
SP–001 SPRINKLER COVER SHEET
SP–100 SPRINKLER CELLAR CONSTRUCTION PLAN
SP–101 SPRINKLER FIRST FLOOR CONSTRUCTION PLAN
SP–102 SPRINKLER SECOND FLOOR CONSTRUCTION PLAN
SP–103 SPRINKLER THIRD FLOOR CONSTRUCTION PLAN
SP–300 SPRINKLER DETAILS

ELECTRICAL:
E–001 ELECTRICAL COVER SHEET
E–100 ELECTRICAL SCIENCE BUILDING FIRST FLOOR PLAN
E–101 ELECTRICAL SCIENCE BUILDING SECOND FLOOR PLAN
E–102 ELECTRICAL SCIENCE BUILDING ROOF PLAN
E–200 ELECTRICAL SCIENCE BUILDING OVERALL PLAN
E–201 ELECTRICAL ELEVATIONS (SHEET 1)
E–202 ELECTRICAL ELEVATIONS (SHEET 2)
E–300 ELECTRICAL DETAILS
E–400 ELECTRICAL SCHEDULES

FA–001 FIRE ALARM COVER SHEET
FA–100 FIRE ALARM CELLAR CONSTRUCTION PLAN
FA–101 FIRE ALARM FIRST FLOOR CONSTRUCTION PLAN
FA–102 FIRE ALARM SECOND FLOOR CONSTRUCTION PLAN
FA–103 FIRE ALARM THIRD FLOOR CONSTRUCTION PLAN
FA–200 FIRE ALARM RISER DIAGRAM

PLUMBING:
P–001 PLUMBING SYMBOLS, NOTES, SECOND FLOOR DEMOLITION PLAN & KEY PLAN

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LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

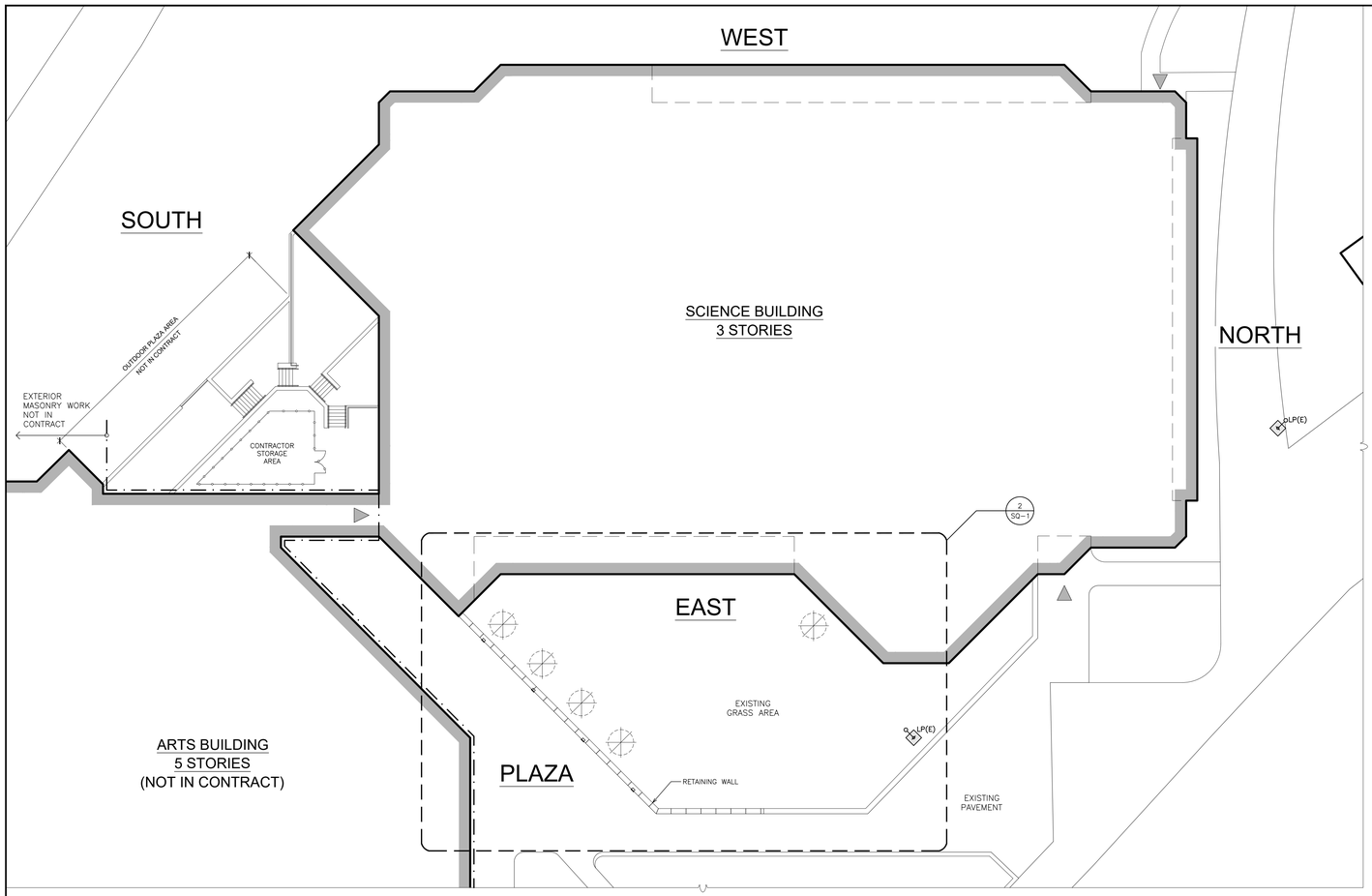
DRAWING TITLE
ABBREVIATIONS, MATERIALS, GRAPHIC LEGEND, GENERAL NOTES, GENERAL REMOVAL NOTES, AND LIST OF DRAWINGS

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE 30"x42"
DRAWING NO. G-1
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 24522.00

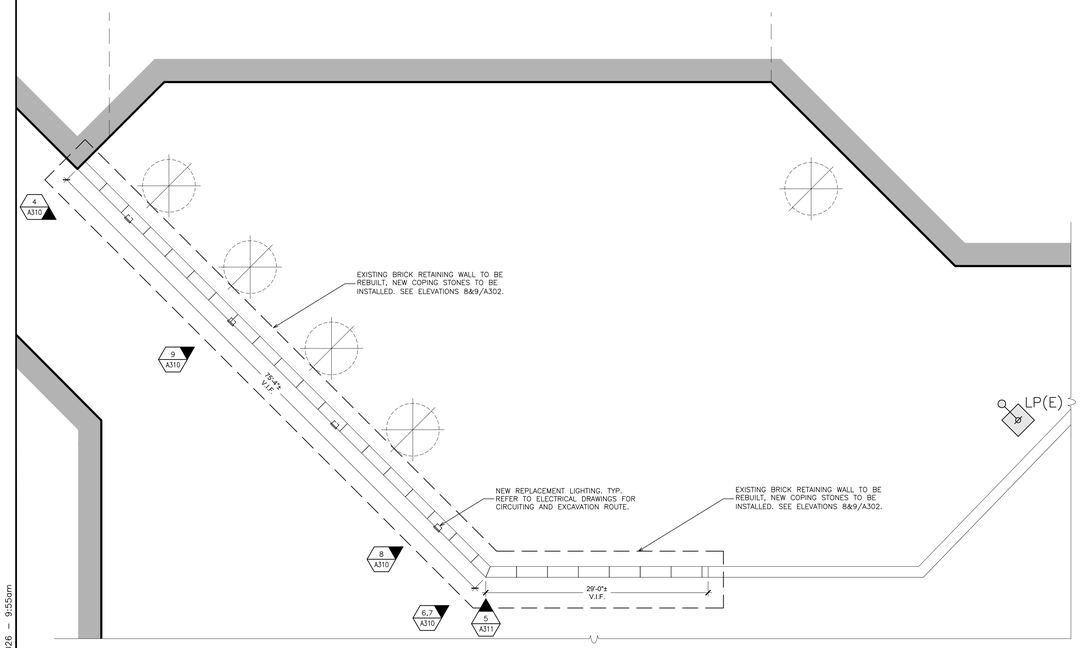
PLOT DATE: March 21, 2026 – 9:53am

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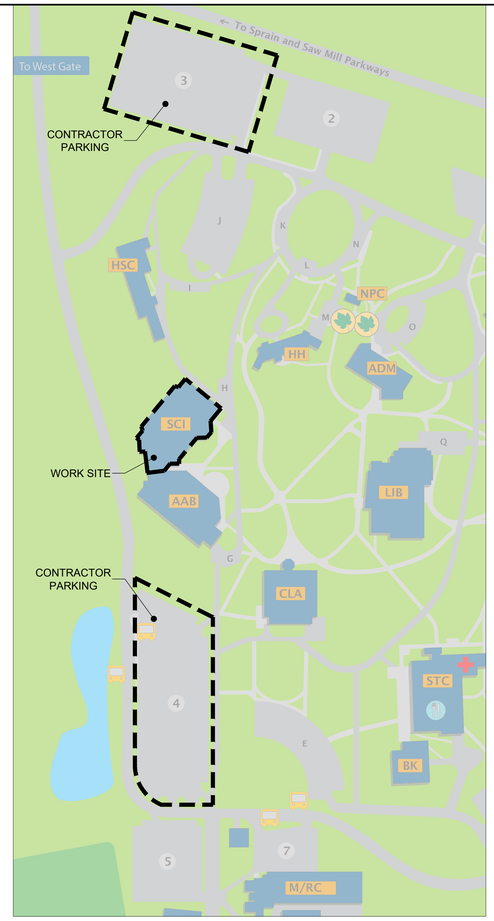
1 SITE PLAN
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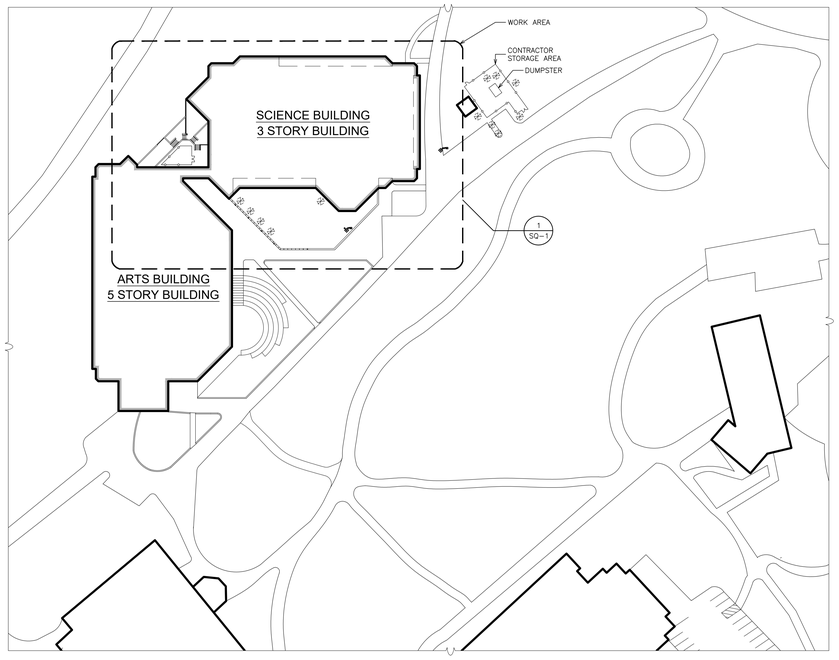


2 ENLARGED SITE PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'



4 PARTIAL CAMPUS MAP
SCALE: N.T.S.



3 STAGING AREA
SCALE: 1/64" = 1'-0"

0 8' 16' 32' 64' 128'

SITE LEGEND

- LP(E) — EXISTING LIGHT POLE
- EXISTING TREE
- TEMPORARY 8-FOOT HIGH CONSTRUCTION FENCE AND GATE (TYP.)
- PHOTOGRAPH NO. / PHOTOGRAPH / DRAWING NO. (X-XXX) — (REFER TO DRAWINGS A310 & A311 FOR PHOTOGRAPHS.)
- ENTRANCE / EGRESS

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LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:

00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

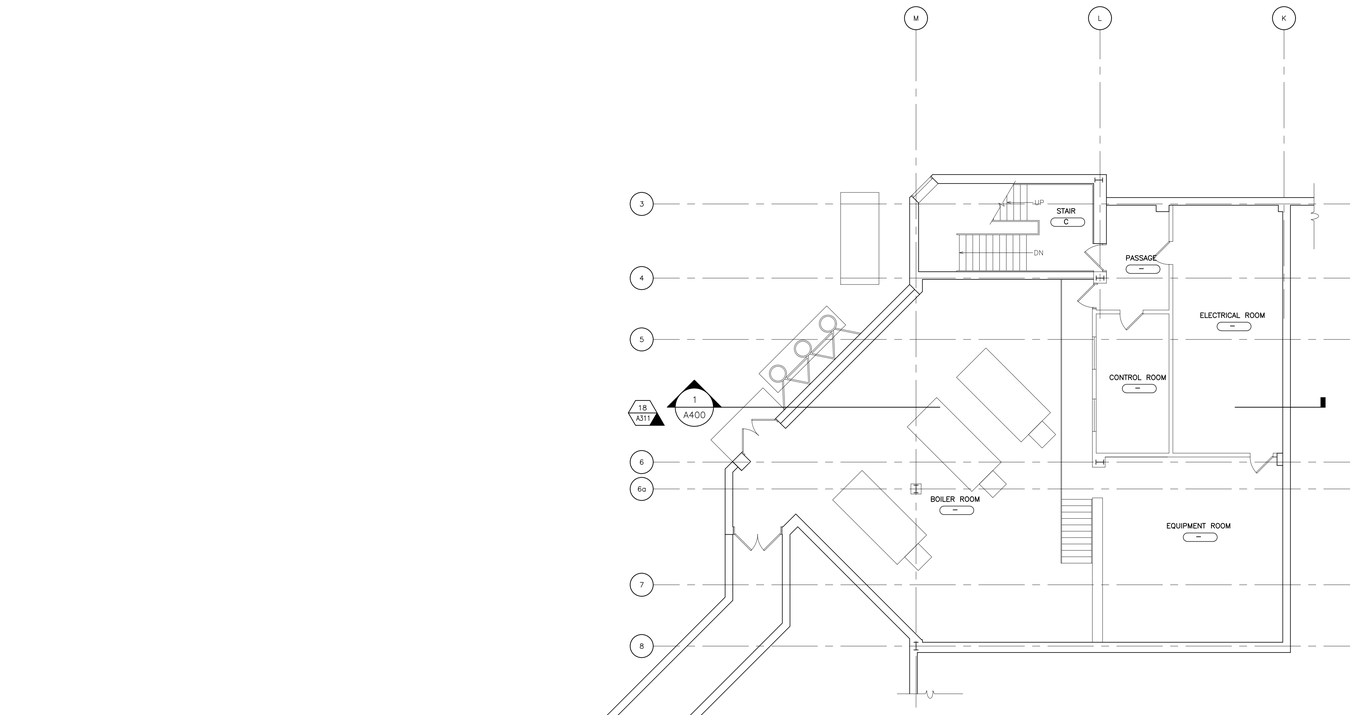
DRAWING TITLE
SITE PLAN

03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. SQ-1
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 9:55am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-SQ-1.dwg

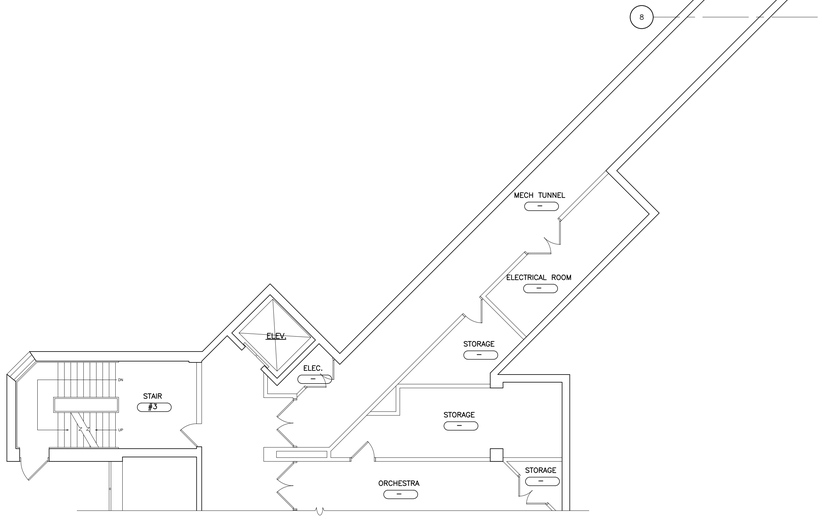


EXISTING CONDITIONS - SCIENCE BUILDING UPPER MECHANICAL LEVEL PLAN

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

0 2' 4' 8' 16' 32'

N

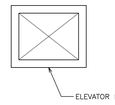


EXISTING CONDITIONS - ARTS BUILDING FIRST FLOOR PARTIAL PLAN

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

0 2' 4' 8' 16' 32'

N



NOTES:
SEE MECHANICAL PLANS FOR INTERIOR SCOPE OF WORK AREAS.

LEGEND

PHOTOGRAPH NO.
PHOTOGRAPH
DRAWING NO.
(REFER TO DRAWINGS A310 & A311 FOR PHOTOGRAPHS.)

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LICENSE EXP. DATE: 03-31-2028

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00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

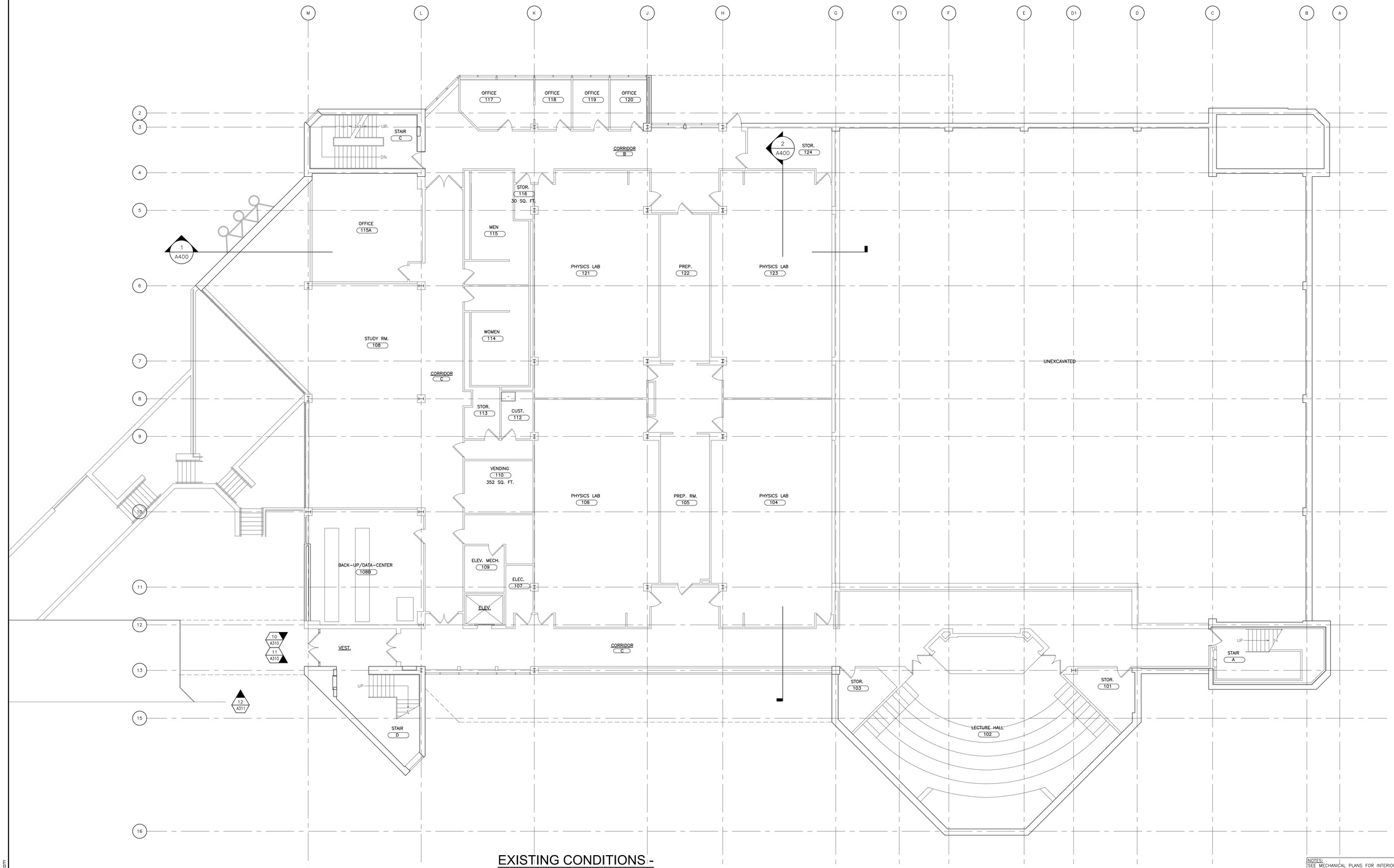
DRAWING TITLE
UPPER MECHANICAL LEVEL PLAN

DATE	ISSUED TO
03-27-2026	BID
06-16-2024	ISSUE FOR 95% CD

SHEET SIZE 30"x42"
DRAWING NO. A100
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 9:56am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A100-101-102-103-104.dwg



EXISTING CONDITIONS - FIRST FLOOR PLAN

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

0 2' 4' 8' 16' 32'

N

NOTES:
SEE MECHANICAL PLANS FOR INTERIOR SCOPE OF WORK AREAS.

LEGEND

PHOTOGRAPH NO.
PHOTOGRAPH
DRAWING NO.
(REFER TO DRAWINGS A310 & A311 FOR PHOTOGRAPHS.)

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PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
FIRST FLOOR PLAN

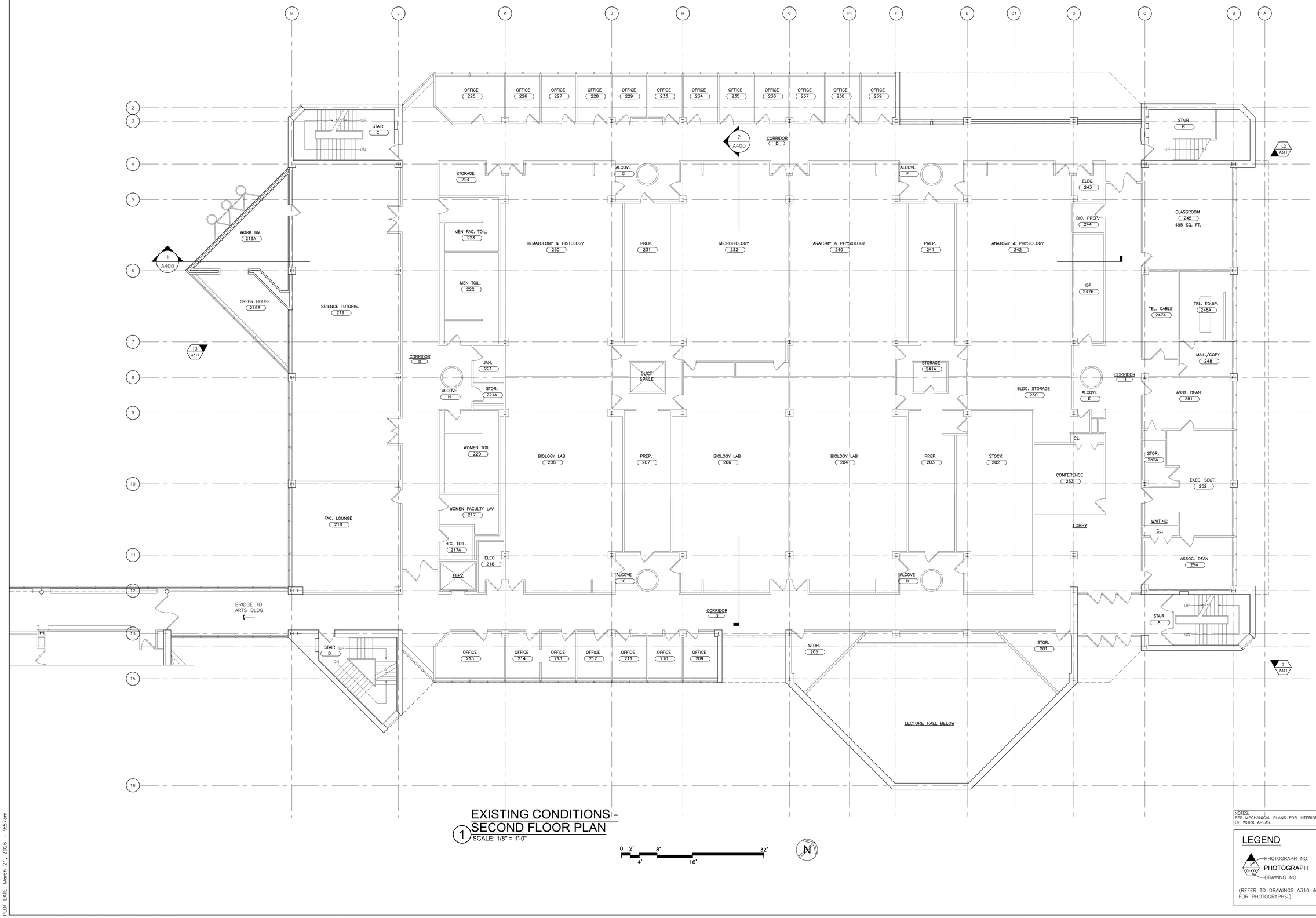
DATE	ISSUED TO
03-27-2026	BID
06-16-2024	ISSUE FOR 95% CD

SHEET SIZE 30"x42"
DRAWING NO. A101
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 9:56am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A100-101-102-103-104.dwg

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EXISTING CONDITIONS - SECOND FLOOR PLAN

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

0 2' 4' 8' 16' 32'

NOTES:
SEE MECHANICAL PLANS FOR INTERIOR SCOPE OF WORK AREAS.

LEGEND

PHOTOGRAPH NO.
PHOTOGRAPH
DRAWING NO.
(REFER TO DRAWINGS A310 & A311 FOR PHOTOGRAPHS.)

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PROJECT TITLE:
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

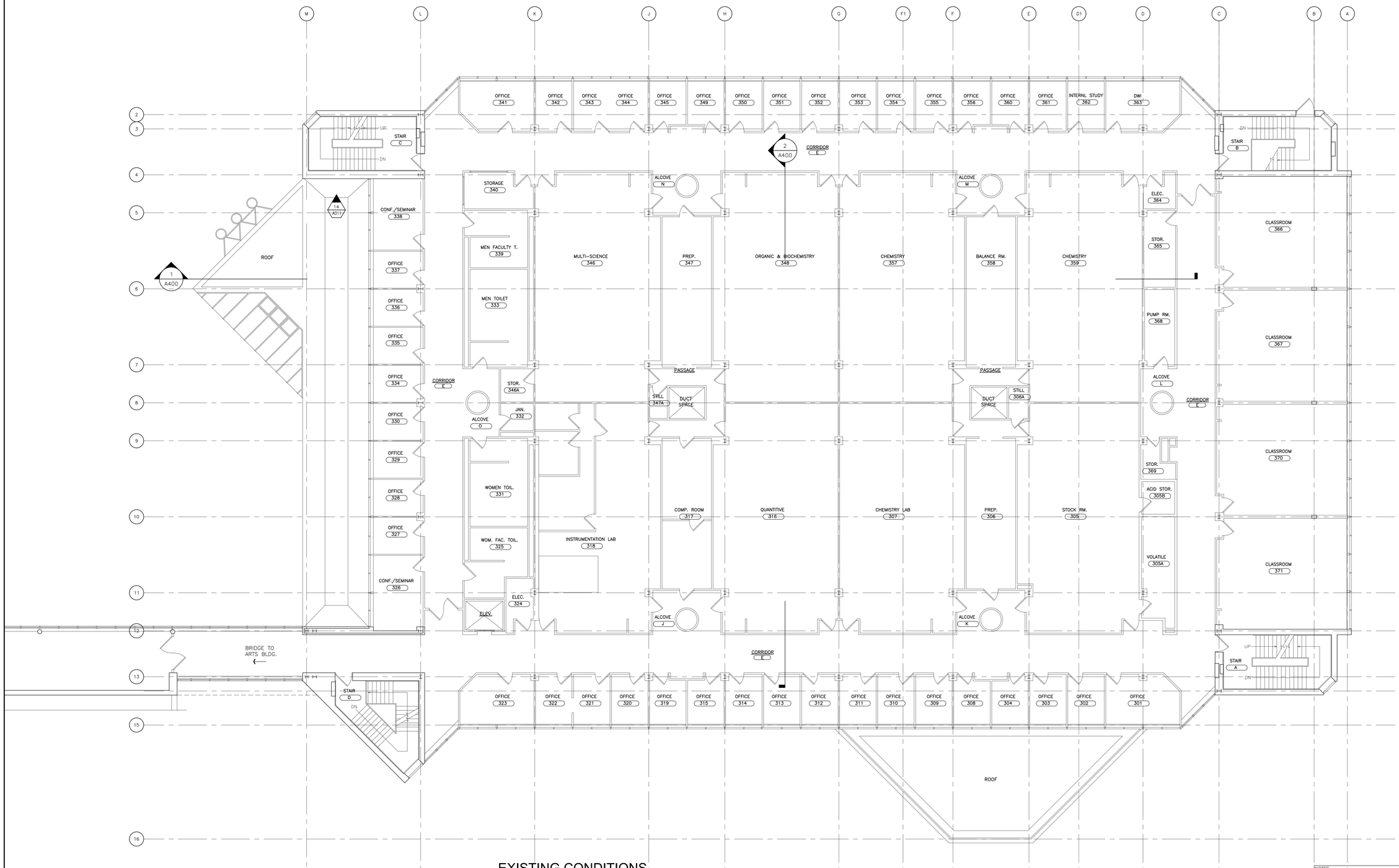
DRAWING TITLE:
SECOND FLOOR PLAN

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE: 30"x42"
DRAWING NO.: A102
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 24522.00

PLOT DATE: March 21, 2026 - 9:57am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A100-101-102-103-104.dwg



EXISTING CONDITIONS - THIRD FLOOR PLAN

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

0 2' 4' 8' 16' 32'

N

NOTES:
SEE MECHANICAL PLANS FOR INTERIOR SCOPE OF WORK AREAS.

LEGEND

PHOTOGRAPH NO.
PHOTOGRAPH
DRAWING NO.
(REFER TO DRAWINGS A310 & A311 FOR PHOTOGRAPHS.)

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00-00-00-00-0-000-000

PROJECT TITLE:
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

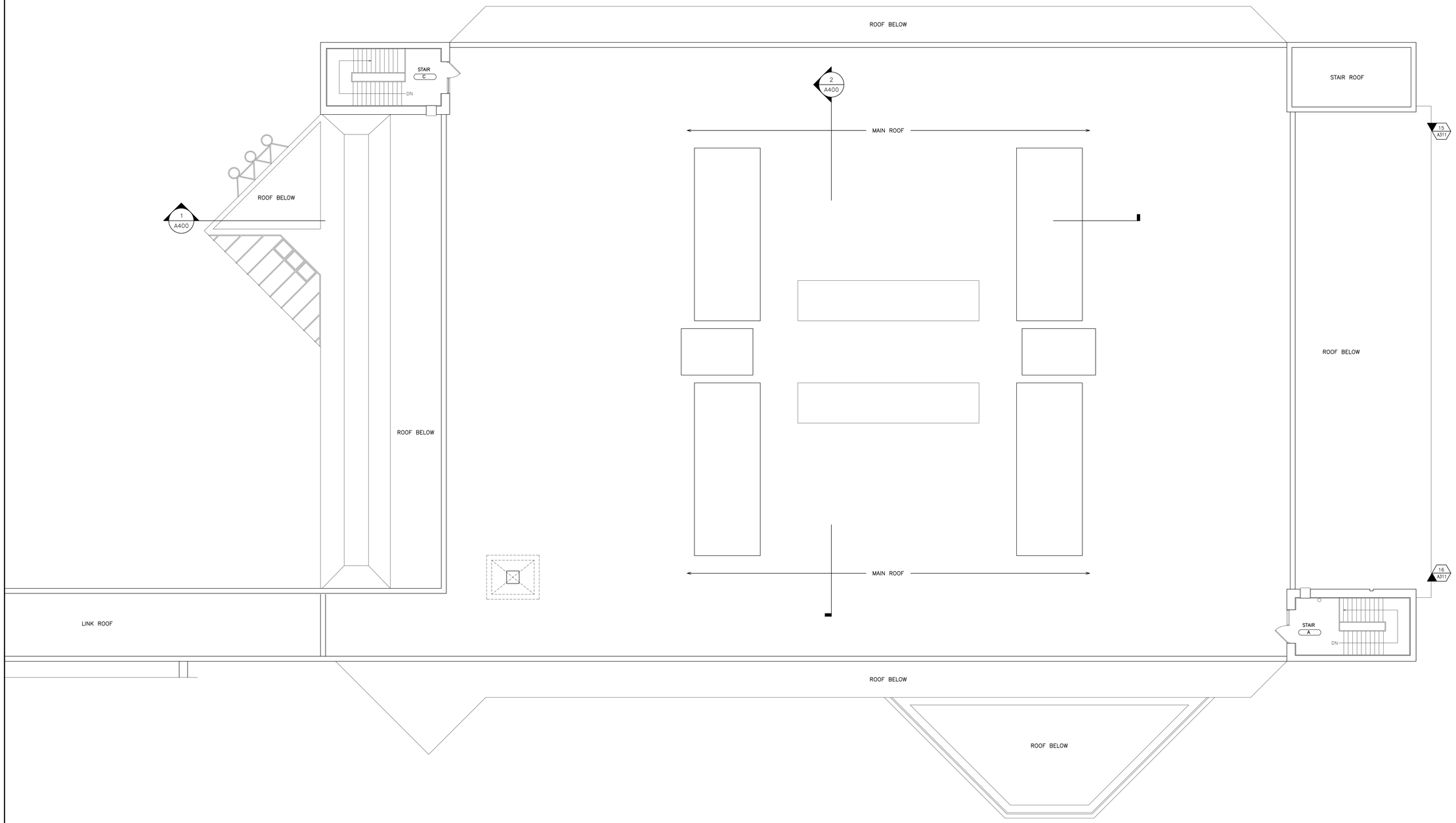
DRAWING TITLE:
THIRD FLOOR PLAN

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE: 30"x42"
DRAWING NO.: A103
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 24522.00

PLOT DATE: March 21, 2026 - 9:57am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A100-101-102-103-104.dwg



EXISTING CONDITIONS - ROOF PLAN

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

0 2' 4' 8' 16' 32'

NOTES:
SEE MECHANICAL PLANS FOR INTERIOR SCOPE OF WORK AREAS.

LEGEND

PHOTOGRAPH NO.
X-XXX
PHOTOGRAPH
DRAWING NO.

(REFER TO DRAWINGS A310 & A311 FOR PHOTOGRAPHS.)

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No. 023464
STATE OF NEW YORK

LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
ROOF PLAN

03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD
DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. A104
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 24522.00

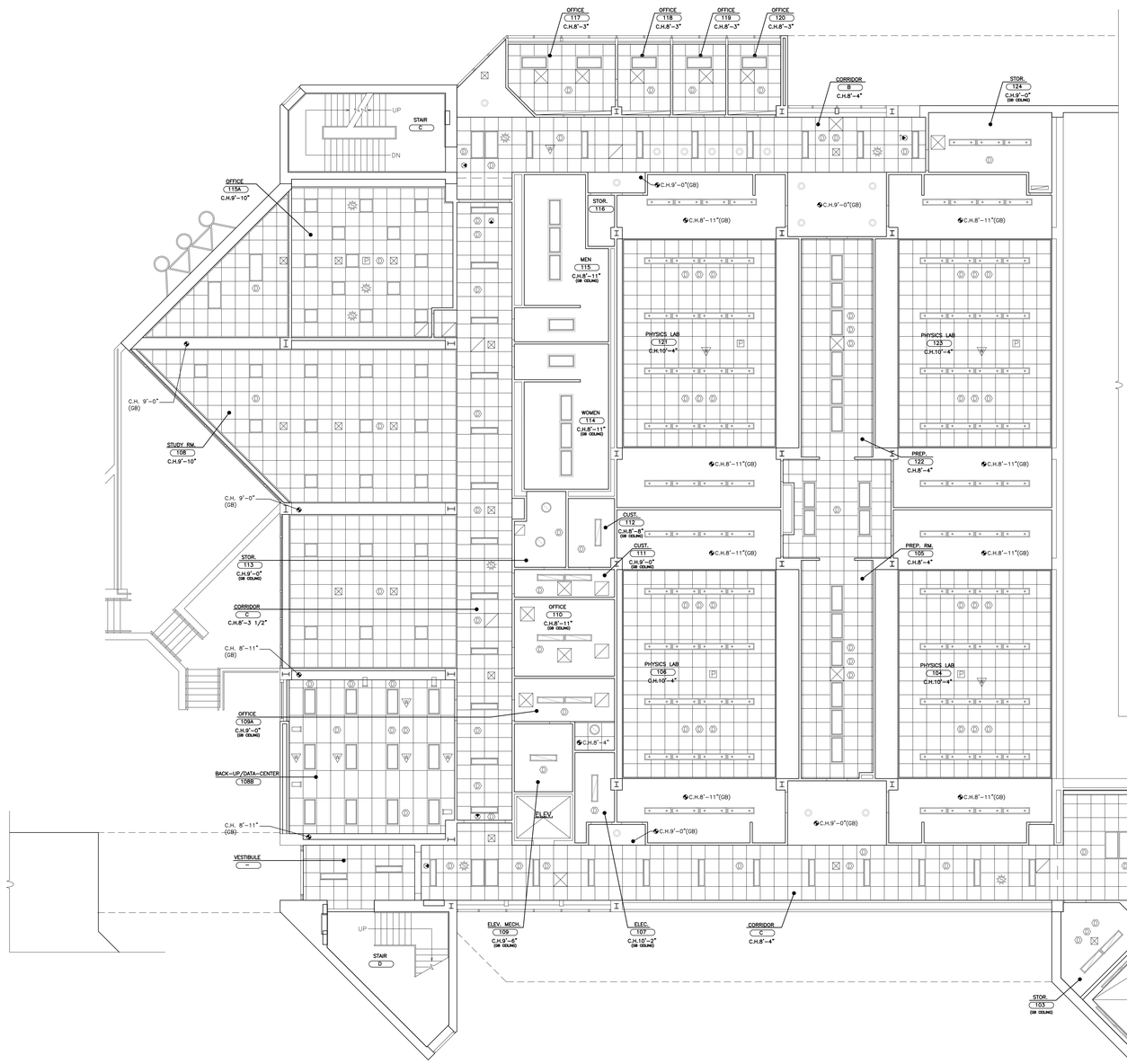
PLOT DATE: March 21, 2026 - 9:57am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A100-101-102-103-104.dwg

CEILING LEGEND

2'x2" RECESSED MOUNTED LIGHT FIXTURE.	CEILING REGISTER.
2'x4" RECESSED MOUNTED LIGHT FIXTURE.	CEILING DIFFUSER.
1'x4" SURFACE MOUNTED LIGHT FIXTURE.	CEILING MOUNTED EXIT SIGN AND DIRECTIONAL ARROW
1'x4" PENDANT MOUNTED LIGHT FIXTURE.	CEILING SPEAKER
	SURFACE MOUNTED CEILING DEVICE
ACOUSTICAL CEILING TILE	GB GYPSUM BOARD
	CH CEILING HEIGHT
HARD CEILINGS	

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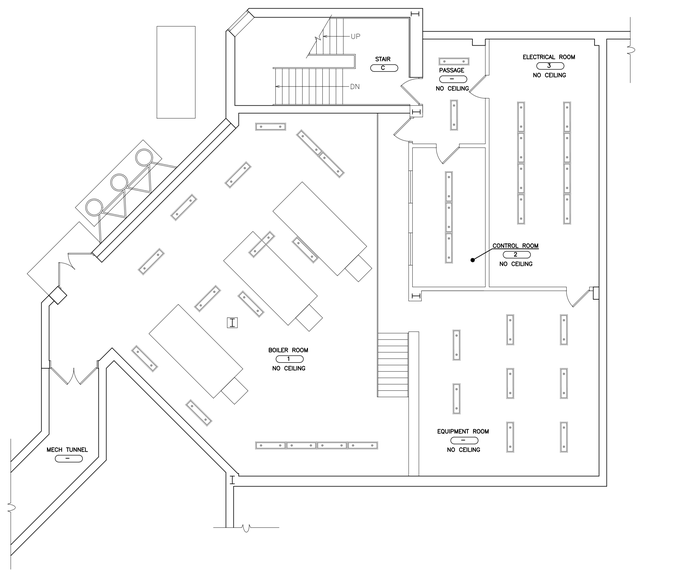


EXISTING CONDITIONS - REFLECTED CEILING PLAN FIRST FLOOR

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

0 2' 4' 8' 16' 32'

N

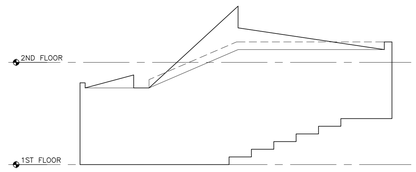


REFLECTED CEILING PLAN UPPER MECHANICAL LEVEL

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

0 2' 4' 8' 16' 32'

N



SECTION - RM 102

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

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LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:

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PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
UPPER MECHANICAL LEVEL AND FIRST FLOOR REFLECTED CEILING PLANS

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE 30"x42"	DRAWING NO. A200
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 24522.00

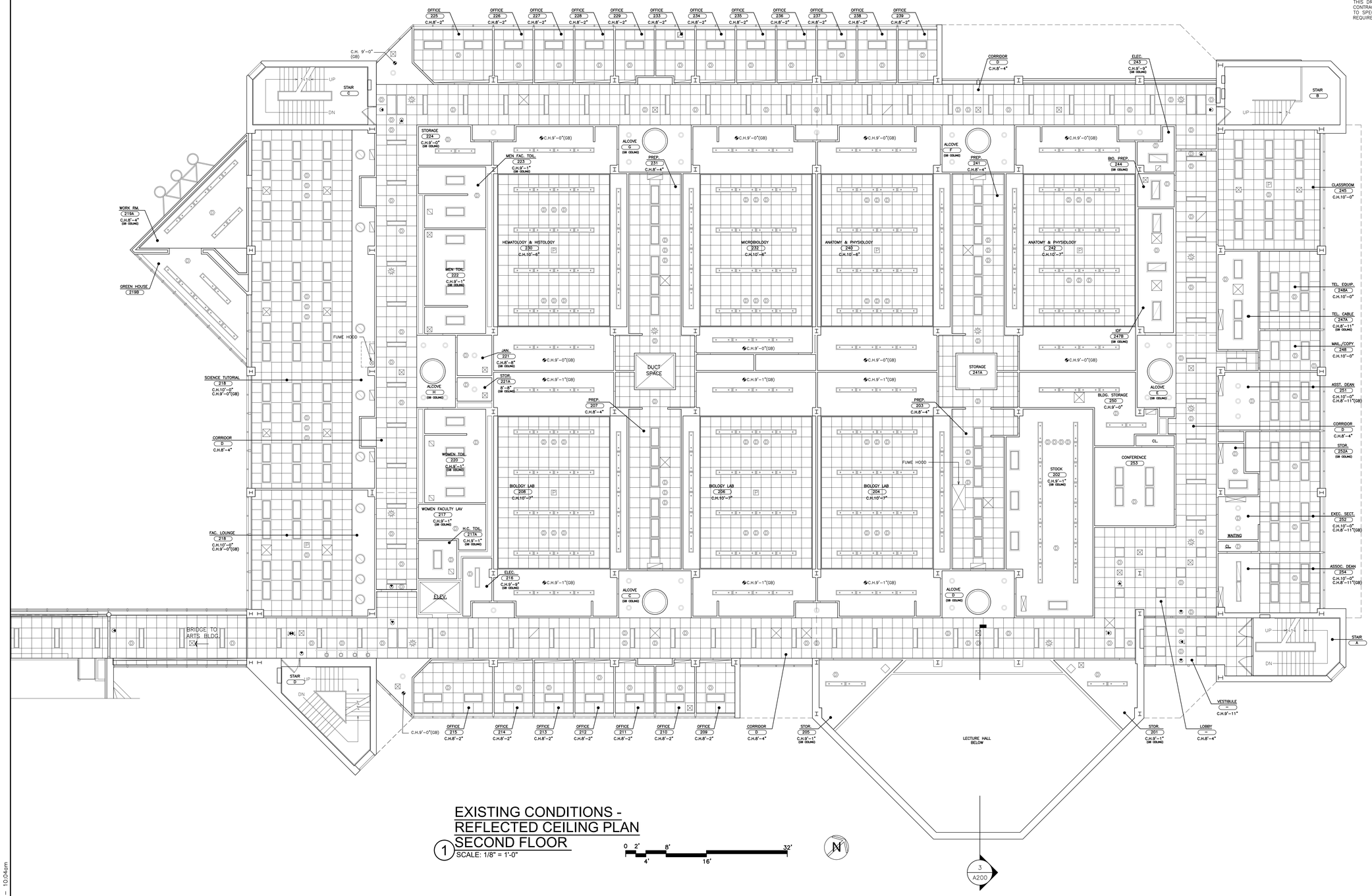
PLOT DATE: March 21, 2026 - 10:03am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A200-201-202.dwg

CEILING LEGEND

2'x2' RECESSED MOUNTED LIGHT FIXTURE.	CEILING REGISTER.
2'x4' RECESSED MOUNTED LIGHT FIXTURE.	CEILING DIFFUSER.
1'x4' SURFACE MOUNTED LIGHT FIXTURE.	CEILING MOUNTED EXIT SIGN AND DIRECTIONAL ARROW
1'x4' PENDANT MOUNTED LIGHT FIXTURE.	CEILING SPEAKER
	SURFACE MOUNTED CEILING DEVICE
ACOUSTICAL CEILING TILE	GB GYPSUM BOARD
	CH CEILING HEIGHT
HARD CEILINGS	

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EXISTING CONDITIONS - REFLECTED CEILING PLAN SECOND FLOOR

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

0 2' 4' 8' 16' 32'

N

3 A200

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LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

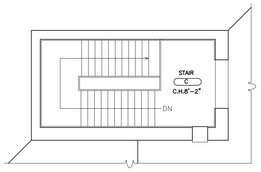
DRAWING TITLE
SECOND FLOOR
REFLECTED CEILING PLAN

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE 30"x42"
DRAWING NO. A201
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 10:04am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A200-201-202.dwg

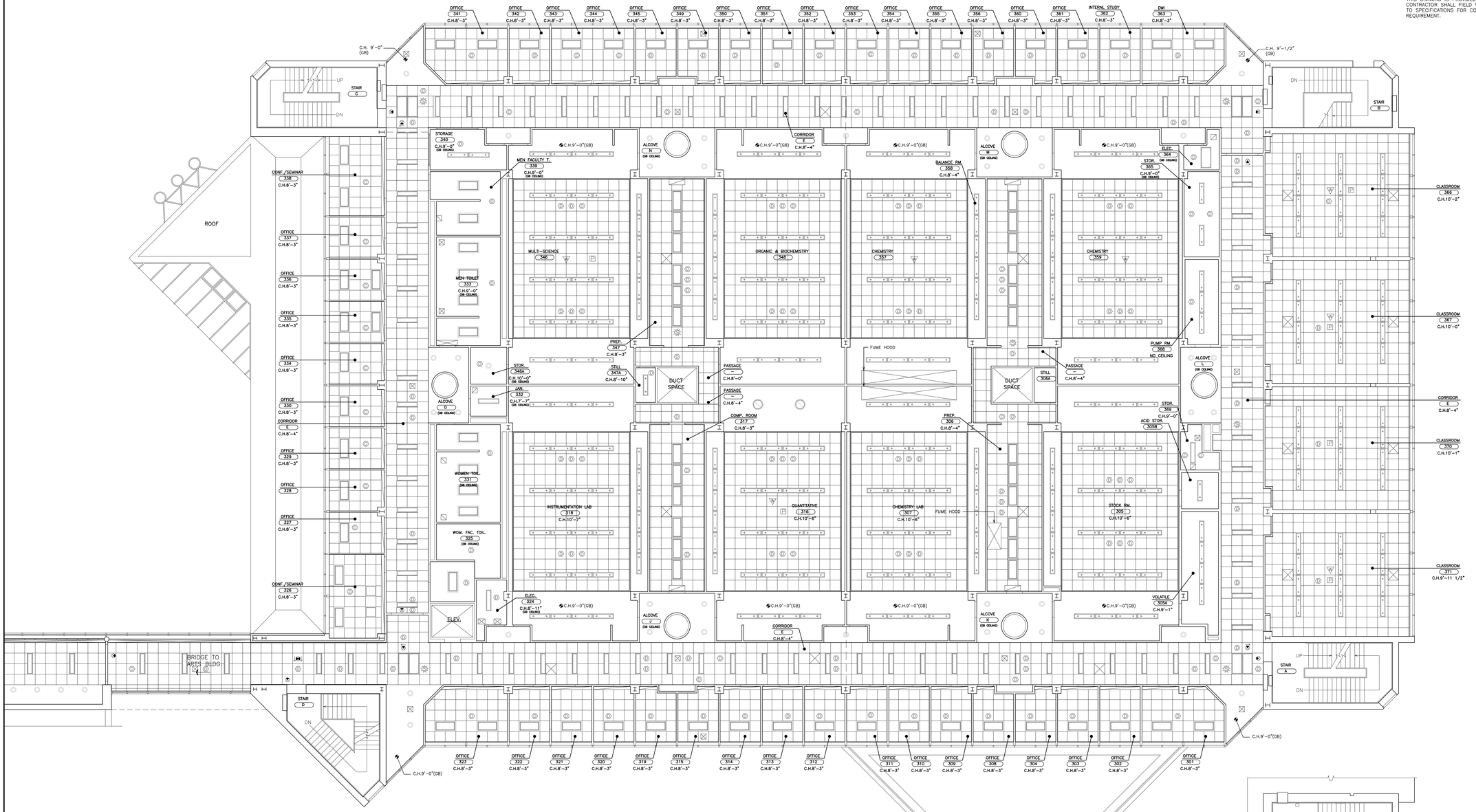


3 ROOF PLAN - STAIR C
SCALE: 1/8" = 1'-0"

CEILING LEGEND

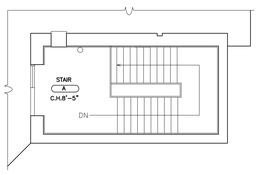
2'x2' RECESSED MOUNTED LIGHT FIXTURE.	CEILING REGISTER.
2'x4' RECESSED MOUNTED LIGHT FIXTURE.	CEILING DIFFUSER.
1'x4' SURFACE MOUNTED LIGHT FIXTURE.	CEILING MOUNTED EXIT SIGN AND DIRECTIONAL ARROW
1'x4' PENDANT MOUNTED LIGHT FIXTURE.	CEILING SPEAKER
	SURFACE MOUNTED CEILING DEVICE
ACOUSTICAL CEILING TILE	GB GYPSUM BOARD
	CH CEILING HEIGHT
HARD CEILINGS	

NOTE:
THIS DRAWING IS PROVIDED FOR GENERAL REFERENCE. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS. REFER TO SPECIFICATIONS FOR COORDINATION AND SHOP DRAWING REQUIREMENT.



EXISTING CONDITIONS - REFLECTED CEILING PLAN THIRD FLOOR
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'



2 ROOF PLAN - STAIR A
SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT JOSEPH FRANCIS D'ANGELO No. 023145 STATE OF NEW YORK

LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

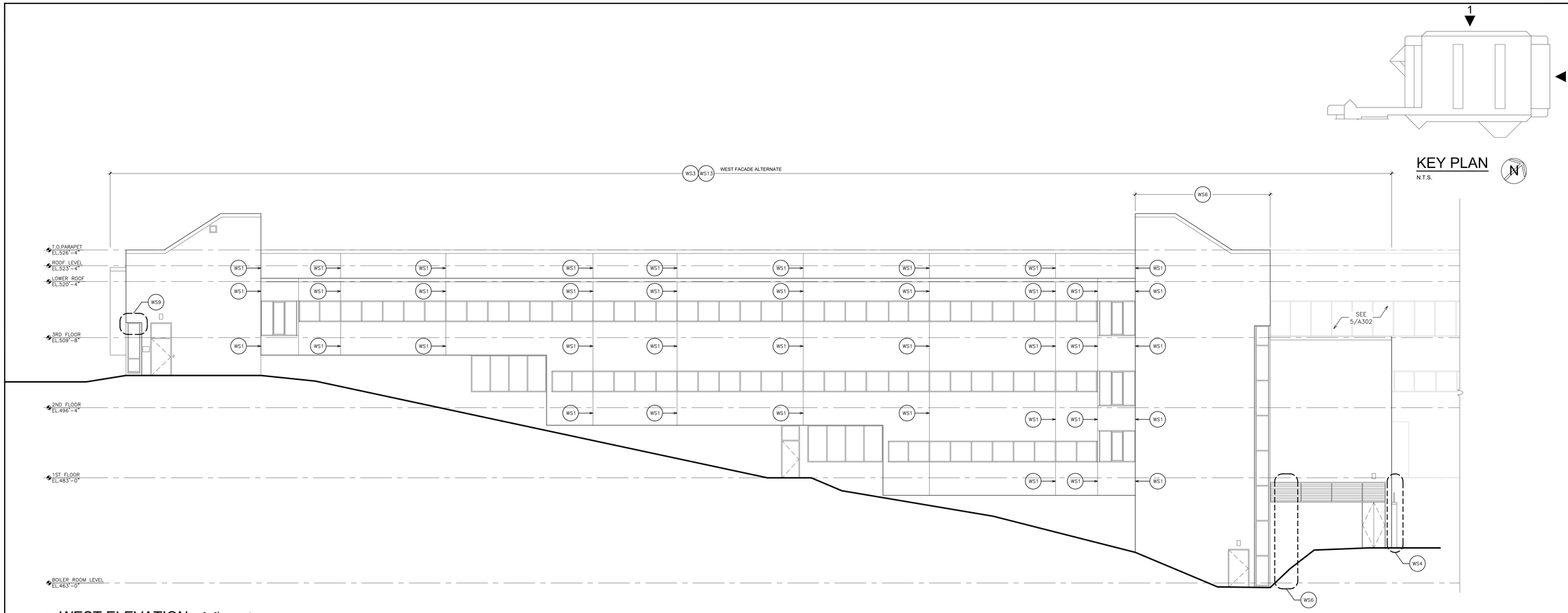
DRAWING TITLE
THIRD FLOOR
REFLECTED CEILING PLAN

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE 30"x42"
DRAWING NO. A202
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 10:04am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A200-201-202.dwg



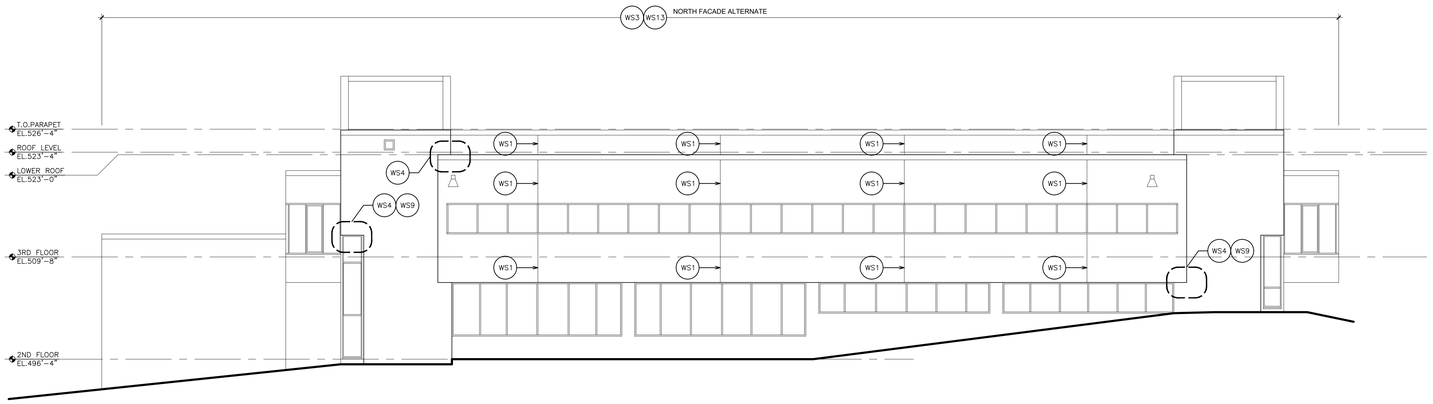
1 WEST ELEVATION

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

0 2' 4' 8' 16' 32'

NOTES:

1. ALTERNATE №. 1 – CLEAN, PRESSURE WASH AND SEAL ENTIRE WEST ELEVATION. REMOVE AND REPLACE ALL WINDOWS SEALANTS AND CLEAR CLOGGED WEEP HOLES.
2. BASE BID – ALL OTHER WORK INDICATED IS BASE BID.



2 NORTH ELEVATION

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

0 2' 4' 8' 16' 32'

NOTES:

1. ALTERNATE №. 2 – CLEAN, PRESSURE WASH AND SEAL ENTIRE NORTH ELEVATION. REMOVE AND REPLACE ALL WINDOWS SEALANTS AND CLEAR CLOGGED WEEP HOLES.
2. BASE BID – ALL OTHER WORK INDICATED IS BASE BID.

MASONRY WORK SCOPE NOTES

- WS1 – REMOVE EXISTING SEALANT JOINT, BACKER ROD AND FILLER MATERIALS. CLEAN RESIDUE FROM EXISTING ADJACENT SURFACES. PROVIDE SEALANT AND CLOSED BACKER ROD AND FILLER.
- WS2 – RE-BUILD UPPER PORTION OF WALL. REFER TO DETAIL 5&5A/A430.
- WS3 – CLEAN ENTIRE MASONRY SURFACE BY PRESSURE WASHING. PRESSURE WASH WITH DETERGENT. PROTECT ALL EXISTING ADJACENT SURFACES. SEAL ALL MASONRY SURFACES WITH COLORLESS PENETRATING MASONRY SEALER. REFER TO SPECIFICATIONS. (ALTERNATE BY FACADE).
- WS4 – REMOVE AND REPLACE DAMAGED BRICK.
- WS5 – REPOINT 100% OF EXISTING MASONRY JOINTS. SEE DETAIL 4/A430.
- WS6 – REMOVE ALL PLANT GROWTH.
- WS7 – REMOVE AND RESET GUTTER.
- WS8 – CLEAN BRICK.
- WS9 – SCRAPE AND PAINT STEEL LINTEL.
- WS10 – REBUILD PART OF THE BRICK WALL TO THE EXTEND SHOWN ON PICTURE.
- WS11 – REMOVE EXISTING SCUPPER. PROVIDE NEW LEADER AND SPLASH BLOCK.
- WS12 – CLEAN AND PAINT SOFFIT.
- WS13 – REMOVE AND REPLACE ALL WINDOW SEALANTS AND CLEAR CLOGGED WEEPS (ALTERNATE BY FACADE).

KEY PLAN

N.T.S.

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LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:

00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
EXTERIOR ELEVATIONS
WEST AND NORTH

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE 30"x42"

DRAWING NO. A300

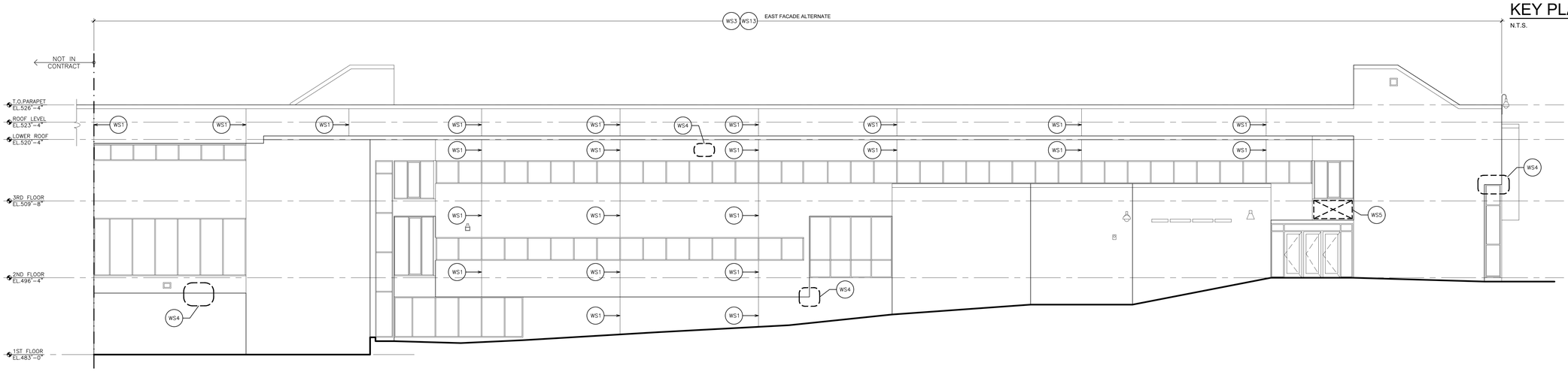
SCALE AS NOTED

DRAWN BY F & D

FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 10:05am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A300-301.dwg



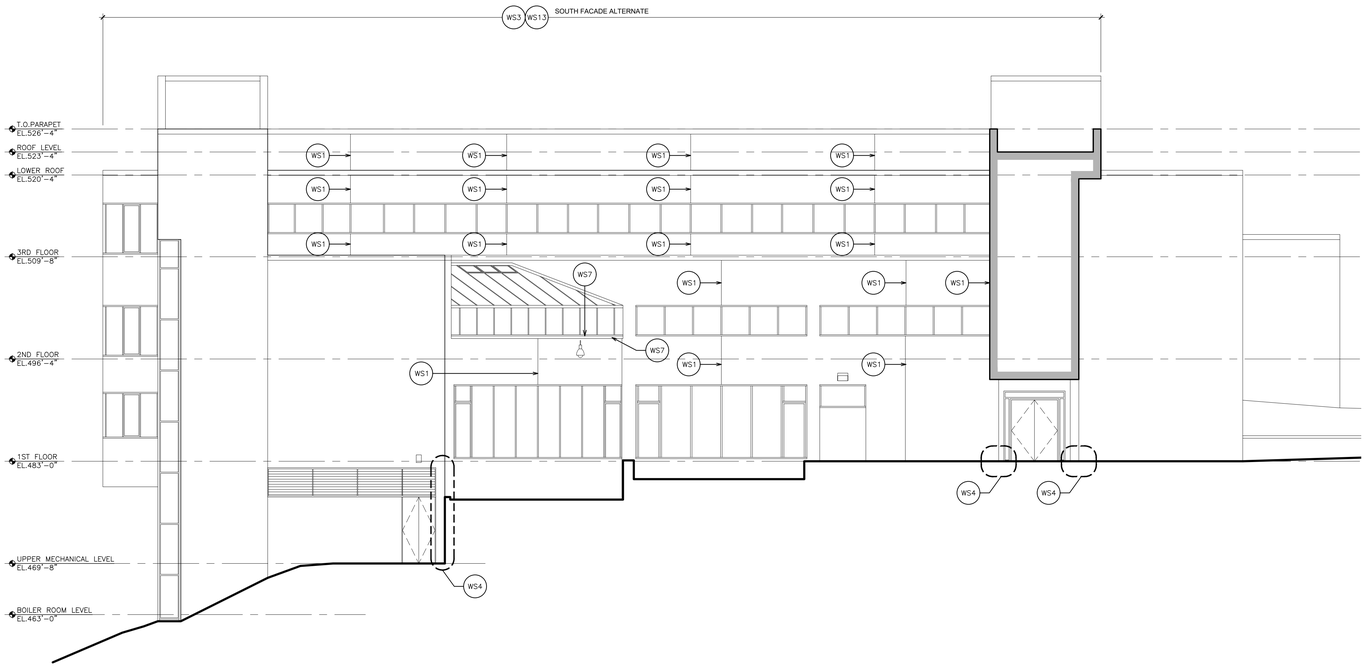
3 EAST ELEVATION

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

0 2' 4' 8' 16' 32'

NOTES:

1. ALTERNATE №. 3 – CLEAN, PRESSURE WASH AND SEAL ENTIRE EAST ELEVATION. REMOVE AND REPLACE ALL WINDOWS SEALANTS AND CLEAR CLOGGED WEEP HOLES.
2. BASE BID – ALL OTHER WORK INDICATED IS BASE BID.



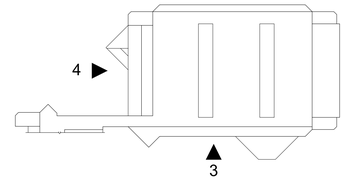
4 SOUTH ELEVATION

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

0 2' 4' 8' 16' 32'

NOTES:

1. ALTERNATE №. 4 – CLEAN, PRESSURE WASH AND SEAL ENTIRE SOUTH ELEVATION. REMOVE AND REPLACE ALL WINDOWS SEALANTS AND CLEAR CLOGGED WEEP HOLES.
2. BASE BID – ALL OTHER WORK INDICATED IS BASE BID.



KEY PLAN

N.T.S.

N

MASONRY WORK SCOPE NOTES

WS1	REMOVE EXISTING SEALANT JOINT, BACKER ROD AND FILLER MATERIALS. CLEAN RESIDUE FROM EXISTING ADJACENT SURFACES. PROVIDE SEALANT AND CLOSED BACKER ROD AND FILLER.
WS2	RE-BUILD UPPER PORTION OF WALL. REFER TO DETAIL 5&5A/A430.
WS3	CLEAN ENTIRE MASONRY SURFACE BY PRESSURE WASHING. PRESSURE WASH WITH DETERGENT. PROTECT ALL EXISTING ADJACENT SURFACES. SEAL ALL MASONRY SURFACES WITH COLORLESS PENETRATING MASONRY SEALER. REFER TO SPECIFICATIONS. (ALTERNATE BY FACADE).
WS4	REMOVE AND REPLACE DAMAGED BRICK.
WS5	REPOINT 100% OF EXISTING MASONRY JOINTS. SEE DETAIL 4/A430.
WS6	REMOVE ALL PLANT GROWTH.
WS7	REMOVE AND RESET GUTTER.
WS8	CLEAN BRICK.
WS9	SCRAPE AND PAINT STEEL LINTEL.
WS10	REBUILD PART OF THE BRICK WALL TO THE EXTEND SHOWN ON PICTURE.
WS11	REMOVE EXISTING SCUPPER. PROVIDE NEW LEADER AND SPLASH BLOCK.
WS12	CLEAN AND PAINT SOFFIT.
WS13	REMOVE AND REPLACE ALL WINDOW SEALANTS AND CLEAR CLOGGED WEEPS (ALTERNATE BY FACADE).

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LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:

00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

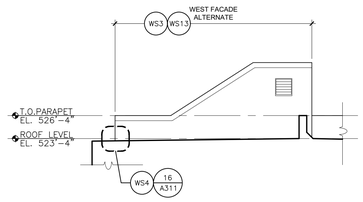
DRAWING TITLE
EXTERIOR ELEVATIONS
EAST AND SOUTH

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE 30"x42"
DRAWING NO. A301
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 10:05am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A300-301.dwg

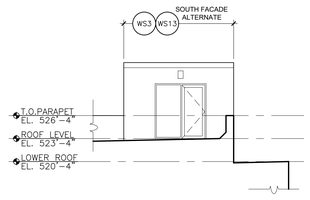


STAIR A
PARTIAL WEST ELEVATION

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

0 2' 4' 8' 16' 32'

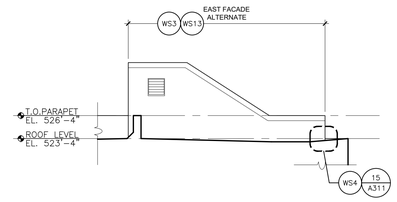
NOTES:
1. ALTERNATE №. 1 – CLEAN, PRESSURE WASH AND SEAL ENTIRE WEST ELEVATION. REMOVE AND REPLACE ALL WINDOWS SEALANTS AND CLEAR CLOGGED WEEP HOLES.
2. BASE BID – ALL OTHER WORK INDICATED IS BASE BID.



STAIR A PARTIAL
SOUTH ELEVATION - ALT No.4

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

0 2' 4' 8' 16' 32'

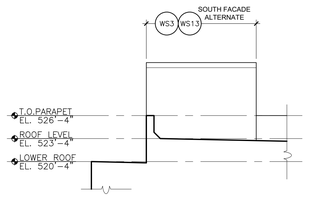


STAIR B
PARTIAL EAST ELEVATION

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

0 2' 4' 8' 16' 32'

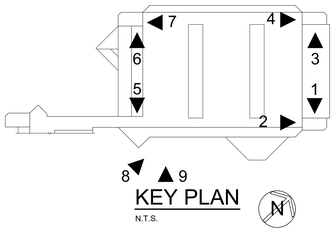
NOTES:
1. ALTERNATE №. 3 – CLEAN, PRESSURE WASH AND SEAL ENTIRE WEST ELEVATION. REMOVE AND REPLACE ALL WINDOWS SEALANTS AND CLEAR CLOGGED WEEP HOLES.
2. BASE BID – ALL OTHER WORK INDICATED IS BASE BID.



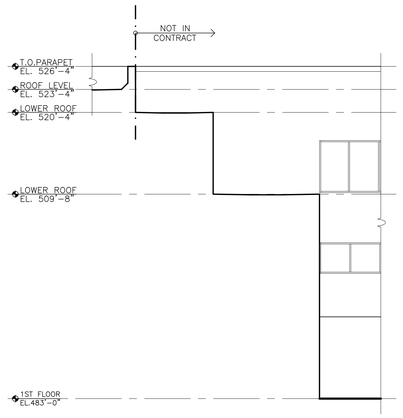
STAIR B PARTIAL
SOUTH ELEVATION - ALT No.4

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

0 2' 4' 8' 16' 32'



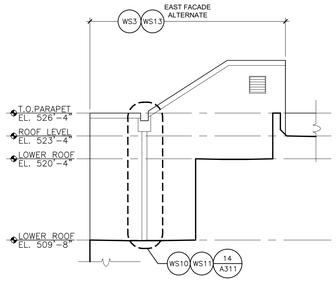
KEY PLAN
N.T.S.



PARTIAL WEST ELEVATION - ALT No.1

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

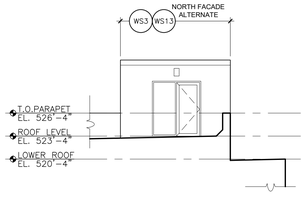
0 2' 4' 8' 16' 32'



STAIR C
PARTIAL EAST ELEVATION

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

0 2' 4' 8' 16' 32'

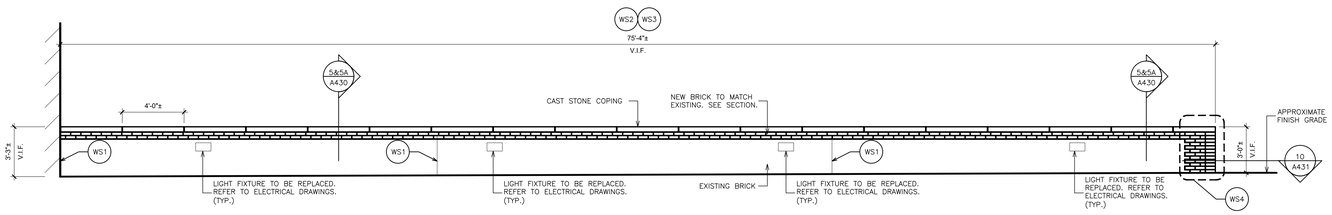


STAIR C PARTIAL
NORTH ELEVATION - ALT No.2

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

0 2' 4' 8' 16' 32'

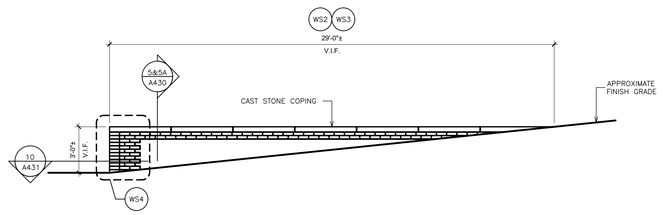
NOTES:
1. ALTERNATE №. 3 – CLEAN, PRESSURE WASH AND SEAL ENTIRE WEST ELEVATION. REMOVE AND REPLACE ALL WINDOWS SEALANTS AND CLEAR CLOGGED WEEP HOLES.
2. BASE BID – ALL OTHER WORK INDICATED IS BASE BID.



RETAINING WALL PARTIAL
NORTH ELEVATION - BASE BID

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

0 2' 4' 8' 16'



RETAINING WALL PARTIAL
NORTHWEST ELEVATION - BASE BID

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

0 2' 4' 8' 16'

MASONRY WORK SCOPE NOTES

- WS1 REMOVE EXISTING SEALANT JOINT, BACKER ROD AND FILLER MATERIALS. CLEAN RESIDUE FROM EXISTING ADJACENT SURFACES. PROVIDE SEALANT AND CLOSED BACKER ROD AND FILLER.
- WS2 RE-BUILD UPPER PORTION OF WALL. REFER TO DETAIL 5&5A/A430.
- WS3 CLEAN ENTIRE MASONRY SURFACE BY PRESSURE WASHING. PRESSURE WASH WITH DETERGENT. PROTECT ALL EXISTING ADJACENT SURFACES. SEAL ALL MASONRY SURFACES WITH COLORLESS PENETRATING MASONRY SEALER. REFER TO SPECIFICATIONS. (ALTERNATE BY FACADE).
- WS4 REMOVE AND REPLACE DAMAGED BRICK.
- WS5 REPOINT 100% OF EXISTING MASONRY JOINTS. SEE DETAIL 4/A430.
- WS6 REMOVE ALL PLANT GROWTH.
- WS7 REMOVE AND RESET GUTTER.
- WS8 CLEAN BRICK.
- WS9 SCRAPE AND PAINT STEEL LINTEL.
- WS10 REBUILD PART OF THE BRICK WALL TO THE EXTEND SHOWN ON PICTURE.
- WS11 REMOVE EXISTING SCUPPER. PROVIDE NEW LEADER AND SPLASH BLOCK.
- WS12 CLEAN AND PAINT SOFFIT.
- WS13 REMOVE AND REPLACE ALL WINDOW SEALANTS AND CLEAR CLOGGED WEEPS (ALTERNATE BY FACADE).

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LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:

00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

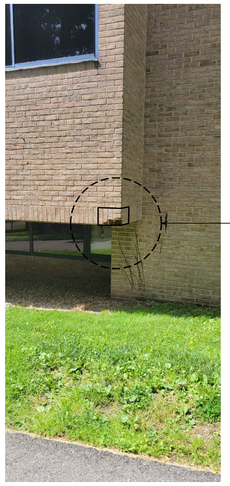
DRAWING TITLE
PARTIAL EXTERIOR ELEVATIONS

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

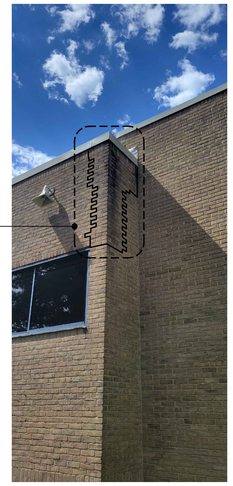
SHEET SIZE 30"x42"	DRAWING NO. A302
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 10:06am

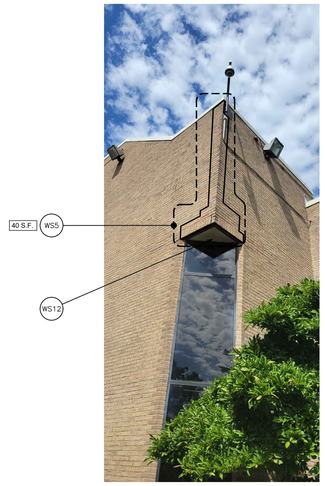
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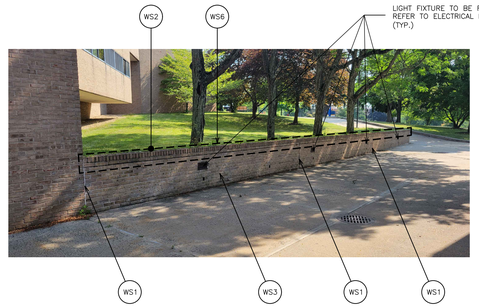
1 PHOTO
SCALE: N.T.S.



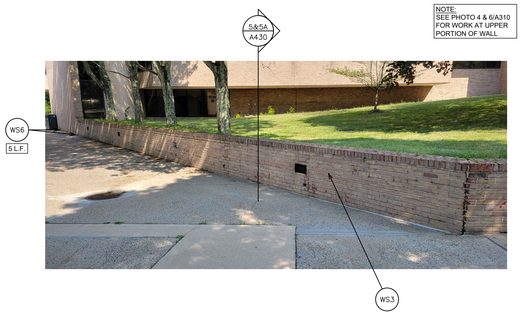
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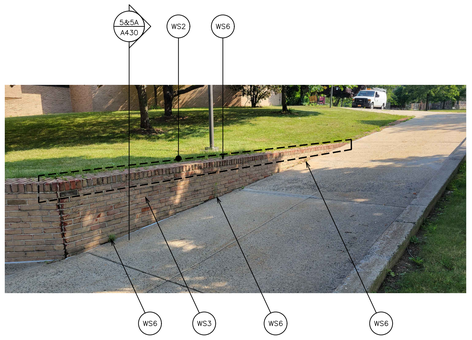
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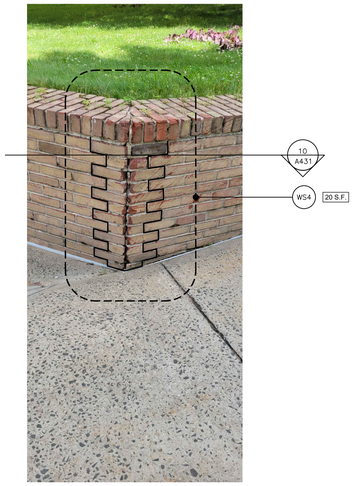
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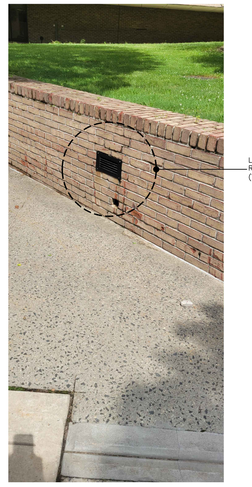
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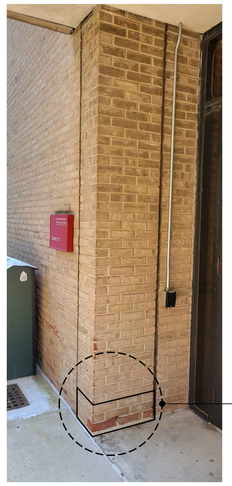
7 PHOTO
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8 PHOTO
SCALE: N.T.S.



9 PHOTO
SCALE: N.T.S.



10 PHOTO
SCALE: N.T.S.



11 PHOTO
SCALE: N.T.S.

MASONRY WORK SCOPE NOTES

- WS1 — REMOVE EXISTING SEALANT JOINT, BACKER ROD AND FILLER MATERIALS. CLEAN RESIDUE FROM EXISTING ADJACENT SURFACES. PROVIDE SEALANT AND CLOSED BACKER ROD AND FILLER.
- WS2 — RE-BUILD UPPER PORTION OF WALL. REFER TO DETAIL 5&5A/A430.
- WS3 — CLEAN ENTIRE MASONRY SURFACE BY PRESSURE WASHING. PRESSURE WASH WITH DETERGENT. PROTECT ALL EXISTING ADJACENT SURFACES. SEAL ALL MASONRY SURFACES WITH COLORLESS PENETRATING MASONRY SEALER. REFER TO SPECIFICATIONS. (ALTERNATE BY FACADE).
- WS4 — REMOVE AND REPLACE DAMAGED BRICK.
- WS5 — REPOINT 100% OF EXISTING MASONRY JOINTS. SEE DETAIL 4/A430.
- WS6 — REMOVE ALL PLANT GROWTH.
- WS7 — REMOVE AND RESET GUTTER.
- WS8 — CLEAN BRICK.
- WS9 — SCRAPE AND PAINT STEEL LINTEL.
- WS10 — REBUILD PART OF THE BRICK WALL TO THE EXTEND SHOWN ON PICTURE.
- WS11 — REMOVE EXISTING SCUPPER. PROVIDE NEW LEADER AND SPLASH BLOCK.
- WS12 — CLEAN AND PAINT SOFFIT.
- WS13 — REMOVE AND REPLACE ALL WINDOW SEALANTS AND CLEAR CLOGGED WEEPS (ALTERNATE BY FACADE).

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REGISTERED ARCHITECT
JOSEPH FRANCIS D'ANGELO III
No. 023442
STATE OF NEW YORK

LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

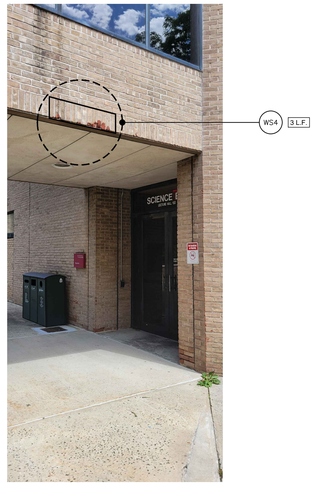
DRAWING TITLE
MASONRY PHOTOGRAPHS

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

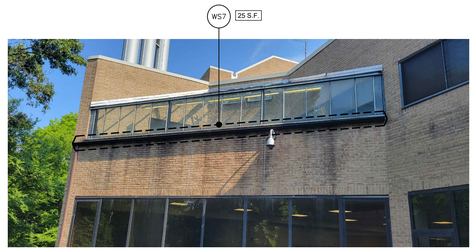
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PLOT DATE: March 21, 2026 - 10:07am

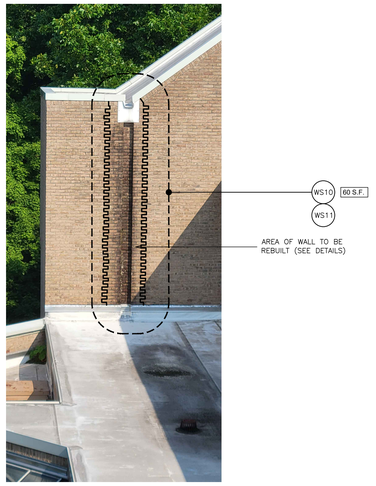
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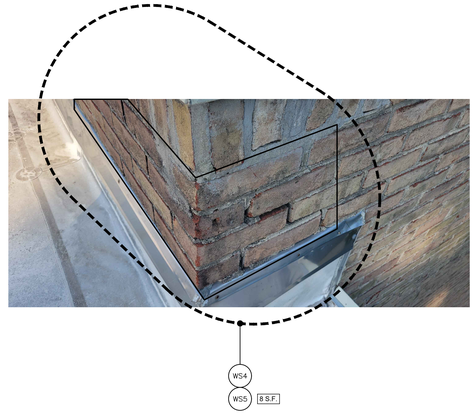
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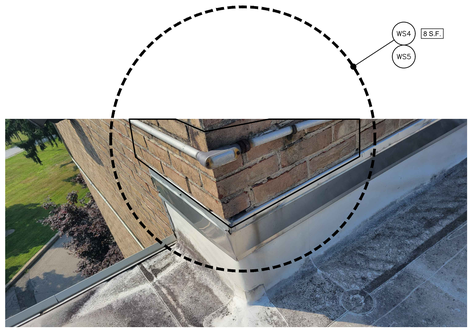
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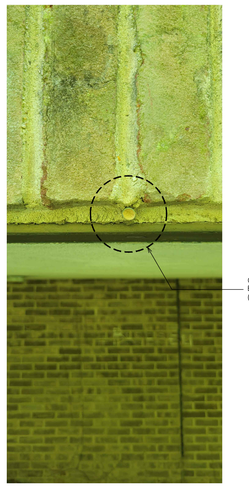
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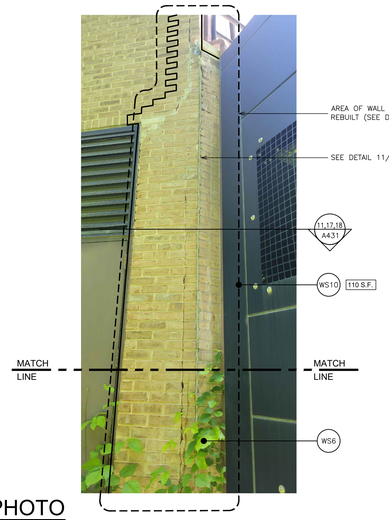
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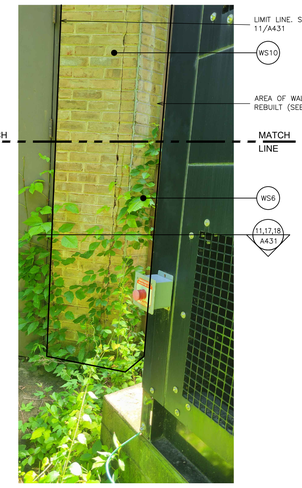
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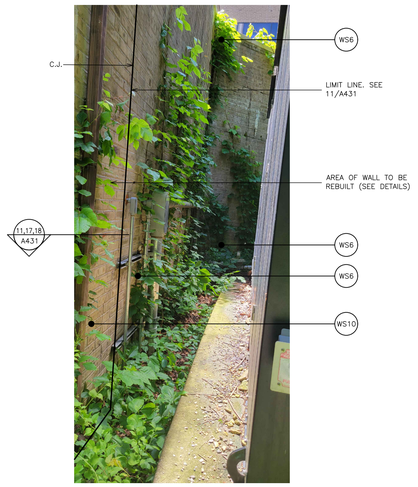


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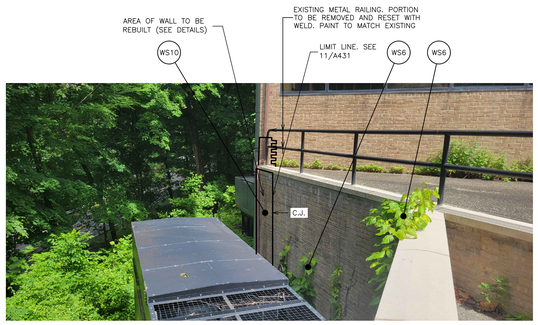


18 PHOTO
SCALE: N.T.S.





19 PHOTO
SCALE: N.T.S.



20 PHOTO
SCALE: N.T.S.

MASONRY WORK SCOPE NOTES

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REGISTERED ARCHITECT
JOSEPH FRANCIS D'ANGELO
No. 023442
STATE OF NEW YORK

LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

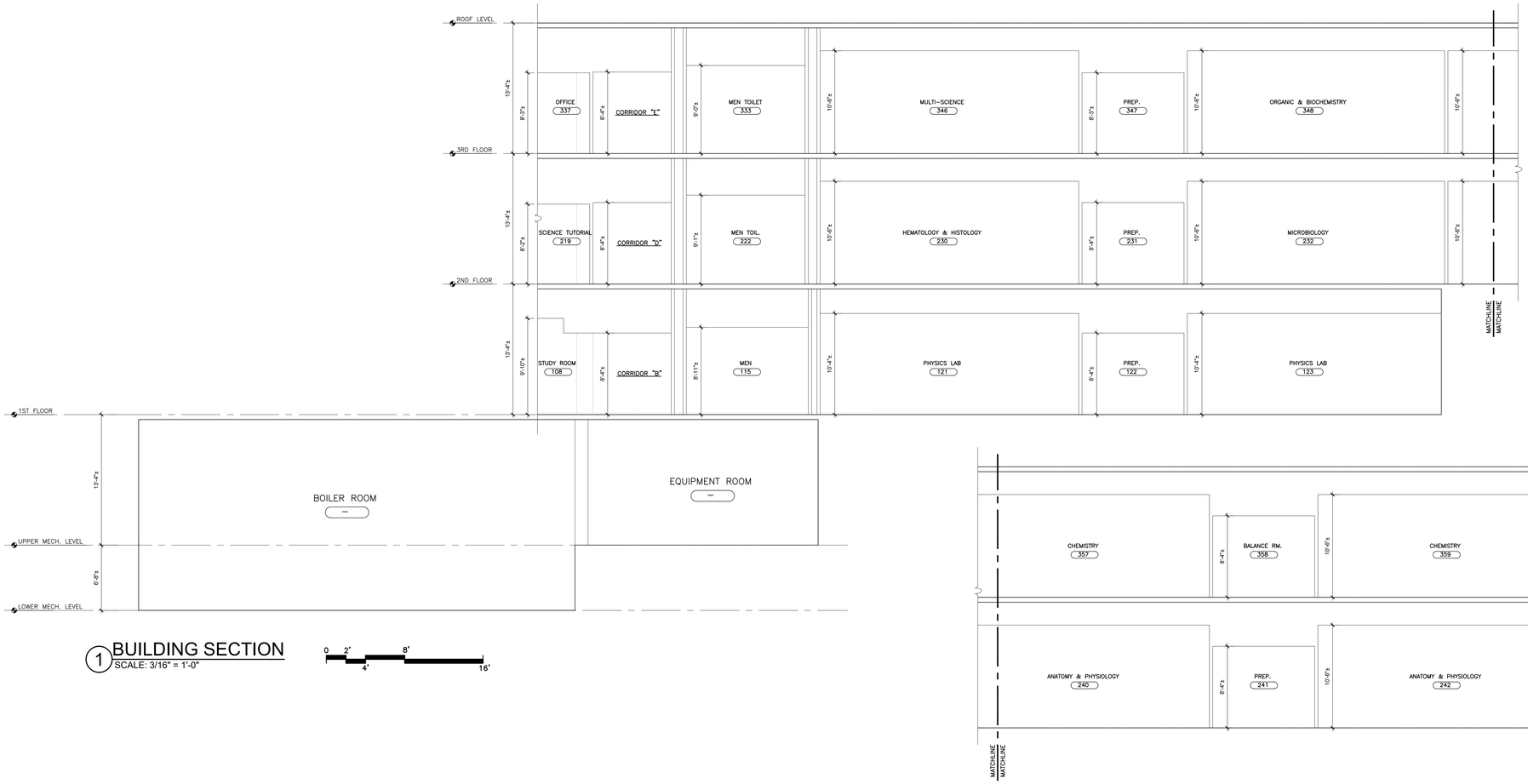
DRAWING TITLE
MASONRY PHOTOGRAPHS

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE 30"x42"
DRAWING NO. A311
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 24522.00

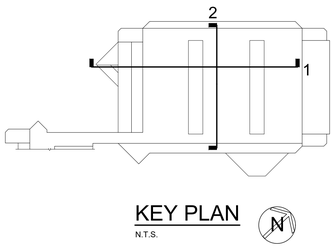
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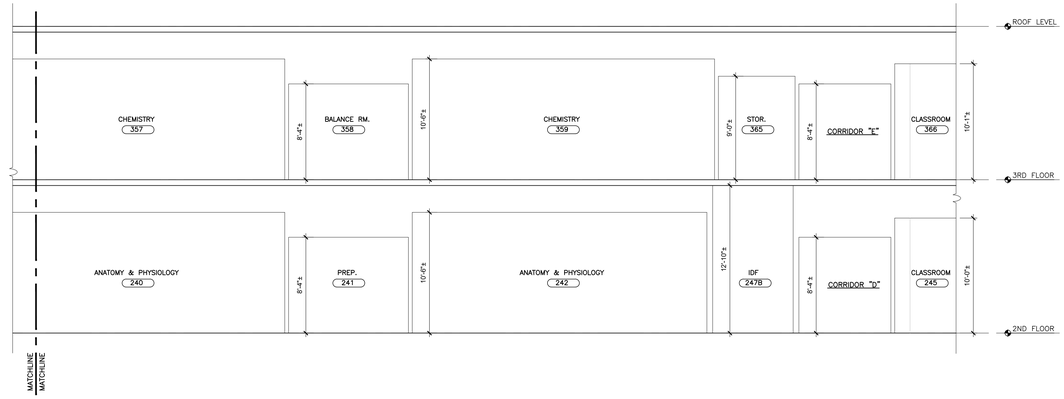


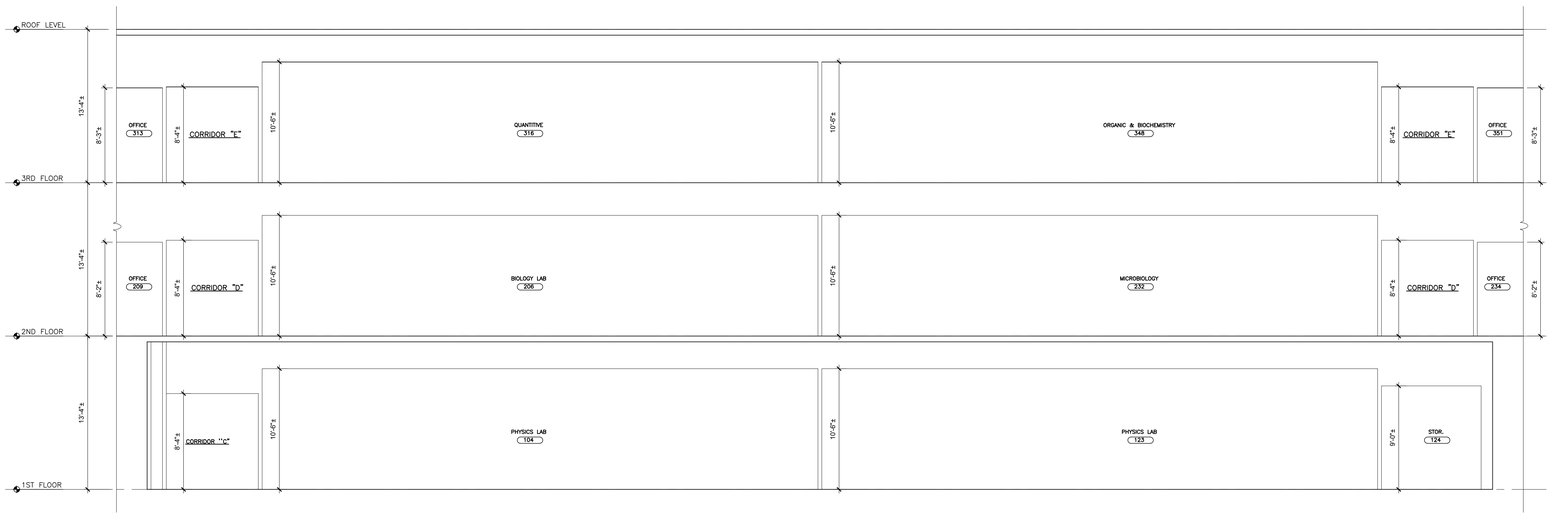
1 BUILDING SECTION
SCALE: 3/16" = 1'-0"

0 2' 8'
4' 16'



KEY PLAN
N.T.S.





2 BUILDING SECTION
SCALE: 3/16" = 1'-0"

0 2' 8'
4' 16'

NOTES:
1. THIS DRAWING IS PROVIDED FOR GENERAL REFERENCE. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS.

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No. 023442
STATE OF NEW YORK

LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

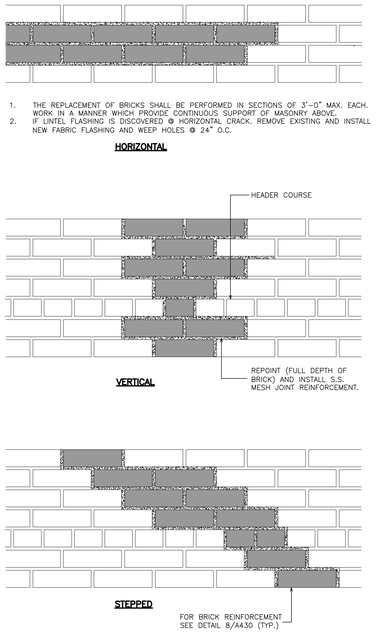
DRAWING TITLE
BUILDING SECTIONS

DATE	ISSUED TO
03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD

SHEET SIZE: 30"x42"
DRAWING NO.: A400
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 24522.00

PLOT DATE: March 21, 2026 - 10:08am

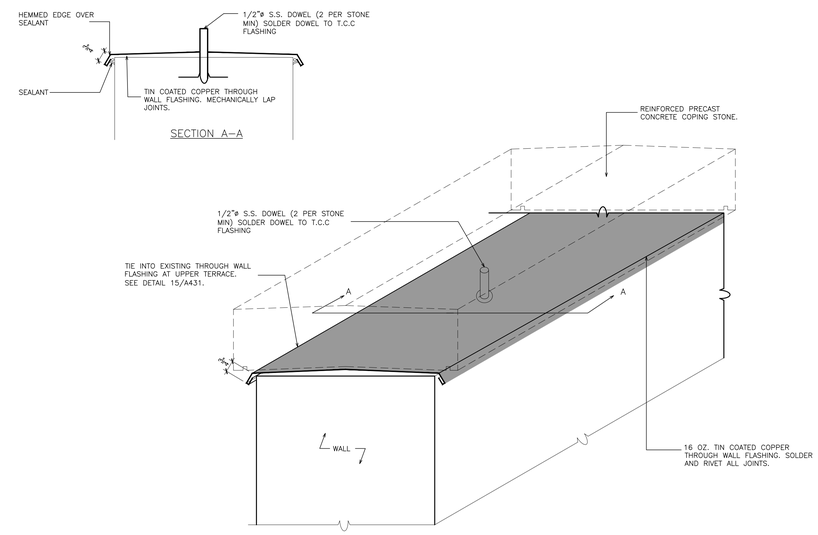
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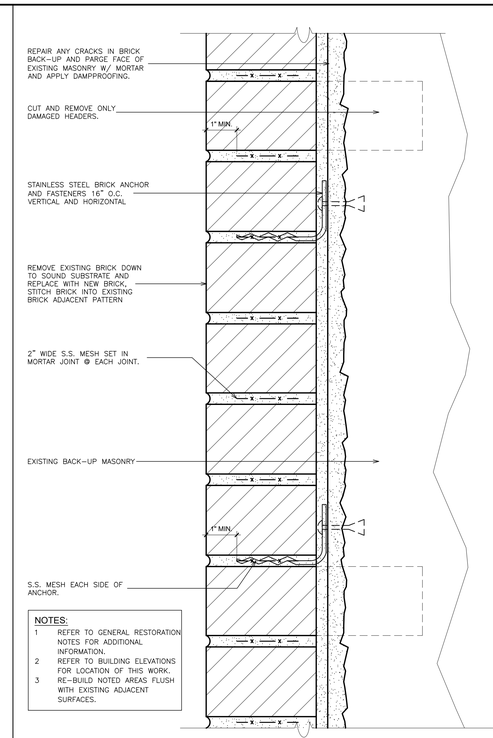
1. THE REPLACEMENT OF BRICKS SHALL BE PERFORMED IN SECTIONS OF 3'-0" MAX. EACH. WORK IN A MANNER WHICH PROVIDE CONTINUOUS SUPPORT OF MASONRY ABOVE.
2. IF LINTEL FLASHING IS DISCOVERED @ HORIZONTAL CRACK, REMOVE EXISTING AND INSTALL NEW FABRIC FLASHING AND WEEP HOLES @ 24" O.C.

NOTES:
1. LINE OF CRACK SHOWN DIAGRAMATICALLY TO ESTABLISH RELATIONSHIP BETWEEN CRACK PATTERN AND REQUIRED RECONSTRUCTION OF SURROUNDING BRICK.
2. REPLACE HATCHED BRICKS WITH NEW BRICKS PER REPLACEMENT DETAIL.
3. DO NOT REPLACE HEADER BRICKS IF NOT CRACKED.
4. PATCH ALL CRACKS IN BRICK BEHIND FACE BRICK W/ MORTAR.

1 DETAIL - BRICK STITCHING PATTERNS
SCALE: 1 1/2" = 1'-0"



2 DETAIL - TYP. THROUGH WALL COPING FLASHING
SCALE: 3" = 1'-0"



NOTES:
1 REFER TO GENERAL RESTORATION NOTES FOR ADDITIONAL INFORMATION.
2 REFER TO BUILDING ELEVATIONS FOR LOCATION OF THIS WORK.
3 RE–BUILD NOTED AREAS FLUSH WITH EXISTING ADJACENT SURFACES.

8 DETAIL- BRICK REPLACEMENT @ CRACKED AREAS
SCALE: 6" = 1'-0"

GENERAL RESTORATION NOTES

RE-POINTING

1. RAKE OUT ALL EXISTING JOINTS TO BE REPOINTED. POINTING MORTAR SHALL BE DRIVEN INTO THE JOINT AND STRUCK WITH A JOINTING TOOL. JOINTS TO BE CONCAVE.
2. POINT JOINTS AFTER PATCHING OF CAST STONE AND BEFORE FINAL WASH DOWN.
3. PERFORM POINTING IN STAGES.
4. REEFER TO SPECIFICATIONS FOR MORTAR TYPE, COLOR AND MOCKUP REQUIREMENTS. RE–POINTING MORTAR SHALL MATCH ORIGINAL MORTAR IN COLOR, TEXTURE, AND TOOLING. FIELD BLENDED MORTAR NOT ACCEPTABLE.
5. RAKE OUT 1/4" OF EXISTING JOINTS TO BE TUCK POINTED.

BRICK REPLACEMENT

1. ALL CRACKED, LOOSE & SPALLED BRICK TO BE REMOVED, ALL LOOSE OR DETERIORATED SEALANTS TO BE REMOVED, ALL PLANT GROWTH TO BE REMOVED.
2. REMOVED EXISTING BRICK TO BE REPLACED WITH NEW BRICK. DO NOT REPLACE HEADER BRICK IF NOT DAMAGED. MATCH EXISTING PROFILES AND DIMENSIONS BEING REPLACED.
3. NEW BRICK SHALL BE TOOTHED INTO EXISTING UNLESS A JOINT IS INDICATED.
4. INSTALL WALL ANCHORS @ 16" O.C. VERTICAL AND HORIZONTAL MIN. FIELD VERIFY WITH EXISTING METAL STUD FRAMING.
5. INSTALL S.S. MESH JOINT REINFORCEMENT AT EACH JOINT AND EXTEND 8" INTO EXISTING BRICK.
6. PROVIDE TUBE WEEPS AT ALL FLASHING, MINIMUM 24" O.C.

LINTEL REPLACEMENT / REFURBISHMENT

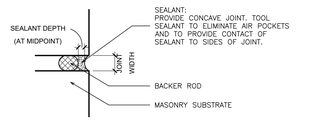
1. REMOVE EXISTING SHELF ANGLE(S). **FOR ALL LEAD BASED PAINT REMOVAL AND DISPOSAL REFER TO ABATEMENT DRAWINGS AND SPECIFICATIONS.** REPLACE WITH NEW HOT DIPPED GALVANIZED STEEL. PROFILE(S) TO MATCH EXISTING. UNLESS OTHERWISE NOTED. PAINT COLOR AS SELECTED BY ARCHITECT.
2. PROVIDE MINIMUM 6" BEARING AT EACH SIDE OF ANGLE(S).
3. REMOVE EXISTING FLASHING AND SEALANTS, **FOR ALL LEAD BASED PAINT REMOVAL AND DISPOSAL REFER TO ABATEMENT DRAWINGS AND SPECIFICATIONS. FOR ALL ASBESTOS REMOVAL AND DISPOSAL REFER TO ABATEMENT DRAWINGS AND SPECIFICATIONS**, INSTALL NEW FLASHING AND WEEP HOLES PER DETAILS.
4. EXISTING LINTELS TO REMAIN SHALL BE SCRAPED, PRIMED AND PAINTED. **FOR ALL LEAD BASED PAINT REMOVAL AND DISPOSAL REFER TO ABATEMENT DRAWINGS AND SPECIFICATIONS.** COLOR AS SELECTED BY ARCHITECT.

MASONRY / CAST STONE CLEANING

1. REFER TO BUILDING ELEVATIONS FOR EXTENT OF WORK.
2. REFER TO SPECIFICATIONS FOR MOCK–UP REQUIREMENTS.
3. FOLLOW ALL SAFETY PRE–CAUTIONS RECOMMENDED BY THE CLEANING PRODUCT MANUFACTURER.
4. PROTECT ALL AREAS NOT SET FOR CLEANING.
5. COMPLY WITH COLD WEATHER PRE–CAUTIONS OF PRODUCTS BEING USED.

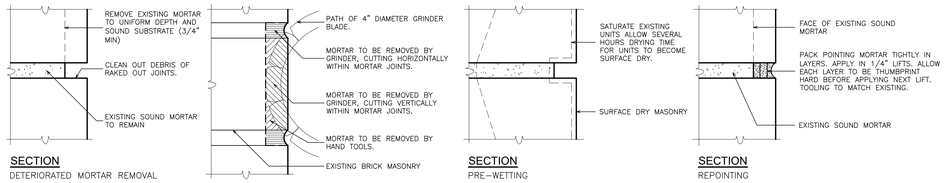
QUALITY CONTROL

1. REFER TO SPECIFICATIONS FOR TESTING AND INSPECTION REQUIREMENTS.



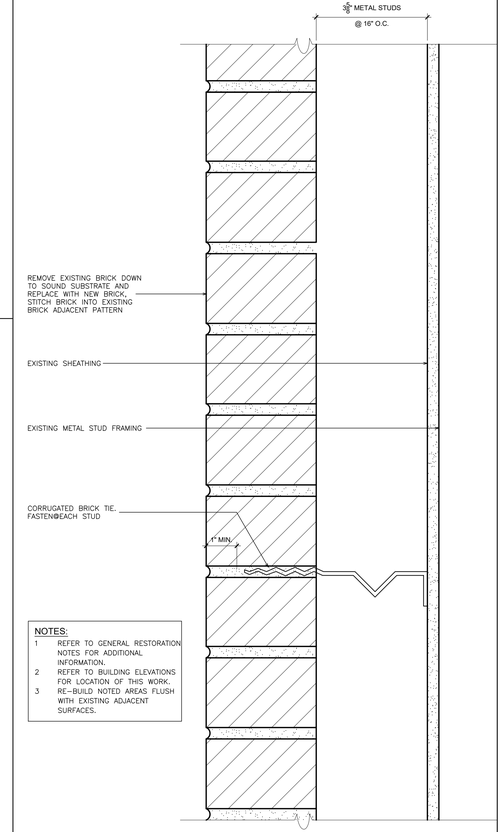
JOINT WIDTH	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"
SEALANT DEPTH	1/4"	1/4"	1/4"	1/4"–3/8"	3/8"–1/2"	3/8"–1/2"	3/8"–1/2"	1/2"	1/2"
BACKER ROD DIAMETER	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/4"	1 1/2"	2"

3 SEALANT JOINTS
SCALE: N.T.S.



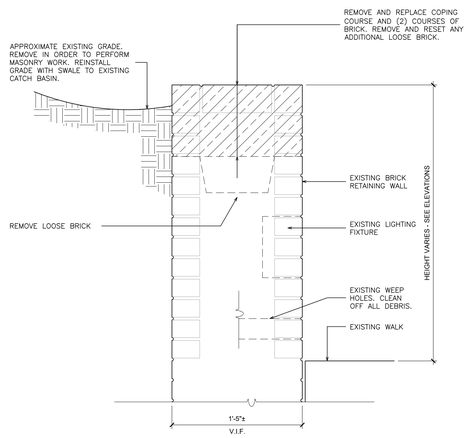
NOTES:
1. OPTIONAL CARBIDE TIPPED DIE GRINDER MAY BE USED IN LIEU OF OR IN CONJUNCTION WITH CIRCULAR GRINDER.
2. PROVIDE VACUUM ATTACHMENT FOR ALL GRINDING EQUIPMENT FOR DUST CONTROL PURPOSES.

4 DETAILS - MASONRY REPOINTING
SCALE: N.T.S.

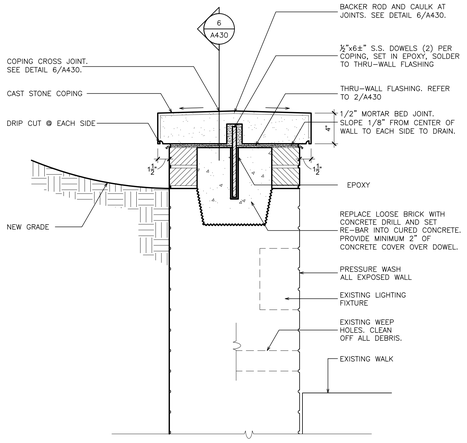


NOTES:
1 REFER TO GENERAL RESTORATION NOTES FOR ADDITIONAL INFORMATION.
2 REFER TO BUILDING ELEVATIONS FOR LOCATION OF THIS WORK.
3 RE–BUILD NOTED AREAS FLUSH WITH EXISTING ADJACENT SURFACES.

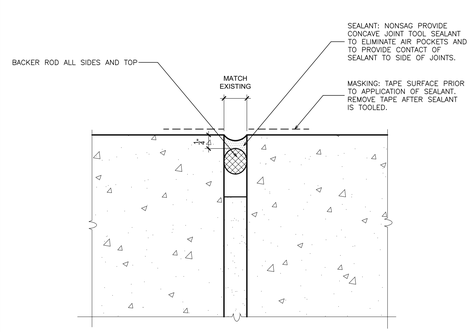
7 DETAIL - BRICK REPLACEMENT
SCALE: 6" = 1'-0"



5 DETAIL - EXISTING/REMOVALS @ RETAINING WALL
SCALE: 1 1/2" = 1'-0"



5A DETAIL - RETAINING WALL REPAIRS
SCALE: 1 1/2" = 1'-0"



6 DETAIL - TYPICAL NEW SEALANT COPING STONE
SCALE: N.T.S.

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LICENSE EXP. DATE: 03-31-2028

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
MASONRY DETAILS, LEADER AND FLASHING DETAILS, NOTES AND GENERAL RESTORATION NOTES

03-27-2026	BID
08-16-2024	ISSUE FOR 95% CD
DATE	ISSUED TO

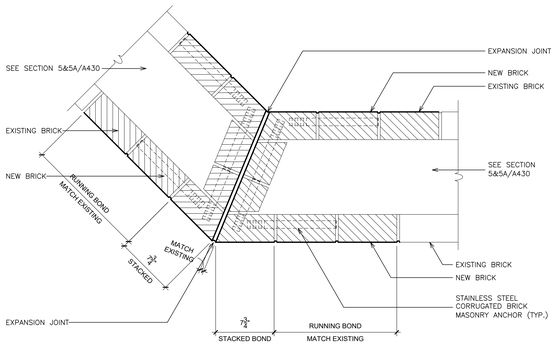
SHEET SIZE 30"x42" | DRAWING NO. A430
SCALE AS NOTED
DRAWN BY F & D | FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 10:10am

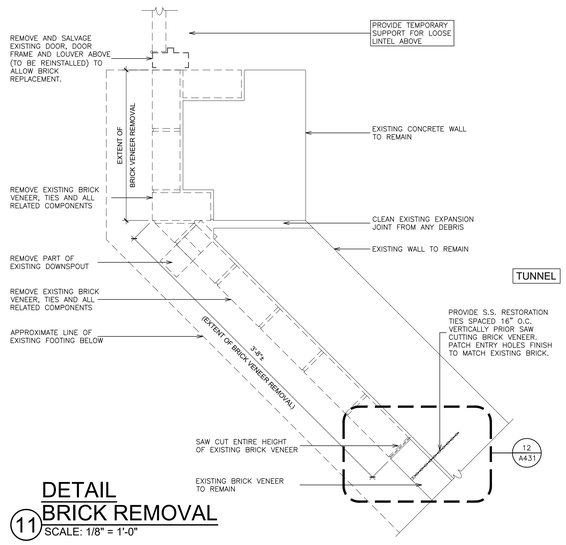
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NOT USED

9

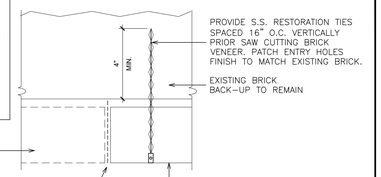


10 DETAIL CONCRETE CORNER AND EXPANSION JOINT
SCALE: 1/8" = 1'-0"

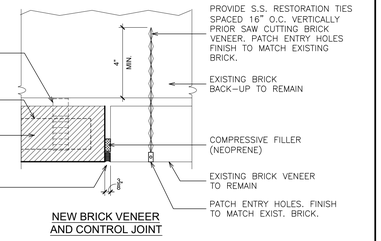


11 DETAIL BRICK REMOVAL
SCALE: 1/8" = 1'-0"

NOTES:
1. DRILL PILOT HOLES IN MORTAR JOINTS AT THE APPROXIMATE CENTER POINT OF THE BRICK (NOT AT "T" JOINTS OR ENDS).
2. ANCHOR LENGTH TO BE DETERMINED BY NUMBER OR MULTIPLE WYTHES TO BE ANCHOR AND MINIMUM 4" BRICK EMBEDMENT.
3. RECESS WALL TIE APPROXIMATELY 3/8" FROM SURFACE.
4. MINIMUM ANCHOR SPACING 16" O.C. UNLESS FIELD CONDITIONS DICTATE OTHERWISE.



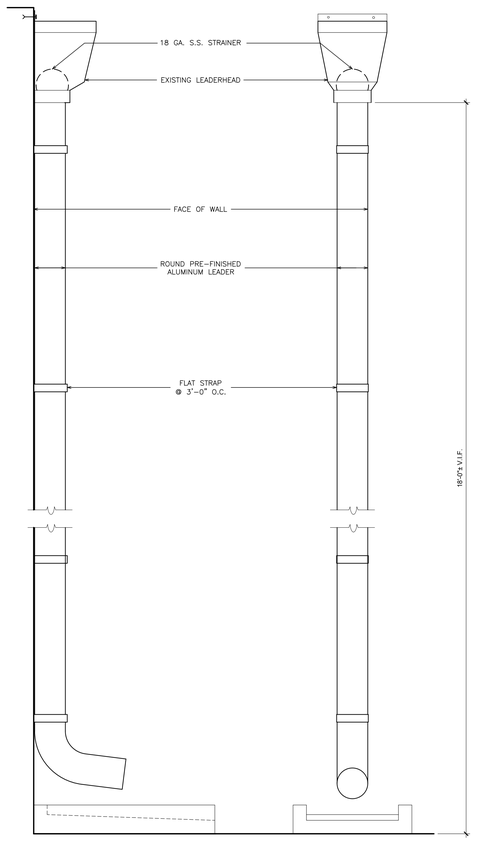
BRICK VENEER REMOVAL



NEW BRICK VENEER AND CONTROL JOINT

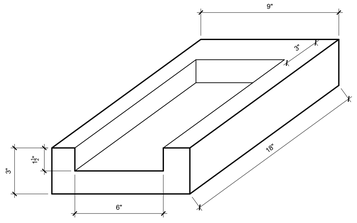
12 DETAIL- CONTROL JOINT
SCALE: 3" = 1'-0"

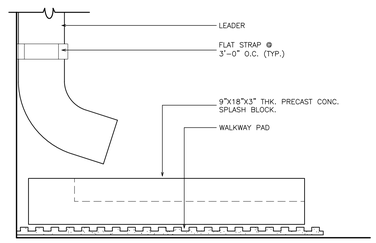
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SIDE VIEW FRONT VIEW

13 DETAILS - LEADER AND SPLASH BLOCK
SCALE: N.T.S.





NOTES:

DOWNSPOUT:

.050 INCH THICK 5 INCH DIAMETER ALUMINUM LEADER FACTORY FINISHED WITH HIGH PERFORMANCE COATING. ANCHORS AND SUPPORTS PROFILED TO DOWNSPOUT. FORM DOWNSPOUT TO PROFILE AND SIZE INDICATED. HEM EXPOSED EDGES AND SEAL WATERTIGHT
FINISH : FLOUROPOLYMER COATING, HIGH PERFORMANCE ORGANIC FINISH, MULTIPLE COATS, THERMALLY CURED.

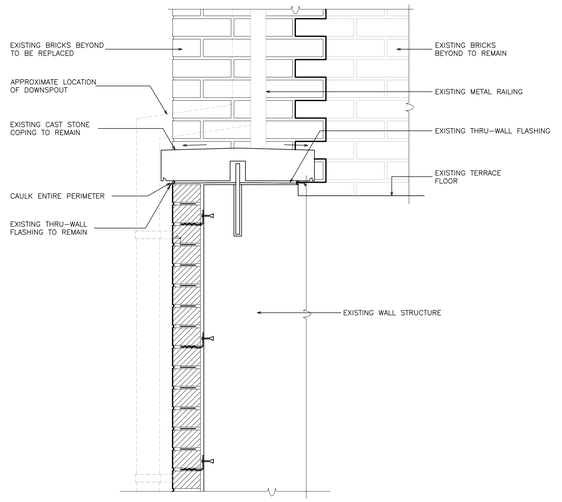
ZINK-TIN COATED COPPER:

COATED ON BOTH SIDES
16 OUNCES PER SQUARE FOOT (FREEDOM GRAY COPPER BY REVERE OR EQUAL) LEAD FREE/OR PURE TIN (NUMBER 497 BY JOHSON MANUFACTURING OR EQUAL)

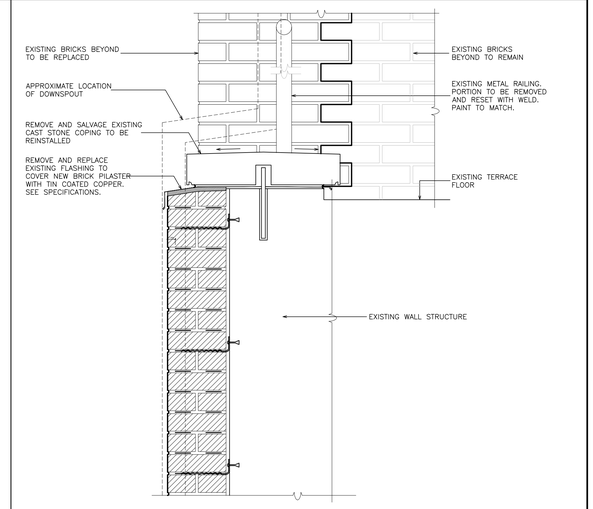
CONCRETE SPLASH BLOCK:

5,000 PSI CONCRETE, SIZE 12"X 24"X2 5/8" (AS MANUFACTURED BY HANOVER ARCHITECTURAL PRODUCTS OR EQUAL). SET ON 30"X30" HARD RUBBER BLACK WALKWAY PAD (AS MANUFACTURED BY FIRESTONE OR EQUAL).

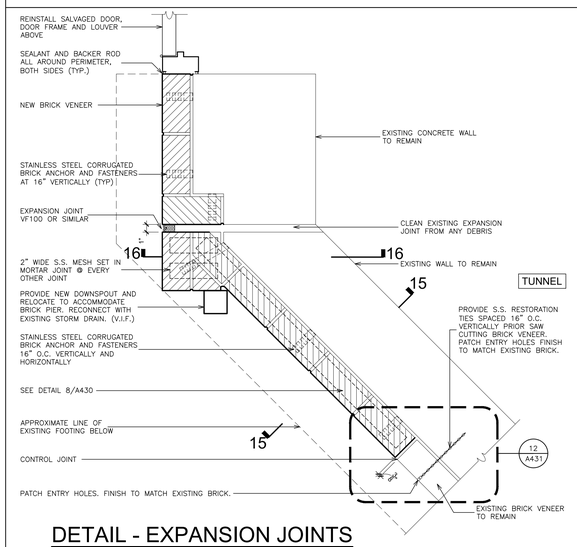
14 DETAILS - SPLASH BLOCK
SCALE: N.T.S.



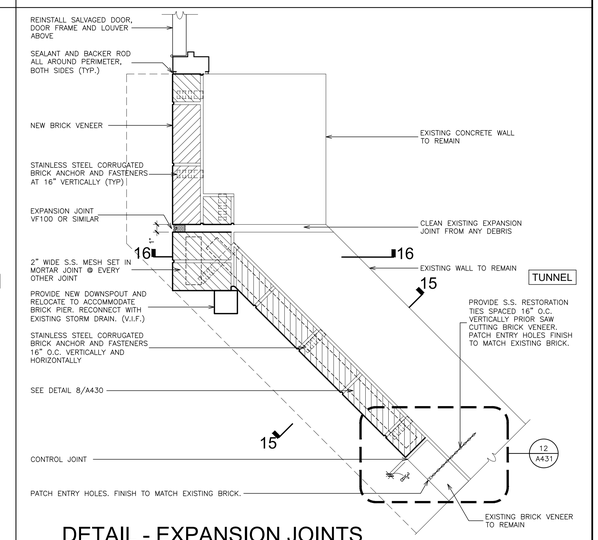
15 DETAIL - BRICK VENEER REPLACEMENT
SCALE: 1 1/2" = 1'-0"



16 DETAIL - NEW BRICK PILASTER
SCALE: 1 1/2" = 1'-0"



DETAIL - EXPANSION JOINTS AND BRICK REPLACEMENT - ODD COURSE
17
SCALE: 1/8" = 1'-0"



DETAIL - EXPANSION JOINTS AND BRICK REPLACEMENT - EVEN COURSE
18
SCALE: 1/8" = 1'-0"

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DRAWING TITLE
MISCELLANEOUS DETAILS

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SHEET SIZE 30"x42"	DRAWING NO. A431
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 24522.00

PLOT DATE: March 21, 2026 - 10:10am

FILE: I:\24522.00 - WCC Science Building Infrastructure Upgrades\DRAWINGS\CURRENT\1-F&D\24522.00-A430-A431.dwg

SYMBOL LIST

→	AIRFLOW DIRECTION
T	THERMOSTAT
x x x	PIPING TO BE REMOVED
	PIPE DROP
	PIPE RISE

ABBREVIATIONS

A	AMPERES
AC	AIR CONDITIONING
ACCU	AIR COOLED CONDENSING UNIT
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BTUH PER HOUR
COND	CONDENSATE PIPING
DB	DRY BULB
DN	DOWN
(E)	EXISTING TO REMAIN
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB TEMPERATURE
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
FLA	FULL LOAD AMPERES
IN	INCH OR INCHES
KW	KILOWATT
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LBD	LEAVING DRY BULB TEMPERATURE
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SPEC	SPECIFICATION
TEMP	TEMPERATURE
V	VOLTS

MECHANICAL DRAWING LIST

M-001	MECHANICAL ABBREVIATIONS, GENERAL NOTES, SYMBOLS LIST, PLANS, DETAILS AND SCHEDULES

MECHANICAL GENERAL NOTES

1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC. DETERMINE EXACT LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD. RELOCATE EXISTING WORK THAT INTERFERES WITH WORK OF THIS CONTRACT.
3. COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
4. DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL EXCEPT IN WAY OF STRUCTURAL STEEL, DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
5. NEITHER ACCURACY NOR COMPLETENESS OF SERVICES AND UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING SERVICES AND UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
6. PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURER'S REQUIREMENTS.
7. PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES SERVICE OR MAINTENANCE.
8. PROVIDE HANGERS, ANCHORS, INSERTS, SUPPLEMENTAL STEEL, AND SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING, AND EQUIPMENT FROM STRUCTURE.
9. RUN PIPING CONCEALED WITHIN WALLS, CEILINGS, OR SOFFITS, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS. COORDINATE ROUTING WITH ARCHITECT AND CONSTRUCTION METHODS.
10. INSTALL THERMOSTATS 4'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE DIRECTED BY ARCHITECT.
11. SPECIFICATIONS ARE PART OF THESE DOCUMENTS AND SCOPE OF WORK.
12. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.
13. PROVIDE 36" CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL PANELS PER N.E.C. AND MFG. REQUIREMENTS.
14. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURERS RECOMMENDATIONS.

MECHANICAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF HVAC WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER/ENGINEER.
2. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE TO FUNCTIONING HVAC SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
3. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
4. THE CONTRACTOR SHALL REMOVE ALL DUCT SUPPORTS FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS AS NECESSARY.
5. PORTIONS OF PIPING AND DUCTWORK TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED.
6. THE CONTRACTOR SHALL NOTIFY THE OWNER, AT THE APPROPRIATE TIME, OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
7. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE HVAC CONTRACTOR, AS DIRECTED BY THE OWNER.
8. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVERTIME IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
9. THE SHUTDOWN OF EXISTING BUILDING HVAC SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.
10. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS REGARDING DISPOSAL OR REFRIGERANTS.

INDOOR VRF FAN COIL UNIT SCHEDULE

TAG	SERVICE	NOMINAL HEATING CAPACITY (BTU/H)	NOMINAL COOLING CAPACITY (BTU/H)	CFM (LO-MED-HI)	ELECTRICAL DATA				MANUFACTURER AND MODEL	NOTES
					VOLTAGE	PHASE	MCA (AMPS)	MOP (AMPS)		
AC-1	MECHANICAL HEATING	40,000	36,000	705-810-920	208	1	1	–	MISTUBISHI PUZ-A36NKA7	1-2

NOTES:
1. OUTDOOR UNIT SHALL POWER INDOOR UNIT.
2. PROVIDE WITH FULLY PROGRAMMABLE 7-DAY THERMOSTAT WITH AUTOSETBACK AND CHANGEOVER, MICROBLUE CONDENSATE PUMP MODEL X85-003 AND DRAIN PAN LEAK SENSOR MODEL SS610E.

OUTDOOR VRF HEAT PUMP SCHEDULE

TAG	LOCATION	SERVICE	NOMINAL HEATING CAPACITY (BTU/H)	NOMINAL COOLING CAPACITY (BTU/H)	COP/HSPF2	SEER2	ELECTRICAL DATA				WEIGHT	MANUFACTURER AND MODEL	NOTES
							VOLTAGE	PHASE	FLA (AMPS)	MOP (AMPS)			
ACCU-1	SECOND FLOOR ROOF	SEE PLANS	40,000	36,000	4.52/8.4	19.4	208	1	25.0	31	217	MISTUBISHI PKA-A36KA8	1-3

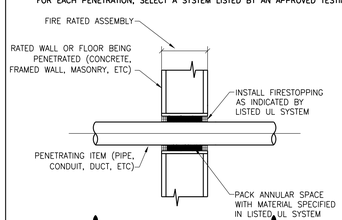
NOTES:
1. PROVIDE WITH LOW AMBIENT KIT.
2. PROVIDE WITH MOUNTING STAND AND NEOPRENE PAD FOR VIBRATION ISOLATION.
3. PROVIDE WITH FACTORY MOUNTED NON-FUSED DISCONNECT SWITCH.

GENERAL GUIDELINE FOR SELECTING APPROPRIATE FIRESTOPPING SYSTEMS:

DETERMINE SYSTEM COMPONENTS:
-TYPE OF PENETRATION (MEMBRANE OR THROUGH)
-PENETRATING ITEM
-ASSEMBLY BEING PENETRATED
-MINIMUM AND MAXIMUM ANNULAR SPACES, POINTS OF CONTACT

DETERMINE RATING REQUIREMENTS:
-F-RATING, T-RATING, L-RATING, AND W-RATING

FOR EACH PENETRATION, SELECT A SYSTEM LISTED BY AN APPROVED TESTING AGENCY (UL, FM, ETC) THAT MEETS ALL OF THE ABOVE PARAMETERS



THROUGH PENETRATION

F-RATING: THE AMOUNT OF TIME (IN HOURS) BEFORE FLAMES CAN PASS THROUGH A PENETRATION FROM THE SIDE OF A WALL OR FLOOR EXPOSED TO FLAMES TO THE UNEXPOSED SIDE

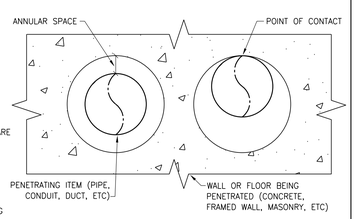
T-RATING: THE AMOUNT OF TIME (IN HOURS) BEFORE THE SURFACE OF AN ASSEMBLY AND/OR PENETRATING ITEM ON THE SIDE OF A WALL OR FLOOR NOT EXPOSED TO FLAMES RISES TO A TEMPERATURE OF 325°F

L-RATING: THE AMOUNT OF AIR/SMOKE (IN CUBIC FEET PER MINUTE PER SQUARE FOOT) THAT CAN LEAK THROUGH THE PENETRATION

W-RATING: A FIRESTOPPING PRODUCT'S ABILITY TO RESIST THE PASSAGE OF WATER THROUGH FLOOR ASSEMBLIES

REFER TO PROJECT SPECIFICATIONS FOR RATINGS AND ADDITIONAL FIRESTOPPING REQUIREMENTS

DEFINITIONS AND NOTES



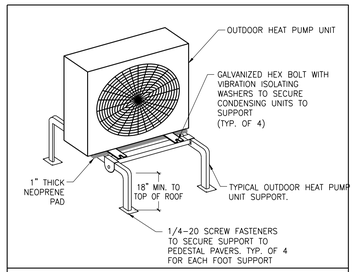
ANNULAR SPACE

FIRESTOPPING PENETRATIONS GUIDELINE

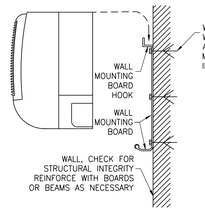
PLOT PLAN



MECHANICAL DETAILS & SCHEDULES



TYPICAL OUTDOOR UNIT SUPPORT



SIDE VIEW

WALL MOUNTED INDOOR AC UNIT SUPPORT DETAIL

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)			
	CONDUCTIVITY BTU-INCH/(H-FT²-°F)	MEAN RATING TEMPERATURE, °F	<1	1 TO < 1½	1½ TO < 4	4 TO < 8
40-60	0.21-0.27	75	0.5	0.5	1.0	1.0

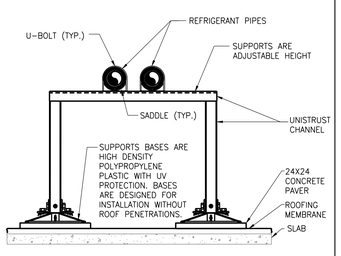
A. FOR PIPING SMALLER THAN 1-1/2" AND LOCATED IN PARTITIONS WITHIN CONDITION SPACES, REDUCTION OF THESE THICKNESSES BY 1 INCH SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B) BUT NOT TO A THICKNESS LESS THAN 1 INCH.)

B. FOR INSULATION OUTSIDE THE STATED CONDUCTIVITY RANGE, THE MINIMUM THICKNESS (T) SHALL BE DETERMINED AS FOLLOWS: $T=R\{(t/R)K/k-1\}$

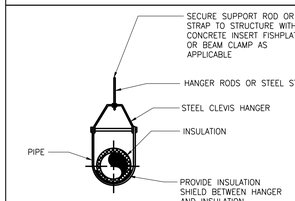
WHERE:
T = MINIMUM INSULATION THICKNESS,
R = ACTUAL OUTSIDE RADIUS OF PIPE
t = INSULATION THICKNESS LISTED IN THE TABLE FOR APPLICABLE FLUID TEMPERATURE AND PIPE SIZE.
K = CONDUCTIVITY OF ALTERNATE MATERIAL AT MEAN RATING TEMPERATURE INDICATED FOR THE APPLICABLE FLUID TEMPERATURE (BTU-in/h-FT²-°F)
k = THE UPPER VALUE OF THE CONDUCTIVITY RANGE LISTED IN THE TABLE FOR THE APPLICABLE FLUID TEMPERATURE.

C. FOR DIRECT-BURIED HEATING AND HOT WATER SYSTEM PIPING, REDUCTION OF THESE THICKNESSES BY 1-1/2 SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B BUT NOT TO A THICKNESS LESS THAN 1 INCH).

PIPING INSULATION SCHEDULE

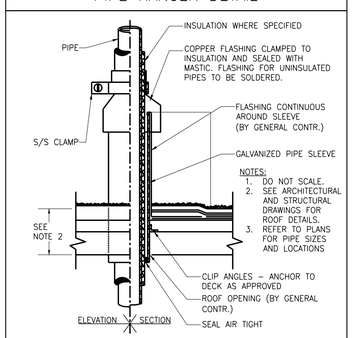


PIPING SUPPORT FROM ROOF

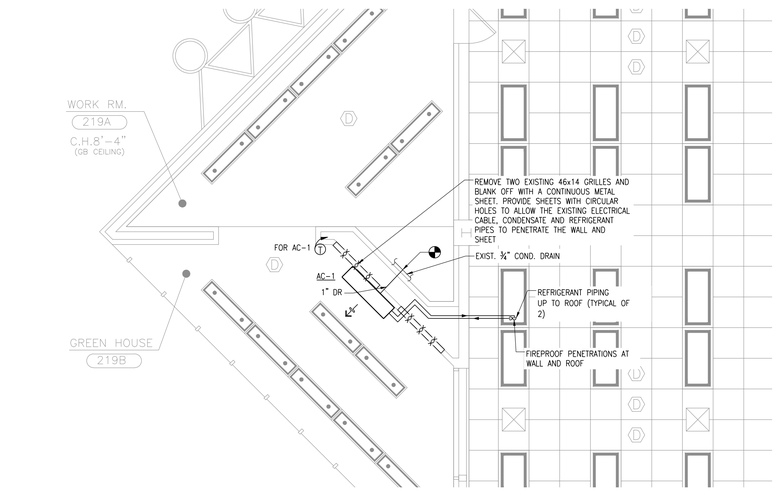


NOTES:
1. REFER TO STRUCTURE CONNECTION DETAIL FOR ATTACHMENT METHODS.
2. FOR INSULATED PIPE, PROVIDE 12" INSULATION SHIELD AT HANGER
3. WHERE STRUCTURAL SLAB DOES NOT PERMIT INSERTS, SUPPORT PIPING FROM STRUCTURE WITH AUXILIARY STEEL IF REQUIRED.

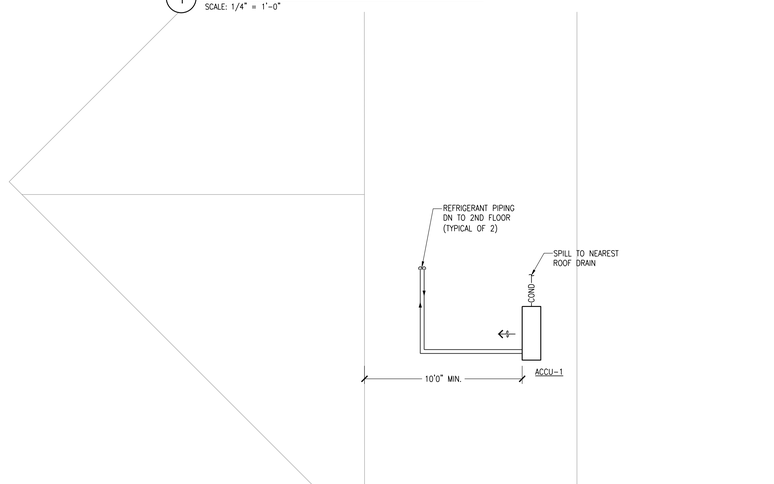
PIPE HANGER DETAIL



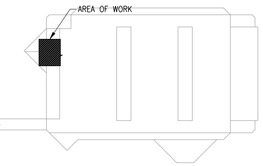
MECHANICAL PIPE PENETRATION THROUGH ROOF



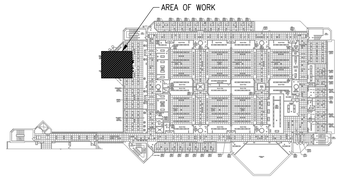
1 MECHANICAL 2ND FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 MECHANICAL 2ND FLOOR ROOF PLAN
SCALE: 1/4" = 1'-0"



3 MECHANICAL 2ND FLOOR ROOF KEY PLAN
SCALE: NTS



4 MECHANICAL 2ND FLOOR KEY PLAN
SCALE: NTS

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S.E.D. CONTROL NUMBER:
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PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
MECHANICAL ABBREVIATIONS, GENERAL NOTES, SYMBOLS LIST, PLANS, DETAILS AND SCHEDULES

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE 30"x42"
DRAWING NO. M-001
SCALE AS NOTED
DRAWN BY AP
FILE NO. 24522.00

PLOT DATE: March 19, 2026 - 1:33pm
FILE: C:\Users\ARaio\appdata\local\temp\AcPublish_31876\M-.dwg

SYMBOLS

F	FIRE STANDPIPE PIPING
	SPRINKLER PIPING
DSP	DRY SPRINKLER PIPING
PA	PRE-ACTION SPRINKLER PIPING
DR	DRAIN PIPING
	PIPING BELOW SLAB
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	PIPING W/FREEZE PROTECTION CABLE & INSULATION
	SLOPED CHANGE IN PIPE ELEVATION
	WATER PROOF SLEEVE
	SLEEVE
FE-X	FIRE EXTINGUISHER A – WATER B – DRY CHEMICAL C – GASEOUS (CO2 OR HALON 1211 – SEE SPEC.)
FE-X	FIRE EXTINGUISHER IN CABINET
	FIRE HOSE VALVE
	FIRE HOSE VALVE IN CABINET
	FIRE HOSE VALVE W/HOSE IN CABINET
FE-X	FIRE HOSE VALVE W/FIRE EXTINGUISHER
	ROOF MANIFOLD (3-WAY)
	SPRINKLER CONTROL VALVE ASSEMBLY
AC	ALARM CHECK VALVE W/ALL RELATED APPURTENANCES
	DISCONNECT FROM EXISTING
	CONNECT TO EXISTING
	FIRE DEPARTMENT SIAMESE CONNECTION (WALL MOUNTED)
	EXISTING FIRE HYDRANT
	NEW FIRE HYDRANT
	TEMPERATURE AND PRESSURE RELIEF VALVE
	PLUG VALVE
	MIXING VALVE
	RELIEF VALVE
	BALL VALVE
	GATE VALVE
	GLOBE VALVE
OS&Y	OUTSIDE SCREW & YOKE (OS & Y) VALVE
	CHECK VALVE
PRV	PRESSURE REDUCING VALVE (PRV)
	SOLENOID VALVE
	FLOAT VALVE
	BACKWATER VALVE
	Y STRAINER W/BLOW-OFF VALVE
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLY
DCV	DETECTOR CHECK VALVE ASSEMBLY
BFP	BACKFLOW PREVENTER
F E	HYDRAULIC REF. POINTS — F ELEMENT — E NODE
T	TAMPER SWITCH
F	WATER FLOW SWITCH
	PRESSURE GAUGE W/GAUGE COCK
	TEMPERATURE GAUGE
F X	RISER DESIGNATION — RISER SERVICE / RISER NUMBER

SPRINKLER HEAD SCHEDULE

DESIGNATION	REQUIRED	MANUFACTURER/MODEL (TYCO / RELIABLE / VIKING)	TYPE: CONCEALED	PENDANT	UPRIGHT	SIDEWALL	EXTENDED COVERAGE	FLUSH	DRY	DELUGE	OPERATION: K-FACTOR	ORIFICE SIZE (INCH)	TEMPERATURE (°F)	MINIMUM PRESSURE (PSI)	LISTINGS	REMARKS
⊗	●	G5-56	●								5.6	½	165	7.0	cULus FM	CORRIDORS, AMENITIES
⊙	●	F1FR56			●						5.6	½	155	7.0	cULus FM	MECHANICAL ROOMS AND ROOMS WITHOUT CEILINGS
◀	●	F1FR56				●					5.6	½	155	7.0	cULus FM	–

ABBREVIATIONS

A.B.D	AUTOMATIC BALL DRIP	I.D.	INSIDE DIAMTER
A.D.	AREA DRAIN	IN.	INCH
A.F.F.	ABOVE FINISHED FLOOR	J.P.	JOCKEY PUMP
A.T.S.	AUTOMATIC TRANSFER SWITCH	MAX.	MAXIMUM
B.O.P.	BOTTOM OF PIPE	MIN.	MINIMUM
C.F.M.	CUBIC FEET PER MINUTE	N.C.	NORMALLY CLOSE
C.V.	CHECK VALVE	N.I.C.	NOT IN THIS CONTRACT
DIA.	DIAMETER	N.O.	NORMALLY OPEN
DN.	DOWN (PENETRATES FLOOR SLAB)	N.T.S.	NOT TO SCALE
F.H.C.	FIRE HOSE CABINET	O.D.	OUTSIDE DIAMETER
F.H.R.	FIRE HOSE RACK	OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
F.H.V.	FIRE HOSE VALVE	P.S.I.A.	POUNDS PER SQUARE INCH (ABSOLUTE)
F.H.V.C.	FIRE HOSE VALVE CABINET	P.S.I.	POUNDS PER SQUARE INCH (GAUGE)
F.D.	FLOOR DRAIN	P.R.V.	PRESSURE REDUCING VALVE
FL.	FLOOR	S.D.	SMOKE DETECTOR
F.P.	FIRE PUMP	SPKR.	SPRINKLER
F.S.P.	FIRE STANDPIPE	T.O.P.	TOP OF PIPE
FT.	FEET	T.S.	TAMPER SWITCH
G.C.	GENERAL CONTRACTOR	U.O.N.	UNLESS OTHERWISE NOTED
G.V.	GATE VALVE	UP	UP (PENETRATES FLOOR SLAB)
GAL.	GALLONS	W.F.S.	WATER FLOW SWITCH
G.P.M.	GALLONS PER MINUTE	Z.	ZONE
H.D.	HEAT DETECTOR		

SPRINKLER DESIGN CRITERIA

1. THE SPRINKLER SYSTEM IN THIS BUILDING SHALL BE IN ACCORDANCE WITH 2020 NYS BUILDING CODE AND NFPA 13-16.
2. SPRINKLERS ARE QUICK RESPONSE.
3. OCCUPANCY CRITERIA
   - A. LIGHT HAZARD OCCUPANCY: DENSITY .10 GPM PER SQ. FT. OVER MOST HYDRAULICALLY REMOTE 1500 SQ. FT., MAXIMUM COVERAGE PER SPRINKLER HEAD 225 SQ. FT.
   - B. ORDINARY 1 HAZARD OCCUPANCY – STORAGE ROOMS, MECHANICAL ROOMS, DENSITY .15 GPM PER SQ FT. MAXIMUM COVERAGE PER SPRINKLER HEAD 130 SQ. FT.
4. HYDRAULICALLY CALCULATED SYSTEMS SHALL MEET THE FOLLOWING CRITERIA:
   - A. EXACT LOCATION OF SPRINKLER HEADS IN FINISHED AREAS WITH SUSPENDED CEILINGS SHALL BE AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLANS WITH HEADS IN CENTER OF TILES.
   - B. WHENEVER ROLLED GROOVED CONNECTIONS ARE USED, ALLOWANCE FOR ADDITIONAL PRESSURE LOSS AT GROOVES SHALL BE MADE AS FOLLOWS:
     - B.1. FOR EACH COUPLING ON STRAIGHT RUN INCLUDING STRAIGHT FLOW THROUGH TEE OR CROSS: ADD 1 EQUIVALENT FOOT OF PIPE.
     - B.2. FOR EACH COUPLING AT ELBOW, TEE OR CROSS WHERE DIRECTION OF FLOW CHANGES: ADD 2 EQUIVALENT FEET OF PIPE.
   - C. EQUIVALENT FITTING LENGTHS USED IN HYDRAULIC CALCULATIONS SHALL BE IN ACCORDANCE WITH NFPA STANDARD NO. 13 AS REFERENCED BY THE NYC BC. WHEREVER FITTINGS ARE USED IN CONJUNCTION WITH SCHEDULE 40 PIPE, EQUIVALENT FITTING LENGTHS INDICATED IN NFPA 13 SHALL BE INCREASED BY 30%
   - D. DISCHARGE FROM EACH SPRINKLER HEAD SHALL NOT BE LESS THAN REQUIRED FOR AREA COVERED BY THE HEAD. AREA COVERAGE PER HEAD SHALL BE DETERMINED IN ACCORDANCE WITH NFPA STANDARD NO. 13, PARAGRAPH 14.4.4.4.1, AS REFERENCED BY NYC BC.
   - E. HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO CONNECTION TO WATER SUPPLY.
5. FLOW TEST DATA:
   - A. CONTRACTOR SHALL OBTAIN FLOW DATA INDICATING RESIDUAL PRESSURES ASSOCIATED WITH BUILDING SYSTEM AND SUBMIT DATA WITH HYDRAULIC CALCULATIONS.
   - B. THESE HYDRAULIC CALCULATIONS ALONG WITH PUMP OR WATER FLOW TEST ARE TO BE SUBMITTED FOR APPROVAL TO THE ENGINEER AND TO THE INSURANCE UNDERWRITER HYDRAULIC CALCULATIONS SHALL BE BROUGHT BACK TO THE LOCATION OF THE PUMP OR WATER FLOW TEST.
   - C. CONSTRUCTION MAY ONLY BEGIN WHEN APPROVALS ARE GRANTED.
   - D. RESULT OF HYDRAULIC CALCULATIONS SHALL INDICATE MINIMUM 10% PRESSURE SAFETY MARGIN, I.E., EXCESS OF PRESSURE AVAILABLE OVER PRESSURE REQUIRED.
   - E. PRELIMINARY WATER SUPPLY INFORMATION.

GENERAL NOTES

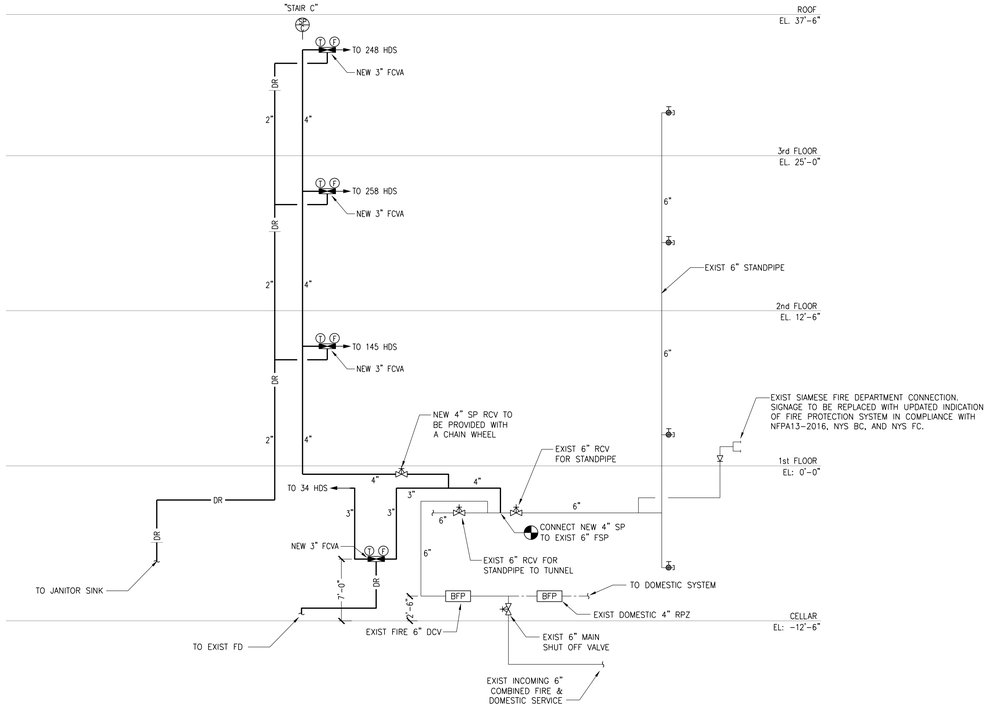
1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE, FIRE DEPARTMENT RULES AND REGULATIONS, UTILITY COMPANY REQUIREMENTS, AND THE BEST TRADE PRACTICES.
2. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED INSURANCE CERTIFICATES WITH THE DEPARTMENT OF BUILDINGS, OBTAIN ALL REQUIRED PERMITS, AND PAY ALL FEES REQUIRED BY THE GOVERNING AGENCIES OF THE VILLAGE OF TARRYTOWN. CONTRACTOR SHALL PRESENT PACKAGE OF ALL PERMITS, INSURANCE CERTIFICATES, AND FEES PAID TO OWNER PRIOR TO START OF PROJECT.
3. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT REQUIRED FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
4. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE STIPULATIONS OF LOCAL AUTHORITIES, SITE MANAGEMENT OR BOARD OF DIRECTORS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
6. THE CONTRACTOR SHALL LAY OUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES: PLUMBING, ELECTRICAL, ETC.
7. PLUMBING WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE DEPARTMENT OF BUILDINGS ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
8. ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE BUREAU OF ELECTRICAL CONTROL ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
9. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB. INCLUDING BUT NOT LIMITED TO CEILING TILE REMOVAL, GRID REMOVAL, CUTTING AND PATCHING, FIRESTOPPING ALL PENETRATIONS, ETC.

PLOT PLAN



SPRINKLER DRAWING LIST

SP001	SPRINKLER COVER SHEET AND RISER DIAGRAM
SP100	SPRINKLER CELLAR CONSTRUCTION PLAN
SP101	SPRINKLER 1ST FLOOR CONSTRUCTION PLAN
SP102	SPRINKLER 2ND FLOOR CONSTRUCTION PLAN
SP103	SPRINKLER 3RD FLOOR CONSTRUCTION PLAN
SP300	SPRINKLER DETAILS



1 SPRINKLER RISER DIAGRAM

SCALE: NTS

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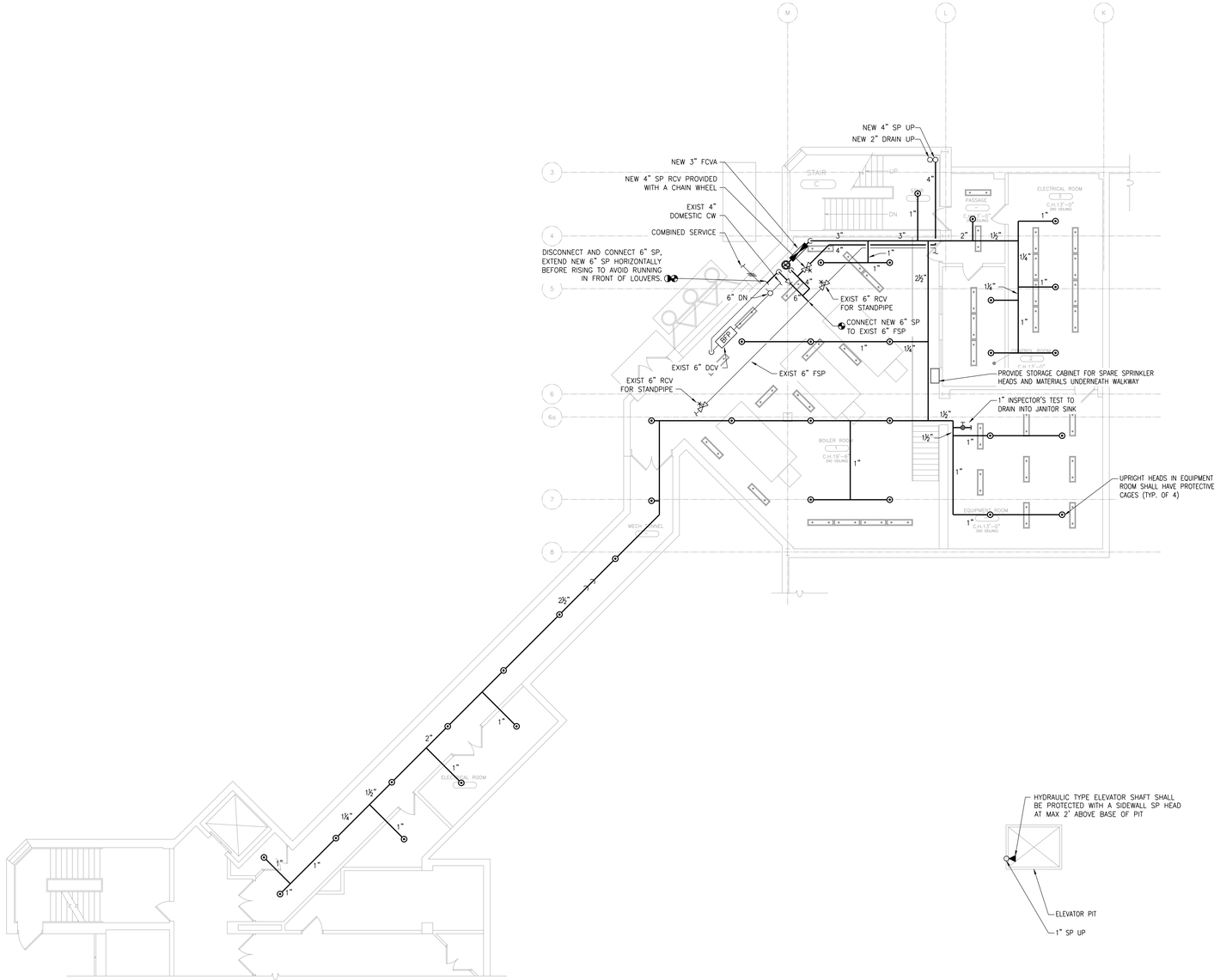
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PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
SPRINKLER COVER SHEET

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06-07-2024	SCHEMATIC DESIGN
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SHEET SIZE: 30"x42"
DRAWING NO.: SP001
SCALE: AS NOTED
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FILE NO.: 24522.00



1 SPRINKLER CELLAR CONSTRUCTION PLAN
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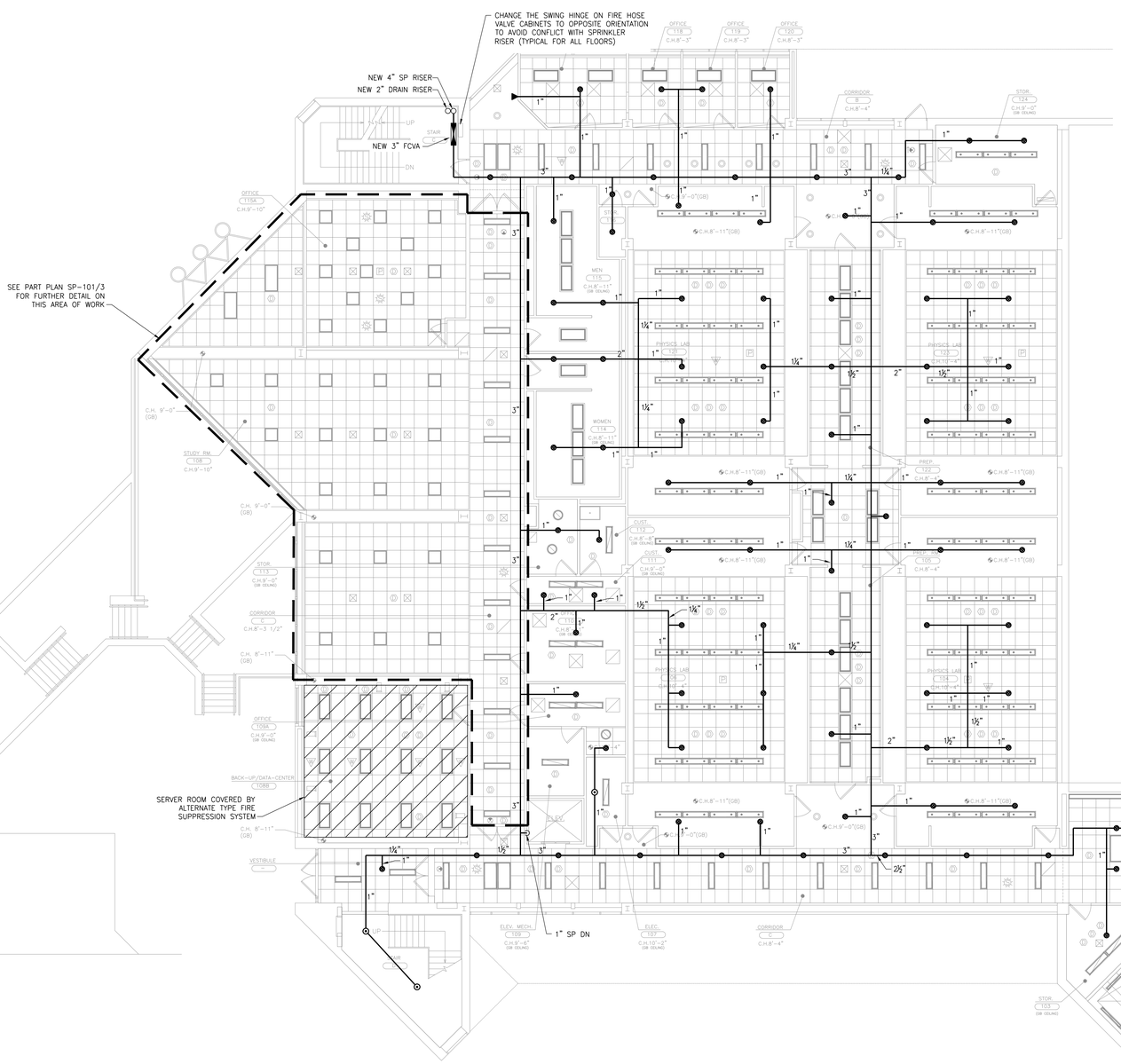
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SPRINKLER CELLAR CONSTRUCTION PLAN

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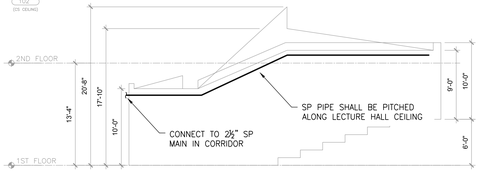
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1 SPRINKLER FIRST FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"



3 NURSING SIMULATION LAB SPRINKLER PLAN
SCALE: 1/4" = 1'-0"



2 SECTION - RM 102
SCALE: 1/8" = 1'-0"

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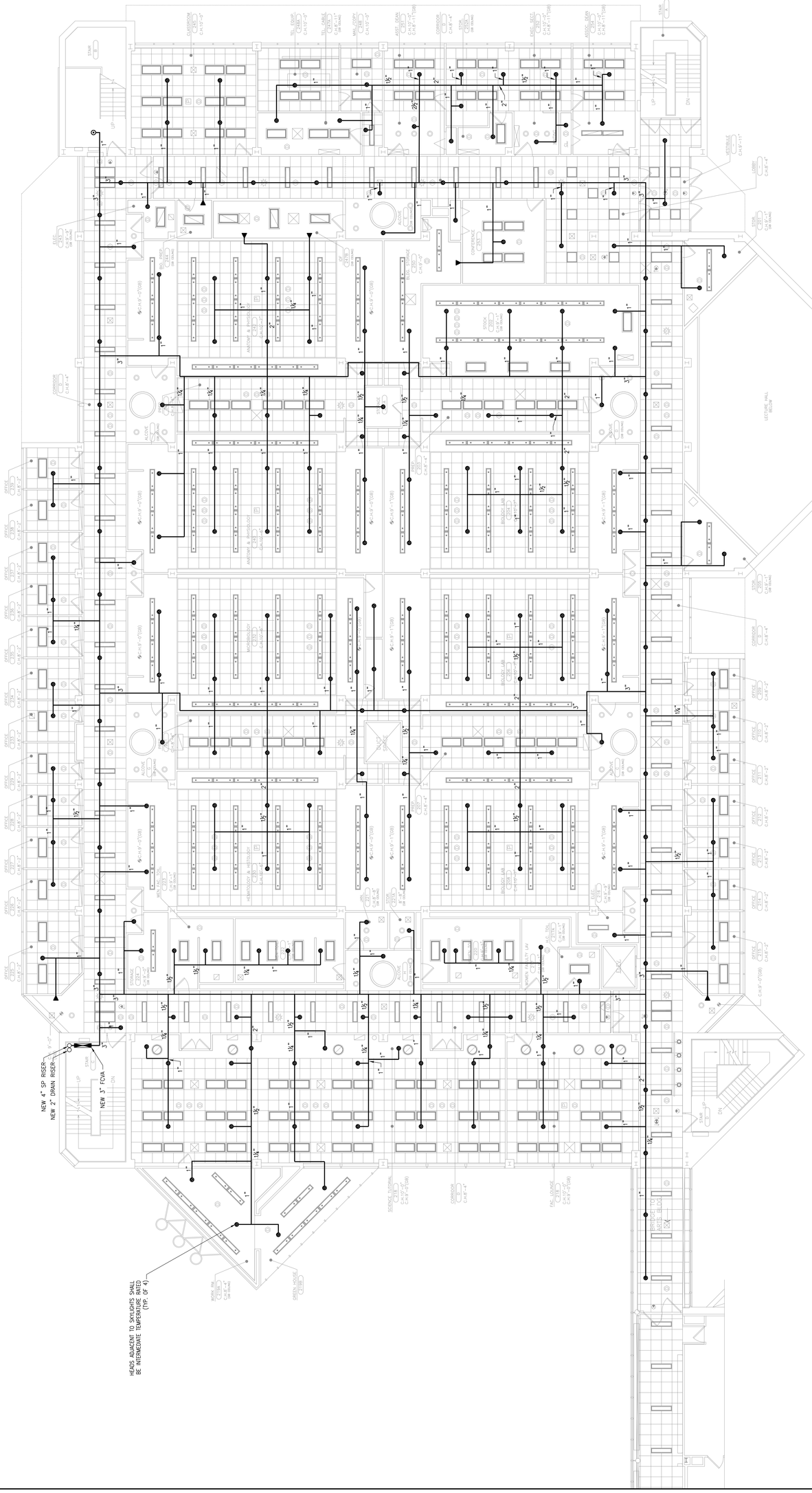
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SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

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SPRINKLER 1ST FLOOR CONSTRUCTION PLAN

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FILE NO.: 24522.00

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1 SPRINKLER SECOND FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

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SCIENCE BUILDING INFRASTRUCTURE
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DRAWING TITLE
SPRINKLER 2ND FLOOR CONSTRUCTION PLAN

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06-10-2024	ISSUE FOR 50% CD
05-31-2024	ISSUE FOR PROGRESS

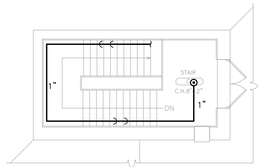
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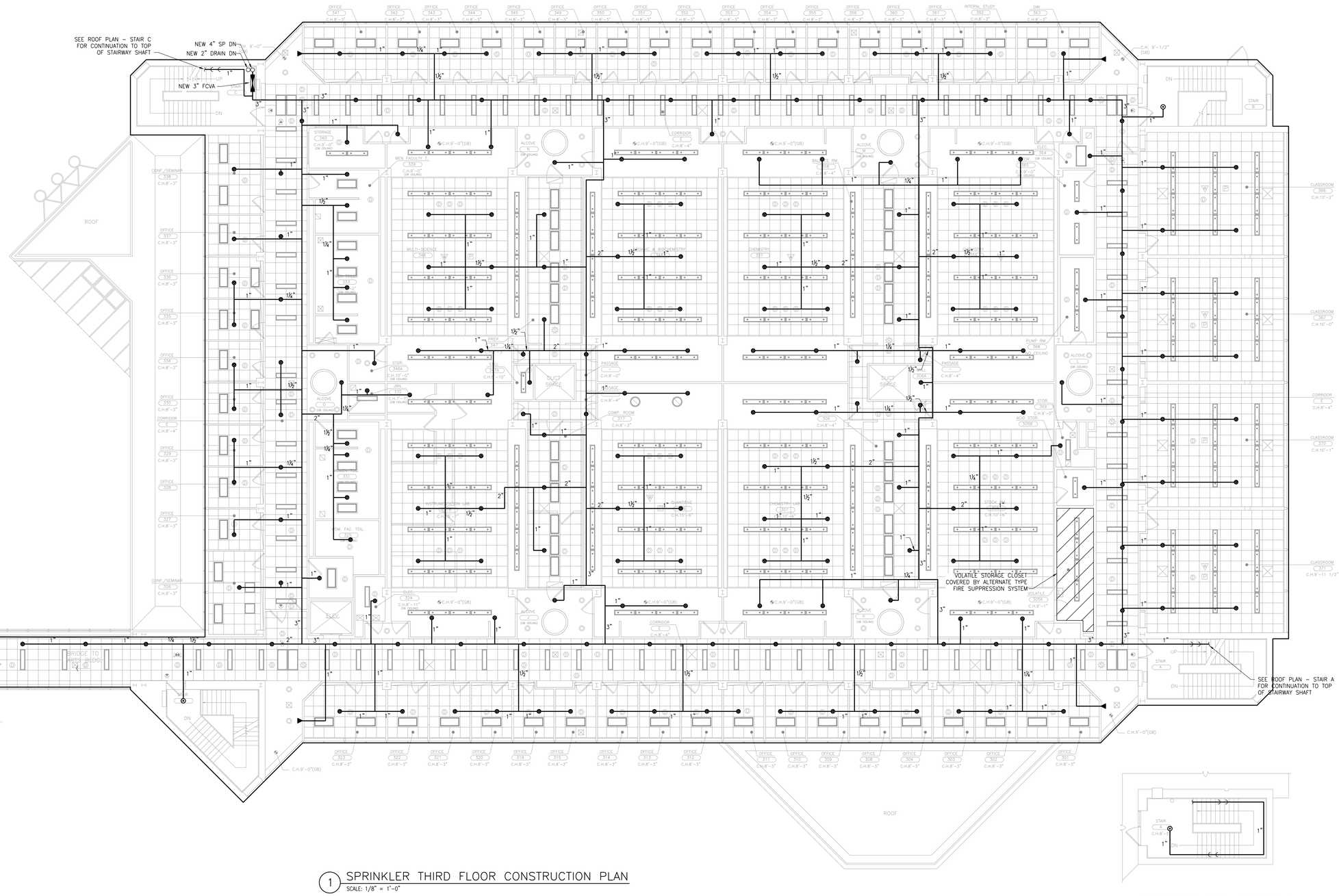
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3 ROOF PLAN - STAIR C
SCALE: 1/8" = 1'-0"



1 SPRINKLER THIRD FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

2 ROOF PLAN - STAIR A
SCALE: 1/8" = 1'-0"

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STATE OF NEW YORK
GIORGIOS ASPRAS
107665
LICENSED PROFESSIONAL ENGINEER
LICENSE EXPIRATION DATE: 9/30/28

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA NY 10595

DRAWING TITLE
SPRINKLER 3RD FLOOR CONSTRUCTION PLAN

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

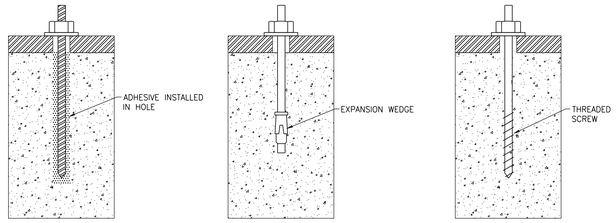
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DRAWN BY
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:22pm
FILE: P:\26000-y2024\26024 - WCC Science Building Upgrades_P FP\SP-.dwg

GENERAL GUIDELINE FOR SELECTING APPROPRIATE POST INSTALLED ANCHORS

DETERMINE SYSTEM COMPONENTS:
- –TYPE OF MATERIAL THAT THE ANCHOR WILL BE INSTALLED IN (CONCRETE, MASONRY, OR STONE)
- –CONDITION OF MATERIAL (CRACKED OR UNCRACKED), STRENGTH (PSI RATING), WET, DRY, ETC.
- –ANCHOR MATERIAL (CARBON STEEL, GALVANIZED, STAINLESS, ETC.)
- –TYPE OF ANCHOR (REBAR, THREADED ROD, ETC) AND INSTALLATION METHOD (ADHESIVE, MECHANICAL, OR SCREW)
- –ORIENTATION OF ANCHOR (OVERHEAD, IN WALL, OR FLOOR MOUNTED)
- –PLACEMENT OF ANCHOR WITH RESPECT TO EDGES AND SPACING REQUIREMENTS

FOR EACH SYSTEM TYPE, SELECT AN ANCHOR THAT HAS A CURRENT ICC EVALUATION SERVICE REPORT (ESR) AND IS APPROVED FOR THE FIELD CONDITIONS



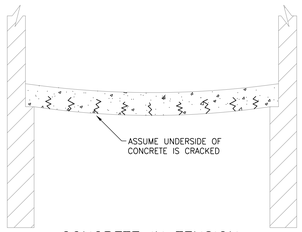
–CAPACITY AND PLACEMENT OF ANCHORS SHALL BE DETERMINED BY THE STRUCTURAL ENGINEER. WHEN NO STRUCTURAL ENGINEER IS INVOLVED, THE MANUFACTURER SHALL BE CONSULTED TO PROVIDE GUIDANCE.

–PER THE REQUIREMENTS OF THE AHJ, INSTALLERS SHALL BE QUALIFIED TO INSTALL EACH ANCHOR TYPE, AS APPLICABLE FOR THE SCOPE OF WORK.

–ANCHORS SHALL BE INSTALLED PER THE INSTRUCTIONS OUTLINED IN THE CURRENT ESR FOR THAT MODEL.

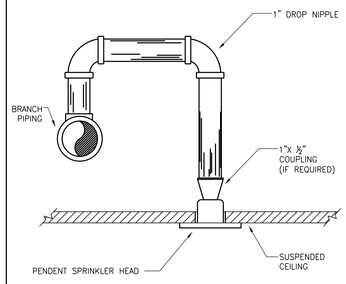
–IF STRENGTH OF EXISTING CONCRETE IS UNKNOWN, PULL TESTS OR CORE SAMPLES SHALL BE TAKEN TO CONFIRM RATING OF MATERIAL. PERFORM TESTING PRIOR TO ANY ANCHOR INSTALLATION.

NOTES

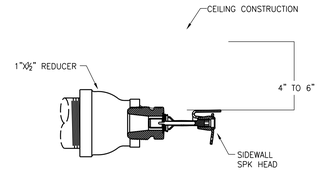


CONCRETE IN TENSION

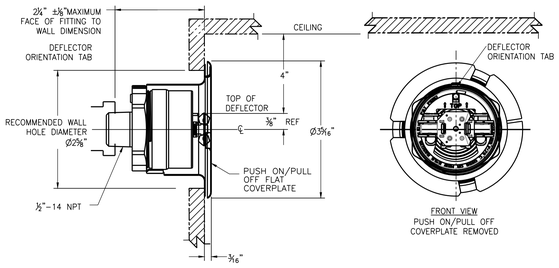
POST INSTALLED ANCHOR GUIDELINE



TYPICAL CONCEALED SPRINKLER INSTALLATION



TYPICAL SIDEWALL SPRINKLER INSTALLATION



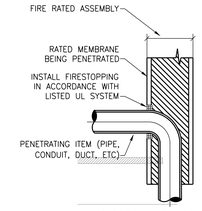
CONCEALED SIDEWALL SPRINKLER CONNECTION

GENERAL GUIDELINE FOR SELECTING APPROPRIATE FIRESTOPPING SYSTEMS:

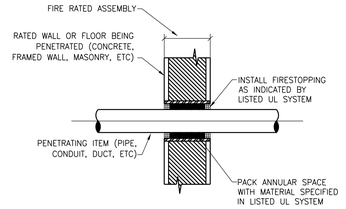
DETERMINE SYSTEM COMPONENTS:
- –TYPE OF PENETRATION (MEMBRANE OR THROUGH)
- –PENETRATING ITEM
- –ASSEMBLY BEING PENETRATED
- –MINIMUM AND MAXIMUM ANNULAR SPACES, POINTS OF CONTACT

DETERMINE RATING REQUIREMENTS:
- –F–RATING, T–RATING, L–RATING, AND W–RATING

FOR EACH PENETRATION, SELECT A SYSTEM LISTED BY AN APPROVED TESTING AGENCY (UL, FM, ETC) THAT MEETS ALL OF THE ABOVE PARAMETERS



MEMBRANE PENETRATION



THROUGH PENETRATION

F–RATING: THE AMOUNT OF TIME (IN HOURS) BEFORE FLAMES CAN PASS THROUGH A PENETRATION FROM THE SIDE OF A WALL OR FLOOR EXPOSED TO FLAMES TO THE UNEXPOSED SIDE

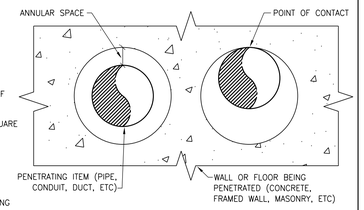
T–RATING: THE AMOUNT OF TIME (IN HOURS) BEFORE THE SURFACE OF AN ASSEMBLY AND/OR PENETRATING ITEM ON THE SIDE OF A WALL OR FLOOR NOT EXPOSED TO FLAMES RISES TO A TEMPERATURE OF 325°F

L–RATING: THE AMOUNT OF AIR/SMOKE (IN CUBIC FEET PER MINUTE PER SQUARE FOOT) THAT CAN LEAK THROUGH THE PENETRATION

W–RATING: A FIRESTOPPING PRODUCT'S ABILITY TO RESIST THE PASSAGE OF WATER THROUGH FLOOR ASSEMBLIES

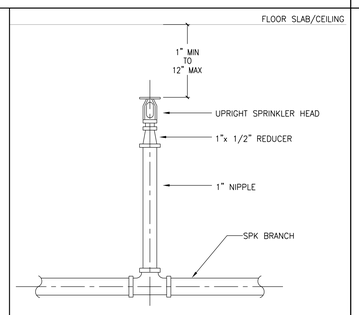
REFER TO PROJECT SPECIFICATIONS FOR RATINGS AND ADDITIONAL FIRESTOPPING REQUIREMENTS

DEFINITIONS AND NOTES

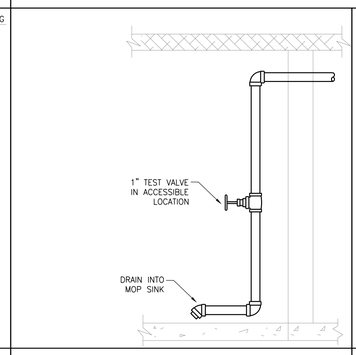


ANNULAR SPACE

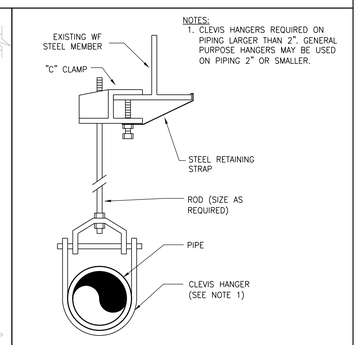
FIRESTOPPING PENETRATIONS GUIDELINE



UPRIGHT SPRINKLER CONNECTION DETAIL



WET PIPE SYSTEM INSPECTOR'S TEST CONNECTION



I – BEAM HANGER

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SPRINKLER DETAILS

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SHEET SIZE: 30"x42"
DRAWING NO.: SP300
SCALE: AS NOTED
DRAWN BY:
FILE NO.: 24522.00

PLOT DATE: March 18, 2026 - 4:22pm
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SYMBOL LIST

ELECTRICAL AND IT DEVICES

S^{T}	DISCONNECT SWITCH–TOGGLE TYPE HORSEPOWER RATED, WITH THERMAL OVERLOAD. LABEL SWITCH WITH LOAD SERVED.
GFI	DUPLEX RECEPTACLE RATED AT 20 AMPS, 120 VOLTS.
J	CEILING MOUNTED JUNCTION BOX (J–BOX) WITH HOMERUN CIRCUIT AND FLEXIBLE CONNECTION TO EQUIPMENT. USE SEALTITE FOR OUTDOOR CONNECTIONS.
JH	WALL MOUNTED JUNCTION BOX (J–BOX) WITH HOMERUN CIRCUIT AND FLEXIBLE CONNECTION TO EQUIPMENT. USE SEALTITE FOR OUTDOOR CONNECTIONS.
TC	TIME CLOCK. REFER TO DRAWING E–XXX FOR TIMECLOCK AND PHOTOCELL WIRING DIAGRAM.

ELECTRICAL DISTRIBUTION

	PANEL BOARD
	CONDUIT
	PULL BOX
	FUSED DISCONNECT SWITCH. FUSE TO BE EQUAL TO OR LESS THAN THE WIRING AMPACITY.
	UNFUSED DISCONNECT SWITCH; SWITCH SIZE TO BE GREATER THAN OR EQUAL TO OVER CURRENT PROTECTION. U.O.N.
M	MOTOR, NUMBER INDICATES HORSEPOWER RATING
PP–KIT/21,23,25 (PANEL DESIGNATION – CIRCUIT NUMBER)	HOMERUN NOTATION

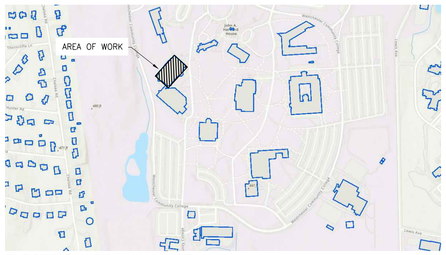
ABBREVIATIONS

@	"AT" OR "EACH AT"	HZ	HERTZ
A	AMPERE	INST	INSTANTANEOUS
AF	AMPERE FRAME	JB	JUNCTION BOX
AFF	ABOVE FINISHED FLOOR	KV	KILOVOLT
AL	ALUMINUM	KVA	KILOVOLT AMPERE
AT	AMPERE TRIP	KW	KILOWATT
AWG	AMERICAN WIRE GAUGE	LTG	LIGHTING
BLDG	BUILDING	LV	LOW VOLTAGE
C	CONDUIT	MAX	MAXIMUM
°C	DEGREE CELSIUS	MCB	MAIN CIRCUIT BREAKER
CB	CIRCUIT BREAKER	MCM	THOUSAND CIRCULAR MILS
CKT	CIRCUIT	MECH	MECHANICAL
CLG	CEILING	MIN	MINIMUM
CLOS	CLOSET	MLO	MAIN LUGS ONLY
CONT	CONTINUATION	N	NEUTRAL
CT	CURRENT TRANSFORMER	NIC	NOT IN CONTRACT
CU	COPPER	NTS	NOT TO SCALE
DB	DECIBEL	PB	PULLBOX
DEG	DEGREE	PH	PHASE
DN	DOWN	PWR	POWER
DP	DISTRIBUTION PANELBOARD	RECEPT	RECEPTACLE
DWG	DRAWING	REQ	REQUIRED
EA	EACH	RM	ROOM
EC	ELECTRICAL CONTRACTOR	SECT	SECTION
ELEC	ELECTRICAL	SP	SINGLE POLE
EM	EMERGENCY	SW	SWITCH
EXT	EXTERIOR	SYS	SYSTEMS
°F	DEGREE FAHRENHEIT	TBD	TO BE DETERMINED
FDS	FUSED DISCONNECT SWITCH	TD	TIME DELAY
FIXT	FIXTURE	TEMP	TEMPERATURE
FL	FLOOR	TYP	TYPICAL
FT	FEET OR FOOT	UON	UNLESS OTHERWISE NOTED
G	GROUND	V	VOLT OR VOLTAGE
GFI	GROUND FAULT INTERUPTER	VA	VOLT AMPERE
HP	HORSEPOWER	W	WATT
HV	HIGH VOLTAGE	WP	WEATHERPROOF

ELECTRICAL GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWING IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS.
2. RACEWAYS SHALL BE ALLOWED TO PASS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY SHALL BE ROUTED WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT PERPENDICULAR CROSSINGS WHERE RACEWAY SHALL BE A MINIMUM OF 1 INCH FROM PIPE COVER.
3. SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS. BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.
4. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
5. CUT CONDUIT ENDS SQUARE, REAM SMOOTH. PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLING.
6. HORIZONTAL OR CROSS RUNS IN PARTITIONS AND WALLS ARE NOT PERMITTED.
7. PROVIDE PULLBOXES AS INDICATED, REQUIRED BY CODE AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE. COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES.
8. JUNCTION AND PULL BOXES SHOULD NOT BE LOCATED EXPOSED IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT.
9. COVERS OF JUNCTION AND PULLBOXES SHALL BE READILY ACCESSIBLE.
10. CONNECT CONDUIT TO MOTOR CONDUIT TERMINAL BOXES WITH FLEXIBLE CONDUIT; MINIMUM 18 IN. IN LENGTH AND 50% SLACK. DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION.
11. COORDINATE ALL EXPOSED CONDUIT RUNS WITH ARCHITECT PRIOR TO EXPOSED CONDUIT INSTALLATION.
12. FOR EACH MODIFIED ELECTRICAL PANEL, THE CONTRACTOR SHALL PROVIDE A TYPE–WRITTEN DIRECTORY CARD TO REFLECT NEW CIRCUITING.
13. LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL CONNECTIONS. PROVIDE PULL CORD FOR ALL EMPTY CONDUITS.
14. DO NOT PULL THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32°F (0°C) PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.
15. WIRE COLOR CODING: AS PER CODE. WHERE COLOR–CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING OF CONDUCTORS (MINIMUM LENGTH 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.
16. SECURE ALL SUPPORTS TO BUILDING STRUCTURE UTILIZING TOGGLE BOLTS (HOLLOW MASONRY), EXPANSION SHIELDS OR INSERTS (CONCRETE AND BRICK), MACHINE SCREWS (METAL) OR BEAM CLAMPS (FRAMEWORK). NAILS, RAWL PLUGS AND WOOD PLUGS ARE NOT PERMITTED. WHERE REQUIRED BY STRUCTURE, PROVIDE THRU BOLTS AND FISH PLATES. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FT APART.
17. SUPPORT JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
18. ALL LIGHT FIXTURES AND INSTRUMENTS THAT ARE REMOVED SHOULD BE CAREFULLY DISPOSED OF. COORDINATE REMOVAL AND STORAGE OF ALL EQUIPMENT WITH CAMPUS.
19. INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS: ONLY WITH WRITTEN CONSENT OF CAMPUS. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS ARE NOT TO BE INTERRUPTED.
20. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE RATED NEMA–3R.
21. UPON COMPLETION OF THE WORK, A SET OF "AS–BUILT" DRAWINGS SHALL BE SUBMITTED TO THE CAMPUS.

PLOT PLAN



ELECTRICAL DRAWING LIST

E001	ELECTRICAL COVER SHEET
E100	ELECTRICAL SCIENCE BUILDING FIRST FLOOR PLAN
E101	ELECTRICAL SCIENCE BUILDING SECOND FLOOR PLAN
E102	ELECTRICAL SCIENCE BUILDING ROOF PLAN
E200	ELECTRICAL SCIENCE BUILDING OVERALL PLAN
E201	ELECTRICAL ELEVATIONS (SHEET 1)
E202	ELECTRICAL ELEVATIONS (SHEET 2)
E300	ELECTRICAL DETAILS
E400	ELECTRICAL SCHEDULES

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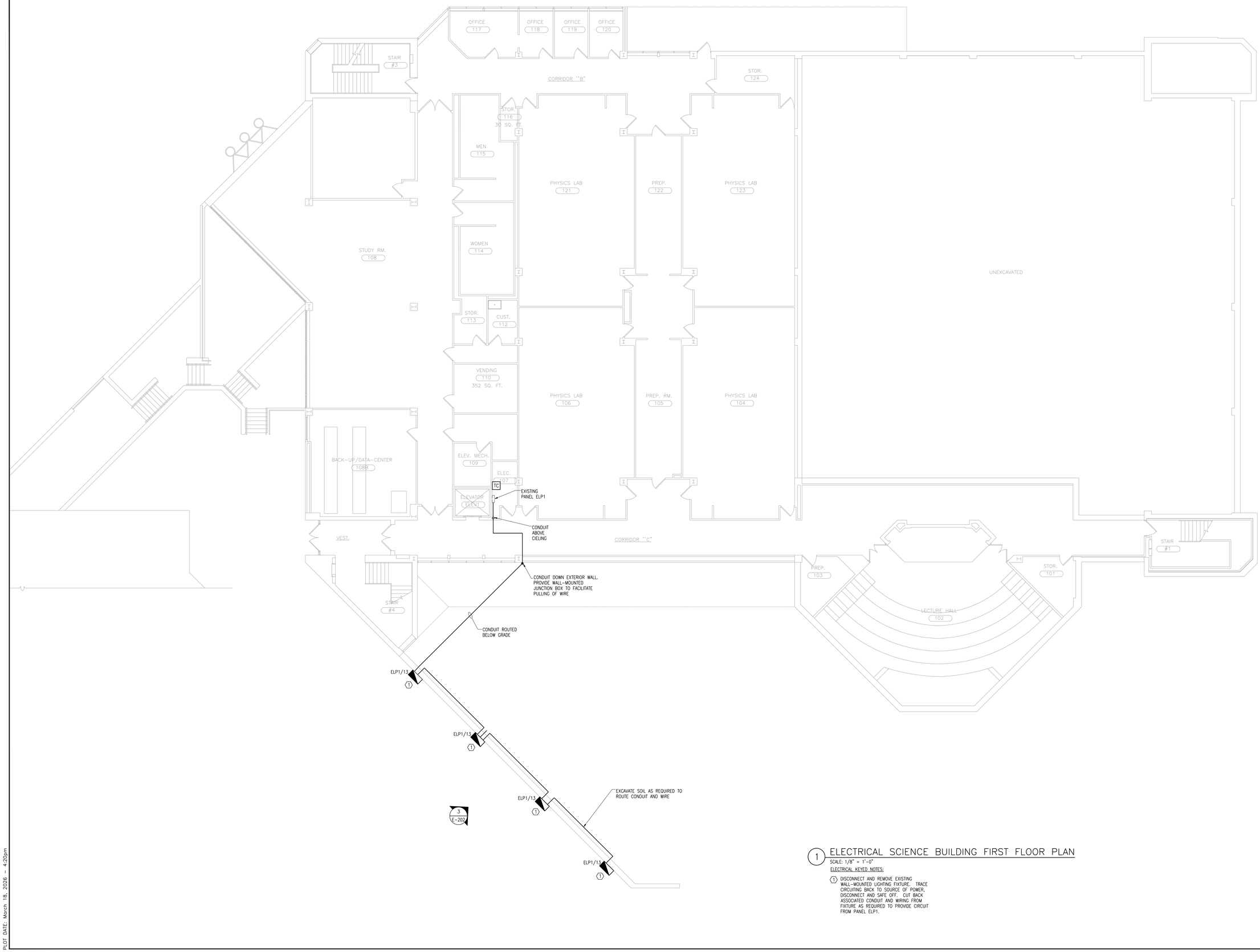
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08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE: 30"x42"
DRAWING NO.: E001
SCALE: AS NOTED
DRAWN BY: AR
FILE NO.: 24522.00

PLOT DATE: March 18, 2026 – 4:20pm

FILE: C:\Users\ARaia\appdata\local\temp\AcPublish_9068\E–.dwg



1 ELECTRICAL SCIENCE BUILDING FIRST FLOOR PLAN

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

ELECTRICAL KEYED NOTES:

1. DISCONNECT AND REMOVE EXISTING WALL-MOUNTED LIGHTING FIXTURE. TRACE CIRCUITING BACK TO SOURCE OF POWER. DISCONNECT AND SAFE OFF. CUT BACK ASSOCIATED CONDUIT AND WIRING FROM FIXTURE AS REQUIRED TO PROVIDE CIRCUIT FROM PANEL ELP1.

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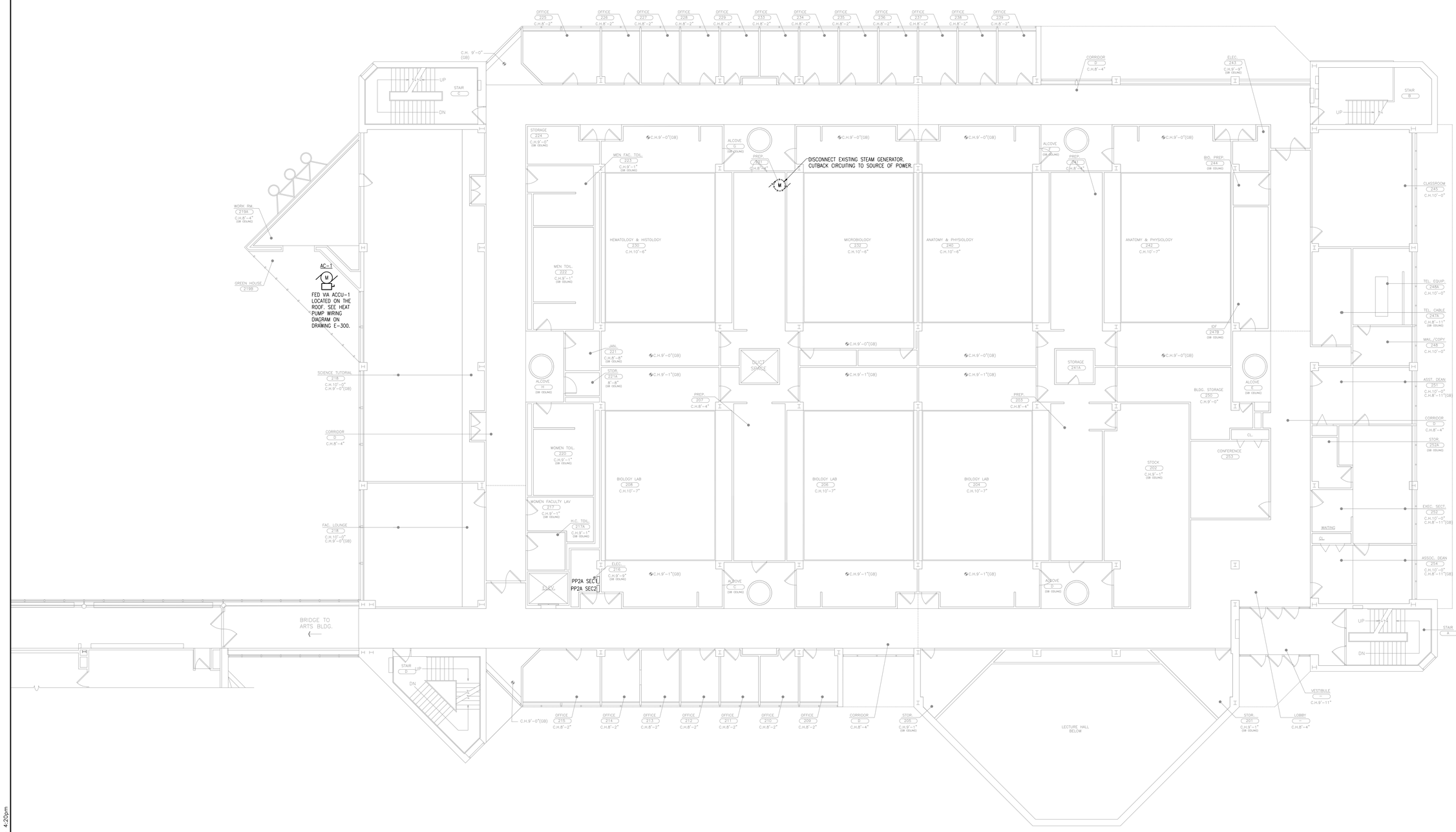
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SHEET SIZE 30"x42"
DRAWING NO. E100
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DRAWN BY AR
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:20pm

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1 ELECTRICAL SCIENCE BUILDING SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

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STATE OF NEW YORK
GIORGIOS ARAIA
107665
LICENSED PROFESSIONAL ENGINEER
LICENSE EXPIRATION DATE: 9/30/28

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
ELECTRICAL SCIENCE BUILDING SECOND FLOOR PLAN

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE 30"x42"
DRAWING NO. E101
SCALE 1/8" = 1'-0"
DRAWN BY AR
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:20pm
FILE: C:\Users\ARaia\appdata\local\temp\AcPublish_9068\E-.dwg



1 ELECTRICAL SCIENCE BUILDING ROOF PLAN
SCALE: 1/8" = 1'-0"

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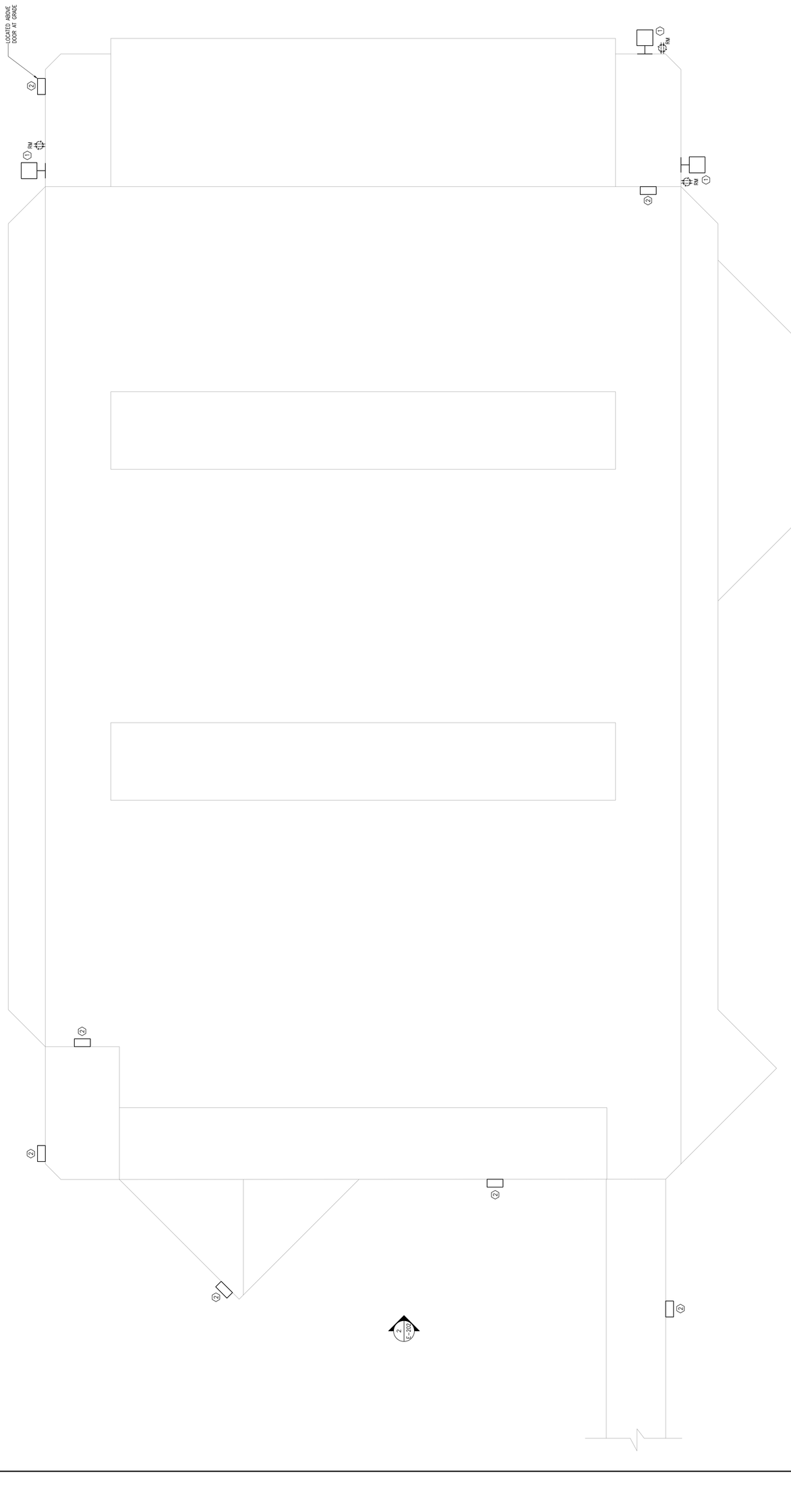
PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
ELECTRICAL SCIENCE BUILDING ROOF PLAN

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE 30"x42"
DRAWING NO. E102
SCALE 1/8" = 1'-0"
DRAWN BY AR
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:20pm
FILE: C:\Users\ARaio\appdata\local\temp\AcPublish_9068\E-.dwg



1 ELECTRICAL SCIENCE BUILDING OVERALL PLAN

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

ELECTRICAL KEYED NOTES:

1. DISCONNECT AND REMOVE EXISTING FLOOD LIGHT AND ASSOCIATED RECEPTACLE. PROVIDE FLOOD LIGHT FIXTURE IN EXISTING LOCATION AND EXTEND CONDUIT AND WIRING AS NOTED FROM RECEPTACLE BOX TO FEED NEW FLOOD LIGHT.
2. REPLACE EXISTING WALL-MOUNTED LIGHT FIXTURE USING EXISTING WIRING.

1 E-202

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
ELECTRICAL SCIENCE BUILDING OVERALL PLAN

BID	DATE
ISSUE FOR 95% CD	03-27-2026
ISSUE FOR 50% CD	08-13-2025
ISSUE FOR PERMIT	06-16-2024
ISSUE FOR PROGRESS	06-03-2024
ISSUED TO	DATE

DRAWING NO. E200

SHEET SIZE 30"x42"

SCALE 1/8" = 1'-0"

DRAWN BY AR

FILE NO. 24522.00

LICENSE EXPIRATION DATE: 8/30/26

S.E.D. CONTROL NUMBER: 00-00-00-00-0-000-000

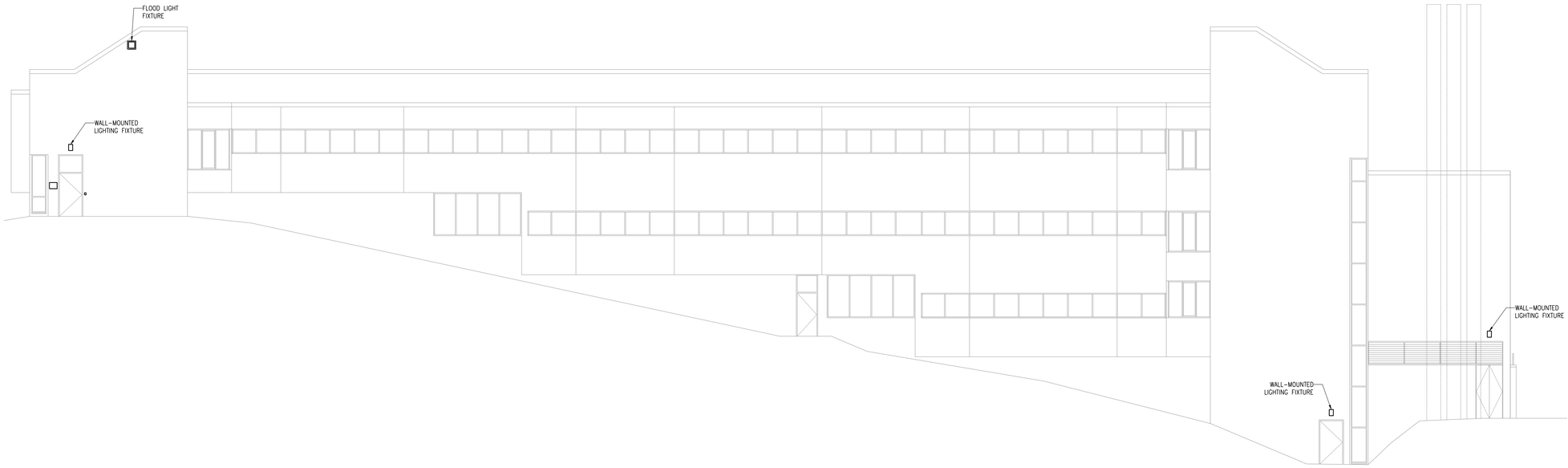
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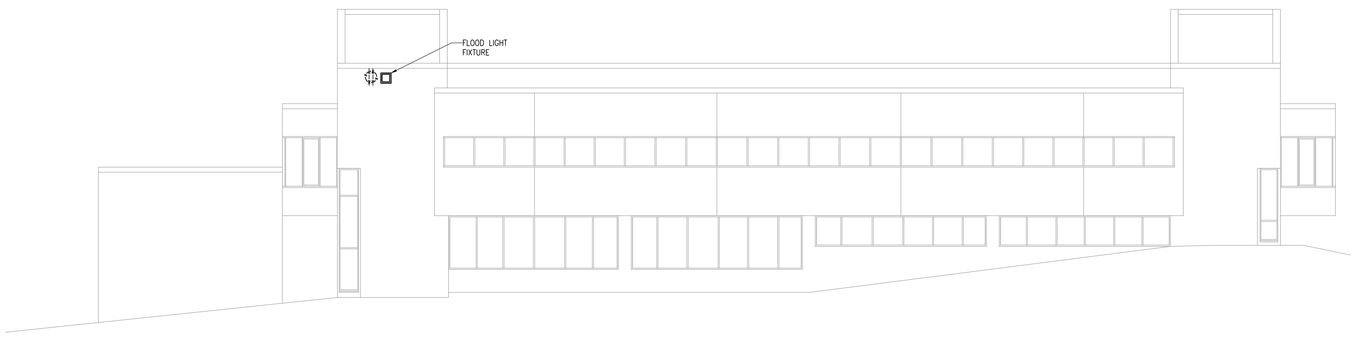
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1 ELECTRICAL WEST ELEVATION
SCALE: 1/8" = 1'-0"



2 ELECTRICAL SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

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S.E.D. CONTROL NUMBER:
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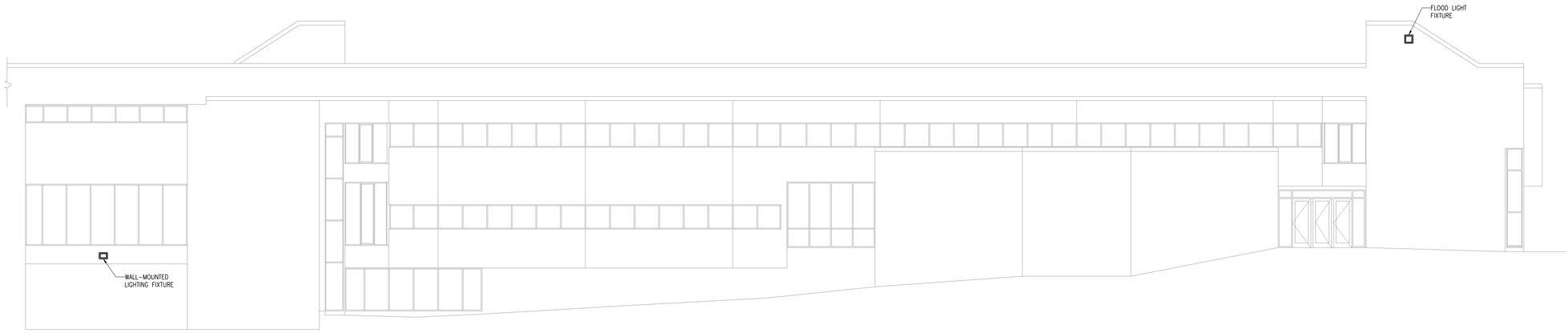
PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
ELECTRICAL ELEVATIONS (SHEET 1)

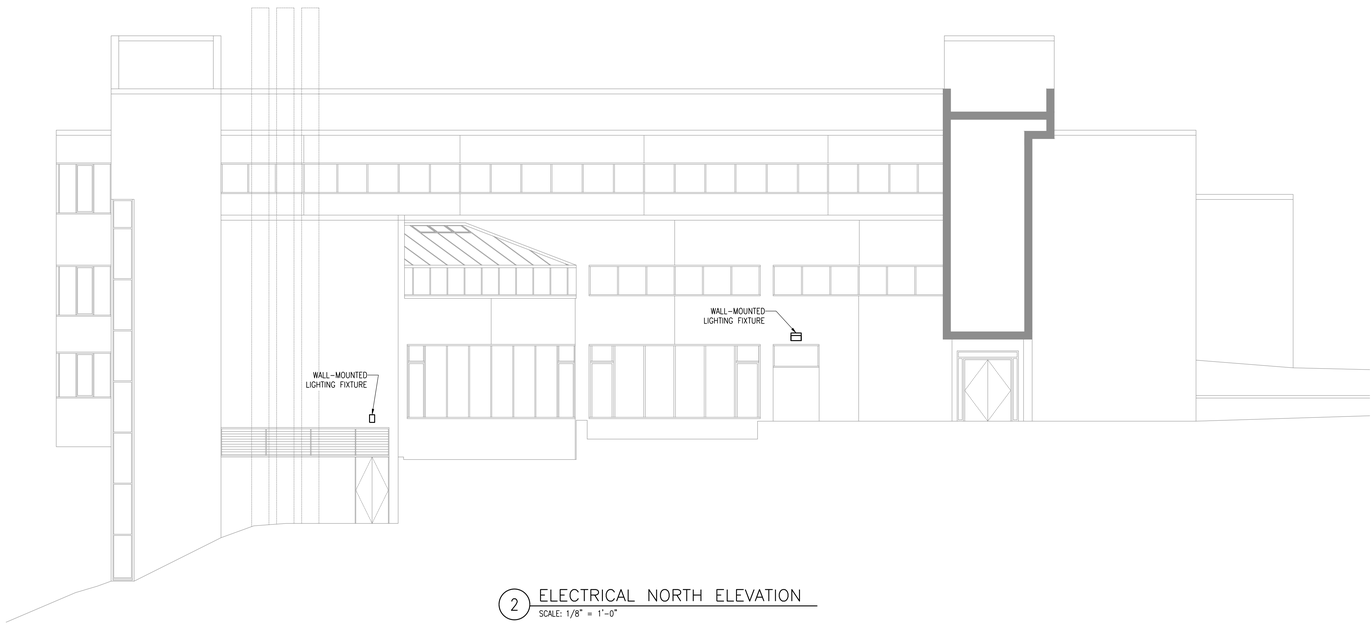
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08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE: 30"x42"
DRAWING NO.: E201
SCALE: 1/8" = 1'-0"
DRAWN BY: AR
FILE NO.: 24522.00

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1 ELECTRICAL EAST ELEVATION
SCALE: 1/8" = 1'-0"



2 ELECTRICAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"



3 ELECTRICAL WALL ELEVATION
SCALE: 1/8" = 1'-0"

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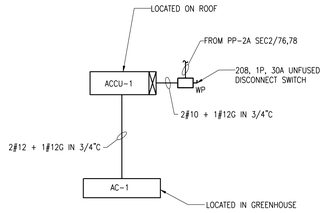
PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
ELECTRICAL ELEVATIONS (SHEET 2)

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE 30"x42"
DRAWING NO. E202
SCALE 1/8" = 1'-0"
DRAWN BY AR
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:20pm
FILE: C:\Users\ARaia\appdata\local\temp\AcPublish_9068\E-.dwg



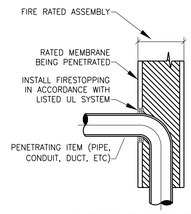
HEAT PUMP WIRING DIAGRAM

GENERAL GUIDELINE FOR SELECTING APPROPRIATE FIRESTOPPING SYSTEMS:

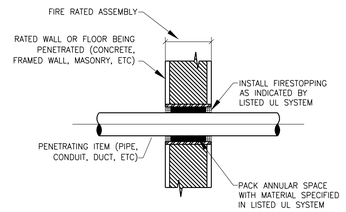
DETERMINE SYSTEM COMPONENTS:
-TYPE OF PENETRATION (MEMBRANE OR THROUGH)
-PENETRATING ITEM
-ASSEMBLY BEING PENETRATED
-MINIMUM AND MAXIMUM ANNULAR SPACES, POINTS OF CONTACT

DETERMINE RATING REQUIREMENTS:
-F-RATING, T-RATING, L-RATING, AND W-RATING

FOR EACH PENETRATION, SELECT A SYSTEM LISTED BY AN APPROVED TESTING AGENCY (UL, FM, ETC) THAT MEETS ALL OF THE ABOVE PARAMETERS



MEMBRANE PENETRATION



THROUGH PENETRATION

F-RATING: THE AMOUNT OF TIME (IN HOURS) BEFORE FLAMES CAN PASS THROUGH A PENETRATION FROM THE SIDE OF A WALL OR FLOOR EXPOSED TO FLAMES TO THE UNEXPOSED SIDE

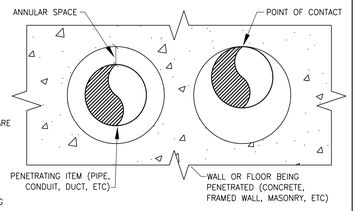
T-RATING: THE AMOUNT OF TIME (IN HOURS) BEFORE THE SURFACE OF AN ASSEMBLY AND/OR PENETRATING ITEM ON THE SIDE OF A WALL OR FLOOR NOT EXPOSED TO FLAMES RISES TO A TEMPERATURE OF 325°F

L-RATING: THE AMOUNT OF AIR/SMOKE (IN CUBIC FEET PER MINUTE PER SQUARE FOOT) THAT CAN LEAK THROUGH THE PENETRATION

W-RATING: A FIRESTOPPING PRODUCT'S ABILITY TO RESIST THE PASSAGE OF WATER THROUGH FLOOR ASSEMBLIES

REFER TO PROJECT SPECIFICATIONS FOR RATINGS AND ADDITIONAL FIRESTOPPING REQUIREMENTS

DEFINITIONS AND NOTES



ANNULAR SPACE

FIRESTOPPING PENETRATIONS GUIDELINE

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PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
ELECTRICAL DETAILS

DATE	ISSUED TO
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06-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE: 30"x42"
DRAWING NO.: E300
SCALE: AS NOTED
DRAWN BY: AR
FILE NO.: 24522.00

PLOT DATE: March 18, 2026 - 4:21pm
FILE: C:\Users\ARaia\appdata\local\temp\AcPublish_9068\E-.dwg

PANEL NO. PP2A SECT 1 SECTION –
VOLTS 120/208 PH 3 W 4 G 1
MAIN CB – BUS – MIN. INTERRUPTING RATING – SYMM.
☐ RECESSED ☐ MAIN LUG ONLY ☒ SURFACE MOUNTED ☐ MAIN CB ☐ FEED THRU LUG

CKT NO.	TRIP (AMPS)	DESCRIPTION OF LOAD	LOAD (KVA)	PER PHASE KVA A	B	C	LOAD (KVA)	DESCRIPTION OF LOAD	TRIP (AMPS)	CKT NO.
1	20	EXISTING CIRCUIT	0	0			0	EXISTING CIRCUIT	20	2
3	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	20	4
5	20	EXISTING CIRCUIT	0			0	0	EXISTING CIRCUIT	20	6
7	20	EXISTING CIRCUIT	0	0			0	EXISTING CIRCUIT	20	8
9	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	20	10
11	20	EXISTING CIRCUIT	0			0	0	EXISTING CIRCUIT	20	12
13	20	EXISTING CIRCUIT	0	0			0	EXISTING CIRCUIT	20	14
15	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	20	16
17	20	EXISTING CIRCUIT	0			0	0	EXISTING CIRCUIT	20	18
19	20	EXISTING CIRCUIT	0	0			0	EXISTING CIRCUIT	20	20
21	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	20	22
23	20	EXISTING CIRCUIT	0			0	0	EXISTING CIRCUIT	20	24
25	20	EXISTING CIRCUIT	0	0			0			26
27	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	60	28
29	20	EXISTING CIRCUIT	0			0	0			30
31	20	EXISTING CIRCUIT	0	0			0			32
33	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	60	34
35	20	EXISTING CIRCUIT	0			0	0			36
37	20	EXISTING CIRCUIT	0	0			0			38
39	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	100	40
41	20	EXISTING CIRCUIT	0			0	0			42
				0	0	0				

PANEL NO. PP2A SEC 2 SECTION 2
VOLTS 120/208 PH 3 W 4 G 1
MAIN CB – BUS – MIN. INTERRUPTING RATING – SYMM.
☐ RECESSED ☐ MAIN LUG ONLY ☒ SURFACE MOUNTED ☐ MAIN CB ☐ FEED THRU LUG

CKT NO.	TRIP (AMPS)	DESCRIPTION OF LOAD	LOAD (KVA)	PER PHASE KVA A	B	C	LOAD (KVA)	DESCRIPTION OF LOAD	TRIP (AMPS)	CKT NO.
43	20	EXISITNG CIRCUIT	0	0			0			44
45	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	60	46
47	20	EXISTING CIRCUIT	0			0	0			48
49	20	EXISTING CIRCUIT	0	0			0	EXISTING CIRCUIT	20	50
51	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	20	52
53	20	EXISTING CIRCUIT	0			0	0	EXISTING CIRCUIT	20	54
55	20	EXISTING CIRCUIT	0	0			0	EXISTING CIRCUIT	20	56
57	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	20	58
59	20	EXISTING CIRCUIT	0			0	0	EXISTING CIRCUIT	20	60
61	20	EXISTING CIRCUIT	0	0			0	EXISTING CIRCUIT	20	62
63	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	20	64
65	20	EXISTING CIRCUIT	0			0	0	EXISTING CIRCUIT	20	66
67	20	EXISTING CIRCUIT	0	0			0	EXISTING CIRCUIT	20	68
69	20	EXISTING CIRCUIT	0		0		0	EXISTING CIRCUIT	20	70
71	20	EXISTING CIRCUIT	0			0	0	EXISTING CIRCUIT	20	72
73	20	EXISTING CIRCUIT	0	0			0	EXISTING CIRCUIT	20	74
75	20	EXISTING CIRCUIT	0		0		0	ACCU-1 2#10 + 1#12G IN 3/4"C (2)	30	76
77	20	EXISTING CIRCUIT	0			0	0			78
79	20	EXISTING CIRCUIT	0	0			0	EXISTING SPARE	20	80
81	20	EXISTING CIRCUIT	0		0		0	EXISTING SPARE	20	82
83	20	EXISTING CIRCUIT	0			0	0	EXISTING SPARE	20	84
				0	0	0				

PANEL NO. ELP1 SECTION –
EXISTING PANEL
VOLTS 277/480 PH 3 W 4 G 1
MAIN CB 60A BUS – MIN. INTERRUPTING RATING – SYMM.
☐ RECESSED ☐ MAIN LUG ONLY ☒ SURFACE MOUNTED ☒ MAIN CB ☐ FEED THRU LUG

CKT NO.	TRIP (AMPS)	DESCRIPTION OF LOAD	LOAD (KVA)	PER PHASE KVA A	B	C	LOAD (KVA)	DESCRIPTION OF LOAD	TRIP (AMPS)	CKT NO.
1	20	EXISTING COOR LIGHTS	0	0			0	EXISTING LIGHT CONTROL PANEL	20	2
3	20	EXISTING COOR LIGHTS	0		0		0	EXISTING DATA RM LTS	20	4
5	20	EXISTING COOR LIGHTS	0			0	0	EXISTING SPARE	20	6
7	20	EXISTING CIRCUIT	0	0			0	EXISTING SPARE	20	8
9	20	EXISTING CIRCUIT	0		0		0	EXISTING SPARE	20	10
11	20	EXISTING CIRCUIT	0			0	0	EXISTING SPARE	20	12
13	20	EXTERIOR WALL-MOUNTED FIXTURES (1)	0.20	0.2			0	EXISTING SPARE	20	14
15	20	EXISTING SPARE	0		0		0	EXISTING SPARE	20	16
17	20	EXISTING SPARE	0			0	0	EXISTING SPARE	20	18
19	20	EXISTING SPARE	0	0			0	EXISTING SPARE	20	20
21	20	EXISTING SPARE	0		0		0	EXISTING SPARE	20	22
23	20	EXISTING SPARE	0			0	0	EXISTING SPARE	20	24
25	20	EXISTING SPARE	0	0			0	EXISTING SPARE	20	26
27	20	EXISTING SPARE	0		0		0	EXISTING SPARE	20	28
29	20	EXISTING SPARE	0			0	0	EXISTING SPARE	20	30
				0.2	0	0				

PANEL SCHEDULE KEYED NOTES:

(1) PROVIDE CIRCUIT USING EXISTING CIRCUIT BREAKER.

(2) REPLACE EXISTING SPARE CIRCUIT BREAKER WITH NEW CIRCUIT BREAKER TO FEED NEW LOAD

LIGHTING FIXTURE SCHEDULE

FIXTURE SYMBOL	FIXTURE DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMP TYPE	VOLTS	WATTS
	FLOOD LIGHT FIXTURE WITH INTEGRAL PHOTOCELL	EXO LIGHTING	RFL4-176L-120-4K7-W-UNV-T-PC	LED	UNV	124
	WALL-MOUNTED LIGHTING FIXTURE WITH INTEGRAL PHOTOCELL	MAXLITE	WCOP80U-CSBPC	LED	UNV	80
	IN-WALL LIGHTING FIXTURE WITH INTEGRAL PHOTOCELL	LITHONIA LIGHTING	TWX2 LWS ALO 40K MVOLT PE DDBTXD	LED	UNV	54

NOTE: ALL EXTERIOR LIGHTING SHALL BE CONTROLLED VIA INTEGRAL PHOTOCELL.

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107665
LICENSED PROFESSIONAL ENGINEER
LICENSE EXPIRATION DATE: 9/30/28

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
ELECTRICAL SCHEDULES

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE 30"x42"
DRAWING NO. E400
SCALE AS NOTED
DRAWN BY AR
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:21pm
FILE: C:\Users\ARaia\appdata\local\temp\AcPublish_9068\E-.dwg

SYMBOL LIST

PANEL AND CONTROL UNITS

FACP	FIRE ALARM CONTROL PANEL
COT	CENTRAL OFFICE TRANSMITTER

INITIATION DEVICES

TS	TAMPER SWITCH
WF	WATER FLOW SWITCH

FIRE ALARM GENERAL NOTES

1. FIRE ALARM CIRCUITS SHALL BE SIZED TO A MAXIMUM OF 80% OF CAPACITY.
2. CLASS AND STYLE OF WIRE: FIRE ALARM CIRCUITS SHALL BE WIRED NFPA CLASS B WITH THE EXCEPTION OF THE NETWORK CIRCUIT WHICH SHALL BE NFPA CLASS X (CLASS A WITH ISOLATION). NETWORK CIRCUIT RETURNS SHALL BE SEPARATED BY A MINIMUM OF 15 FEET. AUDIBLE AND VISUAL CIRCUITS SHALL BE CLASS B.
3. LOW VOLTAGE FIRE ALARM CONDUCTORS SHALL BE PROTECTED BY EITHER BUILDING CONSTRUCTION OR CONDUIT TO 8 FEET ABOVE THE FINISHED FLOOR. LOADING DOCKS, GARAGES, SUPPRESSION AND EXTINGUISHING SYSTEM WIRING, MECHANICAL AND ELECTRICAL ROOMS AND OTHER LOCATIONS SUBJECT TO PHYSICAL DAMAGE SHALL BE IN FULL RIGID CONDUIT.
4. FIRE ALARM CABLES SHALL NOT BE MIXED WITH NON FIRE ALARM CABLING. LOW VOLTAGE FIRE ALARM CABLING SHALL NOT BE MIXED OR WIRED NEAR ANY AC CIRCUIT.
5. LOW VOLTAGE WIRING SHALL BE FPLP 150 DEGREE C. ALL NOTIFICATION CIRCUITS SHALL BE A MINIMUM OF 14 AWG AND OTHER LOW VOLTAGE FIRE ALARM CIRCUITS SHALL BE 16 AWG MINIMUM.
6. POLARITY SHALL BE OBSERVED ON ALL CIRCUITS. T-TAPPING SHALL NOT BE ALLOWED ON ANY NOTIFICATION CIRCUITS (HORN, STROBE OR SPEAKER). T-TAPPING SHALL NOT BE PERMITTED ON ADDRESSABLE CIRCUITS WITHOUT THE EXPRESS PERMISSION OF THE ENGINEER.
7. NON-POWER LIMITED WIRING, INCLUDING CIRCUITS FOR CENTRALIZED AMPLIFIERS SHALL BE RUN IN A SEPARATE RACEWAY (NOTE: CENTRALIZED AMPLIFIERS "AMP RACKS" ARE NOT PERMITTED ON NEW SYSTEMS).
8. WIRING, POWER, CONDUCTORS, CONDUITS ETC. SHALL MEET THE 2017 NATIONAL ELECTRICAL CODE.
9. WORK SHALL BE IN ACCORDANCE WITH THE 2020 NYS BUILDING CODE.
10. FIRE ALARM CONTROL PANELS SHALL BE APPROVED BY THE FIRE DEPARTMENT.
11. CONDUITS MAY NOT ENTER THE TOP OF ANY FIRE ALARM CONTROL EQUIPMENT CABINET.
12. FIRE ALARM EQUIPMENT SHALL BE INSTALLED WITH AESTHETICS IN MIND. CABINETS SHALL BE SEMI FLUSH MOUNTED AND CABLE TRAYS SHALL BE HIDDEN.
13. FIRE ALARM JUNCTION BOXES SHALL BE PAINTED FIRE DEPARTMENT RED. FIRE ALARM CABINETS SHALL BE CLEARLY LABELED WITH A NYC APPROVED LAMINATE ENGRAVED LABEL.
14. FIRE ALARM WIRE SHALL BE CLEARLY LABELED IN JUNCTION BOXES AND CABINETS. TERMINALS SHALL BE NUMBERED AND LABELED. CONNECTIONS SHALL BE EITHER SOLDERED, APPROVED TERMINAL STRIPS OR SCOTCH LOCKS.
15. WIRING SHALL BE INSPECTED TO ASSURE THERE ARE NO OPENS, SHORTS OR EARTH GROUNDS.
16. DEVICE LOCATIONS SHALL BE READILY ACCESSIBLE TO ALLOW FOR MAINTENANCE AND REPAIR.
17. THE FIRE DEPARTMENT SHALL APPROVE THE PLANS PRIOR TO THE BEGINNING OF ANY WORK.
18. LOCATIONS OF ALL FIRE ALARM EQUIPMENT SHALL BE SUBJECT TO THE FIRE DEPARTMENT APPROVAL. NO CHANGE OR MODIFICATION TO THE SYSTEM OR PLANS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD. IF ANY CHANGES ARE MADE TO THE DRAWINGS PRIOR TO OR DURING INSTALLATION, AS BUILT PLANS SHALL BE PREPARED BY THE ENGINEER AND FILED WITH THE APPROPRIATE NYC AGENCIES FOR FINAL ACCEPTANCE.
19. THE CONTRACTOR SHALL PREPARE, SIGN AND SEAL ALL NECESSARY DOCUMENTS REQUIRED FOR INSPECTION AND TO OBTAIN A FINAL APPROVAL.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY AND ALL ABANDONED FIRE ALARM DEVICES, AND WIRE. PAINT, PATCH AND CLEANUP SHALL ALSO BE INCLUDED.

AUDIBLE NOTIFICATION DESIGN CRITERIA

AUDIBLE NOTIFICATION DEVICES – DESIGN CRITERIA	AMBIENT LEVEL	DESIGN GOAL
OFFICES	55 dBA	> 70dBA
CORRIDORS	55 dBA	> 70dBA
CLASSROOMS	45 dBA	> 60dBA
MECHANICAL ROOMS	85 dBA	> 100dBA
PLACES OF ASSEMBLY	55 dBA	> 70dBA
INSTITUTIONAL	50 dBA	> 65dBA
MERCANTILE	40 dBA	> 55dBA

PLOT PLAN



FIRE ALARM DRAWING LIST

FA001	FIRE ALARM COVER SHEET
FA100	FIRE ALARM CELLAR CONSTRUCTION PLAN
FA101	FIRE ALARM 1ST FLOOR CONSTRUCTION PLAN
FA102	FIRE ALARM 2ND FLOOR CONSTRUCTION PLAN
FA103	FIRE ALARM 3RD FLOOR CONSTRUCTION PLAN
FA200	FIRE ALARM RISER DIAGRAM

FIRE ALARM MATRIX

		CONTROL UNIT ANNUNCIATION							NOTIFICATION			REQUIRED FIRE SAFETY CONTROL				
		ACTUATE COMMON ALARM SIGNAL	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	DISPLAY/PRINT CHANGE OF STATUS	TRANSMIT WATERFLOW SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	RELEASE MAGNETICALLY HELD DOORS	CLOSE SMOKE/FIRE DAMPERS IN RATED WALLS	SHUT DOWN ALL FANS OVER 2000 CFM	ASSOCIATED DAMPER	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	
1	WATERFLOW	X	X					X	X			X	X	X	X	1
2	TAMPER SWITCH			X	X			X		X						2
3	FIRE ALARM AC FAILURE					X	X	X			X					3
4	FIRE ALARM SYSTEM LOW BATTERY					X	X	X			X					4
5	OPEN CIRCUIT					X	X	X			X					5
6	GROUND FAULT					X	X	X			X					6
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	

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GREGORIOS ASPRAS
107665
LICENSED PROFESSIONAL ENGINEER

LICENSE EXPIRATION DATE: 9/30/28

S.E.D. CONTROL NUMBER:

00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

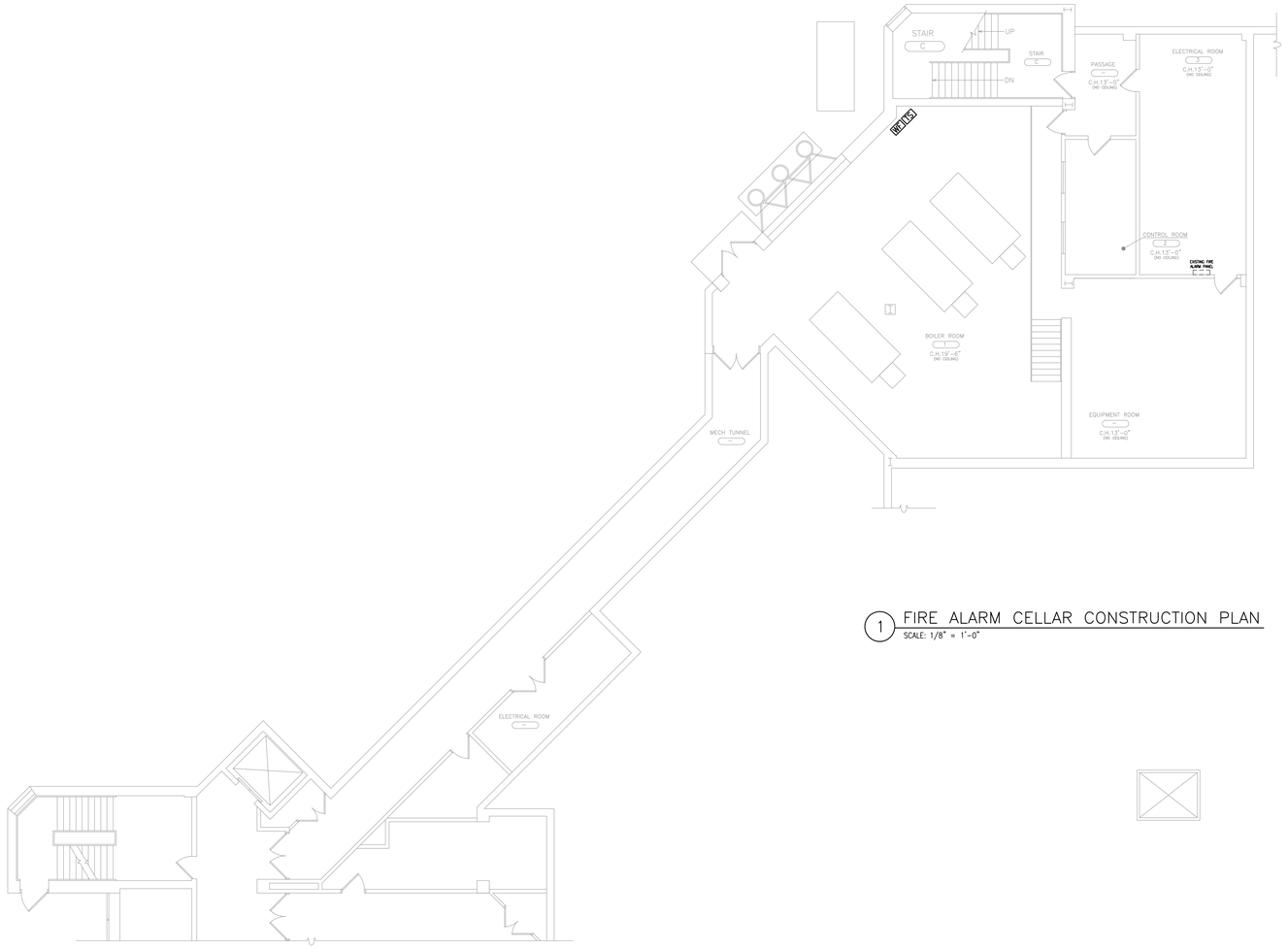
DRAWING TITLE
FIRE ALARM COVER SHEET

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE: 30"x42"
DRAWING NO.: FA001
SCALE: AS NOTED
DRAWN BY: AR
FILE NO.: 24522.00

PLOT DATE: March 18, 2026 - 4:20pm

FILE: P:\26000-y2024\26024 - WCC Science Building Upgrades_E FA\FA-.dwg



1 FIRE ALARM CELLAR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

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LICENSE EXPIRATION DATE: 9/30/28

S.E.D. CONTROL NUMBER:

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PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

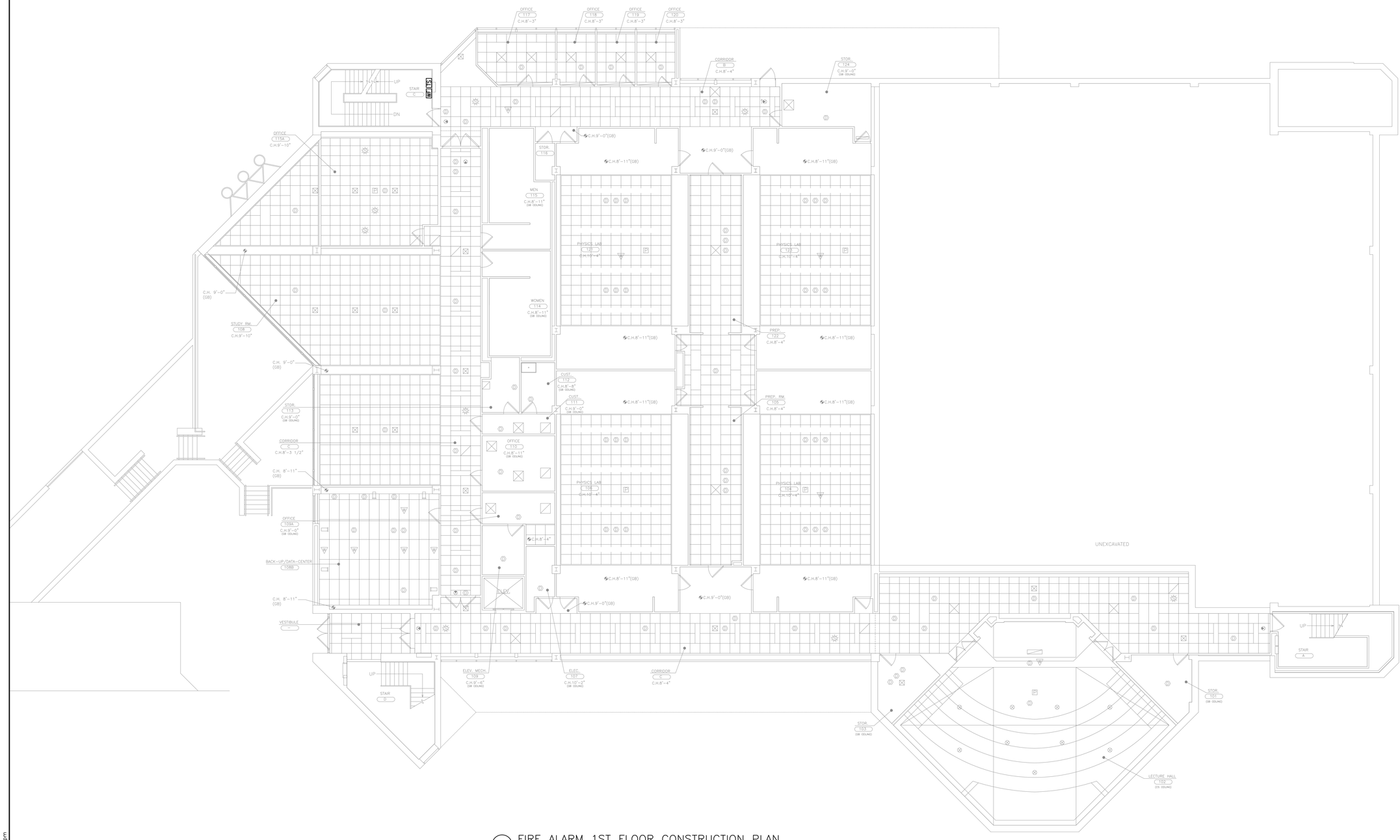
DRAWING TITLE
FIRE ALARM CELLAR CONSTRUCTION PLAN

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE 30"x42"
DRAWING NO. FA100
SCALE 1/8" = 1'-0"
DRAWN BY AR
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:20pm

FILE: P:\26000-y2024\26024 - WCC Science Building Upgrades_E FA\FA-.dwg



1 FIRE ALARM 1ST FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

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LICENSE EXPIRATION DATE: 9/30/28

S.E.D. CONTROL NUMBER:
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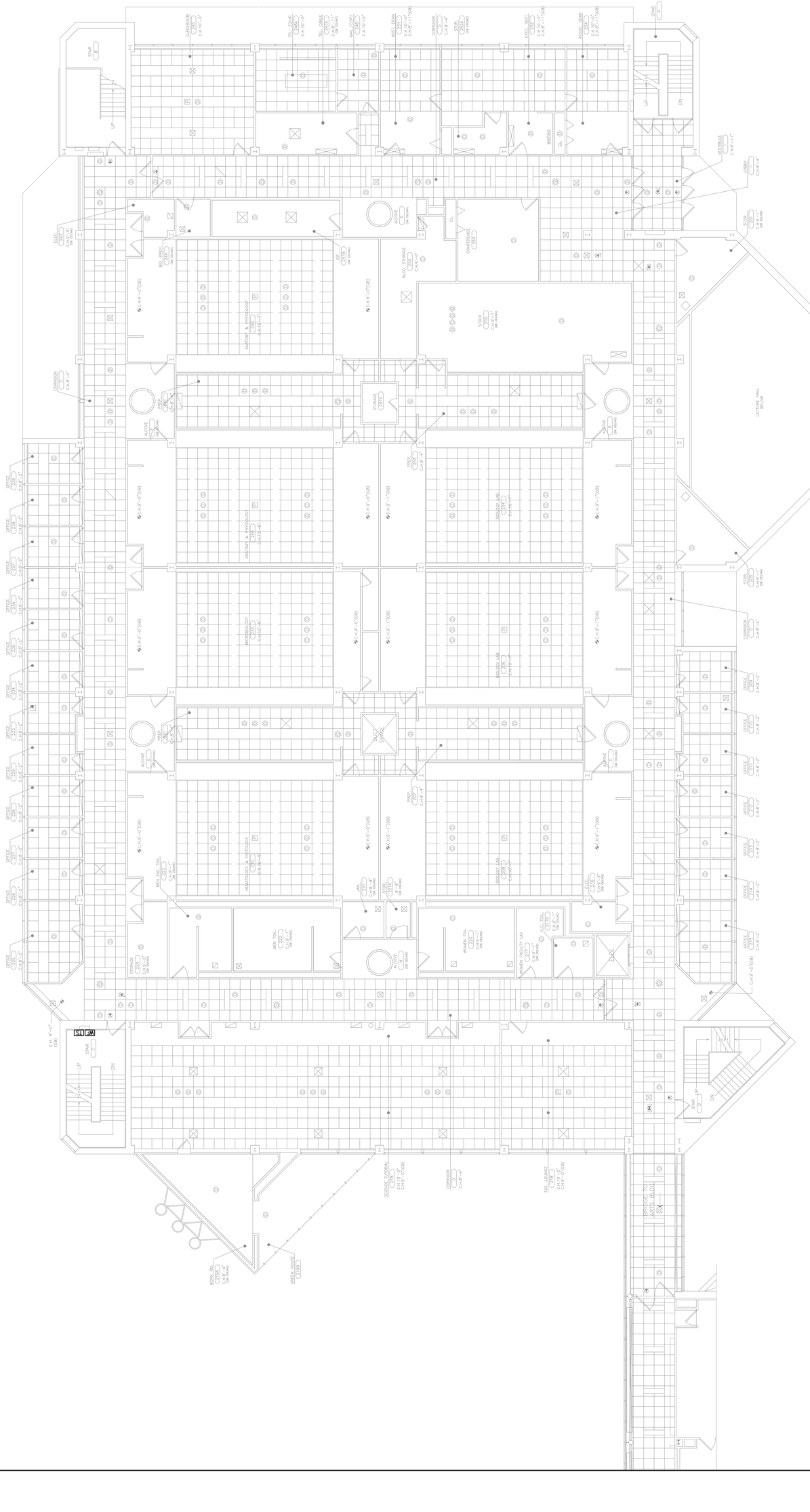
PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
FIRE ALARM 1ST FLOOR CONSTRUCTION PLAN

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE 30"x42"
DRAWING NO. FA101
SCALE 1/8" = 1'-0"
DRAWN BY AR
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:20pm
FILE: P:\26000-y2024\26024 - WCC Science Building Upgrades_E FA\FA-.dwg



1 FIRE ALARM 2ND FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

PROJECT TITLE	WESTCHESTER COMMUNITY COLLEGE SCIENCE BUILDING INFRASTRUCTURE 75 GRASSLANDS ROAD VALHALLA, NY 10596
DRAWING TITLE	FIRE ALARM 2ND FLOOR CONSTRUCTION PLAN
S.E.D. CONTROL NUMBER:	00-00-00-00-1-000-000
LICENSE EXPIRATION DATE: 8/30/26	

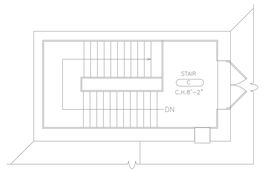
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03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
06-10-2024	ISSUE FOR 50% CD
04-26-2024	ISSUE FOR REVIEW
03-31-2024	ISSUE FOR PROGRESS

SHEET SIZE	30"x42"
SCALE	1/8" = 1'-0"
DRAWN BY	AR
DRAWING NO.	FA102
FILE NO.	24522.00

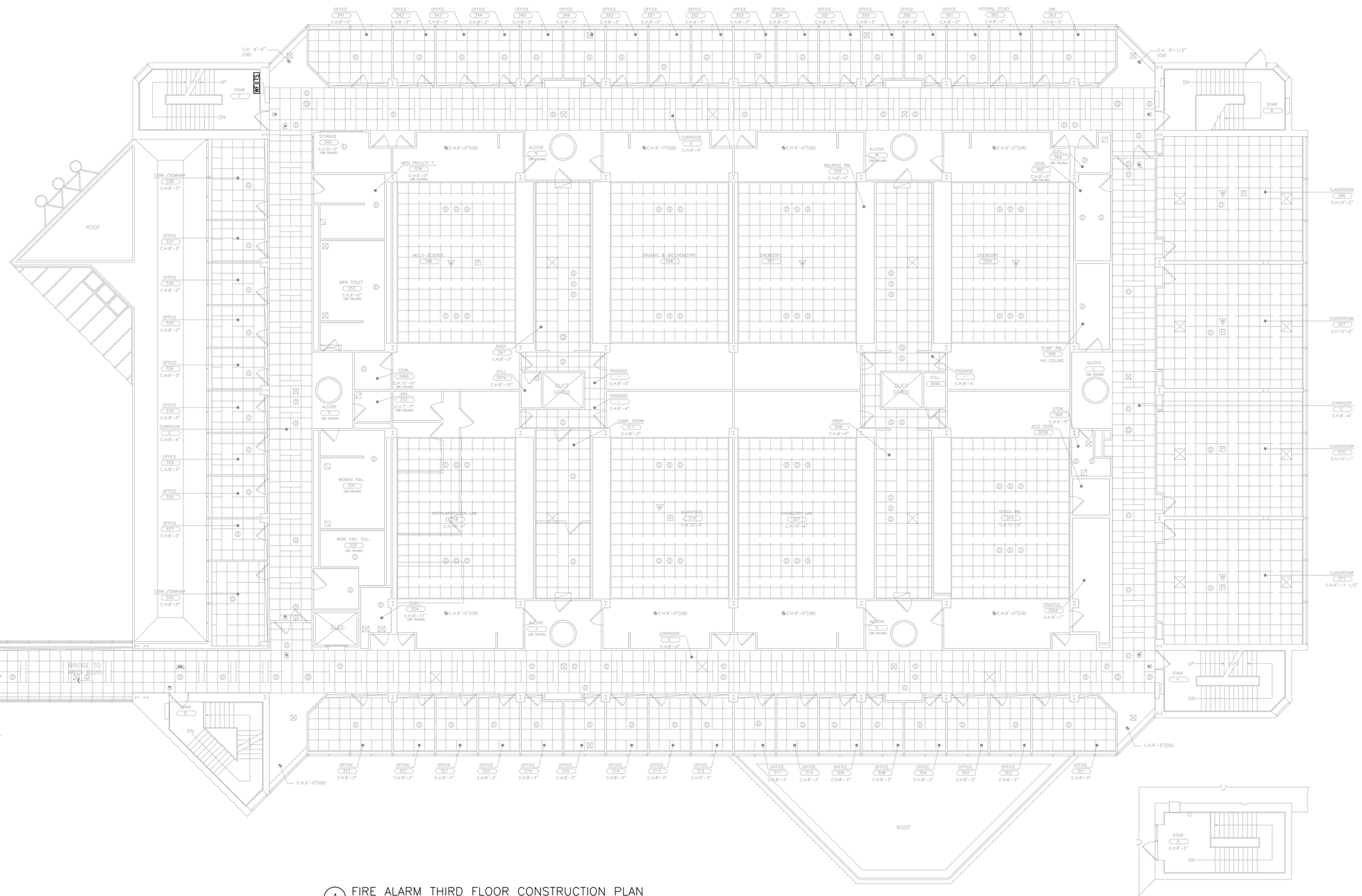
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3 ROOF PLAN - STAIR C
SCALE: 1/8" = 1'-0"



1 FIRE ALARM THIRD FLOOR CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

2 ROOF PLAN - STAIR A
SCALE: 1/8" = 1'-0"

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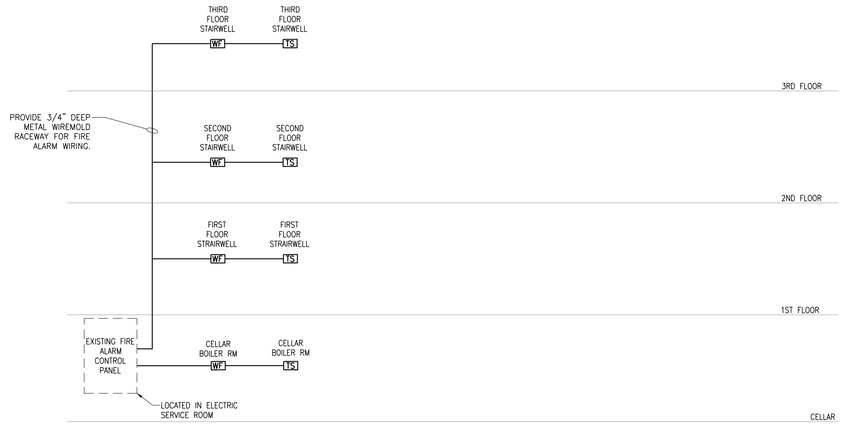
PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
FIRE ALARM 3RD FLOOR CONSTRUCTION PLAN

DATE	ISSUED TO
03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
08-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE 30"x42"
DRAWING NO. FA103
SCALE 1/8" = 1'-0"
DRAWN BY AR
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:20pm
FILE: P:\26000-y2024\26024 - WCC Science Building Upgrades_E FA\FA-.dwg



1 FIRE ALARM RISER DIAGRAM

SCALE: N/A

NOTES

1. COORDINATE EXTENT OF WORK WITH FIRE ALARM VENDOR PRIOR TO COMMENCING WORK.
   FIRE ALARM VENDOR CONTACT INFO:
   COMPANY: EVERON
   CONTACT PERSON: MR. JOHN CIROCCO
   TEL: 845-490-8305
2. PROVIDE ALL REQUIRED DEVICES/EQUIPMENT AND WIRING REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
3. ALL NEW COMPONENTS SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM.
4. INCLUDE ALL FIRE ALARM VENDORS AND FIRE DEPARTMENT COSTS.
5. TEST SYSTEM TO ENSURE COMPLETE FUNCTIONALITY OF ALL NEW AND EXISTING EQUIPMENT AND DEVICES. TESTING SHALL BE AS PER ALLOWANCE FIGURE INCLUDED AS PART OF THIS CONTRACT. COORDINATE TESTING REQUIREMENTS WITH CAMPUS.

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107665
LICENSED PROFESSIONAL ENGINEER

LICENSE EXPIRATION DATE: 9/30/28

S.E.D. CONTROL NUMBER:

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WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
FIRE ALARM RISER DIAGRAM

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08-16-2024	ISSUE FOR 95% CD
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05-31-2024	ISSUE FOR PROGRESS

SHEET SIZE 30"x42"
DRAWING NO. FA200
SCALE AS NOTED
DRAWN BY AR
FILE NO. 24522.00

PLOT DATE: March 18, 2026 - 4:20pm

FILE: P:\26000-y2024\26024 - WCC Science Building Upgrades_E FA\FA-.dwg

SYMBOLS

	BOTTOM PIPE CONNECTION
	ELBOW TURNED DOWN
	ELBOW TURNED UP/CONNECT TO VERTICAL LINE
	BALL/GLOBE VALVE
	DISCONNECT FROM EXISTING

PIPING LEGEND

	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	GC	GENERAL CONTRACTOR
BLDG	BUILDING	GPM	GALLONS PER MINUTE
BOP	BOTTOM OF PIPE	IN.	INCH
CLG	CEILING	IW	INDIRECT WASTE
CONN.	CONNECT	MAX	MAXIMUM
CONT.	CONTINUED/CONTINUATION	MIN	MINIMUM
CW	COLD WATER	N.I.C.	NOT IN CONTRACT
DIA	DIAMETER	NTS	NOT TO SCALE
DN	DOWN (PENETRATES FLOOR SLAB)	PSI	POUNDS PER SQUARE INCH (GAUGE)
DR	DRAIN	SQ. FT	SQUARE FOOT
DWG	DRAWING	TYP	TYPICAL
EX	EXISTING	UP	UP (PENETRATES FLOOR SLAB)
FD	FLOOR DRAIN	V	VENT
FL	FLOOR	VB	VACUUM BREAKER
FT	FEET	VIF	VERIFY IN FIELD
GAL	GALLONS		

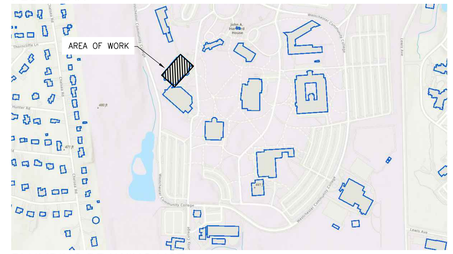
PLUMBING GENERAL NOTES

1. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING AND EQUIPMENT AND INDICATE THE REQUIRED SIZE AND POINTS OF TERMINATION OF THE PIPING AND SUGGEST PROPER ROUTING OF SAME. HOWEVER, IT IS NOT THE INTENTION OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS, OBSTRUCTIONS OR STRUCTURAL CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL HIS WORK IN SUCH A MANNER THAT IT WILL CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR WITHOUT FURTHER CONSTRUCTION OR COST.
2. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
3. COORDINATE THE EXACT SIZE AND LOCATION OF NEW OPENINGS. PATCH AND INSULATE AS REQUIRED. THE CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS OF PIPING, CONDUIT, DUCTWORK, ETC. THROUGH FIRE/ SMOKE BARRIERS. FIRE/SMOKE STOPPING SHALL BE 3M FIRE BARRIER CP 25 N/S CAULK UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL INCUR ALL COSTS AND BURDENS ASSOCIATED WITH LOST OR STOLEN EQUIPMENT AND MATERIALS.
5. DAILY, DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND EXCESS MATERIAL ACCUMULATED AS A RESULT OF HIS OPERATIONS. ALL AREAS AND EQUIPMENT AFFECTED UNDER THIS CONTRACT SHALL BE CLEAN OF DUST AND DEBRIS BEFORE FINAL ACCEPTANCE BY OWNER.
6. PROVIDE FOR LEGAL REMOVAL AND DISPOSAL OF ALL RUBBISH AND DEBRIS FROM THE BUILDING AND SITE.
7. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
8. PLUMBING WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE DEPARTMENT OF BUILDINGS ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
9. ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE BUREAU OF ELECTRICAL CONTROL ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
10. CONTRACTOR IS TO OBTAIN ALL PERMITS, PAY ALL FEES, CONNECTION CHARGES, ETC.
11. PAINT AND TOUCH-UP ALL SURFACES MARRED BY PERFORMANCE OF THE WORK.
12. ALL WORK SHOWN ON THESE DRAWINGS IS NEW UNLESS OTHERWISE NOTED.

PLUMBING DEMOLITION NOTES

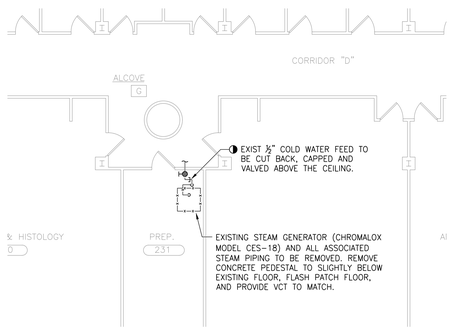
1. EACH BIDDER SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.
2. DRAWINGS INDICATE VISIBLE CONDITIONS PRIOR TO DEMOLITION. DEMOLITION MAY UNCOVER ADDITIONAL PIPING OR EQUIPMENT THAT SHOULD BE ADDRESSED. REMOVE ALL EXISTING COMPONENTS SERVING THE AREA THAT ARE NOT INDICATED TO BE REUSED OR TO RECEIVE NEW CONNECTIONS. ALERT ARCHITECT/ENGINEER OF ANY CONDITIONS WHERE THE INTENT IS NOT CLEAR.
3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT. LOCATIONS AND SIZES OF EXISTING PIPING ARE APPROXIMATE. EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING AND EQUIPMENT SHALL BE VERIFIED AT THE SITE.
4. NOTIFY BUILDING MANAGER AT LEAST 48 HOURS BEFORE DEMOLITION WORK OR BEFORE SHUT DOWN OF EXISTING SERVICES. RISER SHUT DOWNS SHALL BE PERFORMED AT TENANT'S COST, AT DESIGNATED TIMES UNDER BUILDING MANAGER'S SUPERVISION AND ONLY WITH HIS APPROVAL. WHERE THE WORK MAKES TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE, THEY SHALL BE MADE AT NIGHT OR AT TIMES THAT WILL CAUSE THE LEAST INTERFERENCE WITH THE ESTABLISHED OPERATING ROUTINE OF THE BUILDING.
4. THIS CONTRACTOR SHALL ARRANGE THE WORK CONTINUOUSLY, INCLUDING OVERTIME APPROVED BY ARCHITECT IF REQUIRED, TO ASSURE THAT SERVICES WILL BE SHUT DOWN AND CUT-INS PERFORMED ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO EXISTING WORK. ALL COSTS RESULTING FROM TEMPORARY SHUTDOWNS SHALL BE BORNE BY THE CONTRACTOR.
5. ANY AND ALL REQUIRED DEMOLITION WORK TO BE PERFORMED ABOVE EXISTING SUSPENDED CEILINGS AND FURRED OUT WALLS SHALL BE DONE AT THE TIME WHEN THE EXISTING CEILINGS AND FURRED OUT WALLS ARE REMOVED BY THE GENERAL CONTRACTOR.
6. REMOVE EXISTING PLUMBING FIXTURES AND PIPING IN THE AREA OF WORK. CUT AND CAP EXISTING WASTE, VENT, AND DOMESTIC LINES SERVING THESE FIXUTRES BACK TO ACTIVE LINES OR AS INDICATED ON THE DRAWINGS. ALL REMOVED PLUMBING FIXTURES SHALL BE TURNED OVER TO OWNER, DISPOSED, OR SALVAGED AS DIRECTED BY OWNER. UPON COMPLETION OF WORK, NO PIPING SHALL BE ABANDONED IN PLACE.
7. REMOVED EXISTING PIPING FITTINGS, VALVES, FIXTURES, ETC. SHALL NOT BE REUSED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
8. UNDER NO CIRCUMSTANCES WILL THIS CONTRACTOR OR HIS WORKMEN BE PERMITTED TO USE ANY PART OF THE BUILDING AS A SHOP, EXCEPT PARTS DESIGNATED BY THE OWNER FOR SUCH PURPOSES.
9. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL FROM THE PREMISES OF ALL DEBRIS RESULTING FROM PLUMBING WORK. UNNECESSARY NOISE SHALL BE AVOIDED AT ALL TIMES AND NECESSARY NOISE SHALL BE REDUCED TO A MINIMUM.
10. ALL EQUIPMENT AND INSTALLATIONS MUST BE EQUAL TO THE STANDARDS OF THE BASE BUILDING. ANY DEVIATION FROM BUILDING STANDARDS WILL BE PERMITTED ONLY IF INDICATED OR SPECIFIED ON THESE PLANS AND SPECIFICATIONS, AND APPROVED BY OWNER.
11. UPON COMPLETION OF WORK, EXISTING CONDITIONS OF BASE BUILDING MUST BE FULLY OPERATIONAL, INCLUDING ALL SANITARY PIPING PROPERLY VENTED. THIS CONTRACTOR SHALL MAKE NECESSARY CHANGES TO ENSURE THE COMPLETE FUNCTIONALITY OF ALL PLUMBING SYSTEMS.

PLOT PLAN

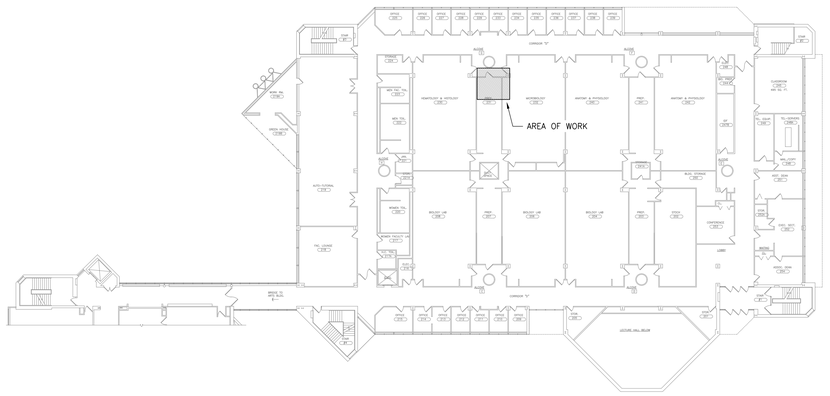


PLUMBING DRAWING LIST

P001	PLUMBING SYMBOLS, NOTES, 2ND FLOOR DEMOLITION PLAN, & KEY PLAN



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



2 SECOND FLOOR KEY PLAN
SCALE: NTS

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STATE OF NEW YORK
GEORGIOS ASPRAS
107665
LICENSED PROFESSIONAL ENGINEER
LICENSE EXPIRATION DATE: 9/30/28

S.E.D. CONTROL NUMBER:
00-00-00-00-0-000-000

PROJECT TITLE
WESTCHESTER COMMUNITY COLLEGE
SCIENCE BUILDING INFRASTRUCTURE
75 GRASSLANDS ROAD
VALHALLA, NY 10595

DRAWING TITLE
PLUMBING SYMBOLS, NOTES, 2ND FLOOR DEMOLITION PLAN AND KEY PLAN

03-27-2026	BID
08-13-2025	ISSUE FOR 95% CD
06-16-2024	ISSUE FOR 95% CD
06-07-2024	SCHEMATIC DESIGN
05-31-2024	ISSUE FOR PROGRESS
DATE	ISSUED TO

SHEET SIZE: 30"x42"
DRAWING NO.: P001
SCALE: AS NOTED
DRAWN BY: AK
FILE NO.: 24522.00

PLOT DATE: March 18, 2026 - 4:13pm
FILE: P:\26000-y2024\26024 - WCC Science Building Upgrades_P FP\P-.dwg