



CPL | Architecture Engineering Planning
26 IBM Road
Poughkeepsie, NY 12601
CPLteam.com



PROJECT INFORMATION

Project Number
R23.01124.00
Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name
2024 CAPITAL IMPROVEMENTS PROJECT
SOUTH ORANGETOWN MIDDLE SCHOOL

Building Address
160 VAN WYCK ROAD, BLAUVELT, NY 10913

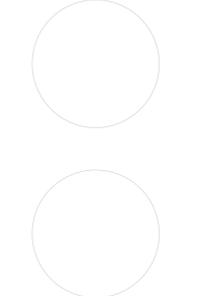
SED # 20-03-01-04-0-013-001

Registration Expiration Dates
Loreen Tansil 05/31/24
Anthony Marchetti 05/31/24
David Hoyt 02/28/25
Jennifer Wangender 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

Date Description

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION EXEMPTION

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONERS REGULATION FOR ANY PERSON, UNDER ANY TITLE, TO SIGN OR BE THE DESIGNER OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN EXEMPTION IN ANY WAY, IF AN EXEMPTION BEARING THE SIGNATURE OF THE ARCHITECT, ENGINEER OR LAND SURVEYOR IS SUBMITTED TO THE BOARD OF EDUCATION AND THE STATE EDUCATION BOARD AND THE SIGNATURE IS DELETED OR ALTERED IN ANY MANNER AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

Issued
05/15/24 Scale
As indicated
Project Status
BID DOCUMENTS
Drawn By
CPL Checked By
CPL
Drawing Title
LIFE SAFETY CODE PLAN LOWER LEVEL

Drawing Number
SOMS U100

LIFE SAFETY SYMBOL LEGEND

	EXIT
	ROOM NAME ROOM NUMBER ROOM AREA OCCUPANT LOAD FACTOR OCCUPANT LOAD
	MAXIMUM TRAVEL DISTANCE TO EXIT 20' - 0"
	1 HOUR RATED FIRE BARRIER

LIFE SAFETY CODE SUMMARY

BUILDING OCCUPANCY: E, EDUCATIONAL

CONSTRUCTION CLASSIFICATION: TYPE IIB

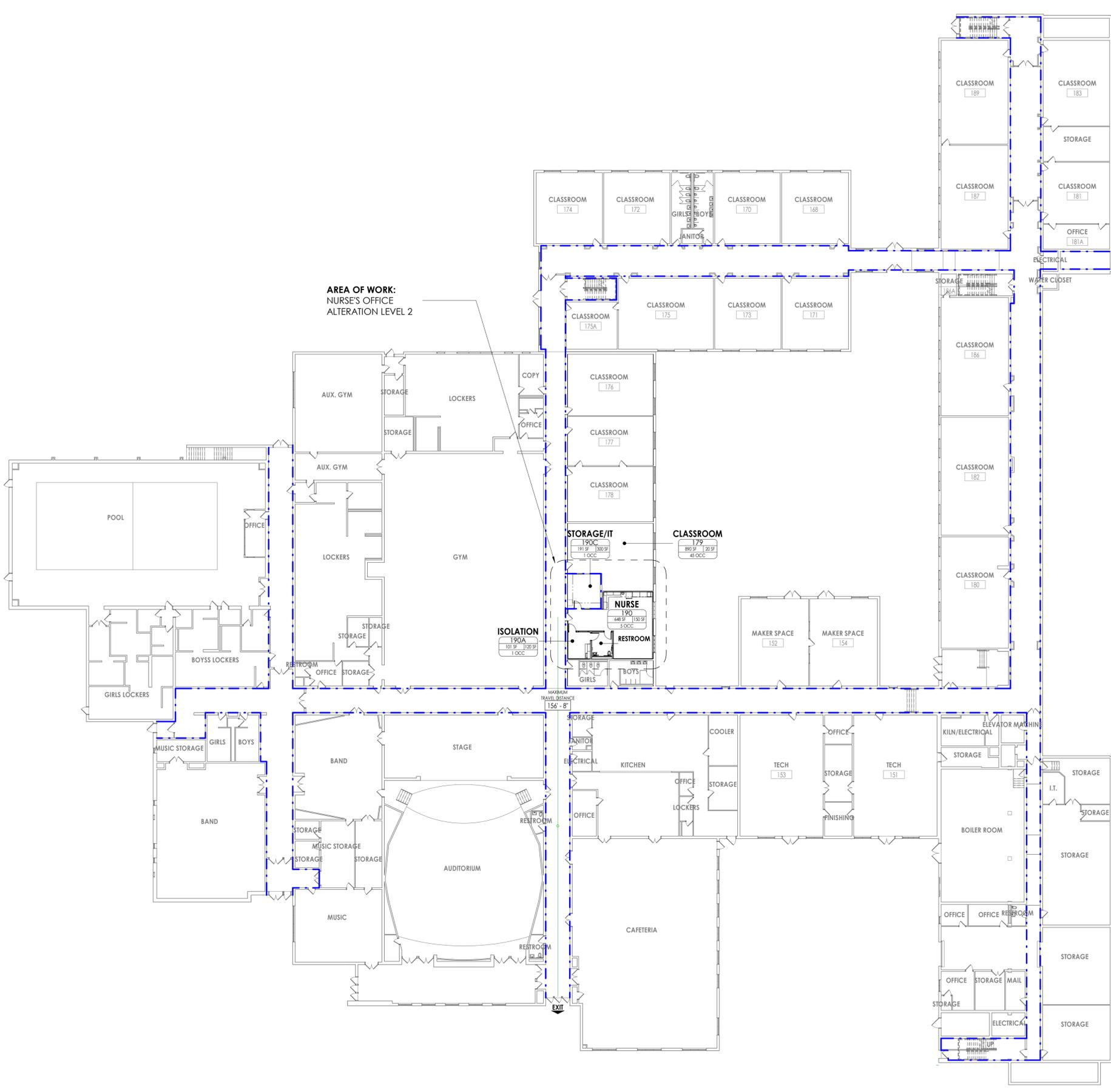
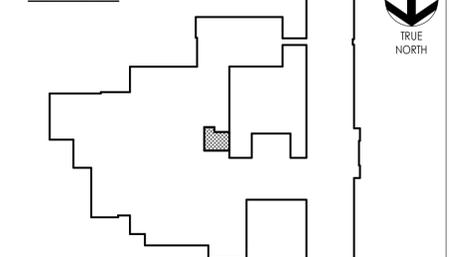
BUILDING HEIGHT & AREA LIMITATIONS:

NO CHANGE TO BUILDING AREA

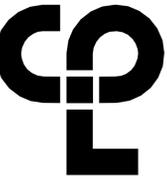
DESIGN CRITERIA NOTES

- GENERAL BUILDING CODE**
THE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE 2020 BUILDING CODE OF NEW YORK STATE.
- RISK CATEGORY OF BUILDING AND OTHER STRUCTURES**
THE BUILDING HAS BEEN ASSIGNED AN RISK CATEGORY IN ACCORDANCE WITH PREVIOUSLY MENTIONED BUILDING CODE WITH THE FOLLOWING CRITERIA:
A. RISK CATEGORY: III, GROUP E OCCUPANCY
- DEAD AND LIVE LOADS**
A. THE DEAD LOADS ARE THE SELF WEIGHT OF MATERIALS OF CONSTRUCTION INCORPORATED INTO AND ON THE BUILDING.
B. THE UNIFORMLY DISTRIBUTED AND/OR CONCENTRATED LIVE LOADS USED IN THE DESIGN OF THE BUILDING ARE BASED ON THE FOLLOWING INTENDED USE OR OCCUPANCIES:
a. CORRIDORS: 100 POUNDS PER SQUARE FOOT (PSF)
b. CORRIDORS ABOVE FIRST FLOOR: 80 PSF
c. STAIRS AND EXITS: 100 PSF / 300 LB ON TREADS, 4 SQUARE INCH AREA
d. LOBBIES: 100 PSF
e. CLASSROOM: 40 PSF
f. OFFICE: 50 PSF
g. ROOFS: 20 PSF / 300 LB ON MAINTENANCE SURFACE
- ROOF SNOW LOAD DATA**
SNOW LOADS ARE BASED ON CHAPTER 7 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE FOLLOWING CRITERIA:
A. GROUND SNOW LOAD (Pg): 30 PSF
B. FLAT-ROOF SNOW LOAD (Pf): 23.1 PSF
C. SNOW EXPOSURE FACTOR (Ce): 1.0
D. SNOW LOAD IMPORTANCE FACTOR (Is): 1.10
E. THERMAL FACTOR (Ct): 1.0
F. DRIFT SURCHARGE LOADS (Pd): N/A
G. WIDTH OF SNOW DRIFTS (w): N/A
- WIND DESIGN DATA**
WIND PRESSURES ARE BASED ON CHAPTER 26 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE FOLLOWING CRITERIA:
A. ULTIMATE DESIGN WIND SPEED (Vult): 123 MPH (3 SECOND GUST)
B. NOMINAL DESIGN WIND SPEED (Vasd): 96 MPH
C. RISK CATEGORY: III
D. WIND EXPOSURE CATEGORY: B
E. INTERNAL PRESSURE COEFFICIENT (GCPI): +0.18/-0.18
F. COMPONENTS AND CLADDING: +24 / -32 PSF
- SEISMIC DESIGN DATA**
THE STRUCTURE AND COMPONENTS OF THE BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED BUILDING CODE WITH THE FOLLOWING CRITERIA:
A. RISK CATEGORY: III
B. SEISMIC IMPORTANCE FACTOR, Ie: 1.25
C. 0.2 SEC. MAPPED SPECTRAL ACCELERATION (Sa): 0.299G
D. 1 SEC. MAPPED SPECTRAL ACCELERATION (S1): 0.062G
E. SITE CLASS: D
F. 0.2 SEC SPECTRAL RESPONSE COEFF. (SDS): 0.311G
G. 1 SEC SPECTRAL RESPONSE COEFF. (SD1): 0.098G
H. SEISMIC DESIGN CATEGORY: B
I. BASIC SEISMIC-FORCE RESISTING SYSTEM: MASONRY BEARING WALLS
DESIGN SEISMIC BASE SHEAR (KBS): N/A
J. SEISMIC RESPONSE COEFFICIENT, Cs: 0.0171X
L. RESPONSE MODIFICATION FACTOR, R: 2.0
M. ANALYTICAL PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE (ELFP)
- SEISMIC DEMANDS ON NONSTRUCTURAL COMPONENTS**
SEISMIC DEMAND ON NONSTRUCTURAL COMPONENTS AND CONNECTIONS OF THOSE COMPONENTS TO THE PRIMARY STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED BUILDING CODE, THE GENERAL SEISMIC CRITERIA LISTED ABOVE, AND THE REQUIREMENTS OF ASCE 7, CHAPTER 13 AS APPROPRIATE.
- GEOTECHNICAL INFORMATION**
THE STRUCTURE HAS BEEN DESIGNED BASED ON THE ASSUMED FOLLOWING CRITERIA:
A. ALLOWABLE BEARING: 2,000 PSF
B. SUBGRADE MODULUS: 100 PCI
- FLOOD DESIGN CRITERIA**
THE BUILDING IS NOT LOCATED IN WHOLE OR IN PART WITHIN A FLOOD HAZARD AREA AS ESTABLISHED PER THE PREVIOUSLY MENTIONED BUILDING CODE.
- ROOF RAIN LOAD DATA**
RAIN INTENSITY: 2.75 IN/HR
- ROOF TOP EQUIPMENT ANCHORAGE**
ALL ROOF TOP EQUIPMENT CURBS, MECHANICAL EQUIPMENT, TIE DOWNS, AND CONNECTIONS OF ALL EQUIPMENT TO BUILDING STRUCTURE FOR WIND AND SEISMIC LOADING ARE TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE EQUIPMENT SUPPLIER.

KEY PLAN:



AREA OF WORK:
NURSE'S OFFICE
ALTERATION LEVEL 2



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Capital Improvements Bond

Essential Infrastructure for Student Health, Safety and Success

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Project Name
2024 CAPITAL IMPROVEMENTS PROJECT

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160 VAN WYCK ROAD, BLAUVELT, NY 10913

SED # 20-03-01-04-0-013-031

Registration Expiration Dates
Loreen Tanso 05/30/24
Anthony Marchetti 05/31/24
Diane Hoff 02/28/25
Jennifer Wangender 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
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PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION STATEMENT

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SHEET INFORMATION

Issued 05/15/24 Scale 1/4" = 1'-0"

Project Status
BID DOCUMENTS

Drawn By CPL Checked By CPL

Drawing Title
ASBESTOS ABATEMENT PLAN

Drawing Number

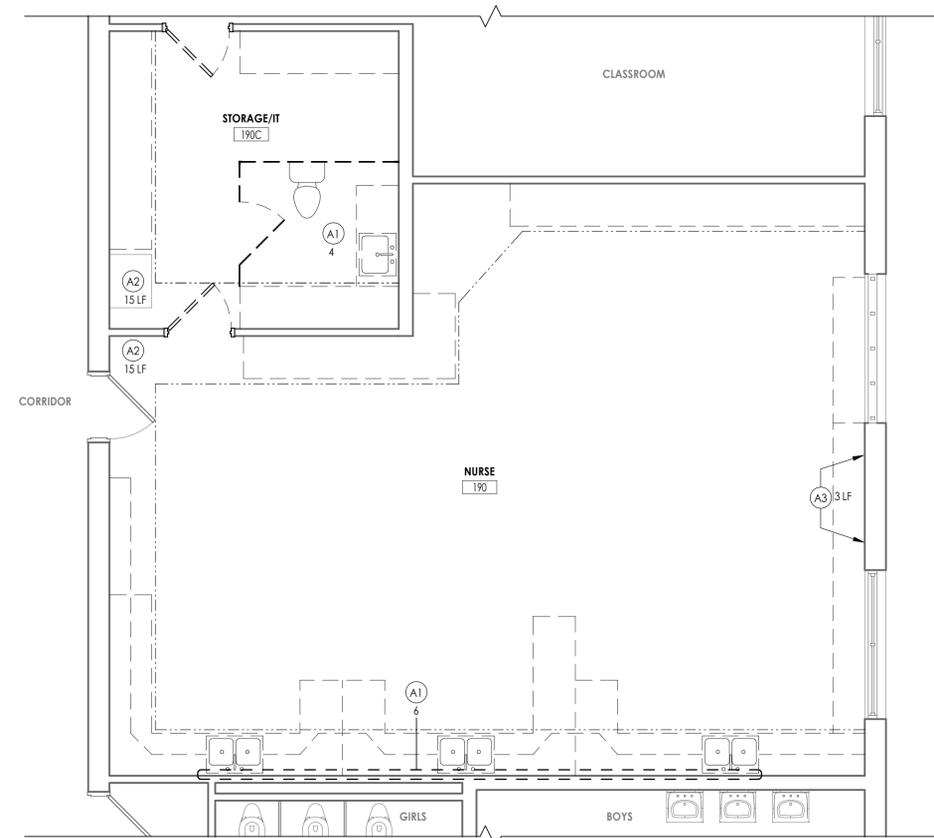
SOMS
HZ100

ASBESTOS ABATEMENT GENERAL NOTES

- ALL DRAWINGS ARE A GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS TO BE ABATED. IF THERE ARE ANY DISCREPANCIES WITH WHAT EXISTS TO WHAT IS INDICATED IN THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL REPORT THE DISCREPANCY TO THE ARCHITECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS, QUANTITIES AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK.
- ABATEMENT PLAN NOTES THAT POINT TO A SPECIFIC ITEM INDICATES ABATEMENT OF THAT ITEM. ABATEMENT PLAN NOTES THAT DO NOT POINT TO A SPECIFIC ITEM INDICATES ABATEMENT WITHIN THE ENTIRE ROOM, CORRIDOR, ETC.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATION, OSHA 29 CFR 1926.1101, USEPA 40 CFR PART 763 AND 40 CFR PART 61 - SUB PART M, NYS INDUSTRIAL CODE RULE 56 AND ANY APPROPRIATE APPLICABLE AND/OR SITE SPECIFIC VARIANCES.
- THE LOCATION OF ANY ON-SITE STORAGE OF MATERIALS, EQUIPMENT, DECONTAMINATION FACILITIES AND DUMPSTER/WASTE TRAILER SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE AND ARCHITECT.
- WHERE APPLICABLE, CONTRACTOR SHALL ENSURE ALL ELECTRICAL CIRCUITS WITHIN THEIR WORK AREAS ARE PROPERLY LOCKED/TAGGED IN ACCORDANCE WITH OSHA 29 CFR 1926.417.
- ANY QUANTITIES PROVIDED ON THE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL JOB CONDITIONS AND MATERIAL QUANTITIES PRIOR TO BIDDING.

ASBESTOS ABATEMENT KEY NOTES

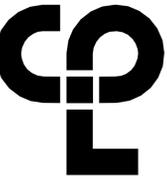
- (A1) REMOVE BY ABATEMENT, ASBESTOS CONTAINING PIPE FITTING PER QUANTITY SHOWN
- (A2) REMOVE BY ABATEMENT, ASBESTOS CONTAINING PIPE INSULATION WITHIN GYP. SOFFIT PER QUANTITY SHOWN
- (A3) REMOVE BY ABATEMENT, TACK BOARD AND MASTIC



1 NURSE'S OFFICE ASBESTOS ABATEMENT PLAN
1/4" = 1'-0"

KEY PLAN:





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Capital Improvements Bond

Essential Infrastructure for Student Health, Safety and Success

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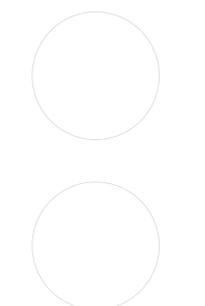
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Registration Expiration Dates
Loreen Tanso 05/30/24
Anthony Marchetti 05/31/24
David Hoff 02/28/25
Jennifer Wangender 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

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PROFESSIONAL STAMPS



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SHEET INFORMATION

Issued
05/15/24 Scale As indicated

Project Status
BID DOCUMENTS

Drawn By
CPL Checked By
CPL

Drawing Title
NURSE'S OFFICE DEMOLITION FLOOR PLAN & ROOF PLAN

Drawing Number
SOMS A100

DEMOLITION ROOF PLAN GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND DETAILS INVOLVED IN THE DEMOLITION WORK.
- THE OWNER SHALL PROVIDE THE CONTRACTOR WITH A LIST OF ALL ITEMS TO BE SALVAGED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT ADJACENT SURFACES AND FINISHES NOT SCHEDULED FOR DEMOLITION WORK AND SHALL REPAIR ANY DAMAGED AREAS AS A RESULT OF CONTRACTED WORK AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WORK WITH THE OVERALL PROJECT PHASING.
- THE CONTRACTOR SHALL MAINTAIN AND CONTINUE SAFE ACCESS TO ALL EXITS FOR THE BUILDING OCCUPANTS DURING CONSTRUCTION.

DEMOLITION ROOF PLAN KEY NOTES

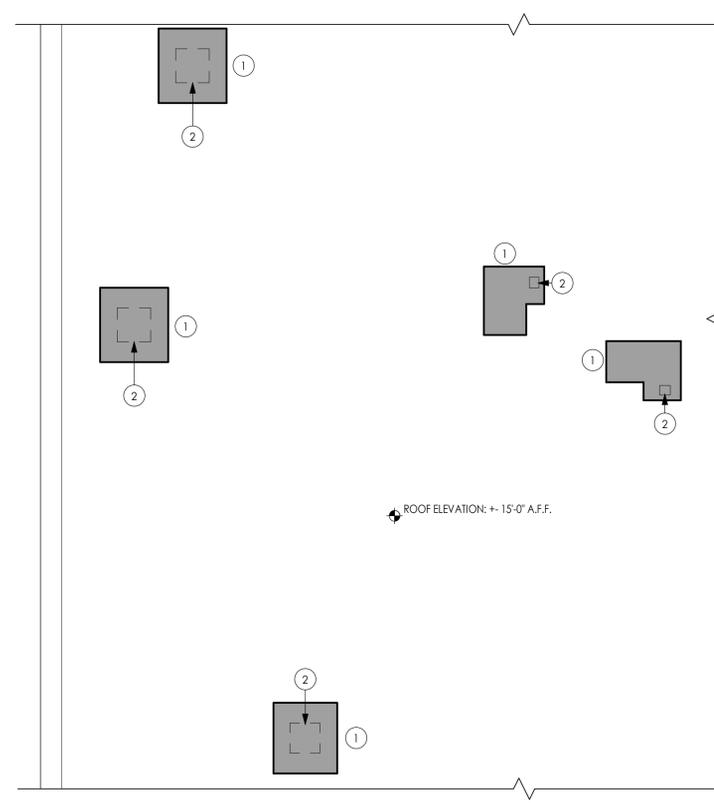
- 1 REMOVE ROOF SYSTEM DOWN TO ROOF DECK
- MC TO CUT AND REMOVE ROOF DECK TO FACILITATE MECHANICAL WORK.
GC TO PROVIDE STRUCTURAL SUPPORT PER ROOF OPENING SUPPORT DETAIL. COORDINATE WITH MC FOR EXACT SIZE AND LOCATION.

DEMOLITION GENERAL NOTES

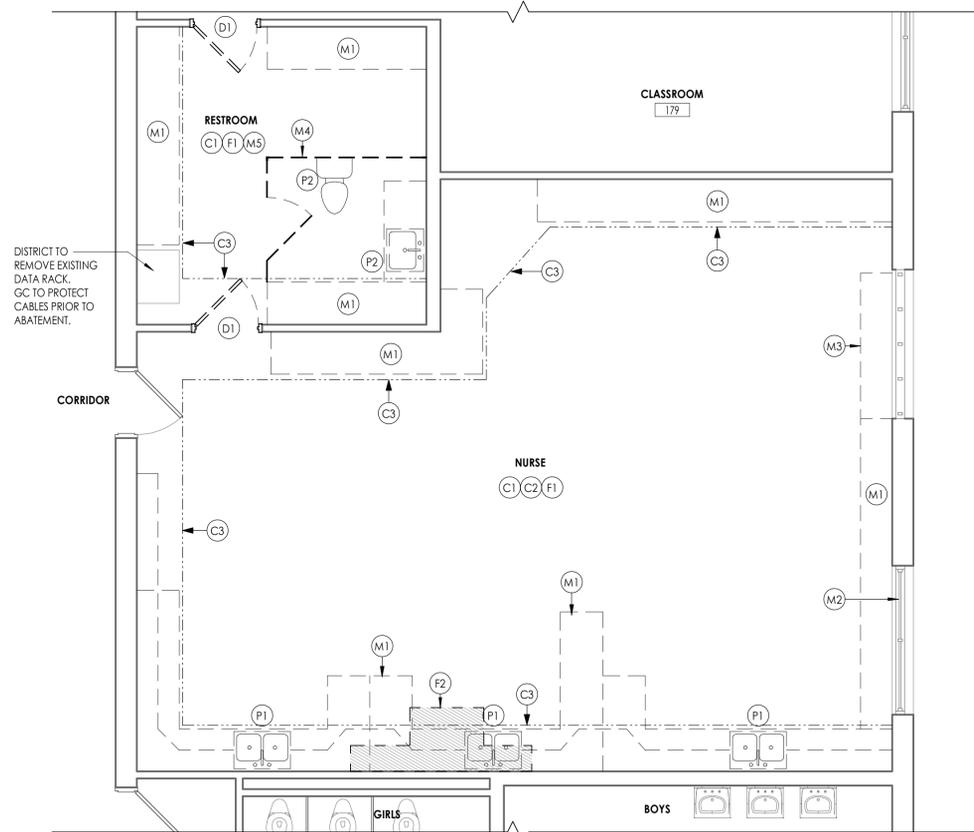
- ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF MATERIALS TO BE REMOVED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS & DIMENSIONS PRIOR TO COMMENCEMENT OF ALL DEMOLITION WORK.
- REFER TO THE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR DEMOLITION OF EXISTING UTILITIES AND SERVICES.
- THE OWNER SHALL PROVIDE THE CONTRACTOR WITH A LIST OF ALL ITEMS TO BE SALVAGED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT ADJACENT SURFACES AND FINISHES NOT SCHEDULED FOR DEMOLITION WORK AND SHALL REPAIR ANY DAMAGED AREAS AS A RESULT OF CONTRACTED WORK AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WORK WITH THE OVERALL PROJECT PHASING.
- WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOM CLEANED AT END OF EACH DAY.
- THE CONTRACTOR SHALL MAINTAIN AND CONTINUE SAFE ACCESS TO ALL EXITS FOR THE BUILDING OCCUPANTS DURING CONSTRUCTION.
- IN THE CASE THAT ANY SUSPICIOUS MATERIALS ARE UNCOVERED THAT APPEAR TO CONTAIN HAZARDOUS MATERIALS SUCH AS BUT NOT LIMITED TO MOLD, LEAD PAINT OR ASBESTOS, LEAVE THE PREMISES AND NOTIFY THE OWNER & ABATEMENT CONTRACTOR FOR REQUIRED TESTING AND/OR REMOVALS.

DEMOLITION KEY NOTES

- (C1) REMOVE EXISTING PLASTER CEILING IN ITS ENTIRETY.
- (C2) REMOVE CEILING-MTD CURTAIN TRACK
- (C3) REMOVE LATH & PLASTER SOFFIT IN ITS ENTIRETY.
- (D1) REMOVE DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.
- (F1) REMOVE VCT FLOORING AND WALL BASE IN ITS ENTIRETY.
- (F2) SAWCUT & REMOVE SLAB TO FACILITATE UNDERGROUND PLUMBING WORK. COORDINATE W/ PC FOR FINAL LOCATION
- (M1) REMOVE CASEWORK
- (M2) REMOVE EXISTING AC UNIT AND RETURN TO OWNER.
- (M3) EXISTING U.V. REMOVED BY M.C.
- (M4) REMOVE TOILET PARTITIONS
- (M5) REMOVE AND SALVAGE TOILET ACCESSORIES FOR RE-INSTALLATION
- (P1) P.C. TO REMOVE EXISTING SINKS. REFER TO PLUMBING DRAWINGS.
- (P2) P.C. TO REMOVE RESTROOM FIXTURES. REFER TO PLUMBING DRAWINGS.

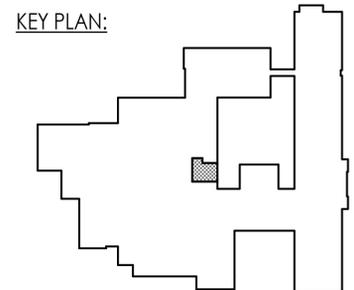


2 PARTIAL DEMOLITION ROOF PLAN - NURSE'S OFFICE AREA
A100 1/4" = 1'-0"



1 NURSE'S OFFICE DEMOLITION PLAN
A100 1/4" = 1'-0"

KEY PLAN:





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Capital Improvements Bond
Essential Infrastructure for Student Health, Safety and Success

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PROJECT ISSUE & REVISION SCHEDULE

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PROFESSIONAL STAMPS

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SHEET INFORMATION

Issued: 05/15/24	Scale: As indicated
Project Status: BID DOCUMENTS	Checked By: CPL
Drawn By: CPL	Checked By: CPL
Drawing Title: NURSE'S OFFICE NEW WORK FLOOR PLAN, ROOF PLAN & REFLECTED CEILING PLAN	

Drawing Number: **SOMS A200**

FLOOR PLAN GENERAL NOTES

- ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE FROM FACE OF STUD TO FACE OF STUD UNLESS OTHERWISE NOTED.
- SEE SHEET A400 FOR INTERIOR PARTITION TYPES.
- SEE A900S FOR INTERIOR AND EXTERIOR DOORS AND WINDOWS.
- WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
- COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
- REFER TO A701 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.
- REFER TO A701 FOR FURNISH AND INSTALL SCOPE OF EQUIPMENT AND ACCESSORIES.
- EQUIPMENT SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY AND ARE FOR COORDINATION OF M.E.P. INFRASTRUCTURE TO OPERATE ITEMS INCLUDED UNDER THE SCOPE.
- REFER TO OWNER FURNISHED EQUIPMENT DRAWINGS AND SUBMITTALS FOR FINAL COORDINATION AND INSTALLATION REQUIREMENTS INCLUDING BUT NOT LIMITED TO: DIMENSIONS, LOCATIONS & MEP CONNECTION LOCATION.
- ALL FURNITURE IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE.
- ALL EXISTING EXPANSION JOINT COVERS OR ASSEMBLIES ARE TO BE PROTECTED AND MAINTAINED DURING THE COURSE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- PROVIDE CONCRETE FLOOR PATCH AND FLOOR LEVELING AT EXISTING CONCRETE FLOORS FOR NEW FINISHES.

FLOOR PLAN LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

DOOR	DOOR TARGET, SEE SCHEDULE	WINDOW TARGET, SEE SCHEDULE
COLUMN LINE IDENTIFICATION	ROOM NAME H1234.2 150 SF 10'-0" x 10'-0"	ROOM TAG
SECTION MARK	XXX	WALL TYPE SEE A/400
INTERIOR ELEVATION MARK	1 A4.1	DETAIL FOR REFERENCE MARK
EXTERIOR ELEVATION MARK	3 A301	DENOTES FINISH FLOOR GRADE ELEVATION

FLOOR PLAN KEY NOTES

- INFILL EXTERIOR MASONRY WALL AT DEMOLISHED U.V. LOCATIONS. REFER TO DETAIL 1/A800
- INSTALL OWNER SUPPLIED GLAZING AT OPENING WITH NEW STOPS. REFER TO A900
- NEW CASEWORK BY OTHERS. GC TO PROVIDE BLOCKING AND WALL BASE. REFER TO INTERIOR ELEVATIONS AND A800 SERIES FOR DETAILS
- PROVIDE SLAB INFILL PER DETAIL 8/P201 & 4/A800
- INFILL EXISTING 4" CMU WALL WITH 1 HR RATED ASSEMBLY: 2.5" MTL. STUDS & GYPSUM BOARD. NEW GYP TO BE FLUSH ON CLASSROOM SIDE
- EXISTING DATA RACK TO BE REINSTALLED BY DISTRICT
- PATCH WALL BASE TO MATCH EXISTING AT NEW WALL. PAINT WALL CORNER TO CORNER. FLOOR TO CEILING TO MATCH EXISTING.
- PROVIDE AND INSTALL MEDICUS HEALTH DOUBLE LOCK DOUBLE LOCK NARCOTICS CABINET ITEM #2976M1, OR EQUAL. VERIFY LOCATION WITH ARCHITECT PRIOR TO INSTALLATION
- ROOM SIGN - REFER TO 10/A900
- REFRIGERATOR AND WATER COOLER PROVIDED AND INSTALLED BY DISTRICT.
- REFER TO RCP & A400 SHEET FOR SHAFT WALL DETAIL AND EXTENTS
- INFILL MASONRY WALL AT DUCT REMOVAL ABOVE CEILING. REFER TO RCP.

ROOF PLAN GENERAL NOTES

- ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS. FIELD VERIFY ALL CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK. REFER TO ALL DRAWINGS IN THE SET FOR LOCATIONS OF ALL ROOF PENETRATIONS. PROVIDE FRAMING AS REQUIRED.
- WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN AT THE END OF EACH DAY.
- ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED.
- THE ROOF ELEVATIONS SHOWN ON THE PLAN ARE SHOWN TO ESTABLISH RELATIVE HEIGHTS OF THE INDIVIDUAL ROOFS.
- NO WEEP HOLES SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE DIRECTED.
- MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
- PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
- ALL ROOF TOP UNITS SHALL BE MOUNTED ON 16" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 12" ABOVE FINISHED ROOF SURFACE.
- ALL SADDLES AND CRICKETS ARE TO HAVE A MIN. 1/4" PER FOOT SLOPE AS INDICATED. PROVIDE CRICKETS FOR DIVERSION OF WATER AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO SLOPE OF INSULATION.
- AT ALL MECHANICAL EQUIPMENT, PROVIDE SLOPED INSULATION AS REQUIRED TO DRAIN ROOF WATER AWAY FROM HIGH SIDE OF CURBS.
- ALL CURBS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR. ASSOCIATED ROOF FLASHING BY GENERAL CONTRACTOR.
- THE INSTALLED ROOFING SYSTEM SHALL MEET ALL REQUIREMENTS FOR CLASSIFICATION AS A UL CLASS "A" ROOF ASSEMBLY.

ROOF PLAN LEGEND

	PROVIDE NEW ROOFING SYSTEM TO MATCH EXISTING
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ROOF PLAN KEY NOTES

- MECHANICAL EQUIPMENT SUPPORT RAIL OR ROOF CURB PROVIDED & INSTALLED BY M.C. G.C. TO FLASH INTO EXISTING ROOFING & PATCH ROOFING TO MATCH EXISTING AS REQ'D.
- PENETRATION CURB PROVIDED & INSTALLED BY M.C. GC TO FLASH INTO EXISTING ROOFING

GENERAL CEILING NOTES

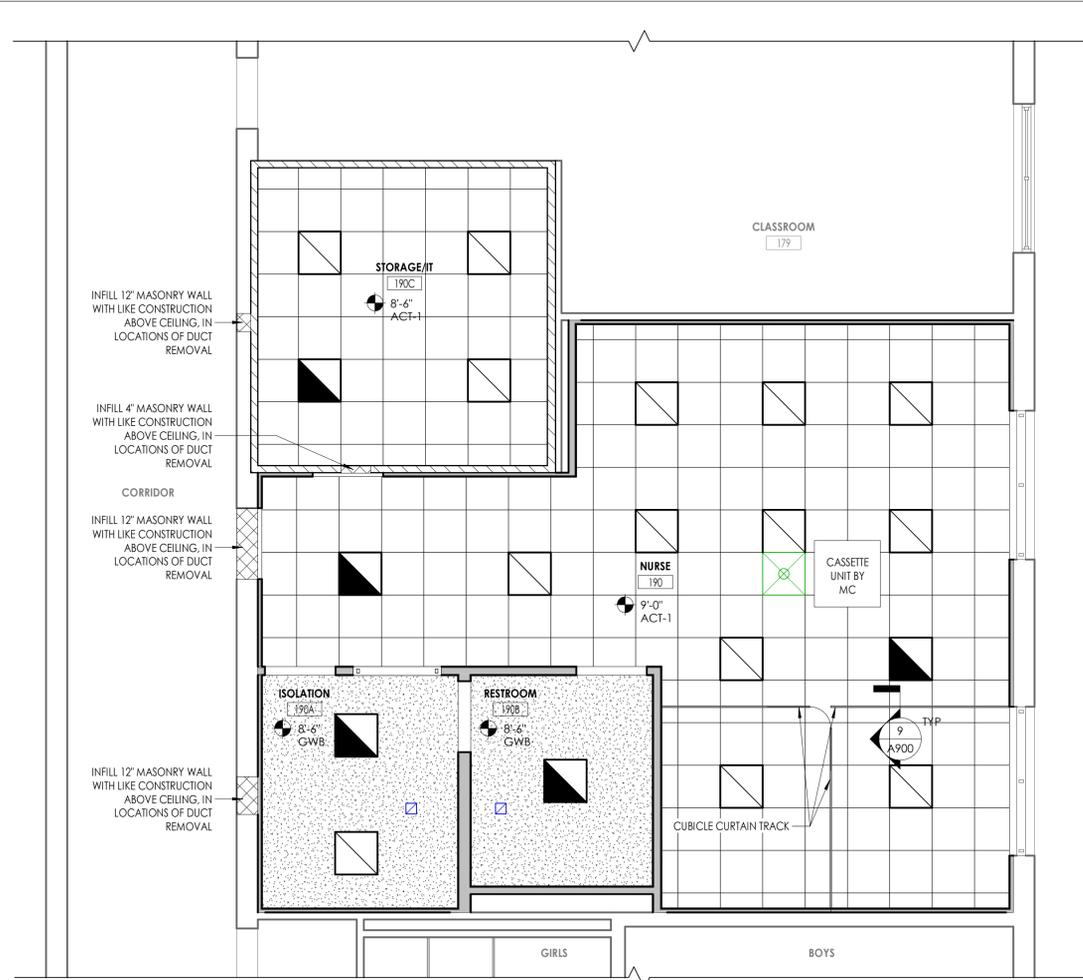
- ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF NEW MATERIALS FOR CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK. REFER TO A200 SERIES FOR FLOOR PLAN.
- FOR ANY DISCREPANCY BETWEEN THE REFLECTED CEILING PLAN AND THE FLOOR PLAN: THE FLOOR PLAN SHALL TAKE PRECEDENCE. ANY DISCREPANCY SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
- THROUGH-PENETRATION FIRESTOPPING FOR THE WORK OF EACH CONTRACT SHALL BE PROVIDED BY EACH CONTRACT FOR ITS OWN WORK.
- COORDINATE CEILING INSTALLATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- REFER TO "H" SERIES DRAWINGS FOR DIFFUSERS AND GRILLE LOCATIONS.
- REFER TO "E" SERIES DRAWINGS FOR LIGHTING TYPES AND CONTROLS.
- WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT THE END OF EACH DAY.
- CENTER CEILING GRID (EACH WAY) IN ROOMS SCHEDULED TO RECEIVE ACOUSTICAL CEILING SYSTEMS UNLESS OTHERWISE NOTED.
- VERIFY WITH ARCHITECT THE INSTALLATION OF ANY CEILING TILES LESS THAN 4" IN WIDTH.
- PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL TOILET ROOM, JANITOR'S CLOSET AND OTHER WET LOCATION CEILING ASSEMBLIES.
- ALL GYP. BD. CEILINGS SHALL BE PRIMED AND PAINTED SCHEDULED COLOR.
- WHERE APPLICABLE ALL FIXTURES AND DEVICES SHALL BE CENTERED ON A CEILING TILE.
- INSTALL CONTROL JOINTS IN GYP. CEILINGS PER ASTM C 840.

CEILING SYMBOL LEGEND

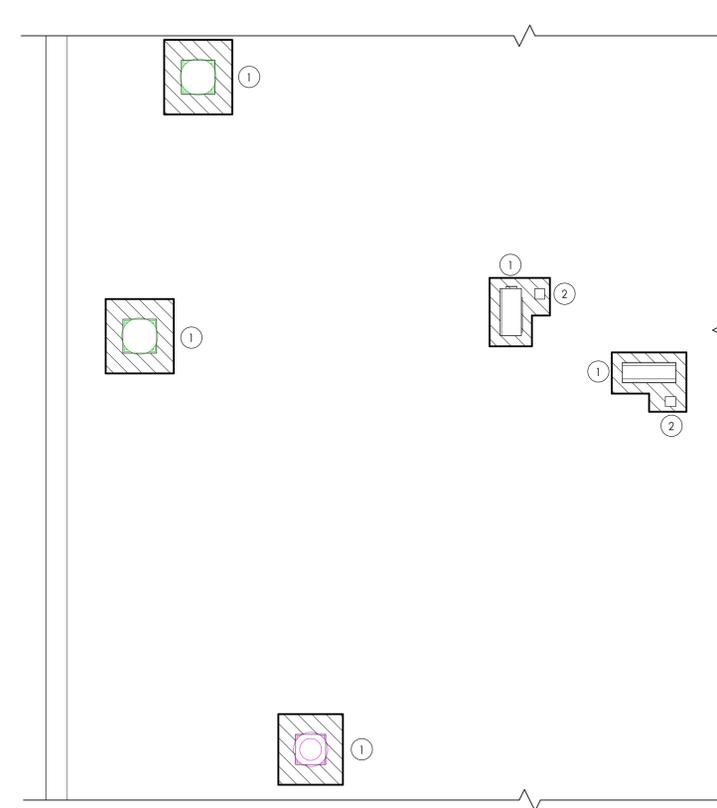
	2X2X2 LIGHT		SUPPLY AIR DIFFUSERS
	NEW GYPSUM WALL BOARD CEILING		NEW ACOUSTICAL TILE CEILING
	ACT-1 CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR		

CEILING PLAN LEGEND

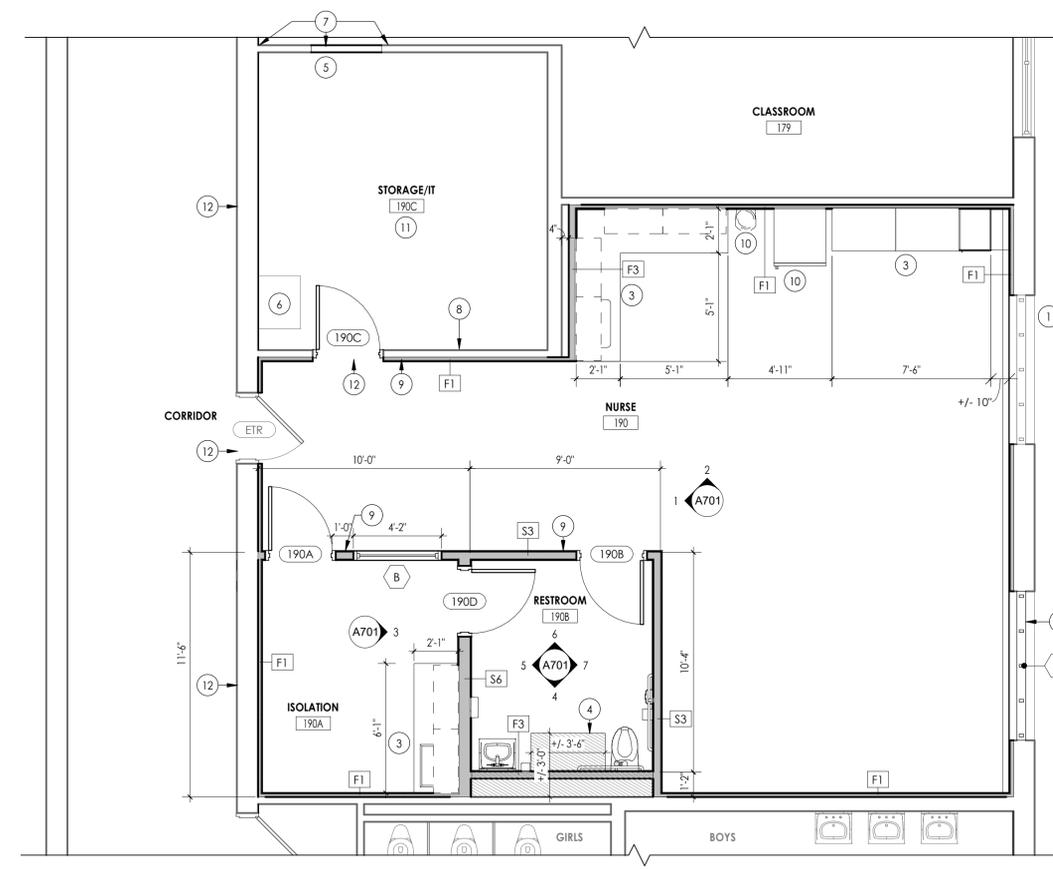
	PROVIDE 1-HR RATED SHAFT WALL ASSEMBLY PER DETAIL 1/A400
--	--



3 NURSE'S OFFICE REFLECTED CEILING PLAN
A200 1/4" = 1'-0"

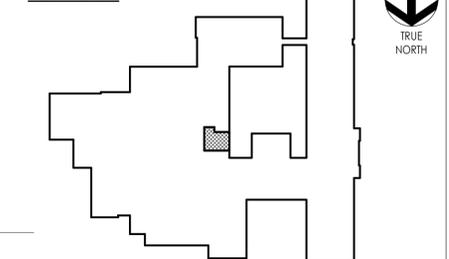


2 PARTIAL NEW WORK ROOF PLAN - NURSE'S OFFICE AREA
A200 1/4" = 1'-0"

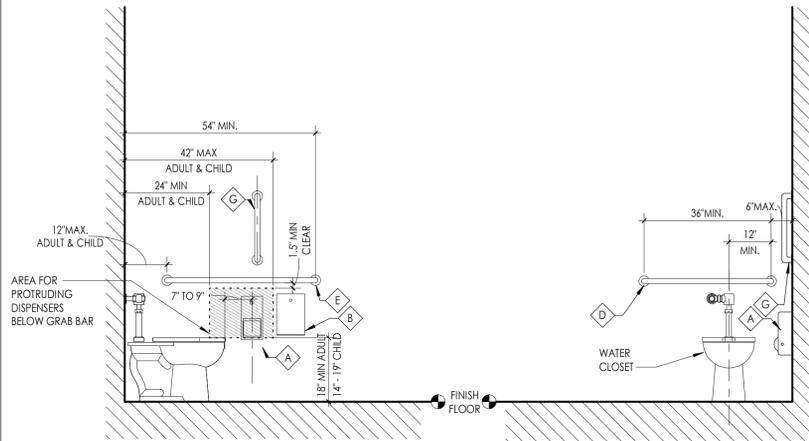


1 NURSE'S OFFICE NEW WORK FLOOR PLAN
A200 1/4" = 1'-0"

KEY PLAN:

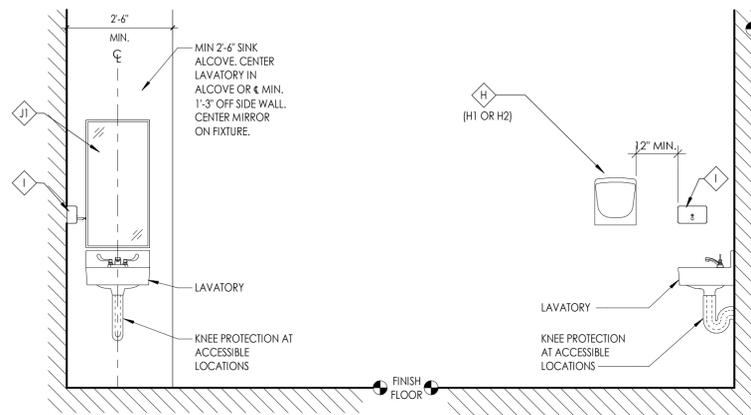


TYPICAL TOILET AND SHOWER ACCESSORY LOCATIONS



LOCATION AT TOILET - ANSI a117.1.2009

SCALE 1/2"=1'-0" (REF. ABOVE FOR TYP. HEIGHTS)



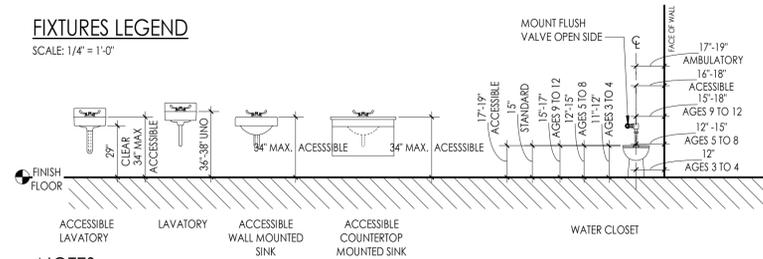
LOCATION AT SINK - ANSI a117.1.2009

SCALE 1/2"=1'-0" (REF. ABOVE FOR TYP. HEIGHTS)

PLUMBING FIXTURE LEGEND WITH MOUNTING HEIGHTS

FIXTURES LEGEND

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

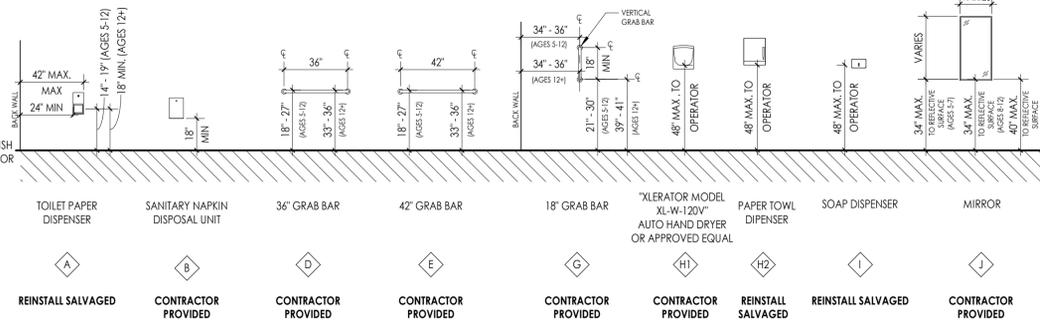


NOTES:

1. DIMENSIONS REFLECT MOUNTING HEIGHT ABOVE FINISH FLOOR.
2. REFER TO FLOOR PLANS FOR APPROPRIATE LOCATION FOR FIXTURES.
3. THIS LEGEND MAY CONTAIN FIXTURES THAT ARE NOT SPECIFIED TO BE INCLUDED IN THIS PROJECT.
4. PROVIDED KNEE PROTECTION AT ALL ACCESSIBLE SINKS.

TOILET ROOM ACCESSORIES LEGEND

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



PLASTIC LAMINATE CASEWORK SCHEDULE BASIS OF DESIGN MANUFACTURER: TMI

DESIGNATION	DIMENSIONS	DESCRIPTION	TMI#
ADA-1	36" X 33" X 24"	ADA SINK BASE	B2545
BC-1	36" X 33" X 24"	4" DRAWER/2 DOOR/1 ADJUSTABLE SHELF	D1122
BC-2	36" X 33" X 24"	4 EQUAL DRAWERS	D4001
BC-3	24" X 33" X 24"	4 EQUAL DRAWERS	D4001
WC-1	36" X 30" X 14"	2 DOOR/1 ADJUSTABLE SHELF	W2052
WC-2	33" X 30" X 14"	2 DOOR/1 ADJUSTABLE SHELF	W2052
WC-3	36" X 18" X 14"	2 DOOR/1 ADJUSTABLE SHELF	W2052
TC-1	18" X 84" X 24"	1 DOOR WARDROBE/1 FIXED SHELF/CLOSET ROD/HINGE RIGHT	T2571
TC-3	36" X 84" X 24"	2 DOORS/1 VERTICAL DIVIDER/10 ADJUSTABLE SHELVES	T2062
SC-1	8.25" X 14.25"	30 DEGREE SLOPED TOP - LENGTH AS REQUIRED	A1324

LEGEND:
 ADA = ADA BASE
 BC = BASE CABINET
 WC = WALL CABINET
 TC = TALL CABINET
 SC = SLOPED CABINET TOP
 CFCl = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
 OFCl = OWNER FURNISHED, CONTRACTOR INSTALLED

NOTES: 1) ALL TALL & WALL CABINETS TO RECEIVE SC-1 30° SLOPED TOP.
 2) ALL CASEWORK WITH DOORS/DRAWERS TO RECEIVE LOCKS PER OWNER REQUEST. KEYING CONFERENCE TO BE HELD WITH OWNER AND ARCHITECT PRIOR TO ORDERING CASEWORK.

NOTE: CASEWORK & COUNTERTOPS PROVIDED AND INSTALLED BY OTHERS. GC IS RESPONSIBLE FOR BLOCKING & WALL BASE, AS SCHEDULED. CASEWORK & COUNTERTOPS SHOWN FOR REFERENCE ONLY.

GENERAL INTERIOR ELEVATIONS NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL.
3. PROVIDE SUPPORT BLOCKING AND STRAPPING FOR ALL MILLWORK, CASEWORK, AND WALL MOUNTED ACCESSORIES.
4. REFER TO FINISH SCHEDULE AND COLOR LEGEND FOR FINISHES.
5. REFER TO **A200 SERIES** DRAWINGS FOR ADDITIONAL SPECIALTIES.
6. REFER TO **A200 SERIES** DRAWINGS FOR CEILING HEIGHTS.
7. PROVIDE FULL FINISHED END PANELS ON ALL EXPOSED MILLWORK.
8. PROVIDE FILLER PANEL WHERE MILLWORK MEETS WALL.
9. ALL MILLWORK TO BE LOCKABLE UNLESS NOTED OTHERWISE.
10. REFER TO FINISH SCHEDULE AND **A700 SERIES** DRAWINGS FOR MILLWORK FINISHES.
11. REFER TO **A701** FOR TOILET FIXTURE AND ACCESSORIES LEGEND AND MOUNTING HEIGHTS.
12. REFER TO **A701** FOR ALL TOILET ROOM ACCESSORIES PROVIDED BY OWNER.
13. EQUIPMENT SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY AND ARE FOR THE COORDINATION OF M.E.P. INFRASTRUCTURE TO OPERATE ITEMS UNDER THIS SCOPE.
14. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REFER TO OWNER FURNISHED EQUIPMENT DRAWINGS AND SUBMITTALS FOR FINAL COORDINATION AND INSTALLATION REQUIREMENTS INCLUDING BUT NOT LIMITED TO: DIMENSIONS AND LOCATIONS OF MEP CONNECTION LOCATIONS.
15. ALL FURNITURE IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE.

INTERIOR ELEVATION KEYNOTES

- 1 PROVIDE SCHEDULED WALL BASE.
- 2 PROVIDED BY OTHERS: HPL-1 CASEWORK AS SCHEDULED. PROVIDE FILLER PANELS & FINISHED END PANELS AS REQUIRED PER NEW WORK.
- 3 PROVIDED BY OTHERS: SSM-1 COUNTERTOP.
- 4 PROVIDED BY OTHERS: HPL-1 FILLER PANEL AT SIDE OF SCHEDULED CASEWORK TO FILL GAP DUE TO MECHANICAL EQUIPMENT NEEDS.
- 5 PAINT EXISTING DOOR FRAME, PT-1. REFER TO INTERIOR FINISH SCHEDULE FOR DETAILS.



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 CPLTeam.com



Capital Improvements Bond

Essential Infrastructure for Student Health, Safety and Success

PROJECT INFORMATION

Project Number: R23.01124.00
 Client Name: **SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT**
 Project Name: **2024 CAPITAL IMPROVEMENTS PROJECT**
 SOUTH ORANGETOWN MIDDLE SCHOOL

Building Address: 160 VAN WYCK ROAD, BLAUVELT, NY 10913

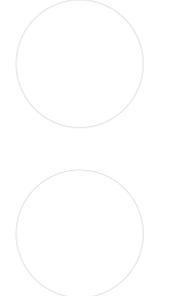
SD # 20-03-01-04-0-013-031

Registration Expiration Dates:
 Lauren Tanya: 05/30/24
 Anthony Marchetti: 05/31/24
 David Hoyt: 03/28/25
 Jennifer Wengender: 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

Date Description

PROFESSIONAL STAMPS



NEW FOR DATE EDUCATION STATUTE

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNDER ANY TITLE, TO SIGN OR BE THE DESIGNER OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, OR TO SIGN AS AN ARCHITECT, ENGINEER OR LAND SURVEYOR, THE NAME OF ANY SUCH PERSON, WITHOUT BEING A MEMBER OF SUCH BOARD, AND A SPECIFIC DESCRIPTION OF THE VIOLATION.

SHEET INFORMATION

Issued: 05/15/24 Scale: As indicated
 Project Status: BID DOCUMENTS
 Drawn By: [blank] Checked By: CPL
 Drawing Title: INTERIOR ELEVATIONS

Drawing Number:

SOMS A701



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Poughkeepsie, NY 12601
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SOUTH ORANGETOWN
Central School District

Capital Improvements Bond

Essential Infrastructure for Student
Health, Safety and Success

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Project Number
R23.01124.00

Client Name

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CENTRAL SCHOOL DISTRICT**

Project Name

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PROJECT**

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SED # 20-03-01-04-0-013-031

Registration Expiration Dates

Loreen Tavares 05/31/24

Anthony Marchetti 05/31/24

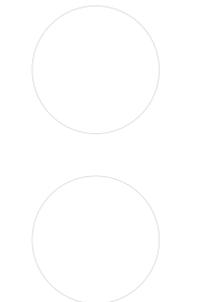
Dave Hoff 05/31/25

Jennifer Wengender 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS



NEW FOR STATE EDUCATION STATUTE
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SHEET INFORMATION

Issued 05/15/24 Scale As indicated

Project Status

BID DOCUMENTS

Drawn By Checked By

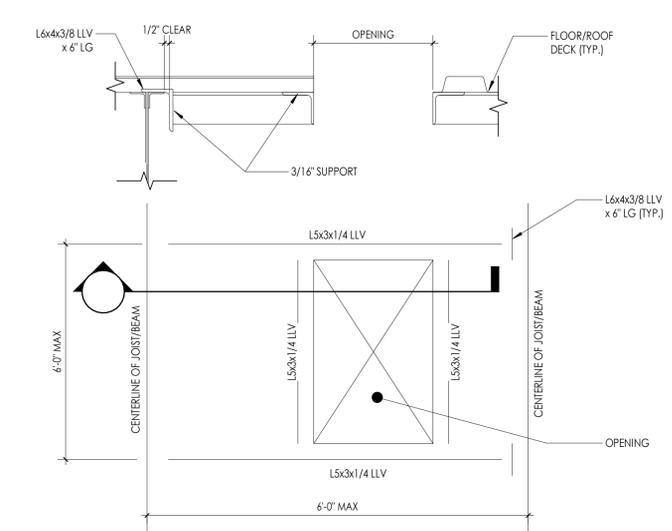
CPL CPL

Drawing Title

TYPICAL DETAILS

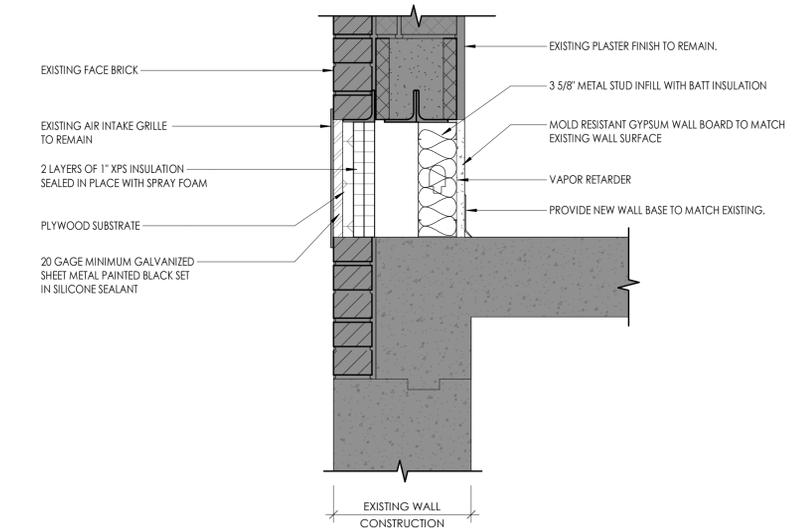
Drawing Number

**SOMS
A800**

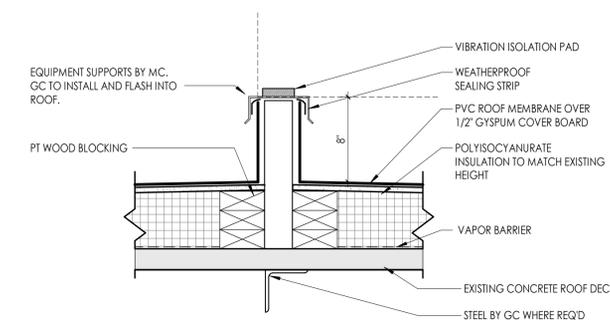


- DETAIL NOTES:**
1. THE ABOVE STEEL SIZES SHALL BE USED UNLESS NOTED OTHERWISE ON THE PLANS.
 2. CONTRACTOR TO COORDINATE EQUIPMENT AND OPENING SUPPORTS WITH MECHANICAL CONTRACTOR AND FINAL APPROVED EQUIPMENT SUBMITTAL.

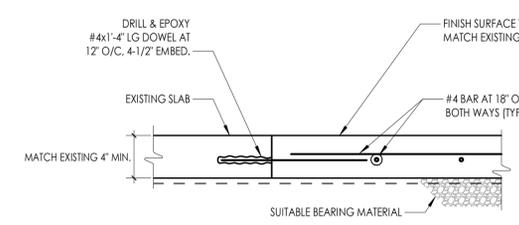
2 ROOF OPENING SUPPORT DETAIL
1/4" = 1'-0"



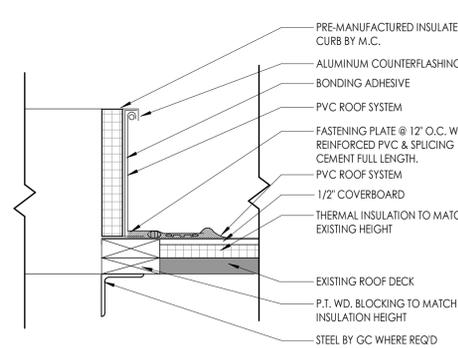
1 EXTERIOR MASONRY INFILL
1 1/2" = 1'-0"



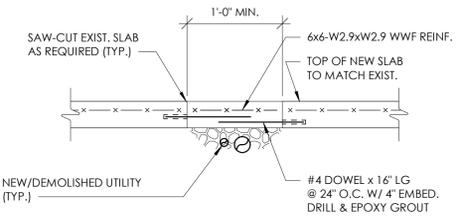
5 TYP. SUPPORT RAIL DETAIL FOR SSO UNITS
1 1/2" = 1'-0"



4 SLAB INFILL DETAIL
1 1/2" = 1'-0"

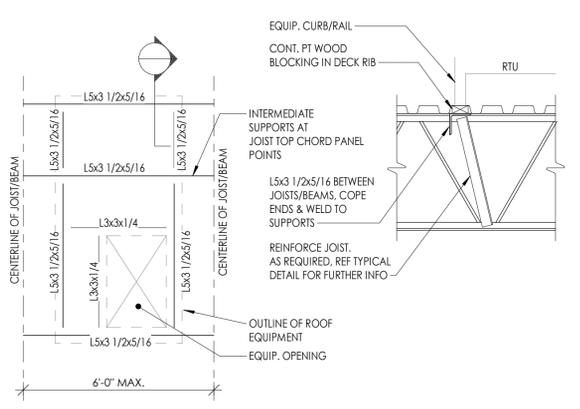


3 TYPICAL ROOF CURB DETAIL FOR GV UNITS
1 1/2" = 1'-0"



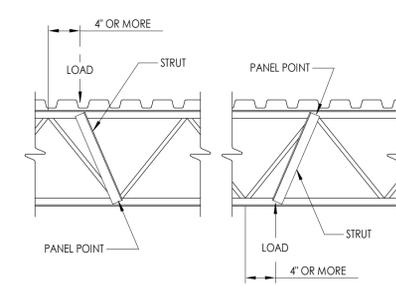
- DETAIL NOTES:**
1. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR UTILITY LOCATIONS.

8 NEW DEMO UTILITIES AT EXISTING SLAB ON GRADE
3/4" = 1'-0"



- DETAIL NOTES:**
1. THE ABOVE STEEL SIZES SHALL BE USED UNLESS NOTED OTHERWISE ON THE PLANS.
 2. CONTRACTOR TO COORDINATE EQUIPMENT AND OPENING SUPPORTS WITH MECHANICAL CONTRACTOR AND FINAL APPROVED EQUIPMENT SUBMITTAL.
 3. L4x4x5/16 MEMBERS CAN BE REPLACED WITH L3x3x1/4 MEMBERS FOR EQUIPMENT LESS THAN 1,000 LB IN TOTAL WEIGHT (INCLUDES OPERATING WEIGHT).

7 ROOF EQUIPMENT SUPPORT DETAIL
3/4" = 1'-0"



NOTE:
WHEN A CONCENTRATED LOAD EQUAL TO OR GREATER THAN 200LBS. OCCURS 4\"/>

6 CONCENTRATED LOAD ON JOIST DETAIL
3/4" = 1'-0"



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SOUTH ORANGETOWN
Central School District

Capital Improvements Bond

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PROJECT INFORMATION

Project Number
R23.01124.00

Client Name
**SOUTH ORANGETOWN CENTRAL
SCHOOL DISTRICT**

Project Name
**2024 CAPITAL IMPROVEMENTS
PROJECT**

SOUTH ORANGETOWN MIDDLE SCHOOL

Building Address
160 VAN WYCK ROAD, BLAUVELT, NY 10913

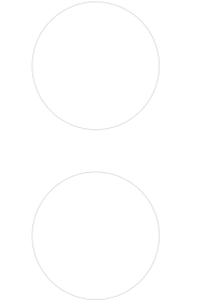
SED # 20-03-01-04-0-013-031

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Loreen Tanya 05/30/24
Anthony Marchetti 05/31/24
Diane Hoyt 05/28/25
Jennifer Wengender 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION EXAMINER

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SHEET INFORMATION

Issued 05/15/24 Scale 1 1/2" = 1'-0"

Project Status BID DOCUMENTS

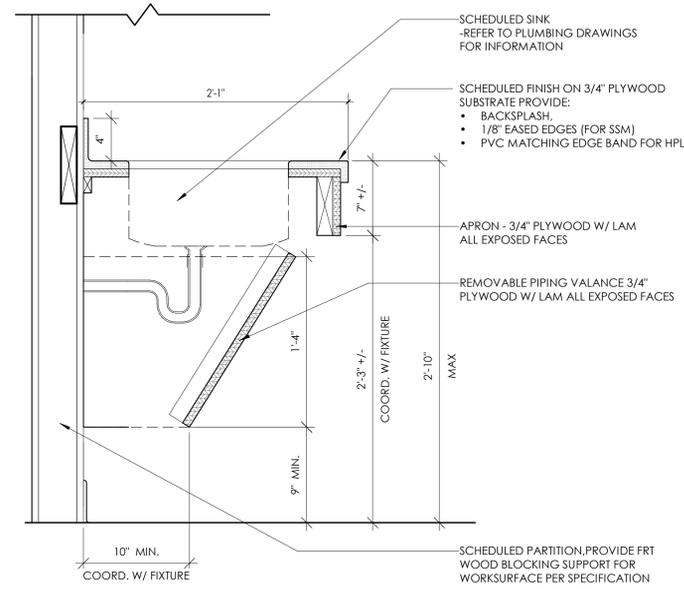
Drawn By CPL Checked By CPL

Drawing Title CASEWORK DETAILS

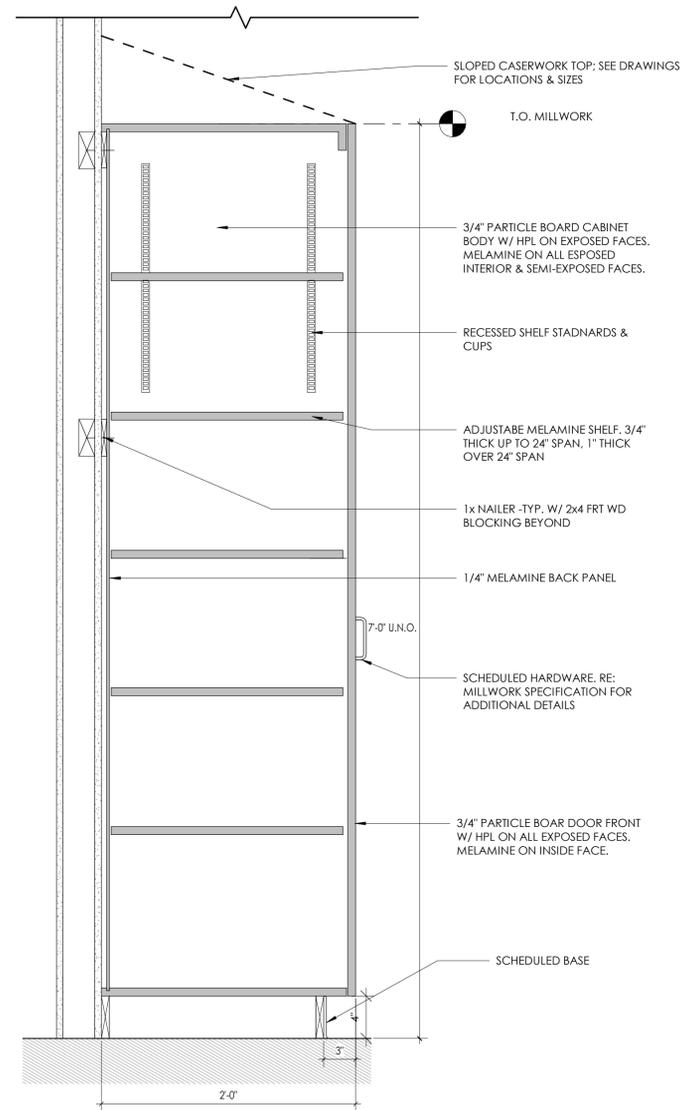
Drawing Number

SOMS
A801

NOTE: CASEWORK & COUNTERTOPS PROVIDED & INSTALLED BY OTHERS. GC IS RESPONSIBLE FOR BLOCKING & WALL BASE AS SCHEDULED. CASEWORK & COUNTERTOPS SHOWN FOR REFERENCE ONLY.

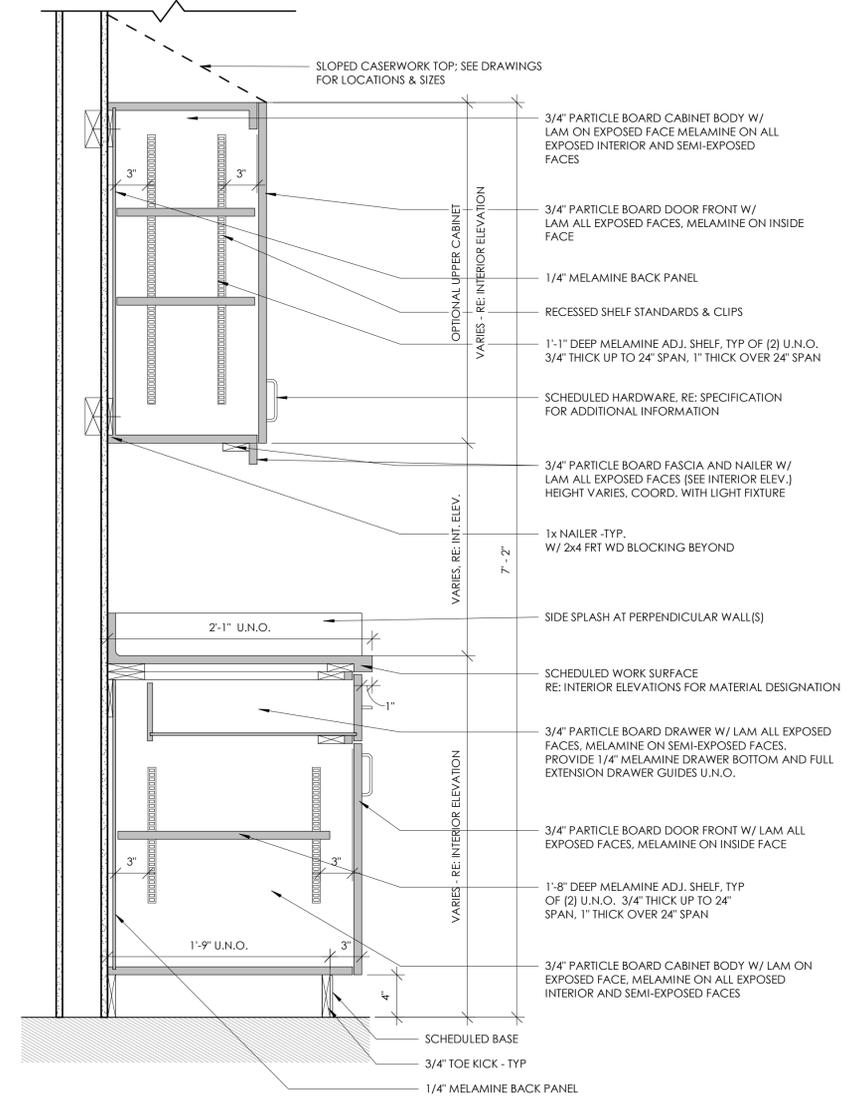


3 TYPICAL CASEWORK DETAIL - ADA SINK APRON
A801 1 1/2" = 1'-0"



NOTE: REFER TO CASEWORK SCHEDULE FOR NUMBER OF DOORS/OPENINGS REQUIRED, VARIES.

2 TYPICAL CASEWORK DETAIL - TALL CABINET
A801 1 1/2" = 1'-0"

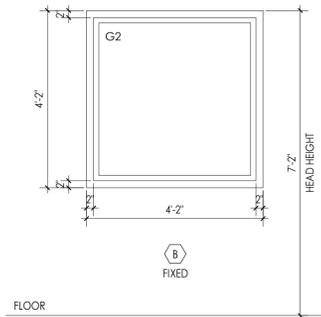
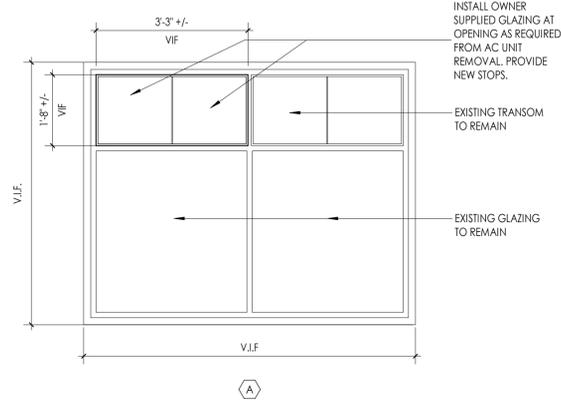
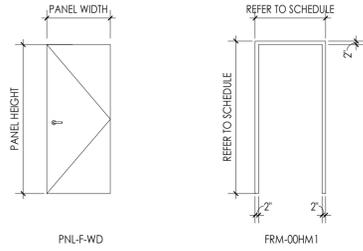


NOTE: REFER TO CASEWORK SCHEDULE FOR NUMBER OF DOORS/DRAWERS REQUIRED, VARIES.

1 TYPICAL CASEWORK DETAIL - BASE & UPPER CABINETS
A801 1 1/2" = 1'-0"

DOOR SCHEDULE- NEW

DOOR		DOOR PANELS				DOOR FRAME			
DOOR NUMBER	FIRE RATING (MIN)	PANEL TYPE	TOTAL PANEL DIMENSIONS			PANEL FINISH	FRAME TYPE	FRAME WIDTH	FRAME HEIGHT
		PANEL 1	WIDTH	HEIGHT	THICKNESS				
190A		PNLF-WD	3'-0"	7'-0"	0'-1 3/4"	WOOD	FRM-00HM1	3'-4"	7'-2"
190B		PNLF-WD	3'-0"	7'-0"	0'-1 3/4"	WOOD	FRM-00HM1	3'-4"	7'-2"
190C	45	PNLF-WD	3'-0"	7'-0"	0'-1 3/4"	WOOD	FRM-00HM1	3'-4"	7'-2"
190D		PNLF-WD	3'-0"	7'-0"	0'-1 3/4"	WOOD	FRM-00HM1	3'-4"	7'-2"



DOOR AND FRAME NOTES

- REFER TO A900S FOR DOOR & FRAME SCHEDULE
- ALL FRAMES ARE TO RECEIVE FULL PERIMETER SEALANT, INTERIOR AND EXTERIOR
- ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO BE VERIFIED IN FIELD AND COORDINATED WITH APPROVED SHOP DRAWINGS PRIOR TO FABRICATION.
- SEE SCHEDULE FOR DOOR & FRAME MATERIAL

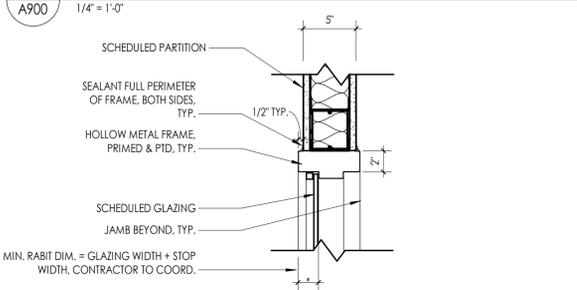
DOOR AND FRAME SCHEDULE LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

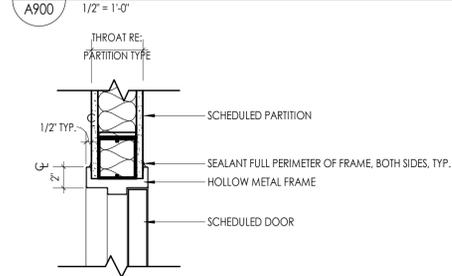
DOOR OR FRAME MATERIAL		DOOR OR FRAME FINISH	
ACR	ACROVYN DOOR	PTD	PAINT
ACR-L	ACROVYN LEAD LINED DOOR	ST	WOOD STAIN
ALUM	ALUMINUM	DB	DARK BRONZE(ANODIZED)
ETR	EXISTING TO REMAIN	SS	STAINLESS STEEL
HM	HOLLOW METAL	BE	BAKED ENAMEL
HM-L	HOLLOW METAL LEAD LINED		
IHM	INSULATED HOLLOW METAL		
WD	WOOD		
WD-L	WOOD LEAD LINED		

TYPE	GLAZING DESCRIPTION
G1	1" THICK INSULATED GLASS (CLEAR, TEMPERED, LOW-E)
G2	1/4" THICK SAFETY FLOAT GLASS (CLEAR, TEMPERED)

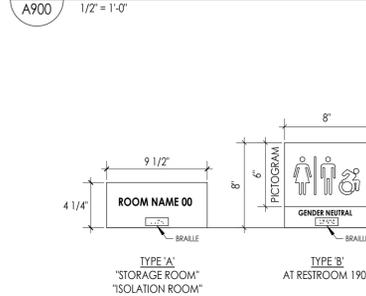
1 DOOR & FRAME TYPES



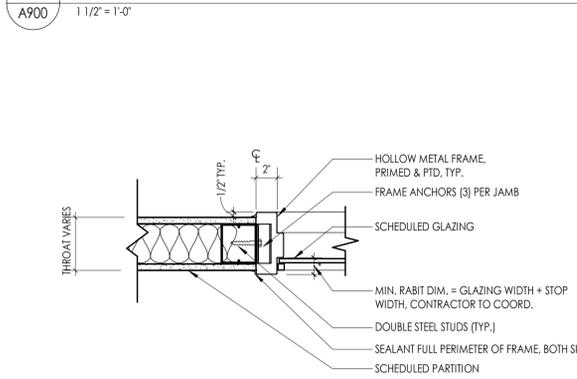
2 WINDOW ELEVATION @ AC REMOVAL



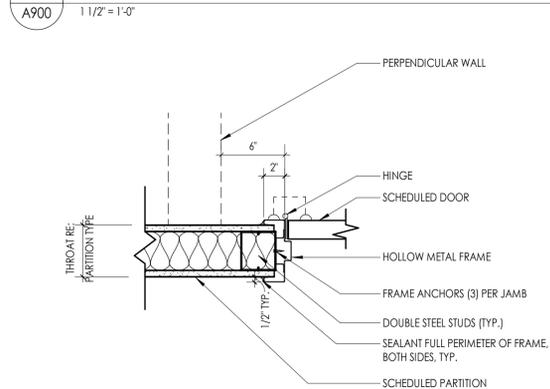
3 HOLLOW METAL BORROWED LITE ELEVATION



4 HM FRAME WINDOW - HEAD DETAIL



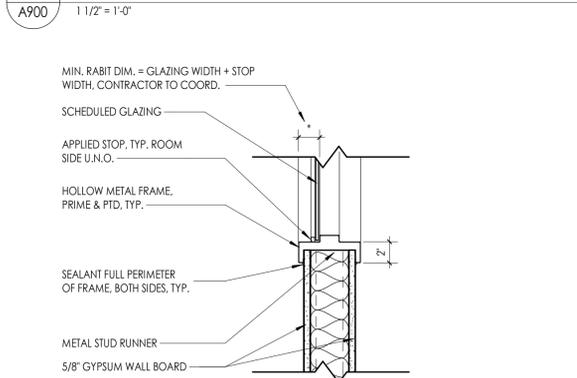
7 HM FRAME DOOR - HEAD DETAIL



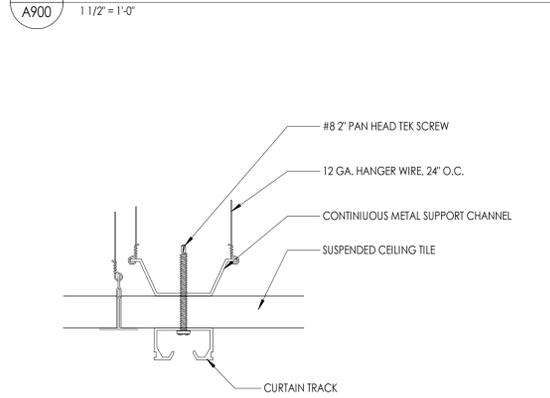
10 ADA SIGN TYPES

1 1/2" = 1'-0"

5 HM FRAME WINDOW - JAMB DETAIL



8 HM FRAME DOOR - JAMB DETAIL



6 HM FRAME WINDOW - SILL AT WALL DETAIL

1 1/2" = 1'-0"

9 CURTAIN TRACK DETAIL

6" = 1'-0"

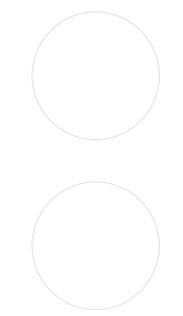


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SED # 20-03-01-04-0-013-001
 Registration Expiration Dates:
 Lauren Tavares 05/30/24
 Anthony Marchetti 05/31/24
 David Hoff 02/28/25
 Jennifer Wengender 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION STATUTE
 IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON UNDER THE JURISDICTION OF THE COMMISSIONER OF EDUCATION TO SIGN ANY ARCHITECTURAL OR ENGINEERING DRAWING OR SPECIFICATION FOR ANY WORK OF ANY KIND, BEING THE SIGNATURE OF AN ARCHITECT, ENGINEER OR SURVEYOR, UNLESS HE OR SHE IS REGISTERED AS SUCH AND HIS OR HER SIGNATURE AND THE DATE OF SUCH SIGNATURE, AND A SPECIFIC DESCRIPTION OF THE WORK, ARE ON THE DRAWING, AND HE OR SHE IS NOT BEING REGISTERED BY FOLLOWING THE STATUTE AND THE DATE OF SUCH SIGNATURE, AND A SPECIFIC DESCRIPTION OF THE WORK.

SHEET INFORMATION
 Issued: 05/15/24 Scale: As indicated
 Project Status: BID DOCUMENTS
 Drawn By: CPL Checked By: CPL
 Drawing Title: DOOR PANELS, FRAME TYPES & SCHEDULES

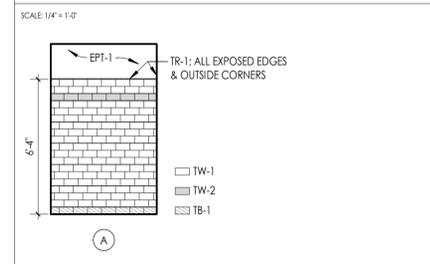
Drawing Number: SOMS A900

INTERIOR FINISH SCHEDULE

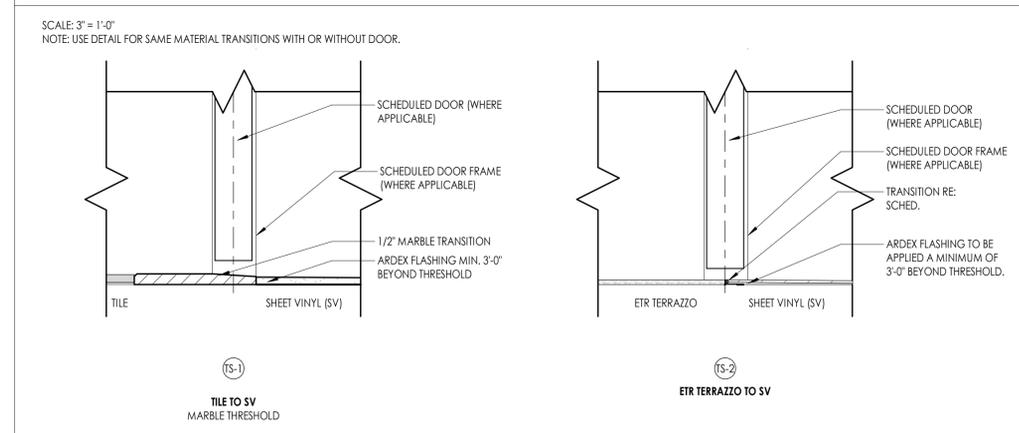
FINISH CODE	MANUFACTURER	PATTERN/STYLE	COLOR	SIZE	SPECIFICATIONS	NOTES
ACOUSTICAL CEILING TILE (ACT)						
ACT-1	ARMSTRONG CEILINGS OR EQUAL	SCHOOL ZONE FINE FISSURED 1820	WHITE	24" X 24" X 3/4"	CLASS A FIRE PERFORMANCE; NRC .70; CAC 35; 82% LIGHT REFLECTANCE; BIOBLOCK, MILDEW & MOLD RESISTANT; WITH 15/16" PRELUDE XL SUSPENSION SYSTEM; WHITE	TYPICAL 2X2' ACT
CUBICLE CURTAIN (CC)						
CC-1	INPRO OR EQUAL	SHIELD BY PANAZ FABRIC, PATTERN TBD	TBD	54" MIN. FABRIC WIDTH; SEAM AS DETERMINED BY SELECTED pattern	PASSES NFPA 701 FIRE TESTING; 53.52% FLAME RETARDANT POLYESTER, 46.48% POST-CONSUMER RECYCLED POLYESTER; RAILROADED INSTALLATION. PROVIDE WITH CLUCKEZE CUBICLE CURTAIN TRACK. COLOR: WHITE.	TYPICAL CUBICLE CURTAIN
EPOXY PAINT (EPT)						
EPT-1	SHERWIN WILLIAMS OR EQUAL	PRO-INDUSTRIAL WATER BASED CATALYZED EPOXY	WESTHIGHLAND WHITE SW-7566	N/A	REFER TO SPECIFICATIONS	TOILET ROOM
GROUT (GRT)						
GRT-1	LATICRETE OR EQUAL	SPECTRLOCK PRO	BRIGHT WHITE 44	JOINT SIZE DETERMINED BY MANUFACTURER	HIGH PERFORMANCE EPOXY GROUT WITH MICROBAN ANTIMICROBIAL PROTECTION	WALL TILE GROUT
GRT-2	LATICRETE OR EQUAL	SPECTRLOCK PRO	NATURAL GREY 24	JOINT SIZE DETERMINED BY MANUFACTURER	HIGH PERFORMANCE EPOXY GROUT WITH MICROBAN ANTIMICROBIAL PROTECTION	FLOOR TILE GROUT
HIGH PRESSURE PLASTIC LAMINATE (HPL)						
HPL-1	WILSONART OR EQUAL	AEON SCRATCH RESISTANT	PHANTOM CHARCOAL 8214K-2B	N/A	GRAIN TO RUN VERTICALLY	VERTICAL: CASEWORK
PAINT (PT)						
PT-1	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	CAVIAR SW-6990	N/A	REFER TO SPECIFICATIONS	HM FRAMES & DOORS
PT-2	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	CEILING BRIGHT WHITE SW-7007	N/A	REFER TO SPECIFICATIONS	CEILING
PT-3	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	ALPACA SW-7022	N/A	REFER TO SPECIFICATIONS	FIELD, U.N.O.
PT-4	SHERWIN WILLIAMS OR EQUAL	PRO MAR 200	DELFT SW-9134	N/A	REFER TO SPECIFICATIONS	ACCENT
SHEET VINYL (SV)						
SV-1	TARKETT OR EQUAL	ARIA 3.0	DIORITE 0672	6.5' X 75.5' ROLL X 0.080 THK	CLASS 1 FIRE RESISTANCE, HOMOGENOUS VINYL CONSTRUCTION; 2MM WEAR LAYER; 2MM TOTAL THICKNESS; DIRECT GLUE-DOWN INSTALLATION; LIMITED 10-YEAR WARRANTY; INSTALL WITH 4" INTEGRAL BASE.	TYPICAL FLOORING
SOLID SURFACE MATERIAL (SSM)						
SSM-1	CORIAN OR EQUAL	N/A	EVEREST	3/4" THICK	REFER TO SPECIFICATIONS	TYPICAL COUNTERTOP
TILE - BASE (TB)						
TB-1	CROSSVILLE OR EQUAL	COLOR BY NUMBERS - COVE BASE	TEA FOR TWO GLOSS WT02	4' X 8' X 1/4"	C650 CHEMICAL RESISTANT; MOHS 7; INSTALL WITH 1/16" GROUT JOINT	TOILET ROOM
TILE - FLOOR (TF)						
TF-1	DALTILE OR EQUAL	KEYSTONES	UPSTOWN TAUPE SPECKLE D202	2' X 2' MOSAIC (12" X 24" DOT-MOUNTED SHEET)	C650 CHEMICAL RESISTANT; CVOF > 0.42; INSTALL WITH 1/8" GROUT JOINT	TOILET ROOM
TILE - WALL (TW)						
TW-1	CROSSVILLE OR EQUAL	COLOR BY NUMBERS	TEA FOR TWO GLOSS WT02	4' X 8' X 1/4"	C650 CHEMICAL RESISTANT; MOHS 7; INSTALL WITH 1/16" GROUT JOINT	TOILET ROOM: FIELD TILE
TW-2	CROSSVILLE OR EQUAL	COLOR BY NUMBERS	CARBON 14 WT14	4' X 8' X 1/4"	C650 CHEMICAL RESISTANT; MOHS 7; INSTALL WITH 1/16" GROUT JOINT	TOILET ROOM: ACCENT TILE
TRANSITION (TS)						
TS-1	DALTILE OR EQUAL	MARBLE THRESHOLD	TBD	1/2" THICK	TRANSITION MUST BE ADA COMPLAINT	SV TO TILE
TS-2	SCHLUTER SYSTEMS OR EQUAL	SCHIENE	SATIN ANODIZED ALUMINUM (AE)	AS REQUIRED	TRANSITION MUST BE ADA COMPLAINT	SV TO ETR TERRAZZO
TRIM (TR)						
TR-1	SCHLUTER SYSTEMS OR EQUAL	JOLLY	SATIN ANODIZED ALUMINUM (AE)	AS REQUIRED TO MEET TILE THICKNESS	INSTALL AT ALL EXPOSED EDGES & OUTSIDE CORNERS OF TILE INSTALLATION	TOILET ROOM
WINDOW TREATMENT (WT)						
WT-1	BLUESHADE BY DRAPERY INDUSTRIES OR EQUAL	E SCREEN - 3% OPENNESS	WHITE/LINEN 7501	FULL RANGE: WIDTH VARIES; G.C. TO VERIFY IN FIELD	BLUESHADE MANUAL CLUTCH WITH 4" SQUARE FASCIA; ANODIZED ALUMINUM.	TYPICAL WINDOW TREATMENT
WT-2	BLUESHADE BY DRAPERY INDUSTRIES OR EQUAL	FLOCKE - 0% OPENNESS	CHARTREUX 00608	FULL RANGE: WIDTH VARIES; G.C. TO VERIFY IN FIELD	BLUESHADE MANUAL CLUTCH WITH 4" SQUARE FASCIA; ANODIZED ALUMINUM.	BLACKOUT SHADE AT ISOLATION ROOM

NOTE: CONTRACTOR TO ENSURE ALL MATERIALS ARE ORDERED MIN. 12 WEEKS PRIOR TO SCHEDULED INSTALLATION DATE TO ACCOUNT FOR MATERIAL BACKORDERS. ADDITIONAL TIME MAY BE REQUIRED FOR SPECIALTY ITEMS. GC TO WORK WITH PRODUCT REP OR MANUFACTURER TO DETERMINE ADDITIONAL LEAD TIMES. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL MATERIALS ARE IN STOCK AND AVAILABLE WITHIN THE CONSTRUCTION WINDOW. CONTRACTOR SHALL INFORM CPL AS SOON AS POSSIBLE OF ANY LEAD TIME OR AVAILABILITY ISSUES.

TYPICAL TILE PATTERN TYPES



TYPICAL TRANSITION TYPES:



1 NURSE'S OFFICE FINISH FLOOR PLAN
1/4" = 1'-0"

FINISH PLAN GENERAL NOTES

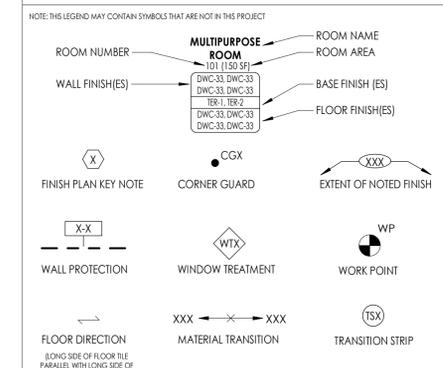
- ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-1), UNLESS NOTED OTHERWISE.
- ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE.
- REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
- UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS.
- PAINT GWB CEILINGS (PT-2), UNLESS NOTED OTHERWISE.
- REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
- ALL WINDOW SILLS SHALL BE SSM-2, UNLESS OTHERWISE NOTED.
- HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE.
- WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.
- ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE. INSTALL TRANSITION STRIPS PER DETAILS ON 1000.
- PROVIDE CONCRETE FLOOR PREPARATION IN ACCORDANCE WITH FLOORING MANUFACTURER SPECIFICATION.
- ALL NON-EPOXY GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.

FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AGL	ART GLASS	RP	RESIN PANEL
ANP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CC	CUBICLE CURTAIN	RST	RESILIENT STAIR TREAD
CG	CORNER GUARD	RT	RESILIENT TILE
CHR	CHAIR RAIL	SC	SPECIALTY CEILING
CPT	CARPET	SCON	SEALED CONCRETE
CR	CRASH RAIL	SN	STAIR NOSING & RISER
DG	DIGITAL GRAPHIC	SSM	SOLID SURFACE MATERIAL
DS	DIVIDER STRIP	SV	SHEET VINYL
DWC	DIGITAL WALL COVERING	SWP	SHEET WALL PROTECTION
DWP	DIGITAL WALL PANEL	TB	TILE BASE
EPT	EPOXY PAINT	TER	TERRAZZO
ETR	EXISTING TO REMAIN	TF	TILE FLOOR
EXP	EXPOSED	TR	TRIM
FILM	FILM	TS	TRANSITION STRIP
FRP	FIBER REINFORCED PANEL	TW	TILE WALL
GRT	GROUT	UPH	UPHOLSTERY
HPL	HIGH PRESSURE PLASTIC LAMINATE	VCT	VINYL COMPOSITION TILE
HR	HAND RAIL	VET	VINYL ENHANCED TILE
INT	INTEGRAL	VQT	VINYL QUARTZ TILE
LVT	LUXURY VINYL TILE	WC	WALL COVERING
PT	PAINT	WD	WOOD
PTM	PATCH TO MATCH	WCG	WALL GUARD
QB	QUARRY TILE BASE	WOM	WALK OFF MAT
QT	QUARRY TILE	WS	WRITEABLE SURFACE
QIZ	QUARTZ	WT	WINDOW TREATMENT

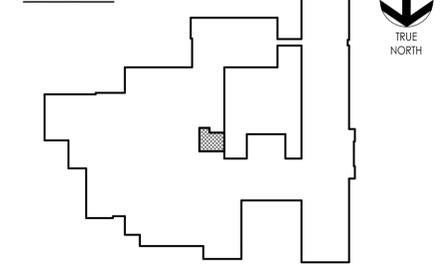
FINISH PLAN SYMBOLS LEGEND



FINISH PLAN KEY NOTES

- PROVIDE 2-COLOR PATTERN CERAMIC WALL TILE WAINSCOT UP TO 6"-4" AFF WITH EPOXY PAINT (EPT-1) ABOVE. REFER TO TYPICAL TILE PATTERN "A" ON 1000 FOR DETAIL.
- PROVIDE SCHEDULED SHEET VINYL (SV-1) WITH 4" INTEGRAL BASE FULL PERIMETER OF ROOM.

KEY PLAN:



PROJECT INFORMATION

Project Number: R23.01124.00
Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name: 2024 CAPITAL IMPROVEMENTS PROJECT
SOUTH ORANGETOWN MIDDLE SCHOOL

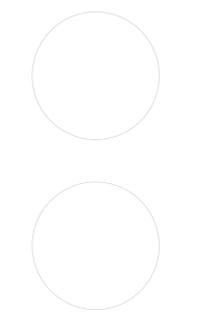
Building Address: 160 VAN WYCK ROAD, BLAUVELT, NY 10913

SED # 20-03-01-04-0-013-031
Registration Expiration Dates:
Loreen Tavares: 05/31/24
Anthony Marchetti: 05/31/24
Doree Hoyt: 03/28/25
Jennifer Wangender: 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION EXAMINER
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SHEET INFORMATION

Issued: 05/15/24
Scale: As indicated
Project Status: BID DOCUMENTS
Drawn By: AD/SG
Checked By: ALS
Drawing Title: INTERIOR FINISH PLAN, SCHEDULE & DETAILS

Drawing Number: SOMS 1000

HVAC SYMBOLS LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AAD	AUTOMATIC AIR DAMPER		CONNECTION - TOP		DOUBLE WALL LINED DUCT		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ELECTRIC/PNEUMATIC SWITCH OR RELAY
ACC	AIR-COOLED CONDENSING UNIT		CONNECTION - BOTTOM		DUCT SECTION - SUPPLY		DUCT SECTION - RETURN/EXHAUST		PNEUMATIC/ELECTRIC SWITCH OR RELAY
AD	ACCESS DOOR		DIRECTION OF FLOW		DUCT SECTION - ROUND DUCT IN INCHES		DUCT SECTION - FLAT OVAL DUCT IN INCHES		CURRENT TRANSDUCER
AFF	ABOVE FINISHED FLOOR		REDUCER		ACOUSTIC THERMAL LINING		FLEXIBLE DUCTWORK		OPEN/CLOSED
AHU	AIR HANDLING UNIT		CAP OR PLUG		FLEXIBLE CONNECTION		FIRE DAMPER		START/STOP
BBD	BOILER BLOW DOWN		ELBOW DOWN		FIRE DAMPER		SMOKE DAMPER		ENABLE/DISABLE
BD	BACKDRAFT DAMPER		ELBOW UP		SMOKE DAMPER		COMBINATION FIRE AND SMOKE DAMPER		TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)
CA	COMPRESSED AIR		TEE OUTLET - UP		COMBINATION FIRE AND SMOKE DAMPER		VOLUME DAMPER		HUMIDITY SENSOR (DUCT MOUNTED)
CD	COOLING COIL CONDENSATE DRAIN		TEE OUTLET - DOWN		VOLUME DAMPER		DAMPER CONTROL, PARALLEL BLADE		FLOW TRANSMITTER
CFM	CUBIC FEET PER MINUTE		UNION		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		PRESSURE TRANSMITTER
CHWR	CHILLED WATER RETURN		GATE VALVE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		DIFFERENTIAL PRESSURE TRANSMITTER
CHWS	CHILLED WATER SUPPLY		BALL VALVE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		ELECTRIC/PNEUMATIC TRANSDUCER
CR	CONDENSER WATER RETURN		BALANCING VALVE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		ELECTRIC/ELECTRONIC TRANSDUCER
CS	CONDENSER WATER SUPPLY		STRAINER		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		DUCT SMOKE DETECTOR
CW	DOMESTIC COLD WATER		STRAINER WITH BLOW-DOWN		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		SPACE THERMOSTAT
D	DRAIN		BUTTERFLY VALVE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		SPACE TEMPERATURE SENSOR
(E)	EXISTING		BUTTERFLY CONTROL VALVE, PNEUMATIC 2-WAY		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		SPACE CARBON DIOXIDE SENSOR
EA	EXHAUST AIR		BUTTERFLY CONTROL VALVE, ELECTRIC ACTUATOR		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		SPACE NATURAL GAS SENSOR
EC	ELECTRICAL CONTRACTOR		GLOBE VALVE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		SPACE CARBON MONOXIDE SENSOR
EF	EXHAUST FAN		CHECK VALVE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		SPACE SENSOR WITH GUARD
EHFC	ELECTRIC REHEAT COIL		TRIPLE DUTY VALVE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		WATER FLOW SENSOR
EIR	EXISTING TO REMAIN		GAS COCK, PLUG VALVE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		PNEUMATIC ACTUATOR
EUH	ELECTRIC UNIT HEATER		UNDERCUT DOOR 1"		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		ELECTRIC ACTUATOR
FAT	FLOAT AND THERMOSTATIC TRAP		LOUVERED DOOR W/ SQ. FT. OF FREE AREA		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		VARIABLE SPEED / FREQUENCY DRIVE
FCU	FAN-COIL UNIT		AIR VENT - MANUAL		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		COOLING COIL
FBM	FEET PER MINUTE		AIR VENT - AUTOMATIC		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		HEATING COIL
FT	FIN-TUBE		FLANGE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		GAS FURNACE
GC	GENERAL CONTRACTOR		CONTROL/SOLENOID VALVE, ELECTRIC 2-WAY		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		HUMIDIFIER
GR	GLYCOL RETURN		CONTROL VALVE, ELECTRIC 3-WAY		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		ALARM
GS	GLYCOL SUPPLY		CONTROL VALVE, PNEUMATIC 2-WAY		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		STATUS
HC	HVAC CONTRACTOR		CONTROL VALVE, PNEUMATIC 3-WAY		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		FLOW SWITCH
HHWR	HEATING HOT WATER RETURN		MULTI-BLADE AIR EXTRACTOR		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		DIFFERENTIAL STATIC PRESSURE SWITCH
HHWS	HEATING HOT WATER SUPPLY		TURNING VANES		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		RELAY
HP	HEAT PUMP		EXISTING WORK TO BE REMOVED (HATCHED)		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		PRESSURE GAUGE
HPC	HIGH PRESSURE CONDENSATE		POINT OF CONNECTION		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		FREEZE-STAT
HPS	HIGH PRESSURE STEAM		POINT OF DISCONNECTION		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		DIGITAL INPUT (TO BUILDING MANAGEMENT SYSTEM)
LF	LINEAR FOOTAGE OF FIN-TUBE RADIATION		AIR FLOW SENSOR		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		DIGITAL OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
LPC	LOW PRESSURE CONDENSATE		FILTER		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		ANALOG OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
LPG	LIQUEFIED PROPANE GAS		TRANSITION SQUARE TO ROUND		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		ANALOG INPUT (TO BUILDING MANAGEMENT SYSTEM)
LPS	LOW PRESSURE STEAM		HUMIDIFIER DISPERSION TUBE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		ELECTRICAL INTERFACE
MBH	1,000 BTU/HR		RISE IN DUCT		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		SPEED FEEDBACK
MC	MECHANICAL CONTRACTOR		DROP IN DUCT		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		END SWITCH
MPC	MEDIUM PRESSURE CONDENSATE		SQUARE CEILING DIFFUSER (4 WAY)		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		POSITION FEEDBACK
MPS	MEDIUM PRESSURE STEAM		ROUND CEILING DIFFUSER		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		TRAVERSE AVERAGING SENSOR
MRD	MONOFLO FITTING DOWN - HHWR		SQUARE OR RECTANGULAR CEILING GRILLE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		PROBE SENSOR
MSD	MONOFLO FITTING DOWN - HHWS		SUPPLY REGISTER, RETURN OR EXHAUST GRILLE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		FREEZE STAT SENSOR
MUW	MAKE-UP WATER		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
NC	NORMALLY CLOSED		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
NG	NATURAL GAS		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
NO	NORMALLY OPEN		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
NTS	NOT TO SCALE		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
OA	OUTSIDE AIR		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
PC	PLUMBING CONTRACTOR		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
PD	PUMP DISCHARGE		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
PHWR	PRIMARY HEATING HOT WATER RETURN		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
PHWS	PRIMARY HEATING HOT WATER SUPPLY		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
RA	RETURN AIR		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
RD	REFRIGERANT DISCHARGE		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
RHC	HOT WATER REHEAT COIL		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
RL	REFRIGERANT LIQUID PIPE		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
RSL	REFRIGERANT SUCTION PIPE		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
RTU	ROOFTOP UNIT		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
RV	ROOF VENT		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
SA	SUPPLY AIR		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
SHWR	SECONDARY HEATING HOT WATER RETURN		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
SHWS	SECONDARY HEATING HOT WATER SUPPLY		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
SSI	SPLIT SYSTEM INDOOR SECTION (EVAPORATOR SECTION)		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
SSO	SPLIT SYSTEM OUTDOOR SECTION (CONDENSING UNIT)		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
TC	TEMPERATURE CONTROLS CONTRACTOR		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
UH	UNIT HEATER		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
UV	UNIT VENTILATOR		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
V	VENT		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
WHP	WATER-TO-AIR HEAT PUMP		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
WWHP	WATER-TO-WATER HEAT PUMP		AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE		DAMPER CONTROL, OPPOSED BLADE		DAMPER CONTROL, OPPOSED BLADE		
			WALL TO WALL FIN TUBE ENCLOSURE		ACOUSTIC THERMAL DUCTWORK LINING - 1 INCH THICK		ACOUSTIC THERMAL DUCTWORK LINING - 2 INCH THICK		ACOUSTIC THERMAL DUCTWORK PLENUM LINING - 1 INCH THICK
					ACOUSTIC THERMAL DUCTWORK PLENUM LINING - 2 INCH THICK				

SYMBOLS GENERAL NOTES:

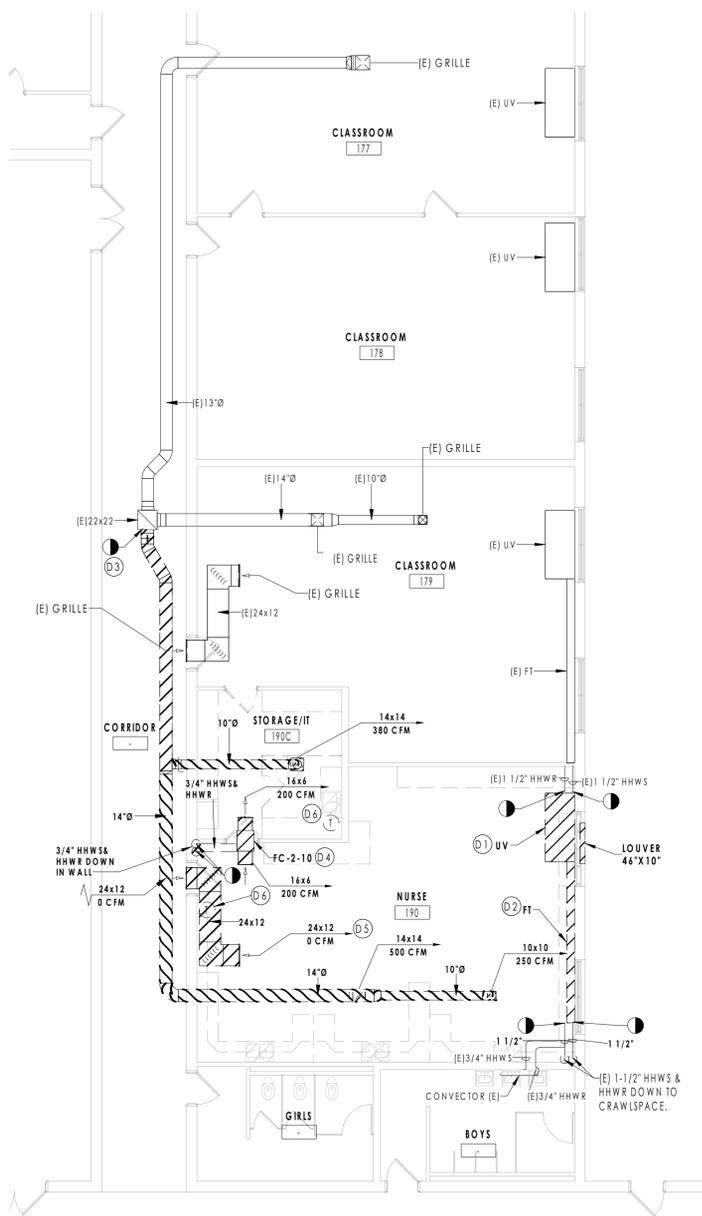
- VALVE AND DAMPER ACTUATOR TYPES (ELECTRIC OR PNEUMATIC) WHICH ARE INDICATED IN HVAC TEMPERATURE CONTROL DRAWINGS SHALL SUPERSEDE TYPE INDICATED ON ALL OTHER HVAC DRAWINGS.

HVAC CONTRACTOR GENERAL NOTES:

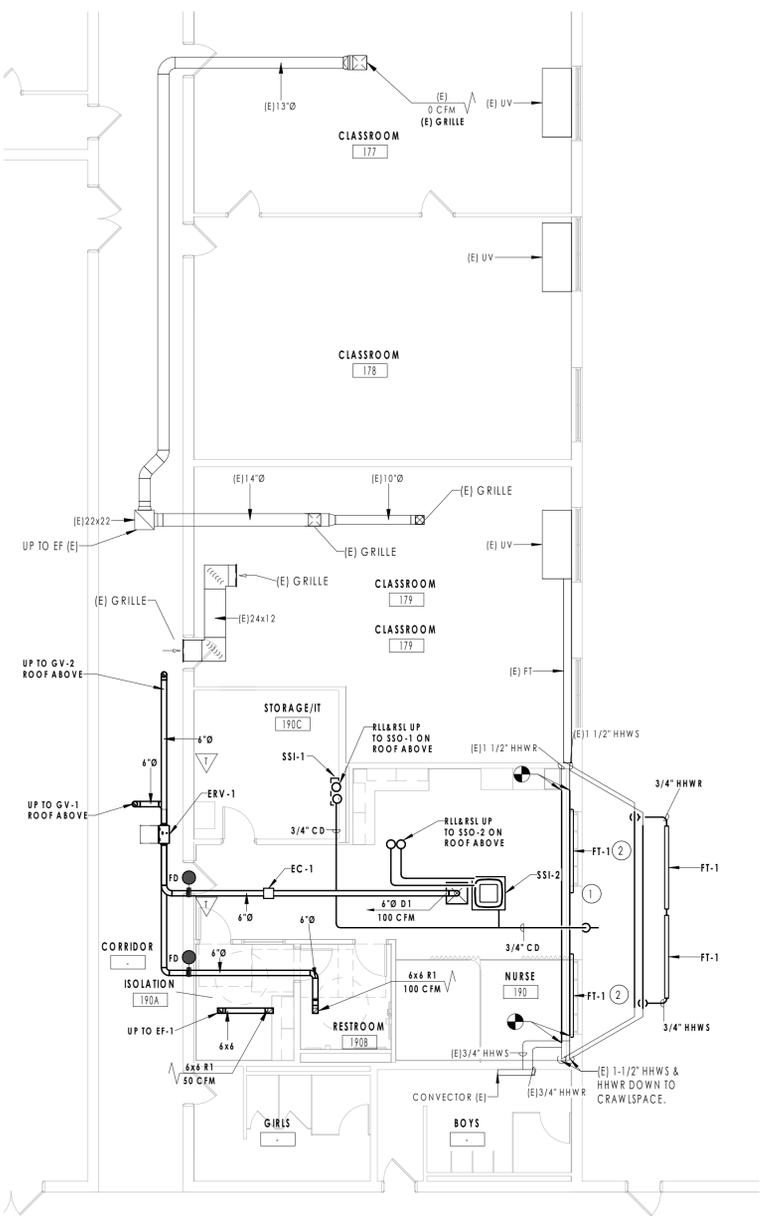
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILING, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS. FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING, THE EXISTING CEILING SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.
- DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL EQUIPMENT INDICATED TO BE TURNED OVER TO THE OWNER SHALL BE DISCONNECTED AND REMOVED FROM THE EXISTING SYSTEMS AND DELIVERED (INCLUDING LOADING AND UNLOADING) TO A STORAGE AREA WITHIN THE BUILDING AS SELECTED BY THE OWNER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY EQUIPMENT DAMAGED DURING REMOVAL AND DELIVERY. ANY DAMAGE TO EQUIPMENT PRIOR TO DISCONNECTING SHOULD BE REPORTED TO THE OWNER'S REPRESENTATIVE. IF NOT REPORTED, THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR REPAIRS TO THE EQUIPMENT.
- BEFORE DISCONNECTING, REMOVING, OR SERVICING ANY AIR CONDITIONING EQUIPMENT OR SYSTEMS CONTAINING REFRIGERANTS, THE EQUIPMENT OR SYSTEMS SHALL BE EVACUATED OF ALL REFRIGERANT PER THE LATEST ADOPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). THE CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE CERTIFIED BY AN EPA APPROVED CERTIFYING AGENCY OR ORGANIZATION.
- ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED WALL LOCATIONS. ALL FLOORS SHALL BE CONSIDERED RATED.
- UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.
- IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL AIR VENTS AND DRAINS IN THE PIPING SYSTEMS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AIR VENTS AT ALL SYSTEM HIGH POINTS AND AT AREAS WITHIN THE PIPING SYSTEMS THAT COULD ACCUMULATE OR TRAP AIR WHICH WOULD PREVENT PROPER VENTING OR OPERATION OF THE SYSTEMS. DRAINS SHALL BE PROVIDED AT ALL LOW POINTS WITHIN THE PIPING SYSTEM TO FACILITATE COMPLETE DRAINING OF THE SYSTEM.
- PROVIDE THERMAL EXPANSION COMPENSATORS AND THERMAL EXPANSION LOOPS IN PIPING SYSTEM PER INDUSTRY STANDARDS.



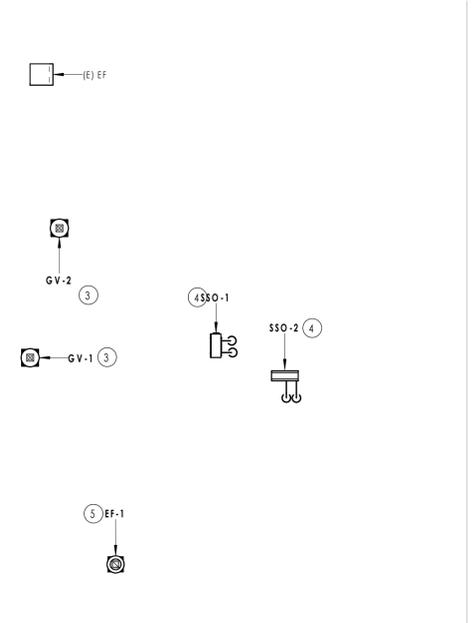
CPL



1 FIRST FLOOR MECHANICAL DEMOLITION PLAN
 H201 1/8" = 1'-0"



2 FIRST FLOOR MECHANICAL NEW WORK PLAN
 H201 1/8" = 1'-0"



3 ROOF MECHANICAL NEW WORK PLAN
 H201 1/8" = 1'-0"

GENERAL NOTES

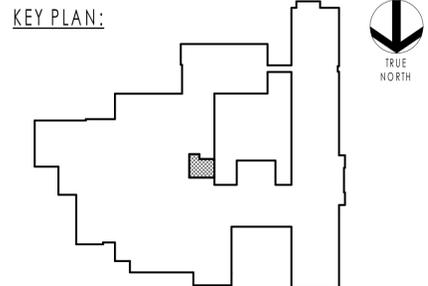
1. SIZE ALL REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
2. ALL NEW EQUIPMENT TO BE PROVIDED WITH STANDALONE CONTROLS, AND BACNET CAPABILITY FOR FUTURE CONNECTION TO BMS SYSTEM.
3. PROVIDE PIPE FORTRESS COVERS FOR ALL EXPOSED REFRIGERANT AND CONDENSATE DRAIN PIPING.

DEMOLITION KEY NOTES

- (D1) REMOVE EXISTING UNIT VENTILATOR IN ITS ENTIRETY INCLUDING PIPING BACK TO POINTS INDICATED, CONTROLS, LOUVER AND SLEEVE. COORDINATE REMOVAL OF LOUVER WITH G.C.
- (D2) REMOVE EXISTING FIN TUBE IN ITS ENTIRETY INCLUDING ENCLOSURE AND PIPING BACK TO POINTS INDICATED. PREPARE FOR NEW WORK.
- (D3) REMOVE EXISTING EXHAUST GRILLES AND DUCTWORK BACK TO POINT INDICATED. PATCH AND SEAL DUCTWORK AIRTIGHT.
- (D4) REMOVE EXISTING FAN COIL IN ITS ENTIRETY INCLUDING ALL DUCTWORK, GRILLES, CONTROLS, AND HEATING HOT WATER SUPPLY AND RETURN PIPING TO DROP IN WALL. CAP AND ABANDON PIPING.
- (D5) REMOVE EXISTING TRANSFER DUCT AND GRILLES IN ITS ENTIRETY. COORDINATE WITH G.C.
- (D6) REMOVE EXISTING WALL MOUNTED THERMOSTAT AND ALL CONTROL WIRING. PREPARE FOR NEW WORK.

KEY NOTES

- (1) PROVIDE CONDENSATE DRAIN PIPING OUT TO COURTYARD AND DOWN THE SIDE OF THE BUILDING. TERMINATE AWAY FROM BUILDING. TERMINATE WITH INSECT SCREEN ON OUTLET.
- (2) PROVIDE 6" FIN TUBE UNDER EXISTING WINDOWS. FIN TUBE ENCLOSURE TO BE EXTENDED FROM WALL TO NEW CASEWORK. PROVIDE 1-1/2" HHWS & HHWR PIPING TO CONNECT EXISTING HOT WATER LOOP AND MAINTAIN FLOW. EXPLODED FIN TUBE CONNECTION VIEW SHOWN FOR REFERENCE. COORDINATE WITH G.C.
- (3) FURNISH AND INSTALL GRAVITY VENTILATOR ON WIND RATED CURB AND CONNECT TO ERV DUCTWORK BELOW. MAINTAIN ANY EXISTING ROOF WARRANTIES.
- (4) FURNISH AND INSTALL SPLIT SYSTEM HEAT PUMP NEW 12" EQUIPMENT RAILS. RUN REFRIGERANT PIPING DOWN TO INDOOR UNITS BELOW WITH PIPE PORTAL.
- (5) FURNISH AND INSTALL EXHAUST FAN ON WIND RATED CURB AND CONNECT FAN TO NEW DUCTWORK BELOW. MAINTAIN ANY EXISTING ROOF WARRANTIES.



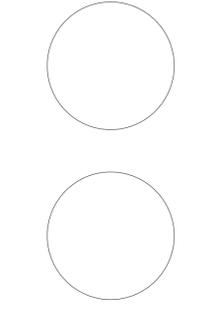
PROJECT INFORMATION

Project Number: R23.01124.00
 Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
 Project Name: 2024 CAPITAL IMPROVEMENTS PROJECT
 SOUTH ORANGETOWN MIDDLE SCHOOL
 Building Address: 140 VAN WYCK ROAD, BLAUVELT, NY 10913
 SLD # 55-03-01-04-0-013-031
 Registration Expiration Dates:
 Louise Tampo: 05/31/24
 Anthony Marchetti: 05/31/24
 Dave Hoff: 05/31/24
 Jennifer Wengender: 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
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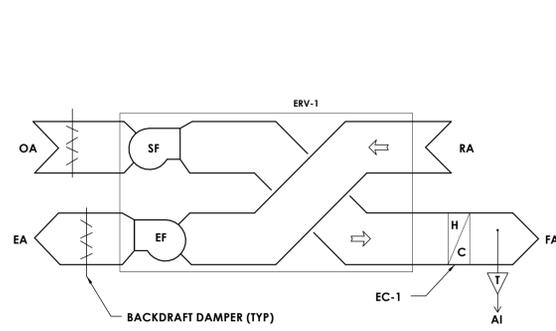
PROFESSIONAL STAMPS



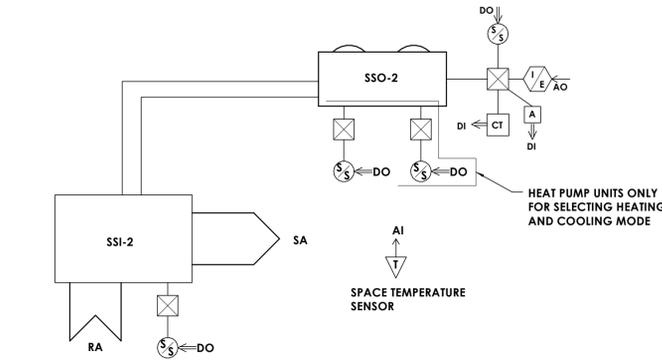
NEW YORK STATE DISCLOSURE STATEMENT
 IF A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMONWEALTH REGULATION FOR ANY PROFESSION, LICENSE OR CERTIFICATE IS DISCOVERED BY THE ARCHITECT, ENGINEER OR LAND SURVEYOR, TO AVOID AN ACTION IN ANY MANNER, THE ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL BE ADVISED BY THE ARCHITECT, ENGINEER OR LAND SURVEYOR OF THE VIOLATION. THE ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL SIGN AND DATE THIS STATEMENT AND A SPECIFIC DESCRIPTION OF THE VIOLATION.

SHEET INFORMATION

Issued: 05/15/2024 Scale: 1/8" = 1'-0"
 Project Status: BID DOCUMENTS
 Drawn By: BKM Checked By: BKM
 Drawing Title: FIRST FLOOR AND ROOF MECHANICAL DEMOLITION AND NEW WORK PLAN
 Drawing Number: SOMS H201

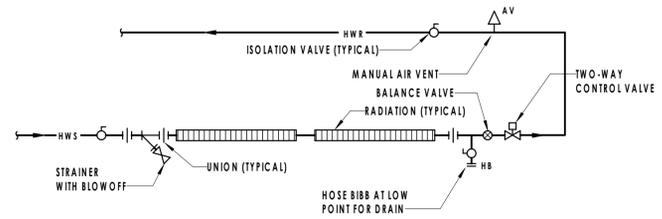


6 ERV AND NURSES OFFICE SPLIT SYSTEM CONTROLS DIAGRAM
H800 12" = 1'-0"

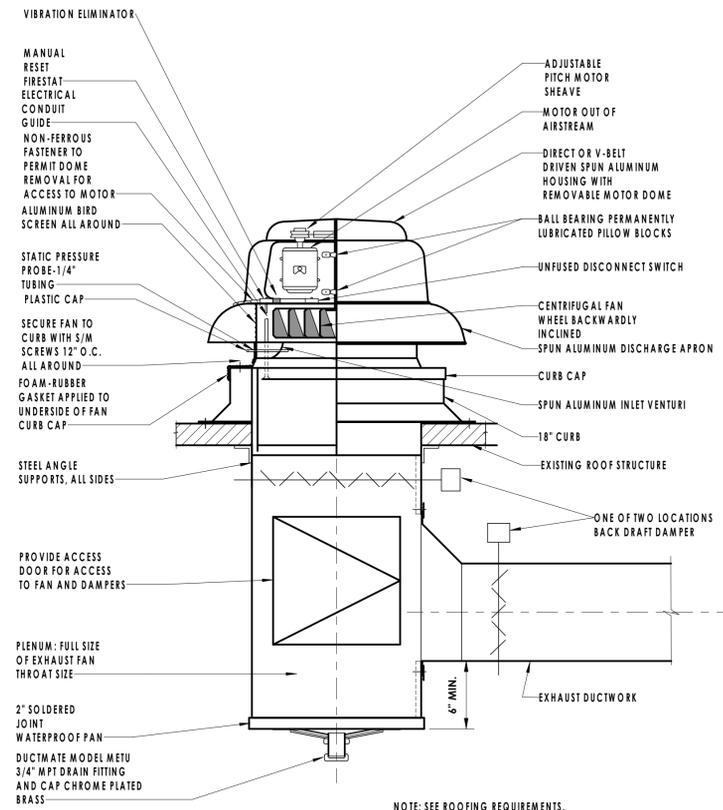


VRF MANUFACTURER TO PROVIDE CONTROL OF SPACE TEMPERATURE SET POINTS, OCCUPIED/UNOCCUPIED MODES, HEATING, COOLING MODES AND LOAD DEMAND.

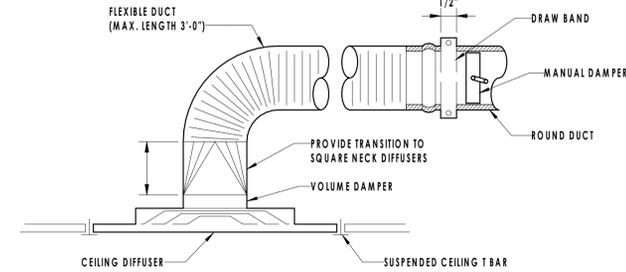
7 FIN RADIATION PIPING SCHEMATIC
H800 NOT TO SCALE



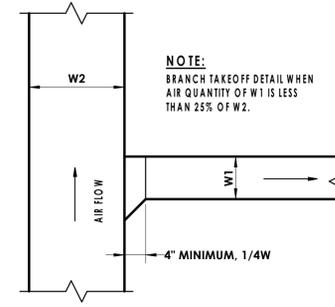
8 FIN TUBE CONTROLS DIAGRAM
H800 12" = 1'-0"



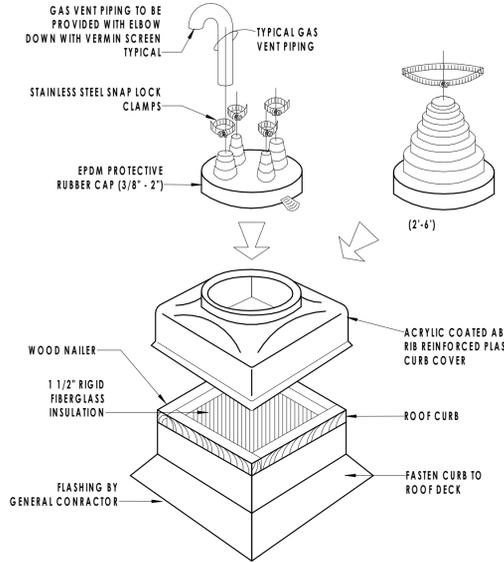
10 ROOF EXHAUST FAN DETAIL
H800 N.T.S.



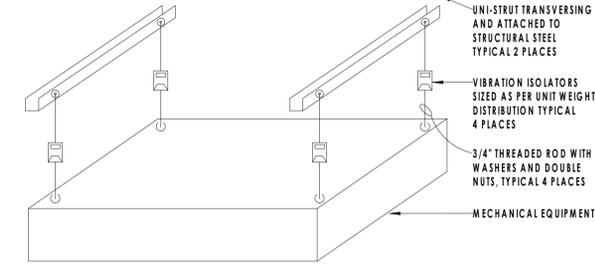
4 DIFFUSER DETAIL
H800 NOT TO SCALE



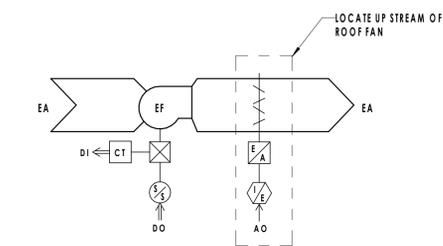
1 BRANCH TAKE-OFF
H800 NOT TO SCALE



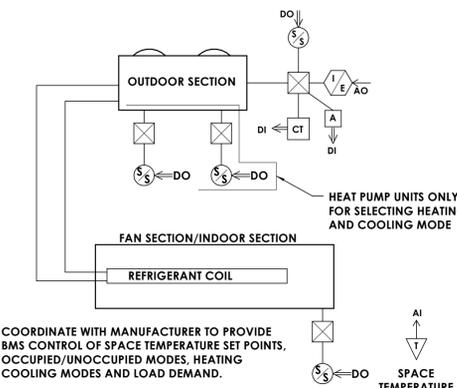
3 PIPE PORTAL DETAIL
H800 NOT TO SCALE



2 INDOOR UNIT SUPPORT INSTALLATION DETAIL
H800 NOT TO SCALE



9 EXHAUST FAN CONTROLS DIAGRAM
H800 NOT TO SCALE



5 IT CLOSET SPLIT SYSTEM CONTROLS DIAGRAM
H800 12" = 1'-0"



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NY ENGINEERING FIRM CERTIFICATE #018030



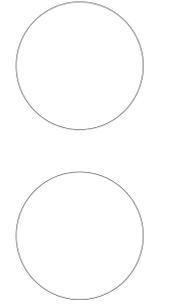
PROJECT INFORMATION

Project Number: R23.01124.00
Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name: 2024 CAPITAL IMPROVEMENTS PROJECT
SOUTH ORANGETOWN MIDDLE SCHOOL
Building Address: 160 VAN WYCK ROAD, BLAUVELT, NY 10913
SIC # 95-09-01-04-0-013-031
Responsible Parties: Louise Toppo 05/20/23, Anthony Morichetti 05/31/24, Dave Hoff 05/28/25, Jennifer Wengender 06/20/24

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
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PROFESSIONAL STAMPS



NEW YORK STATE DESIGNER'S EXEMPTION
IF A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMONWEALTH'S REGULATIONS FOR ANY PROFESSION OCCURS AFTER THE EXPIRATION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR TO ADD AN ITEM IN ANY WAY TO AN EXISTING DESIGN OR TO MAKE ANY CORRECTIONS TO AN EXISTING DESIGN, THE ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL BE RESPONSIBLE FOR THE DESIGN AND THE DATE OF SUCH ADDITION, AND A SPECIFIC DESCRIPTION OF THE ADDITION.

SHEET INFORMATION

Issued: 04/12/2024 Scale: As indicated
Project Status: BID DOCUMENTS
Drawn By: BKM Checked By: AJS
Drawing Title: DETAILS AND CONTROLS DIAGRAM

Drawing Number: SOMS H800

ENERGY RECOVERY SCHEDULE																						
TAG	SUPPLY FAN		EXHAUST FAN		WINTER CONDITIONS						SUMMER CONDITIONS						ELECTRICAL			WEIGHT (LBS)	TYPICAL UNIT MFG & MODEL NO.	NOTES:
	CFM	E.S.P. (IN WC)	CFM	E.S.P. (IN WC)	ENTERING CONDITIONS		LEAVING CONDITIONS		SENSIBLE EFFECTIVENESS %	TOTAL EFFECTIVENESS %	ENTERING CONDITIONS		LEAVING CONDITIONS		SENSIBLE EFFECTIVENESS %	TOTAL EFFECTIVENESS %	VOLTS/HZ/Ø	FLA (PER FAN)	MCA			
					OA	RA	SUPPLY AIR				OA	RA	SUPPLY AIR									
					DB/WB (°F)	DB/WB (°F)	DB (°F)	WB (°F)			DB/WB (°F)	DB/WB (°F)	DB (°F)	WB (°F)								
ERV-1	100	0.5	100	0.5	2/4	70/55	53	42	75	69	92/74	75/63	79.25	67	75	55	120/60/1	1.22	10	36	RENEWAIRE EV PREMIUM MH	1.2

1. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.

NOTES: 2. TWO EC MOTORS.

3. PROVIDE WITH DIGITAL TIME CLOCK CONTROLLER AND FUTURE CONNECTION TO BMS.

FIN TUBE SCHEDULE																						
TAG	FIN SIZE	(W X H)	FINS PER FT.	FIN TYPE	TUBE SIZE	TIERS	LENGTH (FT)	HOT WATER						ENCLOSURE				TYPICAL UNIT MFG & MODEL NO.	NOTES:			
								FLOW (GPM)	BTU/H/FT	BTU/H	EWT (F°)	LWT (F°)	AWT (F°)	HEIGHT (IN.)	DEPTH (IN.)	HEIGHT AFF (IN.)	STYLE					
																				DB/WB (°F)	DB/WB (°F)	DB (°F)
FT-1	4-1/4" X 3-5/8"		32	CU/AL	3/4"	1	7	0.65	930	6510	180	160	170	24	5.5/16	4	SLOPE TOP	STERLING JVB-ARS	1.2, 3			

1. PROVIDE ACCESS DOOR IN ENCLOSURE AS NECESSARY FOR ACCESS TO SHUTOFF VALVE, CONTROL VALVE, AND ACCESSORIES.

NOTES: 2. ENCLOSURE COLOR TO BE SELECTED BY ARCHITECT.

3. PROVIDE WITH 16 GAUGE ENCLOSURE.

HEAT PUMP SCHEDULE															
TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	NOMINAL CAP. (TONS)	REF. TYPE	RATED COOLING CAPACITY (MBH)	RATED HEATING CAPACITY (MBH)	EER	MCA	MOP	VOLT/Ø	OPERATING WEIGHT (LBS.)	NOTES	
SSO-1	ROOF	SSI-1	DAIKIN	RXL09WMVJU9	0.75	410A	9,000	10,900	11.5	8.7	15	208/1	63	1.2,3	
SSO-2	ROOF	SSI-2	DAIKIN	RZQ24TAVJUA	2	410A	24,000	27,000	12	16.5	20	208/1	172	1.2,3	

1. FACTORY MOUNTED AND WIRED DISCONNECT.

NOTES: 2. MOUNT ON 12" EQUIPMENT RAILS.

3. PROVIDE DRAIN PAN HEATER.

DUCT MOUNTED HEATING COIL SCHEDULE (ELECTRIC)															
TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	CFM	EAT (°F)	LAT (°F)	KW	H (IN.) x L (IN.)	STEPS	ELECTRICAL			WEIGHT (LBS)	NOTES
											V	PH	HZ		
EC-1	NURSE 190	ERV-1	RENEWAIRE	RH SERIES	100	53	84.5	1	8 X 11-1/2	4	120	1	60	10	1.2

NOTES: 1. PROVIDE DUCT MOUNTED TEMPERATURE SENSOR.

2. PROVIDE SCR CONTROLS, AND ELECTRONIC STEP CONTROLLER.

SPLIT SYSTEM INDOOR UNITS SCHEDULE															
TAG	LOCATION	SERVES	MANUFACTURER	MODEL	TYPE	CFM (H/M/L)	RATED CAP. (BTUH)		WEIGHT (LBS.)	MCA	MOP	POWER (VOLTS/Ø)	NOTES		
							HEATING	COOLING							
SSI-1	STORAGE/IT	STORAGE/IT	DAIKIN	FTX09WMVJU9	WALL MOUNTED	417/297/244	10,900	9,000	18	8.7	15	208/1	1.2,3,4		
SSI-2	NURSE	NURSE	DAIKIN	FCQ24TAVJU	CEILING CASSETTE	777/618/477	27,000	24,000	63	0.7	15	208/1	1.2,3,4		

1. MINIMUM HEATING AMBIENT TEMPERATURE OF -4 F

2. DRAIN PAN LEVEL SENSORS.

NOTES: 3. PROVIDE BACNET INTERFACE.

4. PROVIDE MANUFACTURER'S CONDENSATE PUMP.

FAN SCHEDULE																	
TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	CFM	ESP (IN.WG.)	DRIVE	MOTOR			V	PH	HZ	SONES	WEIGHT (LBS)	NOTES
									HP	RPM	W						
EF-1	ROOF	ISOLATION ROOM	GREENHECK	G-60-VG	DOWNBLAST	50	0.13	DIRECT	0.07	972	115	1	60	1.2	19	1.2,3	

1. PROVIDE WITH BACKDRAFT DAMPER.

NOTES: 2. PROVIDE WITH ECM MOTOR.

3. PROVIDE MANUFACTURER'S STANDARD ROOF CURB.

GRAVITY VENTILATOR SCHEDULE									
TAG	LOCATION	SERVICE	THROAT AREA (SQ. FT.)	ROOF OPENING (IN)	AIR FLOW (CFM)	SP (IN. W.G.)	TYPICAL UNIT MFG & MODEL NO.	NOTES:	
GV-1	ROOF	ERV-1 INTAKE	0.35	10.5X10.5	100	0.013	GREENHECK GR8I-8	1.2,3	
GV-2	ROOF	ERV-1 RELIEF	0.35	10.5X10.5	100	0.008	GREENHECK GR8R-8	1.2,3	

1. WIRE MESH BIRD SCREEN.

NOTES: 2. BACKDRAFT DAMPER

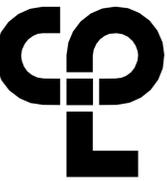
3. PROVIDE WIND RATED ROOF CURB 14" HIGH.

SOUTH ORANGETOWN MIDDLE SCHOOL NURSES OUTSIDE AIR CALC										
SPACE	OCCUPANCY CLASSIFICATION	TOTAL SQ. FT.	OCCUPANT DENSITY #/1000 SQ. FT.	TOTAL OCCUPANCY FOR VENTILATION	O.A. PER PERSON (CFM)	O.A. PER SQ. FT. (CFM)	Vbz (CFM)	AIR DISTRIBUTION EFFECTIVENESS	Voz=Vol (CFM)	TOTAL EXHAUST REQUIRED (CFM)
NURSE 190	OFFICE SPACE	670.0	5	4	5	0.06	60	0.8	75	0
ISOLATION 190A	ISOLATION ROOM	107.0	0	0	0	0	0	0.8	0	50
RESTROOM 190B	TOILET	85.0	0	0	0	0	0	0.8	0	100
IT/STORAGE 190C	IT SPACE	192.0	0	0	0	0	0	0.8	0	0

REGISTERS, GRILLES, AND DIFFUSERS							
TAG	APPLICATION	MATERIAL	TYPE	FINISH	DESIGN EQUIP.	NOTES:	
D1	SUPPLY	STEEL	LAY-IN	WHITE	PRICE SCD	1	
R1	RETURN/EA	STEEL	LAY-IN	WHITE	PRICE S35	1	

1. 24X24 FACE SIZE.

NOTES: 2. SEE PLANS FOR SIZE.



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NY ENGINEERING FIRM CERTIFICATE #018030



PROJECT INFORMATION

Project Number
R23.01124.00

Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name
2024 CAPITAL IMPROVEMENTS PROJECT

SOUTH ORANGETOWN MIDDLE SCHOOL

Building Address
160 VAN WYCK ROAD, BLAUVELT, NY 10913

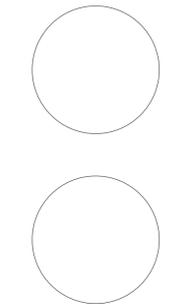
SID # 55-03-01-04-0-013-031

Task/Issue/Revision Dates
Issue/Issue: 05/20/23
Anthony Morichetti: 05/31/24
Date/Rev: 05/28/25
Jennifer Wengender: 06/20/24

PROJECT ISSUE & REVISION SCHEDULE

Date Description

PROFESSIONAL STAMPS



NEW YORK STATE DESIGN FIRM
IF A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMPASSionate REGULATION FOR ANY PERSON, UNDER ANY OTHER PROVISION OF ANY OTHER ARCHITECT, ENGINEER OR LAND SURVEYOR TO AVOID AN ACTION IN ANY WAY, IN ANY STATE, BEARING THE SEAL OF ANY ARCHITECT, ENGINEER OR SURVEYOR, THE ARCHITECT, ENGINEER OR SURVEYOR SHALL BE HELD RESPONSIBLE AND A SPECIFIC DESCRIPTION OF THE VIOLATION.

SHEET INFORMATION

Issued
04/12/2024

Project Status
Scale

BID DOCUMENTS

Drawn By
BKM

Checked By
AJS

Drawing Title
MECHANICAL SCHEDULES

Drawing Number

SOMS
H900

WIRING LEGEND:

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

SINGLE LINE DIAGRAM LEGEND:

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

COMMUNICATIONS LEGEND:

▼*	TELEPHONE DROP
(NONE)	STANDARD MODULAR JACK FOR TELEPHONE
W	WALL MOUNTED TELEPHONE MODULAR JACK
P	PUBLIC TELEPHONE MODULAR JACK
C	COUNTER HEIGHT MODULAR JACK
▼	TELEPHONE FLOOR DROP
▼	DATA DROP
▼	COMPUTER FLOOR DROP
▼	COMBINATION TELEPHONE/DATA DROP
▼	WIRELESS ACCESS POINT
WT	WIRELESS TRANSMITTER
T	DATA RACK
TV	COAX CABLE DROP
PX	CILING MOUNT LCD PROJECTOR
⊕	SPEAKER (PUBLIC ADDRESS)
(NONE)	CILING MOUNTED
w	WALL MOUNTED
⊕	SPEAKER (LOCAL SOUND SYSTEM)
⊕	SPEAKER HORN
M	MICROPHONE JACK
SJ	SPEAKER JACK
V	VOLUME CONTROL
C	CLOCK
⊕C	DOUBLE FACE CLOCK
⊕S	COMBINATION CLOCK AND SPEAKER
IC	INTERCOM STATION
PA	REMOTE PRE-AMPLIFIER AND PAGING MICROPHONE
CT	CONSOLE JACK
HL	HOUSE LIGHT CONTROL STATION
WB	WALL BOX AS SPECIFIED
FB	FLOOR BOX

NOTE:

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

FIRE/LIFE SAFETY LEGEND:

F	FIRE ALARM PULL STATION
Fb	FIRE ALARM BELL
H	FIRE ALARM HORN
HWP	FIRE ALARM HORN AND STROBE COMBINATION, WEATHER PROOF
S	FIRE ALARM SPEAKER
Sc	FIRE ALARM SPEAKER - CEILING MOUNTED
HSP	FIRE ALARM SPEAKER AND STROBE COMBINATION
FSt	FIRE ALARM STROBE
FSc	FIRE ALARM STROBE - CEILING MOUNTED
S	SMOKE DETECTOR
WG	SMOKE DETECTOR WITH GUARD
CO	CARBON MONOXIDE DETECTOR
CH4	NATURAL GAS SENSOR
H	HEAT DETECTOR
Hf	COMBINATION SMOKE/HEAT DETECTOR
Hf	HEAT DETECTOR - 190° FIXED TEMPERATURE
EXP	HEAT DETECTOR - EXPLOSION PROOF
BT	BEAM SMOKE DETECTOR TRANSMITTER
BR	BEAM SMOKE DETECTOR RECEIVER
D	DUCT DETECTOR
SA	INDICATES INSTALLATION IN SUPPLY AIR
RA	INDICATES INSTALLATION IN RETURN AIR
RTS	REMOTE TEST STATION FOR DUCT DETECTOR
R	FIRE ALARM SHUT DOWN RELAY
DH	FIRE DOOR HOLD OPEN
VS	TAMPER SWITCH
WF	FLOW SWITCH
SS	FIRE SUPPRESSION ANSUL SYSTEM CONNECTION
FR	SMOKE DAMPER RELAY CONNECTION
SD/FD	SMOKE DAMPER AND FIRE DAMPER
SD	SMOKE DAMPER
AM	CONTROL MODULE, ADDRESSABLE
•	AREA OF RESCUE CALL STATION
MA	AREA OF RESCUE MASTER TELEPHONE STATION

SECURITY LEGEND:

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

NURSE CALL LEGEND:

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

LIGHT FIXTURE LEGEND:

	LIGHTING FIXTURE (SEE LIGHTING FIXTURE SCHEDULE FOR LETTER DESIGNATION AND DESCRIPTION OF FIXTURES)
	EMERGENCY AND/OR NIGHT LIGHT LIGHTING FIXTURE
	EXIT LIGHTING FIXTURE UNIVERSAL MOUNT, SINGLE/DOUBLE FACE (WHERE USED, ARROW INDICATES CHEVRON DIRECTION)
	BATTERY POWERED EMERGENCY LIGHT
	EMERGENCY LIGHT REMOTE HEAD
	TRACK LIGHTING
	POLE MOUNTED LIGHTING (QUANTITY AND ORIENTATION OF HEADS AS SHOWN)
OS	OCCUPANCY SENSOR - CEILING MOUNTED
OSW	OCCUPANCY SENSOR - WALL MOUNTED
LC	LIGHTING CONTACTOR
PC	PHOTOCELL

PANEL LEGEND:

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

ELECTRICAL PANELBOARD LABELING PLACARD

LINE 1 - PANELBOARD NAME: PPI (EXAMPLE)
 LINE 2 - VOLTAGE AND PHASE: 480/277V-3PH-4W (EXAMPLE)
 LINE 3 - WHERE PANELBOARD IS FED FROM: FF MSB BREAKER #14 (EXAMPLE)

GENERAL ELECTRICAL NOTES:

- HATCHED AREAS // DESIGNATE EXISTING EQUIPMENT TO BE REMOVED, UNLESS OTHERWISE NOTED.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70).
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING.
- INSTALL DATA JACKS FOR CEILING MOUNTED WIRELESS TRANSMITTERS ABOVE CEILING IN ALL AREAS WHERE THERE IS AN ACCESSIBLE CEILING, UNLESS OTHERWISE NOTED. PROVIDE FLUSH MOUNTED JACKS IN ALL HARD CEILINGS.
- ALL CONDUIT AND WIRING TO BE CONCEALED IN WALLS, FLOOR, OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN-LEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.
- ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.
- CONDUIT RUNS SHOWN ARE SCHEMATICAL AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

GROUNDING:

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

WIRING:

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

INSTALLATION HEIGHTS:

HEIGHT TO CENTER OF EQUIPMENT ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED TO BE THE FOLLOWING:

- RECEPTACLE = 18"
- SWITCH = 44"
- MODULAR JACK FOR WALL MOUNTED TELEPHONE = 52"
- MODULAR TELEPHONE JACK = 18"
- AUDIO/VISUAL FIRE ALARM INDICATORS = 88"
- FIRE ALARM PULL STATIONS = 48"
- TELEVISION OUTLET = 7'-0"
- COMPUTER OUTLET = 18"
- CALL SWITCH = 44"
- REMOTE TEST STATION FOR DUCT DETECTOR = 52"

C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS.



CPL | Architecture Engineering Planning
 50 Front Street Suite 202,
 Newburgh, NY 12550
CPLearn.com

NY ENGINEERING FIRM CERTIFICATE #018330



PROJECT INFORMATION

Project Number
 R23.01124.00

Client Name

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name

2024 CAPITAL IMPROVEMENTS PROJECT

SOUTH ORANGETOWN MIDDLE SCHOOL

Building Address
 160 VAN WYCK ROAD, BLAUVELT, NY 10913

SED # 50-03-01-04-0-013-031

Registration Expiration Dates

Lizaren Torres 05/30/23

Anthony Marchetti 05/31/24

Dave Hoyt 02/28/25

Jennifer Wengender 06/30/24

PROJECT ISSUE & REVISION SCHEDULE

Date Description

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNDER ANY TITLE, TO ENGAGE IN THE PRACTICE OF ARCHITECTURE, ENGINEERING OR LAND SURVEYING, OR TO ALTER AN EXISTING ARCHITECTURAL, ENGINEERING OR LAND SURVEYING PLAN, WITHOUT BEING A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR. TO ALTER AN EXISTING ARCHITECTURAL, ENGINEERING OR LAND SURVEYING PLAN, WITHOUT BEING A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS. THE SIGNATURE AND THE DATE OF SUCH A VIOLATION, AND A BRIEF DESCRIPTION OF THE VIOLATION, SHALL BE FILED WITH THE STATE EDUCATION DEPARTMENT.

SHEET INFORMATION

Issued 05/15/24 Scale AS NOTED

Project Status

BID DOCUMENTS

Drawn By MAY

Checked By JBT

Drawing Title

ELECTRICAL SYMBOLS LEGEND, NOTES & SYSTEM DIAGRAMS

Drawing Number

SOMS E000



CPL | Architecture Engineering Planning
50 Front Street Suite 202,
Newburgh, NY 12550
CPLearn.com

NY ENGINEERING FIRM CERTIFICATE #018330



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**SOUTH ORANGETOWN
SCHOOL DISTRICT**

Project Name
**2024 CAPITAL IMPROVEMENTS
PROJECT**

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160 VAN WYCK ROAD, BLAUVELT, NY 10913

SED # 20-03-01-04-0-013-031

Registration Expiration Dates
Loreen Tanna 05/30/23
Anthony Marchetti 05/31/24
Diane Hoff 03/28/25
Jennifer Wengender 06/30/24

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#	Date	Description
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SHEET INFORMATION

Issued 05/15/24 Scale As indicated

Project Status BID DOCUMENTS

Drawn By MAY Checked By JBT

Drawing Title
FIRST FLOOR DEMOLITION PLAN

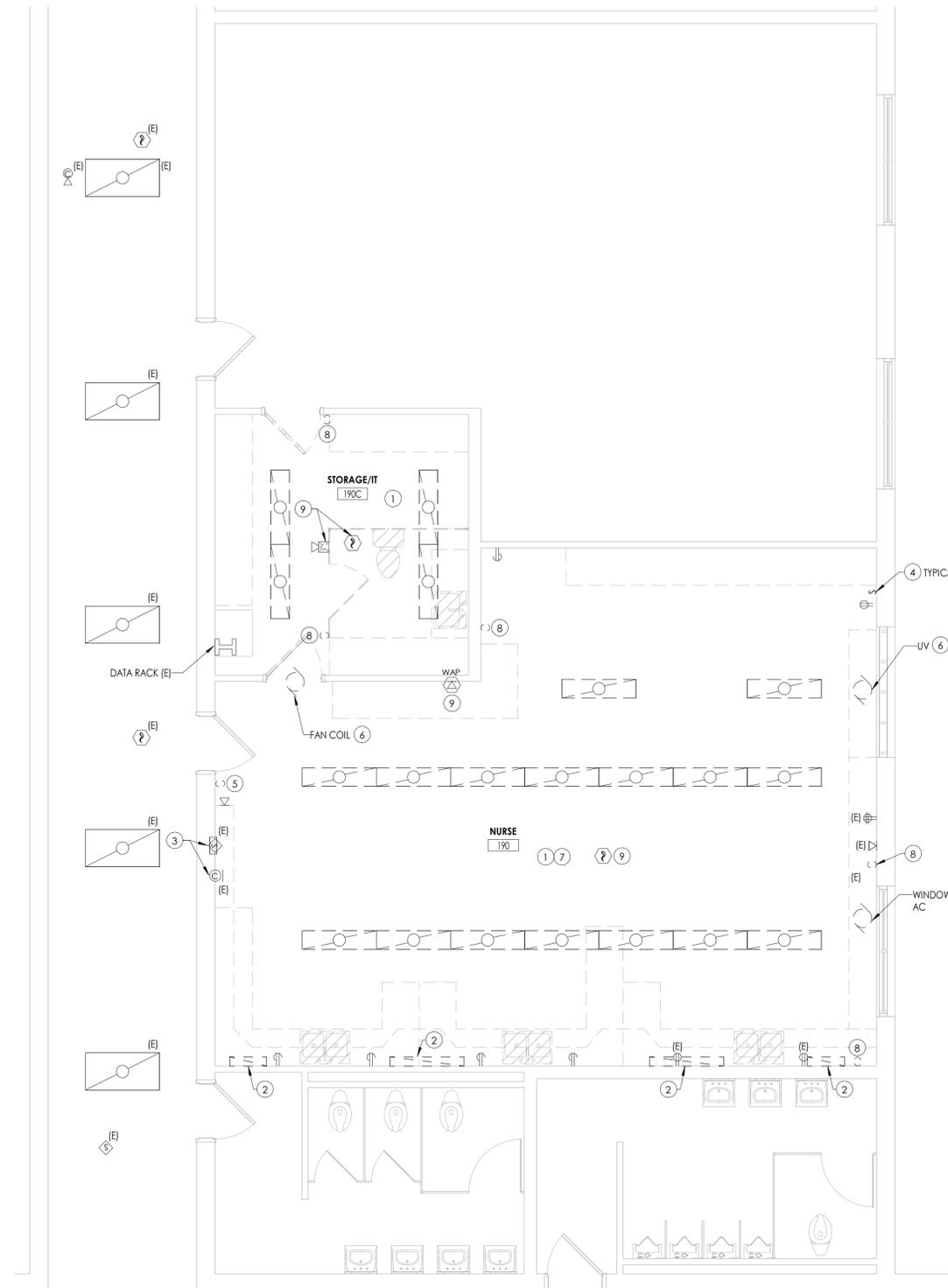
Drawing Number
**SOMS
E100**

GENERAL NOTES

- A. ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING. REMOVAL OF DEVICE INCLUDES ITS ASSOCIATED CABLING/BRANCH CIRCUIT WIRING, AND RACEWAY.
- B. ANY EXISTING DEVICE TO REMAIN, LABELED AS (E) SHALL REMAIN IN PLACE AS WELL AS ITS ASSOCIATED CIRCUITING AND CONDUIT, UNLESS OTHERWISE NOTED.
- C. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.
- D. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS BEING REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.
- E. WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.
- G. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE.
- H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS, EQUIPMENT, PANELS, LIGHT FIXTURES, ETC. BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
- I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
- J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

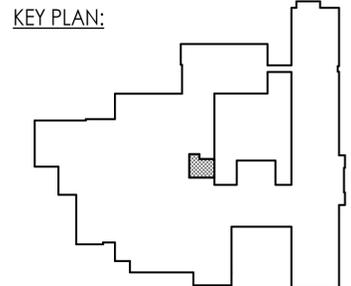
KEY NOTES

- 1 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES. TAG CIRCUITRY FOR RE-USE.
- 2 DISCONNECT AND REMOVE LIGHT FIXTURE IN THEIR ENTIRETY. REMOVE CONDUIT/WIRING BACK TO SOURCE.
- 3 DISCONNECT AND STORE CLOCK AND SPEAKER FOR RE-USE. TAG WIRING FOR RE-USE.
- 4 DISCONNECT AND REMOVE ALL LIGHT SWITCHES AND WIRING IN THEIR ENTIRETY.
- 5 DISCONNECT AND REMOVE EXISTING SWITCH AND CIRCUITRY. BACK BOX AND CONDUIT TO REMAIN.
- 6 DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRING TO EQUIPMENT IN ITS ENTIRETY.
- 7 WALLS IN THIS ROOM ARE TO BE FURRED OUT TO ACCOMMODATE NEW DEVICES. EXISTING DEVICES LOCATED ON WALLS ARE TO BE DISCONNECT, REMOVED, AND TAGGED FOR RE-USE.
- 8 DISCONNECT AND REMOVE EXISTING SWITCHES, CIRCUITRY, CONDUIT AND BACKBOXES. REMOVE WIRING BACK TO SOURCE.
- 9 DISCONNECT EXISTING DEVICES SHOWN FOR RE-LOCATION. STORE DEVICES AND TAG ALL CIRCUITRY FOR RE-USE.



1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN
E100 1/4" = 1'-0"

KEY PLAN:





CPL | Architecture Engineering Planning
50 Front Street Suite 202,
Newburgh, NY 12550
CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #018330



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PROJECT ISSUE & REVISION SHEET

Date Description

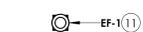
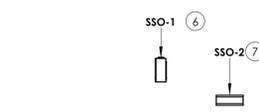
PROFESSIONAL STAMPS

GENERAL NOTES

- A. FOR ALL 120V DEVICES SHOWN, WIRE WITH (2) #12, #12GND IN 3/4" C AND CONNECT TO EXISTING SPARE 20A/1P CIRCUIT BREAKER IN PANEL LVP2 INDICATED BY CIRCUIT NUMBER ADJACENT TO DEVICE.
- B. ALL CIRCUITS OVER 100 FEET TO BE WIRED WITH #10 THHN.
- C. FIXTURE TYPE MARK IS INDICATED ADJACENT TO ALL LIGHT FIXTURES. REFER TO LUMINAIRE SCHEDULE ON THIS DRAWING FOR FIXTURE DESCRIPTIONS, TYPES, NOTES, AND SPECIFICATIONS.
- D. ALL LIGHT FIXTURES SHOWN SHALL BE WIRED WITH (2) #12, (1) #12GND IN 3/4" CONDUIT, WIRED TO PANEL AND CIRCUIT INDICATED. CIRCUITS EXCEEDING 100' SHALL BE WIRED WITH #10 CONDUCTORS.
- F. PROVIDE ANY ADDITIONAL POWER SUPPLIES OR OTHER MISCELLANEOUS COMPONENTS REQUIRED FOR A COMPLETE, OPERATIONAL LIGHTING SYSTEM TO MEET THE DESIGN INTENT OF THE LIGHTING SEQUENCE OF OPERATIONS AS SHOWN.
- G. FOR ALL DATA/VOICE DEVICES SHOWN, PROVIDE A FLUSH MOUNTED 2-GANG BOX WITH SINGLE GANG DEVICE RING. PROVIDE (2) CATEGORY 6 UTP CABLE IN 1-1/4" CONDUIT TO DEVICE LOCATIONS. CABLING TO RUN TO DATA RACK IN STORAGE/IT 190C. PROVIDE 2-PORT FACEPLATE, BRACKETS, (2) RJ-45 JACKS, ETC. AT EACH LOCATION.

KEY NOTES

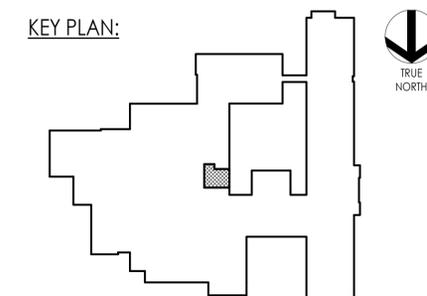
1. CONNECT NEW LIGHT FIXTURES AND SWITCHES TO EXISTING TAGGED CIRCUITRY.
2. PROVIDE NEW SWITCHES AS INDICATED. PROVIDE ALL LOW VOLTAGE WIRING, POWER PACKS, AND DEVICES AS NECESSARY TO PROVIDE A COMPLETE LIGHTING SYSTEM.
3. NEW LOCATION OF EXISTING DEVICES. CONNECT TO EXISTING TAGGED WIRING. REWORK/EXTEND WIRING AS NECESSARY TO ACCOMMODATE NEW DEVICE LOCATIONS.
4. PROVIDE (2) #12, (1) #12 GND IN 3/4" CONDUIT FROM PANEL LVP2, CIRCUIT 7 TO ERV-1. UTILIZE EXISTING 20-AMP, 1-POLE CIRCUIT BREAKER.
5. PROVIDE (2) #12, (1) #12 GND IN 3/4" CONDUIT FROM PANEL LVP2, CIRCUIT 8,10 TO SSI-1 AND SSI-2. PROVIDE A 20-AMP, 2-POLE CIRCUIT BREAKER IN SPACES INDICATED. PROVIDE (2) #12, (1) #12 GND IN 3/4" CONDUIT FROM PANEL LVP2, CIRCUIT 16 TO CONDENSATE PUMPS FOR SSI-1 AND SSI-2. PROVIDE A 20-AMP, 1-POLE CIRCUIT BREAKER IN SPACE INDICATED.
6. PROVIDE (2) #10, (1) #12 GND IN 3/4" CONDUIT FROM PANEL LVP2, CIRCUIT 9,11 TO SSO-1. PROVIDE A 20-AMP, 2-POLE CIRCUIT BREAKER IN SPACES INDICATED.
7. PROVIDE (2) #10, (1) #12 GND IN 3/4" CONDUIT FROM PANEL LVP2, CIRCUIT 12,14 TO SSO-2. PROVIDE A 20-AMP, 2-POLE CIRCUIT BREAKER IN SPACES INDICATED.
8. EXISTING WALL MOUNTED DEVICES TO BE PLACED IN NEW FURRED OUT WALLS AT LOCATIONS INDICATED.
9. PROVIDE (2) #12, (1) #12GND IN 3/4" CONDUIT FROM PANEL LVP2, CIRCUIT 13 TO NEW HAND DRYER. UTILIZE EXISTING 20-AMP, 1-POLE CIRCUIT BREAKER.
10. PROVIDE JUNCTION BOXES AT LOCATIONS INDICATED FOR COMMUNICATING BATHROOM PACKAGE. PROVIDE 3/4" CONDUITS FROM EACH BOX AND EACH POWER TRANSFER HINGE TO ABOVE CEILING DOOR POWER SUPPLY. PROVIDE (2) #12, (1) #12GND IN 3/4" CONDUIT FROM PANEL LVP2, CIRCUIT 15, TO DOOR POWER SUPPLY. UTILIZE EXISTING 20-AMP, 1-POLE CIRCUIT BREAKER. ALL CONTROL WIRING DONE BY DOOR HARDWARE INSTALLER. COORDINATE ALL WORK AND LOCATIONS WITH DOOR HARDWARE INSTALLER PRIOR TO INSTALLATION.
11. PROVIDE (2) #10, (1) #12 GND IN 3/4" CONDUIT FROM PANEL LVP2, CIRCUIT 16 TO EF-1. PROVIDE A 20-AMP, 1-POLE CIRCUIT BREAKER IN SPACE INDICATED.
12. PROVIDE (2) #12, (1) #12 GND IN 3/4" CONDUIT FROM PANEL LVP2, CIRCUIT 18 TO EC-1. PROVIDE A 20-AMP, 1-POLE CIRCUIT BREAKER IN SPACE INDICATED.
13. PROVIDE NEW FIRE ALARM DEVICES AT LOCATIONS INDICATED. DEVICES TO MATCH EXISTING EST FIRE ALARM PANEL DEVICES. PROVIDE ALL WIRING FROM DEVICES TO LOCAL SLC LOOP. PROVIDE TESTING OF ALL DEVICES TO ENSURE SYSTEM IS IN WORKING ORDER. COORDINATE TESTING WITH OPEN SYSTEMS, THE SCHOOLS FIRE ALARM VENDOR.



3 ROOF ELECTRICAL NEW WORK PLAN

E200 1/8" = 1'-0"

KEY PLAN:



SHEET INFORMATION

Issued 05/15/24 Scale As indicated

Project Status BID DOCUMENTS

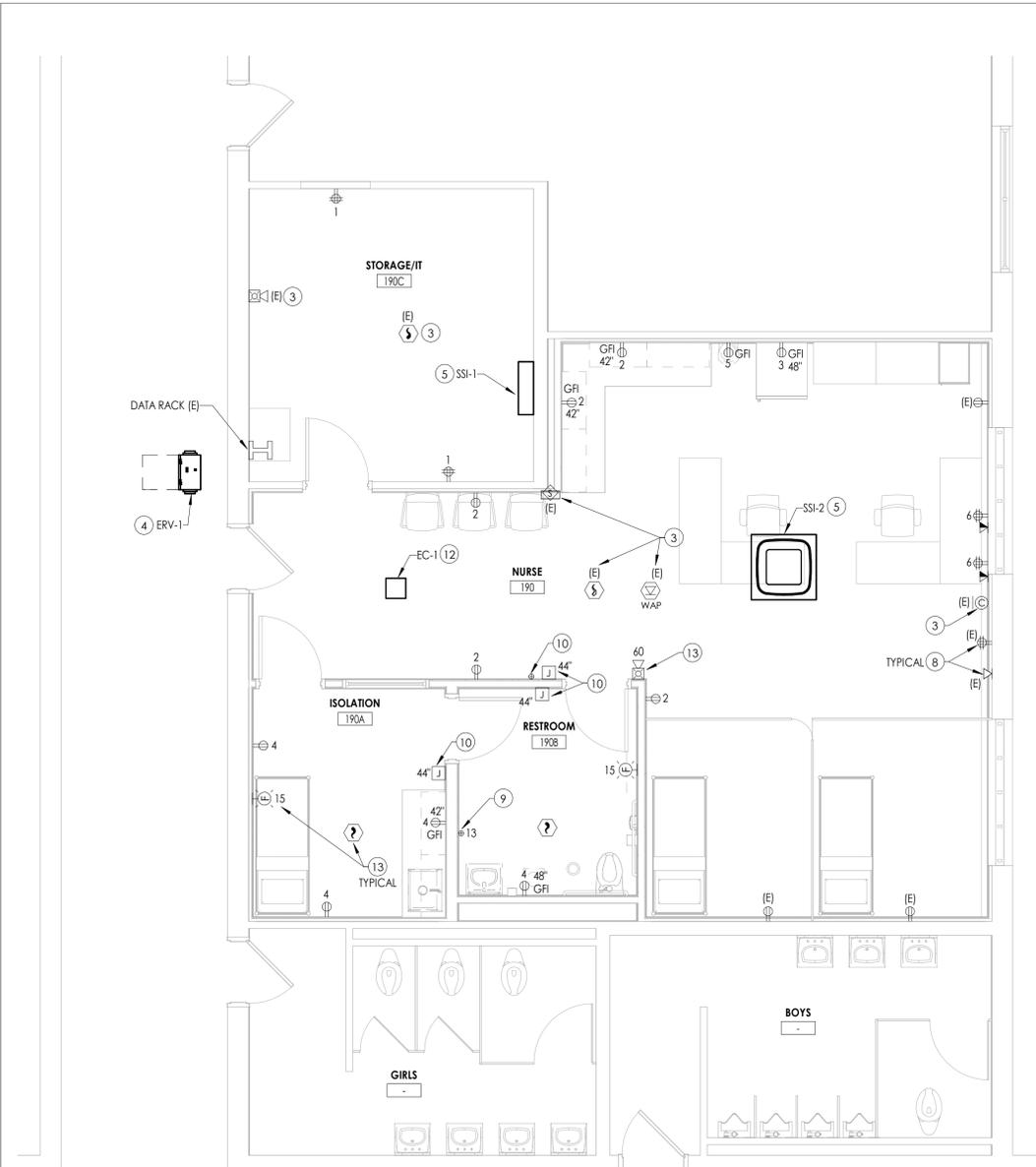
Drawn By MAY Checked By JBT

Drawing Title

FIRST FLOOR ELECTRICAL NEW WORK PLAN

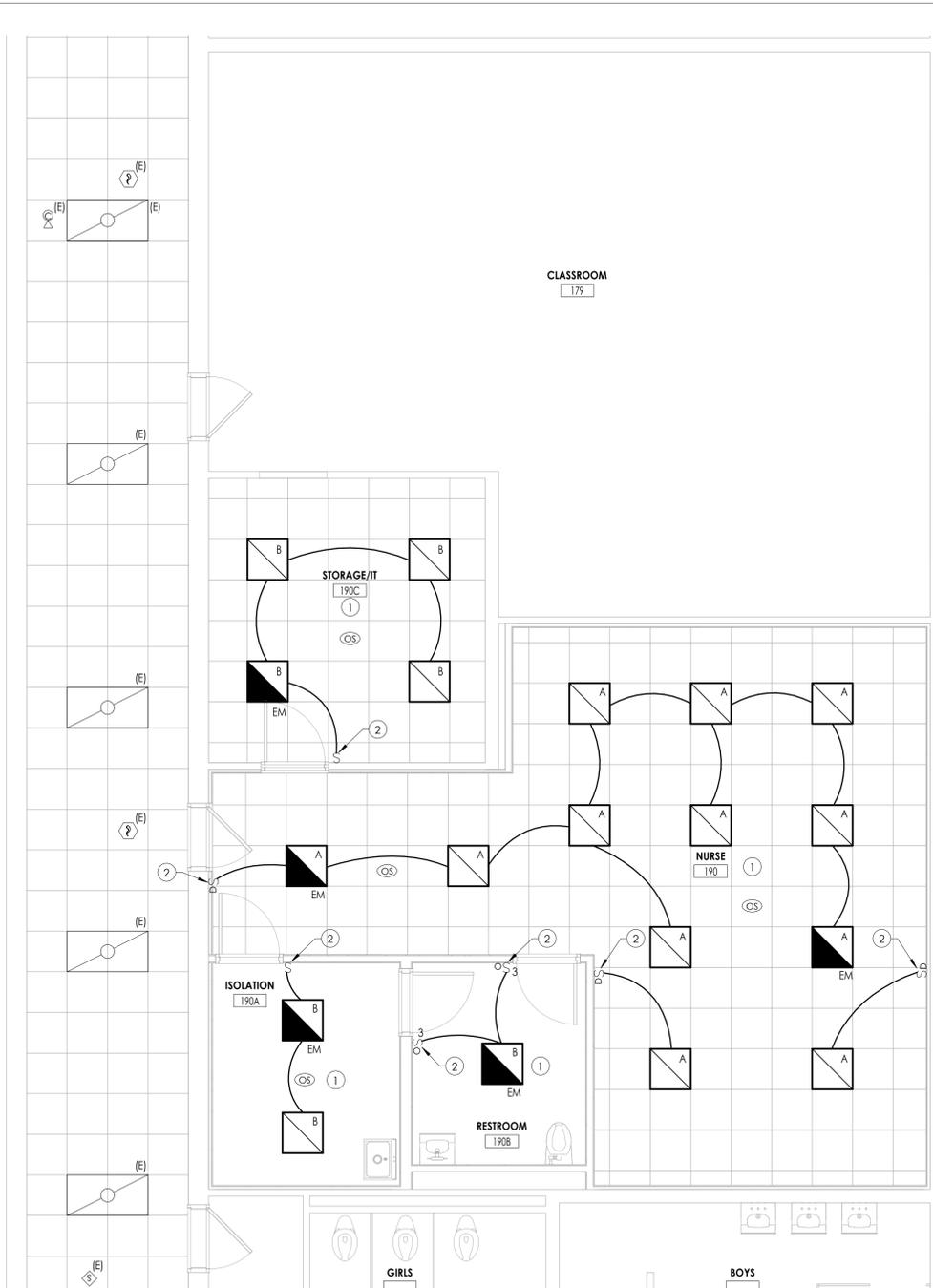
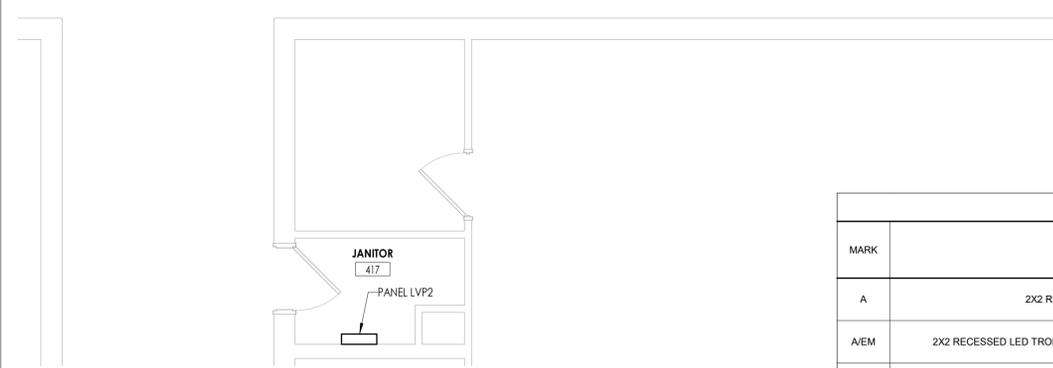
Drawing Number

SOMS
E200



1 FIRST FLOOR ELECTRICAL NEW WORK PLAN

E200 1/4" = 1'-0"



2 FIRST FLOOR LIGHTING PLAN

E200 1/4" = 1'-0"

MARK	DESCRIPTION	DESIGN MAKE	MODEL NUMBER	VOLTS	LAMP		REMARKS:
					WATTS	TEMPERATURE	
A	2X2 RECESSED LED TROFFER	SIGNIFY LIGHTING	42-22-D1-ST-L-935-40-Q-1-UNV-E	UNV	36	3500K	
A/EM	2X2 RECESSED LED TROFFER WITH EMERGENCY BATTERY BACKUP	SIGNIFY LIGHTING	42-22-D1-ST-L-935-40-Q-B-UNV-E	UNV	36	3500K	2,3
B	2X2 RECESSED LED FLAT PANEL	SIGNIFY LIGHTING	2FPZ-38B-835-2-DS-UNV-DIM-FMA22	UNV	29	3500K	1
B/EM	2X2 RECESSED LED FLAT PANEL EMERGENCY BATTERY BACKUP	SIGNIFY LIGHTING	2FPZ-38B-835-2-DS-UNV-DIM-BLSLT-FMA23	UNV	29	3500K	1,2,3

REMARKS:

1. FIXTURES ARE TO BE PROVIDED WITH GYP CEILING MOUNTING FLANGE KIT, PART NO. FMA22
2. ALL FIXTURES SHOWN WITH AN "EM" DESIGNATION INDICATES AND EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP FOR EACH FIXTURE INDICATED.
3. ALL "EM" BATTERY BACKUPS WITHIN FIXTURE SHALL BE WIRED TO THE UNSWITCHED HOT LEG OF THE CIRCUIT FEEDING IT.