

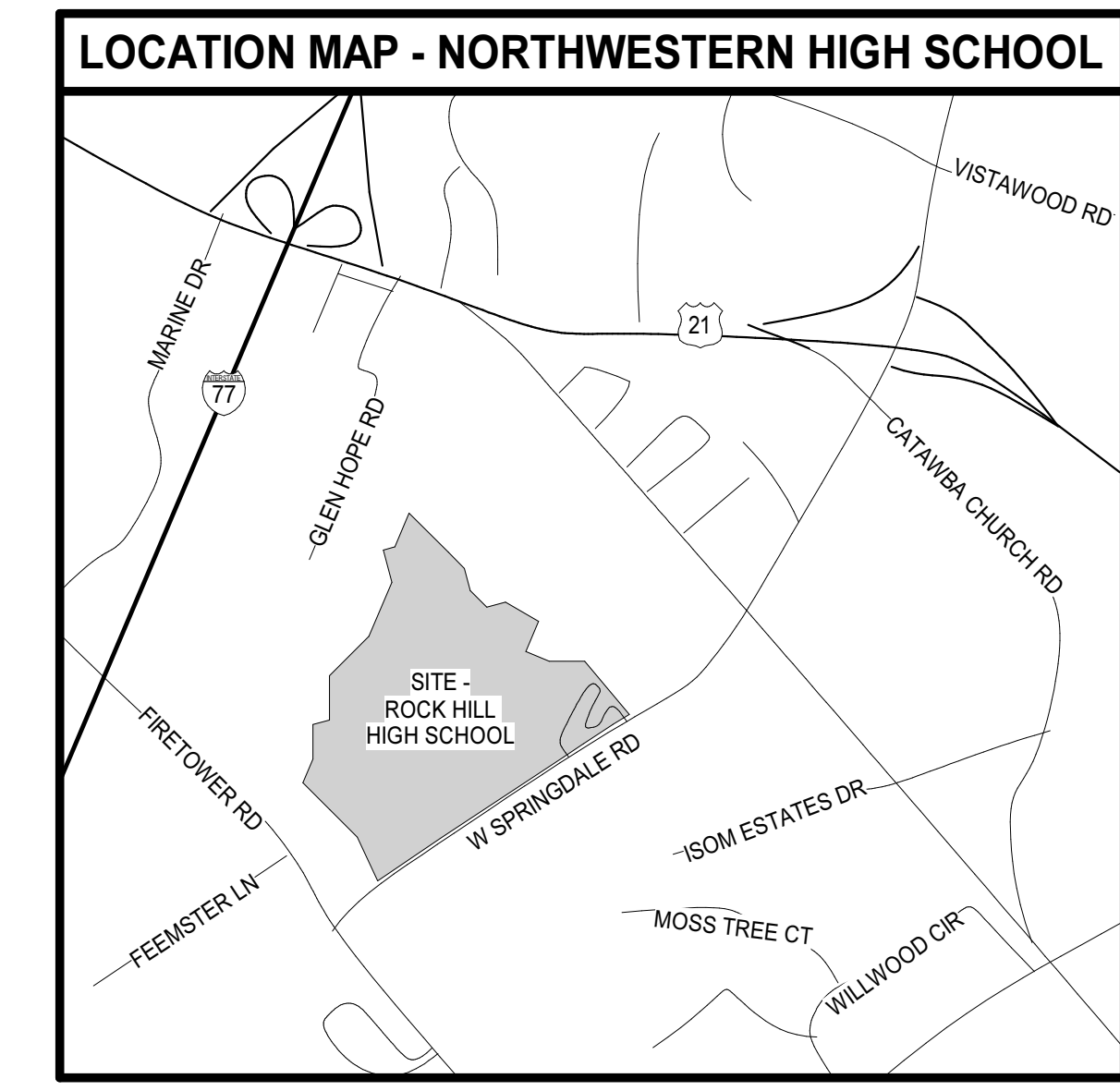
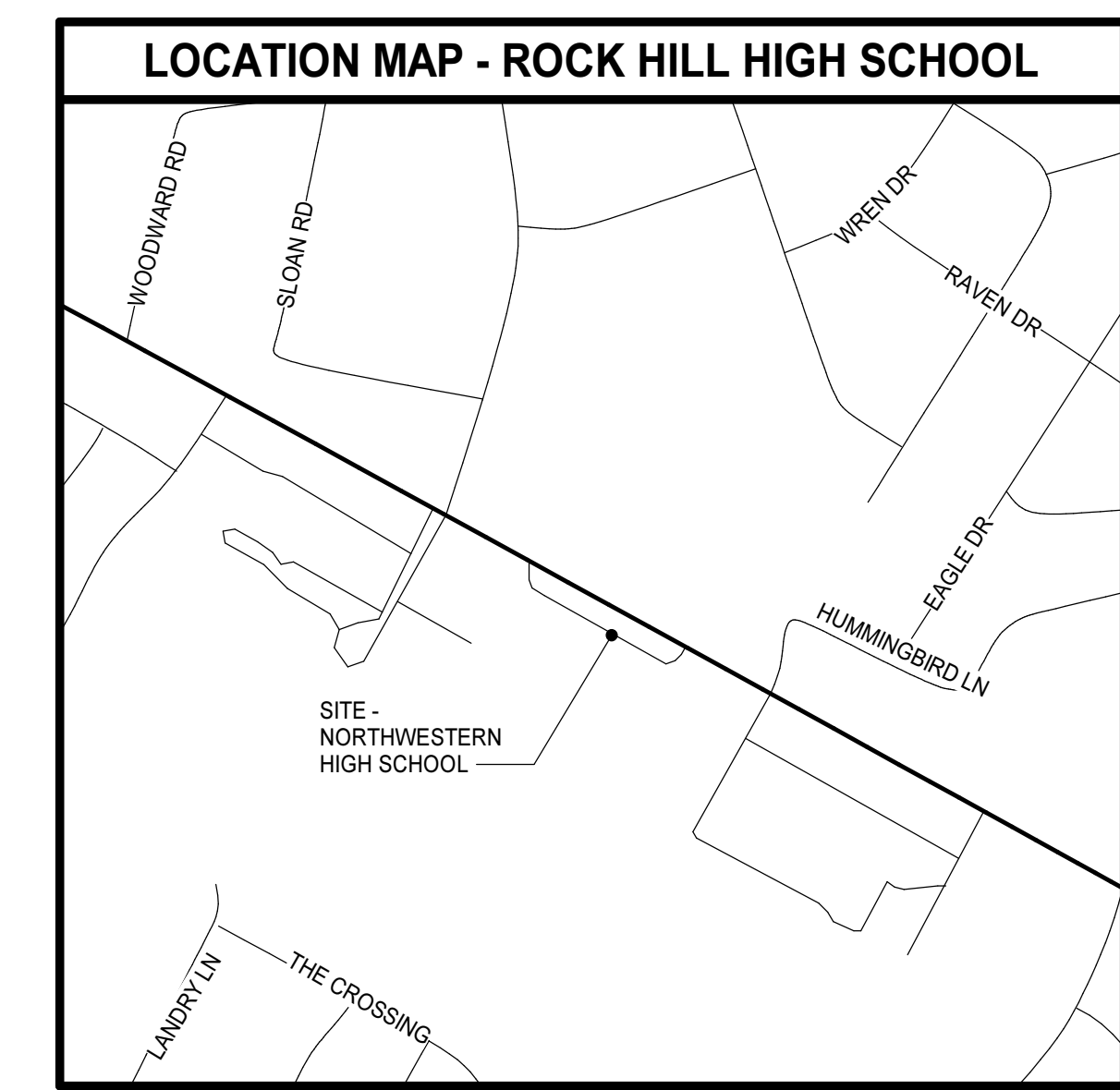
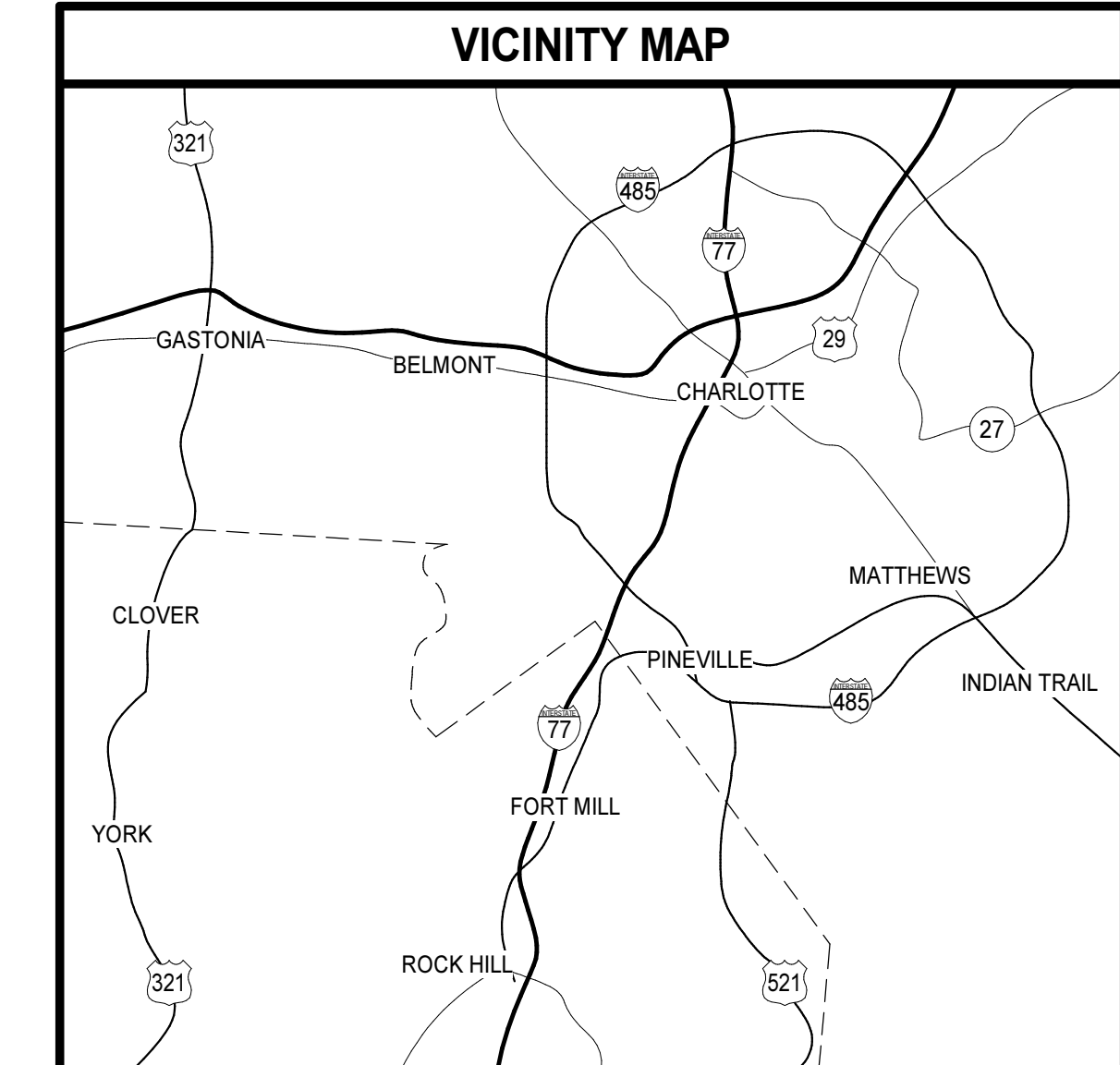
Rock Hill & Northwestern High Consumer Sciences Renovation

ROCK HILL SCHOOLS, DISTRICT THREE  
 Rock Hill, South Carolina

PROJECT NO:	593139
DATE:	March 11, 2020
REVISIONS	
DATE	DESCRIPTION

COVER

DRAWING INDEX - VOLUME 1	
GENERAL	COVER
LIFE SAFETY	
LS1.1	CODE SUMMARY - NORTHWESTERN HIGH
LS1.2	CODE SUMMARY - ROCK HILL HIGH
ARCHITECTURAL	
A0.1	GENERAL ARCHITECTURAL INFORMATION
A2.1	FLOOR PLAN - NORTHWESTERN
A2.2	FLOOR PLAN - ROCK HILL
PLUMBING	
P0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
P1.01	FIRST FLOOR PLANS - DEMOLITION
P2.0.1	FIRST FLOOR PLANS - NEW WORK
MECHANICAL	
M0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
M2.1.1	MECHANICAL DUCTWORK - ROCK HILL H.S.
M2.1.2	MECHANICAL DUCTWORK - NORTHWESTERN H.S.
ELECTRICAL	
E0.1	LEGENDS, ABBREVIATIONS AND GENERAL NOTES
E2.1.1	PLANS AND DETAILS - ROCK HILL HS
E2.1.2	PLANS AND DETAILS - NORTHWESTERN HS



BID SET

# Rock Hill & Northwestern High Consumer Sciences Renovation

ROCK HILL SCHOOLS, DISTRICT THREE  
 ROCK HILL, SOUTH CAROLINA

**MOSELEYARCHITECTS**

1320 MAIN STREET, SUITE 300, COLUMBIA, SC 29201  
 PHONE (803) 724-1252  
 MOSELEYARCHITECTS.COM

Moseley Architects  
[www.MoseleyArchitects.com](http://www.MoseleyArchitects.com)

Architectural, Mechanical, Electrical, Plumbing  
 Columbia, South Carolina

FORM F3 BUILDING CODE ANALYSIS FORM

PROJECT	NORTHWESTERN HIGH SCHOOL
DISTRICT	ROCK HILL SCHOOLS, DISTRICT THREE
CODE & EDITION	EXISTING BUILDING INTERNATIONAL EXISTING BUILDING CODE - 2015
GUIDE EDITION	2015

BASIC BUILDING CODE INFORMATION

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING
CONSTRUCTION CLASSIFICATION TYPE (IBC 602)	EXISTING
OCCUPANCY GROUP (IBC 302)	EXISTING
OCCUPANCY GROUP (IBC 503) (Most Restrictive)	EXISTING
INCIDENTAL USE AREA SERRATION (IBC 508.2.5)	EXISTING
ACCESSORY OCCUPANCY (IBC 508.2)	EXISTING
MIXED OCCUPANCY (IBC 508)	EXISTING
NON SEPERATED (IBC 508.3)	EXISTING
SEPARATED (IBC 508.4) (IBC 508.5)	EXISTING
OTHER FIRE PROTECTION SYSTEMS, DEVICES OR FEATURES (IBC 414.1.3)	EXISTING

BUILDING AREA

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING	
AREA LIMIT BY PER STORY (IBC TABLE 506)	EXISTING	
MAXIMUM AREA MODIFICATION PER STORY	-	
MAXIMUM AREA PER STORY	EXISTING	
TOTAL ALLOWED AREA OF BUILDING	STORY 1	EXISTING
	STORY 2	-
	STORY 3	-
	TOTAL ALLOWED	EXISTING
AREA AS DESIGNED PER STORY	STORY 1	EXISTING
		-
TOTAL DESIGNED AREA OF BUILDING	EXISTING	

OPEN PERIMETER WAS NOT USED FOR CALCULATING THE ALLOWED AREA LISTED ABOVE

BUILDING HEIGHT

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING
HEIGHT	DESIGNED ALLOWED
ALLOWABLE BUILDING HEIGHT AND STORIES (IBC TABLE 504.3 & 504.4)	IN FEET EXISTING EXISTING IN STORIES EXISTING EXISTING

BUILDING DESIGN OCCUPANT LOAD

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING
CONCESSIONS	EXISTING
TOTALS	EXISTING

GENERAL FIRE PROTECTION REQUIREMENTS

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING
Fireblocking Required (IBC Section 717)	EXISTING
Draftstopping Required (IBC Section 717)	EXISTING
Smoke Control System Required (IBC Section 906)	EXISTING
Smoke Barriers Required (IBC Sections 407 and 408)	EXISTING
Smoke Partitions Required (IBC Section 407)	EXISTING
Fire Partition Required (IBC Section 420)	EXISTING
Fire Barrier Required (IBC Section 707)	EXISTING
<b>ALARM &amp; DETECTION</b>	
Fire Alarm System Required (IFC Section 907)	EXISTING
Emergency Alarm System Required (IFC 908)	EXISTING
<b>SUPPRESSION</b>	
Standpipes Required (IFC 905)	EXISTING
Sprinklered Required (IFC 903)	EXISTING
Sprinklered Provided	EXISTING
Portable extinguishers required (IFC 906)	EXISTING
Other suppression systems required (IFC 904)	EXISTING
Smoke & heat vents required (IFC 910)	EXISTING

GENERAL FIRE PROTECTION REQUIREMENTS

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING
<b>AREA OF REFUGE</b>	
Separation required (IBC 1007.6.2)	EXISTING
Two-way communication provided (IBC 1007.6.3)	EXISTING
Instruction provided (IBC 1007.6.4)	EXISTING
<b>EXTERIOR AREA FOR ASSISTED RESCUE</b>	
Separation required (IBC 1007.8)	EXISTING
Identification provided (IBC 1007.8.3)	EXISTING

BUILDING AREA		
DESIGNATED AREAS OF BUILDING	As Required, Hrs	EXISTING BUILDING
STRUCTURAL FRAME (IBC TABLE 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Bearing Walls, Exterior (IBC Table 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Bearing Walls, Interior (IBC Table 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Nonbearing Walls & Partitions, Exterior (IBC Table 601 & 602)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Nonbearing Walls & Partitions, Interior & Exterior (IBC Table 601 & 602)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Floor Construction including supporting beams & joists (IBC Table 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Roof Construction including supporting beams & joists (IBC Table 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Fire Walls (IBC Section 706)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Fire Barriers (IBC Section 707)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Shaft Enclosures (IBC Section 708)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-
Fire Partitions (IBC Section 709)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(U.L., F.M., etc.)	-
	Wall/Partition Key Code	-

OPENING FIRE PROTECTION ASSEMBLIES, RATINGS, AND MARKINGS (IBC TABLE 716.5)

Fire walls and fire barriers having a required fire-resistance rating greater than 1 hour	Required Wall Assembly Rating	EXISTING
	Minimum Fire Door & Fire Shutter Assembly Rating	-
	Door Vision Panel Size	-
	Fire-Rated Glazing Marking Door Vision Panel	-
Fire barriers having a required fire-resistance rating of 1 hour	Required Wall Assembly Rating	EXISTING
	Minimum Fire Door & Fire Shutter Assembly Rating	-
	Door Vision Panel Size	-
	Fire-Rated Glazing Marking Door Vision Panel	-
Other fire barriers	Required Wall Assembly Rating	EXISTING
	Minimum Fire Door & Fire Shutter Assembly Rating	-
	Door Vision Panel Size	-
	Fire-Rated Glazing Marking Door Vision Panel	-
Exterior Walls	Required Wall Assembly Rating	EXISTING
	Minimum Fire Door & Fire Shutter Assembly Rating	-
	Door Vision Panel Size	-
	Fire-Rated Glazing Marking Door Vision Panel	-

FLOOD HAZARD INFORMATION AND FLOOD LOADS
PROJECT IS NOT IN A FLOOD ZONE

STRUCTURAL DESIGN INFORMATION, BUILDING
EXISTING BUILDING UNCHANGED

SOILS & SITE
EXISTING BUILDING UNCHANGED

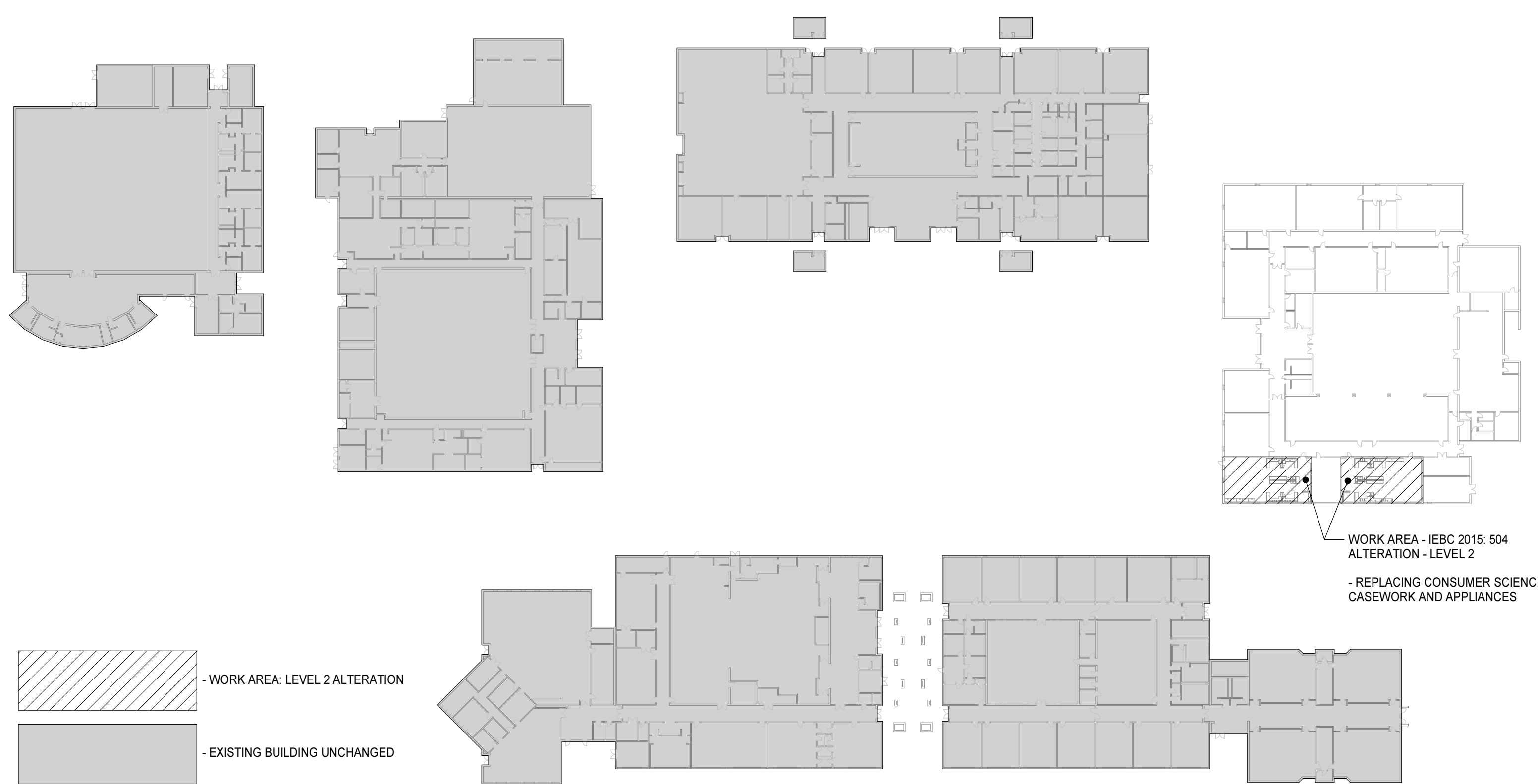
MECHANICAL INFORMATION
REFER TO M0.1 FOR PLUMBING F3 FORM INFORMATION

ELECTRICAL INFORMATION
REFER TO E0.1 FOR PLUMBING F3 FORM INFORMATION

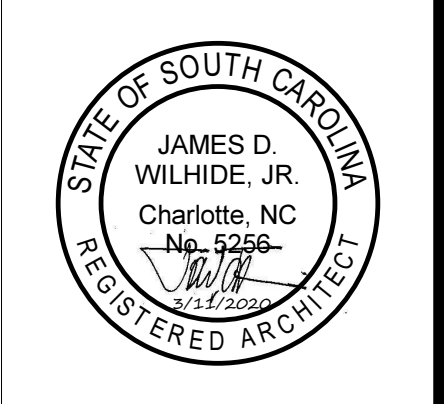
PLUMBING INFORMATION
REFER TO P0.1 FOR PLUMBING F3 FORM INFORMATION

CODE REQUIRED BUILDING FIXTURE COUNTS - EXISTING BUILDING

OCCUPANCY	WATER CLOSETS				LAVATORIES		DRINKING FOUNTAINS		UNISEX TOILET		SERVICE SINKS	
	MALE		FEMALE		MALE & FEMALE							
	FACTOR	REQUIRED	PROVIDED	UNITS PROVIDED	FACTOR	REQUIRED	PROVIDED	FACTOR	REQUIRED	PROVIDED	REQUIRED	PROVIDED
EXISTING FIXTURE COUNT TO REMAIN UNCHANGED, ONE ADDITIONAL FIXTURE ADDED	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-



LIFE SAFETY - NORTHWESTERN



PROJECT NO: 593139
DATE: March 11, 2020
REVISIONS
DATE DESCRIPTION

FORM F3 BUILDING CODE ANALYSIS FORM

PROJECT	ROCK HILL HIGH SCHOOL - CONSUMER SCIENCE RENOVATION
DISTRICT	ROCK HILL SCHOOLS, DISTRICT THREE
CODE & EDITION	EXISTING BUILDING INTERNATIONAL EXISTING BUILDING CODE - 2015
GUIDE EDITION	2015

BASIC BUILDING CODE INFORMATION

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING
CONSTRUCTION CLASSIFICATION TYPE (IBC 602)	EXISTING
OCCUPANCY GROUP (IBC 302)	EXISTING
OCCUPANCY GROUP (IBC 503) (Most Restrictive)	EXISTING
INCIDENTAL USE AREA SERRATION (IBC 508.2.5)	EXISTING
ACCESSORY OCCUPANCY (IBC 508.2)	EXISTING
MIXED OCCUPANCY (IBC 508)	EXISTING
NON SEPERATED (IBC 508.3)	EXISTING
SEPERATED (IBC 508.4) (IBC 506.5)	EXISTING
OTHER FIRE PROTECTION SYSTEMS, DEVICES OR FEATURES (IBC 414.1.3)	EXISTING

BUILDING AREA

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING	
AREA LIMIT BY PER STORY (IBC TABLE 506)	EXISTING	
MAXIMUM AREA MODIFICATION PER STORY	-	
MAXIMUM AREA PER STORY	EXISTING	
TOTAL ALLOWED AREA OF BUILDING	STORY 1	EXISTING
	STORY 2	-
	STORY 3	-
	TOTAL ALLOWED	EXISTING
AREA AS DESIGNED PER STORY	STORY 1	EXISTING
		-
TOTAL DESIGNED AREA OF BUILDING	EXISTING	
OPEN PERIMETER WAS NOT USED FOR CALCULATING THE ALLOWED AREA LISTED ABOVE		

BUILDING HEIGHT

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING	
HEIGHT	DESIGNED ALLOWED	
ALLOWABLE BUILDING HEIGHT AND STORIES (IBC TABLE 504.3 & 504.4)	IN FEET	EXISTING EXISTING
	IN STORIES	EXISTING EXISTING

BUILDING DESIGN OCCUPANT LOAD

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING
CONCESSIONS	EXISTING
TOTALS	EXISTING

GENERAL FIRE PROTECTION REQUIREMENTS

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING
Fireblocking Required (IBC Section 717)	EXISTING
Draftstopping Required (IBC Section 717)	EXISTING
Smoke Control System Required (IBC Section 909)	EXISTING
Smoke Barriers Required (IBC Sections 407 and 408)	EXISTING
Smoke Partitions Required (IBC Section 407)	EXISTING
Fire Partition Required (IBC Section 420)	EXISTING
Fire Barrier Required (IBC Section 707)	EXISTING
<b>ALARM &amp; DETECTION</b>	
Fire Alarm System Required (IFC Section 907)	EXISTING
Emergency Alarm System Required (IFC 908)	EXISTING
<b>SUPPRESSION</b>	
Standpipes Required (IFC 905)	EXISTING
Sprinklered Required (IFC 903)	EXISTING
Sprinklered Provided	EXISTING
Portable extinguishers required (IFC 906)	EXISTING
Other suppression systems required (IFC 904)	EXISTING
Smoke & heat vents required (IFC 910)	EXISTING

GENERAL FIRE PROTECTION REQUIREMENTS

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING
<b>AREA OF REFUGE</b>	
Separation required (IBC 1007.6.2)	EXISTING
Two-way communication provided (IBC 1007.6.3)	EXISTING
Instruction provided (IBC 1007.6.4)	EXISTING
<b>EXTERIOR AREA FOR ASSISTED RESCUE</b>	
Separation required (IBC 1007.8)	EXISTING
Identification provided (IBC 1007.8.3)	EXISTING

DESIGNATED AREAS OF BUILDING	EXISTING BUILDING	
STRUCTURAL FRAME (IBC TABLE 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Bearing Walls, Exterior (IBC Table 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Bearing Walls, Interior (IBC Table 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Nonbearing Walls & Partitions, (IBC Table 601 & 602) Exterior	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Nonbearing Walls & Partitions (IBC Table 601 & 602) Interior & Exterior	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Floor Construction including supporting beams & joists (IBC Table 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Roof Construction including supporting beams & joists (IBC Table 601)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Fire Walls (IBC Section 706)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Fire Barriers (IBC Section 707)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Shaft Enclosures (IBC Section 708)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-
Fire Partitions (IBC Section 709)	As Required, Hrs	EXISTING
	As Designed, Hrs	-
	Testing Agency & Design No.(UL, FM, etc)	-
	Wall/Partition Key Code	-

OPENING FIRE PROTECTION ASSEMBLIES, RATINGS, AND MARKINGS (IBC TABLE 716.5)

Fire walls and fire barriers having a required fire-resistance rating greater than 1 hour	Required Wall Assembly Rating	EXISTING
	Minimum Fire Door & Fire Shutter Assembly Rating	-
	Door Vision Panel Size	-
	Fire-Rated Glazing Marking Door Vision Panel	-
	Minimum Sidelight/Transom Assembly Rating	Fire Protection
	Fire Resistance	-
Fire barriers having a required fire-resistance rating of 1 hour	Required Wall Assembly Rating	EXISTING
	Minimum Fire Door & Fire Shutter Assembly Rating	-
	Door Vision Panel Size	-
	Fire-Rated Glazing Marking Door Vision Panel	-
	Minimum Sidelight/Transom Assembly Rating	Fire Protection
	Fire Resistance	-
Other fire barriers	Required Wall Assembly Rating	EXISTING
	Minimum Fire Door & Fire Shutter Assembly Rating	-
	Door Vision Panel Size	-
	Fire-Rated Glazing Marking Door Vision Panel	-
	Minimum Sidelight/Transom Assembly Rating	Fire Protection
	Fire Resistance	-
Exterior Walls	Required Wall Assembly Rating	EXISTING
	Minimum Fire Door & Fire Shutter Assembly Rating	-
	Door Vision Panel Size	-
	Fire-Rated Glazing Marking Door Vision Panel	-
	Minimum Sidelight/Transom Assembly Rating	Fire Protection
	Fire Resistance	-

FLOOD HAZARD INFORMATION AND FLOOD LOADS
PROJECT IS NOT IN A FLOOD ZONE

STRUCTURAL DESIGN INFORMATION, BUILDING
EXISTING BUILDING UNCHANGED

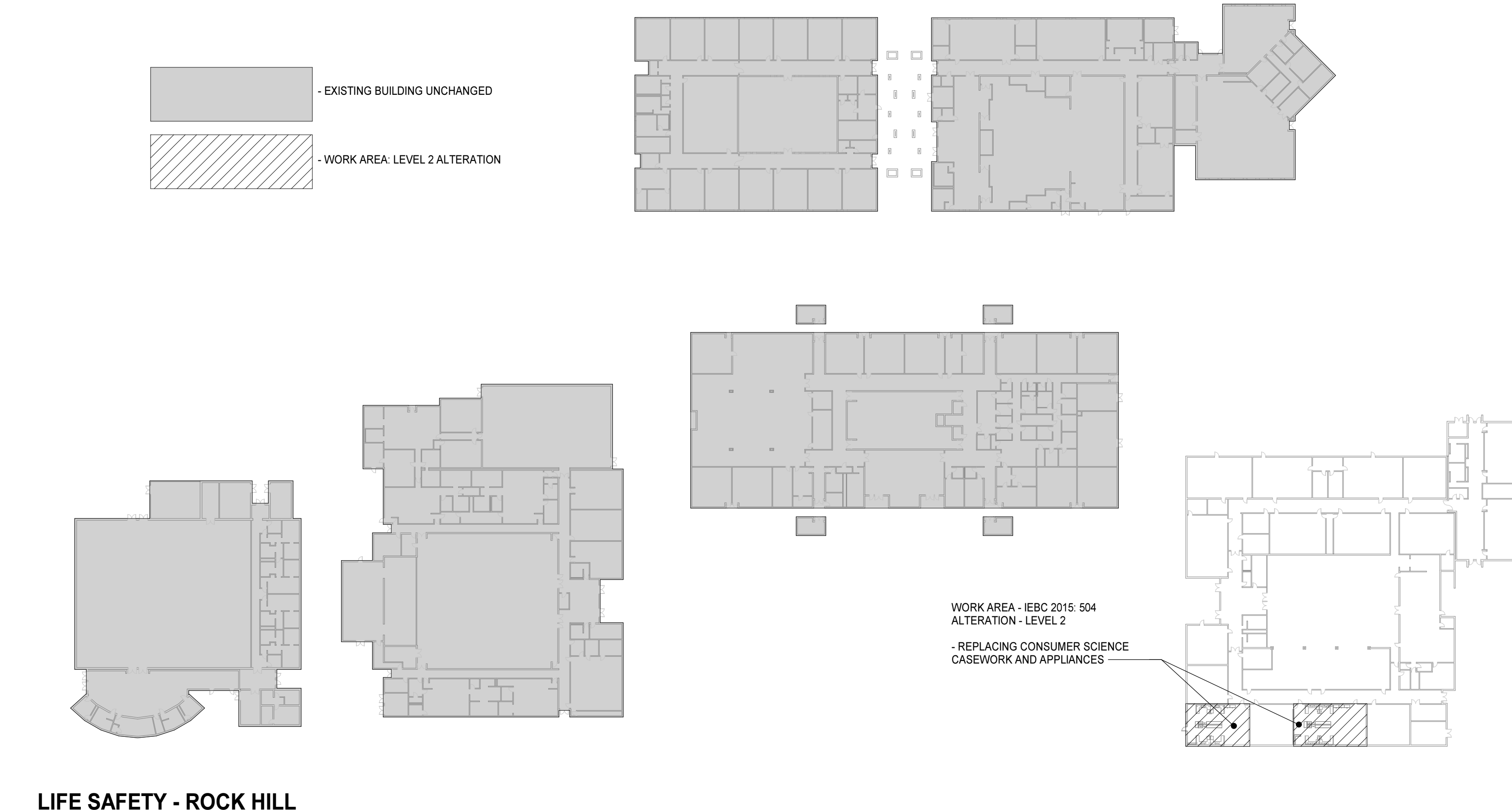
SOILS & SITE
EXISTING BUILDING UNCHANGED

MECHANICAL INFORMATION
REFER TO M0.1 FOR PLUMBING F3 FORM INFORMATION

ELECTRICAL INFORMATION
REFER TO E0.1 FOR PLUMBING F3 FORM INFORMATION

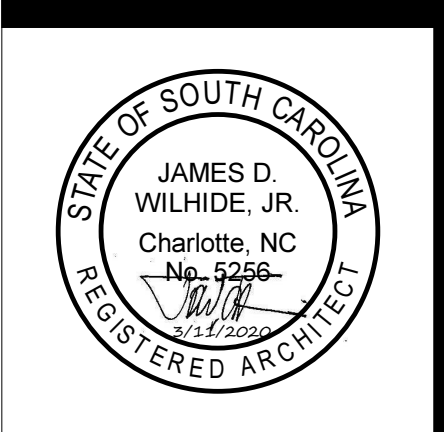
PLUMBING INFORMATION
REFER TO P0.1 FOR PLUMBING F3 FORM INFORMATION

OCCUPANCY	WATER CLOSETS						LAVATORIES		DRINKING FOUNTAINS		UNISEX TOILET	SERVICE SINKS
	MALE			FEMALE			MALE & FEMALE		REQUIRED	PROVIDED	REQUIRED	PROVIDED
	FACTOR	REQUIRED	PROVIDED	FACTOR	REQUIRED	PROVIDED	FACTOR	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
EXISTING FIXTURE COUNT TO REMAIN UNCHANGED, ONE ADDITIONAL FIXTURE ADDED	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-



LIFE SAFETY - ROCK HILL

MOSELEY ARCHITECTS



Rock Hill & Northwestern High Consumer Sciences Renovation

ROCK HILL SCHOOLS, DISTRICT THREE

Rock Hill, South Carolina

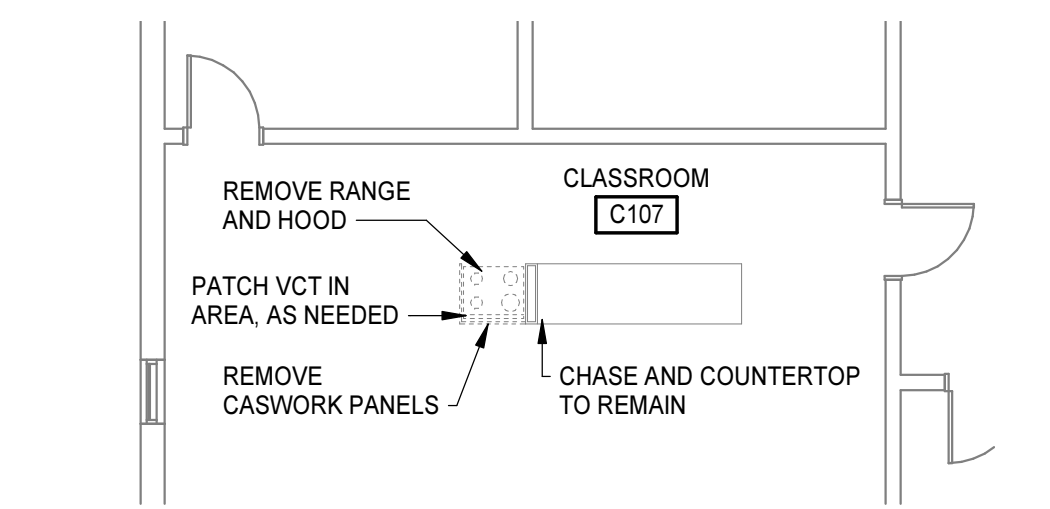
PROJECT NO:	593139
DATE:	March 11, 2020
REVISIONS	
DATE	DESCRIPTION

CODE SUMMARY - ROCK HILL HIGH

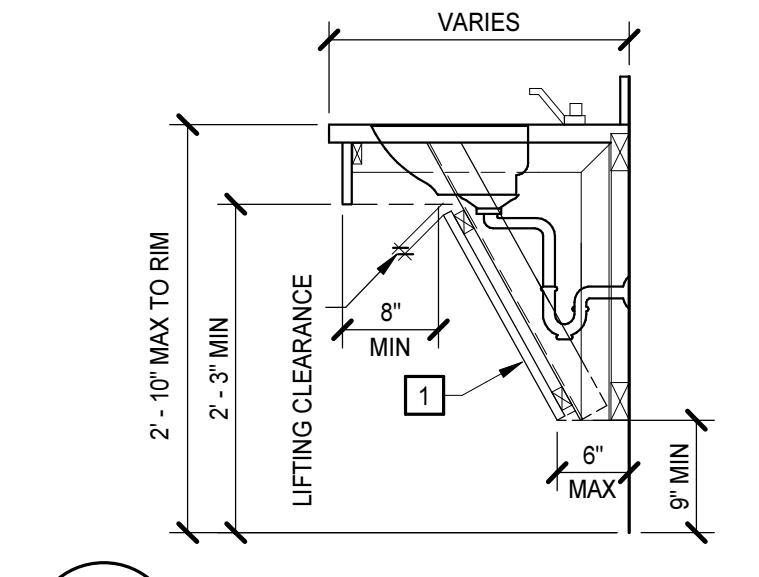
LS1.2



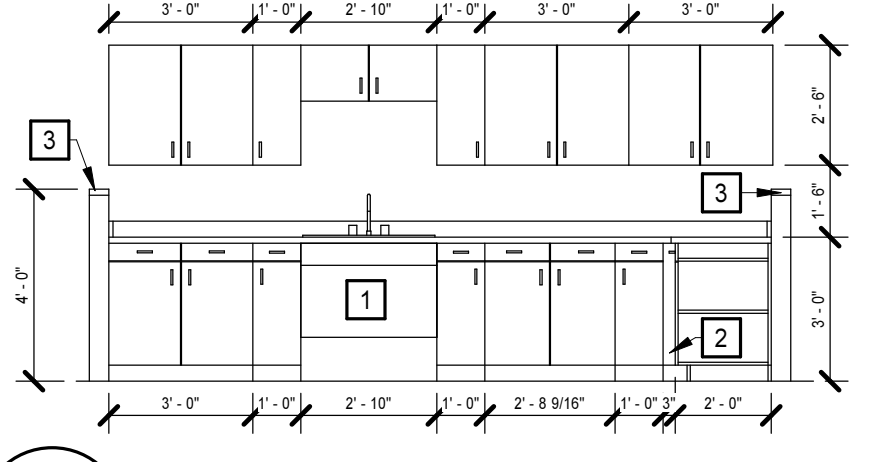
FINISH SCHEDULE - NORTHWESTERN											
NUMBER	CLASSROOM	NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	WAINSCOT	CEILING	NOTES
C103	CLASSROOM		VT	RB	EPX PT	EPX PT	EPX PT	EPX PT	-	ACP	
C104	CLASSROOM		VT	RB	EPX PT	EPX PT	EPX PT	EPX PT	-	ACP	
C107	CLASSROOM		-	-	-	-	-	-	-	-	* PATCH VCT AS NEEDED



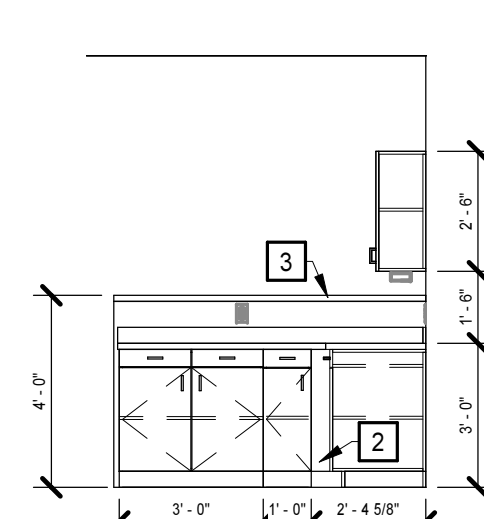
**15 FLOOR PLAN - NORTHWESTERN C107**  
1/8" = 1'-0"



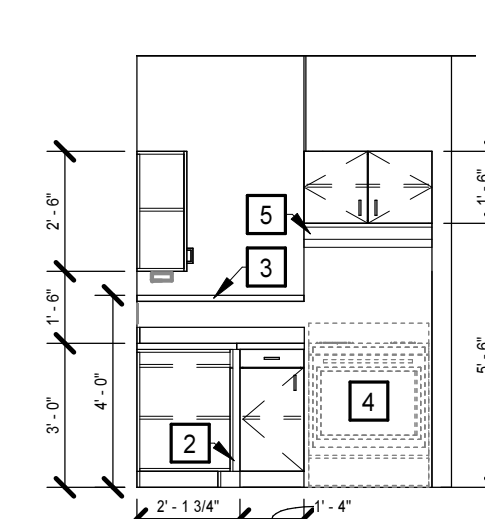
**14 SECTION @ SINK PANEL**  
3/4" = 1'-0"



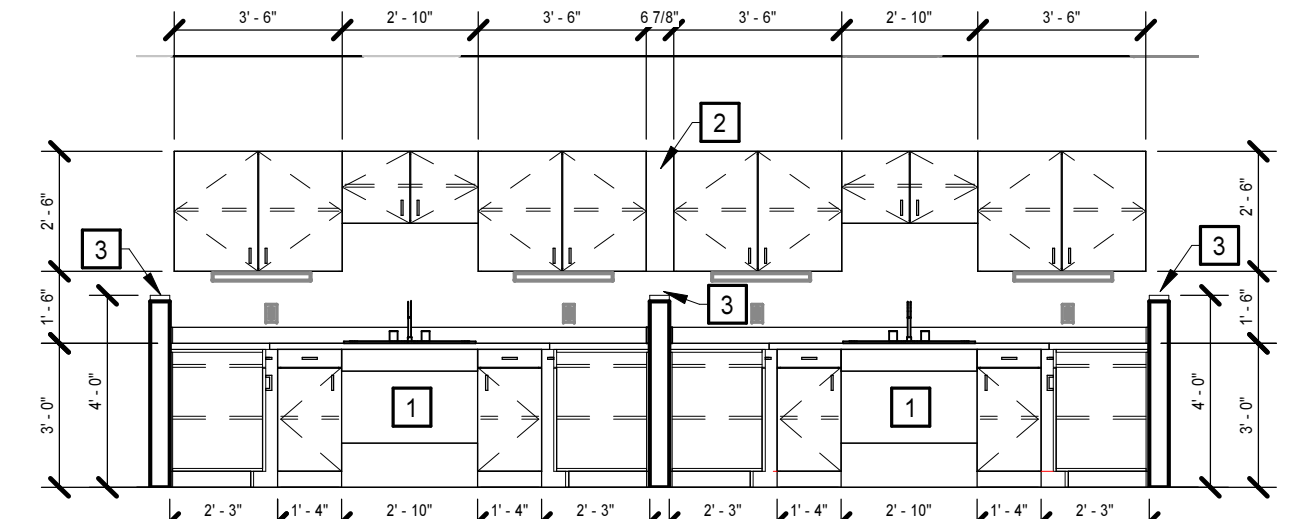
**13 ELEVATION**  
1/4" = 1'-0"



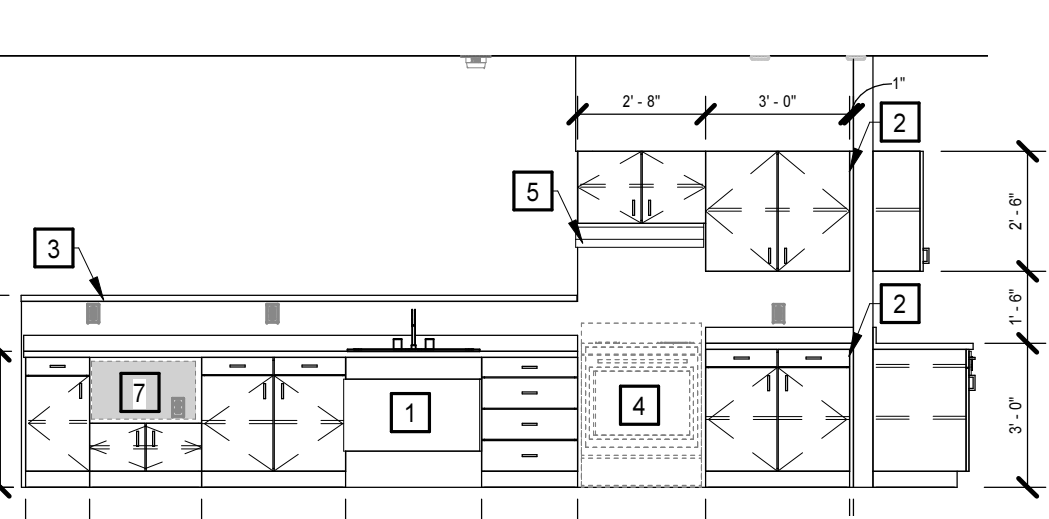
**11 ELEVATION**  
1/4" = 1'-0"



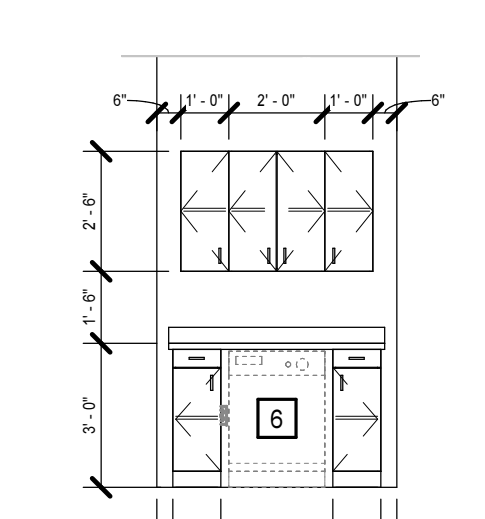
**12 ELEVATION**  
1/4" = 1'-0"



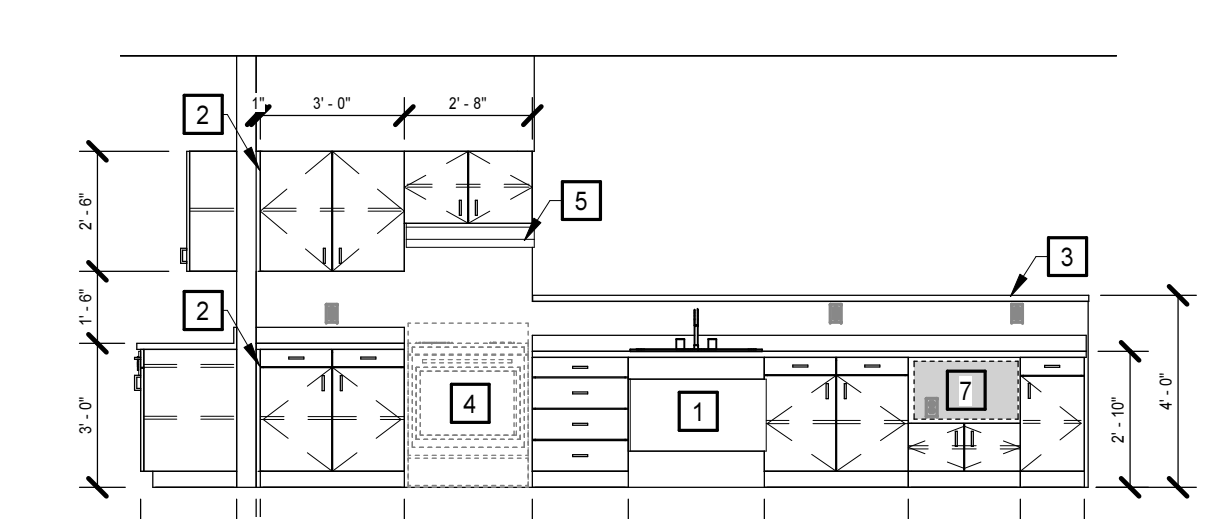
**10 ELEVATION**  
1/4" = 1'-0"



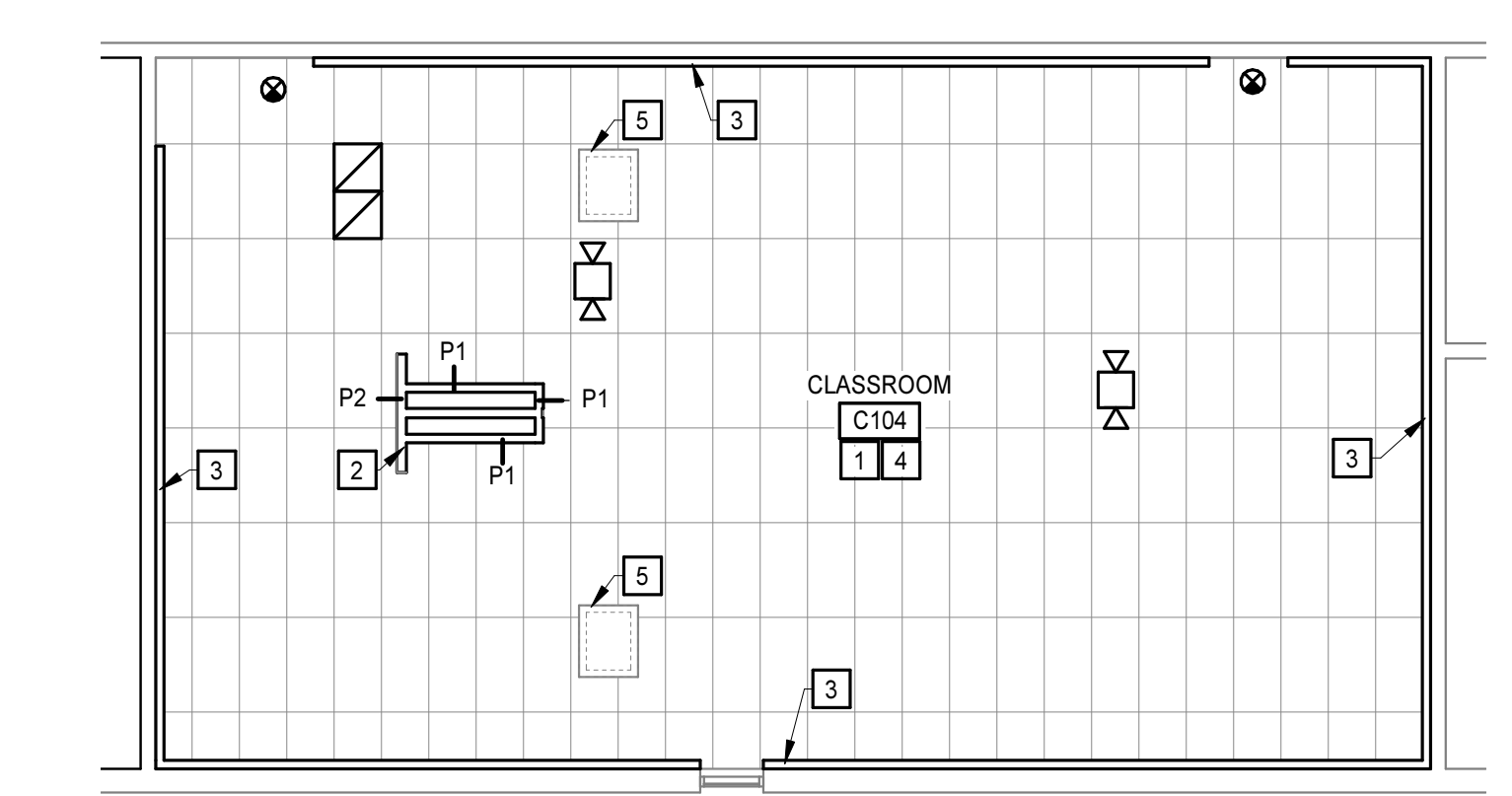
**9 ELEVATION**  
1/4" = 1'-0"



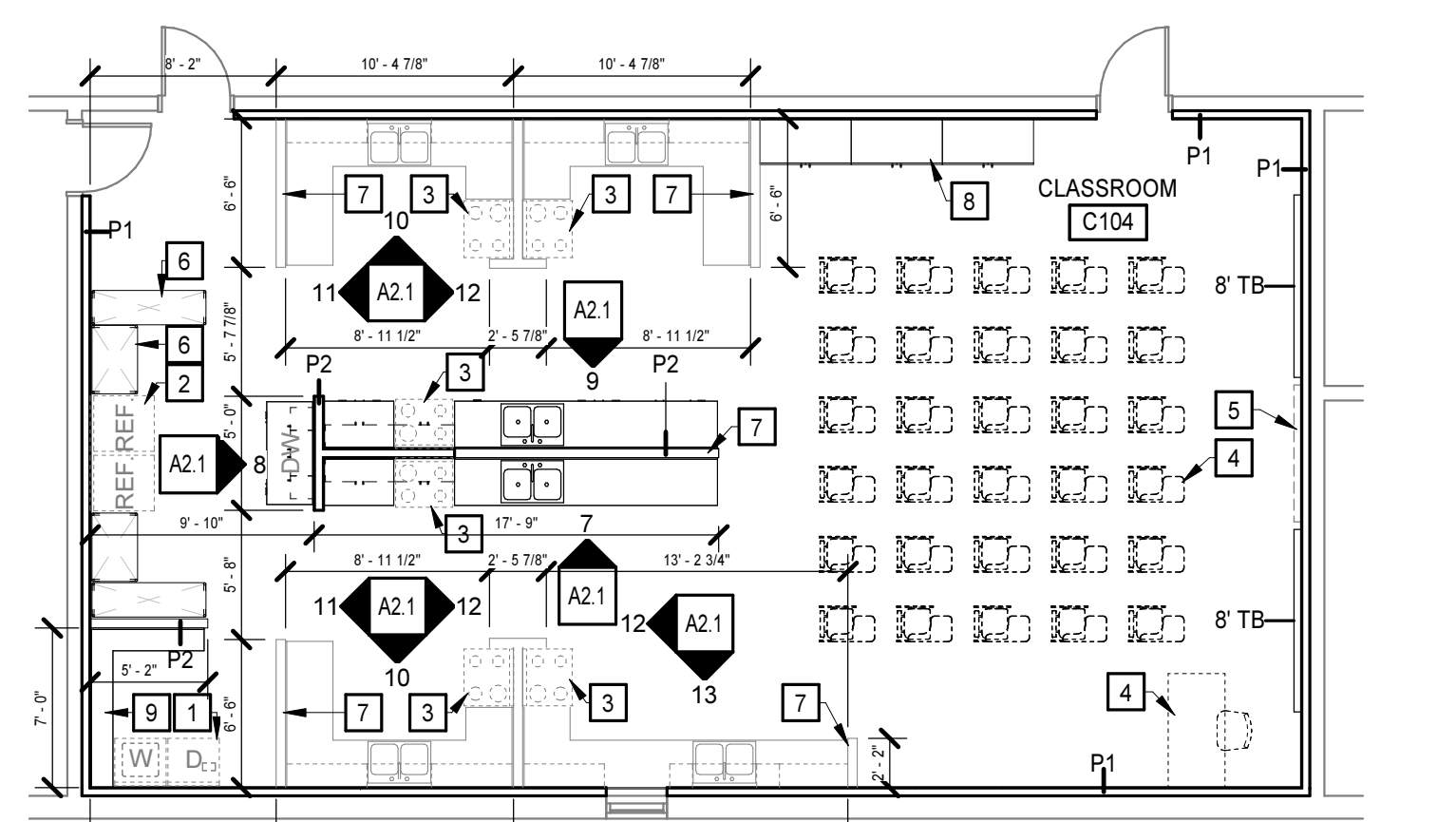
**8 ELEVATION**  
1/4" = 1'-0"



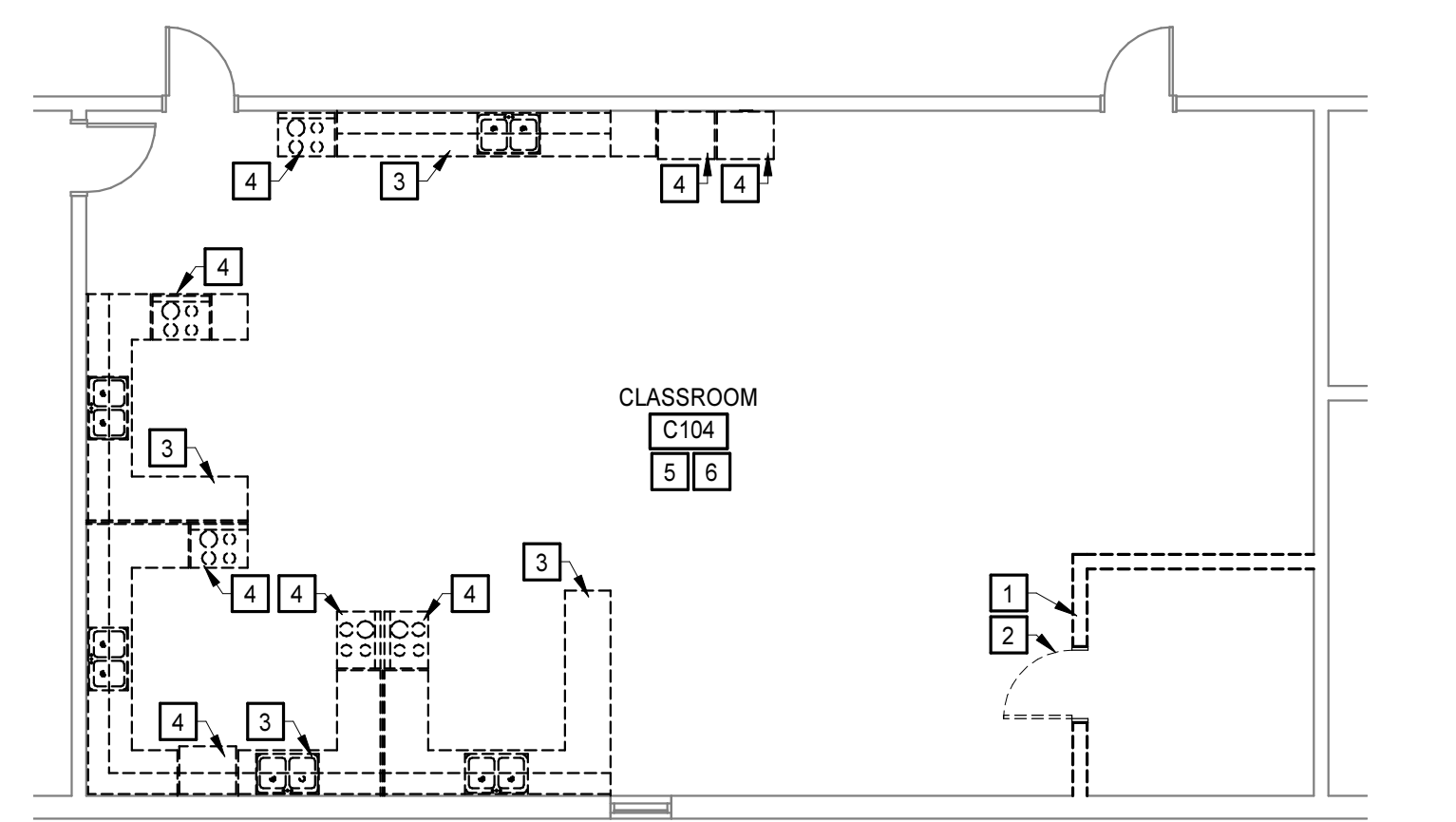
**7 ELEVATION**  
1/4" = 1'-0"



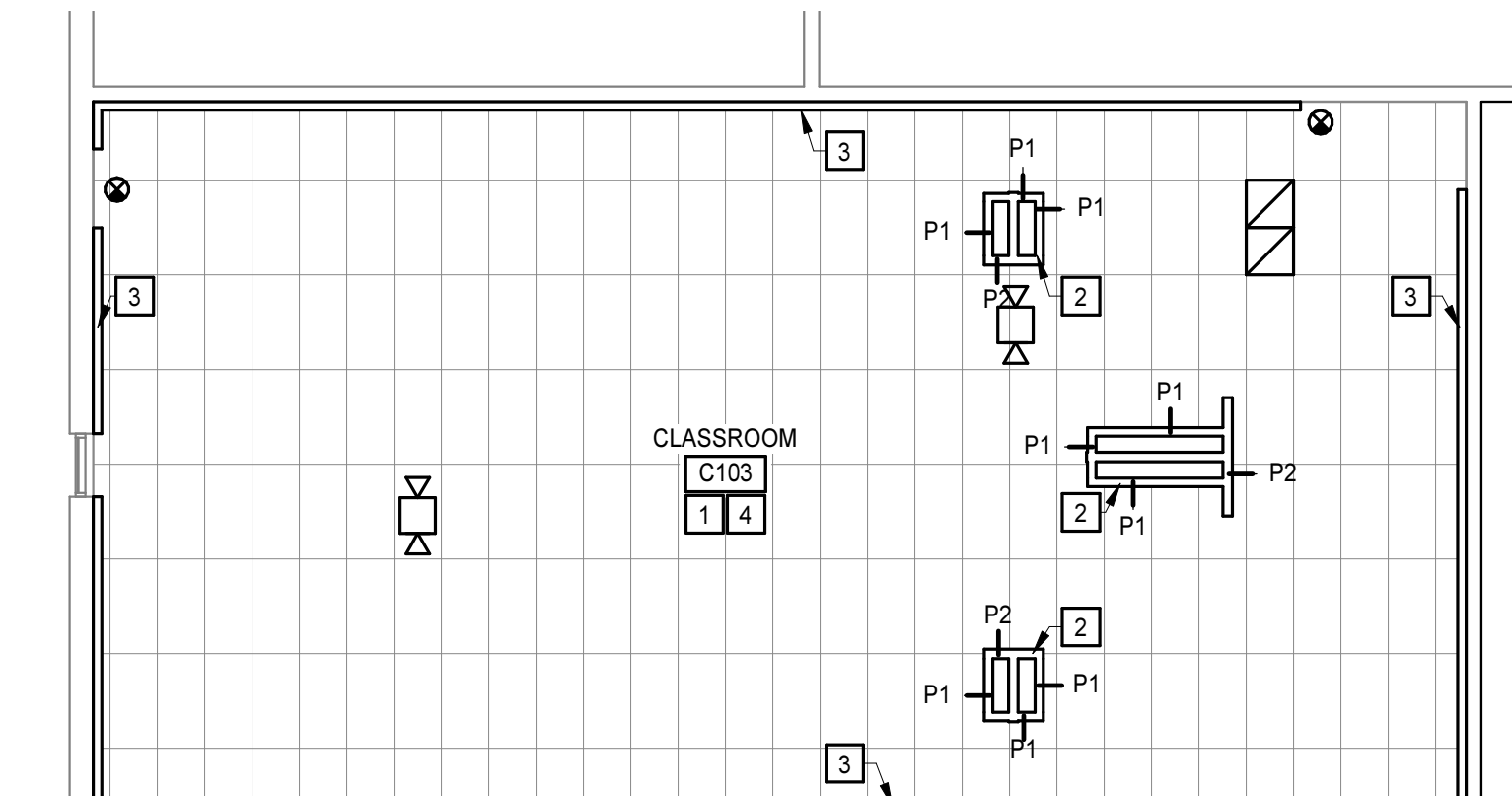
**6 RCP - NORTHWESTERN C104**  
1/8" = 1'-0"



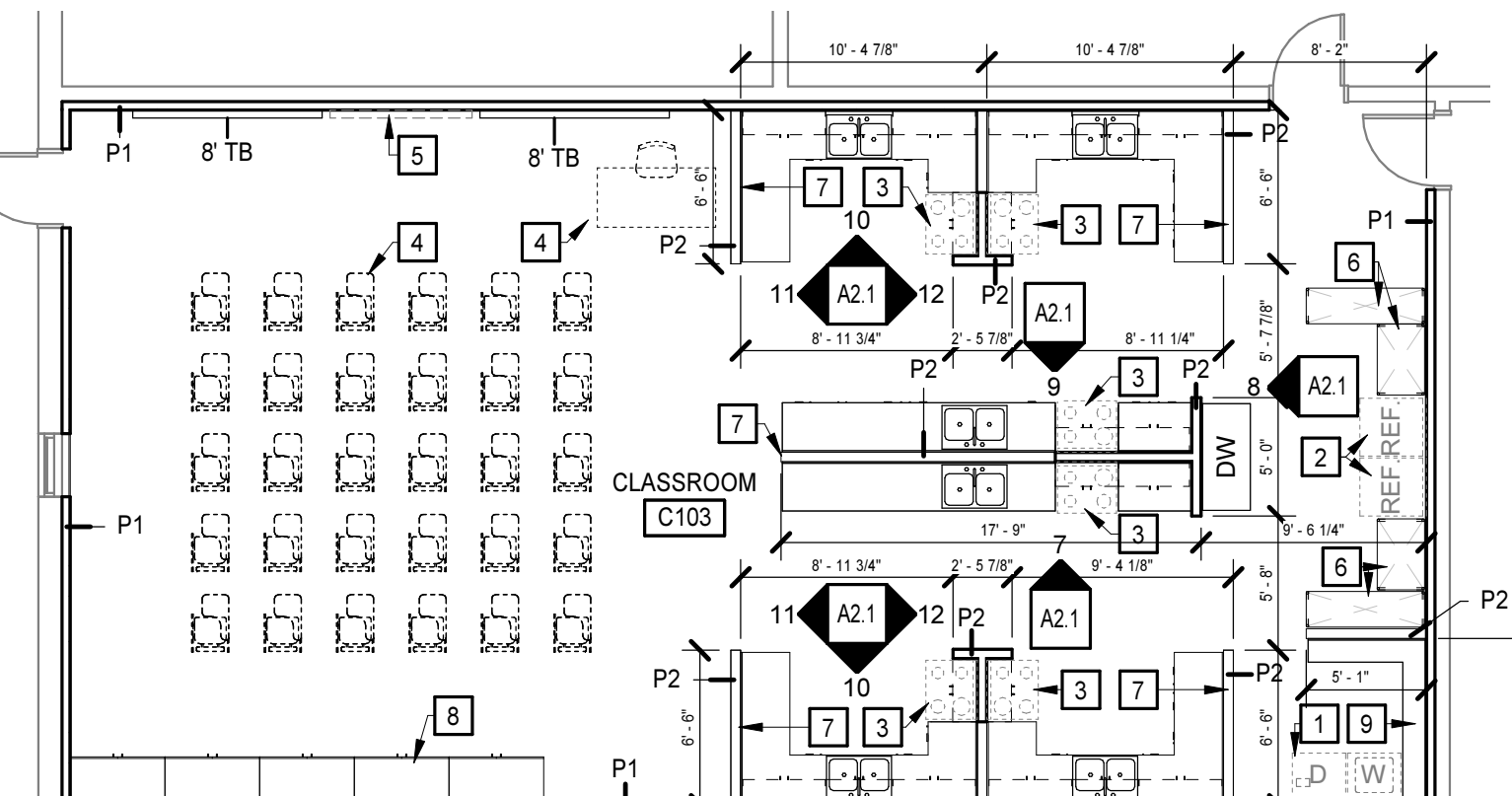
**4 FLOOR PLAN - NORTHWESTERN C104**  
1/8" = 1'-0"



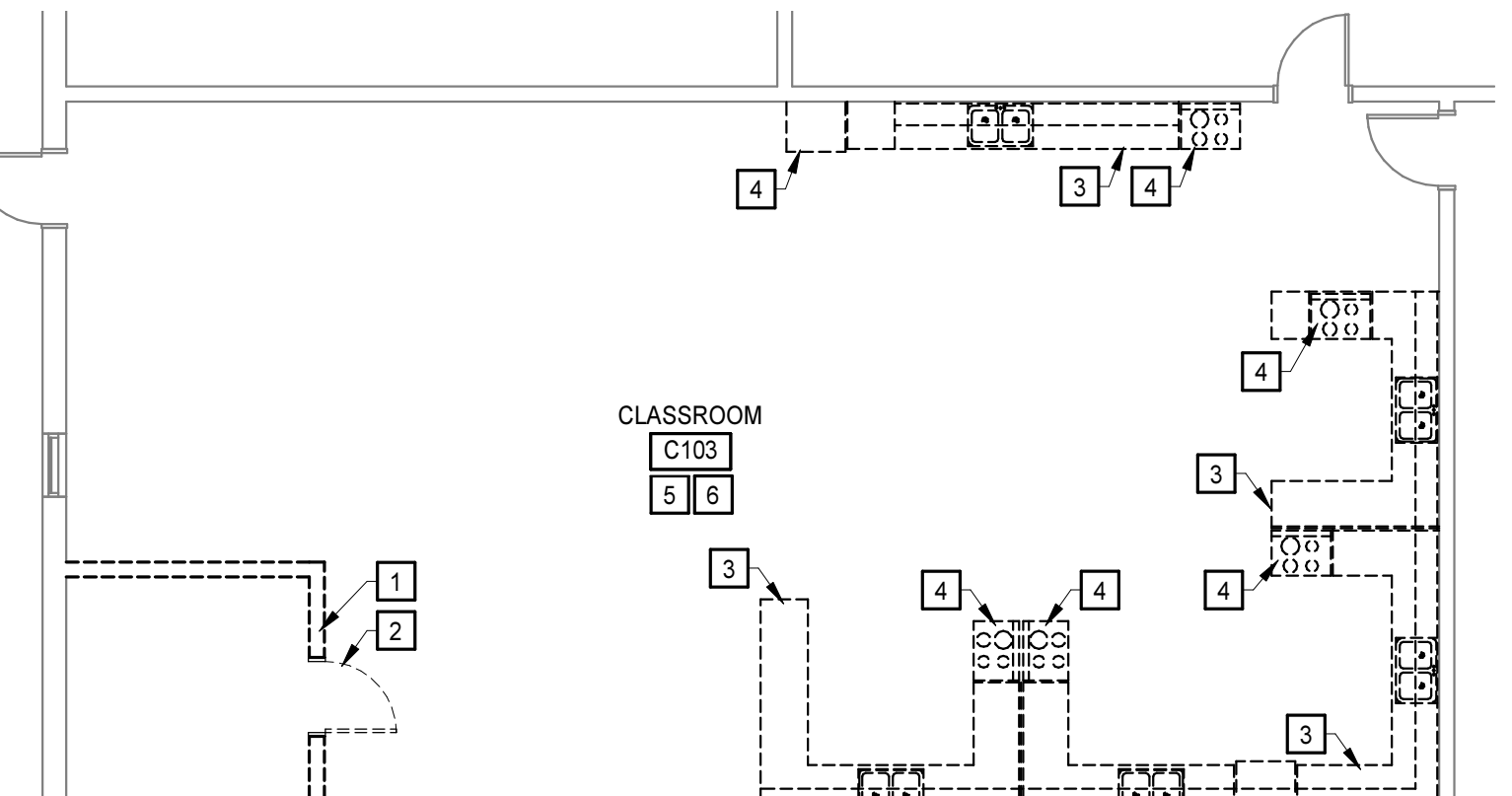
**2 DEMOLITION PLAN - NORTHWESTERN C104**  
1/8" = 1'-0"



**5 RCP - NORTHWESTERN C103**  
1/8" = 1'-0"



**3 FLOOR PLAN - NORTHWESTERN C103**  
1/8" = 1'-0"



**1 DEMOLITION PLAN - NORTHWESTERN C103**  
1/8" = 1'-0"

**FINISH SCHEDULE GENERAL NOTES**

- FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.
- PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.
- CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.
- DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.
- BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS AND OTHER DOCUMENTS FOR EXTENT.
- PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

**CASEWORK GENERAL NOTES**

- UNLESS INDICATED OTHERWISE, ALL COUNTERTOPS:
  - 2-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
  - 2-1" DEEP
  - HIGH PRESSURE LAMINATE
  - BACKSPASHES: 4" HIGH AT ALL SIDES AND BACK
- UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):
  - 2-0" DEEP NOMINAL
  - TOE KICKS: 4" HIGH AND 3" DEEP
  - SINK LOCATIONS: 3-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER FREE ACCESS
- UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):
  - 1-0" DEEP NOMINAL
  - 2-6" HIGH
  - TOP AT 7'-0" AFF
- BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.
- ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.
- PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.
- LOCKS: AT ALL TALL CABINETS, UNLESS INDICATED OTHERWISE.

**CASEWORK KEYNOTES**  
APPLIES TO DRAWINGS A2.1 - A2.2  
REPRESENTED BY [n]

- ACCESSIBLE REMOVABLE PLAM SINK PANEL - REFER TO DETAIL 14/A2.1
- FILLER PANEL
- HIGH PRESSURE LAMINATE LOW WALL CAP
- RANGE - NIC
- DISHWASHER - NIC
- MICROWAVE - NIC

**REFLECTED CEILING PLAN LEGEND**  
APPLIES TO DRAWINGS A3.1.n - A3.1.n

REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

SPACE NUMBER  
[n]-[n]

CEILING HEIGHT, AFF UNO

INTERIOR APPLICATIONS: GYPSUM BOARD CEILING

EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING

2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID

1HR RATED HORIZONTAL SHAFT WALL ABOVE ACP CEILING

1'-0" x 1'-0" ACT ON 3/4" FRIT PLYWOOD ON CFSF-S SUSPENDED FRAMING

ACCESS PANEL

WITH OPENING

WITH OPENING

WITH OPENING

WITH OPENING

WITH OPENING

EXTERIOR WALL

INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK

INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY

INTERIOR WALL/PARTITION 4' MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES

INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING

EXISTING TO REMAIN. VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

**REFLECTED CEILING PLAN GENERAL NOTES**

- ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.
- DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.
- CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

**DEMOLITION PLAN LEGEND**  
APPLIES TO DRAWINGS A2.1 - A2.2

EXISTING PARTITION WALL/ ITEM TO REMAIN

REMOVE EXISTING PARTITION WALL/ITEM

REMOVE EXISTING WINDOW ASSEMBLY AND FRAMING, INCLUDING ANCHORS

REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).

REMOVE EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DEMOLITION PLAN FOR ADDITIONAL INFORMATION.

REMOVE ALL EXISTING FINISH FLOORING AND SUSPENDED CEILINGS IN AREA

**DEMOLITION PLAN GENERAL NOTES**

- THE EXISTING CONDITIONS INFORMATION SHOWN AND/OR INDICATED ON THE DRAWINGS WAS OBTAINED FROM EXISTING DRAWINGS, (WHEN AVAILABLE), FIELD REVIEW, FIELD MEASUREMENTS, AND/OR OTHER AVAILABLE DOCUMENTATION AND/OR OBSERVATION BY OTHERS. NOT ALL EXISTING CONDITIONS AND/OR ACTUAL CONSTRUCTION MAY BE INDICATED AND/OR KNOWN.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITION, CONNECTIONS, LOCATION, SIZES, ETC. IN THE FIELD AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING DEMOLITION WORK.
- CONTRACTOR TO COORDINATE EXTENTS OF ALL DEMOLITION WORK WITH ALL NEW WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING DEMOLITION WORK.
- CONTRACTOR TO COORDINATE A SCHEDULE TO PROPERLY DE-ENERGIZE, SHUT OFF & CAP ALL UTILITIES (ELECTRICAL, GAS, WATER, SEWER, TELEPHONE, ECT.) BACK TO THE EXISTING EXTERIOR WALLS, ROOF DECK, AND/OR SLAB OR GRADE. COORDINATE W/MEP DEMOLITION DWGS & LOCAL UTILITY COMPANIES.
- CONTRACTOR TO MAINTAIN BUILDING IN A SAFE AND SECURE MANNER AND TO ELIMINATE THE APPEARANCE OF AN ATTRACTIVE NUISANCE. MAINTAIN PHYSICAL BARRIER TO PREVENT BUILDING/SITE ACCESS BY PUBLIC AT A MINIMUM.
- EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
- BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATE FOR REMOVAL, REMOVE AND DISPOSE OF IN A LEGAL MANNER.
- REFER TO MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
- SAW CUT ALL SLAB AND WALL OPENINGS.
- DO NOT REMOVE CODE REQUIRED DOORS AND BUILDING FIRE PROTECTION SIGNALS OR EQUIPMENT, U.N.O. PROTECT AS REQUIRED FOR DURATION OF JOB.

**DEMO PLAN KEYNOTES**  
APPLIES TO DRAWINGS A2.1 - A2.2  
REPRESENTED BY [n]

- REMOVE WALL
- REMOVE DOOR, FRAME AND HARDWARE
- REMOVE CASEWORK ASSEMBLY
- REMOVE AND SALVAGE APPLIANCES. COORDINATE STORAGE WITH OWNER
- PREP AND LEVEL THE FLOOR PER MANUFACTURE SPEC. CLASSROOM FLOOR TO BE REFINISHED WITH VT.
- REMOVE ACOUSTICAL CEILING PANELS, SALVAGE ABOVE CEILING ACOUSTICAL BATT. EXISTING CEILING GRID TO REMAIN. REMOVE GRID AS NEEDED FOR INSTALLATION OF EXHAUST HOODS. DO NOT REMOVE MAIN CEILING GRID RUN. SECONDARY RUNS ONLY.

**FLOOR PLAN GENERAL NOTES**

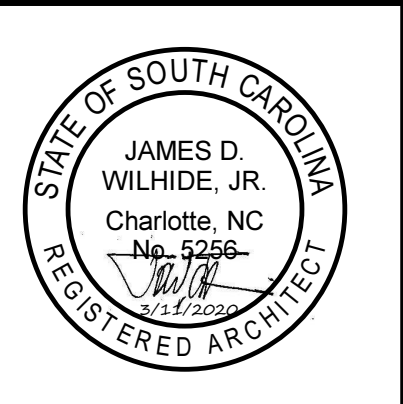
- PROVIDE CONT. SILICONE CAULK AT ALL DOOR FRAMES WHERE WALL AND FRAME MEET BEFORE PAINTING.
- DENOTES THE LIMITS OF FUTURE WORK
- PROVIDE 3625137-68 LIGHT GAUGE METAL STUDS AT 16" OC. STUDS SHALL RUN TO UNDERSIDE OF STRUCTURE ABOVE. ANCHOR EXHAUST HOODS INTO METAL STUDS PER MANUFACTURER'S RECOMMENDATION.

**FLOOR PLAN KEYNOTES**  
APPLIES TO DRAWINGS A2.1 - A2.2  
REPRESENTED BY [n]

- WASHER/DRYER, NIC
- REFRACTOR, NIC
- RANGE, NIC
- CLASSROOM FURNITURE, NIC
- SMART BOARD, NIC
- MOBILE OPEN SHELVING UNIT
- 48" CFSF WALL
- TALL CABINET, LOCKABLE
- 12" DEEP COUNTER TOP WITH BACKSPASH, UNDERCOUNTER SUPPORT BRACKET SPACED 24"

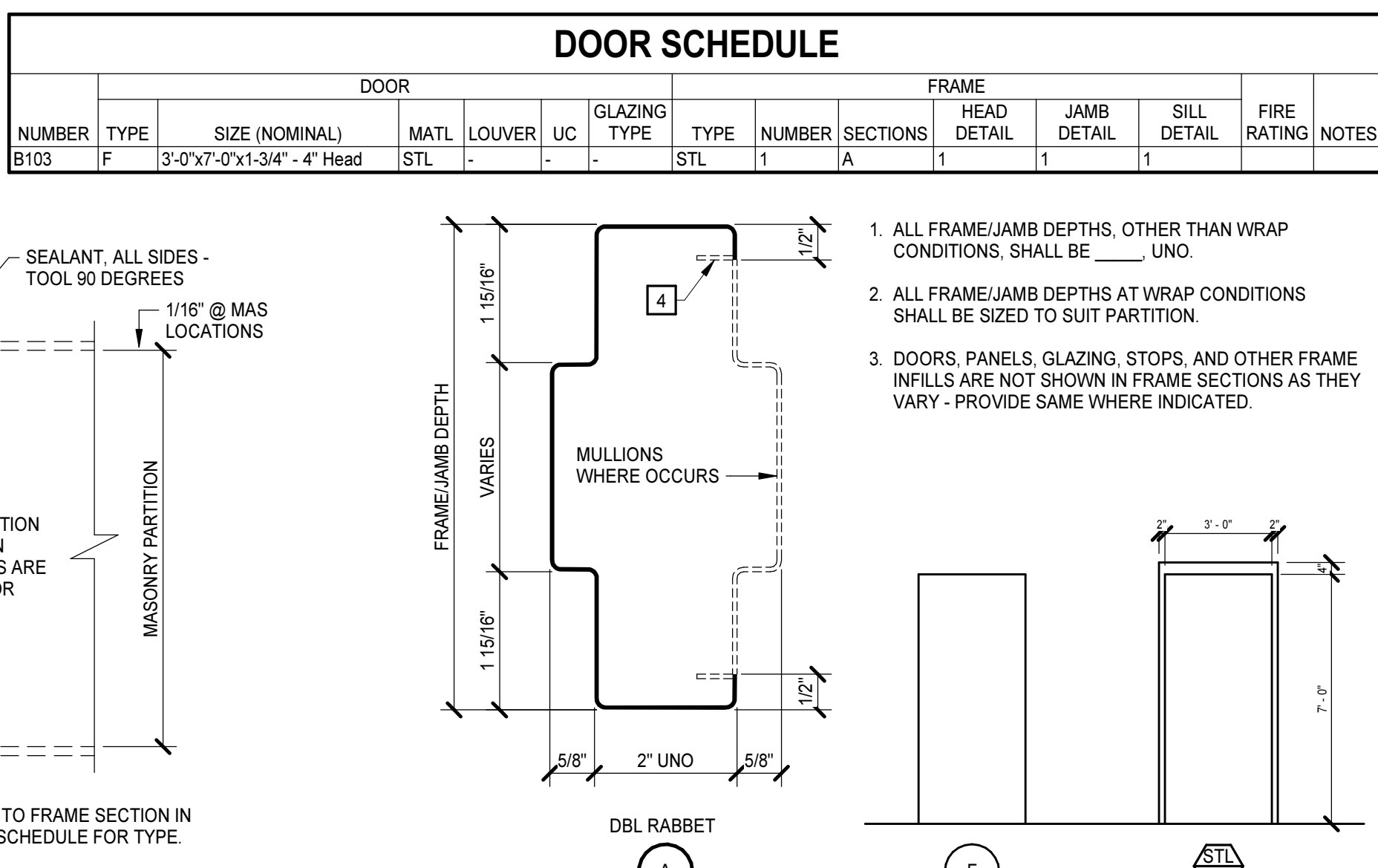
**REFLECTED CEILING PLAN KEYNOTES**  
APPLIES TO DRAWINGS A2.1 - A2.2  
REPRESENTED BY [n]

- PROVIDE CEILING TILE AND GRID MAX
- STUD WALLS AT WORK STATIONS - SHALL RUN TO THE UNDERSIDE OF STRUCTURE ABOVE
- STUD WALLS AT ROOM PERIMETER - SHALL RUN TO BOTTOM OF EXISTING CEILING
- REFER TO ELECTRICAL DRAWINGS FOR LIGHTING RECONFIGURATION
- FUTURE CEILING WORK

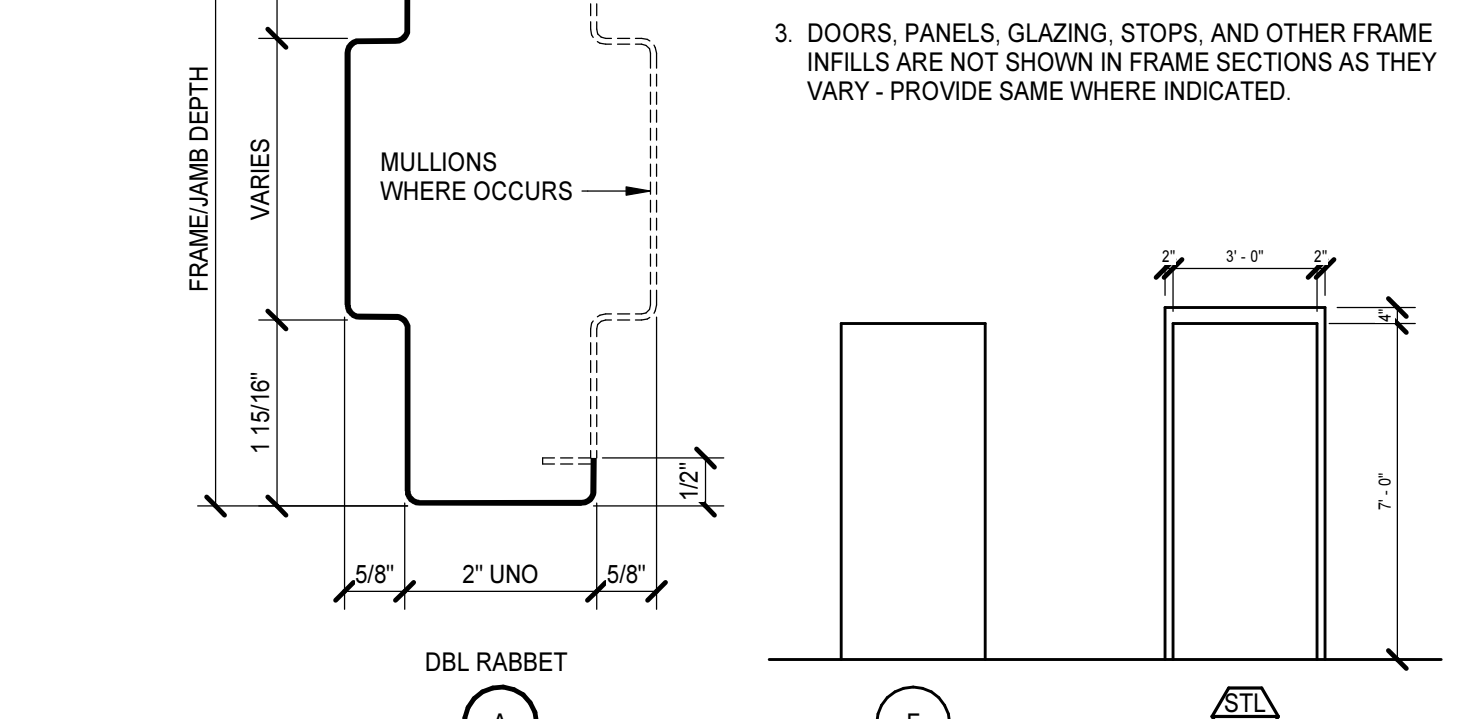
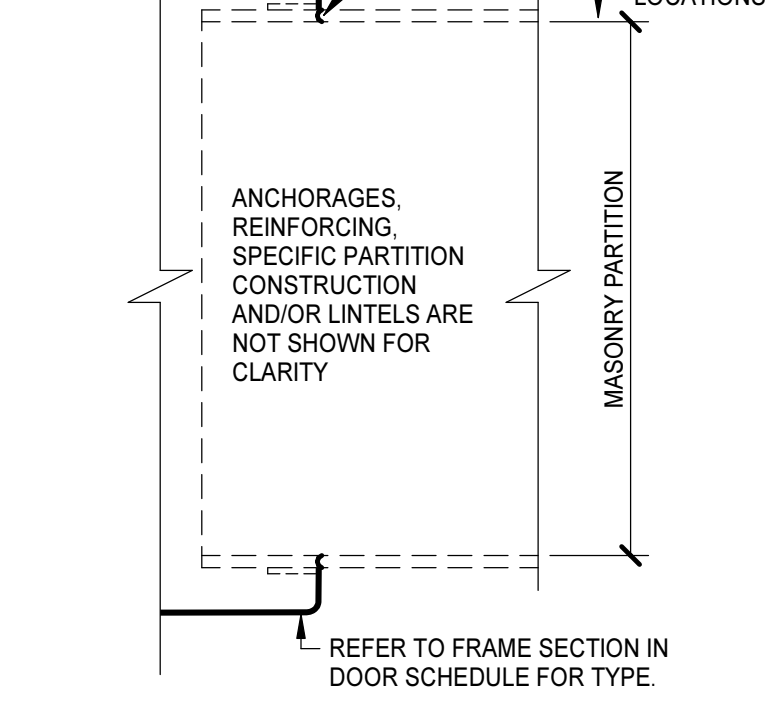
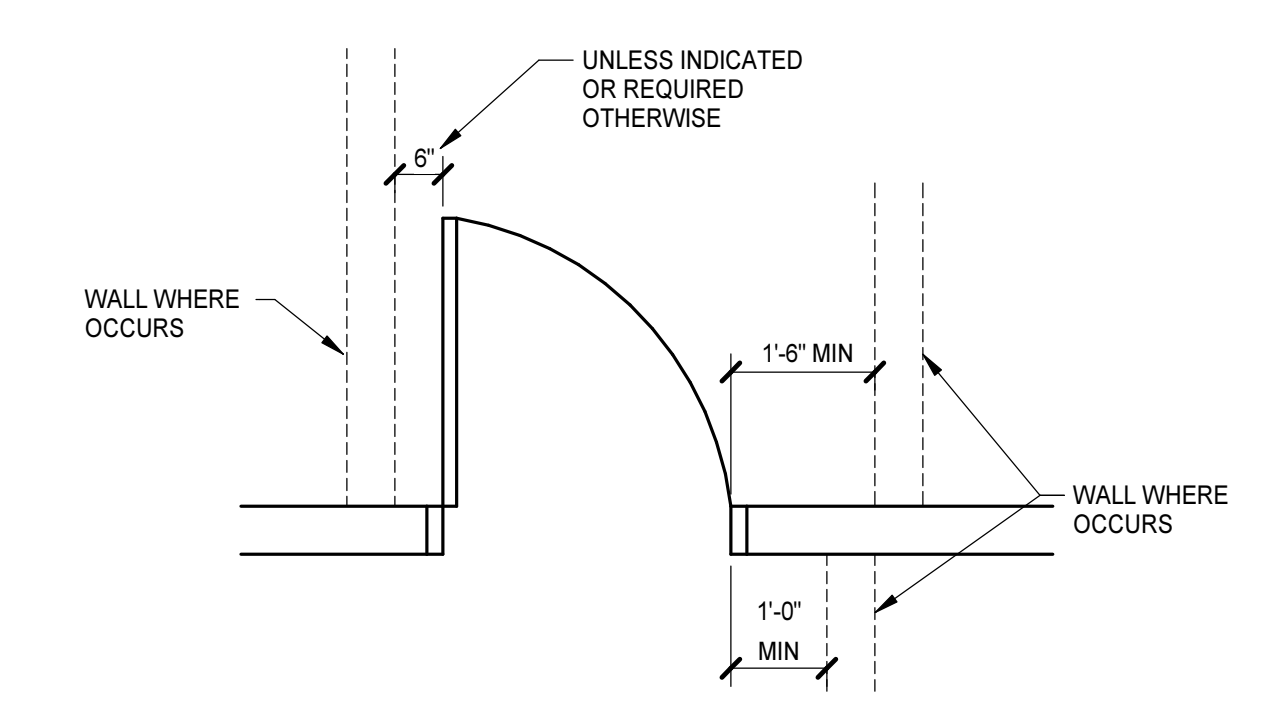
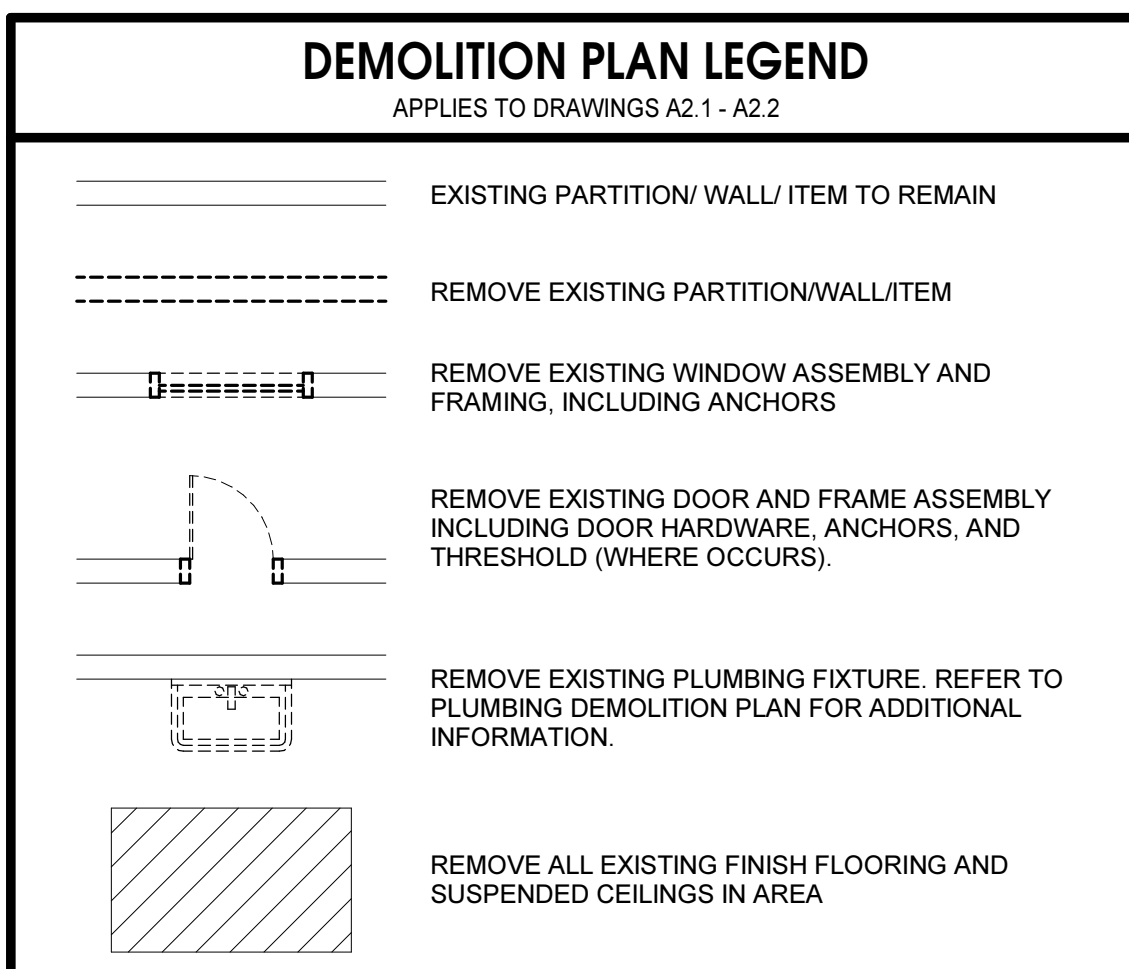
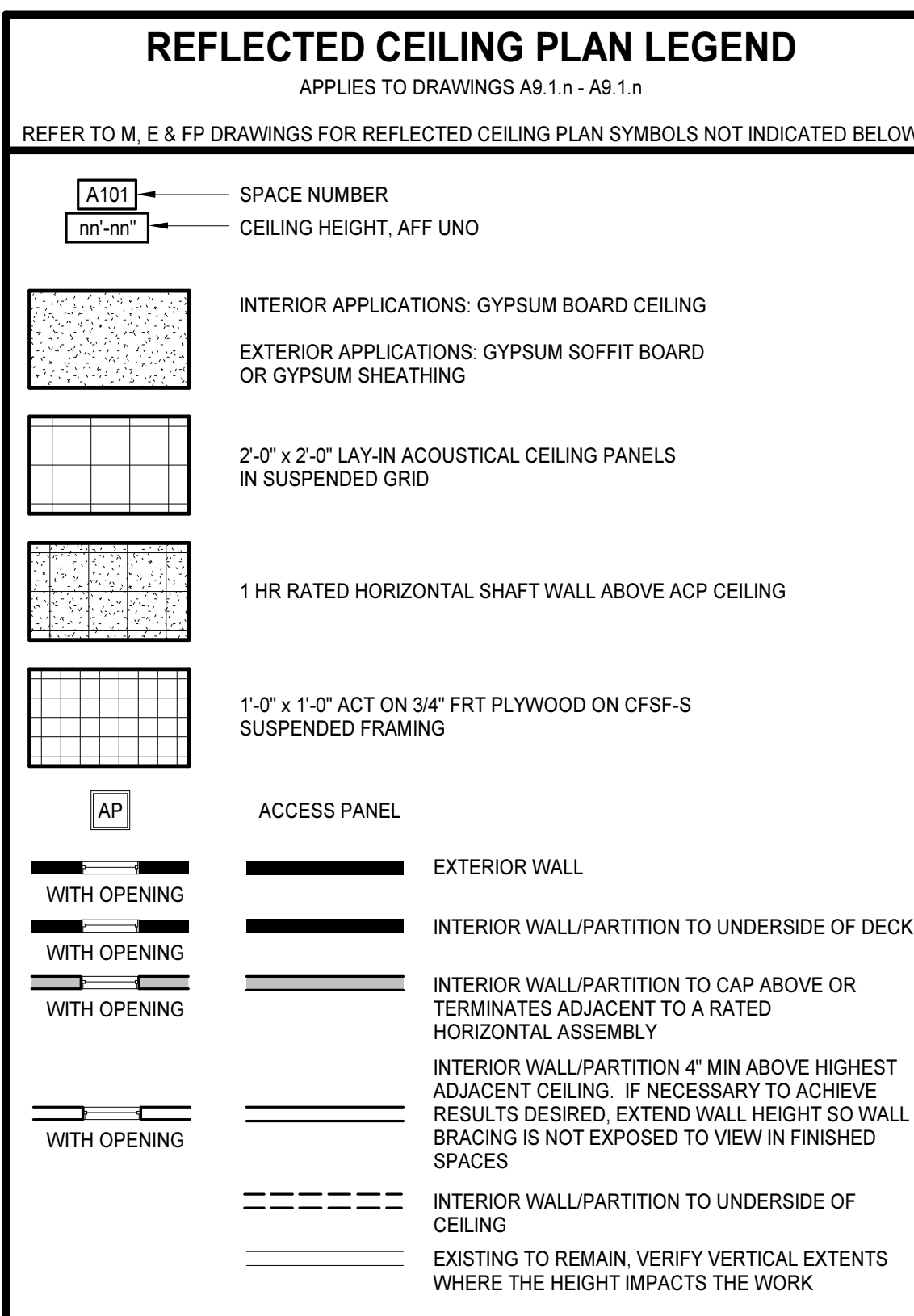


PROJECT NO:	593139
DATE:	March 11, 2020
REVISIONS:	
DATE:	
DESCRIPTION:	

FINISH SCHEDULE - ROCK HILL										
NUMBER	NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	NOTES
				NORTH	EAST	SOUTH	WEST			
B103	CLASSROOM	VT	RB	EPX PT	EPX PT	EPX PT	EPX PT	-	ACP	
B109	CLASSROOM	VT	RB	EPX PT	EPX PT	EPX PT	EPX PT	-	ACP	
B118	CLASSROOM	-	-	-	-	-	-	-	-	*PATCH VCT AS NEEDED



- ### CASEWORK GENERAL NOTES
- UNLESS INDICATED OTHERWISE, ALL COUNTERTOPS:
    - 2'-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
    - 2'-1" DEEP
    - HIGH PRESSURE LAMINATE
    - BACKSPASHES: 4" HIGH AT ALL SIDES AND BACK
  - UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):
    - 2'-0" DEEP NOMINAL
    - TOE KICKS: 4" HIGH AND 3" DEEP
    - SINK LOCATIONS: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER FREE ACCESS
  - UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):
    - 1'-0" DEEP NOMINAL
    - 2'-6" HIGH
    - TOP AT 7'-0" AFF
  - BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.
  - ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.
  - PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.
  - LOCKS: AT ALL TALL CABINETS, UNLESS INDICATED OTHERWISE.



- ### FINISH SCHEDULE GENERAL NOTES
- FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.
  - PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.
  - CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.
  - DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.
  - BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.
  - PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

- ### DOOR AND FRAME GENERAL NOTES
- UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE FOR HEAD, JAMB AND SILL CONDITIONS REFER TO DRAWINGS A2.2
  - DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G. SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.
  - DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G. ELEVATIONS).

- ### REFLECTED CEILING PLAN GENERAL NOTES
- ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.
  - DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.
  - CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

### DEMOLITION PLAN GENERAL NOTES

- THE EXISTING CONDITIONS INFORMATION SHOWN AND/OR INDICATED ON THE DRAWINGS WAS OBTAINED FROM EXISTING DRAWINGS, (WHEN AVAILABLE), FIELD REVIEW, FIELD MEASUREMENTS, AND/OR OTHER AVAILABLE DOCUMENTATION AND/OR OBSERVATION BY OTHERS. NOT ALL EXISTING CONDITIONS AND/OR ACTUAL CONSTRUCTION MAY BE INDICATED AND/OR KNOWN.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITION, CONNECTIONS, LOCATION, SIZES, ETC. IN THE FIELD AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING DEMOLITION WORK.
- CONTRACTOR TO COORDINATE EXTENTS OF ALL DEMOLITION WORK WITH ALL NEW WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING DEMOLITION WORK.
- CONTRACTOR TO COORDINATE A SCHEDULE TO PROPERLY DE-ENERGIZE, SHUT OFF & CAP ALL UTILITIES (ELECTRICAL, GAS, WATER, SEWER, TELEPHONE, ECT.) BACK TO THE EXISTING EXTERIOR WALLS, ROOF DECK, AND/OR SLAB OR GRADE. COORDINATE W/MEP DEMOLITION DWGS & LOCAL UTILITY COMPANIES.
- CONTRACTOR TO MAINTAIN BUILDING IN A SAFE AND SECURE MANNER AND TO ELIMINATE THE APPEARANCE OF AN ATTRACTIVE NUISANCE. MAINTAIN PHYSICAL BARRIER TO PREVENT BUILDING/SITE ACCESS BY PUBLIC AT A MINIMUM.
- EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
- BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATE FOR REMOVAL, REMOVE AND DISPOSE OF IN A LEGAL MANNER.
- REFER TO MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
- SAW CUT ALL SLAB AND WALL OPENINGS.
- DO NOT REMOVE CODE REQUIRED DOORS AND BUILDING FIRE PROTECTION SIGNALS OR EQUIPMENT, U.N.O. PROTECT AS REQUIRED FOR DURATION OF JOB.

MANEUVERING CLEARANCE AT DOORS

WRAP - HEAD/JAMB

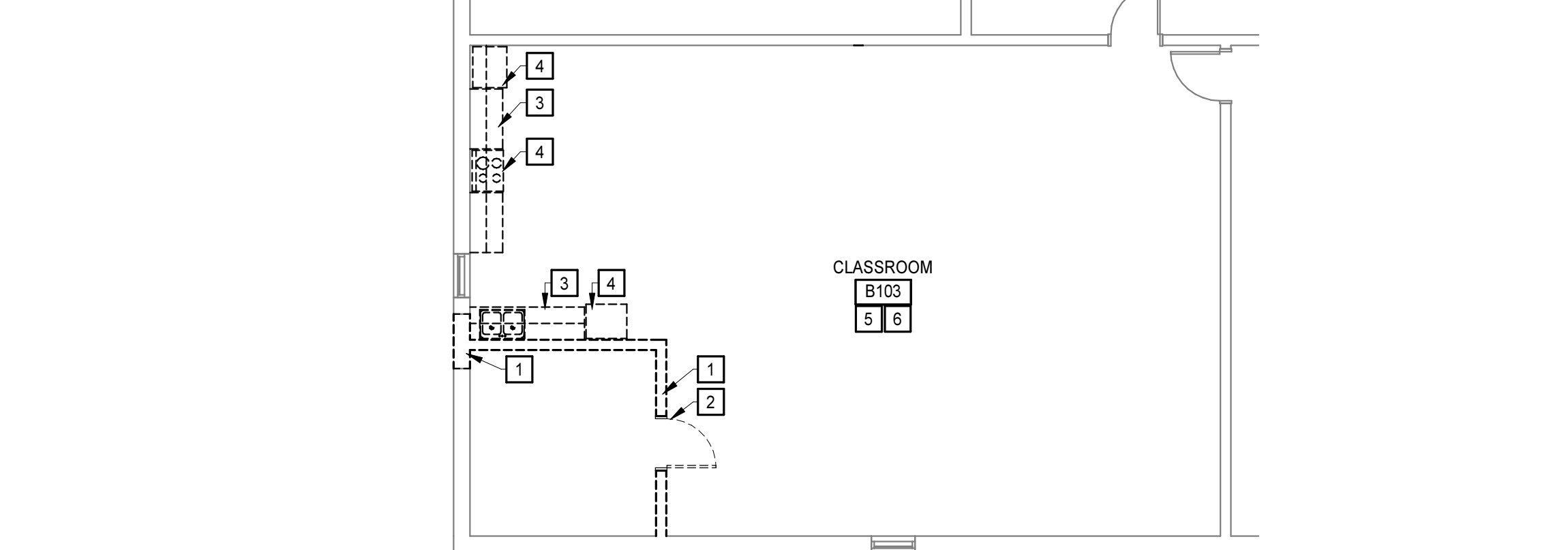
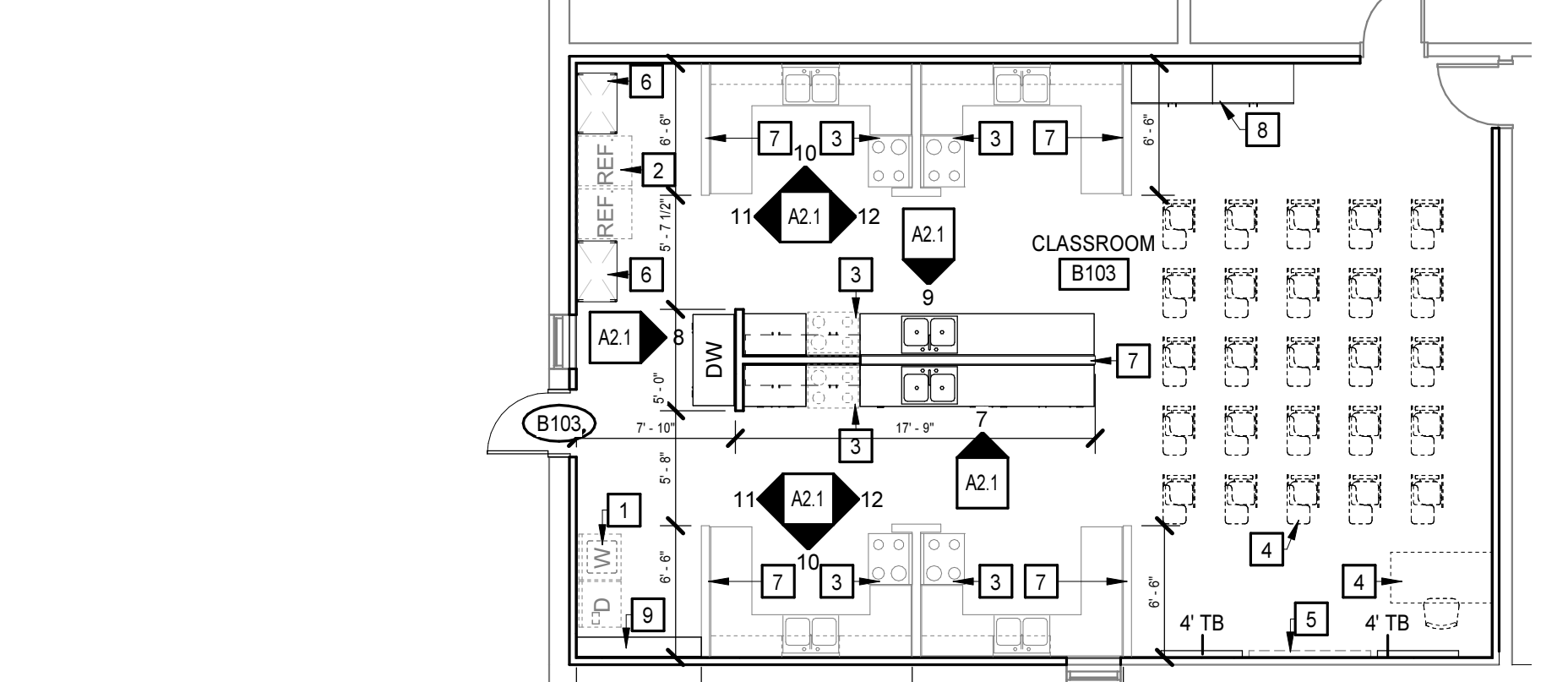
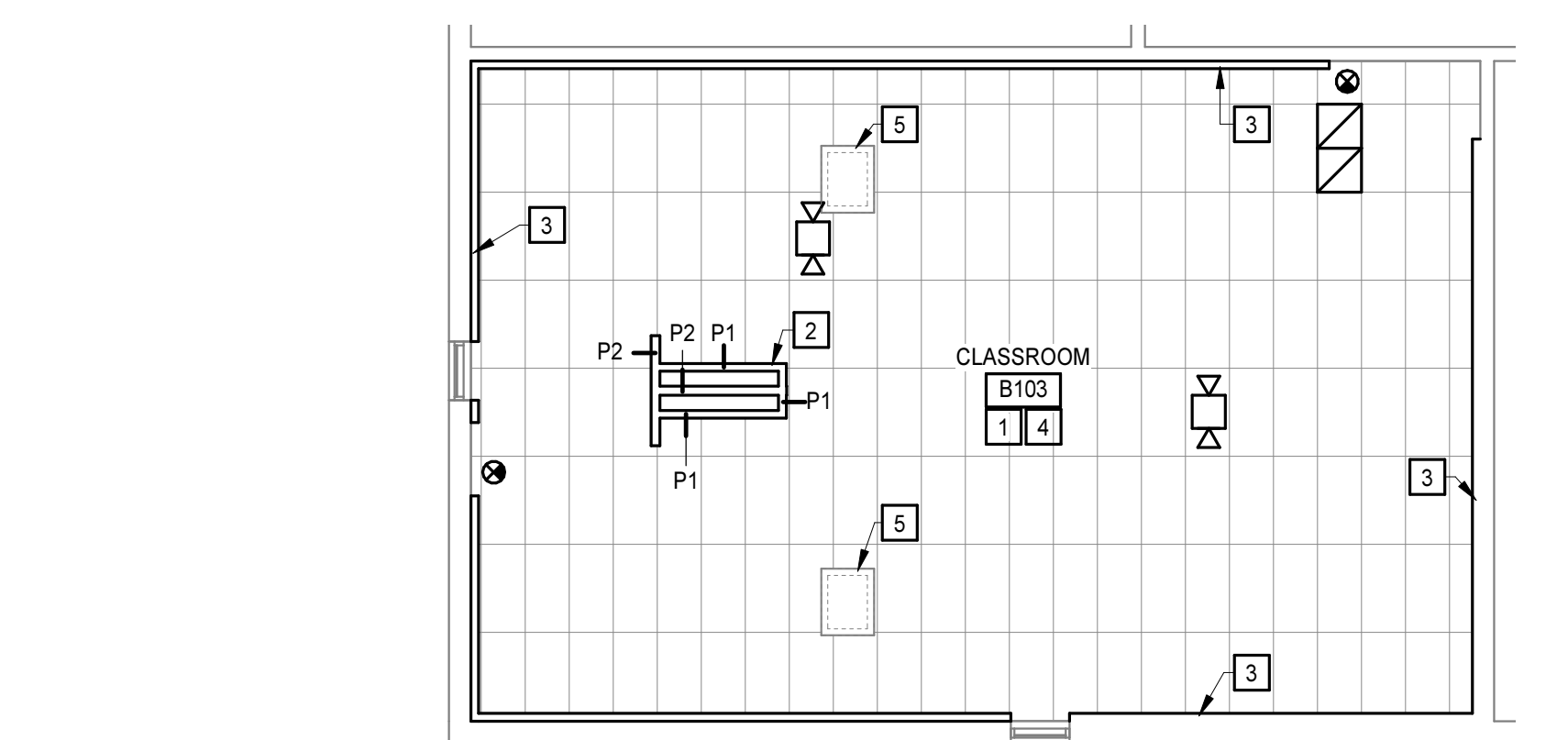
STEEL FRAME SECTIONS

### DOOR AND FRAME GENERAL NOTES

### REFLECTED CEILING PLAN GENERAL NOTES

### DEMO PLAN KEYNOTES

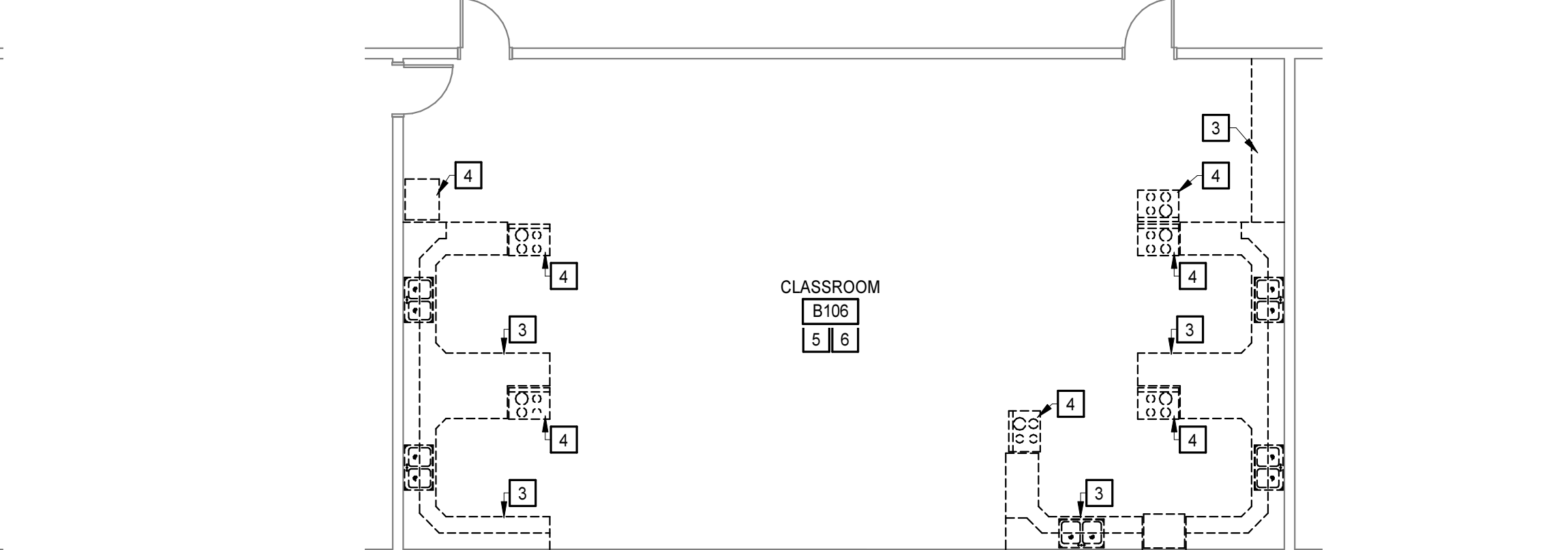
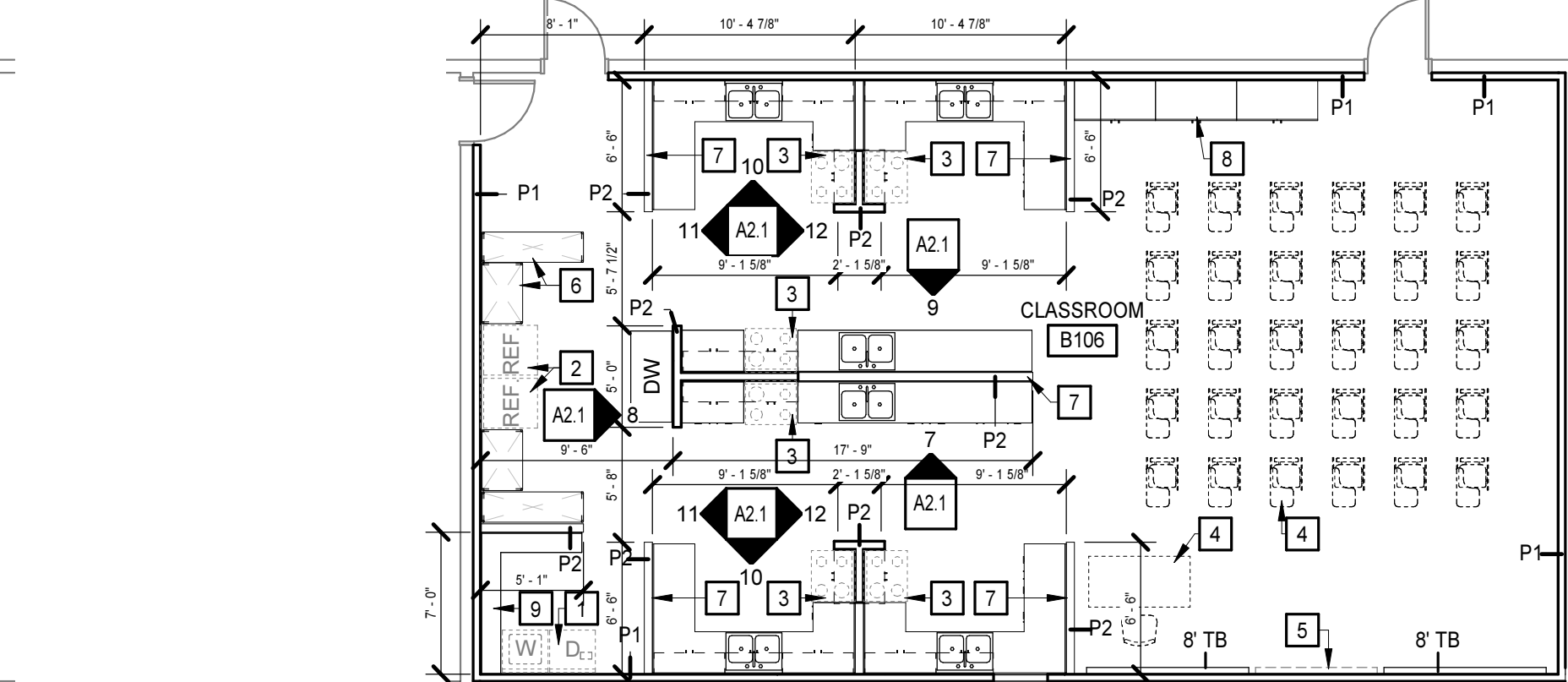
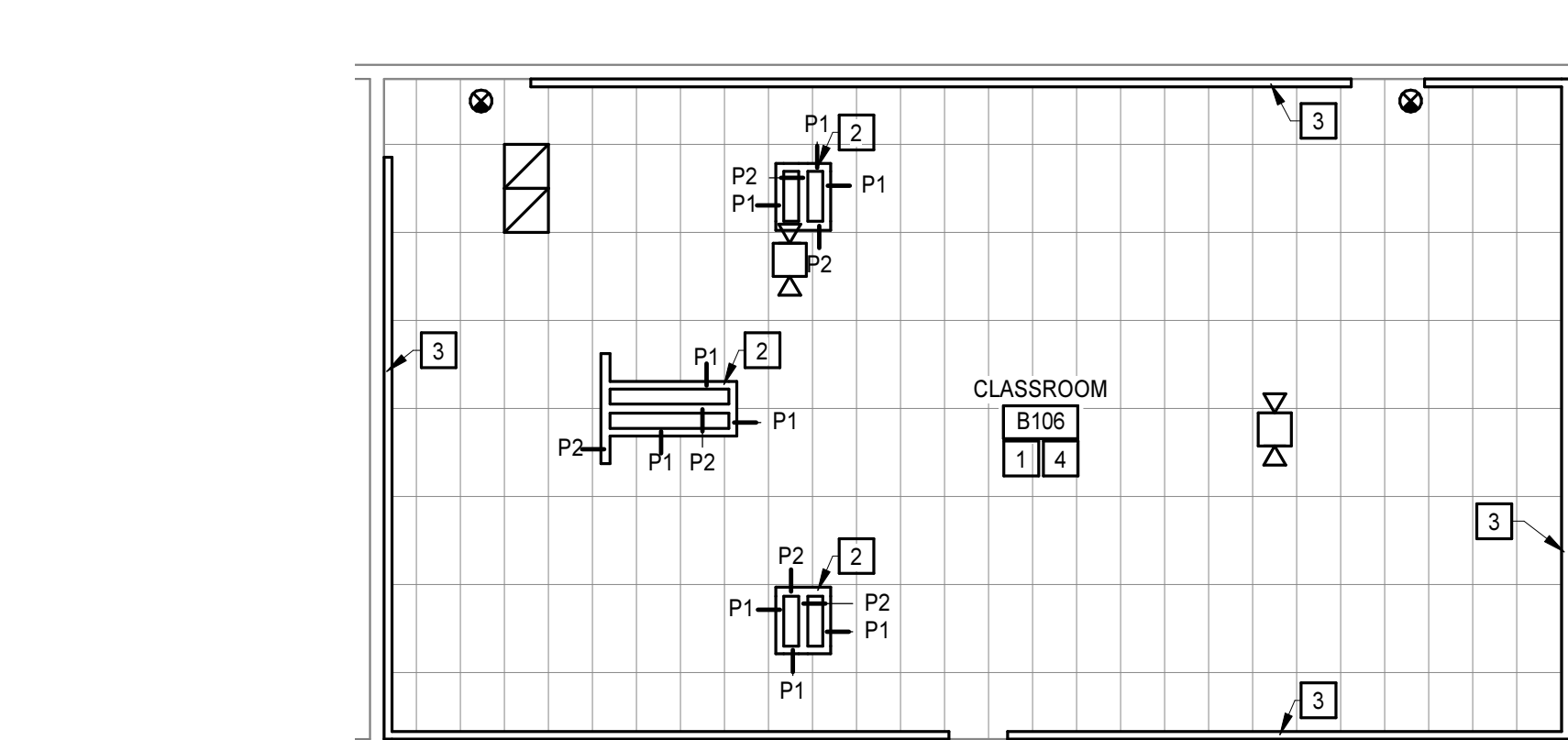
- APPLIES TO DRAWINGS A2.1 - A2.2 REPRESENTED BY [A]
- REMOVE WALL
  - REMOVE DOOR, FRAME AND HARDWARE
  - REMOVE CASEWORK ASSEMBLY
  - REMOVE AND SALVAGE APPLIANCES. COORDINATE STORAGE WITH OWNER
  - PREP AND LEVEL THE FLOOR PER MANUFACTURE SPEC. CLASSROOM FLOOR TO BE REFINISHED WITH VT.
  - REMOVE ACOUSTICAL CEILING PANELS, SALVAGE ABOVE CEILING ACOUSTICAL BATT, EXISTING CEILING GRID TO REMAIN. REMOVE GRID AS NEEDED FOR INSTALLATION OF EXHAUST HOODS. DO NOT REMOVE MAIN CEILING GRID RUN, SECONDARY RUNS ONLY.



6 RCP - RHHS B103  
1/8" = 1'-0"

4 FLOOR PLAN - RHHS B103  
1/8" = 1'-0" NET SF:1,056 - OCC LOAD: 53

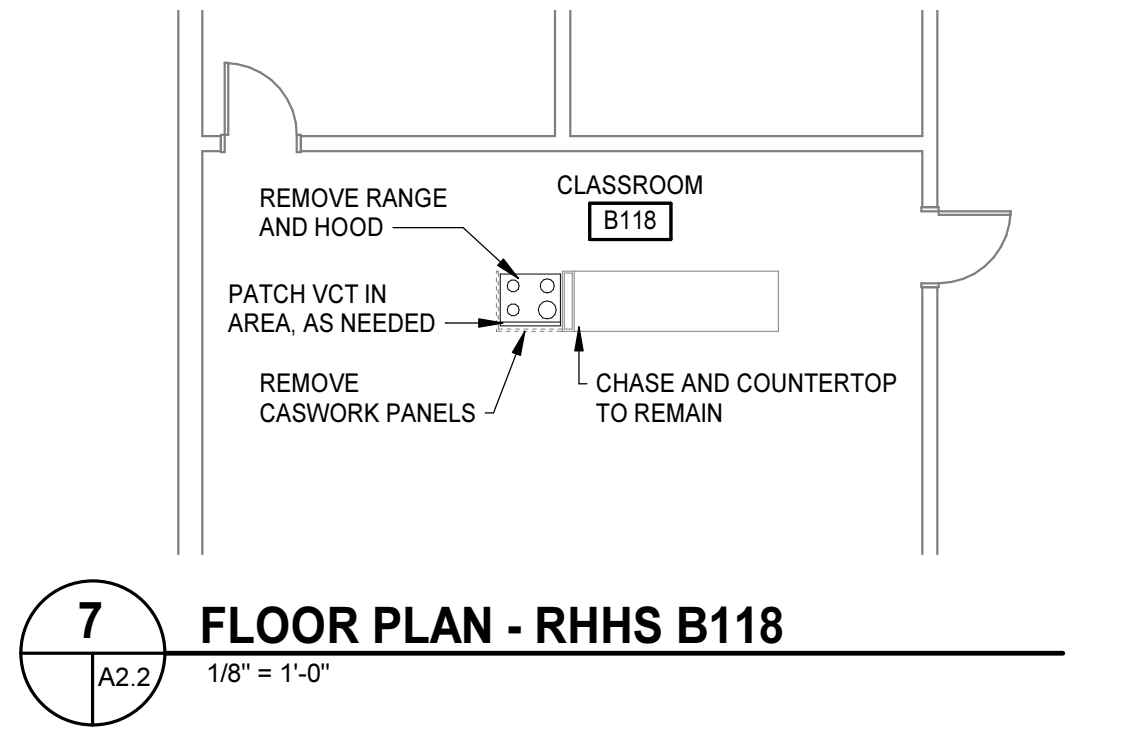
2 DEMOLITION PLAN - ROCK HILL B103  
1/8" = 1'-0"



5 RCP - RHHS B106  
1/8" = 1'-0"

3 FLOOR PLAN - RHHS B106  
1/8" = 1'-0" NET SF:1,273 - OCC LOAD: 64

1 DEMOLITION PLAN - ROCK HILL B106  
1/8" = 1'-0"



7 FLOOR PLAN - RHHS B118  
1/8" = 1'-0"

### FLOOR PLAN GENERAL NOTES

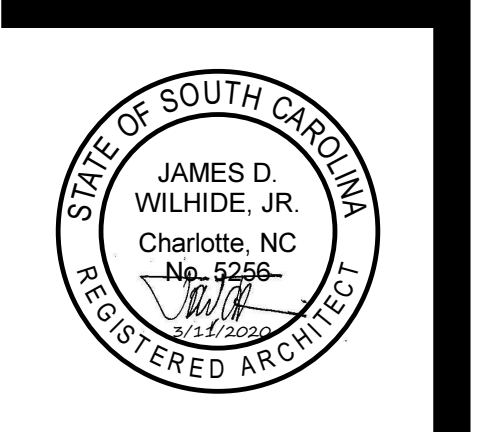
- PROVIDE CONT. SILICONE CAULK AT ALL DOOR FRAMES WHERE WALL AND FRAME MEET BEFORE PAINTING.
- DENOTES THE LIMITS OF FUTURE WORK
- PROVIDE 3625137-68 LIGHT GAUGE METAL STUDS AT 16" OC. STUDS SHALL RUN TO UNDERSIDE OF STRUCTURE ABOVE. ANCHOR EXHAUST HOODS INTO METAL STUDS PER MANUFACTURER'S RECOMMENDATION.

### FLOOR PLAN KEYNOTES

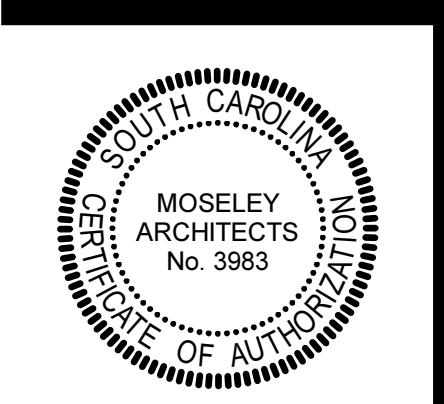
- APPLIES TO DRAWINGS A2.1 - A2.2 REPRESENTED BY [N]
- WASHER-DRYER, NIC
  - REFRACTOR, NIC
  - RANGE, NIC
  - CLASSROOM FURNITURE, NIC
  - SMART BOARD, NIC
  - MOBILE OPEN SHELVING UNIT
  - 48" CFSF WALL
  - TALL CABINET, LOCKABLE
  - 12" DEEP COUNTER TOP WITH BACKSPASH, UNDERCOUNTER SUPPORT BRACKET SPACED 24"

### REFLECTED CEILING PLAN KEYNOTES

- APPLIES TO DRAWINGS A2.1 - A2.2 REPRESENTED BY [N]
- PROVIDE CEILING TILE AND GRID MAX
  - STUD WALLS AT WORK STATIONS - SHALL RUN TO THE UNDERSIDE OF STRUCTURE ABOVE.
  - STUD WALLS AT ROOM PERIMETER - SHALL RUN TO BOTTOM OF EXISTING CEILING
  - REFER TO ELECTRICAL DRAWINGS FOR LIGHTING RECONFIGURATION
  - FUTURE CEILING WORK



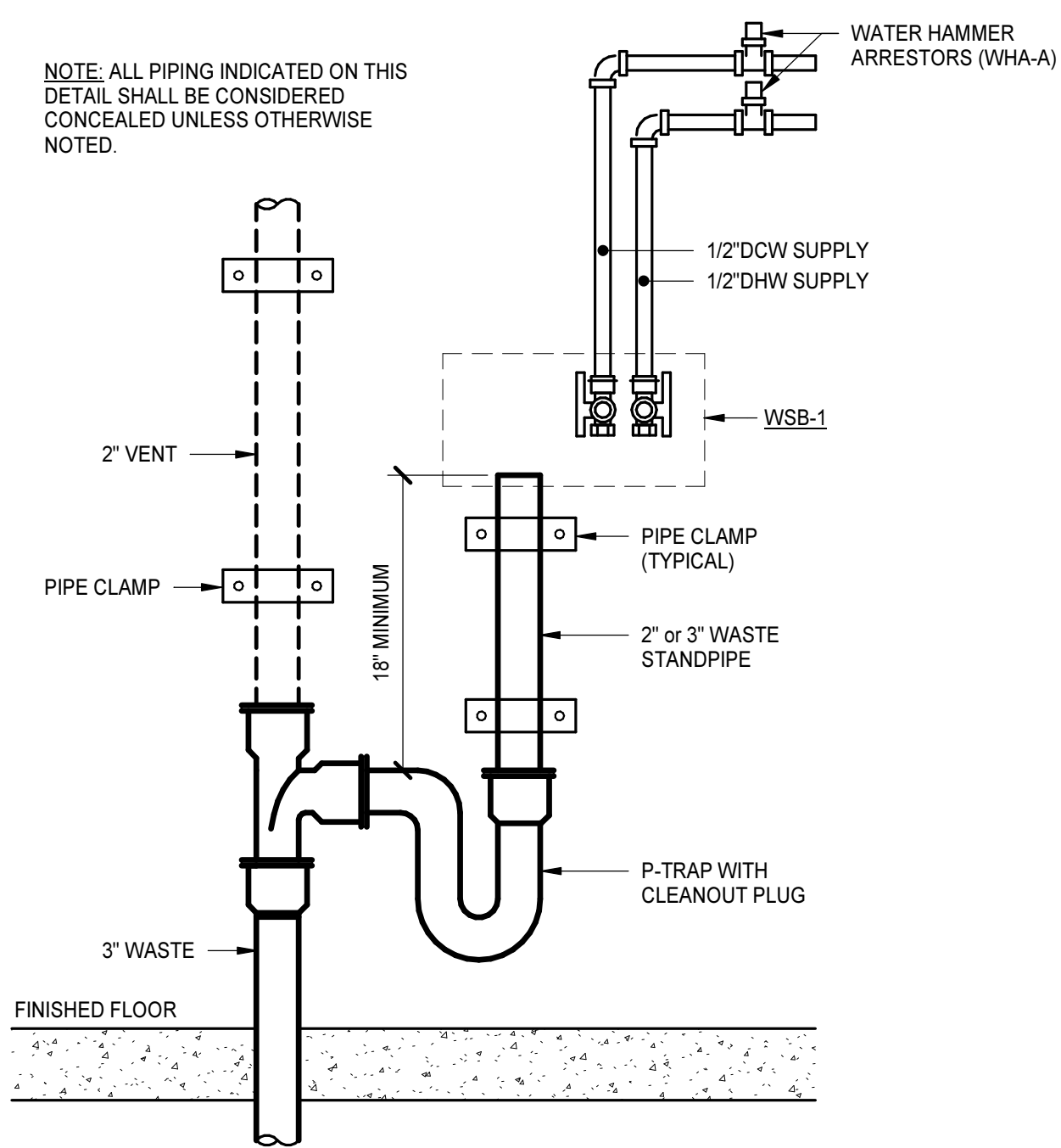
PROJECT NO:	593139
DATE:	March 1, 2020
REVISIONS:	
DATE:	DESCRIPTION:



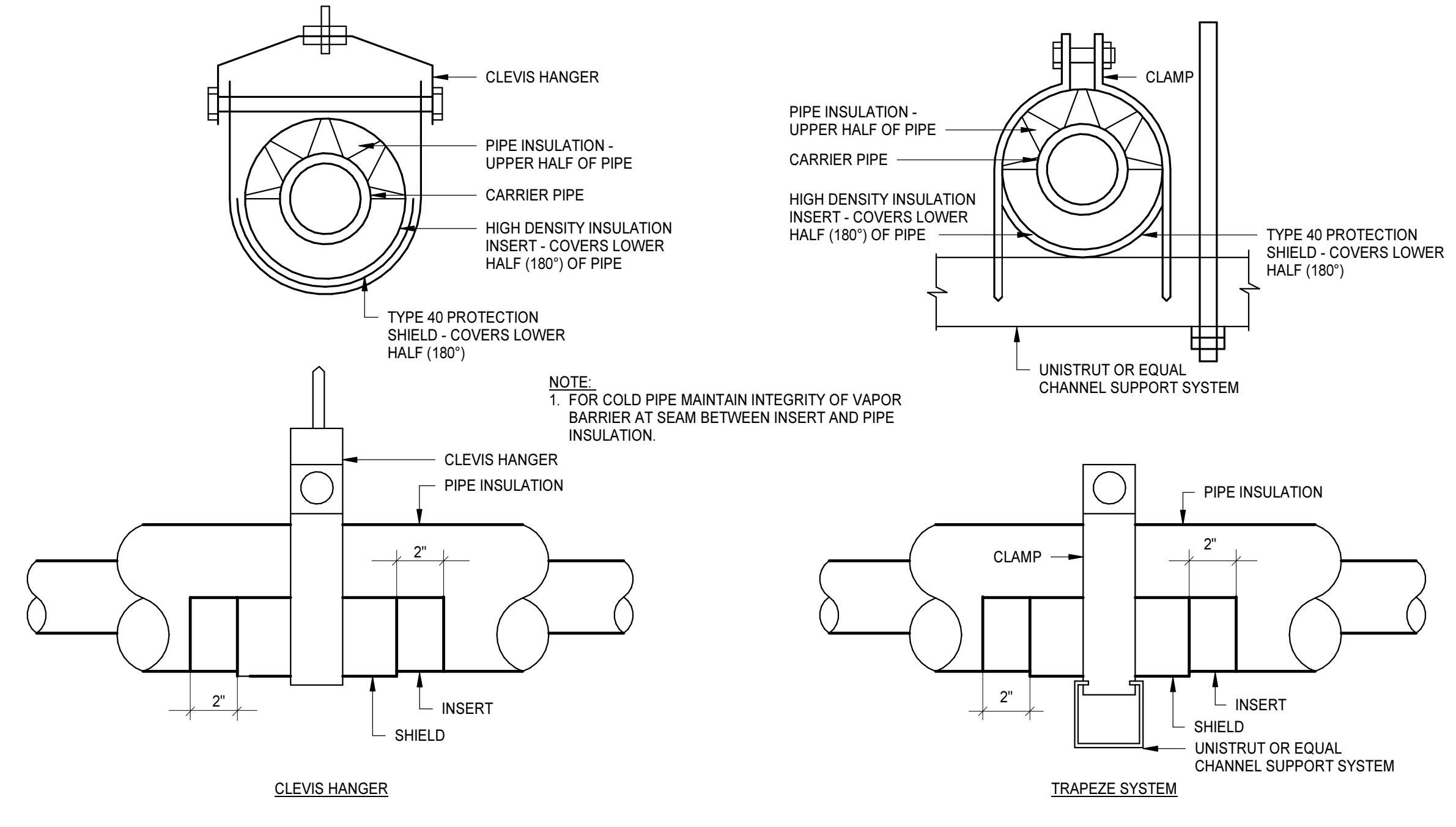
PROJECT NO:	593139
DATE:	MARCH 11, 2020
REVISIONS	
DATE	DESCRIPTION

ABBREVIATIONS			
⊕	AT	EX	EXISTING
AAV	AIR ADMITTANCE VALVE	EXP	EXPANSION
ABV	ABOVE	FCD	FLOOR CLEANOUT
ADJ	ADJUSTABLE	FD	FLOOR DRAIN
ADNL	ADDITIONAL	FDC	FIRE DEPARTMENT CONNECTION
AFF	ABOVE FINISHED FLOOR	FDN	FOUNDATION DRAIN
AFG	ABOVE FINISHED GRADE	FF	FINISHED FLOOR
AHU	AIR HANDLING UNIT	FEE	FINISHED FLOOR ELEVATION
ALT	ALTERNATE	FG	FINISHED GRADE
ALUM	ALUMINUM	FH	FIRE HYDRANT
AP	ACCESS PANEL	FHC	FIRE HOSE CABINET
APPR	APPROXIMATE	FHS	FIRE HOSE STATION
ARCH	ARCHITECTURAL	FHVC	FIRE HOSE VALVE CABINET
AUTO	AUTOMATIC	FIX	FIXTURE
AVG	AVERAGE	FLR	FLOOR
BFF	BELOW FINISHED FLOOR	FLSHG	FLASHING
BFG	BELOW FINISHED GRADE	FOR	FUEL OIL RETURN
BLDG	BUILDING	FOS	FUEL OIL SUPPLY
BO	BOTTOM OF	FOV	FUEL OIL VENT
BOT	BOTTOM	FS	FLOOR SINK
BSMT	BASEMENT	FT	FOOT OR FEET
BTWN	BETWEEN	FVC	FIRE VALVE CABINET
CA	COMPRESSED AIR	G	NATURAL GAS
CI	CAST IRON	GCO	GRADE CLEANOUT
CIP	CAST-IN-PLACE CONCRETE	GWH	GAS WATER HEATER
CL	CENTERLINE	HB	HOSE BIBB
CLG	CEILING	HORIZ	HORIZONTAL
CLR	CLEAR	HP	HORSEPOWER
CMP	CORRUGATED METAL PIPE	HTG	HEATING
CNTR	COUNTER	HW	HOT WATER
CO	CLEANOUT	HWR	HOT WATER RETURN
COL	COLUMN	HWS	HOT WATER SUPPLY
CONC	CONCRETE	ID	INSIDE DIAMETER
CONDS	CONDENSATE	IN	INCH
CONSTR	CONSTRUCTION	INSUL	INSULATE OR INSULATION
CONT	CONTINUATION	INV	INVERT
CONTR	CONTRACT (OR)	JAN	JANITOR
CORR	CORRIDOR	KIT	KITCHEN
CP	CIRCULATING PUMP	KW	KITCHEN WASTE
CR	CLASSROOM	LAB	LABORATORY
CT	COOLING TOWER	LAV	LAVATORY
CU	COPPER	LBS	POUNDS
CU FT	CUBIC FEET	LF	LINEAR FOOT (FEET)
CU YD	CUBIC YARD	LP	PROPANE
CW	COLD WATER	LPV	PROPANE VENT
DB	DRY BULB	MATL	MATERIAL
DCW	DOMESTIC COLD WATER	MAX	MAXIMUM
DEMO	DEMOLISH OR DEMOLITION	MECH	MECHANICAL
DF	DRINKING FOUNTAIN	MED	MEDIUM
DHR	DOMESTIC HOT WATER RETURN	MFR	MANUFACTURER
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MH	MANHOLE
DHW	DOMESTIC HOT WATER	MIN	MINIMUM
DHW(140)	DOMESTIC HOT WATER (140°)	MISC	MISCELLANEOUS
DI	DROP INLET	MTD	MOUNTED
DIA	DIAMETER	N	NORTH
DIP	DUCTILE IRON PIPE	NA	NOT APPLICABLE/AVAILABLE
DN	DOWN	NC	NORMALLY CLOSED
DS	DOWNSPOUT	NG	NATURAL GAS
DT	DRAIN TILE	NGV	NATURAL GAS VENT
DTL	DETAIL	NC	NOT IN CONTRACT
DTW	DOMESTIC TEMPERED WATER	NO	NORMALLY OPEN
DWG	DRAWING	NO. (#)	NUMBER
E	EAST	NOM	NOMINAL
ELEC	ELECTRICAL	OC	ON CENTER
EPDB	ELECTRICAL PANELBOARD	OD	OUTSIDE DIAMETER
EQ	EQUAL	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
EQUIP	EQUIPMENT	OFF	OFFICE
ETR	EXISTING TO REMAIN	OH	OVERHEAD
EWC	ELECTRIC WATER COOLER	OPNG	OPENING
EVH	ELECTRIC WATER HEATER	OPP	OPPOSITE
		OSD	OPEN SITE DRAIN
		PC	PRECAST
		PCF	POUNDS PER CUBIC FOOT
		PD	PUMP DISCHARGE
		PLUMB	PLUMBING
		PLYWD	PLYWOOD
		POLY	POLYETHYLENE
		PPT	PRESSURE PRESERVATIVE TREATED
		PREFAB	PREFABRICATE(D)
		PROJ	PROJECT
		PSF	POUNDS PER SQUARE FOOT
		PSP	POUNDS PER SQUARE INCH
		PV	PROPANE VENT
		PVC	POLYVINYL CHLORIDE
		PVMT	PAVEMENT
		R	RISER
		RAD	RADIUS
		RD	ROOF DRAIN (BOTTOM OUTLET)
		RDS	FUEL OIL VENT
		REF	REFERENCE
		REQD	REQUIRED
		REQMT	REQUIREMENTS
		RL	RAIN LEADER
		RM	ROOM
		RO	ROUGH OPENING
		S	SOUTH
		SAN	SANITARY
		SCH	SCHEDULE
		SD	STORM DRAIN
		SDN	STORM DRAIN NOZZLE
		SHT	SHEET
		SIM	SIMILAR
		SLT	SEALANT
		SGO	SLAB ON GRADE
		SP	SUMP PUMP
		SPEC	SPECIFICATION
		SFR	SPRINKLER
		SQ	SQUARE
		SRD	SECONDARY ROOF DRAIN
		SS	STAINLESS STEEL
		SSD	SECONDARY STORM DRAIN
		STD	STANDARD
		STL	STEEL
		STOR	STORAGE
		STRUCT	STRUCTURAL
		SUSP	SUSPENDED
		THK	THICK(NESS)
		TLT	TOILET
		TOSL	TOP OF SLAB
		TW	DOMESTIC TEMPERED WATER (90° F)
		TYP	TYPICAL
		UG	UNDERGROUND
		UNO	UNLESS NOTED (INDICATED) OTHERWISE
		V	VENT
		VAC	VACUUM
		VB	VACUUM BREAKER
		VERT	VERTICAL
		VTR	VENT THROUGH ROOF
		W	WEST
		WF	WITH
		W/O	WITHOUT
		WB	WASHER BOX
		WC	WATER CLOSET
		WCO	WALL CLEANOUT
		WHAK	WATER HAMMER ARRESTER WITH SIZE
		WSPH	WATER SOURCE HEAT PUMP
		WWF	WELDED WIRE FABRIC
		WMM	WELDED WIRE MESH
		XFMR	TRANSFORMER

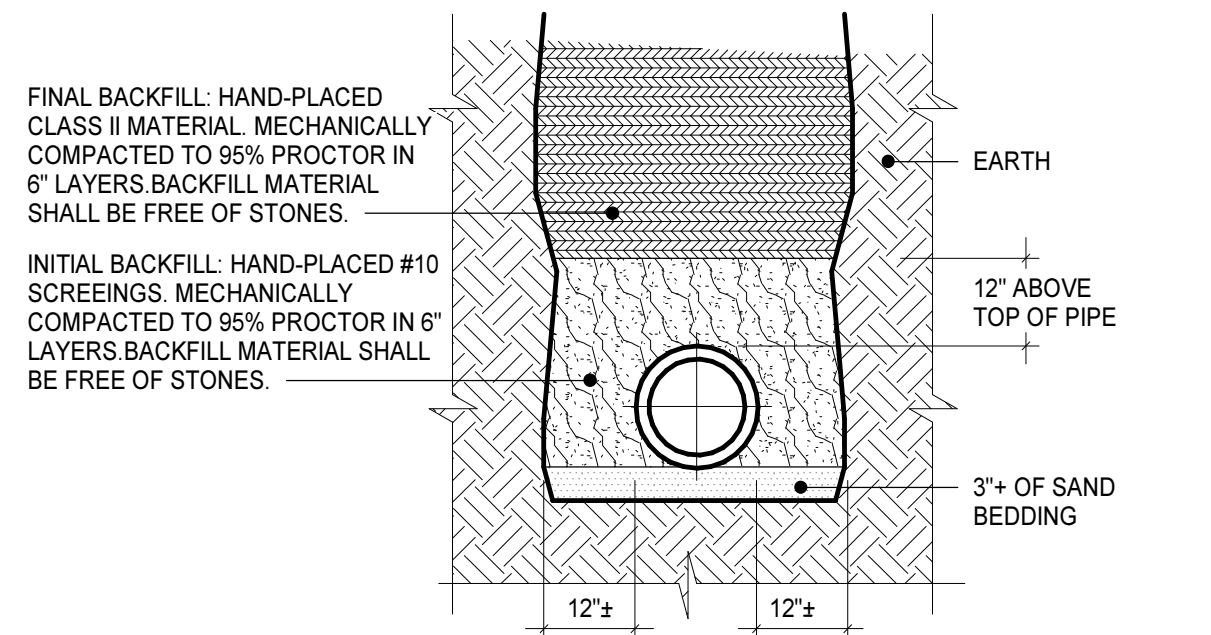
GRAPHICS SYMBOLS LEGEND	
	PIPE WITH SIZE AND SERVICE
	FLOW IN DIRECTION OF ARROW
	PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE
	PIPE CAP
	PIPE TURNED DOWN
	PIPE TURNED UP
	PIPE TEE UP
	PIPE TEE DOWN
	UNION
	CONCENTRIC PIPE REDUCTION
	END OF LINE CLEANOUT PLUG
	FLOOR CLEANOUT
	WALL CLEANOUT
	FLOOR DRAIN WITH TAG
	FLOOR SINK WITH TAG
	PRESSURE GAUGE WITH GAUGE COCK
	LIQUID FILLED THERMOMETER
	WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE INSTITUTE SIZE INDICATED)
	FLOW SWITCH
	TEMPERATURE/PRESSURE PLUG
	VALVE
	VALVE IN RISER
	GAS COCK
	VENTURI FLOW METER
	MANUAL BALANCING VALVE
	AUTOMATIC BALANCING VALVE WITH FLOW TAPS
	SWING CHECK VALVE
	PRESSURE REDUCING VALVE
	SOLENOID OPERATED VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	BACKWATER VALVE
	HOSE BIBB OR WALL HYDRANT
	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
	DOUBLE CHECK BACKFLOW PREVENTER
	PUMP
	POINT OF CONNECTION TO EXISTING
	LIMIT OF DEMOLITION
	KEYNOTE
	STRUCTURAL GRID LINE WITH DESIGNATION
	SPACE IDENTIFICATION TAG
	EQUIPMENT IDENTIFICATION TAG
	SECTION WHERE CUT
	ENLARGED PLAN WHERE CUT
	DETAIL TAG
	SANITARY RISER TAG
	DOMESTIC RISER TAG
	DETAIL TITLE
	SANITARY RISER DIAGRAM
	DOMESTIC RISER DIAGRAM
	FUEL GAS RISER DIAGRAM



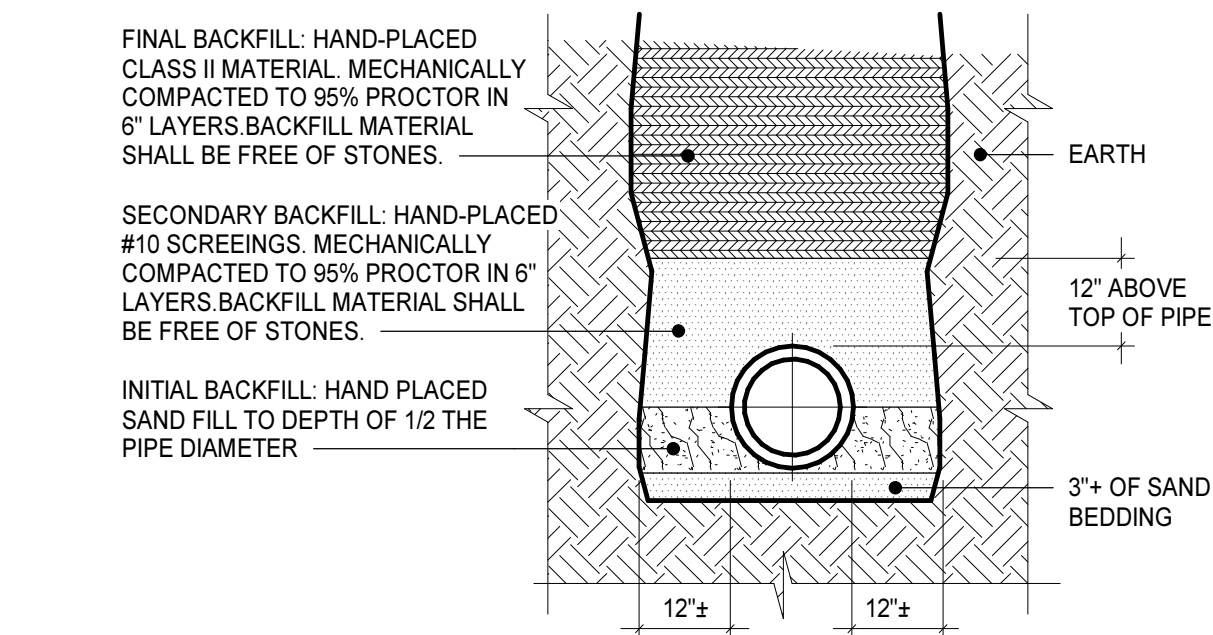
**WASHING MACHINE STANDPIPE DRAIN DETAIL**  
NO SCALE



**PIPE SUPPORT AND THERMAL SHIELD DETAILS**  
NO SCALE



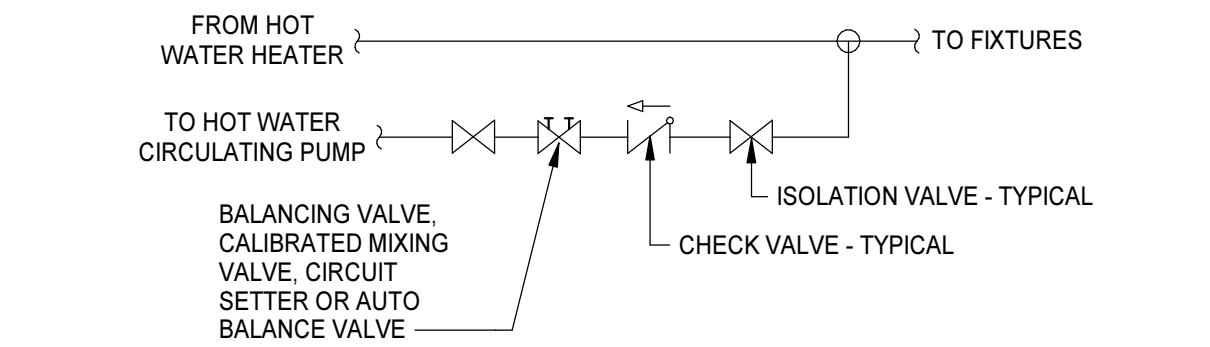
**CAST IRON PIPE BEDDING DETAIL**  
NO SCALE



**PVC PIPE BEDDING DETAIL**  
NO SCALE

PLUMBING FIXTURE SCHEDULE								
TAG	FIXTURE	HEIGHT A.F.F.	PIPE SIZE					NOTES
			COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	
SK-1	SINK - DOUBLE COMPARTMENT (ACCESSIBLE)	SEE ARCHITECTURAL CASEWORK DETAILS	1/2"	N/A	1/2"	2"	2"	1, 2, 3
WSB-1	WATER SUPPLY BOX - WASHING MACHINE	BOTTOM AT 42"	1/2"	N/A	1/2"	NA	NA	
WSB-2	WATER SUPPLY BOX - ICE MAKER OR WATER FILTER	BOTTOM AT 12" OR FOOD SERV DWG ROUGH-IN IF KITCHEN	1/2"	N/A	N/A	N/A	N/A	

NOTES:  
 1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE IPC AND ASAD 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN FOR ADULTS.  
 2. PROVIDE ASSE 1070 CERTIFIED MIXING VALVE ABOVE CEILING, OR BELOW FIXTURE. PROVIDE ONLY IF EXISTING FACILITY SYSTEM EXCEEDS 115 DEGREES F TEMPERATURE.  
 3. PROVIDE DISHWASHER HOOKUP WHERE DISHWASHER IS PRESENT. CONNECT HW IN SINK BASE AND CONNECT SANITARY THROUGH AIR GAP FITTING INTO DISHWASHER TAIL PIECE SINK DRAIN.



**HOT WATER RECIRCULATION BRANCH DETAIL**  
NO SCALE

**GENERAL NOTES**

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.

C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.

D. PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.

E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGH-IN PLUMBING FIXTURES.

F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.

G. PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.

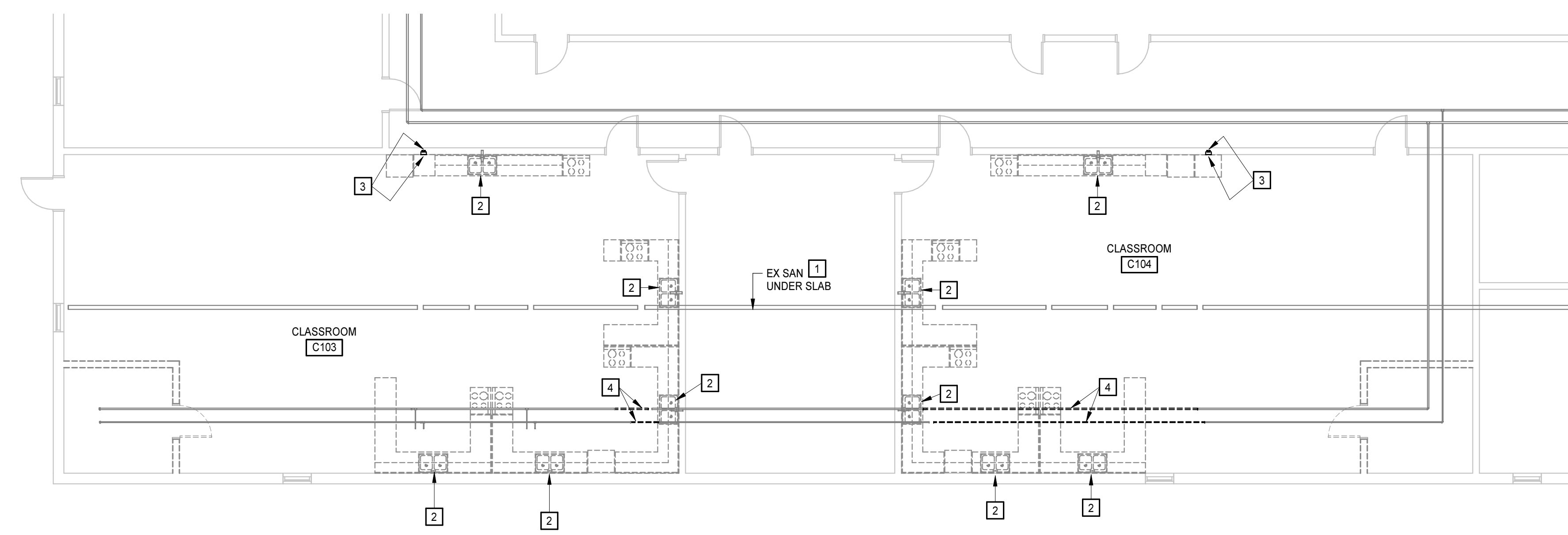
H. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

3/12/2020 10:19:57 AM

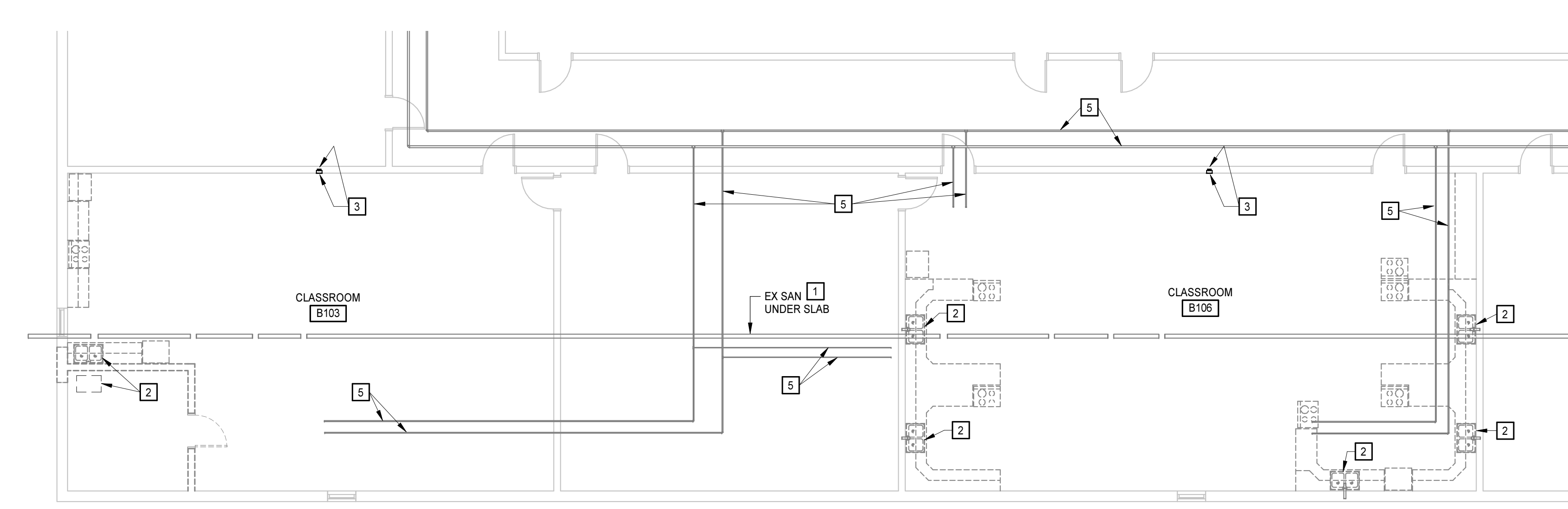
J  
H  
G  
F  
E  
D  
C  
B  
A

**KEYNOTES**  
 APPLIES TO THIS DRAWING  
 REPRESENTED BY [N]

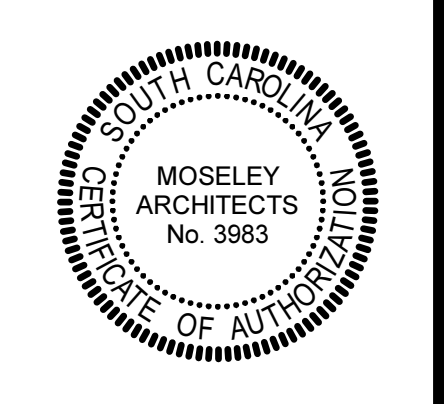
1. FIELD LOCATE EXISTING SANITARY WASTE AND DIRECTION OF SLOPE UNDER SLAB.
2. REMOVE EXISTING SANITARY AND DOMESTIC WATER FROM SINKS BACK TO WALL AND CAP. REFER TO NEW WORK DRAWINGS FOR FUTURE CONNECTION IF ANY.
3. REMOVE EXISTING WASHER WALL BOX AND CAP EXISTING SANITARY & DOMESTIC WATER PIPING WITHIN WALL. REMOVE DOMESTIC HOT & COLD WATER PIPING ABOVE CEILING BACK TO MAIN AND CAP. REFER TO ARCHITECTURAL DRAWINGS FOR WALL REPAIR.
4. REMOVE EXISTING DOW & DHW ABOVE CEILING AS REQUIRED TO INSTALL NEW SECTIONS OF PIPING. REFER TO NEW WORK DRAWINGS.



**FIRST FLOOR PLAN - DEMOLITION - NORTHWESTERN HS**  
 1/8" = 1'-0"



**FIRST FLOOR PLAN - DEMOLITION - ROCKHILL HS**  
 1/8" = 1'-0"



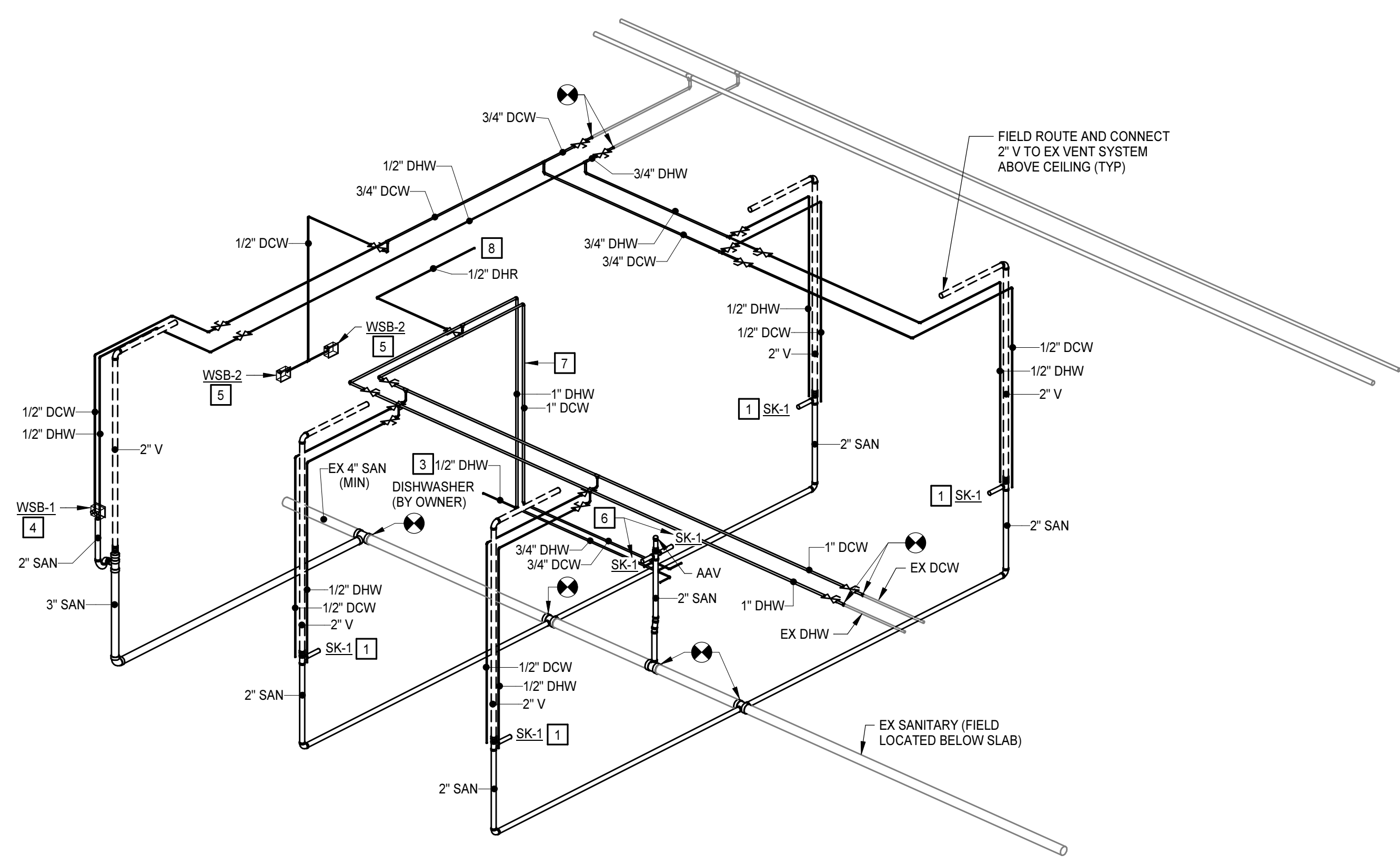
PROJECT NO:	593139
DATE:	MARCH 11, 2020
REVISIONS	
DATE	DESCRIPTION



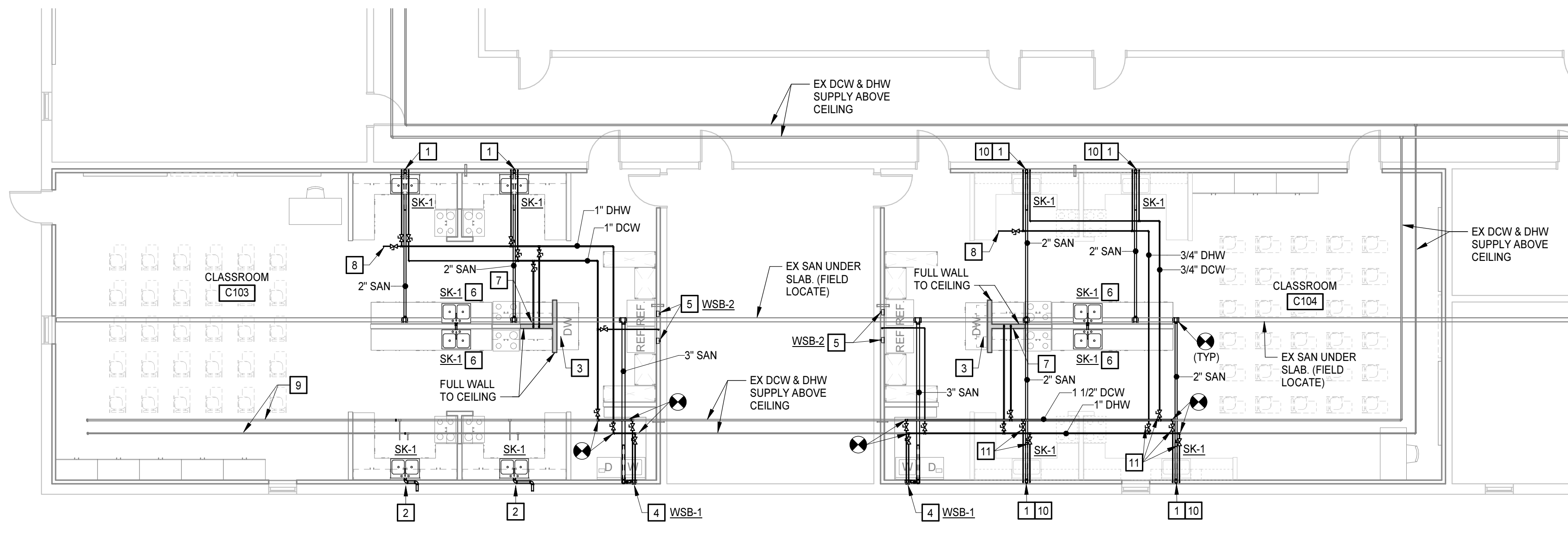


PROJECT NO:	593139
DATE:	MARCH 11, 2020
REVISIONS	
DATE	DESCRIPTION

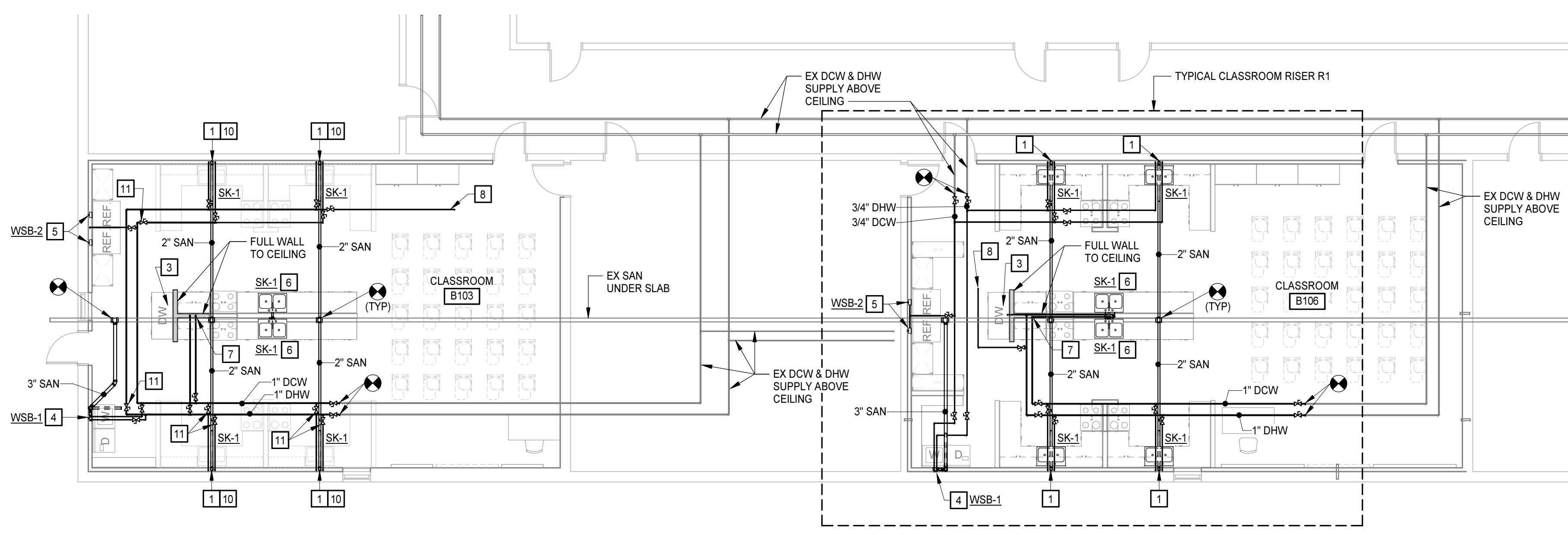
- KEYNOTES**  
 APPLIES TO THIS DRAWING  
 REPRESENTED BY [a]
1. PROVIDE SK-1 SINK AND CONNECT 2" SANITARY TO EXISTING SANITARY MAIN BELOW SLAB. ROUTE 2" VENT UP WALL AND CONNECT TO EXISTING VENT SYSTEM ABOVE CEILING. CONNECT 1/2" DCW & DHW AND ROUTE TO EXISTING MAINS ABOVE CEILING. PROVIDE CLEAN-OUT TEE IN VENT ABOVE CEILING IN AN ACCESSIBLE LOCATION.
  2. PROVIDE SK-1 SINK AND CONNECT 2" SANITARY TO THE PREVIOUS SINKS EXISTING SANITARY & VENT IN WALL. CONNECT 1/2" DCW & DHW WATER PIPING TO PREVIOUS SINKS EXISTING DOMESTIC PIPING IN WALL. PROVIDE NEW CLEAN-OUT TEE IN EXISTING VENT ABOVE CEILING IN AN ACCESSIBLE LOCATION.
  3. ROUTE DISHWASHER DRAIN DISCHARGE UP 18" AFF WITHIN CABINET WALL AND SLOPE DOWN TO SINK SANITARY DRAIN AND CONNECT TO A SINK WITH AIR GAP FITTING OR BACKFLOW DEVICE.
  4. PROVIDE WSB-1 WASHER BOX AT 3'-6" AFF. ROUTE 3" SANITARY TO EXISTING SANITARY MAIN UNDER SLAB AND CONNECT. ROUTE 2" VENT UP WALL AND CONNECT TO EXISTING VENT SYSTEM ABOVE CEILING. PROVIDE 1/2" DCW AND DHW AND ROUTE TO EXISTING MAINS ABOVE CEILING AND CONNECT. REFER TO DETAIL.
  5. PROVIDE WSB-2 WATER BOX 18" AFF FOR ICE MAKER AND ROUTE 1/2" DCW TO DCW ABOVE CEILING AND CONNECT.
  6. PROVIDE SK-1 SINK AND CONNECT 2" SANITARY TO EXISTING SANITARY MAIN BELOW SLAB. ROUTE 2" VENT UP WALL AND CONNECT TO EXISTING VENT SYSTEM ABOVE CEILING. CONNECT 1/2" DCW & DHW AND ROUTE TO EXISTING MAINS ABOVE CEILING. PROVIDE CLEAN-OUT TEE IN SANITARY BELOW-TRAP IN AN ACCESSIBLE LOCATION. PROVIDE AIR ADMITTANCE VALVE IN VENT LOCATED HIGH UNDER COUNTERTOP.
  7. ROUTE 3/4" DCW & DHW DOWN IN WALL. ROUTE 1/2" DCW & DHW TO EACH SINK AND 1/2" DHW TO DISHWASHER.
  8. FIELD LOCATE EXISTING DHR PIPING SYSTEM ABOVE CEILING. ROUTE 1/2" DHR TO EXISTING HOT WATER RETURN SYSTEM MAIN. PROVIDE BALANCING VALVE OR CIRCUIT SETTER WHERE REQUIRED. REFER TO DETAIL.
  9. THE PLUMBING CONTRACTOR SHALL DETERMINE AND REMOVE ANY EXISTING DCW OR DHW PIPING ABOVE CEILING NO LONGER ATTACHED TO ANY FIXTURE THAT CREATES A DEAD LEG AND SHALL CAP EXISTING PIPE IMMEDIATELY AFTER LAST USED FIXTURE BRANCH.
  10. FUTURE SINK INSTALLATION. PROVIDE DCW, DHW & SANITARY & VENT PIPING DOWN IN WALL BUT CAP BEHIND WALL FOR FUTURE CONNECTION.
  11. VALVE FOR FUTURE DOMESTIC WATER LEG. PROVIDE AT LOCATION SHOWN, BUT VALVE TO REMAIN CLOSED UNTIL FUTURE SINKS HAVE BEEN INSTALLED TO PREVENT A DEAD LEG WATER LINE DRAIN ANY DOMESTIC PIPING DOWNSTREAM OF THIS VALVE BEFORE CAPPING IN WALL.



**R1 TYPICAL CLASSROOM RISER**  
 NO SCALE (OTHER CLASS ROOMS MAY BE SIMILAR)



**FIRST FLOOR PLAN - NORTHWESTERN HS**  
 1/8" = 1'-0"



**FIRST FLOOR PLAN - ROCKHILL HS**  
 1/8" = 1'-0"

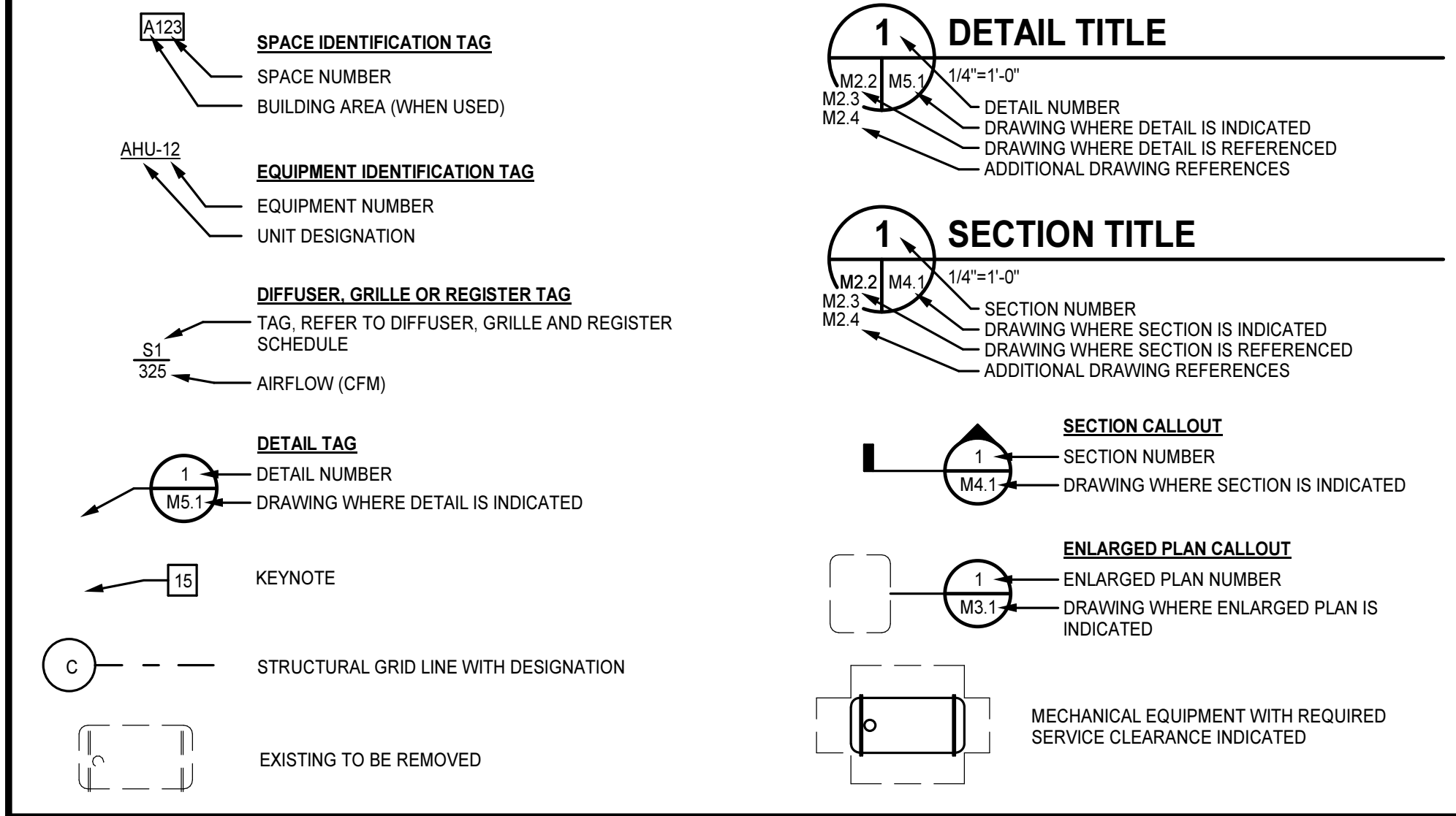
GRILLE, REGISTER, & DIFFUSER SCHEDULE						
TAG	MANUFACTURER	MODEL NUMBER	MOUNTING STYLE	NECK SIZE	FACE SIZE	MAX NO LEVEL
R1	TITUS	PDDR	CEILING	16"	24x24	25

EQUIPMENT IDENTIFICATION	
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BCU	BLOWER COIL UNIT
OCC	CLOSED-CIRCUIT COOLING TOWER
CH	CHILLER
CHWP	CHILLED WATER PUMP
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
ECH	ELECTRIC CEILING HEATER
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWL	ELECTRIC WALL HEATER
FCU	FAN COIL UNIT
HP	HEAT PUMP
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
MAU	MAKEUP AIR UNIT
OAU	OUTDOOR AIR UNIT
P	PUMP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PTHP	PACKAGED TERMINAL HEAT PUMP
RTU	ROOFTOP UNIT
SSI	SPLIT-SYSTEM INDOOR UNIT
SSO	SPLIT-SYSTEM OUTDOOR UNIT
TU	TERMINAL UNIT
UH	UNIT HEATER
WSHP	WATER-SOURCE HEAT PUMP

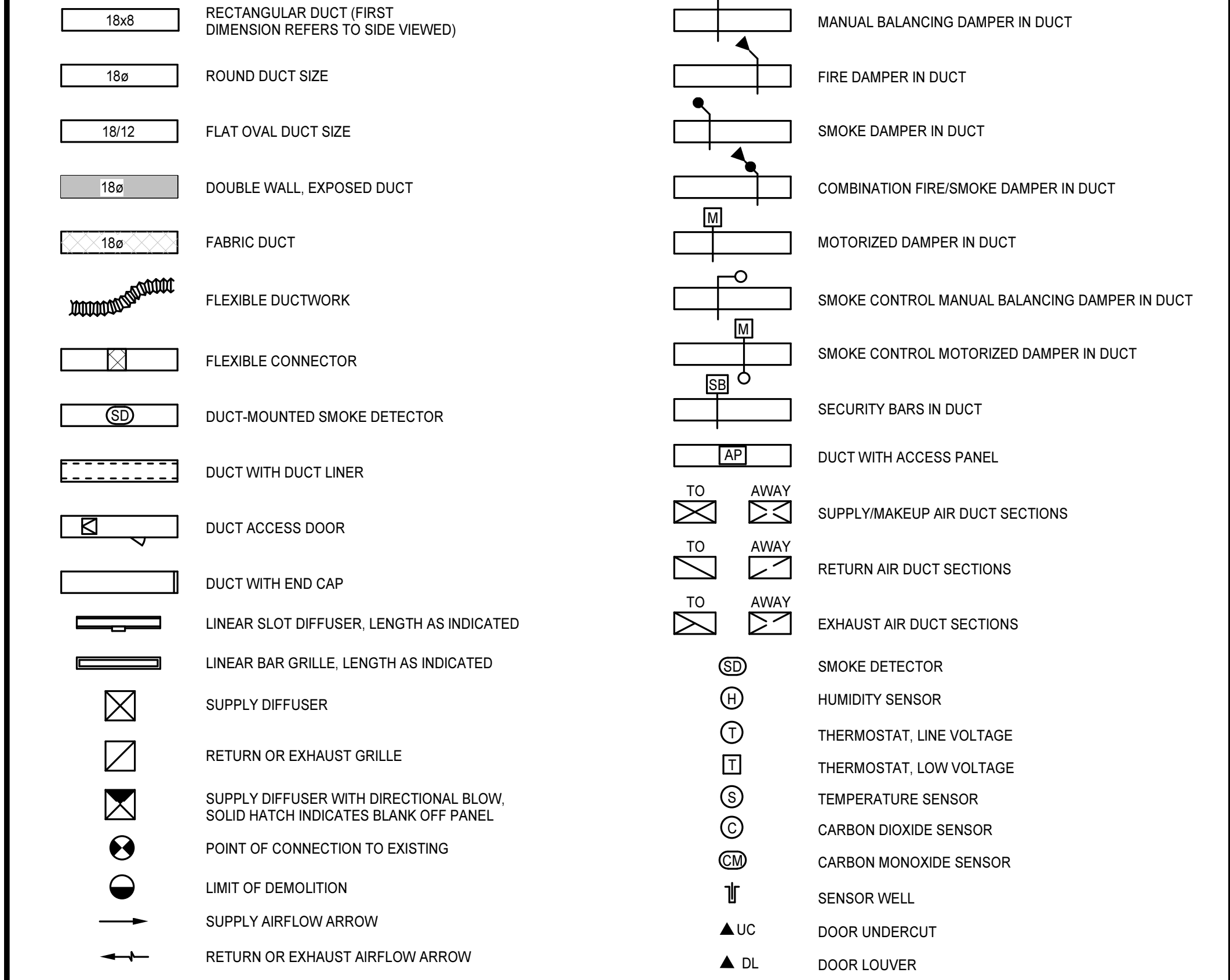
ABBREVIATIONS	
A	AMPERES
AD	ACCESS DOOR
AF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
DHP	DRIVE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
COM	COMMON
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB TEMPERATURE
dBA	A-WEIGHTED DECIBELS
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FPM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
PLV	INTEGRATED PART-LOAD VALVE
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR-OPERATED DAMPER
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PH	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WATT(S)
W	WITH
W/O	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WWM	WELDED WIRE MESH

CONTROLS ABBREVIATIONS	
AF	AIRFLOW
AI	ANALOG INPUT TO CONTROLLER
ALM	ALARM
AMS	AIRFLOW MEASURING STATION
AO	ANALOG OUTPUT FROM CONTROLLER
ATS	AVERAGING TEMPERATURE SENSOR
BAS	BUILDING AUTOMATION SYSTEM
BI	BINARY INPUT TO CONTROLLER
BO	BINARY OUTPUT FROM CONTROLLER
CO2	CARBON DIOXIDE SENSOR
CSR	CURRENT-SENSING RELAY
DM	DAMPER MOTOR
DP	DIFFERENTIAL PRESSURE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FZ	FREEZESTAT
HS	HUMIDITY SENSOR
POS	POSITION
R	RELAY
SD	SMOKE DETECTOR
SPD	SPEED
SS	START/STOP
STS	STATUS
TS	TEMPERATURE SENSOR
VFD	VARIABLE-FREQUENCY DRIVE

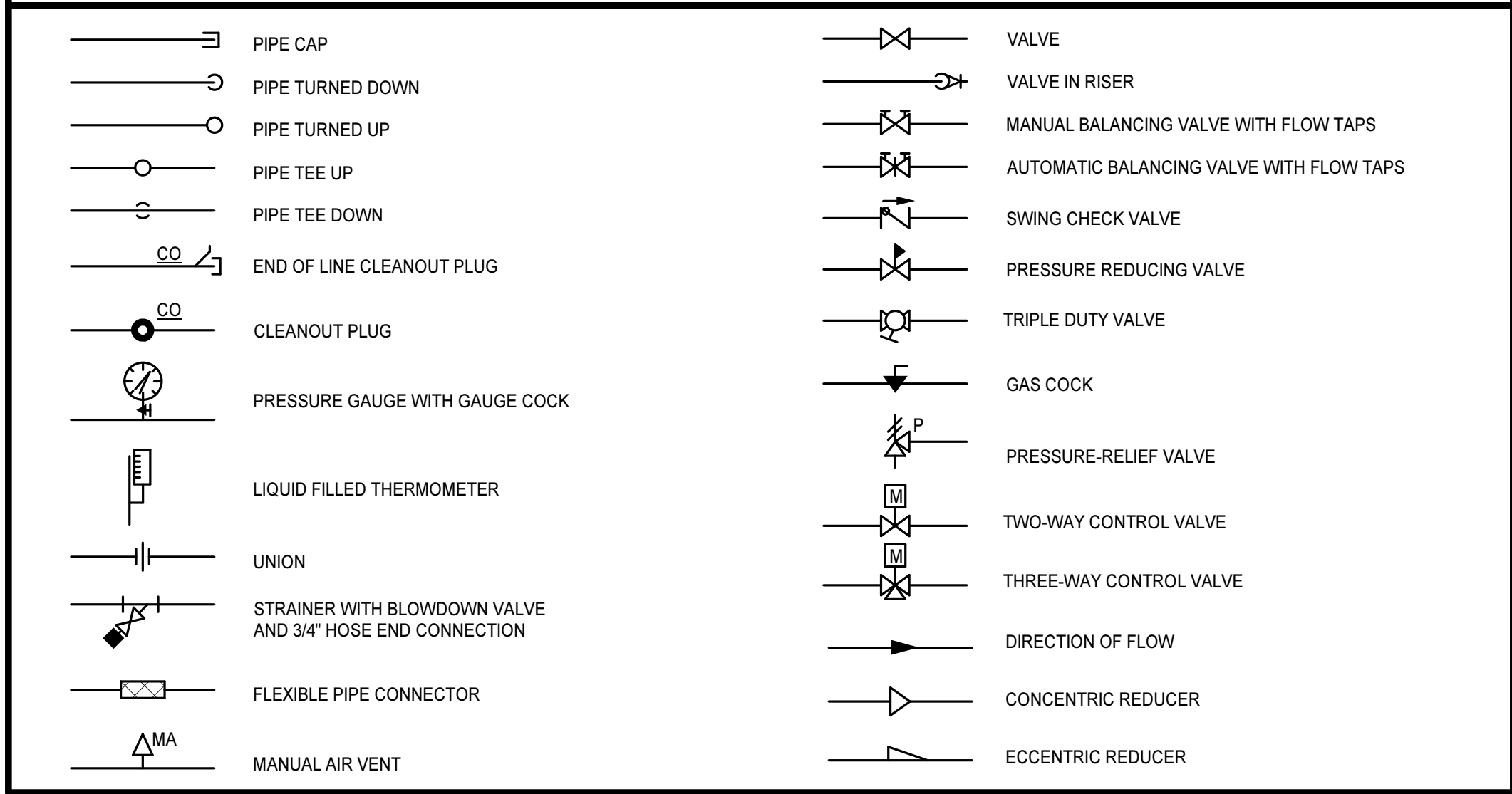
### GRAPHICS SYMBOLS LEGEND



### DUCTWORK LEGEND



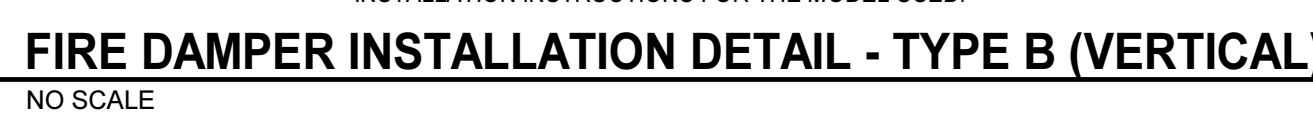
### PIPING LEGEND



### GENERAL NOTES

- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.
- MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE. NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUTS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.
- INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
- PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.
- INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILING AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.
- ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND DIFFUSER OPERATORS SHALL BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REPLACEMENT.
- SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.
- FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
- ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.
- BRANCH PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" DIAMETER UNLESS INDICATED OTHERWISE.
- REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.
- RUNOUT SIZES TO DIFFUSERS OR GRILLES ARE THE SAME AS THE DIFFUSER OR GRILLE NECK SIZE.

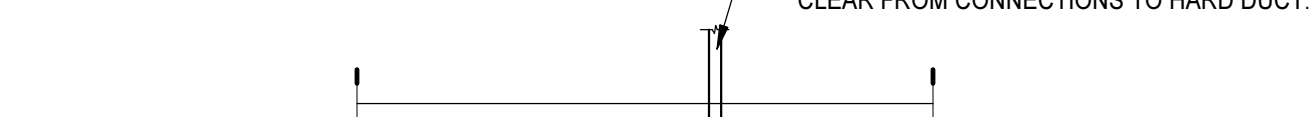
### FIRE DAMPER INSTALLATION DETAIL - TYPE B (VERTICAL)



### COMBINATION FIRE-SMOKE DAMPER INSTALLATION DETAIL



### BRANCH TAKEOFF TO DIFFUSER-BOTTOM



### BRANCH TAKEOFF TO DIFFUSER-SIDE



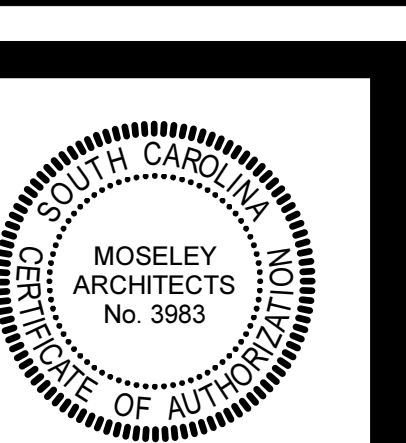
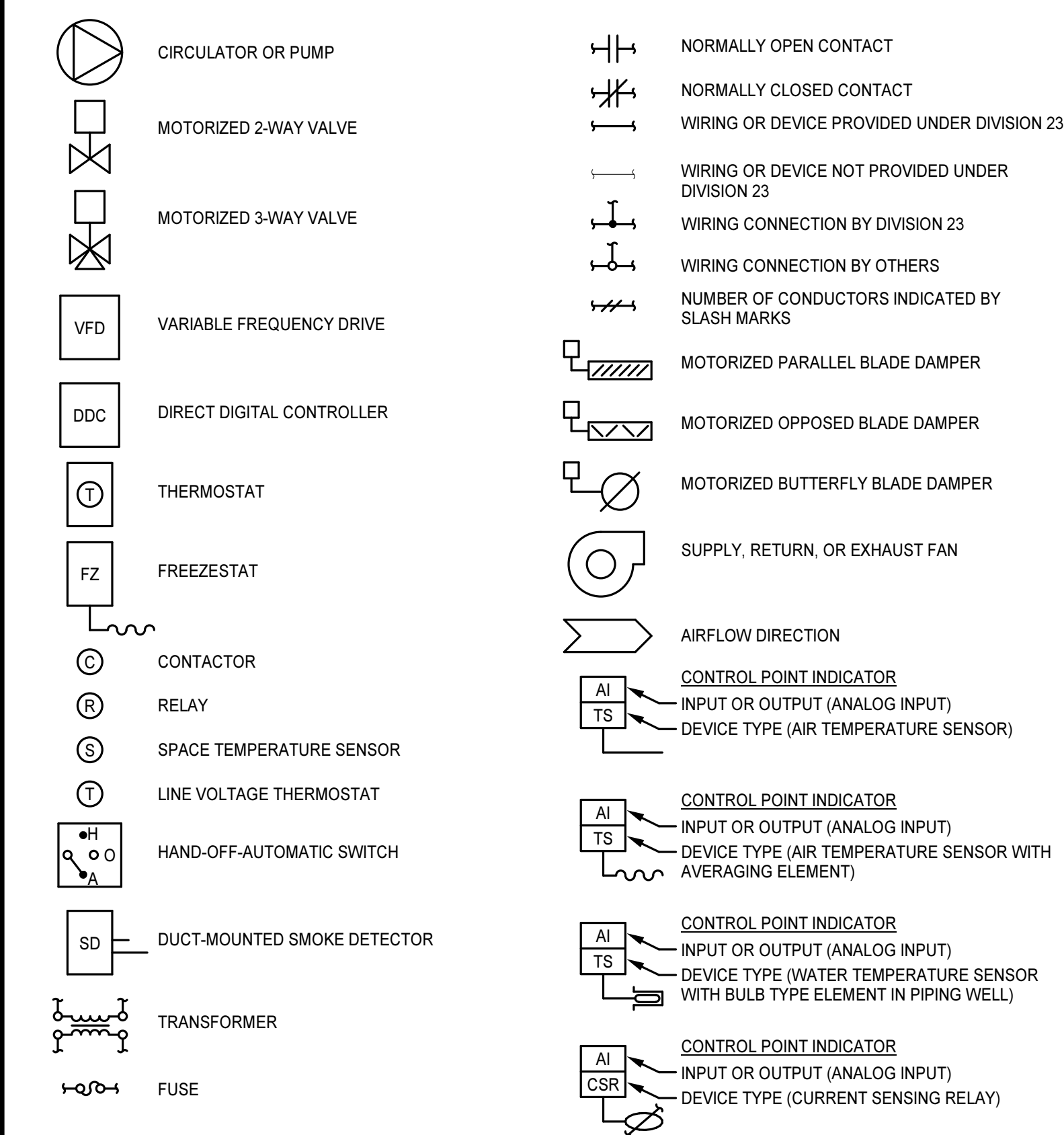
### SUPPLY DIFFUSER CONNECTION LAYIN-COLLAR



### DUCT INSULATION JOINT DETAIL



### CONTROL SYSTEM SYMBOLS

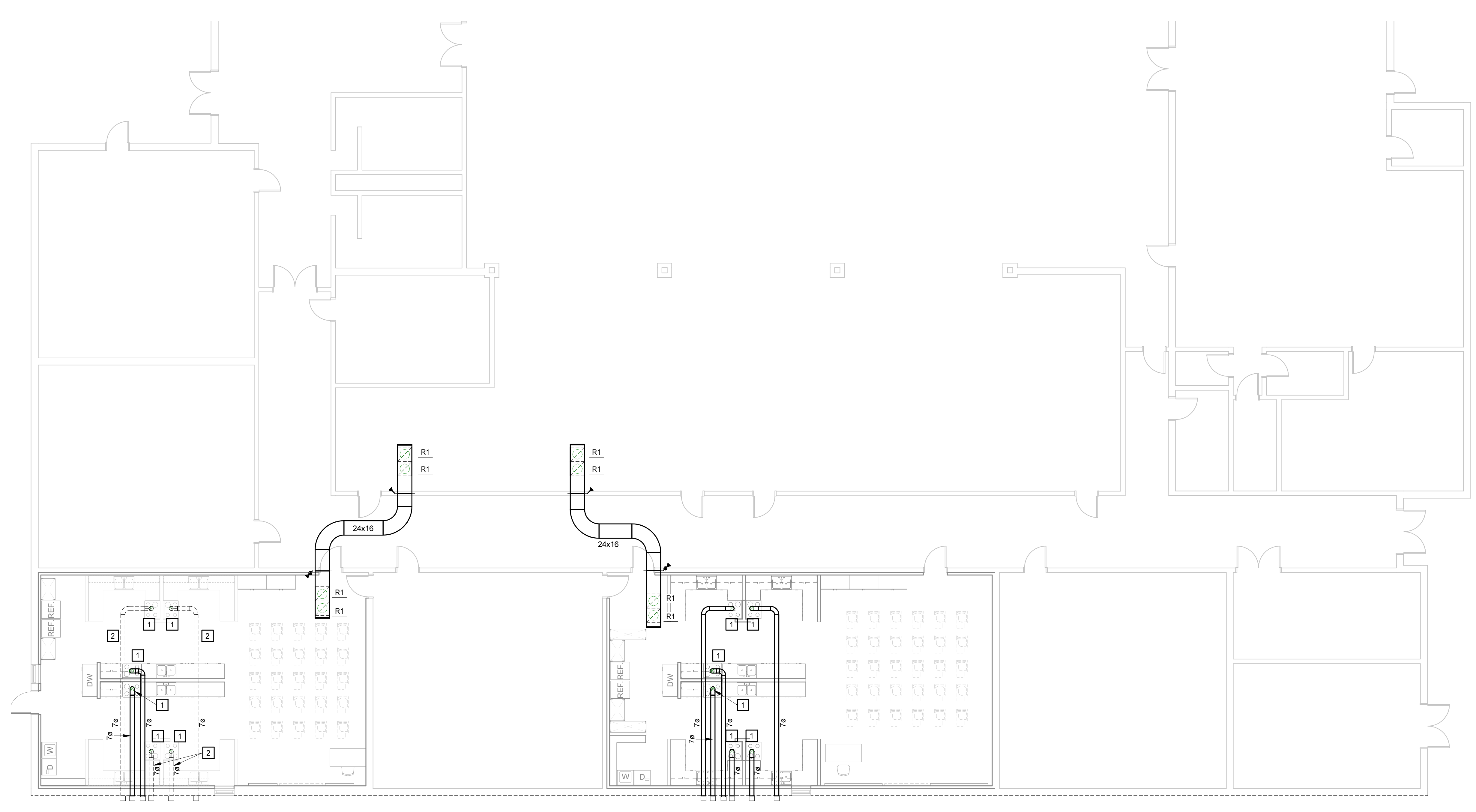


PROJECT NO:	593139
DATE:	MARCH 11, 2020
REVISIONS:	
DATE:	DESCRIPTION:

3/12/2020 10:17:37 AM

J  
I  
H  
G  
F  
E  
D  
C  
B  
A

1 2 3 4 5 6 7 8 9 10

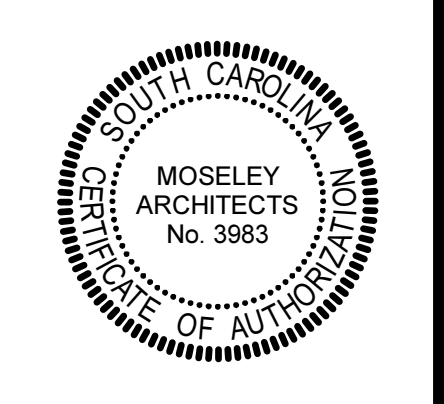


**FIRST FLOOR PLAN - DUCTWORK - ROCK HILL H.S.**  
 1/8" = 1'-0"

**KEYNOTES**  
 APPLIES TO THIS DRAWING  
 REPRESENTED BY [ ]

1. PROVIDE BROAN RANGE HOOD MODEL BCFD1 OR EQUIVALENT BY FRIGIDAIRE OR GE. UNIT TO BE 120V/180, WITH INTEGRAL 300 CFM FAN. PROVIDE GUARDIAN FIRE SUPPRESSION SYSTEM MODEL G5008 WITH HARD WIRED RANGE SHUTOFF. EXTEND EXHAUST DUCT TO THE EXTERIOR AND PROVIDE FAMCO WALL CAP MODEL SDWVG OR EQUIVALENT. COLOR PER ARCHITECT. WALL CAP SIZE TO MATCH EXHAUST DUCT SIZE.
2. HIDDEN LINE DUCTWORK INCLUDING ASSOCIATED WALL CAPS DENOTES DUCT DESIGN FOR FUTURE INSTALLATION.

**MOSELEYARCHITECTS**  
 1320 MAIN STREET, SUITE 300, COLUMBIA, SC 29201  
 PHONE (803) 724-1232  
 MOSELEYARCHITECTS.COM



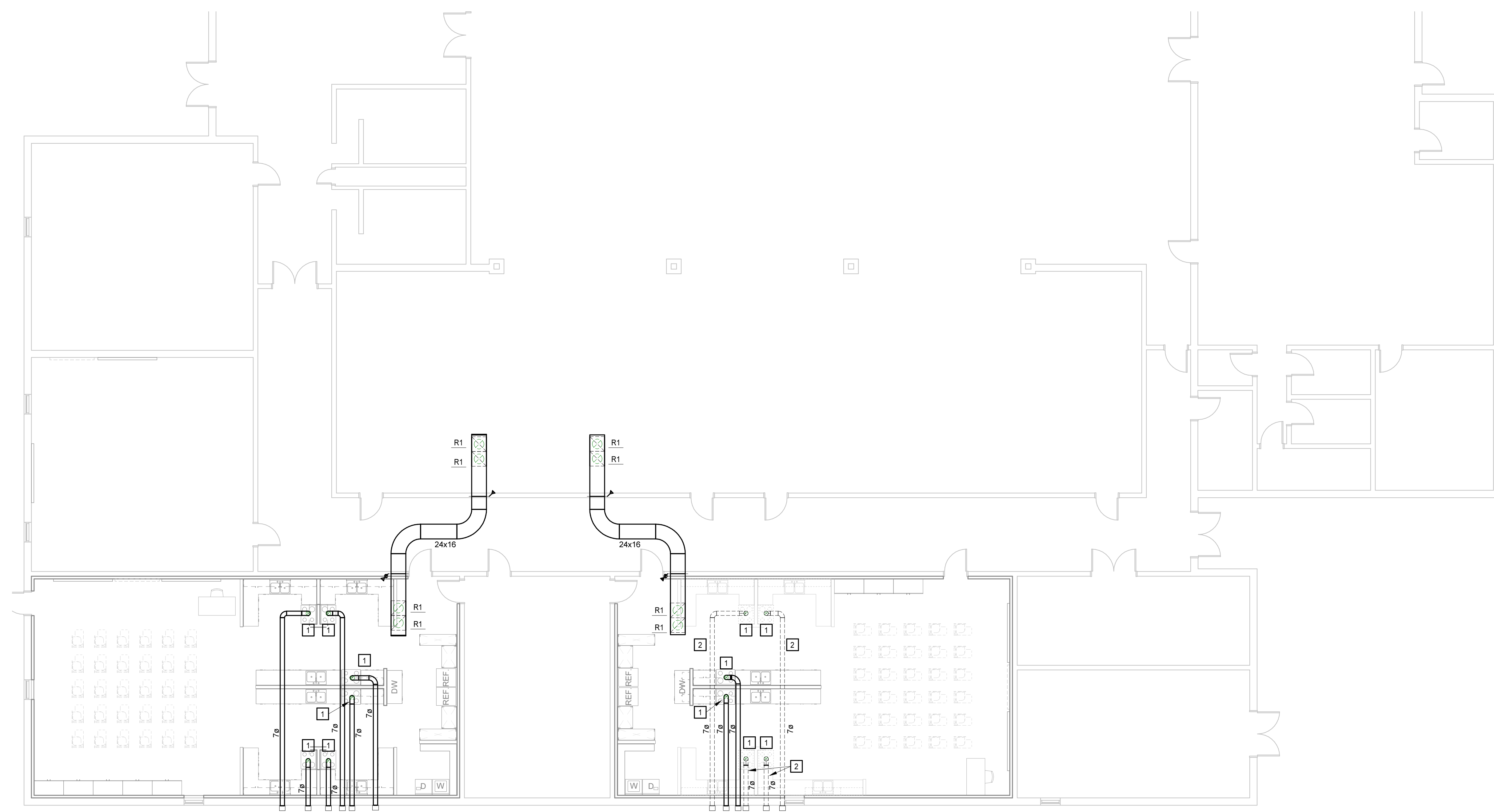
**Rock Hill & Northwestern High Consumer Sciences Renovation**

**ROCK HILL SCHOOLS, DISTRICT THREE**  
 Rock Hill, South Carolina

PROJECT NO:	593139
DATE:	MARCH 11, 2020
REVISIONS	
DATE	DESCRIPTION

**MECHANICAL  
 DUCTWORK - ROCK  
 HILL H.S.**

**M2.1.1**



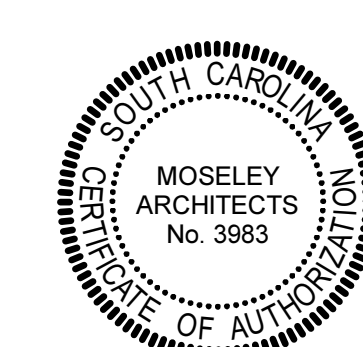
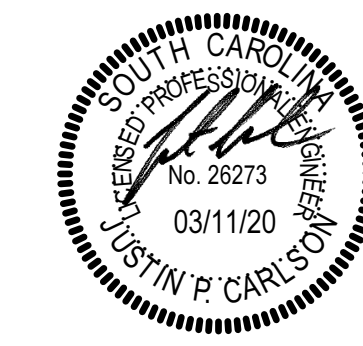
**FIRST FLOOR PLAN - DUCTWORK - NORTHWESTERN H.S.**

1/8" = 1'-0"

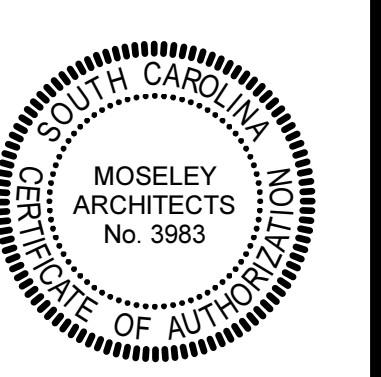
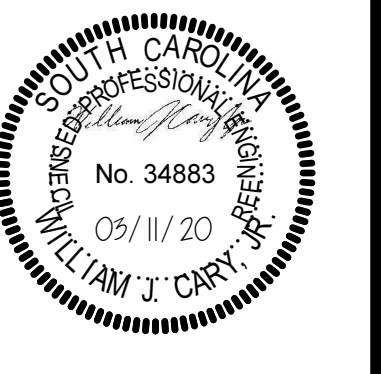
**KEYNOTES**

APPLIES TO THIS DRAWING  
REPRESENTED BY [1]

1. PROVIDE BROAN RANGE HOOD MODEL BCFD1 OR EQUIVALENT BY FRIGIDAIRE OR GE UNIT TO BE 120V/160, WITH INTEGRAL 300 CFM FAN. PROVIDE GUARDIAN FIRE SUPPRESSION SYSTEM MODEL G600B WITH HARD WIRED RANGE SHUTOFF. EXTEND EXHAUST DUCT TO THE EXTERIOR AND PROVIDE FANCO WALL CAP MODEL SDWVG OR EQUIVALENT, COLOR PER ARCHITECT. WALL CAP SIZE TO MATCH EXHAUST DUCT SIZE.
2. HIDDEN LINE DUCTWORK INCLUDING ASSOCIATED WALL CAPS DENOTES DUCT DESIGN FOR FUTURE INSTALLATION.



PROJECT NO:	593139
DATE:	MARCH 11, 2020
REVISIONS	
DATE	DESCRIPTION



PROJECT NO:	593139
DATE:	MARCH 11, 2020

DATE	REVISIONS	DESCRIPTION

GENERAL NOTES

- A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- B. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.
- C. FIELD VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.
- D. EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION.
- E. LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED.
- F. PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT.
- G. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND WRITTEN SCHEDULES ARE NOT ACCEPTABLE.
- H. ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC. COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.
- I. ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE. UNO, THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY. AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.
- J. WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.
- K. ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT.
- L. WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR CODED NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC.
- M. PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS. REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE" IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA.

ABBREVIATIONS

1P	SINGLE PHASE
3P	THREE PHASE
3R	WEATHERPROOF (NEMA 3R)
A	AMPS
AF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION (CABLE)
CB	CIRCUIT BREAKER
CBL	CABLE
CCV	CLOSED CIRCUIT TELEVISION
CCT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CO	COMPANY
COMB	COMBINATION
COMM	COMMUNICATIONS
CU	COPPER
DA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DWG	DRAWING
EBH	ELECTRIC BASEBOARD HEATER
EC	EMPTY CONDUIT
ECSS	EMERGENCY COMMUNICATIONS STATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EPO	EMERGENCY POWER OFF
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAGP	FIRE ALARM GRAPHIC PANEL
FAXP	FIRE ALARM EXTENDER PANEL
FFSCP	FIRE FIGHTER'S SMOKE CONTROL PANEL
FLA	FULL LOAD AMPS
FFMR	FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS
FPND	FUSE PER NAMEPLATE DATA
G	GROUND
GE	GROUND FAULT PROTECTION FOR EQUIPMENT, 5-50mA PER NEC 477.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER)
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GFP	GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED BREAKER)
HKP	HOUSEKEEPING PAD
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	HERTZ
IAW	IN ACCORDANCE WITH
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
KHFSS	KITCHEN HOOD FIRE SUPPRESSION SYSTEM
KHz	KILOHERTZ
KVA	KILOVOLT AMPS
KW	KILOWATTS
KWH	KILOWATT HOURS
L	LOCKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER)
LC	ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTACTOR. REFER TO LC SCHEDULE
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
LTS	LIGHTS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	METAL HALIDE
MHz	MEGAHERTZ
MIN	MINIMUM
ML	MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER)
MLO	MAIN LUG ONLY
MMS	MASS NOTIFICATION SYSTEM
MOSP	MAXIMUM OVER CURRENT PROTECTION
MTD	MOUNTED
N	NEUTRAL
N/C	NORMALLY CLOSED
N/O	NORMALLY OPEN
NO	NUMBER
OCFI	OWNER FURNISHED CONTRACTOR INSTALLED
P	PILOT LIGHT (AT THE SWITCH HANDLE)
PBD	PANELBOARD
PD	PROTECTIVE DEVICE
RCP	RECEPTACLE
REC	RECEPTACLE
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SPEC	SPECIFICATIONS
ST	SHUNT TRIP, 120V COIL (PROVIDE ACCESSORY FOR INDICATED BREAKER)
SW	SWITCH
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TELECOMMUNICATIONS CLOSET
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
W	WITH
WG	WIRE GUARD
WP	WEATHERPROOF
XFER	TRANSFER
XFMR	TRANSFORMER

COMMUNICATIONS LEGEND

- REPLACE WIRING TO RELOCATED DEVICES IN KIND. PROVIDE TWO CAT 6 CABLES AND FACEPLATE TO NEW DEVICES UNLESS OTHERWISE DIRECTED BY THE OWNER.
- SYMBOL DESCRIPTION**
- ▽ TELECOMMUNICATIONS OUTLET, MOUNT AT +3'-0" AFF.
  - ▽ TELECOMMUNICATIONS OUTLET, MOUNT AT +1'-6" AFF.
  - ▽ ACTIVE BOARD INPUT, MOUNT AT +1'-6" AFF.
  - CLASSROOM INTERCOM, MOUNT AT +4'-6" AFF.
  - CALL SWITCH, MOUNT AT +4'-6" AFF.
  - SOUND SYSTEM SPEAKER, RECESS WALL MOUNT AT +7'-6" AFF. 'WG' WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
  - SOUND SYSTEM SPEAKER, RECESS CEILING MOUNT. 'WG' WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
  - WIRELESS ACCESS POINT
  - SMOKE/FIRE DAMPER, CONNECT INTEGRAL SMOKE DETECTOR TO FIRE ALARM SYSTEM

LIGHTING LEGEND

- SYMBOL DESCRIPTION**
- S LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS, MOUNT AT +3'-0" AFF. SUBSCRIPT/SUPERSCRIPT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS:
    - 3 INDICATES 3-WAY LIGHT SWITCH
    - 4 INDICATES 4-WAY LIGHT SWITCH
    - D INDICATES DIMMER SWITCH
    - OS INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR
    - OD INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR
  - LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION
  - OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, CEILING MOUNT.
  - LIGHT FIXTURE, CEILING MOUNT.
  - LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT.
  - LIGHTING FIXTURE.
  - LIGHTING FIXTURE ON EMERGENCY POWER.
  - LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED.
  - EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
  - EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.

DEMOLITION LEGEND

- SYMBOL DESCRIPTION**
- REMOVE DEVICES, EQUIPMENT, IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES.
  - DEVICES ARE EXISTING TO REMAIN.
  - WITHIN HATCHED AREAS, DISCONNECT AND REMOVE ALL ELECTRICAL MATERIALS INCLUDING BUT NOT LIMITED TO LIGHTS, DEVICES, EQUIPMENT, SPEAKERS, FIRE ALARM, COMMUNICATIONS, AND CIRCUITRY.

GENERAL DEMOLITION NOTES

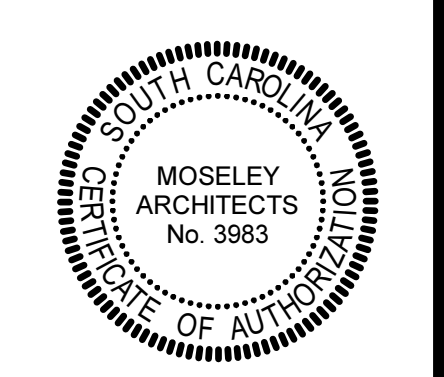
- A. PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE WORK.
- B. REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION, ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.
- C. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.
- D. BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.
- E. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.
- F. DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.
- G. WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.
- H. DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK. IF A REPLACE OUTLET INDICATED ON THE RENOVATION PLANS IS WITHIN 12" OF AN EXISTING WALL BOX AND AT THE SAME HEIGHT, THE EXISTING BOX MAY BE REUSED BUT REPLACE THE WIRING DEVICE IN ANY CASE.

POWER LEGEND

- SYMBOL DESCRIPTION**
- APPLIANCE RECEPTACLE, MOUNT AT +0'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.
  - DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
  - DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-7-1/2" AFF.
  - DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6" AFF.
  - GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE.
  - GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
  - GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-7-1/2" AFF.
  - JUNCTION BOX, CONCEALED ABOVE CEILING, UNO.
  - MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH 'ON' INDICATOR PILOT LIGHT. FLUSH MOUNT WHHANDLE AT +3'-0" AFF, UNO.
  - DISCONNECT SWITCH, FUSIBLE OR NON-FUSIBLE AS INDICATED. MOUNT WHHANDLE AT +4'-6" AFF, UNO.
  - MAGNETIC MOTOR STARTER, WITH OVERLOAD RELAYS AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS. MOUNT WHHANDLE AT +4'-6" AFF, UNO.
  - COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH, WITH OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS. MOUNT WHHANDLE AT +4'-6" AFF, UNO.
  - EQUIPMENT POWER CONNECTION.
  - HOOD POWER CONNECTION.
  - MOTOR CONNECTION.
  - BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB.
  - BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.
  - PANELBOARD.

FIRE ALARM LEGEND

- SYMBOL DESCRIPTION**
- FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, MOUNT AT 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
  - FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
  - FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
  - FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
  - FIRE ALARM MANUAL PULL STATION, MOUNT AT +3'-10" AFF.
  - SMOKE DETECTOR, CEILING MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.
  - HEAT DETECTOR, CEILING MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.
  - FIRE ALARM MONITOR MODULE. NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS.
  - FIRE ALARM CONTROL MODULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS.



PROJECT NO:	593139
DATE:	MARCH 11, 2020
REVISIONS:	
DATE:	DESCRIPTION

### COPPER FEEDER SCHEDULE

FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THWN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
30	1	3#10.#10 G	3/4"
35	1	3#8.#10 G	3/4"
40	1	3#8.#10 G	3/4"
45	1	3#6.#10 G	1"
50	1	3#6.#10 G	1"
60	1	3#4.#10 G	1"
70	1	3#4.#8 G	1 1/4"
80	1	3#3.#8 G	1 1/4"
90	1	3#2.#8 G	1 1/4"
100	1	3#1.#8 G	1 1/4"
110	1	3#2.#6 G	1 1/2"
125	1	3#1.#6 G	1 1/2"
150	1	3#10.#6 G	2"
175	1	3#20.#6 G	2"
200	1	3#30.#6 G	2"
225	1	3#40.#4 G	2 1/2"
250	1	3-250KCM.#4 G	2 1/2"

NOTES:  
 1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.  
 2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.  
 3. SIZES ADJUSTED PER NEC 110.14.

### EXISTING PANELBOARD HE2

LOCATION: CLASSROOM B103 FED FROM: 100 AMP MLO  
 120/208 Wye 3 PH 4 W MOUNT: RECESSED PANEL ASSEMBLY RATED (KAIC), EX

CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT	
1	20 A	1	DISHWASHER	1.0	1.0					2	
3	20 A	1	REC - CLASSROOM		0.5	1.0				4	
5	20 A	1	REC-HOOD - KITCHEN			1.2	1.0			6	
7	20 A	1	WASHER	1.5	1.2					8	
9	20 A	1	REFRIGERATOR		0.2	1.2				10	
11	20 A	1	REFRIGERATOR			0.2	1.8			12	
13	50 A	2	RANGE	4.0	1.8					14	
15					4.0	4.0				16	
17	20 A	1	REC-HOOD - KITCHEN			1.2	4.0			18	
				10 kVA	11 kVA	9 kVA					
				88 A	92 A	78 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER 2008 NEC 427.22. DED. NEUTRAL. ALL BREAKER ARE EXISTING UNO  
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-8mA PER 2008 NEC 210.8. DED. NEUTRAL. (RB) = REPLACE BREAKER WITH SIZE INDICATED  
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING (PB) = PROVIDE BREAKER IN EXISTING SPACE  
 (LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X (XX) = ACTUAL BREAKER TAG AS MARKED IN PANEL...

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
INTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 30.7 kVA Total Est. Demand: 30.7 kVA Total Conn. Current: 85 A Total Est. Demand... 85 A	
EXTERIOR LIGHTING	0 VA	0.00%	0 VA		
RECEPTACLES	4840 VA	100.00%	4840 VA		
A/C / HEAT PUMP	0 VA	0.00%	0 VA		
ELECTRIC HEAT	0 VA	0.00%	0 VA		
KITCHEN	0 VA	0.00%	0 VA		
MISCELLANEOUS	20500 VA	100.00%	20500 VA		

### EXISTING PANELBOARD HE1

LOCATION: CLASSROOM B106 FED FROM: 225 AMP MLO (WESTINGHOUSE) 120/208 Wye 3 PH 4 W MOUNT: RECESSED PANEL ASSEMBLY RATED (KAIC), EX

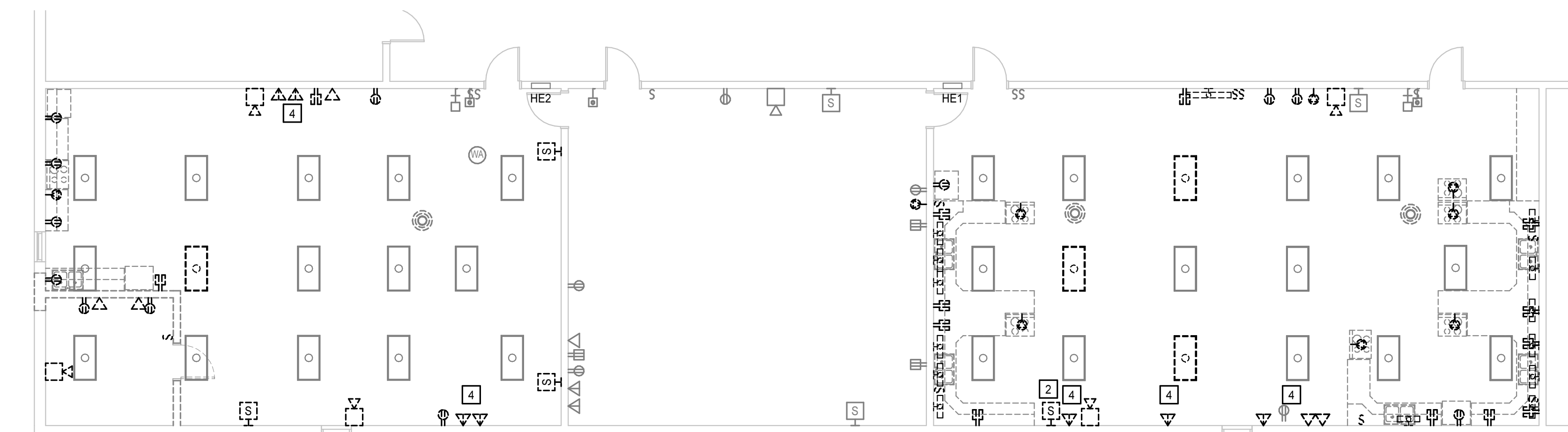
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT	
1	20 A	1	REC-HOOD - KITCHEN	1.1	1.1					2	
3	20 A	1	REC-HOOD - KITCHEN		0.6	1.0				4	
5	20 A	1	REC-HOOD - KITCHEN			1.4	0.5			6	
7	20 A	1	REC-ACTIVEBOARD	0.4	0.6					8	
9	20 A	1	REC-CLASSROOM		0.4	0.2				10	
11	20 A	1	REFRIGERATOR			0.2	1.5			12	
13	60 A	2	RANGE [13]	4.0	4.0					14	
15					4.0	4.0				16	
17	60 A	2	RANGE [15]	4.0	4.0					18	
21	60 A	2	RANGE [17]		4.0	1.8				22	
23						4.0	1.8			24	
25	50 A	2	RANGE [19]	4.0	0.0					26	
27					4.0	0.0				28	
29	20 A	1	EX LOAD [21]			0.6	0.6			30	
31	20 A	1	EX LOAD [23]	0.8	0.9					32	
33	20 A	1	EX LOAD [25]			0.7	0.2			34	
35			SPACE ONLY			0.0	0.0			36	
				25 kVA	21 kVA	19 kVA					
				209 A	176 A	154 A					

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER 2008 NEC 427.22. DED. NEUTRAL. ALL BREAKER ARE EXISTING UNO  
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-8mA PER 2008 NEC 210.8. DED. NEUTRAL. (RB) = REPLACE BREAKER WITH SIZE INDICATED  
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING (PB) = PROVIDE BREAKER IN EXISTING SPACE  
 (LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X (XX) = ACTUAL BREAKER TAG AS MARKED IN PANEL...

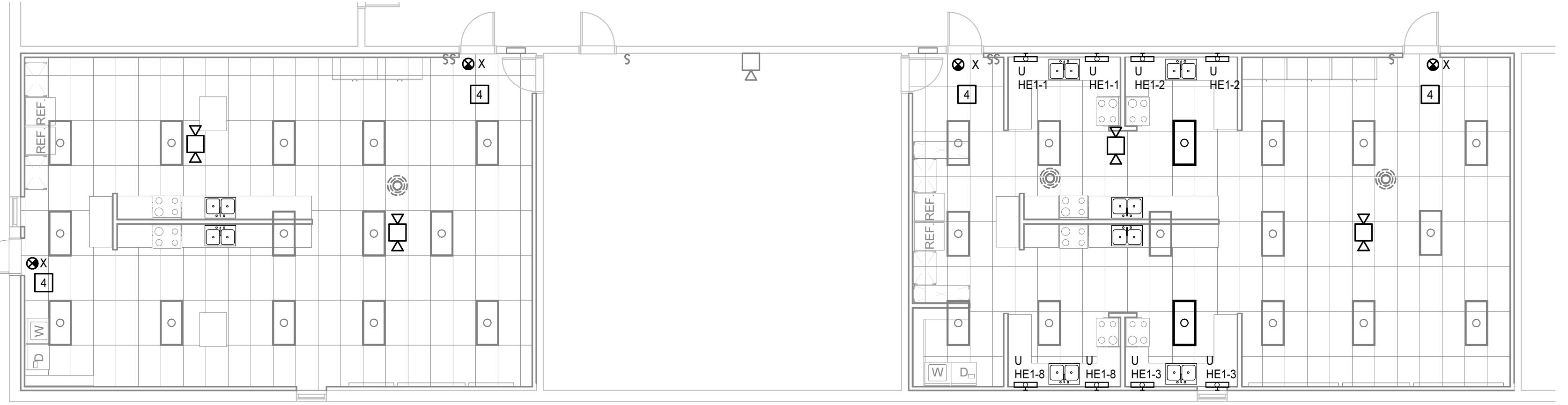
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
INTERIOR LIGHTING	60 VA	125.00%	100 VA	Total Conn. Load: 64.0 kVA Total Est. Demand: 64.1 kVA Total Conn. Current: 178 A Total Est. Demand... 178 A	
EXTERIOR LIGHTING	0 VA	0.00%	0 VA		
RECEPTACLES	6360 VA	100.00%	6360 VA		
A/C / HEAT PUMP	0 VA	0.00%	0 VA		
ELECTRIC HEAT	0 VA	0.00%	0 VA		
KITCHEN	0 VA	0.00%	0 VA		
MISCELLANEOUS	53500 VA	100.00%	53500 VA		

### LIGHT FIXTURE SCHEDULE

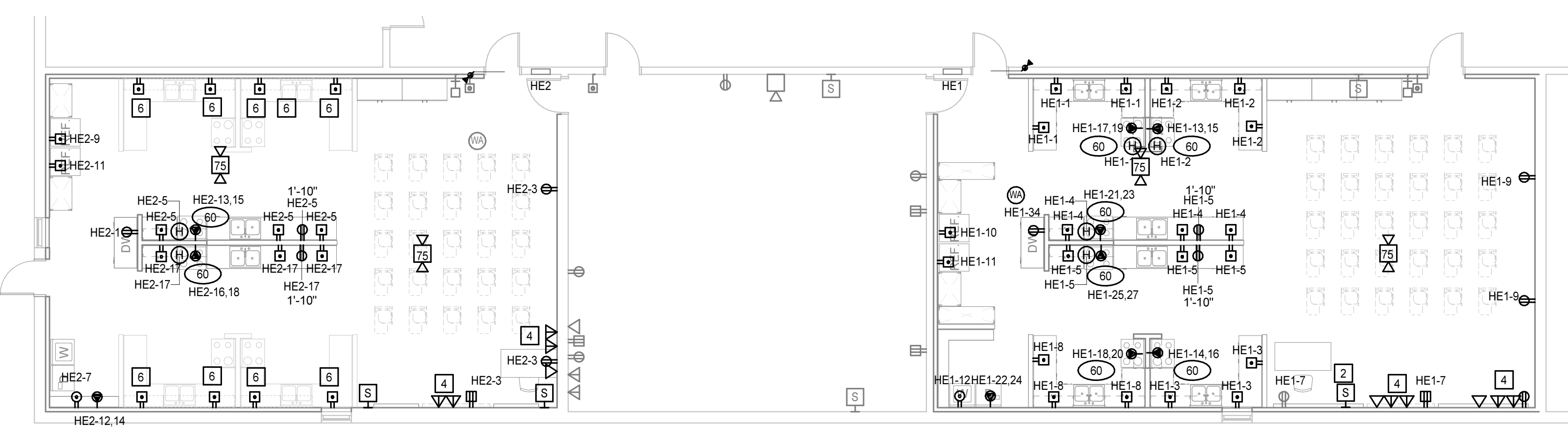
TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	VOLTAGE	WATTAGE	LUMENS	LAMP TYPE	COLOR TEMP.	MOUNTING	OPTIONS	COMMENTS
U	UNDERCOUNTER FIXTURE	LITHONIA	UCEL	120 V	10	740 lm	LED	3000 K	UNDERCOUNTER	ROCKER SWITCH	
X	EXIT FIXTURE	LITHONIA	LES	277 V	5		LED		UNIVERSAL		



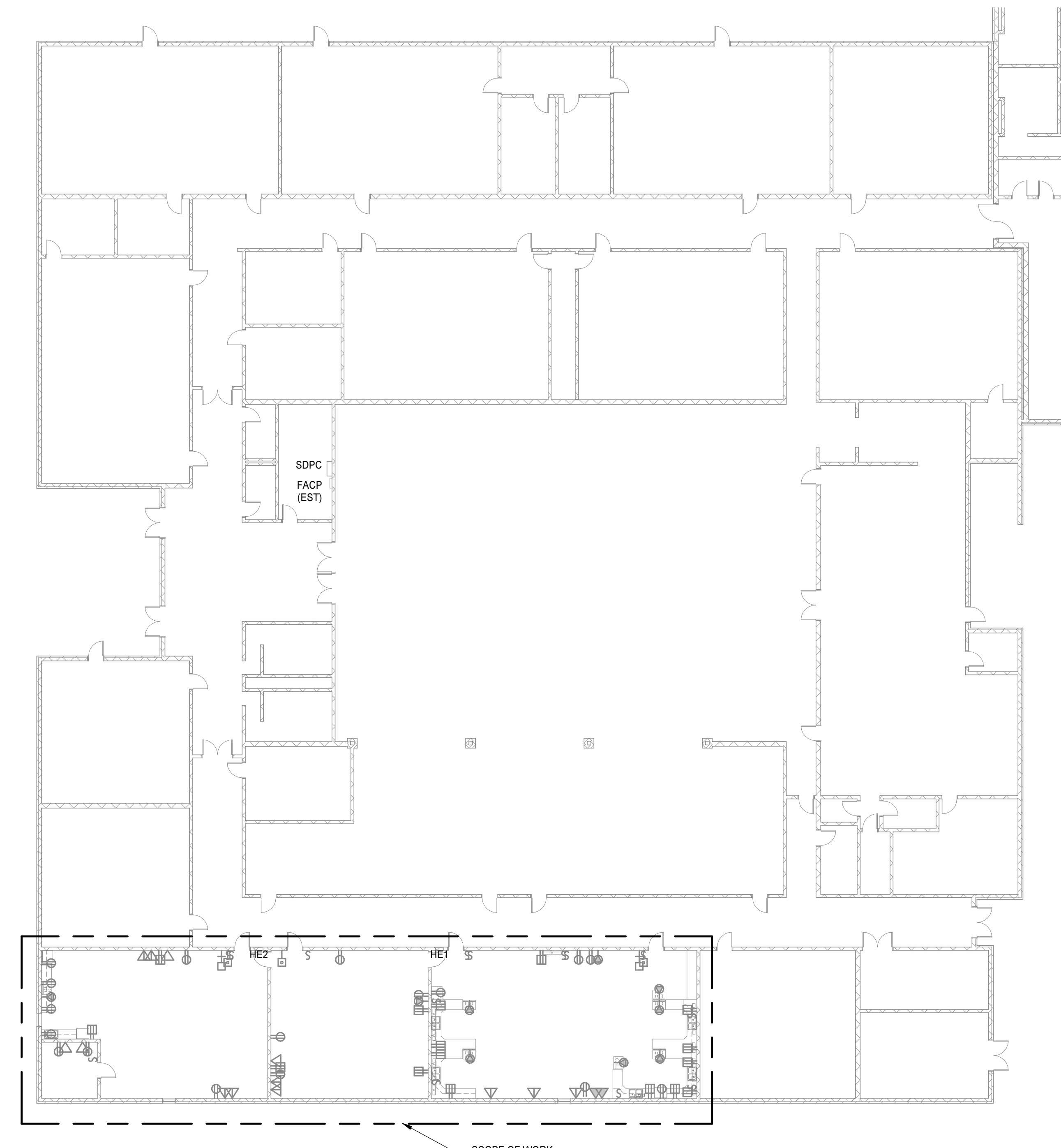
**FLOOR PLAN - RHHS - ELECTRICAL DEMOLITION**  
 1/8" = 1'-0"



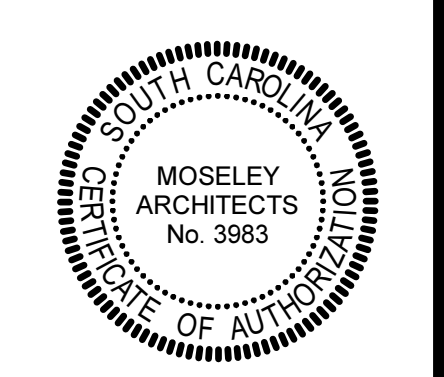
**FLOOR PLAN - RHHS - LIGHTING**  
 1/8" = 1'-0"



**FLOOR PLAN - RHHS - ELECTRICAL**  
 1/8" = 1'-0"



**OVERALL PLAN - RHHS**  
 1/16" = 1'-0"



PROJECT NO:	593139
DATE:	MARCH 11, 2020
REVISIONS:	
DATE:	
DESCRIPTION:	

### COPPER FEEDER SCHEDULE

FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE	FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
30	1	3#10.#10 G	3/4"	30Y	1	4#10.#10 G	3/4"
35	1	3#8.#10 G	3/4"	35Y	1	4#8.#10 G	3/4"
40	1	3#8.#10 G	3/4"	40Y	1	4#8.#10 G	3/4"
45	1	3#8.#10 G	1"	45Y	1	4#8.#10 G	1"
50	1	3#8.#10 G	1"	50Y	1	4#8.#10 G	1"
60	1	3#4.#10 G	1"	60Y	1	4#4.#10 G	1"
70	1	3#4.#6 G	1 1/4"	70Y	1	4#4.#6 G	1 1/4"
80	1	3#3.#6 G	1 1/4"	80Y	1	4#3.#6 G	1 1/4"
90	1	3#2.#6 G	1 1/4"	90Y	1	4#2.#6 G	1 1/4"
100	1	3#1.#6 G	1 1/4"	100Y	1	4#1.#6 G	1 1/4"
110	1	3#2.#6 G	1 1/2"	110Y	1	4#2.#6 G	1 1/2"
125	1	3#1.#6 G	1 1/2"	125Y	1	4#1.#6 G	1 1/2"
150	1	3#10.#6 G	2"	150Y	1	4#10.#6 G	2"
175	1	3#20.#6 G	2"	175Y	1	4#20.#6 G	2"
200	1	3#30.#6 G	2"	200Y	1	4#30.#6 G	2"
225	1	3#40.#4 G	2 1/2"	225Y	1	4#40.#4 G	2 1/2"
250	1	3-250CM.#4 G	2 1/2"	250Y	1	4-250CM.#4 G	2 1/2"

NOTES:  
 1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.  
 2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.  
 3. SIZES ADJUSTED PER NEC 110.14.

### EXISTING PANELBOARD HE1

LOCATION: CLASSROOM C103  
 225 AMP MLO (ITE) 120/208 Wye 3 PH 4 W MOUNT: RECESSED PANEL ASSEMBLY RATED (KAIC): EX FED FROM:

CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	EX SEWING	0.0	1.1		RECHHOOD - KITCHEN	1	20 A	2
3	20 A	1	EX SEWING		0.0	0.2	DISWASHER	1	20 A	4
5	20 A	1	RECHHOOD - KITCHEN			1.2	RECHHOOD - KITCHEN	1	20 A	6
7	20 A	1	EX REC CLASSROOM	0.0	1.1		RECHHOOD - KITCHEN	1	20 A	8
9	20 A	1	EX REC CLASSROOM		0.0	0.2	REFRIGERATOR	1	20 A	10
11	20 A	1	REFRIGERATOR			0.2	WASHER	1	20 A	12
13	60 A	2	RANGE [13]	4.0	4.0		RANGE [14]	2	60 A	14
15	60 A	2	RANGE [15]		4.0	4.0	RANGE [16] (RB)	2	60 A	16
17	60 A	2	RANGE [15]	4.0	4.0		DRYER [18,20]	2	60 A	18
19	60 A	2	RANGE [17,19]		4.0	1.8		2	30 A	20
21	60 A	2	RANGE [17,19]				EX LOAD [22]	1	20 A	22
23	20 A	1	EXH FAN [21]	0.0	0.0		RANGE [24]	2	50 A	24
25	20 A	1	RECHHOOD - KITCHEN [23]		1.1	4.0				28
27	20 A	1	RECHHOOD - KITCHEN [23]			1.1	4.0			30
29	20 A	1	RECHHOOD - KITCHEN [25] (PB)							

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER 2008 NEC 427.22. DED. NEUTRAL. ALL BREAKER ARE EXISTING UNO  
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-5mA PER 2008 NEC 210.8. DED. NEUTRAL. (RB) = REPLACE BREAKER WITH SIZE INDICATED  
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING. (PB) = PROVIDE BREAKER IN EXISTING SPACE  
 (LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X. (XX) = ACTUAL BREAKER TAG AS MARKED IN PANEL...

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	80 VA	125.00%	100 VA	Total Conn. Load: 60.2 kVA Total Est. Demand: 60.2 kVA Total Conn. Current: 167 A Total Est. Demand... 167 A
EXTERIOR LIGHTING	0 VA	0.00%	0 VA	
RECEPTACLES	5640 VA	100.00%	5640 VA	
AC / HEAT PUMP	0 VA	0.00%	0 VA	
ELECTRIC HEAT	0 VA	0.00%	0 VA	
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	54500 VA	100.00%	54500 VA	

### EXISTING PANELBOARD HE2

LOCATION: CLASSROOM C104  
 225 AMP MLO (ITE) 120/208 Wye 3 PH 4 W MOUNT: RECESSED PANEL ASSEMBLY RATED (KAIC): EX FED FROM:

CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	EX SEWING	1.0	0.9		RECHHOOD - KITCHEN	1	20 A	2
3	20 A	1	EX SEWING		0.0	0.2	DISWASHER	1	20 A	4
5	20 A	1	RECHHOOD - KITCHEN			0.7	RECHHOOD - KITCHEN	1	20 A	6
7	20 A	1	REC CLASSROOM	0.4	0.9		RECHHOOD - KITCHEN	1	20 A	8
9	20 A	1	EX REC CLASSROOM		0.4	0.2	REFRIGERATOR	1	20 A	10
11	20 A	1	REFRIGERATOR			0.2	WASHER	1	20 A	12
13	60 A	2	RANGE [13]	2.5	2.5		RANGE [14]	2	60 A	14
15	60 A	2	RANGE [15]		2.5	2.5	RANGE [16] (RB)	2	60 A	16
17	60 A	2	RANGE [15]	2.5	2.5		DRYER [18,20]	2	30 A	18
19	60 A	2	RANGE [17,19]		4.0	1.8		2	30 A	20
21	60 A	2	RANGE [17,19]				EX LOAD [20]	1	20 A	22
23	20 A	1	RECHHOOD - KITCHEN [21]	0.9	0.0		RANGE [24]	2	50 A	24
25	20 A	1	RECHHOOD - KITCHEN [23]		0.9	4.0				28
27	20 A	1	RECHHOOD - KITCHEN [23]			0.0	4.0			30
29	20 A	1	EX LOAD [25]							

(GE) = PROVIDE GFCI BREAKER FOR EQUIPMENT, 6-50mA PER 2008 NEC 427.22. DED. NEUTRAL. ALL BREAKER ARE EXISTING UNO  
 (GP) = PROVIDE GFCI BREAKER FOR PERSONNEL, 4-5mA PER 2008 NEC 210.8. DED. NEUTRAL. (RB) = REPLACE BREAKER WITH SIZE INDICATED  
 (L) = PROVIDE LOCKOUT BREAKER TO PREVENT UNAUTHORIZED SWITCHING. (PB) = PROVIDE BREAKER IN EXISTING SPACE  
 (LC) = ROUTE TO LOAD VIA LIGHTING CONTACTOR, REF DETAIL ON DWG E4.X. (XX) = ACTUAL BREAKER TAG AS MARKED IN PANEL...

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
INTERIOR LIGHTING	0 VA	0.00%	0 VA	Total Conn. Load: 48.1 kVA Total Est. Demand: 48.1 kVA Total Conn. Current: 134 A Total Est. Demand... 134 A
EXTERIOR LIGHTING	0 VA	0.00%	0 VA	
RECEPTACLES	5640 VA	100.00%	5640 VA	
AC / HEAT PUMP	0 VA	0.00%	0 VA	
ELECTRIC HEAT	0 VA	0.00%	0 VA	
KITCHEN	0 VA	0.00%	0 VA	
MISCELLANEOUS	41500 VA	100.00%	41500 VA	

### KEYNOTES

APPLIES TO ELECTRICAL DRAWING REPRESENTED BY [ ]

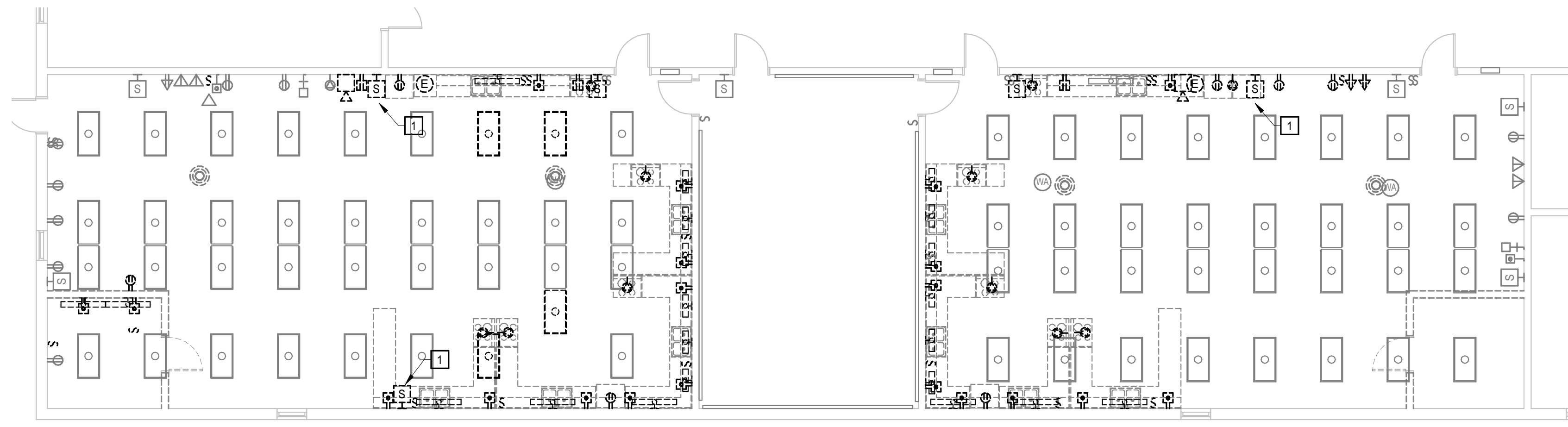
- DEVICE INDICATED IS TO BE RELOCATED. PROVIDE LABOR AND MATERIAL TO RECONNECT TO EXISTING SOURCE.
- CIRCUIT EXIT SIGN TO LOCAL LIGHTING CIRCUIT.
- PROVIDE JB ABOVE CEILING WITH BLANK PLATE FOR FUTURE RANGE.
- RELOCATE EXISTING SMARTBOARD AND TEACHER STATION COMMUNICATION AND POWER AS INDICATED. PROVIDE ADDITIONAL WIRING AND RE-ILL COMMUNICATION CABLES AS NEEDED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- REWORK NEW OUTLET TO EXISTING CLASSROOM RECEPTACLE CIRCUIT.
- DEVICE INDICATED IS FOR FUTURE KITCHEN EQUIPMENT. DO NOT PROVIDE CONDUCTOR AND WIRING DEVICE AT THIS LOCATION. PROVIDE BOX, CONDUIT, PULL STRING AND BLANK COVER.

### GENERAL NOTES

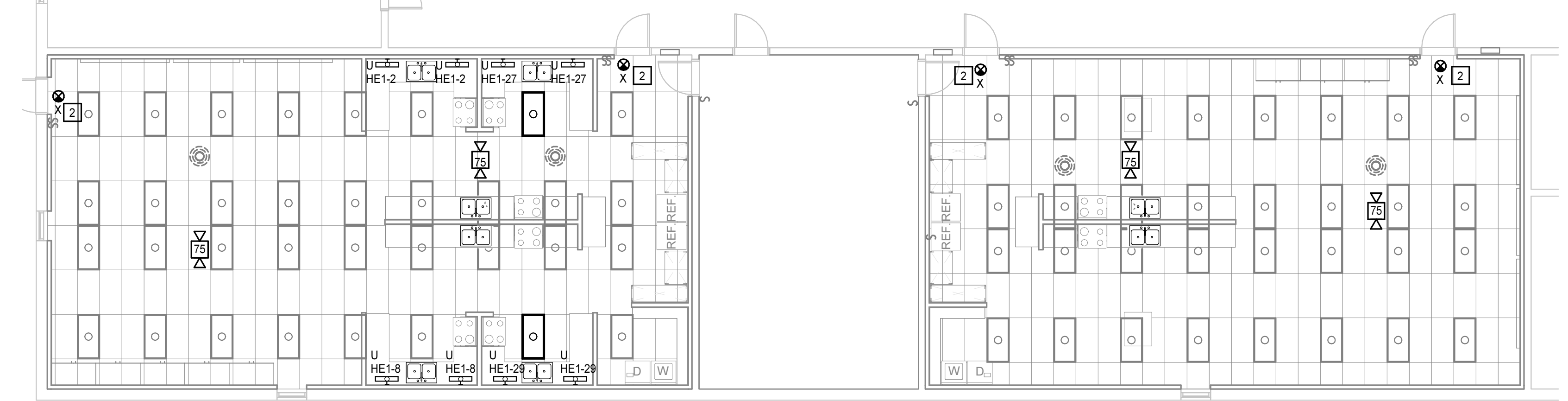
- PROVIDE EXTENSION BOXES ON ALL EXISTING TO REMAIN WALL MOUNTED WIRING DEVICES AND SWITCHES TO EXTEND TO THE FACE OF THE FURRED WALL.
- AS PART OF ALTERNATE #1, PROVIDE A RETROFIT KIT TO CONVERT THE EXISTING 2X4 LENSED FLUORESCENT FIXTURES TO A 4000 LUMEN, 4000K SMOOTH CENTER BASKET LED FIXTURE. PHILIPS EVOKIT Z44 42L 31W 840 2.0-10.7 G4 SM OR EQUAL. FIELD VERIFY THE FIXTURES ON THE EMERGENCY CIRCUIT AND RECONNECT. IF ALTERNATE IS NOT ACCEPTED, REWORK EXISTING LIGHTING FIXTURES TO LOCATIONS INDICATED.
- FOR GFCI OUTLETS ON THE SAME CIRCUIT, CONTRACTOR MAY SUPPLY A SINGLE GFCI OUTLET AND PROVIDE THE DOWNSTREAM OUTLETS FOR THE LOAD SIDE. PROVIDE MARKING FOR ALL OUTLETS THAT ARE GFI PROTECTED.
- PROVIDE INTERFACE WIRING BETWEEN HOOD AND POWER DISCONNECT DEVICE (PROVIDED WITH HOOD) TO DE-ENERGIZE RANGE ON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM AND TO THE FIRE ALARM PANEL TO INITIATE A GENERAL ALARM IN THE FIRE ALARM ZONE.

### LIGHT FIXTURE SCHEDULE

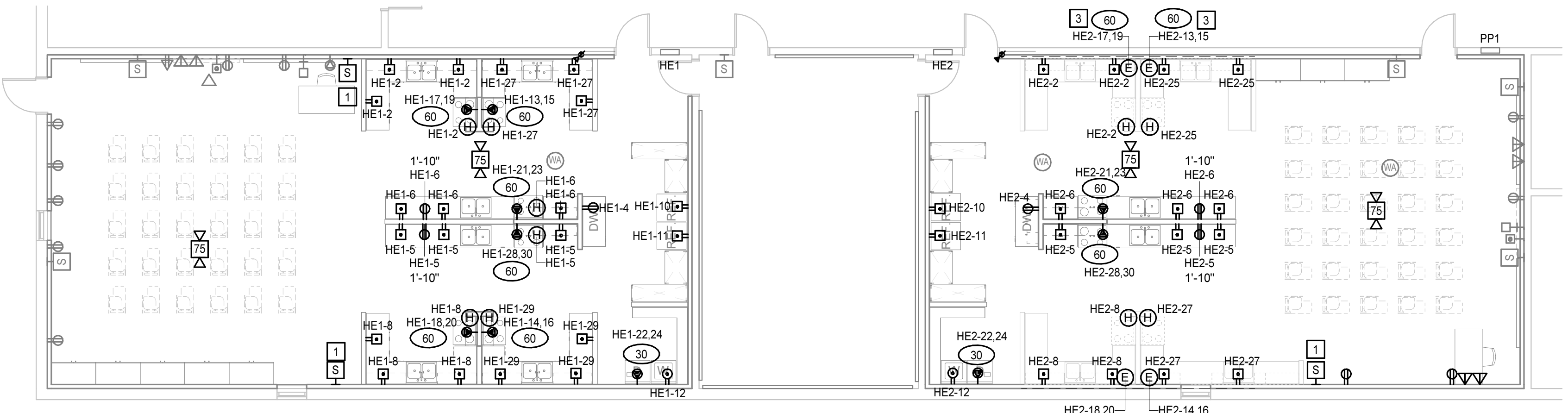
TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	VOLTAGE	WATTAGE	LUMENS	LAMP	COLOR TEMP.	MOUNTING	OPTIONS	COMMENTS
U	UNDERCOUNTER FIXTURE	LITHONIA	UCEL	120 V	10	740 lm	LED	3000 K	UNDERCOUNTER	ROCKER SWITCH	
X	EXIT FIXTURE	LITHONIA	LES	277 V	5		LED		UNIVERSAL		



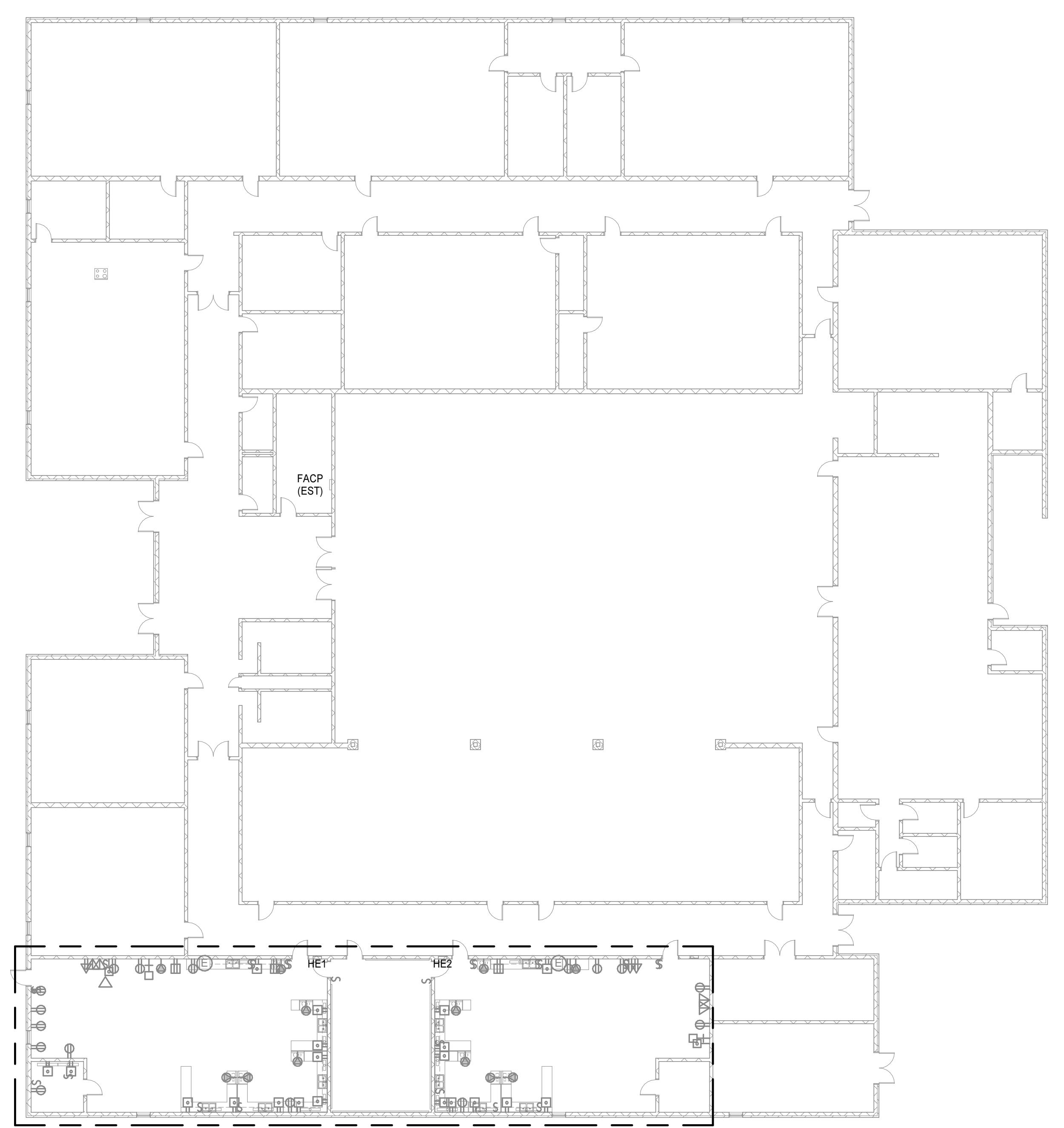
**FLOOR PLAN - NWHS - ELECTRICAL DEMOLITION**  
 1/8" = 1'-0"



**FLOOR PLAN - NWHS - LIGHTING**  
 1/8" = 1'-0"



**FLOOR PLAN - NWHS - ELECTRICAL**  
 1/8" = 1'-0"



**OVERALL PLAN - NWHS**  
 1/16" = 1'-0"