

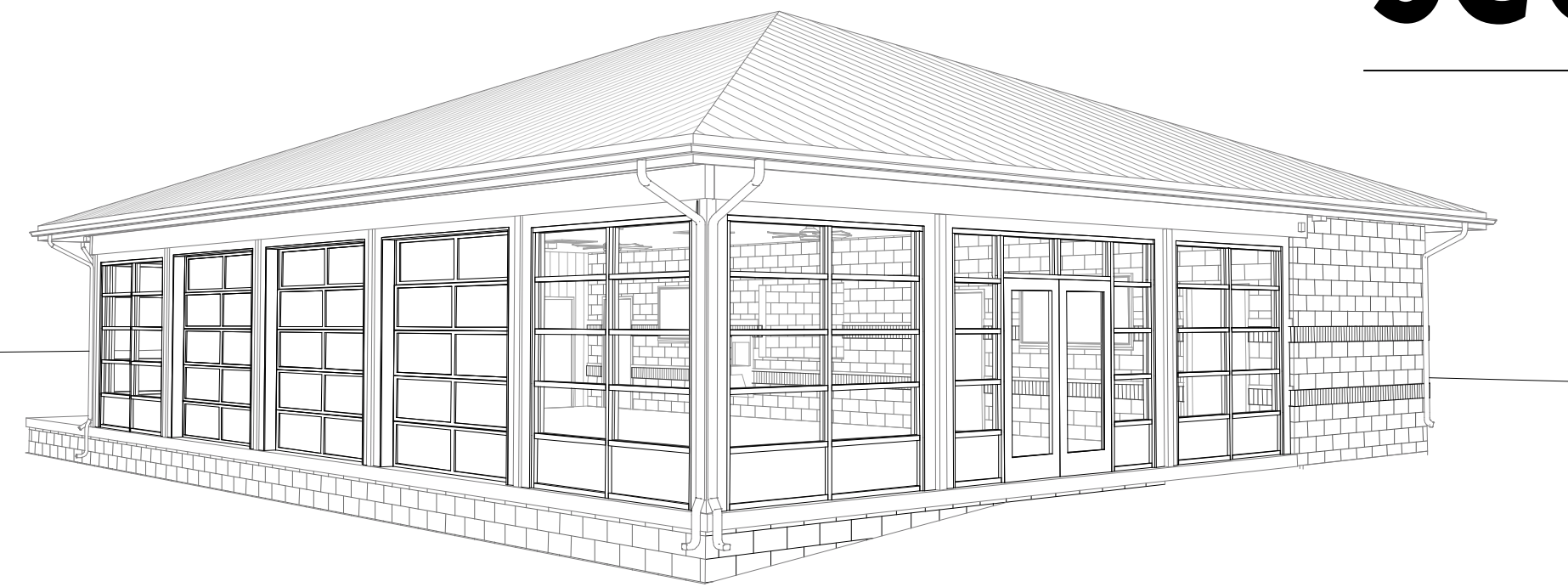
# SCC- Giles Campus Horticulture Pavilion Renovation

SPARTANBURG COMMUNITY COLLEGE

SPARTANBURG, SC

Issue Date/ Description: 5/01/2026 - 100% CONSTRUCTION SET

Project No: H59-N385-PD



SHEET LIST		
SHEET NO	SHEET NAME	CURRENT REVISION
GENERAL		
G100	COVER SHEET	
G101	LIFE SAFETY + CODE ANALYSIS	
G102	OSE CODE TABLES & REQUIRED INSPECTIONS SCHEDULE	
ARCHITECTURAL		
A100	DEMO AND RENOVATION FLOOR PLANS, FINISHES	
A200	ARCHITECTURAL RCP	
A300	EXTERIOR ELEVATIONS	
A400	PERSPECTIVES	
A500	DETAILS	
A600	DOOR & WINDOW SCHEDULES, ELEVATIONS & SPECIFICATIONS	
A700	INTERIOR ELEVATIONS	
MECHANICAL		
M-0.01	MECHANICAL NOTES & VENTILATION SCHEDULE	
M-0.02	MECHANICAL SCHEDULES & SOO	
M-1.01	MECHANICAL NEW WORK	
M-2.01	MECHANICAL DETAILS 1	
M-2.02	MECHANICAL DETAILS 2	
ELECTRICAL		
E-0.01	ELECTRICAL NOTES & LEGENDS	
E-1.00	ELECTRICAL PLAN	
E-1.2	SCHEDULES & RISER DIAGRAM	



ENGINEER

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ph: 864.310.4327 | www.studioteague.com

PROJECT NAME:

SCC- GILES CAMPUS  
HORTICULTURE  
PAVILION RENOVATION

PROJECT NUMBER:

H59-N385-PD

DRAWING TITLE:

COVER SHEET

SEAL & SIGNATURE:



DRAWN BY: RRB

CHECKED BY:

DATE: 5/01/26

100% CONSTRUCTION SET

DRAWING NO.:

**G100**

**LINE TYPES**

	BEYOND
	CENTERLINE
	DEMOLISHED
	HIDDEN
	OVERHEAD

**ANNOTATIONS**

	FACE DIMENSION
	CENTERLINE DIMENSION
	COLUMN GRID TAG - NEW
	COLUMN GRID TAG - EXISTING
	ALIGN FACE OF SURFACES
	SPOT ELEVATION
	LEVEL / ELEVATION HEIGHT
	REVISION TAG AND CLOUD

**ANNOTATIONS**

	NORTH
	NORTH (PROJECT OR TRUE)
	PROJECT NORTH
	TRUE NORTH
	WINDOW / CURTAIN WALL TAG
	LOUVER TAG
	WALL TAG
	DEMOLITION KEYNOTE
	KEYNOTE
	ACCESSORY TAG
	FURNITURE TAG
	EQUIPMENT TAG
	SIGNAGE TAG
	CEILING TAG
	CEILING TYPE (IF / WHEN INDICATED)
	CEILING HEIGHT

**ROOM TAG(S):**

	ROOM NAME 150 SF	ROOM TAG WITH AREA (NO ROOM #)
	DEPT / PHASE ROOM NAME 00999	ROOM NAME ROOM # = 2 OR 3 DIGITS FLOOR # = 1 OR 2 DIGITS
	ROOM NAME 00999 150 SF	AREA (IF SHOWN)

**DOOR TAG:**

	FLOOR # = 1 OR 2 DIGITS
	ROOM # = 2 OR 3 DIGITS
	DOOR SEQUENCE (ALPHABETIC)
	DOOR RATING (IF SHOWN)

**VIEW REFERENCE**

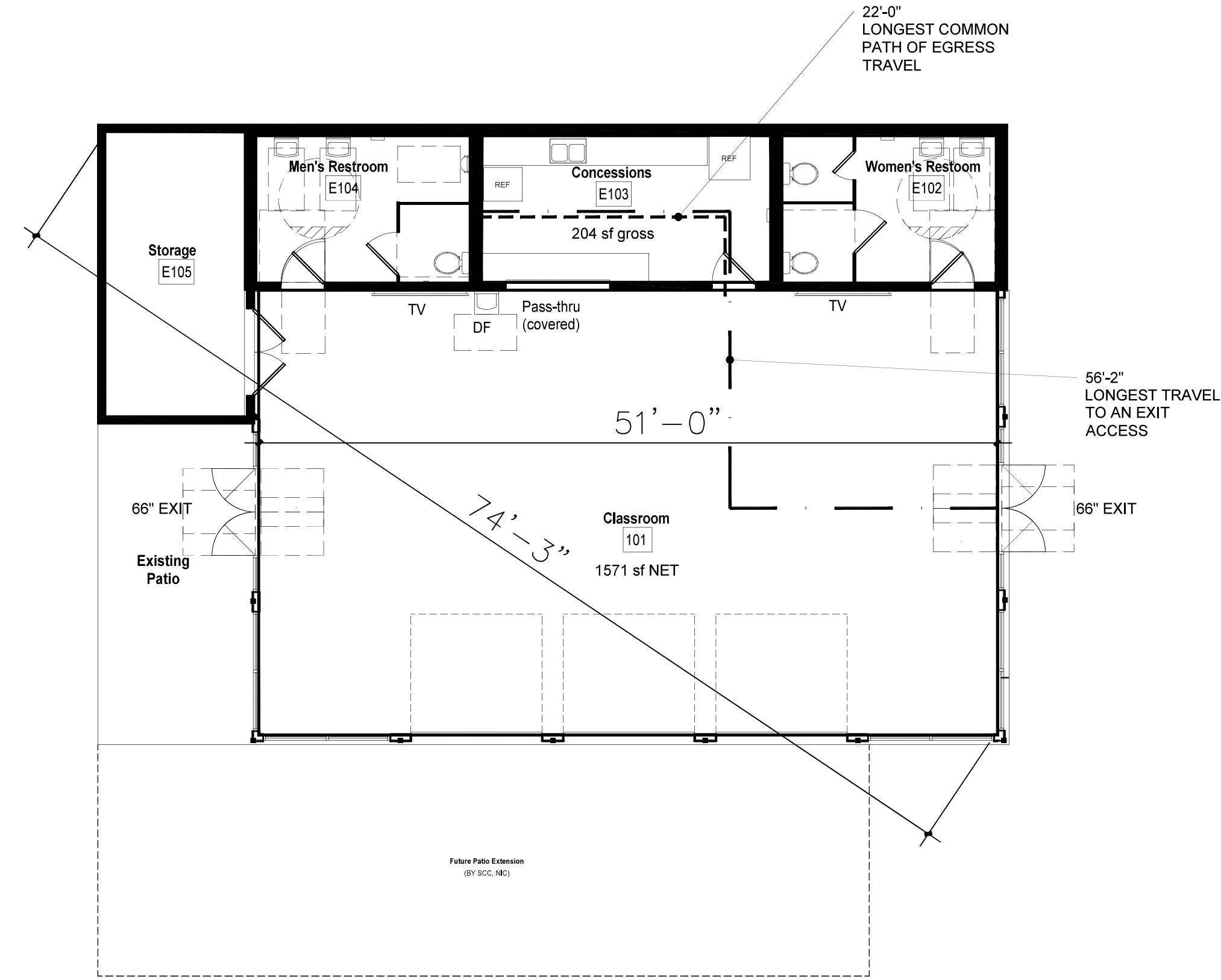
	PHOTO REFERENCE TAG
	PLAN VIEW TITLE REFERENCE
	VIEW NAME
	VIEW SCALE
	CURRENT SHEET
	DETAIL VIEW TITLE REFERENCE
	VIEW NAME
	VIEW SCALE
	CURRENT SHEET
	PLAN / DETAIL CALLOUT
	REFERENCED SHEET
	BUILDING SECTION CALLOUT
	REFERENCED SHEET
	WALL SECTION CALLOUT
	REFERENCED SHEET
	DETAIL SECTION CALLOUT
	REFERENCED SHEET
	EXTERIOR ELEVATION CALLOUT
	INTERIOR ELEVATION CALLOUT

## GENERAL NOTES

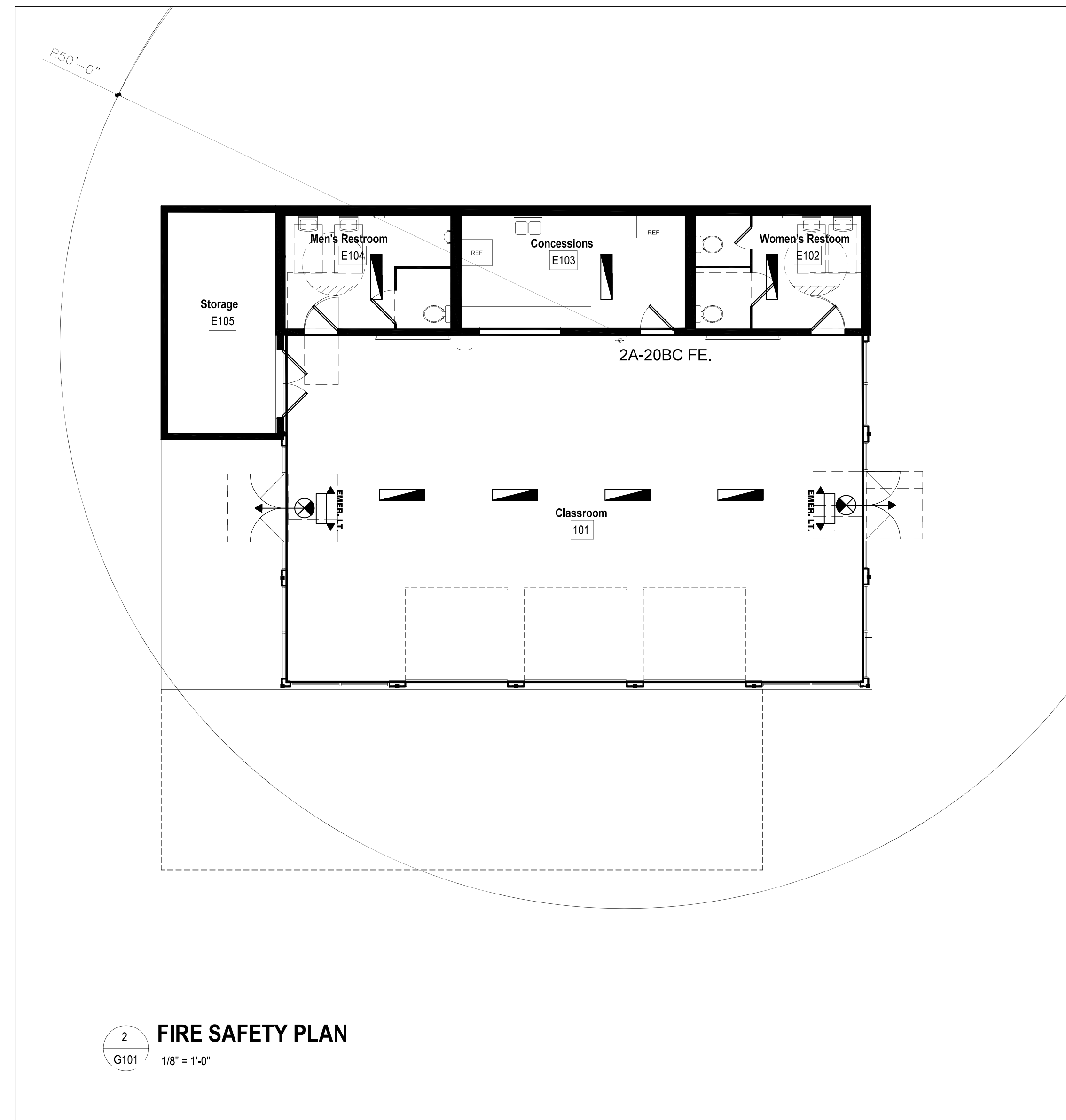
- ALL WORK SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST ADOPTED EDITIONS OF THE APPLICABLE CODES, AS INDICATED ON THIS SHEET AND ALL OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS HAVING JURISDICTION.
- DIMENSIONS SHOWN FOR EXTERIOR AND INTERIOR DOORS AND WINDOWS ARE TO CL OF UNIT UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH THE WORK.
- IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS OR CONFLICTS BETWEEN THE ARCHITECTURAL DRAWINGS AND THOSE OF THE ENGINEERS, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- ALL WOOD IN CONTACT WITH MORTAR, CONCRETE, OR MASONRY TO BE PRESSURE TREATED. ALL WOOD BLOCKING TO BE FIRE RETARDANT TREATED IF REQUIRED BY CODE.
- ALL WORK LISTED, SHOWN OR IMPLIED ON THE CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE GENERAL CONTRACTOR EXCEPT WHERE OTHERWISE NOTED. THE GENERAL CONTRACTOR SHALL CLOSELY COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS OR VENDORS TO ASSURE THAT ALL SCHEDULES ARE MET AND THAT ALL WORK IS DONE IN CONFORMANCE TO THE SUPPLIERS REQUIREMENTS.
- ALL INTERIOR DIMENSIONS GIVEN ARE FROM EXISTING FACE OF FINISH, FACE OF NEW STUD, OR CENTERLINE OF COLUMN, UNLESS OTHERWISE NOTED. EXTERIOR DIMENSIONS ARE FROM FACE/ EDGE OF MASONRY/ CONCRETE OR COLUMN CENTERLINE, UNLESS OTHERWISE NOTED.
- PROVIDE TYPE X, MOLD AND MOISTURE RESISTANT GYPSUM WALL BOARD IN ALL TOILET ROOMS.
- PROVIDE CEMENT BOARD IN ALL WET SHOWER AREA WALLS WITH TILE FINISH.
- ANY PORTION OF GYPSUM WALL BOARD THAT BECOMES WET OR SHOWS SIGNS OF MOISTURE DAMAGE, EITHER BEFORE OR AFTER INSTALLATION, IS TO BE REMOVED IMMEDIATELY AND REPLACED WITH NEW DRY GYPSUM WALL BOARD.
- INTERIOR PARTITIONS MAY HAVE ADDITIONAL FINISHES. REFERENCE FINISH SCHEDULE AND DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- PROVIDE SOUND ATTENUATION BLANKET AT ALL INTERIOR PARTITIONS AND RUN FULL HEIGHT OF PARTITION UNLESS NOTED OTHERWISE.
- MINOR WALLS OR OTHER WALLS NOT TAGGED WILL BE OF THE SAME WALL TYPE AS ADJACENT WALLS (UNLESS OTHERWISE NOTED).
- COORDINATE AND PROVIDE ALL REQUIRED BLOCKING WITHIN THE WALLS. THIS INCLUDES BUT IS NOT LIMITED TO, ALL MILLWORK, CASEWORK, GRAB BARS, MONITORS.
- INSTALL GYPSUM WALL BOARD ON INTERIOR PARTITIONS WITH A MINIMUM 1/4" GAP BETWEEN THE GYPSUM WALL BOARD AND THE FINISHED FLOOR.

## GENERAL DEMOLITION NOTES

- THE PURPOSE OF THESE DEMOLITION PLANS, AS MADE PART OF THE CONTRACT DOCUMENTS, IS TO GIVE THE GENERAL CONTRACTOR A GENERAL IDEA AS TO THE SCOPE OF ARCHITECTURAL DEMOLITION WORK REQUIRED. THE CONTRACTOR SHALL VISIT THE FACILITY, THOROUGHLY EVALUATE THE EXISTING FACILITY AGAINST THE DRAWINGS AND ACTUAL SITE CONDITIONS.
- GENERAL CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS. DEMOLITION RESPONSIBILITIES ARE NOT NECESSARILY LIMITED TO THOSE LISTED BELOW. WORK INCLUDES REMOVAL AND LEGAL DISPOSAL OF ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT UTILIZED IN THE FINISHED CONSTRUCTION PROJECT. REMOVE ALL ITEMS SPECIFICALLY INDICATED IN THE DRAWINGS AND ITEMS WHICH ARE NECESSARY TO BE REMOVED IN ORDER TO FACILITATE THE NEW CONSTRUCTION WORK. PERFORM DEMOLITION IN A NEAT AND ORDERLY MANNER, TO MINIMIZE DISRUPTIONS.
- ALL WORK SCHEDULES SHALL BE COORDINATED WITH AND APPROVED BY OWNER PRIOR TO BEGINNING DEMOLITION WORK. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO MINIMIZE DISRUPTION TO ANY ADJACENT OCCUPIED AREAS DURING THE COURSE OF THE DEMOLITION WORK.
- THE GENERAL CONTRACTOR SHALL PROVIDE FOR THE TEMPORARY STORAGE OF ALL COMPONENTS OF THE EXISTING WORK SCHEDULED TO BE REUSED. ITEMS SCHEDULED TO BE REUSED THAT ARE DAMAGED AS A RESULT OF POOR OR INADEQUATE HANDLING AND STORAGE MEANS OR METHODS, SHALL BE REPLACED WITH APPROVED SUBSTITUTES BY THE GENERAL CONTRACTOR AT NO ADDITIONAL CHARGE.
- THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL MATERIAL AND ITEMS TO BE REMOVED. ITEMS IDENTIFIED BY THE OWNER TO BE SALVAGED AND TURNED OVER TO THE OWNER ARE TO BE REMOVED BY THE GENERAL CONTRACTOR AND DELIVERED TO A MUTUALLY AGREED UPON LOCATION ON THE JOB SITE.
- REMOVE ITEMS IN SUCH A WAY AS TO NEITHER DAMAGE ADJACENT MATERIALS NOR COMPROMISE THE STRUCTURAL INTEGRITY OF EXISTING BUILDING. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING OF EXISTING CONSTRUCTION AS REQUIRED TO PERFORM THE PRESCRIBED WORK.
- ALL ABANDONED, NONESSENTIAL OR OTHERWISE NOT SPECIFICALLY SHOWN TO BE REUSED, MECHANICAL, PLUMBING, OR ELECTRICAL UTILITIES THAT ARE EXPOSED AFTER THE CEILING OR WALL REMOVAL, ARE TO BE REMOVED AND CAPPED AT POINT OF ORIGIN.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT EXISTING SURFACES AND FINISHES TO REMAIN IN THE AREAS RENOVATED, AND ALONG THE ROUTES OF WASTE REMOVAL. DAMAGE TO SUCH SURFACES SHALL BE REPAIRED TO AN EXISTING CONDITION STATUS BY THE GENERAL CONTRACTOR AT NO CHARGE.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT THE DISCOVERY OR SUSPICION OF OR THE PRESENCE OF ANY HAZARDOUS MATERIALS TO THE OWNER PRIOR TO PROCEEDING WITH DEMOLITION WORK.
- THE PURPOSE OF THE DEMOLITION DRAWINGS ARE STRICTLY LIMITED TO GENERALLY INDICATING AREAS AND/OR ITEMS TO BE REMOVED. THE CONTRACTOR IS ENTIRELY RESPONSIBLE FOR THE MEANS, METHODS, SEQUENCE AND EXACT EXTENT OF DEMOLITION NEEDED FOR NEW CONSTRUCTION. VERIFY ALL DEMOLITION DIMENSIONS PRIOR TO DEMOLITION AND COORDINATE VERIFIED DIMENSIONS WITH NEW WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES DISCOVERED. DISCREPANCIES SHALL BE RESOLVED PRIOR TO BEGINNING DEMOLITION WORK.
- CONTRACTOR SHALL COORDINATE DEMOLITION OF UTILITIES THAT SERVE SPACES WHICH WILL REMAIN AS PART OF ANY NEW CONSTRUCTION. PROTECT ALL UTILITIES IN THE DEMOLITION AREA AS REQUIRED TO ENSURE CONTINUOUS OPERATION OF SERVICES. IF UTILITY INTERRUPTION IS ANTICIPATED, THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING FIVE BUSINESS DAYS PRIOR TO INTERRUPTION OF SERVICES.
- ALL FURNISHINGS SHALL BE REMOVED OR RELOCATED PRIOR TO DEMOLITION PROCEDURES.
- WHEREVER EXISTING EQUIPMENT, PIPING, DUCTS, ETC., ARE REQUIRED TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGERS, ETC. AFTER REMOVAL, AFFECTED CONSTRUCTION AND SURFACES SUCH AS FLOORS, WALLS, BASES, AND CEILINGS SHALL BE FINISHED TO MATCH ADJACENT SURFACES UNLESS OTHERWISE NOTED.
- AFTER DEMOLITION AND REMOVAL OF MATERIALS, THE FLOOR IS TO BE PREPARED TO RECEIVE NEW FLOORING OR NEW FINISH. THE CONTRACTOR IS TO PERFORM ANY REMEDIATION WORK REQUIRED TO PREPARE THE FLOOR TO RECEIVE NEW FINISHES, INCLUDING BUT NOT LIMITED TO THE GRINDING OF PROTRUSIONS AND THE FILLING OF LOW SPOTS AND SURFACE IRREGULARITIES.
- SAWTOOTH WALLS AND FLOORS AS REQUIRED FOR INSTALLATION OF NEW PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS. INFILL TO MATCH ADJACENT WALLS AND FLOORS USING MATERIALS TO MATCH EXISTING. PREPARE TO RECEIVE NEW FINISHES.
- REMOVE ALL TRASH AND DEBRIS COMPLETELY.
- AT EXISTING WALLS TO REMAIN, REMOVE ALL UNUSED WIRE MOLDING, DEVICES, WALL DISPLAYS, WALL BASE HANGERS, OR PROTRUSIONS AND PATCH AND PREPARE WALL AS REQUIRED TO ACHIEVE A SMOOTH SURFACE READY TO RECEIVE NEW WALL FINISHES.
- REMOVE VINYL OR LINOLEUM FLOORING COMPLETELY. REMOVE SHOE MOLD, UNDERLAYMENT (IF APPLICABLE) & MASTIC COMPLETELY.



**1 LIFE SAFETY PLAN**  
 G101 1/8" = 1'-0"



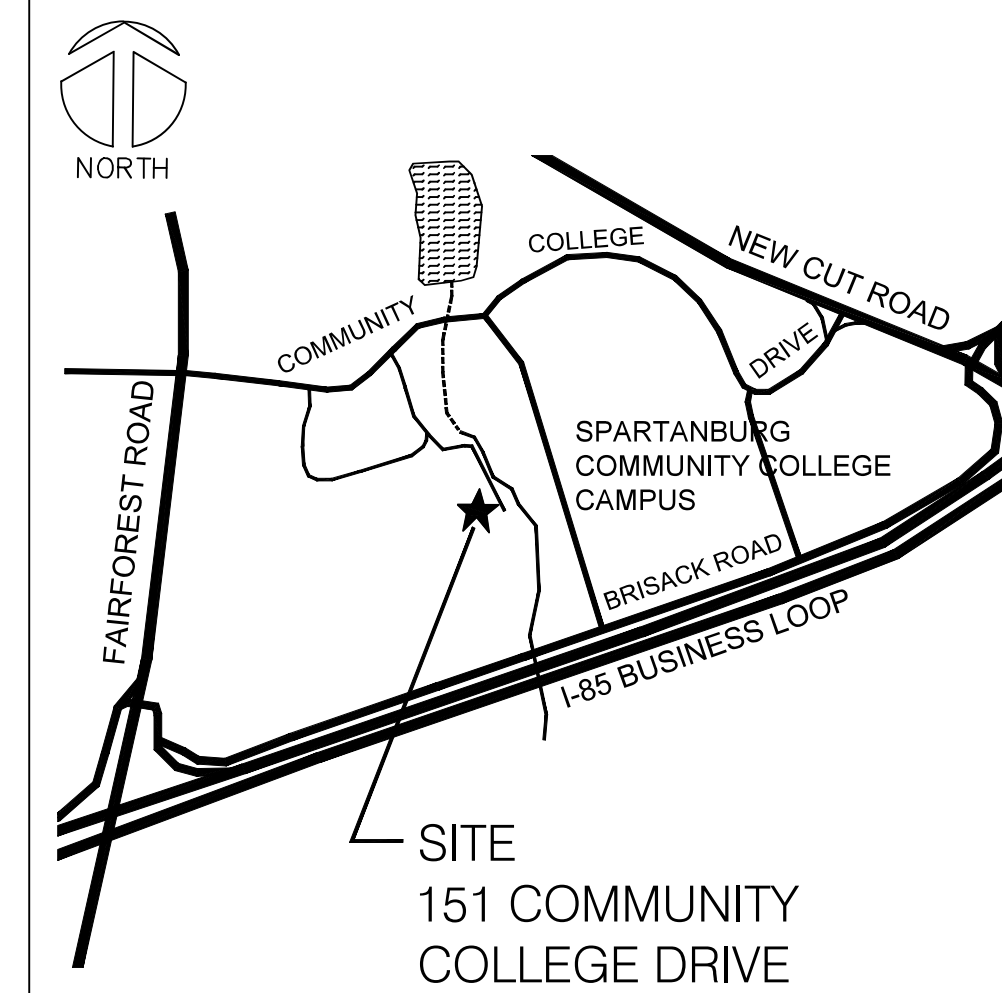
**2 FIRE SAFETY PLAN**  
 G101 1/8" = 1'-0"

**Project Data**

<p><b>NAME OF PROJECT:</b> SPARTANBURG COMMUNITY COLLEGE SCC HORTICULTURE PAVILION RENOVATION</p> <p><b>ADDRESS:</b> 151 COMMUNITY COLLEGE DRIVE SPARTANBURG, SC 29303</p> <p><b>PROPOSED USE:</b> HORTICULTURE TEACHING BUILDING</p> <p><b>CODE JURISDICTION:</b> COUNTY OF SPARTANBURG, SC</p> <p><b>CONTACT PERSON:</b> DAVID BARBER BARBERD@SCCSC.EDU</p> <p><b>ARCHITECT:</b> MEGHAN TEAGUE - SC LICENSE 8288</p> <p><b>ELECTRICAL ENGINEER:</b> KIM CATHERINE WOOTEN - SC LICENSE 15775</p> <p><b>M&amp;P ENGINEER:</b> MATTHEW M PESCE - SC LICENSE 22723</p>	<p><b>OCCUPANCY:</b> EXISTING BUILDING UNCHANGED</p> <p><b>PRIMARY OCCUPANCY:</b> ASSEMBLY A-3 UNCONCENTRATED 15 SF NET</p> <p><b>SECONDARY OCCUPANCY:</b> NONE</p> <p><b>SPECIAL OCCUPANCY:</b> NONE</p> <p><b>MIXED OCCUPANCY:</b> NONE</p> <p><b>FRONTAGE INCREASE:</b> NO</p> <p><b>AREA INCREASE:</b> NO</p> <p><b>SPRINKLER INCREASE:</b> NO</p> <p><b>HEIGHT INCREASE:</b> NO</p> <p><b>SEISMIC COMPLIANCE:</b> NA EXISTING CONSTRUCTION, UNCHANGED USE</p>
<p><b>DESIGN CODES AND STANDARDS:</b></p> <ol style="list-style-type: none"> <li>INTERNATIONAL EXISTING BUILDING CODE 2021 ED.</li> <li>INTERNATIONAL BUILDING CODE 2021 ED. w/ SC AMENDMENTS</li> <li>INTERNATIONAL FIRE CODE 2021 ED.</li> <li>INTERNATIONAL ENERGY CONSERVATION CODE 2009 ED</li> <li>INTERNATIONAL MECHANICAL CODE 2021 ED w/ SC AMENDMENTS</li> <li>NFPA 70 - NATIONAL ELECTRICAL CODE 2020 w/SC AMENDMENTS</li> </ol> <p>CODE CITATIONS ARE FROM THE IBCS UNLESS SPECIFIED AS IBC or IFC</p>	<p><b>FIRE RESISTANCE</b></p> <p>TYPE 5-B UNSPRINKLED NO CHANGE OF OCCUPANCY</p> <p>FIRE BARRIERS NA</p> <p>FIRE HAZARD UNCHANGED CATEGORY 3 IBC Table 1011.7</p> <p>EXTERIOR WALL FIRE RESISTANCE NO CHANGE IBC Table 1011.7</p> <p>EXTERIOR WALL RATINGS NO CHANGE IBC 1011.7.2</p> <p>OPENING PROTECTIVES NOT REQUIRED IBC 1011.7.3 Ex 4 NO CHANGE</p> <p>VERTICAL SHAFT ENCLOSURES NA</p> <p>STAIRWAYS NA</p> <p>HANDRAILS NA</p> <p>OPENINGS IN VERTICAL SHAFTS NA</p>
<p><b>BUILDING DATA:</b> EXISTING CONSTRUCTION IBC LEVEL 2 RENOVATION IBC 301.3.2 WORK AREA COMPLIANCE METHOD, CHAPTERS 6-12.</p> <p>THIS RENOVATION IS TO ENCLOSE THE EXISTING OPEN AIR PAVILION WITH STOREFRONT ROLL-UP DOORS AND TWO EXITS. THE MECHANICAL &amp; ELECTRICAL SYSTEMS WILL BE ALTERED. AS SUCH, THE RENOVATION FALLS UNDER IBC 801.3 WHICH ELIMINATES OTHER LEVEL 2 REQUIREMENTS FOR THE WORK AREA.</p> <p><b>CONSTRUCTION TYPE:</b> 5B - UNSPRINKLED - EXISTING CONSTRUCTION (ABOUT 2003)</p> <p><b>OCCUPANCY:</b> A-3 UNCONCENTRATED 15 SF NET</p> <p><b>SPRINKLERS:</b> NO IBC 803.2.2 &gt; IBC 903.2.1.3 NOT REQUIRED FOR GROUP A-3 WHERE THE AREA &lt; 12,000SF &amp; OCCUPANT LOAD &lt; 300</p> <p><b>STANDPIPE:</b> NO</p> <p><b>FIRE DISTRICT:</b> NO</p> <p><b>BUILDING HEIGHT:</b> +/-20' ALLOWABLE 40' IBC table 504.3</p> <p><b>NUMBER OF STORIES:</b> 1 ALLOWABLE 1 IBC table 504.4</p> <p><b>MEZZANINE:</b> NO</p> <p><b>HIGH RISE:</b> NO</p> <p><b>GROSS FLOOR AREA:</b> 2324 SQ. FT.</p> <p><b>ALLOWABLE AREA:</b> 18,500 SQ. FT. IBC table 506.2</p>	<p><b>FINISH CLASSIFICATIONS (per Table 803.13) Group A-3 unsprinklered</b></p> <p>EXIT PASSAGEWAYS: Class 'A' - Flamespread 0-25 Smoke Developed 0-450</p> <p>EXIT ACCESS CORRIDORS: Class 'B' - Flamespread 20-75 Smoke Developed 0-450</p> <p>OTHER SPACES: Class 'C' - Flamespread 75-200 Smoke Developed 0-450</p> <p>CARPET Radiant Flux Class II in accord with ASTM D 2859</p> <p>COMBUSTIBLE DECORATIVE MATERIALS Meet NFPA 701 and not exceed 10% coverage of walls &amp; ceiling.</p>
<p><b>OCCUPANCY LOAD FOR A-3 USE (IBC TABLE 1004.5)</b></p> <p>MAIN FLOOR 1,571 SF / 15 SF NET/OCCUPANT = 105 OCC.</p> <p>CONCESSIONS 204 SF / 200 SF NET/OCCUPANT = 2 OCC.</p> <p>IBC TOTAL OCCUPANT LOAD = 107 OCC.</p> <p>EACH EXIT ACCESS WILL BE DESIGNED FOR MORE THAN THE CODE MINIMUM WIDTH OF 36"</p> <p>AT THE OWNERS REQUEST, THE BUILDING HAS AN HVAC SYSTEM DESIGNED TO ACCOMMODATE 60 OCCUPANTS; HOWEVER, THE OTHER CODE REQUIREMENTS ARE DESIGNED FOR 107 OCCUPANTS.</p>	<p><b>ACCESSIBILITY</b></p> <p>IBC 306.7.2 ACCESSIBLE MEANS OF EGRESS IN IBC CHAPTER 10 ARE NOT REQUIRED IN EXISTING BUILDINGS; HOWEVER, THIS BUILDING IS ACCESSIBLE.</p> <p><b>PLUMBING</b></p> <p>IBC 2021 Table 2902.1 Group A3 FACILITIES REQUIRE:</p> <p>TOILETS MEN @ 1 PER 125 PROVIDED 1</p> <p>URINALS PROVIDED 1 (67% SUBSTITUTION RULE)</p> <p>TOILETS WOMEN @ 1 PER 65 PROVIDED 2</p> <p>LAVATORIES 1 PER 200 PROVIDED 2 EA. SEX</p> <p>WATER FOUNTAINS 1 PER 500 PROVIDED 1</p> <p>SERVICE SINK 1 REQUIRED 1 SINK IN CONCESSIONS AREA</p>
	<p><b>IBC BUILDING EXIT REQUIREMENTS</b></p> <p>TWO EXITS REQUIRED OCCUPANT LOAD &gt; 49</p> <p>COMMON PATH OF EGRESS TRAVEL ALLOWED 75' PROVIDED 22'-0" IBC table 1006.2.1</p> <p>EXIT ACCESS TRAVEL DISTANCE ALLOWED 75' PROVIDED 56' 2" IBC table 1006.3.4(2)</p> <p>NUMBER OF EXITS REQUIRED 2. NUMBER OF EXITS PROVIDED 2</p> <p><b>EXIT WIDTH REQUIREMENTS:</b> 105 PERSONS TIMES 0.2 ' / OCC. (LEVEL) = 21' &lt; 34' MIN. REQUIRED TWO PROVIDED AT 66" EA.</p> <p>DEAD END CORRIDOR LIMIT - MAX CONDITION ALLOWED 20' PROVIDED NONE</p> <p>DIAGONAL OF PLAN DIVIDED BY TWO: 74'-3" / 2 = 37'-2"</p> <p>DISTANCE BETWEEN PRIMARY EXITS: 51'-0"</p>

**Note:**  
 See sheet G102 for OSE Code Sheets

**Location Map**



SITE  
 151 COMMUNITY COLLEGE DRIVE



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PROJECT NAME:

**SCC- GILES CAMPUS HORTICULTURE PAVILION RENOVATION**

PROJECT NUMBER:

**H59-N385-PD**

DRAWING TITLE:

DEMO AND RENOVATION FLOOR PLANS, FINISHES

SEAL & SIGNATURE:



DRAWN BY: RRB

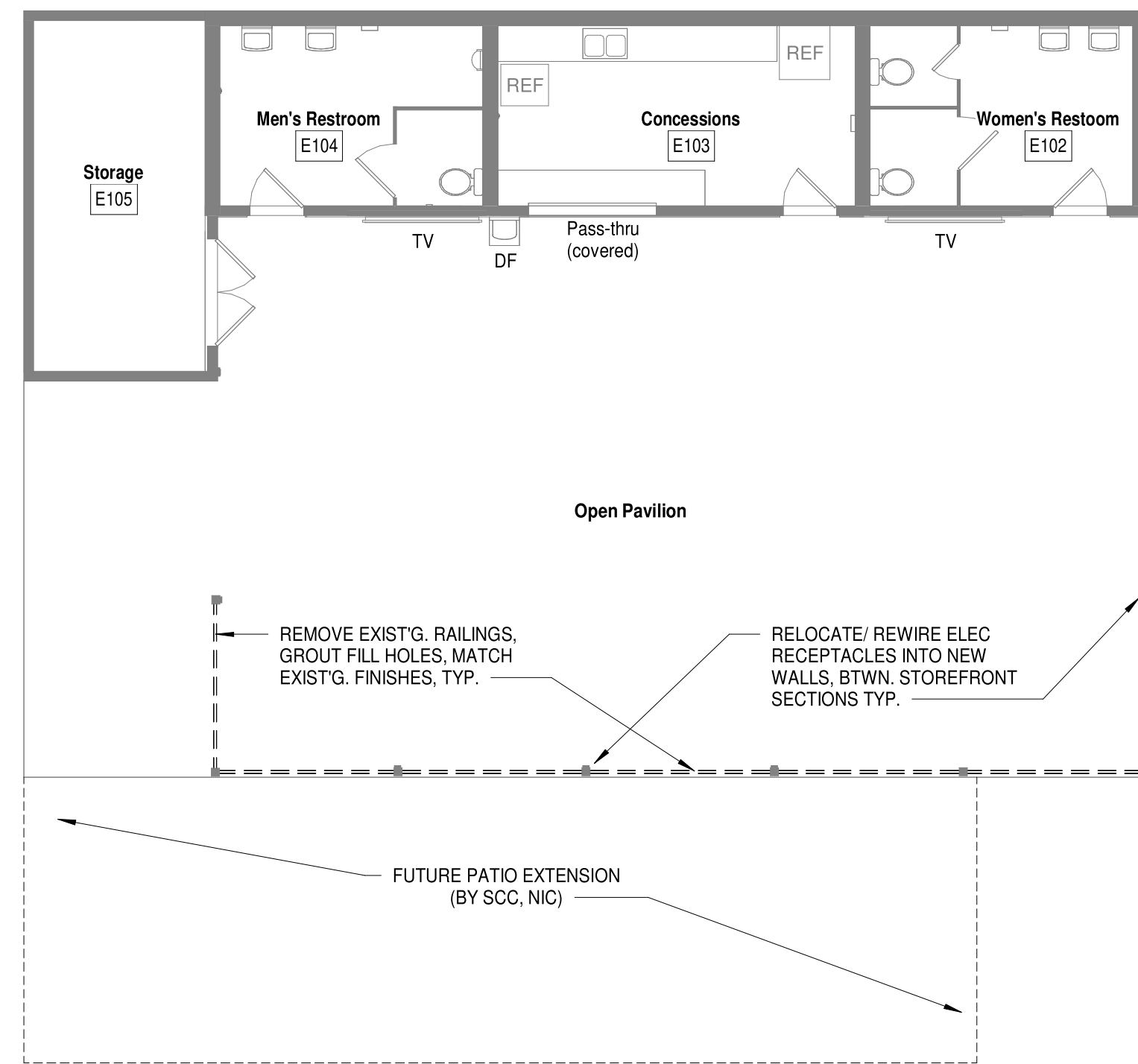
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DRAWING NO.:

**A100**



**1 FLOOR PLAN - DEMOLITION**

A100 1/8" = 1'-0"

**EXISTING PAINT COLORS FOR REFERENCE**

Restrooms primary walls: Sherwin Williams SW7713 Tawny Tan, semi-gloss
Restrooms accent wall: Sherwin Williams SW6256 Serious Gray, semi-gloss
Kitchen primary walls: Sherwin Williams SW7713 Tawny Tan, semi-gloss
Kitchen accent wall: Sherwin Williams SW6966 Blueblood, semi-gloss
Doors & Frames: Sherwin Williams SW7713 Tawny Tan, semi-gloss
Ceilings, Wood trim & Posts: Sherwin Williams SW7520 Dark Brown, satin

**FINISH LEGEND**

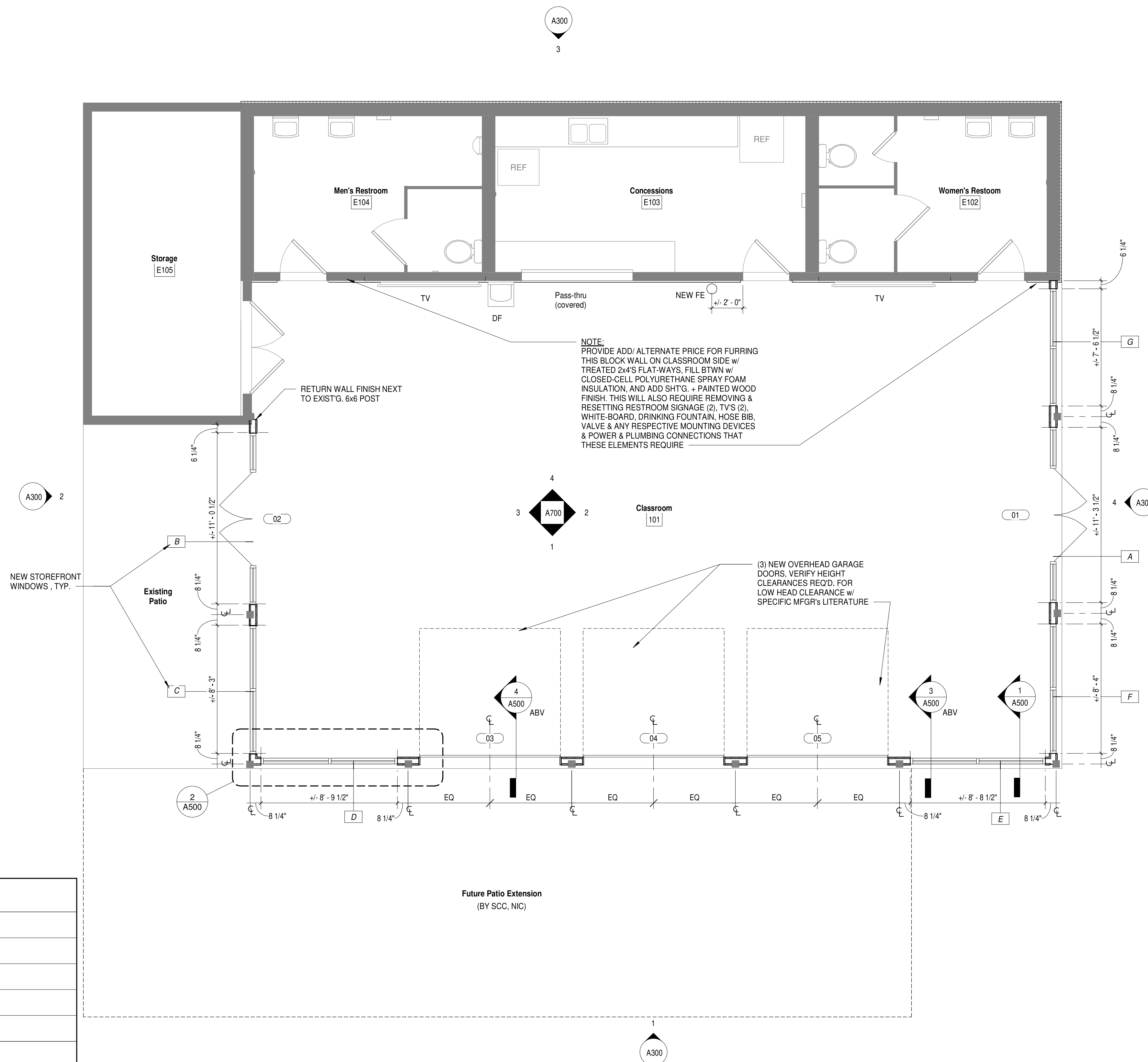
MARK	DESCRIPTION	NOTES	COMMENTS
<b>FLOORS</b>			
CONC	EXISTING SEALED CONCRETE	-	-
<b>BASE</b>			
B-1	TREATED 1x8 WOOD BASE	PAINT; COLOR TO MATCH EXISTING, SW7520 DARK BROWN	-
<b>WALLS + CEILINGS</b>			
W-1	SMOOTH PAINT-GRADE PLYWOOD PANELING	PAINT; COLOR TO MATCH EXISTING, SW7520 DARK BROWN	COVER JOINTS w/ LATTICE STRIPS TO MATCH EXISTING. PAINTED TO MATCH EXISTING, SEE INTERIOR ELEVS

GENERAL NOTES:  
 1. FINAL SELECTIONS TO BE CONFIRMED & COORDINATED WITH OWNER.  
 2. MATCH EXISTING TRIM AND CASEWORK PAINT TYPE (OIL OR LATEX) THROUGHOUT, U.N.O.

**ROOM FINISH SCHEDULE**

ROOM NO.	ROOM NAME	FLOOR		WALLS	CEILING		COMMENTS
		FINISH	BASE		MATERIAL	FINISH	
101	Classroom	Ex Sealed Conc	New Wd- Paint	New Wood- Paint	Ex. Wood	Ex. Paint	Match existing paint on woodwork: Sherwin Williams SW7520, Dark Brown

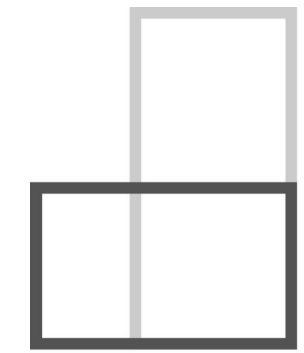
NOTES:  
 1. FINAL ROOM FINISHES TO BE CONFIRMED & COORDINATED WITH OWNER



**2 FLOOR PLAN - RENOVATION**

A100 1/4" = 1'-0"

ENGINEER



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PROJECT NUMBER:

**H59-N385-PD**

DRAWING TITLE:

**ARCHITECTURAL RCP**

SEAL & SIGNATURE:



DRAWN BY: **RRB**

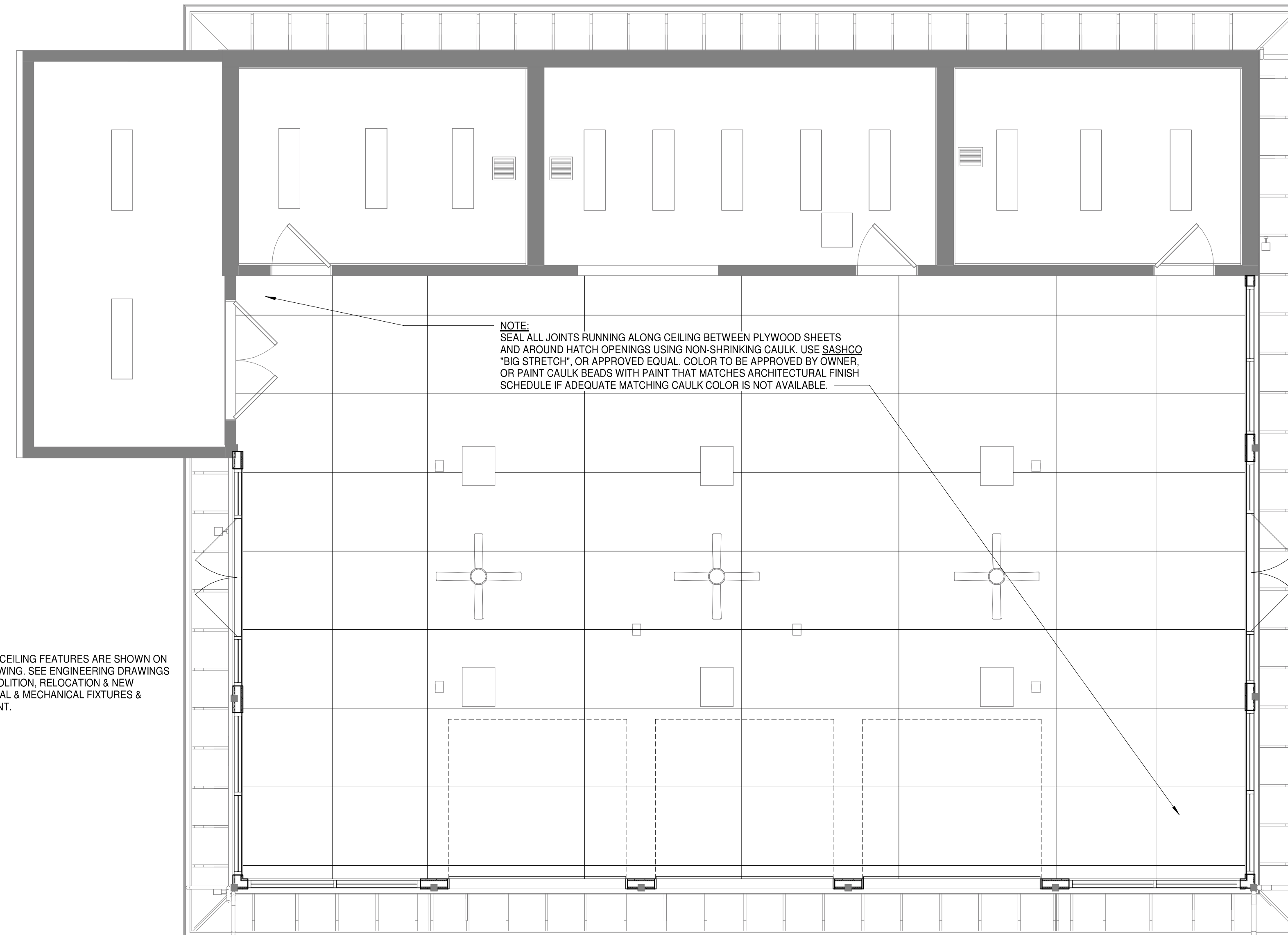
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100% CONSTRUCTION SET

DRAWING NO.:

**A200**



NOTE:  
 SEAL ALL JOINTS RUNNING ALONG CEILING BETWEEN PLYWOOD SHEETS  
 AND AROUND HATCH OPENINGS USING NON-SHRINKING CAULK. USE SASHCO  
 "BIG STRETCH", OR APPROVED EQUAL. COLOR TO BE APPROVED BY OWNER,  
 OR PAINT CAULK BEADS WITH PAINT THAT MATCHES ARCHITECTURAL FINISH  
 SCHEDULE IF ADEQUATE MATCHING CAULK COLOR IS NOT AVAILABLE.

NOTE:  
 EXISTING CEILING FEATURES ARE SHOWN ON  
 THIS DRAWING. SEE ENGINEERING DRAWINGS  
 FOR DEMOLITION, RELOCATION & NEW  
 ELECTRICAL & MECHANICAL FIXTURES &  
 EQUIPMENT.

**1 ARCHITECTURAL RCP**  
 A200 1/4" = 1'-0"

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PROJECT NUMBER:

**H59-N385-PD**

DRAWING TITLE:

**EXTERIOR  
 ELEVATIONS**

SEAL & SIGNATURE:



DRAWN BY: **RRB**

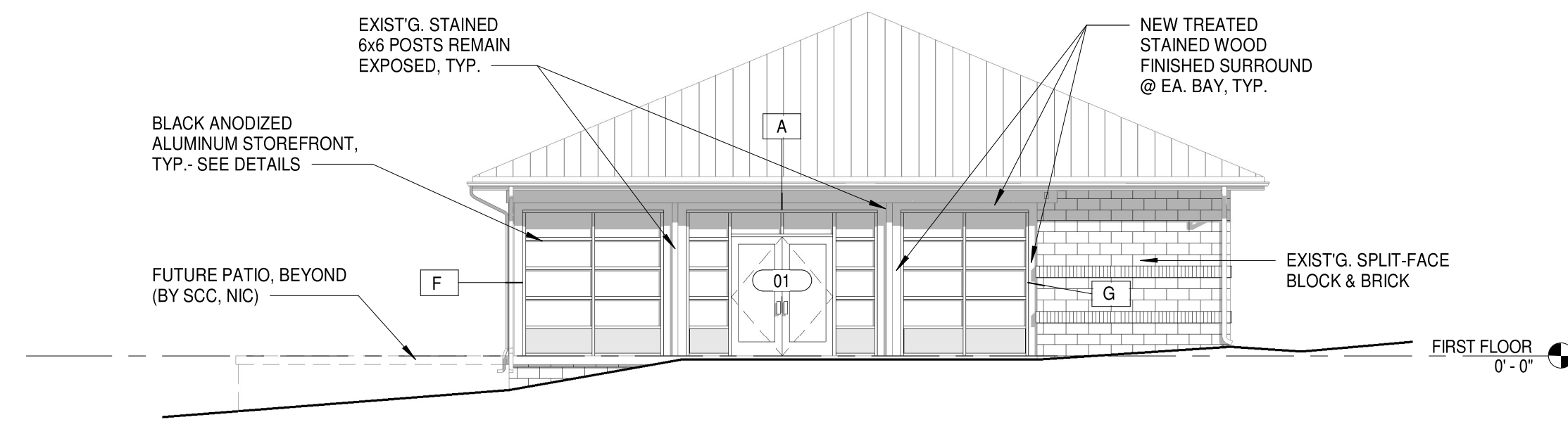
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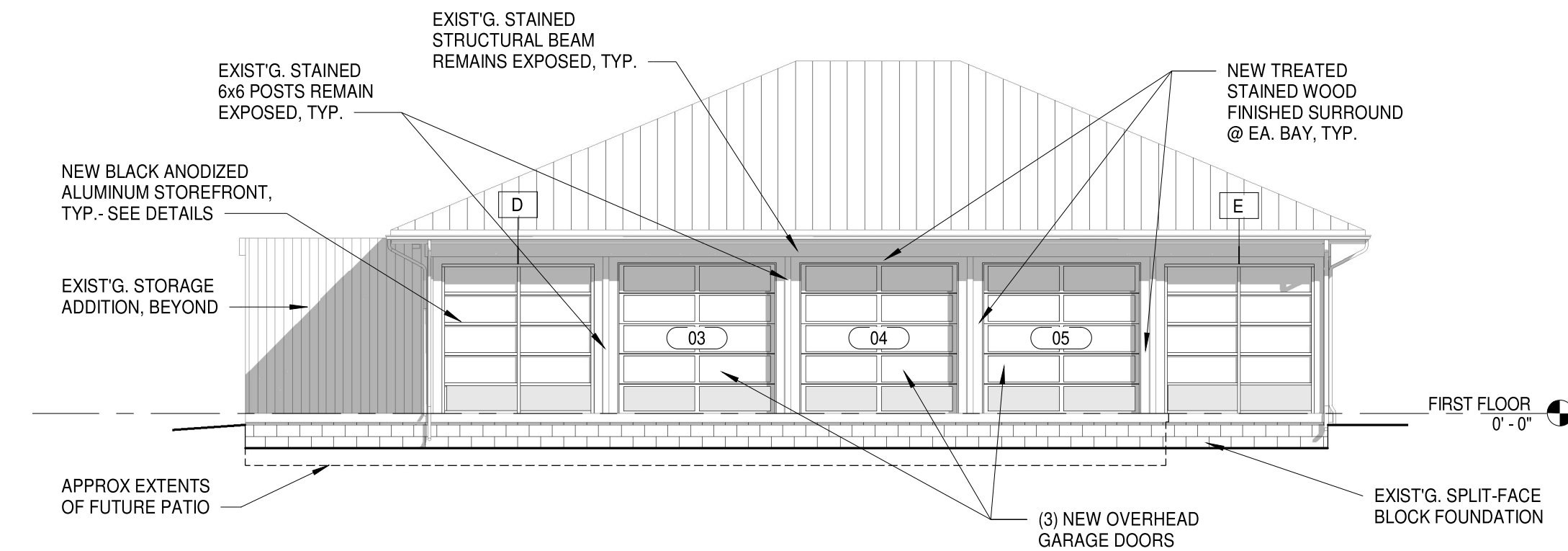
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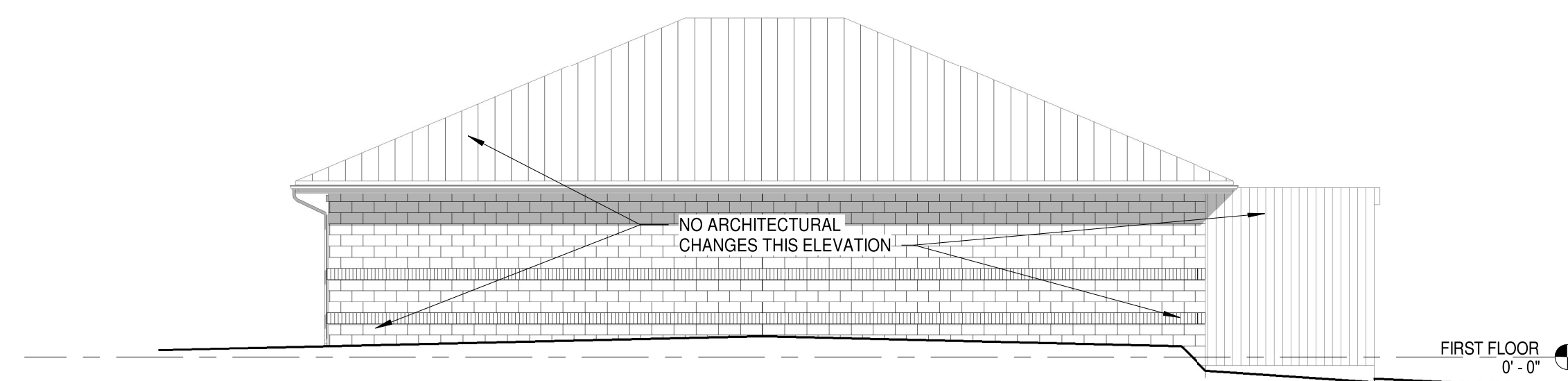
**A300**



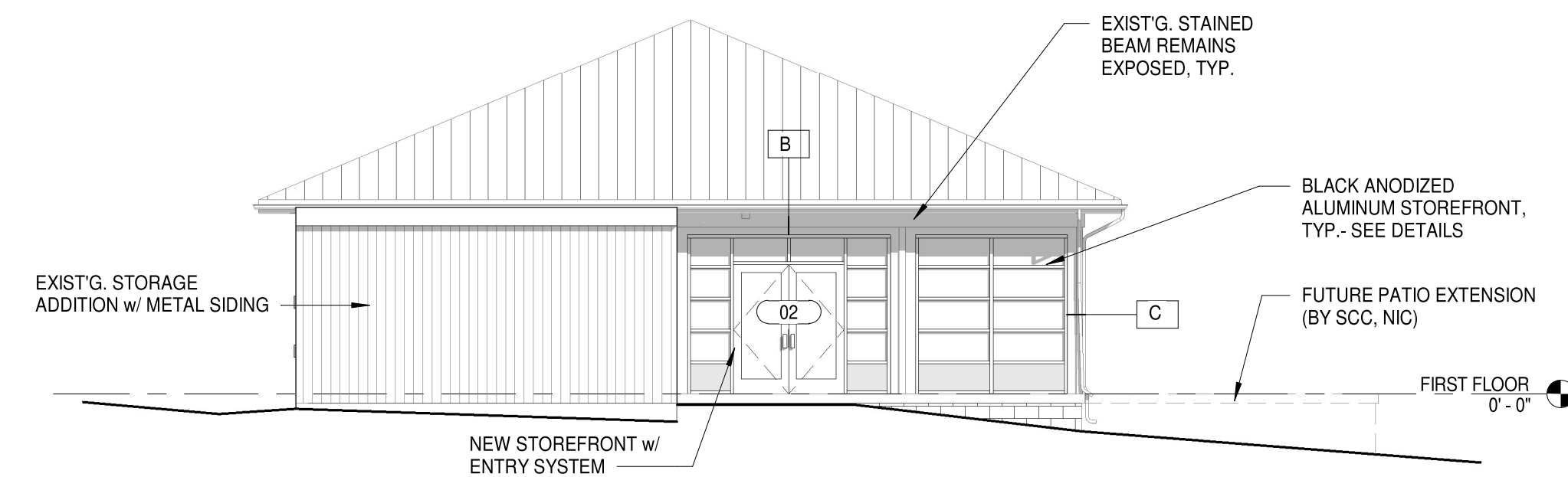
**4 RIGHT SIDE ELEVATION**  
 A300 1/8" = 1'-0"



**1 FRONT ELEVATION**  
 A300 1/8" = 1'-0"



**3 REAR ELEVATION**  
 A300 1/8" = 1'-0"



**2 LEFT SIDE ELEVATION**  
 A300 1/8" = 1'-0"

ENGINEER

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**TEAGUE STUDIO**  
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PROJECT NAME:

**SCC- GILES CAMPUS  
 HORTICULTURE  
 PAVILION RENOVATION**

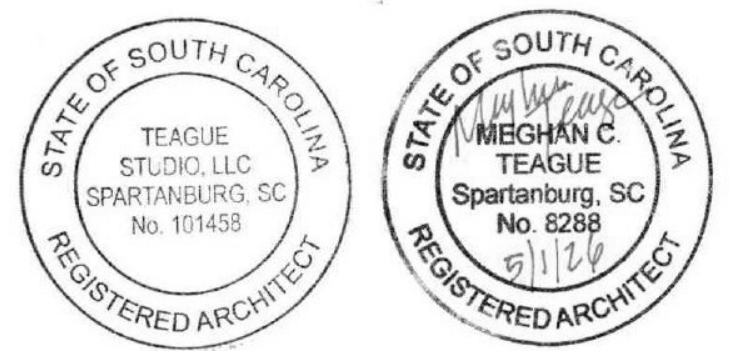
PROJECT NUMBER:

**H59-N385-PD**

DRAWING TITLE:

**PERSPECTIVES**

SEAL & SIGNATURE:



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DATE: 5/01/26

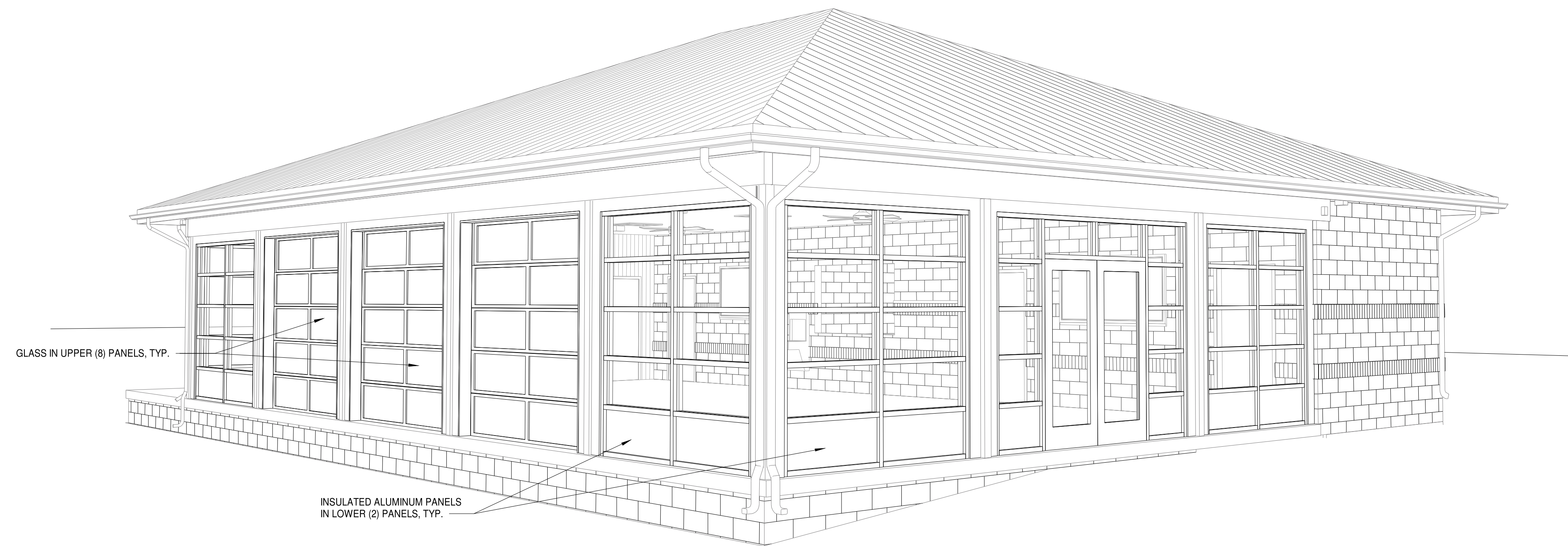
100% CONSTRUCTION SET

DRAWING NO.:

**A400**



1  
 A400  
**LEFT PERSPECTIVE VIEW**



2  
 A400  
**RIGHT PERSPECTIVE VIEW**



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PROJECT NAME:

**SCC- GILES CAMPUS HORTICULTURE PAVILION RENOVATION**

PROJECT NUMBER:

**H59-N385-PD**

DRAWING TITLE:

**DOOR & WINDOW SCHEDULES, ELEVATIONS & SPECIFICATIONS**

SEAL & SIGNATURE:



DRAWN BY: **RRB**

CHECKED BY:

DATE: 5/01/26

100% CONSTRUCTION SET

DRAWING NO.:

**A600**

**DOOR & STOREFRONT SPECIFICATIONS**

**STOREFRONT**

Oldcastle Building Envelope FG3000T thermally broken 2" x 4 1/2" center-set storefront system or approved equal. Black anodized aluminum finish. Glazing: 1" clear insulating glass w/ SN68 Low-E coating on #2 surface, tempered per code for all glass sections. Provide solid, insulated bottom panels for each section w/ black anodized aluminum finish. Typical. Furnish cut sheets to provide exact dimensions to owner. Installer to provide framing diagram by field measurements w/ site visit and install storefront systems in accordance w/ approved shop drawings and the manufacturer's printed instructions. Dimensions of openings listed on architectural drawings for each storefront section should be field verified for height & width.

**STOREFRONT DOORS**

(DOORS- No.01 & No.02)

Nominal 6'-0" wide x 7'-0" high, High-traffic, heavy duty, 1 3/4" thk., Wide-stile full-glass storefront entry doors w/ ADA 10" tall bottom rail. Black anodized aluminum finish. Glazing: 1" clear insulating glass w/ SN68 Low-E coating on #2 surface, tempered per code. See plans for adjoining storefront frame sections.

**OVERHEAD SECTIONAL DOORS**

(DOORS- No.03, No.04 & No.05)

Nominal 9'-0" wide x 8'-8" high, manually operated black anodized aluminum sectional doors w/ perimeter weatherstripping, standard 3 1/2" bottom astragal & 4.5" wide single end stiles. Doors to be (5) sections high, x (2) panels wide. Bottom (2) panels to be solid, insulated panels w/ black anodized aluminum finish to match frames. Upper (8) panels to be glazed w/ 1/8" clear glass w/ Low-E coating & tempered per code. There are no exhaust ports. Provide min 2" track assemblies, (2) inside slide-locks per door (one lock per end), standard cycle spring counterbalance, 10,000 cycle spring. Standard 5-year materials and 1-year workmanship warranties. Manufacturer's qualifications: minimum 10 years of documented experience and minimum 5 years of documented experience for installer authorized by door manufacturer for installer qualifications. Furnish cut-sheets to provide exact dimensions to owner. Installer to provide framing diagram by field measurements made on site visit and install overhead doors and track in accordance with approved shop drawings and the manufacturer's printed instructions. Dimensions of existing building listed on architectural drawings should be field verified for height & width. Acceptable Manufacturers: Clopay, Raynor, CHI & Overhead Door Corp. or approved equal.

**DOOR HARDWARE SETS**

**HARDWARE SET 'A'**

(DOORS- No.01 & No.02)

QTY.	DESCRIPTION
1	FM300 BSP Continuous hinge
1	FM300 BSP x Power transfer prep @ 40" CL AFF
1	PED5257 x T3757ET SN200 MELR BIPS BOE M52 M48 CT6D BSP/630 Classroom Exit Device
1	PED5210 EO BSP/630 exit device
1	CR8000 60 Keyway, Cylinder to match Owner's Key System
1	CR972 KM CT6D Keyed Mullion (Black)
1	CR8000 60 Keyway, Cylinder to match Owner's Key System
2	DC 6210 A11 M77 693 Closer
1	EL-CEPT BSP Power Transfer (Active Leaf Only)
1	QC-C1500P Electrolynx Cables (Power Transfer to Junction Box above Ceiling)
1	QC-C1500P Electrolynx Cables (Power Transfer to Card Reader)
1	QC-C012 Electrolynx Cables (Power Transfer to End of Exit Device)
1	171 BSP ADA Threshold
2	18061 BSP NB Sweep, Weatherstripping by Storefront Vendor

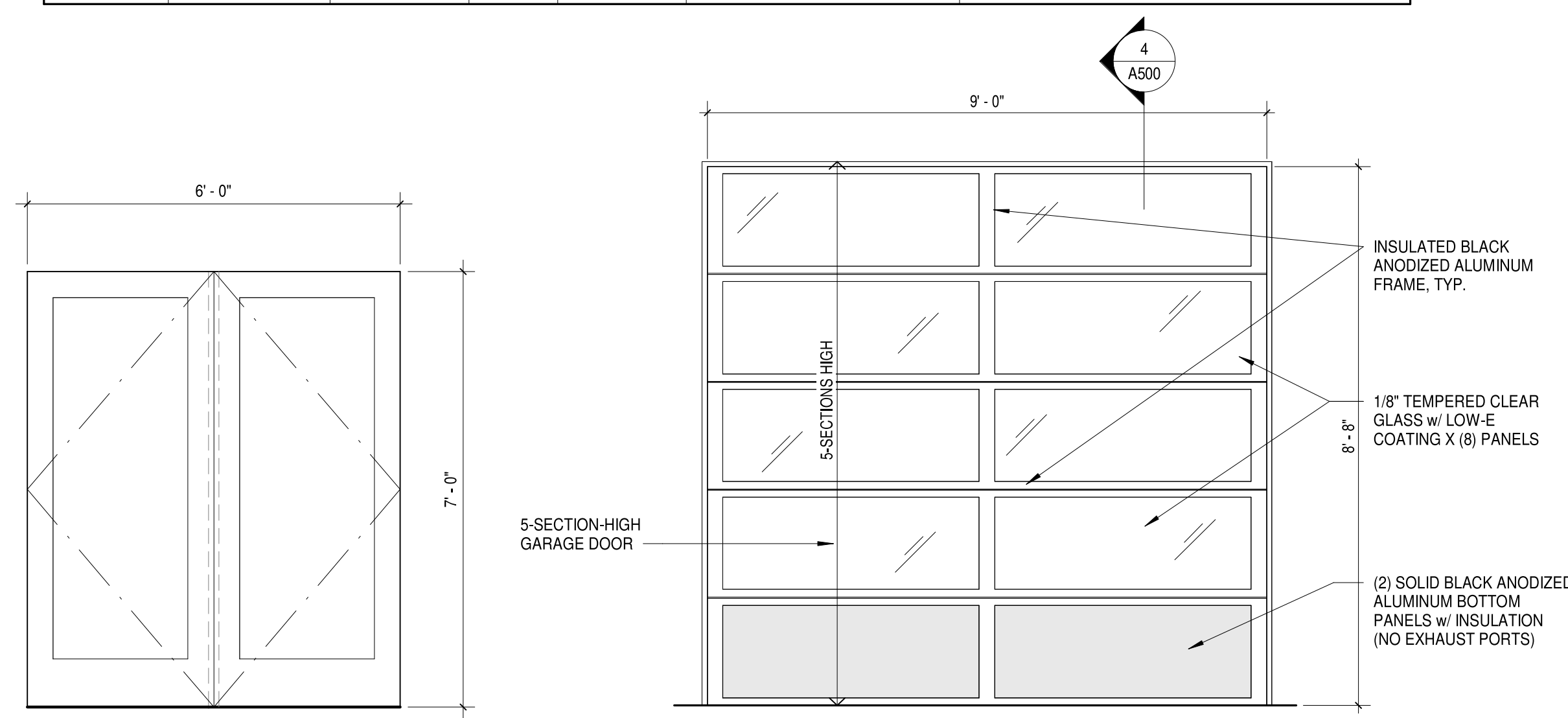
**HARDWARE SET 'B'**

(DOORS- No.03, No.04 & No.05)

QTY.	DESCRIPTION
# AS REQ	Manual Pull Rope Operation
2 SETS	2" Track
# AS REQ	Full Perimeter Weatherstripping
1	Standard Bottom Astragal
# AS REQ	Standard Cycle Spring Counterbalance, 10,000 Cycle Spring
2	Inside Slide Locks Per Door

**DOOR SCHEDULE**

DOOR NO.	DOOR			HARDWARE		COMMENTS
	WIDTH	HEIGHT	TYPE	TYPE	NOTES	
01	PAIR 3'-0"	7'-0"	A	SET A	SEE SETS THIS SHEET	SEE SPECS THIS SHEET
02	PAIR 3'-0"	7'-0"	A	SET A		
03	9'-0"	8'-8"	B	SET B		
04	9'-0"	8'-8"	B	SET B		
05	9'-0"	8'-8"	B	SET B		



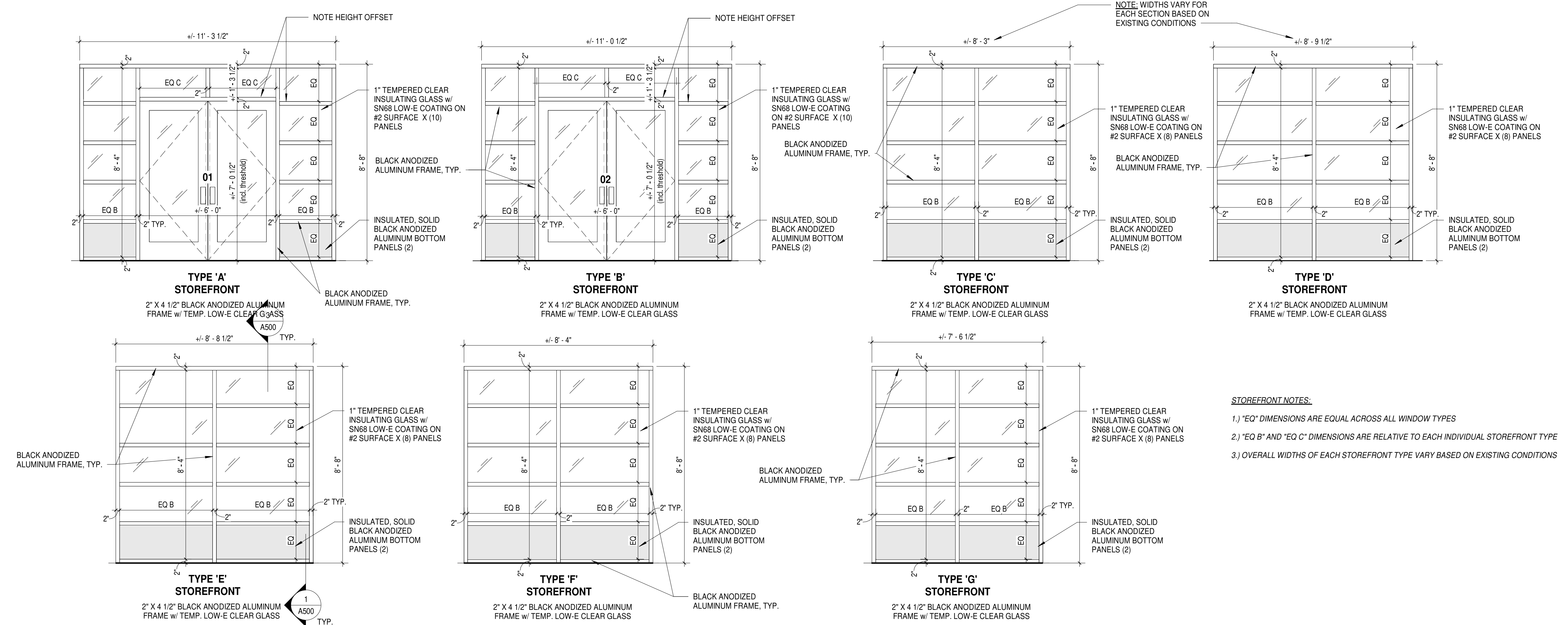
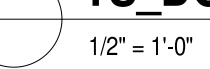
**TYPE 'A' DOORS (No.01 & No.02)**

EXTERIOR FULL LITE OUTSWINGING DOUBLE STOREFRONT ENTRY DOORS w/ 1" TEMPERED CLEAR INSULATING GLASS w/ SN68 LOW-E COATING ON #2 SURFACE. DOORS TO HAVE WIDE STILES, 10" BOTTOM RAIL & KEYED CENTER MULLION; BLACK ANODIZED ALUMINUM TO MATCH BLACK ANODIZED ALUMINUM STOREFRONT FRAME

**TYPE 'B' DOORS (No.03, No.04 & No.05)**

COMMERCIAL ALUMINUM & GLASS SECTIONAL OVERHEAD GARAGE DOOR; INSULATED BLACK ANODIZED ALUMINUM FRAME w/ TEMPERED CLEAR GLASS w/ LOW-E COATING

**TS DOOR TYPE LEGEND**



**STOREFRONT TYPES**

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

- STOREFRONT NOTES:**
- "EQ" DIMENSIONS ARE EQUAL ACROSS ALL WINDOW TYPES
  - "EQ B" AND "EQ C" DIMENSIONS ARE RELATIVE TO EACH INDIVIDUAL STOREFRONT TYPE
  - OVERALL WIDTHS OF EACH STOREFRONT TYPE VARY BASED ON EXISTING CONDITIONS

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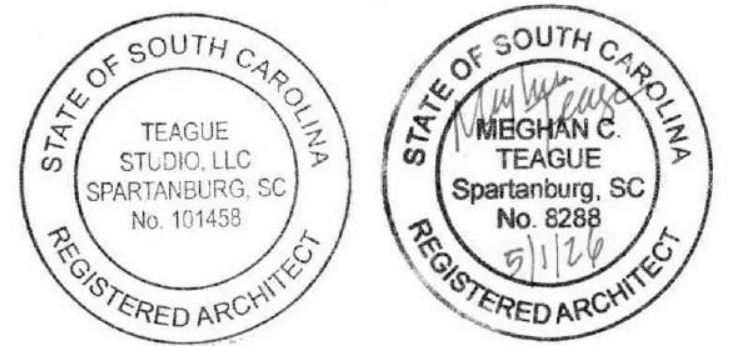
PROJECT NAME:

**SCC- GILES CAMPUS HORTICULTURE PAVILION RENOVATION**

PROJECT NUMBER:  
**H59-N385-PD**

DRAWING TITLE:  
**INTERIOR ELEVATIONS**

SEAL & SIGNATURE:



DRAWN BY: **RRB**

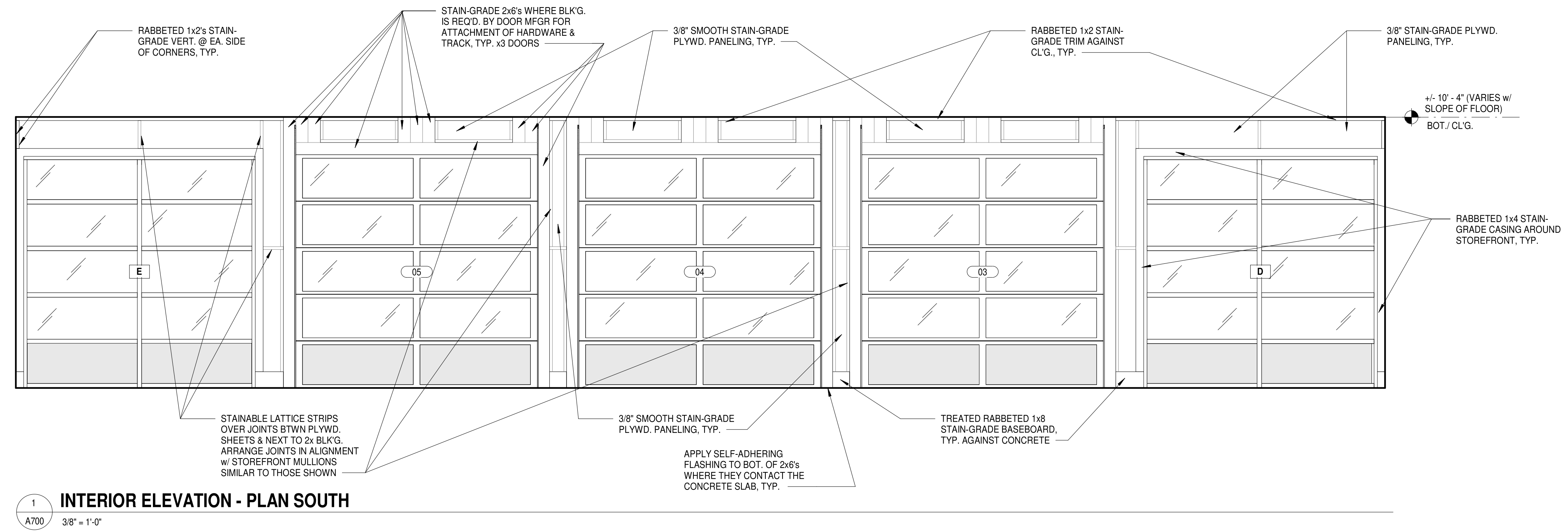
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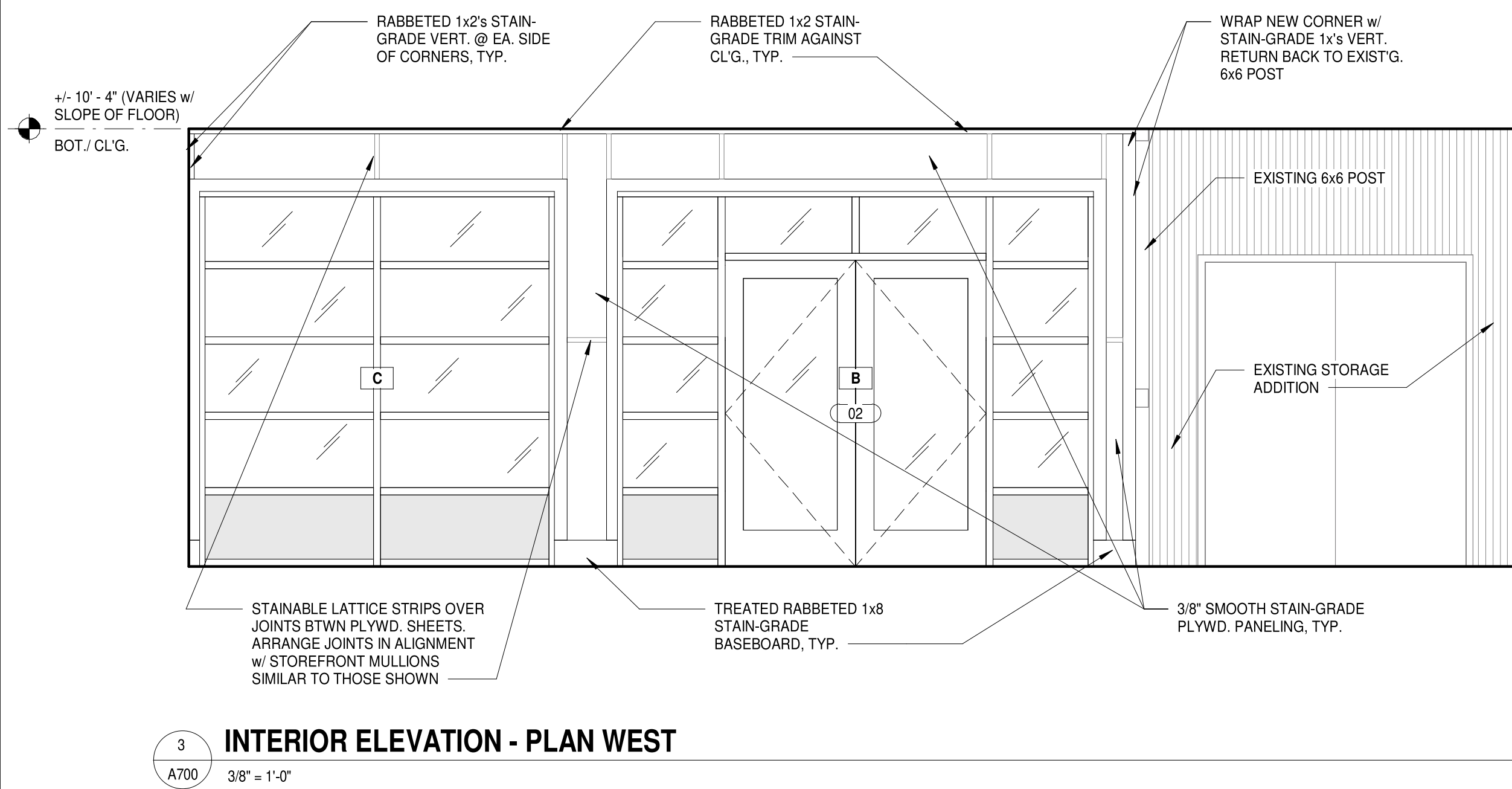
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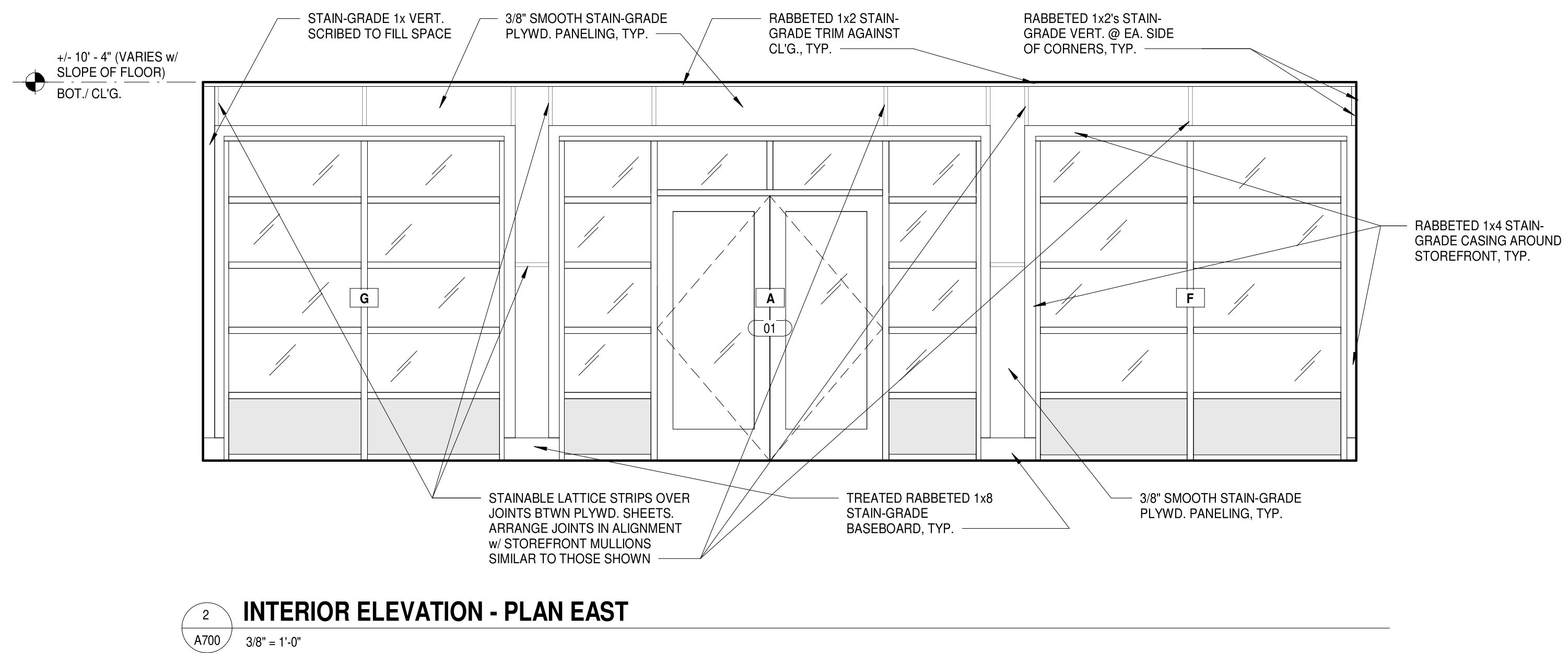
**A700**



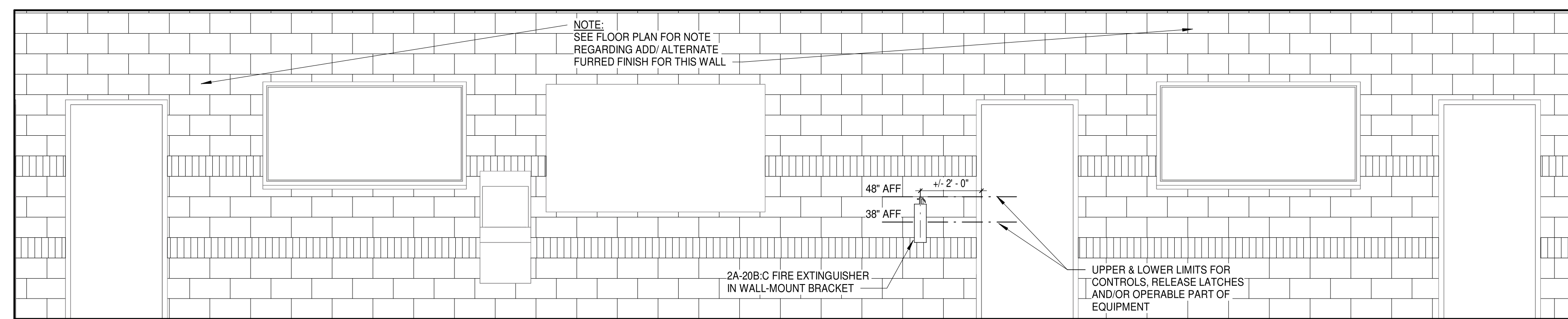
**1 INTERIOR ELEVATION - PLAN SOUTH**  
 A700 3/8" = 1'-0"



**3 INTERIOR ELEVATION - PLAN WEST**  
 A700 3/8" = 1'-0"



**2 INTERIOR ELEVATION - PLAN EAST**  
 A700 3/8" = 1'-0"



**4 INTERIOR ELEVATION - PLAN NORTH**  
 A700 3/8" = 1'-0"

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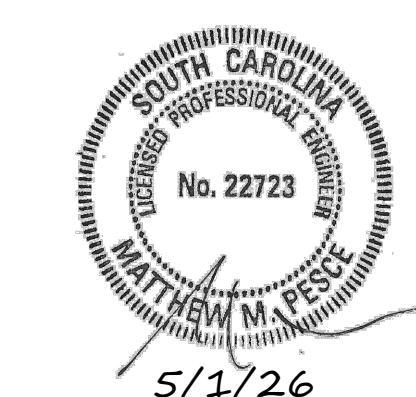
PROJECT NUMBER:

**H59-N385-PD**

DRAWING TITLE:

**MECHANICAL  
NOTES &  
VENTILATION  
SCHEDULE**

SEAL & SIGNATURE:



DRAWN BY: PD

CHECKED BY: LJ & MP

DATE: 5/01/26

100% CONSTRUCTION SET

DRAWING NO.:

**M-0.01**

CONSTRUCTION AND EQUIPMENT INSTALLATION GENERAL NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE STATE AND LOCAL CODES, INCLUDING SOUTH CAROLINA DEPARTMENT OF ADMINISTRATION-OFFICE OF THE STATE ENGINEER.
- DRAWINGS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
- COORDINATE WITH ALL TRADES PRIOR TO THE INSTALLATION OF ANY DUCTWORK OR REFRIGERANT PIPING.
- LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
- INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. PROVIDE EQUIPMENT SERVICE CLEARANCES PER MANUFACTURER(S).
- OWNER WILL DESIGNATE AN AREA ON SITE WHERE CONTRACTOR MAY PLACE STORAGE CONTAINERS DURING CONSTRUCTION.
- ALL MATERIALS REMOVED FROM THE SITE MUST FOLLOW RECYCLING AND WASTE DISPOSAL SPECIFICATIONS.
- CONTRACTOR(S) TO PROVIDE ALL MISC. MATERIALS REQUIRED FOR FULLY OPERABLE TURN-KEY SYSTEM.
- MAINTAIN A MINIMUM OF 8' CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES.
- PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE, IF APPLICABLE.
- SOLVENTS, PAINTS, ADHESIVES, SEALANTS AND OTHER BUILDING MATERIALS THAT EMIT POLLUTANTS THAT COULD CAUSE IRRITATION OR HEALTH PROBLEMS WILL REQUIRE ADEQUATE VENTILATION DURING CONSTRUCTION TO KEEP THE CONCENTRATIONS OF POLLUTANTS WITHIN EPA/OSHA APPROVED LIMITS. THE CONTRACTOR SHALL ALLOW FOR THE "BAKE-OUT" OF THE BUILDING BEFORE OCCUPANCY IN SUCH A WAY AS NOT TO DAMAGE COMPLETED WORK DUE TO TEMPERATURE AND HUMIDITY EXTREMES.
- ANY MODIFICATIONS TO THE DESIGN NECESSITATED BY A MATERIAL SUBSTITUTION SOUGHT BY CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MATERIALS, FINISHES, AND ELEMENTS (BOTH INTERIOR AND EXTERIOR) OF THE EXISTING BUILDING AND ITS GROUNDS. CONTRACTOR(S) TO PROTECT ADJACENT WORK AREAS AND FINISH SURFACES DURING INSTALLATION.
- ANY DISTURBANCES TO SITE IMPROVEMENTS SUCH AS SIDEWALKS, DRIVEWAYS, PLANTINGS, AND OTHER SITE IMPROVEMENTS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION. ALL REPAIRS SHALL BE MADE BY THE APPROPRIATE TRADES TO THE SATISFACTION OF THE OWNER AND ENGINEER/OWNER'S REPRESENTATIVE.
- THE CONTRACTOR AND ITS SUB-CRTRACTORS ARE TO FULLY REVIEW AND UNDERSTAND THE SCOPE OF WORK FOR THE PROJECT AS DEFINED IN THESE CONSTRUCTION DOCUMENTS.
- ALL AREAS SHALL BE PLACED IN A CLEAN, SAFE CONDITION AT THE END OF EACH WORKING DAY.
- CONTRACTOR SHALL SUBMIT NOTICE OF SUBSTANTIAL COMPLETION IN WRITING TO OWNER FOR APPROVAL. PROJECT SHALL BE DEEMED SUBSTANTIALLY COMPLETE WHEN ALL MAJOR

- EQUIPMENT IS INSTALLED AND FUNCTIONING AS INTENDED.
- CONTRACTOR TO REFERENCE SPECIFICATION SECTION 01 74 19 FOR CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL.

CONCRETE PAD GENERAL NOTES

- REINFORCEMENT, DETAILING, AND PLACEMENT OF CONCRETE SHALL CONFORM TO ASTM 315 AND ACI 318. CONCRETE SHALL CONFORM TO ASTM C94. CONCRETE WORK SHALL CONFORM TO GENERAL NOTES 415 ACI 318, PART ENTITLED "CONSTRUCTION REQUIREMENTS." CONCRETE SHALL BE CURED FOR 7 DAYS AFTER PLACEMENT.
- CONCRETE HOUSEKEEPING PADS TO SUIT MECHANICAL EQUIPMENT SHALL BE SIZED AND LOCATED BY THE MECHANICAL CONTRACTOR. MINIMUM CONCRETE PAD THICKNESS SHALL BE 6 INCHES AT THE CENTER. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 6 INCHES ON EACH SIDE. CONCRETE HOUSEKEEPING PADS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE SIZE AND LOCATION OF CONCRETE HOUSEKEEPING PADS WITH GENERAL CONTRACTOR.

DUCTWORK & GENERAL HVAC NOTES

- ALL DUCTWORK SHALL BE MANUFACTURED AND INSTALLED TO THE LATEST SMACNA STANDARDS. ALL DUCTWORK SHALL BE CONSTRUCTED TO SMACNA +/- 2 INWC OR HIGHER. NO SNAP-LOCK.
- ALL DUCTWORK SHALL BE INSULATED PER THE 2012 SOUTH CAROLINA ENERGY CONSERVATION CODE.
- FLEXIBLE DUCT SHALL BE SUPPORTED AND BRACED TO MAXIMIZE AIRFLOW, PER LATEST SMACNA STANDARDS.
- OFFSETS IN DUCTS, INCLUDING DIVIDED DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- SMOKE DETECTORS SHALL BE INSTALLED IN RETURN AIR DUCT OR EXHAUST DUCT AS SPECIFIED IN MECHANICAL DRAWINGS.
- DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS SHALL BE PAINTED FLAT BLACK.
- ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS AND DUCT SIZE SHALL BE INCREASED TO COMPENSATE FOR DUCT LINING THICKNESS.
- LOCATE ALL OUTSIDE AIR INTAKES A MINIMUM OF 10' CLEAR FROM ALL PLUMBING VENTS AND EXHAUST AIR DISCHARGE LOCATIONS.
- DUCT RUNOUTS TO DIFFUSERS SHALL MATCH THE SIZE OF THE DIFFUSER NECK.
- DUCT TAPS MUST BE 2" SMALLER THAN THE MAIN DUCT.
- FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECTION TO EQUIPMENT IN ALL DUCTWORK SYSTEMS.
- ALL 90-DEGREE SQUARE ELBOWS SHALL BE PROVIDED WITH DOUBLE RADIUS TURNING VANES.
- PROVIDE ACCESS DOORS TO ALL FIRE DAMPERS, SMOKE DAMPERS, SMOKE DETECTORS, VOLUME DAMPERS, MOTOR-OPERATED DAMPERS, HUMIDIFIERS, COILS, AND OTHER ITEMS LOCATED IN THE DUCTWORK REQUIRING ACCESS.
- DUCTWORK SHALL BE KEPT CLEAN OF DEBRIS DURING INSTALLATION. TEMPORARY HEPA FILTERS SHALL BE USED ON RETURN GRILLES DURING CONSTRUCTION TO PREVENT THE INTRODUCTION OF DEBRIS INTO DUCTWORK.
- PROVIDE DUCT TRANSITIONS FROM EQUIPMENT CONNECTIONS TO DUCT SIZES.
- UNLESS OTHERWISE NOTED, ALL DUCTWORK IS OVERHEAD, TIGHT TO THE UNDERSIDE OF THE STRUCTURE, WITH SPACE FOR INSULATION IF REQUIRED.

- RETURN AIR SHALL NOT BE TAKEN FROM A CLOSET, BATHROOM, TOILET ROOM, OR UNCONDITIONED ATTIC.
- PROVIDE PREFABRICATED INSULATED EQUIPMENT SUPPORT CURBS IF APPLICABLE. FLASH WITH SHEET METAL AND TRIM WITH ROOFING AND SEALANT TO MATCH EXISTING ROOFING. FOR ALL PIPING PENETRATIONS PROVIDE FLASHING COLLARS AND TRIM WITH ROOFING AND SEALANT TO MATCH EXISTING ROOFING.
- MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50. ALL EQUIPMENT LOCATED WITHIN THE PLENUM SHALL BE PLENUM-RATED.
- ALL OPENINGS IN FIRE WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE CAULKED WITH 3M FIRESTOP OR APPROVED EQUAL.
- ALL AIR CONDITIONING CONDENSATE DRAIN LINES FROM EACH AIR HANDLING UNIT AND ROOFTOP UNIT SHALL BE PIPED FULL SIZE OF THE UNIT DRAIN OUTLET, WITH "P" TRAP, AND PIPED TO NEAREST DRAIN IF APPLICABLE.
- ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
- LOCATE ALL MECHANICAL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO OTHER EQUIPMENT.
- TESTING, ADJUSTING, AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH THE AABC STANDARDS.

VENTILATION SCHEDULE - HP - 1

OCCUPANCY CLASSIFICATION	AREA S.F.	PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE CFM/PERSON	AREA OUTDOOR AIRFLOW RATE IN BREATHING ZONE CFM/S.F.	Max # Occupants Given by Owner	PEOPLE	OUTSIDE AIRFLOW REQUIRED CFM/PERSON	OUTSIDE AIRFLOW REQUIRED CFM/S.F.	Make-up air from Exhaust Fans	Total CFM	
CLASSROOM	1571	7.5	0.06	60	60	450	94	0	545	
KITCHEN	202	7.5	0.06	1	1	8	12	0	20	
MEN'S BATHROOM	148	N/A	N/A	N/A	N/A	0	0	140	140	
WOMEN'S BATHROOM	148	N/A	N/A	N/A	N/A	0	0	140	140	
EQUIPMENT CORRECTED CFM						HP - 1	845	1	845	845



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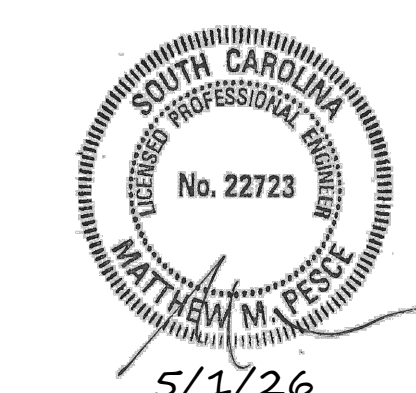
PROJECT NUMBER:

H59-N385-PD

DRAWING TITLE:

MECHANICAL  
SCHEDULES  
& SOO

SEAL & SIGNATURE:



DRAWN BY: PD

CHECKED BY: LJ & MP

DATE: 5/01/26

100% CONSTRUCTION SET

DRAWING NO.:

M-0.02

PACKAGED ROOFTOP UNITS																				
TAG	MODEL	Fan Data		Cooling Performance							EH + HP Performance				Electrical Data					NOTES
		ACFM	ESP (IWG)	TOTAL CAPACITY (BTU/h)	SENSIBLE CAPACITY (BTU/h)	EFFICIENCY (AT AHR)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	Electric Heat KW	OUTPUT (MBH)	EAT (°F)	LAT (°F)	VOLT/PH/Hz	INDOOR MOTOR HP	Unit FLA	Unit MCA	Unit MOCP	
HP-1	DSH1203L000141C	4026	1.20	116,672	92,952	15.2 IEER/11.4 EER	80.00	67.00	59.00	57.90	22.5/30	116	47	105.2	208/230/3/60	3.5	113.4/123.1	133/145	150/150	All

**NOTES:**

- PROVIDE FACTORY INSTALLED TWO STAGE COOLING
- PROVIDE FACTORY INSTALLED UNIT CONTROLLER, WITH BACNET COMMUNICATION, CAPABLE OF DEMAND CONTROLLED VENTILATION, ECONOMIZER CONTROL, HUMIDITY CONTROL SEQUENCES, AND TEMPERATURE CONTROL, DAIKIN ILINQ, OR APPROVED EQUAL
- PROVIDE FACTORY INSTALLED R32 SENSOR
- PROVIDE FIELD INSTALLED HAIL GUARD
- PROVIDE FIELD INSTALLED ULTRA LOW-LEAK HORIZONTAL ECONOMIZER W/ ENTHALPY SENSOR FOR DIFFERENTIAL CONTROL
- CONTRACTOR TO PROVIDE FUSED DISCONNECT SWITCH; SEE ELECTRICAL DRAWINGS/SPECS
- PROVIDE FACTORY INSTALLED HORIZONTAL DUCT CONNECTIONS
- PROVIDE WALL MOUNTED PROGRAMMABLE THERMOSTAT, CAPABLE OF 7 DAY SCHEDULING, DISPLAYING/CONTROLLING TEMPERATURE, AND HUMIDITY, DAIKIN MODEL D4272C, OR APPROVED EQUAL
- PROVIDE FIELD INSTALLED CO2 SENSOR FOR DEMAND CONTROL VENTILATION (WALL MTD)
- PROVIDE FIELD INSTALLED FILTRATION AT THE UNIT-MERV8
- PROVIDE DRAIN PAN OVERFLOW SWITCH
- UNIT WILL BE GROUND PAD MOUNTED
- PROVIDE SMOKE SENSOR IN RETURN DUCT

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE					
MARK	MODEL NUMBER	GRILL SIZE	DESIGN CFM	NECK SIZE	NOTES
RD1	HART COOLEY RE5	18" X 18"		20" DIA	1, 2
SD1	HART COOLEY ARS4	18" X 18"	470	14" DIA	1, 2
SD2	HART COOLEY ARS4	12 X 12"	215	12" DIA	1, 2
SD3	HART COOLEY ARS4	15" X 15"	290	12" DIA	1, 2

- INCLUDE INSULATED BLANKET.
- SEAL EDGES OF GRILLS AGAINST CEILING.

- PACKAGED HEAT PUMP HP-1 SEQUENCE OF OPERATIONS**
- DURING NORMAL OPERATION, HP-1 SHALL BE ENABLED (ON) AND DISABLED (OFF) BY THE SPACE THERMOSTAT.
  - HP-1 SHALL BE DISABLED UNLESS PHASE CONVERTER SENDS START SIGNAL INDICATING 3-PHASE POWER IS AVAILABLE.
  - HP-1 SHALL BE DISABLED BY INTERNAL ALARMS FOR REFRIGERANT LEAK OR OTHER CRITICAL UNIT ISSUES.

- OCCUPIED/UNOCCUPIED SCHEDULE**
- HP-1 SHALL OPERATE IN OCCUPIED OR UNOCCUPIED MODE AS DETERMINED BY SCHEDULE PROGRAMMED AT THE LOCAL SPACE THERMOSTAT
- WHEN IN OCCUPIED MODE THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY AND MODULATE SPEED TO MAINTAIN DESIGN CFM.
  - WHEN IN UNOCCUPIED MODE THE SUPPLY FAN SHALL OPERATE INTERMITTENTLY BASED ON A CALL FOR HEATING OR COOLING. WHEN OPERATING THE FAN SHALL MODULATE SPEED TO MAINTAIN DESIGN CFM.

- INDOOR TEMPERATURE CONTROL**
- INDOOR SPACE TEMPERATURE SHALL BE CONTROLLED BY THE SPACE THERMOSTAT.
  - COOLING MODE:
    - COOLING SETPOINTS SHALL BE
      - OCCUPIED MODE: 75°F (ADJ)
      - UNOCCUPIED MODE: 80°F (ADJ)
    - WHEN THE OUTSIDE AIR TEMPERATURE IS GREATER THAN 65°F THE HP SHALL BE IN COOLING MODE.
    - WHEN IN COOLING MODE HP-1 SHALL INHERENTLY MODULATE COMPRESSORS TO MAINTAIN DISCHARGE AIR TEMPERATURE OF 55°F (ADJ).
  - HEATING MODE:
    - HEATING SETPOINTS SHALL BE
      - OCCUPIED MODE: 70°F (ADJ)
      - UNOCCUPIED MODE: 65°F (ADJ)

- ONBOARD SMOKE DETECTOR**
- IF SMOKE IS DETECTED, THE ON-BOARD CONTROLLER SHALL SHUT DOWN THE UNIT.

- OUTSIDE AIR DEMAND CONTROLLED VENTILATION**
- WHEN HP-1 IS OFF OR IN THE UNOCCUPIED MODE THE OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL BE CLOSED.
  - WHEN HP-1 IS IN OCCUPIED MODE THE OUTSIDE AIR DAMPER SHALL BE CONTROLLED TO MAINTAIN CO<sub>2</sub> SETPOINT (1,000 PPM, ADJ) AS SENSED BY THE SPACE CO<sub>2</sub> SENSOR.
  - WHEN HP-1 IS IN OCCUPIED MODE, IF CO<sub>2</sub> SENSOR IS READING BELOW CO<sub>2</sub> SETPOINT (1,000 PPM, ADJ.), THE OUTSIDE AIR DAMPER SHALL BE SET TO THE VENT MINIMUM DEMAND CONTROLLED VENTILATION POSITION OF 106 CFM (ADJ) OF OUTDOOR AIR.
  - WHEN HP-1 IS IN OCCUPIED MODE, IF CO<sub>2</sub> SENSOR IS READING ABOVE CO<sub>2</sub> SETPOINT (1,000 PPM, ADJ.), THE OUTSIDE AIR DAMPER SHALL MODULATE BETWEEN THE VENT MINIMUM DEMAND CONTROLLED VENTILATION POSITION AND THE CODE VENT MINIMUM POSITION OF 845 CFM (ADJ) OF OUTDOOR AIR.
  - IF THE CO<sub>2</sub> SENSOR IS NOT AVAILABLE, THE OUTSIDE AIR DAMPER SHALL MAINTAIN AT THE CODE VENT MINIMUM POSITION.

- DEHUMIDIFICATION MODE**
- WHEN HP-1 IS IN OCCUPIED OR UNOCCUPIED MODE, DEHUMIDIFICATION MODE SHALL BE TRIGGERED WHENEVER SPACE HUMIDITY SENSOR IS ABOVE 60% (ADJ).

- ECONOMIZER MODE**
- HP-1 SHALL BE IN ECONOMIZER MODE WHEN OUTSIDE AIR ENTHALPY IS LESS THAN RETURN AIR ENTHALPY.
  - IN ECONOMIZER MODE THE OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE.
    - OUTSIDE AIR DAMPER POSITION SHALL NOT BE LESS THAN REQUIRED FOR MINIMUM OCCUPIED OUTSIDE AIR CFM OR CO<sub>2</sub> SETPOINT.
  - IN ECONOMIZER MODE THE EXHAUST DAMPER SHALL BE FULL OPEN. THE EXHAUST FAN SHALL MODULATE SPEED TO MAINTAIN BUILDING PRESSURE SETPOINT OF 0.05" WC (ADJ).

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PROJECT NAME:

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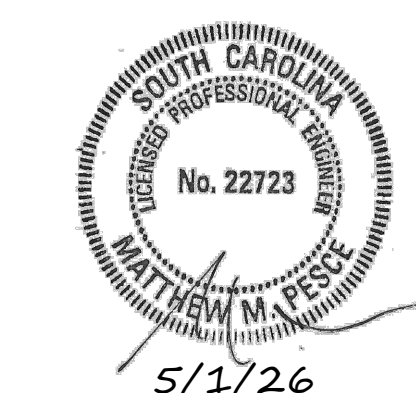
PROJECT NUMBER:

H59-N385-PD

DRAWING TITLE:

MECHANICAL  
NEW WORK

SEAL & SIGNATURE:



DRAWN BY: PD

CHECKED BY: LJ & MP

DATE: 5/01/26

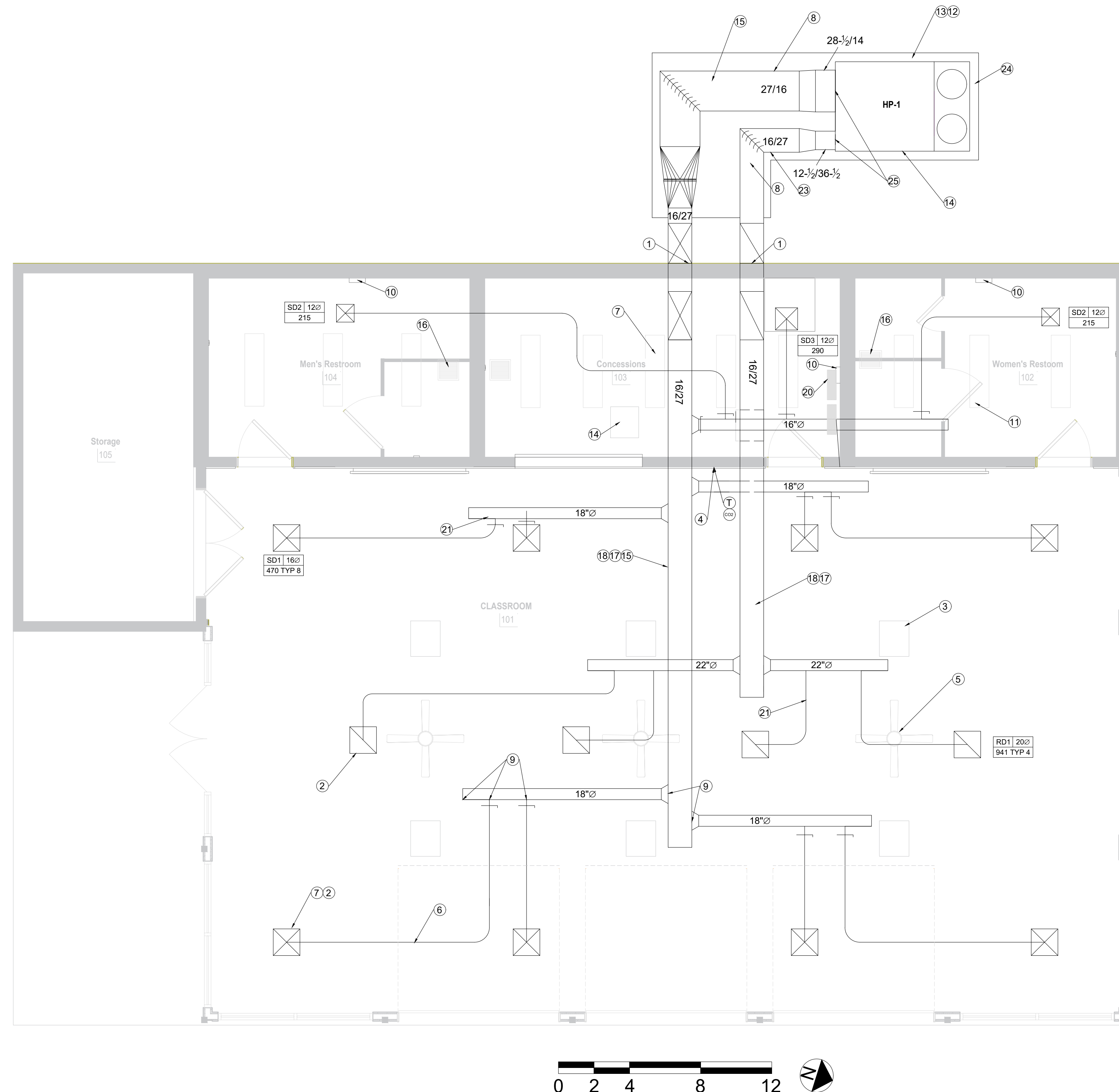
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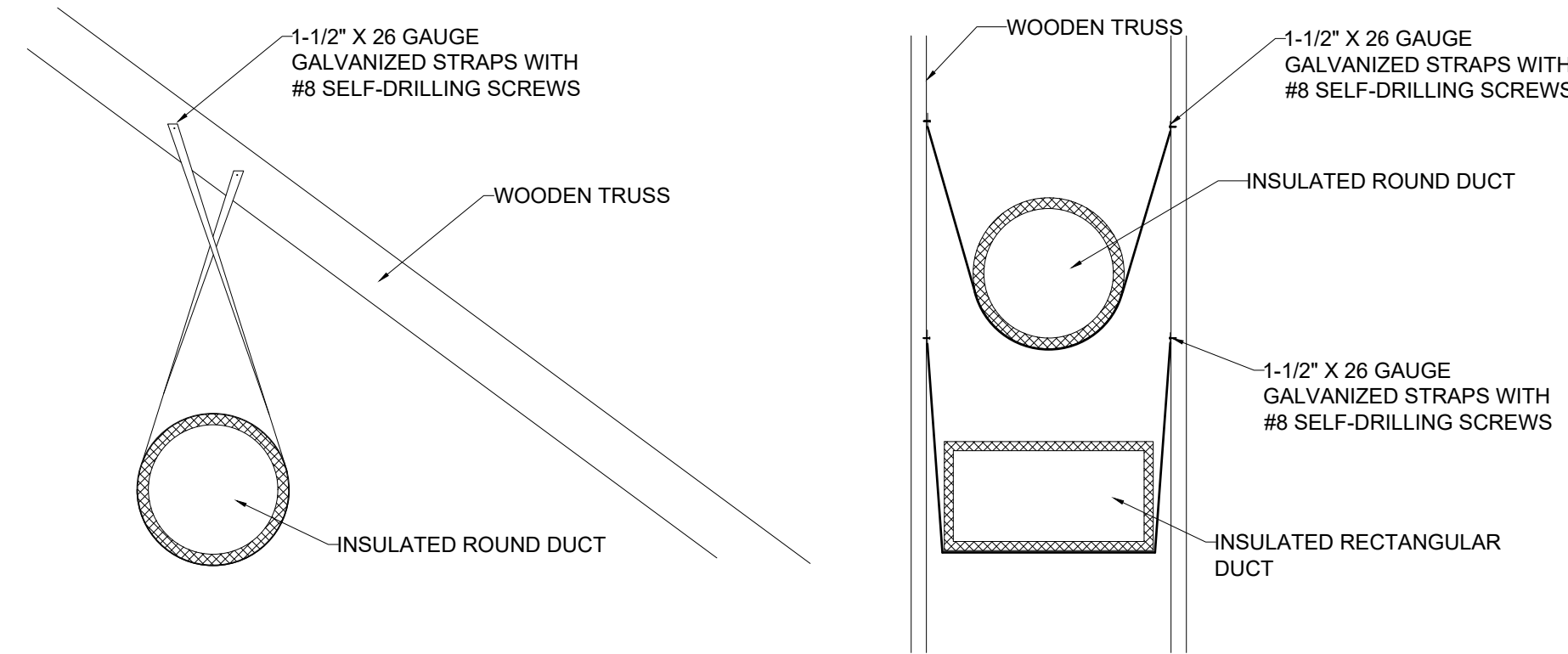
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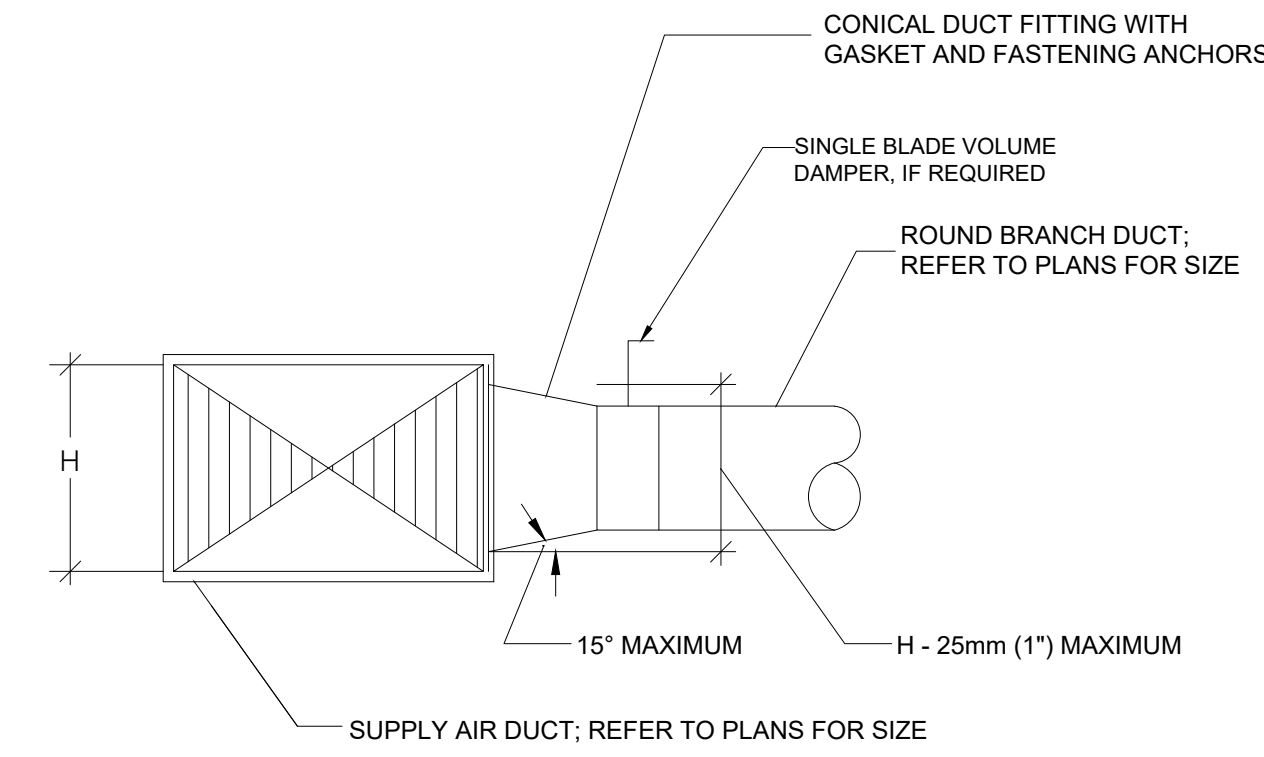
MECHANICAL KEY NOTES:

- DUCT PENETRATION THROUGH WALL UNDER FIRST COURSE OF CMU BLOCKS. CUT EXISTING BLOCK TO ALLOW FOR DUCT ACCESS. SEAL AND FIRESTOP PENETRATION ON BOTH INTERIOR AND EXTERIOR. PER CODE.
- CUT CEILING PANELS TO SIZE PER MANUFACTURER INSTRUCTIONS. INSTALL DUCT COLLAR AND ENSURE GRILLES ARE FLUSH. RUN A CONTINUOUS BEAD OF NON-SHRINKING CAULK, SASHCO BIG STRETCH SEALANT, OR APPROVED EQUAL. PROVIDE AND INSTALL INSULATED BLANKET OVER SUPPLY AND RETURN GRILLES/REGISTERS (TYP).
- EXISTING ATTIC HATCH (TYP).
- CONCEAL THERMOSTAT AND CO<sub>2</sub> SENSOR WIRING IN CHANNEL RACEWAY.
- EXISTING CEILING FAN TO REMAIN (TYP).
- FLEX DUCT PATHS ARE DIAGRAMMATIC AND NOT INTENDED TO BE EXACTLY FOLLOWED. USE SHORTEST RUN OF FLEX DUCT FROM TAKE-OFF TO GRILLE/REGISTER WHILE STILL PROPERLY SUPPORTING, PER SMACNA (TYP).
- COORDINATE WITH ELECTRICAL CONTRACTOR TO ENSURE PROPER CLEARANCE BETWEEN DUCT, DIFFUSERS, AND LUMINAIRES (TYP).
- INSTALL NEW DUCTWORK TO RTU-1 AT INDICATED POINTS OF CONNECTION. SUPPORT ALL EXTERIOR HORIZONTAL DUCTWORK WITH 18" MIRO (4-DSA-18) ADJUSTABLE SUPPORTS PER MANUFACTURER. SUPPORT ALL EXTERIOR VERTICAL DUCTWORK WITH ANGLE IRON OR STRUT SUPPORTS, PRODUCT MUST BE MANUFACTURED FOR THIS PURPOSE AND INSTALLED FOLLOWING MANUFACTURERS INSTRUCTIONS. PROVIDE AND INSTALL WEATHER-PROOF ALUMAGUARD JACKET OUTSIDE. PROVIDE AND INSTALL EXTRUDED POLYSTYRENE OR SIMILAR CELL HARD BOARD INSULATION TO A THICKNESS OF R-8. MASTIC ALL DUCT-TO DUCT CONNECTIONS.
- ENSURE MIN. 18" O.C. BETWEEN DUCT TAKE-OFFS AND BETWEEN TAKE-OFFS AND DUCT ENDS.
- EXISTING ELECTRIC HEATER TO REMAIN (TYP).
- EXISTING LUMINAIRE TO BE REPLACED BY EC. (TYP).
- POUR A 4,000 PSI 6" THICK CONCRETE EQUIPMENT PAD WITH A MIN. 4" COMPACTED STONE LAYER BENEATH THE ENTIRE PAD FOR THE HEAT PUMP. ENSURE UNIT WILL SIT WITH AT LEAST 4" OF PAD ON ALL SIDES, OR PER MANUFACTURER IF LARGER. PAD WILL HAVE AT LEAST 3" OF EXPOSURE ABOVE GRADE. PER SC IMC 304.10. FORM WEAKENED-PLANE CONTROL JOINTS IN PAD AT A DEPTH OF ONE-FOURTH (¼) THE CONCRETE THICKNESS. SPACE JOINTS (IN FEET) NO MORE THAN 2-3 TIMES THE SLAB THICKNESS (IN INCHES). LEVEL PAD AND APPLY BROOM FINISH. ENSURE ANY EARTHWORK PERFORMED UNDER PAD IS DONE WHERE THE GROUND HAS BEEN ADEQUATELY COMPACTED TO SUPPORT THE WEIGHT OF THE EQUIPMENT AND HAS THE PROPER GRADE TO PROVIDE ADEQUATE DRAINAGE AWAY FROM BUILDING.
- CONTRACTOR TO LOCATE UNDERGROUND UTILITIES BEFORE PERFORMING ANY EARTHWORK OR POURING THE PAD.
- INSTALL NEW CEILING HATCH WHICH CLEARS INSTALLED DUCT WORK, FOLLOW SIZE AND CONSTRUCTION OF EXISTING HATCHES. FINAL LOCATION TO BE APPROVED BY OWNER.
- ALL DUCTWORK SIZES ARE INDICATED WITHOUT INSULATION. INTERIOR AND ATTIC RIGID DUCT TO BE INSULATED USING FSK-JACKETED MINERAL FIBER BLANKET TO A THICKNESS OF R-6. SEE DUCT INSULATION SPECIFICATION FOR INSULATION SCHEDULE (TYP).
- REPLACE RESTROOM EXHAUST FAN, GREENHECK SP-A250-QD, OR APPROVED EQUIVALENT. EXHAUST FLOW SET TO VENTILATION VALUE. FANS AND LIGHTS ARE TO BE CONTROLLED WITH NEW DUAL TECHNOLOGY OCCUPANCY SWITCH. SEAL HOLE WITH NON-SHRINKING CAULK, SASHCO BIG STRETCH SEALANT, OR APPROVED EQUAL.
- SEAL ALL LONGITUDINAL SEAMS AND TRANSVERSE DUCT JOINTS USING FIBERGLASS MESH TAPE AND MASTIC, OR FOLLOW MANUFACTURER'S DIRECTIONS. FOR GAPS LARGER THAN ¼", USE UL-R11374 LISTED SEALING PUTTY, RAINBOW TECHNOLOGY DUCT SEAL PUTTY 795XX, OR APPROVED EQUIVALENT BEFORE APPLYING TAPE AND MASTIC. SNAP-LOC SEAMS ARE NOT ALLOWED.
- REINFORCE RIGID DUCT JOINTS PER SMACNA HVAC DUCT CONSTRUCTION STANDARDS: METAL AND FLEXIBLE.
- DO NOT SPLICE FLEXIBLE DUCT UNLESS THE REQUIRED LENGTH IS LONGER THAN THE MAXIMUM LENGTH AVAILABLE. IF OFF-CUTS ARE DESIRED TO BE COMBINED, AUTHORIZATION MUST BE PROVIDED BY ENGINEER, AND SMACNA STANDARDS MUST BE FOLLOWED.
- NEW ELECTRIC PANELBOARD. SEE ELECTRIC PANELBOARD SCHEDULE.
- TAB TO BALANCE THE SUPPLY REGISTERS. RETURN REGISTERS ARE NOT BEING BALANCED.
- NO LONGER USED.
- INSTALL SMOKE SENSOR IN RETURN DUCT, PER SC IMC 606. PROVIDE ACCESS DOOR, IF NECESSARY.
- INSTALL A CONDENSATE TRAP PER MANUFACTURER'S DIRECTIONS. END OF CONDENSATE DRAIN MUST BE IN A LOCATION WHERE IT ALLOWS FOR PROPER DRAINAGE AND NOT COLLECT AROUND THE UNIT OR PAD.
- USE UL 181-A RATED TAPE AND MASTIC AS WELL AS APPROPRIATE MECHANICAL FASTENERS ON TRUNK DUCT CONNECTIONS TO HP-1 TO ENSURE A PROPER SEAL. FOLLOW SMACNA STANDARDS AND/OR MANUFACTURERS RECOMMENDATIONS.



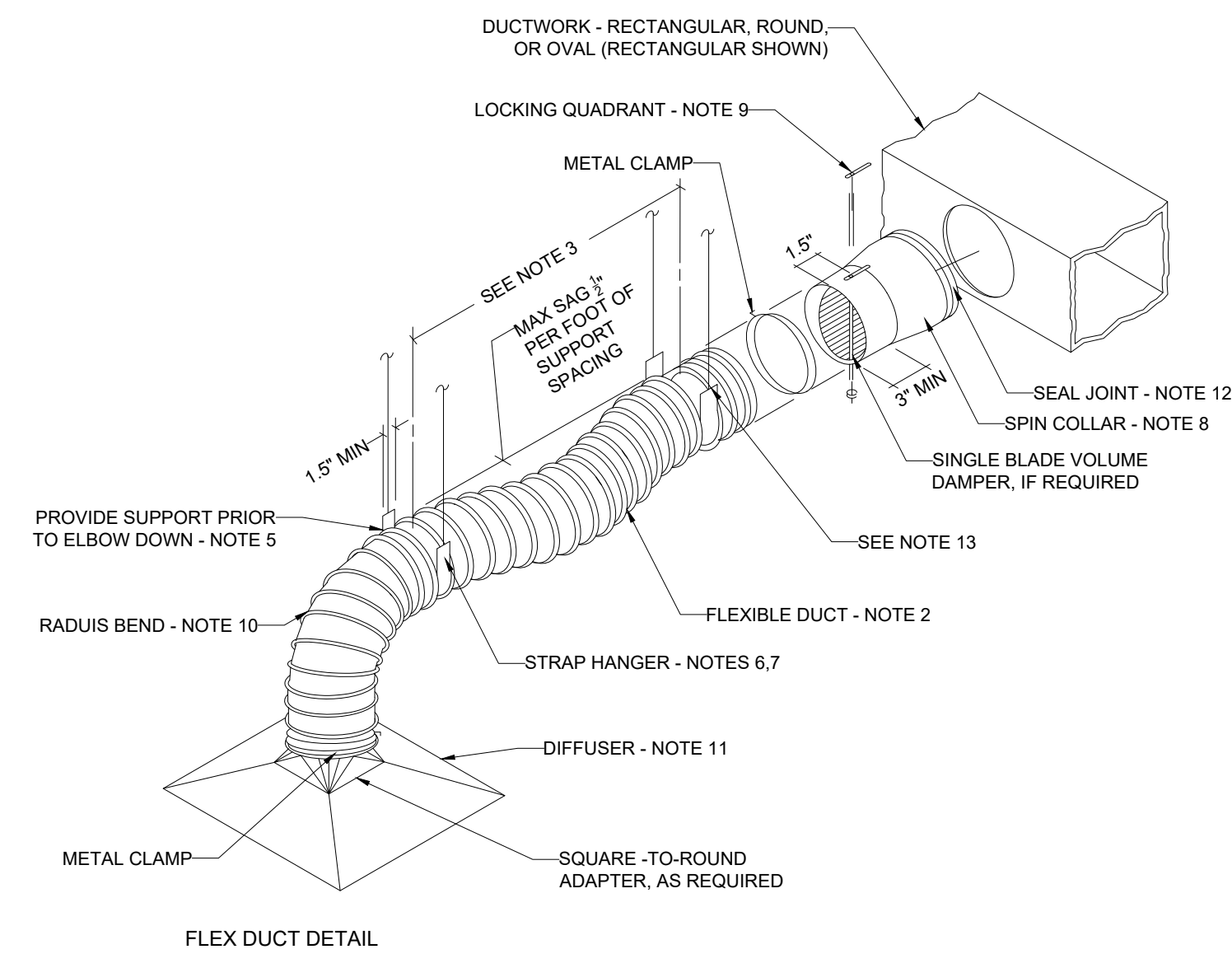


1 RIGID DUCT SUPPORT DETAIL  
NO SCALE



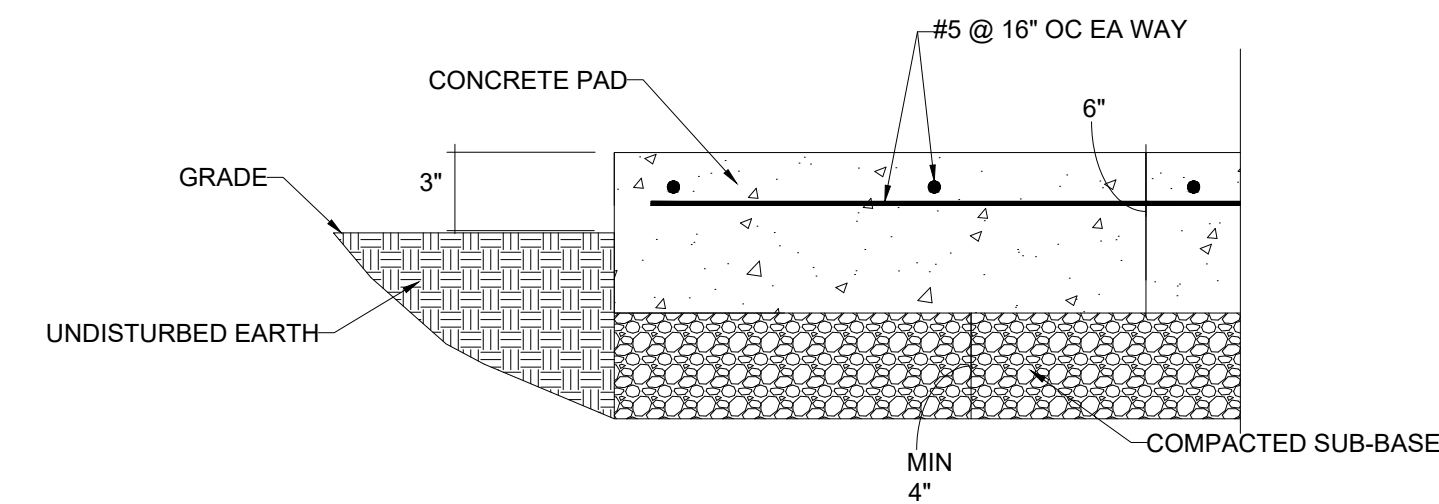
- NOTES:
1. CONICAL FITTING SHALL BE MECHANICALLY FASTENED AND SEALED PER SPECIFICATIONS. AT A MINIMUM, USE TAPE AND MASTIC ON ALL SEAMS.
  2. VOLUME DAMPER TO BE INSTALLED IN OPEN POSITION-FINAL ADJUSTMENT BY TEST&BALANCE CONTRACTOR, IF APPLICABLE.
  3. INSTALL LOCKING QUADRANT AND HANDLE ON TOP OF DUCT. PROVIDE EXTENSION ROD TO ACCOMMODATE INSULATION AS NECESSARY, IF APPLICABLE.

2 RIGID DUCT TAKE-OFF DETAIL  
NO SCALE



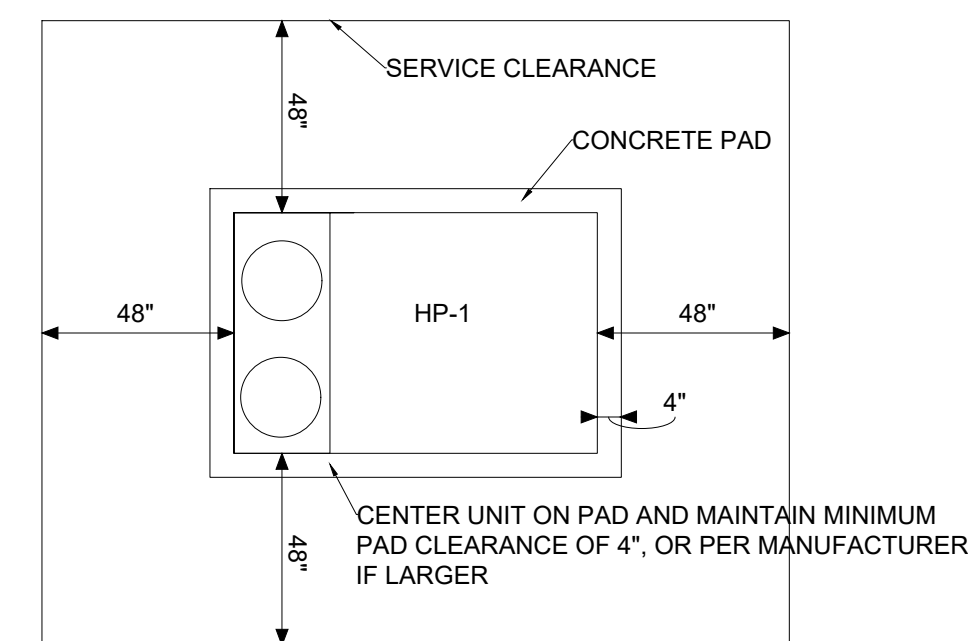
3 FLEX DUCT DETAIL  
NO SCALE

- NOTES:
1. NO INSULATION IS SHOWN AS PART OF THIS DETAIL - SEE SPECIFICATIONS FOR INSULATION REQUIREMENTS.
  2. FLEXIBLE DUCT SHALL BE PRE-INSULATED AS REQUIRED. DUCT SHALL BE INSTALLED, SUPPORTED, AND PERMANENTLY SEALED TO PREVENT KINKING AND SHARP TURNS.
  3. SUPPORT INTERVALS MUST FOLLOW MANUFACTURER'S RECOMMENDATION, BUT SHALL BE NO GREATER THAN 4 FEET APART.
  4. MAXIMUM SAG SHALL NOT BE MORE THAN 1/2 INCH PER FOOT BETWEEN THE SUPPORTS.
  5. LONG HORIZONTAL DUCT RUNS WITH SHARP BENDS SHALL HAVE AN ADDITIONAL SUPPORT BEFORE AND AFTER THE BEND.
  6. SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE. SUPPORTS MUST BE STRAPS, MIN. 1.5 INCHES WIDE AND MANUFACTURED TO SUPPORT FLEX DUCT.
  7. STRAPS SHOULD NOT COMPRESS THE INNER CORE OR EXCESSIVELY COMPRESS THE INSULATION. IF A STRAP IS CAUSING EXCESSIVE COMPRESSION, A DUCT SADDLE IS TO BE USED, THERMOFLEX DUCT SADDLE, OR APPROVED EQUAL.
  8. SPIN-IN COLLAR TO BE INSTALLED IN OPEN POSITION - FINAL ADJUSTMENT BY TEST & BALANCE CONTRACTOR, IF APPLICABLE.
  9. INSTALL LOCKING QUADRANT AND HANDLE ON TOP OF DUCT. PROVIDE EXTENSION ROD TO ACCOMMODATE INSULATION AS NECESSARY, IF APPLICABLE.
  10. MIN. CENTER LINE OF BEND RADIUS IS ONE DIAMETER (OR INSIDE RADIUS OF D/2).
  11. SEE DIFFUSER SCHEDULE FOR DIFFUSER TYPES. DIFFUSER MAY BE DIFFERENT FROM ONE SHOWN IN DIAGRAM. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
  12. PULL INSULATION TO EDGE OF DUCTWORK/DIFFUSER AS REQUIRED TO SEAL VAPOR BARRIER. STRAP INSULATION, TAPE AND SEAL ALL JOINTS WITH MASTIC TO PREVENT LEAKAGE AND MOISTURE MIGRATION.
  13. A SUPPORT SHOULD BE INSTALLED BETWEEN A TAKE-OFF CONNECTION AND A BEND. THE DUCT SHOULD BE ALLOWED TO EXTEND STRAIGHT FOR AT LEAST ONE DUCT DIAMETER BEFORE MAKING THE BEND.
  14. VERTICALLY INSTALLED DUCTS SHALL BE SUPPORTED EVERY 6 FEET AT A MINIMUM.
  15. STRAP INNER LINING OF DUCT AND SEAL WITH TAPE AND MASTIC WHEN CONNECTING TO GRILLE/DIFFUSER AND TAKE-OFF ENDS.

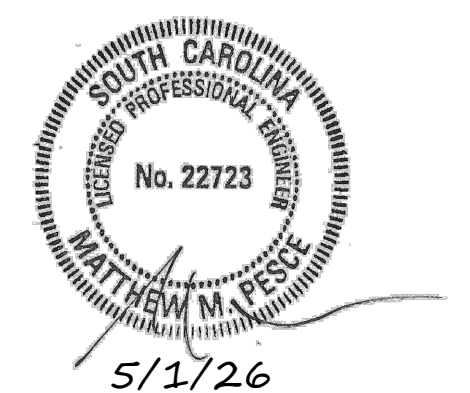


- NOTES:
1. COORDINATE LOCATION OF EQUIPMENT BOLTS AND PAD WITH EQUIPMENT SUPPLIER'S DRAWINGS. MECHANICAL DRAWINGS FOR LOCATION AND SIZE OF EQUIPMENT PADS.
  2. PLACE BARS IN TOP THIRD OF SLAB.

4 EXTERIOR EQUIPMENT PAD DETAIL  
NO SCALE



5 PACKAGE HEAT PUMP SERVICE CLEARANCE  
NO SCALE



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PROJECT NAME:

**SCC- GILES CAMPUS  
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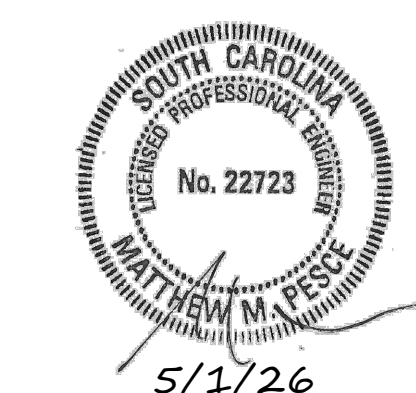
PROJECT NUMBER:

**H59-N385-PD**

DRAWING TITLE:

**MECHANICAL  
 DETAILS 2**

SEAL & SIGNATURE:



DRAWN BY: PD

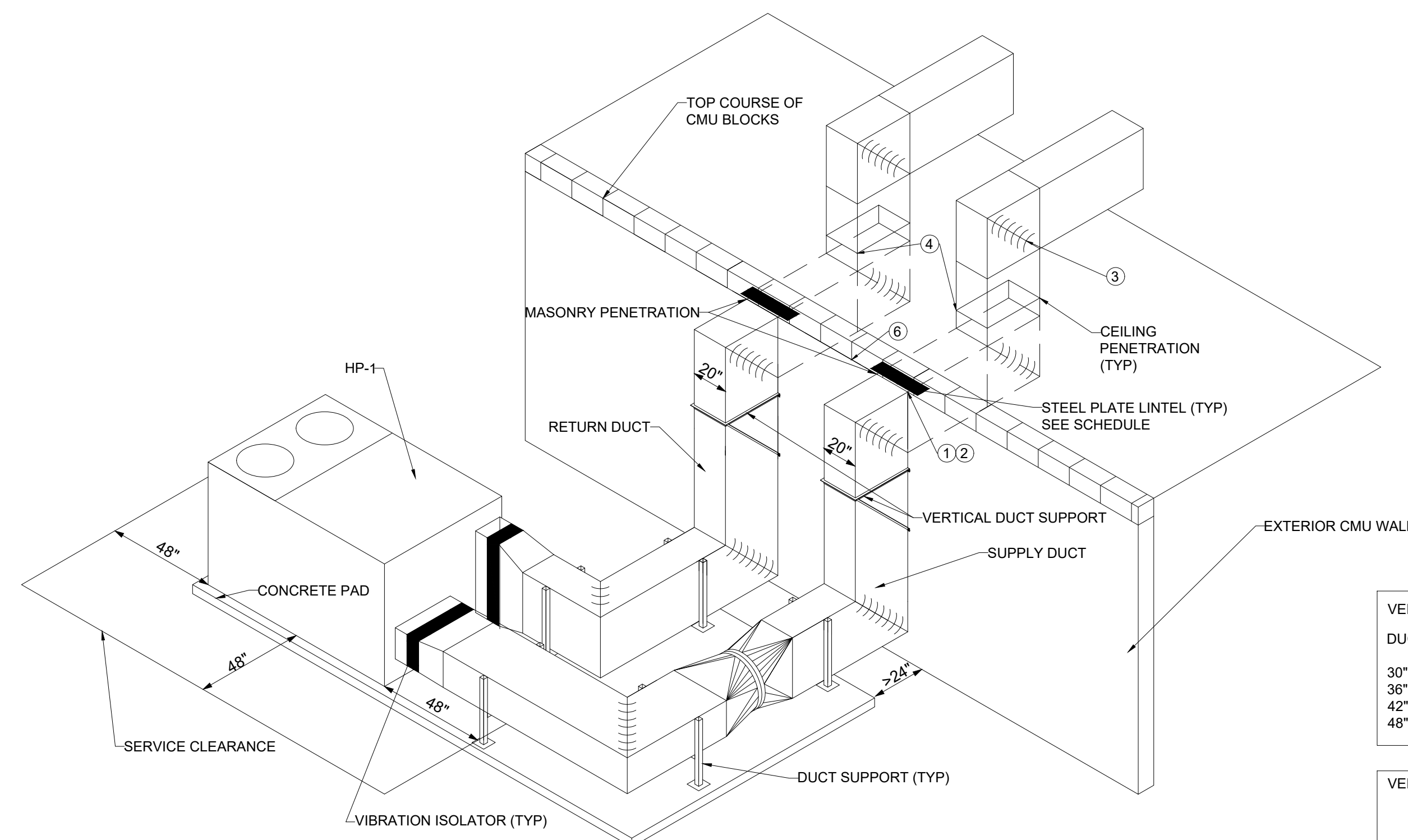
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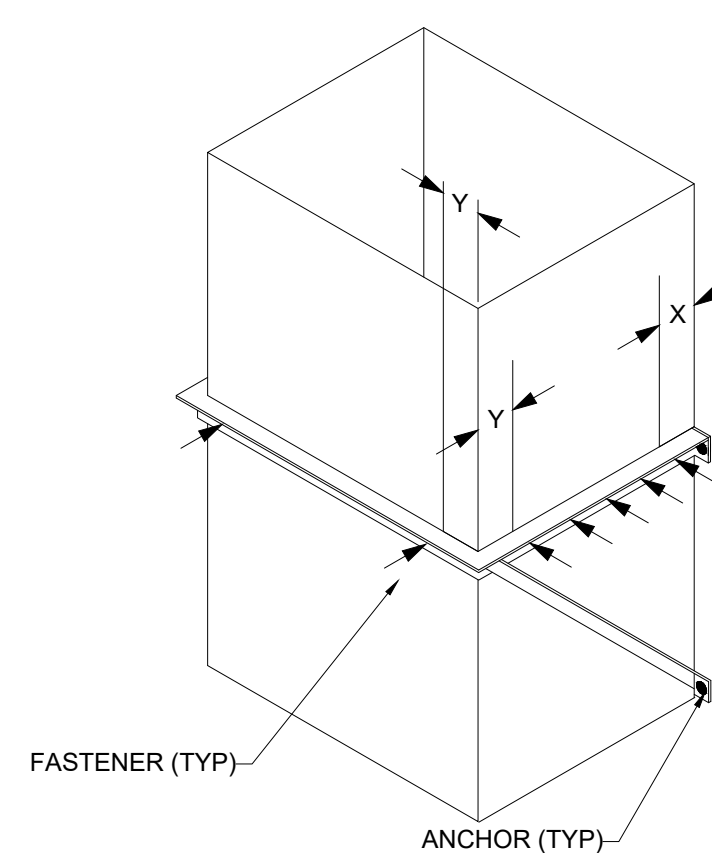
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KEY NOTES:

1. LINE UP PENETRATIONS SO SUPPLY AND RETURN DUCTS PENETRATE WALL BETWEEN JOISTS, ALLOWING DUCTS TO TURN INTO ATTIC BETWEEN TRUSSES WITHOUT TURNING. NOTE: DUCT WIDTH INCLUDES 2" OF INSULATION ON EACH SIDE.
2. MASONRY PENETRATION SHOULD BE MADE UNDER FIRST COURSE OF CMU BLOCKS WITH DUCT SITTING FIRMLY ON BLOCKS. USE STEEL LINTEL, SEE LINTEL SCHEDULE. USE 4" BEARING ON EACH SIDE OF LINTEL AND EMBED LINTEL BEARING IN MORTAR JOINT.
3. ALL 90-DEGREE ELBOWS SHALL BE PROVIDED WITH SINGLE RADIUS TURNING VANES AND TYPE 2 RUNNERS. SEE DETAIL 5 FOR SCHEDULE (TYP).
4. FIRESTOP CEILING PENETRATION USING SHEET METAL AND FOAM TO CODE, SC IBC 714.6. SEAL INSIDE OF WIRE CONDUIT TERMINATION POINT AFTER WIRING HAS BEEN INSTALLED AND ANY OTHER CONDUIT AND WIRING HOLES IN HP-1 WITH A UL-R11374 LISTED SEALING PUTTY, RAINBOW TECHNOLOGY DUCT SEAL PUTTY 795XX, OR APPROVED EQUIVALENT.
5. LEAVE ONE TRUSS SPAN BETWEEN PENETRATIONS TO ENSURE ADEQUATE PIER WIDTH.

**1** HP-1 DUCT DETAIL  
 NO SCALE



NOTES:

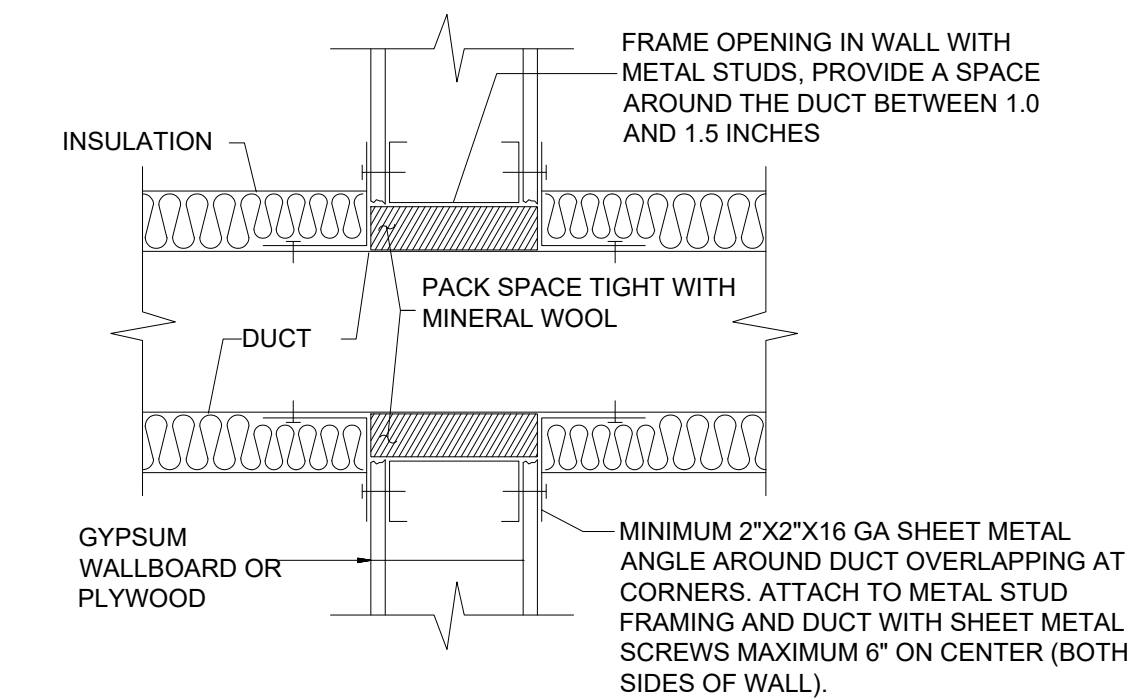
1. ATTACH DUCT TO VERTICAL SUPPORTS USING FASTENER SCHEDULE. X = 1", Y = 2". ADD OTHERS TO ACCOMMODATE LOAD. MINIMUM OF 3 ON 24" WIDTH AND UP. ADD ALONG SIDES NEAREST ANCHORS.
2. LOCATE DUCTS AGAINST WALL OR MAXIMUM OF 2" AWAY FROM WALL.

**2** VERTICAL DUCT SUPPORT DETAIL  
 NO SCALE

DUCT SIZE	ANGLE
30" X 12"	1" X 1" X 1/8"
36" X 18"	1" X 1" X 1/8"
42" X 24"	1 1/2" X 1 1/2" X 1/8"
48" X 30"	1 1/2" X 1 1/2" X 1/8"

DUCT GAUGE	ALLOWABLE LOAD PER FASTENER
28, 26	25 LB
24, 22, 20	35 LB
18, 16	50 LB

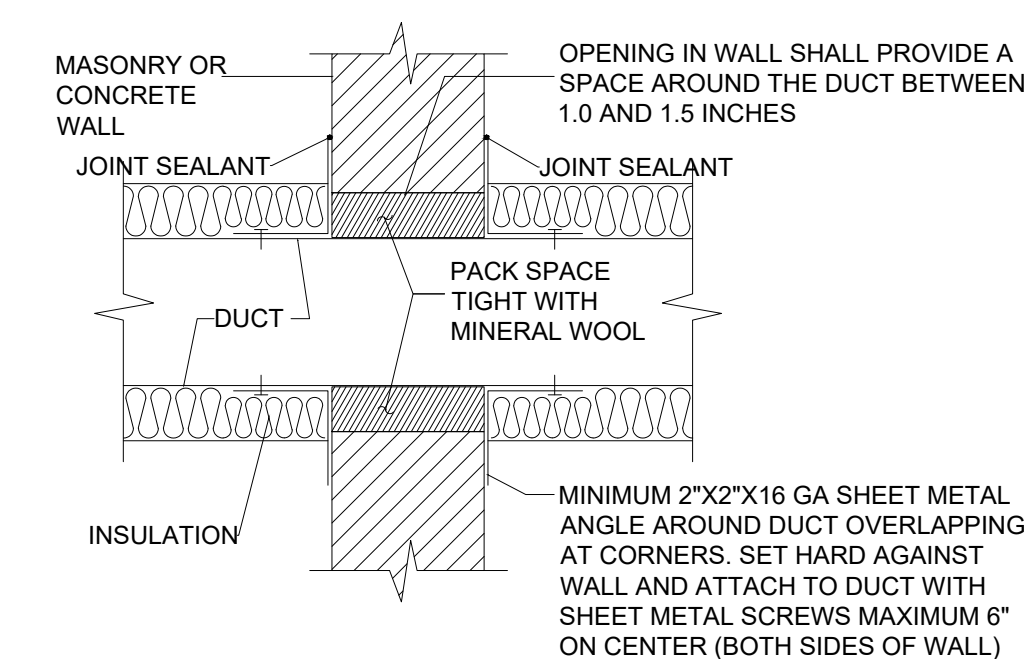
SIZE	STEEL TYPE
4" X 3/8" PLATE	ASTM A36



NOTES:

1. DETAIL FOR GYPSUM OR PLYWOOD WALL WITH FIRE RATING 1.0 HOUR OR LESS AND WITHOUT FIRE DAMPER

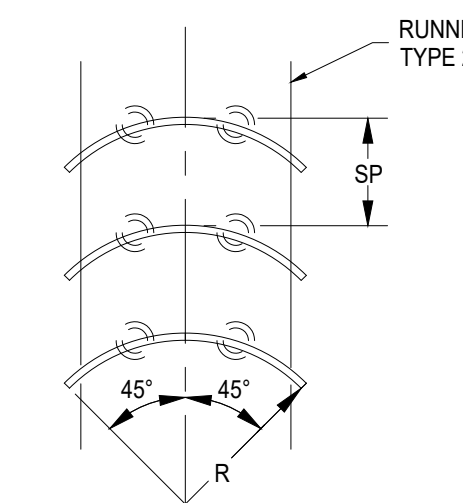
**3** DUCT GYPSUM OR PLYWOOD WALL PENETRATION DETAIL  
 NO SCALE



NOTES:

1. DETAIL FOR MASONRY OR CONCRETE WALL WITH FIRE RATING 1.0 HOUR OR LESS AND WITHOUT FIRE DAMPER

**4** DUCT MASONRY WALL PENETRATION DETAIL  
 NO SCALE



NOTES:

1. RUNNERS MAY BE BOLTED, SCREWED, OR WELDED TO DUCTS.
2. OTHER RUNNERS MAY BE USED AS APPROPRIATE. OTHER VANE SIZES, SPACINGS OR CONFIGURATIONS ARE ACCEPTABLE UPON OWNER'S APPROVAL.
3. VANES SHALL BE GALVANIZED STEEL AND SECURELY FASTENED TO RUNNERS.
4. MAXIMUM UNSUPPORTED VAN LENGTH IS 36 IN.
5. WHERE TURNING VANE ASSEMBLIES ARE PLACED INSIDE LINED DUCTS OR FITTINGS, THE INSTALLATION MUST NOT DAMAGE THE LINER, CAUSE EROSION OF THE LINER.

SINGLE VANE SCHEDULE			
	R	SP	GAGE
LARGE	4 1/2 IN.	3 1/2 IN.	22

**5** DUCT TURNING VANE DETAIL  
 NO SCALE



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PROJECT NAME:

**SCC- GILES CAMPUS  
HORTICULTURE  
PAVILION RENOVATION**

PROJECT NUMBER:

**H59-N385-PD**

DRAWING TITLE:

**ELECTRICAL  
PLAN**

SEAL & SIGNATURE:



5/01/2026

DRAWN BY:

CHECKED BY:

DATE: 5/01/26

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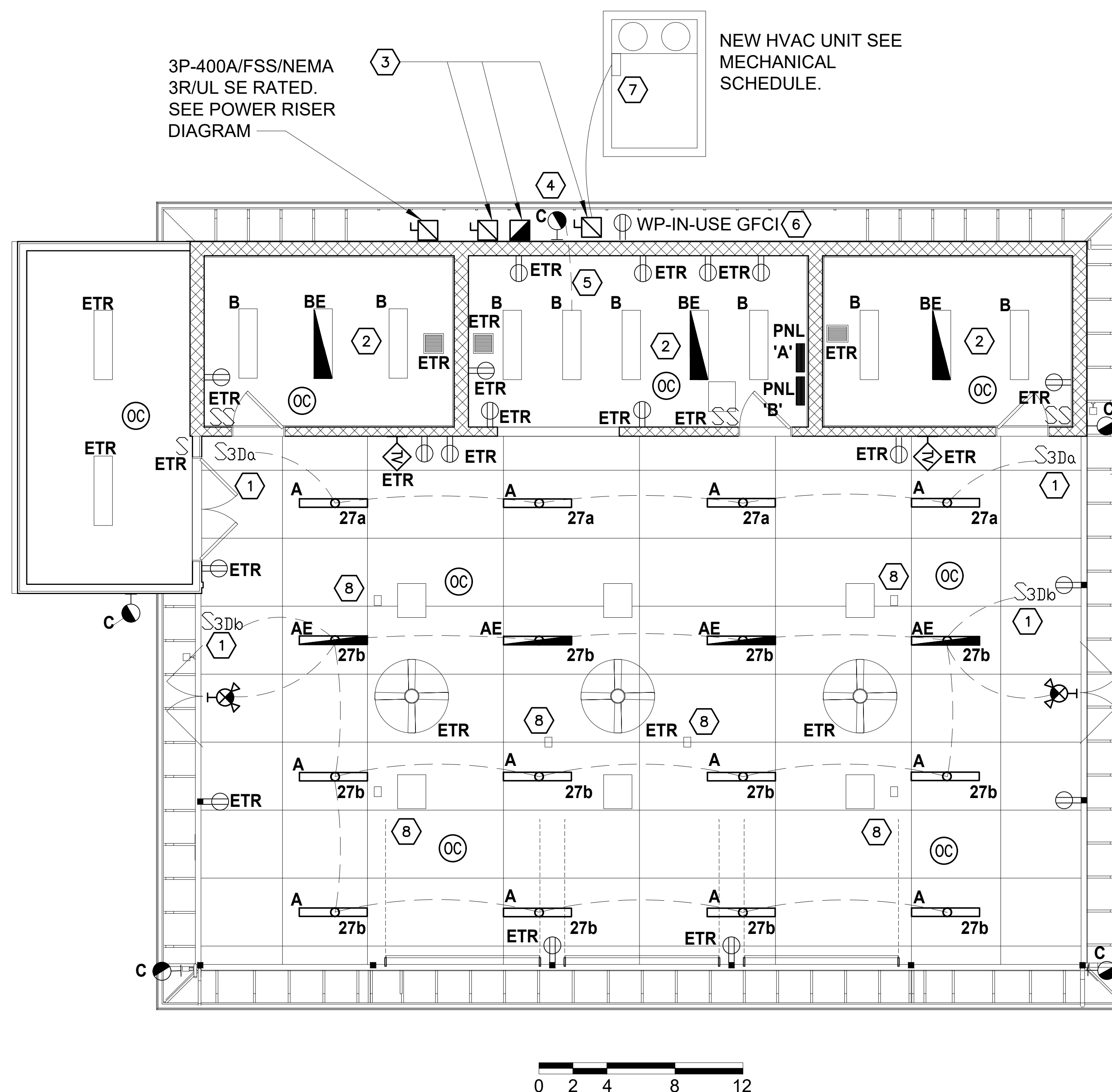
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KEY NOTES:

- ① FLUSH MOUNT ON NEW POST AND WALL FRAMING. FINAL LOCATION TO BE AS DIRECTED BY OWNER PRIOR TO ROUGH-IN.
- ② REMOVE EXISTING SURFACE MOUNTED FLUORESCENT LUMINAIRES AND DISPOSE OF LAMPS IN ACCORDANCE WITH ENVIRONMENTAL REGULATIONS. PROVIDE NEW LED STRIP LIGHTS AND RECONNECT TO EXISTING CIRCUIT.
- ③ PROVIDE RONG ADD A PHASE CONVERTER SYSTEM, 50HP RATED, 240V/208V SINGLE TO THREE PHASE, NEMA 3R ENCLOSURE, OR EQUIVALENT. PROVIDE 2P400ANFSS/3R ON INPUT, 3P/3R/200A/F@150A FSS ON OUTPUT. SEE DETAIL.
- ④ PROVIDE WALL MOUNTED FLOOD LIGHT TO MATCH EXISTING. PROVIDE WITH PHOTOCELL. CONNECT TO ADJACENT LIGHT.
- ⑤ CONNECT TO EXISTING CIRCUIT. 2/12,#12G, 3/4" C.
- ⑥ CONNECT TO PANELBOARD A-8. 2/12,#12G, 3/4" C.
- ⑦ CONNECT TO A-1,3 VIA ADD A PHASE CONVERTER. SEE PANELBOARD SCHEDULE. PROVIDE 1" C FOR CONTROL WIRING AND TERMINATE AS DIRECTED BY MECHANICAL CONTRACTOR.
- ⑧ REMOVE EXISTING SURFACE MOUNTED LIGHTS AND ASSOCIATED CONTROLS IN THIS AREA AND INSTALL NEW LUMINAIRES AS INDICATED. REUSE EXISTING CIRCUITS TO THE EXTENT POSSIBLE. CONNECT TO NEW OCCUPANCY SENSORS AND DIMMER SWITCHES INDICATED.

GENERAL NOTES:

- A. EXISTING ELECTRICAL WORK SHALL REMAIN UNCHANGED. REMOVE EXISTING LUMINAIRES IN CLASSROOM. PATCH CEILING AS REQUIRED.
- B. COORDINATE LOCATION OF NEW LIGHTS WITH EXISTING FANS, CEILING ACCESS HATCHES AND OVERHEAD DOOR TRACKS.
- C. PROVIDE UPDATED PANELBOARD SCHEDULE FOR REVISED CIRCUITS SERVING NEW WORK. MARK ALL UNUSED CIRCUITS AS "SPARE".
- D. ALL WIRING AND RACEWAYS SHALL BE RUN CONCEALED. EXISTING CABLING ABOVE THE CEILING MAY BE REUSED TO SERVE NEW LUMINAIRES TO THE EXTENT POSSIBLE IF AN ACCEPTABLE WIRING METHOD (EMT OR MC CABLE).



PANELBOARD "A"												LOCATION: WORK ROOM		400 A MAIN BUS RATING									
VOLTAGE : 240 / 120V 1PH 3W												MOUNTING: SURFACE		400 A MAIN LUGS ONLY									
CKT	LOAD DESCRIPTION	LOAD (KVA)					WIRE SIZE	C (IN)	BRKR	TRIP/ POLE	PHASE	BRKR	TRIP/ POLE	WIRE SIZE	C (IN)	LOAD (KVA)					LOAD DESCRIPTION	CKT	
		LTG	REC	MTR	HIC	OTH										LTG	REC	MTR	HIC	OTH			KIT
1	ADD A PHASE CONVERTER FOR NEW HVAC UNIT NOTE D.			8.40	15.00				350/2	A	B												2
3				8.40	15.00																		4
5																							6
7									20/1								0.18						8
9	EXISTING PANELBOARD 'B'	0.85	3.24	1.44	0.00	0.00	1.72		100/2														10
11		0.55	2.88	2.04	0.00	0.00	0.00																12
13	SPARE								20/2														14
15									20/1														16
17	SPARE								20/1														18
19									20/2														20
21	SPACE ONLY								20/1														22
23	SPACE ONLY								20/1														24

CONNECTED LOAD			KVA	AMPS
PHASE A	30.7	255		
PHASE B	29.1	242		
TOTAL	59.7	249		

42,000 AMPS MIN. INTERRUPTING CAPACITY (RMS SYM. AMPS)

NOTES:  
A. DOOR IN DOOR CONSTRUCTION  
B. COPPER BUSSES.  
C. WIRE SIZES ARE MINIMUM, INCREASE FOR VOLTAGE DROP.  
D. SUB FEED BREAKER ON LOAD SIDE OF MAIN LUGS.

CONNECTED (KVA)		DEMAND (KVA)	
LIGHTING/CONTINUOUS	1.4	LIGHTING/CONTINUOUS	1.4
RECEPTACLES	6.3	RECEPTACLES	6.3
MOTORS	20.3	MOTORS	20.3
HVAC	30.0	HVAC	30.0
OTHER	0.0	OTHER	0.0
KITCHEN	1.7	KITCHEN	1.1

TOTAL DEMAND LOAD 59.1 KVA  
DEMAND AMPS 246 AMPS

PANELBOARD "B"												LOCATION: WORKROOM		100 A MAIN BUS RATING									
VOLTAGE : 240 / 120V 1PH 3W												MOUNTING: SURFACE		100A MAIN CIRCUIT BREAKER									
CKT	LOAD DESCRIPTION	LOAD (KVA)					WIRE SIZE	C (IN)	BRKR	TRIP/ POLE	PHASE	BRKR	TRIP/ POLE	WIRE SIZE	C (IN)	LOAD (KVA)					LOAD DESCRIPTION	CKT	
		LTG	REC	MTR	HIC	OTH										LTG	REC	MTR	HIC	OTH			KIT
1	WOMENS RECEPT						EXIST		20/1				EXIST										2
3	KITCHEN RECEPT						EXIST		20/1				EXIST										4
5	KITCHEN RECEPT						EXIST		20/1				EXIST										6
7	OUTSIDE RECEPT						EXIST		20/1				EXIST										8
9	OUTSIDE RECEPT/SECURITY LT	0.10	0.72				EXIST		20/1				EXIST										10
11	WOMENS HEATER - SEE NOTE						EXIST		20/2				EXIST										12
13							EXIST		20/1				EXIST										14
15	MENS HEATER - SEE NOTE						EXIST		20/2				EXIST										16
17							EXIST		20/1				EXIST										18
19	WOMENS LIGHTS	0.15					EXIST		20/1				EXIST										20
21	KITCHEN LIGHTS	0.25					EXIST		20/1				EXIST										22
23	KITCHEN FAN			0.72			EXIST		20/1				EXIST			0.60							24
25	OUTSIDE LITS/FRONT BAY LTS			0.72			EXIST		20/1				EXIST			0.18							26
27	NEW LIGHTS	0.40					EXIST		20/1				EXIST										28
29	NEW LIGHTS	0.40					EXIST		20/1				EXIST										30

CONNECTED LOAD			KVA	AMPS
PHASE A	6.5	54		
PHASE B	4.8	40		
TOTAL	11.3	47		

22,000 AMPS MIN. INTERRUPTING CAPACITY (RMS SYM. AMPS)

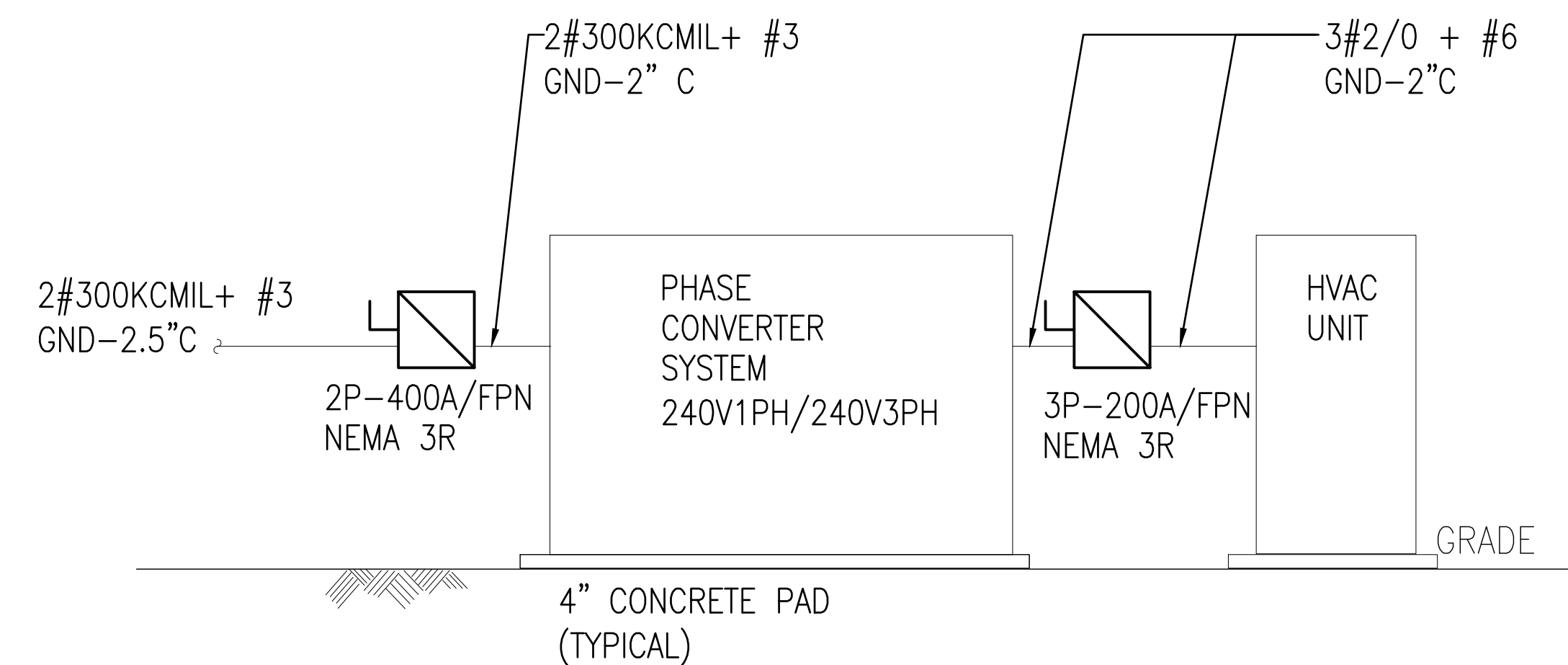
NOTES:  
A. EXISTING PANELBOARD. CIRCUIT INFORMATION BASED ON EXIST. SCHEDULE  
B. COPPER BUSSES.  
C. WIRE SIZES ARE MINIMUM, INCREASE FOR VOLTAGE DROP.  
D. MOVE CIRCUIT TO NEW PANELBOARD 'A'  
E. PROVIDE NEW PANELBOARD SCHEDULE TO REFLECT CHANGES  
F. RECONNECT EXISTING CIRCUITS. PROVIDE NEW WIRING TO MATCH EXIST.

CONNECTED (KVA)		DEMAND (KVA)	
LIGHTING/CONTINUOUS	1.4	LIGHTING/CONTINUOUS	1.4
RECEPTACLES	6.1	RECEPTACLES	6.1
MOTORS	2.0	MOTORS	2.0
HVAC	0.0	HVAC	0.0
OTHER	0.0	OTHER	0.0
KITCHEN	1.7	KITCHEN	1.1

TOTAL DEMAND LOAD 10.7 KVA  
DEMAND AMPS 44 AMPS

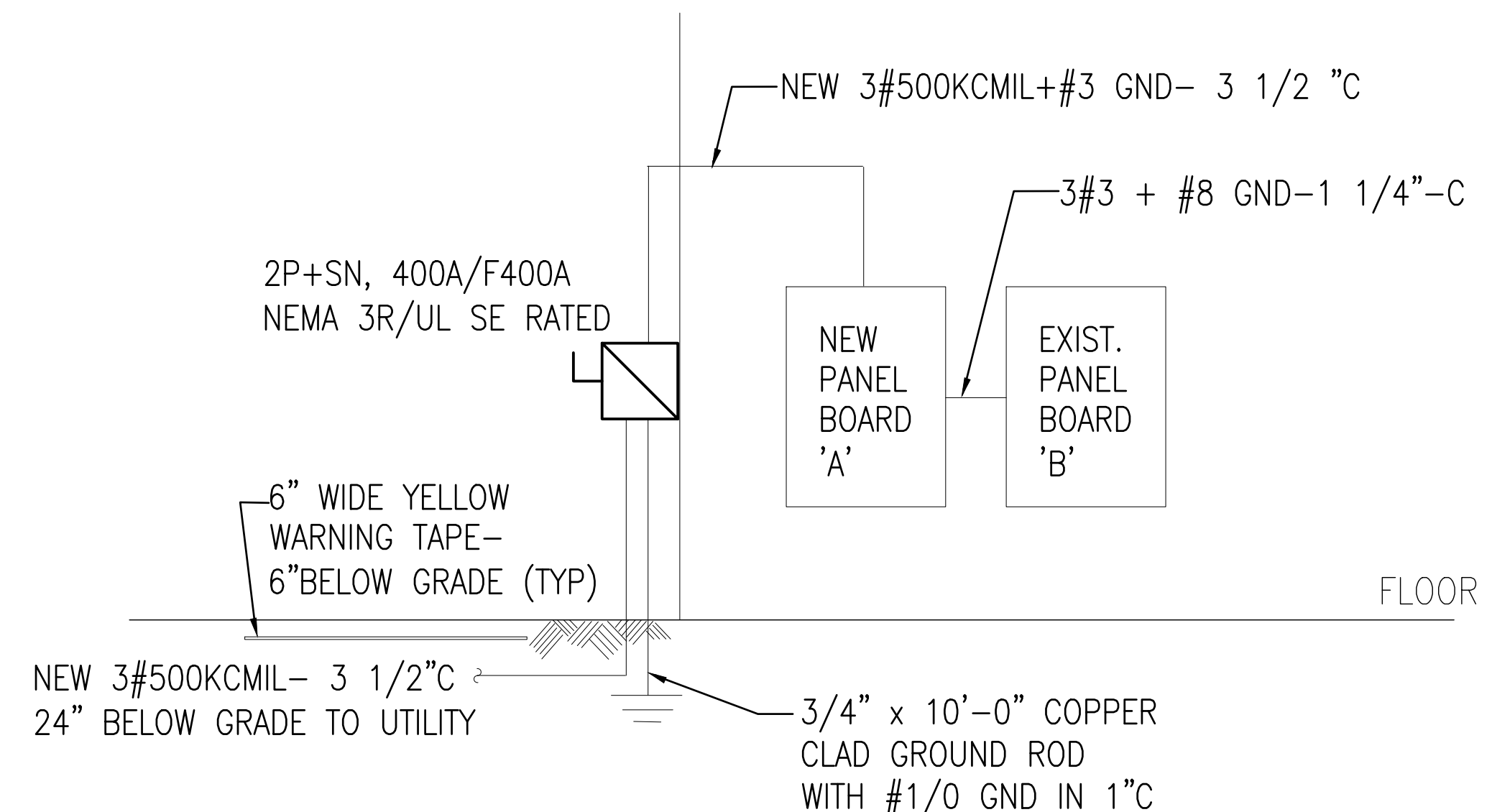
LUMINAIRE SCHEDULE							
TYPE	MANUFACTURER AND CATALOG NUMBER	LIGHT SOURCE		POWER SUPPLY		MOUNTING	DESCRIPTION
		TYPE	VOLTS	TYPE	NO.		
A	MARK 80CRI MSL4 120 35K 1000LMF MIN10 FLL WHTT ZT	LED	120	DIMMING	ONE	32	EXTRUDED ALUMINUM OR STEEL BAKED WHITE ENAMEL HOUSING, 4" x 4" SQUARE WITH LOW GLOW EXTRUDED ACRYLIC LENS AND REPLACEABLE DIMMING DRIVER. LM90/60. EQUIVALENT MANUFACTURERS SIGNIFY OR OSRAM.
AE	MARK 80CRI MSL4 120 35K 1000LMF MIN10 FLL WHTT ZT	LED	121	DIMMING	ONE	33	SAME AS TYPE A EXCEPT WITH 90 MINUTE BATTERY PACK WITH TEST SWITCH AND LED INDICATING LIGHTS AND EMERGENCY TRANSFER RELAY TO RETURN LUMINAIRE TO FULL BRIGHTNESS DURING A POWER OUTAGE. EQUIVALENT MANUFACTURERS SIGNIFY OR OSRAM.
B	ACUTY BRANDS CSSL48 4000LM MVOLT 40K80CRI	LED	120	STD	ONE	38	DLC LISTED AND UL LISTED LED STRIP LIGHT WITH STABILIZED LOW GLARE POLYCARBONATE LENS, BAKED WHITE ENAMEL STEEL HOUSING. EQUIVALENT MANUFACTURERS SIGNIFY OR OSRAM.
BE	ACUTY BRANDS CSSL48 4000LM MVOLT 40K80CRI	LED	120	STD	ONE	38	SAME AS TYPE B EXCEPT WITH 90 MINUTE BATTERY PACK WITH TEST SWITCH AND LED INDICATING LIGHTS AND EMERGENCY TRANSFER RELAY TO RETURN LUMINAIRE TO FULL BRIGHTNESS DURING A POWER OUTAGE. EQUIVALENT MANUFACTURERS SIGNIFY OR OSRAM.
C	EXISTING WALL MOUNTED FLOODLIGHT TO REMAIN, RELAMP WITH NEW LED LAMP						EXISTING TO REMAIN. PROVIDE EXTERNAL 90 MINUTE BATTERY PACK WITH TEST SWITCH AND LED STATUS LIGHTS AND REMIRE AHEAD OF ANY SWITCHING OR PHOTOCELL CONTROL DEVICE TO BRING TO FULL BRIGHTNESS DURING POWER OUTAGE.
X	ACUTY BRANDS LES 1 R ELN						DIE CAST ALUMINUM EXIT SIGN WALL MOUNTED WITH 90 MINUTE BATTERY PACK OR EQUIVALENT BY SIGNIFY OR OSRAM.

LUMINAIRE SCHEDULE NOTES:



ADD A PHASE CONVERTER DETAIL

- NOTES:
- PROVIDE CONTROL AND POWER WIRING FROM PHASE CONVERTER TO HVAC UNIT CONTROLLER AND BETWEEN INTERNAL PHASE CONVERTERS PER MANUFACTURER'S INSTRUCTIONS.
  - CONNECT PHASE CONVERTERS IN PARALLEL TO PROVIDE THREE PHASE POWER PER MANUFACTURER'S INSTRUCTIONS. PROVIDE INTERNAL WIRING AS DIRECTED BY MFR.
  - HVAC UNIT SHALL NOT RUN UNTIL PHASE CONVERTER SENDS START SIGNAL TO HVAC UNIT AFTER THREE PHASE POWER IS AVAILABLE.



GENERAL NOTES:

- ALL WORK IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED. PROVIDE NEW SERVICE AND RECONNECT EXISTING AS SHOWN AND AS REQUIRED.

POWER RISER DIAGRAM



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PROJECT NAME:  
**SCC- GILES CAMPUS HORTICULTURE PAVILION RENOVATION**

PROJECT NUMBER:  
**H59-N385-PD**

DRAWING TITLE:  
**SCHEDULES & RISER DIAGRAM**

SEAL & SIGNATURE:  
  
5/01/2026

DRAWN BY:

CHECKED BY:

DATE: 5/01/26

100% CONSTRUCTION SET

DRAWING NO.:

**E-1.2**