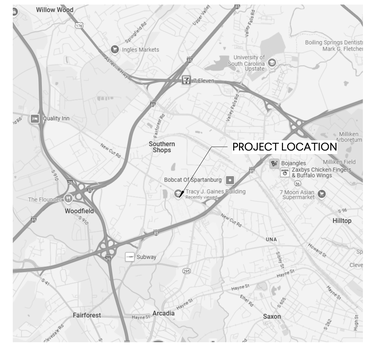
SCC - GAINES BUILDING OFFICE RENOVATION

SPARTANBURG COMMUNITY COLLEGE
131 COMMUNITY COLLEGE DRIVE,
SPARTANBURG, SC 29303

ISSUE: BID DOCUMENTS
ISSUE DATE: 06/23/2025

VICINITY MAP

LOCATION MAP



PLAN NORTH

TRUE NORTH

DRAWING INDEX

GOODWYN MILLS CAWOOD, LLC	ARCHITECTURE, INTERIORS
STEPHENS ENGINEERING & CONSULTING, LLC	MECHANICAL & PLUMBING ENGINEERING
MATRIX ENGINEERING, INC.	ELECTRICAL ENGINEERING

GMC

Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
GMCNETWORK.COM

ISSUE DATE
BID DOCUMENTS 06/23/2025

DRAWN BY: CRG
CHECKED BY: JDB

SCC - GAINES BUILDING OFFICE RENOVATION
131 COMMUNITY COLLEGE DRIVE,
SPARTANBURG, SC 29303

GMC # ACST250006

STATE OF SOUTH CAROLINA
JOSHUA DAVID BAGWELL
Charleston, SC
No. 9894
REGISTERED ARCHITECT

TITLE SHEET

T1

7/18/2025 12:25:22 PM TEMPLATE VERSION: 2022.1

ABBREVIATIONS

ACC	ACCESSIBLE
ACI	AMERICAN CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ADD	ADDENDUM
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ADJ	ADJACENT
B/B	BACK-TO-BACK
BC	BASE OF CURB
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCHMARK
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT-UP ROOF
BOW	BOTTOM OF WALL
B/W	BETWEEN
CAB	CABINET
CB	CATCH BASIN
C/C	CENTER TO CENTER
CD	CORE DECK
CF	CUBIC FOOT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION OR CONTROL JOINT
CLG	CEILING
CLO	CLOSET
CLR	CLEAR (ANCE)
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
COORD	COORDINATE
CPT	CARPET (ED)
CSMU	CALCIUM SILICATE MASONRY UNIT
CT	CERAMIC TILE
CW	CURTAIN WALL
D	DRYER
DBL	DOUBLE
DEM	DEMOLISH OR DEMOLITION
DET	DETAIL
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DS	DOWNSPOUT
DWG	DRAWING
DF	DRINKING FOUNTAIN

EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEV	ELEVATION / ELEVATOR
ELEC	ELECTRIC (ALL)
ENGR	ENGINEER
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPN	EXPANSION
EXT	EXTERIOR
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER & CABINET
FFE	FINISH FLOOR ELEVATION
FFW	FINISH FACE OF WALL
FHC	FIRE HOSE & CABINET
F/F	FACE TO FACE
FL	FLOOR
FLG	FLANGE
FND	FOUNDATION
FO	FACE OF
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FR	FRAME (ED), (ING)
FRT	FIRE RETARDANT TREATED
FT	FOOT/FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GHM	GALVANIZED HOLLOW METAL
GI	GALVANIZED IRON
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HEIGHT
HC	HANDICAP
HM	HOLLOW METAL
HOD	HIGHEST OPERABLE DEVICE
HORIZ	HORIZONTAL
HP	HIGH POINT/HORSE POWER
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
HVAC	HEATING / VENTILATION / AIR CONDITIONING
HW	HARDWARE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IJ	ISOLATION JOINT
IN	INCH / INCHES
INSUL	INSULATION
JAN	JANITOR'S CLOSET
JG	JOIST GIRDER
JT	JOINT

K	THOUSAND
KIP	1000 #
KJ	KEY JOINT
KSI	1000 # PER SQ IN
LAM	LAMINATE (D)
LF	LINEAR FOOT
L	LENGTH, ANGLE
LAB	LABORATORY
LAV	LAVATORY
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT GA	LIGHT GAUGE
LT	LIGHT
MATL	MATERIAL
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MEZZ	MEZZANINE
MANUF	MANUFACTURE (R)
MH	MANHOLE
MIN	MINIMUM
MO	MASONRY OPENING
MULL	MULLION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/H	OVERHEAD
OC	ON CENTER (S)
OCC	OCCUPANT (S)
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OH	OPPOSITE HAND
OPG	OPENING
OPP	OPPOSITE
PJ	PRECAST JOINT
PL	PROPERTY LINE, PLATE
PLAM	PLASTIC LAMINATE
PNT	PAINT (ED)
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREMANUF	PREMANUFACTURED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT / PRESSURE TREATED / POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWD	PLYWOOD
QT	QUARRY TILE
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCEMENT BAR
REF	REFRIGERATOR / REFERENCE
REINF	REINFORCE (D), (ING)

REQ'D	REQUIRED
RET	RETAINING
REV	REVISION (S), REVISED
RH	RIGHT HAND
RJ	RECESSED JOINT
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
SC	SEALED CONCRETE
SCHED	SCHEDULED
SD	STORM DRAIN
SECT	SECTION
SF	STOREFRONT
SIM	SIMILAR
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	SOLID SURFACE
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SY	SQUARE YARD
TELE	TELEPHONE
TERM	TERMINATION
T&G	TONGUE AND GROOVE
TH	THICK (NESS)
THK	THICK (NESS)
TO	TOP OF
TOC	TOP OF CURB
TOGB	TOP OF GRAB BAR
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOS	TOP OF SLAB / TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
TZ	TERRAZZO
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VWC	VINYL WALL COVERING
W	WASHER / WIDTH / WIDE FLANGE
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WIN	WINDOW
WP	WORK POINT / WATERPROOFING
WT	WEIGHT
W/W	WALL TO WALL
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

ANNOTATION SYMBOLS & TAGS

ROOM NAME
101
ROOM REFERENCE TAG

COLUMN LINES:
CONSECUTIVE NUMBERS ARE USED FOR COLUMN LINES RUNNING NORTH & SOUTH

CONSECUTIVE LETTERS ARE USED FOR COLUMN LINES RUNNING EAST & WEST

FACE OF MASONRY OR FACE OF GIRDER

677.52
ELEVATION TAG:
677.52 - ELEVATION (FT)

1 / A1.01
EXTERIOR ELEVATION TAG:
ELEVATION 1 ON SHEET A101

3 / A1.01
INTERIOR ELEVATION TAG:
INTERIOR ELEVATION 3 ON SHEET A101

FF&E:
BY OTHERS

REVISION CLOUD AND TAG:
USED TO INDICATE SCOPE OF CURRENT REVISION

OG
WALL TAG:
INTERIOR WALL TYPE OG
(SEE PARTITION LEGEND)

101
DOOR TAG:
DOOR NUMBER 101
(SEE FLOOR PLANS AND DOOR SCHEDULE)

C-1
CURTAINWALL TAG:
CURTAINWALL TYPE 1
(SEE EXTERIOR ELEVATIONS AND GLAZING SCHEDULE)

S-1
STOREFRONT TAG:
STOREFRONT TYPE 1
(SEE EXTERIOR ELEVATIONS AND GLAZING SCHEDULE)

W-1
WINDOW TAG:
WINDOW TYPE 1
(SEE EXTERIOR ELEVATIONS AND GLAZING SCHEDULE)

L-1
LOUVER TAG:
LOUVER TYPE L1
(SEE LOUVER SCHEDULE)

TAO1
SPECIALTY EQUIPMENT TAG:
SEE SPECIALTY EQUIPMENT SCHEDULE

G1
PLAN KEYNOTE TAG:
KEYNOTE NUMBER
SEE PLAN KEYNOTE SCHEDULE

1 / A1.01
BUILDING SECTION TAG:
SECTION 1 ON SHEET A101

1 / A1.01
WALL SECTION TAG:
SECTION 1 ON SHEET A101

1 / A1.01
ENLARGED DETAIL TAG:
DETAIL 1 ON SHEET A101

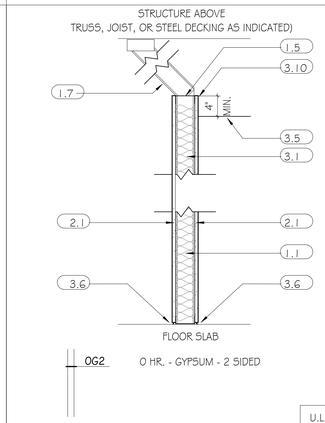
CDS#
HEIGHT # DEPTH #
#
WIDTH #
CASEWORK TAG

PRIMARY / ACCENT WALL FINISH	PNT-1	PNT-5
BASE FINISH	RB-1	
FLOOR FINISH	LVT-1	
CASEWORK / COUNTERTOP FINISH	PL-3	SS-1

INTERIOR FINISH TAG

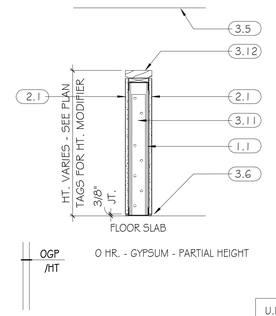
NORTH ARROW:
ARCHITECTURAL PLAN ORIENTATION
PLAN NORTH

NORTH ARROW:
CIVIL ORIENTATION
TRUE NORTH



OG2 — 0 HR. - GYPSUM - 2 SIDED

DRAWING MARK	DESCRIPTION	U.L. #	----
		STC	--

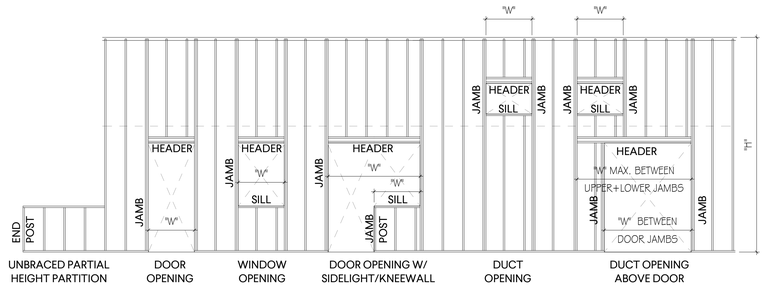


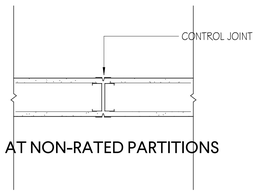
OGP /HT — 0 HR. - GYPSUM - PARTIAL HEIGHT

DRAWING MARK	DESCRIPTION	U.L. #	N/A
		STC	--

NUMBERED NOTES

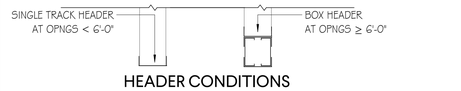
1.1	METAL STUDS 16" OC. DOUBLE-STUD JAMBS FULL HT. AT DOOR OPENINGS
1.5	CONTINUOUS TOP TRACK (0.0329" METAL THICKNESS)
1.7	STUD BRACING MIN. 48 IN. OC (24" OC AT WALL-HUNG CABINETS)
2.1	ONE LAYER 5/8 IN. GYP. BD
3.1	SOUND ATTENUATION BATT INSULATION, 3.5" THICK
3.5	ACOUSTICAL CEILING PANELS. WHERE PANELS W/ COMBINED NRC/CAC RATINGS OF .70/35 (OR BETTER) ARE USED, DRAPED INSULATION MAY BE OMITTED
3.6	ACOUSTICAL SEALANT JOINT. PROVIDE CONT. BEAD UNDER EACH LAYER GYP BD
3.10	EXTEND GYP BOARD TO TOP OF TRACK TO ESTABLISH A DRAFT STOP ASSEMBLY. CONDUIT TURNOUTS AND ELECTRICAL BOXES MUST STAND CLEAR OF MET. STUDS TO ALLOW FOR APPLICATION OF UNINTERRUPTED GYPSUM MEMBRANE
3.11	STEEL BENT PLATE END WALL SUPPORT. SEE JAMB/END POST DETAIL ON G1.22
3.12	WALL CAP. SEE DETAILS ELSEWHERE ON THESE DRAWINGS



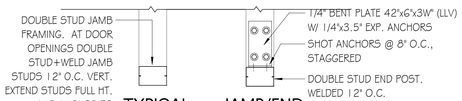


AT NON-RATED PARTITIONS

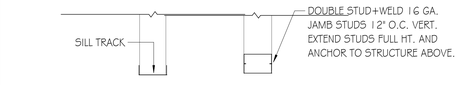
CONTROL JOINT DETAILS
SCALE: 1 1/2" = 1'-0"



HEADER CONDITIONS



TYPICAL JAMB — JAMB/END POST



SILLS — HINGE-SIDE JAMB @ LEAD-LINED DOORS

NOTES:
1. DESIGN IS BASED ON A DIFFERENTIAL INTERNAL PRESSURE OF 5 POUNDS PER SQUARE FOOT, AND AN ALLOWABLE DEFLECTION OF L/240.
2. THE STEEL STUD GAUGE IS BASED ON STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) PROPERTIES AND PROCEDURES FOR ENGINEERING INTERIOR NON-STRUCTURAL NON-COMPOSITE FRAMING.
3. WHEN TYPICAL STUD SPANS EXCEED THOSE SHOWN, WHEN LOADING CONDITIONS ARE OTHER THAN STATED, OR FOR OPENING WIDTHS OR HEIGHTS EXCEEDING THOSE SHOWN, CONSULT STRUCTURAL ENGINEER.

STEEL STUD GAUGE FOR 3-5/8" & 6" HEADER, JAMB, AND SILL STUDS AND TRACKS

WIDTH "W"	HEIGHT "H"							
	‹ 8'	8' - 9'	9' - 10'	10' - 11'	11' - 12'	12' - 13'	13' - 14'	14' - 15'
‹ 4'	20	20	20	20	20	18	16	14
4' - 6'	20	20	20	20	18	16	14	
6' - 8'	20	20	20	18	16	14		
8' - 10'	20	20	18	16	14			
10' - 12'	18	18	16	14				

STUD FRAMING DETAILS
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES - PARTITIONS

1. UL LISTED ASSEMBLIES
   A. WHERE UL ASSEMBLY NUMBERS ARE REFERENCED ABOVE, PARTITIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH REQUIREMENTS SET FORTH BY THE UL FIRE RESISTANCE DIRECTORY. SEE UL ASSEMBLY DRAWINGS (BEGINNING WITH DRAWING G1.23) FOR DETAILED UL ASSEMBLY REQUIREMENTS. NO DEVIATION SHALL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT.
2. FIRE BARRIERS, FIRE PARTITIONS, & SMOKE BARRIERS [FIRE-RATED]
   A. ALL PERIMETER JOINTS MUST BE PROTECTED BY UL LISTED FIRE-RESISTANT JOINT SYSTEMS.
   B. ALL PENETRATIONS OF RATED ASSEMBLIES MUST BE PROTECTED BY UL LISTED THROUGH-PENETRATION FIRESTOPPING ASSEMBLIES.
   C. FIRE DAMPERS MUST PROTECT HVAC DUCT PENETRATIONS.
   D. IDENTIFY FIRE WALLS, SMOKE BARRIERS, ETC., IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, WITH STENCILED LETTERING IN COMPLIANCE WITH GENERAL NOTE 9.08 FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIER IDENTIFICATION ON DRAWING G1.02, GENERAL NOTES.
3. SMOKE PARTITIONS [NON-RATED]
   A. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED SO AS TO RESIST THE PASSAGE OF SMOKE AND SHALL MEET THE CONTINUITY REQUIREMENTS DEFINED BY IBC 710.4
   B. ALL PERIMETER JOINTS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.
   C. ALL PIPING, ELECTRICAL, AND DUCT PENETRATIONS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.
4. SOUND INSULATION
   A. INSULATION THICKNESS SHALL MATCH CAVITY DEPTH UNLESS NOTED OTHERWISE.
   B. INSULATE BEHIND RECESSED ITEMS IN ANY SCHEDULED ACOUSTIC PARTITIONS.
5. ACOUSTICAL SEALANT
   A. AT ALL GYP BOARD AND METAL STUD PARTITIONS: REQUIRED AT BOTTOM AND TOP RUNNERS AND AT WALL ANGLES WHERE DISSIMILAR MATERIALS MEET (SEE DETAILS).
   B. AT SCHEDULED ACOUSTIC PARTITIONS: AIRTIGHT SEAL IS REQUIRED AT ALL PENETRATIONS.
   C. ELECTRICAL AND OTHER BOXES TO BE WRAP-SEALED (SEE DETAILS).
6. PARTITION COORDINATION WITH OTHER TRADES
   A. GENERAL CONTRACTOR AND SUBCONTRACTORS MUST COMPLY WITH GENERAL NOTE 9.07, PARTITION COORDINATION WITH OTHER TRADES ON DRAWING G1.02, GENERAL NOTES.

IMPORTANT NOTE

1. GENERAL NOTE REGARDING THE USE OF THIS DRAWING
   A. THIS DRAWING ILLUSTRATES THE FULL ARRAY OF STANDARD PARTITION TYPES USED BY GMC AND IS INTENDED TO BE PUBLSHED IN ITS ENTIRETY FOR REFERENCE .....HOWEVER,....BE ADVISED THAT NOT ALL PARTITION TYPES SHOWN ON THIS DRAWING WILL BE USED IN EVERY PROJECT.
   B. PARTITION TYPES USED IN THIS PROJECT ARE AS TAGGED AND/OR AS NOTED ON THE FLOOR PLANS.
   C. DO NOT SPEND TIME SEARCHING FOR UNUSED PARTITION TYPES ON THE FLOOR PLANS AS YOU WILL NOT FIND THEM.

PARTITION KEY

TYPE 1G 3 5/8" METAL STUDS	1G	1G 6"	TYPE 1G 6" METAL STUDS
TYPE 1S 4" METAL CH STUDS	1S	1S 2.5"	TYPE 1S 2.5" METAL CH STUDS
TYPE 0M 8" CMU	0M	0M 4"	TYPE 0M 4" CMU
TYPICAL PARTITION (SHOWN THUS)		VARIANT PARTITION (SHOWN THUS)	

STANDARD FRAMING
3 5/8" METAL STUDS •
4" METAL CH STUDS •
8" CMU •

PARTITIONS TO BE STANDARD FRAMING EXCEPT WHERE VARIANT FRAMING SIZE IS INDICATED

VARIANT FRAMING
• WHERE APPLICABLE, SIZE IS SHOWN IN INCHES BELOW PARTITION TYPE

GMC
Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
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STATE OF SOUTH CAROLINA
JOSHUA DAVID BAGWELL
Charleston, SC
No. 9894
REGISTERED ARCHITECT

GENERAL INFORMATION

G1.03

7/18/2025 12:25:23 PM TEMPLATE VERSION: 2022.1

ACCESSIBLE ELEMENTS NOTES

01. **ACCESSIBILITY STANDARDS:** CONTRACTOR MUST BE FAMILIAR WITH AND, SHALL MAINTAIN ON THE JOB SITE, A COPY OF THE CURRENT ADAAG STANDARDS AND IBC CHAPTER 11 ACCESSIBILITY REQUIREMENTS (OR FLORIDA BUILDING CODE ACCESSIBILITY) AS APPLICABLE. DURING CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE MINDFUL OF THESE ACCESSIBILITY REQUIREMENTS INCLUDING MOUNTING HEIGHTS AND FLOOR MANEUVERING CLEARANCES AND, IN THE EVENT THAT FIELD CONDITIONS WILL NOT ALLOW FOR ACCESSIBILITY REQUIREMENTS TO BE MAINTAINED IN A PARTICULAR CONDITION OR INSTALLATION, CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR FURTHER DIRECTION PRIOR TO PROCEEDING.

02. **ADA DEVICES:** ALL DEVICES AND FIXTURES DEPICTED HEREIN AND WHERE NOTED AS "ADA" OR "ACCESSIBLE" SHALL AT MINIMUM BE INSTALLED IN STRICT ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND APPLICABLE BUILDING CODES. WHERE ACCESSIBILITY REQUIREMENTS MAY VARY BY JURISDICTION, FOLLOW THE MOST STRINGENT REQUIREMENTS.

03. **ADA MOUNTING HEIGHTS:** ALL MOUNTING HEIGHTS SHOWN ON THIS PAGE ARE TO BE MEASURED FROM THE TOP OF FLOOR FINISH (i.e. NOT FROM SUBFLOOR). THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED FLOOR FINISH WHEN ESTABLISHING THE MOUNTING HEIGHTS OF ACCESSIBLE ITEMS.

04. **ADA PLAN DIMENSIONS:** ALL PLAN DIMENSIONS SHALL BE MEASURED FROM THE FINISH FACE OF SCHEDULED WALL FINISH. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED WALL FINISH e.g., WALL TILE, WHEN ESTABLISHING PLAN DIMENSIONS AND CLEARANCES FOR ACCESSIBLE ELEMENTS.

05. **PLUMBING ELEMENTS AND FIXTURES:** SEE PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIRED LOCATIONS AND MOUNTING HEIGHT OF PLUMBING ELEMENTS AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS AND/OR CLEARANCES INDICATED HEREIN AND THE REQUIREMENTS OF THE PLUMBING ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.

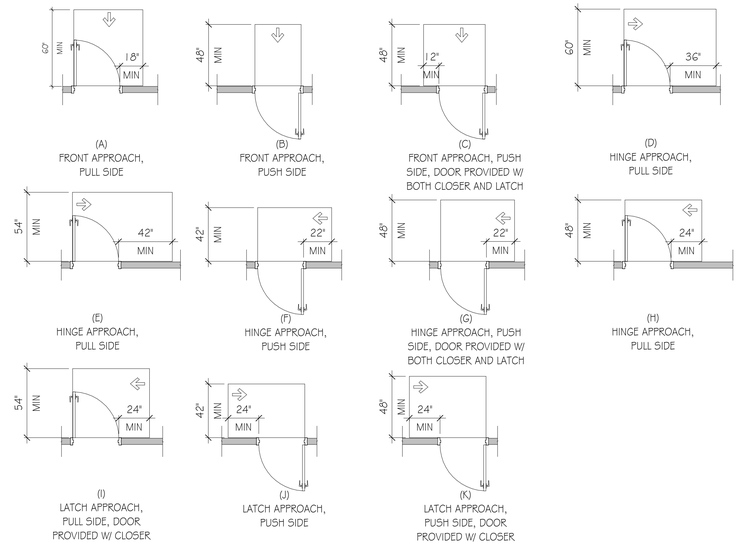
06. **ELECTRICAL DEVICES:** SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATIONPRIOR TO ROUGH-IN.

ABBREVIATIONS AND ACRONYMS

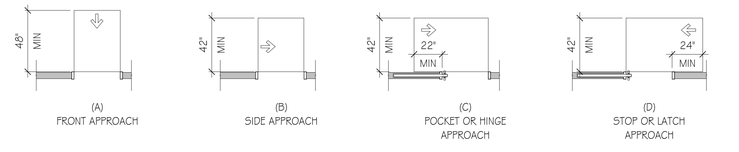
AFF . . . . . ABOVE FINISHED FLOOR	MAX . . . . . MAXIMUM
BOGB . . . . . BOTTOM OF GRAB BAR	MIN . . . . . MINIMUM
FFE . . . . . FINISHED FLOOR ELEVATION	TOGB . . . . . TOP OF GRAB BAR
FFW . . . . . FINISH FACE OF WALL	WC . . . . . WATER CLOSET
FO . . . . . FACE OF	W/ . . . . . WITH
GB . . . . . GRAB BAR	W/O . . . . . WITHOUT
HOD . . . . . HIGHEST OPERABLE DEVICE	

DOOR AND GATE MANEUVERING CLEARANCES

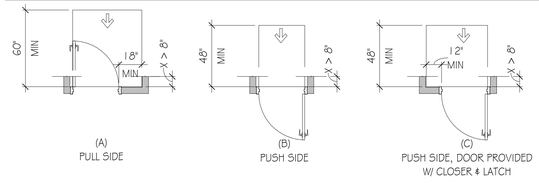
404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES



404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR GATES, MANUAL SLIDING DOORS, AND MANUAL FOLDING DOORS

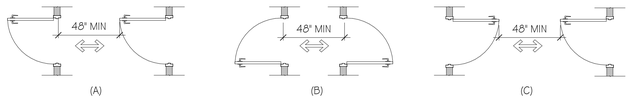


404.2.4.3 RECESSED DOORS AND GATES



404.2.4.3 RECESSED DOORS AND GATES. A DOOR CAN BE RECESSED DUE TO WALL THICKNESS OR BECAUSE OF CASEWORK AND OTHER FIXED ELEMENTS ADJACENT TO THE DOORWAY. THIS PROVISION MUST BE APPLIED WHEREVER DOORS ARE RECESSED.

404.2.4.6 DOORS IN SERIES AND GATES IN SERIES

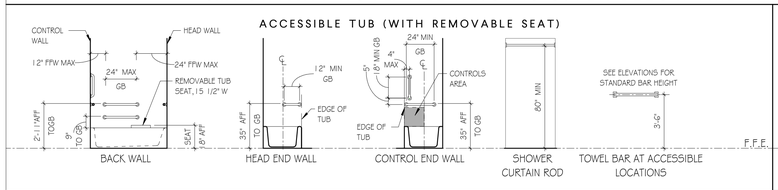


ACCESSIBLE PLUMBING ELEMENTS AND FACILITIES - ELEVATION VIEW

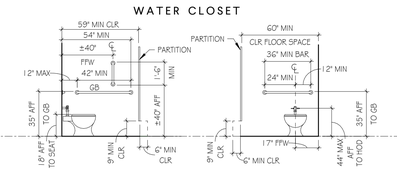
SEE G1.12 FOR PLAN DETAILS

IMPORTANT NOTE: ALL HEIGHTS GIVEN BELOW ARE FROM FACE OF FLOOR FINISH (NOT FROM FINISH SLAB)

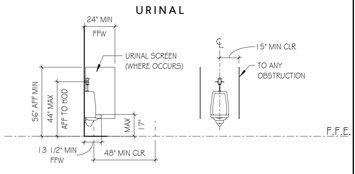
ACCESSIBLE TUB (WITH REMOVABLE SEAT)



WATER CLOSET

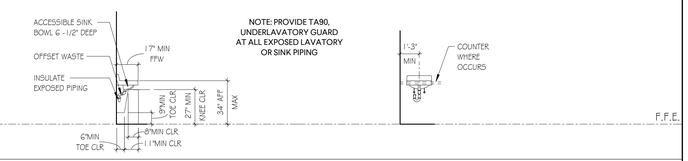


URINAL

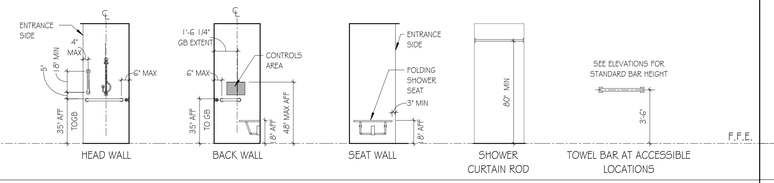


ACCESSIBLE ROLL-IN SHOWER (WITHOUT FOLDING SEAT)

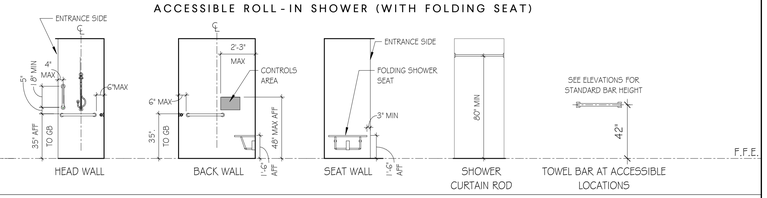
LAVATORY OR VANITY SINK



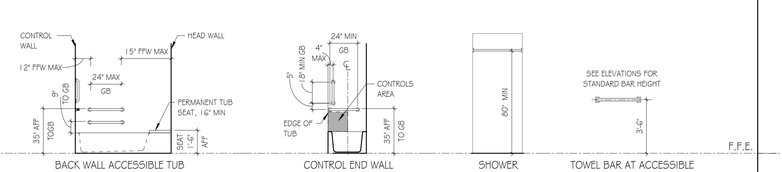
ACCESSIBLE TRANSFER SHOWER (WITH FOLDING SEAT)



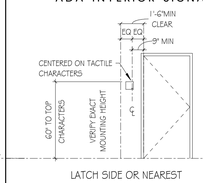
ACCESSIBLE ROLL-IN SHOWER (WITH FOLDING SEAT)



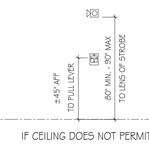
ACCESSIBLE TUB (WITH PERMANENT SEAT)



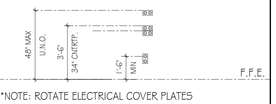
ADA INTERIOR SIGNAGE



FIRE ALARM W/ STROBE

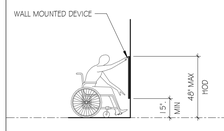


ELECTRICAL DEVICES

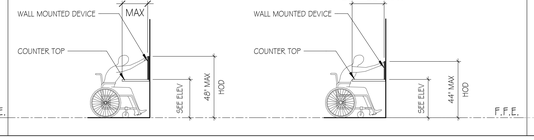


TYPICAL REACH RANGES

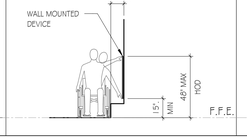
UNOBSTRUCTED FORWARD REACH



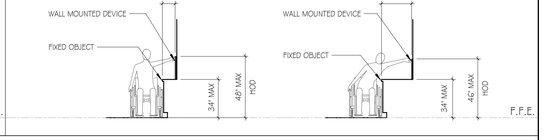
OBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED SIDE REACH

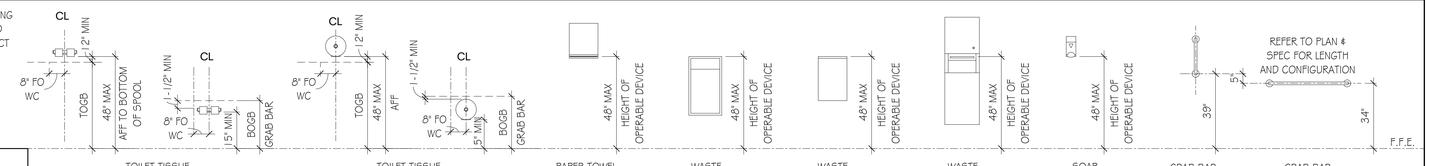


OBSTRUCTED HIGH SIDE REACH

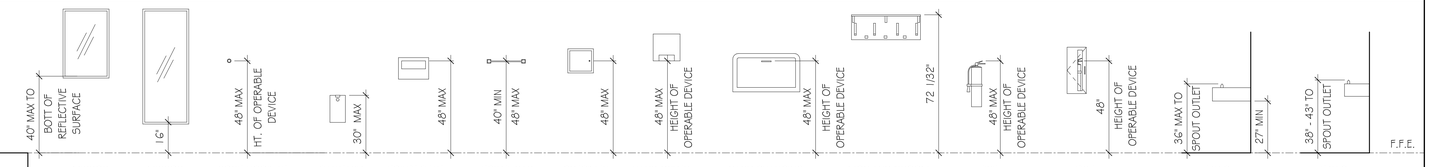


TYPICAL ACCESSIBLE MOUNTING HEIGHTS

VERIFY EXACT MOUNTING HEIGHT OF SUBMITTED DEVICE WITH ARCHITECT



TOILET ACCESSORY TYPE	DRAWING DESIGNATION
TOILET TISSUE HOLDER	TA01, TA50
TOILET TISSUE DISPENSER	TA02
PAPER TOWEL DISPENSER	TA03, TA04, TA05, TA06, TA07, TA08, TA09, TA10
WASTE RECEPTACLE	TA11 RECESSED
WASTE RECEPTACLE	TA12, TA13 SURFACE MOUNTED
WASTE RECEPTACLE	TA14, TA15, TA16 RECESSED
SOAP DISPENSER	TA17, TA18
GRAB BAR VERTICAL	18" TA23 or TA74
GRAB BAR HORIZONTAL	18" TA23 or TA74; 36" TA24 or TA65 or TA75; 42" TA25 or TA66 or TA76; 48" TA26



TOILET ACCESSORY TYPE	DRAWING DESIGNATION
MIRROR ADA	TA30, TA31, TA77
MIRROR FULL LENGTH	TA32
ROBE HOOK AT ACCESSIBLE LOCATIONS (SEE ELEVATIONS FOR STANDARD HOOK HT)	TA33
SANITARY NAPKIN DISPOSAL	TA36
TOILET SEAT COVER DISPENSER	TA38
TOWEL BAR OR TOILETRY SHELF	TA53 T.B., TA54 T.S.
SPECIMEN PASS-THRU CABINET	TA60
HAND DRYER	TA80
BABY CHANGING STATION	TA85
MOP AND BROOM HOLDER	TA95
FIRE EXTINGUISHER	FE
FIRE EXTINGUISHER CABINET	FEC
E.W.C. (ACCESSIBLE)	
E.W.C. (STANDARD)	

GMC

Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
GMCNETWORK.COM

ISSUE DATE
BID DOCUMENTS 06/23/2025

DRAWN BY: CRG
CHECKED BY: JDB

SCC - GAINES BUILDING OFFICE RENOVATION
131 COMMUNITY COLLEGE DRIVE,
SPARTANBURG, SC 29303

GMC # ACST250006

STATE OF SOUTH CAROLINA
JOSHUA DAVID BAGWELL
Charleston, SC
No. 9094
REGISTERED ARCHITECT

ACCESSIBILITY DATA

G1.11

7/18/2025 12:25:24 PM TEMPLATE VERSION: 2022.1

TABLE 1 FLOOD HAZARD INFORMATION & FLOOD LOADS

FLOOD HAZARD AREA

Flood Map Information: Flood Zone: EXISTING (UNCHANGED) *(A Floodplain Permit is required for A and V zones)*
Community Number: N/A Panel Number: 0267000100305

Is the Project Site in a 100 Year Flood Plain? Yes ■ No ☐

Base Flood Elevation (NGVD or FIRM): EXISTING(UNCHANGED) MSL
Design Flood Elevation (IBC 1612.3 and ASCE 24): EXISTING(UNCHANGED) MSL

NON HIGH-VELOCITY WAVE ACTION

Elevation of Lowest Proposed Floor (ASCE 24, Chapter 2): 874.60' EXISTING (UNCHANGED) MSL
Dry floodproofing (ASCE 24) Yes ■ No ☐

HIGH-VELOCITY WAVE ACTION

Elevation of bottom of Lowest horizontal Structural Member of lowest floor: EXISTING(UNCHANGED) MSL
Flotation resistant (ASCE 24) Yes ☐ No ■
Breakaway wall (ASCE 24) Yes ☐ No ■

IBC 1612 and SE-510, as applicable NOT APPLICABLE

ZONING CERTIFICATION

"I hereby certify that, to the best of my knowledge, these plans comply with applicable zoning ordinances, and that plans have been submitted to appropriate authority for their review and/or approval."

Signed: Gable Stubbs, AIA XXXX
Architect / Engineer Date

If the project does not require a National Pollution Discharge Elimination System (NPDES) permit from SCDHEC, include the following certification on the Site Plan(s):

EROSION AND SEDIMENT REDUCTION/STORMWATER MANAGEMENT

Designer's Certification:
"I hereby certify that the measures in this plan are designed to control erosion, retain sediment on the site, and manage stormwater in a manner that neither any on-site nor off-site damage or problem is caused or increased, that all structural measures are designed to the minimum standards for health and safety, and that all the provisions of the plan are in compliance with the Regulations contained in Chapter 72, Article 2, SC Code of Regulations (Erosion and Sediment Reduction and Stormwater Management Regulations)."

Signed: N/A N/A
Engineer or Registered Landscape Architect (Circle one) Date

TABLE 2 SOILS & SITE

SOILS INVESTIGATION (If required - IBC 1803.2) Yes ☐ No ■

SOILS CLASSIFICATION

Site Class (IBC 1613.2.2) D EXISTING(UNCHANGED)
Classes Soil of Materials (UCS System) (IBC 1803.5.1) EXISTING(UNCHANGED)
Allowable Footing Bearing Pressure EXISTING(UNCHANGED) psf

MINIMUM DESIGN SOIL BEARING LOAD (IBC Table 1806.2) EXISTING(UNCHANGED) psf

COMPACTION

Subgrade: EXISTING Percent
Base: EXISTING Percent
Other: EXISTING Percent

NOT APPLICABLE

MINIMUM DESIGN SOIL LATERAL LOAD (IBC 1611.1) EXISTING psf

FOOTINGS

Undisturbed footings Yes ■ No ☐
Compacted Fill Material (IBC 1804.6) Yes ☐ No ☐

ELEVATIONS

Elevation of Water Table: EXISTING(UNCHANGED) MSL
Elevation of lowest footing: +/- 871.67' EXISTING(UNCHANGED) MSL
Elevation of lowest floor or basement: 874.60' EXISTING(UNCHANGED) MSL

NOTE: Where a fire wall is necessary to separate buildings, each building is to be provided individual code criteria Tables 3-11. See IBC 503.1.2

TABLE 3 BASIC BUILDING CODE INFORMATION

CONSTRUCTION CLASSIFICATION (IBC 602)	Type: IIB, NONCOMBUSTIBLE
OCCUPANCY CLASSIFICATION (indicate all) (IBC 302 & 504.2)	B (BUSINESS) EXISTING (UNCHANGED)
MOST RESTRICTIVE OCCUPANCY CLASSIFICATION (IBC Tables 504.3, 504.4 & 506.2)	B (BUSINESS)
Mixed Occupancy (IBC 508)	Yes ☐ No ■
Separated (IBC 506.2.2 & 508.4)	Yes ☐ No ■
Non separated (IBC 508.3)	Yes ☐ No ■
Does building require Incidental Use Area Separation? (IBC 509.1)	Yes ☐ No ■
2-way Communication Required (IBC 1009.6.5 & 1009.8)	Yes ☐ No ■
Fire Apparatus Access and Water Line (IFC 503 & 507)	Yes ☐ No ■
OTHER FIRE PROTECTION SYSTEMS, DEVICES, or FEATURES If the building has any special or notable fire protection or safety feature or hazard the designers should list them here, describe the performance characteristics and refer to locations in construction documents. (e.g. fire extinguishers, smoke- evacuation/control/compartments. Note IBC 414.1.3.)	Fire extinguishers to be verified / provided in area of work

TABLE 3E CODE INFORMATION FOR ADDITIONS, ALTERATIONS, OR CHANGE OF OCCUPANCY TO AN EXISTING STRUCTURE

TYPE OF PROJECT:
■ Alteration (IEBC Chaps. 7, 8 & 9) ☐ Addition (IEBC Chap. 11) ☐ Change of Occupancy (IEBC Chap. 10)

METHOD OF COMPLIANCE:
(Check only one Option and all itemms that apply under that Option.)

- ☐ **Option 1: Prescriptive Compliance Method (IEBC Chapter 5)**
- ■ **Option 2: Work Area Compliance Method (IEBC Chaps. 6-12)**
  - ■ Alteration Level 1, minor including reroofing (IEBC Chap. 7)
  - ■ Alteration Level 2, reconfigurations of space (IEBC Chap. 8)
  - ☐ Alteration Level 3, work area exceeds 50% (IEBC Chap. 9)
  - Aggregate area of building: 21,846 SF
  - Work area: 2,740 SF
- ☐ **Option 3: Performance Compliance Method (IEBC Chap. 13)**

Original Building Code and Eddition Applicable at time of Construction: 1985 Standard Bldg. Code w/ 1986 Revisions

Existing Sprinkler System?	☐ Yes	■ No
Existing Fire Alarm System?	■ Manual	☐ Auto
Seismic Evaluation Required?	☐ Yes	■ No
Major Facility Project? (See §48-52-810(100(a))	☐ Yes	■ No
Change of Occupancy:	☐ Yes	■ No

Existing Occupancy Classification(s):
New Occupancy Classification(s):

Historic Building (IEBC Chapter 12): ☐ Yes ■ No
☐ Preservation ☐ Rehabilitiation ☐ Restoration ☐ Reconstruction

TABLE 4 BUILDING HEIGHT & AREA

BUILDING HEIGHT

	AS DESIGNED		AS ALLOWED BY IBC	
	In Feet	In Stories	In Feet	In Stories
IBC TABLE 504.3	+/- 20'-0", EXISTING (UNCHANGED)	1 EXISTING (UNCHANGED)	55	N/A
IBC TABLE 504.4	N/A	1 EXISTING (UNCHANGED)	N/A	3
TOTAL HEIGHT (including any Allowable Increase)	+/- 20'-0", EXISTING (UNCHANGED)	1 EXISTING (UNCHANGED)	55	3

BUILDING AREA

AREA LIMIT AS ALLOWED BY IBC TABLE 506.2 (area limiatation for each story) 23,000 SF

AREA INCREASES AS ALLOWED BY IBC SECTIONS 506.2 & 506.3 N/A SF (maximum modified area per story)

EXPLANATION OF INCREASES:

AREAS AS ALLOWED IN IBC PER STORY

Story: FIRST FLOOR	23,000	SF (area this story)
Story:		SF (area this story)
Story:		SF (area this story)
Story:		SF (area this story)
Story:		SF (area this story)

TOTAL AREA OF BUILDING ALLOWED BY IBC (sum of all stories) 23,000 SF

AREA AS DESIGNED		**ACCESSORY OCCUPANCY** (IBC 508.2 & Table 506.2)
Story: EXISTING FIRST FLOOR	21,848 SF (area this story)	SF (area this story)
Story:	SF (area this story)	SF (area this story)
Story:	SF (area this story)	SF (area this story)
Story:	SF (area this story)	SF (area this story)
Story:	SF (area this story)	SF (area this story)

TOTAL DESIGNED AREA OF BUILDING (summary of all stories) 21,848 SF

TABLE 5 BUILDING DESIGN OCCUPANT LOAD

STORY	FUNCTION OF SPACE (1)	A: FLOOR AREA (2) (NSF or GSF)	B: MAX AREA ALLOWED PER OCCUPANT (3) (NSF or GSF)	C: OCCUPANTS ON FLOOR FOR THIS FUNCTION (4)	D: DESIGN OCCUPANT LOAD (5)
1	ACCESSORY (RENOVATED)	13	300 GROSS	1	
	BUSINESS (RENOVATED)	1834	150 GROSS	15	
	ASSEMBLY UNCON. (RENOVATED)	324	15 NET	23	
	Subtotal Design Occupant Load for This Story/Level				39
Story	(1)	(2)	(3)	(4)	
	Subtotal Design Occupant Load for This Story/Level				
Story	(1)	(2)	(3)	(4)	
	Subtotal Design Occupant Load for This Story/Level				
Story	(1)	(2)	(3)	(4)	
	Subtotal Design Occupant Load for This Story/Level				
TOTAL BUILDING DESIGN OCCUPANT LOAD					39(6)

FOOTNOTES:
1. Provide the complete name of the Function of space using the left column of Table 1004.5 of the IBC. (1)
2. Design Area per each occupant of this Function on this Story in either Gross (GSF) or Net (NSF) Square Footage. (2)
3. Allowed Floor Areas in SF per Occupant per right column in Table 1004.5 of the IBC. (3)
4. Divide Column A (2) by Column B (3) for each function and enter result, rounded up to the nearest whole person. (4)
5. Subtotal all column C values for this floor to yield the Design Occupant Load. (5)
6. Total Building design Occupant Load - sum of all Column D value (6)

TABLE 6 GENERAL FIRE PROTECTION REQUIREMENTS

SEPARATIONS		
Fireblocking Required (IBC Section 718)	Yes ☐	No ■
Draftstopping Required (IBC Section 718)	Yes ☐	No ■
Smoke Control System Required (IBC Section 909)	Yes ☐	No ■
Smoke Barriers Required (IBC Section 407 & 408)	Yes ☐	No ■
Smoke Partitions Required (IBC Section 407)	Yes ☐	No ■
Fire Partition Required (IBC Section 708)	Yes ☐	No ■
Fire Barrier Required (IBC Section 707)	Yes ☐	No ■
ALARM & DETECTION		
Fire Alarm System Required (IFC Section 907)	Yes ■	No ☐
Emergency/Voice Alarm Communications System Required (IFC Section 907.5.2.2)	Yes ■	No ☐
Fire Command Center Required (IFC Section 508)	Yes ☐	No ■
SUPPRESSION		
Standpipes Required (IFC Section 905)	Yes ☐	No ■
Sprinklers Required (IFC Section 903)	Yes ☐	No ■
Sprinklers Provided (_____)	Yes ☐	No ■
Portable Extinguishers Required (IFC 906)	Yes ■	No ☐
Other suppression systems Required (IFC 904)	Yes ☐	No ■
Smoke & heat vents Required (IFC 910)	Yes ☐	No ■
OTHER: *(indicate other provided fire and life safety features not listed above, if any)*		
Emergency Responder Radio Coverage (IFC Section 510)	Yes ☐	No ■
_____		
_____		
_____		

TABLE 7 FIRE RESISTANCE RATING OF BUILDING ELEMENTS

BUILDING ELEMENT	RATING AS REQUIRED (in hours)	RATING AS DESIGNED (in hours)	TESTING AGENCY & DESIGN NO. (UL, FM, etc)	DESIGNERS WALL / PARTITION KEY CODE
Primary Structural Frame (IBC Table 601)	EXISTING (UNCHANGED)	EXISTING (UNCHANGED)	N/A	
Bearing Walls: (IBC Table 601) Exterior (IBC Table 705.5)	0, EXISTING (UNCHANGED)	0, EXISTING (UNCHANGED)	N/A	N/A
Interior			N/A	N/A
Nonbearing Walls & Partitions (IBC Table 601, including footnote "d" & 602)	0, EXISTING (UNCHANGED)	0, EXISTING (UNCHANGED)	N/A	N/A
Exterior (IBC Table 705.5)		NOT APPLICABLE		
Interior				
Floor Construction (IBC Table 601) (including supporting beams & joists)	0, EXISTING (UNCHANGED)	0, EXISTING (UNCHANGED)	N/A	N/A
Roof Construction (IBC Table 601) (including supporing beams & joists)	EXISTING (UNCHANGED)	EXISTING (UNCHANGED)	N/A	N/A
Fire Walls (IBC Section 706)	N/A	N/A	N/A	N/A
Fire Barriers (IBC Section 707)	N/A	N/A	EXISTING	NA, EXISTING
Fire Partitions (IBC Table 708)	N/A	N/A	EXISTING	1GS
Shaft Enclosures (IBC Section 713)	NA	NA	N/A	N/A
Opening & Protective Listing by Category (fire shutters, doors, etc. - IBC Section 716)				
Others (as required by Designer)	N/A	N/A	N/A	N/A

TABLE 8 STRUCTURAL DESIGN INFORMATION

RISK CATEGORY (IBC Table 1604.5): II, EXISTING (UNCHANGED)

LIVE LOADS
Floor Live Load (s) - List the F_{11} for each occupancy / use:

Occupancy / Use: EXISTING (UNCHANGED)	F_{11} = N/A	PSF
Occupancy / Use:	F_{11} =	PSF
Occupancy / Use:	F_{11} =	PSF
Roof Live Load	R_{11} = N/A	PSF
Ground Snow Load (IBC Figure 1608.2 or ASCE 7)	P_g = N/A	PSF

WIND LOADS
Analysis Procedure (ASCE 7 or IBC 1609.1): EXISTING (UNCHANGED)
Ultimate Design Wind Speed (IBC Fig's. 1609.3 (1)-(3)): V = N/A MPH
Exposure Category (IBC 1609.4.3): N/A
Internal Pressure Coefficient (ASCE 7): GC_{pi} = N/A
External Pressure Coefficient (ASCE 7): GC_p = N/A
Protection of Openings Required Yes ☐ No ■
If "Yes", check one: Impact Resistant Glazing ☐ Impact Resistant Covering ☐

NOT APPLICABLE

SEISMIC LOADS
Seismic Importance Factor (ASCE 7 Table 1.5-2): I_E= N/A
Site Class (IBC 1613.2.2): N/A
Mapped Spectral Response Accelerations: S_s= N/A S_1= N/A
Design Spectral Response Acceleration Parameters: S_{DS}= N/A S_{D1}= N/A
Seismic Design Category (IBC Tables 1613.2.5.1 and 1613.2.5.2): N/A
Basic Seismic Force Resisting System: N/A
Design Base Shear (ASCE 7 Chapter 12): N/A KIPS
Seismic Response Coefficient(s) (ASCE 7): C_S = N/A
Response Modification Factor(s) (ASCE 7): R = N/A
Analysis Procedure: N/A

ARCHITECTURAL - MECHANICAL - ETC. LOADS
Provide as applicable: architectural items, mechanical, plumbing, etc. (ASCE 7)

SPECIAL LOADS
Provide as applicable: abnormal items, moving loads, impact, hoisting, etc. (ASCE 7)

* IBC Chapter 16 and ASCE 7 -- Information may be shown on initial Structural Sheet of the drawings or on Sheet with other code information. List floor design loads on structural plans.

TABLE 9 PLUMBING INFORMATION

WATER SYSTEM: Service Line Size: 3" EXISTING (UNCHANGED) Inches
Peak Flow: 77 GPM Total Demand: EXISTING (UNCHANGED) No. Fixture Units

SANITARY SEWER SYSTEM: Loading: 688 GPD
Service Line Size: 4" EXISTING (UNCHANGED) Inches Slope: 1/8 min inches/ft

MINIMUM PLUMBING FIXTURES REQUIRED/PROVIDED (IPC Section 403 & Table 403.1)
Occupancy Classification(s) (same as OSE Table 3): BUSINESS
Total Building Design Occupant Load (same as OSE Table 5): 199

1. Occupancy: BUSINESS Total Load for this Occupancy: 39 Male: 20 Female: 20

Water Closets/Urinals (IPC Section 424.2):	MALE: EX. (# Urinals allowed 1) FEMALE: EXISTING
Lavatories	MALE: EX. FEMALE: EXISTING
Drinking Fountains	EXISTING
Unisex Toilet	EXISTING
Service Sink	EXISTING
Other (list)	

2. Occupancy: _____ Total Load for this Occupancy: _____ Male: _____ Female: _____

Water Closets/Urinals (IPC Section 424.2):	MALE: FEMALE:
Lavatories	MALE: FEMALE:
Drinking Fountains	
Unisex Toilet	
Service Sink	
Other (list)	

3. Occupancy: _____ Total Load for this Occupancy: _____ Male: _____ Female: _____

Water Closets/Urinals (IPC Section 424.2):	MALE: FEMALE:
Lavatories	MALE: FEMALE:
Drinking Fountains	
Unisex Toilet	
Service Sink	
Other (list)	

TOTAL BUILDING COUNT REQUIRED/PROVIDED (add all occupancies)

PROVIDED (round up)	REQUIRED Male	REQUIRED Female	PROVIDED Male	PROVIDED Female
Total Water Closets / Urinals	EXISTING	EXISTING	N/A	N/A
Total Lavatories	EXISTING	EXISTING	N/A	N/A
Total Drinking Fountains	EXISTING		N/A	
Total Unisex Toilets			N/A	
Total Service Sinks	EXISTING		N/A	
Total Other (list): BOTTLE FILLER	EXISTING		N/A	
Total Assisted-use Children's Toilets			N/A	
Total Assisted-use Children's Lavatories			N/A	
Total Bathtub			N/A	
Total Kitchen Sinks			1	

NOTES:
- All 'REPLACED' plumbing fixtures shall be in original configuration, 2021 IEBC 602.1 Alteration - Level 1.
- All 'RECONFIGURED' plumbing fixtures to allow for accessibility per 2021 IBC & 2017 ICC A1 17.1.

* Reduction in 1 lavatory each in toilet rooms to provide required accessibility per 2021 IEBC 306.7.11. Required lavatory count met w/ unisex lavatory, kitchen hand sink, & classroom kitchen sinks

TABLE 10 MECHANICAL INFORMATION

AIR COMFORT SYSTEMS

Overall Thermal Transfer Value (OTTV): EXISTING (UNCHANGED) BTU / (HR x °F x SF)
Building Cooling Load: EXISTING (UNCHANGED) SF / Ton
Building Heating Load: EXISTING (UNCHANGED) BTUH* / SF (*BTUH = BTU/Hour)

OTHER LOADING FEATURES

Glass: U Factor: 0.60 Window to Wall ratio: EXISTING (UNCHANGED)
Insulation Values: Roof: R-20 EXISTING (UNCHANGED) Exterior Walls: R-7.2 EXISTING (UNCHANGED)

Outside Air minimum while occupied: N/A CFM N/A Occupants

MECHANICAL SYSTEMS, SERVICE SYSTEMS & EQUIPMENT

Briefly describe mechanical system:
System is existing. The branch ducts and air distribution is reworked to accommodate new floor plan.

TABLE 11 ELECTRICAL INFORMATION

SERVICE TRANSFORMER: ■ By Utility Company By Agency
If by Agency: N/A KVA Primary N/A Voltage/Phase

ELECTRICAL SERVICE INFORMATION

Service Voltage/Phase: EXISTING (UNCHANGED) Amperes: N/A
Service Entrance Conductors Size: EXISTING (UNCHANGED) Quanity per Phase: N/A
Total Connected Load: EXISTING (UNCHANGED) KVA Estimated Demand Factor: N/A
Estimated Maximum Demand: EXISTING (UNCHANGED) Amperes
Available Fault Current in Symmetrical Amperes: EXISTING (UNCHANGED) Amperes
Interrupting capacity of Service Overcurrent Device: EXISTING (UNCHANGED) Amperes
Grounding Electrode System Components:
☐ Metal Underground Water Pipe
☐ Metal In-ground Support Structure(s)
☐ Concrete-Enclosed Electrode
☐ Ground Ring
☐ Rod & Pipe Electrodes
☐ Plate Electrode
☐ Other Local Metal Underground Systems or Structures
■ Other Listed Electrodes, please specify: EXISTING (UNCHANGED)

EMERGENCY SERVICE INFORMATION

Generator 1: ☐ Emergency ☐ Standby ☐ Op. Standby Voltage/Ph Fuel KVA
Generator 2: ☐ Emergency ☐ Standby ☐ Op. Standby ☐ Integral Battery Fuel KVA
Exit/Emergency Lights Backup Power ■ Battery ☐ Generator
Fire Alarm System: ☐ Manual ☐ Auto ■ Manual/Auto ■ Addressable Class ☐ A ☐ B ☐ (Other)
Fire Alarm System Method of Communication to Montoring Station (please specify): PROJECT REQUIRES MINOR COMMUNICATION ADJUSTMENTS, WILL COORDINATE WITH GTC IT DEPARTMENT
Fire Alarm Pathway Survivability: ☐ Level 0 ☐ Level 1 ☐ Level 2 ☐ Level 3
Carbon Monoxide Detection Required? ■ Yes ☐ No
Carbon Dioxide Detection Required? ☐ Yes ■ No
Emergency Respondeer Radio Coverage Enhancement Required? ☐ Yes ■ No

LIGHTNING PROTECTION SYSTEM ROVIDED: ☐ Yes ■ No

APPLICABLE CODES & REGULATIONS

2021	INTERNATIONAL BUILDING CODE (IBC)
2021	INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2021	INTERNATIONAL FUEL GAS CODE (IFGC)
2021	INTERNATIONAL MECHANICAL CODE (IMC)
2021	INTERNATIONAL PLUMBING CODE (IPC)
2021	INTERNATIONAL FIRE CODE (IFC)
2020	NATIONAL ELECTRICAL CODE (NEC)
2009	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2017	ICC A1 17.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

NOTE:
1. SEE TABLE 3E FOR INTERNATIONAL EXISTING BUILDING CODE COMPLIANCE.

DESIGN-RELATED CONSTRUCTION PERMITS / APPROVALS

The following is a list of permits and standards applicable to state construction projects. This is not intended to be a complete list and a permit or standard not listed here may still be applicable.

Agencies and A/Es should use this as a check list for each project by indicating the status of each required permit in the space provided. Include dates of submittal and/or approvals/anticipated approvals. This form may be submitted to OSE when this information is requested; however, it is required. If used, it must show only those permits relative to the project.

TYPE OF DEVELOPMENT	SC LAW / REGULATION	WHERE TO OBTAIN PERMIT / APPROVAL	STATUS
Air pollutant discharge	48-1-100; R61-62.1	SCDHEC - Air Quality Control	
Ambulatory surgical facilities	R61-91	SCDHEC - Health Facilities Construction	
Asbestos abatement	R61-86.1	SCDHEC - Air Quality Control	
Building construction, Zoning	6-7-10; 6-9-110	Local Authority	
Community residential care facilities	R61-84	SCDHEC - Health Facilities Construction	
Construction in critical coastal areas	48-39-10, 130, 190	SCDHEC - OCRM	
Construction in navigable waters	49-1-16	SCDHEC - Water Pollution Control	
Dams and reservoirs	49-11-200; R72-1, 2, 3	SCDHEC - Water Pollution Control	
Demolition of Real Property	R61-86.1	SCDHEC - Air Quality Control	
Design Review Board (BARs, SC Dept Archives & History, etc.)	Various local	Various local	
Educational facilities (K - 12)	59-23-210	SC Dept. of Ed. – Office of School Facilities	
Elevators	41-16-90	SC Department of LLR	
Fire Department (Local)	Various local	Servicing Fire Department	
Fire Protection Sprinkler	NOT APPLICABLE	State Fire Marshal	
Fire suppression systems	R71-8303	State Fire Marshal	
Floodplains, construction in	OSE Manual Chpt 5	Office of State Engineer	
Food service establishments	R61-25	SCDHEC – Local County Health Dept.	
Historical building rehabilitation	R12-125	Archives and History, Local Authority	
Hospitals & infirmaries	R61-16	SCDHEC - Health Facilities Construction	
Road encroachment, local	57-7-60	Local City or County Authority	
Road encroachment, state	57-5-1080	Local SCDOT Maintenance Office	
Sanitary sewer; treatment & disposal	R61-56, 57	SCDHEC – Domestic Wastewater	
Storm water discharge, erosion and sediment control	R61-9; R72-100-108	SCDHEC - Water Pollution Control; State Engineer; Local Authority	
Swimming areas, natural public	R61-50	SCDHEC – Water Supply Construction	
Swimming pools, public	R61-51	SCDHEC – Water Supply Construction	
Underground storage tanks	R61-92	SCDHEC – Groundwater Protection	
Waste discharge (sewage, industrial waste, etc.)	48-1-100, 110; R61-9	SCDHEC – Water Pollution Control	
Water supply	44-55-40; R61-57, 58	SCDHEC – Water Supply Construction	
Wells, Underground injection	R61-71, 87	SCDHEC – Groundwater Protection	

GMC
Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
GMCNETWORK.COM

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131 COMMUNITY COLLEGE DRIVE,
SPARTANBURG, SC 29303

GMC # ACST250006

STATE OF SOUTH CAROLINA
JOSHUA DAVID BAGWELL
Charleston, SC
No. 9994
REGISTERED ARCHITECT

LIFE SAFETY - CODE ANALYSIS

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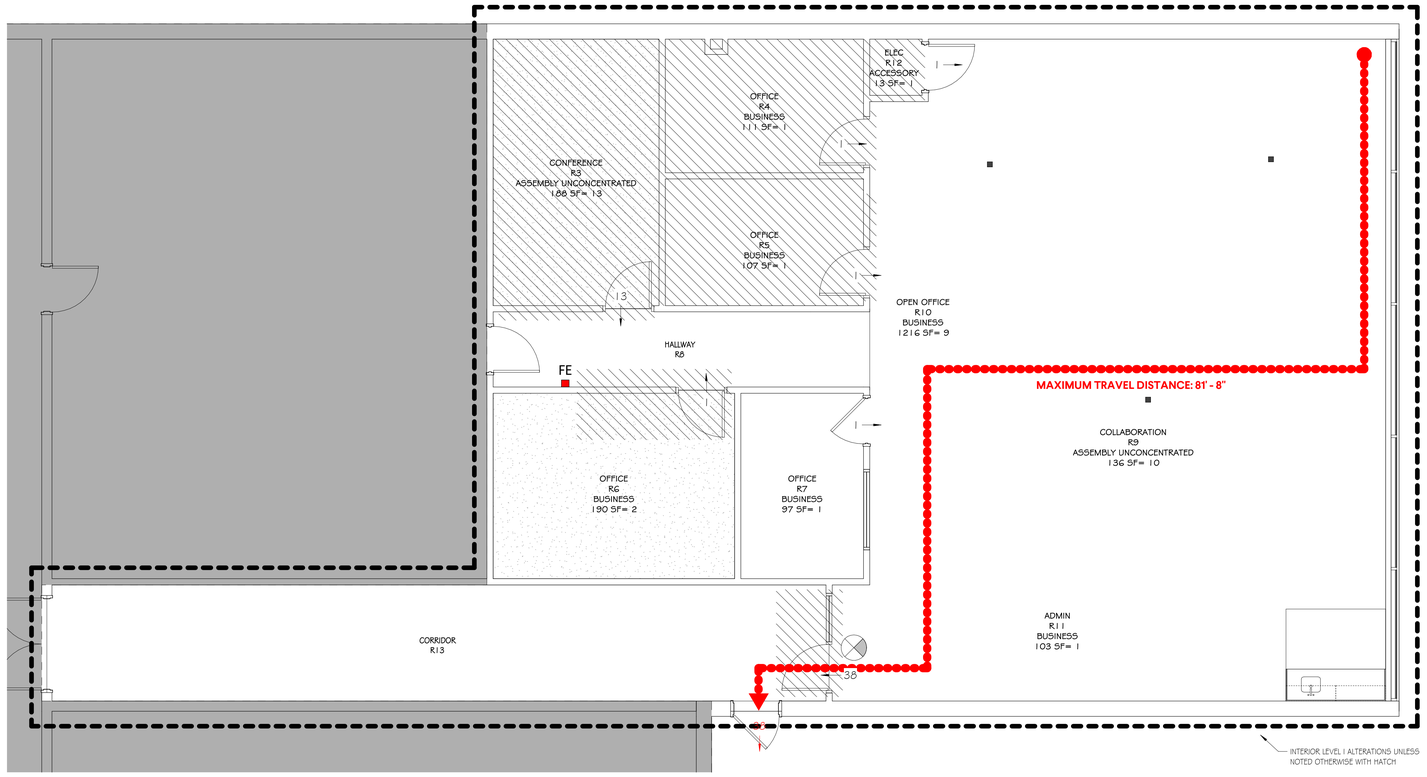

PLAN NORTH / TRUE NORTH

D3 LIFE SAFETY PLAN - LEVEL 1

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

PLAN LEGEND

- FE — FIRE EXTINGUISHER
- FHC — FIRE HOSE CONNECTION
- FEC — FIRE EXTINGUISHER CABINET
- MS — FIRE ALARM MANUAL PULL STATION
- FH — FIRE ALARM HORN
- FS — FIRE ALARM STROBE
- FHS — FIRE ALARM HORN/STROBE
- FHS — FIRE ALARM HORN/STROBE-CEILING MT
- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- FAP — FIRE ALARM PANEL /SUBPANEL
- MGA — MED GAS ALARM PANEL
- ILLUMINATED EXIT SIGN
- 60" EXIT DISCHARGE — EXIT DISCHARGE W/ CLEAR EXIT WIDTH (EXIT AND EXIT ACCESS SYMBOLS SIMILAR)
- ACC — ADA ACCESSIBLE ROUTE
- DISTANCE OF TRAVEL
- WORK AREA (LEVEL 2 AREA OF RECONFIGURATION PER EBC)
- LEVEL 1 ALTERATIONS (FINISHES, EQUIPMENT, & FIXTURE REPLACEMENT / REPAIR PER EBC)

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Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
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LIFE SAFETY PLAN - LEVEL 1

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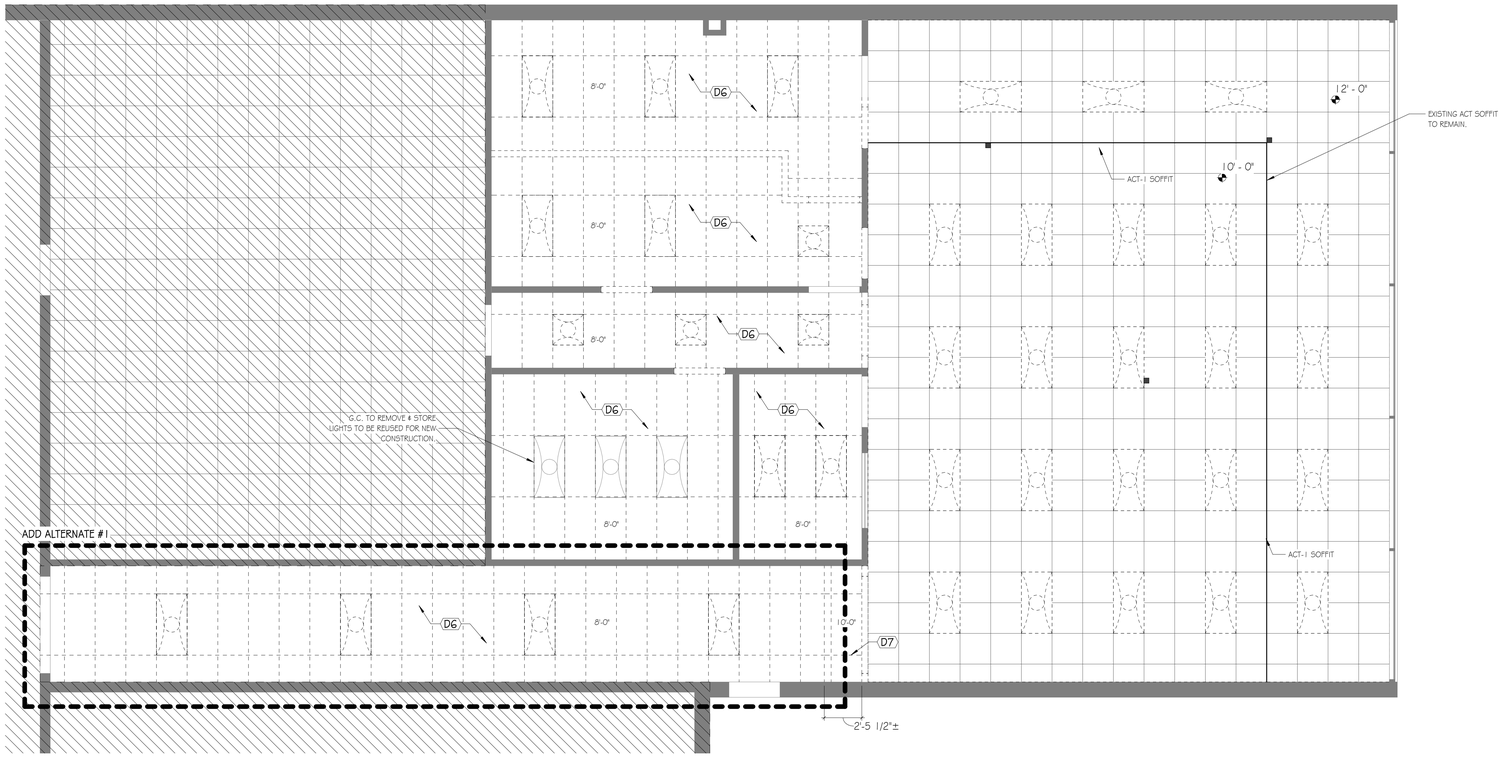
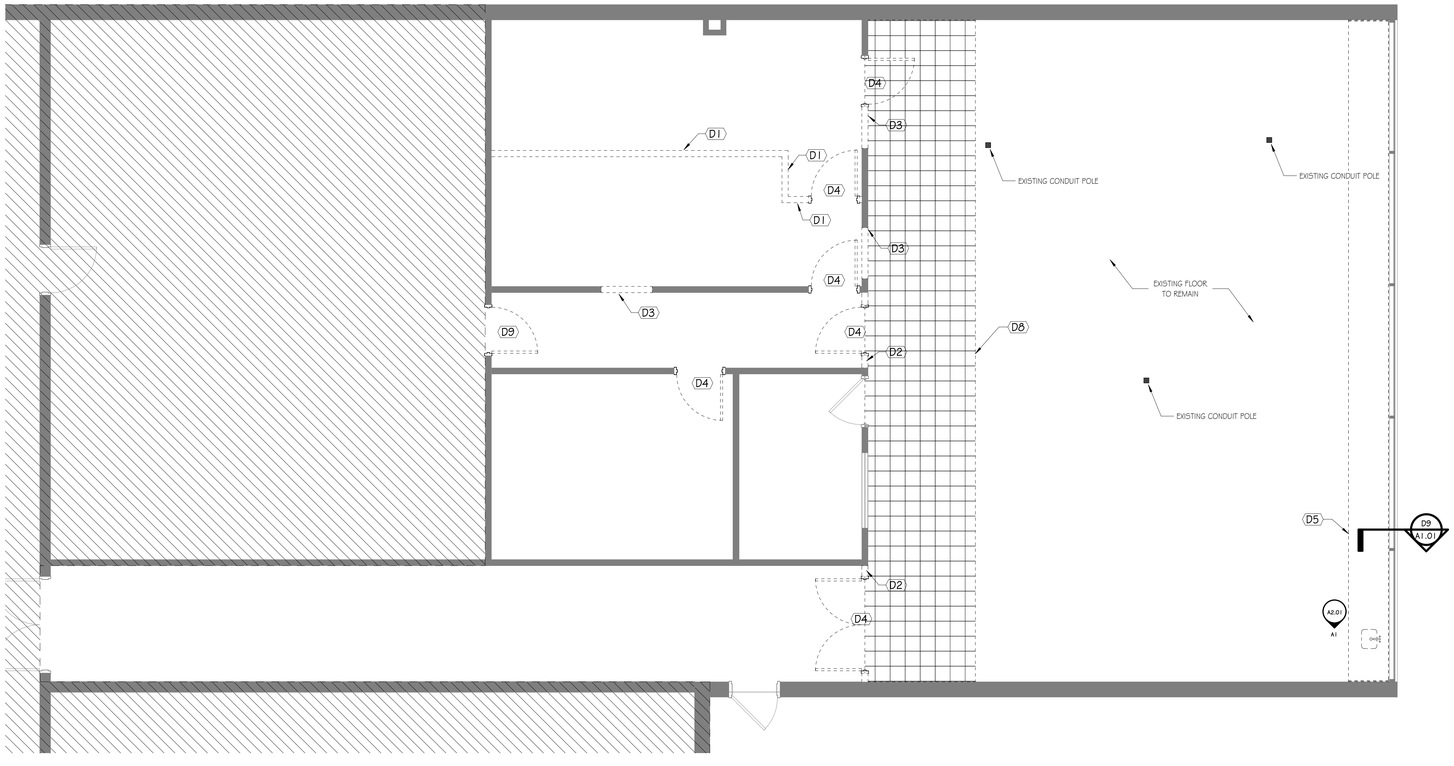


F2 DEMOLITION REFLECTED CEILING PLAN - LEVEL 1

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



A2 DEMOLITION PLAN - LEVEL 1

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

KEY NOTES - DEMOLITION

KEY	KEYNOTE
D1	REMOVE EXISTING WALL IN ITS ENTIRETY - PATCH AND REPAIR FLOOR SLAB AND ADJACENT WALLS AS REQUIRED
D2	DEMOLISH WALL AS INDICATED ON THE PLAN - PATCH AND REPAIR FLOOR SLAB AND ADJACENT WALLS AS REQUIRED
D3	DEMOLISH WALL AS INDICATED ON THE PLAN - COORDINATE THE HEIGHT OF DEMOLITION WITH ELEVATIONS
D4	REMOVE EXISTING DOOR, ASSOCIATED HARDWARE, AND THRESHOLD.
D5	REMOVE EXISTING BUILT-IN FURNITURE AND FIXTURE
D6	REMOVE EXISTING CEILING AND PREP TO RECEIVE NEW CEILING
D7	DEMOLISH PORTION OF EXISTING CEILING INDICATED ON PLAN AND PREP TO RECEIVE NEW CEILING
D8	DEMOLISH EXISTING FLOORING, VERIFY DIMENSIONS IN FIELD
D9	REMOVE EXISTING DOOR AND ASSOCIATED HARDWARE, THRESHOLD TO REMAIN.

DEMO RCP LEGEND

LAY-IN GRID TO REMAIN WHERE APPLICABLE. ONLY DAMAGED ACOUSTICAL CEILING TILES TO BE DEMOLISHED.

CEILING FINISHES:

- DEMO LAY-IN ACOUSTICAL CEILING SYSTEM - 2'X2'
- DEMO LAY-IN ACOUSTICAL CEILING SYSTEM - 2'X4'
- DEMO GYP BOARD
- GYP BOARD TO REMAIN

LIGHTING:

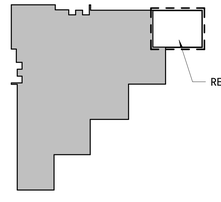
- DEMO 2X4 LAY-IN FIXTURE
- DEMO 1X4 UTILITY LIGHT
- DEMO LINEAR SUSPENDED OR WALL MOUNTED FIXTURE
- DEMO CIRCULAR RECESSED FIXTURE
- DEMO EXIT LIGHT
- DEMO EMERGENCY LIGHT

MECHANICAL:

ALL DIFFUSERS & GRILLES TO REMAIN, DASHED ICONS BELOW REPRESENT RELOCATION, SEE REFLECTED CEILING PLANS FOR NEW LOCATIONS.

- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- EXHAUST FAN

KEY PLAN LEGEND



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Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
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DEMOLITION PLAN AND RCP

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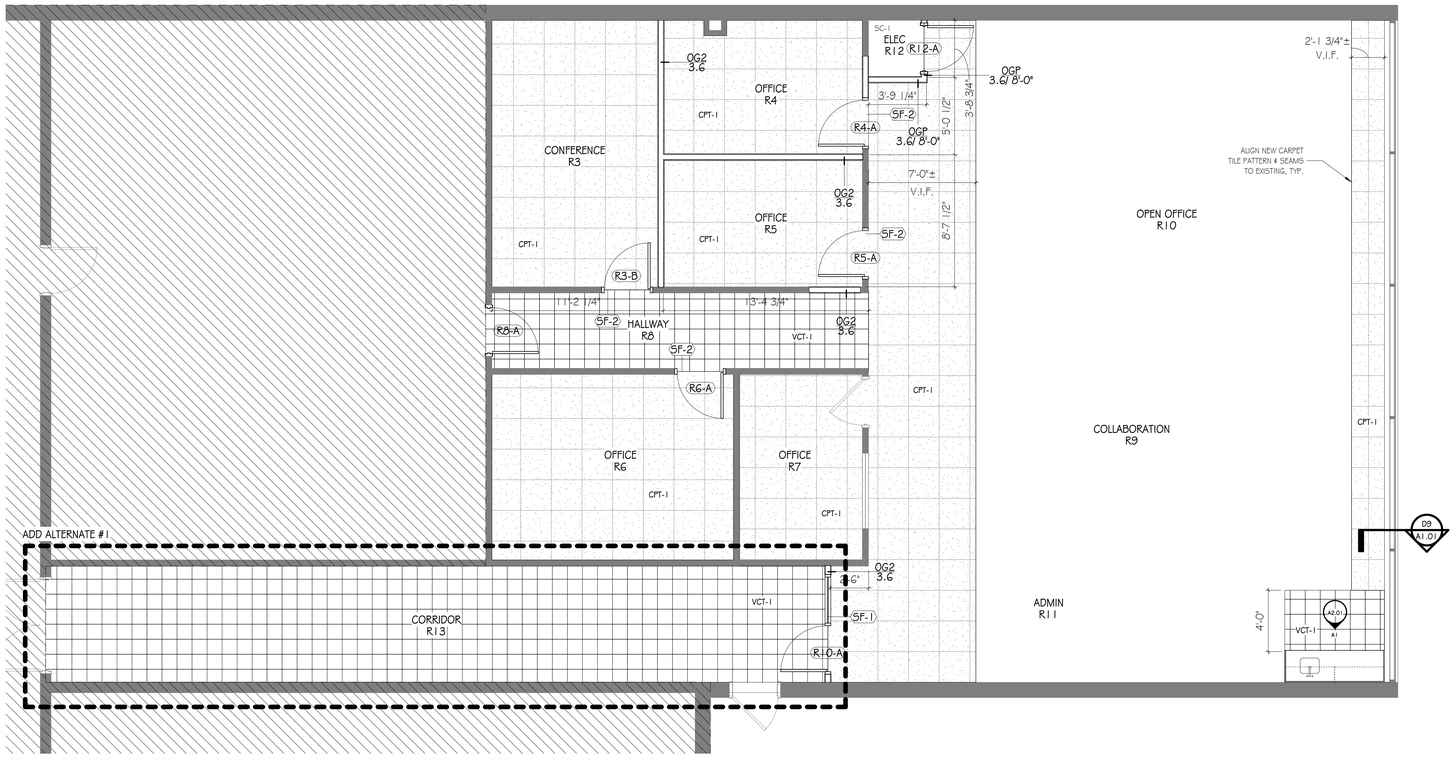
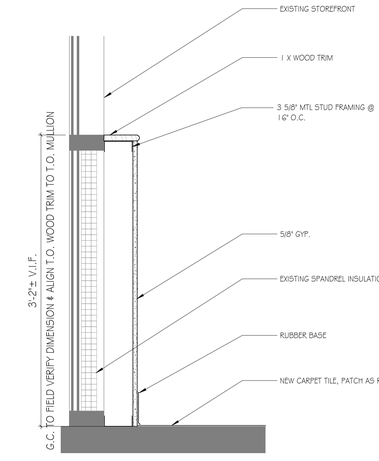


F1 FLOOR PLAN - LEVEL 1

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

DOOR SCHEDULE

LOCATION		SIZE			DOOR			FRAME		DOOR HARDWARE	
DOOR NUMBER	ROOM NAME	WIDTH	HT	THK	DOOR TYPE	MAT'L	GLASS OR LOUVER TYPE	FRAME TYPE	MAT'L	HARDWARE	COMMENTS
R3-B	CONFERENCE	3' - 0"	7' - 0"	1 3/4"	FG	STN	G1	SF-2	AL	CORBIN-RUSSWIN CL3851 w/ NZD TRIM	
R4-A	OFFICE	3' - 0"	7' - 0"	1 3/4"	FG	STN	G1	SF-2	AL	CORBIN-RUSSWIN CL3851 w/ NZD TRIM	
R5-A	OFFICE	3' - 0"	7' - 0"	1 3/4"	FG	STN	G1	SF-2	AL	CORBIN-RUSSWIN CL3851 w/ NZD TRIM	
R6-A	OFFICE	3' - 0"	7' - 0"	1 3/4"	FG	STN	G1	SF-2	AL	CORBIN-RUSSWIN CL3851 w/ NZD TRIM	
R8-A	HALLWAY	3' - 0"	7' - 0"	1 3/4"	F	STN		F1	HM	CORBIN-RUSSWIN L3857 w/ NZD TRIM, SURFACE-MOUNTED CLOSER	INSTALL RUBBER GASKETS AROUND DOOR HEAD, JAMB & SILL
R10-A	OPEN OFFICE	3' - 0"	7' - 0"	1 3/4"	FG	STN	G1	SF-1	AL	REUSE EXISTING HARDWARE W/ CORBIN-RUSSWIN IC CORE, SURFACE-MOUNTED CLOSER	
R12-A	ELEC	3' - 0"	7' - 0"	1 3/4"	F	STN		F1	HM	CORBIN-RUSSWIN L3857 w/ NZD TRIM	



D9 STOREFRONT SECTION DETAIL

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

DOOR GENERAL NOTES

1) GENERAL:
A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.
B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN. (E.G. ALUMINUM FRAMED ENTRANCE DOORS. SEE SPECIFICATIONS)

2) MATERIAL AND FINISH:
A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:

HM	HOLLOW METAL
ST	STEEL
ST/S	STEEL / STAINLESS OR STAINLESS CLAD
WD	SOLID CORE WOOD
WD/PL	WOOD / PLASTIC LAMINATE FACED
WD/IR	WOOD / IMPACT-RESISTANT VINYL-FACED
AL	ALUMINUM
GL	GLAZING/GLASS
PREFIN	PREFINISHED (OR FACTORY FINISHED)
PNT	PAINTED
STN	STAINED

3) GLASS:
A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 08 8000 "GLAZING"):
MONOLITHIC:
T CLEAR, TEMPERED

5) DOOR HARDWARE:
A. SEE DOOR HARDWARE SCHEDULE & NOTES BELOW FOR LOCKS AND LEVER TYPES
B. EACH DOOR TO RECEIVE 3 HEAVY DUTY HINGES (HINGES TO MATCH EXISTING FRAME MOUNTING LOCATION, WHERE EXISTING FRAME IS TO REMAIN).

B. ALL WOOD DOOR SPECIES, STAIN, & HARDWARE TO MATCH EXISTING BUILDING STANDARD.
1. OFFICES & CONFERENCE: CORBIN-RUSSWIN CL3851 W/ NZD TRIM
2. STOREROOM: CORBIN-RUSSWIN CL3857 W/ NZD TRIM
3. IF SALVAGEABLE, REUSE THE MORTISE LOCKSET FROM THE EXISTING DOOR BETWEEN CORRIDOR R13 & ADMIN R11. INSTALL EXISTING DOOR HARDWARE IN NEW DOOR R10-A.

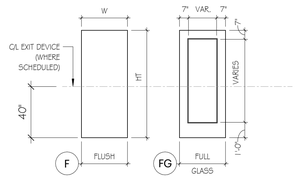
*SEE DOOR SCHEDULE

GENERAL NOTES - FLOOR PLAN

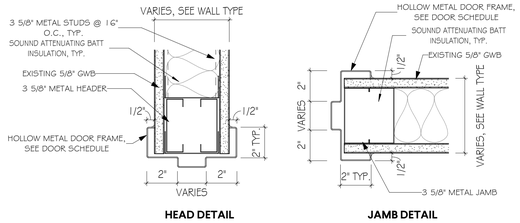
1. AT EXISTING, NON-DEMOLISHED CEILINGS, DAMAGED ACOUSTICAL CEILING TILES TO BE REPLACED AS NEEDED.

2. EXISTING CARPET TILES TO REMAIN IN COLLABORATION R9, OPEN OFFICE R10, & ADMIN R11. PATCH AND REPAIR CARPET TILES AS NEEDED, VERIFY DIMENSIONS IN FIELD. EXISTING CARPET SHALL BE PROTECTED THROUGH CONSTRUCTION.

DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS

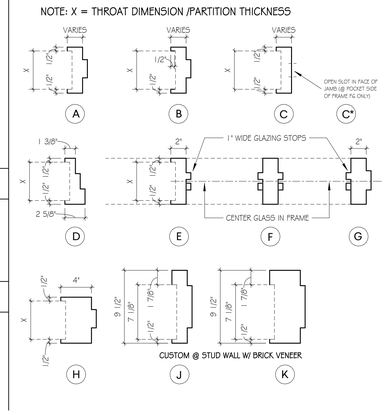


INTERIOR HOLLOW METAL FRAME DETAILS



HEAD DETAIL **JAMB DETAIL**

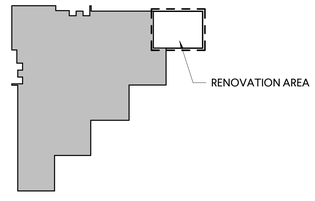
FRAME PROFILES



ADD ALTERNATE

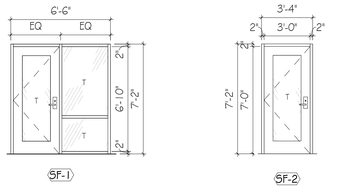
ADD ALTERNATE #1: CORRIDOR R13
SCOPE: WALLS/DOORS/FRAMES SHALL BE PAINTED/ STAINED TO MATCH THE EXISTING BUILDING COMPONENTS (ONLY INSIDE THE CORRIDOR). THE EXISTING VCT FLOORING SHALL BE REPLACED WITH NEW VCT. THE EXISTING ACT CEILING GRID AND TILES AND LIGHT FIXTURES SHALL BE DEMOLISHED AND NEW ACT CEILING GRIDS AND TILES AND LIGHT FIXTURES SHALL BE INSTALLED. LIGHTS SHALL BE REWIRED, THERE WILL BE NO OTHER ELECTRICAL WORK OR MECHANICAL WORK REQUIRED. EXISTING CEILING VENTS SHALL REMAIN AND BE REUSED.

KEY PLAN LEGEND



FRAME TYPES - HOLLOW METAL

STOREFRONT ELEVATIONS



GLASS SCHEDULE

1. SEE SPECIFICATIONS FOR STOREFRONT & GLAZING DETAILS

T CLEAR, TEMPERED

NOTES:

1. EXISTING CONDITIONS MAY VARY, GC TO FIELD VERIFY PRIOR TO ORDERING OR INSTALLING STOREFRONT.
2. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS PRIOR TO ORDERING STOREFRONT.

GMC

Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
GMCNETWORK.COM

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FLOOR PLAN & DOOR SCHEDULE

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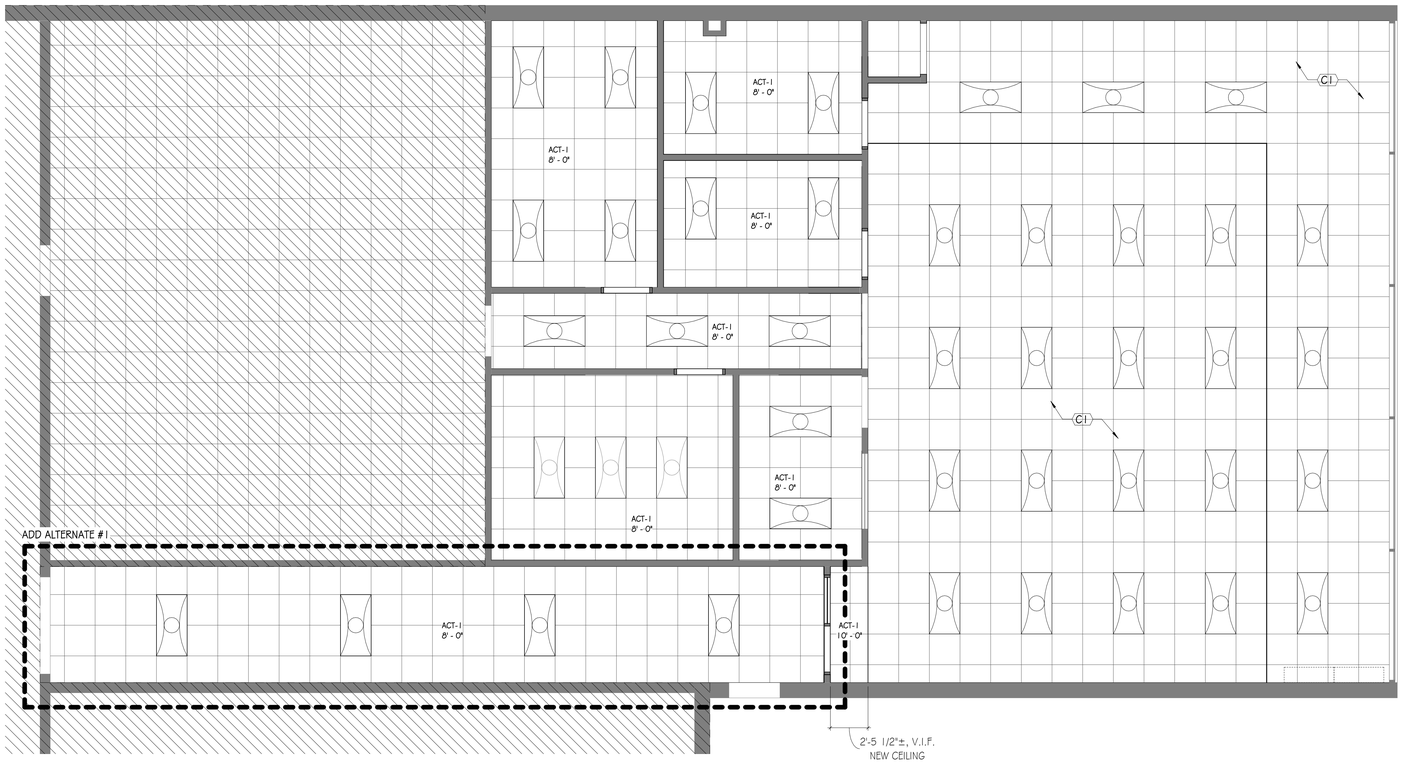
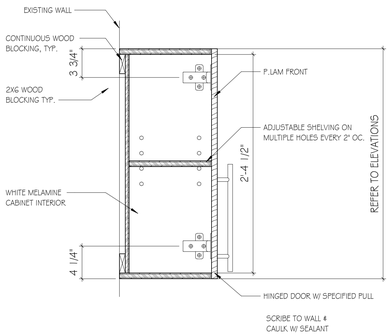
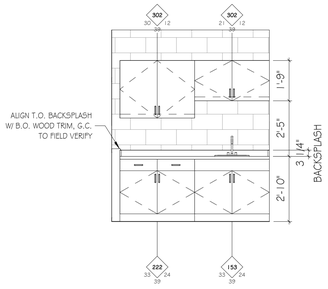


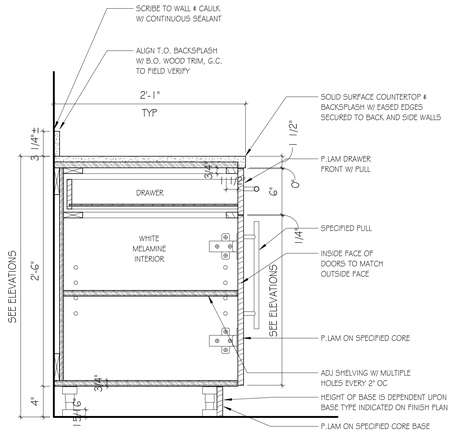
E1 REFLECTED CEILING PLAN - LEVEL 1
SCALE: 1/4" = 1'-0"



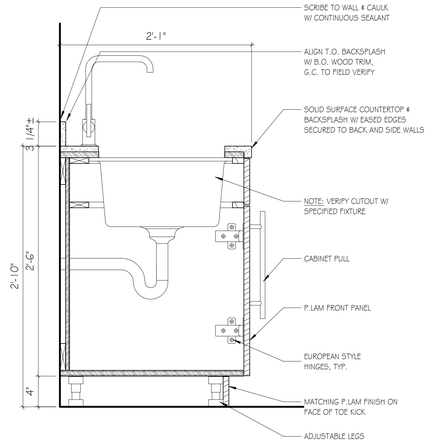
D8 (M9) TYP. UPPER CABINET
SCALE: 11/2" = 1'-0"



A1 ELEV - OPEN OFFICE R10 SOUTH
SCALE: 3/8" = 1'-0"



A5 (M4) TYP. DR & DWR BASE CABINET
SCALE: 11/2" = 1'-0"



A8 (M6) TYP. BASE SINK CABINET
SCALE: 11/2" = 1'-0"

KEY NOTES - CEILING PLAN

KEY	KEYNOTE
C1	ACOUSTICAL CEILING GRID TO REMAIN, REPLACE DAMAGED ACOUSTICAL CEILING TILES AS NEEDED.

RCP LEGEND

REUSE ALL EXISTING CEILING GRIDS WHERE APPLICABLE, REPLACE DAMAGED LAY-IN ACOUSTICAL CEILING TILES ONLY.

CEILING FINISHES:

- LAY-IN ACOUSTICAL CEILING SYSTEM - 2'X2'
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2'X4'

LIGHTING:

- 2X4 LAY-IN FIXTURE
- 1X4 UTILITY LIGHT
- LINEAR SUSPENDED OR WALL / CEILING MOUNTED FIXTURE
- CIRCULAR RECESSED FIXTURE
- EXIT LIGHT
- EMERGENCY LIGHT

MECHANICAL:

REUSE ALL EXISTING DIFFUSERS & GRILLES, RELOCATED SELECT DIFFUSERS & GRILLES AS INDICATED IN MECHANICAL DRAWINGS.

- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- EXHAUST FAN

GENERAL NOTES - REFLECTED CEILING PLAN

1. CEILING HEIGHTS SHALL BE AS NOTED ON REFLECTED CEILING PLANS.
2. NEW CEILINGS WILL BE TAGGED WITH TYPE AND HEIGHT.
3. EXISTING CEILINGS TO REMAIN WILL NOT BE TAGGED.
4. WHEREVER POSSIBLE NO CEILING TILE SHOULD BE LESS THAN 6" IN ANY DIRECTION.
5. SEE ELECTRICAL FOR ALL LIGHT FIXTURE TYPES AND SIZES.
6. SEE MECHANICAL FOR ALL DIFFUSER TYPES AND SIZES.
7. COORDINATE LOCATIONS OF ALL LIGHTS, DIFFUSERS, AND DEVICES BETWEEN THIS RCP AND MECHANICAL, FIRE PROTECTION, AND ELECTRICAL.
8. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND BEFORE PROCEEDING.
9. WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER FIXTURE OVER DOOR BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.

GMC

Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
GMCNETWORK.COM

ISSUE	DATE
BID DOCUMENTS	06/23/2025

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SCC - GAINES BUILDING OFFICE RENOVATION
131 COMMUNITY COLLEGE DRIVE,
SPARTANBURG, SC 29303

GMC # ACST250006

STATE OF SOUTH CAROLINA
JOSHUA DAVID BAGWELL
Charleston, SC
No. 9894
REGISTERED ARCHITECT

REFLECTED CEILING PLAN

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FINISH NOTES

FLOORS:

- REFER TO FLOOR FINISH PLANS FOR FLOOR PATTERN. CONTRACTOR MUST NOTIFY INTERIOR DESIGNER BEFORE INSTALLATION OF FLOORING TO REVIEW DESIGN INTENT OF FLOOR PATTERN PLAN

- ALL FLOORING TRANSITIONS INCLUDING TRANSITIONS TO SIMILAR MATERIAL OR REDUCER STRIPS AND OTHER THRESHOLDS TO DISSIMILAR MATERIAL SHALL BE LOCATED AT THE CENTERLINE OF DOOR WHEN IN CLOSED POSITION. COLORS SHALL BE SELECTED DURING SUBMITTAL REVIEW. REFER TO DETAILS FOR TRANSITIONS BETWEEN FLOORING MATERIALS. CONTRACTOR TO PROVIDE TRANSITION SIZES APPROPRIATE FOR THICKNESS

- AVOID ALL FLOORING MATERIAL SLIVER CUTS LESS THAN 4" WIDE @ WALL PERIMETERS & MATERIAL TRANSITIONS. CONTACT DESIGNER IF JOBSITE CONDITIONS DIFFER.

- INSTALL FLOORING CONTINUOUS UNDER ALL CASEWORK, MILLWORK, EQUIPMENT, & FURNITURE

- ALIGN VERTICAL GROUT JOINTS IN TILE BASE WITH THOSE IN THE FLOOR TILE UNLESS NOTED OTHERWISE

RENOVATION: THESE SHOULD BE IN FINISH LEGEND

- AT EXISTING SEALED CONCRETE FLOOR LOCATIONS NOTED AS SC ON FINISH PLANS - GC TO CLEAN, GRIND & RE-SEAL AS SPECIFIED.

-AREAS WITH CARPET TILE TO BE PATCHED WHERE FLOOR BOXES ARE BEING REMOVED.

WALLS:

- REFER TO FINISH PLANS & ELEVATIONS FOR LOCATION OF ACCENT PAINT COLORS

- ALL HOLLOW METAL DOOR & WINDOW FRAMES TO BE PAINTED (PNT-2) UNLESS OTHERWISE NOTED

- ALL ACCESS PANELS AND MISCELLANEOUS METAL (RETURN AND AIR SUPPLY GRILLES, EXPANSION JOINTS, ETC.) LOCATED ON WALL SURFACES OR CEILING SURFACES TO BE PAINTED WALL OR CEILING COLOR U.N.O.

- WALL BASE TO BE INSTALLED ON ALL WALLS, MILLWORK, AND CASEWORK U.N.O.

- INSTALL FINISH STRIP EQUAL TO SCHLUTER "JOLLY" AT ALL EXPOSED TILE EDGES & CORNERS

MILLWORK / CASEWORK:

- INSTALL 3MM EDGEBAND ON ALL PLASTIC LAMINATE COUNTERTOPS AND CABINETS.

- GROMMET LOCATIONS TO BE COORDINATED WITH OWNER

- FIELD VERIFY ALL DIMENSIONS FOR CASEWORK & MILLWORK PRIOR TO FABRICATION & INSTALLATION

- ALL EXPOSED ENDS AND EXPOSED INTERIORS OF CASEWORK/ MILLWORK TO RECEIVE MATCHING LAMINATES

- ALL CABINETS TO BE LOCKABLE

MISC:

- DO NOT PAINT DOOR LABELS AT RATED DOORS OR FRAMES.

- PROVIDE BLOCKING AS REQUIRED AT ALL TELEVISION LOCATIONS - COORDINATE WITH OWNER'S EQUIPMENT

- CAULK ALL DOOR FRAMES, MILLWORK, AND VIEW WINDOW FRAMES AFTER WALLCOVERING INSTALLATION IS COMPLETE. COLOR OF CAULK TO MATCH ADJACENT FINISH.

- GC TO PROVIDE SPECIFIED EXPANSION JOINT COVER AT ALL EXPOSED FINISH FLOOR, CEILING, AND WALL LOCATIONS

- MARKER BOARDS HEIGHTS TO BE (3'-0" A.F.F.) TO THE BOTTOM OF WRITING SURFACE. GC TO COORDINATE WALL BLOCKING AS REQ'D.

- ALL PARTIES RESPONSIBLE FOR DELIVERING FINISHES TO THE SITE SHALL CHECK AVAILABILITY OF QUANTITIES AND DELIVERY DATES UPON NOTICE TO PROCEED. NO CONSIDERATION WILL BE GIVEN FOR FAILURE TO COMPLY WITH THIS REQUIREMENT.

RCP NOTES:

- INTERIOR CEILING HEIGHTS SHALL BE AS INDICATED ON THE REFLECTED CEILING PLANS.

- WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER ABOUT DOOR, BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.

- DO NOT INSTALL CEILING TILE LESS THAN 6" IN ANY DIRECTION - WHEN POSSIBLE CENTER TILE IN ROOM.

- COORDINATE WITH OWNER'S A/V CONSULTANT FOR PROJECTION SCREEN AND PROJECTOR LOCATIONS

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	MILLWORK/CASEWORK CABINET	MILLWORK/CASEWORK COUNTERTOP	COMMENTS
R3	CONFERENCE	CPT-1	RB-1	PNT-1			
R4	OFFICE	CPT-1	RB-1	PNT-1			
R5	OFFICE	CPT-1	RB-1	PNT-1			
R6	OFFICE	CPT-1	RB-1	PNT-1			
R7	OFFICE	CPT-1	RB-1	PNT-1			
R8	HALLWAY	VCT-1	RB-1	PNT-1			
R9	COLLABORATION	CPT-1	RB-1	PNT-1			
R10	OPEN OFFICE	CPT-1/ VCT-1	RB-1	PNT-1	PL-1	SS-1	
R11	ADMIN	CPT-1	RB-1	PNT-1			
R12	ELEC	CPT-1	RB-1	PNT-1			
R13	CORRIDOR	VCT-1	RB-1	PNT-1			PAINT WALLS AND DOOR FRAMES AND PAINT/ STAIN EXISTING DOORS ON HALL SIDE ONLY

ADD ALTERNATE #1

CASEWORK SCHEDULE

NOTE: CABINET DESIGN SERIES (CDS) NUMBERS BASED ON AWI STANDARDS EDITION 2

CDS #	CASEWORK TYPE	DESCRIPTION
153	BASE CAB	FALSE DRWR / REMOVABLE TOE FOR ADA
222	BASE CAB	DBL DOORS / DBL DRWRS
302	WALL CAB	DBL DOORS

FINISH LEGEND

FLOOR

NUMBER	TYPE	DETAIL DESCRIPTION
CPT-1	CARPET	MANUFACTURER: MILLIKEN & COMPANY COLLECTION: SOUTHERN ANALOG DESIGN NAME: VOLTAGE COLOR: VT316 BALANCE SIZE: INSTALLATION: LOCATION:
VCT-1	VINYL COMPOSITION TILE	MANUFACTURER: ARMSTRONG STYLE NAME: STERLING ITEM NUMBER: 51904 SIZE: 12" x 12" INSTALLATION: LOCATION:
SC-1	SEALED CONCRETE	

FLOOR

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTIC CEILING TILE	MANUFACTURER: USG STYLE NAME: RADAR 2210 COLOR: WHITE SIZE: 24X24 GRID: DONN® BRAND DX®/DXL™ 15/16" LOCATION: ALL NEW WORK

BASE

NUMBER	TYPE	DETAIL DESCRIPTION
RB-#	RUBBER BASE	MANUFACTURER: ROPPE STYLE NAME: 700 SERIES COLOR: 178 PEWTER SIZE: 4"

WALL

NUMBER	TYPE	DETAIL DESCRIPTION
PNT-1	[GENERAL/MAIN PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: CRYSTAL BALL #8780W TYPE: LATEX LOCATION: ALL WALLS
PNT-2	[TRIM/ FRAME PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: STERLING COIN #8782 TYPE: LATEX LOCATION: TRIM/ FRAMES

MISC

NUMBER	TYPE	DETAIL DESCRIPTION
PL-#	PLASTIC LAMINATE [TYP. FACE]	MANUFACTURER: WILSONART STYLE NAME: WHITE OAT PB HONEY COLOR: 8283K-05 FINISH: TIMBERGRAIN *SPECIFIED BY OWNER
SS-1	SOLID SURFACE	MANUFACTURER: WILSONART STYLE NAME: DESIGNER WHITE COLOR: D3545L *SPECIFIED BY OWNER

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Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
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REGISTERED ARCHITECT

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FINISH LEGEND & SCHEDULE

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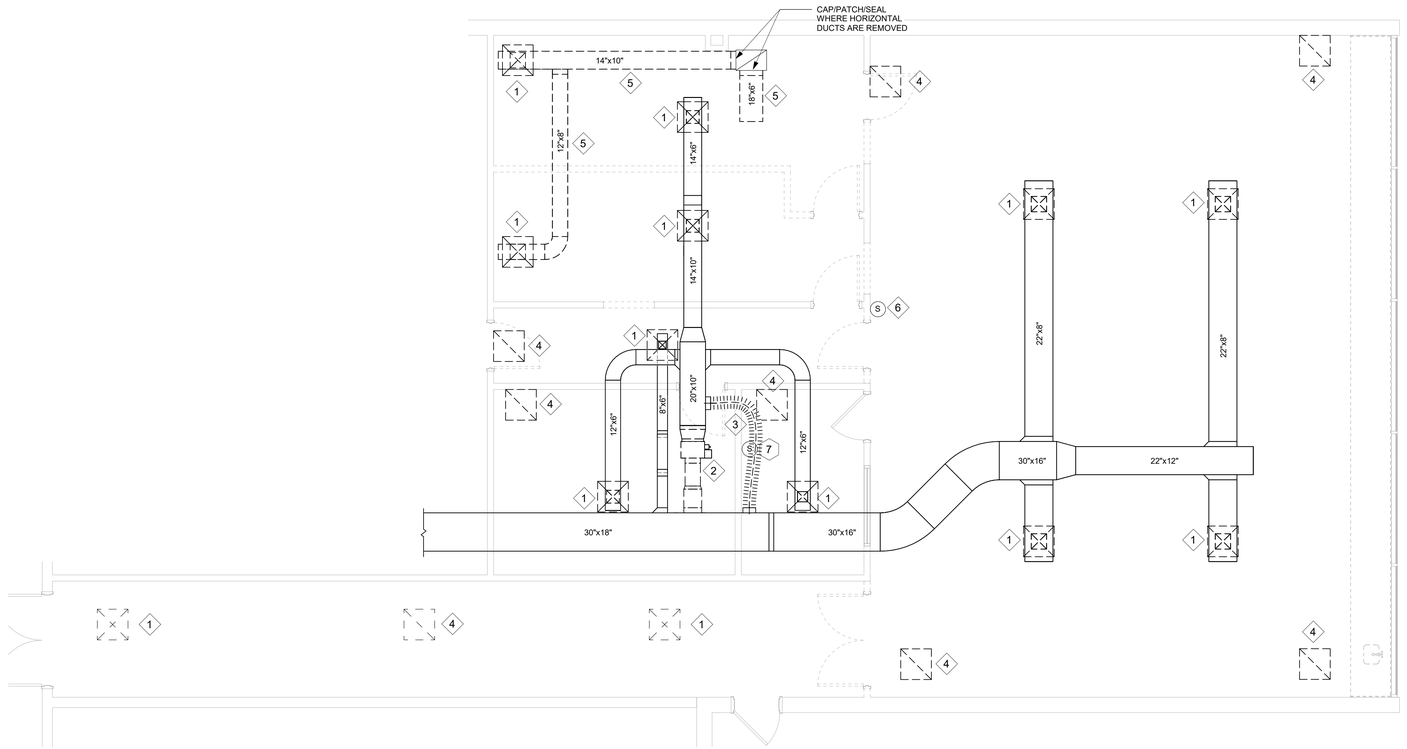
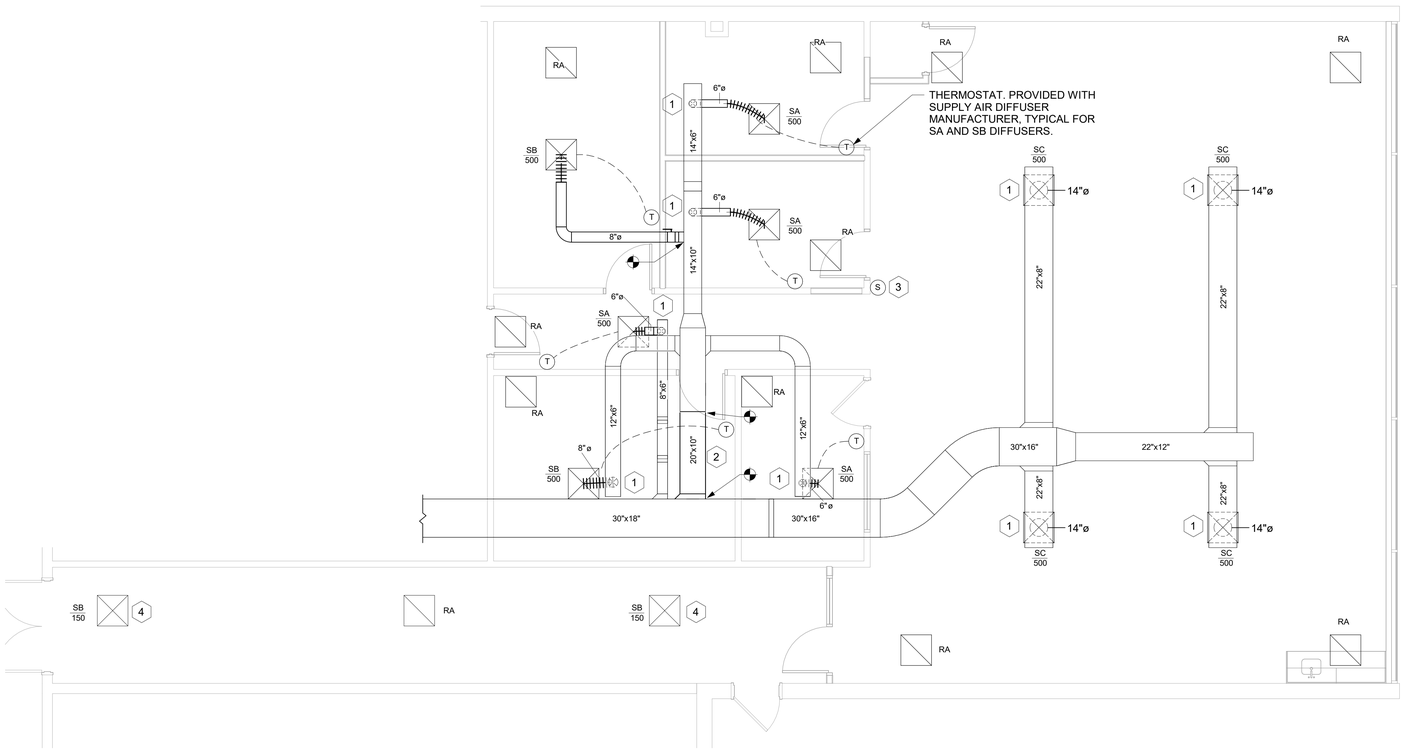


1 HVAC Demolition Plan
1/4" = 1'-0"



2 HVAC Plan
1/4" = 1'-0"

DEMOLITION PLAN NOTES

1. REMOVE EXISTING SUPPLY AIR DIFFUSER. REMOVE EXISTING SQUARE DUCT DROP TO DIFFUSER.
2. REMOVE EXISTING VAV BOX AND ASSOCIATED INLET DUCT.
3. REMOVE EXISTING FLEX DUCT. CAP/PATCH/SEAL OPENINGS IN DUCTS.
4. REMOVE EXISTING RETURN AIR PLENUM GRILLES.
5. REMOVE EXISTING EXHAUST DUCT.
6. EXISTING TEMPERATURE SENSOR TO RELOCATED AS NEEDED DUE TO WALL DEMOLITION.
7. EXISTING TEMPERATURE SENSOR TO BE REMOVED AND TURNED OVER TO THE OWNER.

PLAN NOTES

1. CONNECT NEW DUCT FOR DIFFUSER TO EXISTING DUCT. PROVIDE BRANCH BALANCING DAMPER IN CONNECTION AT EXISTING DUCT.
2. INSTALL NEW DUCT WHERE EXISTING VAV AND VAV INLET DUCT WERE REMOVED. FIELD VERIFY EXISTING DUCT SIZES. PROVIDE INSULATION TO MATCH ADJACENT DUCT.
3. EXISTING TEMPERATURE SENSOR REINSTALLED.
4. CONNECT NEW SUPPLY AIR DIFFUSER TO EXISTING DUCT. PROVIDE FLEX DUCT CONNECTION. PROVIDE SQUARE TO ROUND TRANSITION AT EXISTING DUCT. FIELD VERIFY SIZE OF EXISTING DUCT.

CONNECT TO EXISTING

GENERAL NOTES:

1. ALL WORKS SHALL BE PER THE INTERNATIONAL MECHANICAL CODE (2021).
2. ALL WORK SHALL BE COORDINATED WITH THE GC AND WITH ALL OTHER TRADES.
3. DIFFUSER AND GRILLE LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.
4. COORDINATE EXACT THERMOSTAT LOCATIONS WITH OWNER AND GC.

DUCT NOTES:

1. ALL DUCT SHALL BE CONSTRUCTED AND INSTALLED PER SMACNA STANDARDS.
2. ALL DUCT JOINTS (LONGITUDINAL AND TRANSVERSE) SHALL BE SEALED WITH AN APPROVED DUCT SEALER.
3. FLEX DUCT SHALL BE BE PER UL 181 AND SHALL HAVE AN R VALUE OF 6.0. FLEX DUCT LENGTHS SHALL BE LIMITED TO 4' MAX.

DUCT INSULATION NOTES:

1. ALL SUPPLY AIR DUCT SHALL HAVE 2.2" THICK (R-6) DUCTWRAP INSULATION WITH FSK JACKET. INSULATION SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS. ALL DUCT INSULATION JOINTS, SEAMS, TEARS, PUNCTURES, AND PENETRATIONS SHALL BE SEALED WITH VAPOR BARRIER MASTIC EQUAL TO CHILDERS CP-36.
2. DUCT HANGERS SHALL NOT BE ON THE EXTERIOR OF THE INSULATION. DUCT HANGERS SHALL BE INSTALLED BETWEEN THE DUCT AND INSULATION.

AIR BALANCE NOTES:

1. BALANCE ALL DIFFUSERS TO AIRFLOWS SHOWN (+/- 5%).
2. AIR BALANCING SHALL BE PERFORMED BY AN AIR BALANCE COMPANY THAT IS AABC CERTIFIED.

AIR DISTRIBUTION SCHEDULE

MARK	TYPE	CONNECTION SIZE	FACE SIZE	MANUF.	MODEL	ACCESSORIES
SA	VAV SUPPLY 4-WAY	6"Ø/8"x6"	24"X24"	PRICE	AMD	1,2
SB	VAV SUPPLY 4-WAY	8"Ø/9"x9"	24"X24"	PRICE	AMD	1,2
SC	SUPPLY 4-WAY	14"Ø/18"x18"	24"X24"	PRICE	PPD	1,3,4
RA	RETURN	22"x22"	24"X24"	PRICE	630	1,2
EQUAL PRODUCTS BY: KRUEGER, METALAIRE, TITUS, TUTTLE & BAILEY, NAILOR						
ALL PRODUCTS SHALL BE WHITE COLOR UNLESS NOTED OTHERWISE.						
ACCESSORIES:						
1. LAY-IN CEILING. 2. ALUMINUM 3. STEEL 4. VAV MOTORIZED DIFFUSER. HEAT AND COOL CONTROL. ELECTRIC ACTUATOR, 120/24 VOLT TRANSFORMER, INSULATED BACKPAN. FACTORY LCD HARDWIRED THERMOSTAT.						

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HVAC • PLUMBING • FIRE PROTECTION
STEPHENS ENGINEERING & CONSULTING, LLC
130 HERITAGE LANE
EASLEY, SC 29642
(864) 414-1965

GMC

Goodwyn Mills Cawood, LLC
997 Morrison Drive, Suite 102
Charleston, SC 29403
T 843.727.3140
GMCNETWORK.COM

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GMC # ACST250006

SOUTH CAROLINA
STEPHENS ENGINEERING & CONSULTING LLC
C05169
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
NO. 16685
6-13-2025
DANIEL C. STEPHENS

HVAC PLANS

M1.1

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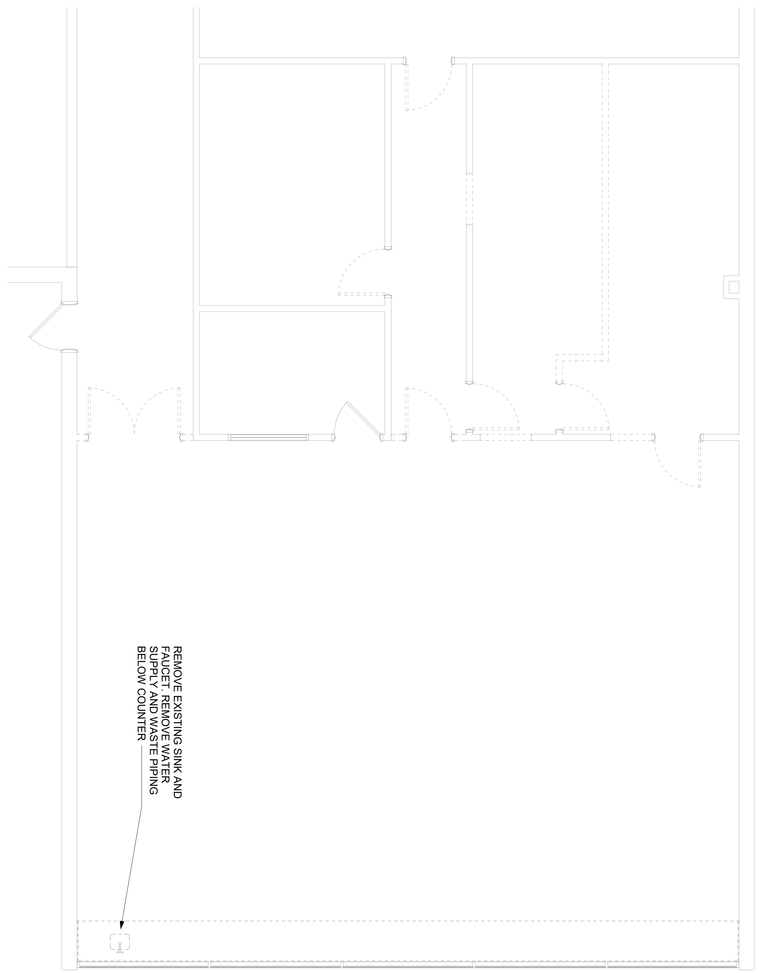
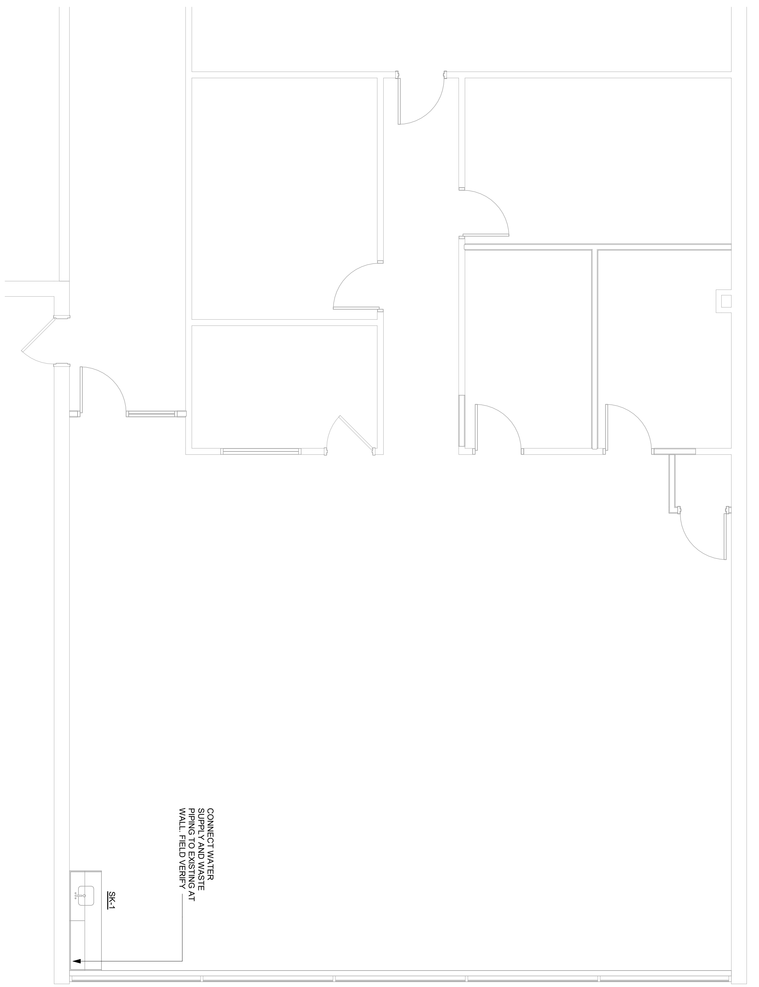


1 Plumbing Demolition Plan
1/4" = 1'-0"



2 Plumbing Plan
1/4" = 1'-0"

SK-1 ELKAY LUSTERTONE MODEL ELUH2715 UNDERMOUNT SINK TYPE 304, 18 GA. STAINLESS STEEL, 6-1/2" DEEP BOWL. FURNISH WITH T & S BRASS MODEL B-2867-04 DECK MOUNTED FAUCET WITH VARIABLE FLOW HANDLE AND SWIVEL GOOSENECK SPOUT. PROVIDE BASKET STRAINER AND TAILPIECE, CHROME PLATED WALL STOP VALVES AND CHROME PLATED P-TRAP. PROVIDE SHORT LENGTH STAINLESS STEEL FLEX HOSE CONNECTIONS FOR WATER SUPPLY

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EASLEY, SC 29642
(864) 414-1965

Plumbing Plans

P1.1

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Goodwyn Mills Cawood, LLC
997 Morrison Drive, Suite 102
Charleston, SC 29403
T 843.727.3140
GMCNETWORK.COM

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GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE 2020 VERSION OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL CODES, LAWS, AND ORDINANCES. WHERE ONE CODE DIFFERS FROM ANOTHER, THE STRICTER OF THE TWO SHALL APPLY.

2. IT IS THE DUTY OF THE ELECTRICAL CONTRACTOR TO BE FAMILIAR WITH THE CONSTRUCTION DETAILS OF THE BUILDING. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ELECTRICAL SYSTEM WITH ALL OTHER TRADES AND SHALL COMPLETE THE ELECTRICAL INSTALLATION AS SOON AS CONDITIONS WILL ALLOW.

3. ALL WORK SHALL BE DONE IN A NEAT, QUALITY MANNER WITH ALL WIRING AND RACEWAYS CONCEALED.

4. ALL ELECTRICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC IN NATURE. THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES WORKING ON THE PREMISES.

5. WHERE CONDUIT AND WIRING HAS NOT BEEN SHOWN ON THE DRAWINGS THE ARRANGEMENT AND ROUTING OF LIGHTING AND RECEPTACLE BRANCH CIRCUITS WILL BE AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED GOOD PRACTICE, N.E.C. REQUIREMENTS AND THE FOLLOWING LIMITATIONS:

   A. SIZE BRANCH CIRCUIT CONDUCTORS WITHIN THE FOLLOWING MAXIMUM LENGTH LIMITS: (MEASURE TO THE CENTER OF THE LOAD FOR LIGHTING CIRCUITS AND THE MOST REMOTE OUTLET FOR RECEPTACLE CIRCUITS)

	#12	#10	#8	#6
120V., 20A.	85'	110'	165'	270'
277V., 20A.	160'	250'	390'	600'

6. THIS PROJECT TO MEET NFPA 72 AND ADA REQUIREMENTS REGARDING MOUNTING HEIGHTS OF ELECTRICAL DEVICES.

7. RECESSED LIGHTING FIXTURES MUST HAVE 1/2" CLEARANCE FROM COMBUSTIBLE MATERIALS AND 3" CLEARANCE FROM INSTALLATION OR BE IC RATED PER ARTICLE 410.116 (A) 1 AND 2 AND 410.66 (B) OF THE 2020 NEC.

8. IN ACCORDANCE WITH SPECIFICATIONS, DURING CONSTRUCTION OPERATIONS, THE ELECTRICAL CONTRACTOR SHALL MAKE A RECORD OF ALL APPROVED CHANGES FROM THE CONTRACT DRAWINGS, INCLUDING ACCURATE DIMENSIONS WHERE APPLICABLE, AND SHALL ALSO RECORD ACCURATE DIMENSIONS LOCATING ALL BELOW-GRADE OUTSIDE ELECTRICAL UTILITES (WHETHER CHANGED OR NOT) WITH REFERENCE TO PERMANENT ABOVE-GRADE OBJECTS.

   AT THE COMPLETION OF THE WORK ALL SUCH CHANGES SHALL BE RECORDED NEATLY IN RED INK BY THE ELECTRICAL CONTRACTOR ON AN UNUSED SET OF THE ELECTRICAL CONTRACT DRAWINGS SUPPLIED BY THE ARCHITECT. THE RED LINE CHANGES SHALL BE REVIEWED AND APPROVED BY THE ENGINEER AND THE COMPLETED RECORD PRINTS RETURNED TO THE ARCHITECT.

9. MINIMUM SIZE CONDUIT FOR 20A CIRCUITS IS 3/4". MC CABLE IS PERMISSIBLE FOR LIGHT FIXTURE WHIPS (LESS THAN 6 FEET) AND AREA 20A CIRCUITS. HOME RUNS FROM AREA JUNCTION BOX TO BE ROUTED IN EMT CONDUIT. MC CABLE IS NOT ALLOWED IN OPEN CEILING AREAS.

10. ALL PRE-WIRED EQUIPMENT MUST BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY PER ARTICLE 110.3 (A AND B) OF THE 2020 NEC.

11. THE TERMINATION PROVISIONS OF EQUIPMENT MUST BE USED IN DETERMINING THE AMPACITIES OF CONDUCTORS BASED ON TABLE 310.16 REGARDLESS OF THE INSTALLATION RATING OF THE CONDUCTORS PER ARTICLE 110.14 (C) 1 AND 2 OF THE 2020 NEC.

12. FLASH PROTECTION WARNING LABELS REQUIRED ON SWITCHBOARDS, PANEL BOARDS, AND MOTOR CONTROL CENTERS PER ARTICLE 110.16 OF THE 2020 NEC.

13. SPACES ABOUT ELECTRICAL EQUIPMENT MUST MEET 110.26 (A THROUGH F) ARTICLE 2020 NEC.

14. RACEWAYS AND CABLES INSTALLED ABOVE SUSPENDED CEILING REQUIRED TO HAVE INDEPENDENT SUPPORT WIRES CEILINGS GRID WIRES CANNOT BE USED TO SUPPORT RACEWAY AND CABLES UNLESS CEILING GRID IS RATED FOR SUPPORT PER ARTICLE 300.11 OF THE 2020 NEC.

15. TYPE NM, NMC, AND NMS CABLES CANNOT BE USED ABOVE SUSPENDED CEILINGS PER ARTICLE 334.12 IF THE 2020 NEC.

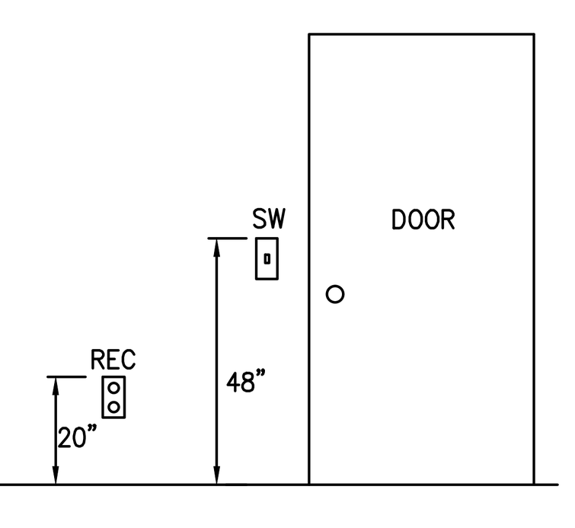
16. FLEXIBLE CORDS CANNOT BE USED AS A SUBSTITUED FOR FIXED WIRE OR CONCEALED ABOVE SUSPENDED CEILING PER ARTICLE 400.8 (1) AND (5) PER 2020 NEC.

17. INDIVIDUAL UNIT EQUIPMENT USED FOR EXIT SIGNS AND EMERGENCY LIGHTS THAT USES A RECHARGEABLE BATTERY MUST BE SUPPLIED BY THE CIRCUIT THAT SUPPLIES THE NORMAL LIGHTING FOR THAT AREA PER ARTICLE 700.12 (F) AND 700.17 OF THE 2020 NEC.

18. LAY IN FIXTURES INSTALLED IN SUSPENDED CEILINGS SHALL BE FASTENED TO GRID BY SCREWS OR LISTED CLIPS PER ARTICLE 410.36 OF THE 2020 NEC.

POWER LEGEND

Symbol	Description
	20A, 125V, 2P, NEMA 5-20R DUPLEX RECEPTACLE
	POWER OUTLET, 208V, SIZED AS NOTED.
	QUADRAPLEX OUTLET,(2 DUPLEX OUTLETS IN 2 GANG BOX WITH 2 GANG COVER PLATE
	15A, 125V, 2P, NEMA 5-15R SIMPLEX RECEPTACLE
	20A, 125V, 2P, 3W, NEMA 5-20R DUPLEX RECEPTACLE MOUNT 6" ABOVE COUNTER TO BOTTOM OF OUTLET BOX.
	FED-SPEC GRADE USB CHARGER WITH TAMPER-RESISTANT DUPLEX RECEPTACLE WIREMOLD #TR5262USB-IVORY OR APPROVED EQUAL.
G	ADJACENT TO RECEPTACLE DENOTES GROUND FAULT INTERUPTER OUTLET, (FEED THRU TYPE).
WP	ADJACENT TO RECEPTACLE INDICATES WEATHERPROOF IN-USE TYPE COVER.
WR	ADJACENT TO RECEPTACLE INDICATES WEATHER RESISTANT TYPE RECEPTACLE.
	TYPICAL DATA/COMM OUTLET DOUBLE GANG OUTLET BOX WITH SINGLE GANG MUD RING. ROUTE 1 INCH CONDUIT TO ABOVE CEILING SPACE. PROVIDE PULL STRING. COMMUNICATIONS CONTRACTOR TO PROVIDE FACE PLATE, WIRING, AND FINAL CONNECTIONS.
J	JUNCTION BOX
	LIGHTING OR RECEPTACLE PANEL BOARD.
30A/3P	DISCONNECT SWITCH.
30A/F/3P/3R	FUSED DISCONNECT SWITCH.
FWE	DISCONNECT FURNISHED WITH EQUIPMENT
SM	MOTOR RATED SWITCH, CONTINUOUS CURRENT RATED, QUANITY OF POLES AS REQUIRED
EF	EXHAUST FAN.
M 2HP	SEE MECHANICAL DWGS. FOR FAN SPECIFICATIONS. MOTOR, HORSEPOWER AS SHOWN.
B-25	"HOME-RUN" TO PANEL BOARD.



TYPICAL DEVICE MOUNTING HEIGHT

SCALE: NONE

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP	MANUFACTURER PART #	KELVIN	VOLTAGE	WATTAGE	MOUNTING	COMMENTS
A	2'X4' LED FLAT PANEL	LED	SYLVANIA LIGHTING CATALOG #F3BS045UNVD8SC724GWH	3500	120/277	45	RECESSED MOUNTED	
EM	EMERGENCY DUAL-HEAD FIXTURE WITH BATTERY BACK UP	LED	LIGHTALARMS LIGHTING CATALOG #LCA-2LED		120/277	3	SURFACE MOUNT PER MANUFACTURER	
EX1	THERMOPLASTIC LED EXIT SIGN WITH HEADS AND BATTERY BACKUP	LED	LIGHTALARMS LIGHTING CATALOG #UQLXN500RN		120/277	3	SURFACE MOUNT PER MANUFACTURER	

NOTES:

1. COORDINATE LED COLOR TEMPERATURE WITH ARCHITECT/OWNER PRIOR TO PURCHASING AND INSTALLING.
2. COORDINATE FINISHES WITH ARCHITECT/OWNER PRIOR TO PURCHASING AND INSTALLING.
3. COORDINATE MOUNTING HEIGHT WITH ARCHITECT/OWNER PRIOR TO PURCHASING AND INSTALLING.
4. LIGHTING FIXTURES MANUFACTURER SHALL BE PROVIDED AS SPECIFIED, UNLESS PRE-APPROVED DURING BIDDING BY THE ARCHITECT/ENGINEER.
5. BATTERY PACKS FOR ALL EXIT AND EMERGENCY LIGHT FIXTURES SHALL BE CAPABLE OF PROVIDING EMERGENCY POWER TO THE FIXTURES FOR A MINIMUM OF 90 MINUTES.

ELECTRICAL SPECIFICATIONS

General Provisions

1. All Electrical work shall be executed in accordance with the 2020 version of the National Electrical Code and all other local codes, laws, and ordinances. Where one code differs from another, the stricter of the two shall apply.
2. It is the duty of the Electrical contractor to be familiar with the construction details of the building. The contractor shall coordinate the installation of the electrical system with all other trades and shall complete the electrical installation as soon as conditions will allow.
3. Payment of all fees, permits, and licenses required to complete the electrical installation shall be the responsibility of the electrical contractor.
4. All work shall be done in a neat, quality manner with all wiring and raceways concealed.
5. All electrical work shall be warranted by the electrical contractor for one (1) year from the date of acceptance by the owner or his designated representative.
6. All electrical drawings are generally diagrammatic in nature. The electrical contractor shall closely coordinate all electrical work will all other trades working on the premises.
7. Electrical contractor shall submit five (5) sets of catalog cuts, brochures, or other technical data for all equipment furnished under this contract to the architect for his review.
8. All requests for prior approval shall be submitted to the engineer no later than ten (10) days prior to the bid date unless noted as "approved equal" in a written addendum. All manufactures shall be specified herein or as shown on the contract documents.
9. See general notes, schedules, and legends on the electrical drawing set for any additional requirements to the contract.
10. Electrical contractor is to contact the architect after installation of all switch, receptacle, telephone, television, and lighting boxes for an on-site review before any wiring is installed or wall surfaces are complete. The architect may, at this point, make adjustments to the box locations as desired.
11. All electrical panelboards and lighting equipment shall be restrained per seismic requirements of the appropriate building code in effect.

Electrical Raceways

1. All cutting and patching required for and resulting from the electrical installation work shall be patched and repaired to restore the original surface finish. This repair work is the responsibility of the electrical contractor.
2. Contractor shall install sleeves for conduits that pass through grade beams, foundations, walls, and slabs before concrete is poured. Contractor shall do all necessary cutting and sealing afterwards in an approved manner.
3. All penetrations through fire-rated walls shall be patched with a UL approved fire sealant equal to at least the rating of the wall.
4. Wiring system is to be concealed above the suspended ceiling or in walls where possible. Conduit is to be installed parallel to building lines and clear of all openings, depressions, pipes, ducts, structure, etc.
5. Conduit is to be installed between cabinets and boxes with no more than four (4) 90 degree bends. Conduit is to be securely fastened in place with straps, hangers and steel supports as required. Conduit is not to be fastened or supported from the ceiling grid or supporting wires. Conduit ends shall be reamed and conduit shall be thoroughly cleaned before installation. Openings in conduit shall be plugged or properly covered.
6. Terminals on switches and outlets shall not be used to "feed through" to the next switch or outlet. The removal of a receptacle or fixture or any other device fed from a box shall not interfere with conductor continuity.
7. Conduit shall be furnished as shown on the electrical drawings. Approved types are heavy wall rigid steel hot dipped galvanized or EMT with compression type fittings and connections. All runs shall be continuous with all joints and connections pulled tight. Conduit shall be required in and under all slabs and in masonry walls. PVC conduit may be used underground or under slabs. Minimum conduit size shall be 3/4".
8. Contractor shall install a nylon pull wire in each empty conduit.
9. Contractor to include an equipment grounding conductor in each conduit. Conductor size to be determined by National Electrical Code requirements.

Conductors

1. Conductors shall be soft-annealed 98% copper. All conductors larger than #8 AWG shall be stranded. Minimum size conductor shall be #12 AWG unless otherwise specified. No aluminum conductors will be permitted. Type THHN shall not be used underground, outside, at service entrances or in wet locations. All insulation shall be rated at 600 volts.

The following insulation types are permitted:

#10 AWG and smaller THW,THWN,THW
#8 AWG to #4/0 AWG THW, THHN
Over 4/0 AWG THW
Service Entrance USE, RHW
Wire through fluorescent fixture or within 3' of heating equipment THHN

Conductors shall be color coded as follows:

	208/120 Volt Y	480/277 Volt Y
Phase A	Black	Brown
Phase B	Red	Orange
Phase C	Blue	Yellow
Neutral	White	White/Grey
Ground	Green	Green

Distribution

1. Electrical power service voltage shall be as noted on the drawings. Size of the electrical service conductors shall be as shown on the riser diagram. All service connections and grounding detail shall be per the National Electrical Code article 250 and shall be inspected before covering.
2. Contractor shall comply with the 2020 National Electrical Code and all laws that apply to electrical installations.
3. All material used on the project shall be new and conform to Underwriters Laboratories (UL) standards.
4. Contractor to verify voltage drops and A.I.C. ratings for all equipment connected and verify the size of all electrical system breakers, conduit, wire size, etc.

Grounding

1. All metallic conduit, supports, cabinets, panelboards, and other electrical system components shall be permanently grounded per the National Electrical Code. All grounding devices and clamps shall be of the type approved specifically for grounding use. All circuits shall include a grounding conductor sized per National Electrical Code requirements.

Panelboards

1. Receptacle and lighting panels shall be safety dead-front type. Bussing and breakers shall be as shown on panelboard drawing. Panels shall be supplied with copper plated bus. Cabinets shall be NEMA type 1. Contractor to supply nameplates and type-written panel schedules. Panel shall be manufactured by Square D General Electric, Cutler Hammer or approved equal.
2. All circuit breakers must show positive indication of tripped breaker.
3. Switches shall be heavy-duty type fusible or non-fusible as specified on drawing. Operating mechanism shall be designed to provide quick-make and quick-break operation. Construction shall consist of silver-plated operating parts with safety interlock on door to prevent entry when in "on" position. Indoor enclosures shall be NEMA type 1. Outdoor enclosures shall be type NEMA 3R. Fuse clips shall be for type RK-1 fuses. Disconnect switches shall be manufactured by Square D, General Electric, Cutler Hammer or approved equal.
4. All electrical equipment, panels, switches, etc., shall be tagged with white plastic nameplates with 1/4"H black letters. Nameplate shall show equipment designation and operating voltage.

Lighting Equipment

1. Lighting fixtures shall be of the type shown in the lighting fixture schedule.
2. Exit lamps shall be provided at all exterior doors. All emergency and exit lights shall have self-contained battery back-up systems, or be of the type for use with emergency generator system if specified.

Devices and Boxes

1. All outlet, lighting, and switch boxes shall be pressed steel where used in overhead and concealed areas. Receptacles and switches in exposed areas shall be installed in ferrous alloy or cast aluminum boxes with appropriate sheet steel covers.
2. Local switches shall be quiet toggle type, Hubbell #1221 or approved equal (single pole) or Hubbell #1223 or approved equal (3-way) and shall be rated for 120/277 Volts. Duplex receptacles shall be Hubbell #5352 or approved equal, three wire grounding type with ground installed.
3. All wall switches shall be 20 Ampere, silent type with cover plate.
4. Duplex receptacles shall be 20 Ampere with cover plate.
5. Unless otherwise indicated , all lighting switches shall be flush mounted 44" above finished floor or 7" above finished countertop.
6. All receptacles shall be flush mounted 18" above finished floor or 7" above finished countertop unless otherwise indicated. Receptacles above countertops shall be mounted horizontally unless otherwise noted. Notify architect for configuration of location after boxes are set, but before wire is pulled or walls are constructed. Contractor shall certify that all receptacles are tested for proper polarity prior to final inspection.
7. All telephone outlets shall be flush mounted 18" above finished floor unless otherwise indicated.
8. Toilet exhaust fans shall be supplied and installed by the mechanical contractor. Wiring shall be done by the Electrical contractor.
9. All low voltage wiring for HVAC controls shall be done by the mechanical contractor. All line voltage HVAC wiring shall be done by the electrical contractor. Electrical contractor shall review HVAC specifications and plans and coordinate with HVAC contractor to provide all requirements.
10. All switch and receptacle cover plates to be brushed stainless steel unless otherwise specified by architect. Consult with architect before purchasing cover plates.

Data Communications Systems

1. Electrical contractor shall provide and install all raceway and backboxes as noted on drawings. All head end equipment, wiring, faceplates, and final connections for low voltage systems (data, voice, audio visual) shall be by others under seperate contract with owner.

COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: SCC Gaines Building
Project Type: New Construction

Construction Site:
131 Community College Drive
Spartanburg, SC 29303

Owner/Agent:
Coby Goff
GMC
117 Welborn Street
Greenville, SC 29601

Designer/Contractor:
Hugh P. Bunn
Matrix Engineering
912 South Pine Street
Spartanburg, SC 29302

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Office	867	1	867
		Total Allowed Watts =	867

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Office (867 sq.ft.)				
LED 1: A: 2'X4' FLAT PANEL: Other:	1	14	42	588
			Total Proposed Watts =	588

Section 4: Requirements Checklist

Interior Lighting PASSES: Design 32% better than code.

Lighting Wattage:

☑ 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
867	588	YES

Controls, Switching, and Wiring:

☐ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
☐ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:
☐ Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
☐ Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.

☐ 4. Independent controls for each space (switch/occupancy sensor).

Exceptions:
☐ Areas designated as security or emergency areas that must be continuously illuminated.
☐ Lighting in stairways or corridors that are elements of the means of egress.

Project Title: SCC Gaines Building
Data filename: Untitled.cck
Report date: 06/10/25
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☐ 5. Master switch at entry to hotel/motel guest room.
☐ 6. Individual dwelling units separately metered.
☐ 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
☐ 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

Exceptions:
☐ Only one luminaire in space.
☐ An occupant-sensing device controls the area.
☐ The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
☐ Areas that use less than 0.6 Watts/sq.ft.

☐ 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

Exceptions:
☐ Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.

☐ 10. Photocell/astronomical time switch on exterior lights.

Exceptions:
☐ Lighting intended for 24 hour use.

☐ 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:
☐ Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2009 IECC requirements in COM*check* Version 4.1.5.5 and to comply with the mandatory requirements in the Requirements Checklist.

Hugh P. Bunn, PE — Name - Title
Signature
6/10/2025 — Date

Project Title: SCC Gaines Building
Data filename: Untitled.cck
Report date: 06/10/25
Page 2 of 2

MATRIX ENGINEERING, INC.
912 South Pine Street
Spartanburg, South Carolina 29302
(864)583-6274
matrixel.com

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GMCNETWORK.COM

ISSUE	DATE
BID DOCUMENTS	06/23/25

DRAWN BY: LB
CHECKED BY: HPB

SCC GAINES BUILDING OFFICE RENOVATION
131 COMMUNITY COLLEGE DRIVE, SPARTANBURG, SC 29303

GMC # ACST250006

SOUTH CAROLINA MATRIX ENGINEERING INC. No. C01034 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 9801 HUGH P. BUNN II
06-23-2025

GENERAL NOTES, LEGENDS, FIXTURE SCHEDULE, COMCHECK & ELECTRICAL SPECS

E001

EXISTING PANEL RP3

208/120 VOLT, 100 AMP MAIN LUGS ONLY, 3 PHASE, 4 WIRE
SQUARE D TYPE QO LOAD CENTER

100A M. L. O.

CONN LOAD	CIRCUIT USE	S N	S N	CIRCUIT USE	CONN LOAD	PHASE A	PHASE B	PHASE C
180	EXISTING REC-BELOW PANEL	1	2	EXISTING COMPUTER RACK, ROW 1 IN G12	500	680		
500	CUBICLE	3	4	EXISTING ROW 2 IN G12	500		1000	
500	CUBICLE	5	6	EXISTING REC-BIG COPIER	500			1000
500	CUBICLE	7	8	EXISTING SPARE 50A BREAKER		1000		
500	EXISTING REC-PAPER DRILL	9	10	↓			1000	
1800	AIR DIFFUSERS	11	12	EXISTING G13, FIRE DR	500			2300
540	REC-OPEN OFFICE	13	14	EXISTING CAMERAS, TV, TV TRACK IN G13	1000	1540		
500	EXISTING G13 INST. DESK	15	16	REC-HALLWAY R8	540		1040	
500	EXISTING G13	17	18	EXISTING TV, CAM, DESK, REC-G12	1000			1500
720	REC-CONFERENCE R3	19	20	ROW 3 IN G12	500	1220		
900	REC-OFFICE R4	21	22	REC-OFFICE R6	1260		2160	
900	REC-OFFICE R5	23	24	REC-OFFICE R7	900			1800

PHASE A	4440		
PHASE B		5200	
PHASE C			6600
TOTAL VA	16240		
CONNECTED AMPERAGE	45 AMPERES		

NOTES:

1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.
2. PROVIDE UPDATED TYPED PANEL SCHEDULE.
3. LIGHTER COLOR DENOTES EXISTING CIRCUIT DESIGNATION.
4. DARKER COLOR DENOTES NEW CIRCUIT DESIGNATION.

* DENOTES ELECTRICAL CONTRACTOR TO PURCHASE AND INSTALL NEW CIRCUIT BREAKER. AIC TO MATCH EXISTING.

EXISTING PANEL R1

208/120 VOLT, 150 AMP MAIN CIRCUIT BREAKER, 3 PHASE, 4 WIRE
SQUARE D TYPE NQOD

150A M. C. B.

CONN LOAD	CIRCUIT USE	S N	S N	CIRCUIT USE	CONN LOAD	PHASE A	PHASE B	PHASE C
	SPARE 20A BREAKER	1	2	EXISTING G14, G14A, B, G06, G06B	500	500		
	SPARE 20A BREAKER	3	4	EXISTING G06, G06B, G14B	500		500	
	SPARE 20A BREAKER	5	6	EXISTING G14, G14A, G14C, G03H	500			500
	SPARE 20A BREAKER	7	8	EXISTING G05 LOBBY, G06M G03H, G, D	500	500		
500	EXISTING REC-CANT. PH	9	10	EXISTING G03H, G, F	500		1000	
500	EXISTING G13A PLUGMOLD	11	12	EXISTING G05, G03H, G F	500			1000
	SPARE 20A BREAKER	13	14	EXISTING G05, G03F, E, C	500	500		
	EXISTING SPARE 20A BREAKER	15	16	EXISTING G03E, D, C	500		500	
500	EXISTING G03 HALL	17	18	EXISTING G05, G03D, C	500			1000
	EXISTING SPARE 20A BREAKER	19	20	EXISTING LOBBY, G03, I, A, B FIRE DOOR, DIS.	500	500		
	EXISTING SPARE 20A BREAKER	21	22	EXISTING G05, G03 CLOSET, HC DOOR OPENER, LOBBY, G03L, K	500		500	
500	EXISTING G13A	23	24	EXISTING G03A, B, DISPLAY CAB	500			1000
500	EXISTING G12A	25	26	EXISTING CONTROLS G07	500	1000		
4440	EXISTING PANEL RP3	27	28	EXISTING EMERGENCY PANEL	1000		5440	
5200		29	30	EXISTING REC-PENTHOUSE	500			5700
6600	↓	31	32	EXISTING VENDING MACHINE	1000	7600		
360	EXISTING REC-G12A	33	34	EXISTING VENDING MACHINE	1000		1360	
500	EXISTING REC-G02, G01 STEPS	35	36	EXISTING SPARE 30A BREAKER				500
500	EXISTING REC-G01, G02	37	38	EXISTING SPARE 30A BREAKER		500		
500	EXISTING REC-G02, G01 HC. OP	39	40	EXISTING G13A	360		860	
500	EXISTING REC-G12A HALL, G07	41	42	↓	360			860

PHASE A	11100		
PHASE B		10160	
PHASE C			10560
TOTAL VA	31820		
CONNECTED AMPERAGE	88 AMPERES		

NOTES:

1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.
2. PROVIDE UPDATED TYPED PANEL SCHEDULE.
3. LIGHTER COLOR DENOTES EXISTING CIRCUIT DESIGNATION.
4. DARKER COLOR DENOTES NEW CIRCUIT DESIGNATION.

EXISTING PANEL LP1

480/277 VOLT, 100 AMP MAIN LUGS ONLY, 3 PHASE, 4 WIRE
SQUARE D TYPE NEHB

100A M. L. O.

CONN LOAD	CIRCUIT USE	S N	S N	CIRCUIT USE	CONN LOAD	PHASE A	PHASE B	PHASE C
607	EXISTING LTG-G15, G15A	1	2	EXISTING LTG-G14, G14A, B, C, G06B	1000	1607		
1012	EXISTING LTG-G15, G15B, C, D	3	4	EXISTING LTG-G06	1000		2012	
1000	EXISTING LTG-G13, G13A, G13 HALL	5	6	EXISTING LTG-G7, 9, 11, 12, 12A	1000			2000
1000	EXISTING LTG-G03I	7	8	EXISTING LTG-G06A, G03G	1000	2000		
1000	EXISTING LTG-G03J	9	10	EXISTING LTG-G03C, D, E, F	1000		2000	
1000	EXISTING LTG-G0EJ	11	12	EXISTING LTG-G03A, B, L	1000			2000
1000	EXISTING LTG-G03K	13	14	EXISTING LTG-LOBBY	1000	2000		
1000	EXISTING LTG-G03H, I, J ,K	15	16	EXISTING LTG-LOBBY	1000		2000	
1000	EXISTING LTG-G01 & G02	17	18	EXISTING LTG-LOBBY	1000			2000
1000	EXISTING LTG-PENTHOUSE	19	20	EXISTING LTG-OUTSIDE ENT.	1000	2000		
500	EXISTING LTG-EXIT LIGHTS	21	22	EXISTING LTG-OUTSIDE ENT.	1000		1500	
1000	EXISTING LTG-G04 & G05	23	24	EXISTING LTG-LOBBY	1000			2000
	EXISTING SPARE 20A BREAKER	25	26	EXISTING SPARE 20A BREAKER				
	EXISTING SPARE 20A BREAKER	27	28	EXISTING SPARE 20A BREAKER				
	EXISTING SPARE 20A BREAKER	29	30	EXISTING LTG-NL & EXIT	500			500
	EXISTING PREPARED SPACE	31	32	EXISTING SPARE 20A BREAKER				
	EXISTING PREPARED SPACE	33	34	EXISTING SPARE 60A BREAKER				
	EXISTING PREPARED SPACE	35	36	EXISTING SPARE 20A BREAKER				
	EXISTING PREPARED SPACE	37	38	EXISTING PREPARED SPACE				
	EXISTING PREPARED SPACE	39	40	EXISTING PREPARED SPACE				
	EXISTING PREPARED SPACE	41	42	EXISTING PREPARED SPACE				

NOTES:

1. ALL CIRCUIT BREAKERS 20 AMPERE, SINGLE POLE, UNLESS NOTED OTHERWISE.
2. PROVIDE TYPED PANEL SCHEDULE

PHASE A	7607		
PHASE B		7512	
PHASE C			8500
TOTAL VA	23619		
CONNECTED AMPERAGE	28 AMPERES		

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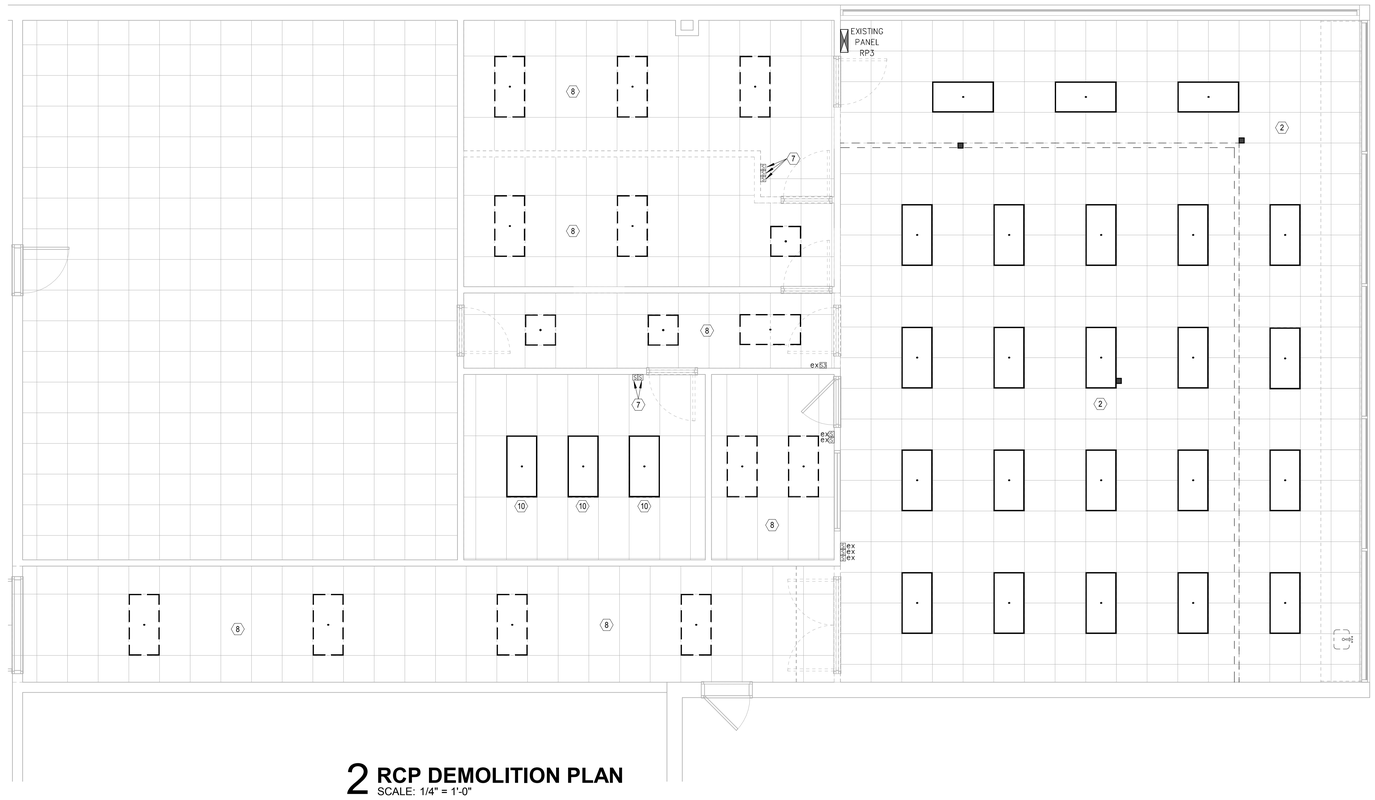
SOUTH CAROLINA — MATRIX ENGINEERING INC. — No. C01034 — CERTIFICATE OF AUTHORIZATION

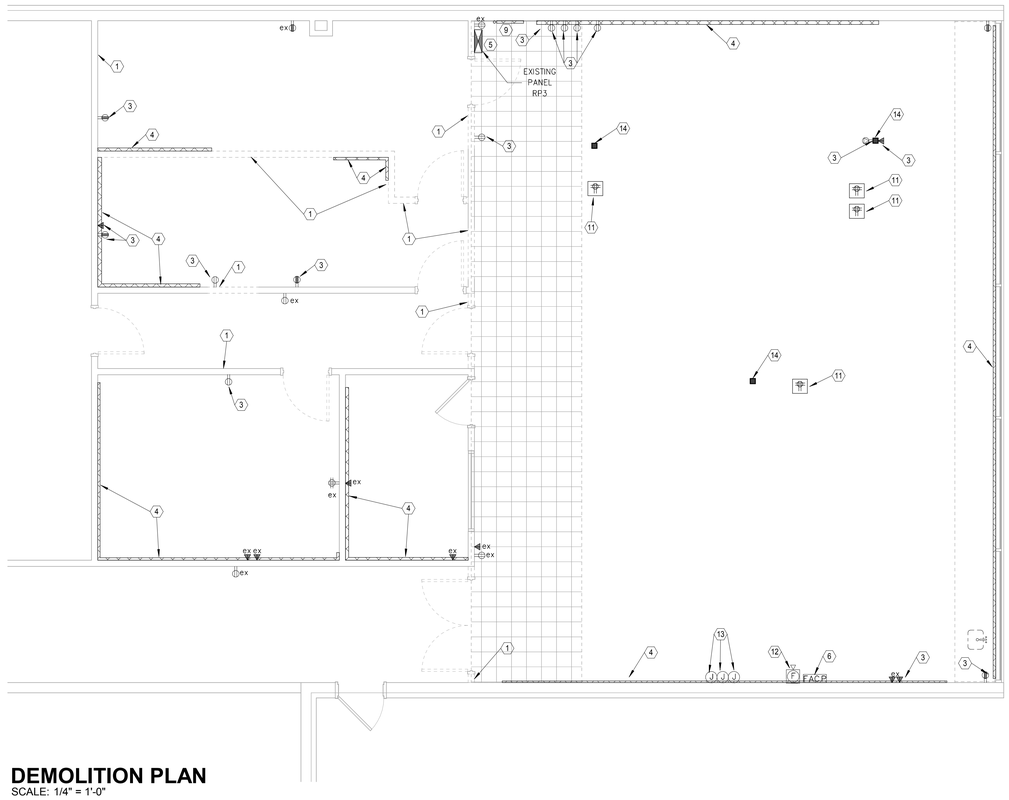
SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 9801 — HARRY P. BROWN III
06-23-2025

PANEL SCHEDULES

E002



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



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

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR TO COORDINATE ALL DEMOLITION WITH GENERAL CONTRACTOR.

2. ELECTRICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR TO DE-ENERGIZE AND "MAKE SAFE" ALL ELECTRICAL IN AREA TO BE RENOVATED AND/OR DEMOLISHED BEFORE WORK BEGINS.

3. THE CONTRACTOR SHALL SURVEY THE ELECTRICAL SYSTEMS IN THE AREA TO BE DEMOLISHED PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL ACCOMPLISH THE ELECTRICAL DEMOLITION IN A MANNER THAT SHALL NOT AFFECT THE OPERATION OF THE ELECTRICAL SYSTEMS IN OTHER AREAS OF THE BUILDING THAT ARE OUTSIDE THE LIMITS OF CONSTRUCTION FOR THIS PROJECT.

4. IN LOCATIONS WHERE WALLS ARE BEING DEMOLISHED THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL DEVICES INCLUDING BACKBOXES, CONDUIT AND CONDUCTORS BACK TO THE SOURCE PANEL. WHERE CIRCUITS ARE SHARED WITH OTHER DEVICES THAT ARE INTENDED TO REMAIN, THE CONTRACTOR SHALL MAKE PROVISION TO KEEP THE OTHER DEVICES OPERATIONAL AT THE END OF CONSTRUCTION.

5. WHERE POWER AND LIGHTING CIRCUITS ONLY SERVE THE AREA BEING DEMOLISHED, THE CONTRACTOR SHALL REMOVE THE DEVICE AND ANY ASSOCIATED BOXES, CONDUIT AND CONDUCTORS BACK TO THE SOURCE CONTRACTOR HALL PLACE THE BREAKER IN THE OFF POSITION AND REVISE THE PANEL DIRECTORY CARD TO REFLECT THE BREAKER IS A SPARE.

6. WHERE LIFE SAFETY TYPE SYSTEMS, FIRE ALARM ETC. ARE AFFECTED BY THE ELECTRICAL DEMOLITION THE CONTRACTOR SHALL ENSURE THAT EACH SYSTEM REMAINS FUNCTIONAL IN AREAS OUTSIDE THE LIMITS OF CONSTRUCTION. AT THE END OF THE RENOVATION ALL LIFE SAFETY TYPE SYSTEMS SHALL BE CERTIFIED TO BE IN CORRECT CODE COMPLIANT OPERATING CONDITION.

7. DASHED LINES DENOTES EXISTING WALLS TO BE DEMOLISHED.

8. LIGHTER COLORED RECEPTACLES WITH "ex" ADJACENT DENOTES EXISTING RECEPTACLES TO REMAIN.

9. ELECTRICAL CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL COMPONENTS NO LONGER IN USE. (WIRE, CONDUIT, HANGARS, ETCETERA)

10. PRIOR TO THE START OF DEMOLITION THE CONTRACTOR SHALL SURVEY THE EXTENTS OF THE AREA IN THIS PROJECT AND VERIFY ALL FIXTURES AND DEVICES THAT WILL BE REMOVED AS PART OF THE DEMOLITION.

11. ELECTRICAL CONTRACTOR TO REMOVE ALL WIRE AND CONDUIT NO LONGER IN USE.

12. CONTINUITY OF ANY CIRCUIT INTERRUPTED BY DEMOLITION MUST BE REPAIRED SO THAT CONTINUITY IS MAINTAINED.

13. ELECTRICAL CONTRACTOR IS TO FIELD VERIFY EXISTING CONDUITS AND 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. SALVAGEABLE ITEMS TO BE TURNED OVER TO OWNER.

14. DO NOT ABANDON BRANCH CIRCUIT WIRING ABOVE CEILINGS OR IN WIREWAYS.

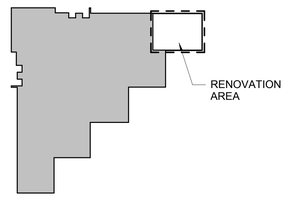
15. BIDDER/CONTRACTOR SHALL VISIT THE SITE, EXAMINE AND VERIFY CONDITIONS UNDER WHICH THE WORK SHALL BE CONSTRUCTED AND ACCOUNT FOR FIELD CONDITIONS AND DIMENSIONAL CONSIDERATIONS IN ALL BIDS SUBMITTED.

16. "ex" ADJACENT TO DEVICE DENOTES EXISTING DEVICE TO REMAIN.

KEYED NOTES:

1. DENOTES WALL TO BE DEMOLISHED. ELECTRICAL CONTRACTOR TO REMOVE ALL DEVICE BOXES, WIRE, CONDUIT, AND FACE PLATES LOCATED IN WALL TO BE DEMOLISHED. REMOVE WIRE AND CONDUIT BACK TO EXISTING SOURCE PANEL.
2. DENOTES ROOM WHERE EXISTING LIGHTING IS TO REMAIN.
3. DENOTES EXISTING RECEPTACLE/ DATA DEVICE TO BE REMOVED. REMOVE ALL WIRING AND CONDUIT BACK TO PANEL WHERE CIRCUIT ORIGINATES.
4. ELECTRICAL CONTRACTOR TO REMOVE EXISTING PLUGMOLD.
5. DENOTES EXISTING ELECTRICAL PANEL/EQUIPMENT TO REMAIN.
6. DENOTES EXISTING FIRE ALARM RELAYS AND FIRE ALARM CONTROL PANEL TO BE RELOCATED BY FIRE ALARM CONTRACTOR.
7. DENOTES ELECTRICAL CONTRACTOR TO RELOCATE EXISTING SWITCH. SEE LIGHTING PLAN ON SHEET E300 FOR NEW LOCATION.
8. DENOTES AREA WHERE ELECTRICAL CONTRACTOR TO REMOVE EXISTING LIGHT FIXTURES AND REPLACE WITH NEW. PREPARE EXISTING FEEDERS FOR CONNECTION OF NEW FIXTURES.
9. DENOTES EXISTING TELEPHONE BOARD TO REMAIN.
10. DENOTES EXISTING LIGHT FIXTURES TO BE RELOCATED. SEE LIGHTING PLAN ON SHEET E300 FOR NEW LOCATION.
11. DENOTES FLOOR MOUNTED RECEPTACLE TO BE REMOVED. ELECTRICAL CONTRACTOR TO REMOVE RECEPTACLE AND WIRING. CAP CONDUIT LEVEL WITH FLOOR.
12. DENOTES EXISTING FIRE ALARM DEVICE TO REMAIN.
13. DENOTES EXISTING JUNCTION BOX TO BE RELOCATED TO ABOVE CEILING.
14. DENOTES EXISTING POWER POLE TO BE REMOVED. REMOVE ALL WIRING AND CONDUIT BACK TO NEAREST JUNCTION BOX ABOVE CEILING.

KEY PLAN LEGEND



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SPARTANBURG, SC 29303

GMC # ACST250006

DEMOLITION PLAN & RCP
DEMOLITION PLAN

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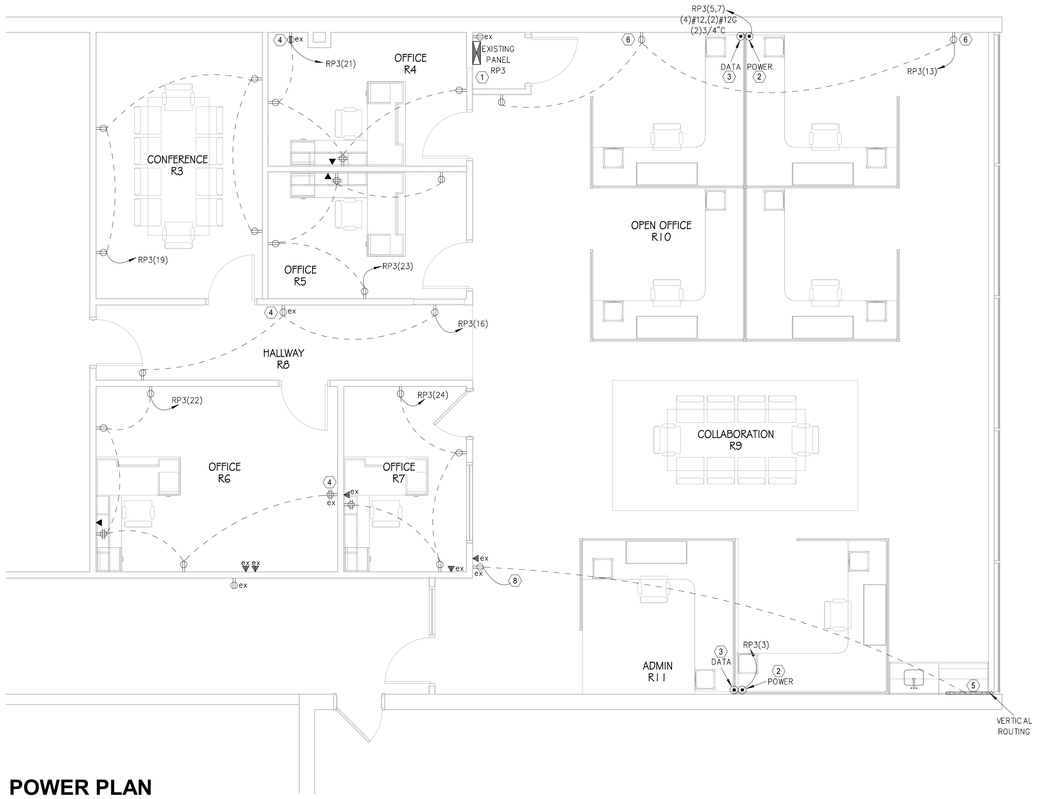
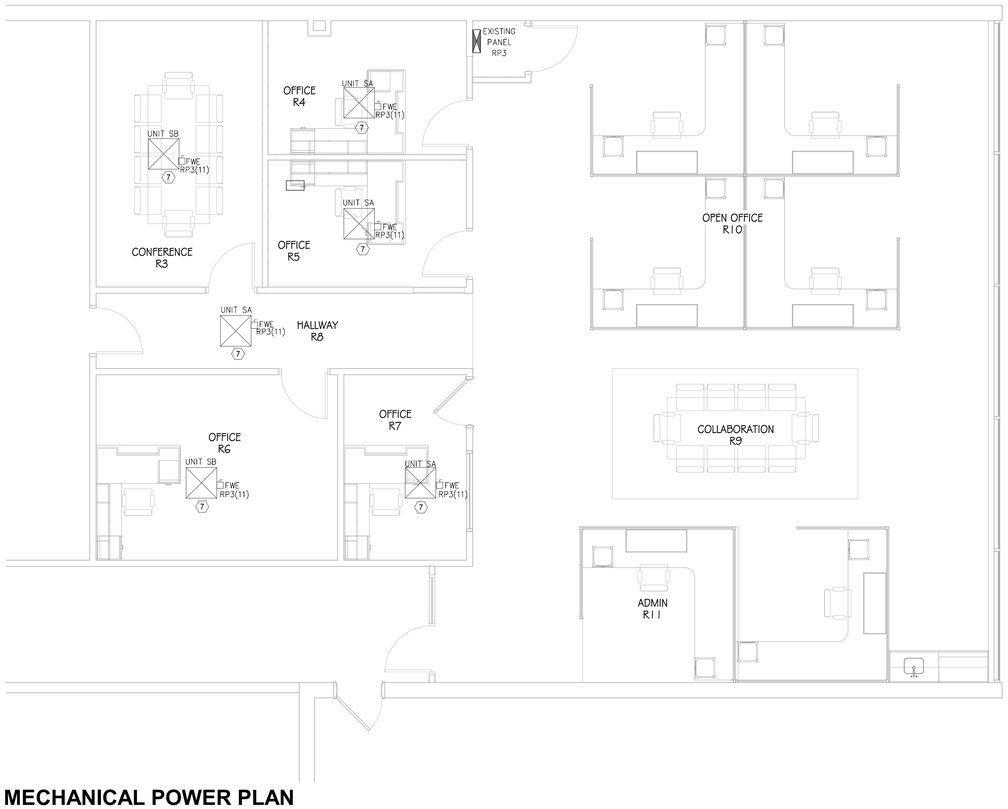


1 POWER PLAN
SCALE: 1/4" = 1'-0"



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

GENERAL NOTES:

1. COORDINATE ALL ELECTRICAL WORK WITH GENERAL CONTRACTOR, AND OTHER TRADES ON THE SITE BEFORE INSTALLATION.

2. PROVIDE UL LISTED FIRE STOP ASSEMBLY FOR ALL DEVICES INSTALLED IN FIRE WALLS.

3. ALL GFCI RECEPTACLES SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION TO FACILITATE RESETTING IF NEEDED.

4. DO NOT SHARE NEUTRALS.

5. COORDINATE ALL MODULAR POWERED FURNITURE CONNECTIONS WITH FURNITURE INSTALLER.

6. COORDINATE ALL DATA CONDUIT SIZING AND ROUTING REQUIREMENTS FOR POWERED FURNITURE WITH THE IT DEPARTMENT/CONTRACTOR. ALL CONDUITS TO BE ROUTED TO ACCESSIBLE LOCATION IN ABOVE CEILING SPACE FOR CONNECTIVITY TO ALL REQUIRED COMPONENTS.

7. "ex" ADJACENT TO RECEPTACLE DENOTES EXISTING DEVICE BOX ONLY. ELECTRICAL CONTRACTOR TO INSTALL NEW RECEPTACLE AND FACE PLATE.

8. COORDINATE WITH ARCHITECT FOR RECEPTACLE COVER PLATE FINISH.

9. SURFACE MOUNTED RACEWAY SHALL BE INSTALLED IN A NEAT AND ORDERLY FASHION AND ROUTED PERPENDICULAR AND PARALLEL TO THE BUILDING LINES.

10. WHERE NEW DEVICES ARE TO BE INSTALLED ON EXISTING WALLS, METAL SURFACE MOUNTED RACEWAY AND DEVICE BOXES MAY BE USED. LITILIZE WIREMOLD SERIES 2000 OR EQUAL. ROUTE AS DISCRETELY AS POSSIBLE. COORDINATE ROUTING WITH ARCHITECT.

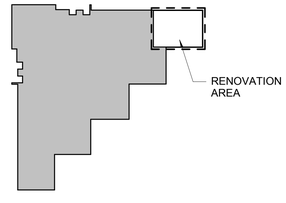
11. "FWE" ADJACENT TO DEVICE DENOTES DEVICE TO BE FURNISHED WITH EQUIPMENT.

12. ELECTRICAL CONTRACTOR'S SCOPE OF WORK CONCERNING DATA/COMM CONSIST OF PURCHASING & INSTALLATION OF RACEWAY COMPONENTS. ALL DATA/COMM EQUIPMENT, FACEPLATES & FINAL CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE SCC INFORMATION TECHNOLOGY GROUP.

KEYED NOTES:

1. DENOTES EXISTING ELECTRICAL PANEL/EQUIPMENT TO REMAIN.
2. DENOTES LOCATION OF 120V POWER DROP FOR CUBICLE WORK STATION. SURFACE MOUNT 1 GANG BOX WALL AND ROUTE 3/4" CONDUIT FROM ABOVE. CONNECT POWER IN-FEED WHIP PROVIDED WITH CUBICLES TO BOX. COORDINATE WITH CUBICLE PROVIDER.
3. DENOTES LOCATION OF DATA DROP FOR CUBICLE WORK STATION. SURFACE MOUNT 2-GANG JUNCTION BOX ON WALL AND ROUTE 1-1/4" CONDUIT FROM ABOVE. FROM JUNCTION BOX, FLEX INTO CUBICLE DATA ENTRY POINT. COORDINATE WITH CUBICLE PROVIDER AND DATA COMMUNICATION CONTRACTOR.
4. DENOTES EXISTING RECEPTACLE TO BE WIRED TO NEW CIRCUIT AS INDICATED.
5. ELECTRICAL CONTRACTOR TO INSTALL SINGLE GANG JUNCTION BOX MOUNTED ABOVE CEILING. ELECTRICAL CONTRACTOR TO PROVIDE SURFACE MOUNTED RACEWAY WIREMOLD SERIES 500 OR EQUAL FROM JUNCTION BOX TO 3' WIREMOLD SERIES FINISH-20GB306TRGF16 (OR EQUAL) TO BE MOUNTED ABOVE COUNTER. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT/GENERAL CONTRACTOR PRIOR TO INSTALLING. COORDINATE INSTALLATION OF WIRE MOLD WITH ARCHITECTURAL CASE WORK PRIOR TO INSTALLATION. ELECTRICAL CONTRACTOR TO PROVIDE ALL PARTS AND COMPONENTS TO MAKE A COMPLETE WORKING SYSTEM.
6. DENOTES NEW SURFACE MOUNTED DUPLEX RECEPTACLE TO BE PURCHASED AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO UTILIZE SURFACE MOUNTED RACEWAY LEGRAND WIREMOLD CATALOG #2400-FINISH (OR EQUAL). ELECTRICAL CONTRACTOR TO PROVIDE ALL PARTS AND COMPONENTS TO MAKE A COMPLETE WORKING SYSTEM.
7. DENOTES AIR DIFFUSER PROVIDED BY MECHANICAL CONTRACTOR WIRED BY ELECTRICAL CONTRACTOR. COORDINATE WITH MECHANICAL CONTRACTOR.
8. DENOTES NEW RECEPTACLES TO BE WIRED TO EXISTING RECEPTACLE CIRCUIT IN ROOM.

KEY PLAN LEGEND



MATRIX ENGINEERING, INC.
912 South Pine Street
Spartanburg, South Carolina 29302
(864)583-6274
www.matrixei.com
PROJECT NUMBER: 2025-139

GMC

Goodwyn Mills Cawood, LLC
117 Welborn Street
Greenville, SC 29601
T 864.527.0460
GMCNETWORK.COM

ISSUE	DATE
BID DOCUMENTS	06/23/25

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CHECKED BY: HPB

SCC GAINES BUILDING OFFICE RENOVATION
131 COMMUNITY COLLEGE DRIVE,
SPARTANBURG, SC 29303

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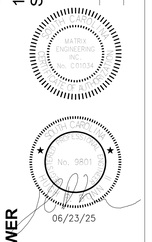

POWER PLAN & MECHANICAL POWER PLAN

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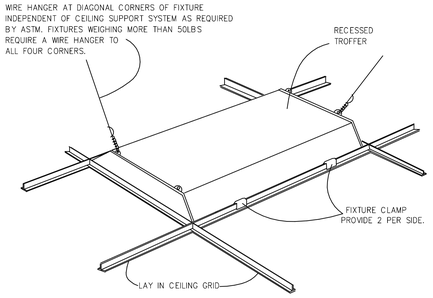
1 LIGHTING PLAN
SCALE: 1/4" = 1'-0"



TYPICAL RECESSED FIXTURE MOUNTING DETAIL

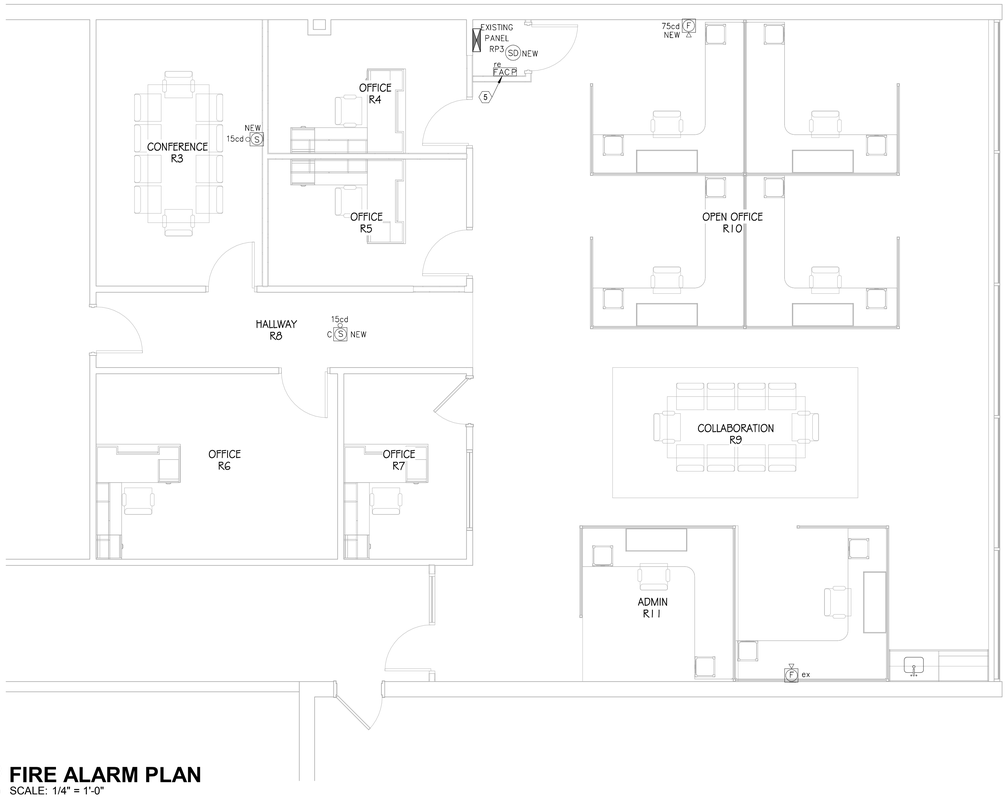
NO SCALE

LIGHTING CONTROL LEGEND

S	LOCAL TOGGLE SWITCH S.P.S.T, 20A, SPEC GRADE
S3	3-WAY LOCAL TOGGLE SWITCH S.P.S.T, 20A, SPEC GRADE

GENERAL NOTES:

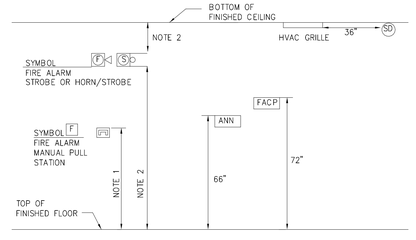
1. SEE LIGHT FIXTURE SCHEDULE FOR FIXTURE TYPES AND INFORMATION.
2. ALL LAY-IN LIGHT FIXTURES SHALL HAVE 12 GAGE WIRE HANGARS PLACED ON DIAGONAL CORNERS ATTACHED DIRECTLY TO THE BUILDING STRUCTURE. ANY LIGHT FIXTURE WEIGHING MORE THAN 50LBS. SHALL BE SUPPORTED BY ALL FOUR CORNERS.
3. ALL LIGHT FIXTURES SHALL MEET THE SEISMIC REQUIREMENTS OF ASCE 7.
4. LOWER-CASE LETTER ADJACENT TO FIXTURES DENOTES SWITCHING DESIGNATION.
5. LIGHT FIXTURES WITH THE SUFFIX "E" AND A DIAGONAL LINE DENOTE FIXTURES WITH EMERGENCY BATTERY BACK-UP BALLAST REQUITING UN SWITCHED "HOT" WIRE FOR BATTERY CHARGING.
6. ELECTRICAL CONTRACTOR TO WIRE ALL EXIT SIGNAGE UN-SWITCHED THE LOCAL LIGHTING CIRCUIT IN THE ROOM WHERE MOUNTED.
7. THIS PROJECT SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODE.
8. MOUNT SMOKE DETECTORS 5 FEET OF FACP AND NAC PANELS.
9. ALL FIRE ALARM SYSTEM WIRING SHALL BE EMT TYPE CONDUIT. CONDUIT SHALL BE PAINTED WITH A RED STRIPE AT 10 FOOT INTERVALS AND JUNCTION BOX COVERS SHALL BE PAINTED RED.
10. ALL STROBE LIGHTS TO BE SYNCHRONIZED.
11. STROBE OR SPEAKER STROBES SHALL NOT BE MOUNTED MORE THAN 15 FEET FROM THE END OF CORRIDORS.
12. NEW FIRE ALARM DEVICES TO BE UL RATED AND COMPATIBLE WITH EXISTING JOHNSON CONTROLS FIRE ALARM SYSTEM.
13. "ex" ADJACENT TO DEVICE DENOTES EXISTING DEVICE TO REMAIN.
14. "re" DENOTES EXISTING DEVICE TO BE RELOCATED TO LOCATION SHOWN.
15. PROVIDE UNSWITCHED "HOT" TO ALL EMERGENCY AND EXIT LIGHTS.



2 FIRE ALARM PLAN
SCALE: 1/4" = 1'-0"

FIRE ALARM LEGEND

SD	SMOKE DETECTOR
F	FIRE ALARM SYSTEM HORN/STROBE UNIT
S	FIRE ALARM SYSTEM STROBE UNIT
F	FIRE ALARM MANUAL PULL STATION
FACP	FIRE ALARM CONTROL PANEL
cd	ADJACENT TO DEVICE, DENOTES DEVICE CANDELA RATING
C	ADJACENT TO DEVICE, DENOTES DEVICE MOUNTED ON CEILING



TYPICAL MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES

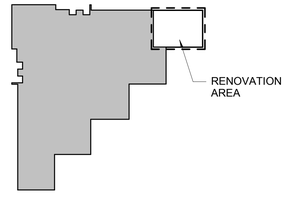
SCALE: NONE

MOUNTING NOTES:
1. MOUNT PULL STATION AT 4'-0"AFF TO TOP OF BOX.
2. MOUNT STROBE OR HORN/STROBE COMBINATION AT LEAST 80"AFF AND NOT MORE THAN 96"AFF. MOUNT DEVICE AT LEAST 6" DOWN FROM CEILING.
3. MOUNTING HEIGHTS OF ELECTRICAL DEVICES TO MEET NFPA 72 AND ADA CODE REQUIREMENTS.

KEYED NOTES:

1. DENOTES AREA WHERE EXISTING LIGHTING TO REMAIN.
2. DENOTES EXISTING LIGHT SWITCH TO REMAIN.
3. DENOTES NEW LIGHTS TO BE WIRED TO EXISTING LIGHTING CIRCUIT IN ROOM.
4. DENOTES NEW EMERGENCY FIXTURE TO BE WIRED EXISTING AREA LIGHTING CIRCUIT. WIRE EMERGENCY FIXTURE UNSWITCHED.
5. DENOTES EXISTING FIRE ALARM CONTROL PANEL AND RELAYS TO BE RELOCATED AS SHOWN. CONTACT BRIAN CROFT WITH JOHNSON CONTROLS (BRIAN.L.CRAFT@JCI.COM) (864-293-5568) FOR ADDITIONAL INFORMATION.
6. DENOTES AREA WHERE EXISTING LIGHTING IS TO REMAIN. FIXTURES TO BE CONTROLLED VIA RELOCATED SWITCHES AS SHOWN.

KEY PLAN LEGEND



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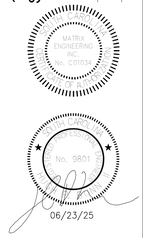

LIGHTING PLAN & FIRE ALARM PLAN

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