CSC.2004.01.WP

PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

PROJECT DIRECTORY

OWNER

PEACH STATE CONSTRUCTION CO. INC

7260 WILLIAMS BROTHERS DRIVE
COVINGTON, GA 30014

CONTACT:
RUSTY ANDREWS
404-886-4954

CONTRACTOR

SUNBELT BUILDERS

10641 HIGHWAY 36
COVINGTON, GA 30014

CONTACT:
MIKE B. MCCROREY, JR.
770.786.3031
MMCCROREY@SUNBELTBUILDERS.COM

ARCHITECT

CSC DESIGN, INC

135 P. RICKMAN INDUSTRIAL DR. SUITE 100
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CONTACT:
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KEYSTONE STRUCTURAL ENGINEERING

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MECHANICAL & PLUMBING ENGINEER

TOTAL ENGINEERS

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ELECTRICAL DESIGN CONSULTANTS

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CONTACT:
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GTGARRETT_15@YAHOO.COM

CONSULTANTS NOT IN CSC DESIGN'S SCOPE OF SERVICES. DRAWINGS ARE NOT BY ARCHITECT AND ARE INCLUDED HEREIN FOR CONVENIENCE ONLY.

BUILDING CODE ANALYSIS

A. **GENERAL**

1. **GOVERNING CODES**
2024 INTERNATIONAL BUILDING CODE (IBC) W/ GA AMENDMENTS (2026)
2024 INTERNATIONAL PLUMBING CODE (IPC) W/ GA AMENDMENTS (2026)
2024 INTERNATIONAL MECHANICAL CODE (IMC) W/ GA AMENDMENTS (2026)
2024 INTERNATIONAL FUEL GAS CODE W/ GA AMENDMENTS (2026)
2023 NFPA 70 NATIONAL ELECTRICAL CODE (NEC) W/ GA AMENDMENTS (2026)
2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) W/ GA SUPPLEMENTS AND AMENDMENTS (2020)(2022)(2023)

ACCESSIBILITY
GEORGIA ACCESSIBILITY CODE CHAPTER 120-3-20,(.01-.08) WITH 2025 GEORGIA STATE FIRE COMMISSIONER AMENDMENTS 120-3-3.08 THROUGH .11 - 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.
2010 EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA)
2017 ANSI A-117.1 ACCESSILE & USABLE BUILDINGS & FACILITIES

LIFE SAFETY
2024 NFPA 101, LIFE SAFETY CODE (LSC) W/ 2025 GA STATE FIRE COMMISSIONER AMENDMENTS 120-3-3-.04 (72)
2024 INTERNATIONAL FIRE CODE (IFC) W/ 2025 GA STATE FIRE COMMISSIONER AMENDMENTS 120-3-3-.04
CHAPTER 120-3-3 RULES & REGULATIONS OF THE STATE MIN. & FIRE SAFETY STANDARDS (EFFECTIVE JANUARY 1, 2026)
2022 NFPA 10 STANDARD FOR PORTABLE FIRE EXTINGUISHERS WITH 2025 GEORGIA STATE FIRE COMMISSIONER AMENDMENTS
2022 NFPA 13 FIRE SPRINKLERS SYSTEM WITH 2025 GEORGIA STATE FIRE COMMISSIONER AMENDMENTS

B. **OCCUPANCY CLASSIFICATION**

GROUP	2024 NFPA 101	IBC CHAPTER 3
B	BUSINESS	(B) BUSINESS

C. **TYPE OF CONSTRUCTION (IBC CHAPTER 6)**

GROUP	TYPE	SPRINKLERED
B	IIB	YES

D. **HEIGHT AND AREA LIMITS (IBC TABLE 504.3, 504.4, & 506.2)**

ALLOWABLE BUILDING HEIGHT AND AREA:

GROUP	SPRINKLERED	MAX HEIGHT*	MAX STORIES*	MAX AREA/LEVEL**
B	YES	75'	4	92,000 SF

* PER IBC TABLE 504.3 & 504.4
** PER IBC TABLE 506.2

ACTUAL BUILDING HEIGHT AND AREA:

GROUP	SPRINKLERED	HEIGHT	STORIES	AREA/LEVEL
B	YES	23'	1	7, 080 SF

E. **FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (IBC TABLE 601)**

BUILDING ELEMENT	TYPE IIB
PRIMARY STRUCTURAL FRAME	0
EXTERIOR BEARING WALLS	0
INTERIOR BEARING WALLS	0
EXTERIOR NONBEARING WALLS AND PARTITIONS	SEE F
INTERIOR NONBEARING WALLS AND PARTITIONS	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

PROVIDED BUILDING FIRE-RESISTANCE ASSEMBLIES:

BUILDING ELEMENT	TYPE IIB
PRIMARY STRUCTURAL FRAME	0
EXTERIOR BEARING WALLS	0
INTERIOR BEARING WALLS	0
EXTERIOR NONBEARING WALLS AND PARTITIONS	SEE F
INTERIOR NONBEARING WALLS AND PARTITIONS	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

F. **FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (IBC TABLE 602)**

FIRE SEPARATION	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H	OCCUPANCY GROUP F-1, M, S-1	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2, U
X < 5	ALL	3	2	1
5 ≤ X < 10	IA, IV-A	3	2	1
	OTHERS	2	1	1
10 ≤ X < 30	IA, IA, IV-A, IV-B	2	1	**
	IB, V-B	1	0	0
	OTHERS	1	1	**
X ≥ 30	ALL	0	0	0

BUILDING INFORMATION

SITE ADDRESS:	265 PIPER ROAD COVINGTON, GA 30014
PARCEL NUMBER:	0830 - 1600
JURISDICTION:	NEWTON COUNTY, GEORGIA
PROJECT DESCRIPTION:	CONSTRUCTION OF NEW OFFICE BUILDING. PRIMARY STRUCTURAL SYSTEM TO BE A PRE-ENGINEERED METAL BUILDING WITH NON LOAD BEARING METAL STUD PARTITIONS. SCOPE INCLUDE INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS. BUILDING WILL BE OF TYPE IIB CONSTRUCTION. BUILDING WILL BE PROVIDED WITH FIRE SPRINKLER SYSTEM BUT NOT A FIRE ALARM SYSTEM. ALL SIGNAGE AND CIVIL SITE DEVELOPMENT DRAWINGS TO BE PERMITTED SEPARATELY.
CLASSIFICATIONS:	BUSINESS
CONSTRUCTION TYPES:	IIB
SPRINKLERED:	YES (NFPA 13)
FIRE ALARM:	NO
NO. OF STORIES:	1
HIGH-RISE:	NO

VICINITY LOCATION

SITE LOCATION

SHEET INDEX

SHEET NUMBER	SHEET NAME	04.24.2026 ISSUED FOR CONSTRUCTION	05.14.2026 REVISION #1 (COUNTY COMMENTS)				REVISIONS #	REVISIONS DATE
GENERAL								
G-000	COVER SHEET	■	■				1	05/14/2026
G-005	SYMBOLS & LEGENDS	■						
G-006	GENERAL NOTES & COMCHECK	■						
G-050	ACCESSIBILITY DETAILS	■						
G-051	ACCESSIBILITY DETAILS	■						
G-060	CODE REQUIRED SIGNAGE	■						
LS101	LIFE SAFETY PLAN	■						
G-220	METAL STUD PARTITION TYPES	■						
ARCHITECTURE								
AS101	EDGE OF SLAB & PENETRATION PLAN	■						
A-101	FLOOR PLAN	■						
A-102	ROOF PLAN	■						
A-121	FINISHES PLAN	■						
A-201	REFLECTED CEILING PLAN	■						
A-301	EXTERIOR ELEVATIONS	■	■				1	05/14/2026
A-302	EXTERIOR ELEVATIONS	■						
A-401	BUILDING SECTIONS	■						
A-411	WALL SECTIONS	■						
A-412	WALL SECTIONS	■						
A-505	ENLARGED RESTROOM PLANS & ELEVATIONS	■						
A-506	ENLARGED RESTROOM PLANS & ELEVATIONS	■						
A-507	ENLARGED BREAKROOM FLOOR PLAN & ELEVATION	■						
A-701	ENLARGED DETAILS - ZEE, VERTICAL MWP	■						
A-800	DOOR AND FRAME ELEVATIONS & LEGEND	■						
A-801	DOOR SCHEDULE	■						
A-802	STOREFRONT HEAD & JAMB DETAILS	■						
A-803	DOOR HEAD & JAMB DETAILS - HM, METAL	■						
A-806	DOOR SILL DETAILS	■						
STRUCTURAL								
S0.1	STRUCTURAL GENERAL NOTES & SCHEDULES	■						
S1.1	FOUNDATION PLAN	■						
S3.1	FOUNDATION DETAILS	■						
S3.2	FOUNDATION & MASONRY DETAILS	■						
S5.1	SCHEDULE OF SPECIAL INSPECTIONS	■						
MECHANICAL								
M0.1	MECHANICAL LEGEND, ABBREVIATIONS, AND NOTES	■						
M0.2	MECHANICAL SPECIFICATIONS	■						
M0.3	MECHANICAL ZONING PLAN	■						
M0.4	MECHANICAL DETAILS	■						
M0.5	MECHANICAL DETAILS	■						
M0.6	MECHANICAL SCHEDULES	■						
M1.1	MECHANICAL NEW WORK FLOOR PLAN	■						
PLUMBING								
P0.1	PLUMBING SCHEDULES & SPECIFICATIONS	■						
P0.2	FIRE SPECIFICATIONS	■						
P1.1	PLUMBING NEW WORK FLOOR PLAN - DOMESTIC WATER	■						
P1.2	PLUMBING NEW WORK FLOOR PLAN - WASTE & VENT	■						
ELECTRICAL								
E-101	LEGEND, NOTES, & SCHEDULES	■						
E-102	ELECTRICAL SPECIFICATIONS	■						
E-201	FLOOR PLAN - LIGHTING	■						
E-301	FLOOR PLAN - POWER & SYSTEMS	■						
E-401	POWER RISER & DETAILS	■						
E-402	ELECTRICAL SCHEDULES	■						

APPROVED
BY: DW DATE: 6/19/2026

Preliminary Plat Final Plat Site Development Building
Review of ... for general compliance with Newton County, GA regulations & requirements. Markings or comments ... relieve the applicant/designer/owner or contractor from compliance with said regulations & requirements.
Signature: ... Date: ...
NEWTON COUNTY, GEORGIA

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
SUITE 100 CANTON, GA 30115
Phone: (770) 345-2579

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STATE OF GEORGIA
KEVIN B. WHIPPLE
05/14/2026
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS NO.	DATE	ISSUE:
1	05/14/2026	REVISION # 1 - (COUNTY COMMENTS)

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

COVER SHEET

G-000

ISSUED FOR CONSTRUCTION

5/14/2026 11:36:40 AM Y:\Projects\25-038 Peach State Construction Office_Covington, GA\Archi\01 REVIT\25-038 Peach State Construction Office.rvt

ALPHA BLDG SET 06-18-2026

CSC.2024.01.007

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GROUP	2024 NFPA 101	IBC CHAPTER 3
B	BUSINESS	(B) BUSINESS

C. **TYPE OF CONSTRUCTION (IBC CHAPTER 6)**

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ALLOWABLE BUILDING HEIGHT AND AREA:

GROUP	SPRINKLERED	MAX HEIGHT*	MAX STORIES*	MAX AREA/LEVEL**
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* PER IBC TABLE 504.3 & 504.4
** PER IBC TABLE 506.2

ACTUAL BUILDING HEIGHT AND AREA:

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E. **FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (IBC TABLE 601)**

BUILDING ELEMENT	TYPE IIB
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EXTERIOR BEARING WALLS	0
INTERIOR BEARING WALLS	0
EXTERIOR NONBEARING WALLS AND PARTITIONS	SEE F
INTERIOR NONBEARING WALLS AND PARTITIONS	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

PROVIDED BUILDING FIRE-RESISTANCE ASSEMBLIES:

BUILDING ELEMENT	TYPE IIB
PRIMARY STRUCTURAL FRAME	0
EXTERIOR BEARING WALLS	0
INTERIOR BEARING WALLS	0
EXTERIOR NONBEARING WALLS AND PARTITIONS	SEE F
INTERIOR NONBEARING WALLS AND PARTITIONS	0
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ROOF CONSTRUCTION	0

F. **FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (IBC TABLE 602)**

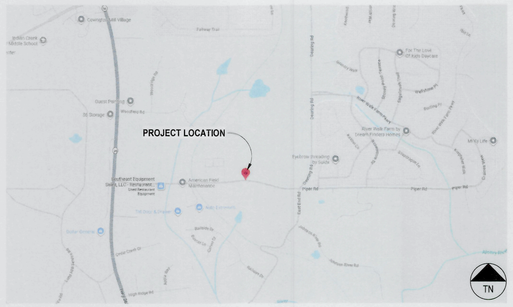
FIRE SEPARATION	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H	F-1, M, S-1	A, B, E, F-2, I, R, S-2, U
X < 5	ALL	3	2	1
5 ≤ X < 10	I-A, IV-A	3	2	1
	OTHERS	2	1	1
10 ≤ X < 30	I-A, I-B, IV-A, IV-B	2	1	1*
	II-B, V-B	1	0	0
	OTHERS	1	1	1*
X ≥ 30	ALL	0	0	0

BUILDING INFORMATION

SITE ADDRESS:	265 PIPER ROAD COVINGTON, GA 30014
PARCEL NUMBER:	0830 - 1600
JURISDICTION:	NEWTON COUNTY, GEORGIA
PROJECT DESCRIPTION:	CONSTRUCTION OF NEW OFFICE BUILDING. PRIMARY STRUCTURAL SYSTEM TO BE A PRE-ENGINEERED METAL BUILDING WITH NON LOAD BEARING METAL STUD PARTITIONS. SCOPE INCLUDE INSTALLATION OF NEW MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS. BUILDING WILL BE OF TYPE IIB CONSTRUCTION. BUILDING WILL BE PROVIDED WITH FIRE SPRINKLER SYSTEM BUT NOT A FIRE ALARM SYSTEM. ALL SIGNAGE AND CIVIL SITE DEVELOPMENT DRAWINGS TO BE PERMITTED SEPARATELY.
CLASSIFICATIONS:	BUSINESS
CONSTRUCTION TYPES:	IIB
SPRINKLERED:	YES (NFPA 13)
FIRE ALARM:	NO
NO. OF STORIES:	1
HIGH-RISE:	NO

VICINITY LOCATION

SITE LOCATION



SHEET INDEX

SHEET NUMBER	SHEET NAME	04.24.2026 ISSUED FOR CONSTRUCTION	REVISIONS #	REVISIONS DATE
GENERAL				
G-000	COVER SHEET	■		
G-005	SYMBOLS & LEGENDS	■		
G-006	GENERAL NOTES & COMCHECK	■		
G-050	ACCESSIBILITY DETAILS	■		
G-051	ACCESSIBILITY DETAILS	■		
G-060	CODE REQUIRED SIGNAGE	■		
LS101	LIFE SAFETY PLAN	■		
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S0.1	STRUCTURAL GENERAL NOTES & SCHEDULES	■		
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MECHANICAL				
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M0.3	MECHANICAL ZONING PLAN	■		
M0.4	MECHANICAL DETAILS	■		
M0.5	MECHANICAL DETAILS	■		
M0.6	MECHANICAL SCHEDULES	■		
M1.1	MECHANICAL NEW WORK FLOOR PLAN	■		
PLUMBING				
P0.1	PLUMBING SCHEDULES & SPECIFICATIONS	■		
P0.2	FIRE SPECIFICATIONS	■		
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ELECTRICAL				
E-101	LEGEND, NOTES, & SCHEDULES	■		
E-102	ELECTRICAL SPECIFICATIONS	■		
E-201	FLOOR PLAN - LIGHTING	■		
E-301	FLOOR PLAN - POWER & SYSTEMS	■		
E-401	POWER RISER & DETAILS	■		
E-402	ELECTRICAL SCHEDULES	■		

APPROVED
By dthomas at 4:11 pm, Jun 09, 2026
Insp. D. Thomas

APPROVED
BY: CW DATE: 6/19/26

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. 026145
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS NO. DATE ISSUE

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

COVER SHEET

G-000

ISSUED FOR CONSTRUCTION

Y:\Projects\25-038 Peach State Construction Office_Covington, GA\Arch\00 REVIT\25-038 Peach State Construction Office.rvt

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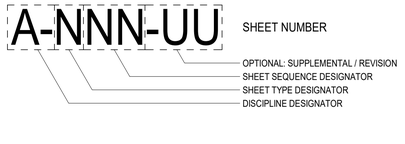
ABBREVIATION LEGEND

%	PERCENT
§	SECTION
A	
A/C	AIR CONDITIONER
A/E	ARCHITECT / ENGINEER
A/V	AUDIO VISUAL
AB	ANCHOR BOLT
ACC	ACCESSIBLE
ACI	AMERICAL CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISSABILITIES ACT
ADJ	ADJACENT; ADJUSTABLE
ADMIN	ADMINISTRATION
AFF	ABOVE FLOOR FINISH
AFG	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISTICTION
AHU	AIR HANDLING UNIT
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE; ALTERNATING
ALUM	ALUMINUM
ANOD	ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECT
AUTO	AUTOMATIC
AVG	AVERAGE
AWI	ARCHITECTURAL WOODWORKING INSTITUTE
B	
B.O.	BOTTOM OF
B.O.D.	BASIS OF DESIGN
BD	BOARD
BETW	BETWEEN
BEV	BEVELED
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BR	BEDROOM; BRICK
BSMT	BASEMENT
BTM	BOTTOM
BTU	BRITISH THERMAL UNIT
BUR	BUILT UP ROOFING
BW	BOTH WAYS
C	
CCD	CONTRACT CHANGE DIRECTIVE
CD	CONSTRUCTION DOCUMENTS
CER	CERAMIC
CF	CONTRACTOR FURNISHED
CFC	CHLOROFLOUROCARBONS
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CONTRACTOR INSTALLED
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CL	CENTER LINE; CLASS
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CM	CONSTRUCTION MANAGEMENT
CMU	CONCRETE MASONRY UNIT
CO	CERTIFICATE OF OCCUPANCY; CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CSI	CONSTRUCTION SPECIFICATION INSTITUTE
CT	CERAMIC TILE; COUNT
CTR	CENTER
CU	CUBIC
D	
D	DEEP; DEPTH
d	PENNY (NAIL)
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION; DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFERENCE; DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTANCE
DL	DEAD LOAD
DN	DOWN
DR	DOOR; DOORS; DRAIN
DS	DOWNSPOUT
DTL	DETAIL
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
E	
E	EAST
EA	EACH
EF	EACH FACE; EXHAUST FAN
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC; ELECTRICAL
ELEV	ELEVATOR
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
ENTR	ENTRANCE
EPA	ENVIRONMENTAL PROTECTION AGENCY
EQ	EQUAL
EST	ESTIMATE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION; EXPOSED
EXT	EXTERIOR; EXTERNAL
F	
F.O.	FACE OF
FAR	FLOOR AREA RATING
FC	FOOT CANDLES
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FFC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FIG	FIGURE
FIN	FINISH
FIXT	FIXTURE
FLEX	FLEXIBLE
FLG	FLOORING
FLOUR	FLOURESCENT
FLR	FLOOR
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FIRE PROTECTIONS
FPL	FABRIC PANEL
FR	FIRE RATING; FIRE RESISTANT; FRAME
FRTWD	FIRE RETARDENT TREATED WOOD
FT	FEET (FOOT)
FTG	FOOTING
FURR	FURRING
FWC	FABRIC WALL COVERTING
G	
GA	GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GENR	GENERATOR
GFI	GROUND FAULT INTERRUPTER
GL	GLASS
GLZ	GLAZING
GRD	GROUND
GSB	GYPSUM SHEATHING BOARD
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	
H	HIGH
HB	HOSE BIBB
HC	HANDICAP; HOLLOW CORE
HDR	HEADER
HDW	HARDWARE
HEX	HEXAGONAL
HID	HIGH INTENSITY DISCHARGE
HM	HOLLOW METAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HW	HOT WATER
HWY	HIGHWAY
I	
IAQ	INDOOR AIR QUALITY
IBC	INTERNATIONAL BUILDING CODE
IC	IN CONTRACT
ID	IDENTIFICATION; INTERIOR DESIGN; INSIDE DIAMETER
IN	INCHES
INCAND	INCANDESCENT
INCL	INCLUSIVE
INCLDG	INCLUDING
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
J	
JAN	JANITOR
JB	JUNCTION BOX
JST	JOIST
JT	JOINT
K	
KD	KNOCK DOWN
KIP	THOUSAND POUNDS
KIT	KITCHEN
KWY	KEYWAY
L	
L	ANGLE; LENGTH; LOW
LAB	LABORATORY
LAM	LAMINATE; LAMINATED
LAV	LAVATORY
LB	POUND
LBS	POUNDS
LDG	LANDING
LED	LIGHT EMITTING DIODE
LF	LINEAR FOOT; LINEAR FEET
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LIB	LIBRARY
LIN	LINEAR
LL	LIVE LOAD
LONG	LONGITUDINAL
LR	LIVING ROOM
LT	LIGHT
LTG	LIGHTING
LVL	LAMINATED VENEER LUMBER; LEVEL
M	
m	METER
M HAL	METAL HALIDE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MBR	MEMBER
MECH	MECHANICAL
MED	MEDIUM
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM; MINUTE
MISC	MISCELANIOUS
MO	MASONRY OPENING
MT	MOUNT
MTG	MOUNTING
MTL	METAL
MW	MICROWAVE
MWP	METAL WALL PANEL
N	
N	NORTH
N/A	NOT APPLICABLE
NE	NORTH EAST
NEC	NATIONAL ELECTRIC CODE
NEG	NEGATIVE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NSF	NET SQUARE FOOT; NET SQUARE FOOT
NTS	NOT TO SCALE
NW	NORTHWEST
O	
OC	ON CENTER
OCC	OCCUPANCY; OCCUPIED
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OVERHEAD
OPG	OPENING
OPP	OPPOSITE
OZ	OUNCE; OUNCES
P	
PART	PARTIAL
PASS	PASSAGE
PC	PRECAST
PCC	PRECAST CONCRETE
PD	PEDISTAL
PERF	PERFORATED
PERP	PERPENDICULAR
PL	PLATE; PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLB	PLUMB
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
POS	POSITIVE
PR	PAIR
PREFAB	PREFABRICATED
PROJ	PROJECT; PROJECTED
PROP	PROPERTY; PROPOSAL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT; PRESSURE TREATED
PTD	PAINTED
PTN	PARTITION
Q	
QT	QUARRY TILE
QTY	QUANTITY
R	
R	MEASURE OF THERMAL RESISTANCE; RADIUS; RISER
RB	RESILIENT BASE; RUBBER BASE
RBR	RUBBER
RC	REINFORCED CONCRETE
RCP	REFLECTED CEILING PLAN
RD	ROAD; ROOF DRAIN
REBAR	REINFORCING STEEL BARS
REC	RECESSED
RECEPT	RECEPTICAL
RECT	RECTANGLE
REF	REFERENCE; REFRIGERATOR
REINF	REINFORCE; REINFORCING; REINFORCEMENT
REQ	REQUIRE; REQUIRED
RET	RETURN
REV	REVISE; REVISED; REVISION
RFG	ROOFING
RFI	REQUEST FOR INFORMATION
RH	RIGHT HAND
RHR	RIGHT HAND REVERSE
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	ROTATIONS PER MINUTE
RSF	RENTABLE SQUARE FEET
RT	RUBBER TILE
RTG	RATING
RTU	ROOFTOP UNIT
RWC	RAIN WATER CONDUCTOR
S	
S	SOUTH
SAN	SANITARY
SB	STONE BASE
SC	SOLID CORE
SCH	SCHEDULE; SCHEDULED
SCHEM	SCHEMATIC
SD	SMOKE DETECTOR; STORM DRAIN
SDG	SIDING
SE	SOUTH EAST
SECT	SECTION
SF	SQARE FOOT; SQUARE FEET
SGL	SINGLE
SHT	SHEET
SHWR	SHOWER
SIM	SIMILAR
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SST	STAINLESS STEEL
ST	STAIRS; STREET; STAIN
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
STN	STONE
STO	STORAGE
STR	STRUCTURE; STRUCTURAL
SUSP	SUSPENDED
SW	SOUTH WEST
SWR	SEWER
SYMB	SYMBOL
SYS	SYSTEM
T	
T	TILE; TREAD; TREADS
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T.O	TOP OF
TB	TILE BASE
TBD	TO BE DETERMINED
TEL	TELEPHONE
TEMP	TEMPERATURE; TEMPORARY
TERR	TERRAZZO
THK	THICK; THICKENED; THICKNESS
THRES	THRESHOLD
THRU	THROUGH
TMPD	TEMPERED
TOC	TOP OF CONCRETE; TOP OF CURB
TOPO	TOPOGRAPH; TOPOGRAPHY; TOPOGRAPHIC
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANSF	TRANSFORMER
TSTAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL
U	
U	HEAT TRANSFER COEFFICIENT
UC	UNDERCUT
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES INC.
UNEXCAV	UNEXCAVATED
UNO	UNLESS NOTED OTHERWISE
UPS	UNITERRUPTABLE POWER SUPPLY
UR	URINAL
USF	USABLE SQUARE FOOTAGE
USG	UNITED STATES GYPSUM CORPORATION
UTIL	UTILITY
V	
V	VENT; VOLT
V.I.F.	VERIFY IN FIELD
VAR	VARIES
VAV	VARIABLE AIR VOLUME
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VOC	VOLATILE ORGANIC COMPOUND
VOL	VOLUME
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	
W	WATT; WEST; WIDE; WIDTH
W/	WITH
W/D	WASHER / DRYER
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET; TOILET
WCO	WALL CLEANOUT
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WH	WATER HEATER
WL	WIND LOAD
WLD	WELDED
WP	WATERPROOF; WATERPROOFING; WEATHERPROOF
WPT	WORKING POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
X	
XPS	EXTRUDED POLYSYRENE BOARD (INSULATION)
Y	
YD	YARD; YARD DRAIN

SECTION/PLAN LEGEND

- ALUMINUM
- BATT INSULATION
- BRICK
- CONCRETE
- CONCRETE MASONRY
- EARTH
- GRAVEL / DGA
- PLASTER, GYPSUM WALL BOARD
- PLYWOOD
- RIGID INSULATION
- SAND
- SPRAY FOAM INSULATION
- STEEL, IRON
- STONE
- WOOD BLOCKING / SHIM
- WOOD DIMENSIONAL
- WOOD FINISH

SYMBOLS LEGEND



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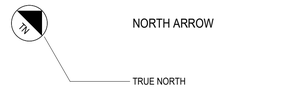

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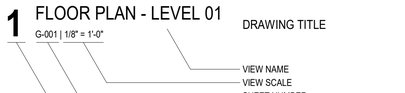

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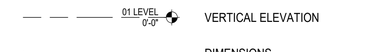

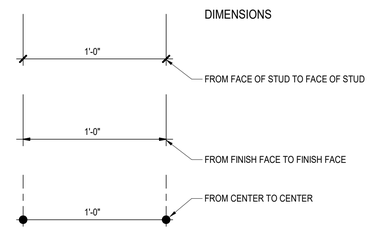

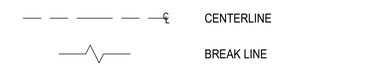

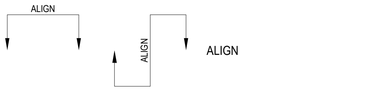

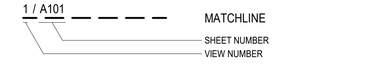

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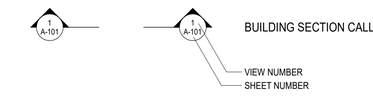

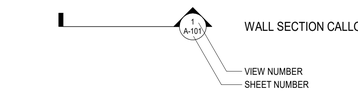

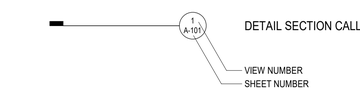

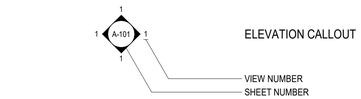

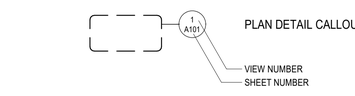

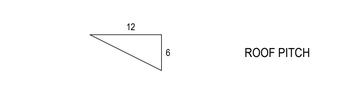

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
SUITE 100 CANTON, GA 30115
Phone: (770) 345-2579

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014586
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

SYMBOLS & LEGENDS

G-005

ISSUED FOR CONSTRUCTION

Y:\Projects\25-038 Peach State Construction Office_Covington, GA\Arch\00 REVIT\25-038 Peach State Construction Office.rvt

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CSC.2024.01.007

GENERAL NOTES

1. DO NOT SCALE DRAWINGS - USE DIMENSIONS ONLY. FOR DIMENSIONS NOT SHOWN OR IN QUESTION, CONTRACTOR SHALL REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND MUST NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING OF ANY DISCREPANCIES OR VARIATIONS FROM THE DIMENSIONS OR CONDITIONS SHOWN BY THESE DRAWINGS PRIOR TO ORDERING MATERIALS OR OTHERWISE PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. ANY ADJUSTMENTS AND / OR CORRECTIONS SHALL BE MARKED AND BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION.
3. *UNLESS NOTED OTHERWISE*, WALL AND PARTITION DIMENSIONS ARE GIVEN FROM FACE OF STUD/CMU TO FACE OF STUD/CMU OR TO COLUMN CENTERLINE. EXCEPTION: MILLWORK DETAILS WHERE DIMENSIONS ARE GIVEN FROM FACE OF FINISH SURFACES (GWB, PLASTER, ETC.). LOCATE EDGE OF DOOR OPENINGS 6" FROM FACE OF ADJACENT PARTITION UNLESS NOTED OTHERWISE.
4. ELEVATIONS AND LEVELS ARE SHOWN FROM TOP OF SLAB BASED ON A "REFERENCE BENCHMARK ELEVATION" - THE CONTRACTOR SHALL COORDINATE THE ELEVATIONS PROVIDED WITH THE CIVIL DRAWINGS AND EXISTING ELEVATIONS WHEN APPLICABLE.
5. THE CONTRACTOR SHALL REVIEW PLANS, ELEVATIONS & DETAILS BEFORE DETERMINING THE ELEVATION OF THE FINISHED FLOOR ABOVE FINISHED GRADE. SITE CONDITIONS MAY REQUIRE MODIFICATIONS TO SUCH DESIGN ELEMENTS AS THE NUMBER OF STEPS TO GRADE ETC. - COORDINATE WITH ARCHITECT.
6. ALL CENTERLINE OF FOOTINGS, WALLS, GRADE BEAMS, COLUMNS AND BEAMS SHALL COINCIDE, UNLESS NOTED OTHERWISE.
7. ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS SPECIFICALLY SHOWN OTHERWISE.
8. ALL DRAWINGS, SPECIFICATIONS & OTHER DOCUMENTS PREPARED BY THE ARCHITECT & ARCHITECT'S CONSULTANTS ARE INSTRUMENTS OF SERVICE SOLELY FOR THIS PROJECT.
9. THIS SET OF CONSTRUCTION DOCUMENTS IS INTENDED TO BE READ AS A COMPREHENSIVE SET OF DRAWINGS AND SPECIFICATIONS. NOTE THAT THE SPECIFICATIONS FORM AN INTEGRAL PART OF THIS CONSTRUCTION DOCUMENTATION. THE CONTRACTOR SHALL CAREFULLY STUDY & COMPARE THE CONTRACT DOCUMENTS WITH EACH OTHER (EACH DISCIPLINE) AND THE INFORMATION FURNISHED BY THE DEVELOPER AND NOTIFY THE ARCHITECT OF ANY ERRORS, INCONSISTENCIES OR OMISSIONS. INFORMATION GIVEN BY ONE DISCIPLINE SHALL BE APPLICABLE FOR ALL PORTIONS OF THE CONSTRUCTION DOCUMENTS IN ORDER TO MEET THE DESIGN INTENT. IF THE CONTRACTOR PERFORMS ANY CONSTRUCTION ACTIVITY WHERE AN ERROR, INCONSISTENCY OR OMISSION IN THE CONTRACT DOCUMENTS IS EVIDENT WITHOUT SUCH NOTICE TO THE ARCHITECT. THE CONTRACTOR SHALL ASSUME THE APPROPRIATE RESPONSIBILITY AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, COORDINATING AND PAYING FOR THE COST OF ALL INSPECTIONS, TESTS, PERMITS, LICENSES AND OTHER GOVERNMENTAL FEES, AS NECESSARY FOR PROPER EXECUTION TO COMPLETE THE WORK AND AS INDICATED ON THE PLANS AND SPECIFICATIONS, RECOMMENDED BY THE GEOTECHNICAL REPORT AND/OR AS REQUIRED BY ANY GOVERNMENTAL AGENCY. REVISIONS MADE AFTER INITIAL PERMIT PULL REQUIRING RESUBMISSION OF REVISED DOCUMENTS AND/OR ADDITIONAL FEES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
11. THE CONTRACTOR SHALL COMPLY WITH AND GIVE NOTICES REQUIRED BY LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF THE PUBLIC AUTHORITIES BEARING ON THE PERFORMANCE OF THE WORK. ALL WORK SHALL BE PREPARED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE, & LOCAL CODES & REGULATIONS INCLUDING THE AMERICANS WITH DISABILITIES ACT.
12. THE CONTRACTOR SHALL VISIT THE SITE AND SURROUNDING AREAS TO BECOME FAMILIAR WITH THE WORK REQUIRED PRIOR TO ANY ON-SITE CONSTRUCTION OR MOBILIZATION. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
13. THE CONTRACTOR SHALL PROVIDE LABOR, MATERIAL, EQUIPMENT, AND SERVICES REQUIRED TO EXECUTE AND COMPLETE ALL ITEMS OF WORK AS SHOWN, OR INDICATED ON THE DRAWINGS AND AS SPECIFIED INCLUDING INCIDENTAL ITEMS TO EFFECT A FINISHED AND COMPLETE JOB.
14. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR SAFETY REGULATIONS IN CONNECTION WITH WORK. THESE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR UNDER THESE CONSTRUCTION DOCUMENTS.
15. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY TO ACCOUNT FOR NON-TYPICAL SOILS CONDITIONS INCLUDING, BUT NOT LIMITED TO, THE PRESENCE OF CLAY OR GROUND WATER.
16. THE CONTRACTOR SHALL PROVIDE ALL REGULATORY AGENCY REQUIRED SIGNAGE NECESSARY FOR CERTIFICATE OF OCCUPANCY.
17. ANY AND ALL REVISIONS FROM THESE PLANS MUST BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. ONCE CONSTRUCTION HAS COMMENCED, ANY REVISIONS IN THE FIELD MUST BE APPROVED BY THE OWNER'S CONSTRUCTION REPRESENTATIVE AND THE ARCHITECT.
18. THE ARCHITECT MAY AUTHORIZE AT ANY POINT MINOR CHANGES IN WORK NOT INVOLVING ADJUSTMENTS IN CONTRACT SUM VIA ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (ASI) WHICH ARE CONSISTENT WITH THE INTENT OF THE CONTRACT DOCUMENTS.
19. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR BRACING AND SHORING OF THE STRUCTURE DURING CONSTRUCTION TO ENSURE STABILITY.
20. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSPECTIONS WITH THE AUTHORITIES HAVING JURISDICTION ON THE PROJECT.
21. THE CONTRACTOR SHALL MAINTAIN ON SITE AND MAKE AVAILABLE IN THE JOB TRAILER A LIST OF SPECIAL INSPECTORS CONDUCTING INSPECTIONS ON THE PROJECT. THE LIST SHALL INDICATE THE NAMES OF INSPECTOR, DATES, AND TIMES PRESENT ON JOB SITE AND TYPES OF INSPECTIONS BEING CONDUCTED. INSPECTION REPORTS SHALL ALSO BE MADE AVAILABLE UPON REQUEST.
22. THE CONSTRUCTION SCHEDULE SHALL BE RELATED TO THE ENTIRE PROJECT AND BE CONDUCTED IN STRICT ACCORDANCE WITH THE SEQUENCE OF OPERATIONS IN WHICH THE CONTRACTOR HAS COORDINATED WITH THE OWNER'S APPROVAL ON ALL SCHEDULE SEQUENCING TO AVOID CONFLICTS WITH DAILY OPERATIONS AND SPECIAL EVENTS INCLUDING ANY EXISTING FACILITIES AND ACCESS AS MAY BE APPLICABLE.
23. THE USE OF THE SITE SHALL BE CONFINED TO THOSE AREAS APPROVED BY THE OWNER AND CODE IN ORDER TO MINIMIZE PUBLIC EXPOSURE TO UNSAFE CONDITIONS AND TO CONTINUE THE OPERATION OF THE SURROUNDING DEVELOPMENT.
24. NO STRUCTURE OF ANY KIND IS TO BE CONSTRUCTED ON OR PLACED WITHIN PUBLIC UTILITY EASEMENTS EXCEPT WOOD, WIRE OR REMOVABLE SECTION TYPE FENCING, REQUIRE PAVING FOR ACCESS AND GROUND COVER INCLUDING GRASS. THE CONTRACTOR SHALL REPLACE ANY OBSTRUCTIONS OR PLANTING THAT MUST BE REMOVED DURING THE COURSE OF MAINTENANCE, CONSTRUCTION OR RECONSTRUCTION OF THE PUBLIC UTILITIES AT NO COST TO THE OWNER.
25. NO BUILDING OR PORTION OF A BUILDING SHALL BE OCCUPIED OR USED INCLUDING STORAGE PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY. APPROVAL FOR OCCUPANCY IS ONLY GRANTED AFTER ACCEPTANCE BY THE FIRE MARSHAL AND BUILDING OFFICIAL.
26. MATERIAL AND EQUIPMENT STORAGE SHALL BE ON SITE AND COORDINATED WITH OWNER'S DIRECTIVES.
27. SIGNS, LOCATION, NUMBER, AND SIZE ARE NOT APPROVED UNDER THIS BUILDING PERMIT. A SEPARATE PERMIT IS REQUIRED FOR EACH SIGN. ALL IDENTIFICATION SIGNAGE SHALL BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR, UNLESS NOTED OTHERWISE. SIGNAGE ON RESTROOM DOORS SHALL BE RAISED AND BRAILLE CHARACTERS AND PICTORIAL SYMBOL SIGNS. IDENTIFICATION SIGNAGE SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL COMPLY WITH THE GEORGIA ACCESSIBILITY CODE AND THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
28. EXIT DOORS SHALL NOT BE SUBJECTED TO USE OF A KEY OR REQUIRE SPECIAL KNOWLEDGE TO OPERATE PER THE NFPA 101 LIFE SAFETY CODE 2024 EDITION, CHAPTER 7 (SECTION 7.2.1.5). PANIC HARDWARE SHALL BE PROVIDED FOR ALL EXIT DOORS PER THE REQUIREMENTS OF THE NFPA LIFE SAFETY CODE. EXIT DOORS SHALL OPERATE PER NFPA 101 LIFE SAFETY CODE.
29. (DOOR/HARDWARE) HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES SHALL BE PROVIDED THAT COMPLY WITH GEORGIA ACCESSIBILITY CODE AND THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
30. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE AND SHALL BE INSTALLED WITH THE GEORGIA ACCESSIBILITY CODE AND THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
31. DETECTIBLE WARNINGS ON WALKING SURFACES SHALL COMPLY WITH THE GEORGIA ACCESSIBILITY CODE AND THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
32. ALL MATERIALS EXPOSED WITHIN PLENUMS ARE REQUIRED TO BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM E84.
33. THE CONTRACTOR SHALL DOCUMENT THAT INSULATION MATERIALS IN CONCEALED OR EXPOSED SPACES SHALL HAVE A FLAME SPREAD INDEX AND A SMOKE-DEVELOPED INDEX THAT MEETS CODE.
34. ALL INTERIOR FINISH PRODUCTS SHALL BE PROVIDED IN COMPLIANCE WITH THE REQUIREMENTS OF THE RESPECTIVE OCCUPANCY CHAPTER OF THE NFPA 101 LIFE SAFETY CODE FOR WHICH THE PROJECT IS BEING PERMITTED UNDER. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION VERIFYING AT THE TIME OF FINAL INSPECTION THAT PRODUCTS ARE COMPLIANT WITH THE CODE REQUIREMENTS.
35. ALL WOOD LUMBER AND PLYWOOD OR O.S.B. USED IN EXTERIOR CONSTRUCTION SHALL BE PRESSURE TREATED THAT COMES IN CONTACT WITH CONCRETE OR WITHIN 12" OF GRADING/SOIL.
36. EMERGENCY LIGHTING COMPLYING WITH NFPA 101 LIFE SAFETY CODE SHALL BE INSTALLED. ADDITIONAL EMERGENCY LIGHTING MAY BE REQUIRED UPON FIELD INSPECTION.
37. THE CONTRACTOR SHALL PERMANENTLY IDENTIFY ALL FIRE-RATED WALLS AND SMOKE BARRIERS WITH SIGNS OR STENCILING ABOVE CEILING OR IN CONCEALED SPACES WITH LETTERS A MINIMUM OF 2" HIGH ON A CONTRASTING BACKGROUND SPACED AT A MAXIMUM OF 12'-0" ON CENTER WITH A MINIMUM OF ONE PER WALL OR BARRIER IN ACCORDANCE WITH CODE.
38. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SUBMIT DETAILS FOR REVIEW AND APPROVAL WHICH CLEARLY INDICATE LATERAL BRACING TO BUILDING STRUCTURE FOR ALL PARTITIONS OF LIGHT GAUGE METAL FRAMING WHICH EXCEED 9'-0" IN HEIGHT TO ADEQUATELY RESIST THE APPLICABLE LATERAL SEISMIC DESIGN FORCES PER CODE.
39. ALL COLD FORM METAL FRAMING SHOWN ON THE DRAWINGS IS FOR DIAGRAMMATIC USE ONLY. MEMBER SIZE, CONFIGURATION, DETAILS AND CONNECTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR'S COLD FORM METAL FRAMING ENGINEER. COLD FORM METAL FRAMING SHOP DRAWINGS, COMPLETE WITH CALCULATIONS, SHALL BE SIGNED AND SEALED BY THE COLD FORM METAL FRAMING ENGINEER IN THE STATE HAVING JURISDICTION OVER THE PROJECT AND SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
40. PROVIDE FIRE RETARDANT TREATED BLOCKING IN PARTITIONS AS REQUIRED FOR TYPE II CONSTRUCTION PER 603 IBC FOR SUPPORTING WALL MOUNTED EQUIPMENT ETC.
41. ELECTRICAL PANELS, ALARM BOXES, FIRE EQUIPMENT CABINETS AND OTHER SIMILARLY RECESSED BOXES GREATER THAN 16" THAT ARE LOCATED IN A RATED ASSEMBLY SHALL BE BACKED BY GYPSUM WALLBOARD LAYERS SUFFICIENT TO MAINTAIN THE DESIGNATED FIRE RATING. FIRE EQUIPMENT CABINETS MAY BE PROVIDED WITH A RATED CABINET TO MATCH THE MINIMUM DESIGNED ASSEMBLY RATING THEY ARE LOCATED WITHIN.
42. ATTIC ACCESS FROM AN ADJACENT SPACE SHALL BE PROVIDED WHERE THE BELOW ITEMS OCCUR OVER GYPSUM BOARD CEILINGS:
    A. VALVES
    B. FLOW MEASURING DEVICES
    C. MIXING BOXES
    D. POWER OPERATED DAMPERS
    E. ACCESS PANELS IN DUCTWORK
    F. VOLUME AND BALANCING DEVICES
    G. WATERFLOW SWITCHES
    H. SPRINKLER SYSTEM DRAINS AND TEST CONNECTIONS
    I. PRESSURE SWITCHES
    J. ANY OTHER SIMILAR RELATED ITEMS/DEVICES REQUIRING ACCESS FOR SERVICING OR MAINTENANCE
43. PATCH AND REPAIR ALL ITEMS DAMAGED OR ALTERED DURING CONSTRUCTION. ALL PATCHES SHALL BLEND WITH ADJACENT MATERIAL, COLOR, FINISH, AND TEXTURE. ALL EXISTING WORK FURNISHINGS, EQUIPMENT OR MATERIAL TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
44. SLOPE ALL SLABS AT EXTERIOR BUILDING ENTRANCES 1/8" FT AWAY FROM BUILDING IN ALL LOCATIONS.
45. ISOLATE DISSIMILAR METALS BY MEANS OF HEAVY BITUMINOUS COATING, APPROVED PAINT, ADHERED POLYETHYLENE SHEET, OR OTHER MEANS APPROVED OF BY THE ARCHITECT.
46. PRIME AND PAINT ALL STEEL LINTELS, HANDRAILS, AND ANY AND ALL OTHER INTERIOR OR EXTERIOR EXPOSED FERROUS METAL SURFACES NOT OTHERWISE INDICATED AS COATED OR PAINTED.
47. STRUCTURAL WORK, INCLUDING MATERIAL STRESSES AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE LATEST ADOPTED BUILDING CODE, OSHA AND GOVERNING AGENCIES HAVING JURISDICTION.
48. THE CONTRACTOR SHALL USE CONSTRUCTION METHODS THAT ARE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
49. THE CONTRACTOR SHALL MAINTAIN THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS, DEBRIS AND RUBBISH CAUSED BY OPERATIONS.
50. AFTER COMPLETION OF WORK ALL ADDITIONAL MATERIALS REMAINING DUE TO CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF/REMOVED FROM THE SITE IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS U.N.O. THE CONTRACTOR SHALL ALSO REMOVE ALL WASTE DEBRIS, RUBBISH, TOOLS, EQUIPMENT, AND SURPLUS MATERIALS UPON COMPLETION OF WORK. THROUGHOUT CONSTRUCTION THE SITE SHALL BE ORGANIZED AND CLEANED BY THE CONTRACTOR ON A DAILY BASIS.
51. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ALL SITE APPURTENANCES DAMAGED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
52. ANY MATERIAL SCHEDULED FOR DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS NOTED OTHERWISE AND SHALL BE DISPOSED OF LEGALLY BY THE CONTRACTOR.
53. THE CONTRACTOR SHALL REVIEW FLOOR FINISHES. ALL FINISHED FLOORS SHALL BE FLUSH TO ADJACENT FLOOR SYSTEMS WHETHER OR SIMILAR OR DISSIMILAR MATERIALS.
54. THE FLOOR LEVEL SHALL BE THE SAME ON BOTH SIDES OF ALL INTERIOR DOORS.
55. PROVIDE FLASHING AT ALL WINDOWS AND DOORS IN EXTERIOR WALLS THROUGHOUT. PROVIDE ALL WALL, BASE, CAP, THRU-WALL AND COUNTER FLASHING REQUIRED TO PREVENT ENTRANCE OF MOISTURE AND WATER INTO BUILDING.
56. ALL PENETRATIONS INTO OR THROUGHOUT EITHER A VERTICAL AND/OR HORIZONTAL FIRE RATED ASSEMBLY SHALL BE PROTECTED BY A FIRE-STOPPING ASSEMBLY LISTED BY A RECOGNIZED TESTING AGENCY.
57. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PRODUCT DATA, SAMPLES, AND SHOP DRAWINGS FOR SPECIFIED ITEMS. THESE ITEMS MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
58. COMPLETE SHOP DRAWINGS FOR ALL SPECIALITY ITEMS INCLUDED BUT NOT LIMITED TO ORNAMENTAL GUARDRAILS SHALL BE PROVIDED BY THE CONTRACTOR WITH SIGNATURE AND SEAL SIGNIFYING REVIEW AND APPROVAL BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA AND SHALL BE MADE AVAILABLE AT THE JOB SITE DURING TIMES OF CONSTRUCTION.
59. THE CONTRACTOR SHALL PROVIDE TEMPORARY FIRE EXTINGUISHERS DURING CONSTRUCTION AND PERMANENT FIRE EXTINGUISHERS INCLUDING AT ALL FIRE EXTINGUISHER CABINET LOCATIONS MARKED ON PLAN IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 10.
60. ALL FINAL MATERIAL FINISH SELECTIONS TO BE APPROVED BY OWNER PRIOR TO ORDERING.
61. INDICATED TELEVISION LOCATIONS ON PLAN SHALL BE PROVIDED WITH BLOCKING AS REQUIRED IN WALLS WITH OWNER'S FINAL FURNITURE, FIXTURES, AND EQUIPMENT PACKAGE. TV'S AND WALL BRACKETS ARE BY OWNER'S F.F.E. AND/OR RESIDENTS. CONTRACTOR SHALL CONFIRM FINAL BLOCKING REQUIREMENTS WITH OWNER PRIOR TO WALL COVER-UP.
62. SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SPECIAL INSPECTIONS AS REQUIRED BY IBC CHAPTER 17.
63. UNLESS DETERMINED BY THE "FIRE CODE OFFICIAL" THAT A RADIO COVERAGE SYSTEM IS NOT NEEDED FOR NEW BUILDINGS, THE GENERAL CONTRACTOR SHALL PROVIDE FOR IFC 510 TESTING AND PROVIDE SYSTEM AS REQUIRED BASED ON TEST DATA AND FIRE MARSHAL REQUIREMENTS.
64. THE CONTRACTOR SHALL SUBMIT CERTIFIED FIRE SUPPRESSION AND FIRE ALARM DOCUMENTS TO FIRE MARSHAL FOR APPROVAL PRIOR TO PROCEEDING WITH ANY WORK.
65. COORDINATE LOCATION OF UTILITY METERS WITH SITE PLAN, MINIMIZE VISUAL IMPACT OF METERS BY KEEPING THEM AS LOW AS POSSIBLE.

ALPHA BLDG SET 06-18-2026

COMcheck Software Version COMcheckWeb
Envelope Compliance Certificate

Project Information

Energy Code:	2015 IECC
Project Title:	25-038 Peach State Construction Office
Location:	Covington, Georgia
Climate Zone:	3a
Project Type:	New Construction
Vertical Glazing / Wall Area:	13%

Construction Site:
265 PIPER ROAD
COVINGTON, Georgia 30114

Owner/Agent:
PEACH STATE CONSTRUCTION CO.
7260 WILLIAMS BROTHERS DR
COVINGTON, Georgia 30014
404 886-4954

Designer/Contractor:
Kevin Whipple
CSC Design, Inc.
135 P. Rickman Industrial Drive,
Suite 100
Canton, Georgia 30115
770 345-2579
kwhipple@cscde.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Enhanced Interior Lighting Controls, 1.0 credit

Building Area	Floor Area
1-Office : Nonresidential	5587

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof R25+R19: Other Metal Building Roof, 3-Year-Aged Solar Reflectance = 77.00, Thermal Emittance = 0.80 (d), [Bldg. Use 1 - Office] (b)	5587	---	---	0.029	0.035
NORTH					
Ext. Wall R-13: Other Metal Building Wall, [Bldg. Use 1 - Office] (b)	1497	---	---	0.113	0.079
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID solarbronze + 1/2 air + solarban 70, SHGC 0.25, [Bldg. Use 1 - Office] (c)	45	---	---	0.280	0.460
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID solarbronze + 1/2 air + solarban 70, SHGC 0.25, PF 1.00, [Bldg. Use 1 - Office] (c)	30	---	---	0.280	0.460
Glass Overhead Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID 1/4" solarbronze + 1/2" air + 1/4" solarban 70, SHGC 0.25, PF 1.00, [Bldg. Use 1 - Office] (c)	64	---	---	0.280	0.600
EAST					
Ext. Wall R-13: Other Metal Building Wall, [Bldg. Use 1 - Office] (b)	1432	---	---	0.113	0.079
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID solarbronze + 1/2 air + solarban 70, SHGC 0.25, [Bldg. Use 1 - Office] (c)	90	---	---	0.280	0.460
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID solarbronze + 1/2 air + solarban 70, SHGC 0.25, PF	120	---	---	0.280	0.460

Project Title: 25-038 Peach State Construction Office
Data filename:
Report date: 02/16/26
Page 1 of 8

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
1.00, [Bldg. Use 1 - Office] (c)					
SOUTH					
Ext. Wall R-13: Other Metal Building Wall, [Bldg. Use 1 - Office] (b)	1497	---	---	0.113	0.079
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID solarbronze + 1/2 air + solarban 70, SHGC 0.25, [Bldg. Use 1 - Office] (c)	30	---	---	0.280	0.460
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID solarbronze + 1/2 air + solarban 70, SHGC 0.25, PF 1.00, [Bldg. Use 1 - Office] (c)	45	---	---	0.280	0.460
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID solarbronze + 1/2 air + solarban 70, SHGC 0.25, PF 1.00, [Bldg. Use 1 - Office] (c)	94	---	---	0.280	0.460
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID 1/4" solarbronze + 1/2" air + 1/4" solarban 70, SHGC 0.25, PF 1.00, [Bldg. Use 1 - Office] (c)	49	---	---	0.280	0.770
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID solarbronze + 1/2 air + solarban 70, SHGC 0.25, [Bldg. Use 1 - Office] (c)	118	---	---	0.280	0.460
WEST					
Ext. Wall R-13: Other Metal Building Wall, [Bldg. Use 1 - Office] (b)	1477	---	---	0.113	0.079
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID solarbronze + 1/2 air + solarban 70, SHGC 0.25, [Bldg. Use 1 - Office] (c)	90	---	---	0.280	0.460

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) 'Other' components require supporting documentation for proposed U-factors.
(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(d) High albedo roof requirement options: 1) 3-year aged solar reflectance >= 0.55 thermal emittance >= 0.75, 2) 3-year aged solar reflectance index >= 64.0, 3) Initial year aged solar reflectance >= 0.70 thermal emittance >= 0.75, 4) Initial year aged solar reflectance index >= 82.0.

Envelope PASSES: Design 2% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kevin Whipple, RA — Name - Title
Signature
02/16/2026 — Date

Project Title: 25-038 Peach State Construction Office
Data filename:
Report date: 02/16/26
Page 2 of 8

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
SUITE 100 CANTON, GA 30115
Phone: (770) 345-2579

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014586
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

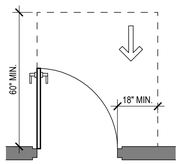
GENERAL NOTES & COMCHECK

G-006

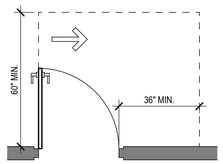
ISSUED FOR CONSTRUCTION

Y:\Projects\25-038 Peach State Construction Office_Covington, GA\Arch\00 REVIT\25-038 Peach State Construction Office.rvt

4/28/2026 4:12:49 PM



A. FRONT APPROACH, PULL SIDE



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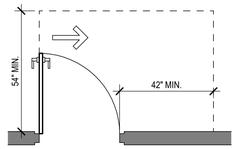

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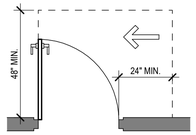

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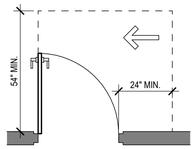

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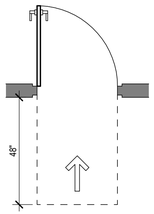

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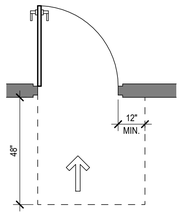

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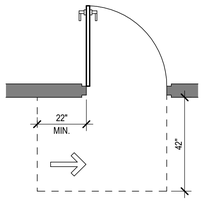

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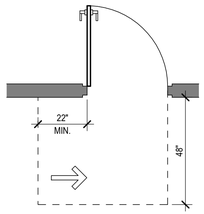
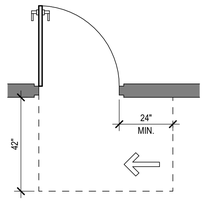
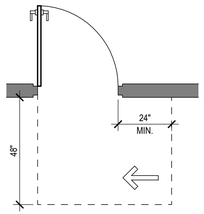


I. HINGE APPROACH W/ CLOSER, PUSH SIDE

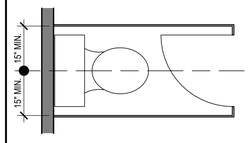


J. LATCH APPROACH, PUSH SIDE

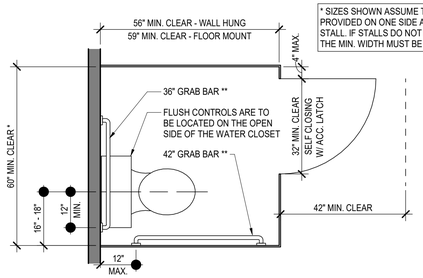


K. LATCH APPROACH W/ CLOSER, PUSH SIDE

ANSI 117.1-2010 §404.2.4 - MANEUVERING CLEARANCE AT SWING DOORS

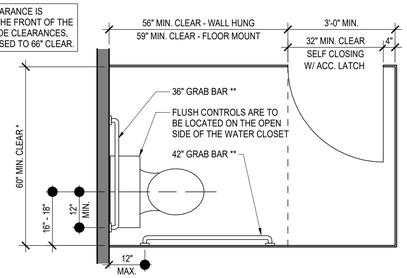


STANDARD TOILET COMPARTMENT
2024 IPC §405.3.1

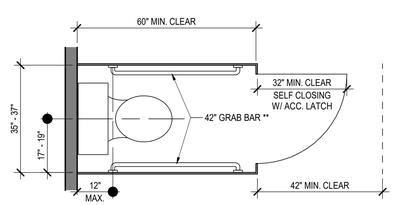


* SIZES SHOWN ASSUME TOE CLEARANCE IS PROVIDED ON ONE SIDE AND AT THE FRONT OF THE STALL. IF STALLS DO NOT HAVE TOE CLEARANCES, THE MIN. WIDTH MUST BE INCREASED TO 66" CLEAR.

ACCESSIBLE TOILET COMPARTMENT
ADA 2010 §604.8.1



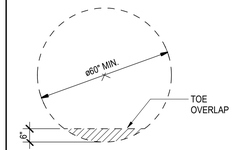
LARGE ACCESSIBLE TOILET COMPARTMENT
ADA 2010 §604.8.1



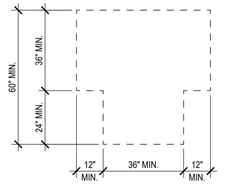
** ALL GRAB BARS TO BE CAPABLE OF SUPPORTING 250 LB. LOAD. REINFORCE PARTITION WALLS AS REQ.

AMBULATORY TOILET COMPARTMENT
ADA 2010 §604.8.2

ADA 2010 §304.3 - TURNING CLEARANCE

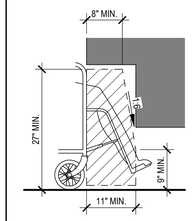


CIRCULAR TURNING CLEARANCE

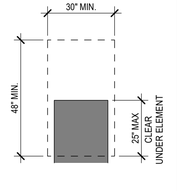


"T" SHAPED TURNING CLEARANCE

ADA 2010 §306.3 - KNEE CLEARANCE

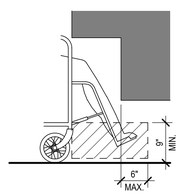


ELEVATION

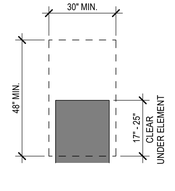


PLAN

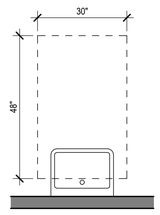
ADA 2010 §306.2 - TOE CLEARANCE



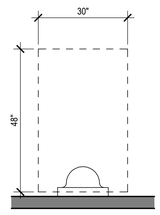
ELEVATION



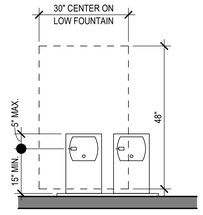
PLAN



LAVATORY
ADA 2010 §606.2



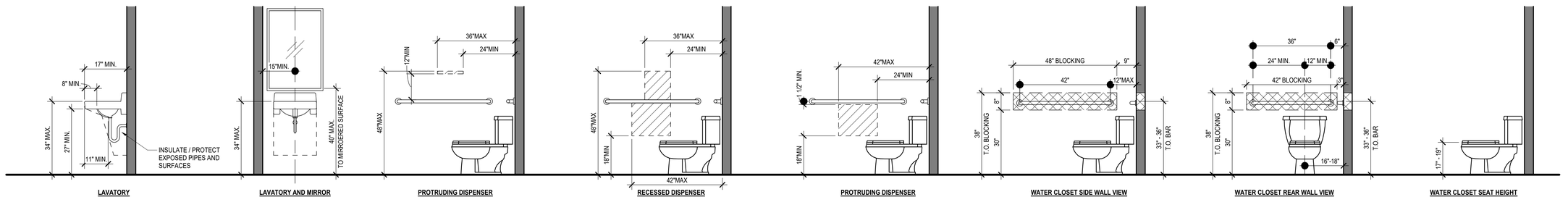
URINAL
ADA 2010 §605.3



HI-LOW DRINKING FOUNTAIN
ADA 2010 §602.2 & 602.5

STANDARD CLEARANCES

ALPHA BLDG SET 06-18-2026



LAVATORY
ADA 2010 §606.3 & 606.5

LAVATORY AND MIRROR
2024 IPC §405.3.1
ADA 2010 §603.3

PROTRUDING DISPENSER ABOVE GRAB BAR
ANSI 117.1-2017 604.7.1

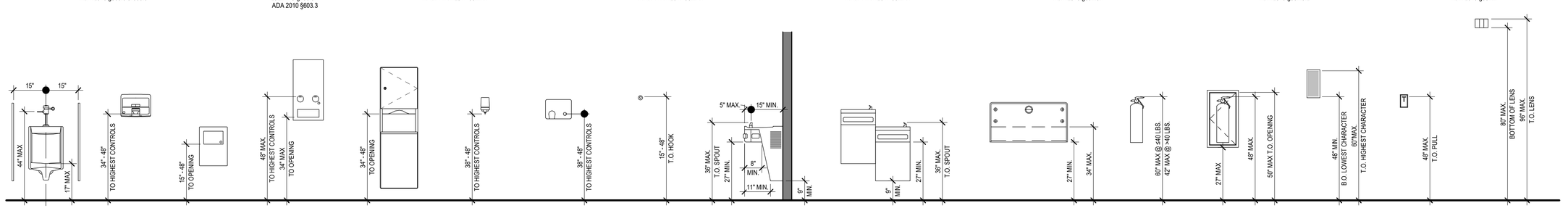
RECESSED DISPENSER
ANSI 117.1-2017 604.7.1

PROTRUDING DISPENSER BELOW GRAB BAR
ANSI 117.1-2017 604.7.1

WATER CLOSET SIDE WALL VIEW
ADA 2010 §604.5.1

WATER CLOSET REAR WALL VIEW
ADA 2010 §604.5.2

WATER CLOSET SEAT HEIGHT
ADA 2010 §604.4



URINAL
2024 IPC §405.3.1
ADA 2010 §605.2

TOILET SEAT COVERS
ADA 2010 §308.3.2

SANITARY NAPKIN DISPOSAL
ADA 2010 §308.3.1

SANITARY NAPKIN DISPENSER
ADA 2010 §308.3.2

RECESSED WASTE DISPENSER
ADA 2010 §308.3.2

SOAP DISPENSER
ADA 2010 §307.2 & 308.2.2

AIR HAND DRYER
ADA 2010 §307.2 & 308.2.2

COAT/ROBE HOOK
ADA 2010 §308.3.1

LOW DRINKING FOUNTAIN
ADA 2010 §306.3 & 602.5

HI-LOW DRINKING FOUNTAIN
ADA 2010 §306.3 & 602.4

BABY CHANGING STATION
ADA 2010 §306.3 & 902.3

FIRE EXTINGUISHER WALL MOUNT
NFPA 10 §6.1.3.8.1

FIRE EXTINGUISHER CABINET
ADA 2010 §307.2 & 308.2.1
NFPA 10 §6.1.3.10.5

SIGNAGE
SEE SHEET G-060

FIRE ALARM PULL
ADA 2010 §308.2.1

VISUAL STROBE
ADA 2010 §702.1
NFPA 72 §18.5.5

MOUNTING HEIGHTS

CSC DESIGN, INC.
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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014686
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

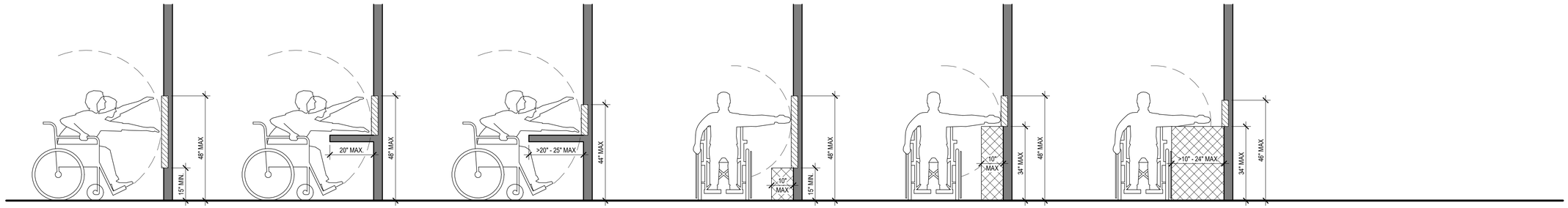
REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

ACCESSIBLITY DETAILS

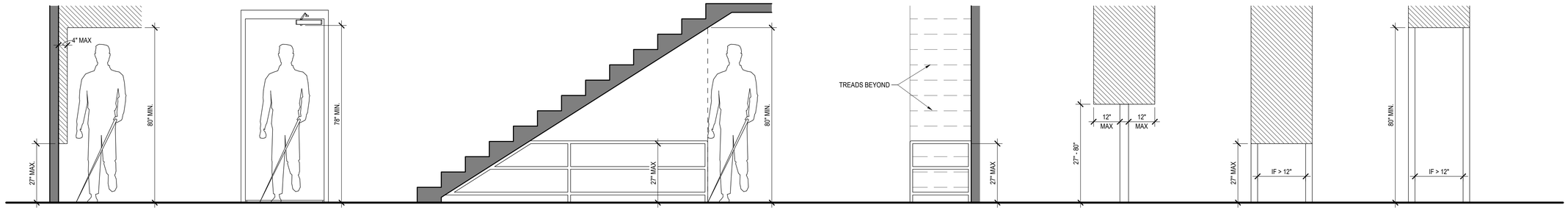
G-050

ISSUED FOR CONSTRUCTION



UNOBSTRUCTED FORWARD REACH | OBSTRUCTED HIGH REACH AT 20" MAX OBSTRUCTION | OBSTRUCTED HIGH REACH AT >20" TO 25" OBSTRUCTION | UNOBSTRUCTED SIDE REACH | OBSTRUCTED SIDE REACH AT 10" MAX OBSTRUCTION | OBSTRUCTED SIDE REACH AT >10" TO 24" OBSTRUCTION

ADA 2010 §308 - REACH RANGES



LIMITS OF PROTRUDING OBJECTS | VERTICAL CLEARANCE DOOR CLOSER EXCEPTION | VERTICAL CLEARANCE BARRIER RAIL UNDER STAIRS SIDE ELEVATION | VERTICAL CLEARANCE BARRIER RAIL UNDER STAIRS REAR ELEVATION | POST-MOUNTED PROTRUDING OBJECT | PROTRUDING OBJECT BETWEEN POSTS | PROTRUDING OBJECT BETWEEN POSTS

ADA 2010 §307 - PROTRUDING OBJECTS DETAILS

ALPHA BLDG SET 06-18-2026

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014589
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

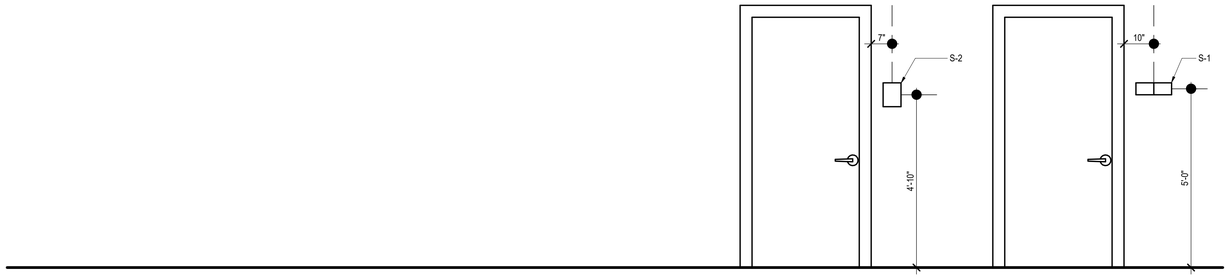
PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

ACCESSIBLITY DETAILS

G-051

ISSUED FOR CONSTRUCTION



2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

703 SIGNS

703.1 GENERAL. SIGNS SHALL COMPLY WITH 703. WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED.

703.2 RAISED CHARACTERS. RAISED CHARACTERS SHALL COMPLY WITH 703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH 703.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH 703.4.

703.2.1 DEPTH. RAISED CHARACTERS SHALL BE 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR BACKGROUND.

703.2.2 CASE. CHARACTERS SHALL BE UPPERCASE.

703.2.3 STYLE. CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.2.4 CHARACTER PROPORTIONS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

703.2.5 CHARACTER HEIGHT. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".

EXCEPTION: WHERE SEPARATE RAISED AND VISUAL CHARACTERS WITH THE SAME INFORMATION ARE PROVIDED, RAISED CHARACTER HEIGHT SHALL BE PERMITTED TO BE 1/2 INCH (13 MM) MINIMUM.

703.2.6 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

703.2.7 CHARACTER SPACING. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16 INCH (1.6 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8 INCH (9.5 MM) MINIMUM.

703.2.8 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.

703.3 BRAILLE. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH 703.3 AND 703.4.

703.3.1 DIMENSIONS AND CAPITALIZATION. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.

703.3.2 POSITION. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH (9.5 MM) MINIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH (9.5 MM) MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/16 INCH (4.8 MM) MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

703.4 INSTALLATION HEIGHT AND LOCATION. SIGNS WITH TACTILE CHARACTERS SHALL COMPLY WITH 703.4.

703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1220 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES (1525 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.

EXCEPTION: TACTILE CHARACTERS FOR ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY WITH 703.4.1.

703.4.2 LOCATION. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES (455 MM) MINIMUM BY 18 INCHES (455 MM) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

703.5 VISUAL CHARACTERS. VISUAL CHARACTERS SHALL COMPLY WITH 703.5.

EXCEPTION: WHERE VISUAL CHARACTERS COMPLY WITH 703.2 AND ARE ACCOMPANIED BY BRAILLE COMPLYING WITH 703.3, THEY SHALL NOT BE REQUIRED TO COMPLY WITH 703.5.2 THROUGH 703.5.9.

703.5.1 FINISH AND CONTRAST. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

703.5.2 CASE. CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.

703.5.3 STYLE. CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.5.4 CHARACTER PROPORTIONS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

703.5.5 CHARACTER HEIGHT. MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I".

703.5.6 HEIGHT FROM FINISH FLOOR OR GROUND. VISUAL CHARACTERS SHALL BE 40 INCHES (1015 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

EXCEPTION: VISUAL CHARACTERS INDICATING ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY WITH 703.5.6.

703.5.7 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 30 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

703.5.8 CHARACTER SPACING. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10 PERCENT MINIMUM AND 35 PERCENT MAXIMUM OF CHARACTER HEIGHT.

703.5.9 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.

703.6 PICTOGRAMS. PICTOGRAMS SHALL COMPLY WITH 703.6.

703.6.1 PICTOGRAM FIELD. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES (150 MM) MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.

703.6.2 FINISH AND CONTRAST. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD.

703.6.3 TEXT DESCRIPTORS. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTORS SHALL COMPLY WITH 703.2, 703.3 AND 703.4.

703.7 SYMBOLS OF ACCESSIBILITY. SYMBOLS OF ACCESSIBILITY SHALL COMPLY WITH 703.7.

703.7.1 FINISH AND CONTRAST. SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.

FLOOR LEVEL EXIT SIGNS

2024 INTERNATIONAL BUILDING CODE

SECTION 1013 - EXIT SIGNS

1013.3 ILLUMINATION
EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED.

EXCEPTION: TACTILE SIGNS REQUIRED BY SECTION 1013.4 NEED NOT BE PROVIDED WITH ILLUMINATION.

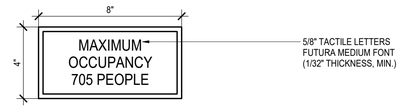
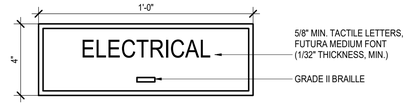
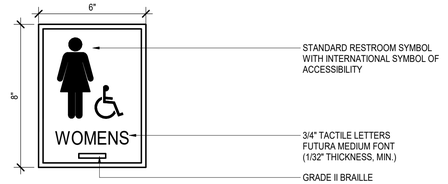
1013.4 RAISED CHARACTER AND BRAILLE EXIT SIGNS
A SIGN STATING EXIT IN VISUAL CHARACTERS, RAISED CHARACTERS AND BRAILLE AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, PROVIDING DIRECT ACCESS TO A STAIRWAY, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY OR RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.

1013.5 INTERNALLY ILLUMINATED EXIT SIGNS
ELECTRICALLY POWERED, SELF-LUMINOUS AND PHOTOLUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CHAPTER 27. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.

SIGNAGE NOTES

1. CONTRACTOR SHALL GENERATE AND SUBMIT A SIGN SCHEDULE AND SIGNAGE LOCATION PLANS FOR REVIEW AND APPROVAL.
2. SIGNAGE VENDOR TO VERIFY THAT ALL SIGNS COMPLY WITH CURRENT ADA GUIDELINES.
3. ALL WALL-MOUNTED SIGNS TO BE MOUNTED IN ACCORDANCE WITH ADA.
4. ALL DIMENSIONS TO BE FIELD VERIFIED PRIOR TO FABRICATION.
5. SIGNAGE VENDOR TO VERIFY ALL SIGNS REQUIRED TO MEET APPLICABLE CODES, LAWS, ETC. AND COMPLY WITH SAID CODES, LAWS, ETC.
6. SIGNAGE VENDOR TO VERIFY ALL SPELLING PRIOR TO FABRICATION AND INSTALLATION.
7. SIGNAGE VENDOR TO VERIFY THAT ALL SIGNS AESTHETICALLY COMPLY WITH CURRENT BRAND STANDARDS. NOTIFY ARCHITECT OF ANY DEVIATIONS FROM BRAND STANDARDS PRIOR TO FABRICATION AND INSTALLATION.

SIGNAGE LEGEND

SIGN TYPE	LOCATION NOTES
	
 **S-1** 12" X 4" ROOM ID 1/8" THICK ACRYLIC FACE, FROSTED WHITE 1/8" THICK PVC BACK, OFFSET 1/4"	1. LOCATE AT EACH ROOM ENTRY, ACCESSIBLE TO PUBLIC
 **S-2** 6" X 8" RESTROOM ID 1/8" THICK ACRYLIC FACE, FROSTED WHITE 1/8" THICK PVC BACK, OFFSET 1/4"	1. LOCATE AT EACH PUBLIC RESTROOM

ALPHA BLDG SET 06-18-2026

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014586
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

CODE REQUIRED SIGNAGE

G-060

ISSUED FOR CONSTRUCTION

CSC.2024.01.007

FUNCTION/USE LEGEND

- BUSINESS
- BUSINESS - COLLAB
- STORAGE
- UNCONCENTRATED

1 LIFE SAFETY PLAN
LS101 | 3/16" = 1'-0"

ALPHA BLDG SET 06-18-2026

LIFE SAFETY LEGEND

EXIT TRAVEL DISTANCE

TOTAL TRAVEL DISTANCE	COMMON PATH (PART OF TD)	UNIT TRAVEL DISTANCE	DEAD END LENGTH
TD1: 100'-0"	CP1: 100'-0"	UT1: 100'-0"	DE1: 100'-0"

EXIT DATA

EXIT 1 | 100 | 100

- EXIT NUMBER
- STAIR EGRESS CAPACITY
- DOOR EGRESS CAPACITY

- 34" — DOOR EGRESS WIDTH
- EMERGENCY FIXTURE - SEE ELECTRICAL DRAWINGS.
- EXIT LIGHT - SEE ELECTRICAL DRAWINGS
- FE — FIRE EXTINGUISHER
- FE — FIRE EXTINGUISHER CABINET

LIFE SAFETY GENERAL NOTES

1. REFER TO PARTITION TYPES SCHEDULE FOR PARTITION TYPE DETAILS AND TESTED RATED ASSEMBLY DETAILS.

LIFE SAFETY KEYNOTES (LS)

AS	ACCESSORY STORAGE
NO SEPERATION; IBC 508.2.4	

TRAVEL DISTANCE

NEW BUSINESS OCCUPANCY [SPRINKLERED]	
LSC CHAPTER 38, IBC CHAPTER 3 GROUP B (BUSINESS) OCCUPANCY	
TRAVEL DISTANCE 300' MAX; LSC 38.2.6.3	
COMMON PATH 100'; LSC 38.2.5.2.1	
DEAD END LIMIT 50'; LSC 38.2.5.3.1	

OCCUPANCY USE SCHEDULE

FUNCTION/USE	AREA	FACTOR	CALCULATED OCCUPANT LOAD	ACTUAL OCCUPANT OVERRIDE	DESIGN OCCUPANT LOAD
BUSINESS					
BUSINESS	2,706.51 SF	150 GROSS	17	0	17
BUSINESS - COLLAB	418.77 SF	30 GROSS	14	0	14
STORAGE	278.00 SF	500 GROSS	1	0	1
UNCONCENTRATED	530.21 SF	15 NET	36	0	36
TOTAL OCCUPANT LOAD	3,933.49 SF		68	0	68

EGRESS CAPACITY:

OCCUPANT TOTAL	NUMBER OF EXITS		HORIZONTAL: 0.2/OCC		STAIRWAY: 0.3/OCC	
	MIN. REQ.	PROVIDED	MIN. REQ.	PROVIDED	MIN. REQ.	PROVIDED
68	2	2	14"	103"	N/A	N/A

PLUMBING FIXTURE COUNT SCHEDULE:

WATER CLOSETS						LAVATORIES					BATH / SHOWER		DRINKING FOUNTAINS	
MALE			FEMALE		SINGLE USER	MALE		FEMALE		SINGLE USER				
MIN. REQ.	W.C. PROVIDED	URINALS PROVIDED	MIN. REQ.	PROVIDED	PROVIDED	MIN. REQ.	PROVIDED	MIN. REQ.	PROVIDED	PROVIDED	MIN. REQ.	PROVIDED	MIN. REQ.	PROVIDED
2	2	0	2	2	2	1	2	1	2	2	N/A	N/A	1	2

PLUMBING FIXTURE REQUIREMENTS SCHEDULE

PLUMBING FIXTURE COUNT	AREA	CALCULATED OCCUPANT LOAD	ACTUAL OCCUPANT OVERRIDE	DESIGN OCCUPANT LOAD	WATER CLOSETS			LAVATORIES		DRINKING FOUNTAIN
					MALE		FEMALE	MALE	FEMALE	
					COUNT	URINAL COUNT	COUNT	COUNT	COUNT	COUNT
LEVEL 01										
10 - BUSINESS	3,655.49 SF	67	0	67	1.34	0.67	1.34	0.84	0.84	0.67
27 - STORAGE	278.00 SF	1	0	1	0.01	0.00	0.01	0.01	0.01	0.00
	3,933.49 SF	68	0	68	1.35	0.67	1.35	0.84	0.84	0.67

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014686
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

LIFE SAFETY PLAN

LS101

ISSUED FOR CONSTRUCTION

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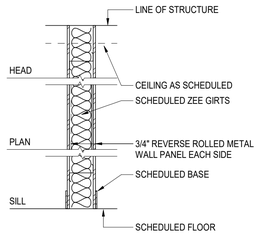
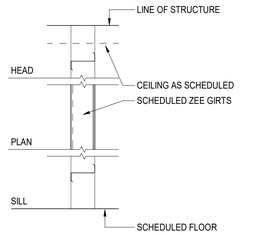
PARTITION TYPES



ZP

WALL TYPE	FIRE RATING	STC RATING	STUD WIDTH	ASSEMBLED WIDTH	TESTED ASSEMBLY



ZM

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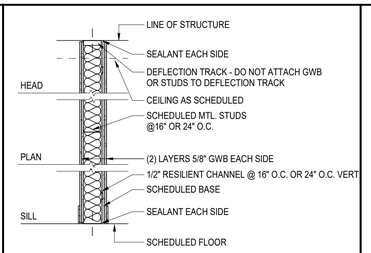
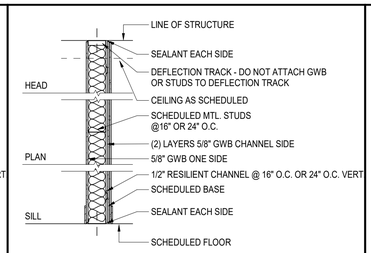


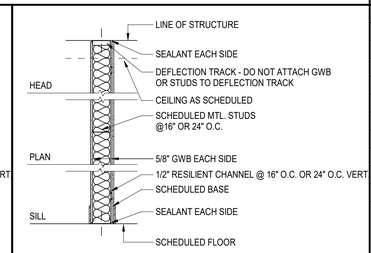
MH

WALL TYPE	FIRE RATING	STC RATING	STUD WIDTH	ASSEMBLED WIDTH	TESTED ASSEMBLY



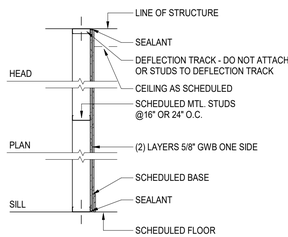
MG

WALL TYPE	FIRE RATING	STC RATING	STUD WIDTH	ASSEMBLED WIDTH	TESTED ASSEMBLY



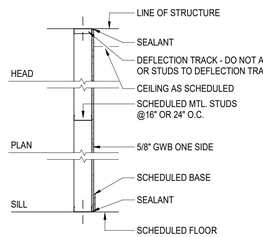
MF

WALL TYPE	FIRE RATING	STC RATING	STUD WIDTH	ASSEMBLED WIDTH	TESTED ASSEMBLY



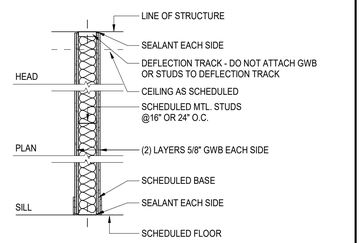
ME

WALL TYPE	FIRE RATING	STC RATING	STUD WIDTH	ASSEMBLED WIDTH	TESTED ASSEMBLY



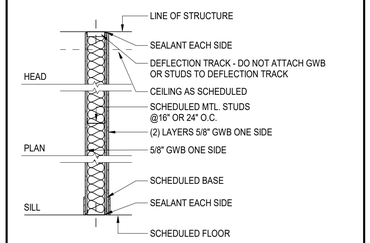
MD

WALL TYPE	FIRE RATING	STC RATING	STUD WIDTH	ASSEMBLED WIDTH	TESTED ASSEMBLY
0-MD4	0	-	3 5/8"	4 1/4"	-



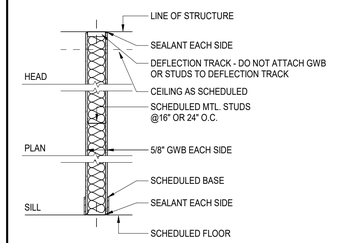
MC

WALL TYPE	FIRE RATING	STC RATING	STUD WIDTH	ASSEMBLED WIDTH	TESTED ASSEMBLY



MB

WALL TYPE	FIRE RATING	STC RATING	STUD WIDTH	ASSEMBLED WIDTH	TESTED ASSEMBLY



MA

WALL TYPE	FIRE RATING	STC RATING	STUD WIDTH	ASSEMBLED WIDTH	TESTED ASSEMBLY
0-MA4	0	-	3 5/8"	4 7/8"	-
0-MA6	0	-	6"	7 1/4"	-

PARTITION LEGEND

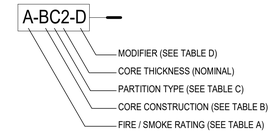


TABLE A - FIRE / SMOKE RATING	
0	NON-RATED CONSTRUCTION
S	NON-RATED SMOKE PARTITION; FRAMING & GWB TO STRUCTURE ABOVE & SPACE AROUND PENETRATING ITEMS TO BE FILLED W/ APPROVED MATERIAL TO LIMIT PASSAGE OF SMOKE; COMPLY WITH 2018 IBC SECTION 710
1	1-HOUR FIRE RATED; FRAMING & GWB TO STRUCTURE / THERMAL INSULATION PER UL REQUIREMENTS
2	2-HOUR FIRE RATED; FRAMING & GWB TO STRUCTURE / THERMAL INSULATION PER UL REQUIREMENTS
3	3-HOUR FIRE RATED; FRAMING & GWB TO STRUCTURE / THERMAL INSULATION PER UL REQUIREMENTS

TABLE C - PARTITION TYPE	
A	(1) LAYER GYP. EACH SIDE
B	(1) LAYER GYP. ONE SIDE; (2) LAYERS OTHER SIDE
C	(2) LAYERS GYP. EACH SIDE
D	(1) LAYER GYP. ONE SIDE
E	(2) LAYERS GYP. ONE SIDE
F	(1) LAYER GYP. EACH SIDE, RESILIENT CHANNEL
G	(1) LAYER GYP. ONE SIDE, (2) LAYERS RESILIENT CHANNEL SIDE
H	(2) LAYERS GYP. EACH SIDE, RESILIENT CHANNEL
J	(1) LAYER GYP. EACH SIDE, SHEATHING
K	(1) LAYER GYP. ONE SIDE, (2) LAYERS SHEATHING SIDE
L	(2) LAYERS GYP. EACH SIDE, SHEATHING
M	EXPOSED CORE
P	(1) LAYER METAL WALL PANEL EACH SIDE

TABLE B - CORE CONSTRUCTION	
C	CONCRETE - CAST-IN-PLACE
D	DEMISING
L	SPECIAL
M	METAL
P	PRE-CAST CONCRETE
S	SHAFT LINER
T	STONE
U	MASONRY UNIT
W	WOOD
Z	Z-FURRING

TABLE D - MODIFIERS	
A	PARTIAL HEIGHTS PARTITION / FRAMING & GWB TO X'-0" A.F.F. (SEE BLDG. DETAILS)
B	FRAMING & GWB TO FINISHED CEILING / PROVIDE BRACING AS REQUIRED
C	"B" W/ 3" SOUND ATTENUATION BLANKETS (SAB) & 4' WIDE SAB ABOVE CEILING CENTERED ON PARTITION
D	FRAMING & GWB TO 4" ABOVE CEILING / PROVIDE BRACING AS REQ. OR EXTEND STUDS TO STRUCTURE ABOVE
E	"D" W/ 3" SOUND ATTENUATION BLANKETS (SAB) & 4' WIDE SAB ABOVE CEILING CENTERED ON PARTITION
F	FRAMING & GWB TO STRUCTURE U.N.O. PROVIDE SOUND ATTENUATION BATTS FRICTION FIT IN STUD CAVITY.
G	FRAMING & GWB TO FINISHED CEILING INSIDE RESTROOM. OFFICE SIDE, FRAMING & GWB TO T/DUST CAP W/ SOUND ATTENUATION BATTING.

PARTITION NOTES

1. CONTRACTOR SHALL ADJUST STUD GAUGE AND/OR SPACING AND BRACE AS NECESSARY SO AS NOT TO EXCEED L/240 DESIGN CRITERIA.
2. PROVIDE RATED WALLS ACCORDING TO THE FULL REQUIREMENTS OF THE INDICATED TEST NUMBER.
3. PROVIDE IN-WALL BLOCKING FOR MILLWORK, ARTWORK, FURNISHINGS, HARDWARE, WALL STOPS, TOILET ACCESSORIES, GRAB BARS, CLOSET RODS, HANDRAILS, WALL BUMPERS, MODULAR OFFICE WALLS, ETC.
4. REFER TO STRUCTURE FOR BEARING / NON-BEARING CONDITION WHEN THERE IS DISCREPANCY.
5. PROVIDE CONTINUOUS FIRESTOP AT TOP, BOTTOM, AND ENDS OF FIRE-RATED PARTITIONS AND AT ALL PENETRATIONS. PROVIDE RED COLOR IF DICTATED BY AUTHORITY HAVING JURISDICTION.
6. ALL FIRE-RATED WALLS AND SMOKE BARRIERS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE CEILING OR IN CONCEALED SPACES WITH LETTERS A MINIMUM OF 2" HIGH ON A CONTRASTING BACKGROUND SPACED AT A MAXIMUM OF 12' - 0" O.C. WITH A MINIMUM OF ONE PER WALL OR BARRIER IN ACCORDANCE WITH 2024 INTERNATIONAL FIRE CODE, 120-3-3 CHAPTER 5 OF THE RULES AND REGULATIONS OF THE FIRE SAFETY COMMISSIONER.

   SUGGESTED WORDING: "(#) HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS"

   APPLY LETTERING TO BOTH SIDES OF WALLS.
7. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON STRUCTURAL REINFORCEMENT OF WALLS INCLUDING BUT NOT LIMITED TO PARTIAL HEIGHT WALLS, BRACING, REINFORCING, BOND BEAMS AND GROUT FILLING OF C.M.U. CORES.
8. AT ALL RESTROOMS, OFFICES AND SIMILAR SPACES, PROVIDE BACKLOADED SCHEDULED CEILING W/ SOUND BATT INSULATION A MINIMUM OF 4' - 0" ALONG EACH SIDE OF SCHEDULED PARTITIONS (TYP.)
9. STAGGER ELECTRICAL OUTLETS 12" MINIMUM AT ALL PARTITIONS.
10. ALL VERTICAL PIPING EXPOSED IN ROOMS SHALL BE FURRED WITH SAME MATERIAL AS ADJACENT WALLS. EXCEPTIONS ARE: MECHANICAL ROOMS, ELECTRICAL ROOMS, TELEPHONE ROOMS.
11. METAL STUD PARTITIONS BEHIND ALL PLUMBING AND OTHER FIXTURES SHALL BE BRACED TO STRUCTURE WHERE REQUIRED TO SUPPORT THE EQUIPMENT PROVIDED.

ALPHA BLDG SET 06-18-2026

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014589
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
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PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

METAL STUD PARTITION TYPES

G-220

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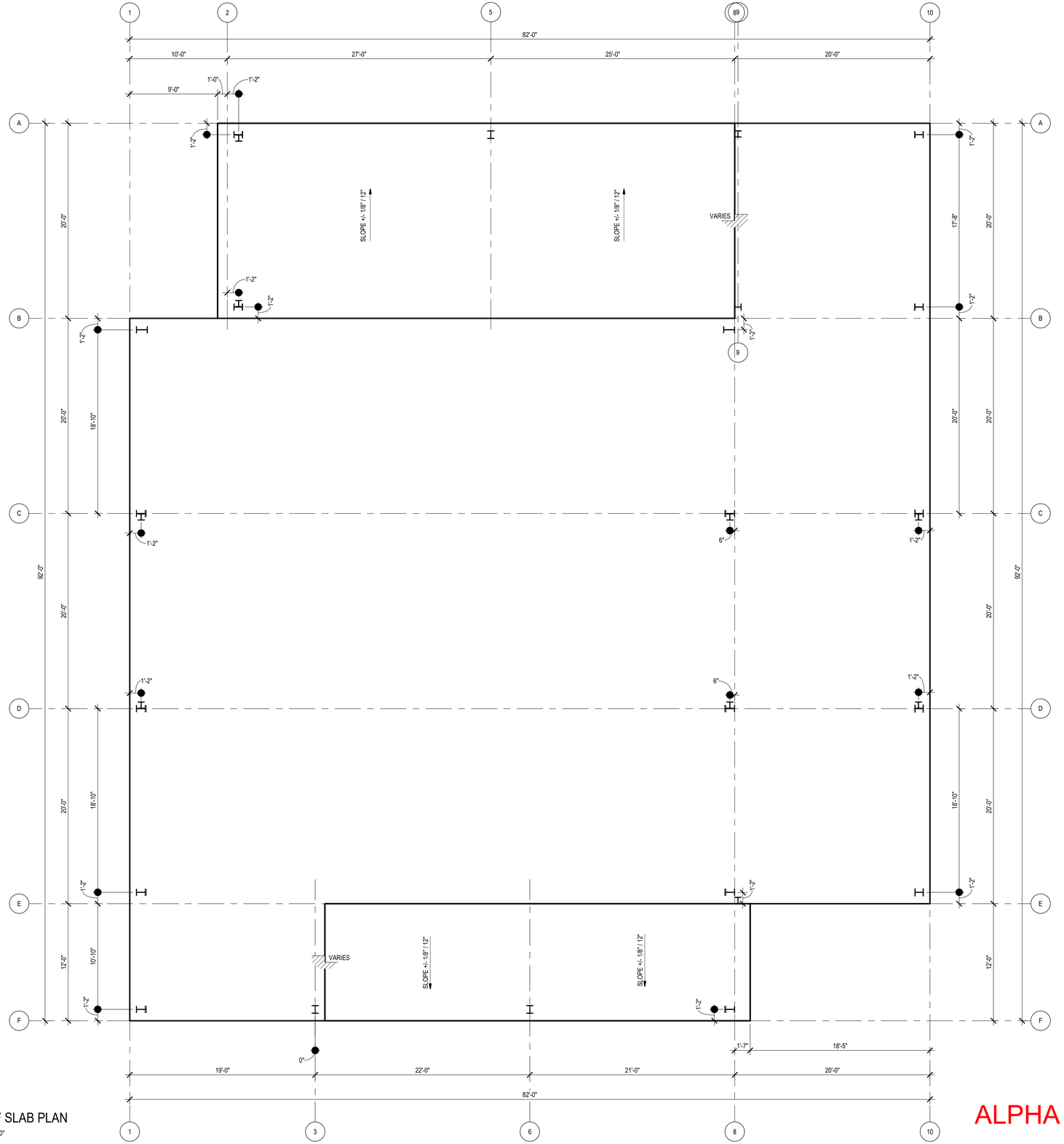

1 EDGE OF SLAB PLAN
AS101 | 3/16" = 1'-0"

SLAB EDGE PLAN LEGEND

- FLOOR DRAIN
- SLOPE TO DRAIN
- SLAB SLOPE
- X'-X" LEVEL CHANGE - BEVELED
- X'-X" LEVEL CHANGE - STEP
- X'-X" LEVEL CHANGE - STEP W/ SLOPE

SLAB EDGE NOTES

1. ACTUAL REFERENCE LEVELS VARY. REFER TO CIVIL PLANS FOR ACTUAL TOP-OF-SLAB REFERENCE ELEVATIONS.
2. SEE BUILDING DETAILS AND STRUCTURAL DETAILS FOR ADDITIONAL INFORMATION FOR SLAB EDGE DETAILS.
3. SLOPE TOP OF SLAB TO DRAIN AS INDICATED
4. PROVIDE MEMBRANE WATERPROOFING SYSTEM W/ DRAINAGE SYSTEM AT FOUNDATION PERIMETER TIED INTO STORM SYSTEM.
5. PROVIDE CONTINUOUS FOUNDATION DRAINAGE SYSTEM AT FOUNDATION PERIMETER TIED INTO STORM SYSTEM.

ALPHA BLDG SET 06-18-2026

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014886
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
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PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

EDGE OF SLAB & PENETRATION PLAN

AS101

ISSUED FOR CONSTRUCTION

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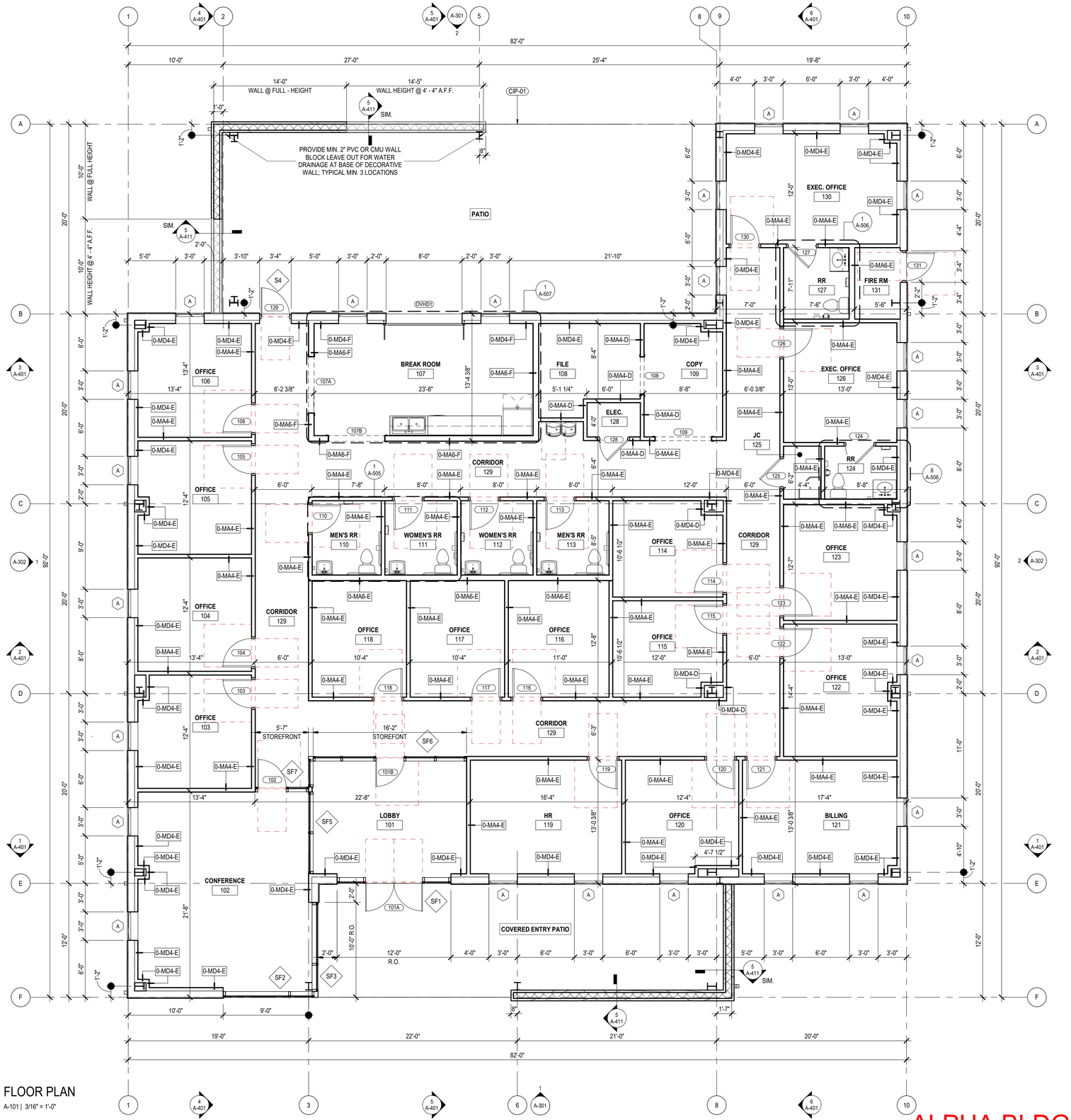

1 FLOOR PLAN
A-101 | 3/16" = 1'-0"

ALPHA BLDG SET 06-18-2026

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COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

FLOOR PLAN

A-101

ISSUED FOR CONSTRUCTION

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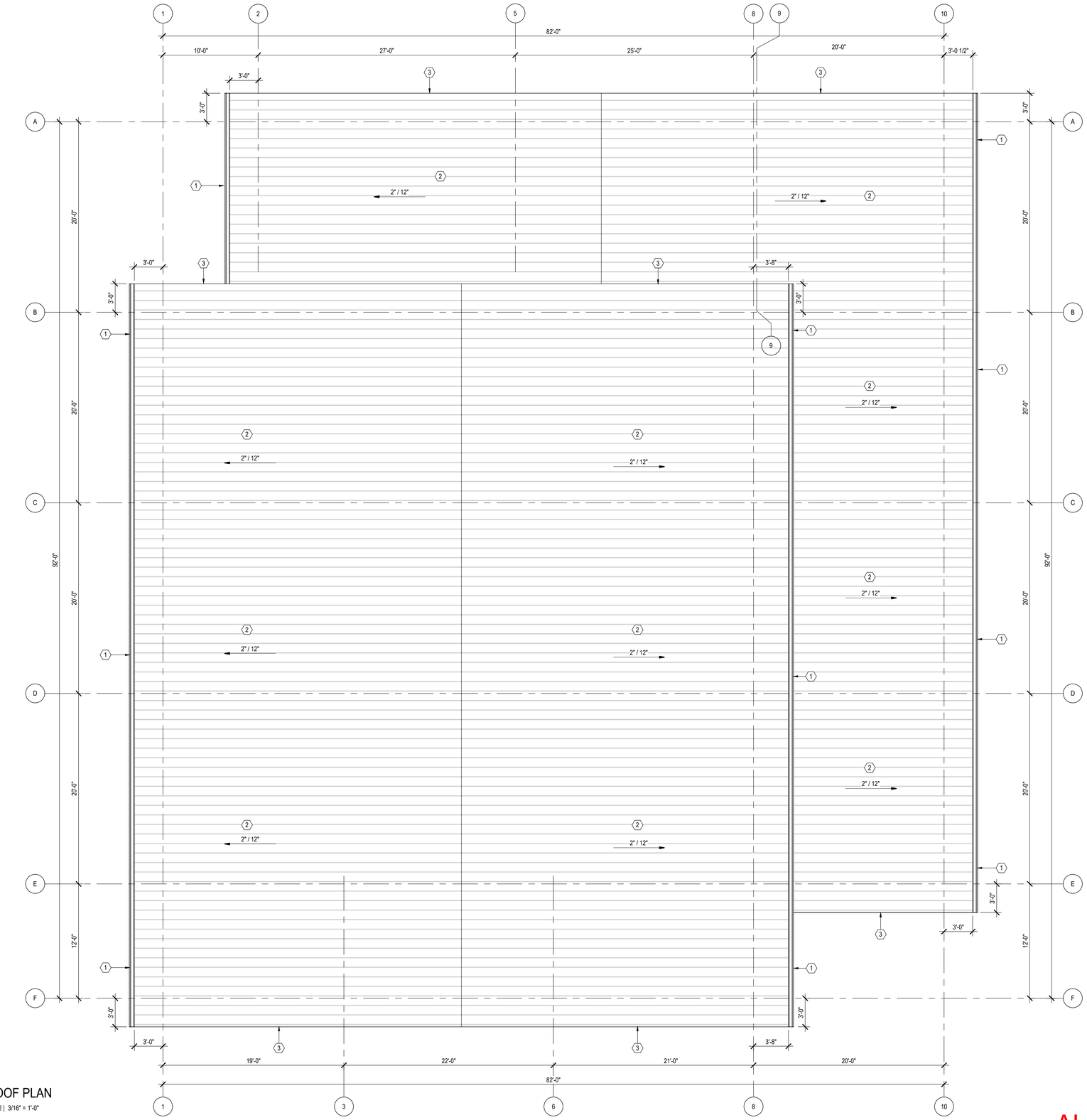

1 ROOF PLAN
A-102 | 3/16" = 1'-0"

ROOF PLAN KEYNOTES

TAG	NOTE
1	PRE-FINISHED METAL GUTTER AND DOWNSPOUTS, PROVIDED BY PEMB SUPPLIER
2	STANDING SEAM ROOF OVER PURLINS; ROOF ASSEMBLIES PROVIDED BY PEMB SUPPLIER
3	PRE-FINISHED METAL RAKE TRIM; PROVIDED BY PEMB SUPPLIER

ALPHA BLDG SET 06-18-2026

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265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

ROOF PLAN

A-102

ISSUED FOR CONSTRUCTION

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1 FINISHES PLAN - LEVEL 01

A-121 | 3/16" = 1'-0"

ALPHA BLDG SET 06-18-2026

FLOOR FINISH LEGEND

PATTERN	TAG	MATERIAL
	CIP-01	SEALED CONCRETE
	CPT-01	CARPET TILE B.O.D.: TBD COLOR: TBD
	LVP-01	LUXURY VINYL PLANK FLOORING B.O.D.: TBD COLOR: TBD
	T-01	PORCELAIN TILE B.O.D.: TBD COLOR: TBD

FLOOR TRANSITION SCHEDULE

TAG	PROFILE
TR-01	TILE TO CARPET TILE B.O.D.: TBD FINISH: TBD
TR-02	LVP TO CARPET TILE B.O.D.: TBD FINISH: TBD
TR-03	LVP TO SEALED CONCRETE B.O.D.: TBD FINISH: TBD
TR-04	LVP TO TILE B.O.D.: TBD FINISH: TBD
TR-05	SEALED CONCRETE TO EXTERIOR HARDSCAPE OR CONCRETE B.O.D.: TBD FINISH: TBD

FINISH LEGEND

TAG	MATERIAL
ACT-01	24" X 24" ACOUSTICAL CEILING W/ PRE-FINISHED WHITE GRID SYSTEM; SEE RCP
RB-01	4" RUBBER COVE BASE B.O.D.: TBD COLOR: TBD
PT-01	2 COATS INTERIOR WALL PAINT B.O.D.: TBD COLOR: TBD
T-01	PORCELAIN TILE TO 48" A.F.F. B.O.D.: TBD COLOR: TBD

FINISH SCHEDULE

	ROOM NAME	FLOOR FINISH	WALL FINISH	BASE FINISH	CEILING FINISH
101	LOBBY	LVP-01	PT-01	RB-01	ACT-01
102	CONFERENCE	CPT-01	PT-01	RB-01	ACT-01
103	OFFICE	CPT-01	PT-01	RB-01	ACT-01
104	OFFICE	CPT-01	PT-01	RB-01	ACT-01
105	OFFICE	CPT-01	PT-01	RB-01	ACT-01
106	OFFICE	CPT-01	PT-01	RB-01	ACT-01
107	BREAK ROOM	LVP-01	PT-01	RB-01	EXPOSED
108	FILE	CPT-01	PT-01	RB-01	ACT-01
109	COPY	CPT-01	PT-01	RB-01	ACT-01
110	MEN'S RR	T-01	T-01/PT-01	-	ACT-01
111	WOMEN'S RR	T-01	T-01/PT-01	-	ACT-01
112	WOMEN'S RR	T-01	T-01/PT-01	-	ACT-01
113	MEN'S RR	T-01	T-01/PT-01	-	ACT-01
114	OFFICE	CPT-01	PT-01	RB-01	ACT-01
115	OFFICE	CPT-01	PT-01	RB-01	ACT-01
116	OFFICE	CPT-01	PT-01	RB-01	ACT-01
117	OFFICE	CPT-01	PT-01	RB-01	ACT-01
118	OFFICE	CPT-01	PT-01	RB-01	ACT-01
119	HR	CPT-01	PT-01	RB-01	ACT-01
120	OFFICE	CPT-01	PT-01	RB-01	ACT-01
121	BILLING	CPT-01	PT-01	RB-01	ACT-01
122	OFFICE	CPT-01	PT-01	RB-01	ACT-01
123	OFFICE	CPT-01	PT-01	RB-01	ACT-01
124	RR	T-01	T-01/PT-01	-	ACT-01
125	JC	LVP-01	PT-01	RB-01	ACT-01
126	EXEC. OFFICE	CPT-01	PT-01	RB-01	ACT-01
127	RR	T-01	T-01/PT-01	-	ACT-01
128	ELEC.	LVP-01	PT-01	RB-01	ACT-01
129	CORRIDOR	LVP-01	PT-01	RB-01	ACT-01
130	EXEC. OFFICE	CPT-01	PT-01	RB-01	ACT-01
131	FIRE RM	CIP-01	PT-01	RB-01	EXPOSED

INTERIOR FINISH NOTES

1. COORDINATE DOOR PANEL UNDERCUTS WITH FINISH FLOOR MATERIAL THICKNESS AND TRANSITIONS.
2. PROVIDE ADA THRESHOLDS AT ALL CHANGES IN FINISH FLOOR MATERIALS AND THICKNESS AS NOTED; SEE SILL DETAILS.
3. INTERIOR FINISHES SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. FINAL FINISH SELECTION BY OWNER.
4. ALL INTERIOR FINISHES SHALL COMPLY WITH NFPA 101 (2024) SECTION 12.3.3 & 10.2.
5. INTERIOR WALL AND CEILING FINISH MATERIALS AT INTERIOR CORRIDORS AND LOBBIES SHALL BE CLASS A OR CLASS B.
6. INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASS A OR CLASS B IN GENERAL ASSEMBLY. ALL OTHER ROOMS SHALL HAVE CLASS A, CLASS B, OR CLASS C.
7. SCREEN ON WHICH PICTURES ARE PROJECTED SHALL COMPLY WITH REQUIREMENTS FOR CLASS A OR CLASS B INTERIOR FINISHES PER NFPA 101 SECTION 10.2.
8. INTERIOR FLOOR FINISH SHALL COMPLY WITH NFPA 101 SECTION 10.2.7.

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FINISHES PLAN

A-121

ISSUED FOR CONSTRUCTION

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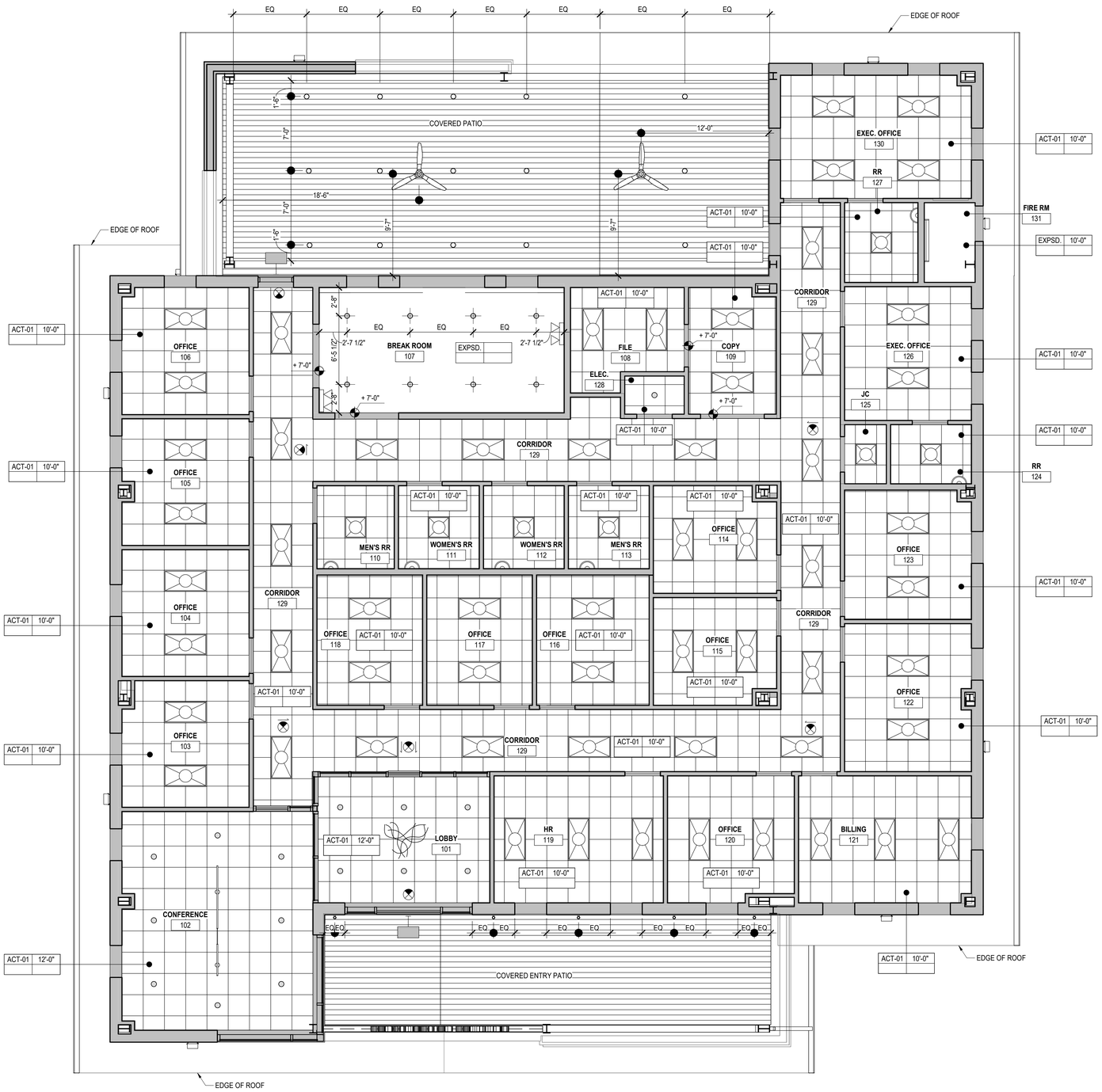

1 REFLECTED CEILING PLAN
A-201 | 3/16" = 1'-0"

ALPHA BLDG SET 06-18-2026

RCP TAG

CEILING TYPE — CEILING HEIGHT / FIXTURE HEIGHT
EXPSD | -
- | PTD
CEILING PATTERN — CEILING FINISH

CEILING TYPE LEGEND

EXPSD. EXPOSED TO STRUCTURE ABOVE

ACT-01 24" X 24" ACOUSTICAL CEILING W/ PRE-FINISHED WHITE GRID SYSTEM CENTER CEILING GRID EACH WAY IN SPACE AS SHOWN, U.N.O.
TILE B.O.D.: T.B.D.
GRID B.O.D.: T.B.D.

MS-01 EXPOSED METAL SOFFIT CEILING;
BASIS OF DESIGN - MBCI ARTISAN L12 WITH BEADS

LIGHTING FIXTURES LEGEND

- 2X2 LED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- 2X4 LED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- INTERIOR CAN LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- EXTERIOR PENDANT LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- WALL SCONCE LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- PENDANT LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- DECORATIVE LOBBY LIGHT SELECTED BY I.D. / GC INSTALLED - SEE ELECTRICAL DRAWINGS
- LINEAR ARCHITECTURAL FEATURED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- WALL-MOUNTED LED WRAP LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- INTERIOR VANITY LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- EXTERIOR WALL PACK LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- CEILING FAN - SEE ELECTRICAL DRAWINGS
- EXIT LIGHT - SEE ELECTRICAL DRAWINGS
- EMERGENCY FIXTURE - SEE ELECTRICAL DRAWINGS

RCP GENERAL NOTES

1. THIS DRAWING IS FOR GRAPHICAL FIXTURE LOCATION ONLY. SEE ELECTRICAL DRAWINGS FOR FIXTURE SCHEDULE
2. CONTRACTOR SHALL REFER TO ELECTRICAL DRAWINGS FOR GENERAL LIGHTING FOR PRICING IN ADDITION TO DECORATIVE LIGHTING AS SHOWN ON THIS PLAN.
3. U.N.O. ALL CEILING LIGHT FIXTURES ARE TO BE CENTERED EACH WAY IN CEILING TILES AND SPACES.
4. REFER TO MECHANICAL DRAWINGS FOR ALL AIR TERMINAL INFORMATION.
5. SEE INTERIOR DRAWINGS FOR ALL CEILING FINISHES.

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
SUITE 100 CANTON, GA 30115
Phone: (770) 345-2579

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014589
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

REFLECTED CEILING PLAN

A-201

ISSUED FOR CONSTRUCTION

Y:\Projects\25-038 Peach State Construction Office_Covington, GA\Arch\00 REVIT\25-038 Peach State Construction Office.rvt
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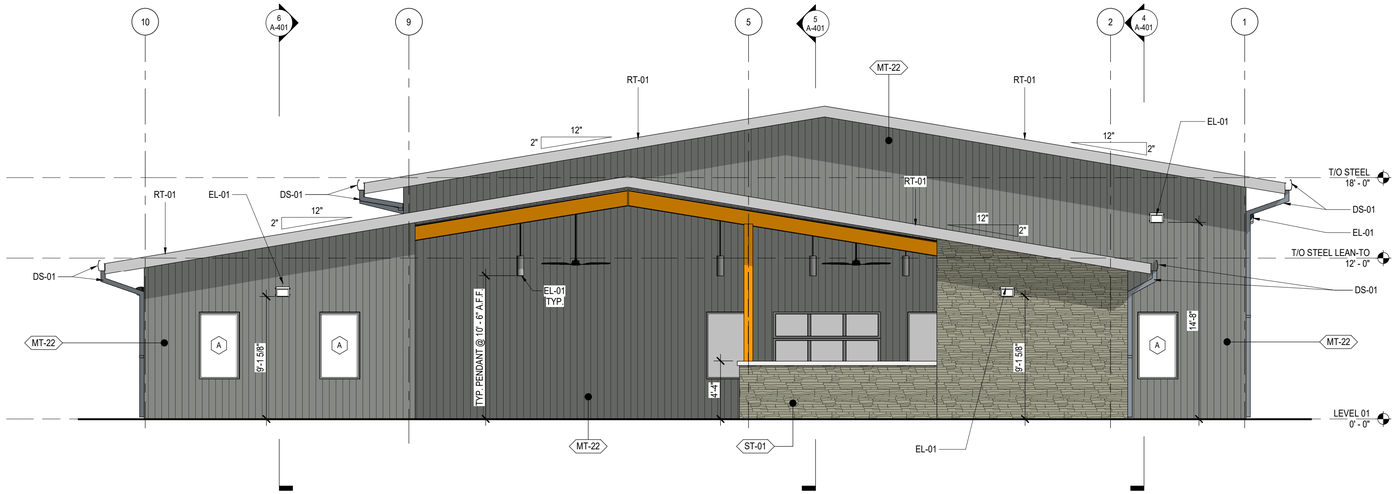
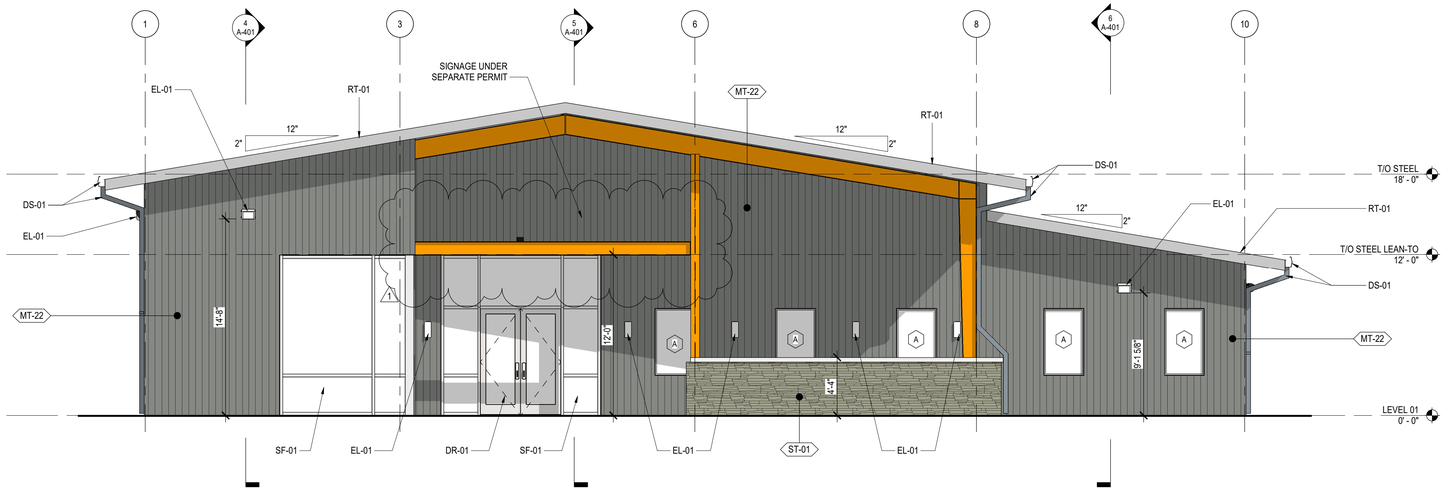


2 NORTH ELEVATION

A-301 | 3/16" = 1'-0"



1 SOUTH ELEVATION

A-301 | 3/16" = 1'-0"

EXTERIOR FINISH LEGEND

PATTERN	TAG	MATERIAL
	MT-22	VERTICAL PBR OR EQUAL METAL WALL PANEL COLOR: STEEL GRAY OR EQUAL
	R-04	STANDING SEAM METAL ROOFING SYSTEM B.O.D.: T.B.D.
	ST-01	STONE VENEER B.O.D.: T.B.D.

EXTERIOR FINISH KEYNOTES

TAG	MATERIAL
DR-01	EXTERIOR DOOR - SEE DOOR SCHEDULE
DS-01	PREFINISHED ALUMINUM GUTTER AND DOWNSPOUT, STEEL GRAY OR EQUAL
EL-01	EXTERIOR LIGHT FIXTURE - SEE ELECTRICAL SCHEDULE
RT-01	PRE-FINISHED METAL RAKE TRIM; STEEL GRAY OR EQUAL
SF-01	EXTERIOR STOREFRONT SYSTEM - SEE STOREFRONT ELEVATIONS

ELEVATION NOTES

1. COORDINATE BUILDING SIGNAGE LOCATIONS AND SIGNAGE WITH OWNER. REFER TO ELECTRICAL DRAWINGS FOR SCHEDULE AND LOCATION.
2. MATERIAL MANUFACTURERS AND COLORS INDICATED ON DRAWINGS ARE SUBJECT TO CHANGE DURING THE CONSTRUCTION PROCESS. ANY DEVIATIONS FROM APPROVED PLANS SHALL BE SUBMITTED FOR APPROVAL.

CSC DESIGN, INC.
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STATE OF GEORGIA
KEVIN B. WHIPPLE
05/14/2026
CERTIFICATE NO. RA014589
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS		
NO.	DATE:	ISSUE:
1	05/14/2026	REVISION #1 - (COUNTY COMMENTS)

PEACH STATE CONSTRUCTION COMPANY OFFICE

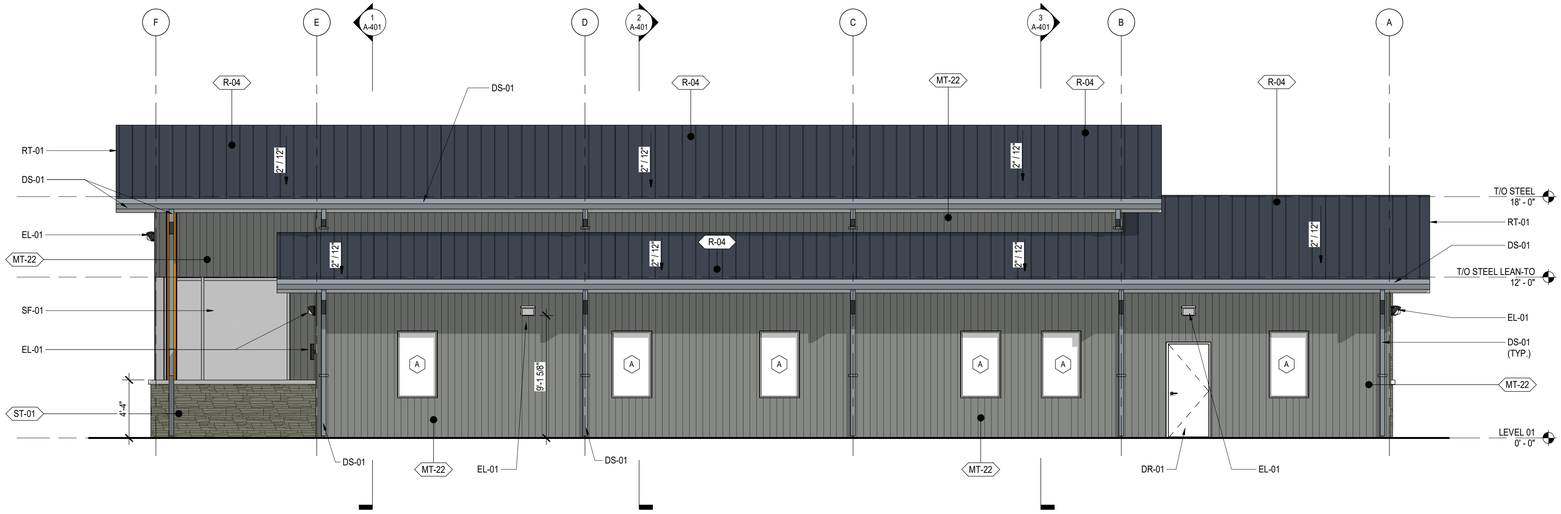
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

EXTERIOR ELEVATIONS

A-301

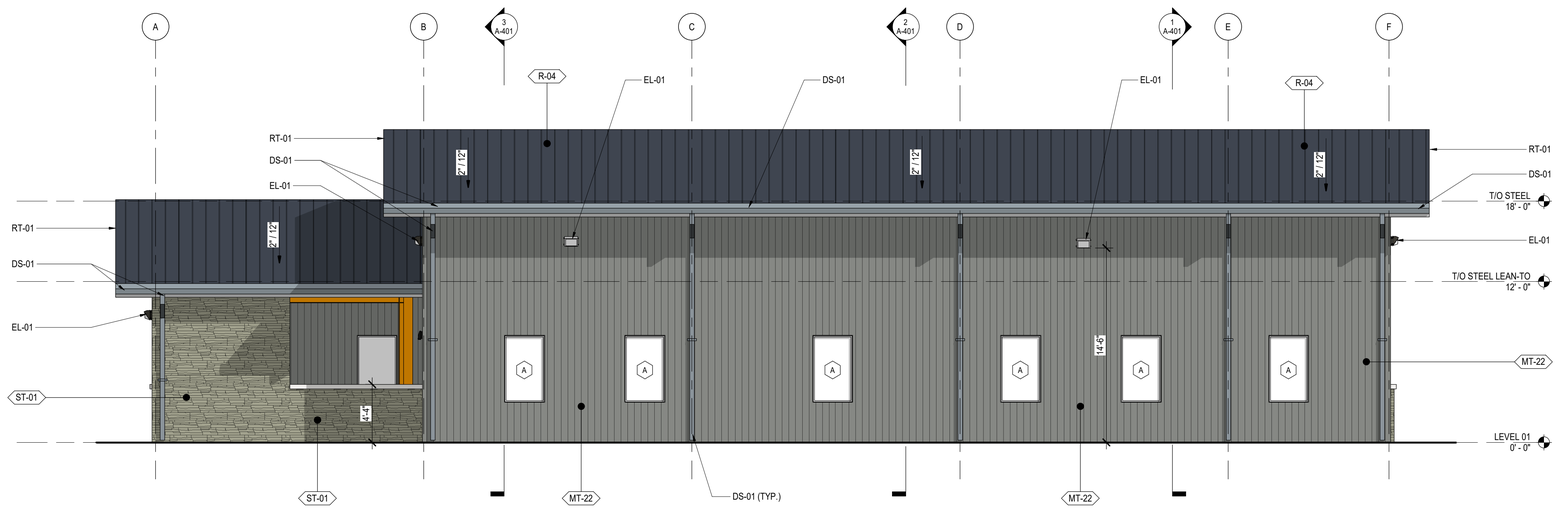
ISSUED FOR CONSTRUCTION

ALPHA BLDG SET 06-18-2026



2 EAST ELEVATION

A-302 | 3/16" = 1'-0"



1 WEST ELEVATION

A-302 | 3/16" = 1'-0"

EXTERIOR FINISH LEGEND

PATTERN	TAG	MATERIAL
	MT-22	VERTICAL PBR OR EQUAL METAL WALL PANEL COLOR: STEEL GRAY OR EQUAL
	R-04	STANDING SEAM METAL ROOFING SYSTEM B.O.D.: T.B.D.
	ST-01	STONE VENEER B.O.D.: T.B.D.

EXTERIOR FINISH KEYNOTES

TAG	MATERIAL
DR-01	EXTERIOR DOOR - SEE DOOR SCHEDULE
DS-01	PREFINISHED ALUMINUM GUTTER AND DOWNSPOUT, STEEL GRAY OR EQUAL
EL-01	EXTERIOR LIGHT FIXTURE - SEE ELECTRICAL SCHEDULE
RT-01	PRE-FINISHED METAL RAKE TRIM; STEEL GRAY OR EQUAL
SF-01	EXTERIOR STOREFRONT SYSTEM - SEE STOREFRONT ELEVATIONS

ELEVATION NOTES

1. COORDINATE BUILDING SIGNAGE LOCATIONS AND SIGNAGE WITH OWNER. REFER TO ELECTRICAL DRAWINGS FOR SCHEDULE AND LOCATION.
2. MATERIAL MANUFACTURERS AND COLORS INDICATED ON DRAWINGS ARE SUBJECT TO CHANGE DURING THE CONSTRUCTION PROCESS. ANY DEVIATIONS FROM APPROVED PLANS SHALL BE SUBMITTED FOR APPROVAL.

ALPHA BLDG SET 06-18-2026

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014486
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

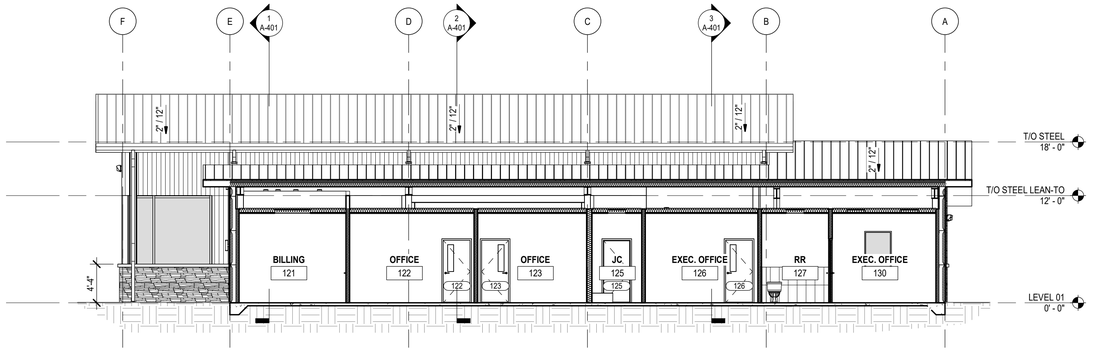
REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

EXTERIOR ELEVATIONS

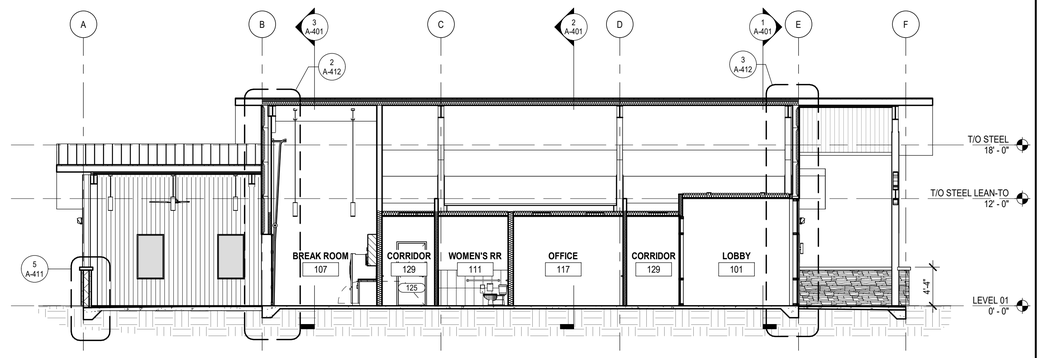
A-302

ISSUED FOR CONSTRUCTION



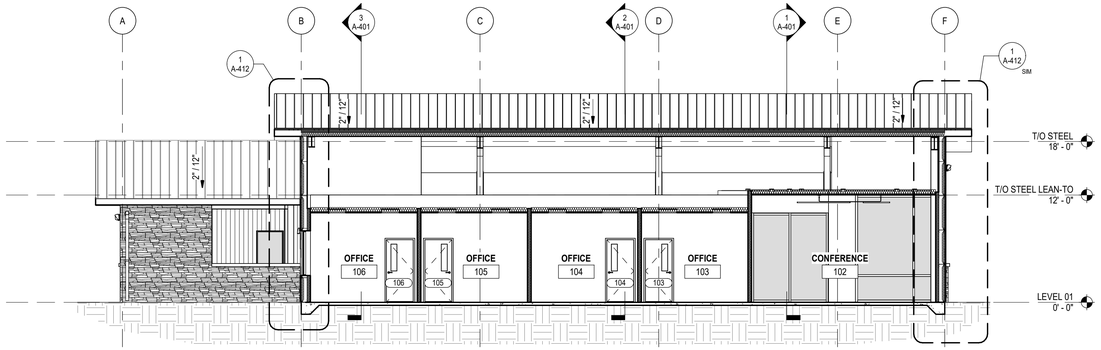
6 BUILDING SECTION - 6

A-401 | 1/8" = 1'-0"



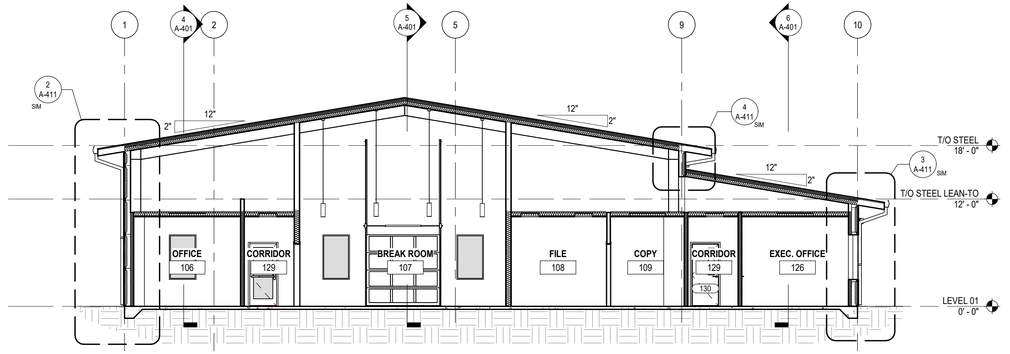
5 BUILDING SECTION - 5

A-401 | 1/8" = 1'-0"



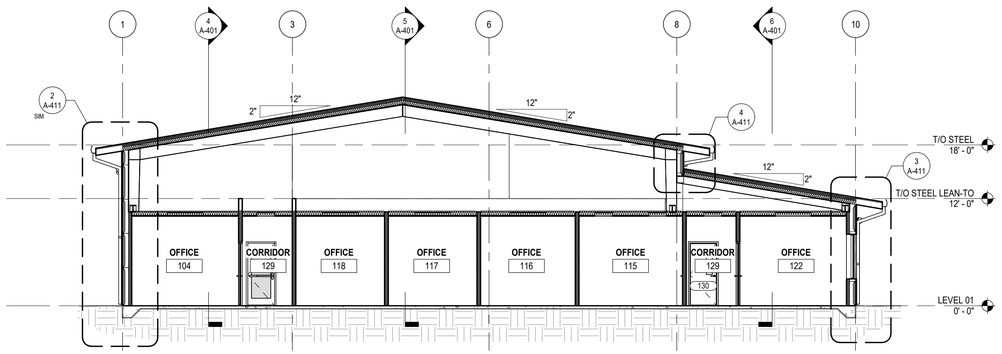
4 BUILDING SECTION - 4

A-401 | 1/8" = 1'-0"



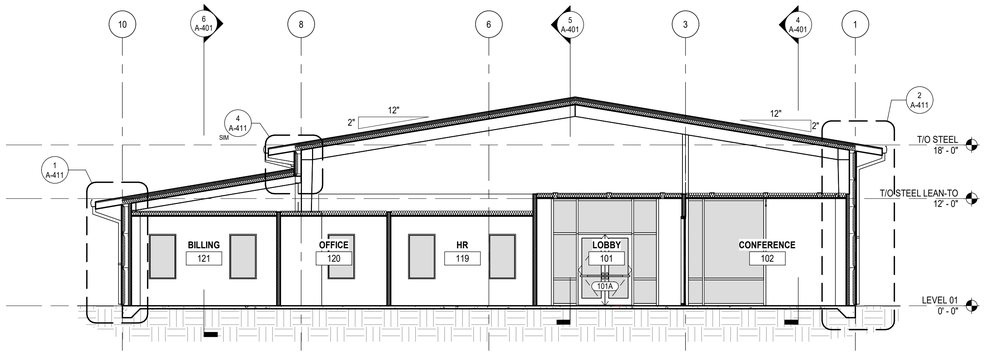
3 BUILDING SECTION - 3

A-401 | 1/8" = 1'-0"



2 BUILDING SECTION - 2

A-401 | 1/8" = 1'-0"



1 BUILDING SECTION - 1

A-401 | 1/8" = 1'-0"

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014589
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

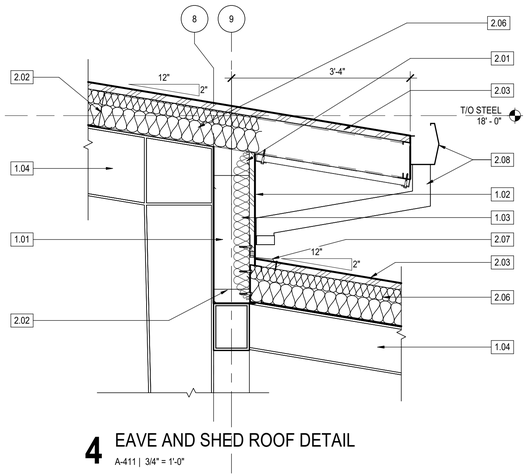
PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

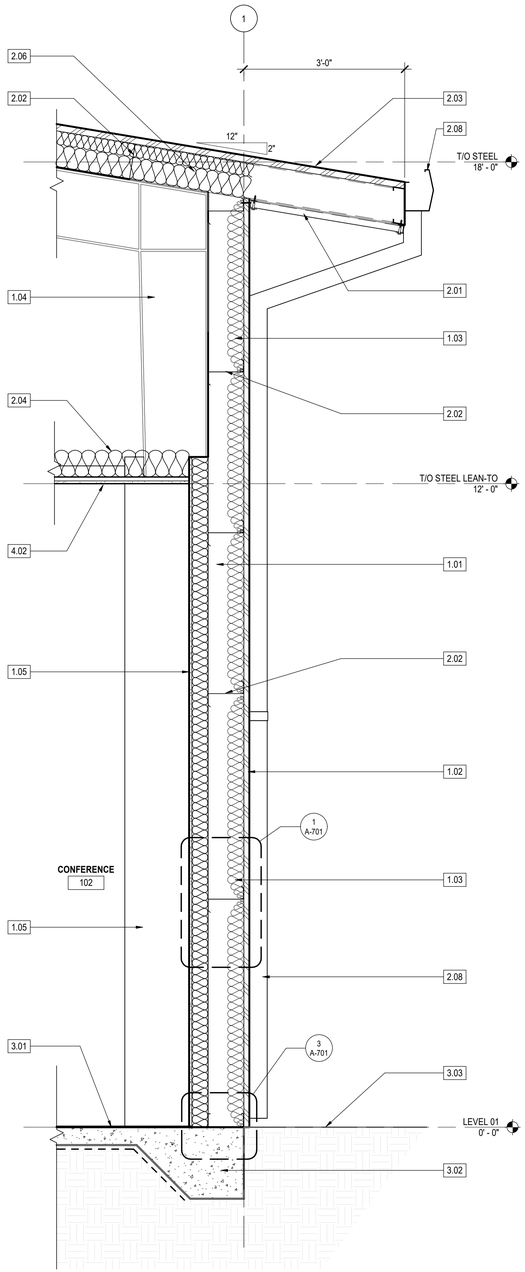
BUILDING SECTIONS

A-401

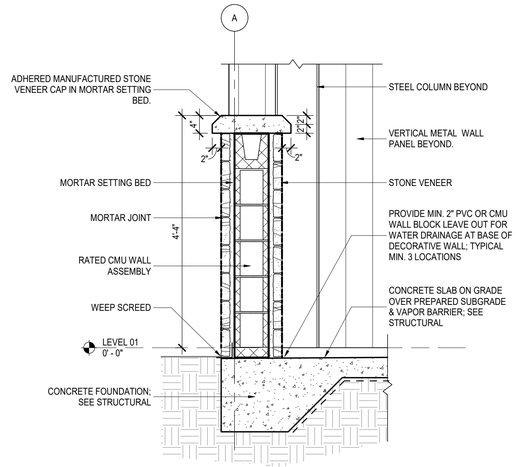
ISSUED FOR CONSTRUCTION



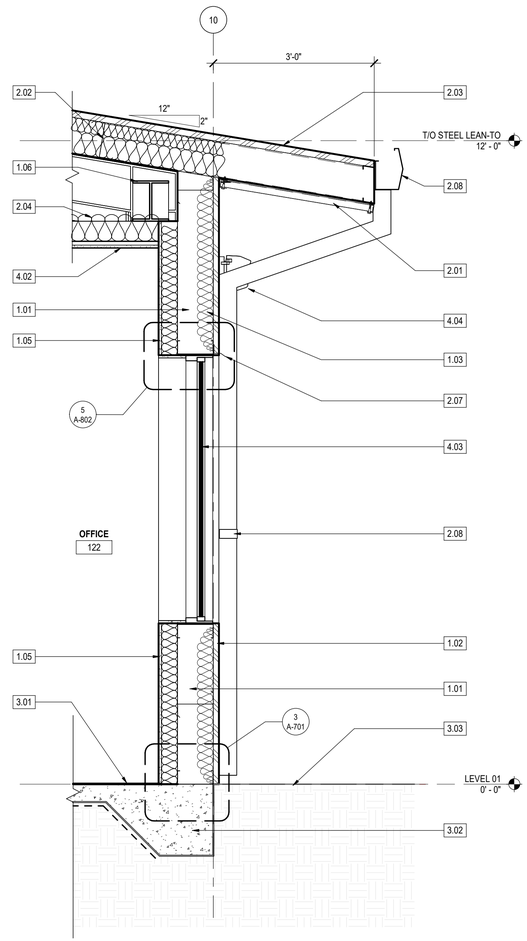
4 EAVE AND SHED ROOF DETAIL
A-411 | 3/4" = 1'-0"



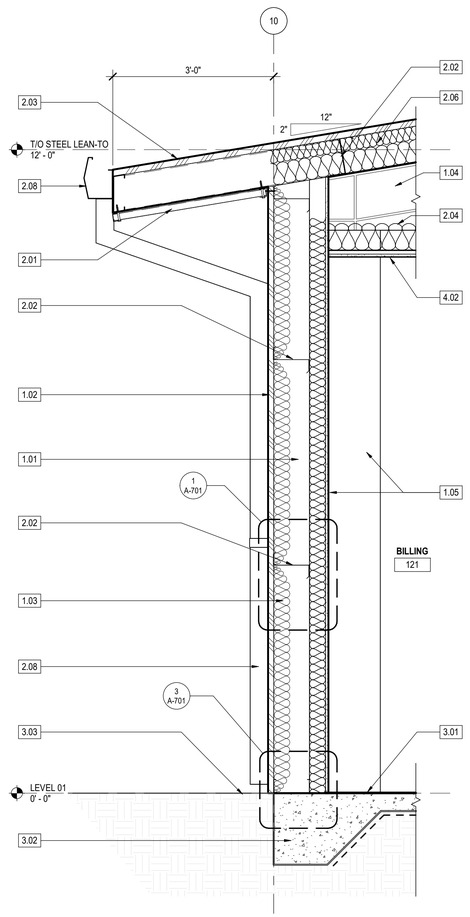
2 WALL SECTION 2
A-411 | 3/4" = 1'-0"



5 STONE-CLAD WALL DETAIL
A-411 | 3/4" = 1'-0"



3 WALL SECTION 3
A-411 | 3/4" = 1'-0"



1 WALL SECTION 1
A-411 | 3/4" = 1'-0"

ALPHA BLDG SET 06-18-2026

WALL SECTION KEYNOTES

1.01	8" GIRT WALL; PROVIDED BY PEMB SUPPLIER.
1.02	VERTICAL PBR WALL PANEL; PROVIDED BY PEMB SUPPLIER.
1.03	FACED R-13 METAL BUILDING INSULATION AT EXTERIOR WALLS; PROVIDED BY PEMB SUPPLIER
1.04	MAIN FRAME; SEE PEMB DRAWINGS
1.05	5/8" GWB ON THE INTERIOR SIDE OVER METAL STUD WALL W/ R-13 BATT INSULATION
1.06	WIND BENT FRAME; SEE PEMB DRAWINGS FOR FURTHER INFORMATION
2.01	SOFFIT LINER PANEL; BASIS OF DESIGN MBCI ARTISAN L-12 WITH BEAD; PROVIDED BY PEMB SUPPLIER
2.02	8" Z- PURLINS; SEE PEMB DRAWINGS FOR FURTHER INFORMATION.
2.03	STANDING SEAM METAL ROOF PROVIDED BY PEMB SUPPLIER
2.04	6" SOUND BATT INSULATION ABOVE SCHEDULED CEILING.
2.05	GABLE TRIM WITH RAKE ANGLE ANCHORED TO END OF PURLINS; PROVIDED BY PEMB SUPPLIER
2.06	BLACK SIMPLE SAVER ROOF INSULATION SYSTEM (R-25 + R-19); PROVIDED BY PEMB SUPPLIER
2.07	PROVIDE FLASHING, TYP.
2.08	GUTTER AND DOWNSPOUT PROVIDED BY PEMB SUPPLIER. SURFACE DRAIN WITH SPLASHBLOCK
3.01	CONCRETE SLAB ON GRADE OVER PREPARED SUBGRADE AND VAPOR BARRIER; SEE STRUCTURAL.
3.02	CONCRETE FOUNDATION / FOOTING; SEE STRUCTURAL.
3.03	EXTERIOR PAVING / HARDSCAPE / SOFTSCAPE; SEE CIVIL DRAWINGS.
4.01	SCHEDULED DOOR; SEE A-800 FOR FURTHER INFORMATION
4.02	SCHEDULED CEILING; SEE A-201 FOR FURTHER INFORMATION
4.03	SCHEDULED WINDOW; SEE A-800 FOR FURTHER INFORMATION
4.04	SCHEDULED LIGHT FIXTURE; SEE ELECTRICAL SHEETS FOR FURTHER INFORMATION
5.01	SIGNAGE; PERMITTED SEPARATELY
5.02	INTERIOR LINER PANEL PROVIDED BY PEMB SUPPLIER

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
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Phone: (770) 345-2579

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014586
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

WALL SECTIONS

A-411

ISSUED FOR CONSTRUCTION

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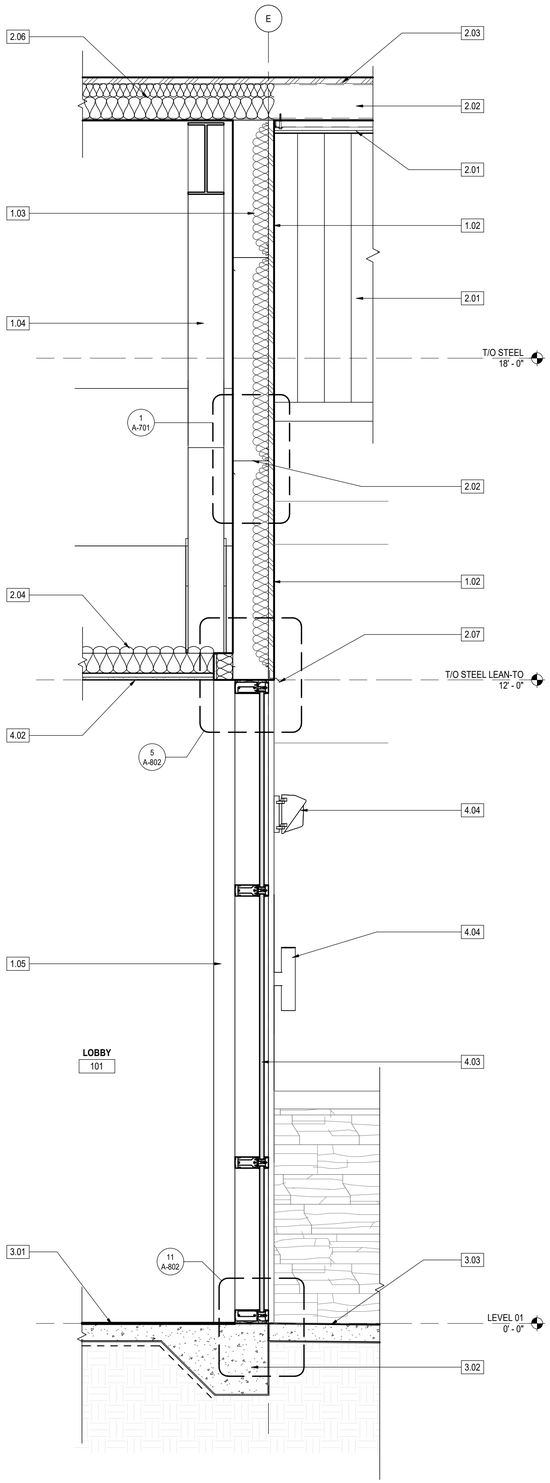
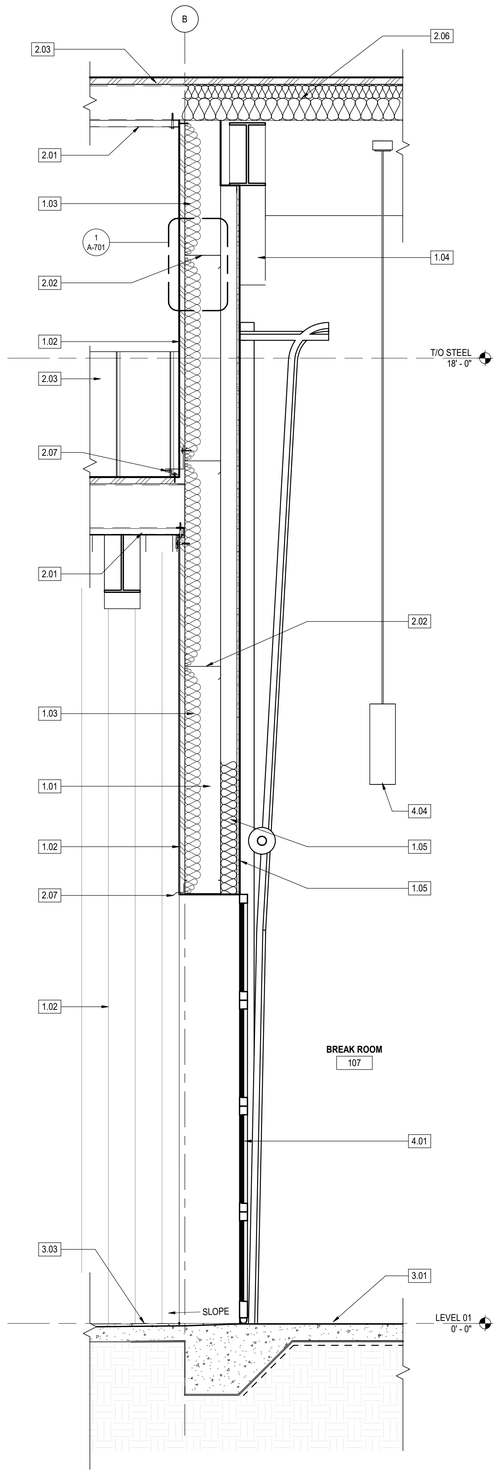
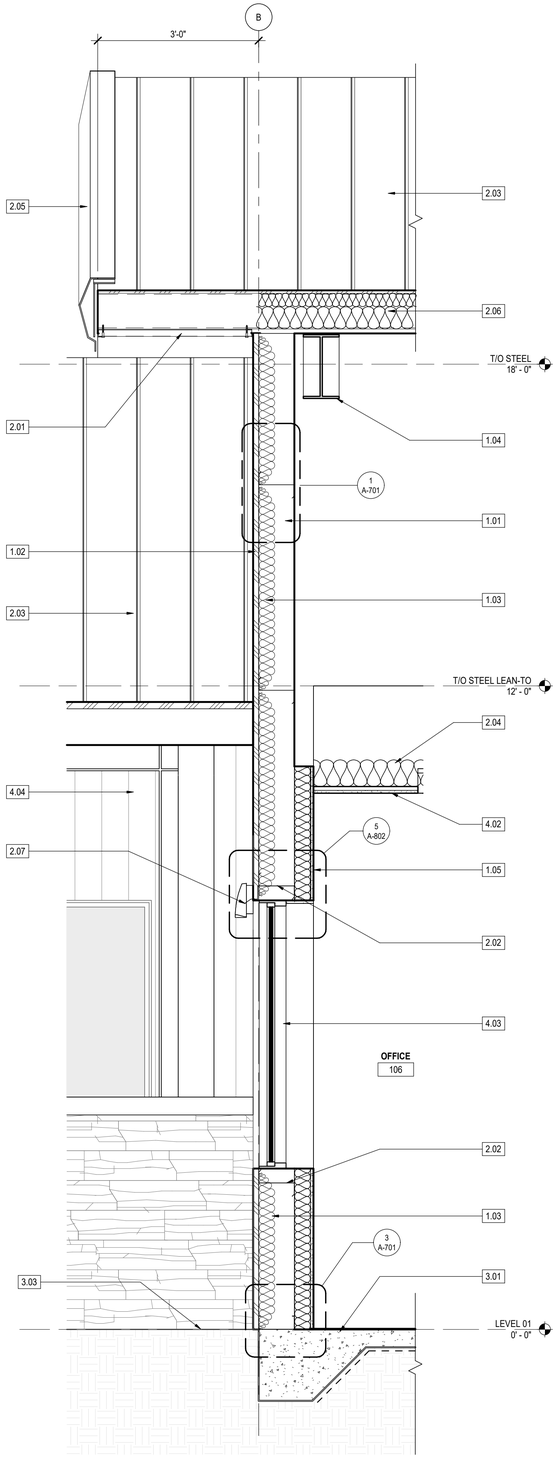


3 WALL SECTION 6
A-412 | 3/4" = 1'-0"



2 WALL SECTION 5
A-412 | 3/4" = 1'-0"



1 WALL SECTION 4
A-412 | 3/4" = 1'-0"

ALPHA BLDG SET 06-18-2026

WALL SECTION KEYNOTES

1.01	8" GIRT WALL; PROVIDED BY PEMB SUPPLIER.
1.02	VERTICAL PBR WALL PANEL; PROVIDED BY PEMB SUPPLIER.
1.03	FACED R-13 METAL BUILDING INSULATION AT EXTERIOR WALLS; PROVIDED BY PEMB SUPPLIER
1.04	MAIN FRAME; SEE PEMB DRAWINGS
1.05	5/8" GWB ON THE INTERIOR SIDE OVER METAL STUD WALL W/ R-13 BATT INSULATION
1.06	WIND BENT FRAME; SEE PEMB DRAWINGS FOR FURTHER INFORMATION
2.01	SOFFIT LINER PANEL; BASIS OF DESIGN MBCI ARTISAN L.12 WITH BEAD; PROVIDED BY PEMB SUPPLIER
2.02	8" Z- PURLINS; SEE PEMB DRAWINGS FOR FURTHER INFORMATION.
2.03	STANDING SEAM METAL ROOF PROVIDED BY PEMB SUPPLIER
2.04	6" SOUND BATT INSULATION ABOVE SCHEDULED CEILING.
2.05	GABLE TRIM WITH RAKE ANGLE ANCHORED TO END OF PURLINS; PROVIDED BY PEMB SUPPLIER
2.06	BLACK SIMPLE SAVER ROOF INSULATION SYSTEM (R-25 + R-19); PROVIDED BY PEMB SUPPLIER
2.07	PROVIDE FLASHING, TYP.
2.08	GUTTER AND DOWNSPOUT PROVIDED BY PEMB SUPPLIER. SURFACE DRAIN WITH SPLASHBLOCK
3.01	CONCRETE SLAB ON GRADE OVER PREPARED SUBGRADE AND VAPOR BARRIER; SEE STRUCTURAL.
3.02	CONCRETE FOUNDATION / FOOTING; SEE STRUCTURAL.
3.03	EXTERIOR PAVING / HARDSCAPE / SOFTSCAPE; SEE CIVIL DRAWINGS.
4.01	SCHEDULED DOOR; SEE A-800 FOR FURTHER INFORMATION
4.02	SCHEDULED CEILING; SEE A-201 FOR FURTHER INFORMATION
4.03	SCHEDULED WINDOW; SEE A-800 FOR FURTHER INFORMATION
4.04	SCHEDULED LIGHT FIXTURE; SEE ELECTRICAL SHEETS FOR FURTHER INFORMATION
5.01	SIGNAGE; PERMITTED SEPARATELY
5.02	INTERIOR LINER PANEL PROVIDED BY PEMB SUPPLIER

CSC DESIGN, INC.
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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014586
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

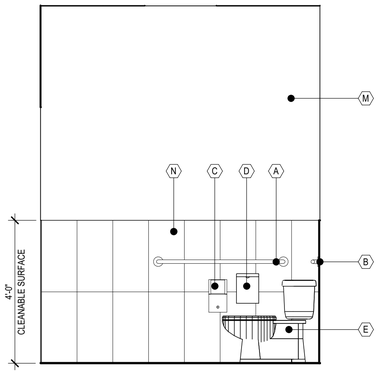
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

WALL SECTIONS

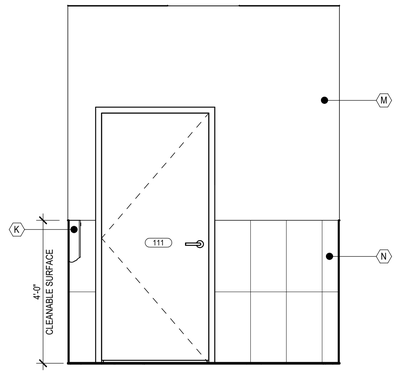
A-412

ISSUED FOR CONSTRUCTION

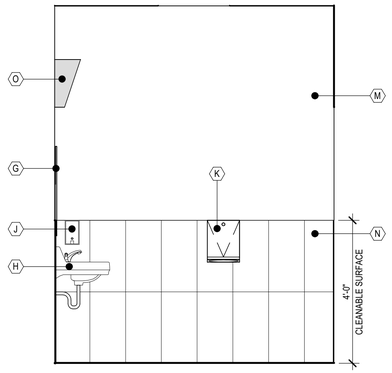
CSC.2024.01.007



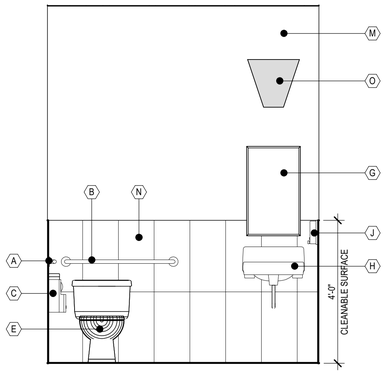
9 RR 111 - ELEVATION 9
A-505 | 1/2" = 1'-0"



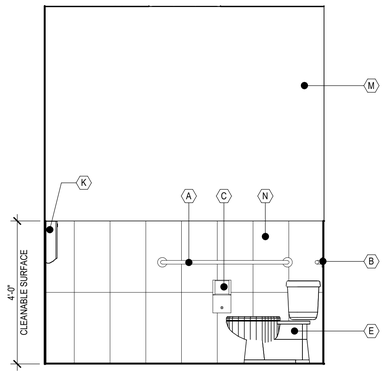
8 RR 111 - ELEVATION 8
A-505 | 1/2" = 1'-0"



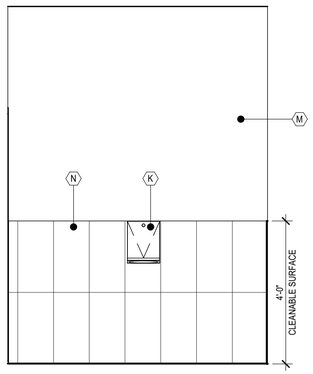
7 RR 111 - ELEVATION 7
A-505 | 1/2" = 1'-0"



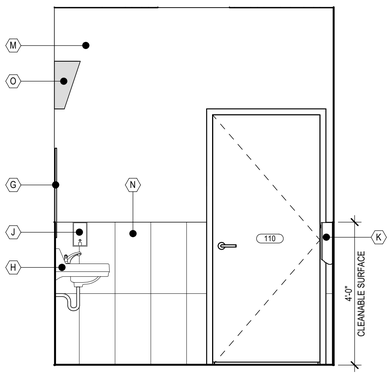
6 RR 111 - ELEVATION 6
A-505 | 1/2" = 1'-0"



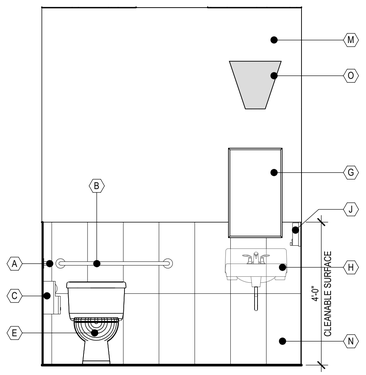
5 RR 110 - ELEVATION 5
A-505 | 1/2" = 1'-0"



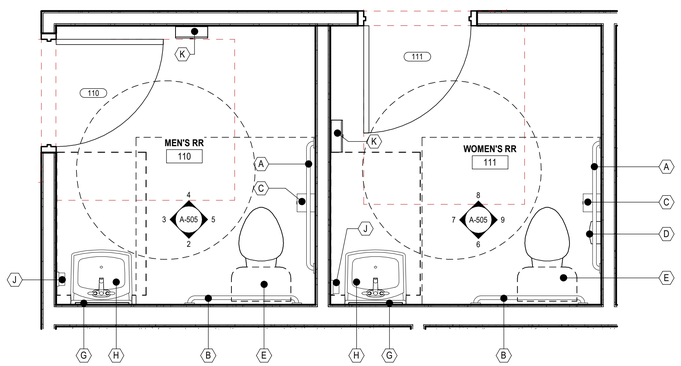
4 RR 110 - ELEVATION 4
A-505 | 1/2" = 1'-0"



3 RR 110 - ELEVATION 3
A-505 | 1/2" = 1'-0"



2 RR 110 - ELEVATION 2
A-505 | 1/2" = 1'-0"



1 TYP. ENLARGED RESTROOM FLOOR PLANS
A-505 | 1/2" = 1'-0"

TOILET ACCESSORY LEGEND

A	42" S.S. 1-1/2" GRAB BAR
B	36" S.S. 1-1/2" GRAB BAR
C	TOILET PAPER DISPENSER - SURFACE MOUNTED; PROVIDE BLOCKING
D	SANITARY NAPKIN RECEPTACLE - SURFACE MOUNTED; PROVIDE BLOCKING
E	FLOOR MOUNTED TOILET
F	ADA COMPLIANT BATHROOM SKIRTING WITH COUNTERTOP AND UNDERMOUNT SINK
G	18" X 36" WALL MOUNTED MIRROR
H	WALL MOUNTED SINK; PROVIDE BLOCKING AND PIPE PROTECTION AS REQUIRED
J	SOAP DISPENSER - SURFACE MOUNTED; PROVIDE BLOCKING
K	PAPER TOWEL DISPENSER; PROVIDE BLOCKING
M	INTERIOR WALL PAINT; SEE FINISHES PLAN
N	WALL TILE (T-01). SEE FINISHES PLAN
O	VANITY LIGHT - SEE ELECTRICAL DRAWINGS

TOILET ROOM NOTES

1. ACCESSIBLE LOCATIONS THROUGHOUT SHALL HAVE A 30"X48" CLEAR FLOOR SPACE IN FRONT OF ALL LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER ENVIRONMENTAL CONTROLS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
2. WATER CLOSET FIXTURE TYPES SHOWN ON THESE DRAWINGS ARE DIAGRAMMATIC ONLY. SEE PLUMBING DRAWINGS FOR EXACT WATER CLOSET TYPE FIXTURE.
3. LAVATORIES AND WATER CLOSETS TO BE LEVER TYPE CONTROL, MOUNTED ON THE ACCESSIBLE SIDE OF TOILETS
4. PROVIDE SOLID BLOCKING IN WALL REQUIRED TO SUPPORT LAVATORIES, TOILET ACCESSORIES, GRAB BARS, ETC. (INCLUDING FURNITURE).
5. MOUNT ALL ACCESSORIES AT HEIGHTS AND LOCATIONS INDICATED ON MANUFACTURER'S INSTALLATION INSTRUCTIONS U.N.O. TO PROVIDE APPLICABLE ACCESSIBILITY COMPLIANCE. SEE SHEET G-050 & G-051
6. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULE, ELECTRICAL DRAWINGS FOR ELECTRICAL FIXTURE SCHEDULE, AND INTERIOR DRAWINGS FOR FINISH INFORMATION.

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
SUITE 100 CANTON, GA 30115
Phone: (770) 345-2579

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014589
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

ENLARGED RESTROOM PLANS & ELEVATIONS

A-505

ISSUED FOR CONSTRUCTION

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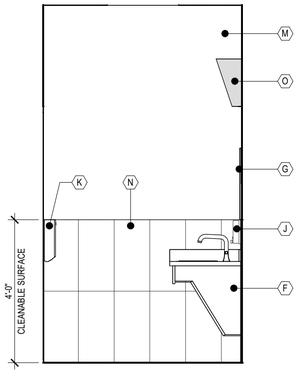
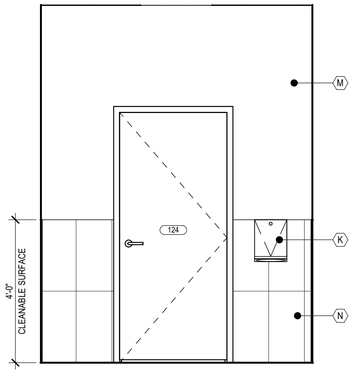
4/28/2026 4:13:31 PM

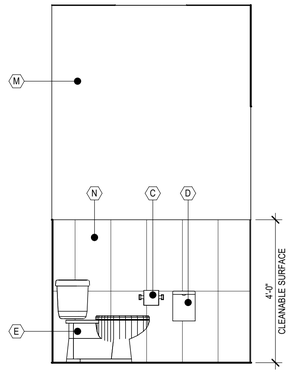
CSC.2024.01.007



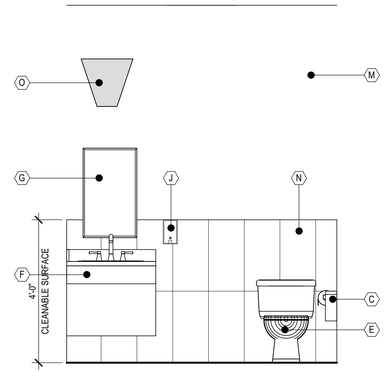
10 RR 124 - ELEVATION 9
A-506 | 1/2" = 1'-0"



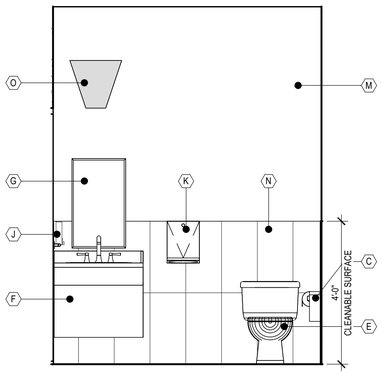
9 RR 124 - ELEVATION 8
A-506 | 1/2" = 1'-0"



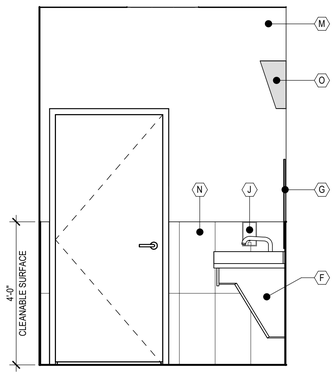
8 RR 124 - ELEVATION 7
A-506 | 1/2" = 1'-0"



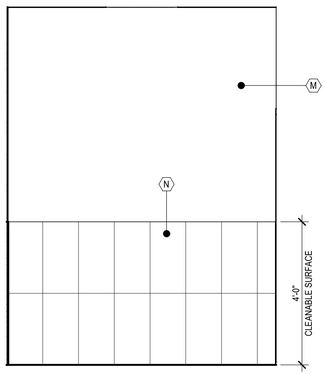
7 RR 124 - ELEVATION 6
A-506 | 1/2" = 1'-0"



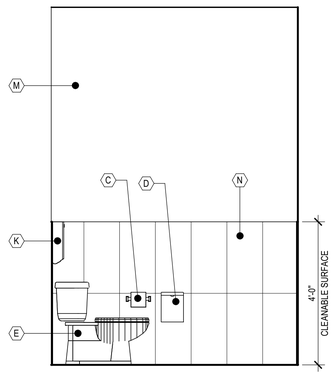
5 RR 127 - ELEVATION 5
A-506 | 1/2" = 1'-0"



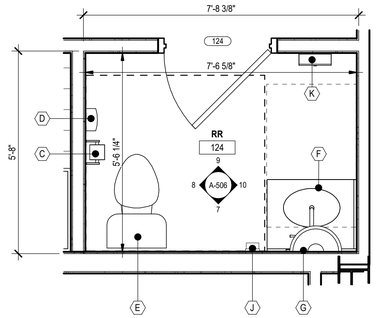
4 RR 127 - ELEVATION 4
A-506 | 1/2" = 1'-0"



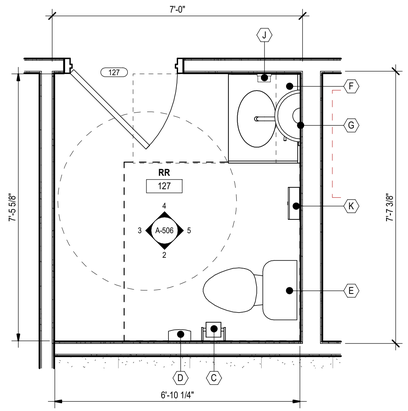
3 RR 127 - ELEVATION 3
A-506 | 1/2" = 1'-0"



2 RR 127 - ELEVATION 2
A-506 | 1/2" = 1'-0"



6 ENLARGED RR 124 FLOOR PLAN
A-506 | 1/2" = 1'-0"



1 ENLARGED RR 127 FLOOR PLAN
A-506 | 1/2" = 1'-0"

TOILET ACCESSORY LEGEND

A	42" S.S. 1-1/2" GRAB BAR
B	36" S.S. 1-1/2" GRAB BAR
C	TOILET PAPER DISPENSER - SURFACE MOUNTED; PROVIDE BLOCKING
D	SANITARY NAPKIN RECEPTACLE - SURFACE MOUNTED; PROVIDE BLOCKING
E	FLOOR MOUNTED TOILET
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G	18" X 36" WALL MOUNTED MIRROR
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K	PAPER TOWEL DISPENSER; PROVIDE BLOCKING
M	INTERIOR WALL PAINT; SEE FINISHES PLAN
N	WALL TILE (T-01). SEE FINISHES PLAN
O	VANITY LIGHT - SEE ELECTRICAL DRAWINGS

TOILET ROOM NOTES

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CSC DESIGN, INC.
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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014886
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

ENLARGED RESTROOM PLANS & ELEVATIONS

A-506

ISSUED FOR CONSTRUCTION

ALPHA BLDG SET 06-18-2026

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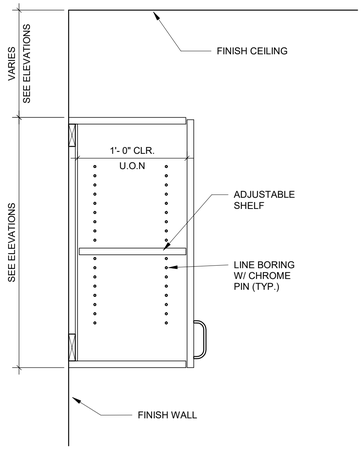
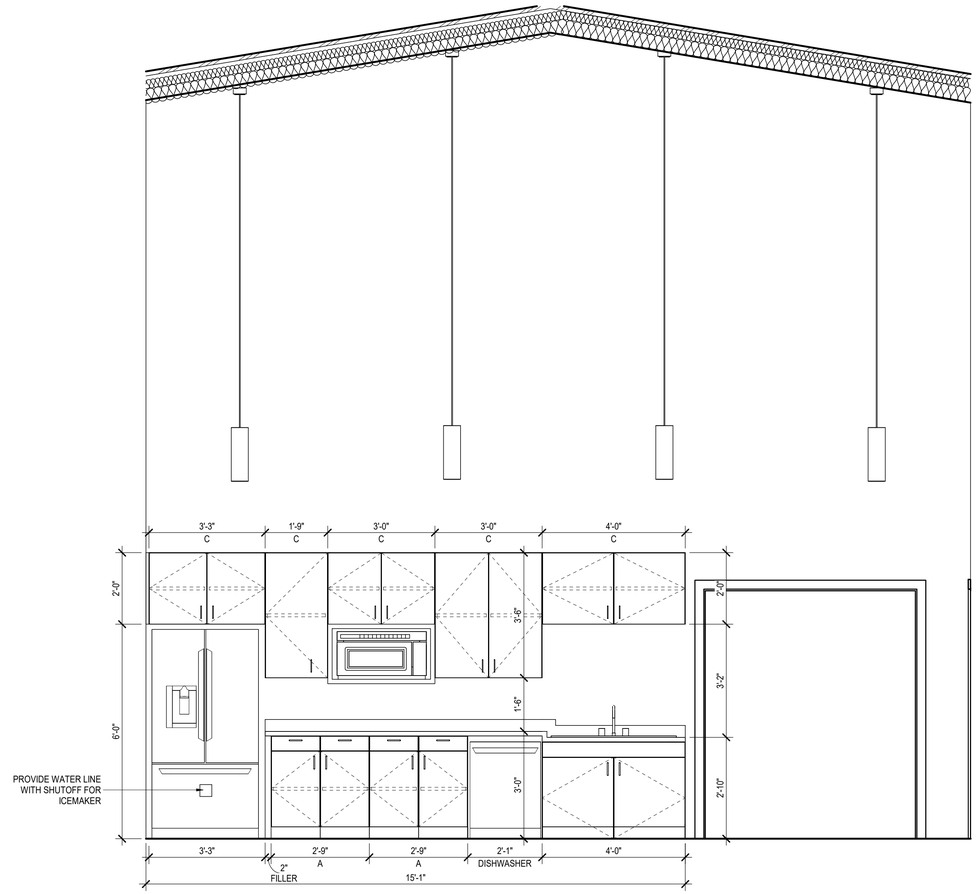


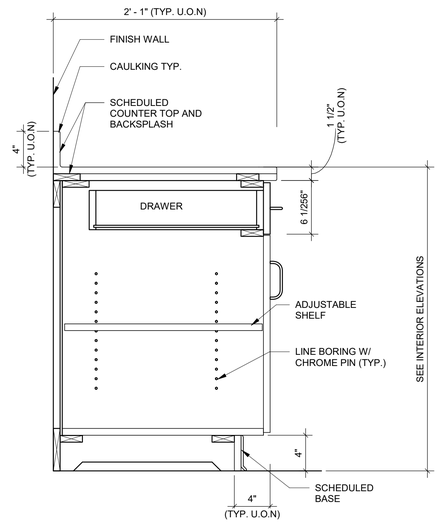
5 UPPER CABINET

A-507 | 1 1/2" = 1'-0"



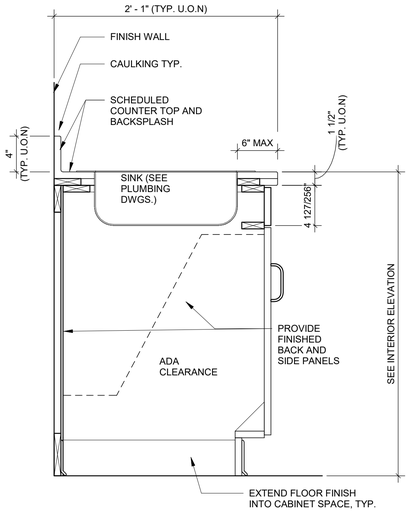
2 BREAKROOM INTERIOR ELEVATION

A-507 | 1/2" = 1'-0"



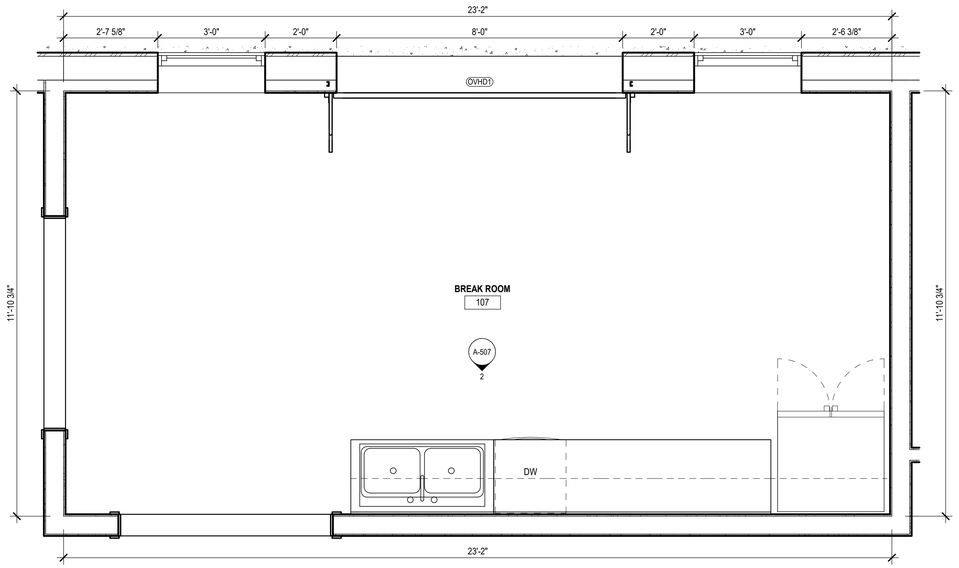
4 BASE CABINET W/ DRAWER

A-507 | 1 1/2" = 1'-0"



3 BASE W/ SINK ADA - TYPE B

A-507 | 1 1/2" = 1'-0"



1 ENLARGED BREAKROOM FLOOR PLAN

A-507 | 1/2" = 1'-0"

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014886
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

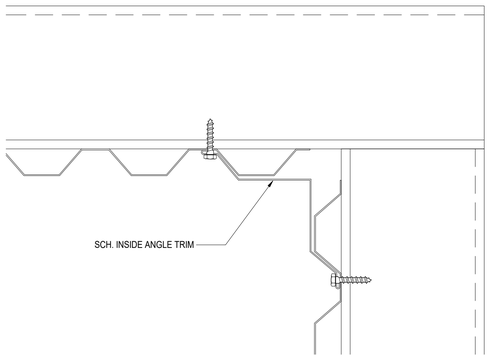
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

ENLARGED BREAKROOM FLOOR PLAN & ELEVATION

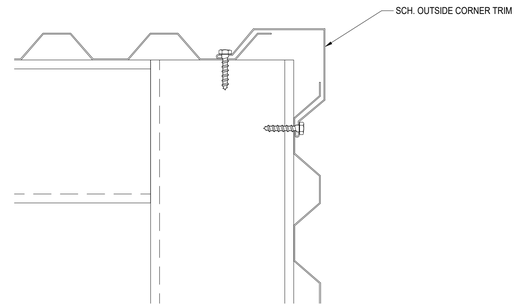
A-507

ISSUED FOR CONSTRUCTION

CSC.2024.01.007

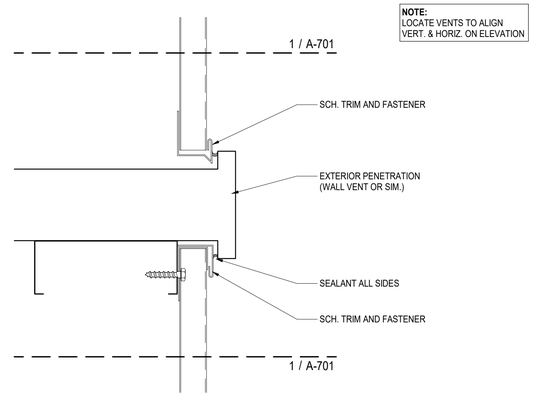


6 ENLARGED PLAN - ZEE, VERT MWP @ INSIDE CORNER
A-701 | 3" = 1'-0"

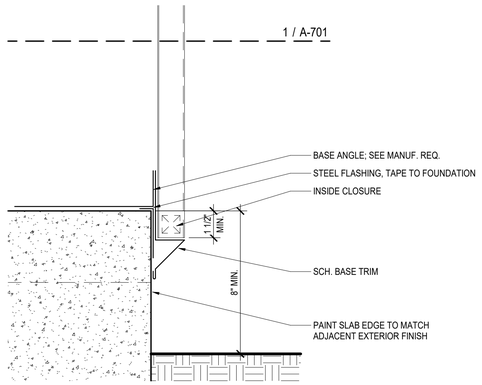


5 ENLARGED PLAN - ZEE, VERT. MWP @ OUTSIDE CORNER
A-701 | 3" = 1'-0"

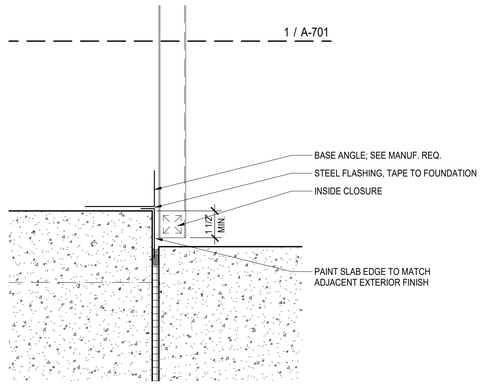
ALPHA BLDG SET 06-18-2026



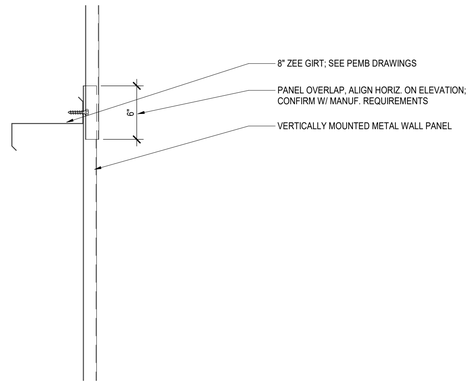
4 ENLARGED SECTION - ZEE, VERT. MWP @ PENETRATION
A-701 | 3" = 1'-0"



3 ENLARGED SECTION - ZEE, VERT. MWP @ GRADE
A-701 | 3" = 1'-0"



2 ENLARGED SECTION - ZEE, VERT. MWP @ FOUNDATION
A-701 | 3" = 1'-0"



1 ENLARGED SECTION - ZEE, VERTICAL MWP
A-701 | 1 1/2" = 1'-0"

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
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Phone: (770) 345-2579

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014686
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

ENLARGED DETAILS - ZEE, VERTICAL MWP

A-701

ISSUED FOR CONSTRUCTION

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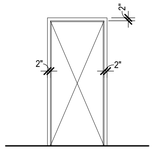
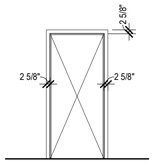
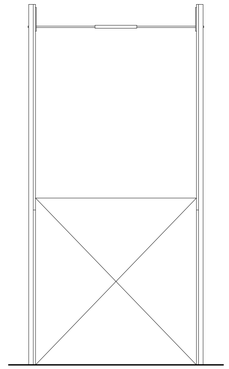
FRAME TYPES



FRAME TYPE HM
HOLLOW METAL

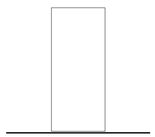


FRAME TYPE WC
WOOD CASED

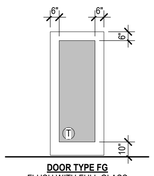


FRAME TYPE OHSV
OVERHEAD SECTIONAL VERTICAL LIFT
(BY MANUFACTURER)

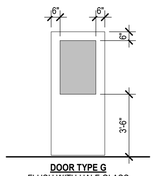
DOOR TYPES



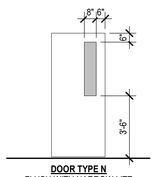
DOOR TYPE F
FLUSH



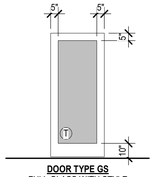
DOOR TYPE FG
FLUSH WITH FULL GLASS



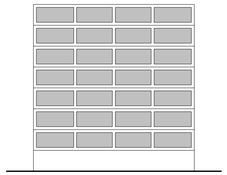
DOOR TYPE G
FLUSH WITH HALF GLASS



DOOR TYPE N
FLUSH WITH NARROW LITE



DOOR TYPE GS
FULL GLASS WITH STYLE



DOOR TYPE SFG
SECTIONAL WITH FULL GLASS SECTIONS
(BY MANUFACTURER)

DOOR AND FRAME GENERAL NOTES

1. UNDERCUT THE BOTTOMS OF DOORS TO CLEAR THE TOP OF FINISHED FLOOR, BY 1/2" MAXIMUM, U.N.O. VERIFY SLAB CONDITIONS AND TRIM EACH DOOR TO FIT CONDITION. WHERE RADICAL VARIATIONS IN FLOOR LEVEL EXIST, DOORS SHALL BE ORDERED WITH BOTTOM STILE SIZED TO ACCOMMODATE THESE UNDERCUT CONDITIONS.
2. ROUGH OPENING FOR DOOR; CONFIRM WITH MANUFACTURER FOR SHIMMING REQUIREMENTS.
3. CAULK THE JOINT BETWEEN THE FRAME AND WALL, ALL SIDES, WITH PAINTABLE WHITE LATEX CAULK.
4. CONTRACTOR SHALL REVIEW KEYING WITH OWNER PRIOR TO FITTING CYLINDERS. KEY CYLINDERS TO OWNER'S MASTER.
5. DOOR PANELS SHOWN FOR COORDINATION PURPOSES ONLY. COORDINATE FINAL PANEL DESIGN WITH INTERIOR DESIGN SCOPE.
6. LETTER 'T' ON GLAZING INDICATES LOCATION OF SAFETY GLAZING, SEE SCHEDULE FOR LOCATION. SAFETY GLASS TO COMPLY WITH IBC SECTION 2406.
7. ALL GLAZING IN EXTERIOR DOORS TO MATCH EXTERIOR WINDOW GLAZING.
8. ALL EXTERIOR DOORS SHALL BE INSULATED.
9. COORDINATE WITH MECHANICAL REQUIREMENTS FOR REQUIRED UNDERCUT IF ANY.
10. ALL INTERIOR SOLID WOOD DOOR FINISH TO BE NATURAL BIRCH TO BE FIELD OR FACTORY STAINED COLOR SELECTED BY OWNER.
11. GLASS & GLAZING, HOLLOW METAL, ALUMINUM FRAME, AND HARDWARE SUPPLIERS SHALL BE RESPONSIBLE FOR CODE COMPLIANCE FOR ALL MATERIAL FURNISHED.

HARDWARE NOTES:

1. HARDWARE TO BE LEVER ACTUATED PER ANSI A117.1
2. CYLINDER OPERATION BY LEVER
3. MAX. THRESHOLD HEIGHT 1/2"
4. CLOSERS SHALL HAVE A 3 SECOND SWEEP FROM 70° OPEN POSITION TO 3" FROM LATCH.
5. MAX DOOR OPENING FORCE 8.5 #/ PUSH/PULL
6. INTERIOR DOOR HANDLES THROUGHOUT TO BE SARGENT ND LEVEL; COLOR TO BE BLACK SUEDE POWDER COAT. DOOR HARDWARE COLOR TO MATCH DOOR HANDLES
7. DOOR HARDWARE SHALL NOT REQUIRE GRASPING, TIGHT PINCHING OR TWISTING OF WRIST TO OPERATE.

ABBREVIATION LEGEND

SCWD	-	SOLID-CORE WOOD
AL	-	ALUMINUM
HM	-	HOLLOW-METAL
WC	-	WOOD CASED
PTD	-	PAINTED
PRF	-	PRE-FINISHED
GL	-	GLASS

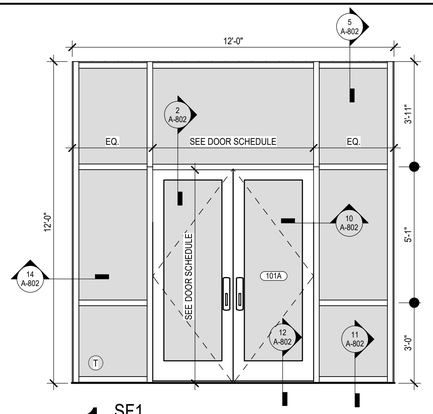
WINDOW GENERAL NOTES

1. LETTER 'S' ON GLAZING INDICATES LOCATION OF SAFETY GLAZING, SEE SCHEDULE FOR LOCATION. SAFETY GLASS TO COMPLY WITH IBC SECTIONS 2406 & 2407.
2. LETTER 'F' ON SASHES INDICATES THAT IT IS FIXED.
3. ALL GLAZING IN EXTERIOR WINDOWS TO BE LOW-E CLEAR GLAZING. BASIS OF DESIGN SOLARBAN 70 ON CLEAR 6MM (2) AIR 1/2" (12.7MM) CLEAR 6MM, SHGC 0.25
4. FIRE RATED WINDOWS & GLASS TO COMPLY WITH IBC SECTION 716.6.
5. ALL FRAMES TO BE BLACK ANODIZED ALUMINUM THERMALLY BROKEN.

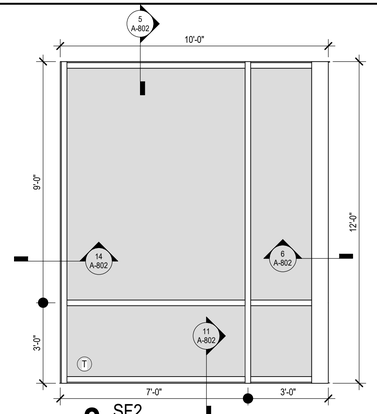
WINDOW NOTES:

1. ALL GLASS SHALL BE TEMPERED AS REQUIRED BY CODE ONLY
2. ALL DOOR LITES AND INTERIOR GLAZING SHALL BE 1/4" CLEAR TEMPERED

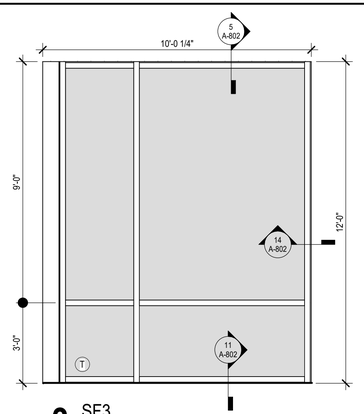
EXTERIOR STOREFRONT TYPES



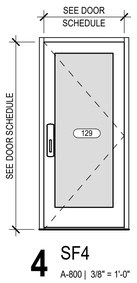
1 SF1
A-800 | 3/8" = 1'-0"



2 SF2
A-800 | 3/8" = 1'-0"

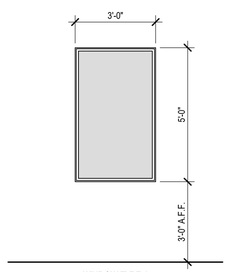


3 SF3
A-800 | 3/8" = 1'-0"



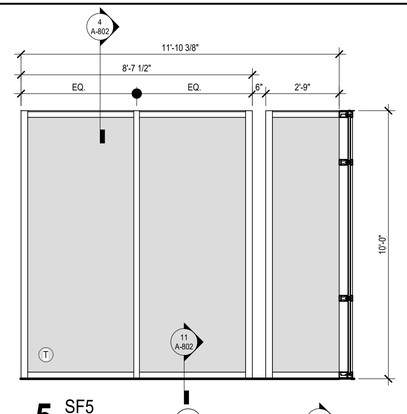
4 SF4
A-800 | 3/8" = 1'-0"

WINDOW TYPE

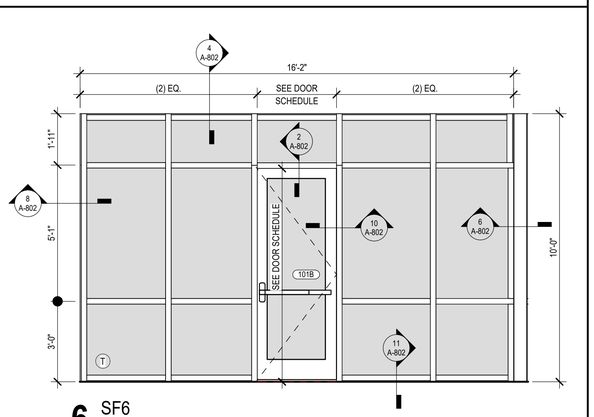


WINDOW TYPE A
FIXED WINDOW

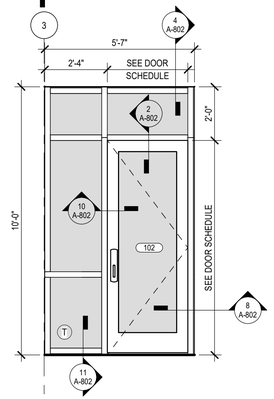
INTERIOR STOREFRONT TYPES



5 SF5
A-800 | 3/8" = 1'-0"



6 SF6
A-800 | 3/8" = 1'-0"



7 SF7
A-800 | 3/8" = 1'-0"

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
SUITE 100 CANTON, GA 30115
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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014488
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

DOOR AND FRAME ELEVATIONS & LEGEND

A-800

ISSUED FOR CONSTRUCTION

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DOOR SCHEDULE

Mark	ROOM	DOOR SIZE W	SIZE H	SIZE T	DOOR TYPE	DOOR MAT.	DOOR GLZ.	FRAME TYPE	FRAME MAT.	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	HARDWARE	NOTES
LEVEL 01														
101A	LOBBY	6'-0"	8'-0"	1"	GS	AL/GL	GL-01	SF1	AL	2 / A-802	14 / A-802	12 / A-802	SET 1	BALANCED OF HARDWARE BY STOREFRONT PROVIDER.
101B	LOBBY	3'-0"	8'-0"	1"	GS	AL/GL	GL-01	SF6	AL	2 / A-802	10 / A-802		SET 2	BALANCED OF HARDWARE BY STOREFRONT PROVIDER.
102	CONFERENCE	3'-0"	8'-0"	1"	GS	AL/GL	GL-01	SF7	AL	2 / A-802	8 / A-802		SET 2	BALANCED OF HARDWARE BY STOREFRONT PROVIDER.
103	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
104	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
105	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
106	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
107A	CORRIDOR	6'-0"	7'-0"	-	-	-	-	WC	WD	3 / A-802	7 / A-802	-	-	
107B	BREAK ROOM	6'-0"	7'-0"	-	-	-	-	WC	WD	3 / A-802	7 / A-802	-	-	
108	FILE	4'-0"	7'-0"	-	-	-	-	WC	WD	3 / A-802	7 / A-802	-	-	
109	COPY	6'-0"	7'-0"	-	-	-	-	WC	WD	3 / A-802	7 / A-802	-	-	
110	MEN'S RR	3'-0"	7'-0"	1 3/4"	F	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 4	
111	WOMEN'S RR	3'-0"	7'-0"	1 3/4"	F	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 4	
112	WOMEN'S RR	3'-0"	7'-0"	1 3/4"	F	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 4	
113	MEN'S RR	3'-0"	7'-0"	1 3/4"	F	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 4	
114	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
115	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
116	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
117	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
118	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
119	HR	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
120	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
121	BILLING	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
122	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
123	OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
124	RR	3'-0"	7'-0"	1 3/4"	F	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 5	
125	JC	3'-0"	7'-0"	1 3/4"	F	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 6	
126	EXEC. OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
127	RR	3'-0"	7'-0"	1 3/4"	F	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 5	
128	ELEC.	3'-0"	7'-0"	1 3/4"	F	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 6	
129	CORRIDOR	3'-0"	7'-0"	1"	GS	AL/GL	GL-01	SF4	AL	5 / A-802	14 / A-802	12 / A-802	SET 1	BALANCED OF HARDWARE BY STOREFRONT PROVIDER.
130	EXEC. OFFICE	3'-0"	7'-0"	1 3/4"	N	SCWD	N/A	HM	HM	H6 / A-803	J6 / A-803		SET 3	
131	FIRE RM	3'-0"	7'-0"	1 3/4"	F	HM	N/A	HM	HM	H1 / A-803	J4 / A-803	13 / A-802	SET 7	

HARDWARE SCHEDULE.

HARDWARE	Butts, 1 1/2 PR	Lockset	Privacy Set	Office Lockset	Storeroom Lockset	Passage Set	Push/Pull	Panic Hardware	Door Closer	Cylinder	Threshold	Weatherstripping	Door Stop	Drip Cap	Signage	Motor Operated	Chain Hoist	Insulated	Glass Tempered	Comments
SET 1										•									•	
SET 2							•		•				•						•	
SET 3	•			•									•							
SET 4	•		•										•		•					
SET 5	•		•										•							
SET 6	•				•				•											
SET 7	•				•				•		•	•						•		

OVERHEAD DOOR SCHEDULE

REV. #	TYPE MARK	ROOM	DOOR SIZE W	DOOR SIZE H	DOOR TYPE	DOOR MAT.	DOOR GLZ	FRAME TYPE	FRAME MAT.	HARWARE SET	NOTES
LEVEL 01											
	OVHD1	BREAK ROOM	8'-0"	8'-0"	SG	-	-	OHSV	-		OVERHEAD DOOR MANUFACTURER'S HARDWARE SET

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014886
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

DOOR SCHEDULE

A-801

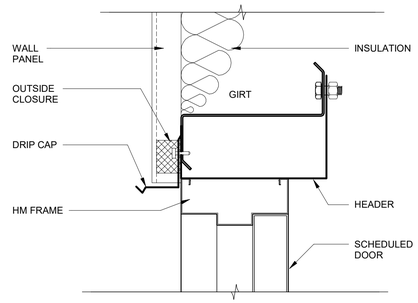
ISSUED FOR CONSTRUCTION

ALPHA BLDG SET 06-18-2026

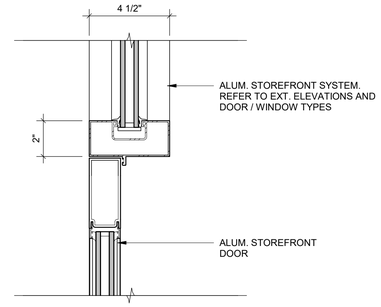
CSC.2024.01.007

ALPHA BLDG SET

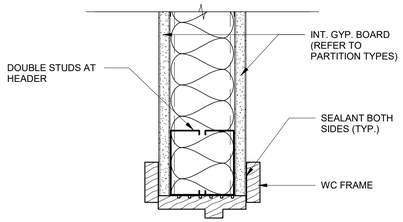
06-18-2026



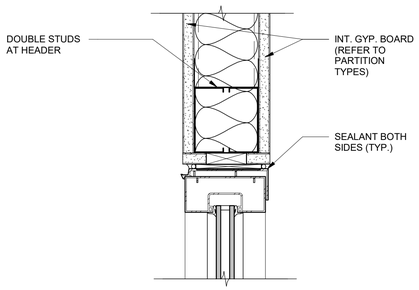
1 MTL. PANEL HEAD
A-802 | 3" = 1'-0"



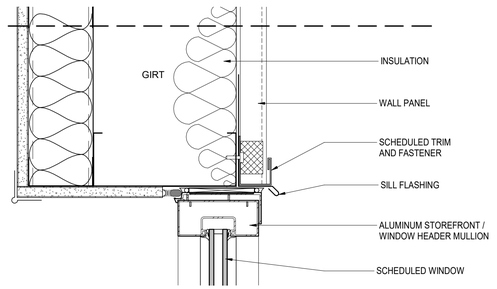
2 STOREFRONT HEAD
A-802 | 3" = 1'-0"



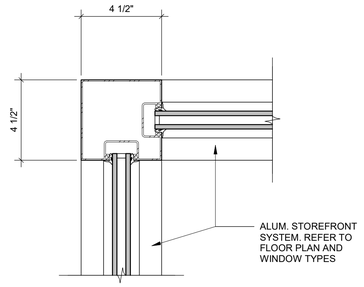
3 WOOD CASED HEAD
A-802 | 3" = 1'-0"



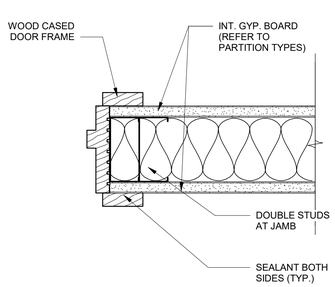
4 ALUM. STOREFRONT, INT. HEAD
A-802 | 3" = 1'-0"



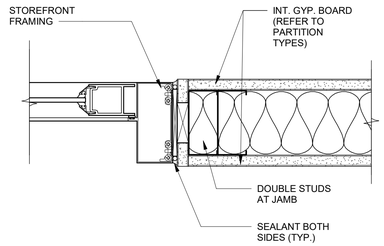
5 WINDOW HEADER - METAL WALL PANEL
A-802 | 3" = 1'-0"



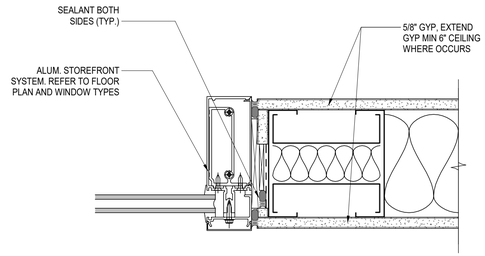
6 CORNER STOREFRONT
A-802 | 3" = 1'-0"



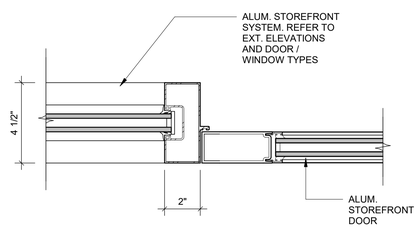
7 WOOD CASED JAMB
A-802 | 3" = 1'-0"



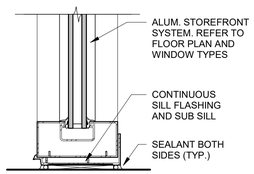
8 ALUM. INT. JAMB
A-802 | 3" = 1'-0"



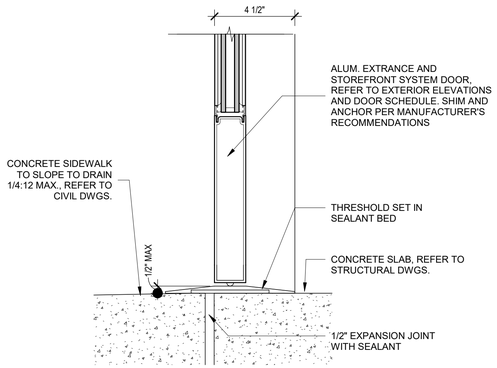
9 STOREFRONT JAMB - GYP
A-802 | 3" = 1'-0"



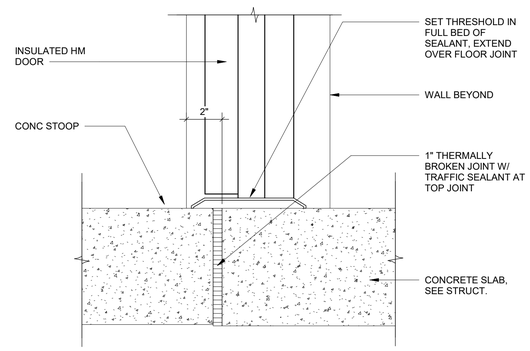
10 STOREFRONT / DOOR JAMB
A-802 | 3" = 1'-0"



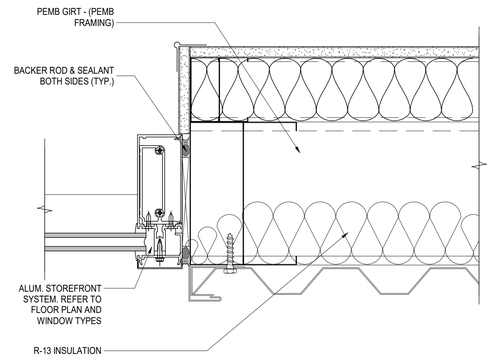
11 SILL STOREFRONT
A-802 | 3" = 1'-0"



12 SILL STOREFRONT DR
A-802 | 3" = 1'-0"



13 HM DOOR SILL
A-802 | 3" = 1'-0"



14 STOREFRONT / WINDOW JAMB - PEMB
A-802 | 3" = 1'-0"

CSC DESIGN, INC.
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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014686
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

266 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

STOREFRONT HEAD & JAMB DETAILS

A-802

ISSUED FOR CONSTRUCTION

Y:\Projects\25-038 Peach State Construction Office_Covington, GA\Arch\00 REVIT\25-038 Peach State Construction Office.rvt
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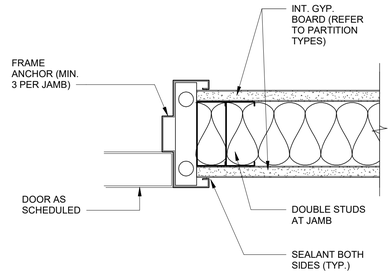
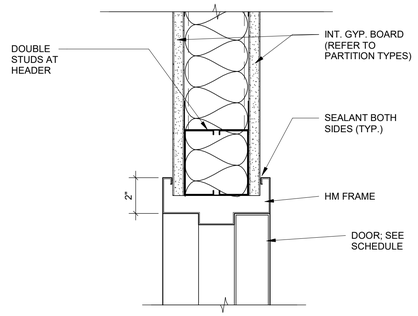
CSC.2024.01.007

ALPHA BLDG SET

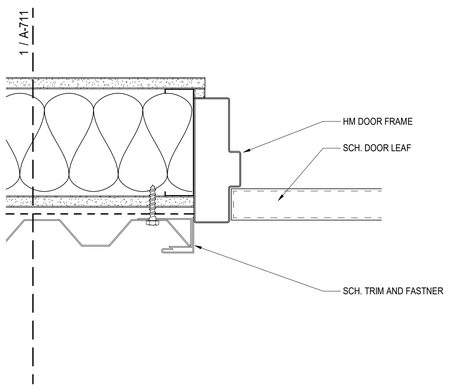
06-18-2026



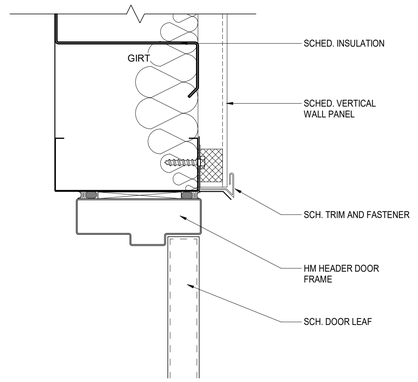
J6 HM TYP. JAMB
A-803 | 3" = 1'-0"



H6 HM TYP. DETAIL
A-803 | 3" = 1'-0"



J4 HM DOOR JAMB - METAL, VERT. MWP
A-803 | 3" = 1'-0"



H1 HM DOOR HEAD - ZEE, VERT. MWP
A-803 | 3" = 1'-0"

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KEVIN B. WHIPPLE
04/28/2026
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REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

DOOR HEAD & JAMB DETAILS - HM, METAL

A-803

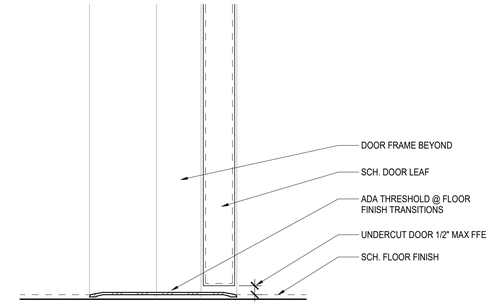
ISSUED FOR CONSTRUCTION

4/28/2026 4:13:45 PM Y:\Projects\25-038 Peach State Construction Office_Covington, GA\Arch\00 REVIT\25-038 Peach State Construction Office.rvt

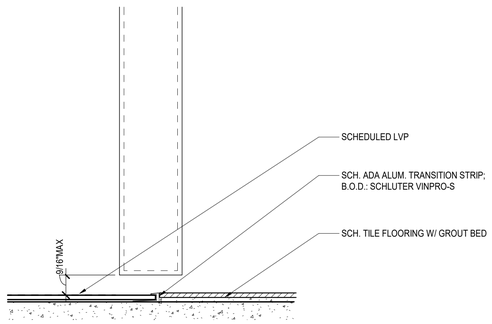
CSC.2024.01.007

ALPHA BLDG SET

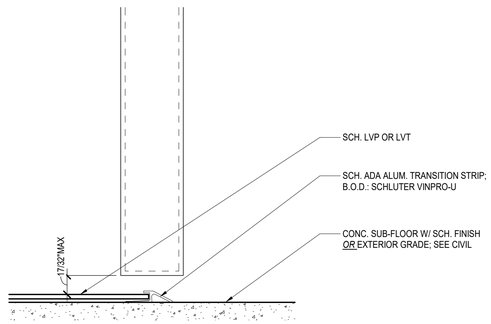
06-18-2026



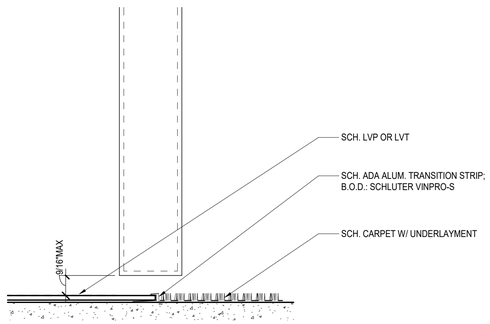
TR-05 TYP. DOOR SILL
A-806 | 3" = 1'-0"



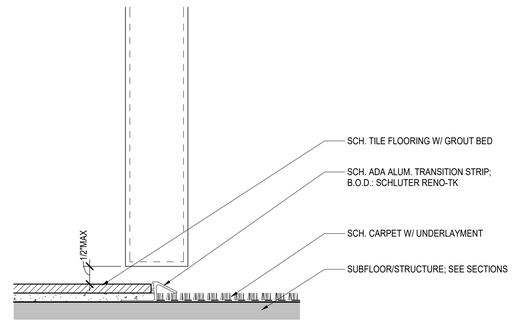
TR-04 DOOR SILL - LVP-01 / T-01
A-806 | 6" = 1'-0"



TR-03 DOOR SILL - LVP-01 / CIP-01
A-806 | 6" = 1'-0"



TR-02 DOOR SILL - LVP-01 / CPT-01
A-806 | 6" = 1'-0"



TR-01 DOOR SILL - T-01 / CPT-02
A-806 | 6" = 1'-0"

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STATE OF GEORGIA
KEVIN B. WHIPPLE
04/28/2026
CERTIFICATE NO. RA014589
REGISTERED ARCHITECT

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

DOOR SILL DETAILS

A-806

ISSUED FOR CONSTRUCTION

4/28/2026 4:13:46 PM Y:\Projects\25-038 Peach State Construction Office_Covington, GA\Arch\00 REVIT\25-038 Peach State Construction Office.rvt

GENERAL NOTES:

(THESE SPECIFICATIONS ARE IN ADDITION TO AND DO NOT EXCLUDE ANY FOUND IN THE GENERAL SPECIFICATIONS FOR THE PROJECT)

1. THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION; INCLUDING BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS REQUIRED. COMPLY WITH APPLICABLE REQUIREMENTS OF OSHA AND OTHER GOVERNING BODIES HAVING JURISDICTION AT THE SITE.

2. SHOP DRAWINGS FOR STRUCTURAL STEEL, JOIST, DECKING, AND COLD FORMED METAL TRUSSES SUBMITTALS SHALL COMPLY WITH THE FOLLOWING:

A. CONTRACTOR SHALL FURNISH COMPLETE AND DETAILED SHOP DRAWINGS PREPARED UNDER SUPERVISION OF A REGISTERED STRUCTURAL ENGINEER. THESE DRAWINGS SHALL SHOW SIZES, LOCATION, TYPE AND EXTENT OF ALL MEMBERS, BOLTS AND WELDS.

B. INDICATE THE DATE OF THE STRUCTURAL DRAWINGS USED FOR SHOP DRAWING PREPARATION.

C. INDICATE WELDS BY STANDARD AWS SYMBOLS AND SHOW SIZE LENGTH AND TYPE OF EACH WELD.

D. PROVIDE SETTING DRAWINGS, TEMPLATES AND DIRECTIONS FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORAGES TO BE INSTALLED BY OTHERS.

E. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS PRIOR TO SUBMITTAL FOR ENGINEERING REVIEW.

F. CONTRACTOR SHALL HAVE AN APPROVED SET OF STRUCTURAL STEEL SHOP DRAWINGS AND PROOF OF WELDER CERTIFICATION AT THE JOBSITE AT ALL TIMES.

G. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

H. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR BUILDING LOCATION AND ORIENTATION. COORDINATE ALL DIMENSIONS WITH ARCH. DRAWINGS. DO NOT SCALE DRAWING.

I. SECTIONS CUTS INDICATED ON THE DRAWINGS APPLY TO ALL LIKE AND SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE PLANS. COORDINATE SIMILAR CONDITIONS WITH ARCHITECTURAL, MECHANICAL, AND CIVIL DRAWINGS.

3. DESIGN LOADS:
THE BUILDING STRUCTURE DESCRIBED IN THESE PLANS SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE 2024 INTERNATIONAL BUILDING CODE w/ ALL GEORGIA STATE AMENDMENTS. USE ASCE 7-22 CHAPTER 2 FOR ALL LOAD COMBINATIONS AND LOADS NOT INDICATED HEREIN.

A. GRAVITY LOADS
DEAD LOADS:
ROOF: PER METAL BUILDING MANUFACTURER

LIVE LOADS:
ROOF: 20 PSF (REDUCED PER CODE)
FLOOR: 125 PSF (LIGHT STORAGE)

B. SNOW LOADS:
GROUND SNOW LOAD (Pg): 15 PSF
SNOW EXPOSURE FACTOR (Ce): 0.9
THERMAL FACTOR (Ct): 1.0

C. WIND LOADS:
BASIC WIND SPEED(3 SEC. GUST): 105 MPH
RISK CATEGORY: II
EXPOSURE CATEGORY: B
INTERNAL PRESSURE (GCpi): +/-0.18

REFER TO ASCE-7-22 FOR COMPONENT & CLADDING LOADS

DRIFT LIMIT FOR P.E.M.B w/ MASONRY VENEER H/200

D. SEISMIC DESIGN CRITERIA:
SEISMIC IMPORTANCE FACTOR (Ie): 1.00
RISK CATEGORY: II
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss: 0.240
S1: 0.091
SITE CLASS: D
S(DS): 0.200g
S(D1): 0.127g
SEISMIC DESIGN CATEGORY: B
BASIC SEISMIC FORCE RESISTING SYSTEM:
STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
SEISMIC RESPONSE COEFFICIENT (Cs): 0.0667
RESPONSE MODIFICATION FACTORS (R): 3.0
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

4. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE AND SIMILIAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.

FOUNDATION NOTES:

1. SEE REINFORCED CONCRETE NOTES FOR CONCRETE STRENGTH REQUIRMENTS. EXTERIOR CONCRETE SHALL BE AIR ENTRAINED TO 6% +/- 1 1/2%

2. SEE ARCHITECTURAL DRAWINGS FOR SIDE WALK EXTENTS, PLANTER, AND PAVER LOCATIONS, CONCRETE PADS STAIRS, SEE ARCH. FOR DIMENSIONS AT INTERIOR MASONRY PARTITIONS, AND DETAILS.

3. COORDINATE FINISHED FLOOR ELEVATIONS (F.F.E.) WITH ARCH. AND CIVIL DRAWINGS.

4. REFERENCE FFE = 0.0'

5. FOUNDATION DESIGN IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2000 PSF .

6. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY A GEORGIA REGISTERED GEOTECHNICAL ENGINEER OR TESTING AGENCY PRIOR TO PLACING ANY FOUNDATION CONCRETE. CONTACT STRUCTURAL ENGINEER IF THE ALLOWABLE SOIL BEARING PRESSURE IS LESS THAN 2000 PSF.

7. ALL EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 1'-8" BELOW F.F.E. AND A MINIMUM OF 0'-8" BELOW ADJACENT EXTERIOR FINISH GRADE, UNLESS NOTED OTHERWISE

8. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING OR NEW UTILITIES. LOWER FOUNDATION AS REQUIRED TO AVOID INTERFERENCE WITH UTILITIES, EXCEPT WHERE ZERO LOT LINE FOOTINGS ARE LOCATED PARALLEL TO ADJACENT BUILDINGS. REFER TO THE FOUNDATION FOUNDATION PLAN FOR FOOTING STEPS AT ADJACENT BUILDINGS - CONTACT ARCH./STRUCTURAL ENGINEER IF A CONFLICT OCCURS.

9. CONSULT WITH A GEORGIA REGISTERED GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION. IF THERE IS A CONFLICT BETWEEN GEOTECHNICAL ENGINEEER AND STRUCTURAL PLANS THEN THE MORE STRINGENT CRITERIA SHALL APPLY UNLESS OTHERWISE DIRECTED BY AN RFI.

11. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2" INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTING AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.

12. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONTIOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.

CONCRETE SLAB NOTES:

1. SEE REINFORCED CONCRETE NOTES FOR CONCRETE STRENGTH REQUIREMENTS.

2. FLOOR SLABS ON GRADE SHALL BE FLOOR SLAB SHALL BE 4" THICK 3000 PSI CONCRETE REINFORCED w/ 6X6-W1.4/W1.4 WWR. SEE CIVIL PLANS FOR FINISHED FLOOR ELEVATIONS. COORDINATE VAPOR BARRIER REQUIREMENTS w/ ARCHITECTURAL AND GEOTECHNICAL ENGINEER REQUIREMENTS, PROVIDE 10 MIL (MIN) POLYETHYLENE VAPOR BARRIER WITH JOINTS LAPPED 6" AND TAPED UNDER ALL INTERIOR SLABS. REFER TO GEOTECHNICAL ENGINEER FOR BELOW SLAB ON GRADE, SUBGRADE PREPARATION REQUIREMENTS.

3. WHERE SPECIFIC CONTROL JOINT LOCATIONS ARE NOT INDICATED, PROVIDE CONTROL/CONSTRUCTION JOINTS SUCH THAT NO AREA EXCEEDS 144 SQUARE FEET NOR SHALL THE LENGTH OF ANY PANEL EXCEED 1.5 TIMES THE WIDTH. SEE DETAILS ON S3.1 AND ARCHITECTURAL CONCRETE PLACEMENT PLAN.

4. CONDUITS AND PIPES EMBEDDED IN SLABS:
SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE-THIRD THE OVERALL THICKNESS OF THE SLAB. SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS OR WIDTHS ON CENTER. A MINIMUM SLAB THICKNESS OF 2 1/2" MUST BE MAINTAINED OVER THE EMBEDDED CONDUITS OR PIPES.

5. COORDINATE THE EXACT LOCATION AND EXTENTS OF ALL FLOOR SLOPES, RECESSED AREAS AND DRAIN LOCATIONS WITH ARCHITECTURAL AND PLUMBING DRAWINGS.

REINFORCED CONCRETE NOTES:

1. STRUCTURAL MEMBERS OF REINFORCED CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI318.

2. ALL CONCRETE SHALL HAVE A SLUMP OF 4" (+-1") (SUPER PLASTICIZER/WATER REDUCING ADMIXTURES MAY BE ADDED TO ANY MIX PER THE PROJECT SPECIFICATIONS AND THE APPROVED MANUFACTURERS SPECIFICATIONS TO INCREASE WORKABILITY AND/OR TO IMPROVE THE FLOW CHARACTERISTICS OF CONCRETE. KEYSTONE STRUCTURAL ENGINEERING, P.C. HAS NO CONTROL OVER OR PREDICTION OF THE IMPACT ON SLUMP OF ADDING SUCH SUPER PLASTICIZER/WATER REDUCING ADMIXTURES.) AND A MINIMUM 28 DAY COMPRESSIVE STRENGTH:
A. FOOTINGS: 3000 PSI (0.50 MAXIMUM WATER/CEMENT RATIO)
B. WALLS: 3000 PSI (0.50 MAXIMUM WATER/CEMENT RATIO)
C. SLAB ON GRADE: 3000 PSI (540 LBS/CUBIC YARD MINIMUM CEMENTITIOUS MATERIAL & 0.50 MAXIMUM WATER/CEMENT RATIO)

3. LIMIT PERCENTAGE, BY WEIGHT, OF CEMENTITIOUS MATERIALS OTHER THAN PORTLAND CEMENT IN CONCRETE TO 25%.

4. AIR CONTENT: 6% (+/- 1.5%) AT POINT OF DELIVERY FOR 1" NOMINIAL MAXIMUM AGGREGATE SIZE.

5. AIR CONTENT: DO NOT ALLOW AIR CONTENT OF TROWEL-FINISHED FLOORS TO EXCEED 3%.

6. ALL STEEL REINFORCEMENT SHALL BE ASTM 615-GRADE 60. ALL WELDED STEEL REINFORCEMENT SHALL BE ASTM A706-GRADE 60. WELDED WIRE REINFORCEMNET SHALL BE ASTM A185. ALL WELDED REINFORCEMENT SHALL BE IN ACCORDANCE WITH AWS D1.4.

7. MINIMUM CONCRETE COVER FOR REINFORCING STEEL: (UNO)

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"

B. CONCRETE EXPOSED TO EARTH AND WEATHER:
#5 REBAR AND SMALLER: 1 1/2"
#6 REBAR AND LARGER: 2"

C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH.
SLABS, WALLS, AND JOISTS:
#14 OR #18 REBARS: 1 1/2"
#11 REBAR AND SMALLER: 3/4"
BEAMS AND COLUMNS: 1 1/2"

8. UNLESS NOTED OTHERWISE, CAST IN PLACE CONCRETE SHALL HAVE THE FOLLOWING STEEL ADDED AROUND ALL OPENINGS:
2-#5 (LENGTH OF OPENING+ 48") ALONG EACH SIDE OF OPENING AND
TWO (2)-#5x5'-0" DIAGONALLY AT EACH CORNER.

9. ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE AT JOB SITE.

10. ALL LAP SPLICE LENGTHS SHALL BE AS SHOWN IN TABLE 2 THIS SHEET

STEEL NOTES:

1. STRUCTURAL STEEL:
A. SHALL CONFORM TO THE LATEST STANDARDS OF ASTM:
WIDE FLANGE BEAMS: A992
OTHER STRUCTURAL STEEL SHAPES, PLATES AND BARS: A36
HOLLOW STRUCTURAL STEEL SECTIONS (ROUND AND RECTANGULAR): A500 GRADE B
STRUCTURAL STEEL PIPE: A53 GRADE B

B. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-05) USING ALLOWABLE STRESS DESIGN.

2. WELDS:
A. PROVIDE MINIMUM SIZE OF FILLET WELDS AS SPECIFIED IN TABLE J2.4 OF THE AISC MANUAL.

B. HEADED STUDS (SHEAR AND ANCHOR) AND DEFORMED ANCHORS:
PROVIDE HEADED STUDS (SHEAR AND ANCHOR) MADE OF MATERIAL CONFORMING TO ASTM A 108.
(1) PROVIDE DEFORMED ANCHORS MADE OF MATERIAL CONFORMING TO ASTM A 496.
(2) WELD STUDS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. MANUAL ARC (STICK) WELDING OF HEADED STUDS AND/OR DEFORMED ANCHORS IS NOT ALLOWED.

3. COLD FORMED STEEL FRAMING
A. COLD FORMED STEEL FRAMING STRENGTH CRITERIA:
(1) 18 MIL-43 MIL - 33 KSI MIN. YIELD STRESS
(2) 54 MIL-97 MIL - 50 KSI MIN. YIELD STRESS
(3) RUNNER TRACK - 33 KSI MIN. YIELD STRESS (UNO)

B. ATTACH METAL FRAMING TO PRIMARY STRUCTURE WITH A DEFLECTION TRACK OR A STEEL NETWORK INC. VERTICAL DEFLECTION CLIPS CAPABLEOF ALLOWING 1" OF VERTICAL DEFLECTION IF WALL FRAMING IS SUPPORTED BY SLAB ON GRADE OR OTHER RIGID SUPPORT.

C. PLACE ALL COLD-FORMED STEEL STUD WALL BRIDGING HORIZONTALLY WITH A MAXIMUM VERTICAL SPACING OF 4 FEET UNLESS NOTED OTHERWISE. AS AN OPTION, CONTINUOUS COLD-FORMED CHANNELS MAY BEPOSITIONED THROUGH THE STUD PUNCH OUTS AS BRIDGING PROVIDED THE CHANNEL IS PROPERLY FASTENED TO EACH STUD. PROVIDE MANUFACTURERS RECOMMENDED BRIDGING TO BOTH FLANGES OF MEMBER IF FLANGE IS NOT PERMANENTLY BRACED WITH GYPSUM OR PLYWOOD SHEATHING.

D. PLUMB, ALIGN, AND SECURELY ATTACH STUDS TO THE FLANGES OF BOTH UPPER AND LOWER RUNNERS. SPLICES IN STUDS ARE NOT PERMITTED.

E. PROVIDE HEADERS AND SUPPORTING STUDS FOR FRAMING OF WALL OPENINGS.

F. STABILITY BRIDGING SHALL BE INSTALLED AT A MAXIMUM 4'-0" O.C. FOR SUSPENDED SOFFITS UNLESS NOTED OTHERWISE.

4. METAL STUD FASTENERS:
A. SCREW CONNECTIONS
USE #10-16 KWIK-FLEX SELF-DRILLING SCREWS OR APPROVED EQUAL UNLESS OTHERWISE NOTED. 4 SCREWS PER CONNECTION MIN., UNLESS NOTED OTHERWISE OR A PRE-ENGINEERED TRUSS.

B. POWER DRIVEN FASTENERS:
(1) FASTENING TO CONCRETE:
USE 0.145" DIA. DOME HEAD NAIL TYPE "X-ZF" BY HILTI OR APPROVED EQUAL UNLESS NOTED OTHERWISE.
MIN. EMBEDMENT = 1 1/4"MIN. EDGE DISTANCE = 2"
MIN. SPACING = 3" MAX. SPACING = 12"
(2) FASTENING TO STEEL:
USE 0.145" DIA. DOME HEAD KNURLED SHANK FASTENER TYPE "X-EDNI" BY HILTI OR APPROVED EQUAL UNLESS NOTED OTHERWISE.
MIN. EMBEDMENT = FULL PENETRATION
MIN. EDGE DISTANCE = 1/2"
MIN. SPACING = 1 1/2" MAX. SPACING 12"
(3) PINS SHALL BE LOCATED 1/2" FROM OUTSTANDING LEG OF CLIP ANGLES WHERE ATTACHING TO STRUCTURAL STEEL ANGLES.

5. PRE-ENGINEERED METAL STUD TRUSSES:
A. PRE-ENGINEERED TRUSSES AND THEIR ATTACHMENT TO THE STRUCTURAL STEEL FRAMING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA. SHOP DRAWINGS SHALL BE SUBMITTED TO ARCH. FOR REVIEW.

B. METAL STUD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH AISI-TRUSS.

POST-INSTALLED ANCHORS

1) EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC.

a) **ANCHORAGE TO CONCRETE**
i) ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
(1) **HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM** WITH HAS-E THREADED ROD PER ICC ESR-3187.

b) **REBAR DOWELING INTO CONCRETE**
i) ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
(1) **HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM** WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3187.

c) **ANCHORAGE TO SOLID GROUTED MASONRY**
i) ADHESIVE ANCHORS USE:
(1) **HILTI HIT-HY 200 MASONRY ADHESIVE ANCHORING SYSTEM**.
(2) STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR

d) **ANCHORAGE TO HOLLOW / MULTI-WYTHE MASONRY**
i) ADHESIVE ANCHORS USE:
(1) **HILTI HIT-HY 70 MASONRY ADHESIVE ANCHORING SYSTEM** PER ICC ESR-3342.
(2) STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR
(3) THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S RECOMMENDATION

2) ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY HILTI OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.

3) INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.

4) THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

6) ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS AND IN MANUFACTURERS INSTALLATION INSTRUCTIONS.

7) ALL POST INSTALLED ANCHORS SHALL BE INSPECTED BY THE SPECIAL INSPECTOR TO INSURE INSTALLATION PROCEDURES ARE FOLLOWED AND ANCHORS ARE INSTALLED PER THE CONTRACT DOCUMENTS.

SPECIAL INSPECTION NOTES:

A. THE SPECIAL INSPECTOR SHALL BE ENGAGED BY THE OWNER. SPECIAL INSPECTOR SHALL BE FULLY QUALIFIED, APPROVED BY THE BUILDING OFFICIAL, REGISTERED BY APPLICABLE REGISTRATION BOARD IF REQUIRED BY THE LOCAL BUILDING OFFICIAL, AND SHALL BE ACCEPTABLE TO THE ARCHITECT.

B. THE SPECIAL INSPECTOR SHALL PROVIDE VERIFICATION OF CONSTRUCTION QUALITY CONTROL INSPECTIONS AND TESTING. THE SPECIAL INSPECTOR SHALL CERTIFY THAT ALL WORK REQUIRING INSPECTION IS PERFORMED IN COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS, BUILDING CODE REQUIREMENTS AND LOCAL BUILDING DEPARTMENT REQUIREMENTS.

C. SPECIAL INSPECTIONS ARE REQUIRED FOR THE ITEMS NOTED IN THE STATEMENT OF SPECIAL INSPECTIONS AND THE 2024 IBC CHAPTER 17. THE CONTRACTOR SHALL OBTAIN A COPY OF THE STATEMENT OF SPECIAL INSPECTIONS AND NOTIFY THE SPECIAL INSPECTOR WHEN WORK IS READY TO BE INSPECTED.

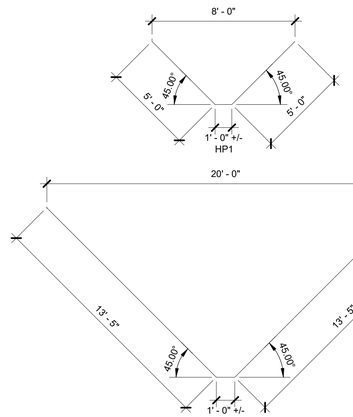
D. FAILURE TO NOTIFY THE SPECIAL INSPECTOR PRIOR TO OBSCURING AN ITEM REQUIRING INSPECTION MAY RESULT IN THE CONTRACTOR REMOVING OTHER WORK TO ALLOW INSPECTION. THIS WORK WILL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE. FAILURE TO HAVE REQUIRED ITEMS INSPECTED IS REASON FOR REJECTION OF THE WORK.

E. PREMATURE NOTIFICATION FOR INSPECTIONS WILL RESULT IN ADDITIONAL INSPECTION WITH ALL EXPENSES AND FEES PAID FOR BY THE CONTRACTOR.

F. SEE SHEET S5.1 FOR SPECIAL INSPECTION CHECKLIST.

ALPHA BLDG SET

06-18-2026

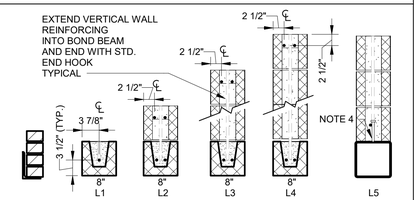


1 S0.1 **HAIRPIN DETAIL**
1/4" = 1'-0"

LIST OF ABBREVIATIONS

FOB: FACE OF BRICK	LO: LOW CONDITION
FOA: FACE OF ANGLE	HI: HIGH CONDITION
FOS: FACE OF STUD	TOW: TOP OF WALL
TOB: TOP OF BEAM	SDS: SELF DRILLING SCREW
BOC: BOTTOM OF CHANNEL	FOC: FACE OF CHANNEL
T&B: TOP AND BOTTOM	TOF: TOP OF FOOTING
TOA: TOP OF ANGLE	SIM: SIMILAR CONDITION
BOA: BOTTOM OF ANGLE	W.P.: WORKING POINT
LLV: LONG LEG VERTICAL	UNO.: UNLESS NOTED OTHERWISE
LLH: LONG LEG HORIZONTAL	B.P.: BASE PLATE
SW: MASONRY SHEAR WALL	PAF: POWER ACTUATED FASTENERS
TOS: TOP OF SLAB	S.F: STEP FOOTING
T/COL: TOP OF COLUMN	B/COL: BOTTOM OF COLUMN
P.E.M.B: PRE-ENGINEERED METAL BUILDING	FOT: FACE OF TUBE

MASONRY LINTEL SCHEDULE



OPENING WIDTH							
MINIMUM	MAXIMUM	LEDGE ANGLE	8" DEEP	16" DEEP	32" DEEP	48" DEEP	
-	3'-4"	L3 1/2 x 3 1/2 x 1/4	1 - #4	-	-	-	
3'-4"	5'-4"	L3 1/2 x 3 1/2 x 1/4	1 - #5	4 - #5	-	-	
5'-4"	7'-4"	L5 x 3 1/2 x 1/4	-	4 –#5	-	-	
7'-4"	10'-0"	L6 x 4 x 3/8	-	-	4- #5	-	
10'-0"	13'-0"	-	-	-	-	4 - #5	
12'-0" INTERIOR ONLY	17'-0" INTERIOR ONLY	L6 x 4 x 3/8	-	-	-	4 - #5	

1. EXTEND BOND BEAM REINFORCING 24" or 40 Db BEYOND THE EXTENTS OF THE OPENING. VERTICAL REINFORCING AT THE SIDES OF THE OPENING SHALL BE CONTINUOUS THROUGH THE BOND BEAM. PROVIDE KNOCK OUTS IN THE BOTTOM OF THE BOND BEAM BLOCK AS REQUIRED TO ALLOW REINFORCING TO PASS THROUGH.
2. SEE DETAIL 1/S3.2 AND PLANS FOR ADDITIONAL REINFORCING REQUIRED AT OPENINGS.
3. PROVIDE 4" PER 4" OF WYTHE THICKNESS BEARING FOR STEEL ANGLE LINTELS AT EACH END.
4. PROVIDE 1/2" DIAMETER 5" LONG HEADED CONCRETE ANCHORS AT 24" O.C. WELDED TO HSS.
5. HSS STEEL LINTEL AND STEEL ANGLES SHALL BE GALVANIZED AT EXTERIOR APPLICATIONS.

REINFORCED CONCRETE TENSION LAP SPLICE LENGTHS TABLE 2 (INCHES)

BAR SIZE	f`c=3000 PSI	f`c=4000 PSI
#3	25	21.3
#4	33	29
#5	41	36
#6	49	43
#7	72	62

MASONRY REINFORCING LAP LENGTH

BAR SIZE	6" CMU	8" CMU	12" CMU
#3	27"	27"	27"
#4	36"	36"	36"
#5	45"	45"	45"
#6	70"	54"	54"

DRAWING INDEX

Sheet Number	Sheet Name
S0.1	STRUCTURAL GENERAL NOTES & SCHEDULES
S1.1	FOUNDATION PLAN
S3.1	FOUNDATION DETAILS
S3.2	FOUNDATION & MASONRY DETAILS
S5.1	SCHEDULE OF SPECIAL INSPECTIONS

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Suite 100, Canton, GA 30115

SHEET TITLE
STRUCTURAL GENERAL NOTES & SCHEDULES

Date:
04/24/2026

PROJECT NUMBER
26-114

SHEET NUMBER
S0.1

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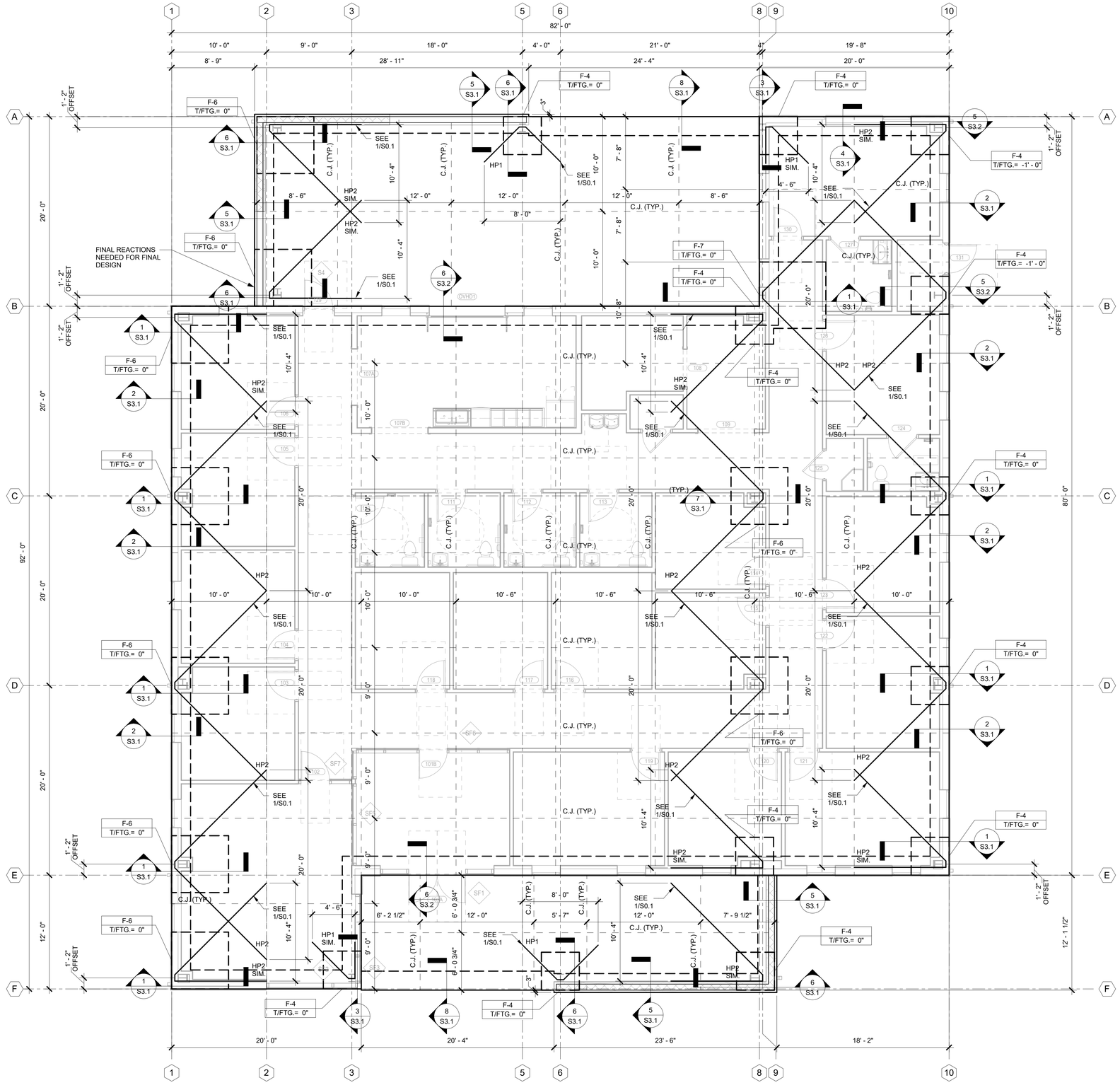

1 S1.1 **Foundation Plan**
3/16" = 1'-0"

ALPHA BLDG SET 06-18-2026

HAIRPIN SCHEDULE	
MARK	HAIRPIN REINFORCING
HP1	#4 HAIRPIN
HP2	#6 HAIRPIN

PRE-ENGINEERED METAL BUILDING NOTES:

1. P.E.M.B. MANUFACTURER COORDINATED SUSPENDED MECHANICAL UNITS AND LOADS WITH MECHANICAL DRAWINGS

2.P.E.M.B. MANUFACTURER COORDINATE X BRACING AND/OR PORTAL FRAME COLUMN LOCATIONS WITH ARCHITECTURAL

3. FOUNDATIONS INDICATED ARE BASED ON PRELIMINARY LOADS AND LAYOUT. FINAL FOUNDATION LOCATION AND DETAILS WILL BE DETERMINED AFTER FINAL P.E.M.B. MANUFACTURER LOADS ARE SUBMITTED

FOUNDATION NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR INTERIOR WALL DIMENSIONS AND SLAB CONTROL JOINT LOCATIONS.

2. 4" THICK 3000 PSI CONCRETE SLAB REINFORCED w/ 6X6-W1.4/W1.4 WWR LOCATED MID-DEPTH OF SLAB. REFER TO GEOTECHNICAL ENGINEER FOR SLAB ON GRADE/SUBGRADE PREPARATION REQUIREMENTS. REFER TO ARCHITECTURAL FOR RECESSES AND CONTROL JOINT LOCATIONS.

3. ALL CONCRETE WORK SHALL CONFORM TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".

4. FINISH FLOOR ELEVATION: SEE CIVIL

Structural Foundation Schedule

Type Mark	*Footing Dimensions*	*Reinforcing*	*Remarks*
F-4	4'-0"x4'-0"x2'-0"	(4) - #5 EACH WAY	TOP AND BOTTOM
F-6	6'-0"x6'-0"x2'-0"	(6) - #5 EACH WAY	TOP AND BOTTOM
F-7	7'-0"x7'-0"x2'-0"	(7) - #5 EACH WAY	TOP AND BOTTOM

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SHEET TITLE

FOUNDATION PLAN

Date:
04/24/2026

PROJECT NUMBER
26-114

SHEET NUMBER
S1.1

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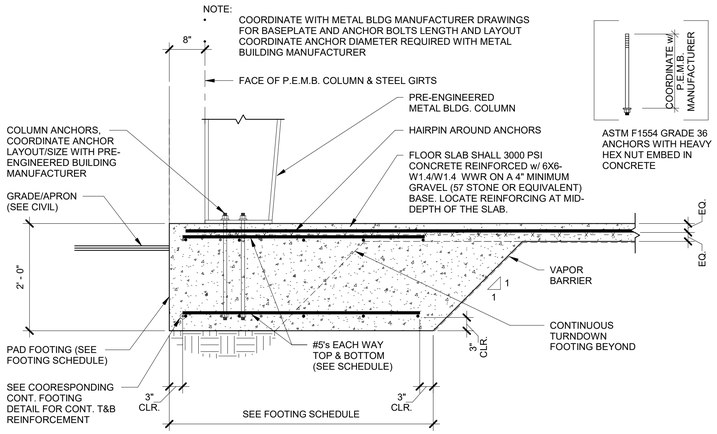
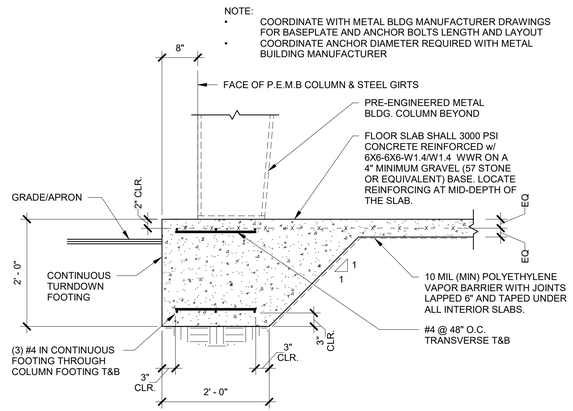
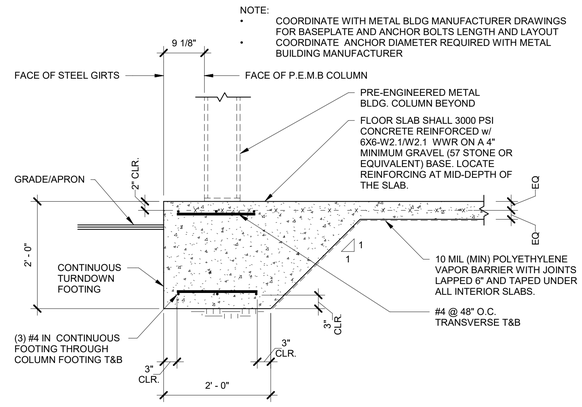


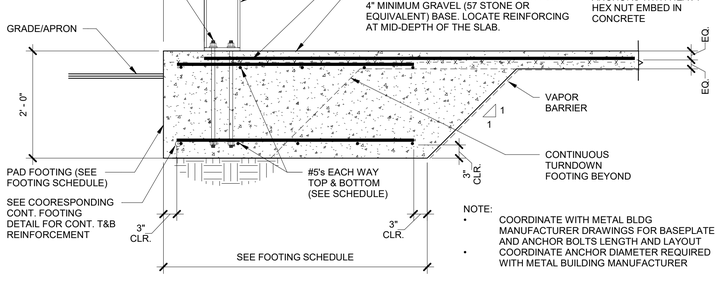
1 S3.1 **FOUNDATION SECTION**
3/4" = 1'-0"



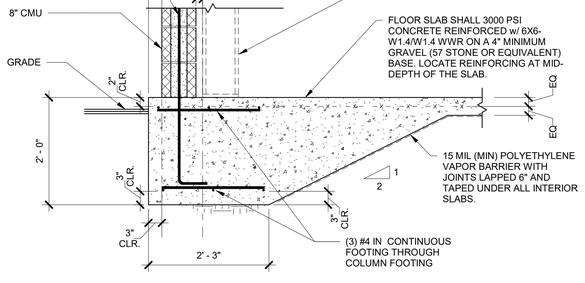
2 S3.1 **FOUNDATION SECTION**
3/4" = 1'-0"



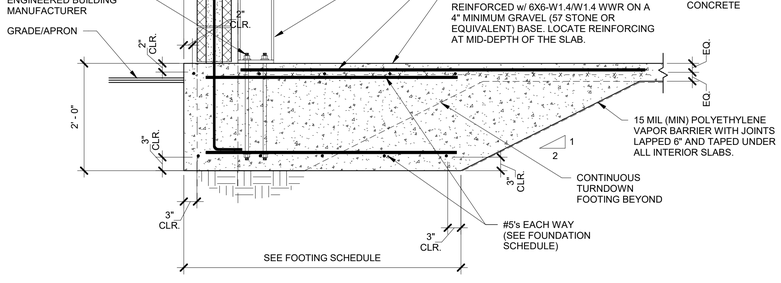
4 S3.1 **FOUNDATION SECTION**
3/4" = 1'-0"



3 S3.1 **FOUNDATION SECTION**
3/4" = 1'-0"



5 S3.1 **WALL SECTION**
3/4" = 1'-0"



6 S3.1 **WALL SECTION**
3/4" = 1'-0"

ALPHA BLDG SET 06-18-2026

7 S3.1 **FOUNDATION SECTION**
3/4" = 1'-0"

9 S3.1 **CONTROL JOINT DETAILS**
3/4" = 1'-0"

8 S3.1 **EDGE TURN-DOWN @ CONCRETE APRON PADS**
3/4" = 1'-0"

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SHEET TITLE
FOUNDATION DETAILS

Date:
04/24/2026

PROJECT NUMBER
26-114

SHEET NUMBER
S3.1

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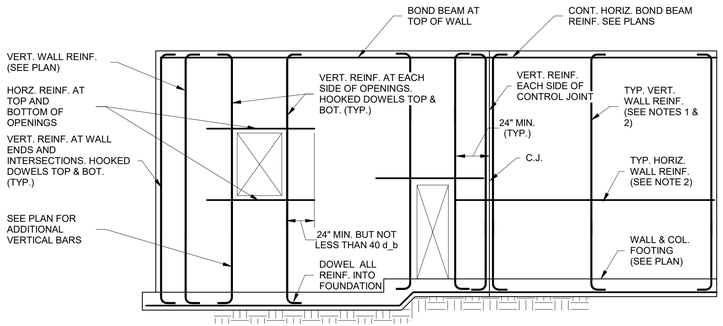
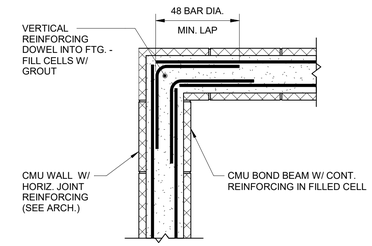


NOTES:

1. SEE MASONRY NOTES ON S1.0, PLANS AND DETAILS FOR REINFORCING SIZE AND SPACING.
2. STANDARD (9 GA.) HORIZONTAL REINFORCING @ 16" o.c. (UNO)
3. SEE REINF. MASONRY NOTES, PLANS AND DETAILS FOR OTHER REQUIRED REINFORCING SIZE AND SPACING.
4. d_b = BAR DIAMETER

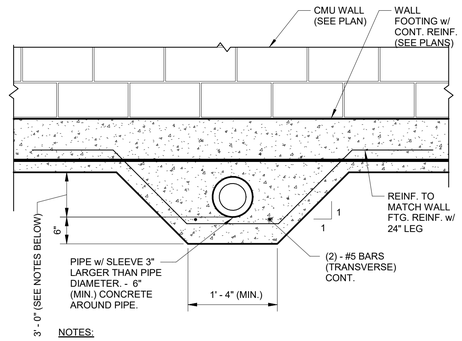
1 S3.2 MASONRY WALL REINFORCING

3/4" = 1'-0"



3 S3.2 CORNER WALL DETAIL

3/4" = 1'-0"



NOTES:

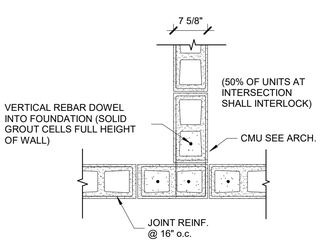
1.) COORDINATE THE EXACT LOCATION AND EXTENT OF ALL PLUMBING PIPES WITH PLUMBING DRAWINGS.

2.) DETAIL APPLIES TO PIPES 3' - 0" OR CLOSER TO WALL FOOTINGS.

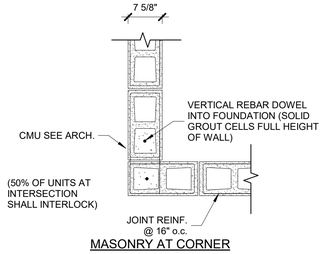
3.) DO NOT RUN PIPES BELOW COLUMN FOOTINGS.

4 S3.2 PIPE UNDER WALL FOOTING

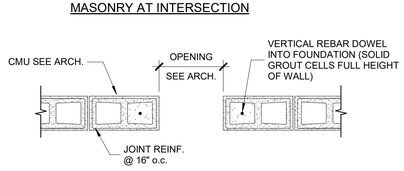
3/4" = 1'-0"



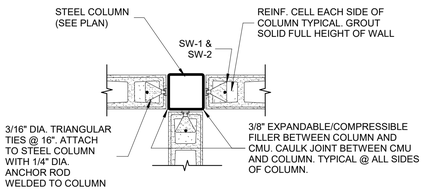
MASONRY AT INTERSECTION



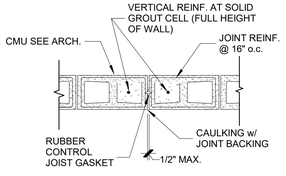
MASONRY AT CORNER



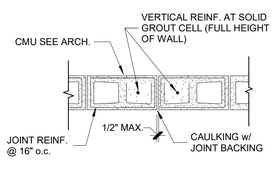
MASONRY AT OPENING



TYP. WALL ANCHOR AT COLUMN



CONTROL JOINT AT 2 HR. FIREWALL



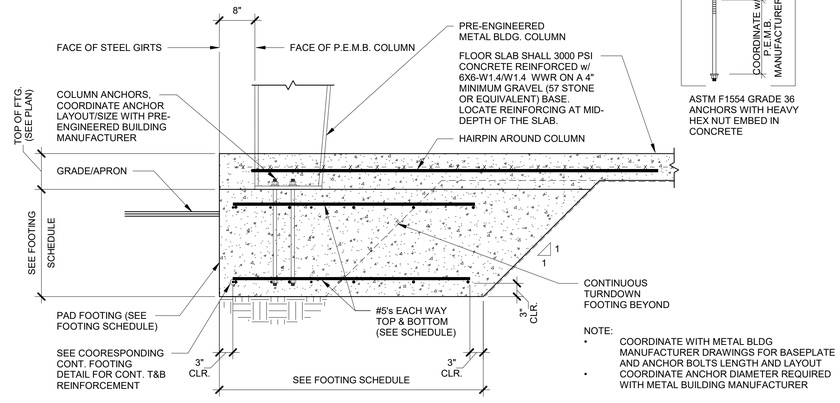
CONTROL JOINT AT WALL

NOTES:
1. MAX CONTROL JOINT SPACING = 28 FT
2. DO NOT USE PVC GASKET AT FIREWALLS
3. SEE ARCH. DRAWINGS FOR BRICK EXPANSION JOINT LOCATIONS

CONTROL JOINTS SHALL BE LOCATED 28' O.C. MAXIMUM. DO NOT LOCATE CONTROL JOINT WITHIN 24" OF AN OPENING IN THE WALL. PROVIDE TOP OF WALL BRACE EACH SIDE OF CONTROL JOINTS IN PARTIAL HEIGHT PARTITION WALLS (SEE DETAIL 1/S3.2.

2 S3.2 TYPICAL WALL DETAILS

3/4" = 1'-0"

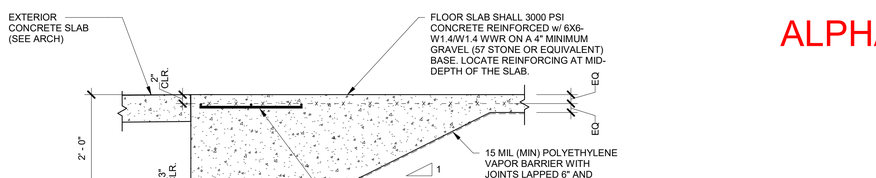


ASTM F1554 GRADE 36 ANCHORS WITH HEAVY HEX NUT EMBED IN CONCRETE

NOTE:
- COORDINATE WITH METAL BLDG MANUFACTURER DRAWINGS FOR BASEPLATE AND ANCHOR BOLTS LENGTH AND LAYOUT
- COORDINATE ANCHOR DIAMETER REQUIRED WITH METAL BUILDING MANUFACTURER

5 S3.2 FOUNDATION SECTION

3/4" = 1'-0"



6 S3.2 EDGE-TURN-DOWN @ CONCRETE APRON PADS

3/4" = 1'-0"

ALPHA BLDG SET 06-18-2026

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SHEET TITLE

FOUNDATION & MASONRY DETAILS

Date: 04/24/2026

PROJECT NUMBER 26-114

SHEET NUMBER S3.2

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SCHEDULE OF SPECIAL INSPECTION SERVICES

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.1.1 Special Cases (work unusual in nature, including but not limited to alternative materials and systems, unusual design applications, materials and systems with special manufacturer's requirements)	Submittal review, shop (3) and/or field inspection	N	N/A	N/A	
1. Inspection of anchors post-installed in solid grouted masonry: Per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, masonry unit, grout, masonry compressive strength, anchor embedment and tightening torque	Field inspection	Y	Periodic or as required by the research report issued by an approved source	TA	
2. Aggregate Pier Inspection: The special inspector's responsibilities include, but are not limited to, review of the aggregate pier designer's use of soil parameters as presented in the project soils report, and during construction, verification of aggregate properties, type and number of lifts of aggregate, hole size and depths and top elevations of the pier elements, and applied energy. Additionally, results of qualitative tests on production aggregate pier elements such as modulus load testing, uplift pull-out testing, bottom stabilization tests and dynamic cone penetration tests, shall be reviewed to verify compliance with design specifications.	Field inspection	N	Periodic or as required by the research report issued by an approved source	N/A	
1705.2.1 Structural Steel Construction					
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, Section N 3.2 for compliance with construction documents)	Submittal Review	Y	Each submittal	T/A	
2. Material verification of structural steel	Shop (3) and field inspection	Y	Periodic	T/A	
3. Structural steel welding:					
a. Inspection tasks Prior to Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-1)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)	T/A	
b. Inspection tasks During Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-2)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)	T/A	
c. Inspection tasks After Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-3)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)	T/A	
d. Nondestructive testing (NDT) of welded joints:					
1) Complete penetration groove welds 5/16" or greater in risk category III or IV	Shop (3) or field ultrasonic testing - 100%	N	Periodic	N/A	
2) Complete penetration groove welds 5/16" or greater in risk category II	Shop (3) or field ultrasonic testing - 10% of welds minimum	Y	Periodic	TA	
3) Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table A-3.1	Shop (3) or field radiographic or Ultrasonic testing	N	Periodic	N/A	
4) Fabricator's NDT reports when fabricator performs NDT	Verify Reports	Y	Each submittal (5)	TA	
4. Structural steel bolting:	Shop (3) and field inspection				
a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in accordance with QA tasks listed in AISC 360, Table N5.6-1)		Y	Observe or Perform as noted (4)	T/A	
b. Inspection tasks During Bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2)		Y	Observe (4)	T/A	
1) Pre-tensioned and slip-critical joints					
a) Turn-of-nut with matching markings		N	Periodic	N/A	
b) Direct tension indicator		N	Periodic	N/A	
c) Twist-off type tension control bolt		N	Periodic	N/A	
d) Turn-of-nut without matching markings		N	Continuous	N/A	
e) Calibrated wrench		N	Continuous	N/A	
2) Snug-tight joints		Y	Periodic	TA	
c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3)		Y	Perform (4)	T/A	
5. Visual inspection of exposed cut surfaces of galvanized structural steel main members and exposed corners of the rectangular HSS for cracks subsequent to galvanizing	Shop (3) and field inspection	N	Periodic	N/A	
6. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspection	Y	Periodic	T/A	
7. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspection	Y	Periodic	T/A	
1705.2.2 Structural Stainless Steel Construction					
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 370, Section N 3.2 for compliance with construction documents)	Submittal Review	N	Each submittal	N/A	
2. Material verification of structural stainless steel	Shop (3) and field inspection	N	Periodic	N/A	
3. Structural stainless steel welding:					
a. Inspection tasks Prior to Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 370, Table N5.4-1)	Shop (3) and field inspection	N	Observe or Perform as noted (4)	N/A	
b. Inspection tasks During Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 370, Table N5.4-2)	Shop (3) and field inspection	N	Observe (4)	N/A	
c. Inspection tasks After Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 370, Table N5.4-3)	Shop (3) and field inspection	N	Observe or Perform as noted (4)	N/A	
d. Nondestructive testing (NDT) of welded joints:					
1) Complete penetration groove welds 5/16" or greater in risk category III or IV	Shop (3) and field ultrasonic testing - 100%	N	Periodic	N/A	
2) Complete penetration groove welds 5/16" or greater in risk category II	Shop (3) and field ultrasonic testing - 10% of welds minimum	N	Periodic	N/A	
3) Welded joints subject to fatigue when required by AISC 370, Appendix 3, Table A-3.1	Shop (3) and field radiographic or Ultrasonic testing	N	Periodic	N/A	
4) Fabricator's NDT reports when fabricator performs NDT	Verify reports	N	Each Submittal (5)	N/A	
4. Structural stainless steel bolting:	Shop (3) and field inspection				
a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in accordance with QA tasks listed in AISC 370, Table N5.6-1)		N	Observe or Perform as noted (4)	N/A	
b. Inspection tasks During Bolting (Observe the QA tasks listed in AISC 370, Table N5.6-2)		N	Observe (4)	N/A	
1) Pre-tensioned and slip-critical joints					
a) Turn-of-nut with matching markings		N	Periodic	N/A	
b) Direct tension indicator		N	Periodic	N/A	
c) Twist-off type tension control bolt		N	Periodic	N/A	
d) Turn-of-nut without matching markings		N	Continuous	N/A	
e) Calibrated wrench		N	Continuous	N/A	
2) Snug-tight joints		N	Periodic	N/A	
c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3)		N	Perform (4)	N/A	
5. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspections	N	Periodic	N/A	
6. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspections	N	Periodic	N/A	
1705.2.3 Cold-Formed Steel Deck					
1. Manufacturer documents (Verify reports and certificates as listed in SDI QA/QC, Section B, Paragraphs B1 and B2 for compliance with construction documents)	Submittal Review	N	Each submittal	N/A	
2. Material verification of steel deck, mechanical fasteners and welding materials	Shop (3) and field inspection	N	Periodic	N/A	
3. Cold-formed steel deck placement:	Shop (3) and field inspection				
a. Inspection tasks Prior to Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.1)		N	Periodic	N/A	
b. Inspection tasks After Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.2)		N	Periodic	N/A	
4. Cold-formed steel deck welding:	Shop (3) and field inspection				
a. Inspection tasks Prior to Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.3)		N	Observe (4)	N/A	
b. Inspection tasks During Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.4)		N	Observe (4)	N/A	
c. Inspection tasks After Welding (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.5)		N	Perform (4)	N/A	
5. Cold-formed steel deck mechanical fastening:	Shop (3) and field inspection				
a. Inspection tasks Prior to Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.6)		N	Observe (4)	N/A	
b. Inspection tasks During Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.7)		N	Observe (4)	N/A	
c. Inspection tasks After Mechanical Fastening (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.8)		N	Perform (4)	N/A	

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.2.4 Open-Web Steel Joists Girders					
1. Installation of open-web steel joists and joist girders.		N		N/A	
a. End connections - welding or bolted.	per SJI CJ or SJI 100	N	Periodic	N/A	
b. Bridging - horizontal or diagonal.					
1) Standard bridging.	per SJI CJ or SJI 100	N	Periodic	N/A	
2) Bridging that differs from the specifications listed in SJI CJ or SJI 100.		N	Periodic	N/A	
1705.2.5 Cold-Formed Steel Trusses Spanning 60 feet or Greater					
Verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	Field inspection	N	Periodic	N/A	
1705.2.6 Metal Building Systems					
Inspections as listed above in 1705.2.1, 1705.2.3, 1705.2.4 and 1705.2.5.					
1. Installation of rafter/beam flange braces and column flange braces.	Field inspection	Y	Periodic	TA	
2. Installation of purlins and girts, including specified lapping.		Y	Periodic	TA	
3. Purlin and girt restraint/bridging/bracing.		Y	Periodic	TA	
4. Installation of X-bracing, tightened to remove any sag.		Y	Periodic	TA	
1705.3 Concrete Construction					
1. Inspect reinforcement, including prestressing tendons, and verify placement.	Shop (3) and field inspection	Y	Periodic	TA	
2. Reinforcing bar welding:					
a. Verification of weldability of bars other than ASTM A706.	Shop (3) and field inspection	N	Periodic	N/A	
b. Inspect welding of reinforcement for special moment frames, boundary elements of special structural walls and coupling beams.	Shop (3) and field inspection	Y	Continuous	TA	
c. Inspect welded reinforcement splices.	Shop (3) and field inspection	Y	Continuous	TA	
d. Inspect welding of primary tension reinforcement in corbels.	Shop (3) and field inspection	N	Continuous	N/A	
e. Inspection of single-pass fillet welds 5/16 or less in size.	Shop (3) and field inspection	N	Periodic	N/A	
f. Inspection of all other welds.	Shop (3) and field inspection	N	Continuous	N/A	
3. Inspection of anchors cast in concrete.	Shop (3) and field inspection	Y	Periodic	TA	
4. Inspection of anchors post-installed in hardened concrete members per research reports, or, if no specific requirements are provided, requirements shall be provided by the registered design professional and approved by the building official, including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque	Field inspection	Y	Periodic or as required by the research report issued by an approved source	TA	
a. Adhesive anchors installed in horizontally or upwardly-inclined orientation that resist sustained tension loads.		Y	Continuous	TA	
b. Mechanical and adhesive anchors note defined in 4a.		N	Periodic	N/A	
5. Verify use of approved design mix	Shop (3) and field inspection	Y	Periodic	TA	
6. Prior to placement, fresh concrete sampling, perform slump and air content tests and determine temperature of concrete and perform any other tests as specified in construction documents.	Shop (3) and field inspection	Y	Continuous	TA	
7. Inspection of concrete and shotcrete placement for proper application techniques	Shop (3) and field inspection	Y	Continuous	TA	
8. Verify maintenance of specified curing temperature and techniques	Shop (3) and field inspection	Y	Periodic	TA	
9. Inspection of prestressed concrete:	Shop (3) and field inspection				
a. Application of prestressing force		N	Continuous	N/A	
b. Grouting of bonded prestressing tendons		N	Continuous	N/A	
10. Inspect erection of precast concrete members	Field inspection	N	Periodic	N/A	
11. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E, or F, inspect such connections and reinforcement in the field for:	Field inspection				
a. Installation of the embedded parts.		N	Continuous	N/A	
b. Completion of the continuity of reinforcement across joints.		N	Continuous	N/A	
c. Completion of connections in the field.		N	Continuous	N/A	
12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Field inspection	N	Periodic	N/A	
13. Verify in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs	Review field testing and laboratory reports	N	Periodic	N/A	
14. Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic	TA	
15. Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports	Y	Periodic	TA	
1705.4 Masonry Construction					
(A) Level 1, 2 and 3 Quality Assurance:					
1. Prior to construction, verification of compliance of submittals	Submittal Review	Y	Prior to Construction	TA	
(B) Level 2 & 3 Quality Assurance:					
1. Prior to construction verification of f'm and f'AAC except where specifically exempted by the code	Testing by unit strength method or prism test method	Y	Prior to Construction	TA	
2. During construction, verification of Slump Flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to project site.	Testing by unit strength method or prism test method	Y	Periodic	TA	
(C) Level 3 Quality Assurance:					
1. During construction, verification of f'm and f'AAC for every 5,000 SF	Testing by unit strength method or prism test method	Y	Periodic	TA	
2. During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout.	Field inspection	Y	Periodic	TA	
(D) Levels 2 and 3 Quality Assurance:					
1. As masonry construction begins, verify that the following are in compliance:					
a. Proportions of the site-prepared mortar	Field inspection	Y	Periodic	TA	
b. Grade and size of prestressing tendons and anchorages	Field inspection	N	Periodic	N/A	
c. Grade, type, and size of reinforcement, anchor bolts, and prestressing tendons and anchorages	Field inspection	Y	Periodic	TA	
d. Prestressing technique	Field inspection	N	Periodic	N/A	
e. Properties of thin-bed mortar for AAC masonry	Field inspection	N	Level 2 - Continuous(b) Level 2 - Periodic(c)	N/A	
(b) Required for the first 5,000 square feet (c) Required after the first 5,000 square feet	Field inspection	N	Level 3 - Continuous	N/A	
f. Sample panel construction	Field inspection	N	Level 2 - Periodic	N/A	
		N	Level 3 - Continuous	N/A	
2. Prior to grouting, verify that the following are in compliance:					
a. Grout space	Field inspection	N	Level 2 - Periodic	N/A	
		Y	Level 3 - Continuous	TA	
b. Placement of prestressing tendons and anchorages	Field inspection	N	Periodic	N/A	
c. Placement of reinforcement, connectors, and anchor bolts	Field inspection	Y	Level 2 - Periodic	TA	
		N	Level 3 - Continuous	N/A	
d. Proportions of site-prepared grout and prestressing grout for bonded tendons	Field inspection	Y	Periodic	TA	
3. Verify compliance of the following during construction:					
a. Materials and procedures with the approved submittals	Field inspection	Y	Periodic	TA	
b. Placement of masonry units and mortar joint construction	Field inspection	Y	Periodic	TA	
c. Size and location of structural members	Field inspection	Y	Periodic	TA	
d. Type, size, location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	Field inspection	Y	Level 2 - Periodic	TA	
		N	Level 3 - Continuous	N/A	
e. Welding of reinforcement	Field inspection	N	Continuous	N/A	
f. Preparation, construction, and protection of masonry during cold weather (temperature below 40oF) or hot weather (temperature above 90oF)	Field inspection	Y	Periodic	TA	
g. Application and measurement of prestressing force	Field testing	N	Continuous	N/A	
h. Placement of grout and prestressing grout for bonded tendons is in compliance	Field inspection	N	Continuous	N/A	
i. Placement of AAC masonry units and construction of thin-bed mortar joints	Field inspection	N	Level 2 - Continuous(b) Level 2 - Periodic(c)	N/A	
(b) Required for the first 5,000 square feet (c) Required after the first 5,000 square feet		N	Level 3 - Continuous	N/A	
4. Observe preparation of grout specimens, mortar specimens, and/or prisms	Field inspection	Y	Level 2 - Periodic	TA	
		N	Level 3 - Continuous	N/A	

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.4.1 Glass Unit Masonry and Masonry Veneer in Risk Category IV.					
Inspect and test in accordance with TMS 602 Level 2	Field inspection	N	Periodic	N/A	
1705.5 Wood Construction					
1. For pre-fabricated wood structural elements, inspection of the fabrication process and assemblies in accordance to Section 1704.2.5.	In-plant review (3)	N	Periodic	N/A	
2. For high-load diaphragms, verify grade and thickness of structural panel sheathing agree with approved building plans.	Field inspection	N	Periodic	N/A	
3. For high-load diaphragms, verify nominal size of framing members at adjoining panel edges, nail or staple diameter and length, number of fastener lines, and that spacing between fasteners in each line and at edge margins agree with approved building plans	Field inspection	N	Periodic	N/A	
4. Metal-plate-connected wood trusses:					
a. Verification that permanent individual truss member restraint/bracing has been installed in accordance with the approved truss submittal package when the truss height is greater than or equal to 60'.	Field inspection	N	Periodic	N/A	
b. For trusses spanning 60 feet or greater: verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	Field inspection	N	Periodic	N/A	
1705.6 Soils					
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field inspection	Y	Periodic	TA	
2. Verify excavations are extended to proper depth and have reached proper material.	Field inspection	Y	Periodic	TA	
3. Perform classification and testing of controlled fill materials.	Field inspection	Y	Periodic	TA	
4. During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.	Field inspection	Y	Continuous	TA	
5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly	Field inspection	Y	Periodic	TA	
1705.7 Driven Deep Foundations					
1. Verify element materials, sizes and lengths comply with requirements	Field inspection	N	Continuous	N/A	
2. Determine capacities of test elements and conduct additional load tests, as required	Field inspection	N	Continuous	N/A	
3. Inspect driving operations and maintain complete and accurate records for each element	Field inspection	N	Continuous	N/A	
4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element	Field inspection	N	Continuous	N/A	
5. For steel elements, perform additional inspections per Section 1705.2	See Section 1705.3	N	See Section 1705.3	N/A	
6. For concrete elements and concrete-filled elements, perform tests and additional inspections per Section 1705.3	See Section 1705.3	N	See Section 1705.3	N/A	
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge	Field inspection	N	In accordance with construction documents	N/A	
1705.8 Cast-in-Place Deep Foundations					
1.Inspect drilling operations and maintain complete and accurate records for each element	Field inspection	N	Continuous	N/A	
2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes	Field inspection	N	Continuous	N/A	
3. For concrete elements, perform tests and additional inspections in accordance with Section 1705.3	See Section 1705.3	N	See Section 1705.3	N/A	
1705.9 Helical Pile Foundations					
Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque and other pertinent installation data as required by construction documents.	Field inspection	N	Continuous	N/A	
1705.11 Fabricated items					
1. List of fabricated items requiring special inspection during fabrication:	Shop inspection	N	As noted in each applicable shop activity	N/A	
2. List of fabricated items to be fabricated on the premises of a fabricator approved to perform such work without special inspection (including name of approved agency providing periodic auditing):		N		N/A	

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.12.1 Structural Wood Special Inspections For Wind Resistance					
1. Inspection of field gluing operations of elements of the main windforce-resisting system	Field inspection	N	Continuous	N/A	
2. Inspection of nailing, bolting, anchoring and other fastening of components within the main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs.	Shop (3) and field inspection	N	Periodic	N/A	
1705.12.2 Cold-formed Steel Special Inspections for Wind Resistance					
1.Inspection during welding operations of elements of the main windforce-resisting system	Shop (3) and field inspection	N	Periodic	N/A	
2. Inspection of nailing, bolting, anchoring and other fastening of components within the main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs.	Shop (3) and field inspection	N	Periodic	TA	
1705.12.3 Wind-resisting Components					
1. Roof covering, roof deck and roof framing connections.	Shop (3) and field inspection	N	Periodic	N/A	
2. Exterior wall covering and wall connections to roof and floor diaphragms.	Shop (3) and field inspection	N	Periodic	N/A	
1705.13.1 Structural Steel Special Inspections for Seismic Resistance					
1. Seismic force-resisting systems in SDC B, C, D, E, or F.	Shop (3) and field inspection	Y	In accordance with AISC 341	TA	
2. Structural steel elements in SDC B, C, D, E, or F other than those in item 1. including struts, collectors, chords and foundation elements.	Shop (3) and field inspection	Y	In accordance with AISC 341	TA	
1705.13.2 Structural Wood Special Inspections for Seismic Resistance					
1. Field gluing operations of elements of the seismic-force resisting system for SDC C, D, E or F.	Field inspection	N	Continuous	N/A	
2. Nailing, bolting, anchoring and other fastening of elements of the seismic-force-resisting system including wood shear walls, wood diaphragms, drag struts, braces shear panels and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic	N/A	
1705.13.3 Cold-formed Steel Light-Frame Construction Special Inspections for Seismic Resistance					
1. During welding operations of elements of the seismic-force-resisting system for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic	N/A	
2. Screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic	N/A	
1705.13.4 Designated Seismic System Verification					
For SDC C, D, E or F, inspect and verify that that the component label, anchorage and mounting conforms to the certificate of compliance in accordance with ASCE 7 Section 13.2.3.	Field inspection	N	Periodic	N/A	
1705.13.5 Architectural Components Special Inspections for Seismic Resistance					
1. For SDC D, E or F, inspection during the erection and fastening of exterior cladding and interior or exterior veneer more than 30 feet above grade or walking surface and weighing more than 5 psf.	Field inspection	N	Periodic	N/A	
2. For SDC D, E or F, inspection during the erection and fastening of interior nonbearing walls more than 30 feet above grade or walking surface and weighing more than 15 psf.	Field inspection	N	Periodic	N/A	
3. For SDC D, E or F, inspection during the erection and fastening of exterior nonbearing walls more than 30 feet above grade or walking surface.	Field inspection	N	Periodic	N/A	
4. For SDC D, E or F, inspection during anchorage of access floors	Field inspection	N	Periodic	N/A	

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.13.6 Plumbing, Mechanical and Electrical Components Special Inspections for Seismic Resistance					
1. Inspection during the anchorage of electrical equipment for emergency or standby power systems in SDC C, D, E or F	Field inspection	N	Periodic	N/A	
2. Inspection during the anchorage of other electrical equipment in SDC E or F	Field inspection	N	Periodic	N/A	
3. Inspection during installation and anchorage of piping systems designed to carry hazardous materials, and their associated mechanical units in SDC C, D, E or F	Field inspection	N	Periodic	N/A	
4. Inspection during the installation and anchorage of HVAC ductwork designed to contain hazardous materials in SDC C, D, E or F	Field inspection	N	Periodic	N/A	
5. Inspection during the installation and anchorage of vibration isolation systems in SDC C, D, E or F where nominal clearance of 1/4 inch or less is required by the approved construction documents	Field inspection	N	Periodic	N/A	
6. Inspection during installation of mechanical and electrical equipment, including duct work, piping systems and their structural supports, where automatic fire sprinkler systems are installed in structures assigned to SDC C, D, E, or F to verify one of the following unless flexible sprinkler hose fittings are used:					
a. ASCE/SEI 7, Section 13.2.4 minimum required clearances have been provided.	Field inspection	N	Periodic	N/A	
b. A three inch or greater nominal clearance has been provided between fire protection sprinkler system drops and sprigs and structural members not used collectively or independently to support the sprinklers; equipment attached to the building structure; and other systems' piping.	Field inspection	N	Periodic	N/A	
1705.13.7 Storage Racks Special Inspections for Seismic Resistance					
Inspection during the anchorage of storage racks 8 feet or greater in height in structures assigned to SDC D, E or F.	Field inspection				
1. Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Field inspection	N	Periodic	N/A	
2. Fabricated storage rack elements.	Field inspection	N	Periodic	N/A	
3. Storage rack anchorage installation.	Field inspection	N	Periodic	N/A	
4. Completed storage rack system, to indicate compliance with the approved construction documents.	Field inspection	N	Periodic	N/A	
1705.13.8 Seismic Isolation Systems					
Inspection during the fabrication and installation of isolator units and energy dissipation devices used as part of the seismic isolation system in structures assigned to SDC B, C, D, E or F.	Shop and field inspection	N	Periodic	N/A	
1705.13.9 Cold-formed Steel Special Bolted Moment Frames					
Inspection of installation of cold-formed steel special bolted moment frames in the siesmic force-resisting systems in structures assigned to SDC D, E, or F.	Field inspection	N	Periodic	N/A	
1705.14.1 Structural Steel Testing for Seismic Resistance					
1. Nondestructive testing of structural steel in the seismic force-resisting systems in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test	N	Periodic	N/A	
2. Nondestructive testing of structural steel elements in the seismic force-resisting systems not covered in Item 1 above including struts, collectors, chords and foundation elements in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test	N	Periodic	N/A	
1705.14.2 Seismic Certification of Nonstructural Components					
Review certificate of compliance for designated seismic system components in structures assigned to SDC B, C, D, E or F.	Certificate of compliance review	N	Each submittal	N/A	
1705.14.3 Seismic Certification of Designated Seismic Systems					
Review certificate of compliance for designated seismic system, subject to the requirements of ASCE 7, Section 13.2.4, as noted on the construction documents, in structures assigned to SDC C, D, E or F	Certificate of compliance review	N	Each submittal	N/A	
1705.14.4 Seismic Isolation Systems					
Test seismic isolation system in accordance with ASCE 7 Section 17.8 in structures assigned to SDC B, C, D, E or F.	Prototype testing	N	Per ASCE 7	N/A	
1705.15 Sprayed Fire-resistant Materials					
Special inspection shall be performed during construction with an additional visual inspection after the rough installation of electrical, sprinklers, mechanical and plumbing systems and suspension systems for ceilings, and before concealment where applicable.					
1. Verify surface condition preparation of structural members	Field inspection	N	Periodic	N/A	
2. Verify the substrate's minimum ambient temperature before and after application and note the ventilation of the area during and after application as required by the approved manufacturers' written instructions.	Field inspection	N	Periodic	N/A	
3. Verify minimum thickness of sprayed fire-resistant materials applied to structural members	Field inspection	N	Periodic	N/A	
4. Verify density of the sprayed fire-resistant material complies with approved fire-resistant design	Field inspection and testing	N	Per IBC Section 1705.15.5	N/A	
5. Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material	Field inspection and testing	N	Per IBC Section 1705.15.6	N/A	
6. Condition of finished application	Field inspection	N	Periodic	N/A	
1705.16 Intumescent Fire-Resistant Materials					
Special inspection shall be performed during construction with an additional visual inspection after the rough installation of electrical, sprinklers, mechanical and plumbing systems and suspension systems for ceilings, and before concealment where applicable.					
Inspect and test intumescent fire-resistant materials applied to structural elements and decks per AWCI 12-B	Field inspection and testing	N	Periodic	N/A	
1705.17 Exterior Insulation and Finish Systems (EIFS)					
Inspection of water-resistive barrier over sheating substrate	Field inspection	N	Periodic	N/A	
1705.18 Fire-Resistant Penetrations and Joints					
1. Inspect penetration firestop	Field testing	N	Per ASTM E2174	N/A	
2. Inspect fire-resistant joint systems	Field testing	N	Per ASTM E2393	N/A	
1705.19 Smoke Control Systems					
1. Leakage testing and recording of device locations prior to concealment	Field testing	N	Periodic	N/A	
2. Prior to occupancy and after sufficient completion, pressure difference testing, flow measurements, and detection and control verification	Field testing	N	Periodic	N/A	

* INSPECTION AGENTS FIRM	ADDRESS	TELEPHONE NO.
1. TO BE DETERMINED		
2.		
3.		
4.		

NOTES:

1. *The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. The qualifications of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Building Official and/or the Design Professional.*
2. *The list of Special Inspectors may be submitted as a separate document, if noted so above.*
3. *Shop Inspections of fabricated items are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.1 and listed in activity 1705.11.2.*
4. *Observe: Observe on a random basis, operations need not be delayed pending these inspections. Perform these tasks for each welded joint, bolted connection, or steel element.*
5. *NDT of welds completed in an approved fabricator's shop may be performed by that fabricator when approved by the AHJ. Refer to AISC 360, N6.*
6. *After-The-Fact Inspections: Any area(s) that have been covered without proper inspections shall be immediately brought to the attention of the Design Professional of Record (DPOR) and the Building Official. After-the-fact special inspections, if approved, shall be performed as directed by the DPOR to ensure adequate inspections are performed to meet the design intent.*

Are Special Inspections for Seismic Resistance included in the Statement of Special Inspections? (Yes) No

Are Special Inspections for Wind Resistance included in the Statement of Special Inspections? (Yes) No

DATE: 04/24/2026

Abbreviations:
TA = Testing Agency
EOR = Engineer of Record
AOR = Architect of Record
N/A = Not Applicable

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Keystone Structural Engineering
Professional Consultants
531 Roselane Street
Suite 150
Marietta, GA 30060
(404) 483 6921

GEORGIA REGISTERED No. 037747 PROFESSIONAL ENGINEER BRANDAN F. CROMEY

Rev. No.	Date	Name

ISSUED FOR CONSTRUCTION

PROJECT

Peach State Construction Company Office

ADDRESS

265 Piper Road
Covington, GA 30014

CLIENT

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS

ADDRESS

135 P. Rickman Industrial Dr.
Suite 100, Canton, GA 30115

SHEET TITLE

SCHEDULE OF SPECIAL INSPECTIONS

Date:

04/24/2026

PROJECT NUMBER

26-114

SHEET NUMBER

S5.1

PROJECT ABBREVIATIONS

A/E	ARCHITECT / ENGINEER
AAV	AUTOMATIC AIR VENT
ACD	AUTOMATIC CONTROL DAMPER
AD	ACCESS DOOR
AF	AFTER FILTER
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AHU	AIR-HANDLING UNIT
AMP	AMPERE
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
B	BOILER
BAS	BUILDING AUTOMATION SYSTEM
BBR	BASE BOARD RADIATOR
BE	BOTTOM ELEVATION
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BSC	BIOLOGICAL SAFETY CABINETS
BT	BLOWOFF TANK
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CV	CONSTANT AIR VOLUME
CC	COOLING COIL
CD	COOLING COIL CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFT	CUBIC FEET
CH	CHILLER
CHP	CHILLED WATER PUMP
CHS/R	CHILLER WATER
CL	CENTER LINE
CM	CUBIC METER
CM/S	CUBIC METER PER SECOND
CO	CLEAN OUT
COMP	COMPRESSOR UNIT
COP	COEFFICIENT OF PERFORMANCE
COR	CONTRACTING OFFICER REPRESENTATIVE
CP	CONDENSATE PUMP
CST	CONDENSATE STORAGE TANK
CSG	CLEAN STEAM GENERATOR
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT VOLUME
CWP	CONDENSER WATER PUMP
DDC	DIRECT DIGITAL CONTROLS
DIA	DIAMETER
DI	DEIONIZED WATER
DP	DEW POINT TEMPERATURE
DPS	DIFFERENTIAL PRESSURE SENSOR
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	EVAPORATIVE COOLER
ECC	ENGINEERING CONTROL CENTER
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ES	EMERGENCY GAS SHUTOFF
EGT	ENTERING GLYCOL TEMPERATURE
EH	EXHAUST HOOD
EJ	EXPANSION JOINT
ENT	ENTERING
ERC	ELECTRIC REHEAT COIL
ERP	ELECTRIC RADIANT PANEL
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETO	ETHYLENE OXIDE
EUH	ELECTRIC UNIT HEATER
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	FAHRENHEIT
F&T	FLOAT AND THERMOSTATIC
FA	FREE AREA
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FF	FINAL FILTER
FM	FLOW METER
FOP	FUEL OIL PUMP
FOT	FLAT ON TOP
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPU	FAN POWERED TERMINAL UNIT
FRP	FIBER REINFORCED POLYESTER
FS	FLOW SWITCH
FSTAT	FREEZESTAT
FT	FEET
FT WC	FEET OF WATER COLUMN
FT-LB	FOOT-POUND
FV	FACE VELOCITY
GA	GAUGE
GAL	GALLONS
GH	GRAVITY HOOD
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GS	GALVANIZED STEEL
H	HUMIDIFIER
HB	HOSE BIBB
HC	HEATING COIL
HD	HOOD
HOA	HAND/OFF/AUTOMATIC
HP	HEAT PUMP
HP	HORSEPOWER
HRC	HEAT RECOVERY COIL
HRP	HYDRONIC RADIANT (CEILING) PANEL
HRW	HEAT RECOVERY WHEEL
HSTAT	HUMIDISTAT
HVU	HEATING AND VENTILATING UNIT
HWC	HOT WATER COIL
HWP	HEATING HOT WATER PUMP
HTX	HEAT EXCHANGER
HZ	HERTZ
I/O	INPUT/OUTPUT
IAQ	INDOOR AIR QUALITY
IBT	INVERTED BUCKET TRAP
ID	INSIDE DIAMETER
IFB	INTEGRAL FACE AND BYPASS
IN	INCHES
IN HG	INCHES OF MERCURY
IN WC	INCH WATER COLUMN
IN WG	INCH WATER GAUGE
IN-LB	INCH-POUND
IPLV	INTEGRATED PART LOAD VALUE
IRH	INFRARED HEATER
IU	INDUCTION UNIT
JB	JUNCTION BOX
JL	JUSTIFIED LEFT
JR	JUSTIFIED RIGHT
KG	KILOGRAM
KG/HR	KILOGRAM PER HOUR
kPa	KILOPASCAL
KW	KILOWATT
KWH	KILOWATT HOUR
LOOP	LOCK ONLY OPEN POSITION
LVG	LEAVING
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M	METER, SI UNIT
M/S	METERS PER SECOND (OR METERS/SECOND)
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MB	MIXING BOX
MBH	1,000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MER	MECHANICAL EQUIPMENT ROOM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MH	MANHOLE
MHP	MOTOR HORSEPOWER
MIN	MINIMUM
MM	MILLIMETER
MOCP	MINIMUM OVERCURRENT PROTECTION
MOV	MOTOR OPERATED VALVE
MTD	MEAN TEMPERATURE DIFFERENCE
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NG	NATURAL GAS
NO	NORMALLY OPEN
NOM	NOMINAL
NPLV	NON-STANDARD PART LOAD VALUE
NPSH	NET POSITIVE SUCTION HEAD
NPSHA	NET POSITIVE SUCTION HEAD AVAILABLE
NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAD	OUTDOOR AIR DAMPER
OD	OUTSIDE DIAMETER
P	PUMP
Pa	PASCAL
PCF	POUNDS PER CUBIC FOOT (FEET)
PD	PRESSURE DROP
PF	PRE-FILTER
PG	PRESSURE GAGE
PHC	PREHEAT COIL
PPM	PARTS PER MILLION
PRS	PRESSURE REGULATING (VALVE) STATION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH – ABSOLUTE
PSIG	POUNDS PER SQUARE INCH – GAGE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
QNTY	QUANTITY
RA	RETURN AIR
RAF	RETURN AIR FAN
RAT	RETURN AIR TEMPERATURE
RD	REFRIGERANT DISCHARGE
REA	RELIEF AIR
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RLA	RUN LOAD AMPERE
RO	REVERSE OSMOSIS
RPM	REVOLUTIONS PER MINUTE
RS/RL	REFRIGERANT SUCTION AND REFRIGERANT LIQUID
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SCFM	STANDARD CUBIC FEET PER MINUTE
SCR	SILICON CONTROLLED RECTIFIER
SEA	SMOKE EXHAUST AIR
SEN	SENSIBLE HEAT
SF	SUPPLY FAN
SHC	STEAM HEATING COIL
SI	SQUARE INCHES
SP	STATIC PRESSURE
SP GR	SPECIFIC GRAVITY
SPS	STATIC PRESSURE SENSOR
SQ FT	SQUARE FOOT (FEET)
SS	STAINLESS STEEL
SSR	SOLID SEPARATOR
ST	STEAM TRAP
TAB	TESTING, ADJUSTING, BALANCE
TDH	TOTAL DYNAMIC HEAD
TDS	TOTAL DISSOLVED SOLIDS
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TU	TERMINAL UNIT
UC	UNDER CUT
UH	UNIT HEATER
V	VENT
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VP	VACUUM PUMP
VR	VACUUM (STEAM CONDENSATE) RETURN
W	WATTS
Wb	WET-BULB (TEMPERATURE)
WFMS	WATER FLOW MEASURING STATION
WG	WATER GAGE
WPD	WATER PRESSURE DROP
YR	YEAR

MECHANICAL SHEET INDEX

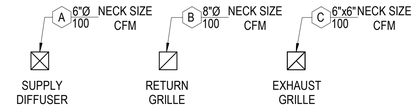
SHEET NUMBER	DRAWING TITLE
M0.1	MECHANICAL LEGEND, ABBREVIATIONS, AND NOTES
M0.2	MECHANICAL SPECIFICATIONS
M0.3	MECHANICAL ZONING PLAN
M0.4	MECHANICAL DETAILS
M0.5	MECHANICAL DETAILS
M0.6	MECHANICAL SCHEDULES
M1.1	MECHANICAL NEW WORK FLOOR PLAN

ALPHA BLDG SET 06-18-2026

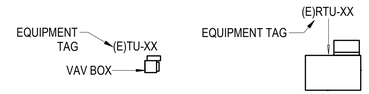
HVAC SYMBOLS AND ABBREVIATIONS

- 22"x8" — SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)
- 22"/8" — OVAL DUCT SIZE TAG (WIDTH / HEIGHT)
- 22"Ø — ROUND DUCT SIZE TAG (DIAMETER)
- (E)22"Ø — EXISTING DUCT TAG
- DUCT BEING DEMOLISHED
- DROP — RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
- DROP — ROUND SUPPLY/OUTSIDE AIR DUCT RISE
- DROP — RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
- DROP — ROUND RETURN/TRANSFER AIR DUCT RISE
- DROP — RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
- DROP — ROUND EXHAUST/RELIEF AIR DUCT RISE

GRILLES, REGISTERS & DIFFUSERS TAG



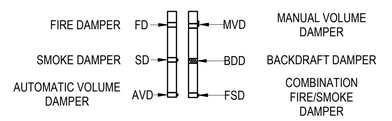
MECHANICAL EQUIPMENT TAGS



DATA DEVICE TAGS AND ABBREVIATIONS

DESCRIPTION	SYMBOL	DESCRIPTION
CARBON DIOXIDE SENSOR	CO2 TH RTU-XX	TEMPERATURE & HUMIDITY SENSOR
CARBON MONOXIDE SENSOR	CO DIS	DISPLAY
NITROGEN DIOXIDE SENSOR	NO2 T TU-XX	THERMOSTAT
HUMIDITY SENSOR	HS S	SENSOR
HUMIDISTAT	H PS	PRESSURE SENSOR

DAMPER TAGS AND ABBREVIATIONS



* NOTE *

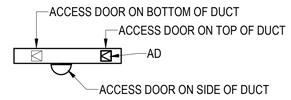
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PIPING SYMBOLS AND ABBREVIATIONS

- HWS — HOT WATER HEATING SUPPLY
- HWR — HOT WATER HEATING RETURN
- GHS — GLYCOL-WATER HEATING SUPPLY
- GHR — GLYCOL-WATER HEATING RETURN
- RS/RL — REFRIGERANT SUCTION AND REFRIGERANT LIQUID
- CHS — CHILLED WATER SUPPLY
- CHR — CHILLED WATER RETURN
- MW — MAKE-UP WATER
- D — DRAIN PIPING
- CD — CONDENSATE DRAIN
- A — COMPRESSED AIR
- G — NATURAL GAS MAIN FUEL
- G(I) — NATURAL GAS IGNITER FUEL
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- SW — SOFTENED WATER
- DCW — DOMESTIC COLD WATER
- DHW — DOMESTIC HOT WATER
- (E) 2" — EXISTING PIPE TAG
- (E) 2" — PIPE SIZE TAG (DIAMETER)
- PIPING BEING DEMOLISHED

GENERAL MECHANICAL SYMBOLS

- REVISION NUMBER - SHOWN ON PLANS
- CONNECT NEW TO EXISTING
- LIMIT OF DEMOLITION
- NUMBER OF DETAIL ON SHEET / NUMBER OF SHEET WHERE DETAIL APPEARS
- CONTINUATION SYMBOL
- Room 9 — ROOM NAME AND NUMBER
- AREA NOT IN CONTRACT
- # — NEW WORK NOTES
- # — DEMOLISHED WORK NOTES



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GEORGIA REGISTERED No.: PE036864 PROFESSIONAL ENGINEER KRUNAL M PATEL
4/27/2026

PROJECT NUMBER: TE 25-113

REVISIONS NO.	DATE:	ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
PIPER ROAD - NEWTON COUNTY, GEORGIA

MECHANICAL LEGEND, ABBREVIATIONS, AND NOTES

M0.1

CONSTRUCTION DOCUMENTS

TOTAL ENGINEERS
169 New Street, Macon, GA 31201
(478)741-4632 - T.E. project # 25-113
www.totalengineers.com
GA COA NO # PEF009195 EXP: 06/30/2026

4/27/2026 2:41:50 PM C:\Users\Total Engineers\Documents\M_P24_TE 25-113_jerry.ZP72O.rvt

MECHANICAL SPECIFICATIONS

1. PROVIDE ALL HEATING, VENTILATION AND AIR CONDITIONING ITEMS INDICATED ON THE DRAWINGS, DESCRIBED IN THIS SPECIFICATION OR REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.

2. COMPLY WITH ALL PERTINENT CODES, ORDINANCES AND REGULATIONS. REFER TO WEBSITE FOR DEPT. OF COMMUNITY AFFAIRS FOR CURRENT CODES EDITIONS.

3. THE CONTRACTOR SHALL NOT ATTEMPT TO PRECISELY SCALE DIMENSIONS FROM THESE DRAWINGS TO OBTAIN CONSTRUCTION DIMENSIONS AND CLEARANCES. THE CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CLEARANCES. ALTHOUGH THESE PLANS ARE DIAGRAMMATIC IN NATURE, THEY SHALL BE FOLLOWED AS CLOSELY AS SITE CONDITIONS, NEW CONSTRUCTION, AND WORK BY OTHER TRADES SHALL PERMIT. DEVIATIONS FROM THESE DRAWINGS, WHICH ARE REQUIRED TO CONFORM TO THE AVAILABLE SPACE OR THE ACTUAL BUILDING CONSTRUCTION, SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

4. FURNISH WITHOUT EXTRA CHARGE, ANY ADDITIONAL MATERIAL AND LABOR REQUIRED TO COMPLY WITH THE ABOVE CODES AND STANDARDS, EVEN THOUGH THE WORK MAY NOT BE DESCRIBED IN THE CONTRACT DOCUMENTS. WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS EXCEED THE REQUIREMENTS OF THE ABOVE CODES AND STANDARDS, THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE.

5. ALL EQUIPMENT AND MATERIAL SHALL BE NEW AND OF FIRST QUALITY. EQUIPMENT AND MATERIAL SHALL BE THE SAME OR EQUAL TO THE BASIS OF DESIGN LISTED ON THESE DRAWINGS AND SHALL BE UL LISTED.

6. COOPERATE AND COORDINATE WITH OTHER TRADES IN ORDER THAT ALL SYSTEMS IN THE WORK MAY BE INSTALLED IN THE BEST ARRANGEMENT.

7. EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE INSTALLED. CORRECT CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

8. AVOID INTERFERENCE WITH STRUCTURE, AND WITH WORK OF OTHER TRADES. INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS. INSTALL ACCESSIBLE PARTS, INCLUDING EQUIPMENT, COILS, VALVES, DAMPERS, CONTROLS, AND FILTERS WITH ADEQUATE CLEARANCE FOR INSPECTION, ADJUSTMENTS, REPAIR AND REPLACEMENT.

9. ALL OTHER MATERIALS NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION SHALL BE AS SELECTED BY THE CONTRACTOR SUBJECT TO ACCEPTANCE BY THE ENGINEER.

10. ALL DUCTWORK SHALL BE FABRICATED FROM GALVANIZED SHEET METAL DUCT AND CONFORM TO SMACNA "HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE. SEAL ALL JOINTS IN DUCTWORK WITH MASTIC SEALANT.

11. FLEXIBLE DUCT: FLEXMASTER; ATCO UPC#36(R-6.0); ATCO UPC#31 (R-8) OR THERMAFLEX, TYPE 3, INSULATED. 5'-0" MAXIMUM LENGTH UNLESS NOTED OTHERWISE. CLASS 1 RATING WITH R-VALUE OF 6.0 WHEN LOCATED INSIDE BUILDING INSULATION ENVELOPE AND R-8 WHEN LOCATED OUTSIDE BUILDING INSULATION ENVELOPE. INSTALL WITH NO MORE THAN 135 DEGREES MAXIMUM OF TOTAL BENDS PER RUN. MAXIMUM INDIVIDUAL BEND SHALL NOT EXCEED 45 DEGREES EACH. SUPPORT AT FIVE FEET ON CENTERS WITH HANGERS HAVING AT LEAST 2-INCHES OF WIDTH AT DUCT CONTACT POINTS. FLEXIBLE CONNECTORS SHALL NOT PASS THROUGH ANY WALL FLOOR OR CEILING WEATHER RATED OR NOT. PROVIDE 36-ONCHES OF METAL DUCT AT PENETRATION OF DRAFT STOPS, FIRE WALLS AND SMOKE WALLS.

12. DUCT LINER: OWENS CORNING AEROFLEX PLUS, OR EQUIVALENT. INCOMBUSTIBLE GLASS FIBER COMPLYING WITH ASTM C 1071; FLEXIBLE BLANKET; IMPREGNATED SURFACE AND EDGES COATED WITH ACRYLIC POLYMER SHOWN TO BE FUNGUS AND BACTERIA RESISTANT BY TESTING TO ASTM G 21. APPARENT THERMAL CONDUCTIVITY: MAXIMUM OF 0.31 AT 75 DEGREES F. SERVICE TEMPERATURE: 250 DEGREES F. DENSITY: 1.5 POUNDS/CUBIC FOOT. INSTALL USING ADHESIVE (50% COVERAGE) AND GALVANIZED STEEL FASTENERS WITH WELDED PRESS-ON HEAD THICKNESS: 1-INCH.

13. CONDENSATE DRAIN PIPING SHALL BE ASTM D2665 PVC WITH SOLVENT WELDED FITTINGS. DRAIN PIPING SHALL BE NO SMALLER THAN THE DRAIN CONNECTION SIZE ON EQUIPMENT. SLOPE AT 1/8 INCH PER FOOT CONTINUOUSLY TOWARD DRAINS. ALL INDOOR CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH PREFORMED FLEXIBLE PLASTIC CELLULAR FOAM. ALL OUTDOOR CONDENSATE DRAIN PIPING SHALL BE PRIMED AND PAINTED WITH A COATING SYSTEM RECOMMENDED BY THE PIPING MANUFACTURER FOR PROTECTION AGAINST DETERIORATION FROM WEATHER AND UV-LIGHT EXPOSURE. ALL PIPING SHALL BE ADEQUATELY SUPPORTED TO MAINTAIN PROPER SLOPE AND AVOID SAGGING.

14. REFRIGERANT PIPING SHALL CONFORM TO MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS. REFRIGERANT PIPING SHALL BE ASTM B280 TYPE ACR OR ASTM B88 TYPE L DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS. INSULATE SUCTION LINE WITH ½" THICK FLEXIBLE FOAMED PLASTIC CELLULAR FOAM (ARMAFLEX OR EQUIVALENT). ALL PIPING SHALL BE ADEQUATELY SUPPORTED. INSULATION INSTALLED OUTDOORS SHALL BE PAINTED WITH TWO COATS OF ARMACELL WB COATING OR EQUIVALENT. REFRIGERANT PIPES SHALL BE INSTALLED IN ACCORDANCE WITH ASHRAE STANDARD 15-2022 SECTION 9.12 AND SHALL BE TESTED IN ACCORDANCE WITH ASHRAE STANDARD 15-2022 SECTION 9.13. CONTRACTOR SHALL ISSUE A LETTER TO DESIGN TEAM STATING THAT REFRIGERANT PIPES HAS BEEN INSTALLED AND TESTED UNDER THE REFERENCED SECTIONS. CONTRACTOR SHALL REFER TO ASHRAE STANDARD 15-2022 SECTIONS 9.10 AND9.11 FOR ADDITIONAL INFORMATION REGARDING REFRIGERANT PIPING. PENETRATION OF REFRIGERANT PIPES SHALL BE PROTECTED WITH A THROUGH PENETRATION PROTECTION MEANS. THE THROUGH PENETRATION PROTECTION SHALL BE THE SAME OR HIGHER RATING THAN THE ASSEMBLY.

15. THERMOSTATS: PROVIDE 24 VOLT, PROGRAMMABLE 24 HOUR, 7 DAY THERMOSTAT TO CONTROL HEATING STAGES IN SEQUENCE WITH DELAY BETWEEN STAGES AND SUPPLY FAN TO MAINTAIN TEMPERATURE SETTING. FOR HEAT PUMPS INCLUDE SYSTEM SELECTION SWITCH HEAT-OFF-COOL AND FAN CONTROL SWITCH (AUTO-ON), EMERGENCY HEAT SWITCH (AUXILIARY/EMERGENCY HEAT INDICATOR LIGHTS).

16. PROVIDE FIRE AND SMOKE RATED FLEXIBLE CONNECTIONS BETWEEN FANS AND DUCTS. MATERIAL SHALL COMPLY WITH NFPA 90A REQUIREMENTS FOR MATERIAL IN SUPPLY AIR STREAM.

17. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS INCLUDING CLEARANCES RECOMMENDED FOR PROPER OPERATION OR SERVICE. ALL FILTERS AND SERVICEABLE PARTS SHALL BE READILY ACCESSIBLE.

18. INDOOR DUCT INSULATION: FOIL-FACED FIBERGLASS, OWENS CORNING TYPE 75 OR EQUAL, 2.2" THICK(R-6), UNLESS THE INSULATED DUCT IS OUTSIDE BUILDING INSULATION ENVELOPE (ATTIC, CRAWLSPACE OR UNCONDITIONED SPACE) IN WHICH CASE THE DUCT INSULATION THICKNESS SHALL BE 3" THICK(R-8). DUCT SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND SMOKE DEVELOPED RATING OF NOT MORE THAN 50. GLASS-FIBER INSULATION: ALL SERVICE DUCT WRAP WITH FOIL SCRIM AND HAVING BACKING AND A K-VALUE OF 0.30 AT 75º F MEAN TEMPERATURE AND AN AVERAGE MAXIMUM DENSITY OF 0.75 LB/CU. FT.

19. ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTS SHALL BE INSULATED. ALL BATHROOM EXHAUST DUCTS, KITCHEN EXHAUST DUCTS SHALL BE INSULATED. EXHAUST DUCTS SHALL BE INSTALLED WITH A 1/8" SLOPE TO OUTSIDE. INSTALL ACOUSTICAL DUCT LINER ON THE INTERIOR SURFACE OF THE FIRST FIVE (5) LINEAR FEET OF SUPPLY DUCT DOWNSTREAM AND THE LAST FIVE (5) LINEAR FEET OF RETURN DUCT UPSTREAM OF ALL AIR HANDLERS AND ROOFTOP UNITS. INSULATE THE CONCEALED TOPS OF ALL CEILING MOUNTED SUPPLY AIR DIFFUSERS WITH FOIL-FACED FIBERGLASS, 1.5#/CUBIC FOOT DENSITY, 2" THICK. SEAL EDGES TO CEILING GRID WITH FOIL FACED TAPE TO PROVIDE VAPOR TIGHT SEAL.

20. ALL LOW PRESSURE DUCT BRANCHES SHALL CONTAIN MANUAL BALANCING DAMPERS. MANUAL BALANCING DAMPERS SHALL ALSO BE INSTALLED IN THE CONTINUATION OF THE MAIN, IF THE MAIN DUCT IS SMALLER OR THE SAME SIZE AS THE BRANCH DUCT, OR IF THE CONTINUATION OF THE MAIN SERVES ONLY ONE DEVICE.

21. MAKE ALL DUCT ELBOWS RIGHT ANGLE TYPE WITH SINGLE -THICKNESS TURNING VANES OR CONSTRUCT WITH CENTERLINE RADIUS 1-1/2 TIMES THE DUCT WIDTH.

22. DUCT SIZES SHOWN ON PLANS ARE CLEAR, INTERIOR DIMENSIONS. DUCT SIZES SHOWN SHALL BE ENLARGE TO ALLOW FOR LINER AT LOCATIONS OF INTERIOR LINER.

23. DO NOT CUT INTO OR REDUCE THE SIZE OF ANY STRUCTURAL MEMBER WITHOUT THE PERMISSION OF THE ARCHITECT.

24. PROVIDE WEATHER-PROOF FLASHING AT ALL DUCT AND PIPE PENETRATIONS THROUGH THE BUILDING WALLS. AS A MINIMUM, FLASHINGS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. FLASHINGS SHALL BE GUARANTEED WEATHERPROOF.

25. SUPPORT ALL HVAC UNITS, DUCTWORK, PIPING AND OTHER APPURTENANCES FROM STRUCTURE, PROVIDE VIBRATION ISOLATION AT ALL FANS WHICH ARE NOT INTERNALLY ISOLATED. PROVIDE HANGER ROD WITH BUILT IN RUBBER-IN-SHEAR ISOLATOR. BETWEEN DRAIN PAN AND UNIT PROVIDE 4 EACH RUBBER-IN-SHEAR ISOLATOR. DO NOT ATTACH VIBRATION ISOLATOR TO DRAIN PAN. DO NOT SCREW OR DRIVE FASTENERS INTO NON-STRUCTURAL COMPONENTS SUCH AS ROOF DECKS OR NON-LOAD BEARING WALLS.

26. THOROUGHLY CLEAN ALL COMPONENTS AND REMOVE ALL DIRT, SCALE, OIL, AND OTHER FOREIGN SUBSTANCES. PROVIDE CLEAN AIR FILTERS FOR ALL EQUIPMENT.

27. PERFORM ALL TESTS NECESSARY TO DEMONSTRATE THE INTEGRITY OF THE COMPLETE INSTALLATION TO THE APPROVAL OF THE ENGINEER AND ALL OTHER AUTHORITIES HAVING JURISDICTION. MAKE ALL ADJUSTMENTS NECESSARY AND BALANCE THE COMPLETED SYSTEM IN ACCORDANCE WITH THE DATA SHOWN. BALANCE THE SYSTEMS IN ACCORDANCE WITH NEBB OR AABC STANDARDS. ACCEPTABLE TOLERANCES SHALL BE MINUS TEN PERCENT TO PLUS FIVE PERCENT OF ALL MEASUREMENTS. BALANCING SHALL BE DONE BY AN INDEPENDENT LICENSED (BY NEBB OR AABC) TAB CONTRACTOR. MAKE THE FOLLOWING TESTS AND SUBMIT REPORTS TO THE ARCHITECT:
    a. AIRFLOW RATE AT EACH SUPPLY, RETURN AND EXHAUST OUTLET OR INLET.
    b. TOTAL AIRFLOW RATE AND TOTAL STATIC PRESSURE FOR EACH SUPPLY AND EXHAUST FAN. TEST EXHAUST FANS WITH ROOM DOORS CLOSED.
    c. MOTOR SPEED, FOR MULTIPLE SPEED FANS (E.G. HIGH, MEDIUM, LOW).
    d. FOR DIRECT DRIVE FANS, PROVIDE SPEED SETTINGS AND ACTUAL RPM, INCLUDING ECM MOTOR DRIVEN FANS
    e. PROVIDE FAN AND MOTOR RPM FOR BELT DRIVEN FANS. PROVIDE SHEAVE SIZES.
    f. OUTSIDE AIRFLOW RATE TO EACH HVAC UNIT AND SUPPLY FAN.
    g. MOTOR CURRENT (AND COMPARE WITH NAMEPLATE DATA) AT ALL MOTORS.
    h. ENTERING AND LEAVING AIR DRY-BULB AND WET-BULB CONDITIONS AT ALL COOLING COILS.
    i. HEAT OUTPUT CAPACITY FOR UNIT HEATERS, HEATING DEVICES AND COILS (KW OR MBH).
    j. MANUFACTURER, MODEL AND SERIAL NUMBER FOR EACH PIECE OF HVAC EQUIPMENT SCHEDULED ON DRAWINGS.
    k. CALIBRATE THERMOSTATS TO BE WITHIN ONE DEGREE OF ACTUAL TEMPERATURE AT THERMOSTAT.
    l. VERIFY THAT ALL HVAC DEVICES OPERATE AS SCHEDULED OR INDICATED (I.E. ON-OFF, 2-STAGE, VARIABLE OUTPUT (SCR HEATERS), ETC.

28. THE ENTIRE SYSTEM SHALL BE WARRANTED FOR A PERIOD OF ONE (1) YEAR BEGINNING WITH OWNER'S ACCEPTANCE OF THE WORK. COMPRESSORS SHALL INCLUDE A MINIMUM OF FIVE (5) YEAR PARTS ONLY WARRANTY FROM THE MANUFACTURER. ALL LABOR AND MATERIALS NECESSARY TO REPAIR OR REPLACE THE SYSTEM OR PORTIONS THEREOF, DURING THAT TIME SHALL BE WARRANTED FOR A PERIOD OF ONE (1) YEAR FROM THE REPAIR OF REPLACEMENT.

29. THE UNITS SHALL HAVE THE FOLLOWING FUNCTIONS AS A MINIMUM:
    a. AN AUTOMATIC RESTART AFTER POWER FAILURE AT THE SAME OPERATING CONDITIONS AS AT FAILURE.
    b. A TIMER FUNCTION TO PROVIDE A MINIMUM 24-HOUR TIMER CYCLE FOR SYSTEM AUTO START/STOP.
    c. TEMPERATURE-SENSING CONTROLS SHALL SENSE RETURN AIR TEMPERATURE.
    d. INDOOR COIL FREEZE PROTECTION.
    e. WIRELESS INFRARED REMOTE CONTROL AND/OR WIRED REMOTE CONTROL TO ENTER SET POINTS AND OPERATING CONDITIONS.
    f. DEHUMIDIFICATION MODE SHALL PROVIDE INCREASED LATENT REMOVAL CAPABILITY BY MODULATING SYSTEM OPERATION AND SET POINT TEMPERATURE.
    g. FAN-ONLY OPERATION TO PROVIDE ROOM AIR CIRCULATION WHEN NO COOLING IS REQUIRED.
    h. DIAGNOSTICS SHALL PROVIDE CONTINUOUS CHECKS OF UNIT OPERATION AND WARN OF POSSIBLE MALFUNCTIONS. ERROR MESSAGES SHALL BE DISPLAYED AT THE UNIT.
    i. FAN SPEED CONTROL SHALL BE USER-SELECTABLE: HIGH, MEDIUM, LOW, OR MICROPROCESSOR CONTROLLED AUTOMATIC OPERATION DURING ALL OPERATING MODES.
    j. AUTOMATIC HEATING-TO-COOLING CHANGEOVER IN HEAT PUMP MODE. CONTROL SHALL INCLUDE DEAD BAND TO PREVENT RAPID MODE CYCLING BETWEEN HEATING AND COOLING.
    k. INDOOR COIL HIGH TEMPERATURE PROTECTION SHALL BE PROVIDED TO DETECT EXCESSIVE INDOOR DISCHARGE TEMPERATURE WHEN UNIT IS IN HEAT PUMP MODE.

30. SUBMITTALS AND SUBMITTAL PROCEDURES:
    a. CONTRACTOR SHALL REVIEW THE SUBMITTAL DATA AND CHECK FOR THE PURPOSE OF COMPLIANCE WITH SAFETY REQUIREMENTS, VERIFICATION OF DIMENSIONS, CONTRACT DOCUMENTS AND METHODS AND MEANS PRIOR TO SUBMITTING TO DESIGN PROFESSIONAL. CONTRACTOR SHALL INDICATE APPROVAL BY INDICATING SUCH ON THE SUBMITTAL.
    b. TRANSMIT EACH SUBMITTAL ELECTRONICALLY IN PDF FORMAT.
    c. SEQUENTIALLY NUMBER SUBMITTAL FILES AND TRANSMITTAL FORM. REVISE SUBMITTALS WITH ORIGINAL NUMBER AND A SEQUENTIAL ALPHABETIC SUFFIX. FILE NAMES SHALL DESCRIBE ITEM INCLUDED IN FILE.
    d. IDENTIFY PROJECT, THE CONTRACTOR, SUBCONTRACTOR OR SUPPLIER; PERTINENT DRAWING AND DETAIL NUMBER, AND SPECIFICATION SECTION NUMBER, AS APPROPRIATE ON EACH COPY. EACH FILE SHALL INCLUDE AN INDEX OF ITEMS INCLUDED IN FILE.
    e. APPLY THE CONTRACTOR'S STAMP, SIGNED OR INITIALED CERTIFYING THAT REVIEW, APPROVAL, VERIFICATION OF PRODUCTS REQUIRED, FIELD DIMENSIONS, ADJACENT CONSTRUCTION WORK, AND COORDINATION OF INFORMATION IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE WORK AND CONTRACT DOCUMENTS.
    f. SUBMITTAL DATA FOR ALL ITEMS IN PROJECT SHALL BE SUBMITTED AT ONE TIME. SUBMITTAL SHALL BE DIVIDED INTO GROUPS WITH FILE SIZES NOT EXCEEDING 6 MB. IF THERE IS UNAVAILABLE DATA SUCH AS CONTROL SUBMITTAL, ETC., THESE MAY BE SUBMITTED LATER IF NOT DOING SO WOULD DELAY PROJECT PROGRESS. DATA SHALL INCLUDE CAPACITIES, COMPLETE INSTALLATION INSTRUCTIONS, DIMENSIONAL DATA AND ELECTRICAL DATA, BHP, MOTOR HP, OPERATING WEIGHTS AND LOAD DISTRIBUTION AT MOUNTING POINTS.
    g. DELIVER SUBMITTALS ELECTRONICALLY TO THE DESIGN PROFESSIONAL.
    h. SCHEDULE SUBMITTALS TO EXPEDITE THE PROJECT, AND COORDINATE SUBMISSION OF RELATED ITEMS.
    i. FOR EACH SUBMITTAL FOR REVIEW, ALLOW 15 DAYS EXCLUDING DELIVERY TIME TO AND FROM THE CONTRACTOR.
    j. IDENTIFY VARIATIONS FROM CONTRACT DOCUMENTS AND PRODUCT OR SYSTEM LIMITATIONS THAT MAY BE DETRIMENTAL TO SUCCESSFUL PERFORMANCE OF THE COMPLETED WORK.
    k. PROVIDE SPACE FOR THE CONTRACTOR AND THE ARCHITECT/ REVIEW STAMPS.
    l. WHEN REVISED FOR RESUBMISSION, IDENTIFY ALL CHANGES MADE SINCE PREVIOUS SUBMISSION.
    m. DISTRIBUTE COPIES OF REVIEWED SUBMITTALS AS APPROPRIATE. INSTRUCT PARTIES TO PROMPTLY REPORT ANY INABILITY TO COMPLY WITH REQUIREMENTS.
    n. SUBMITTALS NOT REQUESTED WILL NOT BE RECOGNIZED OR PROCESSED.
    o. PROVIDE FILES CONTAINING ONLY RELATED ITEMS (SUCH AS PIPING, EQUIPMENT, AIR DISTRIBUTION, ETC.)

31. INSTRUCT OWNER'S REPRESENTATIVE IN THE OPERATION OF THE SYSTEMS, USING THE OPERATION AND MAINTENANCE MANUAL AS A TEACHING AID.

32. PROVIDE AN OPERATION AND MAINTENANCE MANUAL. AS A MINIMUM, THE MANUAL SHALL CONTAIN:
    a. A COMPLETE LIST OF ALL EQUIPMENT AND APPURTENANCES WITH EQUIPMENT DESIGNATIONS (PER DRAWINGS), MANUFACTURERS, AND CATALOG NUMBERS.
    b. COPIES OF MANUFACTURERS' BROCHURES AND INSTRUCTIONS FOR OPERATION AND MAINTENANCE OF ALL MECHANICAL EQUIPMENT, INCLUDING REPLACEMENT PARTS LISTS.
    c. TYPED SYSTEM OPERATION AND MAINTENANCE INSTRUCTIONS, INCLUDING INSPECTION, LUBRICATION, AND SERVICE INSTRUCTIONS AND SCHEDULES.
    d. LIST OF NAMES, ADDRESSES AND PHONE NUMBERS OF DISTRIBUTORS OF ALL EQUIPMENT AND APPURTENANCES.
    e. MANUFACTURERS' WARRANTIES.

33. HORIZONTAL AIR HANDLER UNIT: INDOOR FAN-COIL UNIT SHALL BE DIRECT-EXPANSION HORIZONTAL HEAT PUMP AIR HANDLER WITH ELECTRIC STRIP HEAT SUSPENDED FROM STRUCTURE WITH AUXILIARY DRIP PAN AND CONDENSATE DRAIN. PROVIDE FLOAT SWITCH IN DRIP PAN TO SHUT DOWN UNIT IF PAN BEGINS TO FILL. UNIT SHALL BE COMPLETE WITH COOLING COIL, FAN, FAN MOTOR, PIPING CONNECTORS, ELECTRICAL CONTROLS, MICROPROCESSOR CONTROL SYSTEM, AND INTEGRAL TEMPERATURE SENSING. CABINET SHALL BE FULLY INSULATED FOR IMPROVED THERMAL AND ACOUSTIC PERFORMANCE. CONDENSATE PAN SHALL HAVE INTERNAL TRAP AND AUXILIARY DRIP PAN UNDER COIL HEADER. PROVIDE CONDENSATE TRAP RECOMMENDED BY MANUFACTURER. AIR FILTERS SHALL BE 1 INCH THICK GLASS FIBER, DISPOSABLE TYPE ARRANGED FOR EASY REPLACEMENT. PROVIDE NUMBER OF STAGES AS SCHEDULED. PROVIDE CONDENSATE OVERFLOW SWITCH (RECTORSEAL SAFE-T-SWITCH MODEL SS1 OR EQUIVALENT) WIRED TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW.

34. AIR SOURCE HEAT PUMPS (HP-1, 2, 3): OUTDOOR-MOUNTED, AIR-COOLED SPLIT SYSTEM OUTDOOR SECTION, CONSISTING OF A HERMETIC COMPRESSOR, AN AIR-COOLED COIL, PROPELLER-TYPE BLOW-THRU OUTDOOR FANS, ACCUMULATOR, FULL REFRIGERANT CHARGE, AND CONTROL BOX. UNIT SHALL FUNCTION AS THE OUTDOOR COMPONENT OF AN AIR-TO AIR COOLING SYSTEM AND USED IN A REFRIGERATION CIRCUIT MATCHED TO THE INDOOR UNIT. UNIT CONSTRUCTION SHALL COMPLY WITH ANSI/ASHRAE 15, LATEST REVISION, THE NEC, AND UL STANDARDS. PROVIDE RAIL SUPPORT SYSTEM COMPATIBLE WITH ROOFING SYSTEM. REFER TO SCHEDULE ON DRAWINGS FOR ADDITIONAL SPECIFICATIONS.

35. CONDENSING UNIT: OUTDOOR-MOUNTED, AIR-COOLED SPLIT SYSTEM OUTDOOR SECTION , CONSISTING OF A HERMETIC COMPRESSOR, AN AIR-COOLED COIL, PROPELLER-TYPE BLOW-THRU OUTDOOR FANS, ACCUMULATOR, FULL REFRIGERANT CHARGE, AND CONTROL BOX. UNIT SHALL FUNCTION AS THE OUTDOOR COMPONENT OF AN AIR-TO AIR COOLING SYSTEM AND USED IN A REFRIGERATION CIRCUIT MATCHED TO THE INDOOR UNIT. UNIT CONSTRUCTION SHALL COMPLY WITH ANSI/ASHRAE 15, LATEST REVISION, THE NEC, AND UL STANDARDS. PROVIDE RAIL SUPPORT SYSTEM COMPATIBLE WITH ROOFING SYSTEM. REFER TO SCHEDULE ON DRAWINGS FOR ADDITIONAL SPECIFICATIONS.

36. SMALL SPLIT AIR HANDLER UNIT(4 WAY): THE UNIT SHALL BE A FOUR-WAY CASSETTE STYLE INDOOR UNIT THAT RECESSES INTO THE CEILING WITH A CEILING GRILLE. THE INDOOR UNIT SHALL BE FACTORY ASSEMBLED, WIRED AND RUN TESTED. CONTAINED WITHIN THE UNIT SHALL BE ALL FACTORY WIRING, PIPING, ELECTRONIC MODULATING LINEAR EXPANSION DEVICE, CONTROL CIRCUIT BOARD AND FAN MOTOR. THE UNIT SHALL HAVE A SELF-DIAGNOSTIC FUNCTION, 3-MINUTE TIME DELAY MECHANISM, AN AUTO RESTART FUNCTION, AN EMERGENCY OPERATION FUNCTION AND A TEST RUN SWITCH. INDOOR UNIT AND REFRIGERANT PIPES SHALL BE CHARGED WITH DEHYDRATED AIR BEFORE SHIPMENT FROM THE FACTORY. THE UNIT SHALL BE PROVIDED WITH AN INTEGRAL CONDENSATE LIFT MECHANISM THAT WILL BE ABLE TO RAISE DRAIN WATER 19-3/4" INCHES ABOVE THE CONDENSATE PAN. BOTH REFRIGERANT LINES TO THE INDOOR UNITS SHALL BE INSULATED WITH ½" CLOSED CELL FOAM PLASTIC "ARMAFLEX". REFER TO SCHEDULE ON DRAWINGS FOR ADDITIONAL SPECIFICATIONS.

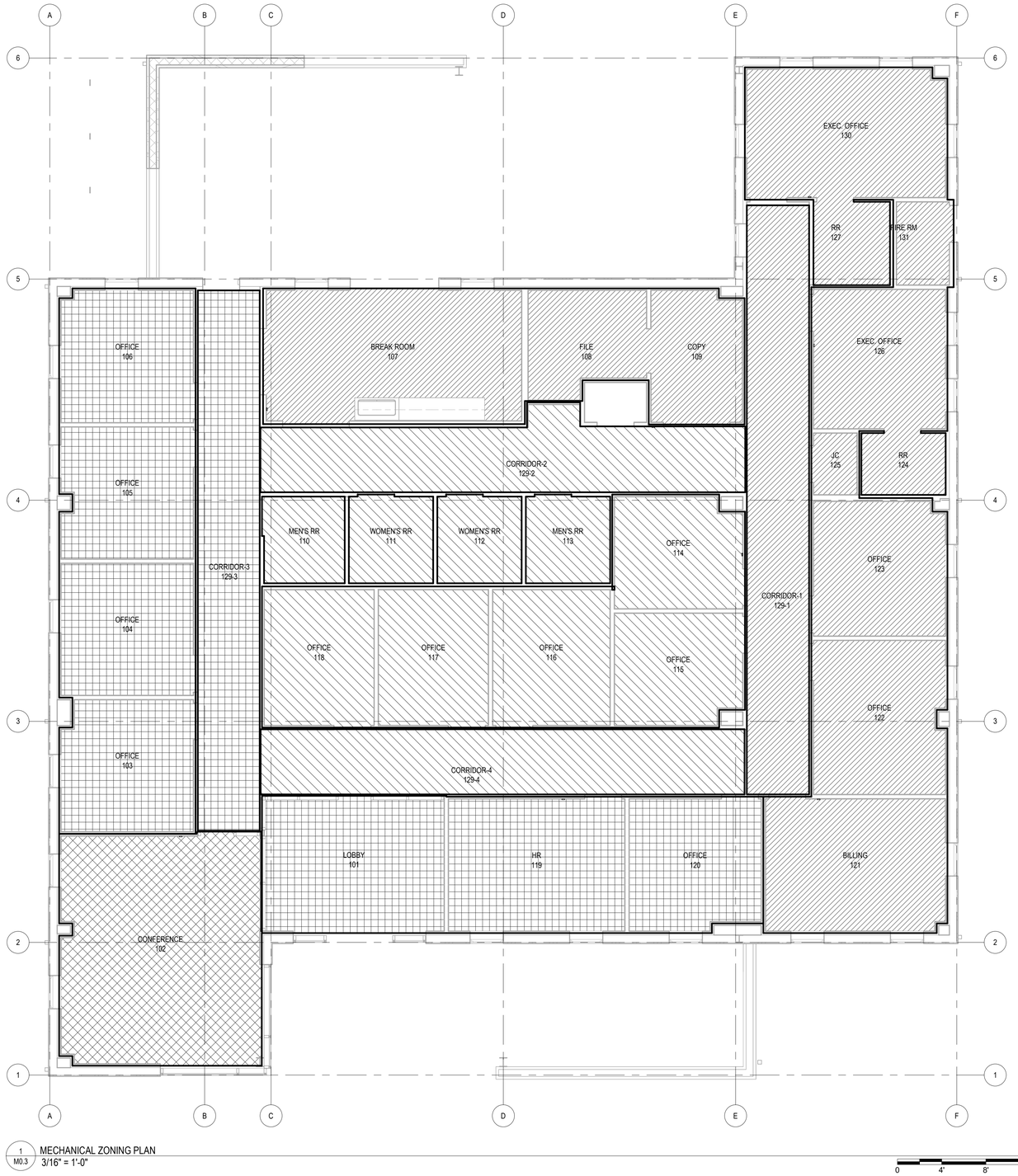
37. PROVIDE A DUCT SMOKE DETECTOR ON THE SUPPLY DUCT OF EACH AIR HANDLING UNIT WITH DESIGN AIRFLOWS EXCEEDING 2,000 CFM, AND WHERE SMALLER AIR HANDLING UNITS HAVE COMMON RETURN DUCTWORK OR PLENUM AND TOTAL AIR FLOW EXCEEDS 2,000 CFM. INSTALL DETECTOR IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE SECTION 606 SMOKE DETECTION CONTROL SYSTEM WITH GEORGIA AMENDMENTS 2018. DETECTORS SHALL BE PROVIDED BY THE ELECTRICAL/FIRE ALARM SUBCONTRACTOR AND SHALL BE INSTALLED BY THE MECHANICAL SUBCONTRACTOR. FOR OTHER FANS, SUCH AS EXHAUST FANS WITH DESIGN AIRFLOWS EXCEEDING 2,000 CFM, COORDINATE WITH THE ELECTRICAL/FIRE ALARM SUBCONTRACTOR TO PROVIDE ROOM OR DUCT SMOKE DETECTORS. WHERE NO FIRE ALARM SYSTEM IS INSTALLED IN BUILDING PROVIDE SMOKE DETECTOR, AUDIO VISUAL ANNUNCIATOR AND TROUBLE INDICATOR IN AN APPROVED LOCATION. DUCT SMOKE DETECTOR TROUBLE CONDITIONS SHALL ACTIVATE A VISIBLE OR AUDIBLE SIGNAL IN AN APPROVED LOCATION AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE. PROVIDE CONTACTS TO AUTOMATICALLY SHUT DOWN ALL SUCH FAN MOTORS WHEN SMOKE IS DETECTED, TO INDICATE DETECTOR STATUS TO THE FIRE ALARM SYSTEM, AND TO REQUIRE A MANUAL RESET OF THE SHUT-DOWN RELAY.

38. GRILLES, REGISTERS AND DIFFUSERS: GRILLES, REGISTERS, AND DIFFUSERS AS INDICATED ON THE DRAWINGS HAVE BEEN SELECTED FROM THE CATALOG OF THE MANUFACTURER NOTED AS THE BASIS OF DESIGN. SIZES, TYPES, AND PERFORMANCE OF THE DEVICES TO BE PROVIDED MUST BE COORDINATED TO INSURE CONFORMITY WITH DESIGN BASIS. SIDEWALL SUPPLY GRILLES AND REGISTERS SHALL HAVE VERTICAL FRONT BLADES; SIDEWALL RETURN GRILLES SHALL HAVE HORIZONTAL BLADES. GRILLES AND REGISTERS WITH BORDERS SHALL HAVE FELT OR RUBBER GASKETS CEMENTED TO THE BACK FACE AND HOLDING SCREWS NOT OVER 18 INCHES ON CENTERS AROUND THE PERIMETER. HOLDING SCREWS SHALL BE COUNTER-SUNK TO FIT FLUSH WITH FACE OF GRILLE OR REGISTER. GRILLES PASSING AIR THROUGH PARTITIONS SHALL BE AS DESCRIBED FOR WALL RETURN GRILLES, ONE FOR EACH SIDE OF PARTITION. REGISTER DAMPERS SHALL BE OF THE GANG-OPERATED, OPPOSED BLADE TYPE, OPERATED THROUGH THE FACE OF THE REGISTER. OPERATING MECHANISM SHALL NOT PROJECT THROUGH THE REGISTER FACE. MOUNTING FRAME SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLANS. CONSTRUCTION SHALL BE OF STEEL OR ALUMINUM AS SCHEDULED, WITH FRAME TYPE TO MATCH CEILING CONSTRUCTION. SIDEWALL SUPPLY GRILLES AND REGISTERS SHALL BE DOUBLE-DEFLECTION TYPE, WITH VERTICAL FRONT VANES. CONSTRUCTION SHALL BE OF STEEL, WITH 3/4 INCH BLADE SPACING. RETURN AIR GRILLES, RETURN AIR REGISTERS, EXHAUST GRILLES, EXHAUST REGISTERS AND TRANSFER AIR GRILLES LOCATED IN CEILINGS SHALL BE CONSTRUCTED OF ALUMINUM WITH "EGG-CRATE" DESIGN, WITH 1/2 INCH X 1/2 INCH X 1/2 INCH GRIDS. FRAME STYLE SHALL BE COMPATIBLE WITH CEILING CONSTRUCTION. INSTALL WALL GRILLES AND REGISTERS WITH HORIZONTAL EDGES PARALLEL TO CEILING. CONCENTRIC DIFFUSER ASSEMBLIES AT ROOF TOP UNITS SHALL HAVE PAINT-READY EXTERIOR FINISH AND 1-INCH LINED SUPPLY AND RETURN DUCTS THAT TRANSITION TO DIFFUSER SIZE WITHIN 24 INCHES VERTICALLY OF THE BOTTOM OF ROOF TOP UNIT CURB.

39. BASIC MOTOR REQUIREMENTS: BASIC REQUIREMENTS APPLY TO MECHANICAL EQUIPMENT MOTORS, UNLESS OTHERWISE INDICATED. MOTORS 1/2 HP AND LARGER: POLYPHASE, UNLESS OTHERWISE SCHEDULED. MOTORS SMALLER THAN 1/2 HP: SINGLE PHASE. FREQUENCY RATING: 60 HZ. SERVICE FACTOR: ACCORDING TO NEMA MG 1, GENERAL PURPOSE CONTINUOUS DUTY, DESIGN TYPE "B". ENCLOSURE: OPEN DRIP-PROOF, UNLESS OTHERWISE INDICATED. EFFICIENCY: MOTORS SHALL HAVE A HIGHER EFFICIENCY RATING THAN INDUSTRY STANDARD AVERAGE MOTOR AS DELINEATED IN IEEE STANDARD 112, TEST METHOD 13. THERMAL PROTECTION: WHERE INDICATED OR REQUIRED, INTERNAL PROTECTION AUTOMATICALLY OPENS POWER SUPPLY CIRCUIT TO MOTOR WHEN WINDING TEMPERATURE EXCEEDS A SAFE VALUE CALIBRATED TO TEMPERATURE RATING OF MOTOR INSULATION. THERMAL PROTECTION DEVICE AUTOMATICALLY RESETS WHEN MOTOR TEMPERATURE RETURNS TO NORMAL RANGE, UNLESS OTHERWISE INDICATED.

40. HANGERS AND SUPPORTS: BUILDING ATTACHMENTS: CONCRETE INSERTS OR STRUCTURAL-STEEL FASTENERS APPROPRIATE FOR BUILDING MATERIALS, AND BEAM CLAMPS. HANGER MATERIALS: GALVANIZED, SHEET STEEL OR ROUND, THREADED STEEL ROD. HANGERS INSTALLED IN CORROSIVE ATMOSPHERES: ELECTROGALVANIZED, ALL-THREAD ROD OR GALVANIZED RODS WITH THREADS PAINTED AFTER INSTALLATION. STRAPS AND ROD SIZES: COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS--METAL AND FLEXIBLE" FOR SHEET STEEL WIDTH AND THICKNESS AND FOR STEEL ROD DIAMETERS. DUCT ATTACHMENTS: SHEET METAL SCREWS, BLIND RIVETS, OR SELF-TAPPING METAL SCREWS COMPATIBLE WITH DUCT MATERIALS. TRAPEZE AND RISER SUPPORTS GALVANIZED STEEL SHAPES AND PLATES: STEEL SHAPES COMPLYING WITH ASTM A 36/A 36M.

41. SEALANT MATERIALS: JOINT AND SEAM SEALANTS, GENERAL: THE TERM "SEALANT" IS NOT LIMITED TO MATERIALS OF ADHESIVE OR MASTIC NATURE BUT INCLUDES TAPES AND COMBINATIONS OF OPEN-WEAVE FABRIC STRIPS AND MASTICS. JOINT AND SEAM TAPE: 2 INCHES WIDE; GLASS-FIBER FABRIC REINFORCED. JOINT AND SEAM SEALANT



1 M0.3 MECHANICAL ZONING PLAN
3/16" = 1'-0"

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
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135 P RICKMAN INDUSTRIAL DR.
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GEORGIA REGISTERED No. PE036864 PROFESSIONAL ENGINEER KRUNAL M PATEL
4/27/2026

PROJECT NUMBER: TE 25-113

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

PIPER ROAD - NEWTON COUNTY, GEORGIA

MECHANICAL ZONING PLAN

M0.3

CONSTRUCTION DOCUMENTS

TOTAL ENGINEERS
169 New Street, Macon, GA 31201
(478)741-4632 - T.E. project # 25-113
www.totalengineers.com
GA COA NO # PEF009195 EXP: 06/30/2026

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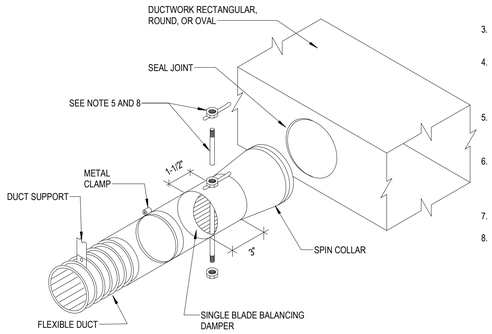
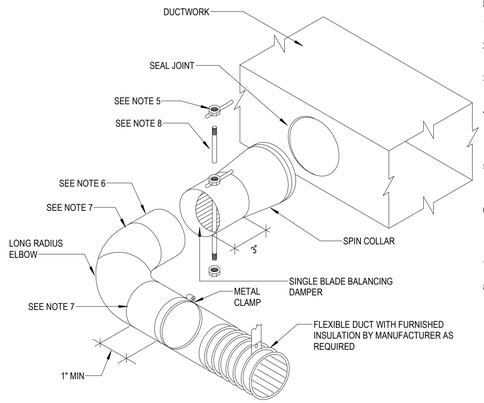


NOTES:

1. SUPPORT DUCTWORK AS REQUIRED.
2. BAND FLEX TO COLLAR 1/2" MINIMUM FROM OUTBOARD END OF COLLAR.
3. INSTALL SPIN COLLAR DAMPER IN OPEN POSITION; FINAL ADJUSTMENT BY TAB CONTRACTOR.
4. PULL FLEXIBLE DUCT INSULATION UP TO END OF SPIN COLLAR AT EDGE OF RECTANGULAR DUCTWORK; SEAL VAPOR BARRIER WITH GREY TAPE TO PREVENT MOISTURE MIGRATION.
5. PROVIDE EXTENSION RODS TO ACCOMMODATE INSULATION, PULL TO EDGE OF DUCTWORK AS REQUIRED AND SEAL TO AFFECT VAPOR BARRIER.
6. POP RIVET OR SHEET METAL SCREWS, MINIMUM 3 EACH AT 120 INTERVALS, CONNECTING STOVEPIPE TO COLLAR. ENSURE RIVETS OR SCREWS DO NOT INTERFERE WITH DAMPER.
7. TAPE AND SEAL ALL JOINTS TO PREVENT LEAKAGE.
8. INSTALL LOCKING QUADRANT AND HANDLE ON BOTTOM OF DUCT FOR EASY SERVICE (SHOWN ON TOP FOR EASE OF ILLUSTRATION ONLY).

1 M0.4 SPIN COLLAR FLEXIBLE DUCT CONNECTOR WITH DAMPER - LOW PRESSURE
NOT TO SCALE



NOTES:

1. SUPPORT DUCTWORK AS REQUIRED.
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3. INSTALL SPIN COLLAR DAMPER IN OPEN POSITION; FINAL ADJUSTMENT BY TAB CONTRACTOR.
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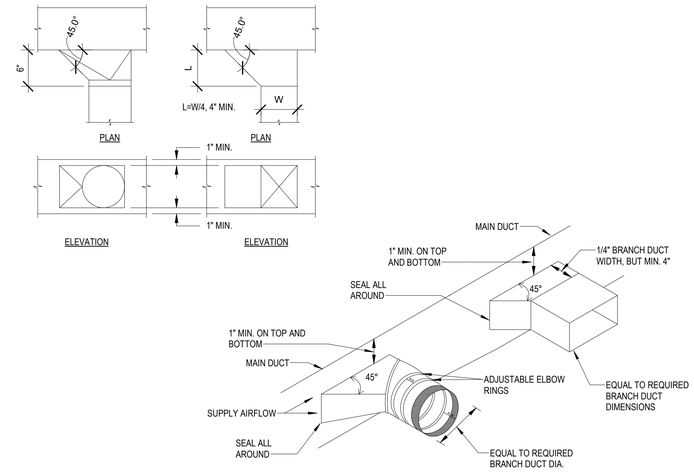
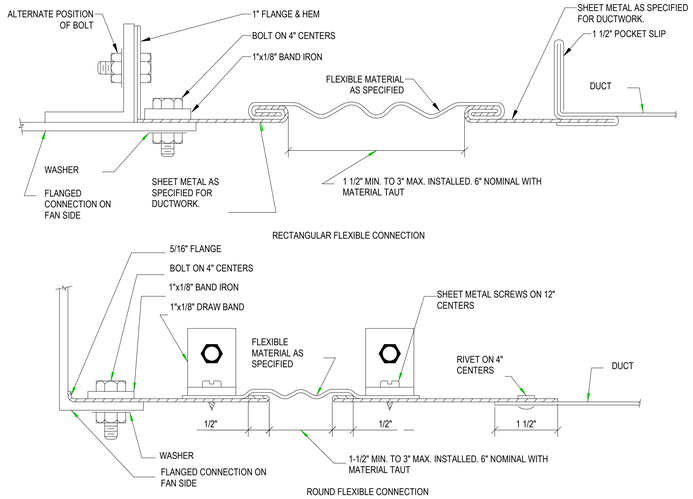
7. TAPE AND SEAL ALL JOINTS TO PREVENT LEAKAGE.
8. INSTALL LOCKING QUADRANT AND HANDLE ON BOTTOM OF DUCT FOR EASY SERVICE (SHOWN ON TOP FOR EASE OF ILLUSTRATION ONLY).

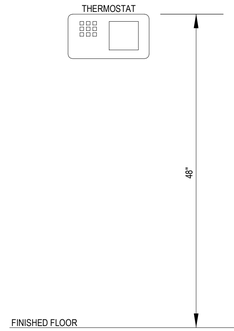
2 M0.4 SPIN COLLAR FLEXIBLE DUCT CONNECTOR WITH DAMPER AND WITH LONG RADIUS ELBOW - LOW PRESSURE
NOT TO SCALE



3 M0.4 TYPICAL BRANCH TAKEOFF FITTING DETAIL
NOT TO SCALE



4 M0.4 EQUIPMENT FLEXIBLE CONNECTION RECTANGULAR/ROUND
NOT TO SCALE



5 M0.4 T-STAT DETAIL
NOT TO SCALE

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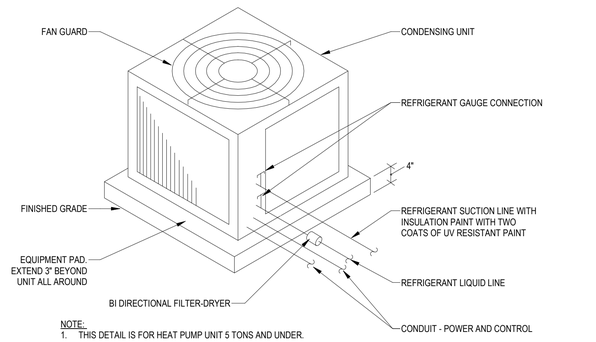
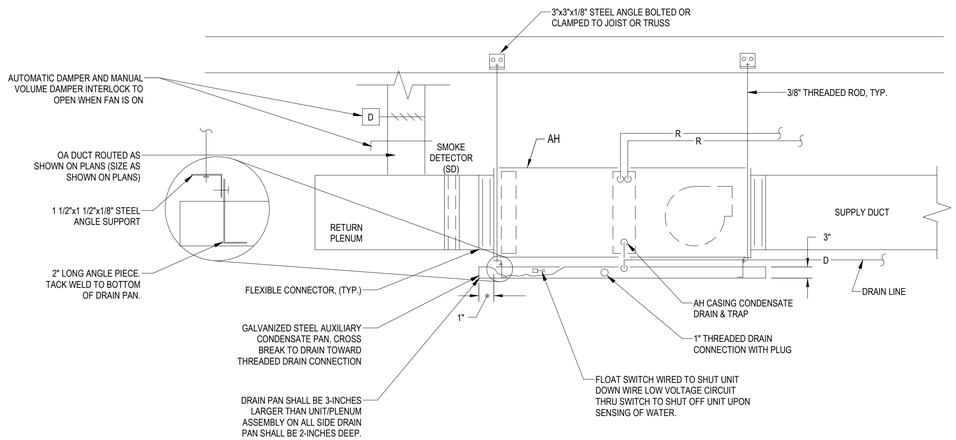
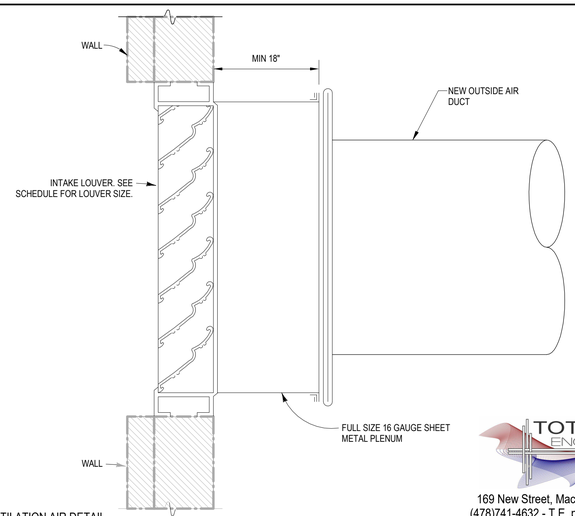


NOTE:
1. THIS DETAIL IS FOR HEAT PUMP UNIT 5 TONS AND UNDER.
2. PROVIDE 4"X4"WELDED WIRE MESH REINFORCING AT CENTER LINE FOR THE CONCRETE PAD.
3. PAD MAY BE PREFABRICATED DIVERSITECH ULTRALITE EQUIPMENT PAD OR EQUIVALENT.

6 M0.4 AIR COOLED CONDENSING UNIT SLAB MOUNTED
NOT TO SCALE



7 M0.4 AHU WITH AUXILIARY CONDENSATE PAN
NOT TO SCALE



8 M0.4 VENTILATION AIR DETAIL
NOT TO SCALE

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GEORGIA REGISTERED No.: PE036864 PROFESSIONAL ENGINEER KRUNAL M PATEL
4/27/2026

PROJECT NUMBER: TE 25-113

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
PIPER ROAD - NEWTON COUNTY, GEORGIA

MECHANICAL DETAILS

M0.4

CONSTRUCTION DOCUMENTS

TOTAL ENGINEERS
169 New Street, Macon, GA 31201
(478)741-4632 - T.E. project # 25-113
www.totalengineers.com
GA COA NO # PEF009195 EXP: 06/30/2026

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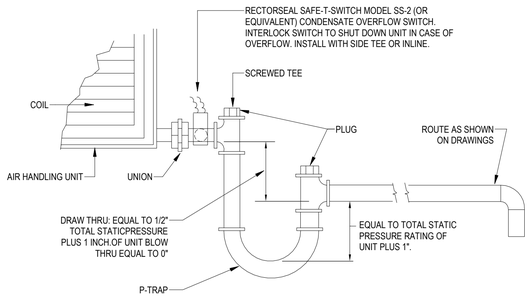
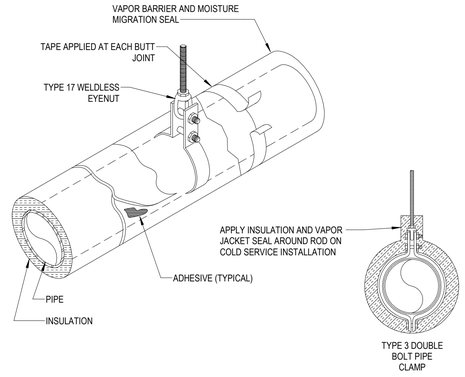
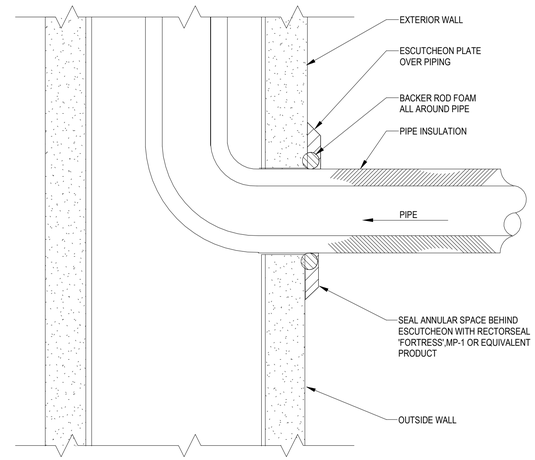


NOTE: DRAIN LINES SHALL BE ROUTED SEPARATE FROM REFRIGERANT LINE SETS.

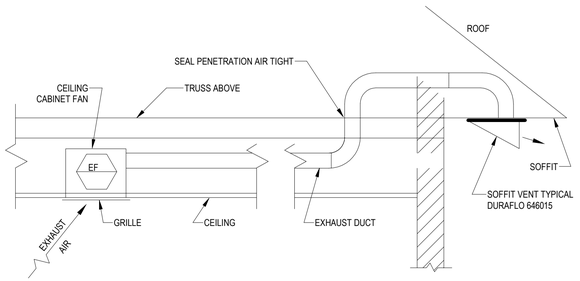
1 M0.5 CONDENSATE DRAIN DETAIL
NOT TO SCALE



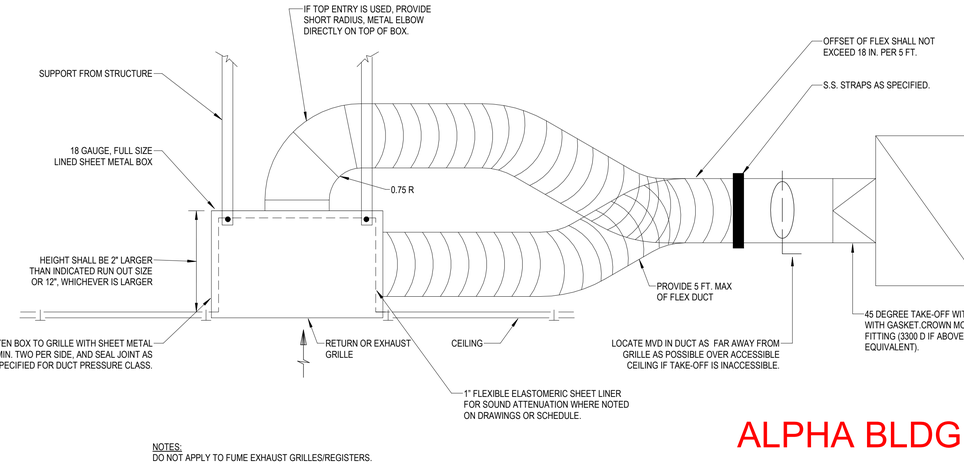
2 M0.5 PIPE HANGER, INSULATION AND VAPOR JACKET
NOT TO SCALE



3 M0.5 REFRIGERANT PIPE SLEEVE THROUGH WALL DETAIL
NOT TO SCALE



4 M0.5 CEILING EXHAUST FAN WITH SOFFIT DISCHARGE-DETAIL
NOT TO SCALE



NOTES:
DO NOT APPLY TO FUME EXHAUST GRILLES/REGISTERS.

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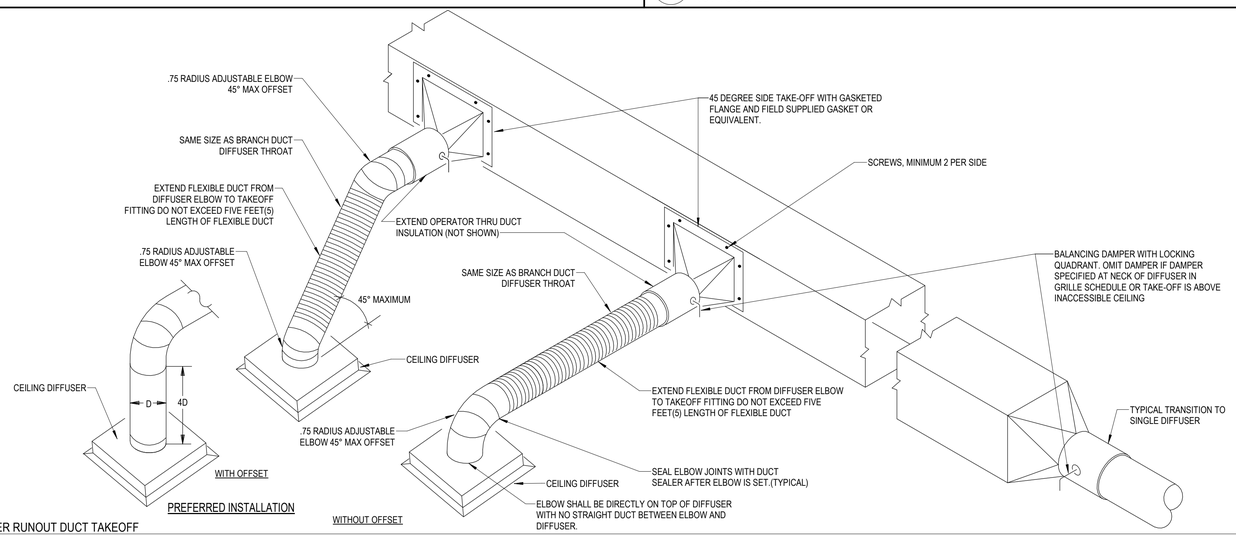
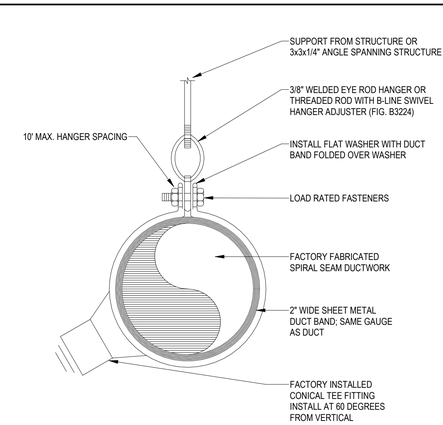
5 M0.5 DETAIL AT TYPICAL GENERAL RETURN AND EXHAUST GRILLE – LINED
NOT TO SCALE



6 M0.5 DIFFUSER RUNOUT DUCT TAKEOFF
NOT TO SCALE



7 M0.5 DUCT SUPPORT IN EXPOSED AREA
NOT TO SCALE

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GEORGIA REGISTERED No. PE036864 PROFESSIONAL ENGINEER KRUNAL M PATEL
4/27/2026

PROJECT NUMBER: TE 25-113

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

PIPER ROAD - NEWTON COUNTY, GEORGIA

MECHANICAL DETAILS

M0.5

CONSTRUCTION DOCUMENTS

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LOUVER SCHEDULE

NOTES:

1. CONTRACTOR TO INSTALL GRAVITY DAMPER.
2. LOUVER COLOR BY ARCHITECT.
3. MANUFACTURER INSTALLED BIRD SCREEN.
4. COMBINATION LOUVER/DAMPER. ALUMINUM DRAINABLE BLADE LOUVER.

MARK	MANUFACTURER	MODEL	LOUVER SIZE			AIR FLOW (CFM)	DUITY TYPE	DAMPER TYPE	PERFORMANCE			NOTES
			WIDTH (IN)	HEIGTH (IN)	DEPTH (IN)				AIR PRESSURE DROP (IN W.G.)	FREE AREA (SF)	FREE AREA VELOCITY (FT/MIN)	
L-1	GREENHECK	ESD-403	16	16	4	315	INTAKE	GRAVITY	0.043	0.62	505	1:2:3:4
L-2	GREENHECK	ESD-403	14	16	4	250	INTAKE	GRAVITY	0.038	0.53	472	1:2:3:4
L-3	GREENHECK	ESD-403	16	12	4	190	INTAKE	GRAVITY	0.032	0.44	436	1:2:3:4

HEAT PUMP AIR HANDLING UNIT SCHEDULE

NOTES:

1. UNIT AT 208/1Ø AUXILIARY HEATER AT 208/1Ø. UNIT SHALL HAVE SINGLE POINT CONNECTION. AIR-HANDLING UNIT WITH ECM MOTOR.
2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
3. PROVIDE AIR FILTERS, DUCT CONNECTIONS AND VIBRATION ISOLATION. PROVIDE PROGRAMMABLE THERMOSTAT AND SUPP. ELEC. HEAT MODULE CONNECTED TO UNIT FOR SINGLE POINT OF CONNECTION.
4. PROVIDE CONDENSATE TRAP(S) AS RECOMMENDED BY MANUFACTURER AND ROUTE CONDENSATE PIPING TO SUMP PIT IN BASEMENT. COORDINATE WITH PLUMBING.
5. HORIZONTAL CONFIGURATION UNIT.
6. PROVIDE AUXILIARY DRAIN PAN UNDER THE AIR HANDLERS WITH FLOAT ACTIVATED SWITCH TO SHUT THE UNIT DOWN INCASE OF CONDENSATE OVERFLOW. REFER TO DETAIL PROVIDED.
7. PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT OF AIR-HANDLING UNIT.
8. FLOAT ACTIVATED CONDENSATE SWITCH SHALL BE PROVIDED AND INSTALLED BY HVAC CONTRACTOR. DUCT SMOKE DETECTORS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR.
9. PROVIDE COIL OUTLET SWITCH TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW. WIRE COIL OUTLET SWITCH IN SERIES WITH AUXILIARY CONDENSATE SWITCH LOCATED IN DRAIN PAN.
10. UNIT SHALL HAVE MANUFACTURER'S REFRIGERANT LEAK DETECTION DISSIPATION SYSTEM.
11. PROVIDE CARRIER PROGRAMMABLE THERMOSTAT WITH FOUR SMART SENSORS. LOCATE SENSORS AND THERMOSTAT AS PER DRAWINGS.
12. THERMOSTAT AND SENSORS SHALL WORK TOGETHER TO GET AN AVERAGE TEMPERATURE OF OCCUPIED SPACES.

MARK	LAUOUT BASIS		TYPE	SUPPLY FAN				EVAP. COIL ENTERING AIR DESIGN CONDITIONS		EVAP. COIL LEAVING AIR DESIGN CONDITIONS		SYSTEM COOLING MAX. REQUIREMENTS		SUPPL. HEAT (KW)	UNIT WEIGHT (LBS)	ELECTRICAL		NOTES
	MANUFACTURER	MODEL		DESIGN AIRFLOW (CFM)	OUITSIDE AIRFLOW (CFM)	ESP (IN.WG)	HP	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	TOTAL (MBH)	SENSIBLE (MBH)			VOLTS	PHASE	
AH-1	CARRIER	FT5ANBD60L00	HORIZONTAL	1750	315	0.50	0.75	80.0	67.0	58.8	57.9	58.44	45.90	11.3	203	208	1	1:2:3:4:5:6:7:8:9:10:11:12
AH-2	CARRIER	FT5ANBC48L00	HORIZONTAL	1400	250	0.50	0.75	78.2	65.3	56.0	54.8	44.84	33.67	7.5	168	208	1	1:2:3:4:5:6:7:8:9:10
AH-3	CARRIER	FT5ANXB24L00	HORIZONTAL	700	190	0.50	0.50	78.2	65.3	55.9	54.8	22.27	16.89	6.0	124	208	1	1:2:3:4:5:6:7:8:9:10

AIR COOLED HEAT PUMP UNIT SCHEDULE

NOTES:

1. PROVIDE WITH DEFROST CONTROLS, LOW AMBIENT HEAD PRESSURE CONTROLS, AND ANTI-SHORT CYCLE TIMER. PROVIDE COIL GUARD.
2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
3. PROVIDE LIQUID LINE SOLENOID, CRANKCASE HEATER, TXV, START CAPACITOR AND RELAY AS RECOMMENDED BY MANUFACTURER FOR LONG LINE APPLICATIONS.
4. PROVIDE MOUNTING PAD AS PER DETAIL PROVIDED.
5. 2-STAGE COMPRESSOR UNIT.
6. PROVIDE LONG LINE ACCESSORIES PER NOTE 3 WHERE REFRIGERANT PIPE LENGTHS EXCEEDS 80-EQUIVLENT FEET.

MARK	DESCRIPTION	SYSTEM SERVES	MANUFACTURER	MODEL NO.	HEAT PUMP HEATING CAPACTY (BTU/HR)	REFRIGERANT TYPE	O.A. TEMPERATURE SUMMER (DB)	O.A. TEMPERATURE WINTER (DB)	NOMINAL CAPACITY (TONS)	SEER2	HSPF2	ELECTRICAL VOLT (V)	ELECTRICAL PH	NOTES
HP-1	CONDENSING UNIT	AH-1	CARRIER	27TPA854A003	54000	R-454B	95.0 °F	47.0 °F	5	17.5	8.1	208	1	1:2:3:4:5:6
HP-2	CONDENSING UNIT	AH-2	CARRIER	27TPA848A003	48000	R-454B	95.0 °F	47.0 °F	4	17	8.1	208	1	1:2:3:4:5:6
HP-3	CONDENSING UNIT	AH-3	CARRIER	27TPA824A003	24000	R-454B	95.0 °F	47.0 °F	2	17.5	8.1	208	1	1:2:3:4:5:6

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

NOTES:

1. PROVIDE STANDARD WHITE FINISH.
2. INSULATE BACK OF DEVICE.
3. BALANCE AIRFLOW TO QUANTITY SHOWN.
4. PROVIDE FULL SIZE SHEET METAL PLENUM ON TOP OF GRILLE FOR DUCT CONNECTION.
5. FACE SIZE IS NOMINAL 2" LARGER THAN DUCT SIZE. SEE FLOOR PLAN.
6. PROVIDE FACE OPERATED DAMPER THAT IS ACCESSIBLE FROM THE FACE OF REGISTER/DIFFUSER.

MARK	DESCRIPTION	LAYOUT BASIS		MATERIAL	FINISH	FACE SIZE	INSTALLATION TYPE	NOTES
		MANUFACTURER	MODEL					
R1	EGGCRATE GRILLE	TITUS	50F	ALUMINUM	WHITE ENAMEL	24x24	LAY-IN INSTALLATION	1:4
R2	EGGCRATE GRILLE	TITUS	50F	ALUMINUM	WHITE ENAMEL	24x12	LAY-IN INSTALLATION	1:4
S1	3-CONE DIFFUSER	TITUS	TMS	STEEL	WHITE ENAMEL	24x24	LAY-IN INSTALLATION	1:2:3
S2	3-CONE DIFFUSER	TITUS	TMS	STEEL	WHITE ENAMEL	12x12	LAY-IN INSTALLATION	1:2:3
S3	LOUVERED GRILLE	TITUS	300R	ALUMINUM	WHITE ENAMEL	NECK SIZE + 1-3/4"	SURFACE MOUNT INSTALLATION	1:3:5:6

FAN SCHEDULE

NOTES:

1. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
2. FAN TO BE INTERLOCKED WITH LIGHTS SUCH THAT FAN COMES ON WHEN LIGHTS ARE ON. PROVIDE 15-MINUTE TIME DELAY TO TURN OFF.
3. CENTRIFUGAL CEILING MOUNTED FAN. PROVIDE MANUFACTURER'S GRILLE, ROUND DUCT CONNECTION, SOLID STATE SPEED CONTROL AND MOTOR WITH THERMAL OVERLOAD.
4. FAN SHALL BE CONTROLLED BY DIGITAL TIME CLOCK 24/7-365 DAYS. TIME CLOCKS SHALL BE PROVIDED BY ELECTRICAL.

MARK	LAYOUT BASIS		FAN PROPERTIES			AIRFLOW PROPERTIES		ELECTRICAL		WEIGHT (LBS)	NOISE CRITERIA (SONES)	NOTES
	MANUFACTURER	MODEL	FAN TYPE	DRIVE TYPE	RPM	AIRFLOW (CFM)	TSP (IN.WG)	VOLTAGE (V)	PHASE			
EF-1	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	70	0.28	115	1	8	1.5	1:2:3
EF-2	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	685	50	0.25	115	1	8	0.8	1:3:4
EF-4	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	70	0.28	115	1	8	1.5	1:2:3
EF-5	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	70	0.28	115	1	8	1.5	1:2:3
EF-6	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	70	0.28	115	1	8	1.5	1:2:3
EF-7	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	70	0.28	115	1	8	1.5	1:2:3
EF-8	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	70	0.28	115	1	8	1.5	1:2:3

MINI SPLIT & HEAT PUMP FAN COIL SYSTEM SCHEDULE SCHEDULE

NOTES:

1. ROUTE CONDENSATE AS NOTED ON DRAWINGS. COORDINATE WITH PLUMBING.
2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
3. PROVIDE LONG LINE ACCESSORIES PER MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE DISCONNECT AND ELECTRICAL CONNECTION TO OUTDOOR UNIT PER MANUFACTURER'S INSTRUCTIONS.
5. CONTRACTOR MUST COORDINATE EXACT LOCATION OF DRAIN IN THE FIELD WITH PLUMBING CONTRACTOR. MECHANICAL MUST ROUTE CONDENSATE TO APPROPRIATE LOCATION OF DISPOSAL.
6. PROVIDE RECTOR SEAL SS610E CONDENSATE OVERFLOW SWITCH TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW.
7. ABOVE CEILING CONCEALED DUCTED UNIT. PROVIDE MANUFACTURER'S INTEGRAL CONDENSATE PUMP.
8. PROVIDE MANUFACTURER'S WIRED REMOTE CONTROLLER (7 DAY PROGRAMMABLE) MODEL KSACN1401AAA.

INDOOR UNIT MARK	OUTDOOR UNIT MARK	MANUFACTURER	OUTDOOR MODEL NO.	INDOOR MODEL NO.	MIN COOLING (MBH)	MIN HEATING (MBH) @ 47F	SUPPLY AIR CFM	SEER2	HSPF2	ELECTRICAL VOLTS	ELECTRICAL PHASE	NOTES
ACU-1	HPU-1	CARRIER	37MARAQ24AA3	45MBCAQ24XA3	24000	25000	635	22.1	8.1	208	1	1:2:3:4:5:6:7:8

ALPHA BLDG SET 06-18-2026

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GEORGIA REGISTERED No. PE036864 PROFESSIONAL ENGINEER KRUNAL M PATEL
4/27/2026

PROJECT NUMBER: TE 25-113

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
PIPER ROAD - NEWTON COUNTY, GEORGIA

MECHANICAL SCHEDULES

M0.6

CONSTRUCTION DOCUMENTS

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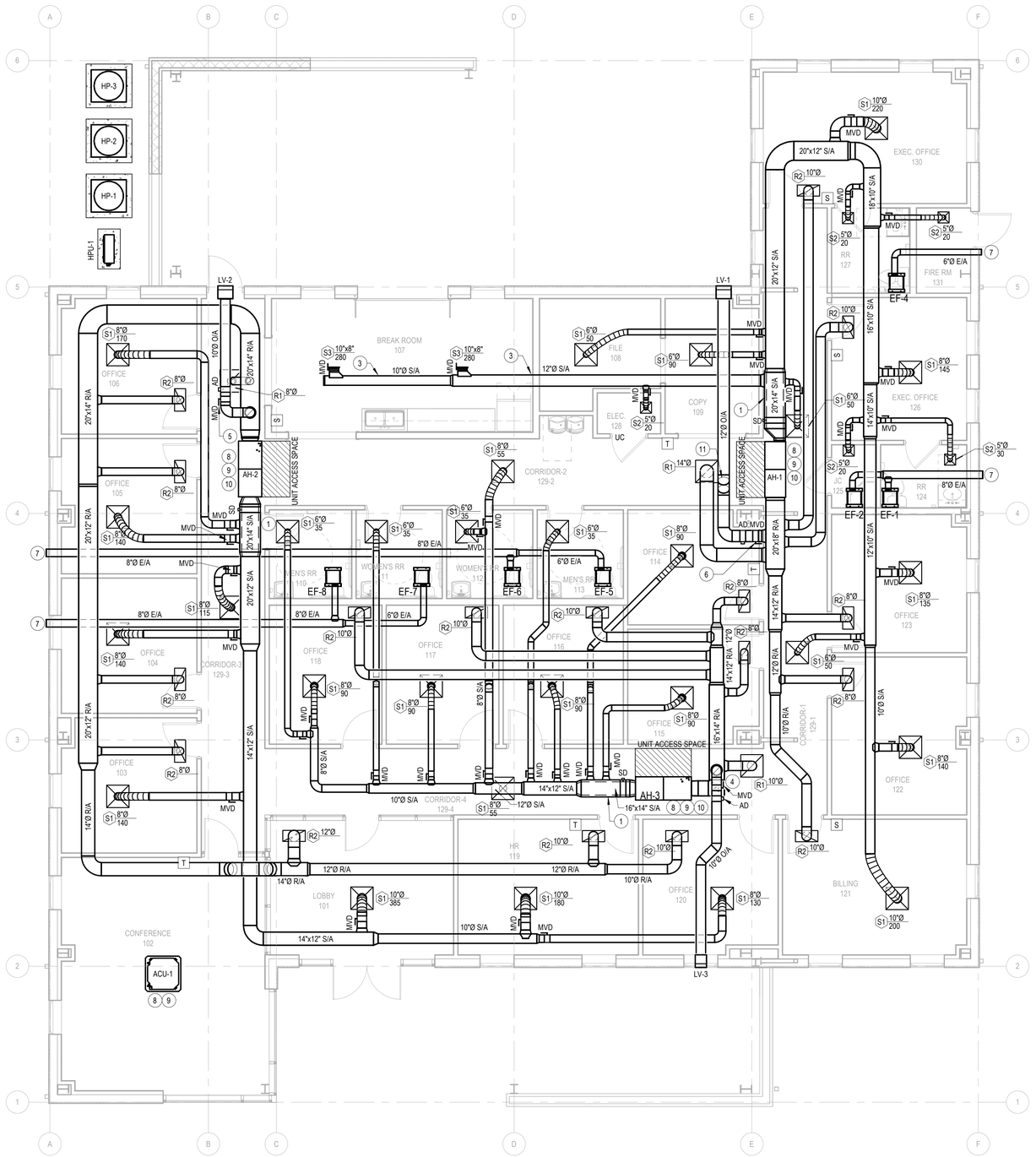

1 M1.1 MECHANICAL NEW WORK FLOOR PLAN
3/16" = 1'-0"

0 4' 8' 12'

#	NEW WORK NOTES - M1.1
NOTE NUMBER	NOTE TEXT
#	
1	1" DUCT LINER MINIMUM OF 5'-0" LONG INSIDE OF BUILDING. INCREASE DUCT SIZE TO KEEP INSIDE OF DUCT THE SAME SIZE OF CONNECTED DUCT.
3	VISIBLE DUCTWORK IN THE BUILDING SHALL BE EXPOSED SPIRAL DUCTWORK. PROVIDE PAINT GRIP FINISH. DUCTWORK SHALL BE PAINTED PER ARCHITECTURAL.
4	BALANCE OUTSIDE AIR MVD TO 190 CFM.
5	BALANCE OUTSIDE AIR MVD TO 250 CFM.
6	BALANCE OUTSIDE AIR MVD TO 315 CFM.
7	EXHAUST WALL CAP, INSTALL VENT CAP AT EXTERIOR EAVE. SEE DETAIL 4 ON SHEET M0.5. COORDINATE LOCATION OF VENT WITH STRUCTURE AND ARCHITECTURAL COMPONENTS.
8	ROUTE CONDENSATE TO OUTSIDE 12" AFF. PROVIDE 45-DEGREE ELBOW AT THE END OF PIPE TO GUIDE CONDENSATE AWAY FROM EXTERIOR WALL. PROVIDE SPLASH BLOCK AT DISCHARGE.
9	ROUTE REFRIGERANT PIPES FROM OUTDOOR UNIT TO RESPECTIVE INDOOR UNIT. ROUTE AND SIZE PER MANUFACTURER'S INSTRUCTIONS.
10	INSTALL AUXILIARY PAN WITH WATER-LEVEL MONITORING DEVICE (FLOAT SWITCH) UNDERNEATH THE NEW AH.
11	OFFSET DUCT UP.

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GEORGIA REGISTERED No. PEO36864 PROFESSIONAL ENGINEER KRUNAL M PATEL
4/27/2026

PROJECT NUMBER: TE 25-113

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
PIPER ROAD - NEWTON COUNTY, GEORGIA

MECHANICAL NEW WORK FLOOR PLAN

M1.1

CONSTRUCTION DOCUMENTS

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CSC.2024.01.007

PLUMBING SPECIFICATIONS

Provide all plumbing items indicated on the drawings, described herein or otherwise required for a complete and proper installation, including:
A. Plumbing fixtures, fittings and equipment.
B. Hot and cold water systems.
C. Drain waste and vent piping systems.
D. Indirect waste piping, including all valves, traps, piping and accessories for all equipment. Size per equipment requirements.

Comply with all applicable codes, standards and ordinances, including requirements of the Georgia State Minimum Standard Plumbing Code (2018 International Plumbing Code with all Georgia State Amendments), Georgia State Minimum Standard Gas Code (2018 International Gas Code with all Georgia State Amendments), Georgia State Minimum Standard Energy Code (2015 International Energy Conservation Code with all Georgia State supplements and Amendments), and the DOJ 2010 ADA Standards for Accessible Design with Georgia Amendments of Rule 120-3-20.

The contractor should not attempt to precisely scale dimensions from these drawings to obtain construction dimensions and clearance. The contractor shall verify all actual dimensions and clearances. Although these plans are diagrammatic in nature, they shall be followed as closely as site conditions, new construction, and work by other trades shall permit. Deviations from these drawings, which are required to conform to the available space or to actual building construction, shall be made at no additional cost to the owner.

The submission of a bid or proposal will be construed as evidence that the contractor has familiarized himself with the plans and building site. Claims made subsequent to the proposal for materials and/or labor due to difficulties encountered will not be recognized unless these difficulties could not have been foreseen, even though proper examination had been made.

Fabrication or ordering of any material or equipment prior to verification of site conditions shall be done at the contractor's risk.

All equipment and material shall be new and of first quality. Equipment and material shall be the same or equal to the basis of design listed on these drawings.

Coordinate with all trades and verify all equipment rough-in items and locations with the equipment supplier or contractor. All re-work and corrections required due to lack of coordination shall be the contractor's responsibility, and done at no cost to the owner.

Submit shop drawings and material data submittals to the engineer for approval before installation. No substitutions shall be allowed without prior approval by the engineer. Product data for piping, insulation, valves, specialties and all fixtures and equipment scheduled and specified here. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.

All equipment and flue materials shall be U.L. listed.

Installation shall comply with manufacturer requirements including all clearances recommended for proper operation of service. All serviceable parts shall be readily accessible.

Below ground sanitary drain and vent piping shall be solid-wall ASTM D2665 schedule 40 PVC. Install underground, PVC plastic drainage piping according to ASTM D2321. Above ground sanitary drain and vent piping shall be cellular-core ASTM F891 schedule 40 PVC. Install aboveground PVC piping according to ASTM D 2665.
All aboveground piping shall be adequately supported. Sanitary drain and vent piping shall have PVC Socket Fittings (ASTM D 2665, made to ASTM D 3311, drain, waste, and vent patterns and to fit Schedule 40 pipe). Slope pipe sizes 6" and under at 1/8 inch per foot continuously toward public sewer. Slope pipe sizes 8" and larger at 1/16 inch per foot continuously toward public sewer. Provide PVC IPEX type 1 expansion joints on alternating floors on horizontal sewer, storm, and vent risers over 30 feet tall.

Insulate aboveground floor drains, traps, and sanitary drain piping within 10 feet of drain receiving condensate and equipment drain water below 60° with 1" thick type i performed glass-fiber pipe insulation, 1-1/2" cellular glass, or 1" flexible elestomeric.

All above ground domestic water distribution piping shall be ASTM D 2846, SDR11, schedule 40 CPVC with socket fittings. All piping shall be adequately supported. Disinfect all domestic water piping after installation. All underground domestic water distribution piping 1" and smaller shall be ASTM D 876 & ASTM F 877 PEX with no fittings underground. All underground domestic water distribution piping 1-1/4" and larger shall be ASTM D 1785 schedule 40 PVC with ASTM D 2466 PVC socket fittings.

DOMESTIC WATER PIPING CLEANING

A. Clean and disinfect potable domestic water piping as follows:
   1. Purge new piping and parts of existing piping that have been altered, extended, or repaired before using.
   2. Use purging and disinfecting procedures prescribed by authorities having jurisdiction; if methods are not prescribed, use procedures described in either AWWA C651 or AWWA C652 or follow procedures described below:
      a. Flush piping system with clean, potable water until dirty water does not appear at outlets.
      b. Fill and isolate system according to either of the following:
         1) Fill system or part thereof with water/chlorine solution with at least 50 ppm (50 mg/L) of chlorine. Isolate with valves and allow to stand for 24 hours.
         2) Fill system or part thereof with water/chlorine solution with at least 200 ppm (200 mg/L) of chlorine. Isolate and allow to stand for three hours.
      c. Flush system with clean, potable water until no chlorine is in water coming from system after the standing time.
      d. Repeat procedures if biological examination shows contamination.
      e. Submit water samples in sterile bottles to authorities having jurisdiction.
B. Prepare and submit reports of purging and disinfecting activities. Include copies of water-sample approvals from authorities having jurisdiction.
C. Clean interior of domestic water piping system. Remove dirt and debris as work progresses.

Domestic water piping shall be insulated with Owens Corning type ASJ/SSL-II heavy density fiber glass with all service jacket. Insulation shall have a flame spread rating not to exceed 25 and a smoke density not to exceed 50 when tested in accordance with U.B.C. standard 42-1. Provide mastic on all joints and exposed ends of insulation. Insulate domestic Cold water piping in unconditioned spaces such as exterior corridors, attic, basements, etc with 1/2" thick insulation for piping 1-1/4" & smaller and 1" thick insulation for piping 1-1/2" & larger. Insulate all domestic Hot water supply and return piping with 1" thick insulation for piping 1-1/4" & smaller and 1-1/2" thick insulation for piping 1-1/2" & larger.

HW & CW Valves: Use pipe size valves, as shown below:
A. Ball: Spears CPVC True Union.
B. Check: Spears CPVC True Union.

Ball-Valve-Type Hose-End Drain Valves shall comply with MSS SP-110 for standard-port, two-piece ball valves. Copper alloy body, 3/4", 400-psig pressure rating, replaceable seats and seals, vinyl-covered steel handle, threaded short nipple outlet with garden-hose thread complying with ASME B1.20.7 and cap with brass chain.

Balancing valves shall confirmed to MSS SP-110 for two-piece, copper-alloy ball valves. Balancing valves shall be copper alloy, memory-stop type, chrome-plated brass ball, replaceable seats & seals, vinyl-covered steel handle with memory-setting device.

Fixture tailpieces, wall escutcheon, and traps for lavatories and sinks shall be brass tubing, semi-cast, or cast iron: All brass tubing shall be 17 gage, chrome plated. Exception: If the fixture tailpieces and traps are located in cabinets, the tailpiece & trap shall be PVC. Grid drains for public lavatories. Basket strainers for break room sinks.

Water Hammer Arresters shall comply with standard ASSE 1010, metal bellows type or copper piston type. Provide pressure reducing valve where pressure exceeds 79 PSI.

For accessible-fixture support include rectangular steel uprights. Lavatory Supports shall be type II, lavatory carrier with concealed arms and tie rod for wall-mounting, lavatory-type fixture. Include steel uprights with feet. For accessible-fixture support include rectangular steel uprights. Plate type wall hangers for water coolers. Water closet carrier shall be ASME A112.6.1M waste-fitting assembly, as required to match drainage piping material and arrangement with faceplates, couplings gaskets, and feet; bolts and hardware matching fixture. Include additional extension coupling, faceplate, and feet for installation in wide pipe space if required.

Thermometers shall comply with standard ASME B40.200.

Lavatory/ Sink supply fittings: NSF Standard: Comply with NSF/ANSI 61 Annex G, "Drinking Water System Components – Health Effects," for supply-fitting materials that will be in contact with potable water. Standard: ASME A112.18.1/CSA B125.1. Supply Stops: Chrome-plated-brass, one-quarter-turn, ball-type valve with inlet connection matching supply piping. Wheel handle operation. Risers: Chrome-plated, soft-copper flexible tube for exposed applications and ASME A112.18.6, braided- or corrugated-stainless-steel, flexible hose for conceal behind cabinet applications.

Provide ADA Supply and Drain Protective Shielding Guards on ADA fixtures that piping is exposed. Supply and Drain Protective Shielding Guards shall comply with ICC A117.1 and Americans with Disabilities Act (ADA) requirements. Manufactured plastic wraps shall cover hot and cold water supplies, trap, and drain piping.

All pipe hangers, clamps and channels shall be adequately sized to carry pipe loads and prevent sagging.

All other materials not specifically described but required for a complete and proper installation of work of this section, shall be new, first quality of their respective kinds, and as selected by the contractor subject to acceptance by the engineer.

Lay out the plumbing system in careful coordination with the drawings, determining proper elevations for all components of the system and using only the minimum number of bends to produce a satisfactorily functioning system. Follow the general layout shown on the drawings in all cases except where other work may interfere. Unless shown otherwise, lay out all pipes to fall within partition, wall floor, or roof cavities, and to not require furring other than as shown on the drawings.

Do not cut into or reduce the size of any load-carrying member without the prior approval of the architect. Install all pipes to clear all beams and obstructions.

Extend all plumbing vents above roof to parapet height.

Permanently close and make weatherproof any openings or penetrations of the building envelope made for plumbing systems. All wall and floor penetrations shall be sleeved. All exterior wall or foundation wall penetrations shall use a mechanical seal.

Coordinate all roof penetrations with architectural plans and building and roofing trades.

Provide shut-off balls valves and unions at all water connections to equipment and appliances.

Isolate all dissimilar metals with "EPCO" dielectric unions, except for brass or bronze valves with steel pipe.

Protect the potable water supply against backflow and siphonage from equipment, fixtures, etc., using approved backflow and anti-siphon devices.

Thoroughly clean all piping and equipment. Removing all dirt, rust, oil, and plaster.

Test Sanitary and storm drainage piping by plugging all openings and filling with water to a height equal to a 10 foot head. Allow to stand one hour or longer as required. Repair leaking joints and then re-test.

No work shall be covered until it has been inspected and accepted by the local authority.

Domestic water piping tests: Fill domestic water piping. Check components to determine that they are not air bound and that piping is full of water. Test for leaks and defects in new piping and parts of existing piping that have been altered, extended, or repaired. Leave new, altered, extended, or replaced domestic water piping uncovered and unconcealed until it has been tested and approved. Expose work that was covered or concealed before it was tested. Cap and subject piping to static water pressure of 50 psig (345 kPa) above operating pressure, without exceeding pressure rating of piping system materials. Isolate test source and allow it to stand for four hours. Leaks and loss in test pressure constitute defects that must be repaired. Repair leaks and defects with new materials, and retest piping or portion thereof until satisfactory results are obtained.

The entire system shall be warranted for a period of one (1) year beginning with Owner's acceptance of the work. All labor and materials necessary to repair or replace the system, or portions thereof, during that time shall be warranted for a period of one (1) year from the repair or replacement.

Install piping in concealed locations, unless otherwise indicated and except in equipment rooms, and service areas. Install piping indicated to be exposed and piping in equipment rooms and service areas at right angles or parallel to building walls. Diagonal runs are prohibited unless specifically indicated otherwise. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal. Install piping to permit valve servicing. Install piping at indicated slopes. Install piping free of sags and bends. Install fittings for changes in direction and branch connections. Install piping to allow application of insulation. Select system components with pressure rating equal to or greater than system operating pressure. Install escutcheons for penetrations of walls, ceilings, and floors. Verify final equipment locations for roughing-in.

Confirm that millwork is constructed with adequate provision for the installation of counter top lavatories and sinks.

Seal fixtures to wall and floor surfaces with sealant, color to match fixture.

All vents thru wall (SWVT) shall be offset a minimum of 10'-0" from all outside air intakes.

Provide Plastic Pipe Markers on all aboveground plumbing piping that Comply with ASME A13.1. Minimum information indicating flow direction arrow and identification of fluid being conveyed. Install labeling on pipe at intervals of not more than 20 feet and at least once in each room.

Provide a complete through penetration fire stopping assembly for fire resistance rated wall assemblies. The through penetration assembly must be listed by an approved third-party test agency (UL), and include the entire listed assembly with all notations. Refer to architectural drawings for fire wall locations.

Provide a backflow preventer at the water riser if backflow preventer is not shown on civil drawings.

Approved manufactures: (Items submitted shall be approved by architect and engineer. Architect and engineer reserve the right to reject any item substituted for basis of design item for any reason.)

China Fixtures: American Standard, Kohler, Toto, Zurn, Sloan
Faucets: Delta, T&S Brass, Chicago Faucets, Zurn, Kohler, Grohe, Moen, Speakman, Symmons
Supplies & Traps: Engineered Brass CO., Mcguire, Charlotte Pipe, Brasscraft, IPS, Watts, Zurn
Water Heaters: A.O. Smith, Lochinar, Bradford White, State, Rheem
Toilet Seats: Bemis, Centoco, Church Seats, Olsonite, Beneke, Zurn, Mainline
Stainless Steel Sinks: Dayton, Elkay, Just, Kohler, Moen, Sterling, Franke
ADA Protective Shielding Pipe Covers: Engineered Brass, McGuire, Plumberex, TRUEBRO, Zurn, Oatey
Fixture Supports: MIFAB, Jay R. Smith, Wade, Watts, Zurn
Mixing Valves: Armstrong, Leonard, Powers, Symmons, Lawler
Wall Hydrants/ Hose Bibbs: MIFAB, Jay R. Smith, Wade, Watts, Woodford, Zurn
Water Hammer Arresters: AMTROL, Josam, MIFAB, PPP, Sioux Chief, Jay R. Smith, Wade, Watts, Zurn
Outlet Boxes: Acorn, IPS, Oatey
CPVC Valves: American, NIBCO, Spears
Circulation Pumps: Armstrong, Bell & Gossett, Grundfos, TACO
Water Coolers: Elkay, Oasis, Haws
Mop Sinks: Stern Williams, Acorn, Fiat
Wash Fountains: Acorn, Willoughby, Bradley

FIXTURE AND EQUIPMENT SCHEDULE

#	FIXTURE TYPE	WASTE		WATER SUPPLY		WATER FIX. CONN.		MODEL NUMBER
		BELOW FLOOR	FIXTURE CONN.	COLD	HOT	COLD	HOT	
WC1	TANK TYPE ADA WATER CLOSET-RIGHT HAND TRIP LEVER	3"	3"	1/2"		1/2"		AMERICAN STANDARD 215AA.105 WATER CLOSET. CENTOCO 500STSCCSS SEAT
WC2	TANK TYPE WATER CLOSET	3"	3"	1/2"		1/2"		AMERICAN STANDARD 215AA.104 WATER CLOSET. CENTOCO 500STSCCSS SEAT
LAV1	ADA WALL-HUNG LAVATORY 0.5 GPM	2"	1-1/4"	1/2"	1/2"	1/2"	1/2"	KOHLER K-2005 LAVATORY. MOEN 8413F05 FAUCET.
LAV2	ADA DROP-IN LAVATORY	2"	1-1/4"	1/2"	1/2"	1/2"	1/2"	AMERICAN STANDARD 0475.020 LAVATORY. MOEN 8413F05 FAUCET.
SNK	BREAK ROOM SINK	2"	1-1/2"	1/2"	1/2"	1/2"	1/2"	ELKAY DAYTON DSE23321 SINK. MOEN 7594 FAUCET.
MOP	MOLDED-STONE MOP SINK	3"	3"	1/2"	1/2"	1/2"	1/2"	FIAT MSB 2424, 830-AA SERVICE FAUCET WITH VACUME BREAKER, 832-AA HOSE AND HOSE BRACKET, QDC-3XH DRAIN CONNECOTR,SILICON SEALANT, STAINLESS STEEL WALL GUARD & VINYL BUMP GAURD
HB	HOSE BIBB			3/4"		3/4"		WOODFORD 27.
OB	ICE MAKER BOX WITH WATER HAMMER ARRESTOR			1/2"		1/2"		WATER TITE AB9701HA.
EP	EQUIPMENT PLATFORM		1"					HOLDRITE 50-SWHP-W.
GCO	GRADE CLEANOUT	4"	4"					WATTS CO-200-RX-4-60.
FCO	FLOOR CLEANOUT	4"	4"					WATTS CO12. PROVIDE CARPET MARKER WHEN INSTALLED UNDER CARPET.
SWVT	SIDE WALL VENT TERMINAL	3"	3"					WATTS MS-8000.
EWC	ELECTRIC WATER COOLER	2"	1-1/2"	1/2"		1/2"		ELKAY EZSTL8WSLK.

WATER HEATER & TANK SCHEDULE

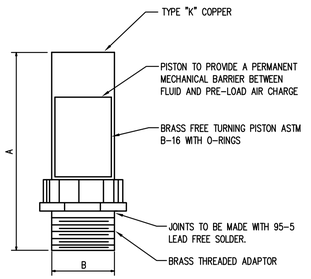
MARK	MANUFACTURER	MODEL NUMBER	TYPE	GPH @100° RISE	GALLON	KW	PHASE	VOLTAGE
WH	A.O. SMITH	ENLB-40	RESIDENTIAL LOWBOY ELECTRIC TANK TYPE	21	38	4.5	1	208
EV	WATTS	LFBRVM1	COMBINATION BALL VALVE AND RELIEF VALVE					

PUMP SCHEDULE

MARK	PUMP TYPE	BASIS OF DESIGN MANUFACTURER	MODEL NUMBER	RPM	WATTS	GPM	FEET HEAD	*ELECTRICAL	
								VOLTS	PHASE
RC	RECIRCULATING	TACO	006e3	1140-3720	44	0.15	1.5	120	1

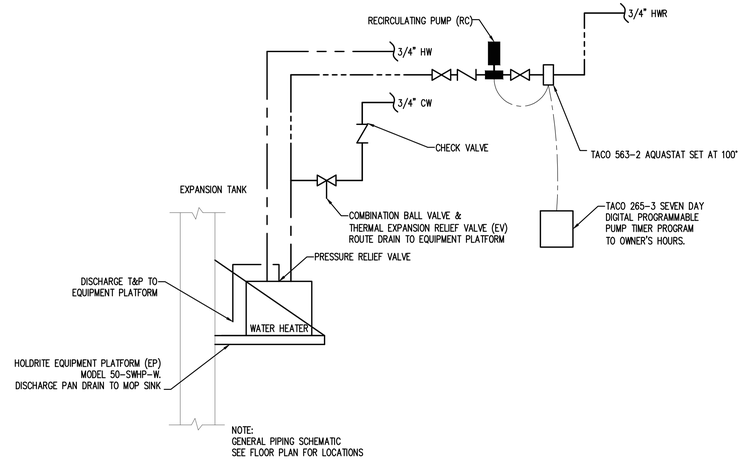
LEGEND

	SHUTOFF VALVE		COLD WATER	(TYP)	TYPICAL	VTR	VENT THRU ROOF
	CHECK VALVE		HOT WATER	C.T.	COUNTER-TOP	AFF	ABOVE FINISHED FLOOR
	PIPE UP		HOT WATER RETURN	DN	DOWN	CW	COLD WATER
	PIPE DOWN	G	GAS	CONN.	CONNECTION	HW	HOT WATER
PDI-B (H)	PDI UNIT WATER HAMMER ARRESTOR	GREASE	GREASE LADEN SEWER	NTS	NOT TO SCALE	HWR	HOT WATER RETURN
DWGS.	DRAWINGS		SEWER VENT	VT	VENT	B.F.F.	BELOW FINISH FLOOR
A	COMPRESSED AIR		SEWER	FFE	FINISHED FLOOR ELEVATION	CV	CLOSED VALVE
	PRESSURE REDUCING/ REGULATOR VALVE	F	FIRE SPRINKLER	FLR	FLR		
	DEMOLITION		EXISTING TO REMAIN		CONNECT TO EXISTING		



PPP SIZE	P.D.I. SYMBOL	FIXTURE UNIT RATINGS	A SIZE	B SIZE
1/2"	A	1 – 11	5"	1/2"
3/4"	B	12 – 32	5"	3/4"
1"	C	33 – 60	7"	1"
1-1/4"	D	61 – 113	7"	1-1/4"
1-1/2"	E	114 – 154	9"	1-1/2"
2"	F	155 – 330	9"	2"

WATER HAMMER ARRESTOR DETAIL
SCALE: N.T.S.



WATER HEATER (WH) PIPING SCHEMATIC
SCALE: N.T.S.

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
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GEORGIA REGISTERED No. PE036864 PROFESSIONAL ENGINEER KRUNAL M PATEL
4/27/2026

PROJECT NUMBER: 25-038

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
PIPER ROAD - NEWTON COUNTY, GEORGIA

PLUMBING SCHEDULES & SPECIFICATIONS

P-0.1

CONSTRUCTION DOCUMENTS

TOTAL ENGINEERS
169 New Street, Macon, GA 31201
(478)741-4632 - T.E. project # 25-113
www.totalengineers.com
GA COA NO # PEF009195 EXP: 06/30/2026

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FIRE PROTECTION BASIC MATERIALS AND METHODS (FIRE PROTECTION SECTION 1 OF 2)

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Pipe, fittings, valves, and connections for combination sprinkler and standpipe systems.

1.2 REFERENCES

A. ASME B16.1 – Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250; The American Society of Mechanical Engineers.

B. ASME B16.3 – Malleable Iron Threaded Fittings; The American Society of Mechanical Engineers.

C. ASME B16.4 – Gray Iron Threaded Fittings; The American Society of Mechanical Engineers.

D. ASME B16.5 – Pipe Flanges and Flanged Fittings; The American Society of Mechanical Engineers; (ANSI/ASME B16.5).

E. ASTM A 47/A 47M – Standard Specification for Ferritic Malleable Iron Castings.

F. ASTM A 53/A 53M – Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.

G. ASTM A 795/A 795M – Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use.

H. NFPA 13 – Standard for the Installation of Sprinkler Systems; National Fire Protection Association.

I. NFPA 24 – Standard for the Installation of Private Fire Service Mains and Their Appurtenances; National Fire Protection Association.

J. NFPA 72 – National Fire Alarm Code.

K. NFPA 101 – Code for Safety to Life from Fire in Buildings and Structures.

L. 2018 International Fire Code (as adopted and amended by the Rules and Regulations of the Safety Fire Commissioner Chapter 120-3-3-04(3))

M. UL (FPED) – Fire Protection Equipment Directory; Underwriters Laboratories Inc.; current edition.

N. UL 262 – Gate Valves for Fire-Protection Service; Underwriters Laboratories Inc..

O. Chapter 120-3-3 of the Rules of the Safety Fire Commissioner.

P. Georgia State Minimum Standard Building Code (International Building Code 2018 Edition, with Georgia State Amendments). NFPA Code, where more stringent, shall take precedence.

1.3 SUBMITTALS

A. Product Data: Provide manufacturers catalogue information. Indicate valve data and ratings.

B. Shop Drawings: Indicate pipe materials used, jointing methods, supports, floor and wall penetration seals. Indicate installation, layout, weights, mounting and support details, and piping connections.

C. Project As-Built Documents: Record actual locations of components and tag numbering.

D. Operation and Maintenance Data: Include installation instructions and spare parts lists.

1.4 QUALITY ASSURANCE

A. Fire Protection

1. The Contractor expressly warrants that the company performing the installation of the fire protection systems has demonstrated proficiency in the installation, start-up and adjustment of such systems by the successful performance of work of the nature specified herein on at least 5 commercial or institutional buildings, each containing minimum of 10,000 ft2 of protected area or greater.
2. The Contractor further warrants that the aforesaid subcontractor has trained personnel, instruments, tools, and equipment to perform the installation specified.
3. The Contractor also warrants that the aforesaid installer has been in business performing services of the nature specified herein for at least five-years.
4. Provide a certificate of competency as issued by the Georgia State Fire Marshal's Office.

B. Conform to UL and FM requirements.

C. Valves: Bear UL and FM label or marking. Provide manufacturer's name and pressure rating marked on valve body.

D. Products Requiring Electrical Connection: Listed and classified as suitable for the purpose specified and indicated.

1.5 DELIVERY, STORAGE, AND PROTECTION

A. Deliver and store valves in shipping containers, with labeling in place.

B. Provide temporary protective coating on cast iron and steel valves.

C. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.

1.6 EXTRA MATERIALS

A. Provide additional materials as provided in these specifications and by NFPA.

PART 2 PRODUCTS

2.1 GENERAL SYSTEM AND PRODUCT REQUIREMENTS

A. Sprinkler Systems: Conform work to NFPA 13.

B. Standpipe and Hose Systems: Conform to NFPA 14.

C. Welding Materials and Procedures: Conform to ASME Code.

D. Building is light hazard, ordinary hazard group, and extra hazard group. Pipe sizes shall be hydraulically calculated based upon flow test to be conducted by contractor.

E. Provide hydraulic calculations over the most remote 1500 square feet providing density required for hazard as indicated in NFPA 13. Minimum discharge pressure shall be 7.0 PSI. Minimum residual pressure at city water main in the street shall be 20.0 PSI. Provide 10.0 PSI minimum safety margin in hydraulic calculations at design point. Design area reduction per NFPA 13 is not allowed.

F. Basis of design: Contractor shall perform, or have performed, at the same time, a Fire Flow and Twenty Four Hour Static Test to assure flow equals or exceeds specified basis of design flow rate prior to preparing shop drawings, installing system or performing calculations. Prepare calculations based on confirmed flow data or basis of design flow data, whichever is lowest. Flow test shall be performed in accordance with NFPA 13 and Rules and Regulations of Safety Fire Commissioner, O.C.G.A. Chapter 120-3-3. Modify flow test pressures (static and residual), if pressure recorded in 24 hour test is lower than flow test pressures for one hour duration, to lowest hour test pressure.

G. No pipe shall be routed above electrical panels and equipment as required by National Electrical Code, on control side or beneath suspended mechanical equipment except where specifically required by Code, in which case, provisions shall be made for service access.

H. Inspectors test connection(s) shall discharge to the outside of the building in location(s) acceptable to the Architect.

I. Inside auxiliary drains, if needed, shall discharge in location(s) acceptable to the Architect.Drain and test connection piping, if in finished space, shall be installed concealed.

2.2 BURIED PIPING

A. Refer to Civil plans and specifications for piping type.

2.3 ABOVE GROUND WET SYSTEM PIPING

A. Steel Pipe: ASTM A 795 Schedule 10 or ASTM A 53 Schedule 40, black. Piping 2" and smaller shall be threaded. Piping 2 1/2" and larger shall be grooved with rigid couplings.

1. Cast Iron Fittings: ASME B16.1, flanges and flanged fittings and ASME B16.4, threaded fittings.
2. Malleable Iron Fittings: ASME B16.3, threaded fittings and ASTM A 47/A 47M.
3. Mechanical Grooved Couplings: Rigid malleable iron housing clamps to engage and lock, "C" shaped elastomeric sealing gasket, steel bolts, nuts, and washers; galvanized for galvanized pipe. Reducing couplings are NOT allowed.

2.4 PIPE HANGERS AND SUPPORTS

A. Hangers for Pipe Sizes 1/2 to 1-1/2 inch: Malleable iron, adjustable swivel, split ring.

B. Hangers for Pipe Sizes 2-inches and Over: Carbon steel, adjustable, clevis.

C. Multiple or Trapeze Hangers: Steel channels with welded spacers and hanger rods.

D. Vertical Support: Steel riser clamp.

E. Floor Support: Cast iron adjustable pipe saddle, lock nut, nipple, floor flange, and concrete pier or steel support.

F. Provide support for any vertical pipe 36" in length or greater except armovers. Provide supports 12'-0" O.C. maximum or at floor levels.

G. Threaded rods shall NOT be bent. Bending is permitted only in unthreaded sections of hanger rods. Bending shall occur as close to the hanger as possible. Provide a swivel assembly if required.

2.5 GATE VALVES

A. Up to and including 2 inches:

1. Manufacturers:
   a. Nibco Scott; Product T-104-O
   b. Jenkins; Product 275U
   c. Hammond; Product 1B681
   d. Stockham; Product B-133
   e. Kennedy; Product Fig. 66
2. Bronze body, bronze trim, rising stem, handwheel, solid wedge or disc, threaded ends.

B. Over 2 inches:

1. Manufacturers:
   a. Nibco Scott; Product F-607-OTS
   b. Crane; Product 467
   c. Jenkins; Product 825-A
   d. Hammond; Product 1R1154
   e. Stockham; Product G-634
   f. Kennedy; Product Fig. 68
2. Iron body, bronze trim, rising stem pre-grooved for mounting tamper switch, handwheel, OS&Y, solid rubber covered bronze or cast iron wedge, flanged ends.

2.6 GLOBE VALVES

A. Bronze body, rubber disc, union bonnet, 174 W.W.P., threaded ends.

B. Up to and including 2 inches:

1. Manufacturers:
   a. Nibco-Scott; Product KT-65.
   b. Kennedy; Product 97SD.
   c. United; Product 125S.
   d. Fairbanks; Product 4691-3.

2.7 ANGLE VALVES

A. Bronze body, rubber disc, union bonnet, 174 non-shock cold water, threaded ends.

B. Up to and including 2 inches:

1. Manufacturers:
   a. Nibco-Scott; Product T-301-W.
   b. Kennedy; Product 985D.
   c. United; Product 126S.
   d. Fairbanks; Product 4691-3.

2.8 BUTTERFLY VALVES: Not allowed.

2.9 CHECK VALVES

A. Iron body, U.L. Listed- F.M. Approved, swing type, bronze trimmed, bronze seat and disc, flanged ends.

B. Manufacturers:

1. Jenkins; Product 629
2. Crane; Product 375
3. Stockham; Product G-939
4. Mueller; Product A-2120-6
5. Kennedy; Product #126

2.10 INDICATOR POSTS

A. Cast iron base, top section, & cap; malleable iron wrench and locking device; steel stem; cast iron coupling; bronze target holder with aluminum "shut" and "open" targets; Underwriters Laboratories listed, and Factory Mutual approved; available for varying trench depth; and with adjustable depth features.

B. Manufacturers:

1. Kennedy Fig. Series 741.
2. Nibco NIP-1.
3. Stockham G-951.
4. Mueller A-20804.

2.11 UNDERGROUND GATE VALVES

A. 2 1/2-inch and larger, iron body, non-rising stem, bronze stem, iron mounted disc with bronze rings, cast iron 2-inch square operating nut, flange, ends, AWWA spec. C-500.

B. Manufacturers:

1. Kennedy Fig. 701X.
2. Nibco F-609.
3. Stockham G-635.
4. Mueller A-2075-20.
5. M & H Fig. 3067.

PART 3 EXECUTION

3.1 PREPARATION

A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.

B. Remove scale and foreign material, from inside and outside, before assembly.

C. Prepare piping connections to equipment with flanges or unions.

D. Storage: All piping shall be stored above ground and protected to prevent dirt and debris from entering pipe.

3.2 INSTALLATION

A. Install sprinkler system and service main piping, hangers, and supports in accordance with NFPA 13 and these specifications.

B. Install standpipe piping, hangers, and supports in accordance with NFPA 14.

C. Install post indicator valve (PIV) upstream of backflow device.

D. Route piping in orderly manner, plumb and parallel to building structure. Maintain gradient.

E. Install piping to conserve building space, to not interfere with use of space and other work.

F. Group piping whenever practical at common elevations.

G. All piping shall be installed above ceilings in a concealed manner except where no ceilings are present

H. Sleeve pipes passing through partitions, walls, and floors.

I. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.

J. Reducing Tees: Weld-on threaded outlet tees and Coupolet-300 by Bonney Forge Division of Energy Products Group, Central Sprink 701, "TEE-LET" 300 by Merit Manufacturing Corp., NAP300 by North Alabama Pipe Corp., F400 by Grinnell Corp. may be used for side outlet reducing tees more than two pipe sizes smaller than main. Discs shall be retrieved and connected to pipe at point of cutting. Cutting shall comply with NFPA 13, Chapter 6.5.2.9.

K. Couplings may be used on gridded systems at only one end of each gridded branch line or on 2 1/2" or larger riser nipple to 2" or smaller branch line to facilitate connection provided that the coupling is connected to piping by a cut groove. Rolled grooves are not acceptable.

L. Pipe Hangers and Supports:

1. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
2. Place hangers within 12 inches of each horizontal elbow.
3. Use hangers with 1-1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
4. Support vertical piping at every floor. Support riser piping independently of connected horizontal piping.
5. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.

M. Slope piping and arrange systems to drain at low points. Use eccentric reducers to maintain top of pipe level.

N. Prepare pipe, fittings, supports, and accessories for finish painting. Where pipe support members are welded to structural building framing, scrape, brush clean, and apply one coat of zinc rich primer to welding.

O. Do not penetrate building structural members unless indicated.

P. Provide sleeves when penetrating floors and walls. Seal pipe and sleeve penetrations to achieve fire resistance equivalent to fire separation required.

Q. When installing more than one piping system material, ensure system components are compatible and joined to ensure the integrity of the system. Provide necessary joining fittings. Ensure flanges, union, and couplings for servicing are consistently provided.

R. Die cut threaded joints with full cut standard taper pipe threads with red lead and linseed oil or other non-toxic joint compound applied to male threads only.

S. Install valves with stems upright or horizontal, not inverted. Remove protective coatings prior to installation.

T. Provide gate valves for shut-off or isolating service. No valve shall be installed with the centerline, if horizontal, or wheel, if vertical, more than 9'-0" AFF.

U. Provide drain valves at main shut-off valves, low points of piping and apparatus.

3.3 CLEANING AND PROTECTION

A. All materials, equipment and mechanical rooms shall be cleaned prior to the Final Inspection.

B. Wash down and scrub clean all mechanical room floors, walls, equipment bases and equipment.

C. Paint equipment where finish has been damaged requiring retouching of finish to match factory finish.

D. Chipped or scraped paint shall be retouched to match original finish.

E. All dents and sags in equipment casing shall be straightened.

F. All equipment, pipe, pipe fittings and appurtenances shall be free of rust and stains prior to substantial completion.

3.4 FINISHING EQUIPMENT AND MATERIAL

A. Use paint systems specified in Division 9 for the substrates to be finished.

B. Paint shop-primed equipment.

C. Re-install electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

D. Paint all exposed pipes, unless otherwise indicated.

E. All ferrous fasteners and hanger supports not having a corrosion resistant plated finish shall be painted to prevent rust.

F. Paint all equipment, including that which is factory-finished, exposed to weather or to view on the roof and outdoors.

G. Paint all exposed un-insulated ferrous materials.

END OF SECTION

FIRE SUPPRESSION SPRINKLERS (FIRE PROTECTION SECTION 2 OF 2)

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Wet Type Sprinkler System

B. Dry-pipe sprinkler system.

C. System design, installation, and certification.

D. Fire department connections.

1.2 REFERENCES

A. NFPA 13 – Standard for the Installation of Sprinkler Systems; National Fire Protection Association.

B. NFPA 14 – Standard for the Installation of Standpipe and Hose Systems; National Fire Protection Association.

1.3 SUBMITTALS

A. Product Data: Provide data on sprinklers, valves, and specialties, including manufacturers catalog information. Submit performance ratings, rough-in details, weights, support requirements, and piping connections.

B. Shop Drawings:

1. Indicate hydraulic calculations, detailed pipe layout, hangers and supports, sprinklers, components and accessories. Indicate system controls.
2. Submit shop drawings, product data, and hydraulic calculations to Fire Marshall for approval and to Architect for review. Submit to Architect prior to submitting to Fire Marshal. Submit proof of approval to the Architect.

C. Project As-Built Documents: Record actual locations of sprinklers and deviations of piping from drawings. Indicate drain and test locations. Provide two (2) CD and three (3) paper copies of as-built drawings.

D. Manufacturer's Certificate: Certify that system has been tested and meets or exceeds specified requirements and code requirements. All certificates shall be signed by certificate holder.

E. Operation and Maintenance Data: Include components of system, servicing requirements, record drawings, inspection data, replacement part numbers and availability, and location and numbers of service depot.

1.4 QUALITY ASSURANCE

A. Maintain one copy of referenced design and installation standard on site.

B. Conform to UL requirements.

C. Equipment and Components: Provide products that bear UL label or marking.

D. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc., as suitable for the purpose specified and indicated.

1.5 DELIVERY, STORAGE, AND PROTECTION

A. Store products in shipping containers and maintain in place until installation. Provide temporary inlet and outlet caps. Maintain caps in place until installation.

B. Store piping off floor and out of elements. Provide cover for piping to prevent dirt and debris from entering piping. Piping and fittings shall be rust free when installed.

1.6 EXTRA MATERIALS

A. Provide extra sprinklers of type and size matching those installed, in quantity required by referenced NFPA design and installation standard.

B. Provide suitable wrenches for each sprinkler type.

C. Provide metal storage cabinet located at piping entrance to building.

PART 2 PRODUCTS

2.1 SPRINKLER SYSTEM REQUIREMENTS

A. Sprinkler System: Provide coverage for entire building.

B. Occupancy: comply with NFPA 13.

C. Water Supply: Contractor shall perform or have performed an NFPA-13 water flow test data and a 24 hour static pressure test. Adjust flow test to lowest pressure recorded by 24 hour test of one hour duration.

D. Interface system with building fire alarm system.

E. Provide fire department connections where indicated on FP and civil drawings.

2.2 SPRINKLERS

A. Tyco and affiliates, Automatic Sprinkler, Reliable, Viking.

B. All sprinklers installed shall be by the same manufacturer.

C. Contractor shall select temperature ratings in accordance with NFPA 13, paragraph 8.3.2.

D. Suspended Ceiling Type: Recessed pendant type with matching flush push on escutcheon plate.

1. Finish: Chrome plated.
2. Escutcheon Plate Finish: Chrome plated.
3. Quick response Glass bulb type temperature rated for specific area hazard.

E. Gypsum Board Ceiling Type: Concealed pendant type with matching push on escutcheon plate.

1. Finish: Brass.
2. Escutcheon Plate Finish: Enamel, Verify color with architect.

F. Exposed Area Type: Standard upright type.

1. Finish: Brass.
2. Fusible Link: Quick Response Fusible solder link type temperature rated for specific area hazard.

G. Sidewall Type: Standard horizontal sidewall type with matching flush push on two piece escutcheon plate.

1. Finish: Chrome plated.
2. Escutcheon Plate Finish: Chrome plated.
3. Quick Response Fusible solder link type temperature rated for specific area hazard.

H. Guards: Finish to match sprinkler finish.

2.3 PIPING SPECIALTIES

A. Dry Pipe Sprinkler Alarm Valve: Check type valve with divided seat ring, rubber faced clapper to automatically actuate water motor alarm and electric alarm, with accelerator; with test and drain valve.

B. Water Motor Alarm: Hydraulically operated impeller type alarm with aluminum alloy chrome plated gong and motor housing, nylon bearings, and inlet strainer. By same manufacturer as Alarm Valve.

C. Electric Alarm: Electrically operated chrome plated gong with pressure alarm switch.

D. Water Flow Switch: Vane type switch for mounting horizontal or vertical, with two contacts; rated 10 amp at 125 volt AC and 2.5 amp at 24 volt DC. Notifier, Simplex, Potter, Grinnell.

E. Tamper Switch: Switch designed for installation on indicator valves with cased aluminum housing with red finish. Notifier, Simplex, Potter, Grinnell.

F. Fire Department Connections: Elkhart, Croker Standard, Potter Roemer.

1. Type: Free standing type with ductile iron pedestal chrome plated finish.
2. Outlets: Two way with thread size to suit fire department hardware; threaded dust cap and chain of matching material and finish.
3. Drain: 3/4 inch automatic drip, outside.
4. Label: "Sprinkler – Fire Department Connection".

PART 3 EXECUTION

3.1 INSTALLATION

A. Install in accordance with referenced NFPA design and installation standard and these specifications.

B. Sprinklers shall be in line with and centered between down lights unless shown otherwise.

C. Install equipment in accordance with manufacturer's instructions.

D. Each floor of multi story buildings shall be zoned.

E. All dry system piping shall be galvanized down stream of dry valve.

F. Install buried shut-off valves in valve box. Provide post indicator.

G. Provide approved double detector check assembly at sprinkler system water source connection.

H. Locate fire department connection within forty (40'-0") feet of nearest fire hydrant and with sufficient clearance from walls, obstructions, or adjacent siamese connectors to allow full swing of fire department wrench handle.

I. Locate outside alarm gong on building wall at piping entrance to building.

J. Place pipe runs to minimize obstruction to other work.

K. Place piping in concealed spaces above finished ceilings.

L. Center sprinklers in two directions in ceiling tile and provide piping offsets as required.

M. Apply masking tape or paper cover to ensure concealed sprinklers, cover plates, and sprinkler escutcheons do not receive field paint finish. Remove after painting. Replace painted sprinklers.

N. Where sprinklers are required under rectangular duct, the centerline of the sprinkler shall be minimum 6" under duct

O. Install air compressor on vibration isolators.

P. Flush entire piping system of foreign matter.

Q. Hydrostatically test entire system.

R. Require test be witnessed by Fire Marshall.

S. All drain piping shall discharge to the outside 6" maximum above grade unless noted otherwise.

T. Where sprinklers are required under oval or round duct, the centerline of the sprinkler shall be under the centerline of the duct.

3.2 INTERFACE WITH OTHER PRODUCTS

A. Ensure required tamper and flow devices are installed and connected as required to fire alarm system including but not limited to Floor control valves, alarm check valve, elevator shaft isolation valve, Post Indicator Valve (PIV) and backflow device valves.

3.3 SCHEDULES

A. System Hazard Areas:

1. Libraries except Stack Areas, Office & Public Areas, Residential Living Areas, and similar occupancies – Light Hazard Design; 0.10 GPM/sq. ft. over the most remote 1500 square foot.
2. Automobile Parking Areas, Building Service Areas, Electrical Equipment Rooms, General Storage Areas, Laundries, Mechanical Equipment Rooms, Restaurant Service Areas, and similar occupancies – Ordinary Hazard Group 1 Design; 0.15 GPM/sq.ft. over the most remote 1500 square foot.
3. Dry Cleaners, Library Stack Areas, Machine Shops, Repair Garages, and similar occupancies – Ordinary Hazard Group 2 Design;0.20 GPM/sq.ft. over the most remote 1500 square foot.

END OF SECTION

ALPHA BLDG SET

06-18-2026

TOTAL ENGINEERS
169 New Street, Macon, GA 31201
(478)741-4632 - T.E. project # 25-113
www.totalengineers.com
GA COA NO # PEF009195 EXP: 06/30/2026

CSC DESIGN, INC.
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GEORGIA REGISTERED No. PEO36864 PROFESSIONAL ENGINEER KRUNAL M PATEL

4/27/2026

PROJECT NUMBER: 25-038

REVISIONS
NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

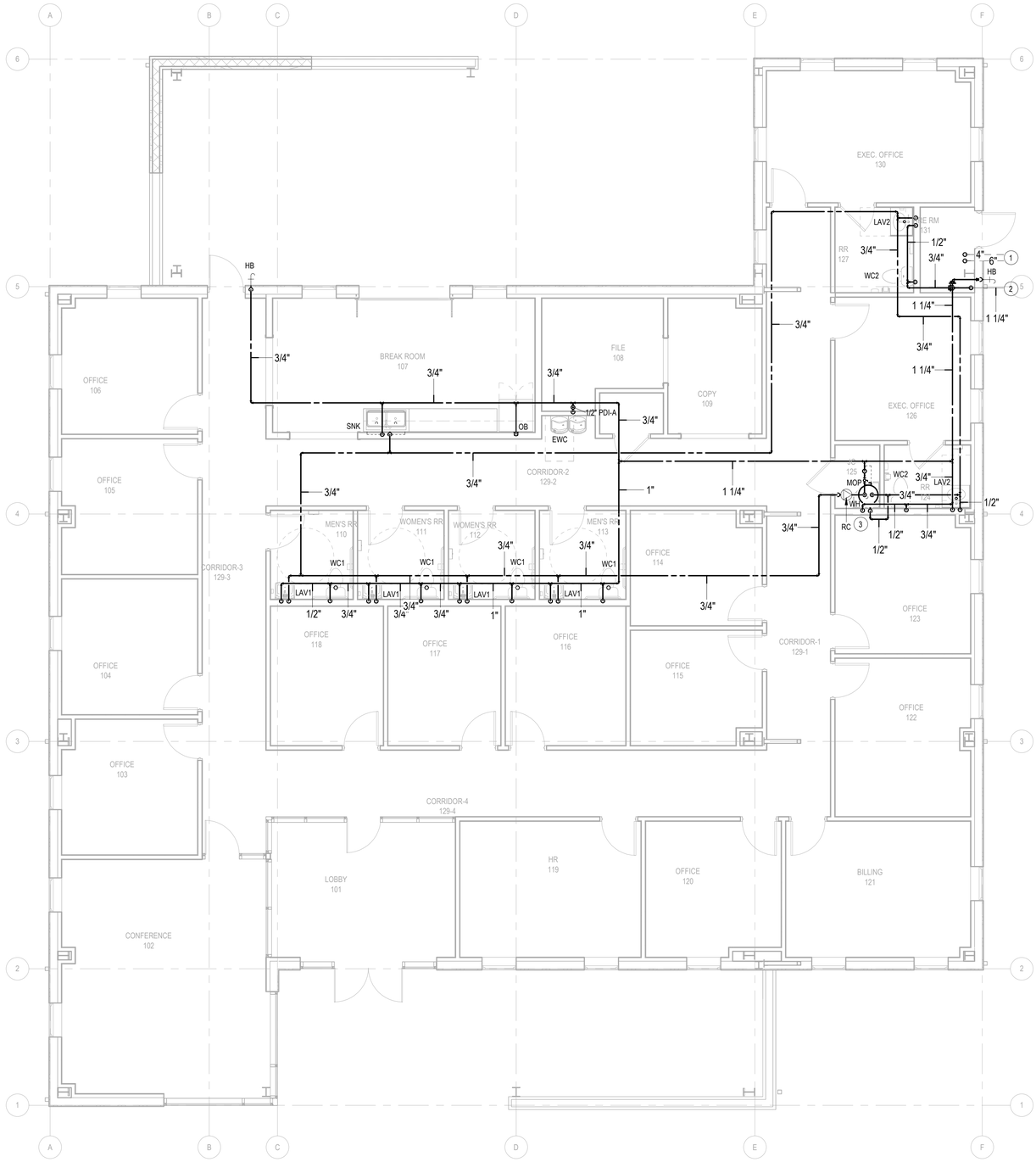
PIPER ROAD - NEWTON COUNTY, GEORGIA

FIRE SPECIFICATIONS

P-0.2

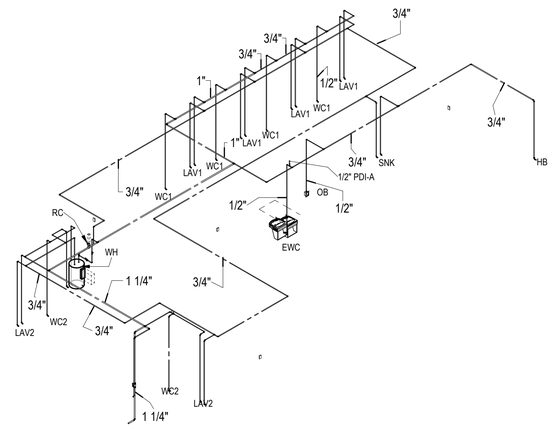
CONSTRUCTION DOCUMENTS

#	NEW WORK NOTES - P1.1
NOTE NUMBER	NOTE TEXT
#	
1	6" FIRE SPRINKLER FROM CITY SUPPLY & 4" FIRE TO REMOTE F.D.C REFER TO CIVIL FOR CONTINUATION.
2	1-1/4" DOMESTIC WATER SUPPLY. REFER TO CIVIL FOR CONTINUATION.
3	REFER TO WATER HEATER DETAIL PROVIDED.



1 P1.1 PLUMBING NEW WORK FLOOR PLAN - DOMESTIC WATER
3/16" = 1'-0"

0 4' 8' 12'



2 P1.1 WATER RISER

ALPHA BLDG SET 06-18-2026

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GEORGIA REGISTERED No. PE036864 PROFESSIONAL ENGINEER KRUNAL M PATEL
4/27/2026

PROJECT NUMBER: TE 25-113

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

PIPER ROAD - NEWTON COUNTY, GEORGIA

PLUMBING NEW WORK FLOOR PLAN-DOMESTIC WATER

P1.1

CONSTRUCTION DOCUMENTS

TOTAL ENGINEERS
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(478)741-4632 - T.E. project # 25-113
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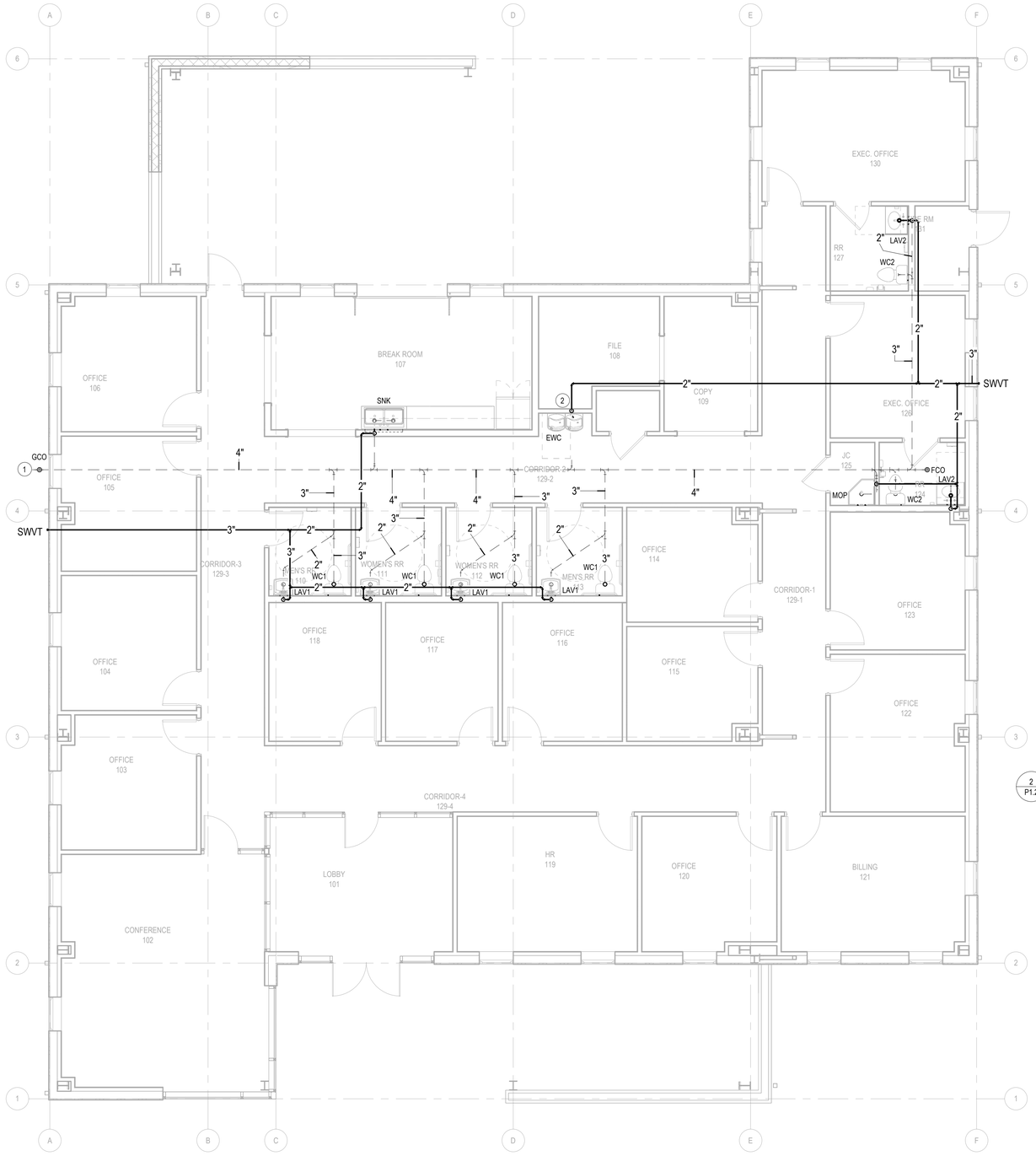
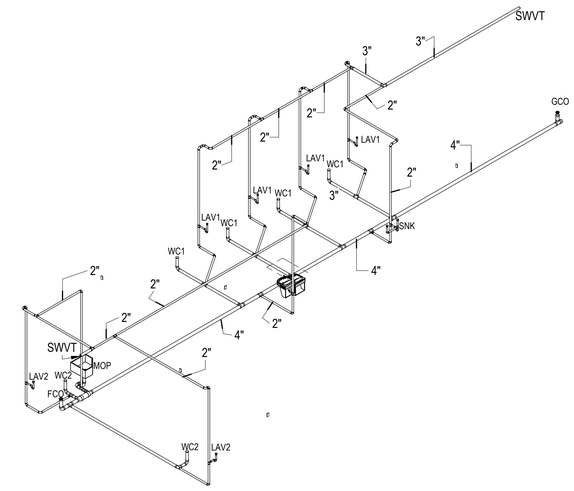
#	NEW WORK NOTES - P1.2
NOTE NUMBER	NOTE TEXT
#	
1	4" SEWER REFER TO CIVIL FOR FRUTHER INFORMATION.
2	PROVIDE A P-TRAP PER IPC FOR WATER COOLER



1 P1.2 PLUMBING NEW WORK FLOOR PLAN - WASTE & VENT
3/16" = 1'-0"

0 4' 8' 12'



2 P1.2 SEWER RISER

ALPHA BLDG SET 06-18-2026

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GEORGIA REGISTERED No. PEO36864 PROFESSIONAL ENGINEER KRUNAL M PATEL
4/27/2026

PROJECT NUMBER: TE 25-113

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
PIPER ROAD - NEWTON COUNTY, GEORGIA

PLUMBING NEW WORK FLOOR PLAN-WASTE & VENT

P1.2

CONSTRUCTION DOCUMENTS

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CSC-2024.01.007

LIGHTING FIXTURE SCHEDULE

A	2 FT. X 4 FT. ECONOMY RECESSED LOW PROFILE ARCHITECTURAL TROFFER WITH ACRYLIC CENTER LENS AND MATTE WHITE POWDER PAINT REFLECTOR; STANDARD 0-10 DIMMING. FIELD SELECTABLE LUMEN AND COLOR TEMP. PROVIDE 10 WATT BATTERY WHERE INDICATED ON THE PLANS. LAMPS: LED, 6000 LUMENS, 49 WATTS, 3500 DEGREE K DRIVER: UNV. VOLT	LITHONIA "STAK" SER., COLUMBIA "CCL" SER., METALUX "ACHIEVA" SER., H.E. WILLIAMS "FT" SER.
B	2 FT. X 2 FT. ECONOMY RECESSED LOW PROFILE ARCHITECTURAL TROFFER WITH ACRYLIC CENTER LENS AND MATTE WHITE POWDER PAINT REFLECTOR; STANDARD 0-10 DIMMING. FIELD SELECTABLE LUMEN AND COLOR TEMP. PROVIDE 10 WATT BATTERY WHERE INDICATED ON THE PLANS. LAMPS: LED, 5000 LUMENS, 41 WATTS, 3500 DEGREE K DRIVER: UNV. VOLT	LITHONIA "STAK" SER., COLUMBIA "CCL" SER., METALUX "ACHIEVA" SER., H.E. WILLIAMS "FT" SER.
C	COMMERCIAL GRADE DOWNLIGHT, RECESSED SELF FLANGED, 6 IN. ROUND APERTURE, SPECULAR REFLECTOR FINISH; ACCESS FROM BELOW OR ABOVE CEILING; STANDARD 0-10 DIMMING. PROVIDE 10 WATT BATTERY WHERE INDICATED ON THE PLANS. LAMPS: LED, 2000 LUMENS, 23 WATTS, 3500 DEGREE K DRIVER: UNV. VOLT	LITHONIA "LDN6" SER., HALO COMMERCIAL "HC6" SER., PRESCOLITE "LFR-6RD" SER., LIGHTOLIER "6N-C6L" SER.
D1	6 FT. DECORATIVE PENDANT, ALUMINUM CONSTRUCTION; STANDARD 0-10 DIMMING. COORDINATE FINISH WITH OWNER/ARCHITECT. LAMPS: LED, 6200 LUMENS, 53 WATTS, 3000 DEGREE K DRIVER: UNV. VOLT	MARSET "AMBROSIA PRO 180" SER., OR ARCHITECT APPROVED EQUAL
D2	3 FT. DECORATIVE PENDANT, ALUMINUM CONSTRUCTION; STANDARD 0-10 DIMMING. COORDINATE FINISH WITH OWNER/ARCHITECT. LAMPS: LED, 3100 LUMENS, 30 WATTS, 3000 DEGREE K DRIVER: UNV. VOLT	MARSET "AMBROSIA PRO 120" SER., OR ARCHITECT APPROVED EQUAL
E	6 IN. ROUND COMMERCIAL GRADE CYLINDER, PENDANT MOUNTED; STANDARD 0-10V DIMMING. COORDINATE COLOR AND STEM LENGTH WITH ARCHITECT. PROVIDE MOUNTING BRACKET OR CANOPY AS REQUIRED. LAMPS: LED, 2000 LUMENS, 23 WATTS, 3500 DEGREE K DRIVER: UNV. VOLT	LITHONIA "LDN6CYL" SER., HALO COMMERCIAL "HCC6" SER., RAYON "RFL-6" SER., LIGHTOLIER "C6 CYLINDER" SER.
F	ARCHITECTURAL PENDANT TO BE SELECTED BY OWNER. PROVIDE $1200 ALLOWANCE FOR LIGHTING FIXTURE ONLY. COST OF INSTALLATION MUST ALSO BE INCLUDED SEPARATELY FROM ALLOWANCE. COORDINATE SUSPENSION HEIGHT WITH OWNER/ARCHITECT. LAMPS: LED, 100 WATTS MAX DRIVER: UNV. VOLT	TBD
G	4 FT. LED WALL FIXTURE, DIE FORMED STEEL HOUSING, SURFACE MOUNTED HORIZONTAL, INJECTION MOLDED FROST LENS; 0-10 DIMMING STANDARD. PROVIDE 10-WATT EMERGENCY BATTERY PACK WHERE INDICATED ON THE DRAWINGS. LAMPS: LED, 4000 LUMENS, 40 WATTS, 3500 DEGREE K DRIVER: UNV. VOLT	LITHONIA "WL4" SER., METALUX "SWLED" SER., COLUMBIA "ESL" SER., H.E. WILLIAMS "SLF" SER.
H	2 FT. LONG, ROUND LINEAR VANITY FIXTURE, 4 IN. PROJECTION INCLUDING MOUNTING BRACKET; FROSTED ACRYLIC DIFFUSER PROVIDING SOFT EVEN ILLUMINATION; BRUSHED NICKEL (FINISH SLECTED BY ARCHITECT) FINISH END CAPS, SOLID BACK PLATE MOUNTING. LAMPS: LED, 2000 LUMENS, 21 WATTS, 3500 DEGREE K DRIVER: UNV. VOLT	BROWNLEE "ZOOM-RD" SER., LUMINII "EXPV" SER., INDESSA "342-ASPIRE" SER.
OA	COMMERCIAL GRADE DOWNLIGHT, RECESSED SELF FLANGED, 6 IN. ROUND APERTURE, SPECULAR REFLECTOR FINISH; ACCESS FROM BELOW OR ABOVE CEILING; WET LOCATION LISTED; STANDARD 0-10 DIMMING. LAMPS: LED, 2000 LUMENS, 23 WATTS, 4000 DEGREE K DRIVER: UNV. VOLT	LITHONIA "LDN6" SER., HALO COMMERCIAL "HC6" SER., PRESCOLITE "LFR-6RD" SER., LIGHTOLIER "6N-C6L" SER.
OB	ARCHITECTURAL WALL PACK WITH DIE-CAST ALUMINUM HOUSING; TYPE 4 DISTRIBUTION; WET LOCATION LISTED. COORDINATE FINISH WITH OWNER/ARCHITECT. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL. PROVIDE 10-WATT EMERGENCY BATTERY PACK WHERE INDICATED ON THE DRAWINGS. LAMPS: LED, 5300 LUMENS, 41 WATTS, 4000 DEGREE K DRIVER: UNV. VOLT	LITHONIA "WDGE2" SER., MCGRAW-EDISON "IST" SER., BEACON "TRP" SER., GARDCO "101L" SER.
OC	ARCHITECTURAL WET LOCATION SCONCE TO BE SELECTED BY OWNER. PROVIDE $750 ALLOWANCE FOR LIGHTING FIXTURE ONLY. COST OF INSTALLATION MUST ALSO BE INCLUDED SEPARATELY FROM ALLOWANCE. LAMPS: LED, 60 WATTS MAX DRIVER: UNV. VOLT	TBD
OD	3-BLADE 52 IN. FAN WITH NO LIGHT KIT; WET LOCATION LISTED. COORDINATE FINISH WITH OWNER/ARCHITECT. LAMPS: N/A DRIVER: UNV. VOLT	MODERN FORMS "ROBOTO 52" SER., OR APPROVED EQUAL BY HUNTER, MINKA AIRE
EX	LED THERMOPLASTIC EXIT, IMPACT/SCRATCH RESISTANT AND CORROSION PROOF; TOP, END, OR BACK MOUNTING STANDARD. UNIVERSAL FIELD SELECTABLE SINGLE OR DOUBLE FACE, FIELD SELECTABLE RED OR GREEN ILLUMINATION, WHITE / BLACK ENCLOSURE. (PROVIDE 90 MIN. BACK-UP BATTERY) LAMPS: LED, 3 WATTS DRIVER: UNV. VOLT	LITHONIA "LQM" SER., SURE-LITES "LPX" SER., COMPASS "CE" SER., OR EQUAL BY BEGHELLI
EM	LED 2 HEAD EMERGENCY UNIT, ROUND HEAD, LOW PROFILE CONTEMPORARY DESIGN WITH THERMOPLASTIC HOUSING, IMPACT RESISTANT, DAMP LOCATION LISTED. (PROVIDE 90 MIN. BACK-UP BATTERY) LAMPS: LED (2), 3 WATTS DRIVER: UNV. VOLT	LITHONIA "ELM2L" SER., COMPASS "CU2" SER., SURELITES "SEL17" SER., EVENLITE "TCL" SER.
EG	EXTERIOR ARCHITECURAL STYLED LOW PROFILE LED EMERGENCY LIGHTING UNIT, SELF DIAGNOSTICS STANDARD. WET LOCATION WITH FULLY GASKETED HOUSING AND -20C TO 50C OPERATION, PRISMATIC POLYCARB REFRACTOR. BRONZE / BLACK SELECTED BY ARCHITECT. (PROVIDE 90 MIN. BACK-UP BATTERY) LAMPS: LED, 3 WATTS DRIVER: UNV. VOLT	LITHONIA "AFO" SER., MULE "MAKO" SER., SPITZER "EWS" SER., COMPASS "CUW" SER., H.E. WILLIAMS "EMER" SER.

NOTES:
1. CONTRACTOR TO VERIFY ALL VOLTAGES, GRID AND CEILING TYPES WITH THE ARCHITECT AND COORDINATE FIXTURE DIMENSION SIZE TO ENSURE A PROPER FIT IN ALL CEILING TYPES PRIOR TO ORDERING.

2. ALL LUMENS LISTED ARE DELIVERED LUMENS. ALL EQUALS TO SPECIFIED FIXTURES SHALL NOT BE ANY LOWER THAN 5% OF SPECIFIED LUMENS. WATTAGE SHALL NOT BE HIGHER THAN 15% OF SPECIFIED WATTAGE.

3. LISTING OF MANUFACTURERS DOES NOT EQUAL AUTOMATIC APPROVAL. ALL CHARACTERISTICS NOTED IN DESCRIPTION SECTION MUST BE MET IN ORDER TO BE APPROVED. WHERE VENDOR/REP. DOES NOT HAVE ONE MANUFACTURER LISTED, PRIOR APPROVAL IS REQUIRED TO BE SUBMITTED TO ENGINEER TEN (10) DAYS PRIOR TO BID.

4. PROVIDE UNSWITCHED HOT TO EXIT SIGNS, EMERGENCY FLOOD LIGHTS AND EXTERIOR BUILDING EGRESS LIGHTING.

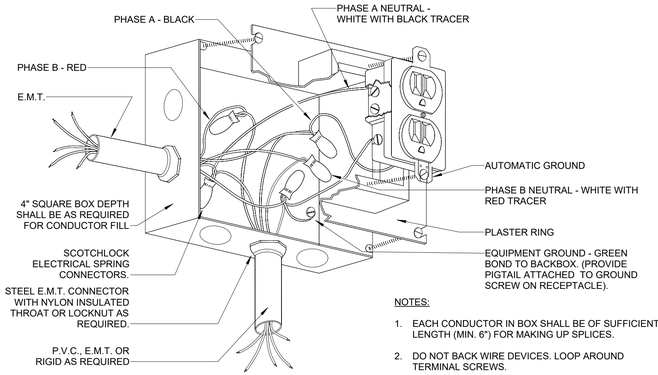
LEGEND

	LIGHTING AND POWER
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL CONTAINING 3 NUMBER 12 CONDUCTORS UNLESS SHOWN OTHERWISE. HASH MARKS, IF SHOWN, INDICATE QUANTITY OF NUMBER 12 CONDUCTORS. WHERE DRAWING SPACE PROHIBITS HASH MARKS BEING SHOWN REFER TO CIRCUIT NUMBERS AND PROVIDE REQUIRED NUMBER OF CONDUCTORS PER CIRCUIT TYPE.
	CONDUIT RUN CONCEALED IN OR BELOW FLOOR SLAB, OR UNDERGROUND.
A-2,4,6	HOMERUN TO PANELBOARD, LETTER OR LETTERS INDICATE PANELBOARDS, NUMBERS INDICATE CIRCUIT NUMBERS.
	EXPOSED CONDUIT RUN.
	L.E.D. LIGHTING FIXTURE. SEE FIXTURE SCHEDULE FOR DIMENSIONS AND MOUNTING TYPE.
	EMERGENCY L.E.D. LIGHTING FIXTURE. SEE FIXTURE SCHEDULE FOR DIMENSIONS, MOUNTING TYPE AND BATTERY PACK INFORMATION (IF APPLICABLE).
	L.E.D. TROFFER FIXTURE. SEE FIXTURE SCHEDULE FOR DIMENSIONS AND MOUNTING TYPE.
	EMERGENCY L.E.D. TROFFER. SEE FIXTURE SCHEDULE FOR DIMENSIONS, MOUNTING TYPE AND BATTERY PACK INFORMATION (IF APPLICABLE).
	L.E.D. LIGHTING FIXTURE, SURFACE WALL BRACKET MOUNTED. MOUNTING HEIGHT AS NOTED.
	L.E.D. LIGHTING FIXTURE, SURFACE WALL BRACKET MOUNTED. MOUNTING HEIGHT AS NOTED. SEE FIXTURE SCHEDULE FOR BATTERY PACK INFORMATION (IF APPLICABLE).
	EXIT LIGHT.
	EMERGENCY PACK FIXTURE.
	DUPLEX CONVENIENCE OUTLET, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED. 5" INDICATES THE CIRCUIT NUMBER.
	DUPLEX CONVENIENCE OUTLET MOUNTED ABOVE COUNTER, AT +46" TO CENTERLINE OF OUTLET.
	DUPLEX CONVENIENCE OUTLET, GFI TYPE. +18" TO CENTER LINE UNLESS OTHERWISE NOTED. "WP" WHERE SHOWN INDICATES WEATHER-RESISTENT DEVICE WITH METAL IN-USE WEATHERPROOF COVER.
	DUPLEX CONVENIENCE OUTLET, GFI TYPE. MOUNTED ABOVE COUNTER AT +46" TO CENTERLINE OF RECEPTACLE UNLESS NOTED OTHERWISE.
	QUADRUPLEX RECEPTACLE, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
	FLUSH FLOOR BOX WITH QUADRUPLEX RECEPTACLE AND DATA/VOICE OUTLET. PROVIDE WALKER 880 OMNIBOX SERIES TWO GANG CAST IRON OR PLASTIC FLOOR BOX WITH BRASS FLANGE AND COVERPLATE.
	SINGLE POLE TOGGLE SWITCH, +46" TO CENTER LINE MOUNTING HEIGHT.
	THREE OR FOUR WAY SWITCH AS INDICATED. +46" TO CENTER LINE MOUNTING HEIGHT.
	LED DECORA STYLE DIMMER WITH ROCKER ON/OFF SWITCH AND SLIDE DIMMER ON SIDE OF ROCKER. 0-10VDC CAPABLE DIMMER +46" MOUNTING HEIGHT. LUTRON "DIVA 0-10V" OR EQUAL BY LEVITON, WATTSTOPPER, HUBBELL, OR COOPER. (NO ADDITIONAL POWER PACK REQUIRED). DIVISION 26 SHALL PROVIDE ALL ADDITONAL CONDUCTORS TO ALL FIXTURES CONNECTED FOR A PROPER 0-10VDC OPERATION. GRAY FINISH.
	PANELBOARD, SEE SCHEDULE.
	DISCONNECT SWITCH, SIZE AS NOTED ON DRAWINGS. FUSED PER MANUFACTURER'S NAME PLATE DATA OF EQUIPMENT SERVED.
	SINGLE OR DOUBLE POLE, MINIMUM 20 AMP MOTOR RATED ENCLOSED SWITCH WITH "LOCK-OUT" OPTION. MOUNTED NEAR EQUIPMENT BEING SERVED.
M	MOTOR.
	OCCUPANCY SENSORS
	SWITCH, WALL MOUNTED OCCUPANCY SENSOR (WATTSTOPPER PW-100 OR EQUAL). +46" TO CENTER LINE MOUNTING HEIGHT.
	DUAL TECHNOLOGY 360° OCCUPANCY SENSOR. CEILING MOUNTED. INFRARED/ULTRASONIC (WATTSTOPPER "DT" SERIES OR EQUAL). PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.)
	TELEPHONE / DATA SYSTEMS
TB	PLYWOOD BACKBOARD "T.B." INDICATES TELECOMMUNICATIONS BOARD.
	COMBINATION VOICE/DATA OUTLET, +18" TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. STUB UP 1"C. TO CEILING SPACE ABOVE.
	DATA OUTLET., +18" TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. STUB UP 1"C. TO CEILING SPACE ABOVE.
AP	DATA OUTLET. (WIRELESS ACCESS POINT), +6" ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE. WHERE THERE IS NO CEILING OR HIGH CEILING, WALL MOUNT AT +11' A.F.F.
	INTRUSION ALARM SYSTEM (RACEWAY, BOXES, AND PULL STRING ONLY)
I	INTRUSION ALARM DETECTOR, INFRARED. CEILING MOUNTED UNIT. 50'-0" COVERAGE UNLESS OTHERWISE NOTED.
	C.C.T.V. SYSTEM (RACEWAY, BOXES, AND PULL STRING ONLY)
C	CCTV SYSTEM CAMERA, WALL OR CEILING MOUNTED. NUMBER DESIGNATES CAMERA NUMBER, "WP" INDICATES WEATHERPROOF.
	ACCESS CONTROLS SYSTEM (RACEWAY, BOXES, AND PULL STRING ONLY)
AC	ACCESS CONTROL KEYPAD LOCATION.
DC	DOOR CONTACT POSITION SENSOR LOCATION. PROVIDE SINGLE GANG BOX BY DIVISION 16 AT DOOR FRAME ON SECURE SIDE OF DOOR. COORDINATE EXACT LOCATION WITH ACCESS CONTROL SYSTEM VENDOR. PROVIDE 3/4"C., WITH PULLSTRING FROM BOX TO STUB-OUT 6" ACCESSIBLE CEILING AT DOOR.
	FIRE ALARM (120V STAND ALONE)
FD	FIRE ALARM DUCT SMOKE DETECTOR LOCATED IN HVAC SUPPLY AIR DUCT. PROVIDE IN UNITS 2000 CFM AND GREATER. STAND ALONE 120V UNIT. UNIT SHALL COME COMPLETE WITH SAMPLING TUBE AND REMOTE TEST/RESET STATION LOCATED IN ELECTRICAL CLOSET IN AN ACCESSIBLE LOCATION. DETECTOR SHALL SHUT DOWN UNIT UPON ACTIVATION.

ALPHA BLDG SET 06-18-2026

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT OR OUTLETS.
2. MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
3. THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
4. 112 SYMBOL INDICATING ROOM OR SPACE NUMBER.
5. IN AREAS WHERE COMPUTER OUTLETS AND TELEPHONE OUTLETS ARE LOCATED BENEATH A WINDOW, AND WINDOW PREVENTS THE ROUTING OF CONDUIT UP TO CEILING SPACE, CONDUIT SHALL BE ROUTED TO A WALL WHICH ALLOWS CONDUIT TO RISE UP TO CEILING SPACE.
6. ALL CONDUIT ROUTED FROM DISCONNECT TO EXTERIOR HVAC UNITS SHALL BE ROUTED UNDERGROUND. TURN UP ADJACENT TO UNIT AND MAKE TRANSITION TO SEALTITE TO SERVE UNIT. CONDUIT SHALL BE. ROUTED CONCEALED IN WALL.
7. ALL FLUSH RECESSED OUTLET BOXES SHALL BE INSTALLED SUCH THAT FRONT EDGE OF BOX WILL NOT BE SET BACK OF THE FINISHED SURFACE MORE THAN 1/4" IN ORDER TO COMPLY WITH N.E.C. 314-20. SUPPORT OF OUTLET BOX BY RECEPTACLE AND COVERPLATE IS NOT ACCEPTABLE.
8. ALL CONDUIT, OUTLET BOXES, AND LOW VOLTAGE CABLING SHALL BE APPROPRIATELY SUPPORTED THROUGHOUT THE PROJECT. SUPPORT OF THESE ITEMS BY CEILING GRID OR GRID SUPPORT WIRES IS NOT ACCEPTABLE.
9. ALL RECEPTACLES LOCATED WITHIN 6'-0"TO THE EDGE SINK OR OTHER WATER SOURCE SHALL BE GFCI TYPE DEVICE IN ACCORDANCE WITH N.E.C 210-8.A.7. COORDINATE LOCATIONS WITH ARCHITECTURAL AND PLUMBING DRAWINGS PRIOR TO ROUGH-IN.
10. COORDINATE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH DIVISION 23 PRIOR TO ROUGH IN. ADJUST LOCATION OF DISCONNECTING MEANS AND BRANCH CIRCUITRY AS REQUIRED.



NOTES:
1. EACH CONDUCTOR IN BOX SHALL BE OF SUFFICIENT LENGTH (MIN. 6") FOR MAKING UP SPLICES.
2. DO NOT BACK WIRE DEVICES. LOOP AROUND TERMINAL SCREWS.
3. FACE OF PLASTER RING SHALL BE FLUSH WITH WALL.

1 / E-101 DETAIL - RECEPTACLE CONNECTION
NO SCALE

PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER JEFFREY H. McGEE
04/24/26

PROJECT NUMBER: 25-038

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

LEGEND, NOTES, & SCHEDULES

E-101

FOR CONSTRUCTION

EDC ELECTRICAL DESIGN CONSULTANTS
ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M26024
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ELECTRICAL SPECIFICATIONS

DIVISION 26

ELECTRICAL

SECTION A: GENERAL ELECTRICAL REQUIREMENTS

1. THESE PLANS AND SPECIFICATIONS APPLY TO PEACH STATE CONSTRUCTION COMPANY, COVINGTON, GEORGIA. THE WORK DESCRIBED BY THESE PLANS AND SPECIFICATIONS APPLY TO THE INDICATED PROJECT AND MAY NOT BE MODIFIED OR REUSED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

2. ALL WORK SHALL BE PERFORMED BY LICENSED ELECTRICAL CONTRACTOR WITH MINIMUM OF TWO YEARS OF EXPERIENCE. LIST OF PREVIOUS JOBS AND REFERENCES SHALL BE MADE AVAILABLE UPON REQUEST. CONTRACTOR SHALL PROVIDE ADEQUATE INSURANCE FOR PERSONNEL AND SHALL REPAIR ANY DAMAGE OCCURRING AS THE RESULT OF THIS PROJECT SITE AND RELATED PROPERTY.

3. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER IN ACCORDANCE WITH THE 2023 NATIONAL ELECTRICAL CODE, LIFE SAFETY CODE NFPA 101, ADA CODE, GA ACCESSIBILITY CODE, STATE OF GEORGIA ENERGY CODE AND ALL OTHER APPLICABLE CODES AND ORDINANCES.

4. ALL PERMITS AND FEES SHALL BE OBATINED AND PAID FOR BY THE CONTRACTOR.

5. ALL EQUIPMENT, MATERIAL, AND DEVICES SHALL BE LISTED OR RECOGNIZED BY UNDERWRITER'S LABORATORY OR ELECTRICAL TESTING LABORATORY AND USED AND INSTALLED IN ACCORDANCE WITH IT'S LISTING.

6. ALL WORK PERFORMED SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM THE THE FINAL COMPLETION DATE EXCEPT FOR FUSES AND LAMPS IN LIGHT FIXTURES. UPON NOTIFICATION OF A PROBLEM, THE CONTRACTOR SHALL INVESTIGATE THE PROBLEM WITHIN 48 HOURS UNLESS A DIFFERENT TIME PERIOD IS AGREED TO. THE CONTRACTOR SHALL INVESTIGATE, REPAIR OR REPLACE ALL FAULTY EQUIPMENT WITHIN A REASONABLE TIME PERIOD WITHOUT CHARGE TO THE OWNER.

7. THE TERM "PROVIDE" SHALL BE UNDERSTOOD TO MEAN, OBTAIN THE ITEM DESCRIBED, INSTALL ITEM IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, AND MANUFACTURER'S RECOMMENDATIONS.

8. ALL PENETRATIONS MADE IN FIRE RATED BUILDING PORTIONS SHALL BE SEALED WITH A LISTED RESISTANT MATERIAL SUITABLE FOR THE APPLICATION.

9. ALL INSTALLATIONS OF ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.

10. PLANS ARE DIAGRAMMATIC AND SHOW THE LOCATION OF THE EQUIPMENT, RACEWAY AND FIXTURES, AND ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED AT THE BUILDING SITE.

11. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EQUIPMENT AND DEVICE LOCATIONS WITH OWNER'S PROJECT MANAGER PRIOR TO INSTALLATION.

12. EQUIPMENT BREAKER AND WIRING REQUIREMENTS: THE CONTRACTOR SHALL SUBMIT FOR REVIEW A TABULATED SHEET OF BREAKER AND WIRING REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT REQUIRING POWER AS SPECIFIED IN DIVISION 23. REQUIREMENTS SHALL BE IDENTIFIED BY HORSEPOWER OR KW, OPERATING AMPERAGE, REQUIRED VOLTAGE AND PHASE REQUIREMENTS, AND MANUFACTURERS SUGGESTED OVERCURRENT CIRCUIT PROTECTION DEVICE SIZE AND MINIMUM CIRCUIT AMPACITY SIZE. WHERE THE ELECTRICAL REQUIREMENTS SUBMITTED FOR MECHANICAL EQUIPMENT DIFFERS FROM THE BRANCH CIRCUITRY SHOWN ON THE ELECTRICAL DRAWINGS (WHEN USING THE BASIS OF DESIGN UNIT LISTED IN THE MECHANICAL SCHEDULES/SPECIFICATIONS OR A SIMILAR UNIT OF THE SAME SIZE FROM LISTED ALTERNATE MANUFACTURERS), THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS TO THE BRANCH CIRCUITRY PER THE CURRENT NEC AT NO ADDITIONAL COST TO THE OWNER. WHEN CHANGES ARE MADE TO POWER REQUIREMENTS FOR EQUIPMENT DUE TO OWNER. ARCHITECT/ENGINEER APPROVED VALUE ENGINEERING CHANGES TO EQUIPMENT, THE COST MUST NE INCLUDED IN THE VALUE ENGINEERING OVERALL CHANGE ORDER COST. COSTS DUE TO ADJUSTMENTS IN BRANCH CIRCUITRY TO EQUIPMENT DUE TO VALUE ENGINEERING CHANGES WILL NOT BE ALLOWED AFTER THE OVERALL VALUE ENGINEERING CHANGE ORDER HAS BEEN APPROVED. IN ALL CASES, BREAKER AND WIRING REQUIREMENTS FOR MECHANICAL EQUIPMENT MUST BE PROVIDED TO THE ENGINEER BEFORE OR AT THE SAME TIME AS THE SHOP DRAWINGS FOR THE ELECTRICAL DISTRIBUTION GEAR OR EQUIPMENT. IN NO CASE SHALL THE ELECTRICAL DISTRIBUTION GEAR OR EQUIPMENT BE ORDERED OR BRANCH CIRCUITRY ROUGHED IN PRIOR TO ENGINEER REVIEW AND COMMENT ON THIS DOCUMENT. ANY EQUIPMENT ORDERED OR BRANCH CIRCUITRY ROUGHED IN ON THE JOBSITE WITHOUT THIS REVIEW AND COMMENT WILL BE TOTALLY AT THE CONTRACTORS RISK.

SECTION B: BASIC MATERIALS

1. ALL CONDUCTORS USED FOR 600 VOLTS OR LESS SHALL BE HIGH GRADE COPPER CONDUCTORS WITH 75 DEGREE C, THHN OR THWN THERMOPLASTIC INSULATION. ALL CONDUCTORS SHALL BE MADE IN THE USA. ALL CONDUCTORS ROUTED IN UNDERGROUND CONDUIT SHALL BE RATED FOR WET LOCATIONS.

2. ALL INTERIOR 120/208 VOLT, 20 AMP POWER AND LIGHTING WIRING SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING OR "MC" CABLE (IF NOT EXPOSED) FOR ALL INTERIOR CIRCUITS UNLESS OTHERWISE NOTED. IF "MC" CABLE IS USED, HOMERUNS SHALL BE IN 3/4 IN. EMT. POWER CIRCUITS FOR HVAC EQUIPMENT SHALL BE IN 3/4" ELECTRICAL METALIC CONDUIT MINIMUM. ALL CONDUIT SHALL BE SUPPORTED FROM BUILDING STRUCTURE. IT SHALL NOT BE SUPPORTED FROM DUCTWORK, PIPING, CEILING GRID OR CEILING GRID SUPPORTS, OR ANY OTHER NON-STRUCTURAL ITEM. CONDUIT SHALL BE SUPPORTED IN ACCORDANCE WITH THE NEC. CONDUIT IN EXPOSED STRUCTURE AREAS SHALL BE EMT. GALVANIZED RIGID STEEL CONDUIT SHALL BE USED IN AREAS WHERE IT WILL BE EXPOSED TO PHYSICAL DAMAGE.

3. CONDUIT UNDERGROUND SHALL BE SCHEDULE 40 PVC. IF MORE THAN ONE CONDUIT IS PROVIDED IN A SINGLE TRENCH, THE CONDUIT SHALL BE RACKED WITH SPACERS EVERY FOUR FEET TO MAINTAIN A MINIMUM SPACING BETWEEN CONDUIT OF TWO INCHES. BACKFILL USED FOR UNDERGROUND INSTALLATIONS SHALL BE FREE OF FOREIGN MATTER. WHERE EXPOSED TO WEATHER, CONDUIT SHALL BE GALVANIZED RIGID STEEL OR INTERMEDIATE METALLIC CONDUIT. THE CONDUIT SHALL BE TERMINATED WITH LISTED FITTINGS AND ALL CONDUIT ENDS SHALL BE REAMED AND SMOOTH. ALL CONDUIT ENDS IN BOXES SHALL BE PROVIDED WITH INSULATED BUSHINGS.

4. A #12 INSULATED COPPER GROUND CONDUCTOR SHALL BE INCLUDED IN ALL BRANCH CIRCUITS RATED 20 AMPERES. ALL OTHER CIRCUITS AND FEEDERS WILL BE PROVIDED WITH AN INSULATED COPPER CONDUCTOR SIZED AS NOTED OR IN ACCORDANCE WITH THE NEC, WHICHEVER IS GREATER.

5. THE MINIMUM SIZE OF ALL CONDUCTORS NOT OTHERWISE INDICATED IS #12 AND THE MINIMUM SIZE OF ALL CONDUIT UNLESS OTHERWISE INDICATED IS 1/2 IN.

6. ALL JUNCTION BOXES SHALL BE PROVIDED WITH COVERS AND ALL UNUSED OPENINGS SHALL BE PLUGGED. ALL JUNCTION BOXES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE. COVERS OF BOXES SHALL BE LABELED WITH THE CIRCUIT NUMBER WITH A BLACK PERMANENT MARKER IN 3/4 IN. HIGH LETTERS (LEGIBLE HANDWRITTEN LETTERING IS ACCEPTABLE).

7. ALL OUTLET BOXES SHALL BE SQUARE METAL BOXES. PROVIDE PLASTER RINGS FOR ALL OUTLET BOXES CONTAINING DEVICES TO PROVIDE A FIRM MOUNTING SUPPORT FOR THE DEVICE.

8. ALL CONVENIENCE RECEPTACLES SHALL BE SPECIFICATION GRADE 20 AMP RECEPTACLES, OWNER TO SELECT COLOR. TAMPER RESISTANT (TR) TYPE.

9. ALL LIGHT SWITCHES SHALL BE SPECIFICATION GRADE 20 AMP TOGGLE SWITCHES FULL LOAD RATED FOR TUNGSTEN-HALOGEN LAMPS, OWNER TO SELECT COLOR.

10. PROVIDE FACEPLATES FOR ALL RECEPTACLES AND SWITCHES. COORDINATE STYLE AND COLOR WITH OWNER'S PROJECT MANAGER.

11. PROVIDE BETWEEN 12 AND 24 INCHES OF LIQUID TIGHT FLEXIBLE CONDUIT BETWEEN RIGID CONDUIT AND ANY EQUIPMENT CONTAINING MOTORS. THE FLEXIBLE CONDUIT SHALL BE SUPPORTED TO PREVENT THE CONDUIT FROM RESTING ON THE GROUND OR CONCRETE PAD.

12. PROVIDE WEATHERPROOF RECEPTACLE WITHIN 25 FEET OF EACH PIECE OF EXTERIOR EQUIPMENT. THIS RECEPTACLE SHALL BE MOUNTED HORIZONTALLY WITH METAL HINGED "IN USE" COVER MOUNTED TO OPEN UP. THIS OUTLET SHALL BE A GFCI RECEPTACLE. THIS RECEPTACLE SHALL BE BE MOUNTED IN DIE CAST NON CORRODING METAL BOX.

13. WHEN OUTLETS OR BOXES ARE INDICATED INSTALLED ON OPPOSITE SIDES OF THE SAME WALL. THE CONTRACTOR SHALL ADJUST THE LOCATION TO OFFSET THE OUTLETS WITH A WALL STUD PROVIDING SEPERATION.

SECTION C: DISTRIBUTION EQUIPMENT

1. CONTRACTOR SHALL PROVIDE CONDUCTORS AND CONDUIT FOR ALL FEEDERS IN ACCORDANCE WITH THE PLANS.

2. SEPERATELY MOUNTED CIRCUIT BREAKERS SHALL BE MOUNTED IN NEMA TYPE I ENCLOSURES IN INDOOR APPLICATIONS AND IN NEMA 3R ENCLOSURES IN EXTERIOR OR WET LOCATIONS. ALL CIRCUIT BREAKER ENCLOSURES SHALL BE PROVIDED WITH HINGED COVERS AND PROVISIONS FOR PADLOCKING THE COVERS.

3. ALL EQUIPMENT CONTAINING MOTORS SHALL BE PROVIDED WITH A DISCONNECTING MEANS WITHIN TEN FEET OF THE UNIT UNLESS OTHERWISE NOTED. THIS DISCONNECTING MEANS SHALL AS A MINIMUM BE A NON-FUSED SWITCH OR TOGGLE STARTER SIZED TO MATCH THE EQUIPMENT. PROVIDE OTHER DEVICES AS NOTED ON THE PLANS. PROVIDE NEMA TYPE I ENCLOSURES INDOORS AND NEMA 3R OUTDOORS.

4. PROVIDE GFCI CIRCUIT BREAKERS AND RECEPTACLES AS INDICATED ON THE PLANS AND IN THESE SPECIFICATIONS. THESE DEVICES SHALL BE CLASS A GFCI DEVICES.

5. PROVIDE PANELS AS SCHEDULED ON PLANS. CIRCUIT BREAKERS SHALL BE THERMAL-MAGNETIC BREAKERS WITH A MINIMUM INTERRUPTING RATING OF 10,000 AIC FOR 120/208V AND 14,000 AIC FOR 277/480V OR AS INDICATED ON THE PLANS. BREAKERS SHALL HAVE 65/75 DEGREE C RATED TERMINATIONS. PANEL NOTED SHALL BE SERVICE ENTRANCE RATED. MOUNT PANELS WITH TOP OF PANEL 6 FT. ABOVE FLOOR, PROVIDE 3/4 IN., GREY PAINTED PLYWOOD BACKBOARD FOR ALL PANELS SECURED TO WALL WITH 1/4 IN. TOGGLE BOLTS. PANEL MANUFACTURERS: SQUARE D, GE, SEIMENS, AND CULTER HAMMER. ALL CURRENT CARRYING PARTS SHALL BE COPPER.

6. SYSTEM COORDINATION: THE MANUFACTURER OF THE PANELBOARDS SHALL PROVIDE SERIES RATED EQUIPMENT BASED ON U.L. LISTED TEST RESULTS. THE CONTRACTOR SHALL VERIFY THE AVAILABLE SHORT CIRCUIT CURRENT AT THE SERVING TRANSFORMER.

7. PROVIDE EACH PANELBOARD WITH A TYPEWRITTEN CIRCUIT BREAKER DIRECTORY CARD INSIDE A PLASTIC COVERING (EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE. THE INDETIFICATION SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS). THE DIRECTORY AND COVERING SHALL BE LOCATED INSIDE A STEEL FRAME PROVIDED INSIDE THE DOOR OF EACH PANELBOARD. THE DIRECTORY SHALL BE TYPED TO IDENTIFY THE LOAD FED BY EACH CIRCUIT BREAKER AND THE AREAS SERVED.

8. PROVIDE NAMEPLATES FOR ALL PANELBOARDS, DISCONNECT SWITCHES, ENCLOSED CIRCUIT BRAKERS, COMBINATION STARTERS, CONTACTORS, AND ALL OTHER ELECTRICAL DISTRIBUTION EQUIPMENT PANELS. MOUNT NAMEPLATES ON EXTERIOR OF THE DOOR OF ALL SURFACE MOUNTED PANELS AND EQUIPMENT. NAME PLATES SHALL BE LAMINATED PLASTIC PLATES WITH 3/16 IN. HIGH WHITE LETTERS ETCHED ON BLACK BACKGROUND. NAME PLATES SHALL BE INSTALLED PARALLEL TO EQUIPMENT LINES. THE NAME OR USEAGE OF EACH DEVICE OR BRANCH CIRCUIT SHALL BE ETCHED IN THE NAMEPLATE. CONTRACTOR TO COORDINATE EXACT EQUIPMENT IDENTIFICATION WITH THE OWNER. SECURE NAMEPLATES VIA EPOXY GLUE.

SECTION D: LIGHTING

1. TYPES AND SPECIFIC REQUIREMENTS ARE PROVIDED ON THE LIGHTING FIXTURE SCHEDULE ON THE PLANS. ALL LIGHT FIXTURES SHALL BE PROVIDED WITH LAMPS, DRIVERS, BALLASTS, AND FULLY FUNCTIONING AT COMPLETION OF PROJECT.

2. ALL LIGHTINGFIXTURES SHALL BE U.L. LISTED AND HAVE A MINIMUM OF 5 YEAR ON-SITE REPLACEMENT WARRANTY FOR DEFECTIVE OR NON-STARTING SOURCE ASSEMBLIES, DRIVERS, AND FOR LUMINAIRES EXHIBITING INADEQUATE LUMEN OUTPUT. IT SHALL COVER MATERIAL, FIXTURE FINISH, WORKMANSHIP, AND SHIPPING. ON-SITE REPLACEMENT SHALL INCLUDE TRANSPORTATION, REMOVAL, AND INSTALLATION OF NEW FIXTURE.

3. RATED LUMINAIRE WATTAGE SHALL BE ACTUAL, ACCOUNTING FOR ANY REDUCTION IN EFFICIENCY DUE TO SUB-OPTIMAL LOADING OF DRIVERS.

4. BALLAST SHALL BE CAPABLE OF ACCEPTING THE VOLTAGE INDICATED ON THE LIGHTING FIXTURE SCHEDULE AND CAPABLE OF DIMMING IF REQUIRED. DRIVERS SHALL HAVE A CLASS A RATING, TOTAL HARMONIC DISTORTION OF LESS THAN 20%, AND SHALL NOT CONTAIN ANY POLYCHLORINATED BIPHENYL (PCB).

5. ALL LIGHTING FIXTURES SHALL BE TESTED TO IES LM-79 AND IES LM-80 STANDARDS. OUTDOOR FIXTURES SHALL BE IP65 RATED. FIXTURS, BALLAST AND ALL COMPONENTS SHALL HAVE A SYSTEM LIFETIME OF 50,000 HOURS OR MORE AT 25 DEGREES CELSIUS AND SHALL MAINTAIN A MINIMUM OF 85% OF INITIAL LUMEN OUTPUT AFTER 55,000 HOURS OF OPERATION. LED'S SHALL HAVE COLOR RENDERING INDEX (CRI) OF 80 OR GREATER.

6. ALL SURFACE MOUNTED FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE. ALL CEILING MOUNTED FIXTURES SHALL BE SUPPORTED FROM STRUCTURE AND BRACED TO PREVENT MOVEMENT IF IMPACTED.

7. ALL RECESSED FIXTURES IN LAY IN TYPE CEILINGS SHALL BE PROVIDED WITH GRID CLIPS TO FASTEN FIRMLY TO CEILING SUPPORT GRID. THE CEILING GRID SHALL BE SUPPORTED AT EACH CORNER OF A FIXTURE.

8. CONNECTION TO ALL FIXTURES IN LAYIN CEILING SHALL BE BY FLEXIBLE CONDUIT OF FOUR TO SIX FEET IN LENGTH. A GROUND CONDUCTOR WILL BE INCLUDED WITH THIS CONNECTION.

9. ALL LENSES ON FIXTURES SHALL BE 0.125 INCH THICK MINIMUM. ALL HOUSINGS SHALL BE 22 GAUGE STEEL MIN. AND HAVE A POST FABRICATION HIGH REFLECTIVE WHITE FINISH.

DIVISION 27

TELE / DATA NETWORK

SECTION E: CONDUIT AND OUTLET SYSTEM FOR TELE / DATA NETWORK

1. PROVIDE A COMPLETE SYSTEM OF CONDUITS AND OUTLET BOXES FOR SYSTEMS AS REQUIRED. EACH OUTLET SHALL HAVE A CONDUIT ROUTED FROM THE FLUSHED RECESSED OUTLET BOX UP TO THE ACCESSIBLE CEILING SPACE ABOVE. TURN CONDUIT OUT ABOVE CEILING WITH A 90° HORIZONTAL ELBOW AND TERMINATE WITH AN INSULATED BUSHING. WHERE CEILING FINISH IS EXPOSED STRUCTURE (I.E. NO ACOUSTICAL TILE CEILING), EXTEND CONDUIT TO AN AREA WITH AN ACCESSIBLE CEILING. WHERE THERE ARE NO ACCESSIBLE CEILINGS, EXTEND CONDUIT TO BACKBOARD OR DATA RACK/CABINET AND TERMINATE WITH AN INSULATED BUSHING.

2. ALL CONDUIT SHALL BE CONCEALED UNLESS OTHERWISE NOTED. CONDUIT SHALL BE MINIMUM 1", WITH EXPOSED CONDUIT MINIMUM 3/4" TRADE SIZE. PROVIDE NYLON PULL STRING IN ALL CONDUIT. ALL CONDUIT FOR HORIZONTAL TELE / DATA CABLES AND FOR INTERIOR BACKBONE CABLING BETWEEN MDF AND IDF, SHALL BE ROUTED ABOVE GROUND AND SHALL BE EMT WITH COMPRESSION FITTINGS WHERE CONCEALED OR NOT SUBJECT TO DAMAGE, WHERE EXPOSED AND SUBJECT TO DAMAGE CONDUIT IS TO BE RIGID STEEL WITH THREADED FITTINGS.

3. PROVIDE SERVICE ENTRANCE CONDUIT BELOW GRADE AT LOCATION AND ROUTING SHOWN OR NOTED. CONDUIT IS TO BE A MINIMUM OF TWO CONDUITS, EACH (3", ONE WITH THREE 1" INNERDUCTS) (4", ONE WITH THREE 1-1/4" INNERDUCTS) PROVIDE PULL STRING IN EACH DUCT / INNERDUCT AND PROVIDE TRACER WIRE IN EACH CONDUIT.

4. ALL CONDUIT FOR FIBER OPTIC CABLE SHALL UTILIZE LONG RADIUS ELBOWS, INSIDE RADIUS OF BEND OF NOT LESS THAN 18" FROM CENTER OF CURVATURE.

5. LOCATION OF OUTLETS SHALL BE AS SHOWN ON THE DRAWINGS AND HEIGHTS AS DEFINED ON LEGEND OR ELSEWHERE IN SPECIFICATIONS OR ON DRAWINGS.

6. ALL RECESSED WALL OUTLETS AND BOXES IN NEW CONSTRUCTION SHALL BE TWO GANG TYPE, 4" X 4" X 2 1/8" DEEP, WITH SINGLE GANG PLASTER RINGS. PLASTER RINGS SHALL BE FLUSH WITH FINISH OF WALL. COORDINATE DEPTH OF PLASTER RING REQUIRED WITH TYPE OF WALL CONSTRUCTION. FOR SURFACE MOUNT BOXES PROVIDE 4" X 4" X 2 1/8" BOX WITH 2 GANG FACEPLATE WITH CENTERED SINGLE GANG KNOCKOUTS / PORT CUTOUTS. SEE SPECIFICATION F TELE / DATA NETWORK FOR FACEPLATE INFORMATION.

7. COLOR AND MATERIAL OF FACEPLATES IS TO MATCH CONVENIENCE OUTLETS AND LIGHT SWITCHES, COORDINATE COLOR WITH ARCHITECT.

8. BOXES FOR RECESSED INSTALLATION SHALL BE STANDARD SHEET METAL TYPE, FOR EXPOSED BOX LOCATIONS PROVIDE CAST TYPE BOX WITH THREADED HUBS.

9. PROVIDE JUMBO BLANK WALL PLATES FOR ALL OUTLETS NOT CABLED, FINISH TO MATCH ALL OTHER OUTLETS.

SECTION F: TELE / DATA NETWORK

1. GENERAL: THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE TELE / DATA NETWORK AS FOLLOWS AND AS SHOWN ON PLANS. TELE / DATA NETWORK IS TO INCLUDE BUT NOT BE LIMITED TO THE INSTALLATION OF A PLYWOOD BACKBOARD, WITH (WALL / FLOOR) MOUNT CABINET/RACK(S), BACKBONE AND OR HORIZONTAL CABLING AND CABLE PATHWAY SYSTEM, CABLE TERMINATIONS, WORKSTATION AND PATCHING CABLES, OUTLETS/CONNECTORS, BOXES, AND FACEPLATES. BOXES ARE TO BE FLUSH / RECESSED IN WALL AND CONDUIT CONCEALED IN WALL OR ABOVE CEILING, UNLESS NOTED OTHERWISE.

2. ALL PRODUCTS ARE TO BE INSTALLED PER THE INSTALLATION DETAILS AND REQUIREMENTS OF THE RESPECTIVE MANUFACTURER NECESSARY TO MAINTAIN PERFORMANCE STANDARDS AND WARRANTY REQUIREMENTS. OBTAIN AND COORDINATE ALL INSTALLATION INSTRUCTIONS PRIOR TO ROUGH IN OF ANY CABLE PATHWAY.

3. CODES AND STANDARDS: CONTRACTOR IS TO COMPLY WITH THE LATEST VERSION, INCLUDING SUPPLEMENTS, OF THE FOLLOWING STANDARDS OR CODES:
   a. EIA / TIA - 568 COMMERCIAL BUILDING TELECOMMUNICATIONS WIRING.
   b. EIA / TIA - 569 COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES.
   c. EIA / TIA - 606 ADMINISTRATION STANDARD FOR THE TELECOMMUNICATIONS INFRASTRUCTURE OF COMMERCIAL BUILDINGS.
   d. EIA / TIA - 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS.

4. QUALIFICATIONS: DATA / VOICE CONTRACTOR SHALL SUBMIT CERTIFICATION STATING THAT HE IS AN AUTHORIZED REPRESENTATIVE AND CERTIFIED INSTALLER FOR THE MANUFACTURER OF THE EQUIPMENT HE IS SUBMITTING FOR APPROVAL. INSTALLATION SHALL BE COMPLETED BY TECHNICIANS THAT ARE FACTORY CERTIFIED FOR THE MANUFACTURER WHO'S PRODUCTS ARE BEING INSTALLED. SUBMIT VALID LOW VOLTAGE LICENSE OR CERTIFICATION OF AGENCY, VALID BICSI RCDD CERTIFICATE FOR CONTRACTOR, AND FACTORY CERTIFICATIONS FOR INSTALLATION TECHNICIANS, FOR REVIEW PRIOR TO ROUGH IN.

5. WARRANTY: CABLING AND CONNECTORS FOR HORIZONTAL STATION OUTLET SERVICE ARE TO BE PROVIDED, TESTED AND WARRANTED AS A COMBINED END TO END SYSTEM. THE CONTRACTOR SHALL FURNISH WRITTEN LIMITED WARRANTY THAT DESCRIBES THE EQUIPMENT SUPPLIED UNDER THIS SPECIFICATION WILL BE FREE FROM DEFECTS OF MANUFACTURER MATERIAL OR WORKMANSHIP FOR A PERIOD OF FIFTEEN (15) YEARS FROM THE DATE OF FINAL ACCEPTANCE, AND FOR INSTALLATION MATERIAL AND TESTING OF HORIZONTAL CHANNEL SHALL BE FREE OF DEFECT FOR A PERIOD OF TWO (2) YEARS. ALL DEFECTS OCCURRING WITHIN THOSE PERIODS SHALL BE CORRECTED IN A TIMELY MANNER AT NO COST TO OWNER.

6. SUBMITTALS: CONTRACTOR IS SUBMIT THE FOLLOWING INFORMATION FOR REVIEW PRIOR TO PROCUREMENT OF ANY PRODUCT SPECIFIED:
   a. CONTRACTOR AND INSTALLER CERTIFICATIONS.
   b. SUBMIT A ONE-LINE SCHEMATIC OF THE COMPLETE SYSTEM SHOWING FLOOR PLAN TO SCALE, SHOWING LOCATIONS AND TYPES OF EQUIPMENT AND CABLES.
   c. MANUFACTURERS STANDARD PRODUCT DATA FOR ALL ITEMS PROVIDED, ALL CUT SHEETS SHALL BE FULLY ANNOTATED TO INDICATE PRODUCTS PROPOSED.
   d. MANUFACTURERS PUBLISHED WARRANTY INFORMATION.
   e. SUBMIT SAMPLE TEST REPORT, AND TESTING EQUIPMENT TO BE USED.
   f. DOCUMENTATION OF TESTING / TEST DATA RESULTS OF ALL WIRING AND TERMINATIONS AND CONFORMANCE TO WARRANTY REQUIREMENTS (SUBMITTED AFTER INSTALLATION).

7. TESTING AND CERTIFICATIONS:
   a. COPPER CABLE SYSTEMS: ALL DATA AND VOICE TERMINATIONS SHALL BE TESTED AND CONFORM TO TIA/EIA-569.C.2 FOR STANDARD. TESTING SHALL BE ACCOMPLISHED USING A POE (CLASS 1-8) CABLE + NETWORK SCANNER, FLUKE LIQ-100 OR FLUKE MS-POE-IE, (OR PRIOR APPROVED EQUAL). TEST EACH PAIR AND SHIELD OF CABLE FOR OPENS, SHORTS, GROUNDS AND PAIR REVERSALS, CORRECT ALL GROUNDS OR PAIR REVERSALS, WHERE A REPAIR IS NOT POSSIBLE REPLACE ENTIRE CABLE AND RETEST TO ENSURE COMPLIANCE WITH STANDARDS.
   b. TEST RESULTS: ALL COMMUNICATIONS OUTLETS WIRED AND SERVICEABLE AND SUPPORTING HORIZONTAL OR BACKBONE CABLING SHALL BE FULLY TESTED PER THE APPROPRIATE STANDARD NOTED ABOVE AND TEST RESULTS SUBMITTED TO SHOW COMPLIANCE WITH STANDARDS, INCLUDING AT LEAST THE FOLLOWING INFORMATION OR ITEMS CLEARLY DETAILED, NOT LESS THAN 7 DAYS PRIOR TO FINAL INSPECTION:
      1. WIRE MAP
      2. LENGTH
      3. INSERTION LOSS
      4. NEAR-END CROSSTALK (NEXT)
      5. POWER SUM NEAR END CROSSTALK (PSNEXT)
      6. EQUAL-LEVEL FAR END CROSSTALK (ELFEXT)
      7. POWER SUM EQUAL-LEVEL FAR END CROSSTALK (PSELFEXT)
      8. RETURN LOSS
      9. PROPAGATION DELAY

8. RACK AND CABINET:
   a. WALL MOUNT DATA CABINET: PROVIDE AND INSTALL A WALL MOUNT SWING GATE TYPE ENCLOSED LOCKABLE CABINET WITH CLEAR PLEXI FRONT DOOR INSERT, HAVING FRONT AND REAR HINGES TO ALLOW FRONT OR REAR ACCESS TO CONNECTIONS. THE CABINET IS TO BE SIZED FOR INSTALLATION OF STANDARD 19" PANELS AND CABLE MANAGEMENT AND HAVE FULLY ADJUSTABLE EIA COMPLIANT MOUNTING RAILS. ENCLOSURE IS TO BE PROVIDE WITH FRONT AND REAR WIRE MANAGEMENT FOR EACH PATCH PANEL OR PLATE, A GROUND BAR, AND VENTS ON TOP, BOTTOM AND BOTH SIDES. PROVIDE CABINET WITH 24U VERTICAL MOUNTING SPACE AND MIN. 24" DEPTH. SECURE THE CABINET TO WALL BY MINIMUM 300 POUND ANCHORS. WHERE ON DRYWALL ENSURE THE ANCHORS ARE SUPPORTED FROM STUD IN WALL. CABINET TO BE CHATSWORTH "CUBE-IT" SERIES, SIEMON "WC2P" SERIES, OR APPROVED EQUAL.

9. ENHANCED CATEGORY 6 (6E) CABLE AND CONNECTORS:
   a. CAT 6E CABLE: PROVIDE AND INSTALL PREMIUM / ENHANCED CATEGORY 6 (6E) DATA CABLE AND CONNECTORS AT LOCATIONS AND QUANTITIES SHOWN OR NOTED ON THE PLANS FOR VOICE AND DATA COMMUNICATIONS SYSTEM. CABLE IS TO HAVE FOUR (4) UNSHIELDED TWISTED PAIRS (UTP) OF CONDUCTORS THAT ARE MINIMUM 23 AWG INDIVIDUALLY INSULATED, WITH A CENTER ISOLATION MEMBER SEPARATING EACH OF THE 4 INDIVIDUALLY TWISTED PAIRS. PROVIDE CABLES THAT MEET OR EXCEED THE PERFORMANCE STANDARDS OF ANSI / TIA-568.2-D AND ISO / IEC 11801-1, AND ARE MANUFACTURER TESTED TO 550 MHz FREQUENCY, MINIMUM. THE JACKET IS TO BE PLENUM RATED (CMP) WITH FEP INSULATION, BLUE COLOR, OR AS SHOWN AND NOTED ON DRAWINGS, OR AS DIRECTED BY OWNER. CABLE IS TO BE SIEMON "PREMIUM 6 UTP (9C6PR-E4-XX)" SERIES OR APPROVED EQUAL.
   b. WORST CASE TRANSMISSION PERFORMANCE ACCEPTABLE FOR CAT 6E CABLE AT 550 MHz, BASED ON 100 METER CHANNEL LENGTH:
      1. INSERTION LOSS - 50.2dB
      2. NEXT - 40.2dB
      3. PSNEXT - 38.2dB
      4. ACR - -10.0dB
      5. PSACR - -12.0dB
      6. ACR-F - 19.9dB
      7. PSACR-F - 16.9dB
      8. RETURN LOSS - 14.9dB
      9. PROPOGATION DELAY - 536ns
   c. CAT 6 CONNECTORS: PROVIDE AN INSTALL CATEGORY 6 MODULAR CONNECTORS THAT ARE DUAL LABELED FOR 568-A/B INSTALLATION AND USE. PROVIDE ANGLED MODULES FOR WORKSTATION OUTLETS AND FLAT FRONT MODULES FOR INSTALLATION IN PATCH PANELS OR FOR WALL MOUNT PHONE / DEVICE INSTALLATION. PROVIDE CONNECTORS ON EACH END OF EACH CABLE, AND PROVIDE AN ADDITIONAL 20% OF THE TOTAL NUMBER OF CONNECTORS USED AS SPARE. CONNECTOR MODULES ARE TO BE SIEMON "MAX-6 (MX6)" OR "Z-MAX-6 (Z6)" SERIES OR APPROVED EQUAL.
   d. CAT 6 PATCH / STATION CORDS: FOR EACH CATEGORY 6 OR 6E TELE / DATA PORT INSTALLED, PROVIDE ONE WORKSTATION CABLE AND ONE PATCH CORD. CABLES ARE TO BE STANDARD CATEGORY 6. STATION CABLES ARE TO BE BLUE AND 2 METER IN LENGTH, PATCH CORDS ARE TO BE 2 METERS IN LENGTH AND YELLOW IN COLOR. CABLES / CORDS ARE TO BE SIEMON "MC-6 UTP" SERIES OR APPROVED EQUAL.

10. PATCH PANEL AND WIRE MANAGEMENT:
   a. FOR WALL MOUNT DATA CABINET, PROVIDE MODULAR PATCH PANELS THAT ARE COMPATIBLE WITH CONNECTOR MODULES SPECIFIED. PATCH PANELS ARE TO BE STANDARD 19" WIDTH, TYPICALLY 1U MOUNTING HEIGHT FOR 16 OR 24 PORT PANELS AND HAVE FLAT FRONT CONNECTOR MODULES, AND 2U MOUNTING HEIGHT FOR 48 PORT PANELS. PROVIDE TYPICAL 16, 24 OR 48 PORT FLAT PANELS AS NOTED ON DRAWINGS OR AS REQUIRED FOR FULL INSTALLATION. PANELS ARE TO HAVE ONE PORT FOR EACH HORIZONTAL CABLE PLUS 25% SPARE / OPEN PORTS AND ALL PORTS ARE TO BE PROVIDED WITH PRINTED LABEL HOLDERS. OPEN PORTS ARE TO BE PROVIDED WITH FILLER PLATES. PATCH PANELS ARE TO BE SIEMON "MAX" PATCH PANELS OR APPROVED EQUAL.
   b. WIRE MANAGEMENT; PROVIDE FRONT AND REAR 1U WIRE MANAGEMENT BAR FOR EACH PATCH PANEL PROVIDED. PROVIDE ONE ADDITIONAL PAIR OF WIRE MANAGEMENT BARS TO ALLOW AN ABOVE AND BELOW INSTALLATION OF WIRE MANAGEMENT. PRODUCT TO BE SIEMON "WM-143" SERIES OR APPROVED EQUAL.

11. FACEPLATES: FOR WORK AREA OUTLETS, PROVIDE MODULAR FACEPLATES THAT ALLOW INSTALLATION OF AND ARE FULLY COMPATIBLE WITH THE MODULAR CONNECTORS SPECIFIED ABOVE. PROVIDE PLATES OF THE SAME MATERIAL AS DUPLEX OR SWITC

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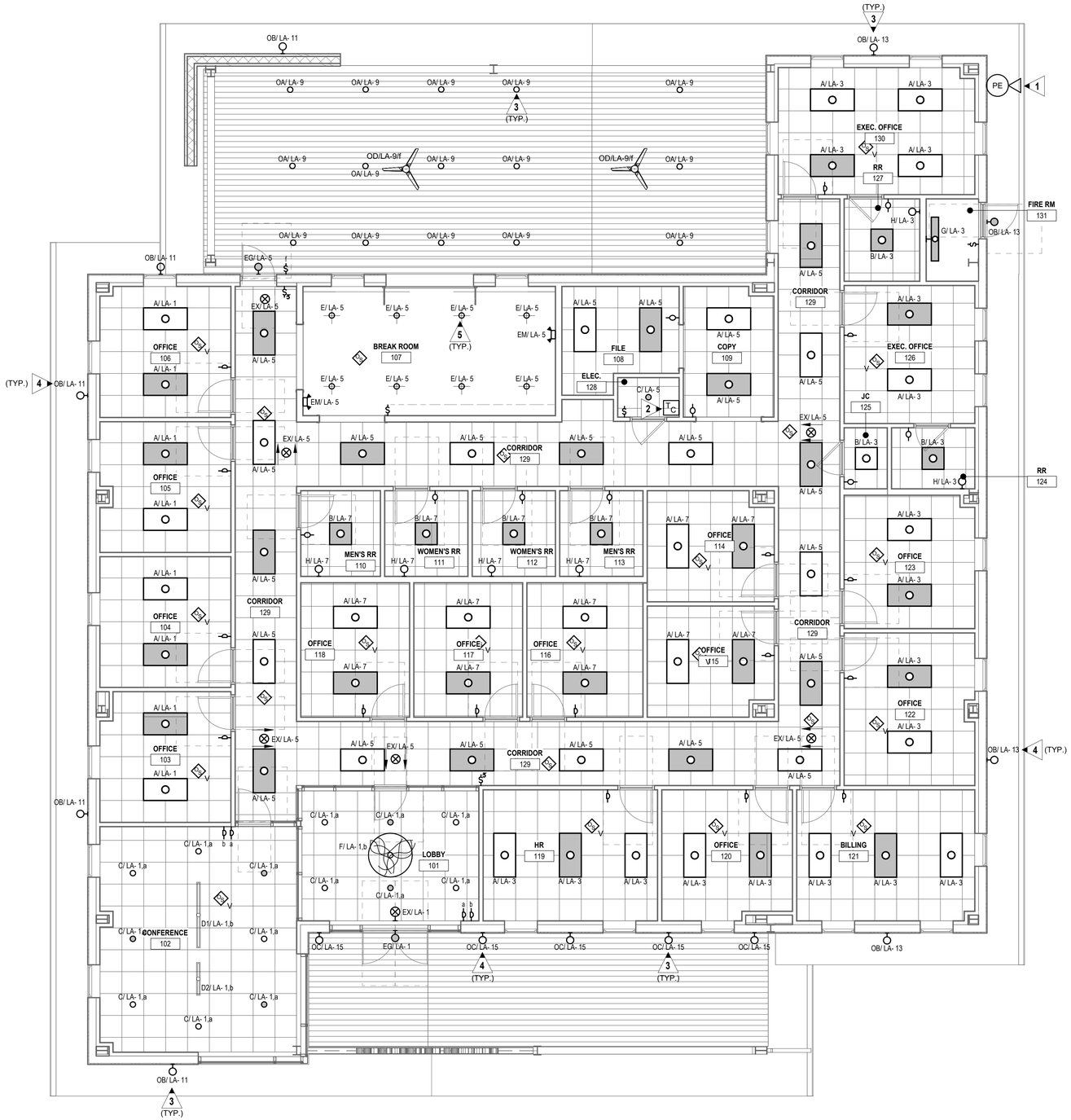

1 E-201 FLOOR PLAN - LIGHTING
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

1. LOWER CASE LETTERS AT SWITCHES AND LIGHT FIXTURES ON THIS SHEET ARE SHOWN TO CLARIFY THE FIXTURES BEING CONTROLLED BY THE ASSOCIATED SWITCHES.
2. THIS PLAN INDICATES AREAS TO BE CONTROLLED BY MOTION SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION, AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
3. PROVIDE UN-SWITCHED "HOT" CONDUCTOR TO EACH EXIT SIGN, EMERGENCY FIXTURE, AND NIGHT LIGHT FIXTURE.
4. PROVIDE NEUTRAL CONDUCTOR TO ALL WALL MOUNTED OCCUPANCY SENSORS. IF SENSOR DOES NOT REQUIRE NEUTRAL, CAP NEUTRAL IN BOX.
5. CONTRACTOR SHALL PROVIDE CLASS 2, 600 VOLT RATED, 0-10 VOLT CONTROL WIRING FOR ALL L.E.D. FIXTURES WHERE CONTROLLED BY LOW-VOLTAGE CONTROLLERS OR WALL BOX DIMMERS.
6. FOR ALL CONDUIT INSTALLATIONS, CONTRACTOR SHALL PULL #18 AWG TFN SOLID COPPER CONTROL WIRING IN SAME CONDUIT AS LINE-VOLTAGE CONDUCTORS SHALL BE PURPLE AND GRAY. FIXTURE WHIPS SHALL BE PROVIDED WITH CONTROL WIRING INSTALLED IN WHIPS TO MATCH INSTALLATION. FIXTURE WHIPS SHALL NOT EXCEED 6'-0" IN LENGTH. NO EXCEPTIONS.
7. THERE ARE NO SWITCHPACKS SHOWN ON THIS PLAN. PROVIDE SWITCHPACKS AS REQUIRED WITH SENSORS. SWITCHPACKS ARE TO BE RATED AT 20A. PROVIDE ONE SWITCHPACK PER 20A LIGHTING CIRCUIT OR PER INDIVIDUAL AREA BEING CONTROLLED.
8. CEILING SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSOR WITH MECHANICAL AND LIGHTING PLANS.
9. ALL SENSORS SHALL BE CEILING MOUNTED EXCEPT WHERE CEILING HEIGHTS EXCEED 15 FT.-0 IN. PROVIDE SENSOR WITH ADAPTOR PLATE FOR JUNCTION BOX MOUNTING (JUNCTION BOX SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING) JUNCTION BOX SHALL BE SUPPORTED FROM STRUCTURE UTILIZING A 3/8 IN. THREADED ROD. WHERE CEILING HEIGHTS EXCEED 15 FT.-0 IN. WALL MOUNT SENSORS AT 12'-0 IN.
10. EXIT SIGN MOUNTING IS TO BE WITH BOTTOM OF FIXTURE A MAXIMUM OF 48" ABOVE INDICATING DOOR OR PATH.

KEYED NOTES:

1. LOCATE P.E. CELL FACING NORTH, CLEAR OF MAN MADE LIGHT SOURCES. J-BOX TO HOUSE P.E. CELL SHALL BE RECESSED MOUNTED WITH STAINLESS STEEL COVER.
2. PROVIDE 365 DAY DIGITAL PROGRAMMABLE TYPE ELECTRONIC CONTROL TIME CLOCK WITH MINIMUM 6 CONTACTS AND MINIMUM 96 ON/OFF EVENTS PER WEEK. CONTACTS RATED FOR MINIMUM 30 AMPS AND 120 VOLTS. PROVIDE WITH NEMA TYPE 1 ENCLOSURE AND CAPACITOR BACKUP. PROVIDE WITH AUTO-ON-OFF FUNCTION. PROVIDE AUXILIARY INPUT FROM PHOTO CELL FOR OVERRIDE ON OR OFF CONTROL.
3. ROUTE VIA 6 POLE EXTERIOR LIGHTING CONTACTOR/TIME CLOCK LOCATED ADJACENT PANELS. PHOTO CELL SHALL CONTROL DUSK TILL DAWN OPERATION. TIME CLOCK SHALL INTERRUPT CIRCUIT DURING MIDNIGHT HOURS. SEE KEYED NOTE 6. USE #10'S ENTIRE CIRCUIT UNLESS OTHERWISE NOTED. PROVIDE MANUAL OVERRIDE SWITCH. COORDINATE FINAL LOCATION WITH OWNER.
4. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL PRIOR TO ROUGH-IN.
5. COORDINATE EXACT PENDANT SUSPENSION HEIGHT WITH ARCHITECTURAL PRIOR TO ROUGH-IN.

LIGHT FIXTURE DESIGNATION DESCRIPTION

EXAMPLE: B/HA1-1,b

- PANEL DESIGNATION:
- FIXTURE TYPE: TYPE "A" IF NO CAPITAL LETTER SHOWN
- CIRCUIT NUMBER:
- SWITCH LEG DESIGNATION WHEN MULTIPLE SWITCHES ARE IN SAME SPARE/AREA

B/ HA1 -1, b

PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
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GEORGIA REGISTERED PROFESSIONAL ENGINEER JEFFREY H. McGEE
04/24/26

PROJECT NUMBER: 25-038

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE

265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

FLOOR PLAN - LIGHTING

E-201

FOR CONSTRUCTION

EDC ELECTRICAL DESIGN CONSULTANTS
ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M26024
edc1973.com

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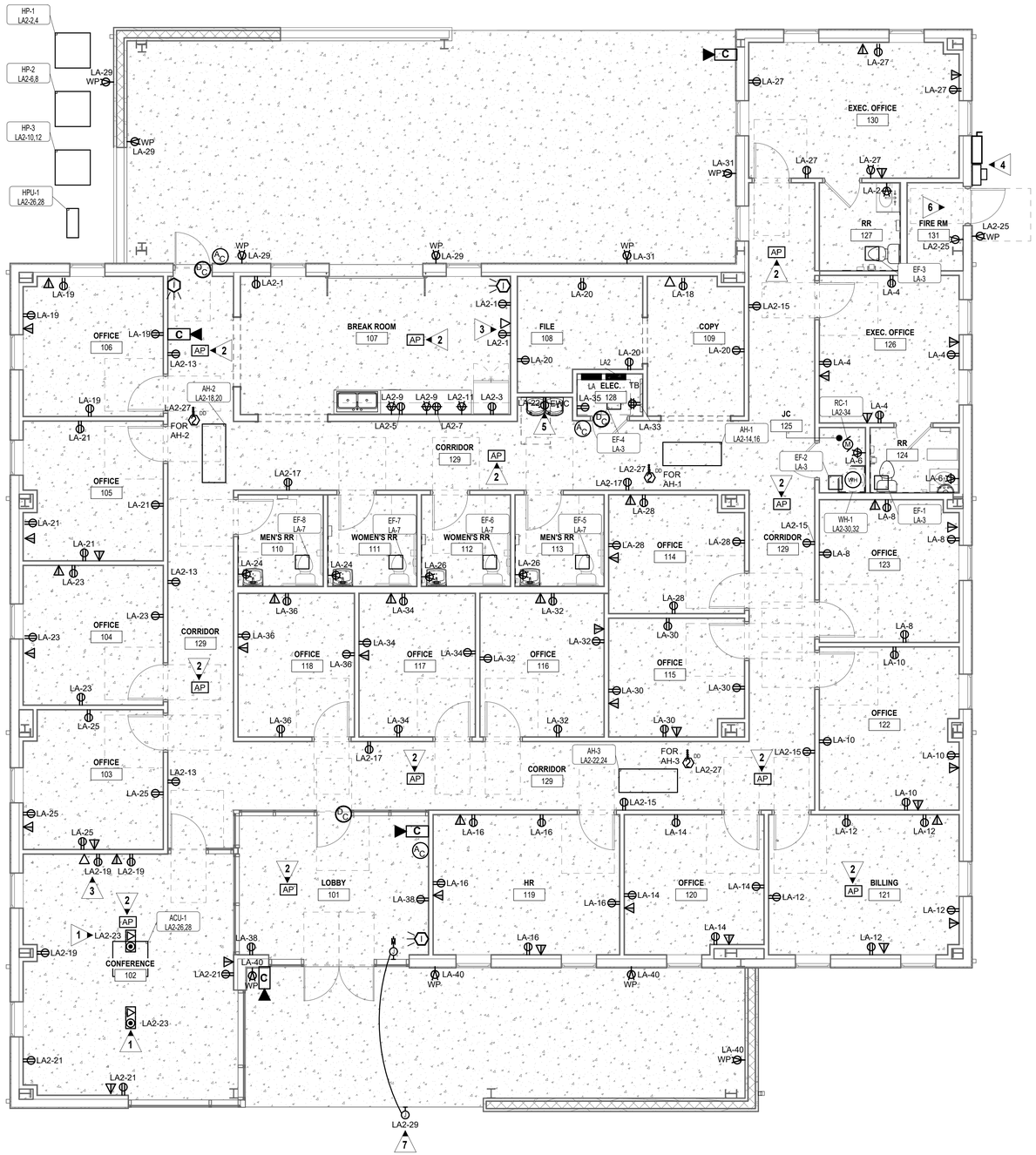

1 FLOOR PLAN - POWER & SYSTEMS
E-301 SCALE: 3/16" = 1'-0"

GENERAL NOTES:

1. VERIFY MOUNTING HEIGHTS OF ALL ELECTRICAL OUTLETS WITH ARCHITECTURAL ELEVATIONS AND MILLWORK DRAWINGS PRIOR TO ROUGH IN
2. ROUTE 1"C FROM ALL MILLWORK/FLOOR BOXES WHERE DATA DROPS ARE SHOWN TO ABOVE NEAREST ACCESSIBLE CEILING TO SERVE DATA CABLING.
3. CONDUIT RUNS ARE SHOWN ON THESE TYPICAL PLANS AS UNDERGROUND ROUGH-IN.
4. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.
5. ALL FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
6. COORDINATE FINAL RECEPTACLE AND VOICE/DATA OUTLET LOCATIONS WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN. NO EXCEPTIONS.
7. COORDINATE EXACT CONDUIT REQUIREMENTS FOR THERMOSTATS TO ALL AIR HANDLING UNITS. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS. PROVIDE OUTLET BOXES AND CONDUIT TO ABOVE CEILINGS FOR ALL THERMOSTATS.
8. FIRE SEAL ALL FIREWALL PENETRATIONS.

KEYED NOTES:

1. COORDINATE EXACT LOCATION OF FLOOR BOX WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
2. CEILING MOUNTED BISCUIT STYLE DATA OUTLET BY OTHERS FOR WIRELESS ACCESS POINT. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO BOX AND CONDUIT ROUGH-IN.
3. MOUNT RECEPTACLE AND DATA OUTLET HIGH ON WALL FOR TV. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
4. SEE POWER RISER DIAGRAM, 1/E-401.
5. ELECTRIC WATER COOLER. REFER TO RECEPTACLE LOCATION @ WATER COOLER DETAIL, 9/E-401.
6. FIRE SPRINKLER SYSTEM PROVIDED WITH CONTROLLER TO NOTIFY FIRE DEPARTMENT. REFER TO FIRE PROTECTION DRAWINGS FOR MORE INFORMATION.
7. J-BOX FOR POWER TO BUILDING SIGNAGE. PROVIDE J-BOX ON INTERIOR WALL FOR CONTROLS WITH A MOTOR RATED SWITCH FOR DISCONNECTING MEANS. MOTOR RATED SWITCH MUST REMAIN ACCESSIBLE. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.

MECHANICAL CONNECTION SCHEDULE

ID	EQUIPMENT INFORMATION VOLT	PH	MCA	MOCP	CIRCUIT INFORMATION PANEL	NO.	APPARENT LOAD	CONDUIT & WIRE SIZE	DISC TYPE	NOTES
AIR HANDLERS										
AH-1	240 V	1	81.0 A	90.0 A	LA2	14,16	15552 VA	1 1/4"C,3#3,1#8G	100A/2P NEMA 1	1,2
AH-2	240 V	1	56.4 A	60.0 A	LA2	18,20	10830 VA	1"C,3#6,1#8G	60A/2P NEMA 1	1,2
AH-3	240 V	1	44.4 A	45.0 A	LA2	22,24	8526 VA	1"C,3#8,1#10G	60A/2P NEMA 1	1,2
EXHAUST FANS										
EF-1	120 V	1	0.6 A	20.0 A	LA	3	55 VA	1/2"C,2#12,1#12G	MRS	1,4
EF-2	120 V	1	0.6 A	20.0 A	LA	3	55 VA	1/2"C,2#12,1#12G	MRS	1,5
EF-3	120 V	1	0.6 A	20.0 A	LA	3	55 VA	1/2"C,2#12,1#12G	MRS	1,4
EF-4	120 V	1	0.6 A	20.0 A	LA	3	55 VA	1/2"C,2#12,1#12G	MRS	1,4
EF-5	120 V	1	0.6 A	20.0 A	LA	7	55 VA	1/2"C,2#12,1#12G	MRS	1,4
EF-6	120 V	1	0.6 A	20.0 A	LA	7	55 VA	1/2"C,2#12,1#12G	MRS	1,4
EF-7	120 V	1	0.6 A	20.0 A	LA	7	55 VA	1/2"C,2#12,1#12G	MRS	1,4
EF-8	120 V	1	0.6 A	20.0 A	LA	7	55 VA	1/2"C,2#12,1#12G	MRS	1,4
HEAT PUMPS										
HP-1	240 V	1	35.5 A	60.0 A	LA2	2,4	6816 VA	1"C,3#6,1#8G	60A/2P NEMA 3R	1
HP-2	240 V	1	31.4 A	50.0 A	LA2	6,8	6144 VA	1"C,3#6,1#10G	60A/2P NEMA 3R	1
HP-3	240 V	1	22.1 A	25.0 A	LA2	10,12	4368 VA	3/4"C,3#10,1#10G	30A/2P NEMA 3R	1
HPU/ACU UNITS										
ACU-1	240 V	1	3.0 A	30.0 A	LA2	26,28	576 VA	3/4"C,3#10,1#10G	MRS	1,3
HPU-1	240 V	1	24.0 A	30.0 A	LA2	26,28	4608 VA	3/4"C,3#10,1#10G	30A/2P NEMA 3R	1,3
RECIRCULATION PUMPS										
RC-1	120 V	1	0.5 A	20.0 A	LA2	34	44 VA	1/2"C,2#12,1#12G	MRS	
WATER HEATERS										
WH-1	240 V	1	23.4 A	25.0 A	LA2	30,32	4500 VA	3/4"C,3#10,1#10G	MRS	

MECHANICAL/PLUMBING SCHEDULE NOTES:

1. SEE MECHANICAL FOR EXACT CONTROL REQUIREMENTS.
2. DUCT SMOKE DETECTOR (STAND ALONE 120V UNIT) IN SUPPLY AIR DUCT PROVIDED BY ELECTRICAL AND INSTALLED BY MECHANICAL. UNIT SHALL COME COMPLETE WITH SAMPLING TUBE AND REMOTE TEST/RESET STATION LOCATED IN MECH/ELEC ROOM IN ACCESSIBLE LOCATION. DETECTOR SHALL SHUT DOWN UNIT UPON SENSING SMOKE.
3. INDOOR UNIT POWERED VIA OUTDOOR UNIT. PROVIDE 3/4 IN. CONDUIT FOR FACTORY CORDSET.
4. INTERLOCK AND POWER FAN V/A LIGHTING CIRCUIT IN AREA SERVED. PROVIDE 15 MINUTE TIME DELAY RELAY. PROVIDE UNSWITCHED HOT AT FAN.
5. INTERLOCK AND POWER FAN VIA LIGHTING CIRCUIT IN AREA SERVED. FAN SHALL BE CONTROLLED BY DIGITAL TIME CLOCK PROVIDED BY ELECTRICAL.

MECHANICAL EQUIPMENT TAG DESCRIPTION

EXAMPLE: RAC-1 HR-7,9,11

EQUIPMENT ID:

MECHANICAL/ PLUMBING EQUIPMENT

PANEL - CIRCUIT NUMBER:

RAC-1 HR-7,9,11

NOTE: REFER TO MECHANICAL CONNECTION SCHEDULES FOR CIRCUITING INFORMATION

PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
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GEORGIA REGISTERED NO. 27647 PROFESSIONAL ENGINEER JEFFREY H. McGEE
04/24/26

PROJECT NUMBER: 25-038

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

FLOOR PLAN - POWER & SYSTEMS

E-301

FOR CONSTRUCTION

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ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M26024
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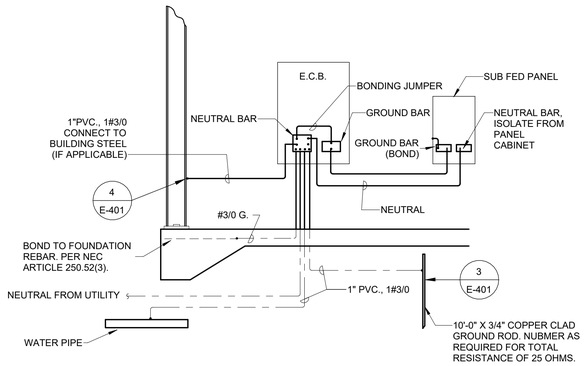
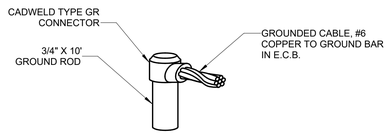
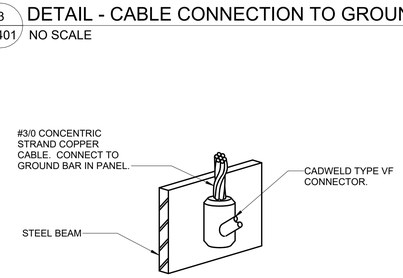


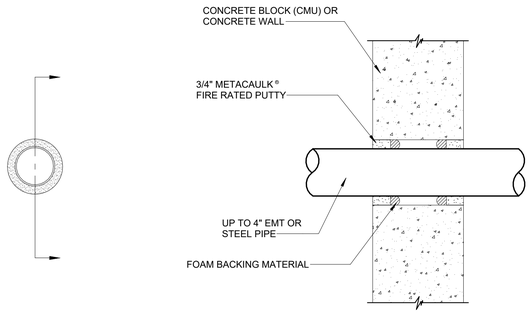
2 E-401 DETAIL - SERVICE GROUNDING
NO SCALE



3 E-401 DETAIL - CABLE CONNECTION TO GROUND ROD
NO SCALE

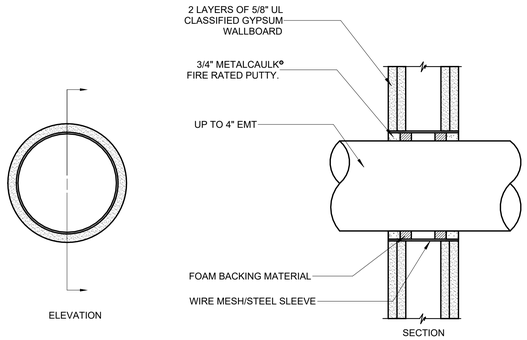


4 E-401 DETAIL - CABLE CONNECTION TO STEEL BEAM
NO SCALE



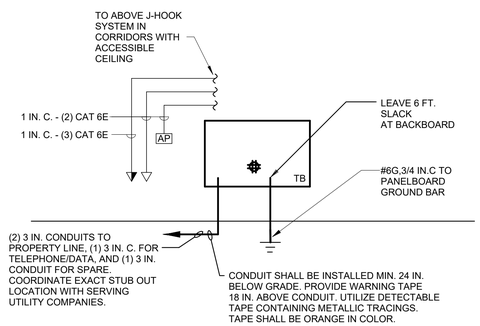
NOTE: WHERE CONDUIT IS USED AS A SLEEVE FOR ROUTING LOW VOLTAGE CABLES THROUGH A RATED WALL, LOCATE CONDUCTORS IN CENTER OF SLEEVE AND FILL OPENING WITH FIRE RATED PUTTY AT EACH END OF SLEEVE.

5 E-401 DETAIL - CONCRETE WALL PENETRATION
NO SCALE

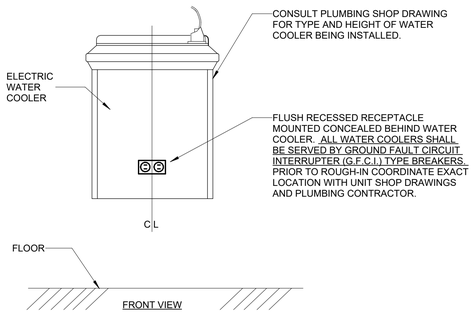


NOTE: WHERE CONDUIT IS USED AS A SLEEVE FOR ROUTING LOW VOLTAGE CABLES THROUGH A RATED WALL, LOCATE CONDUCTORS IN CENTER OF SLEEVE AND FILL OPENING WITH FIRE RATED PUTTY AT EACH END OF SLEEVE.

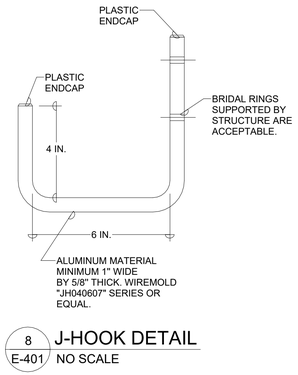
6 E-401 DETAIL - GYPSUM WALLBOARD PENETRATION
NO SCALE



7 E-401 TELEPHONE/DATA RISER
NO SCALE



9 E-401 RECEPTACLE LOCATION @ ELECTRIC WATER COOLER
NO SCALE



8 E-401 J-HOOK DETAIL
NO SCALE

GENERAL NOTES: (DATA CABLING)

1. ADDITIONAL WALL SLEEVES AND WALL PENETRATIONS WILL BE REQUIRED FOR NETWORK CABLING. PROVIDE AS NECESSARY AND FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS.
2. ALL JACKS SHALL BE PROVIDED WITH ICON DENOTING DATA OR VOICE OUTLET. OUTLET SHALL BE LABELED WITH FOLLOWING NOMENCLATURE:
   - D M XXX
     - XXX — JACK NUMBER
     - M — MDF OR IDF DESIGNATION FROM WHICH JACK IS SERVED.
     - D — D OR V INDICATING VOICE OR DATA OUTLET.

   ALL PATCH PANELS AND 110 BLOCKS SHALL BE CORRESPONDINGLY LABELED.
3. PROVIDE METAL D-RING OR RING RUNS AS NECESSARY TO PROPERLY LACE AND SUPPORT ALL CABLING AT BACKBOARDS.
4. REFER TO 1/8 IN. PLANS SHOWING OUTLET LOCATIONS, PANEL LOCATIONS, CEILING TYPES, ETC.
5. GROUND ALL RACKS WITH #6 COPPER LOCATED AT EACH BACKBOARD. CONTRACTOR SHALL ROUTE #6G, 3/4 IN. C. TO GROUND PLATE. PROVIDE 12 IN. CABLE RUNWAY SPANNING FROM TOP OF RACK TO WALL AND TURNED UP TO ABOVE DROP TILE CEILING IN ORDER TO ROUTE CABLE TO RACK. AT EACH RACK LOCATION, PROVIDE A 3/4IN.x4 FT.x8 FT. BACKBOARD PAINTED WITH TWO COATS OF BLACK FIRE RETARDANT PAINT.
6. TY-WRAPS SHALL NOT BE CINCHED DOWN TIGHT ENOUGH TO DEFORM CABLES. MAINTAIN MINIMUM BEND RADIUS ON FIBER, TIE CABLES, STATION WIRES, AND PATCH CORDS.
7. REFER TO SPECIFICATIONS FOR CABLING. ALL CABLING SHALL BE PLENUM RATED.
8. PROVIDE VELCRO CABLE WRAPS AT RACKS TO PROPERLY LACE AND TRAIN PATCH CORDS AT RACKS IN AN ORDERLY FASHION.
9. FIELD VERIFY MOUNTING SPACE IN DATA RACK ROOM. PROVIDE WALL MOUNTED RACKS WHERE NECESSARY.
10. CABLING FOR COMPUTER DATA SHALL BE ROUTED VIA J-HOOK SYSTEM. PROVIDE CONDUIT TO 6 IN. ABOVE ACCESSIBLE CEILING. BUNDLE CABLES, SLEEVE THROUGH CORRIDOR WALL USING 4 IN. C.
11. NETWORK HUBS AND ELECTRONICS, RACK MOUNTED UPS, PATCH CORDS, AND FIBER OPTIC PATCH CORDS ARE NOT IN CONTRACT.
12. REFER TO POWER SHEET, E-301, FOR ADDITIONAL INFORMATION.
13. SEE WIRE MANAGEMENT NOTES.

WIRE MANAGEMENT NOTES

NOTES:

A. ALL J-HOOKS SHALL BE SPACED NO MORE THAN 48 INCHES APART AND NO MORE THAN 12 INCHES FROM THE CORNER OF ANY SPACE.

B. PROVIDE J-HOOKS NO MORE THAN 12 INCHES AWAY FROM CONDUIT SLEEVES.

C. WHERE J-HOOKS ARE (2) ROWS: SPACING BETWEEN THE ROWS SHALL BE 12 INCHES.

D. CONDUIT SLEEVES SHALL BE AT THE SAME LEVEL AS THE ROWS OF J-HOOKS.

E. FIRE SEAL AROUND ALL CONDUIT SLEEVES. SEE ARCHITECTURAL SHEET FOR REQUIRED RATINGS.

F. COORDINATE THE EXACT LEVEL OF J-HOOKS AND CONDUIT SLEEVES WITH OTHER TRADES PRIOR TO ROUGHING.

G. J-HOOKS SHALL NOT BE SUPPORTED BY GYPSUM WALL BOARD. J-HOOKS SHALL BE SUPPORTED BY BLOCK WALL OR STUD. SEE ARCHITECTURAL PLAN FOR WALL MATERIALS.

H. ALL CABLING SHALL BE NEATLY BUNDLED UTILIZING "NOT A CINCH" TYPE RATED VELCRO TIE WRAPS.

I. J-HOOKS SHALL SUPPORT CABLING FOR: DATA, TELEPHONE, FIRE ALARM, CAMERA, ACCESS CONTROL, AND INTRUSION.

J. ONE ROW SHALL SUPPORT CAMERA/ACCESS CONTROL CABLING, ONE ROW SHALL SUPPORT DATA/TELEPHONE CABLING, ONE ROW SHALL SUPPORT FIRE ALARM CABLING, ONE ROW SHALL SUPPORT INTRUSION CABLING.

K. SEE DETAIL 5/E-401 - CONCRETE WALL PENETRATION

L. SEE DETAIL 6/E-401 - GYPSUM WALLBOARD PENETRATION.

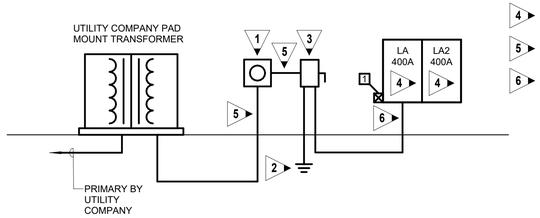
M. WHERE J-HOOKS ARE SHOWN ABOVE SOLID SOFFITS MORE THAN TWO FEET WIDE, PROVIDE J-HOOKS HUNG FROM STRUCTURE (4 HOOKS PRE 3/8 IN THREADED ROD.

CITY OF COVINGTON SERVICE NOTES

1. GRADES MUST BE WITHIN 6 INCHES OF FINAL BEFORE THE INSTALLATION OF THE SERVICE.
2. CONTRACTOR PROVIDED METER BASE MUST MEET THE METER BASE SPECIFICATION REQUIREMENTS LISTED ON THE CITY OF COVINGTON WEB SITE UNDER THE "ELECTRICAL DEPARTMENT" SECTION OF THE SITE. ALL SPACING REQUIREMENTS MUST BE MET.
3. CONTACT THE COVINGTON ELECTRIC DEPARTMENT FOR THE EXACT PLACEMENT OF THE METER BASE ON THE EXTERIOR STRUCTURE PRIOR TO SERVICE ROUGH-IN.
4. ON CONDENSED LOTS WHERE ACCESS BETWEEN STRUCTURES IS LIMITED WITH DIGGING EQUIPMENT, THE CONTRACTOR WILL BE REQUIRED TO INSTALL A 2 1/2 IN. C. FROM THE METER BASE TO THE RIGHT OF WAY.
5. NO CONSTRUCTION MATERIALS OR TRASH SHALL BE IN CONFLICT WITH THE INSTALLATION OF THE POWER SERVICE LATERAL TO THE STRUCUTRE.
6. OWNER/DEVELOPER TO SIGN EASEMENTS AND PAY ALL INFRASTRUCTURE RELOCATION COSTS PRIOR TO ANY WORK.
7. INSTALLATION CHARGES, IF APPLICABLE, MUST BE PAID IN FULL PRIOR TO ANY WORK.
8. CONTRACTOR IS REQUIRED TO INSTALL TEMPORARY POWER POLE, IF APPLICABLE. TEMPORARY PWOER POLE SPECIFICATIONS ARE LISTED ON THE CITY OF COVINGTON WEB SITE UNDER THE "ELECTRICAL DEPARTMENT" SECTION OF THE SITE.
9. ANY CHANGES OR ADDITIONS TO EXISTING ELECTRICAL LOADS RESULTING IN UPGRADES TO THE SERVICE AND/OR TRANSFORMER SIZE(S) WILL RESULT IN ASSOCIATED COSTS TO BE COVERED BY THE CONTRACTOR.
10. IF THE PROJECT SHOULD CAUSE RELOCATION OR REMOVAL OF ANY EXISTING POWER MAIN OR SERVICE, THERE WILL BE AN ASSOCIATED COST TO BE COVERED BY THE CONTRACTOR.

KEYED NOTES:

1. METER BASE SUPPLIED AND INSTALLED BY CONTRACTOR. PROVIDE 400A, 120/240V, 1PH, FEED-THRU TYPE METER COMPATIBLE WITH CITY OF COVINGTON STANDARDS. CONTRACTOR TO PAY ALL COSTS FOR METER BASE AND SERVICE SHOWN. SEE CITY OF COVINGTON SERVICE NOTES ON THIS SHEET.
2. SEE SERVICE GROUNDING DETAIL, 2/E-401.
3. NEW 120/240V, 400A/2P/3R S.E. RATED ENCLOSED SHUNT TRIP TYPE CIRCUIT BREAKER. 35.0 KAIC MINIMUM. PROVIDE LABEL "SERVICE DISCONNECT".
4. NEW 400A PANEL. SEE PANEL SCHEDULE ON SHEET E-402.
5. 3#600MCM, 4 IN. C.
6. 3#600MCM, #1/0G., 4 IN. C.



1 E-401 POWER RISER DIAGRAM
NO SCALE

T.V.S.S.

1 MAIN SERVICE PANELS, PROVIDE 4#6 CONDUCTORS IN 1 IN. C. FROM 60A/2P BREAKER IN SUPPLYING PANEL. PROVIDE BREAKER, IN U.L. 1449 LISTED, 200,000 SURGE CURRENT RATING, EATON EXTERNALLY MOUNTED "SPD" SERIES OR EQUAL.

ALPHA BLDG SET 06-18-2026

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS
135 P RICKMAN INDUSTRIAL DR.
SUITE 100 CANTON, GA 30115
Phone: (770) 345-2579

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GEORGIA REGISTERED NO. 034567 PROFESSIONAL ENGINEER JEFFREY H. McGEE
04/24/26

PROJECT NUMBER: 25-038

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

POWER RISER & DETAILS

E-401

FOR CONSTRUCTION

EDC ELECTRICAL DESIGN CONSULTANTS
ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M26024
edc1973.com

CSC-2024.01.007

PANELBOARD: LA

LOCATION: ELEC. 128 **VOLTAGE:** 120/240 V. 1 ø 3 W.
MOUNTING: SURFACE NEMA 1 **A.I.C. RATING:** 35,000 AMPS SYMMETRICAL
MAIN DEVICE: 400.0 A MLO **SPECIAL:**
BUS AMPS: 400 AMPS **FED FROM:** UTILITY

LOAD NAME	NOTE	BKR	P	CKT	A		B		CKT	P	BKR	NOTE	LOAD NAME
LITES		20 A	1	1	0.9	0.2			2	1	20 A		RECEPTACLES
LITES		20 A	1	3			1.3	0.7	4	1	20 A		RECEPTACLES
LITES		20 A	1	5	1.4	0.4			6	1	20 A		RECEPTACLES
LITES		20 A	1	7			0.9	0.7	8	1	20 A		RECEPTACLES
EXTERIOR LITES		20 A	1	9	0.4	0.7			10	1	20 A		RECEPTACLES
EXTERIOR LITES		20 A	1	11			0.2	0.9	12	1	20 A		RECEPTACLES
EXTERIOR LITES		20 A	1	13	0.2	0.7			14	1	20 A		RECEPTACLES
EXTERIOR LITES		20 A	1	15			0.3	0.9	16	1	20 A		RECEPTACLES
TIME CLOCK		20 A	1	17	0.5	1.5			18	1	20 A		RECEPTACLES
RECEPTACLES		20 A	1	19			0.7	0.7	20	1	20 A		RECEPTACLES
RECEPTACLES		20 A	1	21	0.7	0.5			22	1	20 A	1	EWC
RECEPTACLES		20 A	1	23			0.7	0.4	24	1	20 A		RECEPTACLES
RECEPTACLES		20 A	1	25	0.7	0.4			26	1	20 A		RECEPTACLES
RECEPTACLES		20 A	1	27			0.9	0.7	28	1	20 A		RECEPTACLES
RECEPTACLES		20 A	1	29	0.7	0.7			30	1	20 A		RECEPTACLES
RECEPTACLES		20 A	1	31			0.4	0.7	32	1	20 A		RECEPTACLES
TB		20 A	1	33	0.5	0.7			34	1	20 A		RECEPTACLES
RECEPTACLES		20 A	1	35			0.2	0.7	36	1	20 A		RECEPTACLES
TVSS		60 A	2	37	0.0	0.4			38	1	20 A		RECEPTACLES
				39			0.0	0.7	40	1	20 A		RECEPTACLES
				TOTAL LOAD:	47 kVA		46 kVA						
				TOTAL AMPS:	390 A		381.5 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
HVAC	57420 VA	100.00%	57420 VA		
RECEPTACLES	25818 VA	69.37%	17909 VA	**CONNECTED LOAD:**	92549 VA
MTR	484 VA	102.84%	498 VA	**ESTIMATED DEMAND:**	86253 VA
HEAT	4500 VA	100.00%	4500 VA	**CONNECTED CURRENT:**	385.6 A
LITES	5162 VA	125.00%	6452 VA	**EST. DEMAND CURRENT:**	359.4 A

NOTES: PROVIDE FEED THRU LUGS. SECTION 1 OF 2.
1. PROVIDE GFCI BREAKER

PANELBOARD: LA2

LOCATION: ELEC. 128 **VOLTAGE:** 120/240 V. 1 ø 3 W.
MOUNTING: SURFACE NEMA 1 **A.I.C. RATING:** 35,000 AMPS SYMMETRICAL
MAIN DEVICE: 400.0 A MLO **SPECIAL:**
BUS AMPS: 400 AMPS **FED FROM:** LA

LOAD NAME	NOTE	BKR	P	CKT	A		B		CKT	P	BKR	NOTE	LOAD NAME
RECEPTACLES		20 A	1	1	0.5	3.4			2	2	60 A		HP-1
REFRIGERATOR	1	20 A	1	3			0.2	3.4	4				
DISHWASHER	1	20 A	1	5	0.2	3.1			6	2	50 A		HP-2
MICROWAVE	1	20 A	1	7			0.2	3.1	8				
RECEPTACLES		20 A	1	9	0.4	2.2			10	2	25 A		HP-3
RECEPTACLES		20 A	1	11			0.2	2.2	12				
RECEPTACLES		20 A	1	13	0.5	7.8			14	2	90 A		AH-1
RECEPTACLES		20 A	1	15			0.7	7.8	16				
RECEPTACLES		20 A	1	17	0.5	5.4			18	2	60 A		AH-2
RECEPTACLES		20 A	1	19			0.5	5.4	20				
RECEPTACLES		20 A	1	21	0.5	4.3			22	2	45 A		AH-3
RECEPTACLES		20 A	1	23			0.7	4.3	24				
RECEPTACLES		20 A	1	25	0.4	2.6			26	2	30 A		HPU/ACU-1
DETECTORS		20 A	1	27			0.5	2.6	28				
SIGN		20 A	1	29	1.5	2.3			30	2	25 A		WH-1
SPARE		20 A	1	31			0.0	2.3	32				
SPARE		20 A	1	33	0.0	0.0			34	1	20 A		RC-1
SPARE		20 A	1	35			0.0	--	36	1	--		SPACE
SPARE		20 A	1	37	0.0	--			38	1	--		SPACE
SPARE		20 A	1	39			0.0	--	40	1	--		SPACE
				TOTAL LOAD:	35 kVA		34 kVA						
				TOTAL AMPS:	294 A		280.9 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
HVAC	57420 VA	100.00%	57420 VA		
RECEPTACLES	6961 VA	100.00%	6961 VA	**CONNECTED LOAD:**	68987 VA
MTR	44 VA	125.00%	55 VA	**ESTIMATED DEMAND:**	68998 VA
HEAT	4500 VA	100.00%	4500 VA	**CONNECTED CURRENT:**	287.4 A
				EST. DEMAND CURRENT:	287.5 A

NOTES: SECTION 2 OF 2.
1. PROVIDE GFCI BREAKER

COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: 25-038 Peach State Construction Office
Project Type: New Construction

Construction Site:
265 PIPER ROAD
COVINGTON, GA 30114

Owner/Agent:
PEACH STATE CONSTRUCTION CO.
7260 WILLIAMS BROTHER DR
COVINGTON, GA 30014

Designer/Contractor:
Electrical Design Consultants
175 New Street
Suite 1
Macon, GA 31201

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Enhanced Interior Lighting Controls, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Office	5225	0.82	4284
		Total Allowed Watts =	4285

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Office				
A: A: 2 FT. X 4 FT. TROFFER: LED Panel 44W:	1	59	49	2891
B: B: 2 FT. X 2 FT. TROFFER: LED Panel 41W:	1	7	41	287
C: C: 6 IN. DOWNLIGHT: LED Other Fixture Unit 25W:	1	15	23	345
D1: D1: 6 FT. DECORATIVE PENDANT: LED Other Fixture Unit 50W:	1	1	51	51
D2: D2: 3 FT. DECORATIVE PENDANT: LED Other Fixture Unit 28W:	1	1	30	30
E: E: 6 IN. CYLINDER: LED Other Fixture Unit 25W:	1	8	23	184
F: F: ARCHITECTURAL PENDANT: LED Other Fixture Unit 103W:	1	1	100	100
G: G: 4 FT. LED WALL MOUNT: LED Other Fixture Unit 40W:	1	1	40	40
H: H: 2 FT. VANITY FIXTURE: LED Other Fixture Unit 25W:	1	6	21	126
		Total Proposed Watts =		4054

Interior Lighting PASSES: Design 5% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in *COMcheck* Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jeffrey H. McGee, PE — Name - Title
Signature
04/28/26 — Date

Project Title: 25-038 Peach State Construction Office Report date: 04/28/26
Data filename: Z:\2026 CAD\M26024 Peach State Office Building\WORKING DRAWINGS\ELEC\LIGHTING\Peach State Office COMcheck.cck

COMcheck Software Version 4.1.5.5
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: 25-038 Peach State Construction Office
Project Type: New Construction
Exterior Lighting Zone 1 (Developed area on forest land (LZ1))

Construction Site:
265 PIPER ROAD
COVINGTON, GA 30114

Owner/Agent:
PEACH STATE CONSTRUCTION CO.
7260 WILLIAMS BROTHER DR
COVINGTON, GA 30014

Designer/Contractor:
Electrical Design Consultants
175 New Street
Suite 1
Macon, GA 31201

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Front Canopy (Entry canopy)	478 ft2	0.25	Yes	120
Rear Canopy (Entry canopy)	1002 ft2	0.25	Yes	250
Exterior Perimeter (Walkway < 10 feet wide)	250 ft of	0.7	Yes	175
		Total Tradable Watts (a) =		545
		Total Allowed Watts =		545
		Total Allowed Supplemental Watts (b) =		500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Front Canopy (Entry canopy 478 ft2): Tradable Wattage				
OC: OC: ARCHITECTURAL SCONCE: LED Other Fixture Unit 60W:	1	5	60	300
Rear Canopy (Entry canopy 1002 ft2): Tradable Wattage				
OA: OA: 6 IN. DOWNLIGHT: LED Other Fixture Unit 25W:	1	15	23	345
Exterior Perimeter (Walkway < 10 feet wide 250 ft of walkway length): Tradable Wattage				
OB: OB: ARCHITECTURAL WALL PACK: LED Other Fixture Unit 40W:	1	9	41	369
		Total Tradable Proposed Watts =		1014

Exterior Lighting PASSES: Design 3% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in *COMcheck* Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: 25-038 Peach State Construction Office Report date: 04/28/26
Data filename: Z:\2026 CAD\M26024 Peach State Office Building\WORKING DRAWINGS\ELEC\LIGHTING\Peach State Office COMcheck.cck

Jeffrey H. McGee, PE — Name - Title
Signature
04/28/26 — Date

Project Title: 25-038 Peach State Construction Office Report date: 04/28/26
Data filename: Z:\2026 CAD\M26024 Peach State Office Building\WORKING DRAWINGS\ELEC\LIGHTING\Peach State Office COMcheck.cck

ALPHA BLDG SET 06-18-2026

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GEORGIA REGISTERED PROFESSIONAL ENGINEER JEFFREY H. McGEE
04/24/26

PROJECT NUMBER: 25-038

REVISIONS NO. DATE: ISSUE:

PEACH STATE CONSTRUCTION COMPANY OFFICE
265 PIPER ROAD
COVINGTON, GA 30014
NEWTON COUNTY, GEORGIA

ELECTRICAL SCHEDULES

E-402

FOR CONSTRUCTION

EDC ELECTRICAL DESIGN CONSULTANTS
ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M26024
edc1973.com

4/28/2026 12:08:43 PM C:\Users\ds2106\Documents\M26024 Peach State Office Electrical R24_twrightYAZCH.rvt