

CENTRAL PARK RESTROOMS

NEW CONSTRUCTION

COVINGTON, GEORGIA

PROJECT NUMBER 25-107

DAVID L. WOODBURN, AIA, ARCHITECT

DUBLIN, GEORGIA

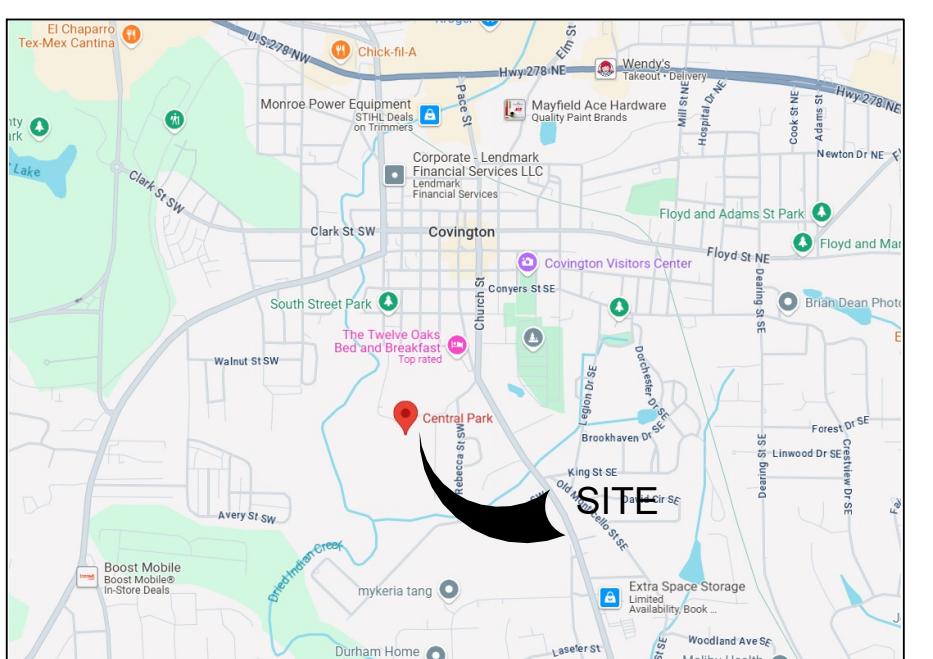
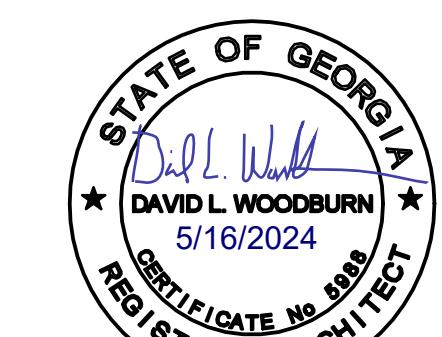
KORNEGAY ENGINEERING

STRUCTURAL

GENERAL NOTES

THESE NOTES ARE GENERAL IN NATURE AND IN NO WAY DIMINISH OTHER REQUIREMENTS OF THE CONTRACT DOCUMENTS.

1. IN THE ABSENCE OF SPECIFIC DETAILS FOR A GIVEN CONDITION, REQUIREMENTS OF SIMILAR DETAILS APPLY.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROPER ROUTING AND COORDINATION OF TRADES WITHIN THIS WORK. NO REQUEST FOR INCREASE IN CONTRACT TIME OR AMOUNT WILL BE CONSIDERED, ARISING FROM FAILURE OF THE CONTRACTOR TO PROPERLY COORDINATE TRADES AND SUB-CONTRACTORS.
3. CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS. ANY CONFLICTS BETWEEN THE DOCUMENTS AND EXISTING CONDITIONS ARE TO BE BROUGHT TO THE OWNER'S ATTENTION IMMEDIATELY. DO NOT PROCEED WITH ORDERING MATERIALS OR INSTALLING WORK SENSITIVE TO DIMENSIONS BEFORE CONFIRMING EXISTING CONDITIONS.
4. UNLESS NOTED OTHERWISE, DIMENSIONS ARE GIVEN TO THE FACE OF FRAMING.
5. THE ARCHITECT DID NOT PREPARE NOR IS HE RESPONSIBLE FOR SITE ENGINEERING, LAYOUT, OR LANDSCAPE PLANS. CONTRACTOR IS TO COORDINATE PROPER ROUTING OF UTILITIES TO THE PUBLIC UTILITY.



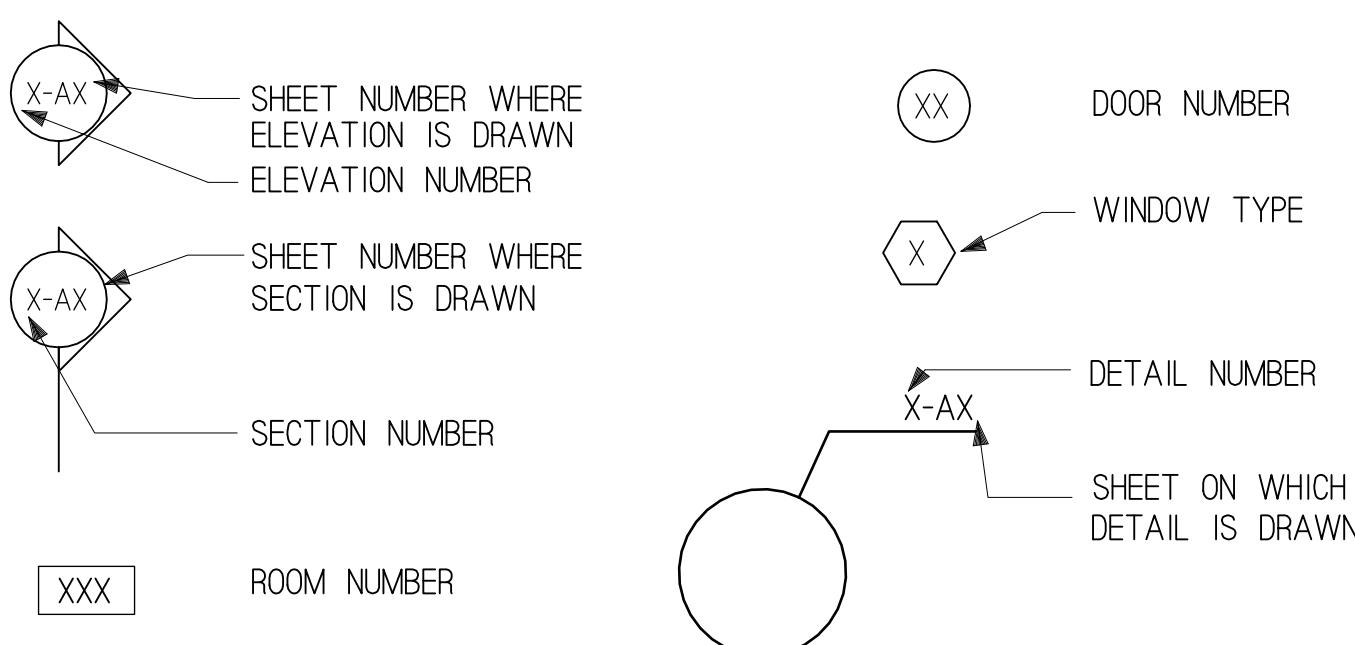
VICINITY MAP
N.T.S.

ALPHA BLDG SET 09-03-2025

MATERIAL SYMBOLS

	CONCRETE (SECTION)		FRAMING LUMBER (SECT)
	CONCRETE (PLAN)		FINISH LUMBER (SECT)
	BRICK (SECTION OR PLAN)		PLYWOOD (SECTION)
	MASONRY (ELEVATION)		BATT INSUL (SECTION)
	WOOD STUD PARTITION		SPRAY FOAM INSUL (SECTION)
	CMU (SECTION OR PLAN)		METAL (SECTION)

REFERENCE SYMBOLS



TYPICAL ABBREVIATIONS

@	AT	F.F.	FINISH FLOOR	P.L.	PROPERTY LINE
A.B.	ANCHOR BOLT	FIN.	FINISH	PLYWD.	PLYWOOD
A.F.F.	ABOVE FINISH FLOOR	FL.	FLOOR	PROJ.	PROJECTION
ALT.	ALTERNATE	F.R.	FIRE RATED	P.T.	PRESSURE TREATED
ALUM.	ALUMINUM	FT.	FOOT	PTDR	PAPER TOWEL DISPENSER
ANOD.	ANODIZED	FTD	FACIAL TISSUE DISPENSER	PTR	PAPER TOWEL RECEPTACLE
BCS	BABY CHANGING STATION	GA.	GAUGE	RAD.	RADIUS
BD.	BOARD	GALV.	GALVANIZED	R.D.	ROOF DRAIN
BET.	BETWEEN	G.B.	GRAB BAR	RECEP.	RECEP'TACLE
BLK.	BLOCK	G.C.C.B.	GLAZE COATED	REINF.	REINFORCED
B.N.	BULL NOSE	G.Y.P.	GYPSUM	REQ'D.	REQUIRED
BM.	BEAM	H.C.	HANDICAPPED ACCESSIBLE	R.H.	ROBE HOOK
BOT.	BOTTOM	H.M.	HOLLOW METAL	RM.	ROOM
C.	CHANNEL	HOL.	HOLLOW	R/W.	RIGHT OF WAY
C.	CENTERLINE	HT.	HEIGHT	S.C.	STORAGE CABINET
CAB.	CABINET	INSUL.	INSULATION	S.D.	SOAP DISPENSER
CB.	CHALKBOARD	JST.	JOIST	S.F.	SQUARE FOOT
CLG.	CEILING	J.T.	JOINT	SIM.	SIMILAR
CMU.	CONCRETE MASONRY UNIT	LAM.	LAMINATED	SND.	SANITARY NAPKIN DISPENSER
COL.	COLUMN	L.F.	LINEAL FOOT	SNR.	SANITARY NAPKIN RECEPTACLE
CONC.	CONCRETE	MANUF.	MANUFACTURER	S.F.	SQUARE FOOT
CONT.	CONTINUOUS	MAX.	MAXIMUM	S/S	STAINLESS STEEL
C.R.	CLASSROOM	MB.	MARKER BOARD	S.T.	SOAP TRAY
CTR.	CENTER	MET.	METAL	STL.	STEEL
DIA.	DIAMETER	MIN.	MINIMUM	STOR.	STORAGE
D.B.N.	DOUBLE BULL NOSE	MIR.	MIRROR	SUSP.	SUSPENDED
DET.	DETAIL	MISC.	MISCELLANEOUS	T.B.	TACK BOARD
D.F.	DRINKING FOUNTAIN	M.O.	MASONRY OPENING	T.C.	TEACHER'S CABINET
DIM.	DIMENSION	N.I.C.	NOT IN CONTRACT	TEMP.	TEMPERED
DISP.	DISPENSER	NOM.	NOMINAL	TH.	TOWEL HOLDER
EA.	EACH	N.T.S.	NOT TO SCALE	TK.	THICK
EHD.	ELECTRIC HAND DRYER	O.H.	OPPOSITE HAND	TR.	TOWEL ROD
E.J.	EXPANSION JOINT	OH.	OVERHEAD	TTD.	TOILET TISSUE DISPENSER
ELEV.	ELEVATION	O.C.	ON CENTER	TYP.	Typical
EQ.	EQUAL	O.D.	OUTSIDE DIAMETER	U.N.	UNLESS NOTED
EXP.	EXPANSION	P.	PLATE	USU.	UTILITY SHELF UNIT
EXT.	EXTERIOR	P.C.B.	PAINTED CONCRETE BLOCK	W/	WITH
F.D.	FLOOR DRAIN	P.E.J.	PREFORMED EXPANSION JOINT		
F.E.	FIRE EXTINGUISHER				

BY OTHERS
INCLUDED FOR REFERENCE

NOTE:
THESE DOCUMENTS WERE PREPARED UNDER A LIMITED SERVICES
"PLANS ONLY" AGREEMENT. THE ARCHITECT IS NOT RESPONSIBLE FOR
THE USE MADE OF THESE DOCUMENTS OR THEIR CORRECT INTERPRETATION.
ANY CONFLICTS ARE TO BE BROUGHT IMMEDIATELY TO THE ARCHITECT UPON THEIR DISCOVERY
SITWORK AND BUILDING MECHANICAL, ELECTRICAL & PLUMBING ENGINEERING ARE THE RESPONSIBILITY OF OTHERS.

BRIEF NARRATIVE

NEW BUILDING CONSTRUCTION AT AN EXISTING CITY PARK TO HOUSE PUBLIC TOILETS AND STORAGE. BUILDING IS TO HAVE MASONRY LOAD-BEARING WALLS WITH A WOOD-FRAMED ROOF. BUILDING IS TO BE SEMI-HEATED PER ASHRAE 90.1

DEFERRED SUBMITTALS

CODE DATA

CODE DATA, BUILDING B:	Business Accessory to Assembly (outdoor)
IBC OCCUPANCY TYPE:	BUSINESS (B) ACCESSORY TO ASSEMBLY A-5
NPFA CONSTRUCTION TYPE:	V(000) - COMBUSTIBLE ROOF
IBC CONSTRUCTION TYPE:	V-B
BUILDING IS NOT FIRE SPRINKLED	
TABULAR ALLOWABLE AREA PER IBC:	9,000 SF
FRONTAGE INCREASE NOT APPLICABLE	
GROSS FLOOR AREA ENCLOSED =	450 SF
OCCUPANT LOAD - STORAGE 249 S.F. @ 300 S.F. GROSS =	1
OCCUPANT LOAD - TOILET ROOMS 112 S.F. @ 15 =	8
TOTAL CALCULATED OCCUPANT LOAD	9

COMPLY WITH THE FOLLOWING CODES & STANDARDS:
INTERNATIONAL BUILDING CODE, 2018 EDITION AS AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL PLUMBING CODE, 2018 EDITION AS AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL FUEL GAS CODE, 2018 EDITION AS AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL MECHANICAL CODE, 2018 EDITION AS AMENDED BY THE STATE OF GEORGIA
NATIONAL ELECTRICAL CODE, 2023 EDITION AS AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL ENERGY CONSERVATION CODE, 2018 EDITION AS
AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL FIRE CODE, 2018 EDITION AS ADOPTED & AMENDED BY THE RULES
& REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-04(3)
NFPA 101 LIFE SAFETY CODE, 2021 EDITION AS ADOPTED & AMENDED BY THE RULES
& REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-04(2)
THE ADA STANDARDS FOR ACCESSIBLE DESIGN, AS ADOPTED & AMENDED BY THE RULES
& REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-20-02(2W)
RULES & REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-3 (STATE
MINIMUM FIRE SAFETY STANDARDS)
RULES & REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-20 (ACCESS
TO AND USE OF PUBLIC FACILITIES BY HANDICAPPED PERSONS)

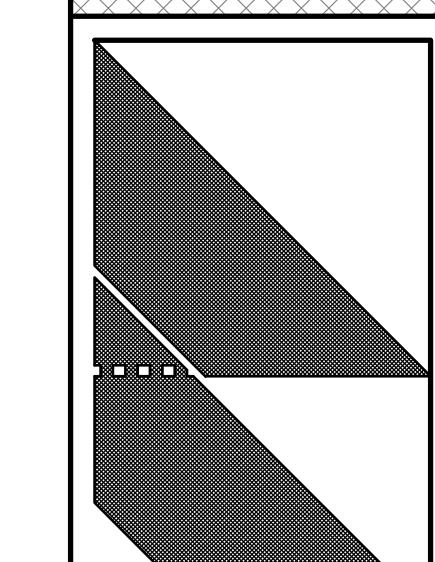
REVISED 10/10/2025
AHJ COMMENTS

INDEX OF DRAWINGS

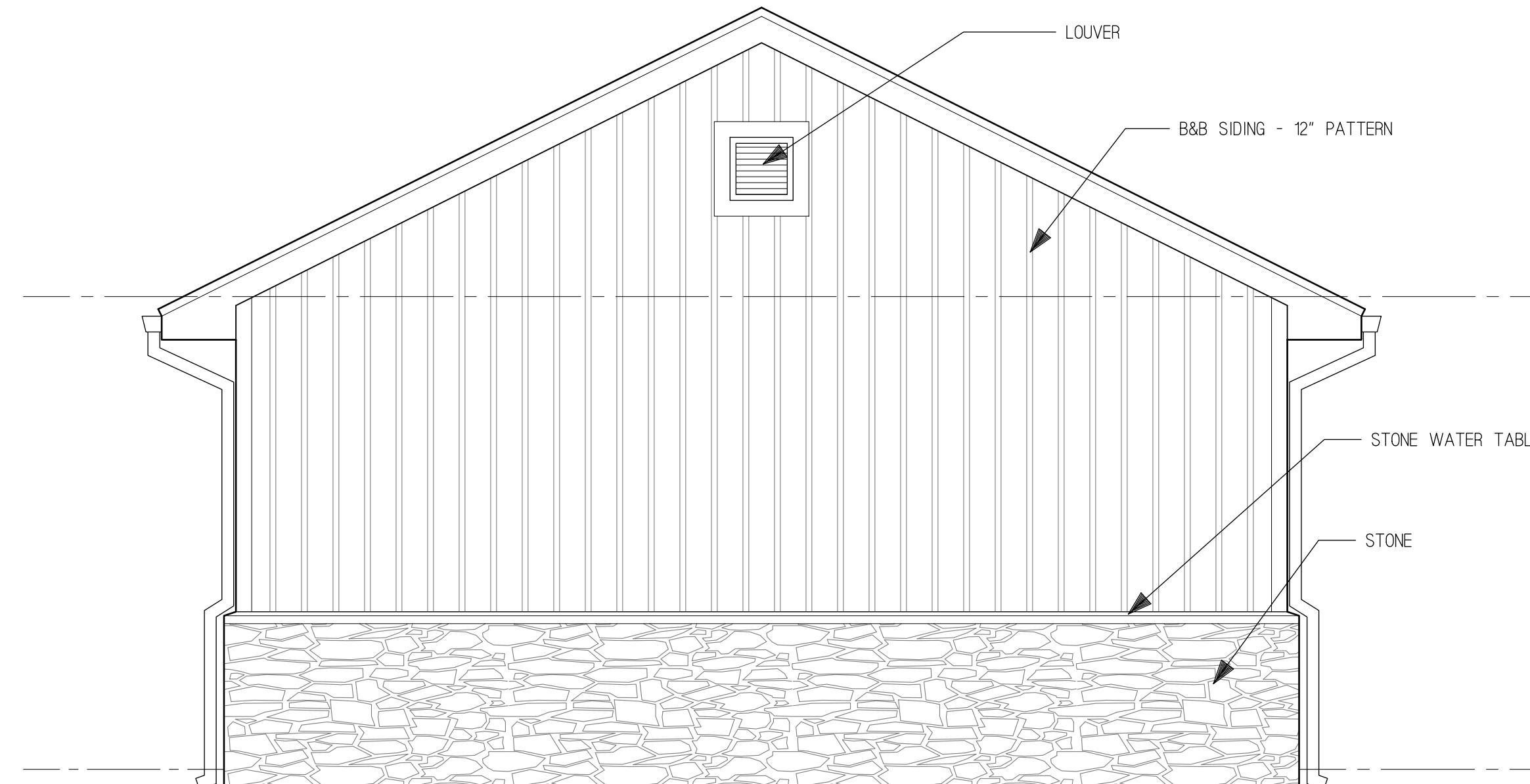
A-0	COVER SHEET
A-1	OVERALL FIRST FLOOR PLAN, EXTERIOR ELEVATIONS
A-2	LIFE SAFETY PLAN, NOTES & LEGEND, EXTERIOR ELEVATION
A-3	DOOR, HARDWARE, ROOM FINISH & WINDOW SCHEDULES, DETAILS, REFLECTED CEILING PLAN
A-4	WALL SECTIONS
A-5	WALL SECTIONS, WINDOW DETAILS
S-0	STRUCTURAL NOTES, STANDARD DETAILS
S-1	FOUNDATION & FRAMING PLANS, BASE BID
S-2	FOUNDATION & FRAMING PLANS, ALTERNATE
S-3	STRUCTURAL DETAILS
P-0.1	PLUMBING SPECIFICATIONS, NOTES, SCHEDULES, LEGEND & ABBREVIATIONS
P-1.1	HVAC FLOOR PLANS
M-0.1	HVAC SPECIFICATIONS, NOTES, SCHEDULES, LEGEND & ABBREVIATIONS
M-1.1	HVAC FLOOR PLANS
E-1.1	ELECTRICAL SPECIFICATIONS, LEGEND, DETAILS, LIGHTING SCHEDULE
E-2.1	ELECTRICAL PLANS, DETAILS, NOTES & MECHANICAL POWER SCHEDULE
E-3.1	LIGHTING CERTIFICATES, PANELBOARD SCHEDULES, RISERS & DETAILS

THESE DESIGN IDEAS, LAYOUT
ARRANGEMENTS AND DRAWINGS
ARE THE PROPERTY OF
DAVID L. WOODBURN
ARCHITECT
AND SHALL NOT BE USED OR
REPRODUCED IN WHOLE OR IN
PART WITHOUT THE WRITTEN
CONSENT OF THE ARCHITECT.

CENTRAL PARK RESTROOMS
NEW CONSTRUCTION
COVINGTON, GEORGIA
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COVINGTON, GEORGIA
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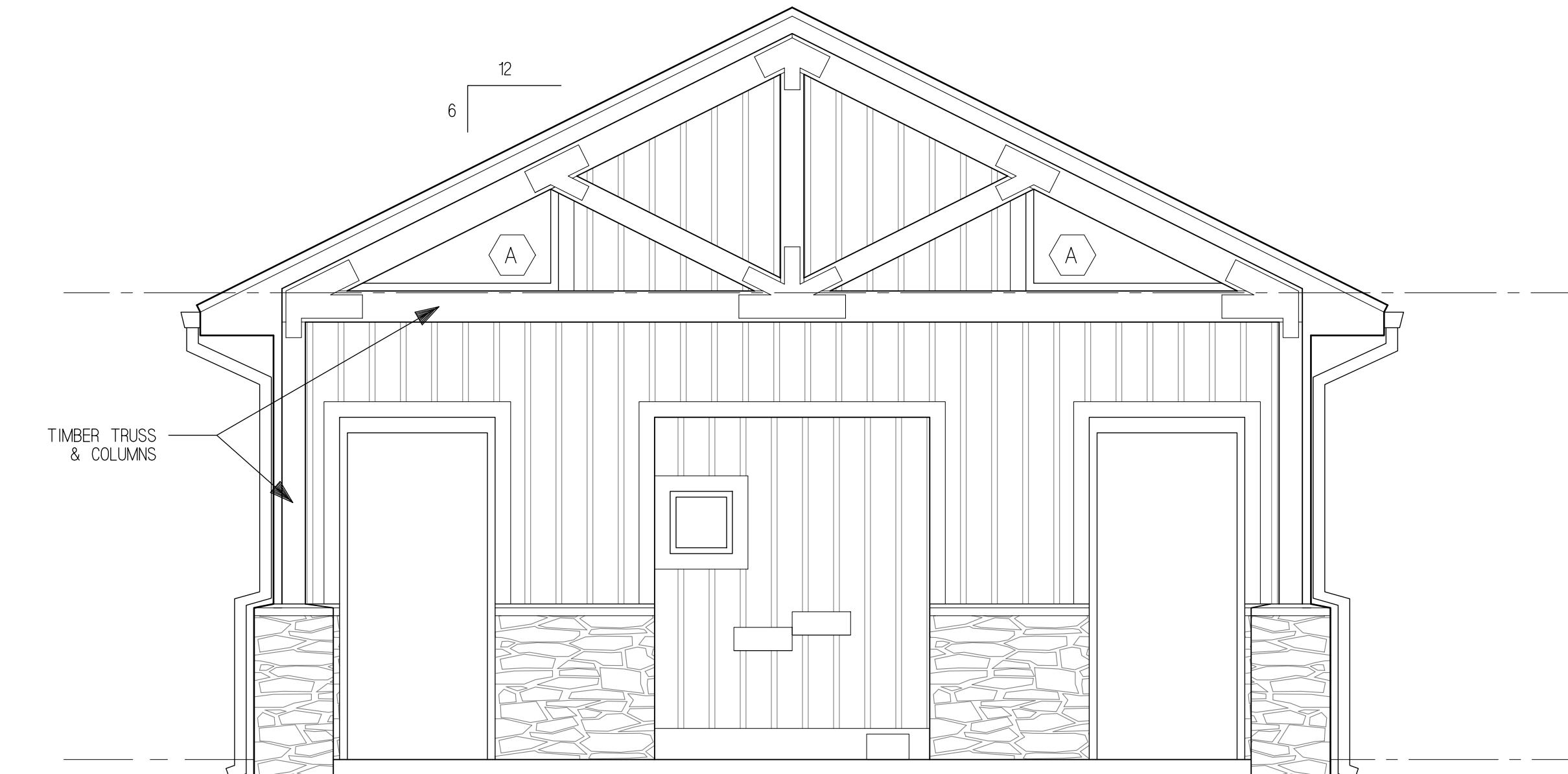


SHEET:	ISSUED FOR:
A-0	PERMITS
	DATE
	05-16-2025
	25-07
	PROJECT NO.



3 REAR ELEVATION

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



2 FRONT ELEVATION

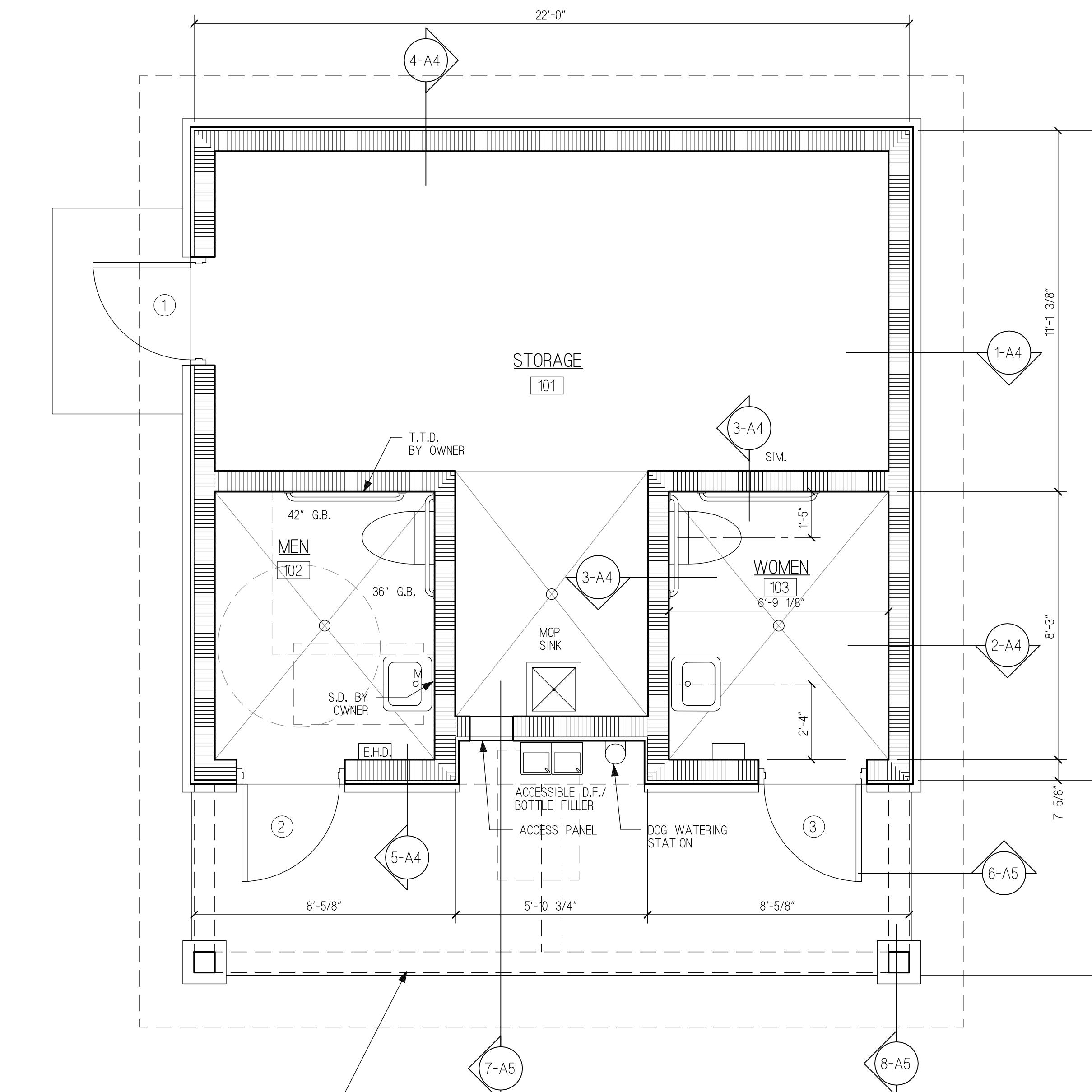
SCALE: 3/8" = 1'-0"

ALPHA BLDG SET 09-03-2025



4 SIDE ELEVATION

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



1 FLOOR PLAN

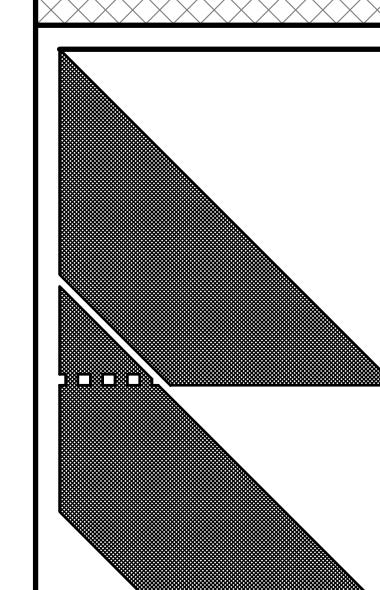
SCALE: 3/8" = 1'-0"

OVERALL

THESE DESIGN IDEAS, LAYOUT ARRANGEMENTS AND DRAWINGS ARE THE PROPERTY OF: DAVID L. WOODBURN ARCHITECT AND SHALL NOT BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.

CENTRAL PARK RESTROOMS
NEW CONSTRUCTION
GEORGIA
DAVID L. WOODBURN, AIA, ARCHITECT
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1316 BELLEVUE AVENUE
4778) 272-8392

COVINGTON
DAVID L. WOODBURN, AIA, ARCHITECT
31021 COVINGTON, GEORGIA
1316 BELLEVUE AVENUE
4778) 272-8392



A-1
SHEET: ISSUED FOR: PERMIT
DATE: 05-16-2025
PROJECT NO: 25-07
REGISTERED ARCHITECT
DAVID L. WOODBURN
5/16/2024
TOTAL NO. SHEETS
1
STATE OF GEORGIA
DAVID L. WOODBURN
5/16/2024
REGISTERED ARCHITECT
DAVID L. WOODBURN
5/16/2024
REGISTERED ARCHITECT
DAVID L. WOODBURN
5/16/2024

CODE DATA, BUILDING B:
NFPA OCCUPANCY TYPE: BUSINESS ACCESSORY TO ASSEMBLY (OUTDOOR)
IBC OCCUPANCY TYPE: BUSINESS (B) ACCESSORY TO ASSEMBLY A-5
NFPA CONSTRUCTION TYPE: V(000) - COMBUSTIBLE ROOF
IBC CONSTRUCTION TYPE: V-B

BUILDING IS NOT FIRE SPRINKLED
TABULAR ALLOWABLE AREA PER IBC: 9,000 SF
FRONTAGE INCREASE NOT APPLICABLE

GROSS FLOOR AREA ENCLOSED = 450 SF

OCCUPANT LOAD - STORAGE 249 S.F. @ 300 S.F. GROSS =
OCCUPANT LOAD - TOILET ROOMS 112 S.F. @ 15 =

TOTAL CALCULATED OCCUPANT LOAD

COMPLY WITH THE FOLLOWING CODES & STANDARDS:
INTERNATIONAL BUILDING CODE, 2018 EDITION AS AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL PLUMBING CODE, 2018 EDITION AS AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL FUEL GAS CODE, 2018 EDITION AS AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL MECHANICAL CODE, 2018 EDITION AS AMENDED BY THE STATE OF GEORGIA
NATIONAL ELECTRIC CODE, 2023 EDITION AS AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION AS
AMENDED BY THE STATE OF GEORGIA
INTERNATIONAL FIRE CODE, 2018 EDITION AS ADOPTED & AMENDED BY THE RULES
& REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-3.-04(3)
NFPA 101 LIFE SAFETY CODE, 2024 EDITION AS ADOPTED & AMENDED BY THE RULES
& REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-3.-04(72)
THE ADA STANDARDS FOR ACCESSIBLE DESIGN, AS ADOPTED & AMENDED BY THE RULES
& REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-20.-02(2)(b)
RULES & REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-3 (STATE
MINIMUM FIRE SAFETY STANDARDS)
RULES & REGULATIONS OF THE SAFETY FIRE COMMISSIONER CHAPTER 120-3-20 (ACCESS
TO AND USE OF PUBLIC FACILITIES BY HANDICAPPED PERSONS)

OFFICE INSULATION MINIMUM STANDARDS:
ROOF: R-19
EXTERIOR WALLS: R-13

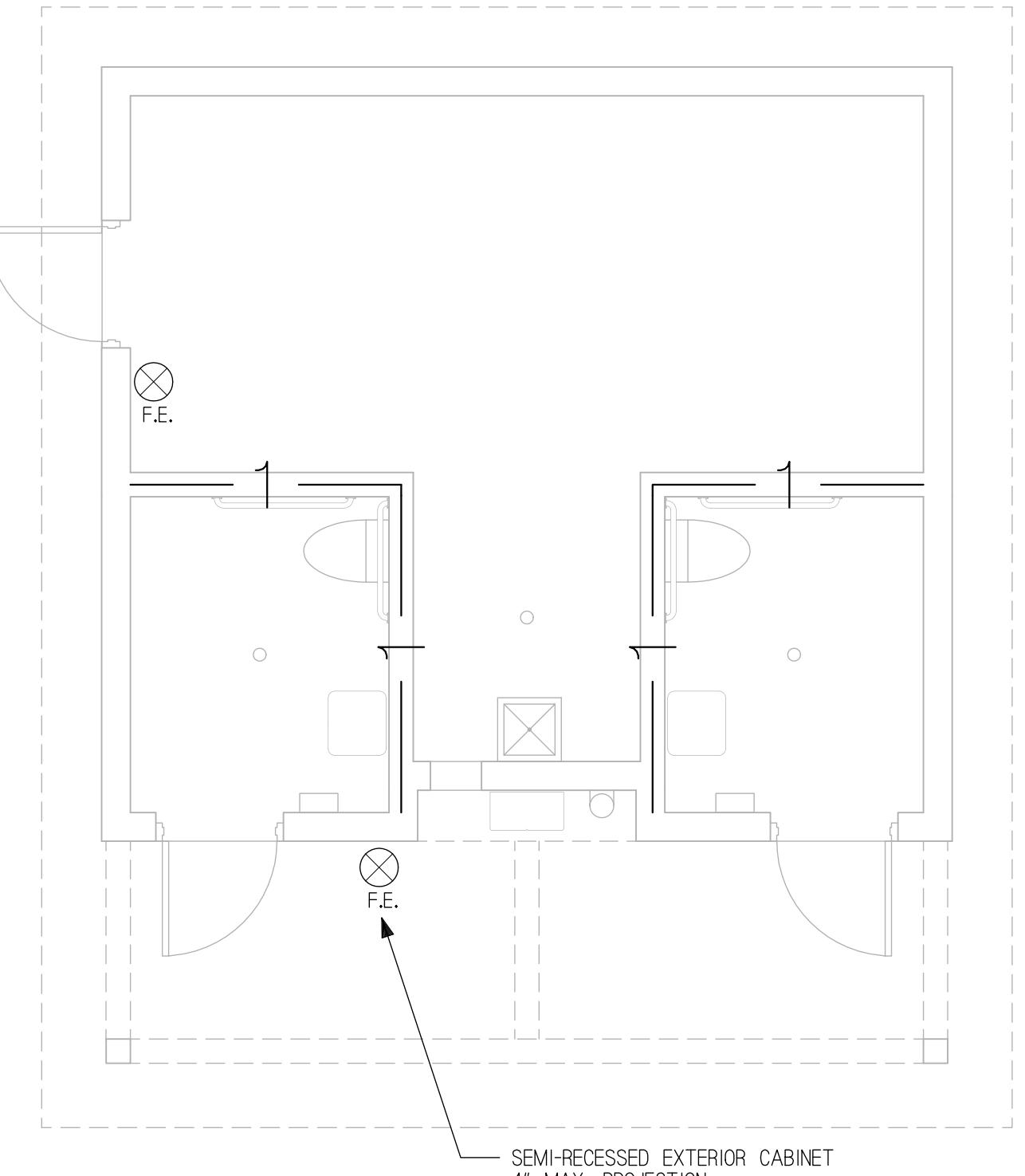
ALL INTERIOR FINISHES ARE TO BE CERTIFIED
CLASS A, B OR C IN ACCORDANCE WITH ASTM E 84.
FLAME SPREAD = 0-200
SMOKE DEVELOPED = 0-450

RATED PARTITION LEGEND

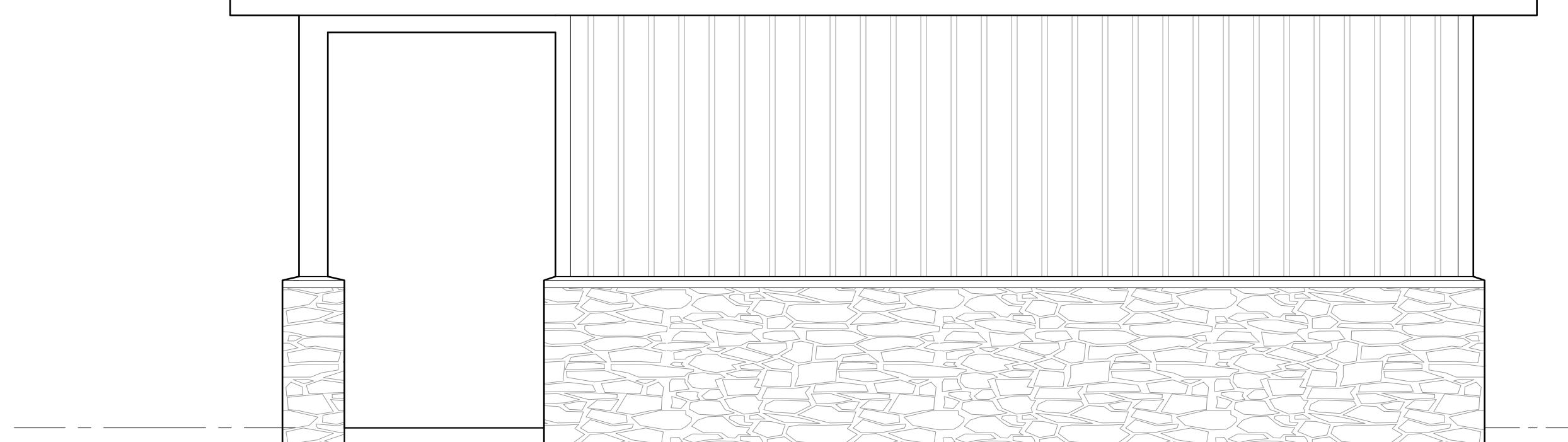
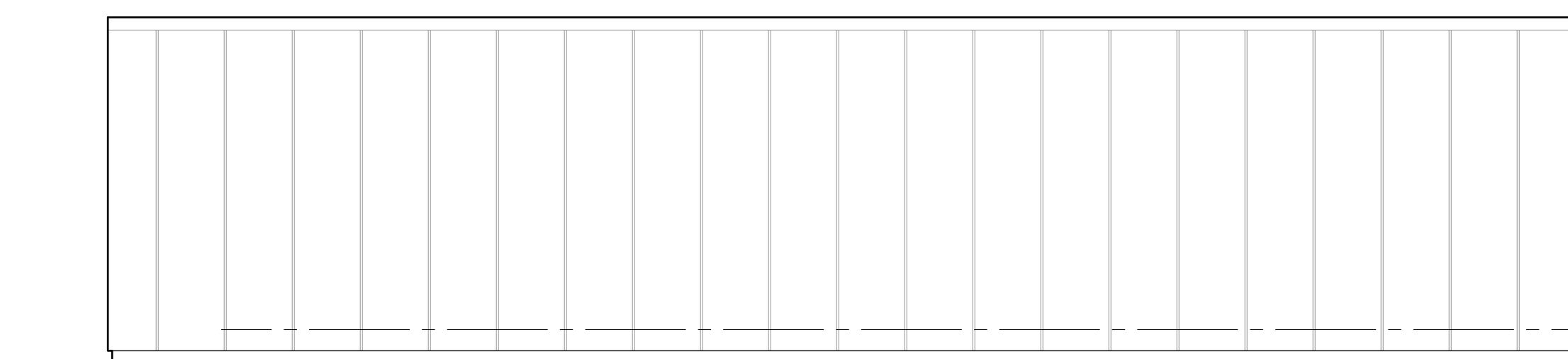
1 ONE-HOUR RATED FIRE PARTITION

ONE HOUR RATED FIRE PARTITION	1 HR. RATED WOOD STUD WALLS SHALL COMPLY WITH UL #U305 - EXTEND TO AND SEAL TO ROOF DECK ABOVE NOM. 8" CMU. 1 LAYER 5/8" F.R. GYP. BD. EA. SIDE OF WALL
 F.E.	FIRE EXTINGUISHER ALL FIRE EXTINGUISHERS REGARDLESS OF TYPE ARE CLASS ABC 10 POUND. IN OFFICE MOUNT IN SEMI-RECESSED CABINET W/ 4" MAXIMUM PROJECTION

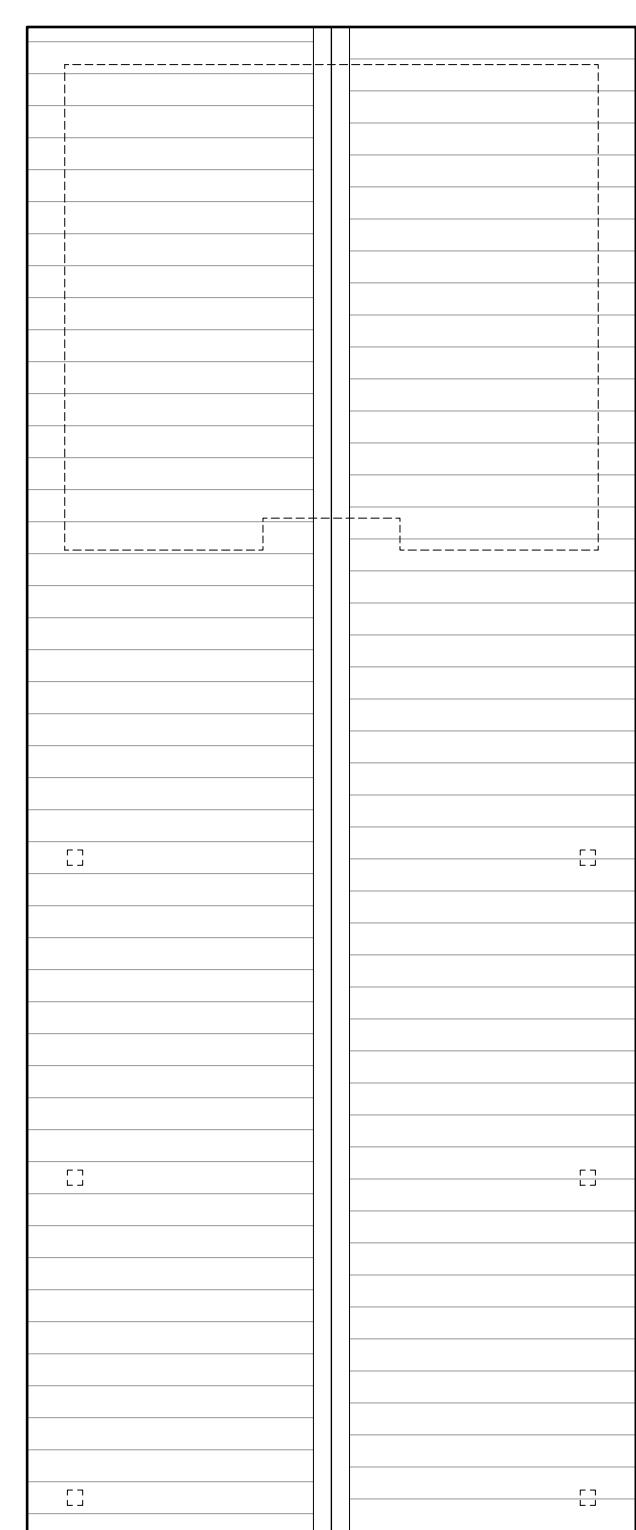
REVISED 10/10/2025
AHJ COMMENTS



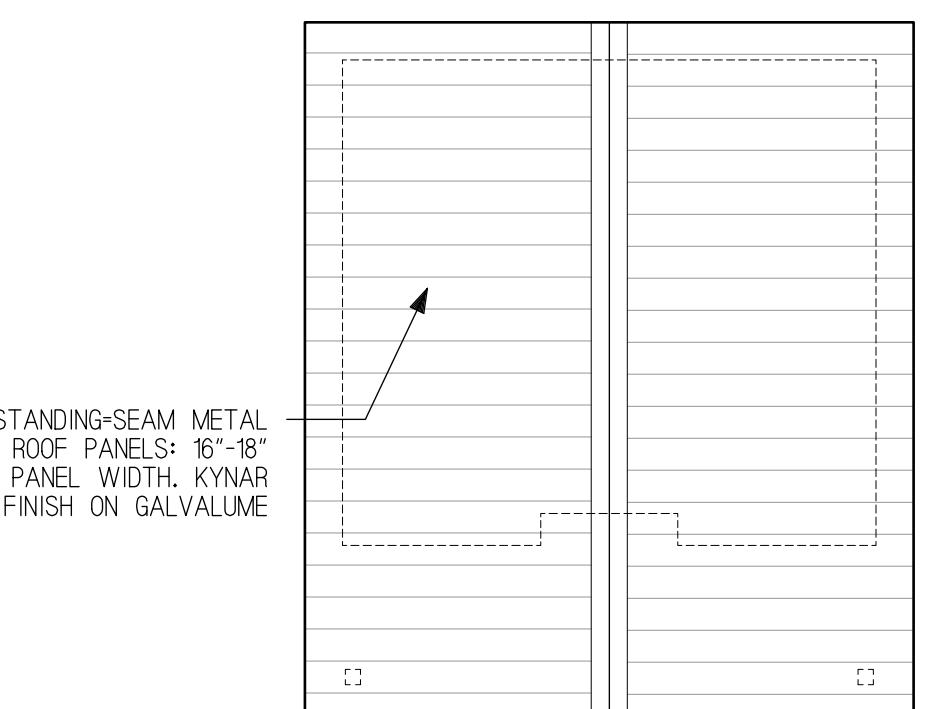
OVERALL FLOOR PLAN



SIDE ELEVATION



ROOF PLAN



ROOF PLAN

ALPHA BLDG SET 09-03-2025

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DAVID L. WOODBURN
ARCHITECT
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GEORGIA INSTITUTE (478) 272-8392

CENTRAL PARK RESTROOMS
NEW CONSTRUCTION
WOODBURN, ALA.,
L.       **31021**

COVERING
DYNAMIC
EVIEWS
1316

SHEET 1:		A-2	TOTAL 1/4" SHEETS
ISSUED - OR	PERMIT	05-16-2025	DATE
		25-107	PROJECT NO

TOILET ACCESSORY SCHEDULE		
ABBREV.	ITEM DESCRIPTION	MODEL
36" GB	36" GRAB BAR - NON SLIP GRIPPING SURFACE, CONCEALED FASTENERS.	BRADLEY 8122 - 001360
42" GB	42" GRAB BAR - NON SLIP GRIPPING SURFACE, CONCEALED FASTENERS.	BRADLEY 8122 - 001420
MIR	STAINLESS STEEL FRAMED MIRROR - 1/4" TEMPERED GLASS - 18" X 30"	BRADLEY 700-2
EHD	HIGH EFFICIENCY ELECTRIC HAND DRYER WHITE THERMOSET RESIN FINISH	XLERATORECO XL-BW-ECO
MR	MOP RACK - 4 HOLDERS ON 3' STAINLESS STEEL TRACK	BRADLEY 995-4

NOTE: MODELS ARE THE BASIS OF DESIGN FOR QUALITY AND FUNCTION. FURNISH SPECIFIED MODEL OR EQUAL.

ROOM FINISH SCHEDULE						
RM. NO.	ROOM NAME	FLOOR	BASE	WALLS	WAINGSCOT	CEILING
101	STORAGE	CONC.	R	P.C.B.	-	C.F.B. 10'-0"
102	MEN	F.R.		E.P.C.B.	-	C.F.B.
103	WOMEN	E.R.		E.P.C.B.	-	C.F.B. VARIES
						1
						1

FINISH REMARKS

1.

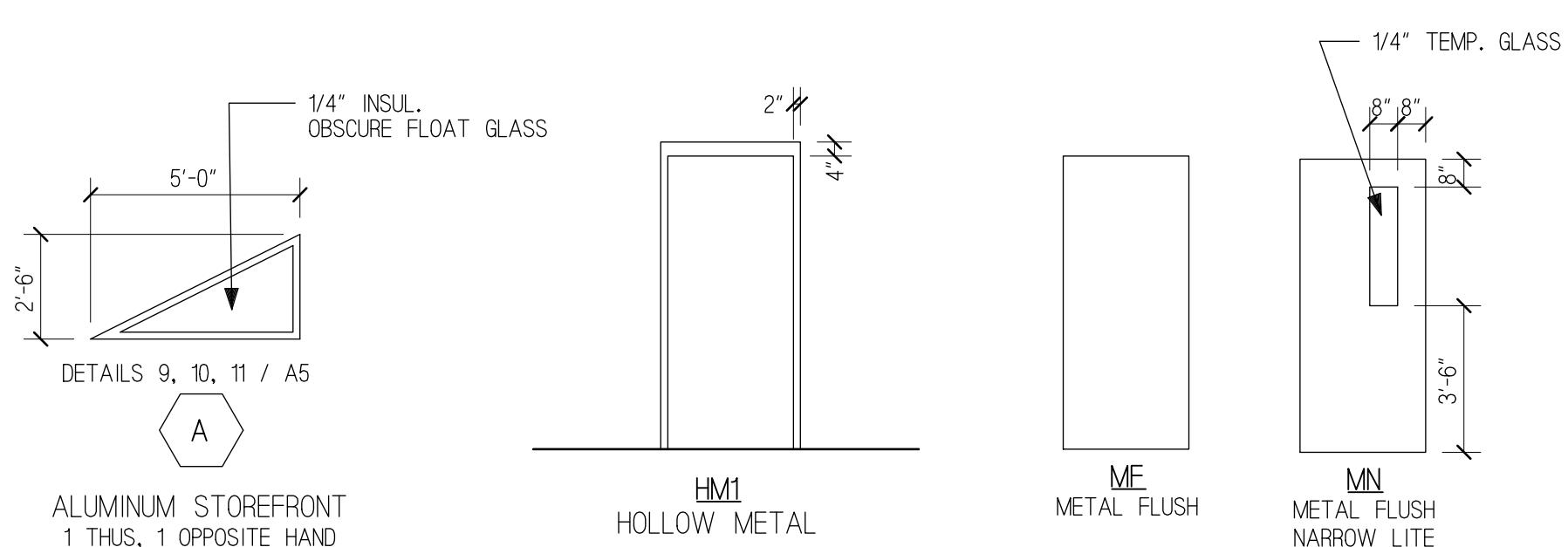
ROOM FINISH LEGEND

C.F.B. CEMENT FIBER BOARD
CONC. SEALED UNFINISHED CONCRETE
E.P.C.B. EPOXY PAINTED CONCRETE BLOCK
E.R. SEAMLESS EPOXY RESIN WITH INTEGRAL BASE
P.C.B. PAINTED CONCRETE BLOCK

DOOR SCHEDULE								
DOOR NO.	LEAF QUAN.	DOOR TYPE	SIZE		FRM. TYPE	FIRE LABEL	DOOR DETAILS	
			WIDTH	HEIGHT	THICK		REMARKS	HEAD JAMB SILL
1	2	MF	3'-0"	7'-0"	1 3/4"	HM1	-	2 4 5 6
2	1	MF	3'-0"	7'-0"	1 3/4"	HM1	-	1 4 5 6
3	1	MF	3'-0"	7'-0"	1 3/4"	HM1	-	1 1 4 5 6

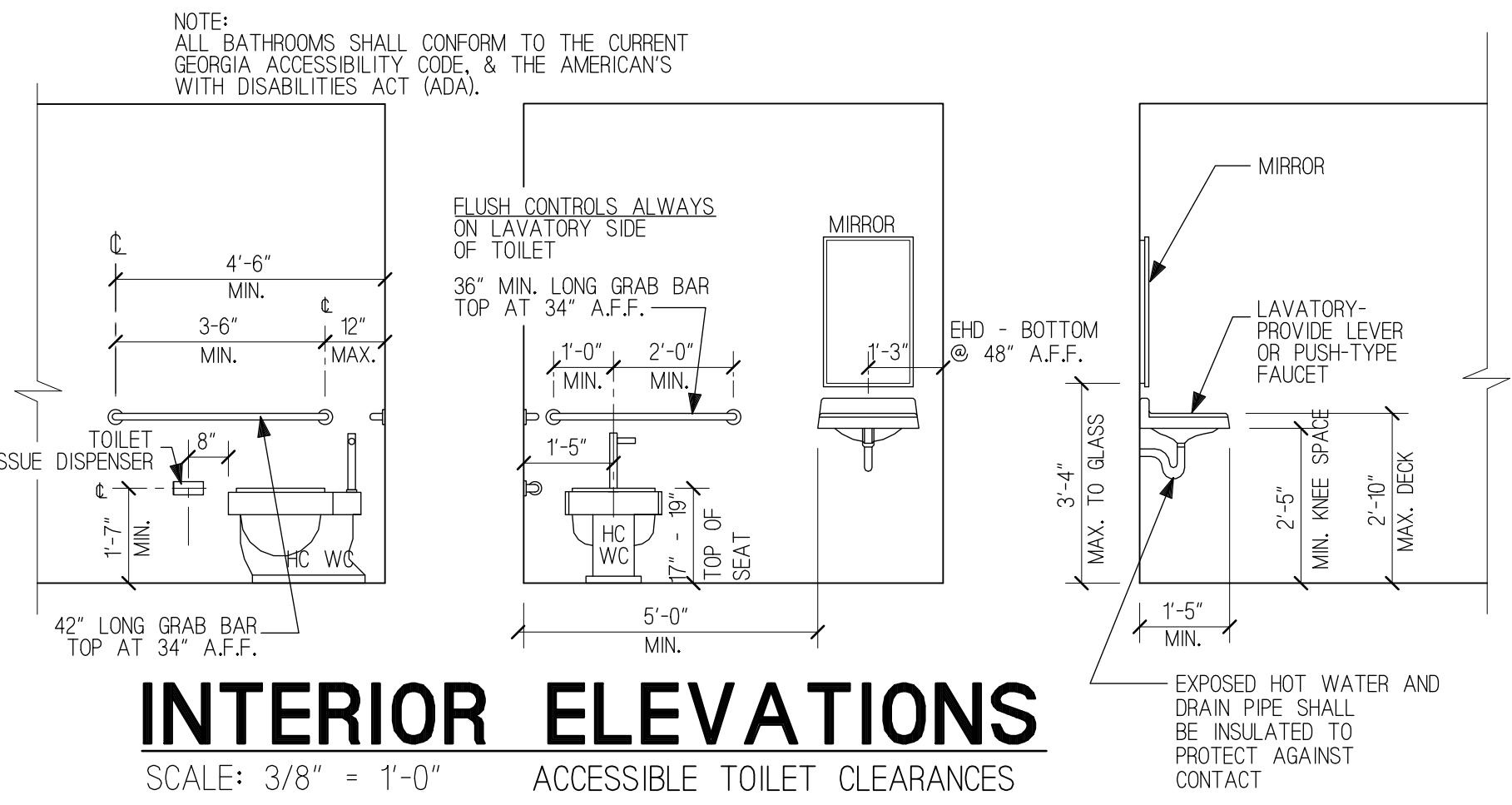
DOOR GENERAL NOTES

- ALL DOORS IN MEANS OF EGRESS TO BE OPENABLE FROM INSIDE AT ALL TIMES WITHOUT USE OF A KEY OR SPECIAL TOOL OR KNOWLEDGE.
- ALL LEVERS AND PULLS TO BE HANDICAP ACCESSIBLE.
- ALL CLOSERS PULL FORCE TO BE IN ACCORDANCE WITH THE ADA.
- ALL FIRE RATED OPENINGS ARE TO BE ASSEMBLIES TESTED IN ACCORDANCE WITH NFPA 80 FOR POSITIVE PRESSURE.
- PROVIDE WALL BUMPER TYPE STOPS WITH EVERY DOOR SWINGING AGAINST A WALL.
- SPECIFIED ITEMS ARE BASIS OF FUNCTION AND GRADE. FURNISHED SPECIFIED PRODUCT OR EQUAL.



WINDOW FRAMES DOOR FRAMES DOOR TYPES

ALPHA BLDG SET 09-03-2025



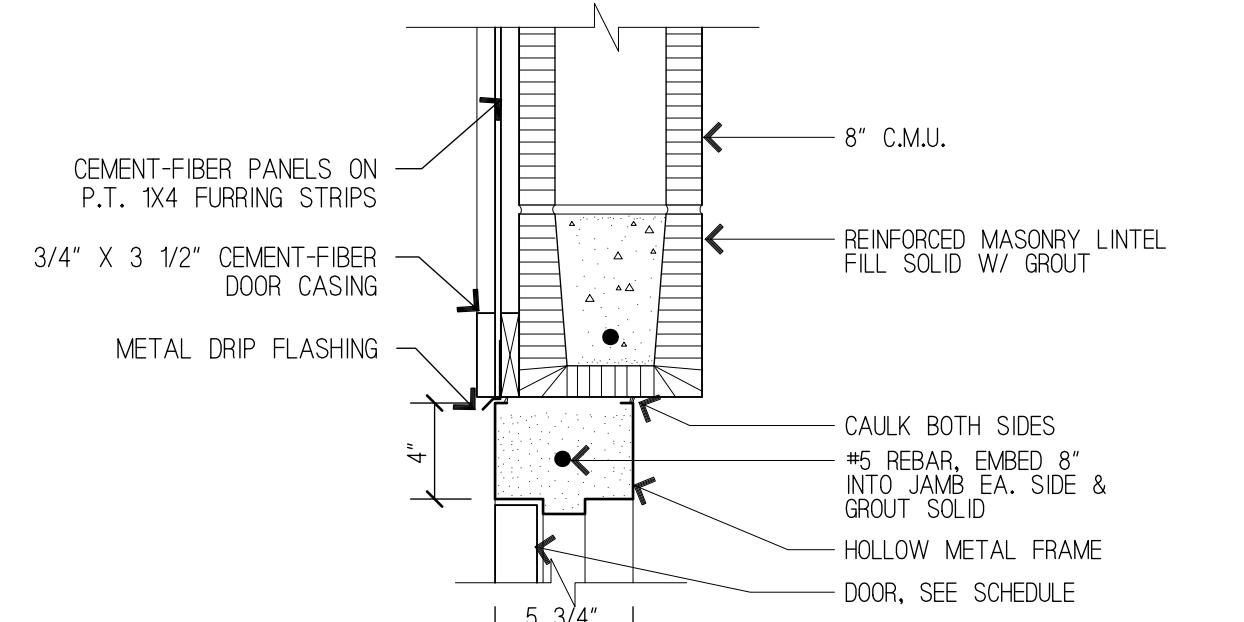
INTERIOR ELEVATIONS

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

ACCESSIBLE TOILET CLEARANCES

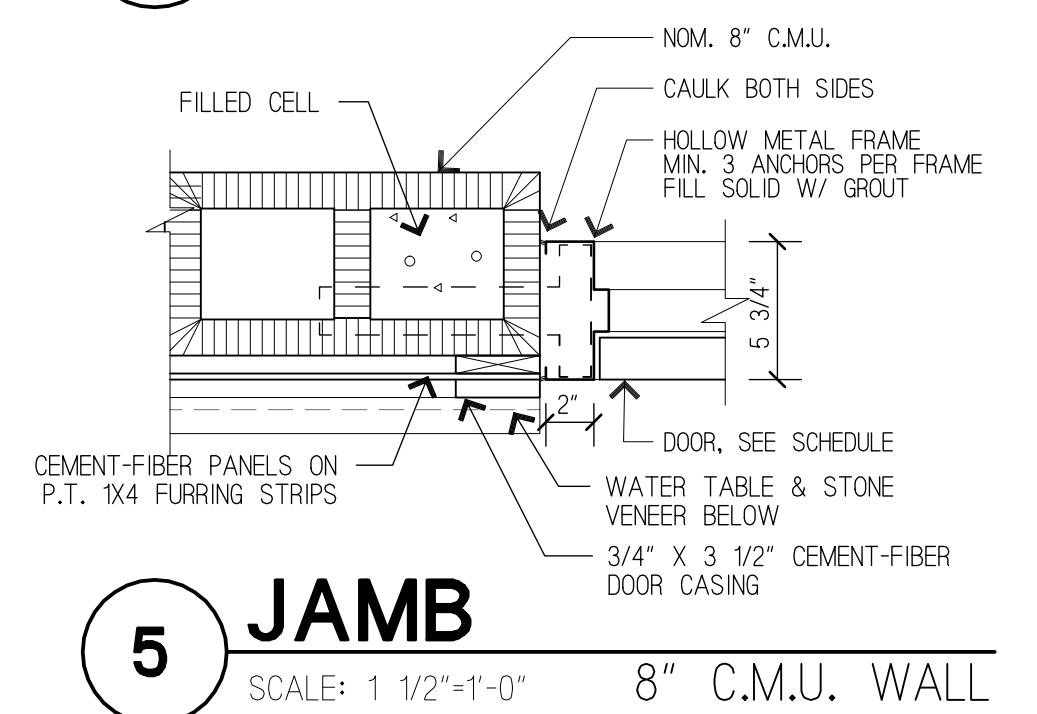
DOOR SIGN LOCATION

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



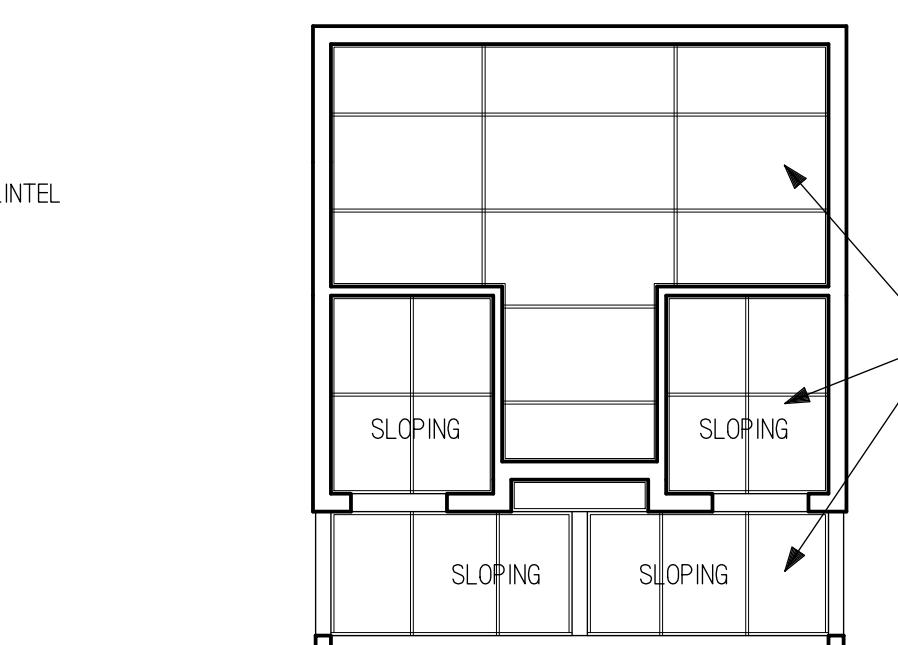
4 HEAD

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



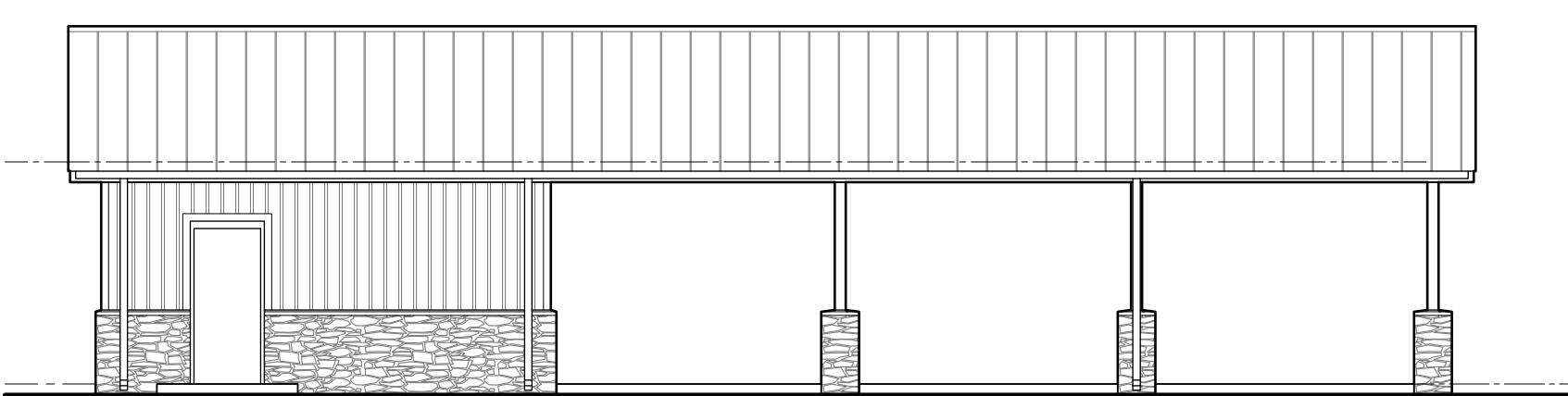
5 JAMB

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



1 REFLECTED CEILING PLAN

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

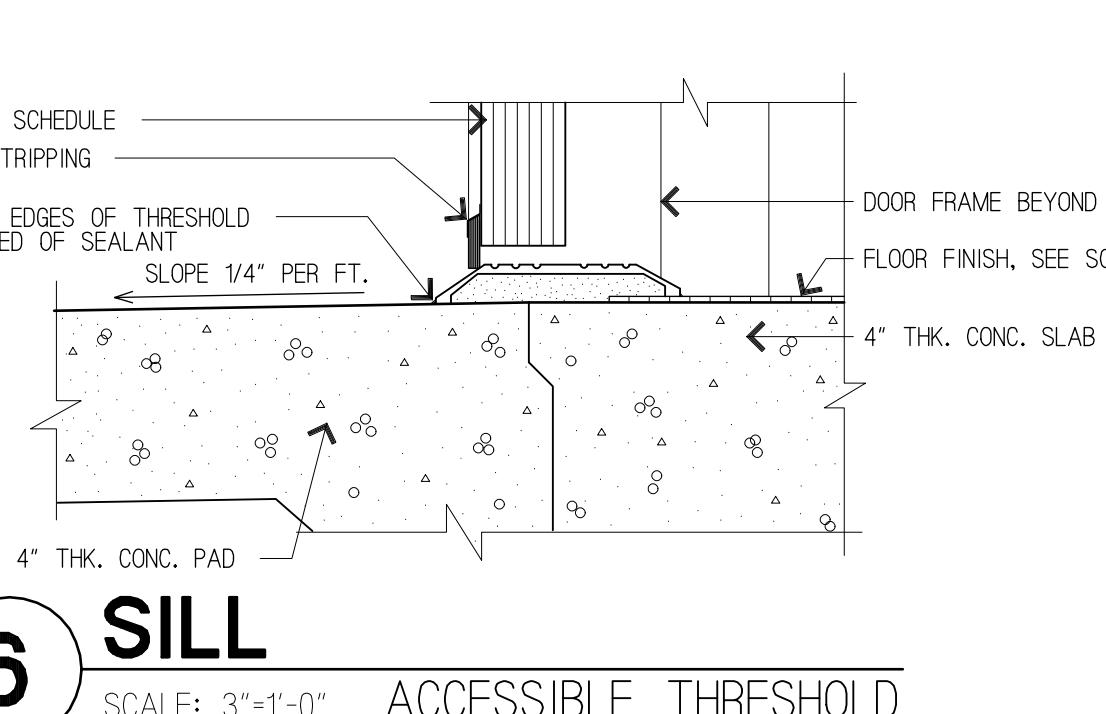


2 SIDE ELEVATION

ALTERNATE



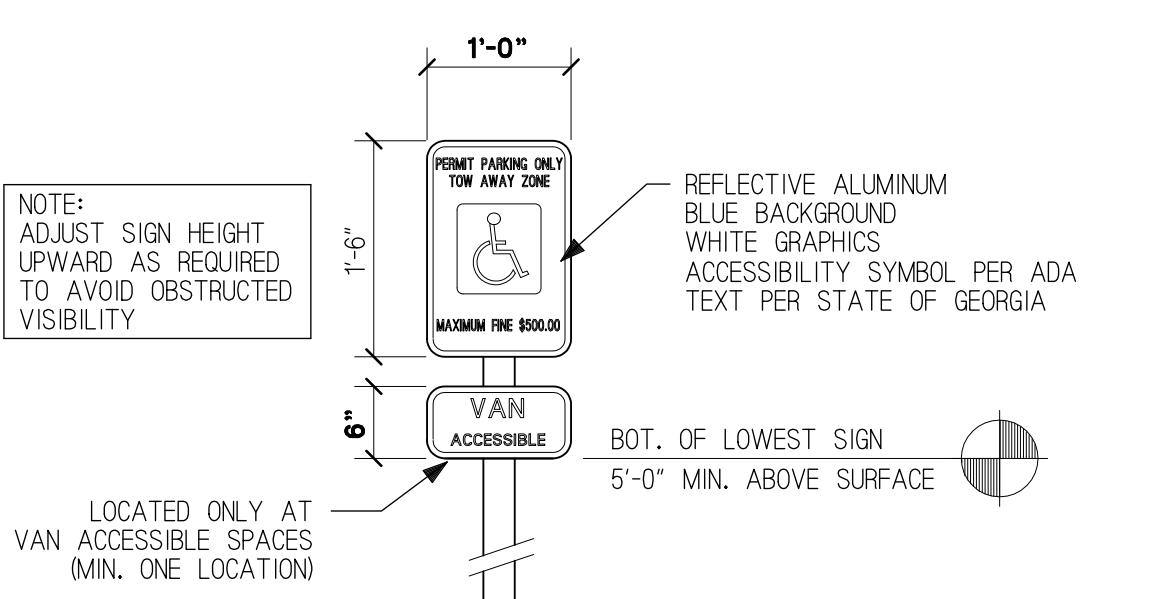
9" x 6" with ADA compliant raised copy and braille. High contrast background and characters.



6 SILL

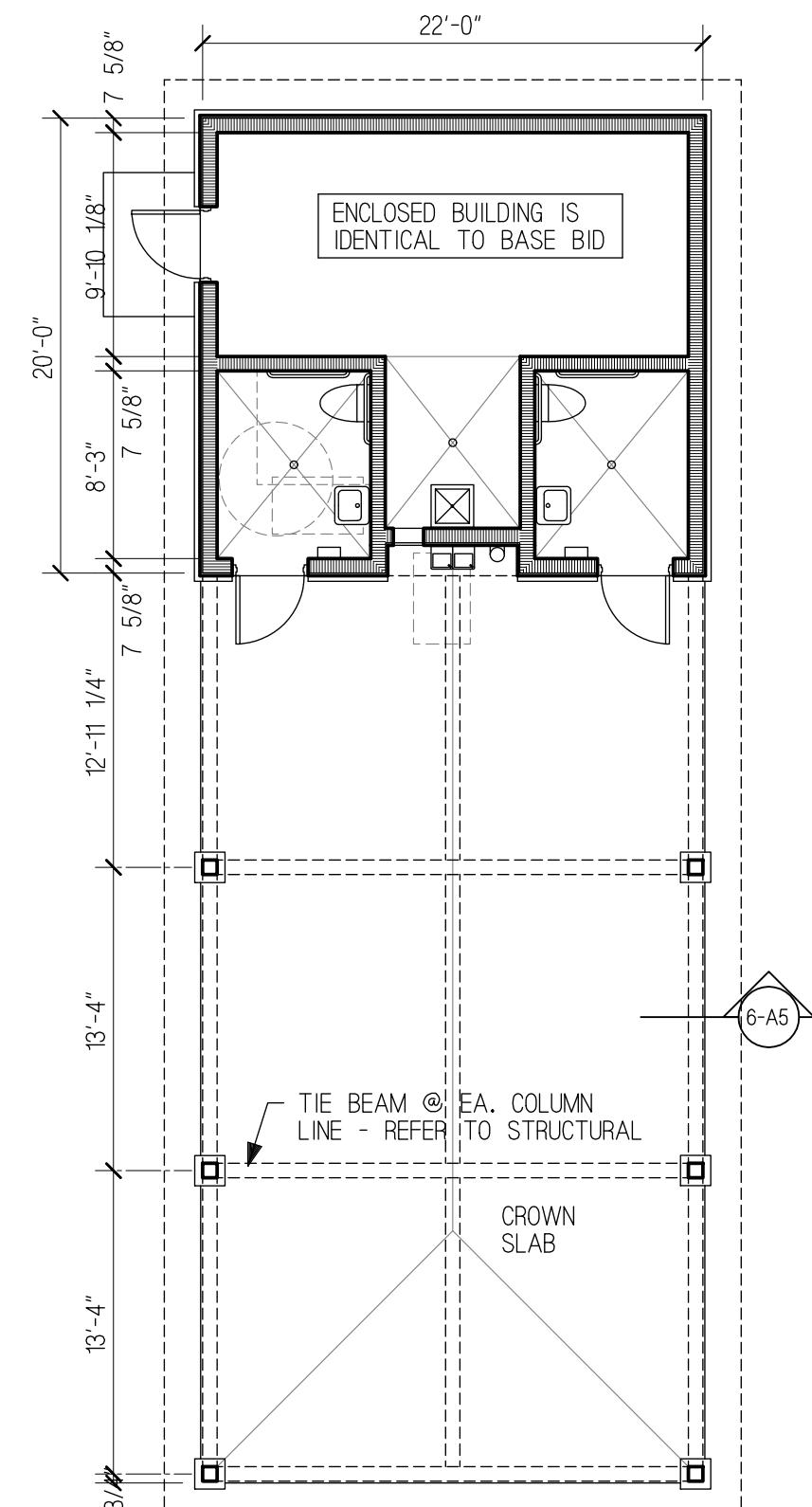
SCALE: 3" = 1'-0" ACCESSIBLE THRESHOLD

NOT TO SCALE - REFER TO PLAN FOR GENDER FOR COPY & PICTOGRAMS



ACCESS. PARKING SIGN

SCALE: 3/4" = 1'-0"



3 FLOOR PLAN

ALTERNATE

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

PROJECT NO.

DATE

05-16-2025

25-07

5/16/2024

REG. CERTIFICATE NO. 304-A-3

REGISTERED ARCHITECT

DAVID L. WOODBURN, AIA, ARCHITECT

COVINGTON, GEORGIA

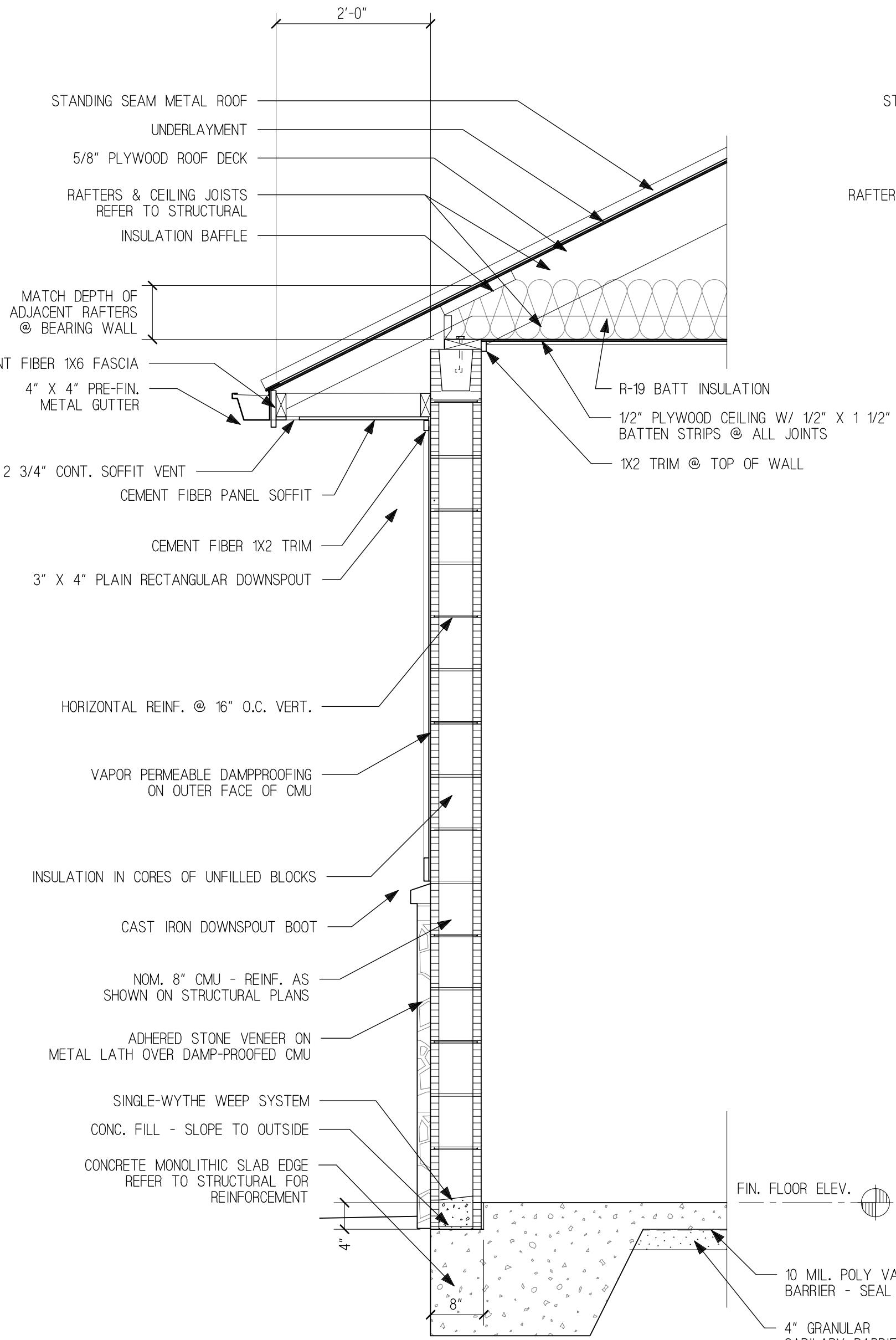
316 BELLEVUE AVENUE

THESE DESIGN IDEAS, LAYOUT ARRANGEMENTS AND DRAWINGS ARE THE PROPERTY OF:
DAVID L. WOODBURN
ARCHITECT
AND SHALL NOT BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.

CENTRAL PARK RESTROOMS
NEW CONSTRUCTION
DAVID L. WOODBURN, AIA, ARCHITECT
COVINGTON, GEORGIA
316 BELLEVUE AVENUE

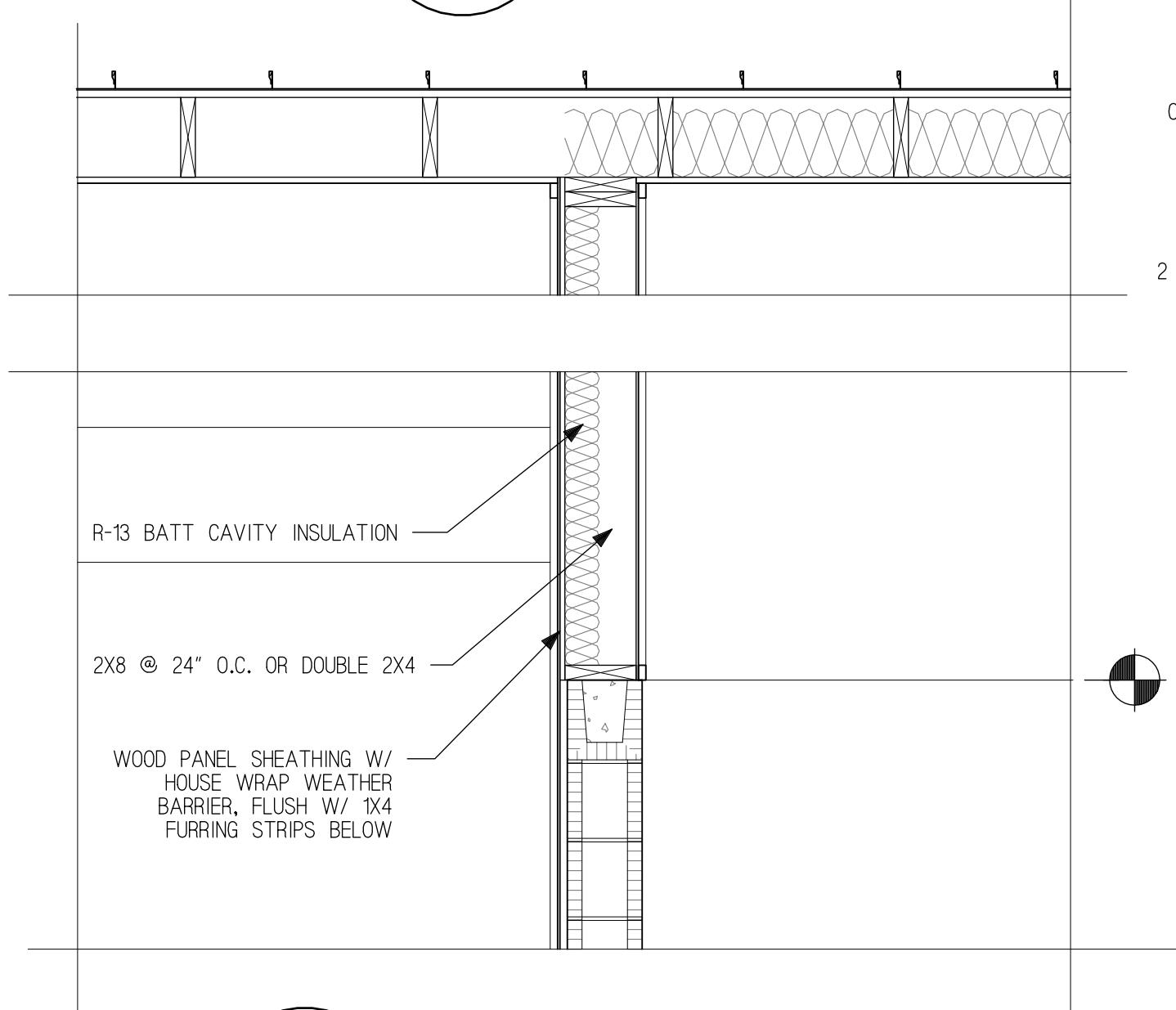
SHEET: A-3
ISSUED FOR: PERMIT
DATE: 5/16/2024
PROJECT NO.: 304-A-3
TOTAL SHEETS: 14
REGISTERED ARCHITECT: DAVID L. WOODBURN
STATE OF GEORGIA
REG. CERTIFICATE NO. 304-A-3
5/16/2024

ALPHA BLDG SET 09-03-2025



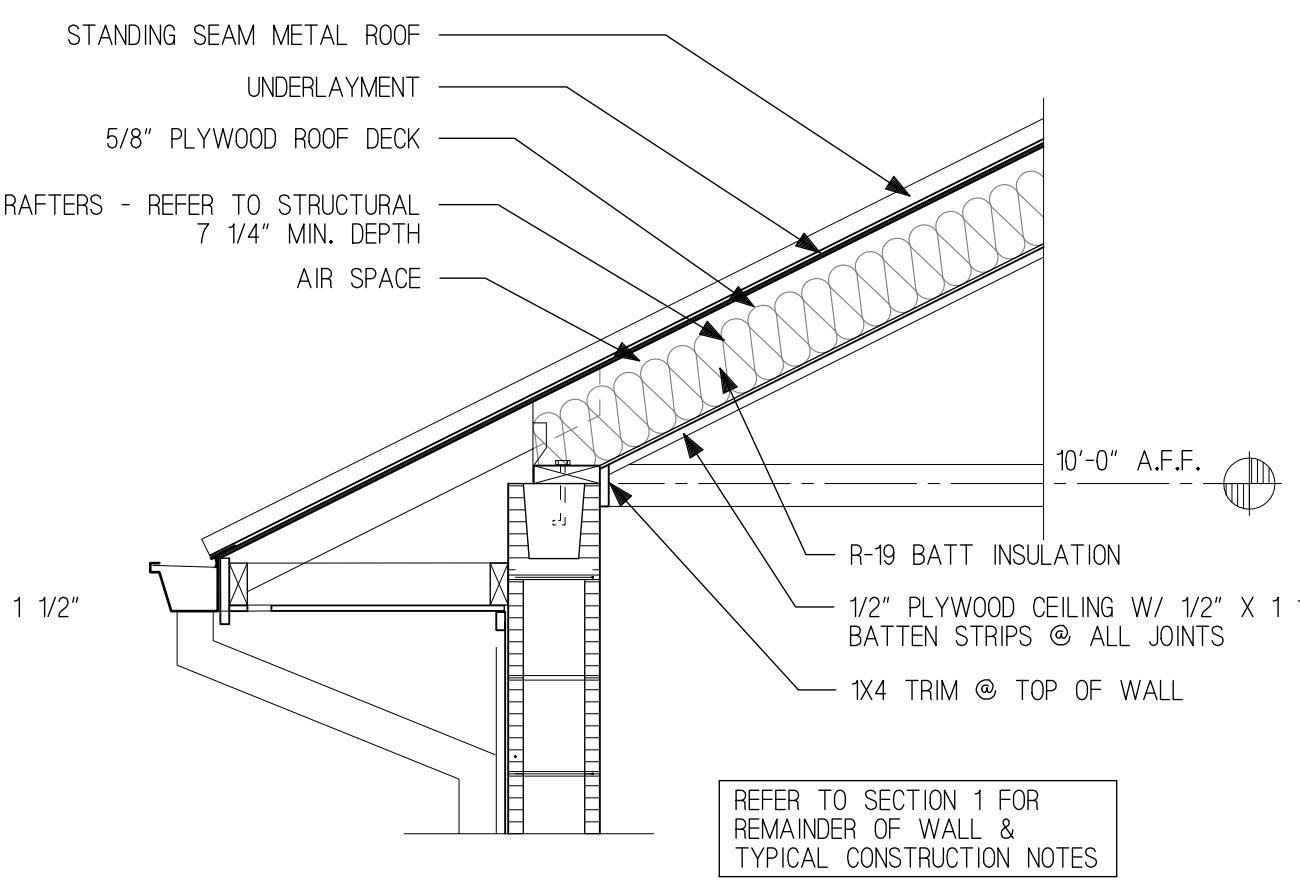
1 SECTION

SCALE: 3/4" = 1'-0" SIDEWALL @ STORAGE



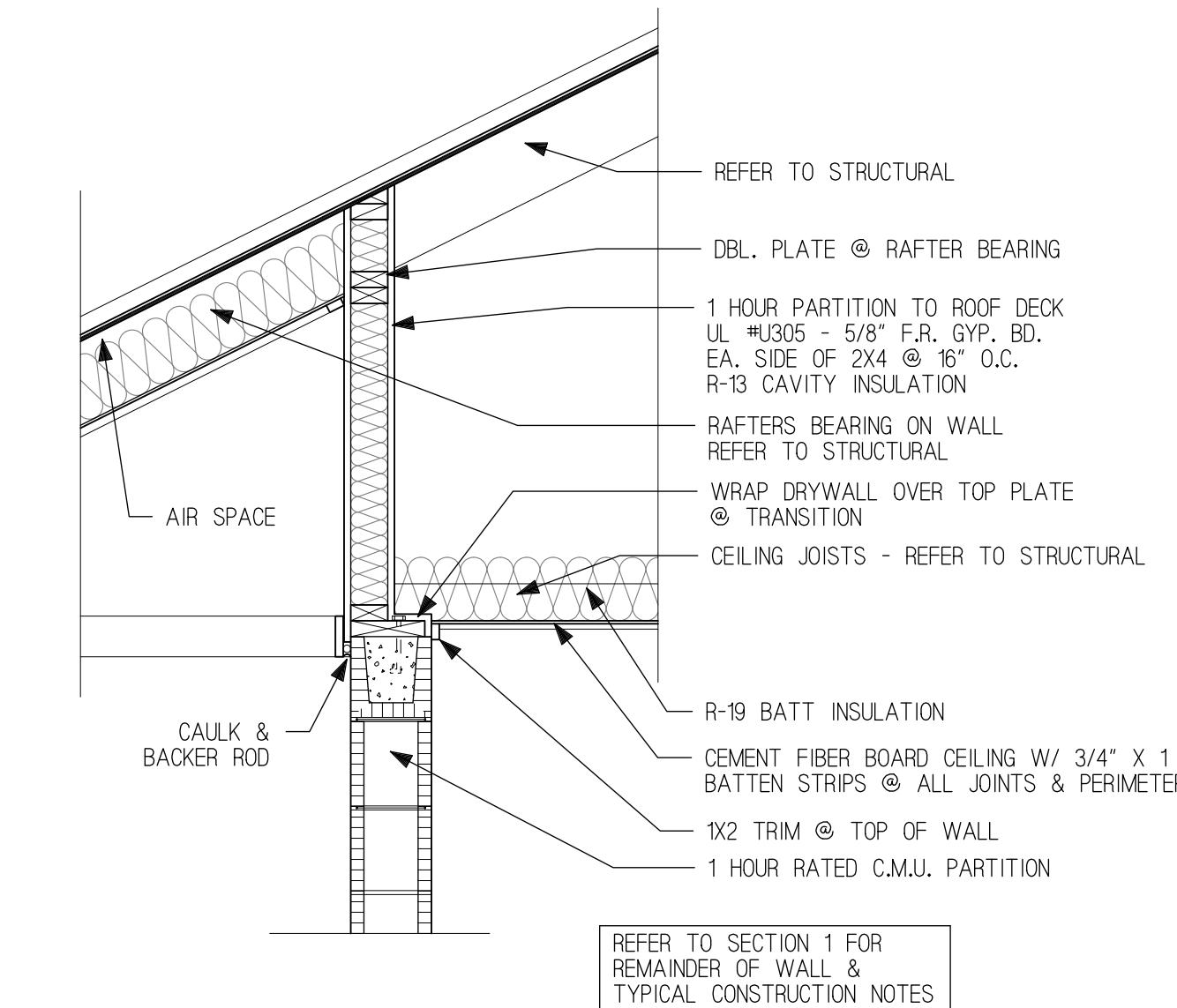
5 SECTION

SCALE: 3/4" = 1'-0" PORTICO ENDWALL @ TOILETS



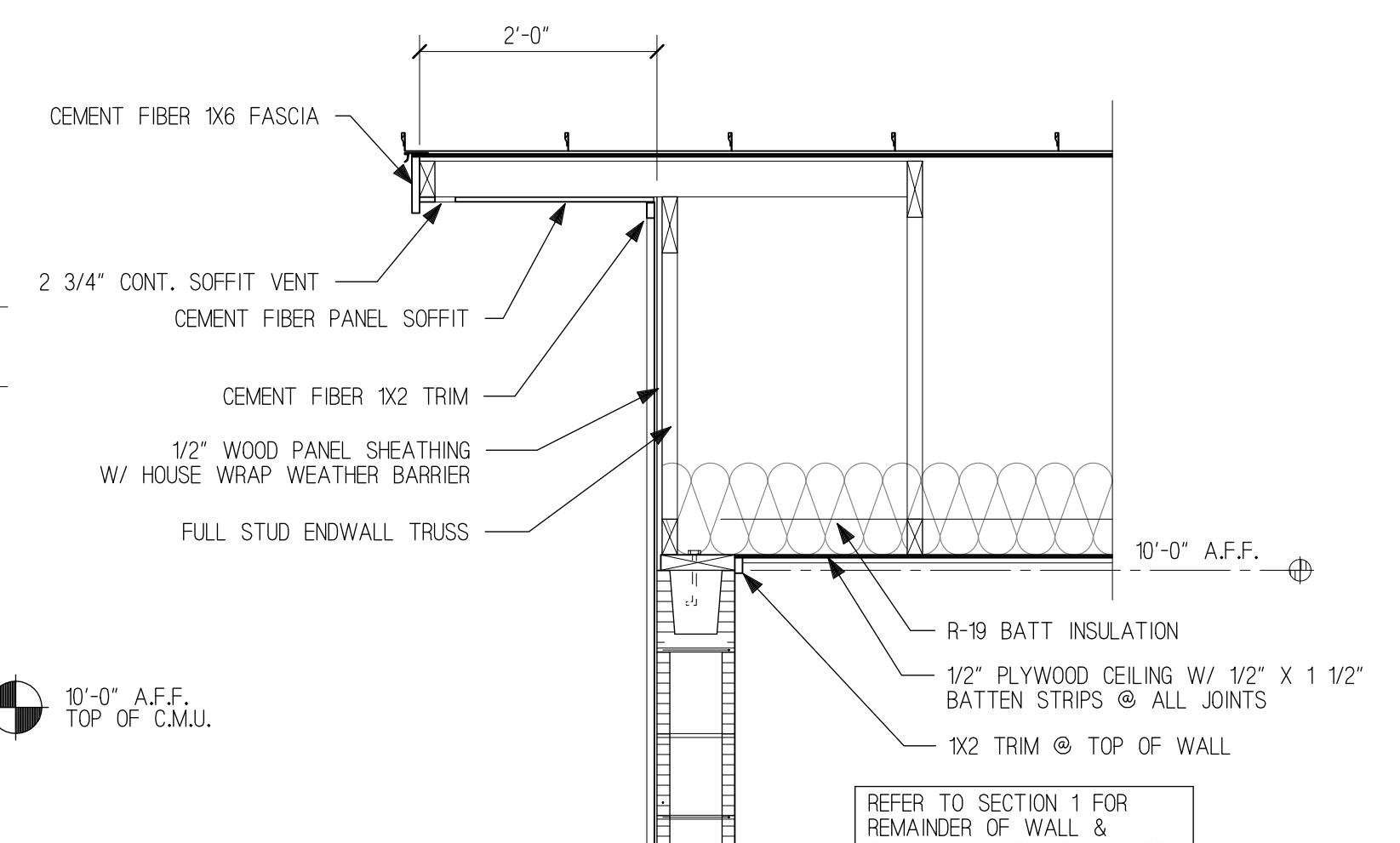
2 SECTION

SCALE: 3/4" = 1'-0" SIDEWALL @ TOILETS



3 SECTION

SCALE: 3/4" = 1'-0" RATED INTERIOR



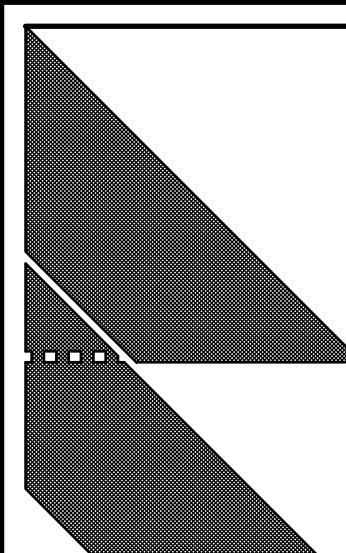
4 SECTION

SCALE: 3/4" = 1'-0" REAR ENDWALL

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DAVID L. WOODBURN
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CENTRAL PARK RESTROOMS
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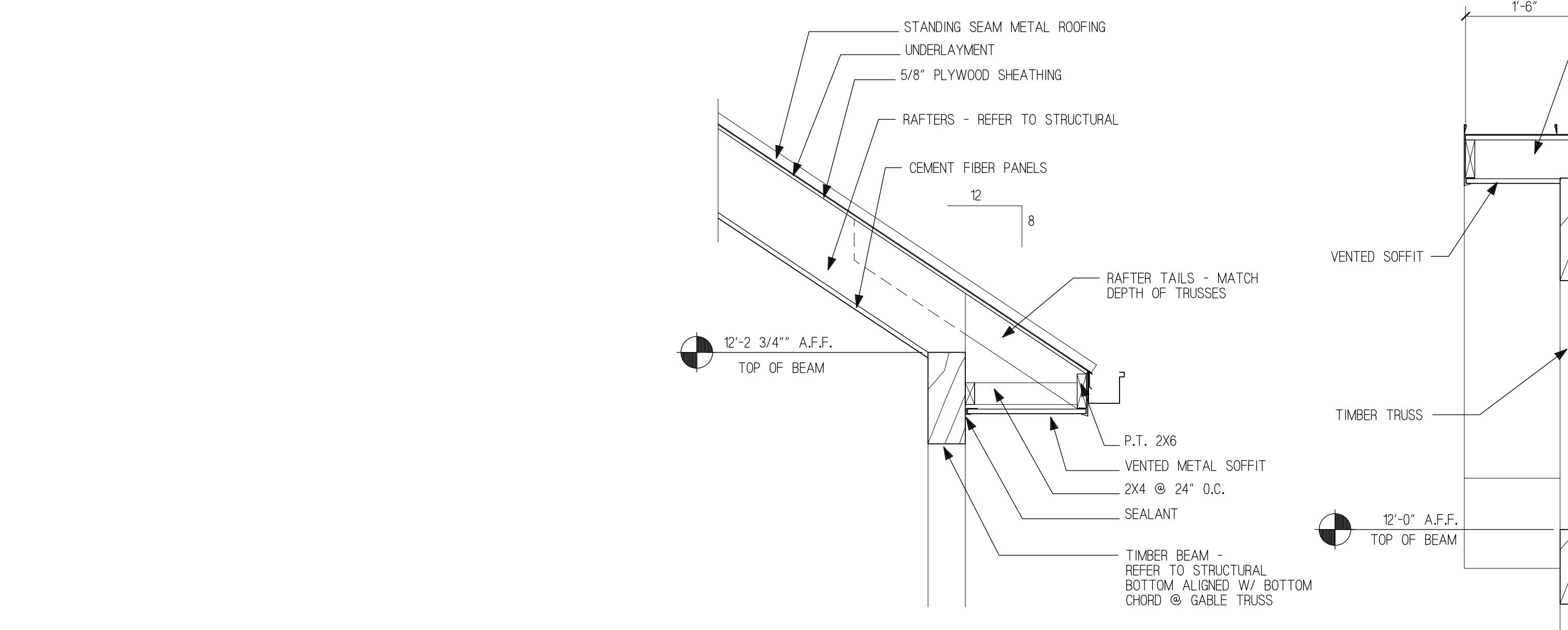


SHEET: A-4
ISSUED FOR: PERMIT
DATE: 05-16-2025
PROJECT NO: 25-07
REGISTERED ARCHITECT
DAVID L. WOODBURN
5/16/2024
TOTAL SHEETS: 104

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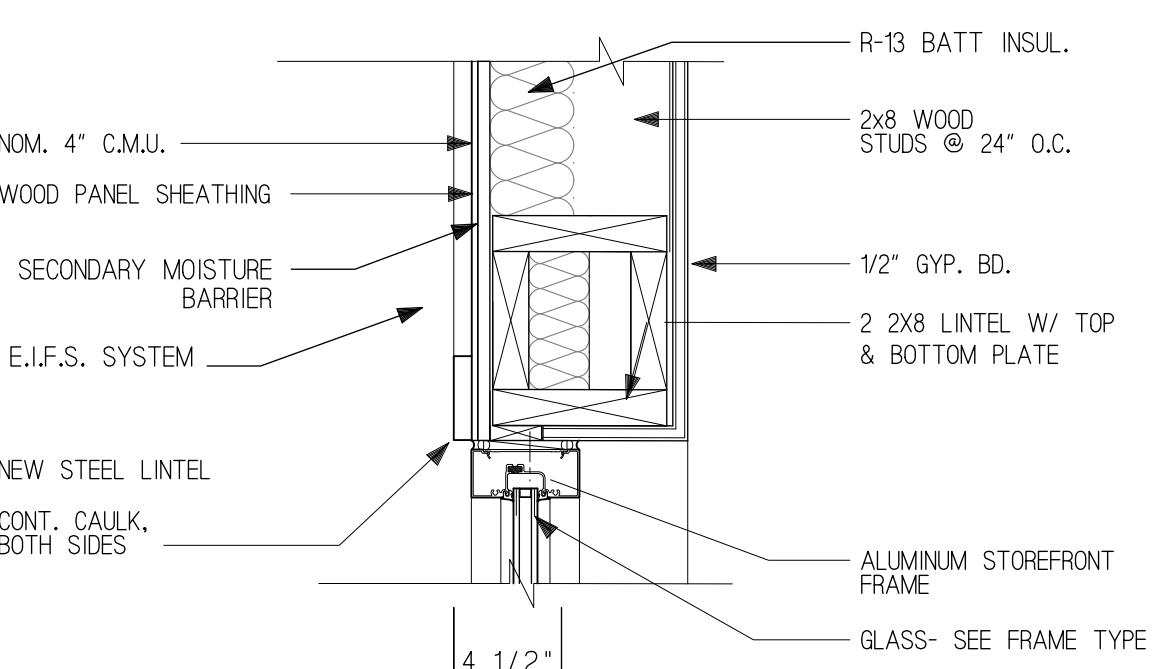
CENTRAL PARK RESTROOMS
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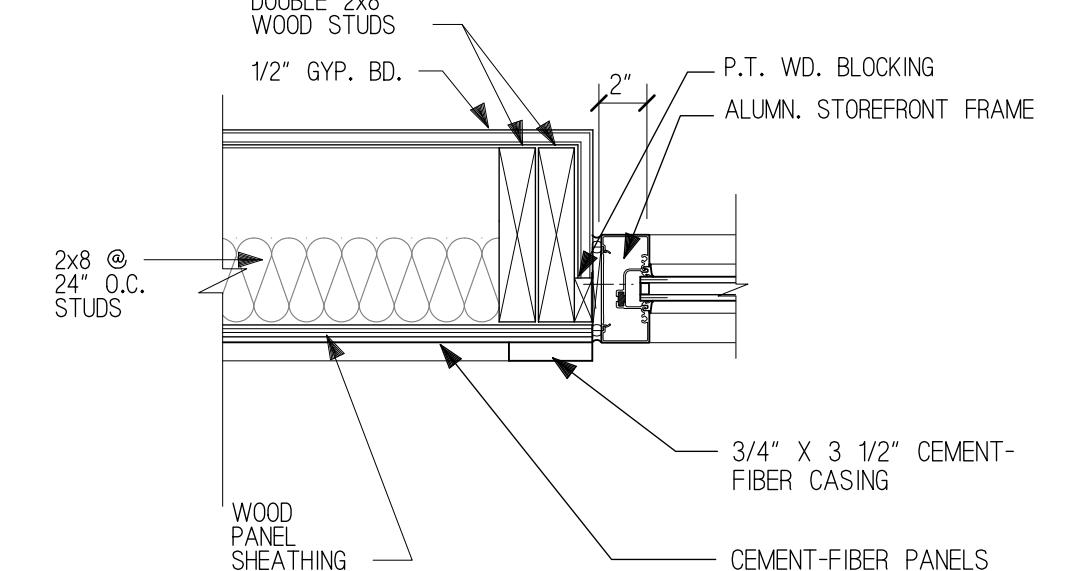


6 SECTION

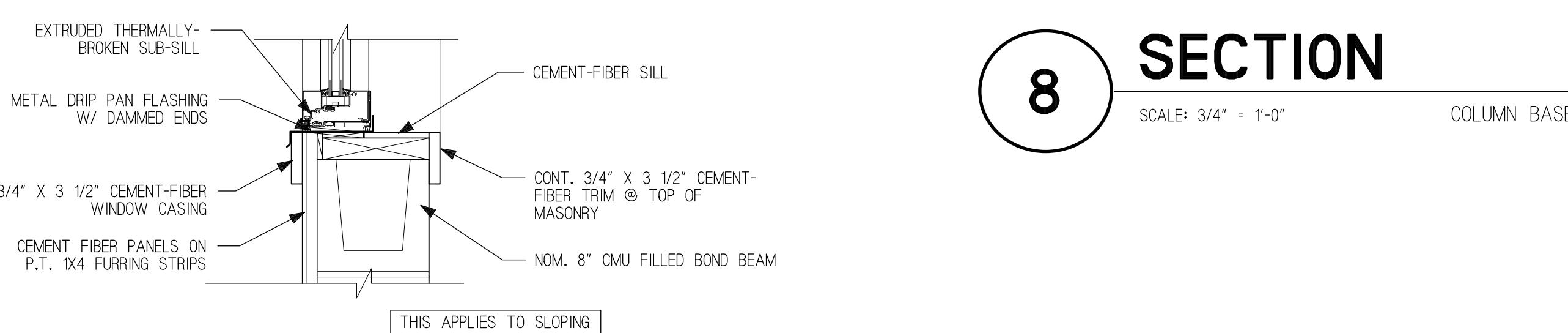
SCALE: 3/4" = 1'-0"



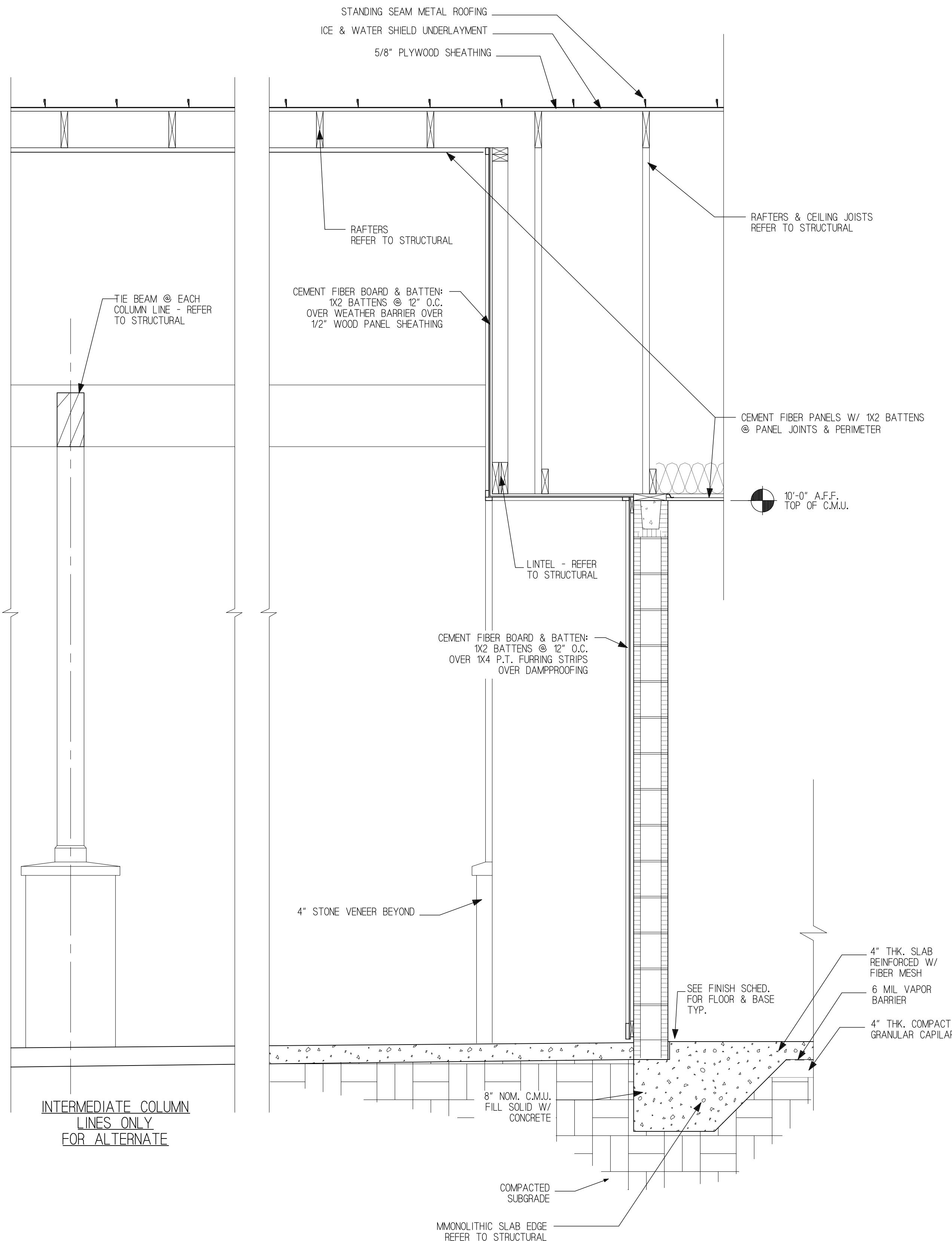
9 HEAD
ALUM. STOREFRONT



10 JAMB
ALUM. STOREFRONT

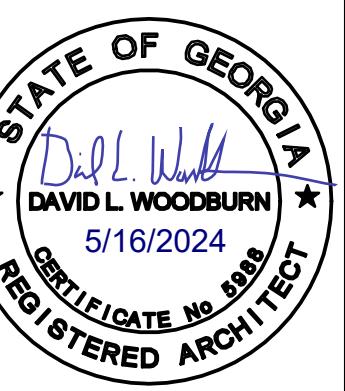


11 SILL
ALUM. STOREFRONT
@ EIFS



7 SECTION
PORTICO ENDWALL CENTER

ALPHA BLDG SET 09-03-2025



SHEET:	ISSUED FOR: PERMIT DATE: 25-07 PROJECT NO.
A-5	05-16-2025 5/16/2024 TOTAL SHEETS 104

GENERAL

- SEE PROJECT SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES. COORDINATE THESE DRAWINGS WITH EXISTING CONDITIONS AND COORDINATE ALL DIMENSIONS AND WALL LOCATIONS WITH THE ARCHITECTURAL DRAWINGS. THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES WITHIN THE CONSTRUCTION DOCUMENTS.
- THE STRUCTURAL DRAWINGS SHOULD NOT BE USED TO SIZE OR LOCATE DOORS, WINDOWS, TOILET PARTITIONS, OR NON-LOAD BEARING WALLS.
- SEE ARCHITECTURAL FOR ALL EXPANSION JOINT COVERS.
- DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE, WITH GEORGIA AMENDMENTS.
- DESIGN LOADS:

LIVE LOAD INFORMATION
A. ROOF LIVE LOAD (REDUCED FOR TRIBUTARY AREA) = 20 PSF

ROOF DEAD LOADING INFORMATION
A. 10 PSF ROOF FRAMING, DECKING AND ROOFING
B. 20 PSF COLLATERAL LOAD (LIGHTS, HVAC, SPRINKLER, ETC)
C. SEE FRAMING PLAN FOR OTHER CONCENTRATED LOADS

SNOW LOAD INFORMATION
A. GROUND SNOW LOAD (PG) = 5 PSF
B. FLAT - TOP SNOW LOAD (PF) = 5.5 PSF
C. SNOW EXPOSURE FACTOR (CE) = 1.0
D. SNOW LOAD IMPORTANCE FACTOR(S) = 1.0
E. THERMAL FACTOR (CT) = 1.0

WIND LOAD INFORMATION
A. ULT. WIND SPEED = 110 MPH
B. ASD WIND SPEED = 85 MPH
C. WIND IMPORTANCE FACTOR (IW) = 1.0
D. WIND CATEGORY = C
E. WIND EXPOSURE = C

F. INTERNAL EXPOSURE COEFFICIENT = 0
G. COMPONENTS AND CLADDING = VARIES

SEISMIC DESIGN INFORMATION
A. SEISMIC IMPACT FACTOR (IE) = 1.0
B. SEISMIC DESIGN CATEGORY = C
C. 2nd SECOND SPECTRAL RESPONSE ACCELERATION (SS) = 0.022
D. 1st FIRST SPECTRAL RESPONSE ACCELERATION (SDS) = 0.084
E. DESIGN SPECTRAL RESPONSE ACCELERATION (SD1) = 0.135
F. DESIGN SPECTRAL RESPONSE ACCELERATION (SD2) = 0.134
G. SITE CLASS = D (PER GEOTECHNICAL REPORT)
H. RESPONSE MODIFICATION COEFFICIENT (R) = 3.5
I. SYSTEM OVERSTRENGTH FACTOR = 3
J. DEFLECTION AMPLIFICATION FACTOR (CD) = 4
K. SEISMIC RESPONSE COEFFICIENT (CS) = 0.013
L. DESIGN BASE SHEAR (VX) = VARIES
M. BASIC SEISMIC FORCE RESISTING SYSTEM - CANTILEVER WOOD POSTS
N. ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE
O. SEISMIC RISK CATEGORY = II

RAIN INTENSITY FACTOR = 40 INCHES PER HOUR

- ALL THE SAFETY REGULATIONS, METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING, BRACING, AND FRAMEWORK, ETC. AS REQUIRED.
- DIMENSIONS ARE NOT TO BE DERIVED BY SCALING THESE DRAWINGS. IF THERE IS ANY QUESTION ABOUT DETAILS OR DIMENSIONS, CONTACT THE ARCHITECT AND STRUCTURAL ENGINEER FOR CLARIFICATION.
- WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL ALSO APPLY FOR ALL LIKE OR SIMILAR CONDITIONS, UNLESS NOTED OTHERWISE.
- ISOMETRIC VIEWS ARE FOR ILLUSTRATIVE PURPOSES ONLY. NO INFORMATION ABOUT THE STRUCTURE OR ITS COMPONENTS SHALL BE TAKEN OR ASSUMED FROM THEM.
- CONTRACTOR SHALL TAMP THE VIRGIN SOIL AFTER EXCAVATION UNTIL NO VISIBLE SOIL RUTTING OCCURS FOR THE FULL SIZE OF THE FOOTING. IF SOIL TAMPING DOES NOT COMPACT SOIL TO THIS CRITERIA, THE ENGINEER SHALL BE NOTIFIED TO DETERMINE SOIL REMEDIATION REQUIREMENTS.

FOUNDATIONS

- THE FOUNDATION IS DESIGNED USING AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF BASED ON 2018 IBC SECTION 1606. IF THE BEARING CONDITIONS VARY FROM WHAT IS SHOWN, OR IF THE SOIL BEARING CAPACITY IS QUESTIONABLE, THE ARCHITECT AND STRUCTURAL ENGINEER ARE TO BE NOTIFIED IMMEDIATELY.
- ALL BUILDING AREAS SHALL BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY AT OPTIMUM OPTIMUM MOISTURE CONTENT AS DETERMINED IN ACCORDANCE WITH ASTM D698, CURRENT EDITION.
- A REGISTERED GEOTECHNICAL ENGINEER REPRESENTING THE OWNER SHALL BE PRESENT TO MONITOR COMPACTION AND SETTLEMENT AND VERIFY THE BEARING CAPACITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND ON-SITE GEOTECHNICAL ENGINEER.
- REMOVE ALL TOPSOIL, ROOT SYSTEM OR OTHER DELETERIOUS MATERIAL UNDER PROPOSED SLAB AND COLUMN FOOTINGS AND REPLACE WITH SUITABLE COMPACTED FILL OR CRUSHED STONE. STRUCTURAL ENGINEER'S DECISION ON QUESTIONABLE MATERIAL SHALL BE FINAL.
- BACKFILLING SHALL BE PERFORMED IN EQUAL LIFTS AROUND THE BUILDING PERIMETER TO BALANCE LATERAL EARTH PRESSURE ON THE BUILDING. WALK BEHIND COMPACTION EQUIPMENT IS REQUIRED WITHIN A DISTANCE OF TWO TIMES THE WALL HEIGHT.
- BACKFILL AGAINST STRUCTURAL WALLS SHALL NOT BE PERFORMED UNTIL WALL AND SLAB ON GRADE HAS OBTAINED SPECIFIED STRENGTH.
- IF REQUIRED BY THE GEOTECHNICAL REPORT OR THE ON-SITE GEOTECHNICAL ENGINEER, THE GROUND WATER TABLE SHALL BE LOWERED.
- ALL FOOTINGS TO BE CENTERED UNDER THE COLUMNS OR WALLS THEY SUPPORT, UNLESS NOTED OTHERWISE ON THE DRAWING.
- UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL IN WRITING. THE CONTRACTOR SHALL LOCATE ANY EXISTING UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION.
- INSPECTIONS BY GEOTECH FIRM ARE REQUIRED FOR EXISTING SOILS CONDITIONS, FILL PLACEMENT, AND LOAD BEARING REQUIREMENTS:
 - SITE PREPARATION: PRIOR TO PLACEMENT OF PREPARED FILL, THE INSPECTOR SHALL DETERMINE THAT THE SITE HAS BEEN PREPARED IN ACCORDANCE WITH THE ABOVE-REFERENCED GEOTECHNICAL REPORT.
 - FILL PLACEMENT: DURING PLACEMENT AND COMPACTION OF FILL MATERIAL, THE INSPECTOR SHALL DETERMINE THAT THE PROPER FILL MATERIAL IS BEING USED AND THAT THE MAXIMUM LIFT THICKNESS IS FOLLOWED IN ACCORDANCE WITH THE ABOVE-REFERENCED GEOTECHNICAL REPORT.
 - EVALUATION OF IN-PLACE DENSITY: THE INSPECTOR SHALL DETERMINE, AT THE FREQUENCIES DETERMINED IN THE SOILS REPORT AND PROJECT SPECIFICATIONS, THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL COMPLIES WITH THE ABOVE-REFERENCED GEOTECHNICAL REPORT.

CONCRETE

- ALL CONCRETE WORK TO BE DONE IN ACCORDANCE WITH THE CODE REFERENCED EDITION OF ACI-318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
- CONCRETE MIX DESIGN REQUIREMENTS AND COMPRESSIVE STRENGTH AT 28 DAYS.

DESCRIPTION	28 DAY STRENGTH (PSI)	WEIGHT PER CUBIC FOOT (PCF)	SLUMP AT POINT OF PLACEMENT	AGGREGATE	FIBERMESH OR WUM
FOOTING AND FOUNDATION WALLS	3000	145	4" +/- 1"	ASTM C33	NONE
SLAB ON GRADE	3000	145	4" +/- 1"	ASTM C33	FIBERMESH @ 15LB PER CUBIC YARD OF CONC.
EXTERIOR SLAB ON GRADE	4500	145	4" +/- 1"	ASTM C33	WUM 6X6 W.4 X W.4

FLY ASH SHALL NOT BE USED. WATER REDUCING ADMIXTURES MAY BE USED TO ACHIEVE SLUMP REQUIREMENTS.

SEE ARCHITECTURAL DOCUMENTS FOR JOINT SIZES AND FILLER MATERIALS.

LOCATION OF ALL CONSTRUCTION JOINTS, EXCLUDING SLABS ON GRADE, SHALL BE COORDINATED WITH STRUCTURAL ENGINEER.

SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER SHOWING PROPOSED LOCATIONS OF ANY MATERIAL SUCH AS BUT NOT LIMITED TO CONDUITS, EMBEDMENTS, OR FIXTURES TO BE PLACED INSIDE ANY STRUCTURAL CONCRETE MEMBER SUCH AS BEAMS, WALLS, SLABS, COLUMNS OR FOOTINGS. THIS IS NOT REQUIRED FOR SLABS ON GRADE OF 4" OR LESS IN THICKNESS.

CONCRETE SLAB FLATNESS AND LEVELNESS TOLERANCES SHALL BE IN CONFORMANCE WITH ACI 111, AND SHALL BE SPECIFIED BY THE OWNER. UNLESS SUPERSEDED BY THE OWNER'S CRITERIA, CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS:

A. PROVIDE A FLOOR SURFACE WHICH IS TRUE AND LEVEL AND ACHIEVES "F" NUMBERS OF FF = 30 AND FL = 20 MINIMUM OVERALL COMPOSITE AND FF = 20 AND FL = 15 MINIMUM AT ANY INDIVIDUAL SECTION, WHEN TESTED IN ACCORDANCE WITH ASTM E115, REMOVE SURFACE IRREGULARITIES TO PROVIDE A CONTINUOUS SMOOTH FINISH.

B. ALL INTERIOR SLABS TO RECEIVE A SMOOTH TROWEL FINISH UNLESS NOTED.

1. UNLESS SPECIFIED OTHERWISE IN THE SPECIFICATION, TESTING OF CONCRETE SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF ACI 318 SECTION 5.6 "EVALUATION AND ACCEPTANCE OF CONCRETE".

2. CONSTRUCTION JOINTS (CNJT.) ARE TO BE LOCATED ON THE THRESHOLD SIDE OF A WALL.

3. SEE DETAIL "TYPICAL SLAB ON GRADE JOINT LAYOUT".

10. THE FOLLOWING PROCEDURES SHALL MEET THE REQUIREMENTS OF THE REFERENCED CODE SECTIONS:

PROCEDURE	REFERENCE SECTION
PREPARATION	ACI 304 - "GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE"
CONVEYING	ACI 318 SECTION 5.9 - "CONVEYING"
DEPOSITING	ACI 318 SECTION 5.10 - "DEPOSITING"
CONSOLIDATION	ACI 309 - "GUIDE FOR CONSOLIDATION OF CONCRETE"
CURING	ACI 308 - "STANDARD PRACTICE FOR CURING CONCRETE"
HOT WEATHER CONCRETING	ACI 309 - "HOT WEATHER CONCRETING"
COLD WEATHER CONCRETING	ACI 308 - "COLD WEATHER CONCRETING"

WOOD NOTES:

- WOOD CONNECTIONS SHALL FOLLOW THE MINIMUM REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE TABLE 2304.3, UNLESS NOTED ON THE DRAWINGS TO REQUIRE ADDITIONAL FASTENERS.
- INSTALL ALL WOOD CONSTRUCTION CONNECTORS ACCORDING TO THE REQUIREMENTS SET BY THE MANUFACTURER.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- STRUCTURAL LUMBER SHALL BE SOUTHERN PINE GRADE #2 OR EQUAL, UNLESS NOTED AS GRADE #1.
- PROVIDE DOUBLE JOISTS UNDER ALL NON-LOAD BEARING PARTITIONS PARALLEL TO THE SPAN OF THE FLOOR JOISTS.
- PROVIDE SOLID BLOCKING BETWEEN FLOOR JOISTS UNDER WALLS THAT ARE PERPENDICULAR TO THE FLOOR TRUSSES.
- ALL STRUCTURAL WOOD USED IN THE CONSTRUCTION OF STEPS, PORCHES, AND DECKS, OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED, (UNO.)
- ALL PRE-ENGINEERED LUMBER SPECIFIED AS LVL'S ON THESE DRAWINGS SHALL BE PRODUCED BY "TRUSS JOIST BY Weyerhaeuser" OR APPROVED EQUAL WITH MANUFACTURER'S DETAILED DESIGN PROPERTIES FOR THE SECTIONS USED IN THIS SET OF DRAWINGS. THE MINIMUM DESIGN PROPERTIES SHALL INCLUDE:
 - E: 2,000,000 PSI
 - F: 2,600 PSI
 - Fc PERPENDICULAR: 150 PSI
- WALL SHEATHING SHALL BE CONTINUOUS OVER RIM JOIST TO TOP PLATE. ALL WALL AND FLOOR SHEATHING SHALL BE BLOCKED AT PANEL JOINTS AND NO MORE THAN FOUR FEET ON CENTER VERTICALLY.

ROOF SHEATHING:
THE ROOF SHEATHING SHALL BE 5/8" THICK (MIN) 24/16 APA-RATED PLYWOOD, WITH Ø.13" DIAMETER X 2.5" LONG (RING SHANK) NAILS AT 3" ON CENTER AT ALL PANEL EDGES AND BOUNDARIES, AND 12" ON CENTER IN THE FIELD.

WALL SHEATHING:
THE ROOF SHEATHING SHALL BE 5/8" THICK (MIN) 24/16 APA-RATED PLYWOOD, WITH Ø.13" DIAMETER X 2.5" LONG (RING SHANK) NAILS AT 3" ON CENTER AT ALL PANEL EDGES AND BOUNDARIES, AND 12" ON CENTER IN THE FIELD.

REINFORCING STEEL

- REINFORCING STEEL SHALL BE NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60, AND SHALL BE FREE FROM ANY FORM RELEASE AGENTS.
- REINFORCING BENDS SHALL CONFORM TO CRSI.
- WELDED WIRE FABRIC SHALL BE SHEETS OF NEW BILLET STEEL COLD DRAWN, CONFORMING TO ASTM SPECIFICATION A183, GRADE 60.
- REINFORCING IS TO BE SUPPORTED AND SPACED WITH WIRE BAR SUPPORTS ACCORDING TO CRSI "PLACING REINFORCING BARS" UNLESS NOTED OTHERWISE.
- BAR SUPPORTS, DESIGN, DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 318 AND "THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315.
- SPLICES FOR CONTINUOUS BARS SHALL BE CLASS B, UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL BE LAPPED 12" MINIMUM.

- PROVIDE BENT HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF ALL WALLS AND FOOTING. BENT BARS ARE TO MATCH THE SIZE AND SPACING OF HORIZONTAL BARS IN WALL OR FOOTING. USE CLASS B SPLICE EACH SIDE.
- PROVIDE DIAGONAL BARS AT CORNERS OF OPENINGS IN SLABS AND CONCRETE WALLS. SEE DETAILS "RECTANGULAR OPENING WALL SLAB" AND "CIRCLE OPENING WALL SLAB". PROVIDE 2" CLEAR COVER BETWEEN THE OPENING AND THE CORNER REINFORCING BARS.
- WALL FOOTING REINFORCEMENT SHALL BE CONTINUOUS THROUGH COLUMN FOOTING.
- EXTEND ALL FOOTING REINFORCEMENT TO FAR SIDE OF FOOTING. SEE NOTE BELOW FOR CONCRETE COVERAGE.
- PROVIDE DOVELS IN WALL FOOTING TO MATCH WALL VERTICALS UNLESS NOTED OTHERWISE ON DRAWINGS. PROVIDE CLASS B SPLICE. USE STANDARD ACI 90 DEGREE HOOK WITH 3" CLEAR TO BOTTOM OF FOOTING UNLESS NOTED OTHERWISE. SEE DETAIL "CORNER BAR 4 SPLICE LENGTH DETAIL (IN CONCRETE)"

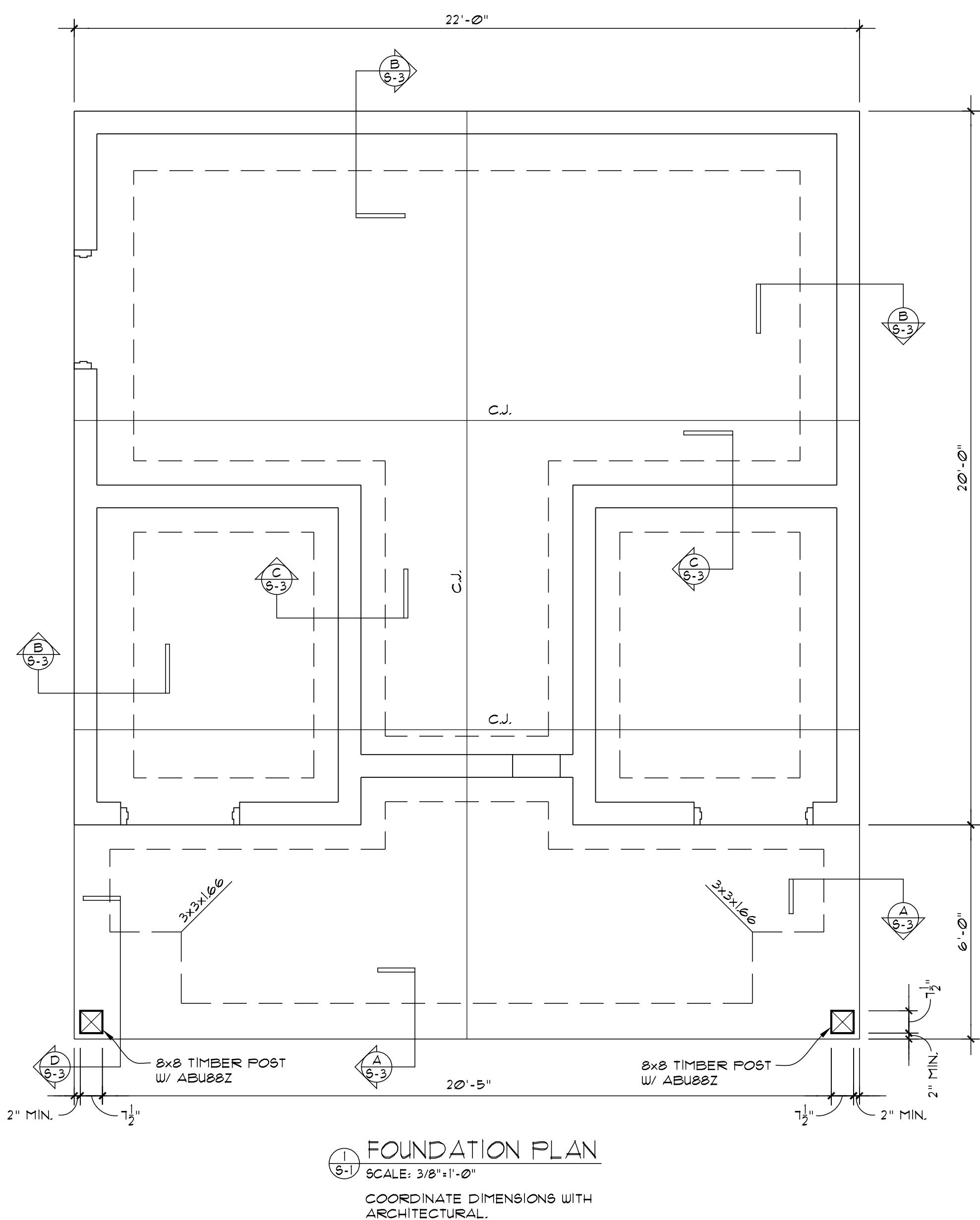
CLASS B SPLICE OR CORNER BAR PER ACI 318						
BAR #	3000 PSI CONCRETE		4000 PSI CONCRETE		5000 PSI CONCRETE	
	MIN. SPLICE (INCHES)	MIN. SPLICE (BAR DIAM.)	MIN. SPLICE (INCHES)	MIN. SPLICE (BAR DIAM.)	MIN. SPLICE (INCHES)	MIN. SPLICE (BAR DIAM.)
4	29	51	31	50	24	45
5	36				28	
6	43		31		34	
7	63		54		49	
8	72		62		56	
9	81		70		63	
10	89		78		69	
11	98		85		76	

- MINIMUM CONCRETE COVERAGE SHALL BE AS FOLLOWS. IF CONSTRUCTION DOCUMENTS INDICATE A LARGER COVERAGE, IT SHALL BE USED. IF STIRRUPS, TIES, OR SPIRALS ARE USED, COVERAGE SHALL BE TO THE OUTERMOST FACE OF THESE ELEMENTS.
 - FOOTINGS, CAISSENS, AND OTHER MEMBERS WHERE CONCRETE IS DEPOSITED AGAINST SOIL (EXCEPT SLABS ON GRADE) = 3"
 - CONCRETE EXPOSED TO WEATHER OR SOIL BUT IS NOT DEPOSITED AGAINST SOIL: 1" BAR AND LARGER = 2"
1/2" BAR AND SMALLER = 1 1/2"
 - CONCRETE NOT EXPOSED TO WEATHER OR SOIL:
SLABS, WALLS, JOISTS #4 BAR AND LARGER = 1 1/2"
SLABS, WALLS, JOISTS #1/2" BAR AND SMALLER = 3/4"
BEAMS AND COLUMNS = 1 1/2"
- LINTELS SCHEDULED ABOVE SHALL BE USED UNLESS SHOWN OR NOTED OTHERWISE.
 - LINTELS SHALL HAVE 1" BEARING EACH END, FOR EACH 1'-0" OF SPAN, BUT NOT LESS THAN 2" BEARING EACH END.
 - CONCRETE BLOCK LINTELS SHALL BE MADE WITH FILLED "U" BLOCKS. FILL SHALL BE MADE WITH COURSE GROUT, CONFORMING TO ASTM C-416, 3/8" MAX. STONE SIZE. SHORE POURED LINTELS (1) DAY MINIMUM.
 - REINFORCING SHOWN ABOVE SHALL BE DOUBLED FOR 12" NOM. CONCRETE BLOCK LINTELS.

CONCRETE BLOCK LINTEL BEAM SCHEDULE

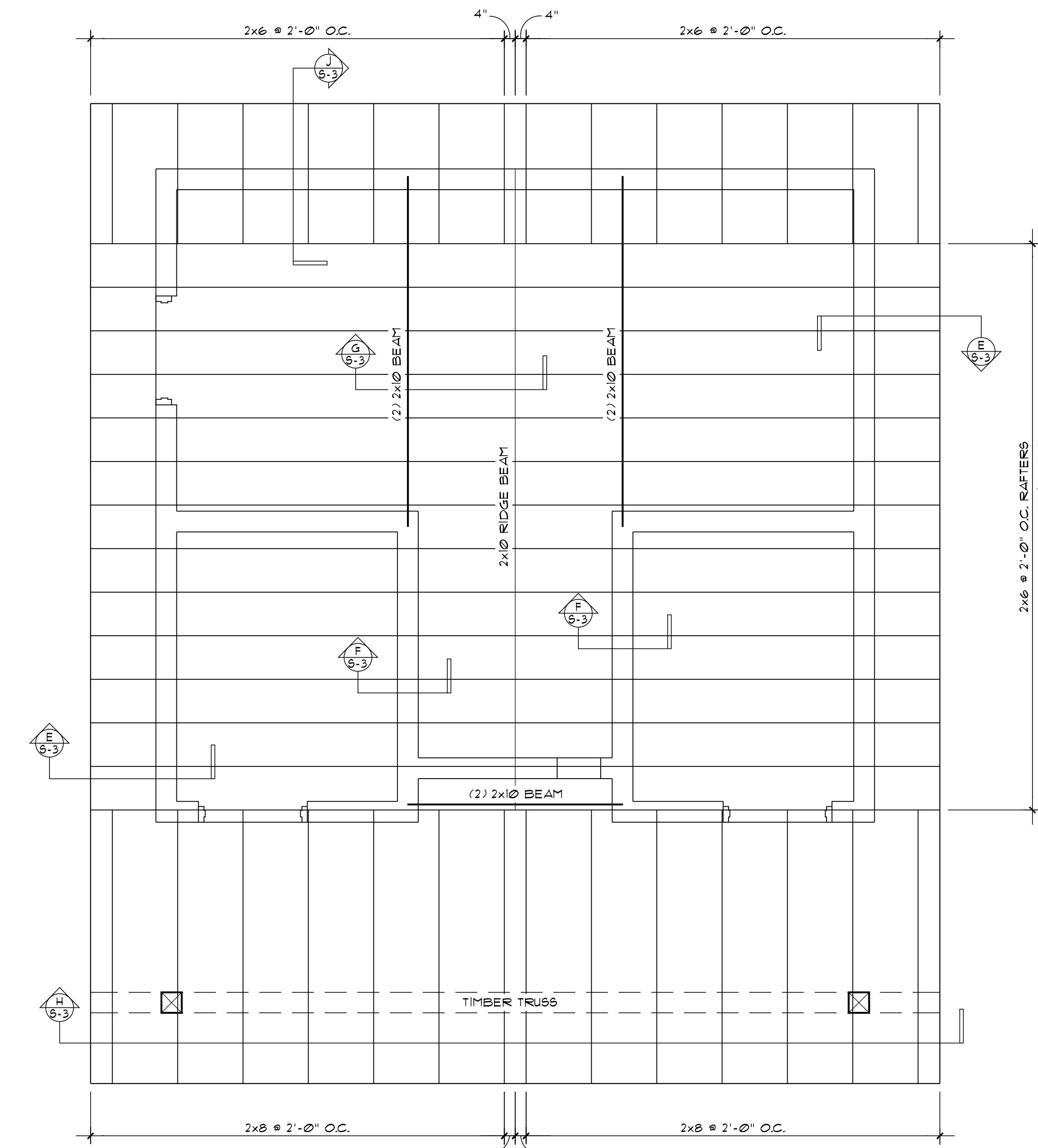
SPAN	LINTEL
UP TO 3'-0"	1 1/2 T 4 1 1/2 B
3'-1" TO 5'-0"	1 1/2 T 4 1 1/2 B
5'-1" TO 7'-0"	1 1/2 T 4 1 1/2 B
7'-1" TO 9'-0"	1 1/2 T 4 1 1/2 B

NOTES:
1) LINTELS SCHEDULED ABOVE SHALL BE USED UNLESS SHOWN OR NOTED OTHERWISE.
2) LINTELS SHALL HAVE 1" BEARING EACH END, FOR EACH 1'-0" OF SPAN, BUT NOT LESS THAN 2" BEARING EACH END.
3) CONCRETE BLOCK LINTELS SHALL BE MADE WITH FILLED "U" BLOCKS. FILL SHALL BE MADE WITH COURSE GROUT, CONFORMING TO ASTM C-416, 3/8" MAX. STONE SIZE. SHORE POURED LINTELS (1) DAY MINIMUM.



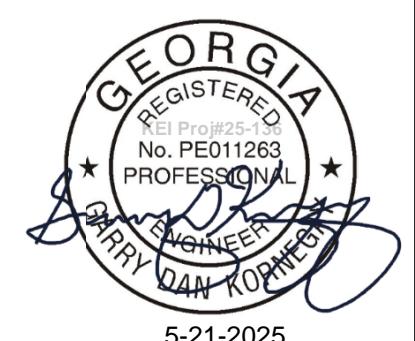
FOUNDATION PLA

SCALE: 3/8 = 1'-0
COORDINATE DIMENSIONS WITH
ARCHITECTURAL.



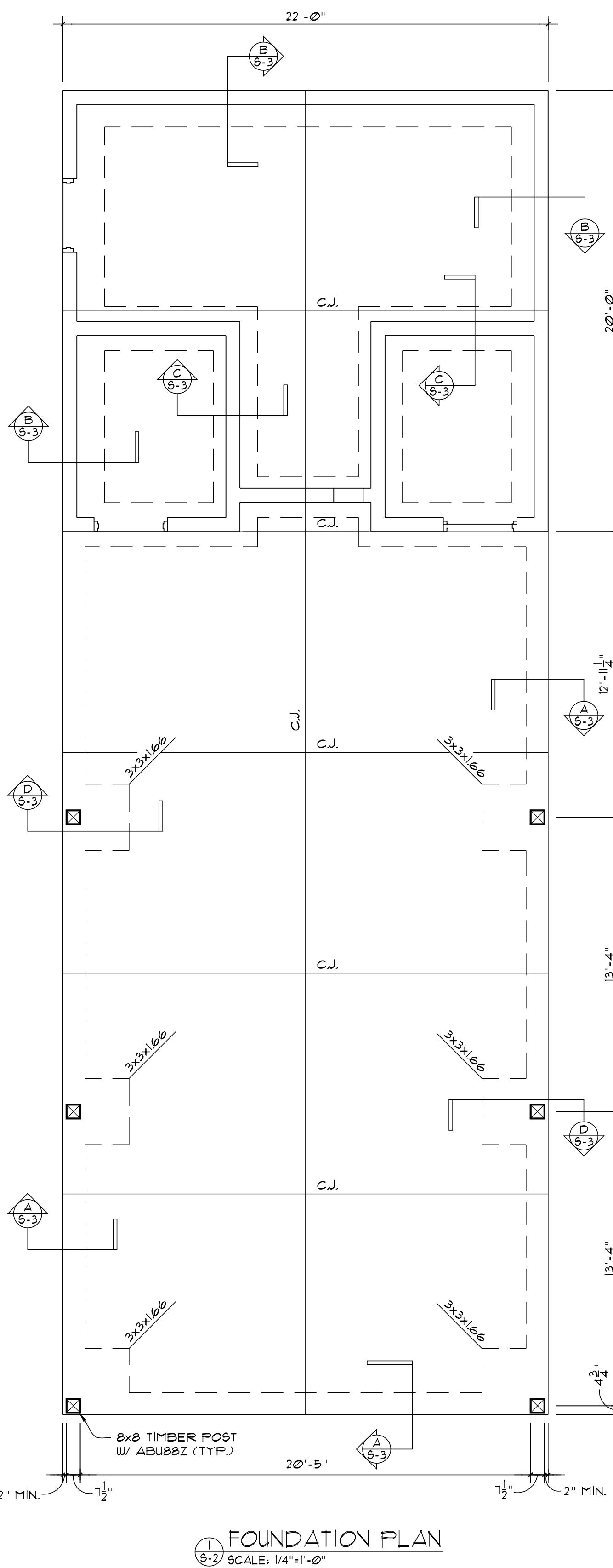
2
S-1 ROOF FRAMING PLAN
SCALE: 3/8" = 1'-0"

CENTRAL PARK RESTROOMS
COVINGTON NEW CONSTRUCTION
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GEORGIA
(404) 272-8302

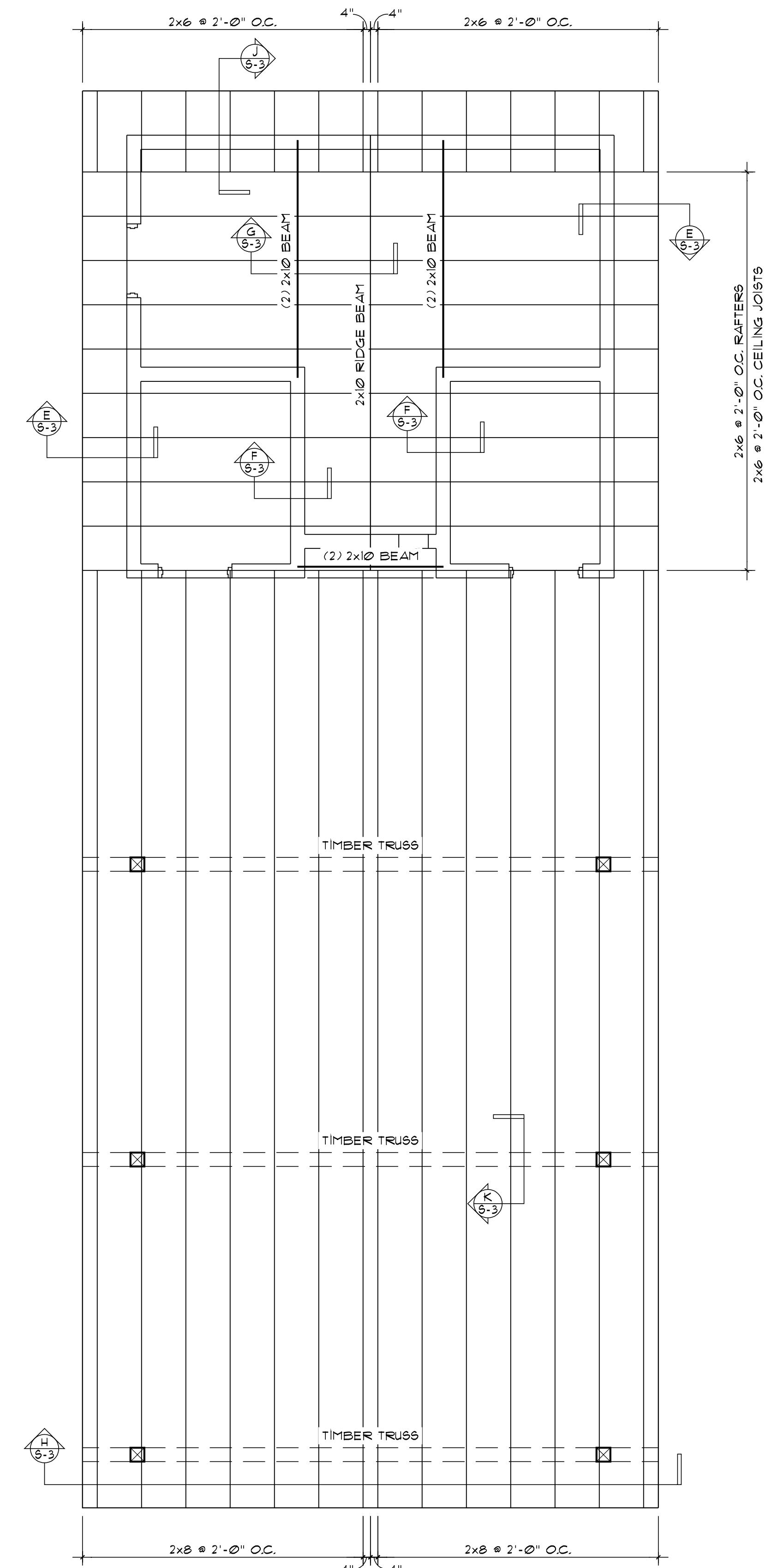


SHEET:	ISSUED FOR:	DATE
	REVISION	
S-1		

ALPHA BLDG SET 09-03-2025



1
S-2 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



2
S-2 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

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CENTRAL PARK RESTROOMS
COVINGTON
NEW CONSTRUCTION
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DUBLIN, GEORGIA 31021
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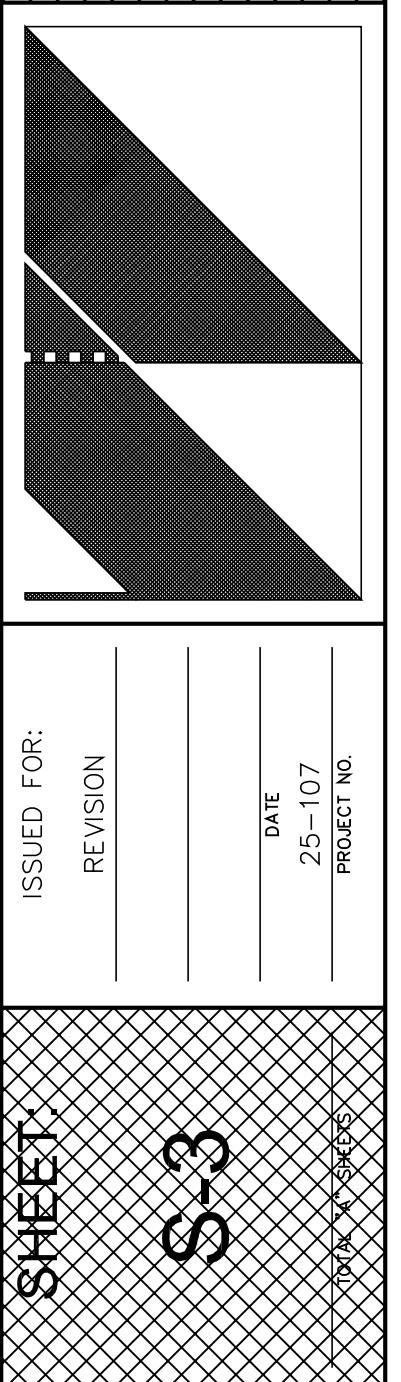
	
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REVISION	
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DATE	25-10-7
PROJECT NO.	

ALPHA BLDG SET 09-03-2025

THESE DESIGN IDEAS, LAYOUT ARRANGEMENTS AND DRAWINGS ARE THE PROPERTY OF: DAVID L. WOODBURN ARCHITECT AND SHALL NOT BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.

CENTRAL PARK RESTROOMS NEW CONSTRUCTION

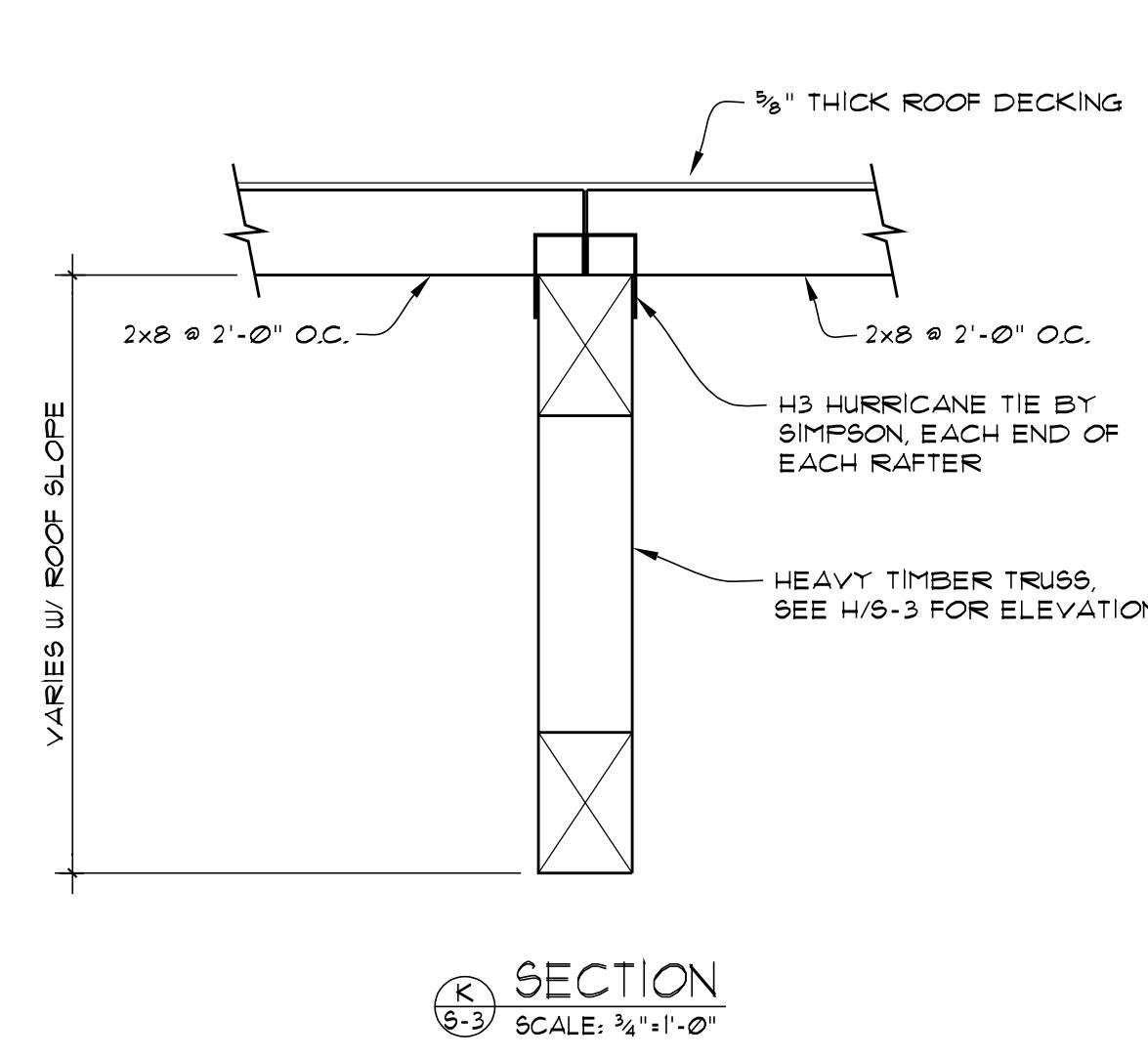
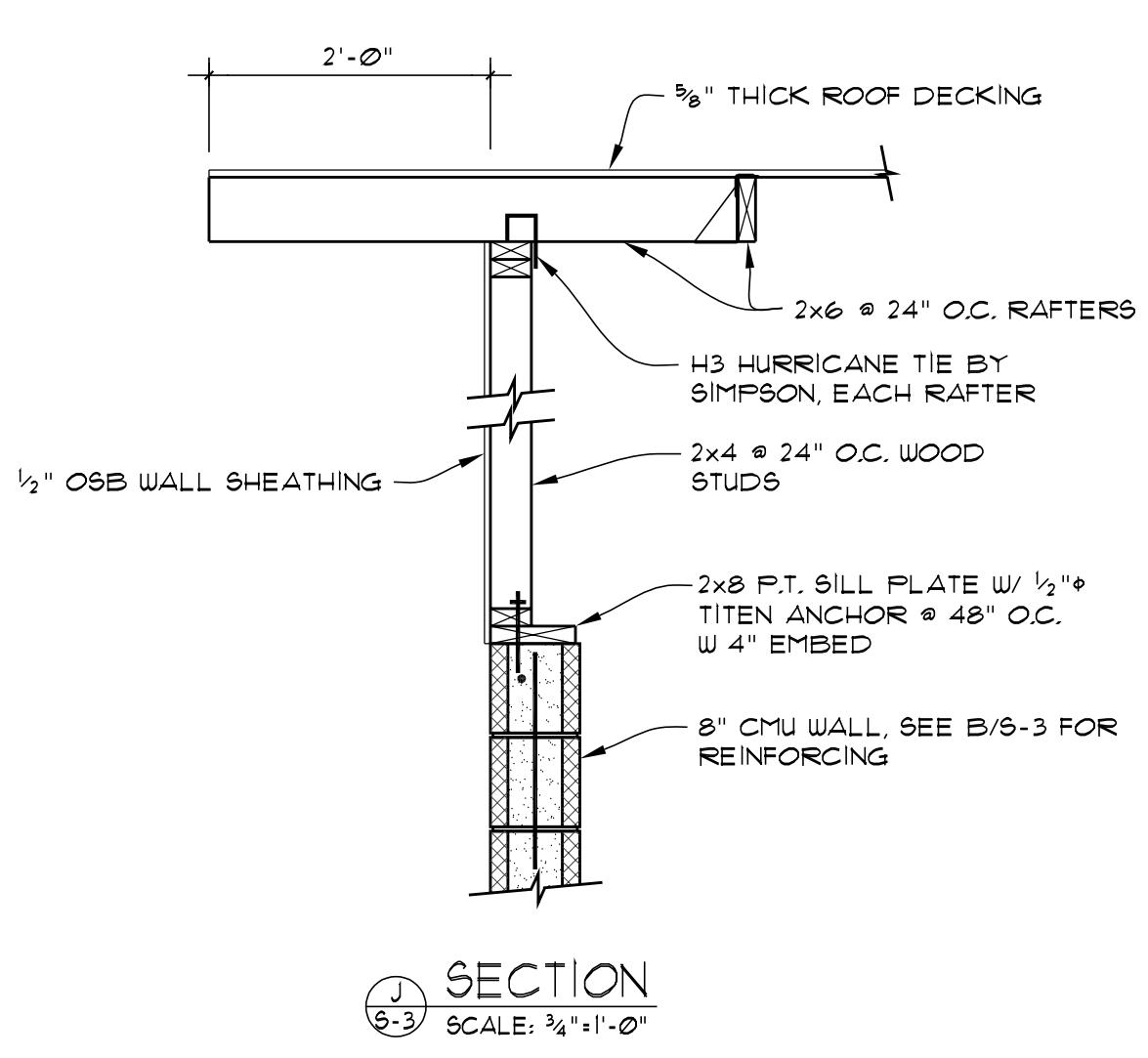
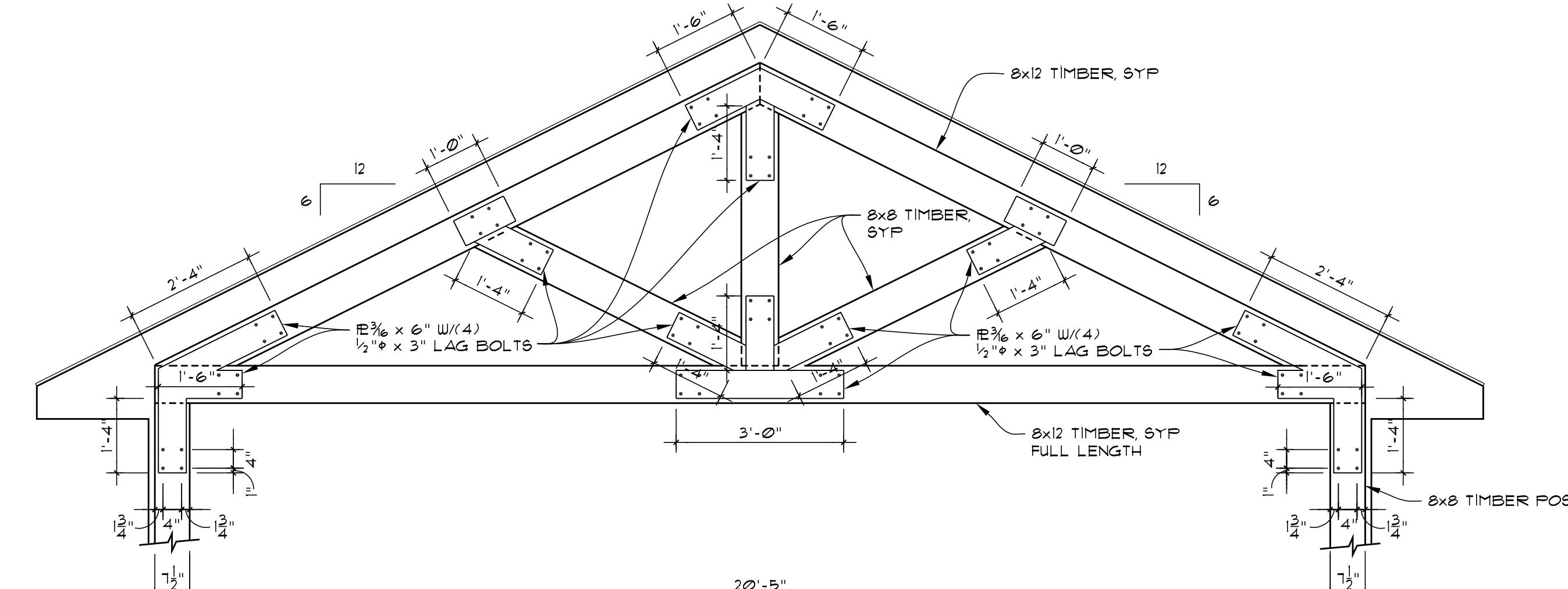
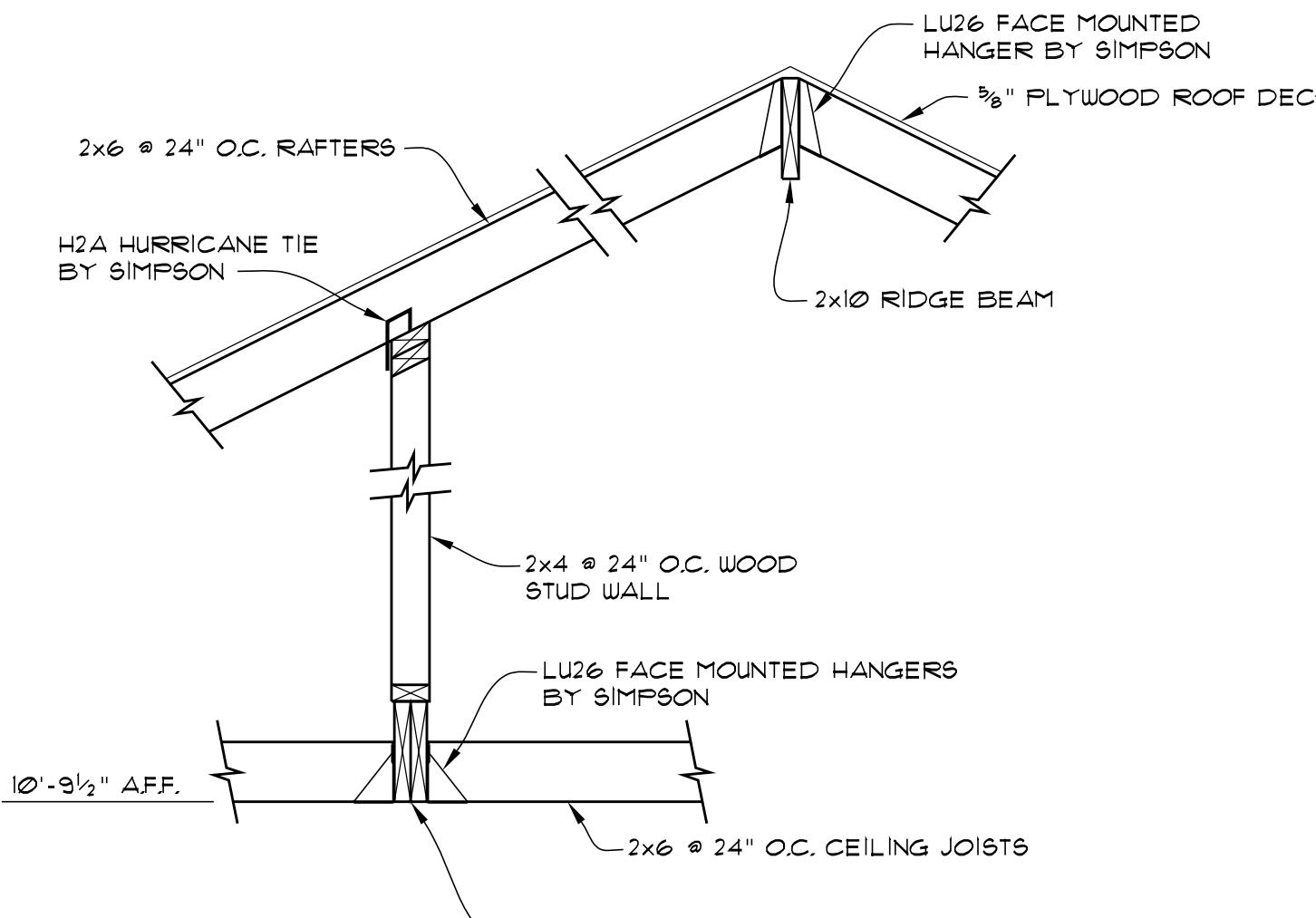
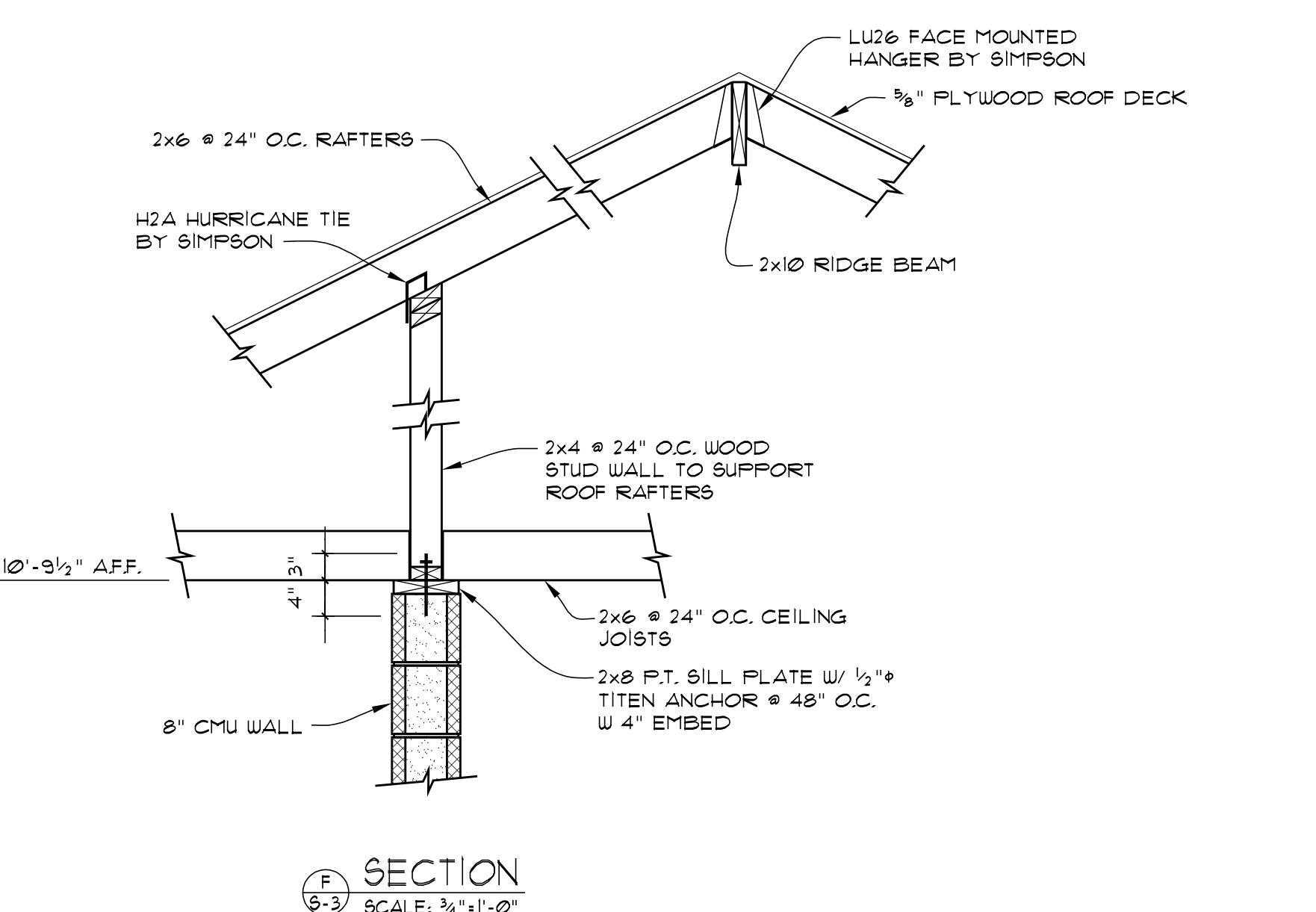
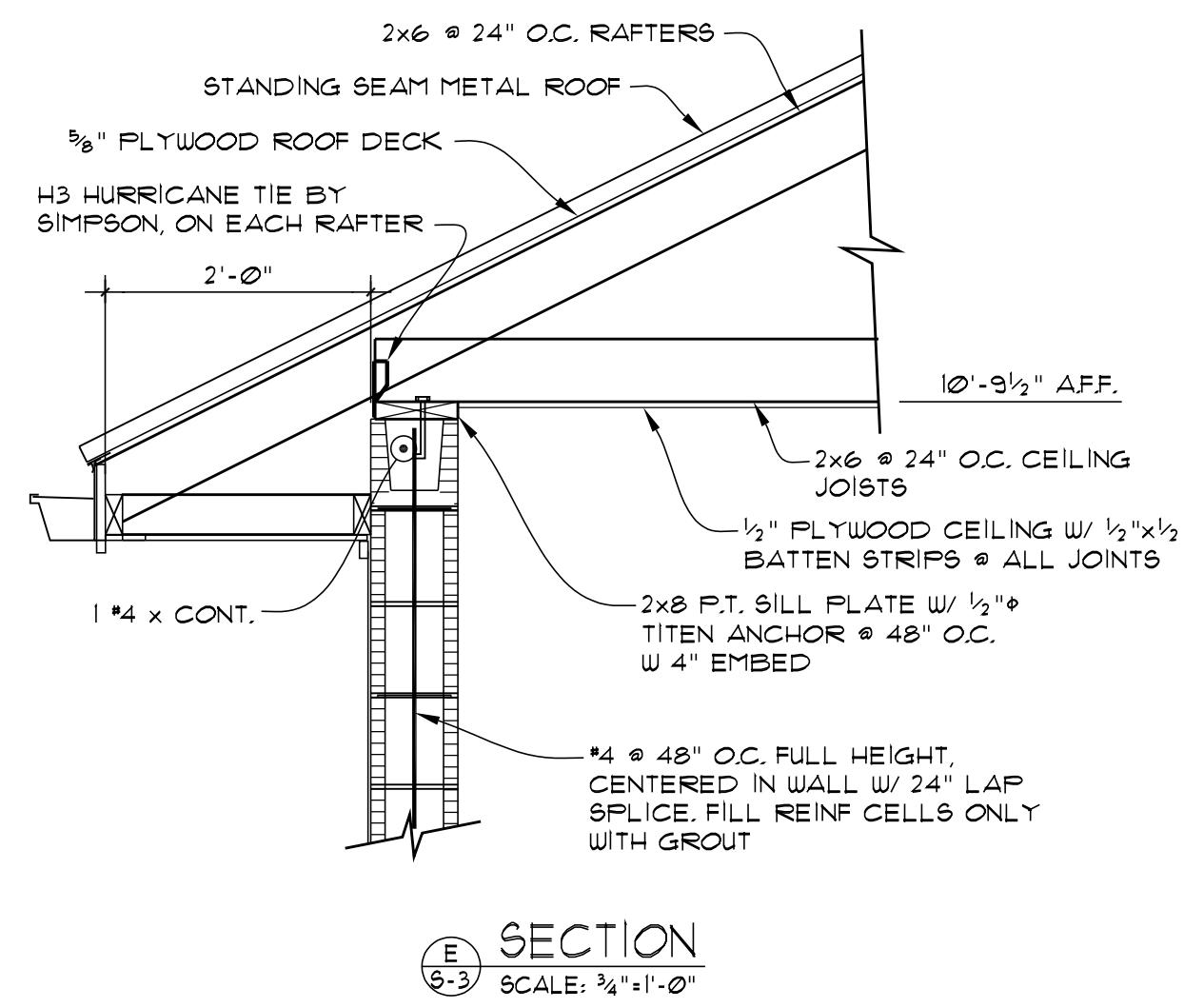
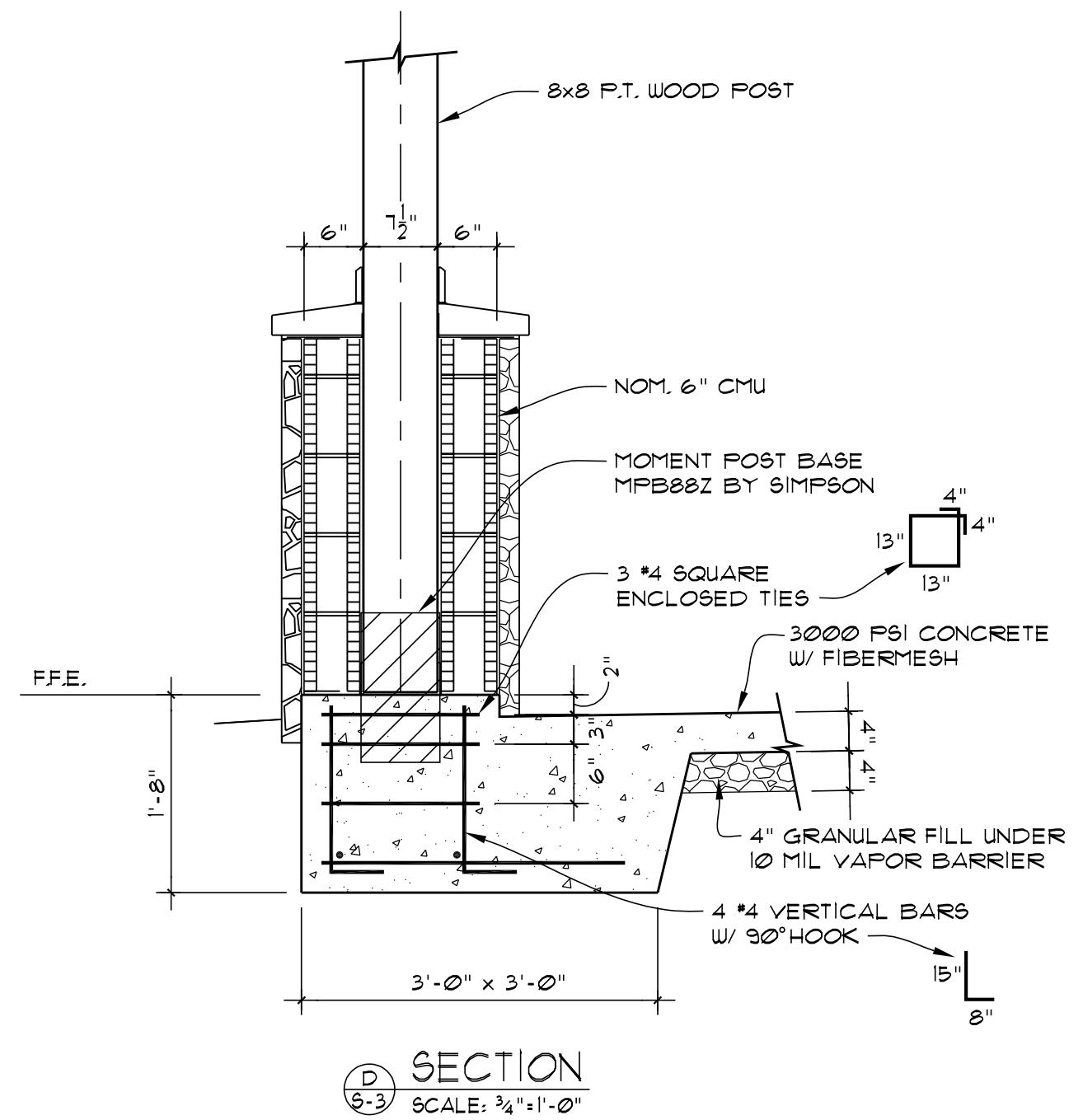
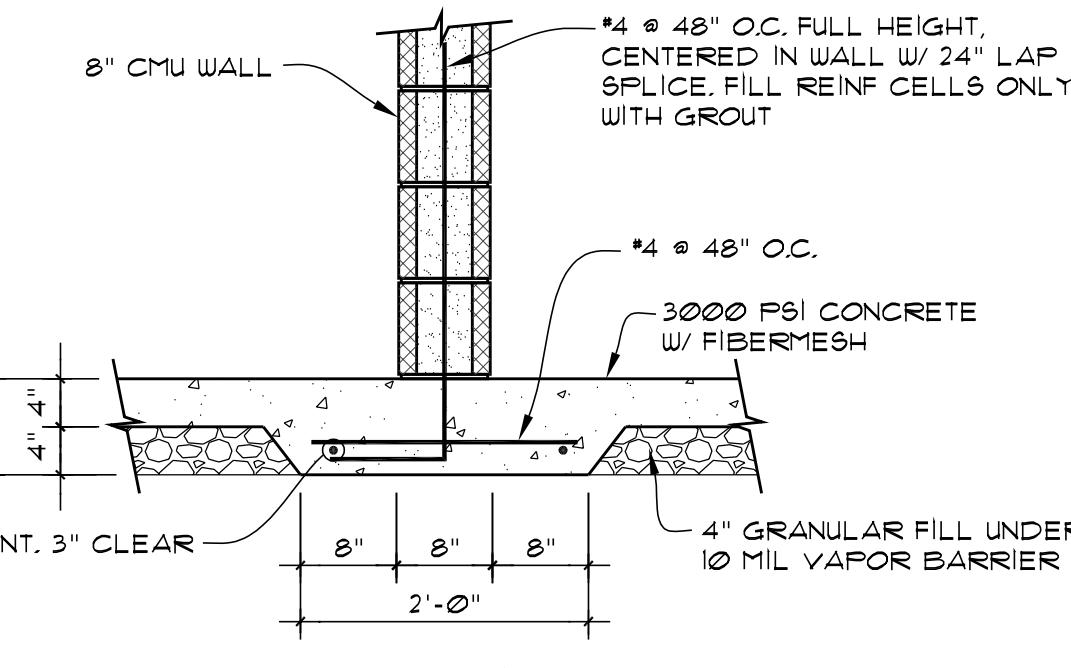
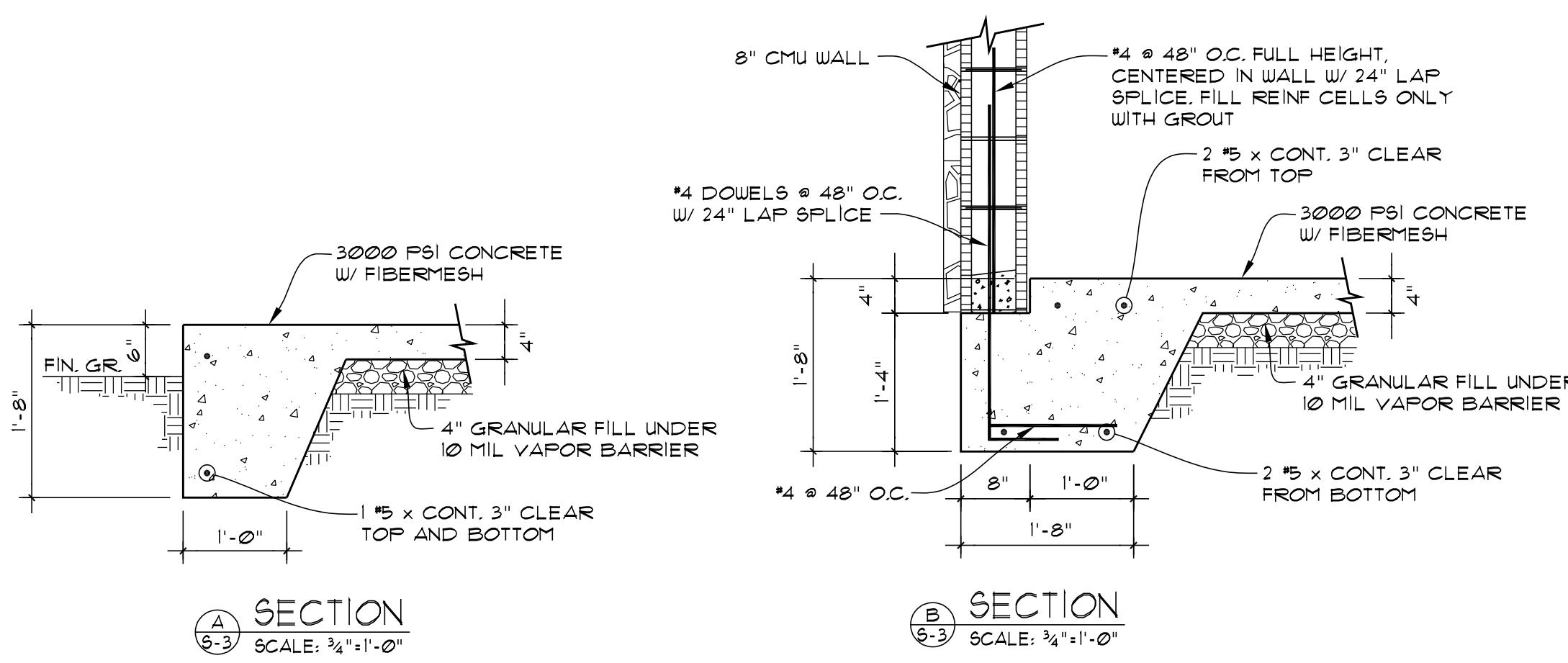
DAVID L. WOODBURN, AIA, ARCHITECT



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ALPHA BLDG SET 09-03-2025



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 Energy Code (2015 International Energy Conservation Code with Georgia State Supplements and Amendments), and the DOJ 2010 ADA Standards for Accessible Design with Georgia Amendments of Rule 120-3-20.

The contractor shall 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 pipe materials shall be UL 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.

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, attics, 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: Watts LFBBV-3C.
 B. Check: Watts #600 or #601S.

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 gauge, chrome plated. Grid drains for public lavatories.

Water Hammer Arresters shall comply with standard ASSE 1010, metal bellows type or copper piston type.

Urinal Supports shall be type I, urinal carrier with fixture support plates and coupling with seal and fixture bolts and hardware matching fixture for wall-mounting, urinal-type fixture. Include steel uprights with feet. 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.

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 concealed 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.

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 ball 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 of existing piping that have been altered, extended, or repaired. Leave new, altered, extended, or replaced domestic water piping uncovered and uncoated until it has been tested and approved. Expose work that was covered or concealed before it was tested. Cap or 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 roof (VTR) 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.

Supply-Type, Trap-Seal Primer Device: Standard: ASSE 1018. A. Install supply-type, trap-seal primer valves with outlet piping pitched down toward drain trap a minimum of 1 percent, and connect to floor-drain body, trap, or inlet fitting. Adjust valve for proper flow.

Water closet carrier shall be ASME A112.6.1M waste-fitting assembly, as required to match drainage piping material and arrangement with facepieces, couplings, gaskets, and feet, bolts and hardware matching fixture. Include additional extension coupling, facepiece, and feet for installation in wide pipe space if required.

Approved manufacturers: (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.)

Security Plumbing Fixtures: Acorn, Willoughby, Murdock

Faucets: Delta, T&G Brass, American Standard, Chicago Faucets, Zurn, Kohler, Moen, Speakman, Symmons

Supplies & Traps: Engineered Brass CO., McGuire, Charlotte Pipe, Brasscraft, IPS, Watts, Zurn

Flush Valves: Sloan, Delony, Zurn, American Standard

Toilet Seats: Sloan, Delony, Zurn, Joy R Smith, Proset, Watts, Mifab, Wade, Josam, Sioux Chief, Oatey

Tankless Electric Water Heaters: A.O. Smith, Rheem, Emax, Chromomite

Toilet Seats: Bemis, Centoco, Church Seats, Olsonite, Beneke, Zurn, Mainline

ADA Protective Shielding Pipe Covers: Engineered Brass, McGuire, Plumberex, TRUEBRO, Zurn, Oatey

Fixture Supports: Mifab, Joy R. Smith, Wade, Watts, Zurn

Wall Hydrants/ Hose Bibbs: Mifab, Joy R. Smith, Wade, Watts, Woodford, Zurn

Water Hammer Arresters: AMTROL, Josam, Mifab, PPP, Sioux Chief, Joy R. Smith, Wade, Watts, Zurn

Brass Valves: American, Crane, Watts, Apollo

Drinking fountains: Murdock, Hawes, Stern Williams

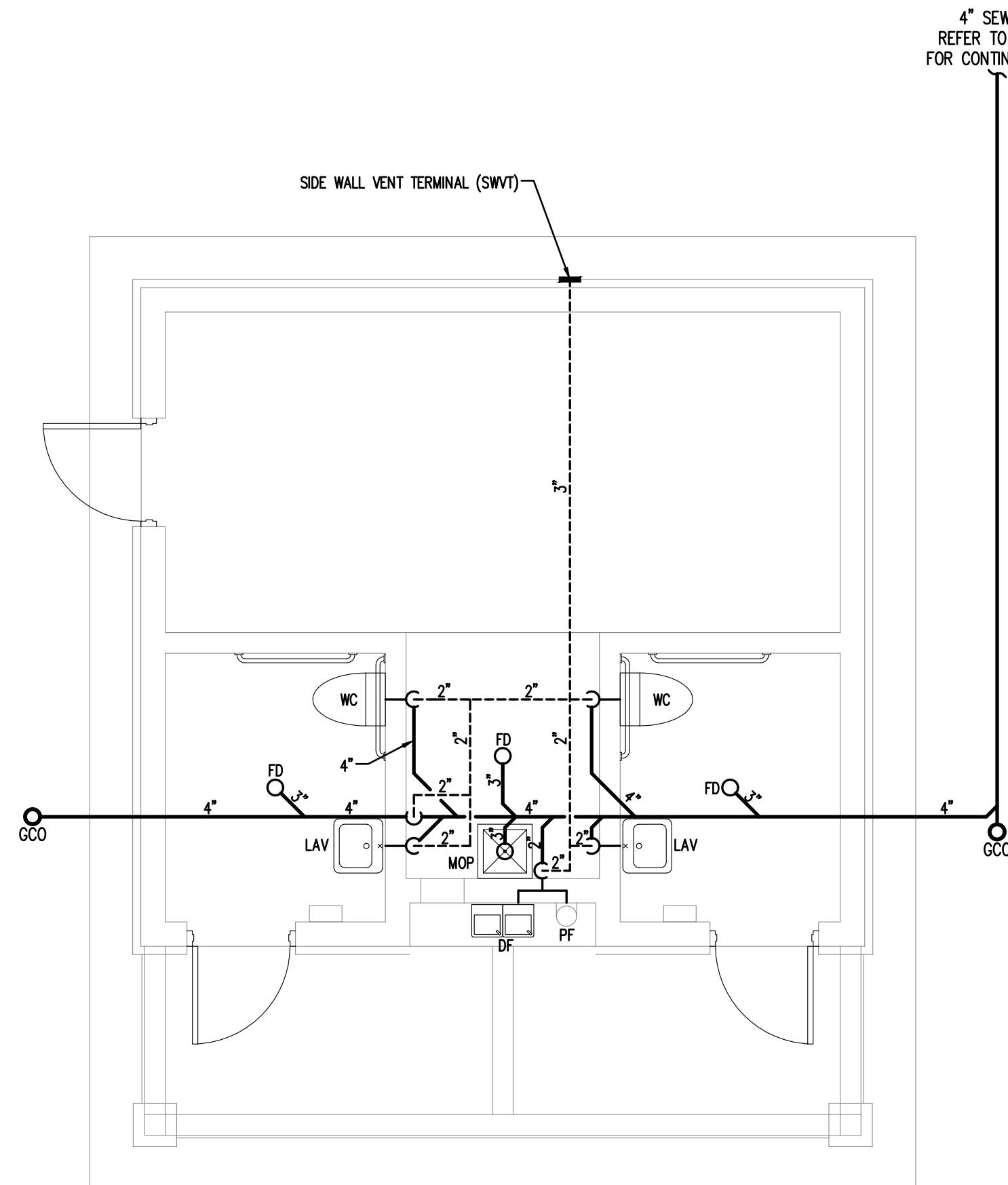
Fixture and Equipment Schedule								
#	Fixture Type	Waste		Water Supply		Water Fix. Conn.		Manufacture and Notes
		Below Floor	Fixture Conn.	Cold	Hot	Cold	Hot	
WC	ADA STAINLESS STEEL WALL-HUNG REAR SPUD WATER CLOSET 1.28 GPF	3"	3"	1"	1"	1/2"	1/2"	ACORN 1675-W-ADA-1.28 GPF-FVBO-PFS-SW WATER CLOSET. ZURN Z6143AV-1.28 FLUSH VALVE. BEMIS 19555CCT SEAT COLOR BLACK.
LAV	ADA STAINLESS STEEL WALL-HUNG LAVATORY 0.5 GPM W/ METERING FAUCET	2"	1-1/4"	1/2"	1/2"	1/2"	1/2"	ACORN 1652LRB-H24-SW LAVATORY. SYMONS SLC-6000 FAUCET. .
PF	PET FOUNTAIN	2"	1-1/4"	1/2"	1/2"	1/2"	1/2"	HAWK 9004-MWL. REFER TO ARCHITECT FOR COLOR.
DF	ADA BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER	2"	1-1/4"	1/2"	1/2"	1/2"	1/2"	HAWK 7320. REFER TO ARCHITECT FOR COLOR.
MOP	MOP SINK	3"	3"	1/2"	1/2"	1/2"	1/2"	FIAT MSB2424, 830AA FAUCET, 832AA HOSE/BRACKET, 889CC HANGER, MSB2424 PANELS.
HB	HOSE BIBB			3/4"	3/4"			WOODFORD 26 WITH OPTIONAL METAL HANDLE.
FD	FLOOR DRAIN WITH TRAP PRIMER	2"	2"					WATTS FD-190-PR-60-7 FLOOR DRAIN.
GCO	GRADE CLEANOUT		SEE DWG.	SEE DWG.				WATTS CO-200-RX-4-60.
SWT	SIDE WALL VENT TERMINAL	3"	3"					WATTS MS-8034.
PRV	PRESSURE REDUCING VALVE (ASSE 1003)			SEE DWG.	SEE DWG.			WATTS LF25AUB-Z3.

Water Heater & Tank Schedule						
Mark	Manufacturer	Model Number	Type	kW	*Electrical	
					Volts	Phase
WH	A.O. SMITH	UPVA-110E	ELECTRIC TANKLESS	11	240	1

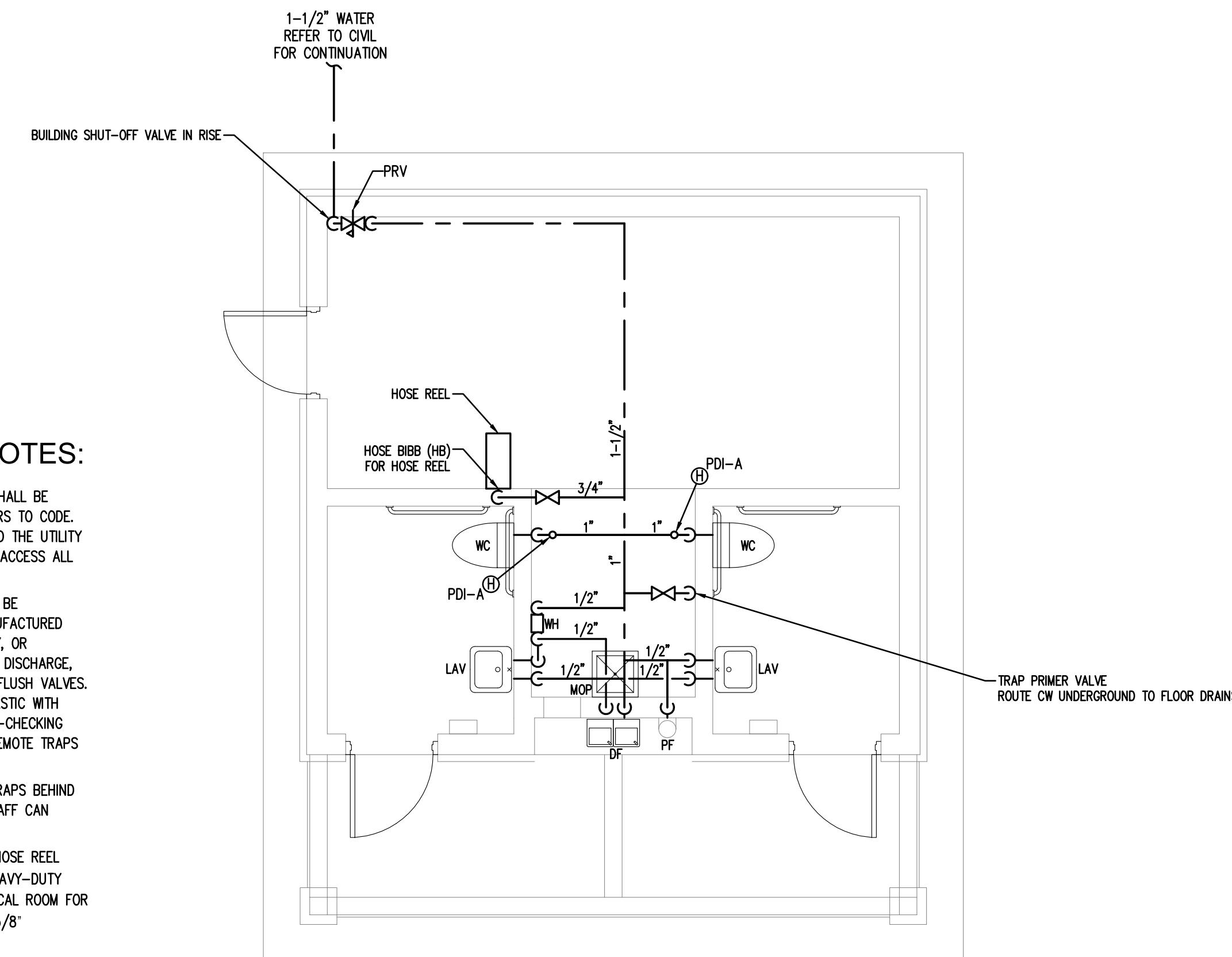
CONTRACTOR SHALL CONSULT THE ELECTRICAL DOCUMENTS FOR VOLTAGE AND PHASE.

Legend						

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1 PLUMBING PLAN - SEWER
SCALE: 1/4"=1'-0"



2 PLUMBING PLAN - WATER
SCALE: 1/4"=1'-0"



• 10864

10641 Highway 36, Covington, GA 30014
(770)786-3031
www.sunbeltbuilders.com

DATE: 04-30-25 PROJECT NUMBER: 25-039

DRAWN BY: JWK	CHECK BY: KMP
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SHEET TITLE:
PLUMBING PLANS

PLUMBING PLANS

ALPHA BLDG SET 09-03-2025

P1.1

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) Provide fire and smoke rated flexible connections between fans and ducts. Material shall comply with NFPA 90A requirements for material in supply air stream.
- 12) 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.
- 13) Make all duct elbows right angle type with single -thickness turning vanes or construct with centerline radius 1-1/2 times the duct width.
- 14) Duct sizes shown on plans are clear, interior dimensions. Duct sizes shown shall be enlarge to allow for liner at locations of interior liner.
- 15) Do not cut into or reduce the size of any structural member without the permission of the Architect.
- 16) Provide weather-proof flashing at all duct and pipe penetrations through the building walls and roof. As a minimum, flashings shall be designed and installed in accordance with SMACNA standards. Flashings shall be guaranteed weatherproof.
- 17) 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 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.
- 18) Thoroughly clean all components and remove all dirt, scale, oil, and other foreign substances. Provide clean air filters for all equipment.
- 19) 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 exhaust outlet.
 - 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.
- 20) 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 or replacement.
- 21) 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.)
- 22) Instruct Owner's representative in the operation of the systems, using the operation and maintenance manual as a teaching aid.
- 23) 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. Type 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.

24) 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.

25) 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 support galvanized steel shapes and plates: steel shapes complying with ASTM A 36/A 36M.

26) 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: one-part, nonsag, solvent-release-curing, polymerized butyl sealant, formulated with a minimum of 75 percent solids. Flanged joint mastics: one-part, acid-curing, silicone, elastomeric joint sealants, complying with ASTM C 920, type S, grade NS, class 25, use 0.

27) All HVAC equipment such as AH, CU, EF, AC, HP, and RTU shall have visible nameplates with their associated marks on them.

28) Cabinet Exhaust Fan: Centrifugal Fan Unit: Direct driven with galvanized steel housing, resilient mounted motor, gravity backdraft damper in discharge. Disconnect Switch: Cord and plug in housing for thermal overload protected motor and wall mounted switch. Bottom of fan cabinet shall be removable for service to unit. Refer to Schedule on Drawings for additional specifications.

29) Electric Wall Mount Heater: Heater shall be UL listed and labelled with terminal box and cover, and built-in controls. Heater shall be made in three pieces consisting of back enclosure, heater assembly and front panel. Front panel shall be attached with concealed fasteners. Heating Elements: Nickel-chromium heating element wire shall be encased in a steel or copper sheath. Aluminum fins shall be pressure bonded to the sheath. Enclosure: Enclosure shall be minimum 20-gauge pointed steel for surface mounting. Front Panel: Bar grille type with down deflection toward floor. Finish shall be paint on steel bars. Grille shall be surrounded by decorative satin finished aluminum accent frame. Unit shall be fan forced type including fan motor, fan, and controls with thermostat adjustment accessible through front grille. Unit shall also include thermal safety cutouts in the event of over temperature conditions. Refer to Schedule on Drawings for additional specifications.

30) Acceptable Manufacturers are:

Fans:

Twin-City, Cook, Greenheck, Penn Barry, Acme, American Cool Air, Captive Air, Solar & Palau

Electric Heaters:

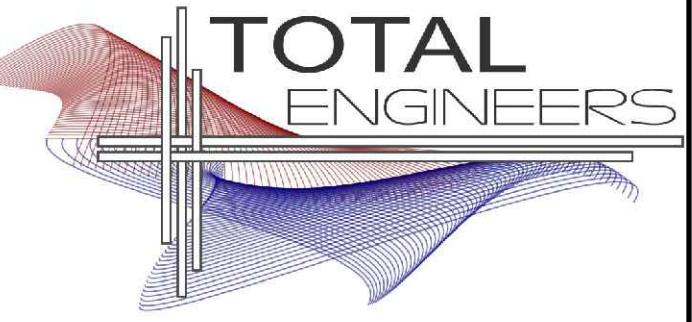
Markel, Q-Mark, Ray wall, Indica, Chromalox

ELECTRIC CABINET HEATER SCHEDULE				
MARK	HEATER KW	VOLTS/PH	BASIS OF DESIGN	NOTES
EWH-1	1.5	120/1	BROAN 174	1:2:3
EWH-2	1.5	120/1	BROAN 174	1:2:3
EWH-3	1.5	120/1	BROAN 174	1:2:3

FAN SCHEDULE								
MARK	CFM	EXT. SP IN W.G.	DRIVE TYPE	MOTOR HP/W	MAX FAN RPM	MAX TIP SPEED FPM	POWER PHASE	LAY-OUT BASIS: GREENHECK
EF-1	300	0.3	DIRECT	55 W	1198	---	115/1	SP-B150

AIR DEVICE SCHEDULE								
MARK	SERVICE	NECK SIZE	FACE SIZE	MATERIAL	TYPE	PATTERN	MOUNTING TYPE	LAYOUT BASIS
E1	EXHAUST	SEE PLANS	12" x 12"	ALUMINUM	EGGRATE	---	LAY-IN	50F

MECHANICAL SYMBOLS & ABBREVIATIONS LEGEND								
	NEW PIPE, DUCTWORK OR EQUIPMENT							
	DUCT SIZE: FIRST DIMENSION IS SIDE DRAWN							
	FLEXIBLE ROUND DUCTWORK							
	FIRE DAMPER, SMOKE DAMPER, SMOKE DETECTOR							
	CEILING SUPPLY DIFFUSER							
	CEILING RETURN OR EXHAUST AIR							
	SA DUCT OUT OF TU BOX WITH DUCT LINER FOR THE FIRST FIVE FEET OF DUCT OUT OF TU BOX							
	SIDEWALL REGISTER OR GRILLE							
	CHANGE IN PIPE OR DUCT SIZE OR SHAPE							
	REFRIGERANT PIPING							
	CONDENSATE OR OTHER DRAIN PIPING							
	ELBOW TURNED DOWN OR TURNED UP IN PIPING							
	THERMOSTAT, ARROW SHOWS CONTROL WIRING PATH							
	TIME CLOCK							
	DIAMETER							
	UNDER-CUT DOOR 3/4", UNLESS OTHER SIZE NOTED							
	INDICATES EQUIPMENT ON PLANS; TOP ITEM SHOWS TYPE OF EQUIPMENT AND BOTTOM ITEM SHOWS SPECIFIC MARK NUMBER							
4	ITEM IN HEXAGON SHOWS AIR DEVICE MARK NUMBER, ITEM ABOVE LINE SHOWS NECK SIZE, ITEM BELOW LINE SHOWS AIR FLOW THROUGH DEVICE, AND NUMBER IN FRONT SHOWS QUANTITY IF MORE THAN ONE	8"	300					
	ABOVE FINISHED FLOOR							
	BYPASS DAMPER							
	BTUH, MBH							
	CAPACITY							
	CUBIC FEET PER MINUTE							
	CEILING							
	CONDENSING UNIT							
	DB, WB							
	EA, EG							
	EF							
	EXTERNAL STATIC PRESSURE (USUALLY EXPRESSED IN INCHES OF WATER IN GAGE)							
	MANUAL VOLUME DAMPER							
	OA							
	RA, RG							
	SA							
	VAC, PH							
	W, KW							
	UH							
	ACCESS DOOR							
	RADIUS ELBOW (R=1.5)							
	LANED ELBOW							



169 New Street, Macon, GA 31201
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www.totalengineers.com

REGISTRATION SEAL

REVIEW SET NOT FOR CONSTRUCTION

CENTRAL PARK

3134 PONDEROSA DR SW, COVINGTON, GA 30014



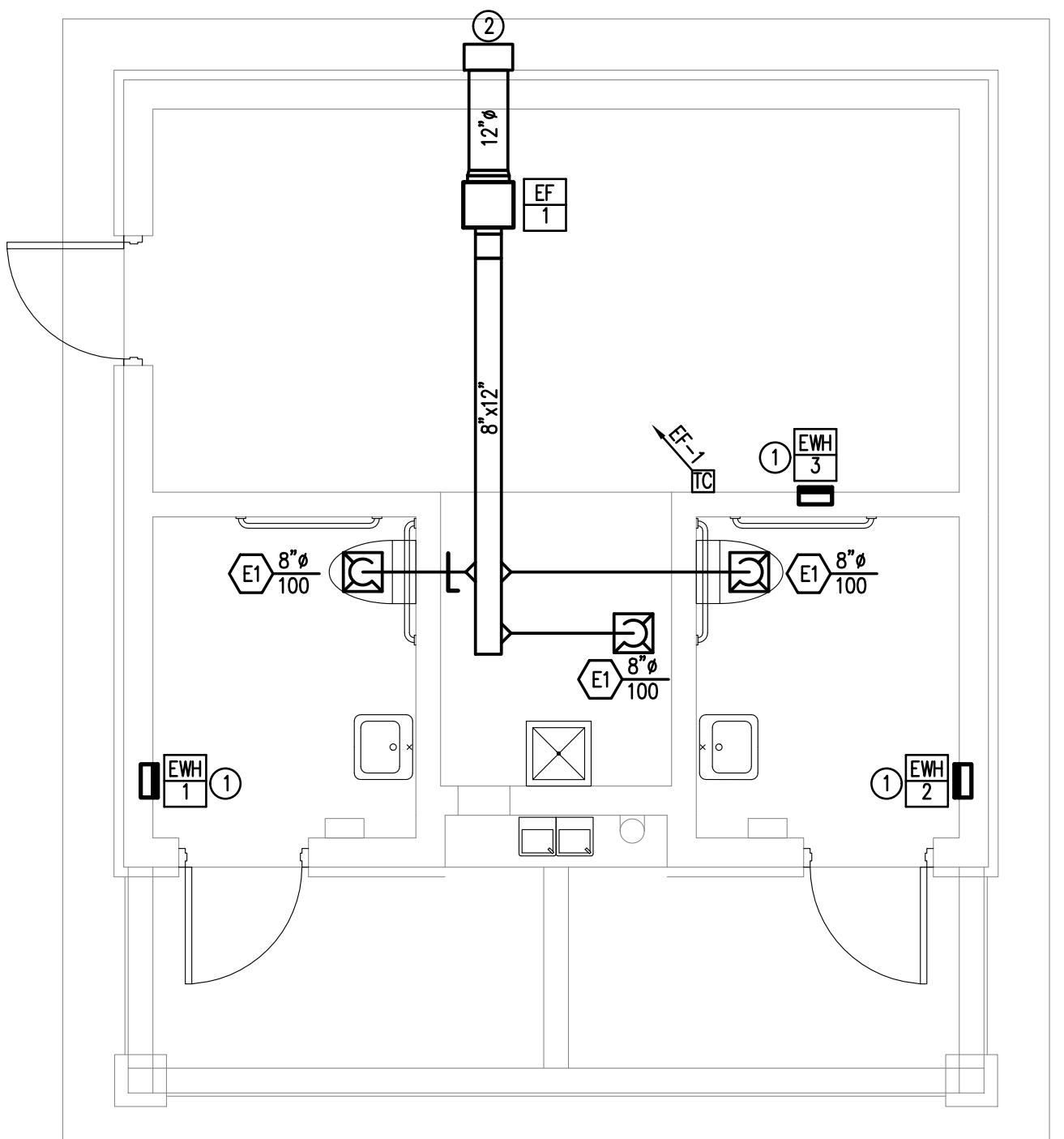
COVINGTON georgia

The logo for Sunbelt Builders features the company name in a stylized, lowercase font where the letters 'u' and 'n' are merged. A red horizontal bar below the letters contains the word 'BUILDERS' in white, uppercase letters. To the left of the logo is a red circle. To the right is a green, semi-transparent banner with the word 'georgia' written in white. Below the logo is a blue horizontal bar. The contact information is displayed on this bar: the address '10641 Highway 36, Covington, GA 30014' in white, the phone number '(770)786-3031' in white, and the website 'www.sunbeltbuilders.com' in white.

DATE: 04-30-25	PROJECT NUMBER: 25-039	
DRAWN BY:	CHECK BY:	

DRAWN BY: JWK	CHECK BY: KMP
SHEET TITLE: MECHANICAL PLAN	

M1.1



1 MECHANICAL PLAN
SCALE: $1/4''=1'-0''$

KEY NOTES(THIS SHEET ONLY):

- ① MOUNT HEATER AT 7'-6" AFF.
- ② 12"Ø EXHAUST AIR WALL CAP. PAINT TO MATCH EXTERIOR WALL.

ALPHA BLDG SET 09-03-2025

M1.1

NEW RESTROOM BUILDING
CENTRAL PARK

3134 PONDEROSA DR SW,
COVINGTON, GA 30014

ELECTRICAL SPECIFICATIONS

DIVISION 26

ELECTRICAL

SECTION A: GENERAL ELECTRICAL REQUIREMENTS

1. THESE PLANS AND SPECIFICATIONS APPLY TO NEW RESTROOM BUILDING FOR CENTRAL PARK, 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 PERMIT AND FEES SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR. 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.

5. ALL WORK PERFORMED SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM 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 THE FAULTY EQUIPMENT WITHIN A REASONABLE TIME PERIOD WITHOUT CHARGE TO THE OWNER.

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

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

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

9. 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.

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

11. 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 AMPS, REQUIRED VOLTAGE AND CURRENT REQUIREMENTS, AND MANUFACTURER SUGGESTED OVERSIZE PER UNIT 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 ADJUSTMENT TO THE BRANCH CIRCUITS PER THE CURRENT NEC AT NO ADDITIONAL COST TO THE OWNER. WHERE EQUIPMENT IS APPROVED FOR REQUIREMENTS FOR EQUIPMENT DUE TO OWNER'S ARCHITECT/ENGINEER APPROVED VALUE ENGINEERING CHANGES TO EQUIPMENT, THE COST MUST BE INCLUDED IN THE VALUE ENGINEERING OVERALL CHANGE ORDER COST. COSTS DUE TO ADJUSTMENTS IN BRANCH CIRCUITRY 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 WILL BE PROVIDED BY 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 CONTRACTOR'S 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/THWN-2 DUAL RATED 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 120/277 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" EMT, POWER CIRCUITS FOR HUMID EQUIPMENT SHALL BE IN 3/4" ELECTRICAL METAL CONDUIT. CONDUIT SHALL BE SUPPORTED FROM STRUCTURE OR INTERIOR CONDUIT SUPPORT. 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, CONDUIT SHALL BE RACKED WITH SPACERS EVERY FOUR FEET. A MAXIMUM SPACING BETWEEN CONDUITS IS 12". IMC, BAKELITE 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 IN ACCORDANCE WITH THE NEC, WHICHEVER GREATER.

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

6. JUNCTION BOXES SHALL BE PROVIDED WITH COVERS AND ALL UNUSED OPENINGS SHALL BE PLUGGED. 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" 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 (TYPE "TR").

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 A WATERPROOF 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 MOUNTED IN DIE CAST NON CORRODING METAL BOX. 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 SEPARATION.

ALPHA BLDG SET 09-03-2025

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER
A	LINEAR VAPORITE FIXTURE, NOMINAL 4 FT. HOUSING, SURFACE MOUNTING, FIBERGLASS REINFORCED POLYESTER HOUSING, LOW PROFILE PRISMATIC, MEDIUM DISTRIBUTION, HIGH IMPACT POLYCARBONATE LENS OPTION; WET LOCATION AND IP67 LISTED, PROVIDE 1400 LUMEN EMERGENCY BATTERY PACK WHERE INDICATED ON THE DRAWINGS. LAMPS: LED, 4000 LUMENS, 39 WATTS, 3500 DEGREE K DRIVER: UNV. VOLT	COLUMBIA "LXEM" SER., METALUX "VT3" SER., LITHONIA "FEM" SER.
B	LINEAR VANDAL RESISTANT FIXTURE, NOMINAL 4 FT. HOUSING, WALL MOUNTED HORIZONTALLY; DIE-FORMED STEEL HOUSING, EXTRUDED PRISMATIC POLYCARBONATE LENS, DAMP LOCATIONS LISTED. PROVIDE 1200 LUMEN EMERGENCY BATTERY PACK. LAMPS: LED, 5600 LUMENS, 54 WATTS, 3500 DEGREE K BALLAST: UNV. VOLT	LUMINAIRE LED "CLF" SER., LIFESHIELD "PVNT" SER., OR APPROVED EQUAL
OA	COMMERCIAL GRADE DOWNLIGHT, RECESSED SELF FLANGED, 6 IN. ROUND APERTURE, SPECULAR REFLECTOR FINISH; ACCESS FROM BELOW OR ABOVE CEILING; STANDARD 0-10 DIMMING; WET LISTED FOR COVERED CEILING. LAMPS: LED, 1500 LUMENS, 18 WATTS, 4000 DEGREE K BALLAST: UNV. VOLT	HALO COMMERCIAL "HGC" SER., LITHONIA "LDN" SER., PRESCOLITE "LFR-GRD" SER., LIGHTOLIER "GN-CGL" SER.
OB	BUILDING MOUNT WALL PACK, WEDGE / TRAPEZOID SHAPE DIE CAST HOUSING, TYPE 4 WIDE DISTRIBUTION, IP65 RATED OR BETTER, MOUNTED BACK PLATE AND LED PANELS. WALL MOUNT FIXTURE SUCH THAT FIXTURE BOTTOM ELEVATION IS 8'-6" ABOVE GROUND. LAMPS: LED, 4500 LUMENS, 35 WATTS, 4000 DEGREE K BALLAST: UNV. VOLT	LITHONIA "WDGE" SER., MCGRAW-EDISON "1ST" SER., BEACON "TRP2" SER.
OD	EXTERIOR ARCHITECTURAL STYLED LOW PROFILE LED EMERGENCY LIGHTING UNIT, SELF DIAGNOSTICS STANDARD, WET LOCATION WITH FULLY GASKETED HOUSING AND -20C TO 50C OPERATION, PRISMATIC POLYCARB REFRACTOR, 90 MIN. BACK-UP BATTERY, BRONZE / BLACK SELECTED BY ARCHITECT. LAMPS: LED, 3 WATTS BALLAST: 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.

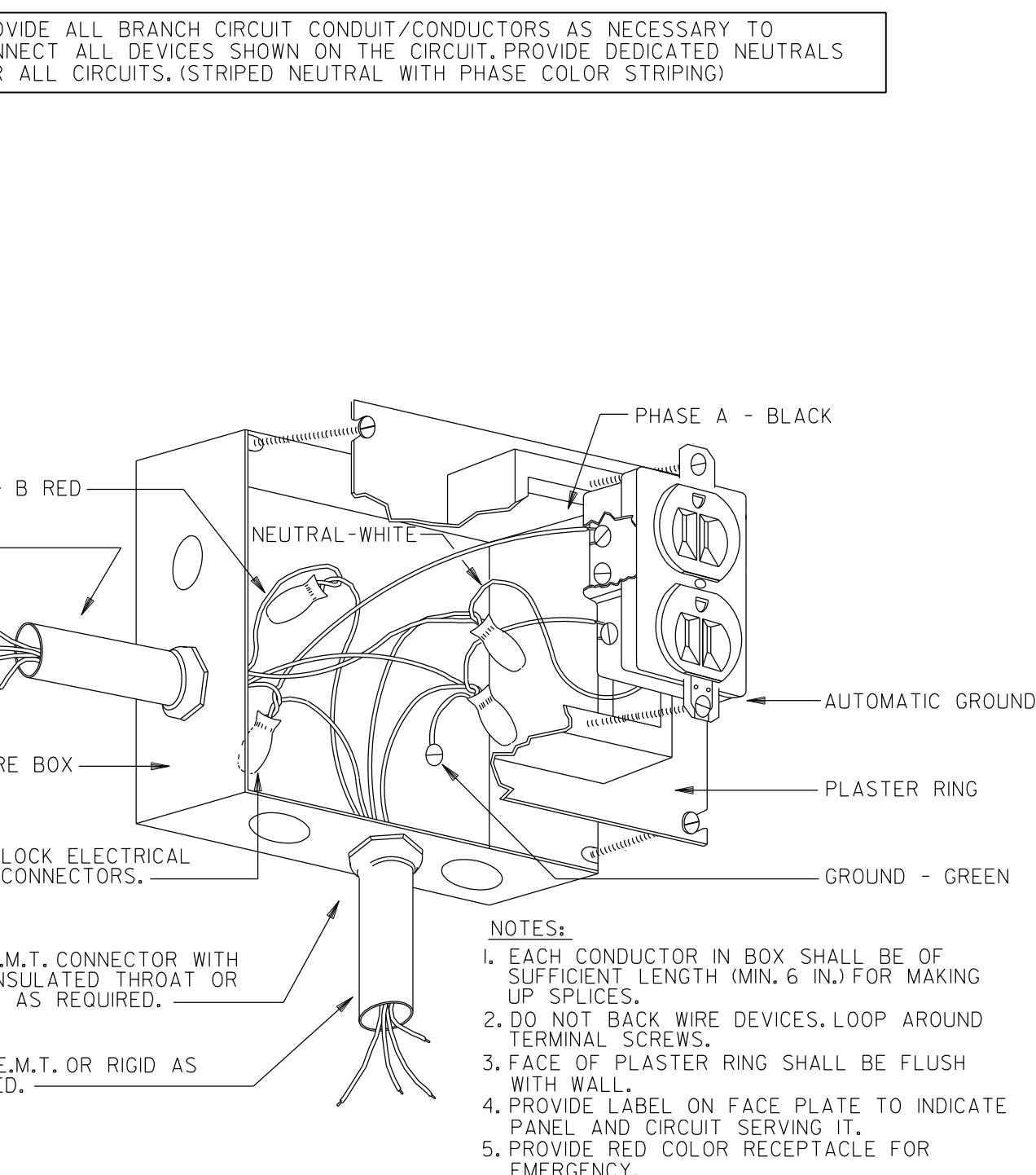
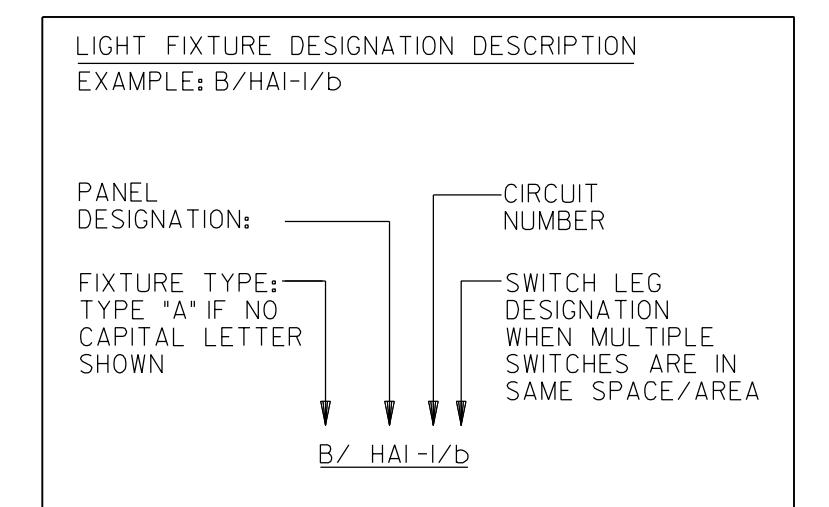
ELECTRICAL LEGEND

LIGHTING AND POWER	
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL, HASH MARKS INDICATE NUMBER OF CONDUCTORS. (3 WIRE UNLESS SHOWN)
	CONDUIT RUN CONCEALED BELOW FLOOR SLAB, OR UNDERGROUND.
	HOMERUN TO PANELBOARD, LETTER OR LETTERS INDICATE PANELBOARD. NUMBERS INDICATES CIRCUIT NUMBERS.
	LIGHT FIXTURE, SEE SCHEDULE FOR MOUNTING AND TYPE.
	LIGHT FIXTURE, SEE SCHEDULE FOR MOUNTING AND TYPE. PROVIDE WITH 1100 LUMEN, 90 MINUTE BATTERY PACK.
	LIGHTING FIXTURE, WALL BRACKET MOUNTED. (MOUNTING HEIGHT AS NOTED ON DRAWINGS OR AS SHOWN ON ARCHITECTURAL ELEVATIONS.)
	DUPLEX CONVENIENCE OUTLET, GFI TYPE, 18 IN. MOUNTING HEIGHT. "WP" WHERE SHOWN INDICATES WEATHERPROOF, PROVIDE METAL IN-USE WEATHERPROOF COVERPLATE.
	DUPLEX CONVENIENCE OUTLET, GFI TYPE, MOUNTED 8 INCHES ABOVE COUNTER OR AT 42 IN. ABOVE FLOOR.
	SINGLE POLE TOGGLE SWITCH, 42 IN. ABOVE FLOOR.
	PANELBOARD, SEE SCHEDULE.
	DISCONNECT SWITCH.
	MOTOR.
LIGHTING CONTROL SENSORS	
	COMBINATION 360 DEGREE, ULTRASONIC AND PASSIVE INFRARED SENSOR (WATT STOPPER "DT-300", GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH).
	WALL MOUNTED SENSOR SWITCH, A2 IN. MOUNTING HEIGHT (WATTSTOPPER DSW-301, GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH).

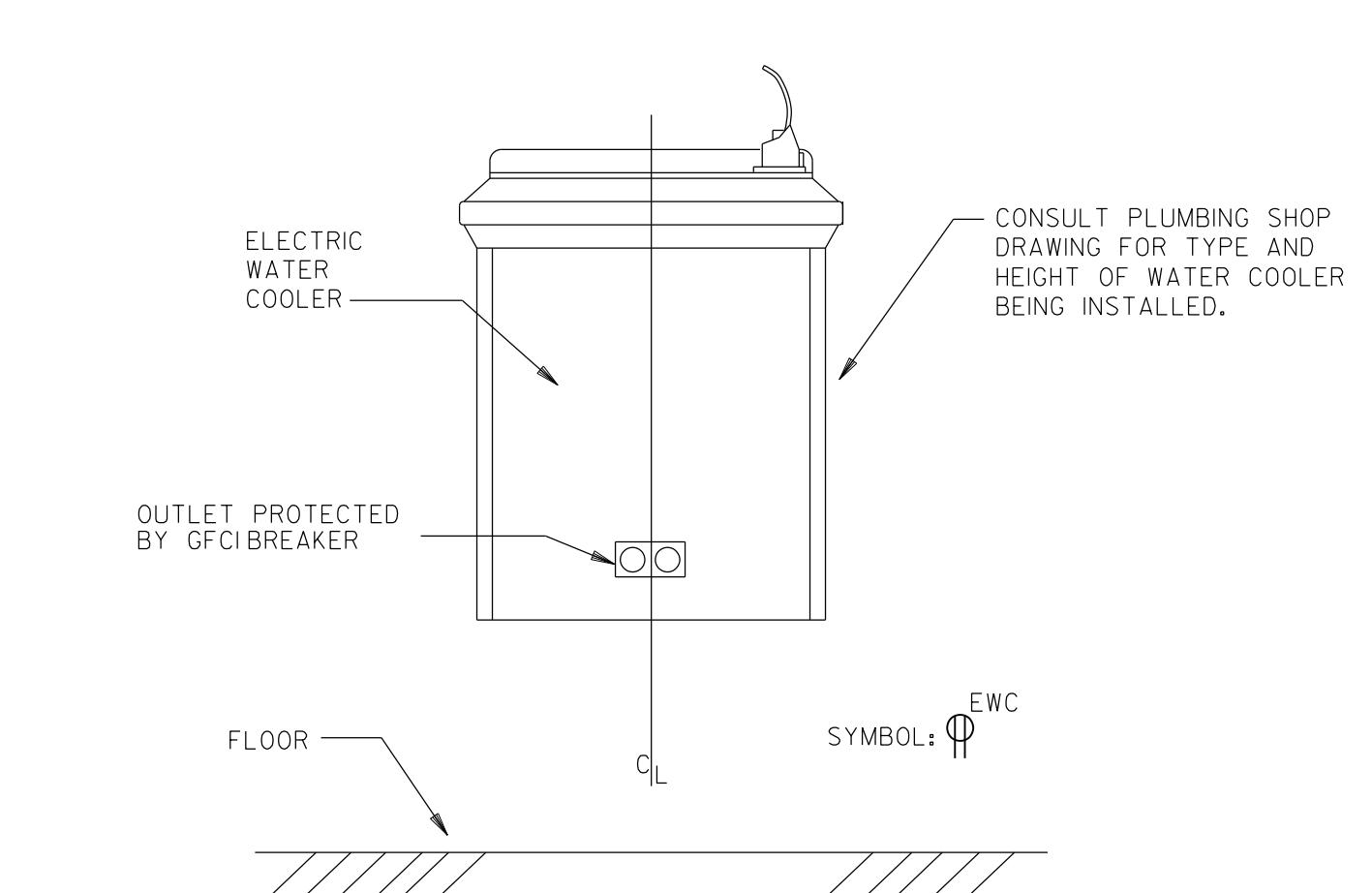
NOTES:
1. ALL MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET OR DEVICE.
2. ALL RECEPTACLES SHALL BE TAMPER RESISTANT (TYPE "TR").

GENERAL NOTES:

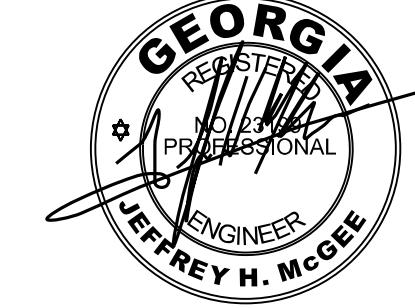
- ALL FLUSH RECESSED OUTLET BOXES SHALL BE INSTALLED SUCH THAT THE FRONT EDGE OF THE BOX WILL NOT BE SET BACK OF THE FINISHED SURFACE MORE THAN 1/4IN. IN ORDER TO COMPLY WITH N.E.C. 314-20, SUPPORT OUTLET BOX BY RECEPTACLE AND COVERPLATE IS NOT ACCEPTABLE, CAREFULLY COORDINATE ROUGH-IN WITH BLOCK MASON AND GROUT-IN CELL CONTAINING OUTLET BOX.
- DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT OR OUTLETS. MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
- 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.
- ALL RECEPTACLES SHALL BE TAMPER RESISTANT (TYPE "TR").



RECEPTACLE CONNECTION DETAIL
E.I.I. NOT TO SCALE



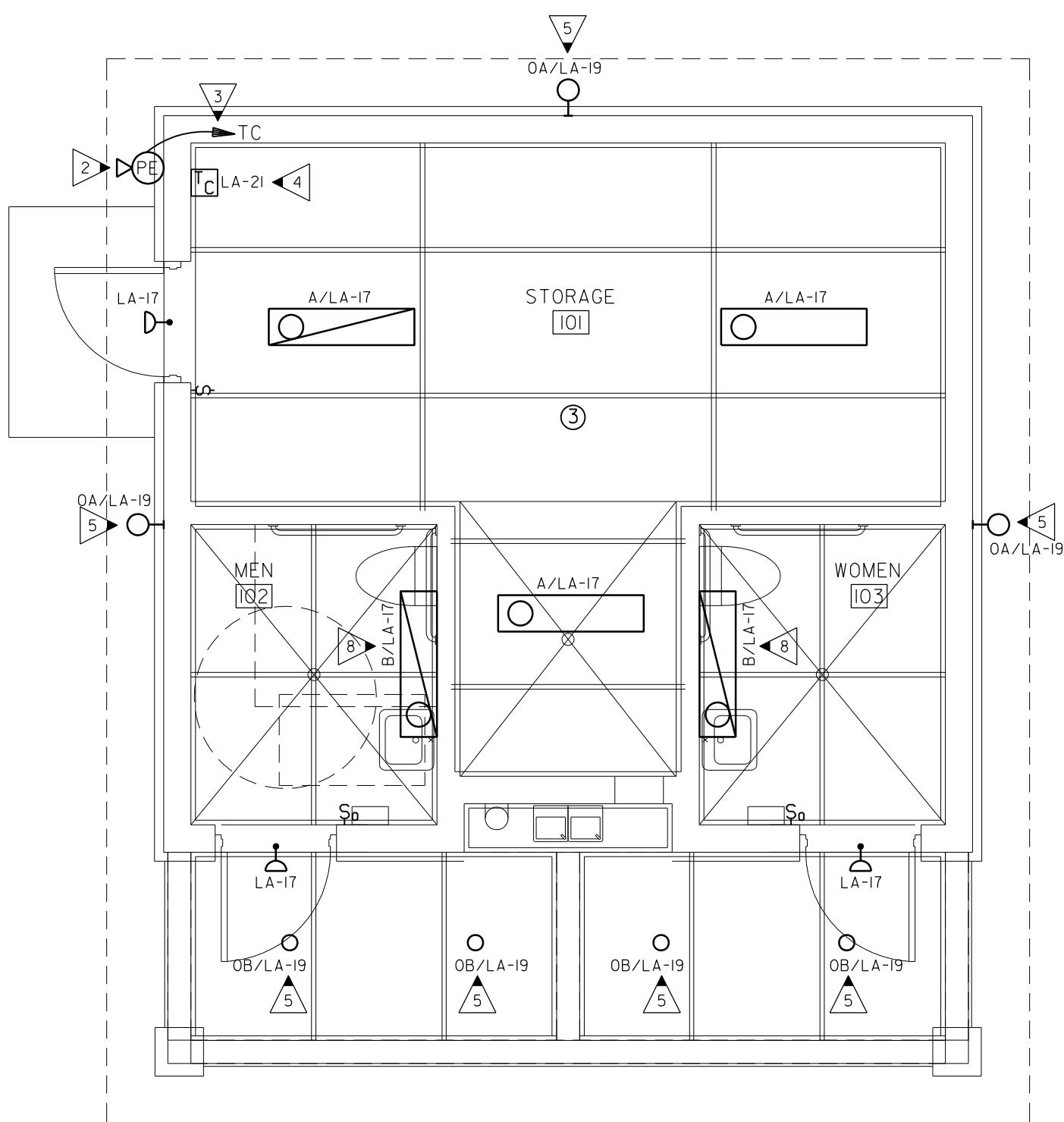
TYPICAL RECEPTACLE LOCATION @
ELECTRIC WATER COOLER
NOT TO SCALE



ELECTRICAL LEGEND, SCHEDULES, AND SPECIFICATIONS

E.I.I.

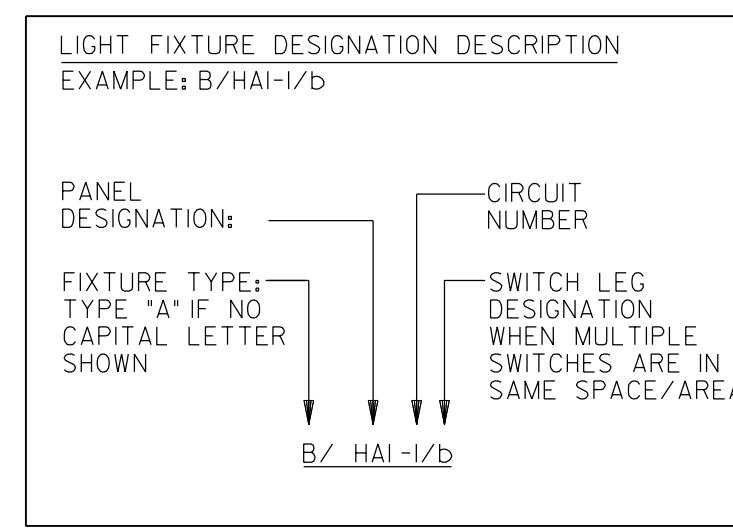
ALPHA BLDG SET 09-03-2025



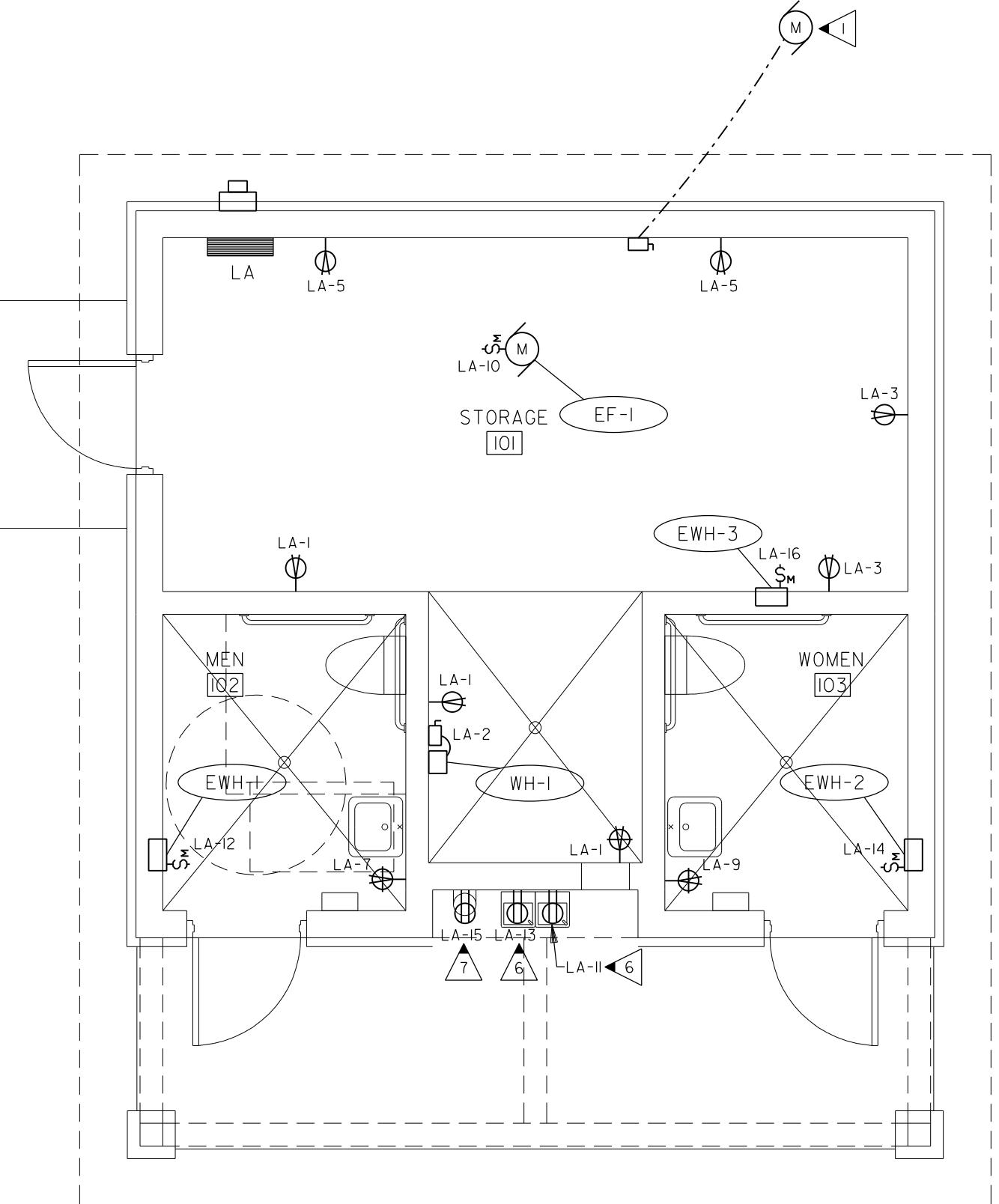
LARGE SCALE FLOOR PLAN - LIGHTING

GENERAL LIGHTING NOTES: (THIS SHEET ONLY)

- A. 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.
- B. ALL AREA'S OF THIS PLAN REQUIRE OCCUPANCY SENSOR COVERAGE SEE LIGHTING SENSOR LEGEND E.I.(TYPICAL).
- C. 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.
- D. CEILING SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSOR WITH MECHANICAL AND LIGHTING PLANS.
- E. 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 $\frac{3}{8}$ IN. THREADED ROD. WHERE CEILING HEIGHTS EXCEED 15 FT.-0 IN. WALL MOUNT SENSORS AT 12 FT.-0 IN.
- F. PROVIDE UNSWITCHED HOT CONDUCTOR TO ALL EMERGENCY AND EXIT LIGHTS.



PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS. (STRIPED NEUTRAL WITH PHASE COLOR STRIPING)



LARGE SCALE FLOOR PLAN - POWER

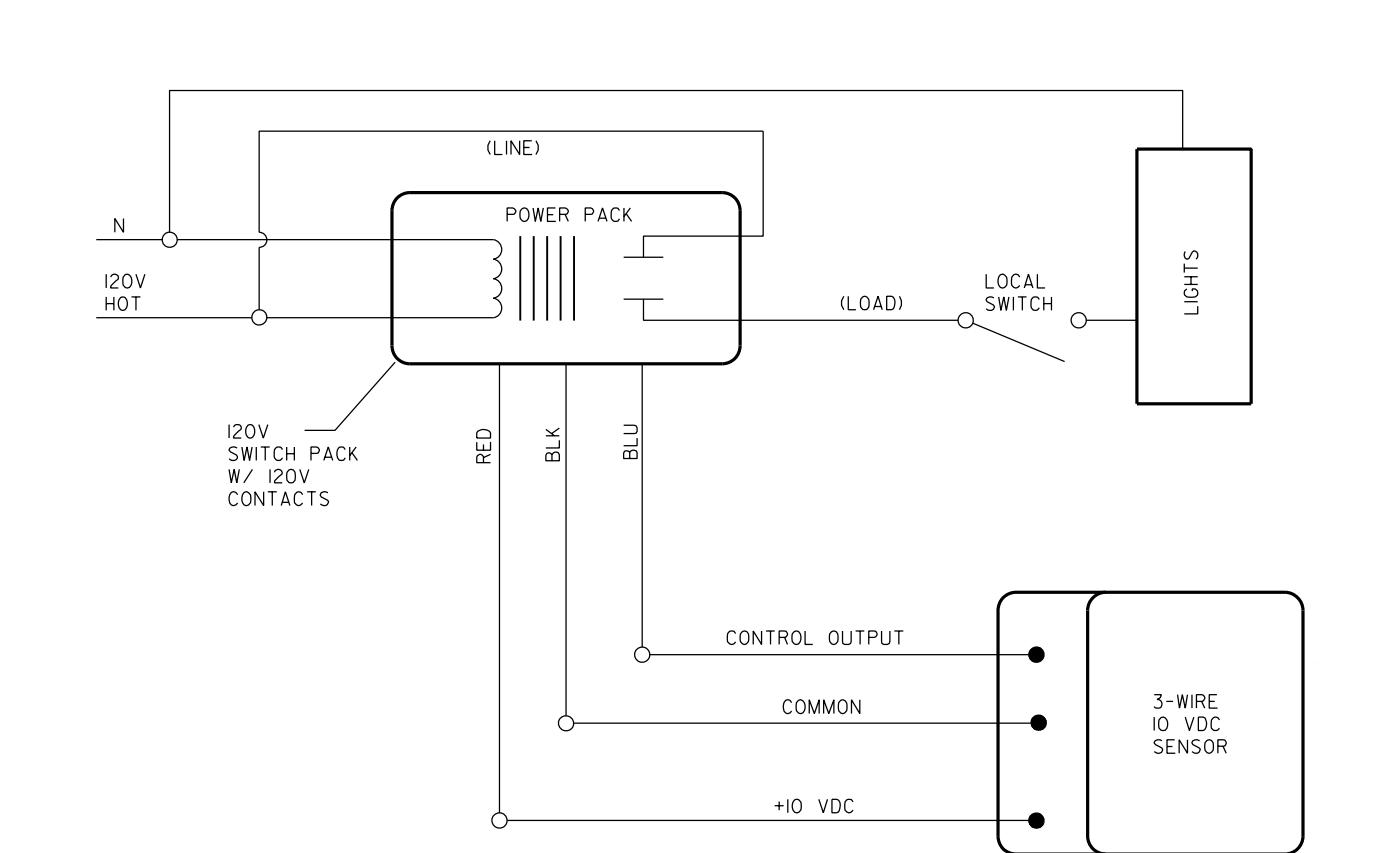
GENERAL NOTES: (THIS SHEET ONLY)

- A. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. PRIOR TO ELECTRICAL ROUGH-IN.
- B. ALL FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
- C. COORDINATE FINAL RECEPTACLE LOCATIONS WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN. NO EXCEPTIONS.
- D. 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.
- E. FIRE SEAL ALL FIREWALL PENETRATIONS.

KEYED NOTES: (THIS SHEET ONLY)

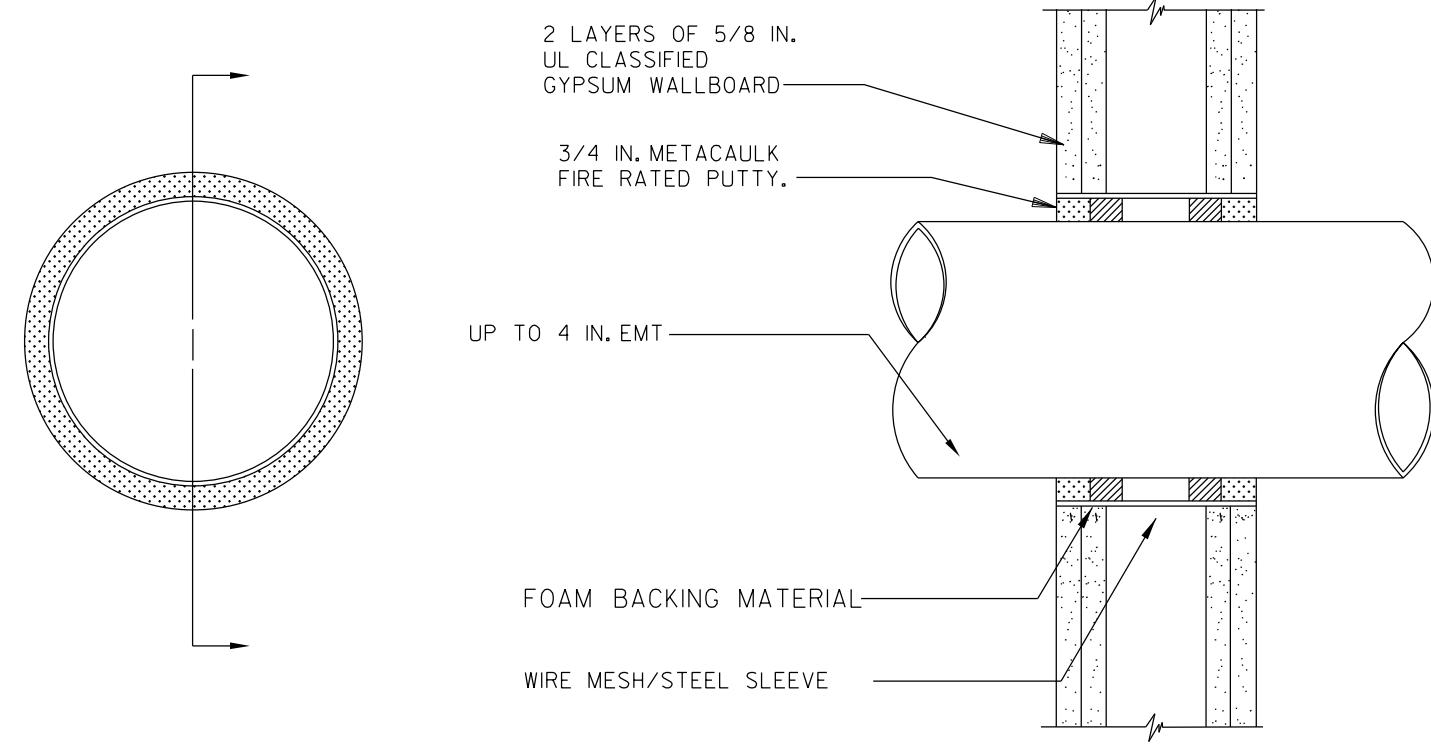
- 1 GRINDER PUMP STATION. DESIGN BASIS 240V, 5 HP, 60A/2P BREAKER, 60A/2P LOCKABLE FUSED DISCONNECT (FUSES SIZER PER EQUIPMENT MOCP), 3#6, #8G., 1IN. C. VERIFY EXACT POWER REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. COORDINATE EXACT LOCATION OF GRINDER PUMP STATION WITH OWNER/ARCHITECT PRIOR TO ANY ELECTRICAL WORK.
- 2 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.
- 3 ROUTE 5#I2, 1/2 IN. C. TO LIGHTING CONTROL TIME CLOCK FOR AUXILIARY SWITCH CONTROL INPUT.
- 4 PROVIDE 365 DAY DIGITAL PROGRAMMABLE TYPE ELECTRONIC CONTROL TIMECLOCK WITH MINIMUM 4 CONTACTS AND MINIMUM 96 ON/OFF EVENTS PER WEEK. CONTACTS RATED FOR MINIMUM 30 AMPS AND 120 VOLTS. PROVIDE WITH NEMA TYPE I ENCLOSURE AND CAPACITOR BACKUP. PROVIDE WITH AUTO-ON-OFF FUNCTION. PROVIDE AUXILIARY INPUT FROM PHOTO CELL FOR OVERRIDE ON OR OFF CONTROL.
- 5 ROUTE VIA 4 POLE EXTERIOR LIGHTING CONTACTOR/TIMECLOCK LOCATED IN STORAGE ROOM. PHOTO CELL SHALL CONTROL DUSK TILL DAWN OPERATION. TIMECLOCK SHALL INTERRUPT CIRCUIT DURING MIDNIGHT HOURS. SEE KEYED NOTE 4. USE #10'S ENTIRE CIRCUIT. PROVIDE MANUAL OVERRIDE SWITCH. COORDINATE FINAL LOCATION WITH OWNER.
- 6 ELECTRIC WATER COOLER. REFER TO TYPICAL RECEPTACLE LOCATION @ WATER COOLER DETAIL, 2/EI.I.
- 7 DOG WATERING STATION. COORDINATE EXACT LOCATION OF RECEPTACLE FOR WATERING STATION WITH EQUIPMENT PROVIDER AND MANUFACTURER RECOMMENDATIONS PRIOR TO ROUGH-IN.
- 8 MOUNT FIXTURE HORIZONTALLY ON WALL. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL PRIOR TO ROUGH-IN.

MECHANICAL EQUIPMENT POWER SCHEDULE						
UNIT NAME	VOLTAGE/PHASE	CIRCUIT BREAKER	PANEL NAME/CIRCUIT NUMBER	FEEDER	DISCONNECT SWITCH	NOTES
EWH-1	120V	20A/1P	LA-12	2#12, #12G., 3/4 IN. C.	MOTOR RATED SWITCH	1
EWH-2	120V	20A/1P	LA-14	2#12, #12G., 3/4 IN. C.	MOTOR RATED SWITCH	1
EWH-3	120V	20A/1P	LA-16	2#12, #12G., 3/4 IN. C.	MOTOR RATED SWITCH	1
EF-1	120V	20A/1P	LA-10	2#12, #12G., 1/2 IN. C.	MOTOR RATED SWITCH	1,2
WH-1	240V	50A/2P	LA-2	3#6, #10G., 1 IN. C.	60A/2P	
NOTES:	1. SEE MECHANICAL FOR EXACT CONTROL REQUIREMENTS. 2. FAN SHALL BE CONTROLLED BY A 365 DAY DIGITAL TIME CLOCK LOCATED IN STORAGE 101. TIME CLOCK SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL. COORDINATE INSTALLATION WITH MECHANICAL.					



SCHEMATIC WIRING DIAGRAM - SENSOR CONTROL - LIGHTING

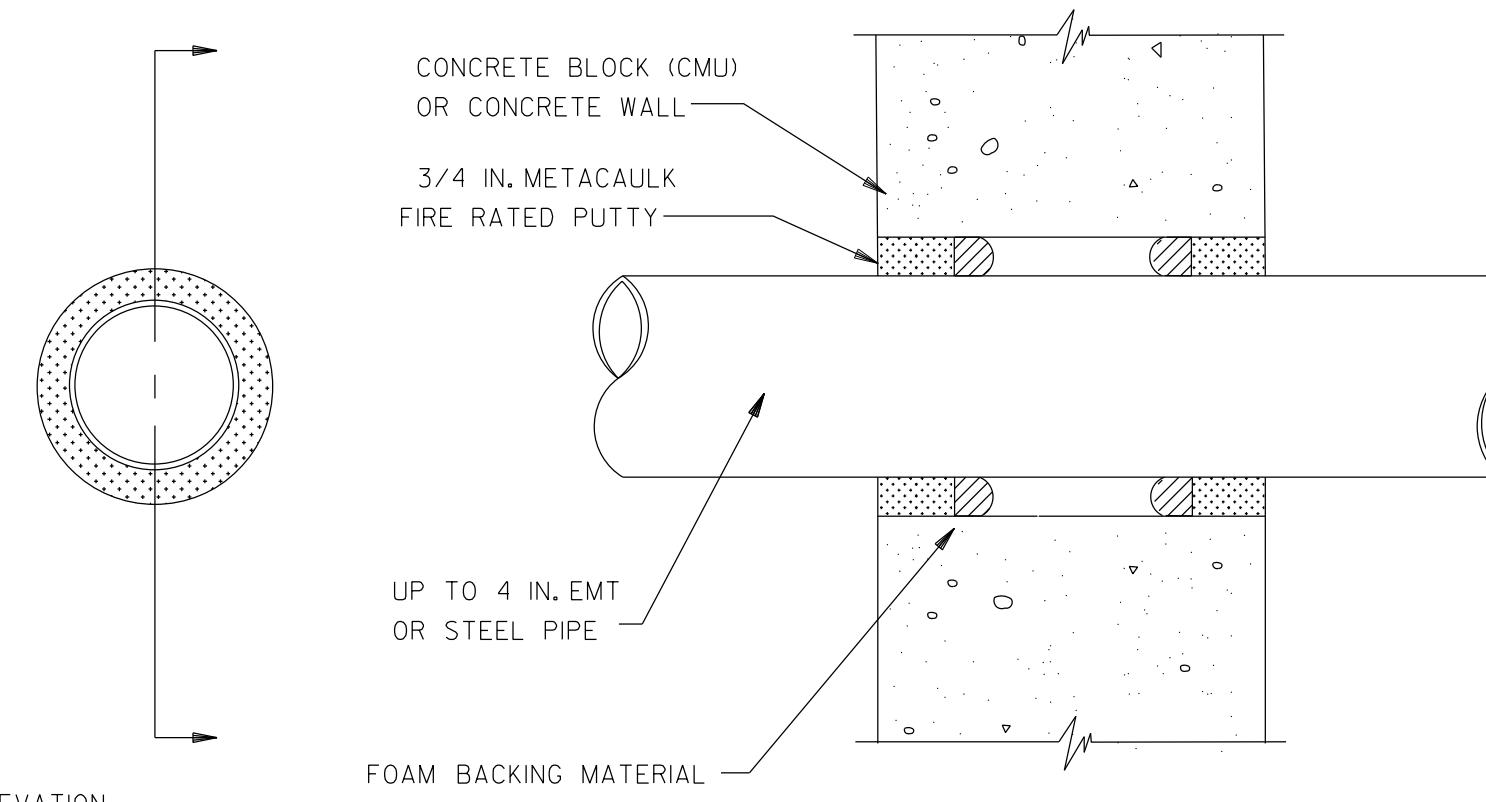
NOT TO SCALE (SEE MANUFACTURERS RECOMMENDATION
FOR SCHEMATIC WHERE MULTIPLE SENSORS
OCUR IN SAME SPACE.)



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

4 DETAIL - GYPSUM WALLBOARD PENETRATION

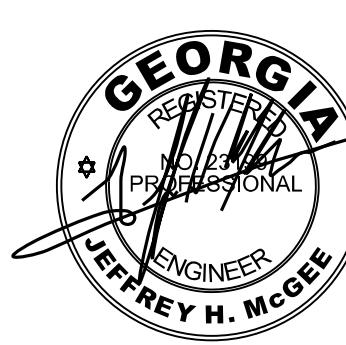
NOT TO SCALE



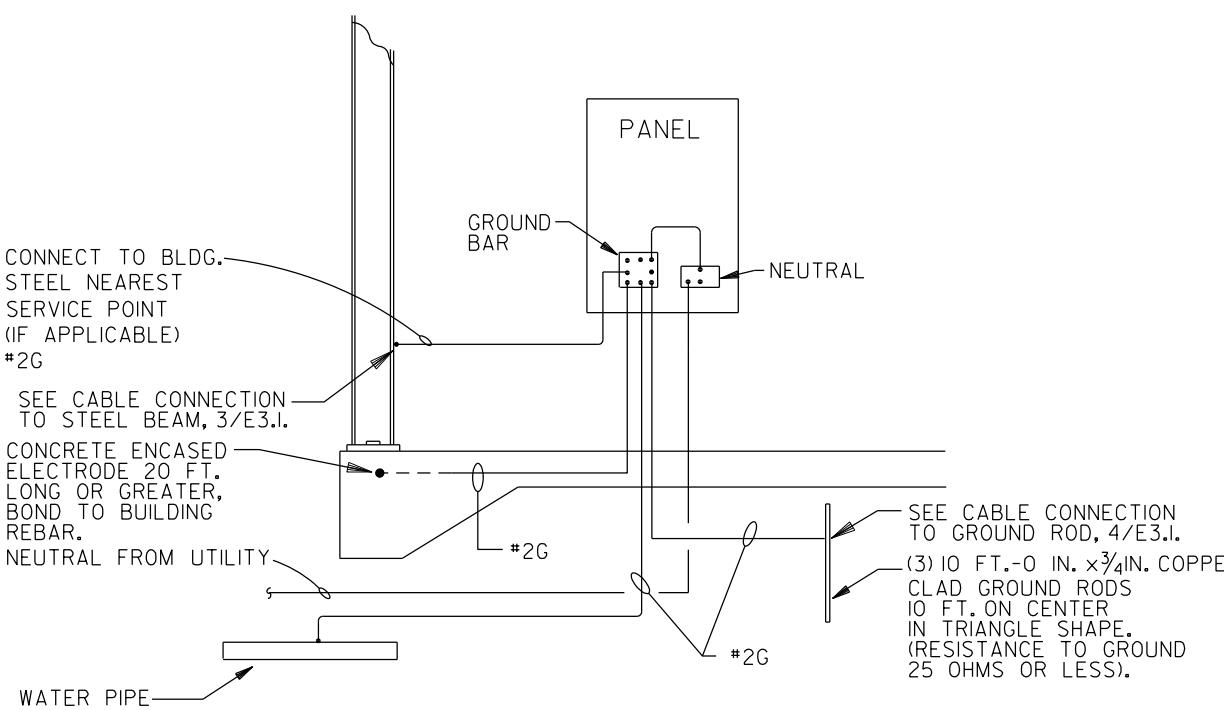
NOTE: WHERE CONDUIT IS USED AS A SLEEVE FOR ROUTING LOW VOLTAGE CABLES THROUGH A RATED WALL, LOCATE CONDUCTORS IN CENTER OF SLEEVE AND FILL OPENING WITH FIRE RATED PUTTY AT EACH END OF SLEEVE.

5.1 DETAIL - CONCRETE WALL PENETRATION

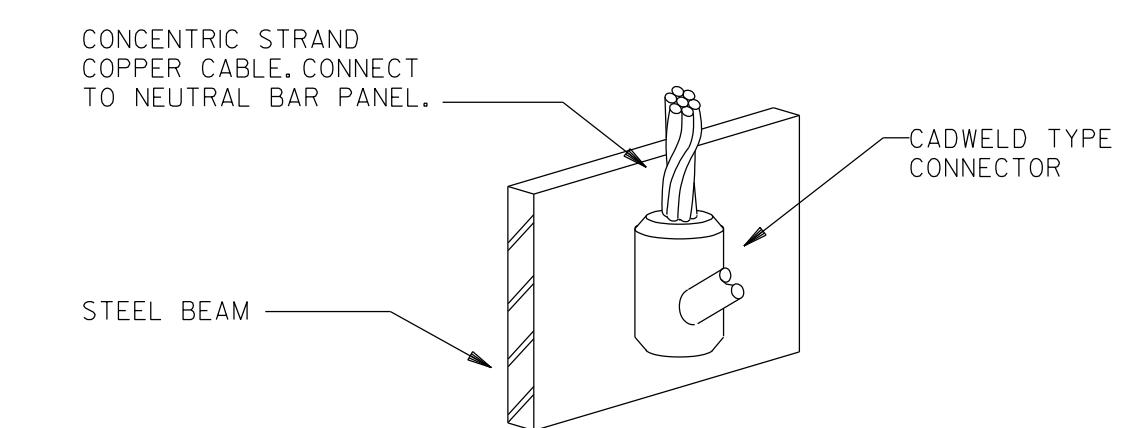
2.1 NOT TO SCALE



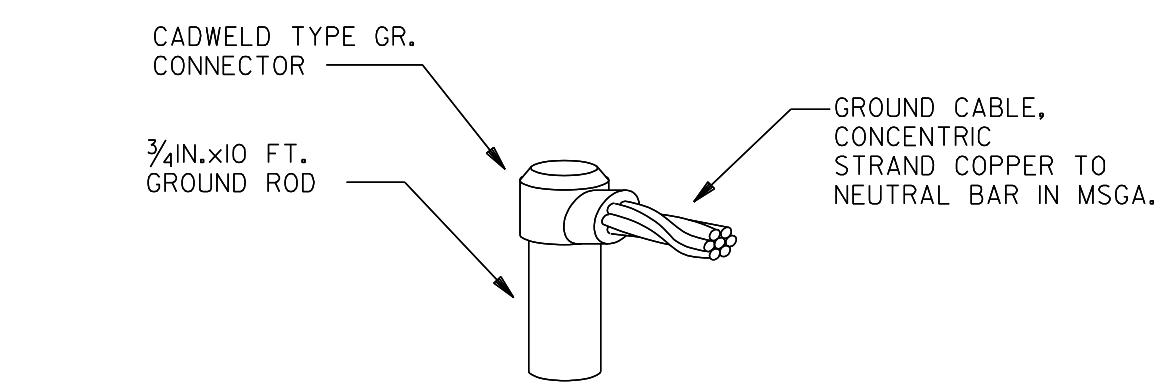
ALPHA BLDG SET 09-03-2025



2
E3.1
NOT TO SCALE



3
E3.1
NOT TO SCALE



4
E3.1
NOT TO SCALE

COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: New Restroom Building Central Park
Project Type: New Construction

Construction Site: 3134 Ponderosa Dr SW
Covington, GA 30014

Owner/Agent: Electrical Design Consultants
175 New Street
Suite 1
Macon, GA 31201

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	B	C	D	E
Area Category	Floor Area (ft ²)	Allowed Watts / ft ²	Allowed Watts (B x C)	
1-Restroom & Storage (Warehouse)	387	0.66	255	
			Total Allowed Watts =	255

Proposed Interior Lighting Power

A	B	C	D	E
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixtures	Fixture Watt.	(C x D)
1-Restroom & Storage (Warehouse)				
A: A LINEAR VAPORITITE: LED Other Fixture Unit 40W	1	3	39	117
B: B: VANDAL RESISTANT WALL MOUNT: LED Other Fixture Unit 50W	1	2	54	108
			Total Proposed Watts =	225

Interior Lighting PASSES: Design 12% 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

05/05/25
Signature
Date

COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

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Jeffrey H. McGee, PE
Name - Title

05/05/25
Signature
Date

KEYED NOTES: THIS SHEET ONLY

1. METER BASE SUPPLIED AND INSTALLED BY CONTRACTOR. PROVIDE 200A, 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/E3.1.

3. 3 1/2" x 4 1/2" I-2 IN. C.

Diagram showing a utility company pad-mounted transformer. The transformer is connected to a utility company primary line. A service panel (LA) is connected to the transformer. A note specifies that the transformer location should be exact and provided by the utility company.

POWER RISER DIAGRAM
EI-1
NOT TO SCALE

VOLTAGE		120 240		PANEL		LA		LOCATION		STORAGE 101	
PHASE 1 WIRE 3		200		MAIN AMPS		200		MOUNTING MAIN		SURFACE BREAKER	
DESCRIPTION	VOLT	AMPS	BRKR	CKT	NO	BUS	CONN	CKT	NO	P	AMP
STORAGE RECEPT.	600			20	1	1	A	2	2		5500
STORAGE RECEPT.	400			20	1	3	B	4	50		5500
MEN RECEPT.	200			20	1	5	A	6	2	60	3360
WOMEN RECEPT.	200			20	1	9	A	10	1	20	3360
*EWC	1000			20	1	11	B	12	1	20	1500
*EWC	1000			20	1	13	A	14	1	20	1500
*DOG FOUNTAIN	1000			20	1	15	B	16	1	20	1500
LIGHTS	250			20	1	17	A	18	1		SPACE
EXTERIOR LIGHTS	180			20	1	19	B	20	1		SPACE
LIGHT CONTROL	500			20	1	21	A	22	1		SPACE
SPARE				20	1	23	B	24	1		SPACE
SPARE				20	1	25	A	26	1		SPACE
SPARE				20	1	27	B	28	1		SPACE
SPARE				20	1	29	A	30	2		SPACE
TVSS				20	1	31	B	32			SPACE
				20	1	33	A	34	2		SPACE
TOTALS				60	2	37	A	38	2		SPACE
						39	B	40			SPACE
VOLT AMPS											
BUS A		13365									
BUS B		14640									
REMARKS:	12.0 KAIC MINIMUM										
	*PROVIDE GFCI BREAKER										
		28005									

T.V.S.S.

MAIN SERVICE PANELS, PROVIDE 5-#6 CONDUCTORS IN 1" C FROM 60A/2P BREAKER IN SUPPLYING PANEL, PROVIDE BREAKER, UL 1449 LISTED, 150,000 SURGE CURRENT RATING, SERVICE ENTRANCE RATED, EATON EXTERNALLY MOUNTED "SPD" SERIES OR EQUAL.

CITY OF COVINGTON SERVICE NOTES

- GRADES MUST BE WITHIN 6 INCHES OF FINAL BEFORE THE INSTALLATION OF THE SERVICE.
- 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.
- CONTACT THE COVINGTON ELECTRIC DEPARTMENT FOR THE EXACT PLACEMENT OF THE METER BASE ON THE EXTERIOR STRUCTURE PRIOR TO SERVICE ROUGH-IN.
- 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.
- NO CONSTRUCTION MATERIALS OR TRASH SHALL BE IN CONFLICT WITH THE INSTALLATION OF THE POWER SERVICE LATERAL TO THE STRUCTURE.
- OWNER/DEVELOPER TO SIGN EASEMENTS AND PAY ALL INFRASTRUCTURE RELOCATION COSTS PRIOR TO ANY WORK.
- INSTALLATION CHARGES, IF APPLICABLE, MUST BE PAID IN FULL PRIOR TO ANY WORK.
- CONTRACTOR IS REQUIRED TO INSTALL TEMPORARY POWER POLE, IF APPLICABLE. TEMPORARY POWER POLE SPECIFICATIONS ARE LISTED ON THE CITY OF COVINGTON WEBSITE UNDER THE "ELECTRICAL DEPARTMENT" SECTION OF THE SITE.
- 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.
- 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.

GEORGIA
REGISTERED
PROFESSIONAL
ENGINEER
JEFFREY H. MCGEE

ELECTRICAL DESIGN
CONSULTANTS, INC.
175 New Street, Suite 1, Macon, GA 31201

NEW RESTROOM BUILDING
CENTRAL PARK
3134 PONDEROSA DR SW,
COVINGTON, GA 30014

TEL: (478) 781-1833

175

E3.1