

GULF COAST CENTER FOR ECOTOURISM & SUSTAINABILITY GATHERING HUB PACKAGE

1655 ECO TRAIL, GULF SHORES, ALABAMA

DESIGN TEAM

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Casey Brown

ANGLE

LONG

LAVATORY

LOCKABLE

LIVE LOAD

LOCATION

MASONRY

MAXIMUM

MANUFACTURER

MISCELLANEOUS

NOT AVAILABLE

NEAR SIDE

OVER ALL

OWNER INSTALLED

OPPOSITE

ON CENTER

OUTSIDE DIAMETER

OVERFLOW DRAIN

OWNER FURNISHED,

OWNER FURNISHED,

CONTRACTOR INSTALLED

OPPOSITE HAND

OUTSIDE FACE

OPENING

CONCRETE

NOT TO SCALE

NOT IN CONTRACT

NOMINAL

NOTICE OF ACCEPTANCE

NORMAL WEIGHT

MASONRY OPENING

MINIMUM

AND ELECTRICAL

METAL

MATERIAL

MECHANICAL

MECHANICAL, PLUMBING,

MEMBRANE

LIGHT

LOW POINT

LONG LEG HORIZONTAL

LIGHTWEIGHT CONCRETE

LONG LEG VERTICAL

LAV

LKB

LLV

LOC

LWC

MAS

MAT'L

MAX

MECH

MEMB

MPE

MFG

MIN

ΜΟ

MTL

NA

NIC

NOA

NOM

NS

NTS

NWC

0

OA

OC

OD

OD

OFCI

OFOI

OH

OPP OSF

OPNG

MISC

LG

Matthew Wiechart

Matthew Wiechart

T&B

TB&T

TEL

TEMP

THK TLT

ТОВ

TOC TOF

TOP TOS TOSTL

TW TYP

U/C U/G UNO

VAR

VCT

VERT

VEST

VWC

W

_____ W/

W/C

Ŵ/O

W

CLASS

TRSH CH

TO

FOOT

FOOT

INCH

ABBREVIATIONS

Α		
AB AD ACT ADD ADD'L ADJ AFF AGGR AL/ALUM ALT ANOD APPROX ARCH	ANCHOR BOLT AREA DRAIN AIR CONDITIONING ACOUSTICAL CEILING TILE ADDENDUM ADDITIONAL ADJACENT ABOVE FINISHED FLOOR AGGREGATE ALUMINUM ALTERNATE ANODIZED APPROXIMATE ARCHITECTURAL	
В		
B.M. BD BTWN BL BLDG BLKG BM BOT BRG BSMT BUR BW	BENCH MARK BOARD BETWEEN BUILDING LINE BUILDING BLOCKING BEAM BOTTOM BEARING BASEMENT BUILT-UP ROOF BEARING WALL	
C		
CEM CER CG CIP CJ CL CLG CLR CMU COL COMM CONC CONN CONST CONT COORD CORR CR CSK CT CTR CW	CEMENT CERAMIC CORNER GUARD CAST IN PLACE CONTROL JOINT CENTER LINE CEILING CLEAR CONCRETE MASONRY UNIT COLUMN COMMUNICATIONS CONCRETE CONNECTION CONSTRUCTION CONSTRUCTION CONTINUOUS COORDINATE CORRIDOR COLD ROLLED COUNTERSUNK CERAMIC TILE CENTER CURTAIN WALL	
D		
D DBA DET DIA DIAPH DIM DJ DL DN DWG DS DWGS DWGS DWLS	DEPTH DEFORMED BAR ANCHOR DETAIL DIAMETER DIAPHRAGM DIMENSION DEFLECTION JOINT DEAD LOAD DOWN DRAWING DOWN SPOUT DRAWINGS DOWELS	

E	
EA EF EIFS EL ELEC ELEC ELEV EQUIP ESC ESC EWC EVC EXIST EXP BLT EXT F	EXPANSION JOINT ELEVATION ELECTRIC ELEVATOR EDGE OF SLAB EQUAL EQUIPMENT ESCALATOR EACH WAY ELECTRIC WATER
FD FDN FE FE FE FHC FIN FIN FIN FIN FIN FIN FIN FIN FIN FIN	FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER INET FINISH FLOOR FIRE HOSE CABINET FINISH FLOOR FAR SIDE FOOT FOOTING FIELD VERIFY FIRE VALVE CABINET
GA GALV GB GEN GI GND GR GYP BD	GAUGE GALVANIZED GRADE BEAM GENERAL GALVANIZED IRON GLASS GROUND GRADE GYPSUM BOARD
HB HDW HDWD HK HM HOR HP HR HS HT	HOSE BIB HARDWARE HARDWOOD HOOK HOLLOW METAL HORIZONTAL HIGH POINT HOUR HEADED STUD HEIGHT
BC	INTERNATIONAL BUILDING CODE

IBC	INTERNATIONAL BUILDING
	CODE
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR

Р	
PLAM PC PCF PCP	PLASTIC LAMINATE PRECAST CONCRETE POUNDS PER CUBIC PORTLAND CEMENT
PL PLUMB	PLASTER PROPERTY LINE PLUMBING
PLYWD POL PORT CEA PR	PLYWOOD POLISHED A PORTLAND CEMENT PAIR
PREFAB PSF PSI PT	PREFABRICATED POUNDS PER SQUARE POUNDS PER SQUARE POINT
PT PT PTD	POINT PNEUMATIC TUBE PAINTED
R	
R RAD	RISER RADIUS

ĸ	KIJEK						
RAD	RADIUS						
RCP	REFLECTED CEILING PLAN						
RD	ROOF DRAIN						
REBAR	REINFORCING BAR						
RECP	RECEPTACLE						
REF	REFER OR REFERENCE						
REINF	REINFORCING						
RELOC	RELOCATE/RELOCATED						
req'd	REQUIRED						
RFVC	RECESSED FIRE VALVE						
CAB	INET						
RM	ROOM						
RO	ROUGH OPENING						
S							
SAB BLAI	SOUND ATTENUATION NKET						

00 (
SCHED	SCHEDULE
SECT	SECTION
S/H	SINGLE HUNG
SHWR	SHOWER
SIM	SIMILAR
SO	STRUCTURAL OPENING
SOG	SLAB ON GRADE
SP	STAND PIPE
SPA	SPACE, SPACING
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SSF	SOLID SURFACE
STA	STATION
STC	Sound transmission
STD	STANDARD
STIFF	STIFFENER
STIR	STIRRUP
STL	STEEL
STRUC	STRUCTURAL

STRUCTURAL

SYS SYSTEM

SYM SYMMETRICAL

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Ivy Schuster

205.324.3442

MASTER KEYNOTES

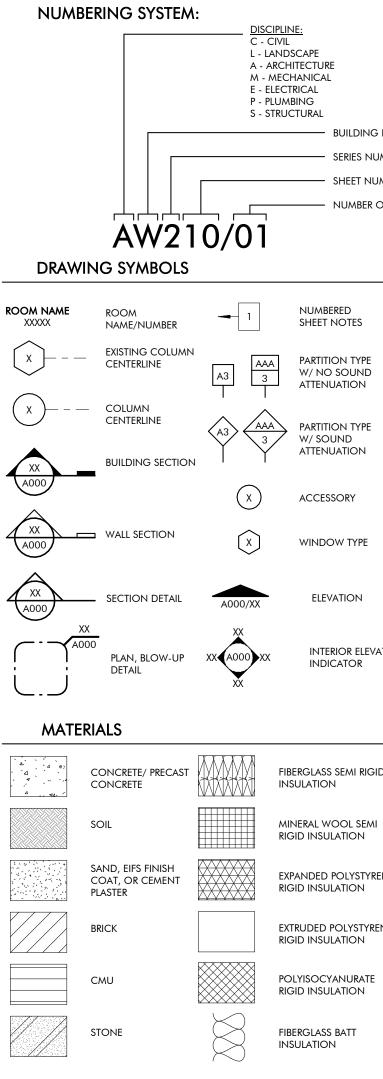
251.344.5515

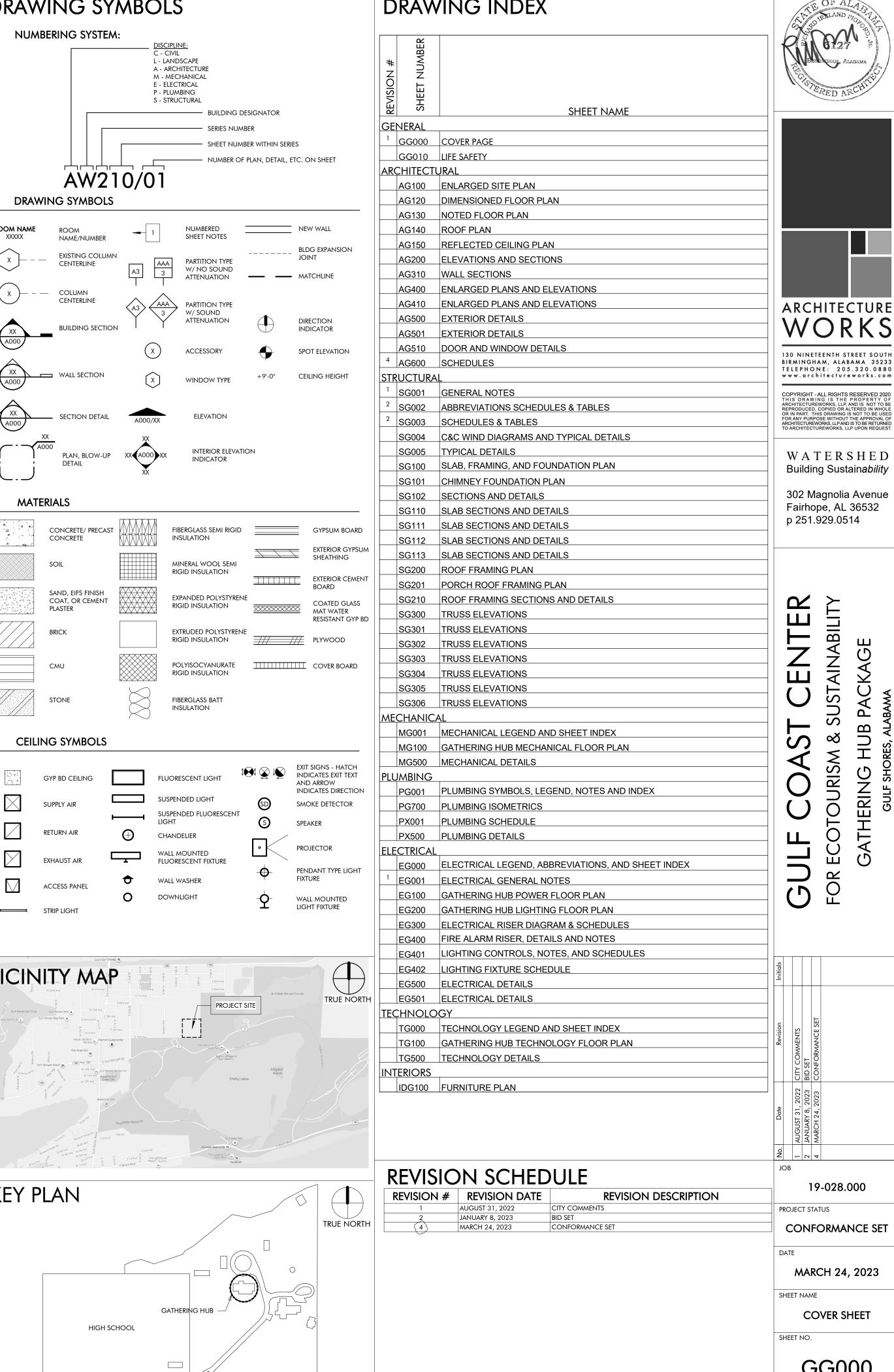
B &T L MP K T D D D D D D D D D D D D D D D D D D	TREAD TOP & BOTTOM TAPE, BED, & TEXTURE TOP OF CURB TELEPHONE TEMPERATURE THICK TOILET TOP OF TOP OF BEAM TOP OF FOOTING TOP OF FOOTING TOP OF FOOTING TOP OF PARAPET TOP OF SLAB TOP OF STEEL TRASH CHUTE TOP OF WALL TYPICAL	
C G NO OT⊦	UNDER COUNTER UNDERGROUND UNLESS NOTED IERWISE	
.R CT RT ST VC	VARIES VINYL COMPOSITION VERTICAL VESTIBULE VINYL WALL COVERING	TILE
/ /C /O	WITH WHEEL CHAIR WITHOUT WIDTH	

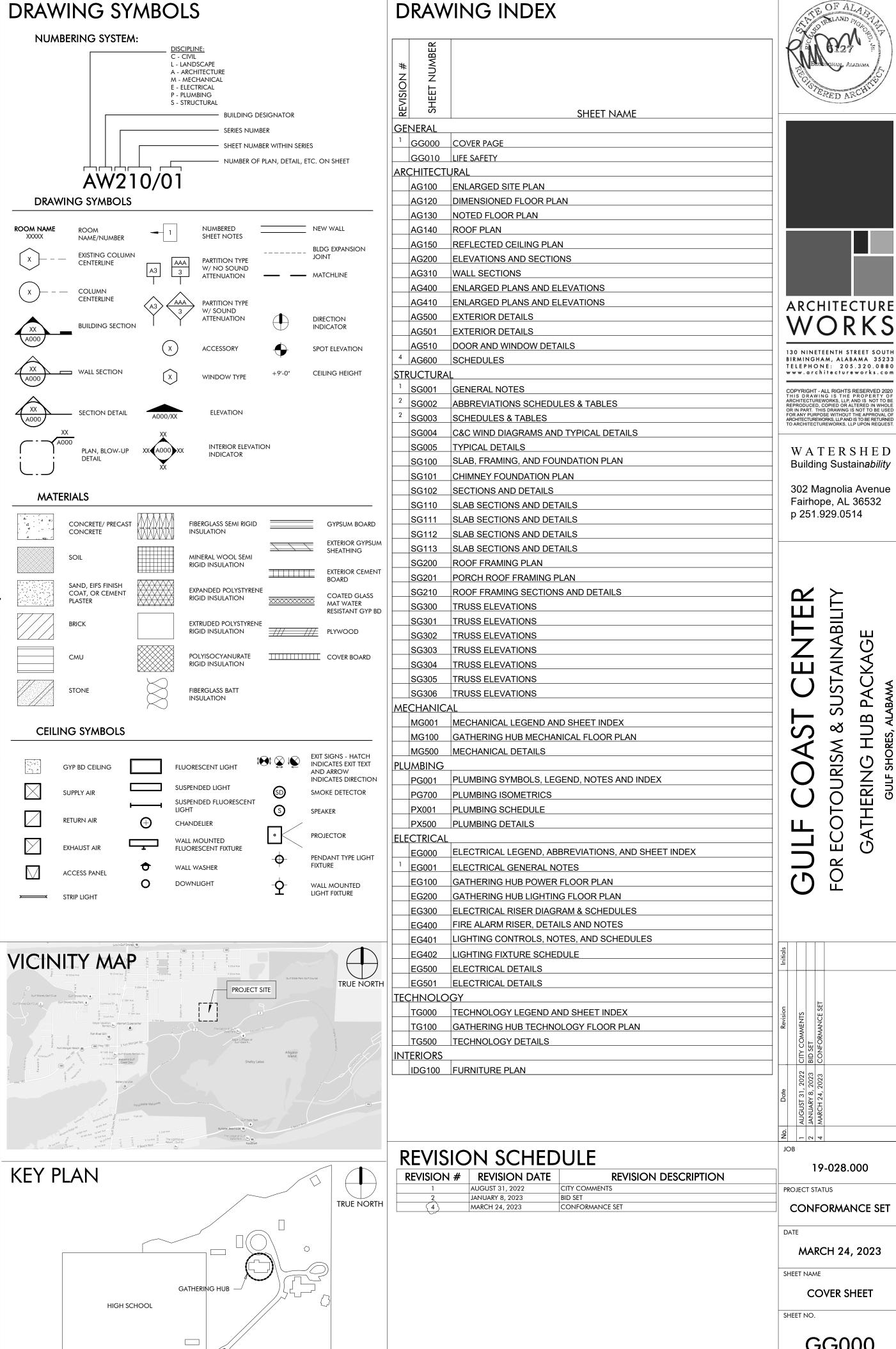
WP	WATERPROOF(ING)	
WD	WOOD	
WF	WIDE FLANGE	
WL	WIND LOAD	
WP	WORK POINT	
WPO	WORK POINT - POINT OF	
ORIO	JIN	
WP1	WORK POINT -	
NUA	ABERED	
WWF	6x6 W2.9/ W2.9 WELDED	WIRE
REINFORG	CEMENT	

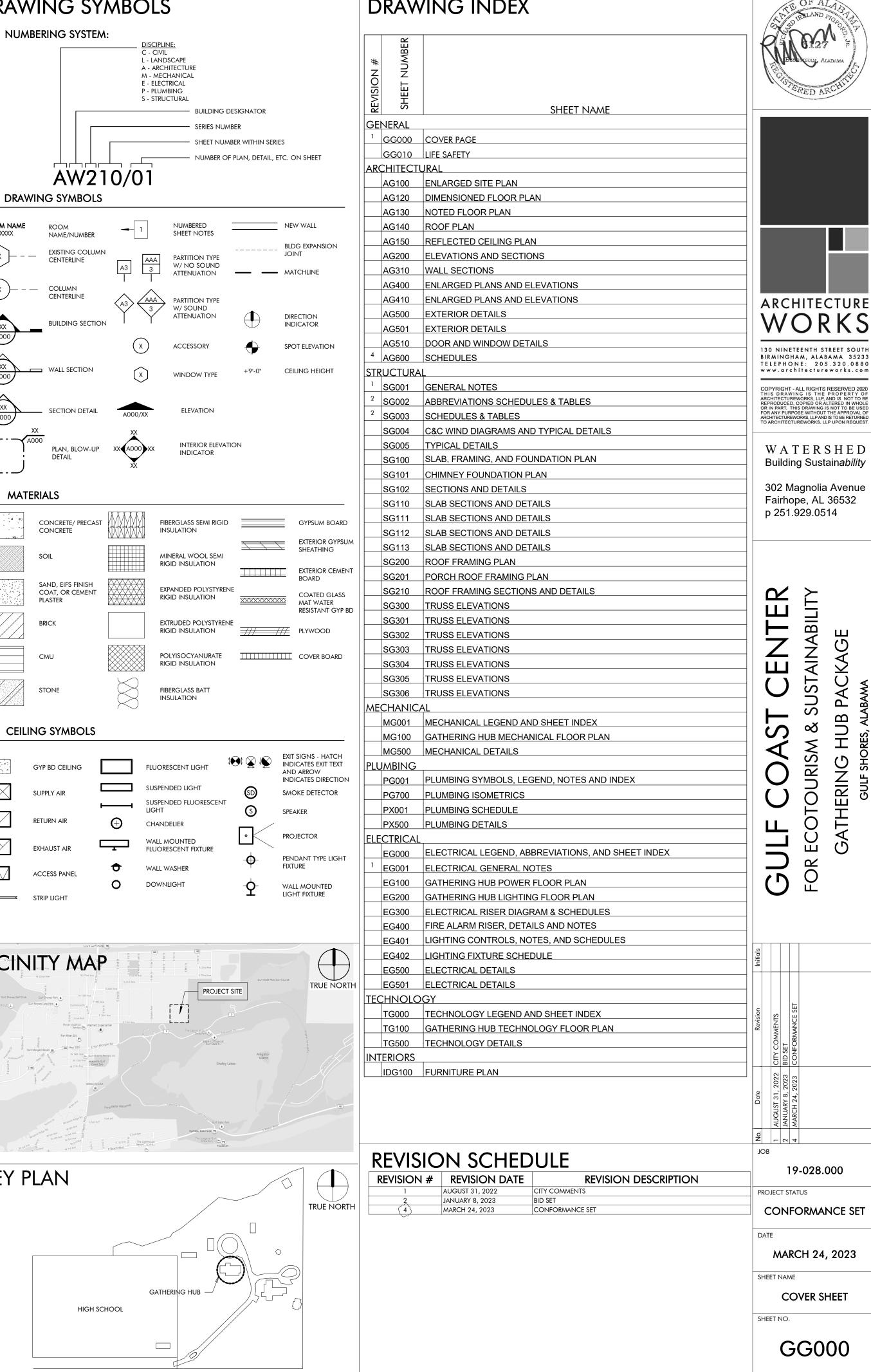
03 3000 Cast-in-Place Concrete - See Structural for Reinforcement 04 5700 Modular Masonry Fireplace 05 5000 Metal Fabrications 06 1000 Rough Carpentry 06 1000.C 9.5x9.5 Glued-Laminated Column 06 1000.F12 2x12 Framing 06 1000.F10 2x10 Framing 06 1000.F4 2x4 Framing 06 1000.F6 2x6 Framing 06 1000.F8 2x8 Framing 06 1000.P 4x4 Post 06 1000.HD Header - See Structural 06 1000.PT Pressure Treated Sill Plate 06 1000.SH1 1/2" Plywood Sheathing 06 1300 Heavy Timber 06 1516 Wood Roof Decking 06 1600 Sheathing 06 1753 Shop-Fabricated Wood Trusses 06 2000 Finish Carpentry 06 2000.PLY Sanded Plywood 06 2000.SWB Stained Wood Boards 06 2000.SWT Stained Wood Trim 06 4100 Architectural Wood Casework 07 2100.NB2 2" Nail Base Rigid Insulation Board 07 2100.RB1 1" Rigid Insulation Board 07 2100.SB Sound Batt 07 2126 Blown Insulation 07 2500 Weather Barriers 07 4113 Metal Roof Panels 07 4113.UL Roof Underlayment 07 4623.CB Engineered Wood Corner Board Engineered Wood Lap Siding 07 4623.LS Engineered Wood Trim 07 4623.TR 07 6200 Sheet Metal Flashing and Trim 07 9200.SBR Sealant and Backer Rod 07 9500 Expansion Control 08 1423 Clad Wood Doors 08 1613 Fiberglass Doors 08 5366 Vinyl Screen System 08 5400 Composite Windows 08 9100 Louvers

09 3000.CB Cement Board 09 3000.NCT Non-Ceramic Trim 09 3000.WT1 Porcelain Wall Tile & Grout Phenolic Toilet Compartments 10 2113.17 10 2113.17.U Post Supported Urinal Screen 10 2800 Toilet, Bath, and Laundry Accessories 10 5617 Wall Mounted Standards and Shelving 11 3013 **Residential Appliances** 12 3600 Countertops 12 6416 Tables 22 4216.16 Commercial Sinks 32 3300.WB Waste & Recycle Bins 32 3313 Site Bicycle Racks









DRAWING INDEX

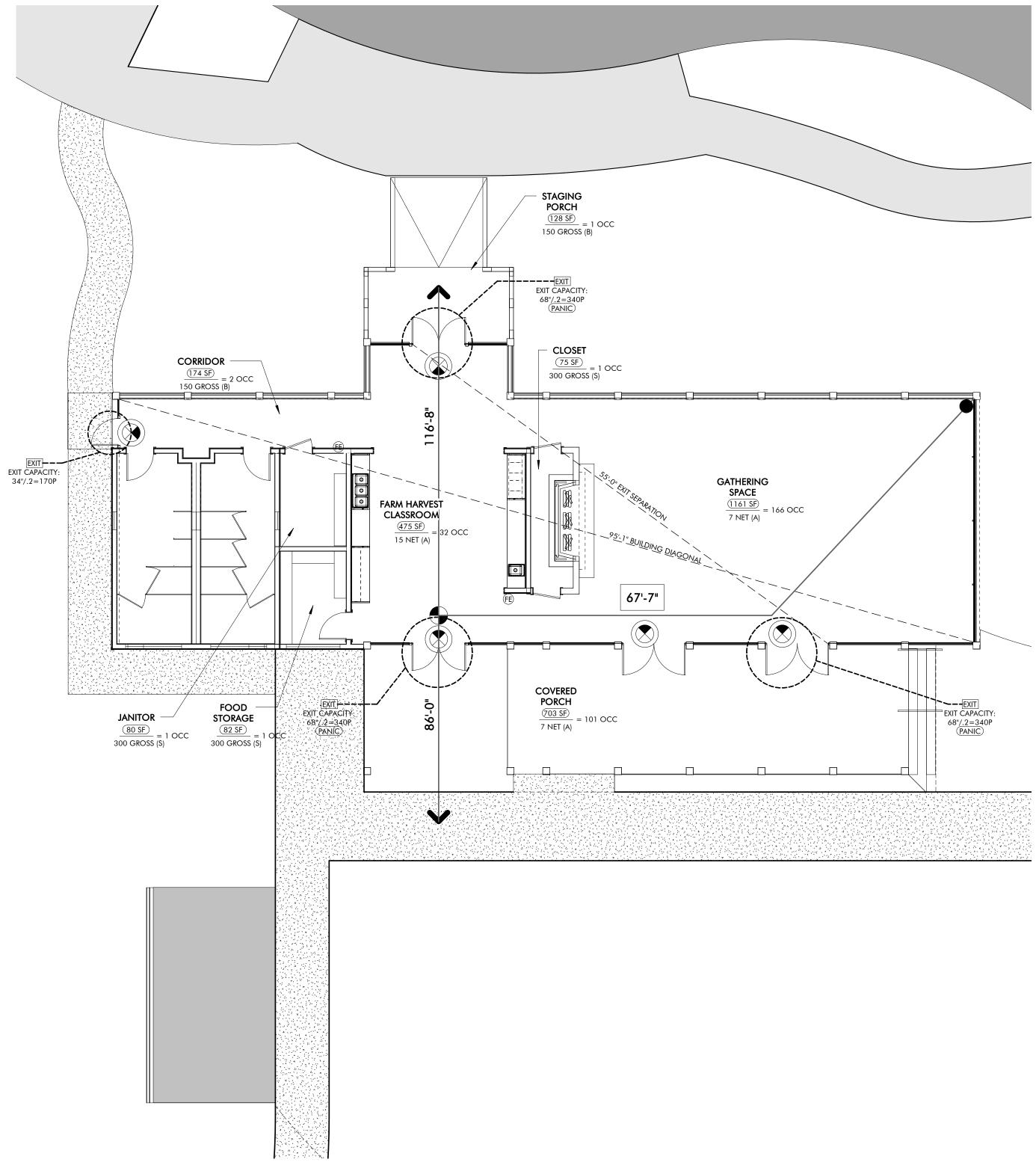
BUILDING ENVELOPE

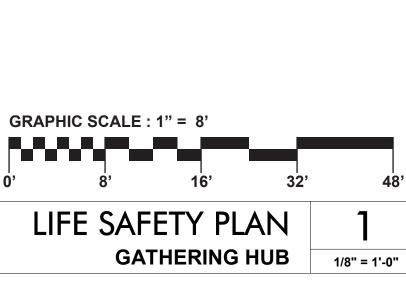
OPAQUE THERMAL ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS (IECC TABLE C402.1.3)

BUILDING ELEMENT	MIN. R-VALUE**	R-VALUE PROVIDED	CODE	
WALLS - WOOD FRAMED	20	20	2015 IECC - TABLE C402.1.3	
ROOF	38	39	2015 IECC - TABLE C402.1.3	
Floors - Slab on grade	NOT REQUIRED	0	2015 IECC - TABLE C402.1.3	
CLIMATE ZONE	2A,	2A, BALDWIN COUNTY		

PLUMBING FIXTURE SCHEDULE (IBC TABLE 2902.1)

OCCUPANCY		WATE	WATER CLOSETS		DRINKING	
OCC CLASS	OCCUPANT LOADS	MALE	FEMALE	MALE/FEMALE EACH	FOUNTAIN	OTHER
A-3		1 PER 125	1 PER 65	1 PER 200	1 PER 500	
ASSEMBLY	299	1.2	2.31	0.75 EACH	0.60	1 SERVICE SINK
B BUSINESS	ESS 12		IE FIRST 50 AND 1 PER REMAINDER	1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE	1 PER 100	
DOGINEOU		0.24	0.24	0.15 EACH	0.12	1 SERVICE SINK
total Req'd	311	1.44	2.55	0.90 EACH	0.72	
TOTAL PROVIDED		4	4	2 EACH	1	1 SERVICE SINK







FIRE EXTINGUISHER LOCATION

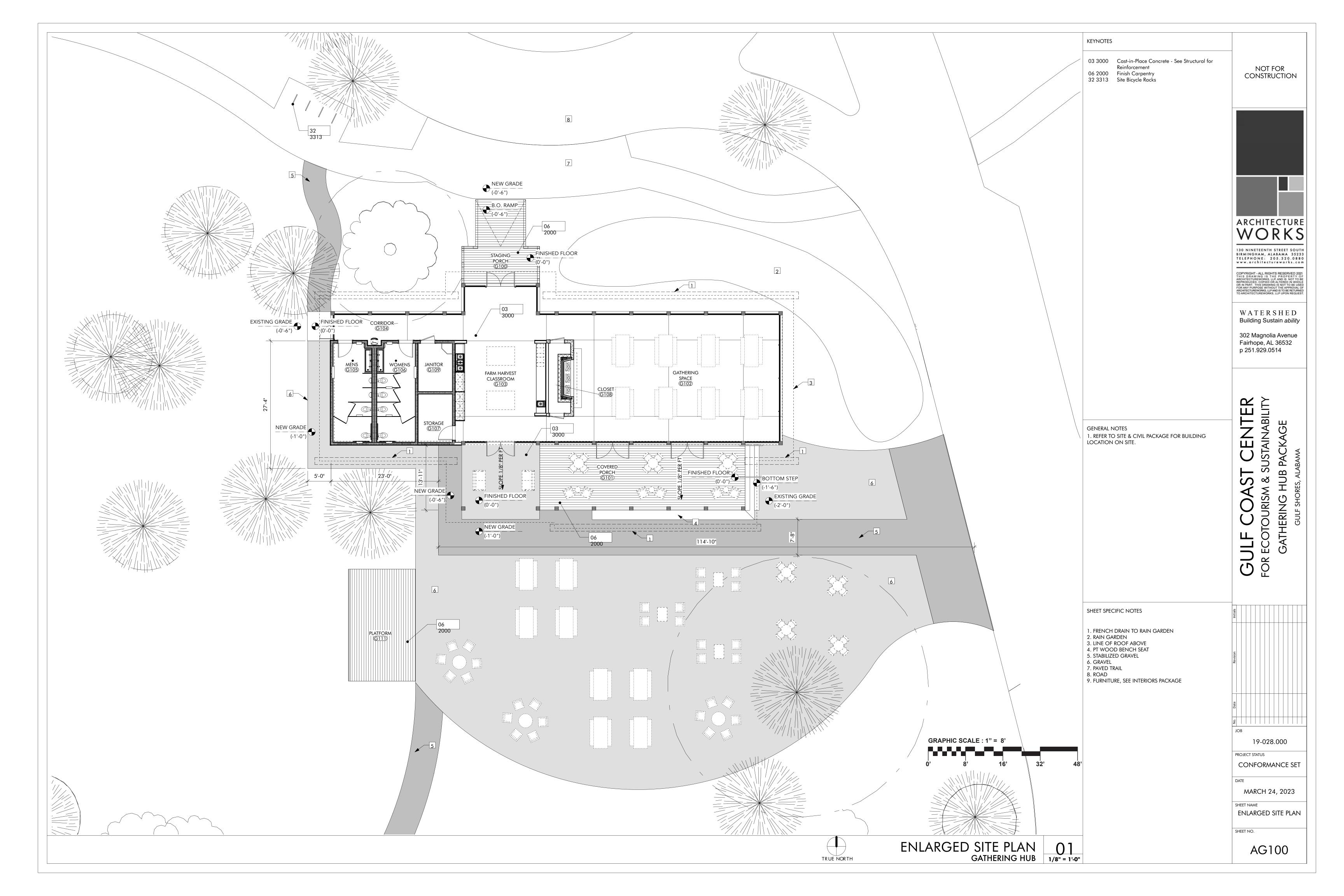
FE)

1-HOUR FIRE BARRIER OR FIRE RESISTANT ASSEMBLY

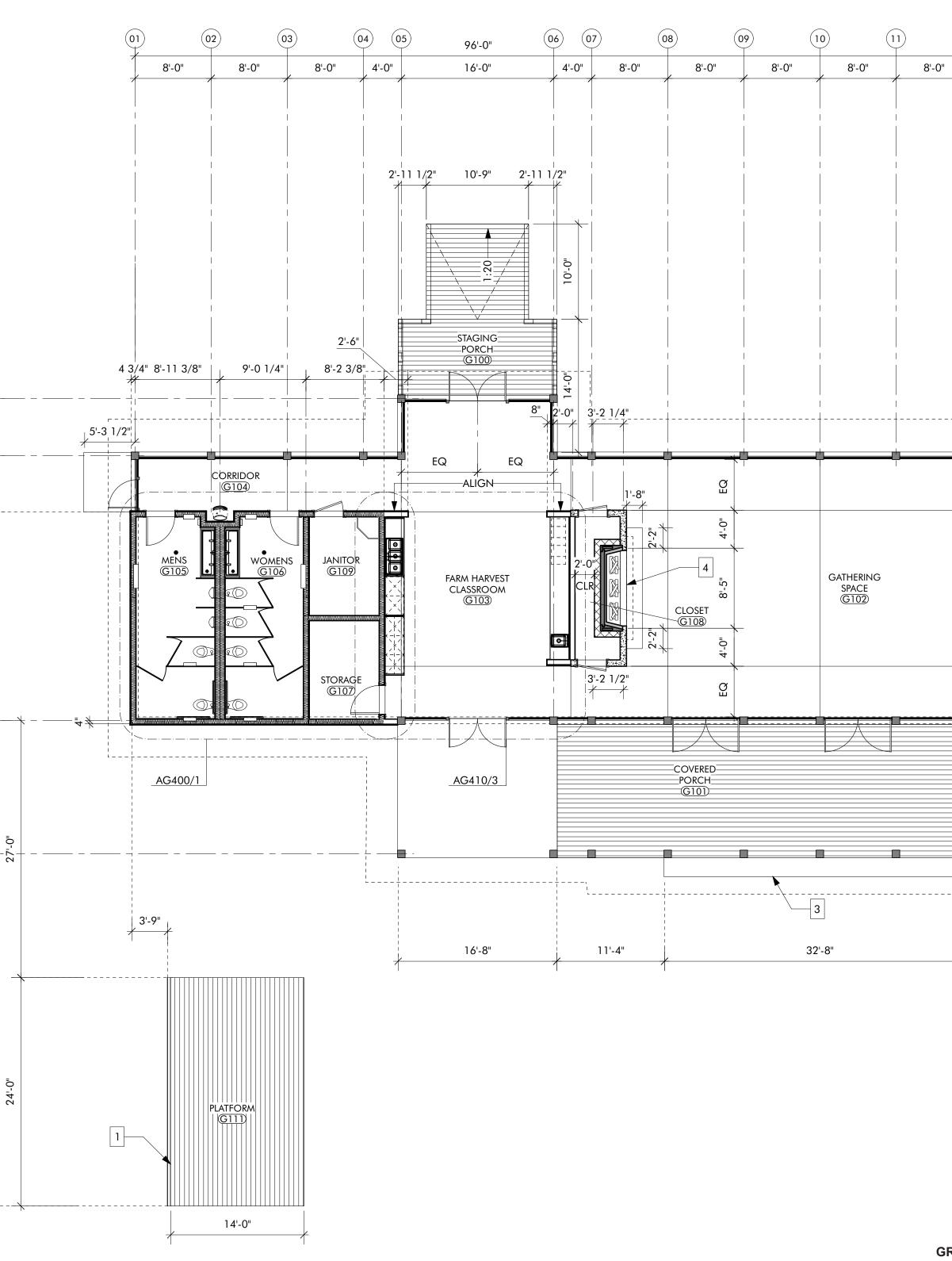
SAFETY

GG010

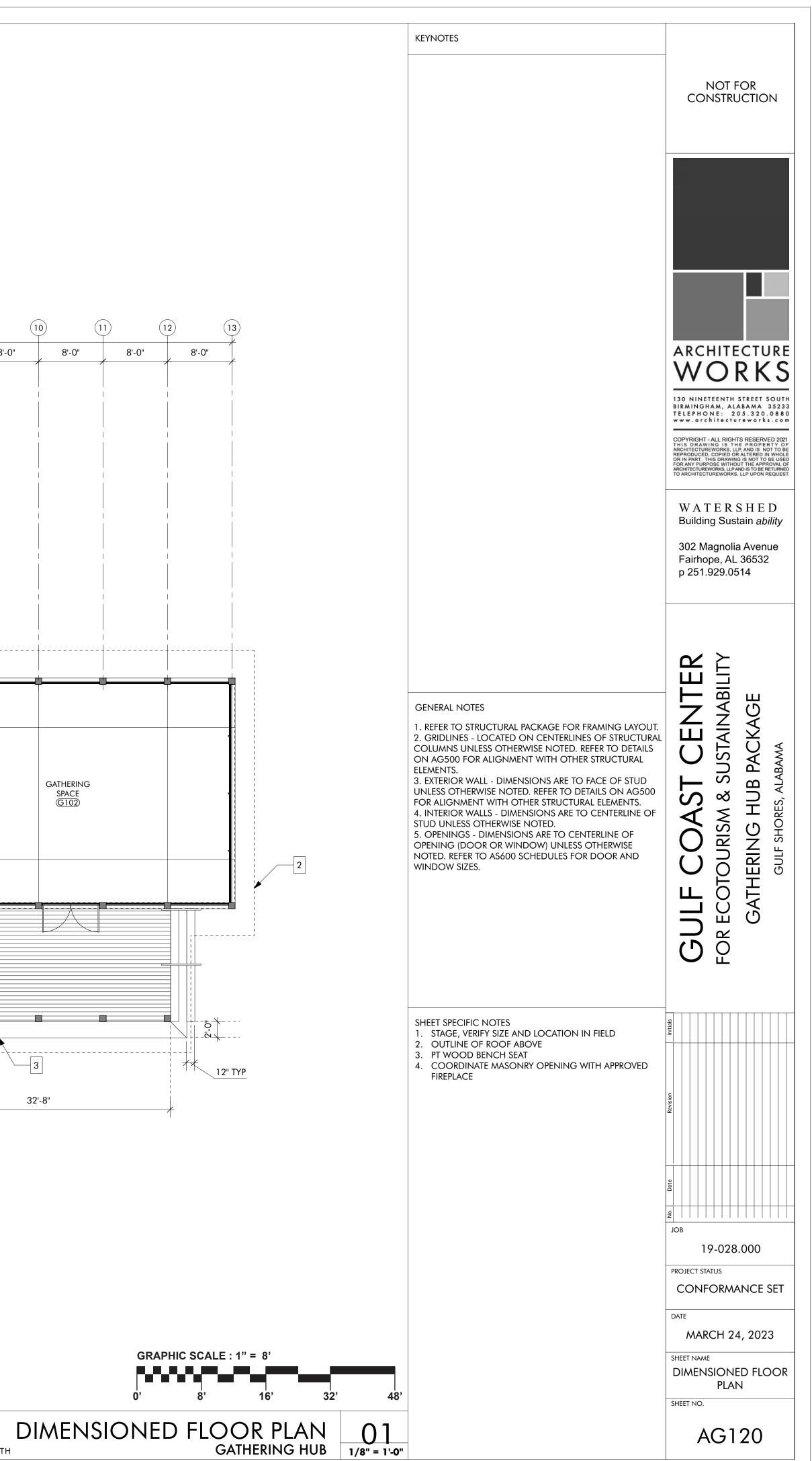
SHEET NO.

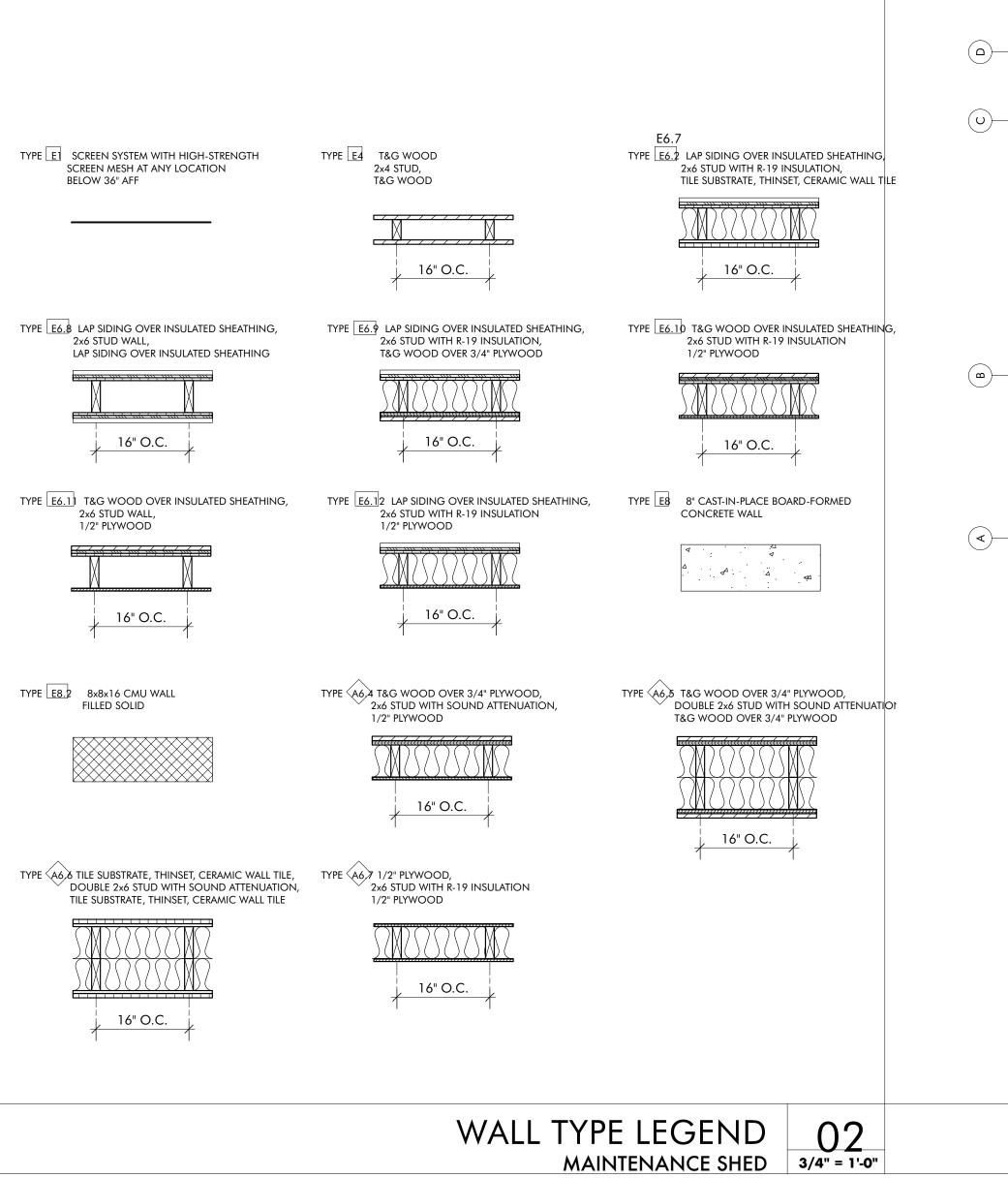


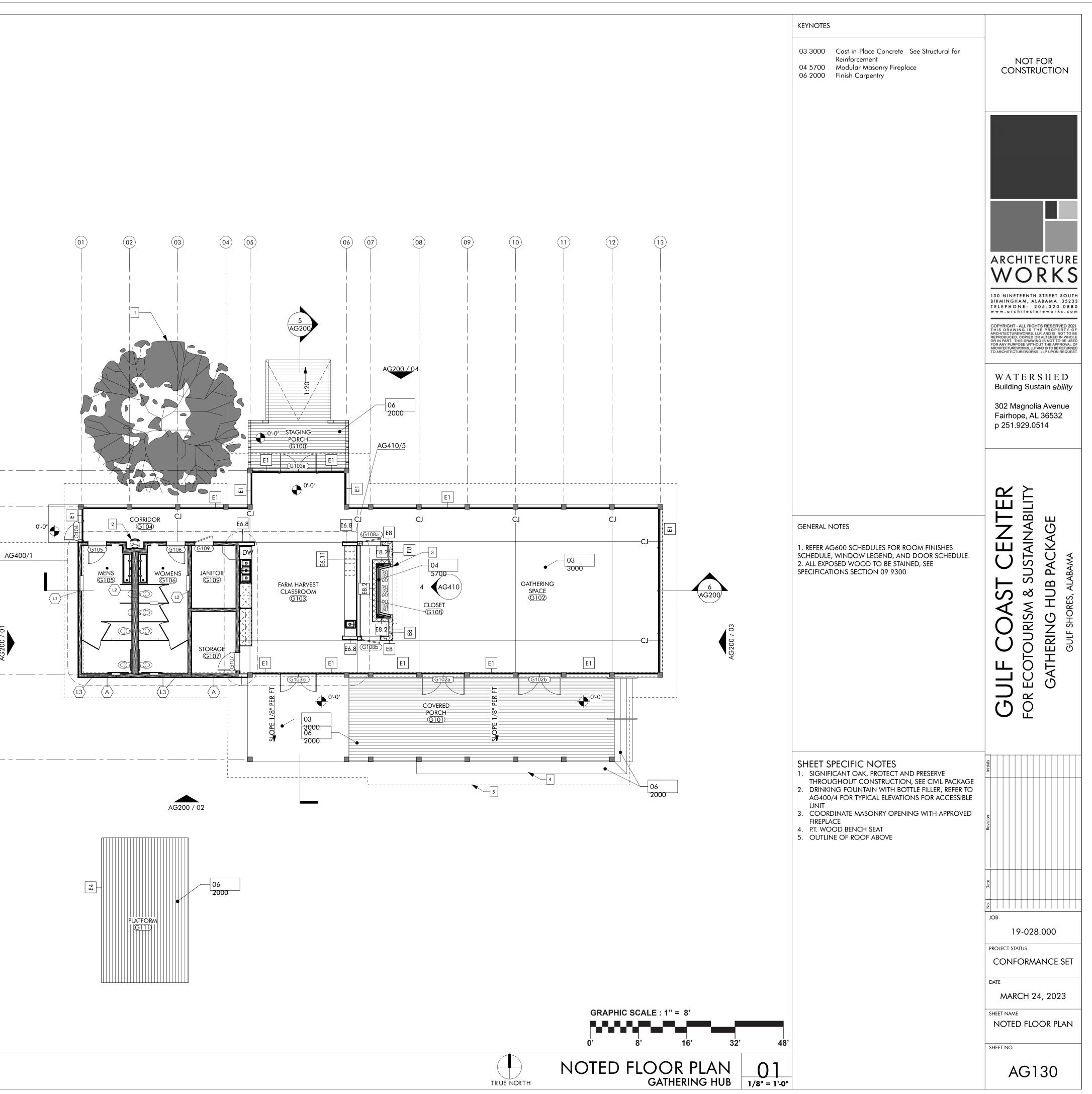


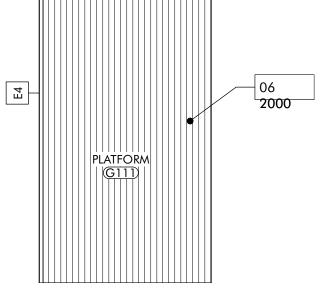


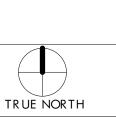


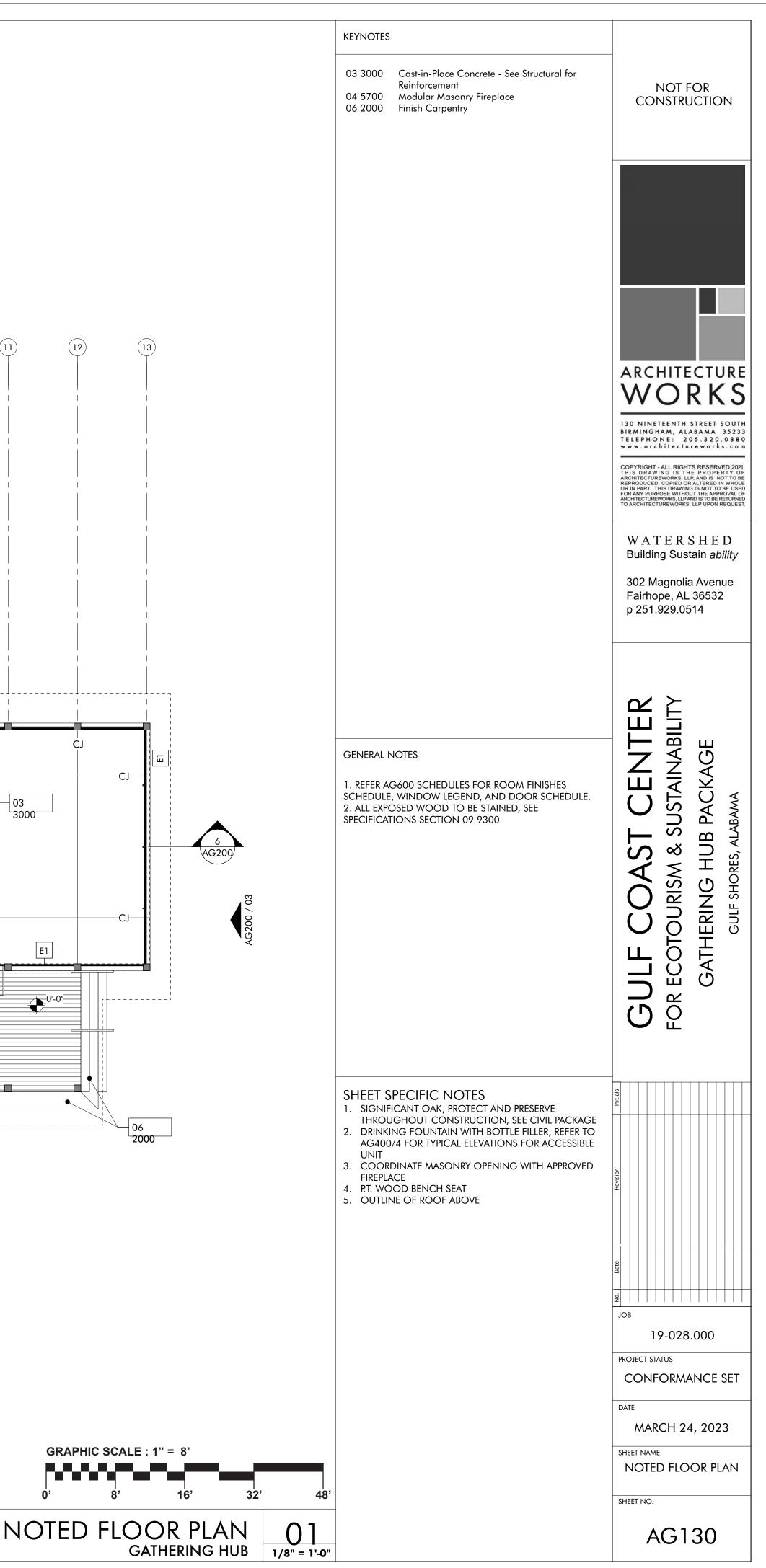






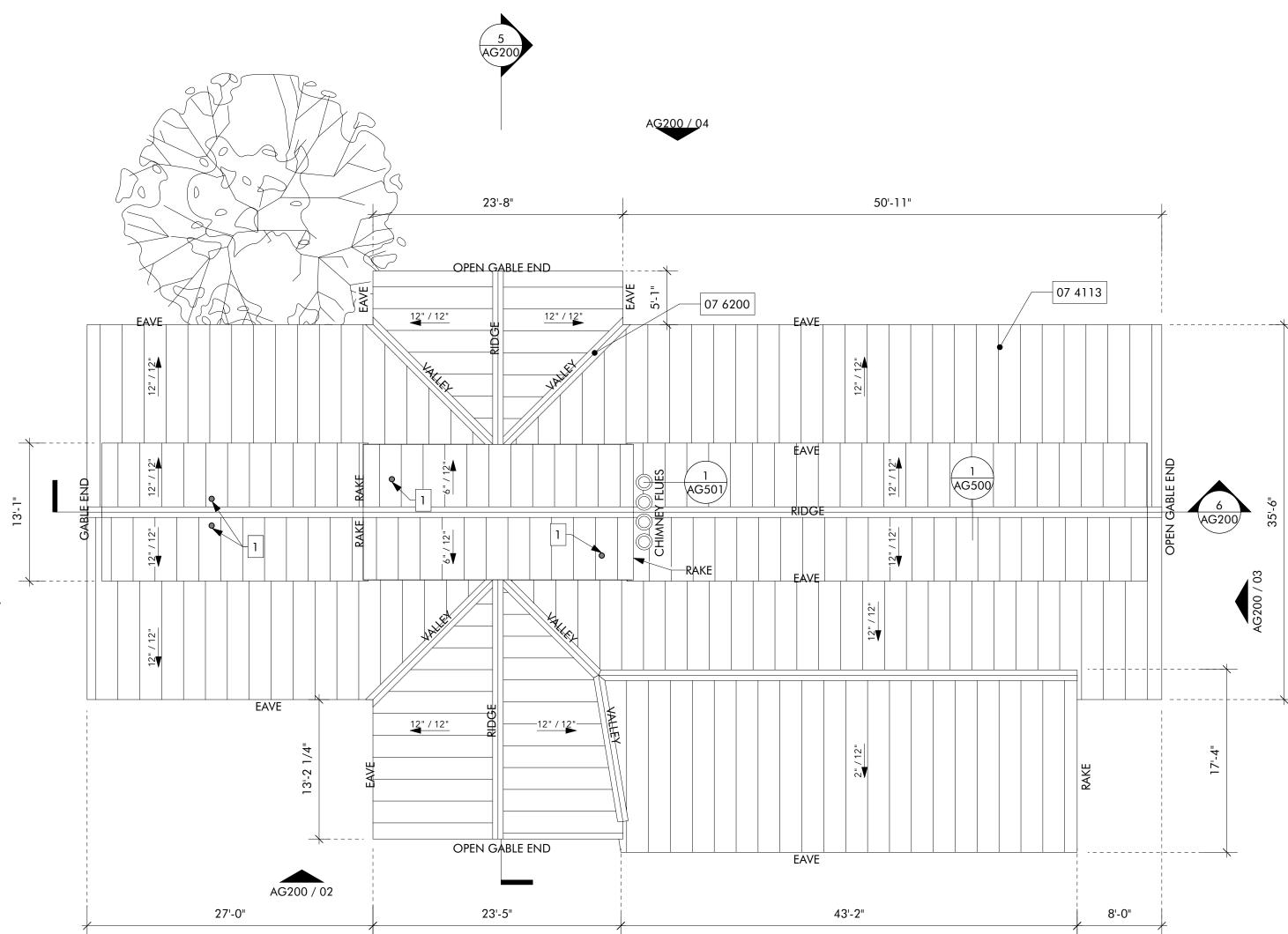




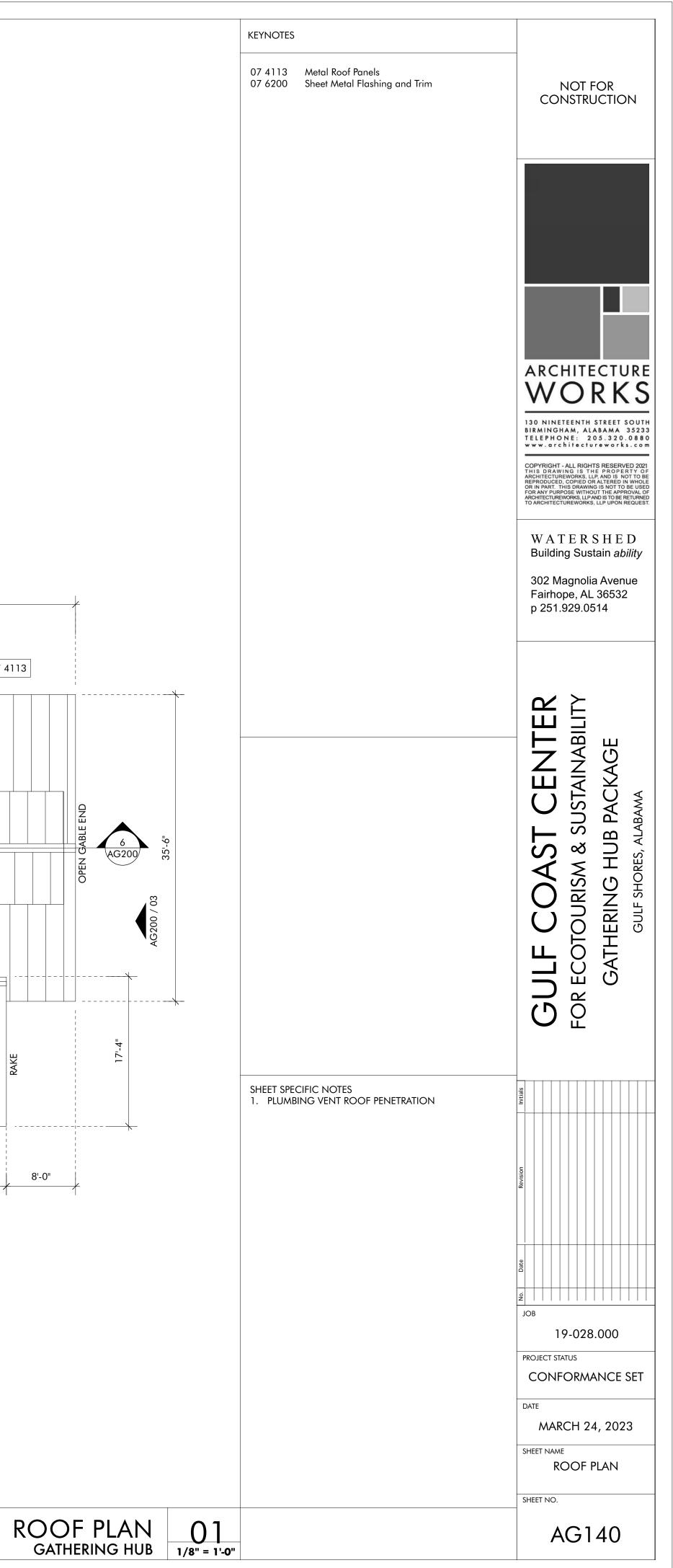


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AG200 /

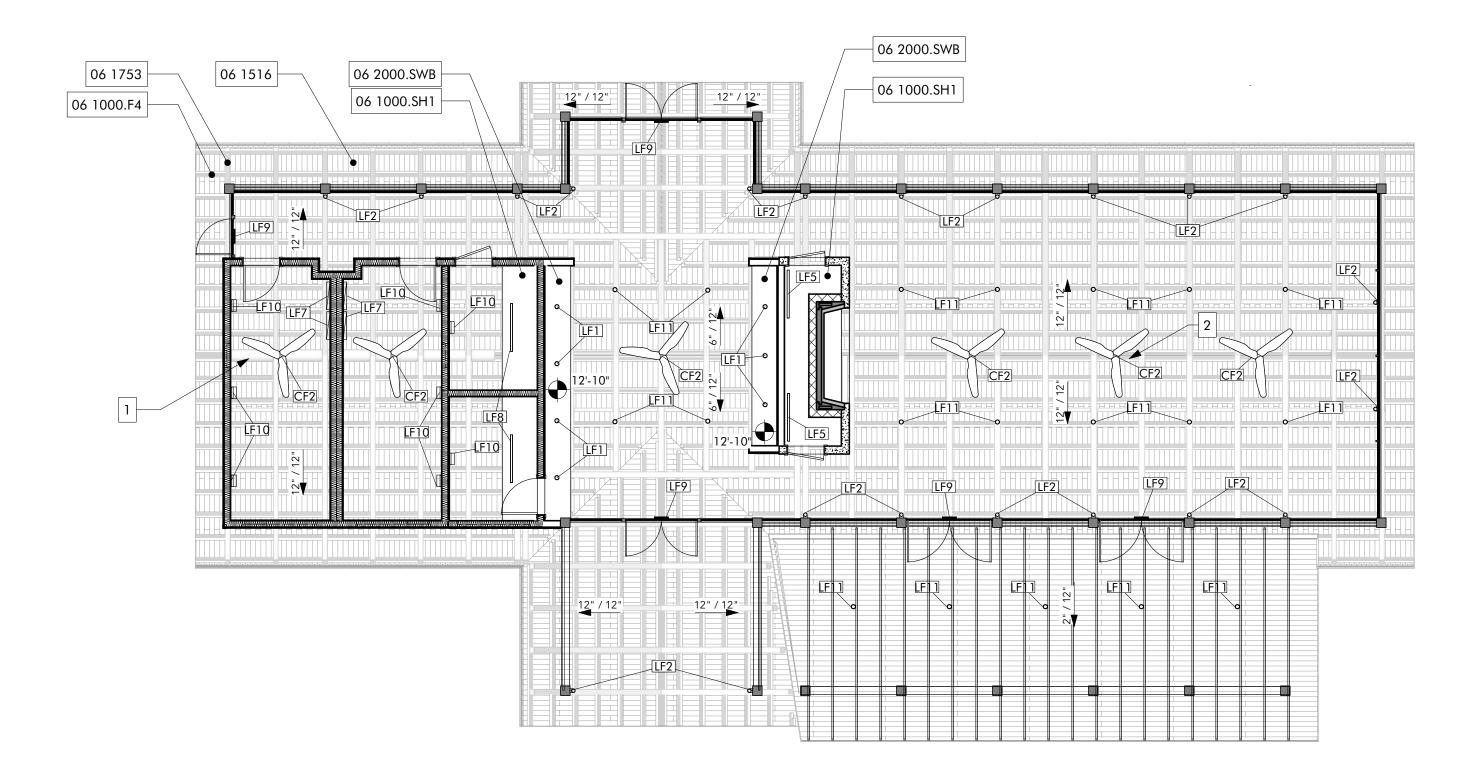






LIGHT FIXTURE SCHEDULE - GATHERING HUB

MARK MFR		MODEL	MOUNTING	NOTES					
CF2	Big Ass Fans	Haiku Bamboo Low Profile Mount							
LF1	ALPHABET	NU4	RECESSED						
LF2	BEGA-US	24034	WALL						
LF5	FINELITE INC.	HP2-R	RECESSED						
LF7	BEGA-US	50144	WALL	MOUNT AT 6'-10" ABOVE FINISHED FLOOR					
LF8	FINELITE INC.	HP2-SM	SURFACE						
LF9	DUAL LITE	LE SERIES	WALL						
LF11	BEGA-US	24507	PENDANT						





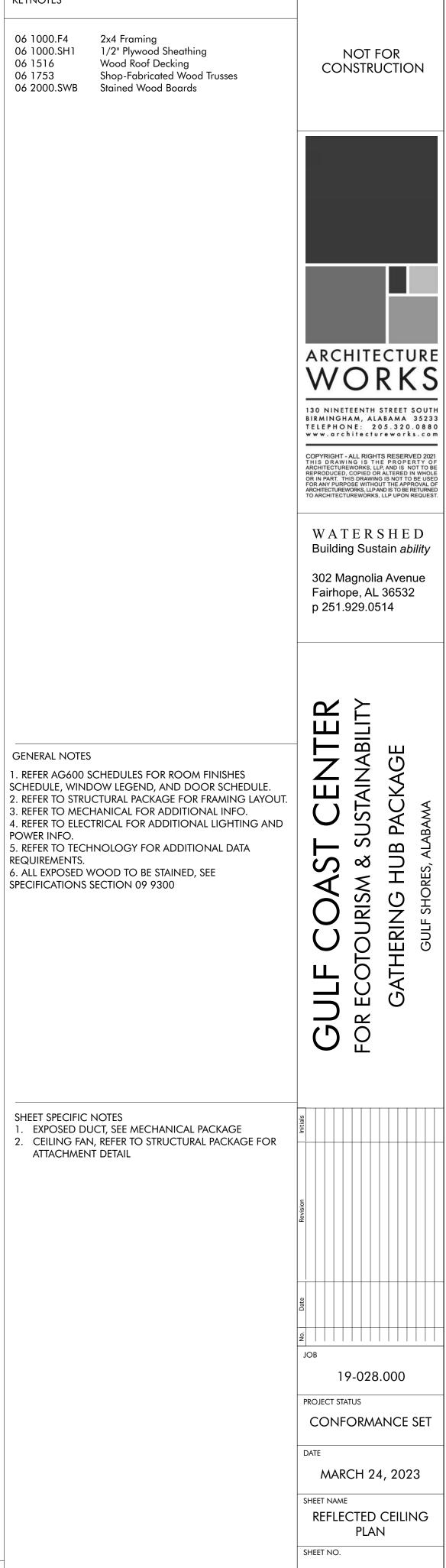
KEYNOTES

06 1000.F4 06 1000.SH1 06 1516 06 1753

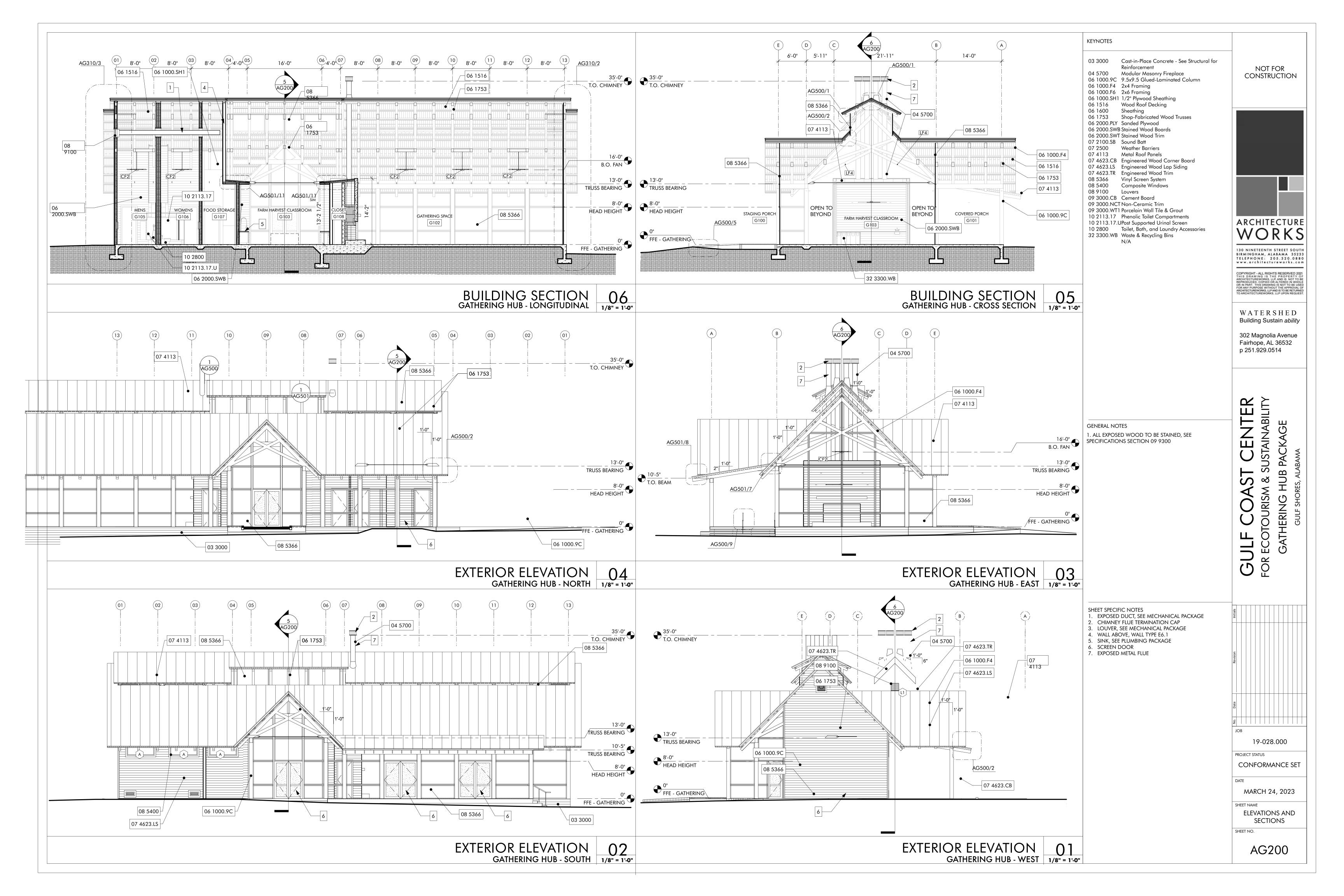
GENERAL NOTES

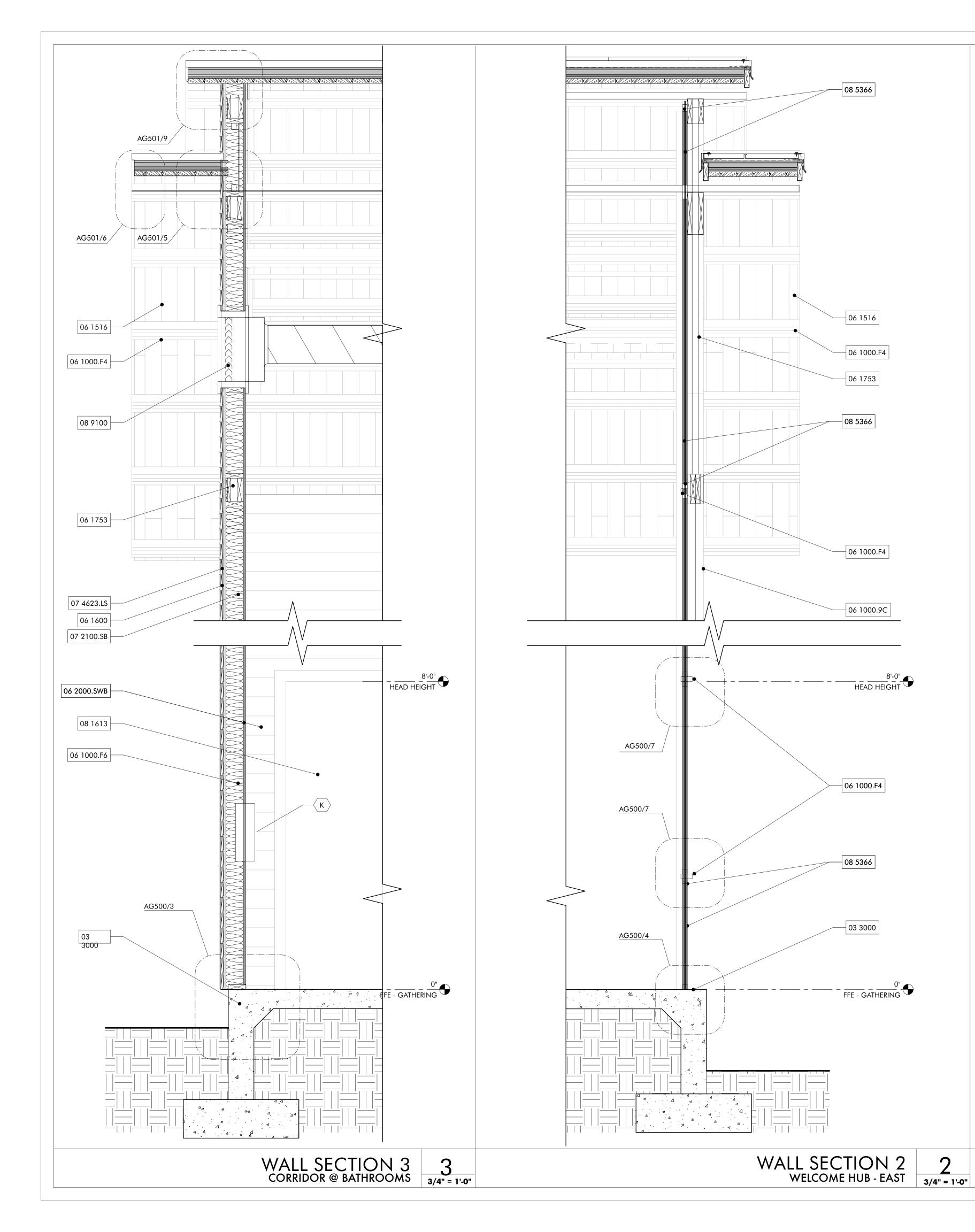
POWER INFO.

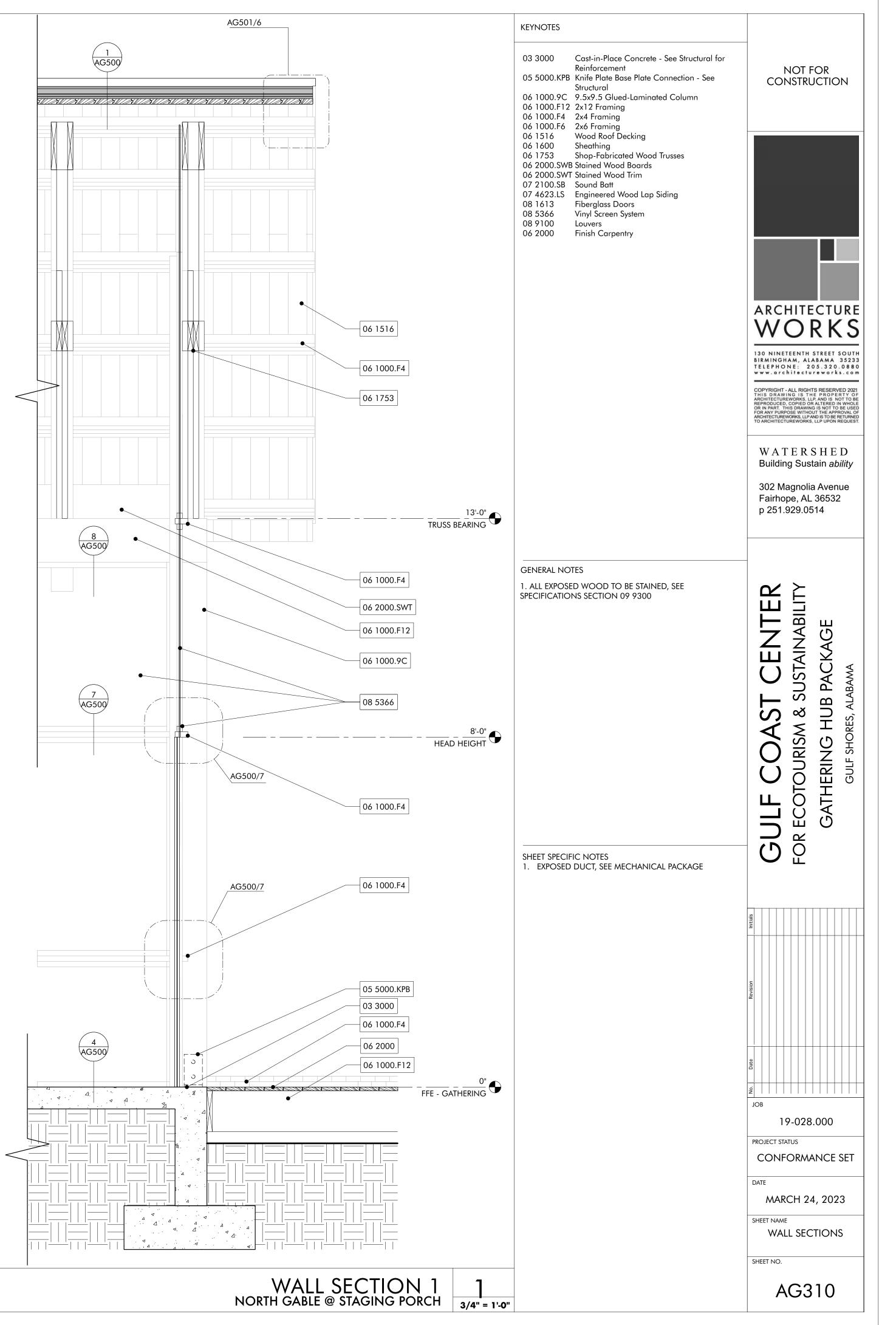
2x4 Framing 1/2" Plywood Sheathing Wood Roof Decking Shop-Fabricated Wood Trusses 06 2000.SWB Stained Wood Boards

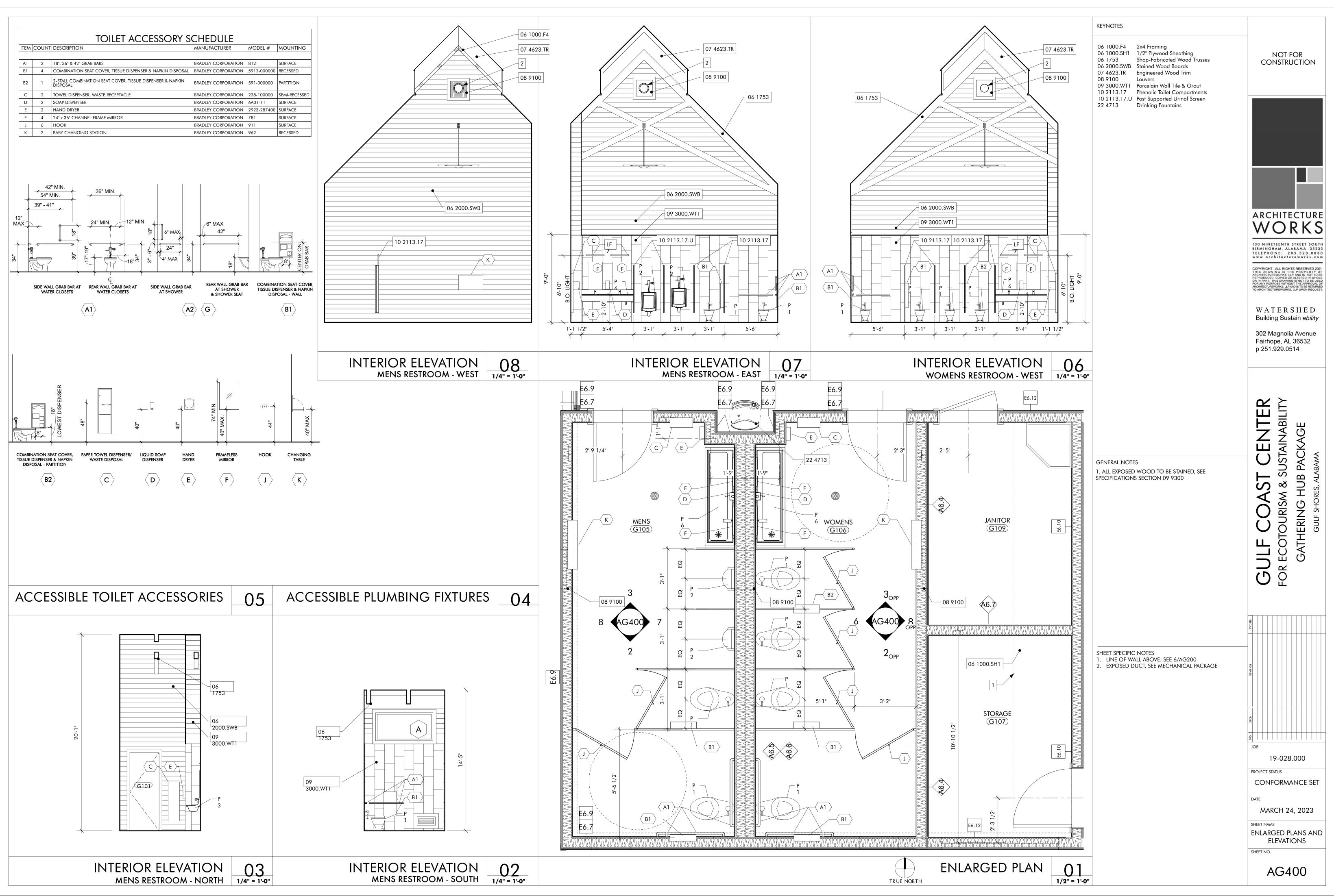


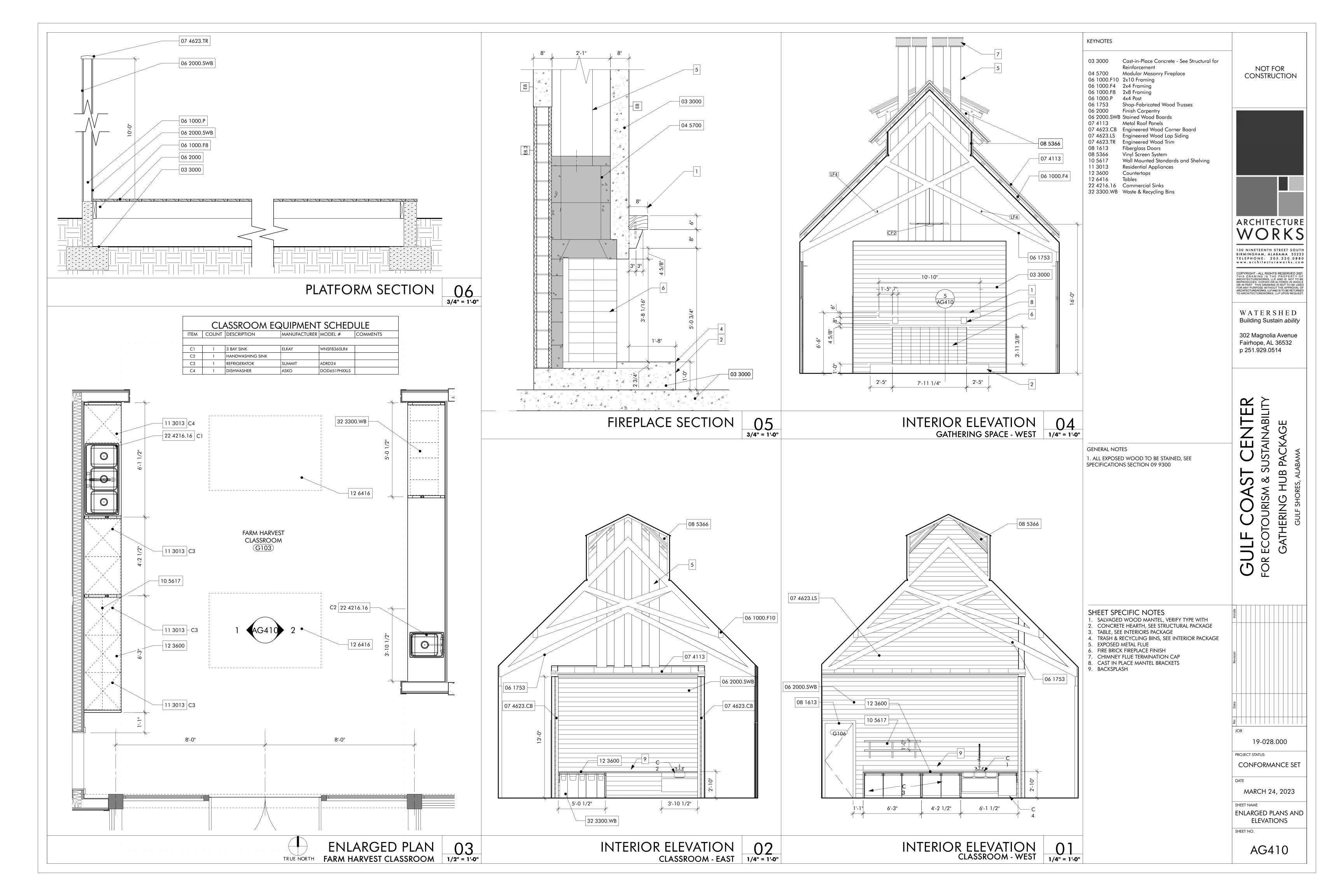
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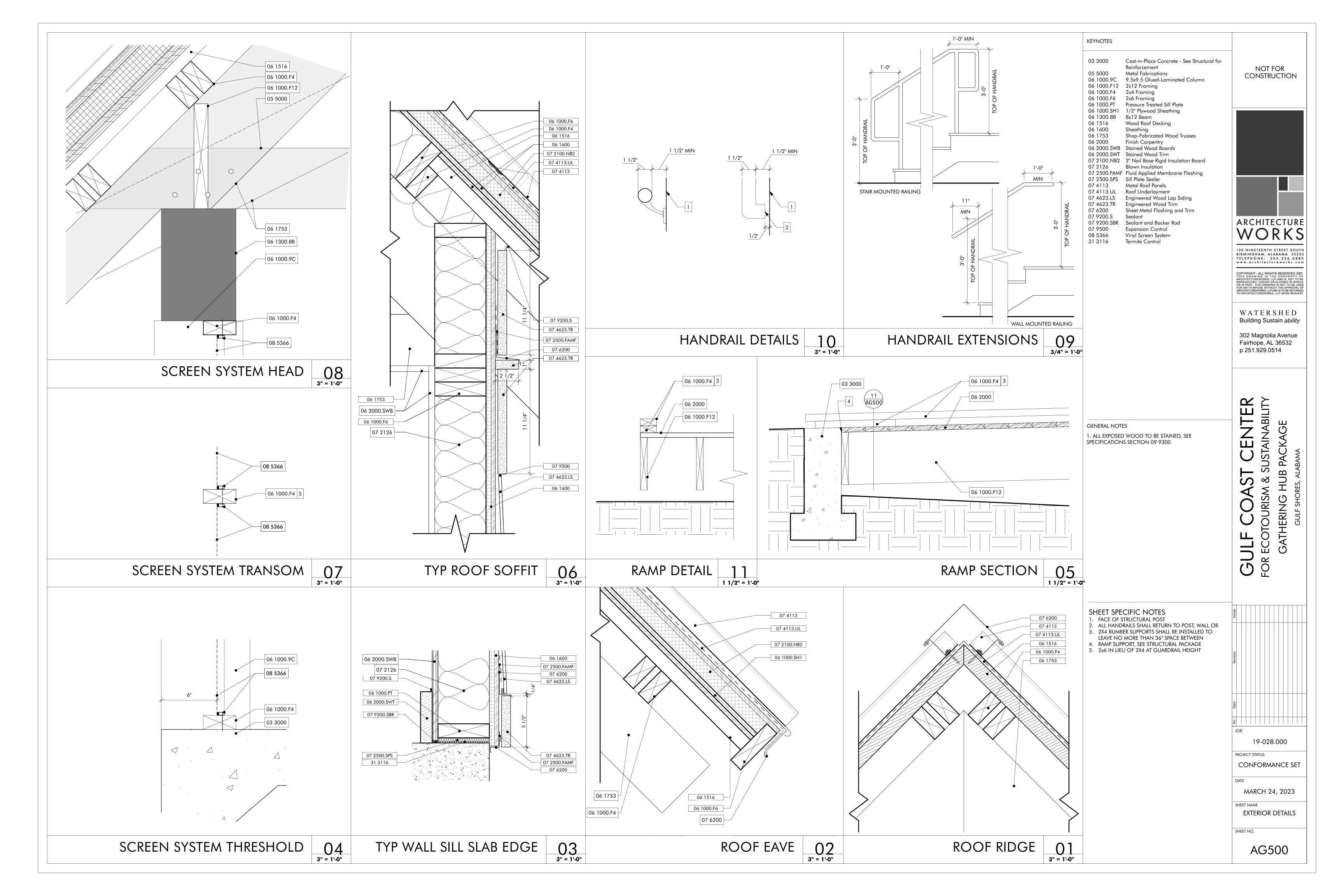


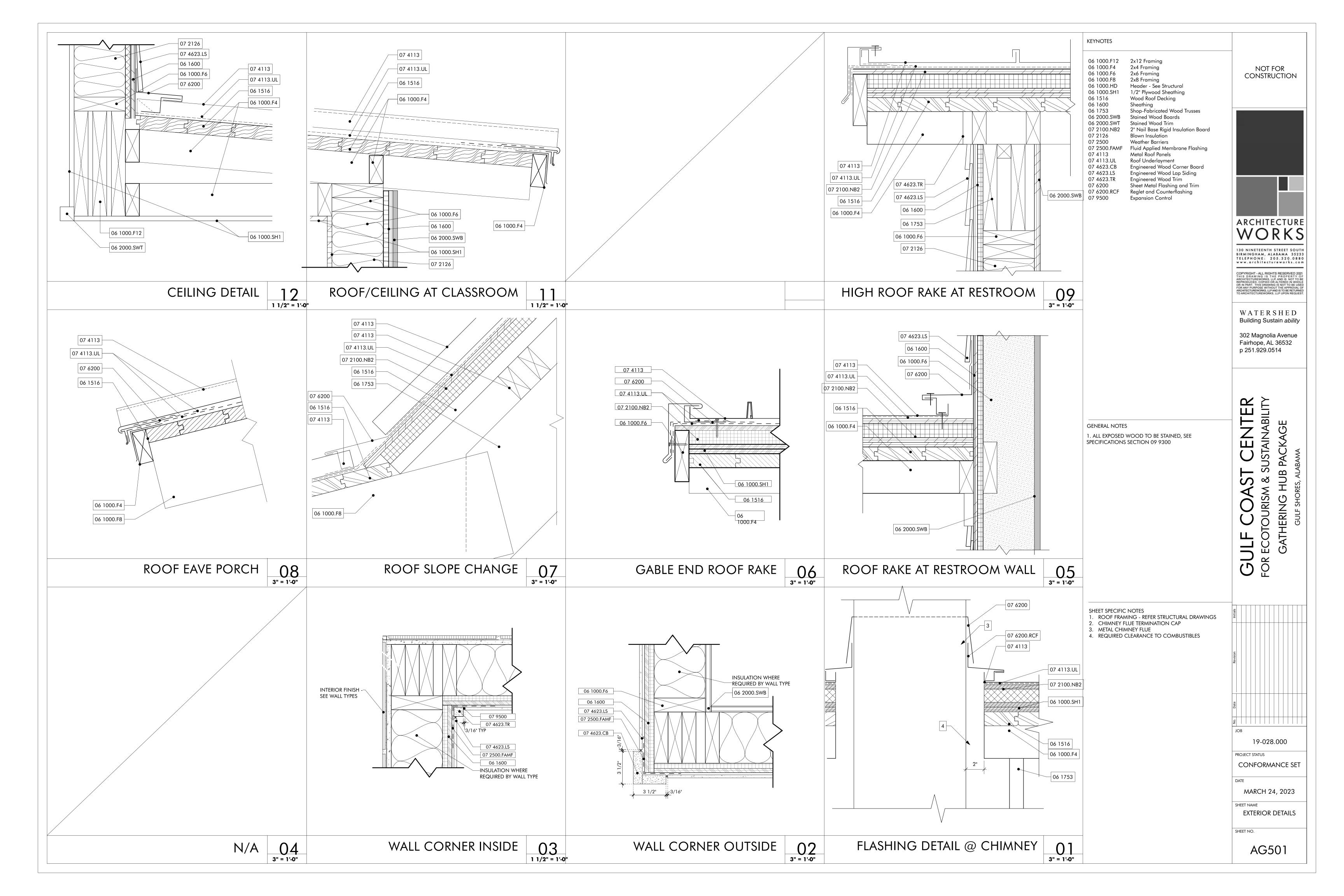


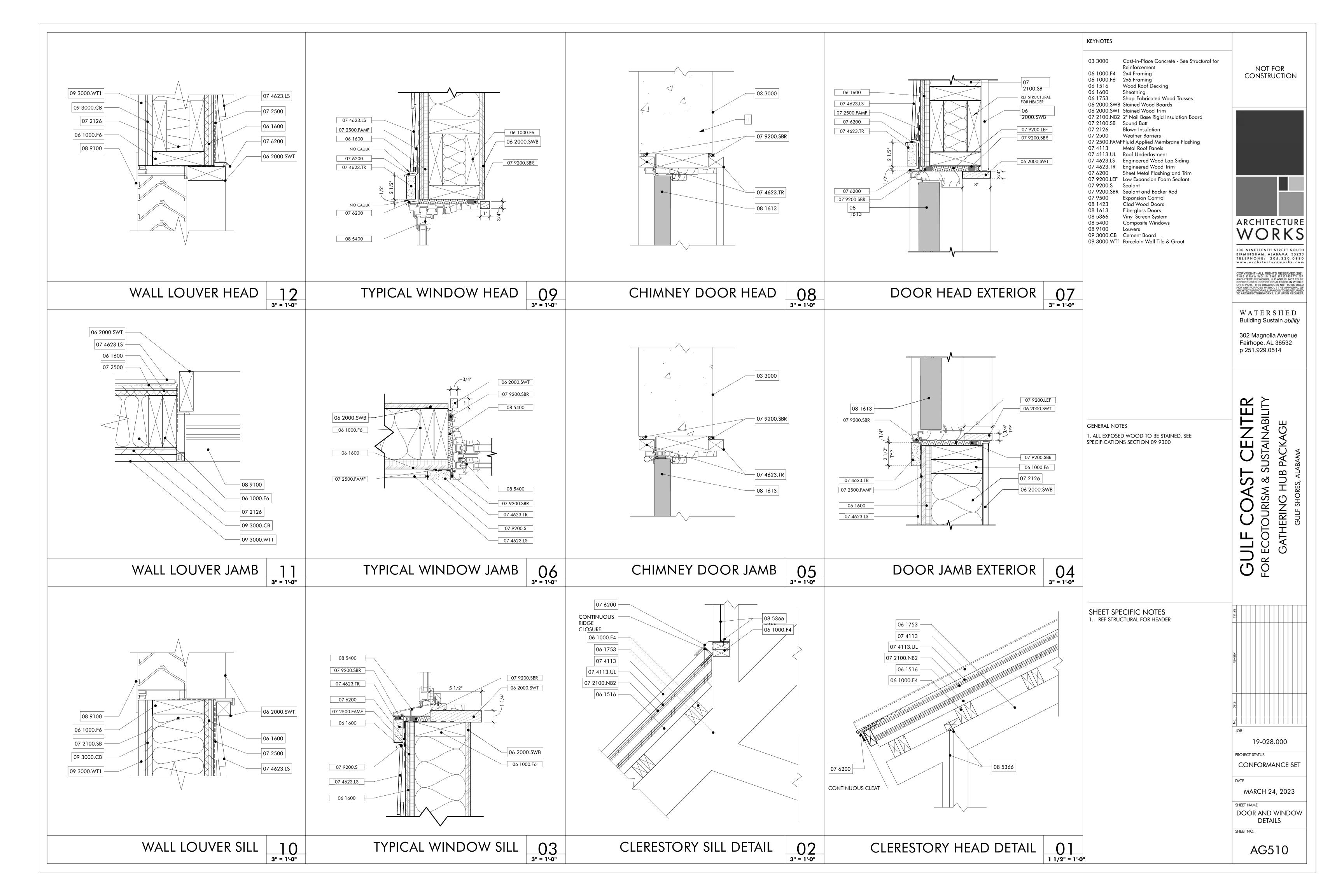




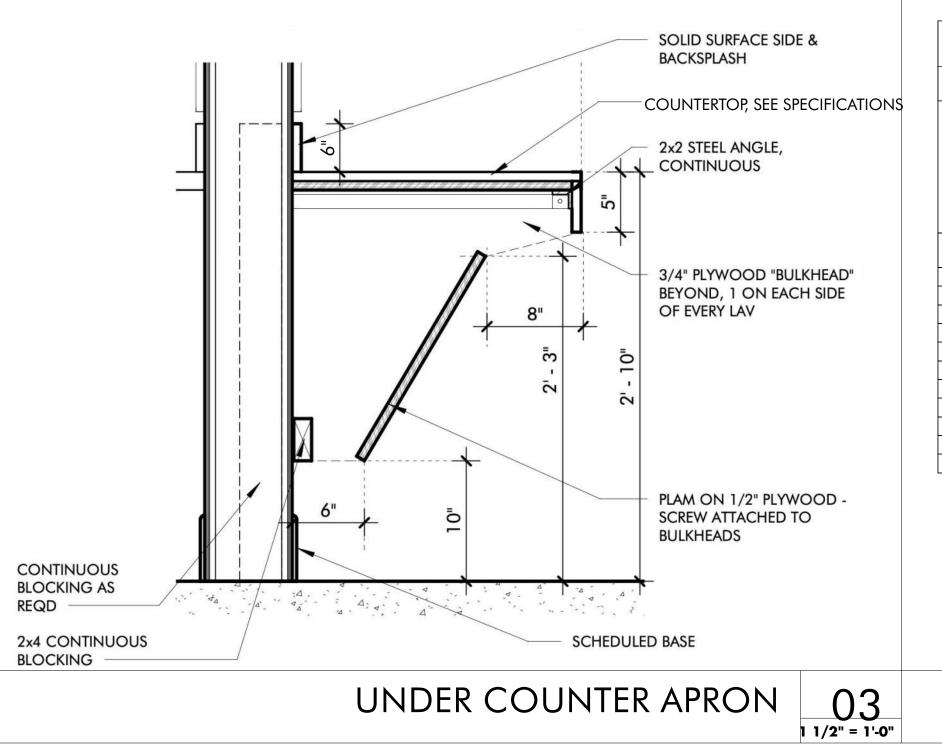




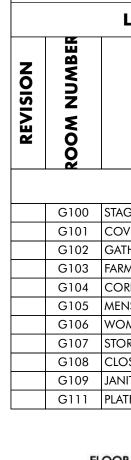




	DOOR SCHEDULE - GATHERING HUB										
									DETAILS		
DOOR NO.	TYPE	HEIGHT	WIDT H	INT/EX T	FRAME	DOOR MAT'L	HRDWR SET	HEAD	SILL	JAMB	ADD COMMENTS
102a	WS2	8'0"	7'0"	EXT	WD	WD	ENTRY-5				
102b	WS2	8'0"	7'0"	EXT	WD	WD	ENTRY-5				
103a	WS2	8'0"	6'0"	EXT	WD	WD	ENTRY-5				
103b	WS2	8'0"	6'0"	EXT	WD	WD	ENTRY-5				
104	WS1	8'0"	3'0"	EXT	WD	WD	ENTRY-4				
105	FG1	8'0"	3'0"	EXT	FG	FG	PASSAGE-3	7/AG510	1/AG510	4/AG510	
106	FG1	8'0"	3'0"	EXT	FG	FG	PASSAGE-3	7/AG510	1/AG510	4/AG510	
107	FG1	8'0"	3'0"	EXT	FG	FG	OFFICE-2	7/AG510	1/AG510	4/AG510	
108a	FG1	8'0"	3'0"	EXT	FG	FG	OFFICE-2	8/AG510	2/AG510	5/AG510	
108b	FG1	8'0"	3'0"	EXT	FG	FG	OFFICE-2	8/AG510	2/AG510	5/AG510	
109	FG1	8'0"	3'0"	EXT	FG	FG	OFFICE-2	7/AG510	1/AG510	4/AG510	



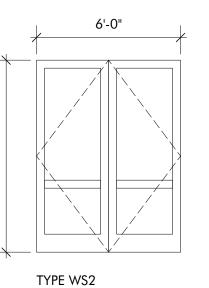
UNDER COUNTER APRON



FLOOR SC-1

HARDWARE SETS SCHEDULE							
ŶŢŶ	ITEM	REMARKS					
NTRY-	4						
1	CLOSER+CUSH, HOLD OPEN						
4	HINGES	BALL-BEARING					
1	PULL BAR LOOP						
1	PUSH PLATE						
1	LOCKSET						
1	WALL STOP						
NTRY-	5						
2	CLOSER+CUSH, HOLD OPEN						
8	HINGES	BALL-BEARING					
2	PULL BAR LOOP						
2	PUSH PLATE						
1	LOCKSET						
2	WALL STOPS						
ASSAC	ŞE-3						
1	CLOSER+CUSH, HOLD OPEN						
4	HINGES	BALL-BEARING					
1	PULL BAR LOOP						
1	PUSH PLATE						
FFICI							
	CLOSER+CUSH, HOLD OPEN						
	HINGES	BALL-BEARING					
		ENTRY OR OFFICE FUNCTION					
1	WALL STOP						

DOOR SCHEDULES





DOUBLE WOOD SCREEN DOOR IN WOOD FRAME

TYPE WS1 SINGLE WOOD SCREEN DOOR IN WOOD FRAME

					FI	NISH S	CHEDU	ILE	
LOCATION				WA	LLS				
ROOM NAME	FLOOR FINISH	BASE	WEST	NORTH	EAST	SOUTH	CEILING	SIGNAGE	COMI
			1			1	1	11	
TAGING PORCH	WD-1	N/A	N/A	N/A	N/A	SCRN	EXP		
OVERED PORCH	WD-1	N/A	N/A	SCRN	N/A	N/A	EXP		
SATHERING SPACE	SC-1	SWB	N/A	SCRN	SCRN	SCRN	EXP		
ARM HARVEST CLASSROOM	SC-1	SWB	WD	SCRN	WD	SCRN	EXP		
CORRIDOR	SC-1	SWB	SCRN	SCRN	N/A	WD	EXP		
IENS	SC-1	SWB	WD	WD	WD	WD	EXP		
/OMENS	SC-1	SWB	WD	WD	WD	WD	EXP		
TORAGE	SC-1	SWB	WD	WD	WD	WD	EXP		
CLOSET	SC-1	SWB	WD	WD	WD	WD	EXP		
ANITOR	SC-1	SWB	CONC	CONC	CONC	CONC	EXP		
LATFORM	GRAVEL	N/A	WD	N/A	N/A	N/A	N/A		

SEALED CONCRETE SWB RB

BASE

STAINED WOOD BASE RUBBER BASE

WALLS GB-1 GYPSUM WALL BOARD,

GB-2

CWT WD

PAINTED

PAINTED

MOISTURE RESISTANT

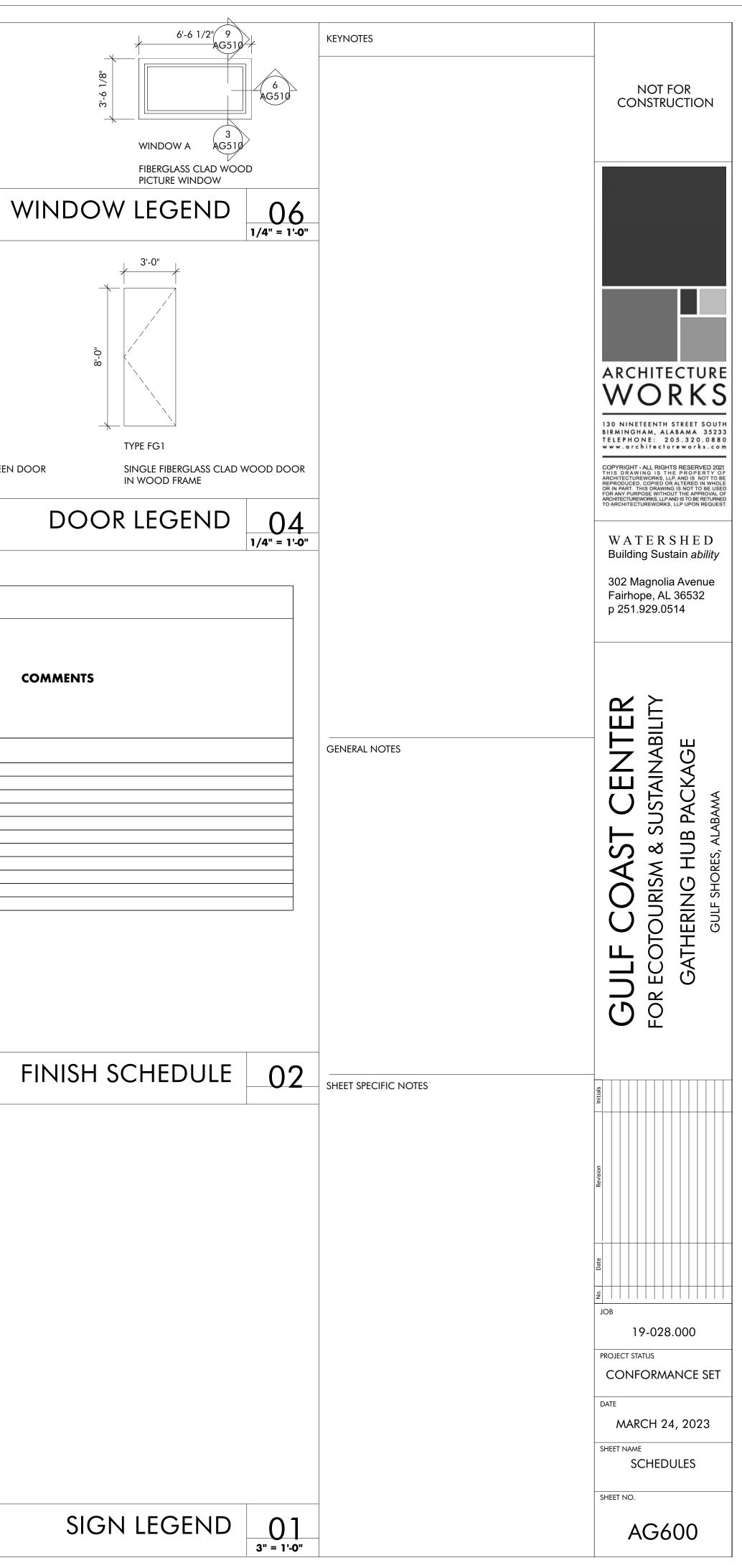
GYPSUM WALL BOARD,

CERAMIC WALL TILE WOOD BOARDS, STAINED

05

CEILINGS

	Config.
GB-1	GYPSUM WALL BOARD,
	PAINTED
GB-2	MOISTURE RESISTANT
	GYPSUM WALL BOARD,
	PAINTED
EXP	EXPOSED TO STRUCTURE



	ERAL REQUIREMENTS: THESE STRUCTURAL DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH
	THE INTERNATIONAL BUILDING CODE. ALL CONSTRUCTION SHALL CONFORM TO THE EDITION OF THE INTERNATIONAL BUILDING CODE REFERENCED. REFERENCE TO OTHER SPECIFICATIONS OR CODES SHALL MEAN THE VERSION INDICATED IN THE INTERNATIONAL BUILDING CODE.
	THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH ALL OTHER DISCIPLINES DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE
	ARCHITECT/ENGINEER. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS AND COORDINATE STRUCTURAL DIMENSIONS, ELEVATIONS AND SECTIONS WITH ARCHITECTURAL DIMENSIONS, ELEVATIONS, AND SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT/ENGINEER PRIOR TO THE FABRICATION OR INSTALLATION OF
	STRUCTURAL MEMBERS. STRUCTURAL DRAWINGS SHOW TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY AND SHALL APPLY FOR LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE SHOWN. IF THERE IS A QUESTION REGARDING THE APPLICABILITY OF A DETAIL, CONTACT THE ARCHITECT/ENGINEER IN WRITING
	REQUESTING CLARIFICATION. COORDINATE AND VERIFY ALL OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND/OR ELECTRICAL DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION. STRUCTURAL DRAWINGS ONLY
	SHOW OPENINGS RELATIVE TO THE STRUCTURE. COORDINATE ALL LIMITS AND DEPTHS OF DEPRESSIONS FOR FLOOR FINISHES WITH ARCHITECTURAL DRAWINGS AND SCHEDULES. LIMITS SHOWN ON STRUCTURAL DRAWINGS ARE SCHEMATIC. COORDINATE FLOOR JOINTS WITH
	ARCHITECTURAL FLOOR FINISHES. STRUCTURAL MEMBERS SHALL NOT BE CUT, NOTCHED, CHANGED OR MODIFIED WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD. DO NOT SCALE FOR DIMENSIONS NOT SHOWN ON THE DRAWINGS. SEND A
	WRITTEN REQUEST FOR INFORMATION TO THE ARCHITECT/ENGINEER FOR DIMENSIONS NOT PROVIDED. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE MEANS,
	METHOD OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. THE ENGINEER WILL NOT ADVISE ON OR ISSUE
	DIRECTION RELATED TO SAFETY REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE OSHA REGULATIONS. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT
	CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LIVE LOAD. WHERE SPECIFIED, POST INSTALLED ANCHORING SYSTEMS SUCH AS MANUFACTURED BY SIMPSON OR HILTI, SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. SPECIAL ATTENTION SHALL BE GIVEN TO THE DRILLING, CLEANING, AND PREPARATION OF
	HOLES. WHERE ADHESIVE ANCHORS ARE SHOWN, SPECIAL ATTENTION SHALL BE GIVEN TO THE REQUIRED MIXING, APPLICATION, AND CURING TIME OF THE ADHESIVE SPECIFIED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION THAT MIGHT BE AFFECTED BY, OR
	OTHERWISE INTERFERE WITH, INSTALLATION OF NEW WORK. THIS INCLUDES THOSE THAT MIGHT BE DAMAGED BY NEW FOUNDATIONS OR OTHER WORK, AND THOSE WHOSE PRESENCE MIGHT LEAD DAMAGE TO THE NEW WORK (e.g. DIFFERENTIAL SETTLEMENT).
SI	<u>GN CRITERIA:</u>
	GENERAL BUILDING CODE: 1. INTERNATIONAL BUILDING CODE, IBC 2021 EDITION. ALL CODES BELOW ARE THE EDITION REFERENCED IN THE IBC.
	DESIGN LOAD CRITERIA: 1. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7. CONCRETE:
	 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AMERICAN CONCRETE INSTITUTE, ACI 318. STRUCTURAL STEEL: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE
	 OF STEEL CONSTRUCTION, AISC 360. TIMBER: 1. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, AMERICAN FOREST & PAPER ASSOCIATION/AMERICAN WOOD COUNCIL, NDS.
SI	GN LOADS:
.01	DESIGN DEAD LOAD IS ACTUAL WEIGHT OF THE STRUCTURE. ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF
	THE STRUCTURE. LIVE LOADS (PSF): 1. ROOF 20
	2. STAIRS, EXIT WAYS 100 3. FLOOR 100 LIVE LOAD REDUCTIONS HAVE BEEN APPLIED IN ACCORDANCE WITH THE
	BUILDING CODE WHEN PERMITTED. SNOW LOADS (PSF):
	1. GROUND SNOW LOAD (Pg) 0.0 WIND LOADS:
	2.ALLOWABLE WIND SPEED (Vasd)124 MPH3.RISK CATEGORYII4.EXPOSURE CATEGORYC
	5. PRESSURE COEFFICIENT (ENCLOSED) +/- 0.18 6. PRESSURE COEFFICIENT (PAR. ENCLOSED) +/- 0.55 7. PRESSURE COEFFICIENT (OPEN) +/- 0.00
	SEE DRAWINGS FOR EXTERIOR COMPONENT AND CLADDING WIND PRESSURES, EDGE STRIP WIDTH "a", AND PRESURE COEFFICIENT USED. THIS STRUCTURE IS LOCATED WITHIN A WIND BORNE DEBRIS REGION AND
	THIS STRUCTURE IS LOCATED WITHIN A WIND BORNE DEBRIS REGION AND REQUIRES IMPACT RESISTANT GLAZING. SEISMIC LOADS: 1. <u>RISK CATEGORY</u> II 2. <u>NOODTANIOE FACTOR (In)</u>
	2.IMPORTANCE FACTOR (le)1.03.SOIL SITE CLASSD4.MAPPED SPECTRAL RESPONSE ACCELERATIONS: 1.Ss = 0.083
	2. S1 = 0.054 5. DESIGN SPECTRAL RESPONSE ACCELERATIONS: 1. Sds = 0.088 2. Sd1 = 0.087
	6.SEISMIC DESIGN CATEGORYB7.SEISMIC RESPONSE COEFFICIENT (Cs)0.0598.RESPONSE MODIFICATION FACTOR (R)1.5
	9. DESIGN BASE SHEAR 0.059W

SPECIAL INSPECTIONS:

- SPECIAL INSPECTIONS ARE REQUIRED FOR TH THE REQUIREMENTS OF CHAPTER 17 OF THE IN APPROVED SPECIAL INSPECTOR WITH QUALIFIC BUILDING OFFICIAL SHALL PERFORM THE REQU INSPECTIONS.
- OBSERVATION BY THE STRUCTURAL ENGINEER TESTING AND INSPECTIONS BY THE TESTING A INSPECTOR.
- THE COSTS OF THE SPECIAL INSPECTOR'S SEF OWNER. THE COSTS OF OTHER INSPECTIONS
- CONTRACT DOCUMENTS SHALL BE PAID FOR E THE FOLLOWING DOCUMENTS HAVE BEEN PRE
- PART OF THESE CONSTRUCTION DOCUMENTS: STATEMENT OF SPECIAL INSPECTIONS SCHEDULE OF SPECIAL INSPECTIONS
- CONTRACTOR AND SUBCONTRACTORS ENGAG WIND FORCE OR SEISMIC FORCE RESISTING S STATEMENT OF RESPONSIBILITY TO THE BUILD ACCORDANCE WITH THE PROVISIONS OF CHAF THE CONTRACTOR SHALL COORDINATE THE IN
- ACCORDANCE WITH PROGRESS OF THE WORK PROVIDE SUFFICIENT NOTICE TO THE INSPECT SCHEDULING OF PERSONNEL. ALL REPORTS AND SHOP CERTIFICATIONS OF
- PERFORMED ON THE PREMISES OF A FABRICA TO THE CONTRACTOR. THE CONTRACTOR SHA DISTRIBUTING THESE REPORTS TO THE SPECI AND THE STRUCTURAL ENGINEER IN A TIMELY
- THE SPECIAL INSPECTOR SHALL PREPARE THE PLANS AND SUBMIT THE PLAN TO THE BUILDIN STRUCTURAL ENGINEER FOR APPROVAL PRIOF
- ALL SPECIAL INSPECTION REPORTS SHALL BE OF THE SPECIAL INSPECTOR AND ALL REPORT BUILDING OFFICIAL AND TO THE STRUCTURAL REPORTS SHALL BE AS AGREED UPON BY THE
- REPORTS SHALL INDICATE THAT THE WORK W 10 CONSTRUCTED IN ACCORDANCE WITH THE CO NONCONFORMING ITEMS SHALL BE BROUGHT THE CONTRACTOR FOR CORRECTION, THEN IF OFFICIAL, ARCHITECT, AND THE STRUCTURAL
- THE SPECIAL INSPECTOR, UPON COMPLETION ISSUANCE OF A CERTIFICATE OF OCCUPANCY, SEALED FINAL REPORT DOCUMENTING COMPL INSPECTIONS AND CORRECTION OF ANY DISCR

SHOP DRAWINGS AND SUBMITTALS:

- THE USE OR REPRODUCTION OF THE CONTRA CONTRACTOR, SUBCONTRACTOR, OR MATERIA PREPARATION OF SHOP DRAWINGS IS NOT PER SHOP DRAWINGS SHALL DETAIL ALL CONDITION SPECIFIED STANDARDS AND THE SPECIFIC REC
- INDICATED ON THE DRAWINGS. THE CONTRACTOR REMAINS SOLELY RESPONSE ASSOCIATED WITH THE PREPARATION OF SHO CONTRACT DOCUMENTS. ALL SHOP DRAWING APPROVED" BY THE CONTRACTOR PRIOR TO ENGINEER. REVIEW OF SHOP DRAWINGS AND
- STRUCTURAL ENGINEER DOES NOT RELIEVE T RESPONSIBILITIES. SHOP DRAWINGS AND CALCULATIONS SUBMIT
- DESIGN SHALL BE SIGNED AND SEALED BY A LIC OF THE PROJECT HARDCOPY SHOP DRAWING SUBMITTALS: SUB
- THREE PRINTS ONLY. ONE PRINT WILL BE RET PRINTS REQUIRED BY THE CONTRACTOR ARE CONTRACTOR AND SHALL BE MADE AFTER APP RETURNED. IF ADDITIONAL PRINTS ARE SUBM UNMARKED ELECTRONIC SHOP DRAWING SUBMITTALS: SU
- DRAWINGS IN PDF FORMAT. REVIEWED SHOP PDF FORMAT. ALL PRINTS REQUIRED BY THE (**RESPONSIBILITY OF THE CONTRACTOR AND SH** SHOP DRAWINGS ARE RETURNED.
- RESUBMITTED SHOP DRAWINGS RESUBMIT ALL CHANGES SINCE THE PREVIOUS SUBMISSI OTHER CLEAR COMMUNICATION. RE-REVIEWE REVIEWED FOR IDENTIFIED CHANGES.
- SHOP DRAWINGS: SEE THE RELATED MATERIA SUBMITTALS AND SHOP DRAWINGS.

SOILS, SLABS, WALLS, AND SHALLOW FOU

- THE FOUNDATION AND SLAB ON GRADE DESIG ESTABLISHED IN THE GEOTECHNICAL REPORT "GULF COAST CENTER FOR ECOTOURISM AND NO.20-1101-0049, DATED MARCH 22, 2021". THE COPY OF THE GEOTECHNICAL REPORT FROM REQUIREMENTS AND RECOMMENDATIONS.
- MAX ALLOWABLE BEARING PER GEOTECHNICA 1. UNLESS NOTED OTHERWISE ALL FOUNDATION BEARING SURFACES SHALL E
- GEOTECHNICAL ENGINEER PRIOR TO PLACING COMPLIANCE WITH THE PRESSURES NOTED. T PROJECT SPECIFICATIONS, AND THE GEOTECH
- ALL FOOTING ELEVATIONS ARE ESTIMATED AN THE GEOTECHNICAL ENGINEER.
- COMPACTED FILL SHALL MEET THE REQUIREM REPORT WHEN EXCAVATIONS APPROACH THE GROUND
- SHALL BE LOWERED BY AN ACCEPTABLE DEWA WATER LEVEL IS MAINTAINED CONTINUOUSLY **EXCAVATION DURING CONSTRUCTION.**
- CONTRACTOR SHALL FOLLOW THE SITE WORK RECOMMENDATIONS PROVIDED IN THE GEOTE
- EARTH SUPPORTED SLAB: SUBGRADE MODULUS (SHORI
- PROVIDE 4" COMPACTED GRANULAR FILL BEN PROVIDE A 10 MIL MINIMUM VAPOR BARRIER BE OF GRANULAR FILL.
- 12 PROVIDE ¹/₂" P.E.J FILLER AROUND PERIMETER VERTICAL SURFACES AND AT COLUMN ISOLATI
- SEE PROJECT SPECIFICATIONS FOR FLOOR FL REQUIREMENTS.
- SIDES OF FOUNDATIONS SHALL BE FORMED UN FORMING
- HORIZONTAL BARS IN FOOTINGS AND STEM WA PROVIDE CORNER BARS AT ALL INTERSECTION SUPPORT BOTTOM REINFORCING IN FOOTINGS PLASTIC CHAIRS SPACED A MAXIMUM OF 3'-0" E POSITIONED TO PROVIDE A MINIMUM OF 3" CLE REINFORCING BAR.
- CONSTRUCTION JOINTS IN CONTINUOUS FOOT WITH A CLASS B LAP IN HORIZONTAL REINFORC POUR A 2" MUD MAT OF LEAN CONCRETE IN TH
- EXCAVATION THAT WILL BE EXPOSED TO RAIN. ALL REINFORCING SHALL BE TIED IN PLACE PRI FOUNDATION PENETRATIONS SHALL BE SUBJE 20.
- STRUCTURAL ENGINEER. WHERE FOOTING STEPS ARE REQUIRED, THEY VERTICAL TO TWO HORIZONTAL.
- WHERE GRAVITY PLUMBING LINES OCCUR BEL FOOTING DOWN TO PROVIDE CLEARANCE. CC
- DRAWINGS FOR LOCATIONS, SIZES, AND INVER PREVENT SURFACE WATER AND GROUND WAT 23. AND FROM PONDING ON PREPARED SUBGRAD
- EXCAVATED TRENCHES AS TEMPORARY DRAIN DEWATER EXCAVATIONS AND REMOVE ANY WE OF CONCRETE.
- IMMEDIATELY NOTIFY THE OWNERS REPRESEN SOIL CONDITIONS ARE FOUND.

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IS PROJECT IN ACCORDANCE WITH	<u>CONC</u> 1.	<u>CRETE:</u> ALL CON
NTERNATIONAL BUILDING CODE. AN CATIONS SATISFACTORY TO THE	2.	STRUCT
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R'S OFFICE DOES NOT REPLACE	3.	THE COI
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RVICES SHALL BE PAID FOR BY THE AND TESTING SPECIFIED IN THE	4.	CONTRA REINFOI
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ISPECTION SERVICES IN		
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SPECIAL INSPECTIONS TO BE		REVIEW OBTAINI
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AL INSPECTOR, THE ARCHITECT,	8.	RECYCL
MANNER. E REQUIRED QUALITY ASSURANCE		CONTAII GREATE
G OFFICIAL AND TO THE R TO CONSTRUCTION.	9.	IN FLAT SEE COI
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UNCORRECTED, TO THE BUILDING ENGINEER.		CONSTR
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		BUILDIN SAND-BI
BMIT ALL SHOP DRAWINGS ON URNED TO THE CONTRACTOR. ALL	21.	STEEL. ALL SPL
THE RESPONSIBILITY OF THE PROVED SHOP DRAWINGS ARE	22.	OTHERV
ITTED, THEY WILL BE RETURNED	22.	PLACINO
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HALL BE MADE AFTER APPROVED	24. 25.	HOOKS FIELD BI
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D SHOP DRAWINGS WILL ONLY BE		
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BY THOMPSON ENGINEERING TITLED SUSTAINABILITY PROJECT, PROJECT	3.	1. STRUCT
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	5. 6.	STEEL P
L REPORT (PSF): 2000	0.	ALL SHC
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WATER TABLE, THE WATER LEVEL	10.	USE SNI ALL EXT
ATERING SYSTEM SO THAT THE A MINIMUM OF 2' BELOW THE		SHALL B SANDBL
AND SUBGRADE		GALVAN HEX NU
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OF SLABS WHERE THEY ABUT		MASON
ION JOINTS AS DETAILED.	2. 3.	THE CO
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SHALL BE NO STEEPER THAN ONE	8.	MASON PLACEM
OW TOP OF WALL FOOTING, STEP	9. 10.	
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ES AND SLABS. DO NOT USE JAGE DITCHES.		COURSI THORO
ET MATERIAL PRIOR TO THE PLACING	12.	PROVID
NTATIVE AND ENGINEER IF UNUSUAL		HEIGHT
		ARCHIT REINFO
	13.	ADEQU/

DETAIL CONCRETE REINFORCEMENT AND ACCESSORIES IN ACCORDANCE WITH ACI 315 "DETAILING MANUAL" THE CONTRACTOR SHALL SUBMIT FOR THE STRUCTURAL ENGINEER'S REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS. CONCRETE MIX DESIGNS (40% FLY ASH) CONCRETE REINFORCING (100% RECYCLED CONTENT) CONTRACTOR SHALL NOT FABRICATE OR PLACE REINFORCEMENT UNTIL REINFORCEMENT SHOP DRAWINGS, REVIEWED AND STAMPED BY THE STRUCTURAL ENGINEER, ARE RECEIVED ON THE JOB SITE. SHOP DRAWINGS SHALL CONSIST OF BOTH "CUT" AND PLACEMENT SHEETS. PLACEMENT SHEETS SHALL CONTAIN ALL INFORMATION NECESSARY TO POSITION ALL REINFORCING STEEL IN THE FIELD WITHOUT HAVING TO REFER TO THE STRUCTURAL DRAWINGS. ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL NOT BE COPIED OR REPRODUCED FOR USE AS SHOP DRAWINGS. A QUALITY ASSURANCE PROGRAM CONSISTING OF SUBMITTALS, TESTING, AND INSPECTIONS SHALL BE USED TO VERIFY THAT CONSTRUCTION IS IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. MATERIAL QUALITY, HANDLING, STORAGE, PREPARATION, PLACEMENT, AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE CODE. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE OWNER'S TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED CONCRETE DESIGN STRENGTH IS THE CONTRACTOR'S. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 AND CONTAIN 100% RECYCLED CONTENT. WELDED WIRE REINFORCEMENT (WWR) SHALL CONFORM TO ASTM A1064 AND CONTAIN 100% RECYCLED CONTENT. MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2" OR 8". WWR SHALL BE SUPPLIED IN FLAT SHEETS (NOT ROLLS). SEE CONCRETE MIX DESIGN SCHEDULE FOR REQUIRED CONCRETE STRENGTH AND PROPERTIES. CONCRETE DESIGN SHALL INCLUDE 40% FLY ASH. USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 3/4 INCH CHAMFER. CONSTRUCTION JOINTS IN A HORIZONTAL PLANE ARE NOT PERMITTED ANY STOP IN CONCRETE WORK MUST BE MADE WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS. MAKE ALL REINFORCING CONTINUOUS THROUGH CONSTRUCTION JOINTS. CONTROL JOINTS FOR CONCRETE SLABS ON GRADE SHALL BE AS DETAILED AND LOCATED AS SHOWN IN THE CONSTRUCTION DOCUMENTS. EARTH SUPPORTED SLABS: 4" THICK, REINFORCED WITH 4X4 W2.9/W2.9 WWR AT MID-DEPTH OF SLAB, UNLESS NOTED OTHERWISE. COAT ALL SLABS WITH CURING COMPOUND WITHIN 24 HOURS OF PLACING. PRODUCT USED SHALL CONFORM WITH ASTM C309, AND SHALL BE COMPATIBLE WITH ADHERED FINISHES. A DISSIPATING FORMULATION SHALL BE USED AT CEMENTITIOUS FINISHES. SLAB JOINTS SHALL BE FILLED WITH AN APPROVED MATERIAL. THIS SHOULD TAKE PLACE AS LATE AS POSSIBLE, PREFERABLY 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINTS, THEN FILL IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AS FOLLOWS: 6" SLABS FILL WITH EPOXY RESIN, OTHER SLABS FILL WITH FIELD MOLDED OR ELECTROMETRIC SEALANT SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF DEPRESSED SLABS AND DRAINS. SLOPE SLAB TO DRAINS WHERE SHOWN. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND VENDOR DRAWINGS FOR SLEEVES, EMBEDDED ITEMS, ACCESSORIES, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PLACING ALL SLEEVES, EMBEDDED ITEMS, ACCESSORIES, ETC. SEE CONCRETE COVER SCHEDULE FOR REQUIRED STEEL COVERAGE. REINFORCING BAR PLACING ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS. WHERE CONCRETE IS SAND-BLASTED OR BUSH-HAMMERED, PROVIDE ACCESSORIES OF STAINLESS STEEL ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED OTHERWISE TIE ALL REINFORCING STEEL AND EMBEDMENT'S SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES. "STICKING" DOWELS INTO WET CONCRETE IS NOT PERMITTED. ADDITIONAL REINFORCING AND THE QUANTITY OF REINFORCING OCCURRING AT OPENINGS SHALL BE PLACED EQUALLY EACH SIDE OF OPENINGS AS DETAILED. HOOKS IN REINFORCING ARE IN ADDITION TO LENGTH SHOWN. FIELD BENDING OF BARS LARGER THAN #4 IS NOT PERMITTED. ALL BENDS FOR BARS LARGER THAN #4 SHALL BE SHOP MADE COLD BENDS TRUCTURAL STEEL: FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES". THE CONTRACTOR SHALL SUBMIT FOR THE STRUCTURAL ENGINEER'S REVIEW SHOP DRAWINGS WHICH INCLUDE ERECTION DRAWINGS. MATERIALS. CONNECTIONS, FABRICATION, AND ALL DETAILS FOR THE FOLLOWING ITEMS. STRUCTURAL STEEL STRUCTURAL STEEL: ASTM A36 FOR ALL STEEL HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C. STEEL PIPE: ASTM A53, TYPE E OR S, GRADE B. WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16". ALL SHOP AND FIELD WELDING SHALL BE BY A CERTIFIED WELDER AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY D1.1 SPECIFICATION. HEADED ANCHOR RODS: ASTM F1554, GRADE 55, WELDABLE ANCHOR AND HEAVY HEX NUT, UNLESS INDICATED OTHERWISE. ENGINEER SHALL BE CONTACTED FOR APPROVAL OF ANY FIELD MODIFICATIONS OR REPAIRS OF ANCHOR BOLTS OR RODS, AND COLUMN BASE PLATES. BOLTED CONNECTIONS: BEARING TYPE A325-N IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". USE SNUG TIGHT BEARING CONNECTIONS FOR ALL BOLTED CONNECTIONS. ALL EXTERIOR ELEMENTS AND THOSE ELEMENTS NOTED TO BE GALVANIZED SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AFTER SANDBLAST CLEANING PER SSPC-SP10. USE ASTM A325 BOLTS HOT DIPPED GALVANIZED WITH GALVANIZED HARDENED WASHERS AND GALVANIZED HEAVY HEX NUTS FOR BOLTING OF GALVANIZED ITEMS. ALL STEEL BELOW GRADE SHALL HAVE A MINIMUM 3" CONCRETE COVER. MASONRY: MASONRY CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE MASONRY SOCIETY AND THE AMERICAN CONCRETE INSTITUTE. ALL MASONRY SHALL BE RUNNING BOND, UNLESS NOTED OTHERWISE THE CONTRACTOR SHALL SUBMIT FOR THE STRUCTURAL ENGINEER'S REVIEW THE BELOW LISTED ITEMS. MORTAR MATERIALS CERTIFICATES AND MIX DESIGN GROUT MATERIALS CERTIFICATES AND MIX DESIGN THE CONTRACTOR SHALL SUBMIT FOR THE STRUCTURAL ENGINEER'S REVIEW SHOP DRAWINGS SHOWING ALL FABRICATION DIMENSIONS AND LOCATIONS FOR PLACING REINFORCING STEEL AND ACCESSORIES. PROVIDE CONCRETE MASONRY UNITS WITH A MINIMUM COMPRESSIVE STRENGTH OF f'm = 2500 PSI, AS DETERMINED IN ACCORDANCE WITH ASTM C140. PROVIDE HOLLOW, LOAD BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90 PROVIDE TYPE "S" MORTAR IN ACCORDANCE WITH ASTM C270, UNLESS NOTED OTHERWISE COURSE MASONRY GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8". MINIMUM COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS. STOP GROUT 2" SHORT OF TOP BED JOINT TO CREATE A SHEAR KEY WITH THE NEXT LIFT. MASONRY GROUT SHALL BE MECHANICALLY CONSOLIDATED AT THE TIME OF PLACEMENT AND THEN RECONSOLIDATED WITHIN 45 MINUTES. DEFORMED REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. ALL REINFORCING IN MASONRY WALLS SHALL BE FULLY ENCLOSED WITH PROPERLY CONSOLIDATED GROUT. WHEN LAYING BLOCK MORE THAN FIVE FEET FOUR INCHES VERTICAL PRIOR TO GROUTING (HIGH LIFT), PROVIDE A 4"X4" CLEAN OUT OPENING AT THE BOTTOM COURSE OF EACH LIFT AT EACH REINFORCED CELL. CELLS SHALL BE THOROUGHLY CLEANED PRIOR TO GROUTING. SEAL OPENING DURING GROUTING. PROVIDE 9 GA. GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCEMENT COMPLYING WITH ASTM A82 OR ASTM A951 AT 16" OC VERTICALLY FOR FULL WALL HEIGHT. LAP 6" MINIMUM AND PROVIDE PREFAB CORNERS AND TEES. SEE ARCHITECTURAL FOR BRICK TIES FABRICATED INTEGRAL WITH JOINT REINFORCING, IF REQUIRED ADEQUATE TEMPORARY BRACING OF CMU WALLS MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE TO PROVIDE ADEQUATE LATERAL STABILITY TO THE WALL

ALL CONCRETING OPERATIONS SHALL COMPLY WITH ACI 301, "SPECIFICATIONS FOR

STRUCTURAL CONCRETE FOR BUILDINGS".

W

WOO	D FRAMING:
1.	WOOD CONSTRUCTION SHALL
1.	CODE AND THE AMERICAN WO
2.	A QUALITY ASSURANCE PROG
۷.	INSPECTIONS SHALL BE USED
	CONFORMANCE WITH THE CO
	HANDLING, STORAGE, PREPA
	CONFORM TO THE REQUIREM
3.	WOOD FRAMING MEMBERS: \
-	PINE.
4.	TRUSSES SPANNING GREATE
	DIMENSIONED #1 SOUTHERN
5.	SILL PLATES, SOLE PLATES AN
	STUDS TO WHICH THEY ARE (
	ABOVE.
6.	ALL PRESSURE TREATED LUM
	COPPER QUATERNARY (ACQ)
	ACCORDANCE WITH AMERICA
	STANDARD.
7.	PRESERVATIVE RETENTION:
	1. 0.60 LBS/FT3 PERMAN
	2. 0.40 LBS/FT3 GROUND
	3. 0.25 LBS/FT3 ABOVE G
8.	ALL FASTENERS, NAILS AND C
	TREATED LUMBER SHALL BE I
	RECOMMENDED BY THE PRES
	LUMBER SHALL NOT BE IN DIF
9.	DIMENSIONED LUMBER FLOO
	AT ENDS, POINTS OF BEARING
	BLOCKING, BRIDGING, OR TRA
	ROTATION.
10.	ALL MANUFACTURED WOOD F
	TIE COMPANY, INC. OR APPRO
	FASTENED TO FRAMING MEM
	CONNECTOR HOLES WITH TH
	MANUFACTURER.
11.	FLOOR SHEATHING: 3/4" TON
	FLOOR RATED SHEATHING, EX
	LONG DIMENSION OF PANEL F
	STAGGERED.
12.	FLOOR SHEATHING NAILING, U
	COMMON NAILS AT 6 INCHES
	ENDS AND INTERMEDIATE SU
13.	ROOF SHEATHING (TYPICAL):
	SHEATHING, EXPOSURE I. PAN
	OF PANEL PERPENDICULAR T
14.	ROOF SHEATHING (WELCOME
	RATED SHEATHING, EXPOSUR
	DIMENSION OF PANEL PERPE
	STAGGERED.
15.	ROOF SHEATHING NAILING, U
	COMMON NAILS AT 6 INCHES
	PANEL EDGES AND 12 INCHES
16.	TONGUE AND GROOVE ROOF
	PINE NO. 1 GRADE SOLID TIME
	TWO SPAN MINIMUM WITH EN
17.	TONGUE AND GROOVE ROOF
	WITH THREE 16D COMMON NA
	NAILED.
18.	SHEAR WALL SHEATHING: 15/

BACKED WITH TWO-INCH NOMINAL OR WIDER FRAMING. 19. 20. OTHERWISE 21.

- APPEARANCE. 23.
- 24.

LOAD

<u> BENDING (Fb)</u> ENSION (Ft) COMP PARALLEL TO (

COMP PERPEND TO SHEAR PARALLEL MODULUS OF ELAST

SHOP FABRICATED WOOD TRUSSES

- LOCATED.
- REQUIREMENTS OF THE CODE.
- STRUCTURE
- 5 LOADS (PSF): ROO TOP CHORD DEAD LOAD TO THE TOP CHORD.
- WITH THE BUILDING CODE.
- CONTRACTOR
- MANUFACTURER'S ERECTION PLANS.
- MANUFACTURER

. COMPLY WITH THE INTERNATIONAL BUILDING OOD COUNCIL REQUIREMENTS. GRAM CONSISTING OF SUBMITTALS AND TO VERIFY THAT THE CONSTRUCTED WOOD IS IN

ONTRACT DOCUMENTS. MATERIAL QUALITY, ARATION, PLACEMENT, AND CONSTRUCTION SHALL MENTS OF THE CODE. VISUALLY GRADED DIMENSIONED #2 SOUTHERN

ER THAN TWENTY-FOUR FEET: VISUALLY GRADED

ND TOP PLATES SHALL BE OF THE SAME SIZE AS THE CONNECTED. GRADE SHALL BE AS SPECIFIED

MBER SHALL BE PRESSURE TREATED WITH ALKALINE) OR MICRONIZED COPPER AZOLE (MCA) IN AN WOOD PROTECTION ASSOCIATION (AWPA)

IENT WOOD FOUNDATIONS CONTACT

GROUND

OTHER METAL PRODUCTS USED WITH PRESSURE HOT-DIP GALVANIZED, STAINLESS STEEL, OR AS SERVATIVE MANUFACTURER. PRESSURE TREATED RECT CONTACT WITH ALUMINUM PRODUCTS. R JOISTS AND BEAMS SHALL BE LATERALLY BRACED G AND MAXIMUM INTERVALS OF 8'-0" BY SOLID ANSVERSE BEAMS IN ORDER TO PREVENT

FRAMING CONNECTORS TO BE BY SIMPSON STRONG-OVED EQUAL. ALL CONNECTORS SHALL BE IBERS FILLING THE REQUIRED NUMBER OF E TYPE AND SIZE FASTENERS SPECIFIED BY THE

IGUE & GROOVE PLYWOOD OR OSB, APA SINGLE XPOSURE 1. PANEL IDENTIFICATION INDEX 48/24. PERPENDICULAR TO SUPPORTS WITH JOINTS

UNLESS NOTED: 10D HOT-DIPPED GALVANIZED S AT DIAPHRAGM BOUNDARIES, 8 INCHES AT PANEL JPPORTS.

15/32" PLYWOOD OR OSB. APA STRUCTURAL I RATED NEL IDENTIFICATION INDEX 32/16. LONG DIMENSION TO TONGUE AND GROOVE WITH JOINTS STAGGERED. EHUB): 23/32" PLYWOOD OR OSB, APA STRUCTURAL I IRE I. PANEL IDENTIFICATION INDEX 32/16. LONG ENDICULAR TO TONGUE AND GROOVE WITH JOINTS

JNLESS NOTED: 16D HOT-DIPPED GALVANIZED AT DIAPHRAGM BOUNDARIES, 6 INCHES AT ALL FOUR S AT INTERMEDIATE SUPPORTS. DECKING: PRESSURE TREATED 2X6 T&G SOUTHERN BER DECKING WITH TONGUE INSTALLED UP-SLOPE. ND JOINT SPACING A MINIMUM OF FOUR FEET. DECKING NAILING: ATTACH AT EACH SUPPORT AILS, ONE THROUGH THE TONGUE AND TWO FACE

5/32" PLYWOOD OR OSB, APA STRUCTURAL I RATED SHEATHING, EXPOSURE 1. PANEL IDENTIFICATION INDEX 32/16. LONG DIMENSION OF PANEL PARALLEL OR PERPENDICULAR TO STUDS. ALL PLYWOOD EDGES

SHEAR WALL SHEATHING NAILING, UNLESS NOTED: 10D HOT-DIPPED GALVANIZED COMMON NAILS AT 4 INCHES AT SHEAR WALL BOUNDARIES, 4 INCHES AT ALL FOUR PANEL EDGES AND 12 INCHES AT INTERMEDIATE MEMBERS. GLUED LAMINATED TIMBER SHALL BE SOUTHERN YELLOW PINE, UNLESS NOTED

GLUED LAMINATED TIMBER SHALL CONFORM TO THE REQUIREMENTS OF THE "STRUCTURAL GLUED LAMINATED TIMBER," AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, AITC A190.1 AND "STANDARD APPEARANCE GRADES FOR STRUCTURAL GLUED LAMINATED TIMBER," AITC 110, ARCHITECTURAL

USE WET-USE (WATERPROOF) ADHESIVES FOR ALL GLUED LAMINATED TIMBER. ALL PRESSURE TREATED GLUED LAMINATED TIMBER FRAMING SHALL BE PRESSURE TREATED WITH PENTACHLOROPHENOL IN MINERAL SPIRITS IN ACCORDANCE WITH AITC 109 "STANDARD FOR PRESERVATIVE TREATMENT O STRUCTURAL GLUED-LAMINATED TIMBER." ALL TREATED GLUED LAMINATED TIMBER SHALL BE SEALED WITH 2 COATS OF URETHANE FURNISHED BY THE GLUED LAMINATED SUPPLIER AND APPLIED BY THE CONTRACTOR. GLUE LAMINATED TIMBER STRESS GRADES SHALL PROVIDE THE FOLLOWING MINIMUM PROPERTIES (PSI) FOR BENDING ABOUT THE X-X AXIS: DRY USE WET USE 2400 1900

	1100	880
GRAIN (Fc PAR)	1350	985
BRAIN (Fc PER)	560	295
GRAIN (Fv)	200	175
CITY (E)	1,700,000	1,400,000

DESIGN, FABRICATE, AND ERECT SHOP FABRICATED WOOD TRUSSES IN ACCORDANCE WITH THE "DESIGN SPECIFICATION FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" OF THE TRUSS PLATE INSTITUTE. THE CONTRACTOR SHALL SUBMIT FOR THE STRUCTURAL ENGINEER'S RECORD ERECTION PLANS, TRUSS CALCULATIONS, AND CONNECTION CALCULATIONS, AS DESIGNED BY THE CONTRACTOR. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS

A QUALITY ASSURANCE PROGRAM CONSISTING OF SUBMITTALS AND INSPECTIONS SHALL BE USED TO VERIFY THAT THE CONSTRUCTED WOOD IS IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. MATERIAL QUALITY, HANDLING, STORAGE, PREPARATION, PLACEMENT, AND CONSTRUCTION SHALL CONFORM TO THE

THE WOOD TRUSS SYSTEM ENGINEER SHALL DESIGN THE COMPLETE TRUSS SYSTEM. THE TRUSS SYSTEM IS AN ASSEMBLAGE OF TRUSSES AND TRUSS GIRDERS, TOGETHER WITH ALL BRACING, CONNECTIONS AND OTHER STRUCTURAL ELEMENTS AND ALL SPACING AND LOCATION CRITERIA, THAT, IN COMBINATION, FUNCTION TO SUPPORT THE LOADS APPLICABLE TO THE

TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED

<u>DTTOM CHORD DEAD LOAD</u> TTOM CHORD LIVE LOAD SEE "DESIGN LOADS" SECTION OF THE GENERAL NOTES FOR LIVE LOADS APPLIED

DESIGN ROOF TRUSSES TO RESIST THE WIND UPLIFT LOADING IN ACCORDANCE

IN ADDITION TO THE ABOVE LOADS, WOOD TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED ON TRUSSES. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR LOADING INFORMATION AND LOCATION. LOADING AS REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE

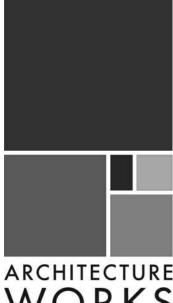
ALL MANUFACTURED TRUSS HOLD-DOWNS TO BE BY SIMPSON STRONG-TIE COMPANY, INC. OR APPROVED EQUAL. ALL CONNECTORS SHALL BE FASTENED TO FRAMING MEMBERS FILLING THE REQUIRED NUMBER OF CONNECTOR HOLES WITH THE TYPE AND SIZE FASTENERS SPECIFIED BY THE MANUFACTURER. ALL TEMPORARY AND PERMANENT BRACING MEMBERS AND CONNECTIONS REQUIRED FOR WOOD TRUSSES SHALL BE DETAILED ON THE WOOD TRUSS

11. TEMPORARY BRACING SHALL NOT IMPOSE ANY FORCE ON THE SUPPORTING

STRUCTURE. PERMANENT BRACING FORCES SHALL BE TRANSFERRED TO THE ROOF OR FLOOR DIAPHRAGM BY THE BRACING DESIGN PROVIDED BY THE TRUSS thompson ENGINEERING

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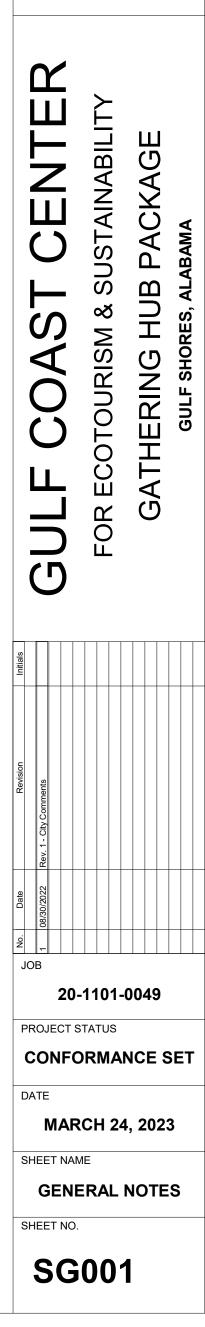


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AB	ANCHOR BOLT	VERT.	VERTICAL
AFF	ABOVE FINISH FLOOR	JST.	JOIST
BOT.	воттом	JT.	JOINT
B.O. BM	BOTTOM OF BEAM	JG.	JOIST GIRDER
B.O. COL	BOTTOM OF COLUMN	K	KIPS (1000 LBS)
B.O. CONC	BOTTOM OF CONCRETE	KLF	KIPS PER LINEAR FOOT
B.O. FTG	BOTTOM OF FOOTING	KSP	KIPS PER SQUARE FOOT
B.O. FTG	BOTTOM OF FOOTING	KSP	KIPS PER SQUARE FOOT
B.O. JST	BOTTOM OF JOIST	KSI	KIPS PER SQUARE FOOT
B.O. SLAB	BOTTOM OF SLAB	LB/S	POUND/POUNDS
B.O. STL	BOTTOM OF STEEL	LLH	LONG LEG HORIZONTAL
B.O. WALL	BOTTOM OF WALL	LLV	LONG LEG VERTICAL
BFF	BELOW FINISH FLOOR	LIN.	LINEAR
BRG.	BEARING	LIN. FT.	LINEAR FOOT
BLK.	BLOCK	MISC.	MISCELLANEOUS
BM.	BEAM	NS	NEAR SIDE
BP	BASE PLATE	NTS	NOT TO SCALE
BRIDG.	BRIDGING	NOM.	NOMINAL
BRG.	BEARING	O.C.	ON CENTER
C/C	CENTER TO CENTER	O.F.	OUTSIDE FACE
CL	CENTERLINE	OPNG.	OPENING
CONN.	CONNECTION	OPP.	OPPOSITE
СМИ	CONCRETE MASONRY UNIT	PL	PLATE
CONST. JT.	CONSTRUCTION JOINT	PAF	POWDER ACTUATED FASTENERS
CONT.	CONTINUOUS	PLF	POUNDS PER LINERA FOOT
CJ	CONTROL JOINT	PCF	POUNDS PER CUBIC FOOT
CONC.	CONCRETE	PCI	POUNDS PER CUBIC INCH
COL.	COLUMN	WP	WORK POINT
CTR.	CENTER	REV.	REVISION
DBL.	DOUBLE	REINF.	REINFORCING
DBA	DEFORMED ANCHOR BAR	REQ'D.	REQUIRED
DBE	DECK BEARING ELEVATIONS	SIM.	SIMILAR
EJ	EXPANSION JOINT	SCHED.	SCHEDULE
ELEV.	ELEVATION	SLH	SHORT LEG HORIZONTAL
EMBED.	EMBEDMENT	SLV.	SHORT LEG VERTICAL
EXIST. GR.	EXISTING GRADE	SJ	SAW JOINT
EXIST.		SPA.	SPACING
EOS	EDGE OF SLAB	SF	SQUARE FOOT
FF	FINISH FLOOR	STD.	STANDARD
F.O. BM.	FACE OF BEAM	STIFF.	STIFFENER
F.O. COL.	FACE OF COLUMN	STRUCT.	STRUCTURAL
F.O. CONC.	FACE OF CONCRETE	TBR	
F.O. FTG.	FACE OF FOOTING	T&B	TOP AND BOTTOM
F.O. JST.	FACE OF JOIST	T.O. BM	
F.O. SLAB	FACE OF SLAB	T.O. COL	
F.O. STL.	FACE OF STEEL FACE OF WALL	T.O. CONC	
F.O. WALL FLR.	FLOOR	T.O. FTG T.O. JST	TOP OF FOOTING TOP OF JOIST
	FOUNDATION	T.O. SLAB	TOP OF JOIST
FDN. FTG.	FOUNDATION	T.O. SLAB	TOP OF SLAB
HS	HEADED STUD	T.O. STL	TOP OF WALL
нз НК.	HOOK	THK.	
HORIZ.	HORIZONTAL	THRU	THROUGH
TYP	TYPICAL	W/O	WITHOUT
111			

		CAS	T-IN-PLAC	E CONCRET	E MIX SCF	IEDULE				
APPLICATION	EXPOSURE CLASS	STRENGTH (PSI)	TYPE	W/C RATIO	SLUMP	AIR CONTENT	MAX AGGREGATE	MAX CONCRETE WEIGHT (PCF)	FIBER	
SLAB ON GRADE / PEDESTALS	F0, S0, P0, CO	4,000	NORMAL WT.	0.45 (40% ASH)	3" TO 5"		3/4"		NO	
SHALLOW FOUNDATIONS	F0, S0, P0, CO	3,000	NORMAL WT.	0.50 (40% ASH)	4" TO 6"		3/4"		NO	

EXPOSURE CLASS FOR FREEZE/THAW, SULFATES, PERMEABILITY, AND CORROSION ARE PER ACI 318, SECTION 4.2.

WHERE NO W/C RATIO, SLUMP, OR AIR CONTENT IS NOTED, VALUES SHALL BE AS RECOMMENDED BY THE READY MIX SUPPLIERS ENGINEER. 2. WHERE AIR ENTRAINMENT IS NOT REQUIRED PER THE ABOVE TABLE, THE CONTRACTOR, INSTALLER, OR SUPPLIER MAY CHOOSE TO INCLUDE AIR ENTRAINMENT TO IMPROVE 3. PLACEMENT AND FINISHING CHARACTERISTICS. AIR ENTRAINMENT IS NOT PERMITTED IN NORMAL WEIGHT CONCRETE TO RECEIVE A HARD TROWEL FINISH, AND ENTRAPPED AIR SHALL NOT EXCEED 3%. AIR ENTRIANMENT IN LIGHT WEIGHT CONCRETE SLABS IS REQUIRED TO MEET FIRE RATING REQUIREMENTS. SLABS SHALL BE PROPERLY FINISHED TO AVOID SURFACE IMPERFECTIONS SUCH AS BLISTERING OR DELAMINATION. 4.

CEMENT AND AGGREGATES SHALL BE FROM A SINGLE SOURCE.

CIP CONCRETE CLEAR COVER SCHEDULE

LOCATION	COVER mm (IN)
CONCRETE CAST AGAINST & EXPOSED TO EARTH	76 (3")
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 TO #18 BARS	51 (2")
#5, W31, AND SMALLER BARS	38 (1 1/2")
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
SLABS, WALLS, AND JOISTS	
#14 AND #18 BARS	38 (1 1/2")
#11 AND SMALLER BARS	19 (3/4")
BEAMS AND COLUMNS	38 (1 1/2")
FOOTINGS, GRADE BEAMS, AND PILE CAPS	51 (2") TOP 76 (3") BOTT. & SIDES
DRILLED PIERS AND BELLED PIERS	76 (3") CLEAR OF TIES
PEDESTALS AND COLUMNS	38 (1 1/2") CLEAR OF TIES
BASEMENT WALLS	51 (2") EXT. & 19 (3/4") INT.
RETAINING WALLS	51 (2") BOTH FACES
SUMP AND PIT WALLS	51 (2") BOTH FACES
ELEVATED SLABS NOT EXPOSED TO WEATHER	19 (3/4") TOP & BOTT.
POST TENSIONED SLABS EXPOSED TO WEATHER	25 (1") TOP & BOTT.
ELEVATED SLABS EXPOSED TO WEATHER:	
#5 AND SMALLER BARS	38 (1 1/2") TOP & 19 (3/4") BOTT.
#6 AND GREATER BARS	51 (2") TOP & 19 (3/4") BOTT.
WELDED WIRE REINFORCEMENT:	
5" OR LESS SLAB THICKNESS	CENTER
6" OR GREATER SLAB THICKNESS	51 (2") FROM TOP
SLAB ON WELL GRADED SUBGRADE OR VAPOR BARRIERS	19 (3/4") TOP 38 (1 1/2") BOTT.
BEAMS	38 (1 1/2") CLEAR OF STIRRUPS
JOISTS	38 (1 1/2") ALL SIDES
WIDE MODULE JOISTS	19 (3/4")

	CONCRETE TENSION SPLICE LAP LENGTHS											
		f'c = 30	000 PSI			f'c = 40	000 PSI		f'c = 5000 PSI			
BAR SIZE	TOP	BARS	OTHER	BARS	TOP	TOP BARS OTHER BARS		TOP BARS		OTHER BARS		
	А	В	A	В	А	В	A	В	А	В	A	В
#3	22	28	17	22	19	25	15	19	17	22	13	17
#4	29	38	22	29	25	33	19	25	23	29	17	23
#5	36	47	28	36	31	41	24	31	28	36	22	28
#6	54	56	33	43	37	49	29	37	34	44	26	34
#7	63	81	48	63	54	71	42	54	49	63	38	49
#8	72	93	55	72	62	81	48	62	56	72	43	56
#9	81	105	62	81	70	91	54	70	63	81	48	63
#10	91	118	70	91	79	102	61	79	71	92	54	71
#11	101	131	78	101	87	114	67	87	78	102	60	78

ALL LENGTHS ARE IN INCHES. 1

BAR COVER AND TRANSVERSE REINFORCEMENT SHALL MEET CODE MINUMUM. 2. 3.

LAP SPLICING OF #14 & #18 BARS IS NOT ALLOWED. LAP LENGTHS ARE FOR NORMAL WEIGHT CONCRETE WITH UNCOATED, 60 KSI BARS. 4 WHEN LAPPING BARS OF DIFFERENT SIZES USE THE SPLICE LAP LENGTH OF THE 5. SMALLER BAR, OR THE DEVELOPMENT LENGTH OF THE LARGER BAR, WHICHEVER IS GREATER. THE "A" VALUE FROM THE TABLE IS EQUAL TO THE BAR DEVELOPMENT LENGTH.

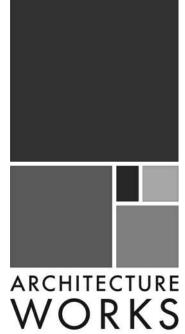
TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE 6 CAST BELOW THE REINFORCEMENT.

	Interesting and the second second	INSPECTIONS
SPECIAL CASES (IBC 1705.1.1)		
ITEM	FREQUENCY	INSTRUCTIONS / COMMENTS
NSPECT WORK THAT IS DEEMED UNUSUAL" BY THE BUILDING OFFICIAL.	CONTINUOUS	AS DEFINED BY THE BUILDING OFFICI. OR REGISTERED DESIGN PROFESSIONAL.
OILS CONSTRUCTION (IBC 1705.6)		FROFESSIONAL.
	FREQUENCY	EXTENT / COMMENTS
	PERIODIC	AS RECOMMENDED IN APPROVED SO
OUNDATIONS ARE ADEQUATE TO	FERIODIC	REPORT AND CONTAINED IN THE
CHIEVE THE DESIGN BEARING		CONSTRUCTION DOCUMENTS.
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	
ERIFY CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION DF COMPACTED FILL.	CONTINUOUS	
DESERVE SUBGRADE AND VERIFY THAT DESERVE SUBGRADE AND VERIFY THAT DITE HAS BEEN PREPARED PROPERLY PRIOR TO PLACEMENT OF COMPACTED FILL.	PERIODIC	
CONCRETE CONSTRUCTION (IBC 1705.3)		
ITEM	FREQUENCY	EXTENT / COMMENTS
SPREAD FOOTING ARE EXCEPTED FROM NSPECTIONS, BUT NOT MATERIALS ESTING.		
CONTINUOUS FOOTINGS ARE EXCEPTED FROM INSPECTIONS, BUT NOT MATERIALS TESTING.		
SLABS ON GRADE ARE EXCEPTED FROM NSPECTIONS, BUT NOT MATERIALS ESTING.		
CONCRETE FOUNDATION WALLS ARE EXCEPTED FROM INSPECTIONS, BUT NOT MATERIALS TESTING.	°	
NSPECT ANCHORS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING	PERIODIC	
PLACEMENT OF CONCRETE.	PERIORIO	
NSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE.	PERIODIC	INSPECT ACCORDING TO RESEARCH REPORT FOR THE ANCHOR ISSUED.
/ERIFY THAT CORRECT CONCRETE	PERIODIC	FOR EACH POUR.
DESIGN MIX IS BEING USED.	I ENODIO	
AT THE TIME CONCRETE IS SAMPLED OR STRENGTH TESTS, TEST CONCRETE FOR SLUMP, AIR CONTENT,	CONTINUOUS	DURING PLACEMENT OPERATIONS. REFERENCE CONCRETE SPECIFICATIONS FOR SPECIFIC TEST
AND TEMPERATURE.		AND FREQUENCIES.
NSPECT CONCRETE/SHOTCRETE PLACEMENT AND PLACEMENT METHODS EXCEPT AS NOTED ABOVE.	CONTINUOUS	
NSPECT ALL CONCRETE CURING OPERATIONS.	PERIODIC	MONITOR DURING HOT, COLD AND WINDY CONDITIONS. REFERENCE CONCRETE SPECIFICATIONS.
AEASURE FLOOR AND SLAB FLATNESS AND LEVELNESS ACCORDING TO ASTM 1155.	PERIODIC	FOR EACH POUR. DO NOT SUBMIT REPORTS TO BUILDING OFFICIAL.
STRUCTURAL STEEL CONSTRUCTION (IBC	; 1705.2.1)	<u></u>
ITEM	FREQUENCY	EXTENT / COMMENTS
NSPECT ANCHOR RODS AND OTHER EMBEDMENTS. VERIFY DIAMETER,	PERIODIC	APPLIES TO EMBEDDED POST/COLUN CONNECTIONS.
GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM AND THE EXTENT OF DEPTH OF EMBEDMENT		
VOOD CONSTRUCTION (IBC 1705.5)	FREQUENCY	EXTENT / COMMENTS
NSPECT SITE-BUILT ASSEMBLIES NCLUDING SITE BUILT TRUSSES. NSPECT ERECTED TRUSSES INCLUDING BRIDGING AND ATTACHMENTS.	PERIODIC	
	NOTES	
NOTE: THE INSPECTION AND TESTING AGE OWNER'S AGENT AND NOT BY THE CONTR	ENT(S) SHALL BE RACTOR OR SUBC	



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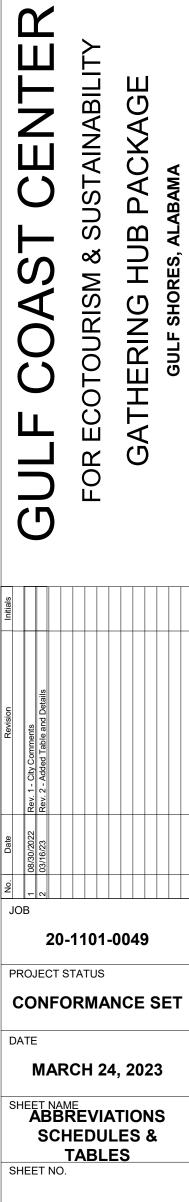


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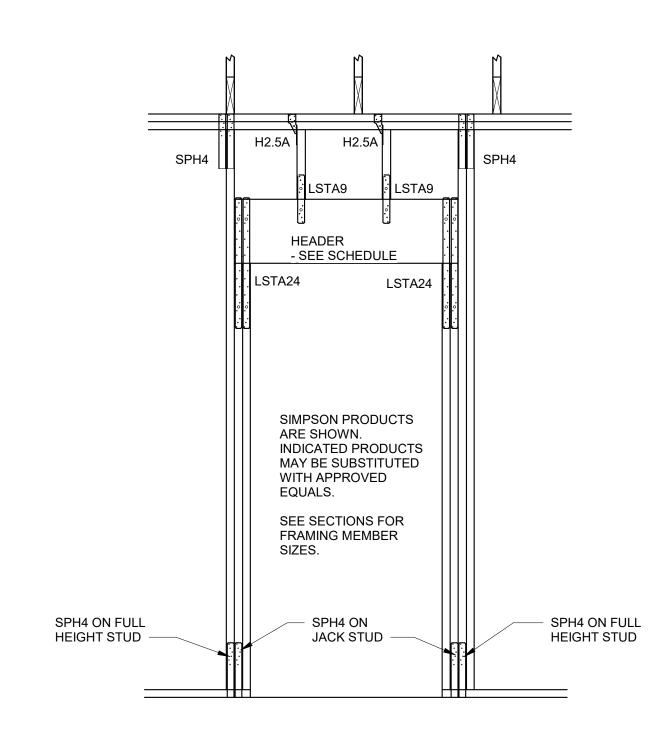
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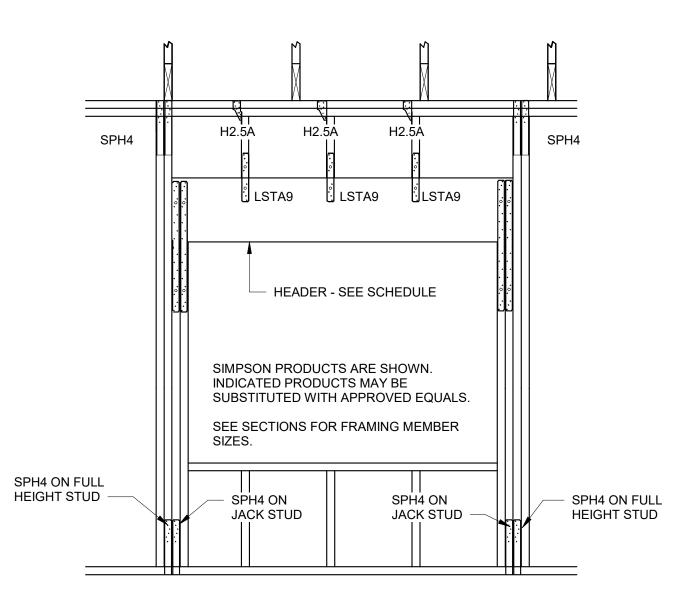




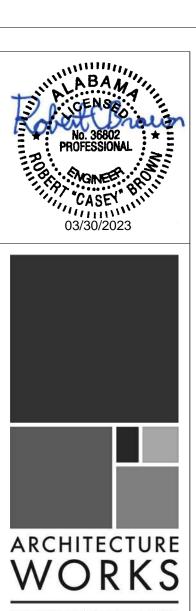
NAIL	FASTENING SCHEDULE							
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENERS	SPACING AND LOCATION	DESCRIPTION OF	F BUILDING ELEMENT	S NUMBER AND TYPE OF FASTENERS FLOOR	SPACING	AND LOCATION	
BLOCKING BETWEEN CEILING JOISTS, RAFTERS, OR TRUSSES TO TOP PLATE OR OTHER FRAMING	3-8D COMMON (2 1/2"X0.131"); OR 3-10D BOX (3"X0.128"); OR 3-3"X0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	EACH END, TOENAIL	JOIST TO SILL, TOP PL/	ATE, OR GIRDER	3-8D COMMON (2 1/2"X0.131"); OR 3-10D BOX (3"X0.128"); OR 3-3"X0.131 NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL		
BLOCKING BETWEEN RAFTERS OR TRUSSES NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	2-8D COMMON (2 1/2"X0.131") 2-3"X0.131" NAILS 3-3" 14 GAGE STAPLES	EACH END, TOENAIL	RIM JOIST, BAND JOIST PLATE, SILL, OR OTHEF		DP 8D COMMON (2 1/2"X0.131"); OR 10D BOX (3"X0.128"); OR 3"X0.131 NAILS; OR 3" 14 GAGE STAPLES. 7/16" CROWN	6" O.C., TC	DENAIL	
	2-16D COMMON (3 1/2"X0.162") AT 6" O.C. 3-3"X0.131" NAILS 3-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL	1"X6" SUBFLOOR OR LE	ESS TO EACH JOIST	2-8D COMMON (2 1/2"X0.131"); OR 2-10D BOX (3"X0.128")			
FLAT BLOCKING TO TRUSS AND WEB FILLER	16D COMMON (2 1/2"X0.131") AT 6" O.C.	FACE NAIL	2" SUBFLOOR TO JOIST	T OR GIRDER	2- 16D COMMON (3 1/2"X0.162")	FACE NAIL	-	
CEILING JOISTS TO TOP PLATE	3-8D COMMON (2 1/2"X0.131"); OR 3-10D BOX (3"X0.128"); OR 3-3"X0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	EACH JOIST, TOENAIL	2" PLANKS (PLANK AND BUILT-UP GIRDERS AN LAYERS		, , , , , , , , , , , , , , , , , , , ,	32" O.C., F	RING, FACE NAIL ACE NAIL AT TOP A STAGGERED ON	
CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS (NO THRUST) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	3-16D COMMON (2 1/2"X0.131"); OR 4-10D BOX (3"X0.128"); OR 4-3"X0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL			10D BOX (3"X0.128"); OR 3"X0.131" NAILS; OR 3" 14 GAGE STAPLES, 7/16" CROWN		ACE NAIL AT TOP AI	
CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	PER TABLE 2308.7.3.1	FACE NAIL			AND 2-20D COMMON (4"X0.192"); OR 3-10D BOX (3"X0.128"); OR 3-3"X0.131" NAILS; OR	ENDS AND FACE NAIL) AT EACH SPLICE, -	
COLLAR TIE TO RAFTER	3-10D COMMON (3"X0.148"); OR 4-10D BOX (3"X0.128"); OR 4-3"X0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL	LEDGER STRIP SUPPO	RTING JOISTS OR RAF	4-10D BOX (3"X0.128"); OR 4-3"X0.131" NAILS; OR	"); OR EACH JOIST OR RAFTER, FACE NAIL		
RAFTER OR ROOF TRUSS TO TOP PLATE (SEE SECTION 2308.7.5, TABLE 1308.7.5)	3-10D COMMON (3"X0.148"); OR 3-16D COMMON (2 1/2"X0.131"); OR 4-10D BOX (3"X0.128"); OR 4-3"X0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL	JOIST TO BAND JOIST	OR RIM JOIST	4-3" 14 GAGE STAPLES, 7/16" CROWN 3-16D COMMON (3 1/2"X0.162"); OR 4-10D BOX (3"X0.128"); OR 4-3"X0.131" NAILS; OR 4-3"X0.131" NAILS; OR	END NAIL	END NAIL	
ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2-INCH RIDGE BEAM	2-16D COMMON (3 1/2"X0.162"); OR 3-10D BOX (3"X0.128"); OR 3-3"X0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL	BRIDGING OR BLOCKIN TRUSS	IG TO JOIST, RAFTER,	2-10D BOX (3"X0.128"); OR 2-3"X0.131 NAILS; OR	EACH END	EACH END, TOENAIL	
	3-10D COMMON (3"X0.148"); OR 4-16D BOX (3 1/2"X0.135"); OR 4-10D BOX (3"X0.128"); OR 4-3"X0.131 NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL	2-3" 14 GAGE STAPLES, 7/16" CROWN FOR USE WHEN A SPECIFIC CONNECTION IS NOT PROVIDED IN DETAILS AND SECTIONS.					
	WALL							
STUD TO STUD (NOT AT BRACED WALL PANELS)	16D COMMON (3 1/2"X0.162")	24" O.C. FACE NAIL						
	10D BOX (3"X0.128"); OR 4-3"X0.131 NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	16" O.C. FACE NAIL	HEADER	MAX SPAN	D HEADER TABLE DESCRIPTION	DETAIL	_	
STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16D COMMON (3 1/2"X0.162")	16" O.C. FACE NAIL	HD428	5'-0"	2X4 WALL WITH DOUBLE 2X8		_	
	16D BOX (3 1/2"X0.162")	12" O.C. FACE NAIL	110-120		BEAMS w/ 1/2" PLYWOOD SHIMS. NAIL TOGETHER w/ (2) 16D NAILS @12" OC.	MM		
	3"X0.131 NAILS; OR 3" 14 GUAGE STAPLES, 7/16" CROWN	12" O.C. FACE NAIL					_	
BUILT-UP HEADER (2" TO 2" HEADER)	16D COMMON (3 1/2"X0.162")	16" O.C. EACH EDGE, FACE NAIL	HD4212	8'-0"	2X4 WALL WITH DOUBLE 2X12 BEAMS w/ 1/2" PLYWOOD SHIMS. NAIL TOGETHER w/ (3) 16D NAILS	$\langle \rangle$		
	10D BOX (3"X0.128")	12" O.C. EACH EDGE, FACE NAIL			@12" OC.			
CONTINUOUS HEADER TO STUD TOP PLATE TO TOP PLATE	4-8D COMMON (2 1/2"X0.131"); OR 4-10D BOX (3"X0.128") 16D COMMON (3 1/2"X0.162")	16" O.C. FACE NAIL	HD628	6'-6"	2X6 WALL WITH TRIPLE 2X8 BEAMS w/ 1/2" PLYWOOD SHIMS. NAIL TOGETHER w/ (2) 16D NAILS @12" OC.			
	10D BOX (3"X0.128"); OR 4-3"X0.131 NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	12" O.C. FACE NAIL						
TOP PLATE TO TOP PLATE, AT END JOINTS	8-16D COMMON (3 1/2"X0.162"); OR 12-10D BOX (3"X0.128"); OR 12-3"X0.131" NAILS; OR 12-3" 14 GAGE STAPLES, 7/16" CROWN	EACH SIDE OF END JOINT, FACE NAIL (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)	BE NA		2X6 WALL WITH TRIPLE 2X12 BEAMS w/ 1/2" PLYWOOD SHIMS. NAIL TOGETHER w/ (3) 16D NAILS @12" OC.		-	
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16D COMMON (3 1/2"X0.162")	16" O.C. FACE NAIL				V W V	_	
OR BLOCKING (NOT AT BRACED WALL FANELS)	16D BOX (3 1/2"X0.135"); OR 3"X0.131 NAILS; OR 3" 14 GAGE STAPLES, 7/16" CROWN	12" O.C. FACE NAIL	HD628i	5'-6"	2X6 WALL WITH DOUBLE 2X8 HEADER BEAMS w/ 2X6 T&B PLATES. NAIL TOGETHER w/ 16D			
BOTTOM PLATE TO JOIST, RIM JIST, BAND JOIST OR BLOCKING AT BRACED WALL PANELS	2-16D COMMON (3 1/2"X0.162"); OR 3-16D BOX (3"X0.135"); OR 4-3"X0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	16" O.C. FACE NAIL	HD6212i	8'-6"	NAILS @6" OC. 2X6 WALL WITH DOUBLE 2X12			
STUD TO TOP OR BOTTOM PLATE	2-16D COMMON (3 1/2"X0.162"); OR 3-10D BOX (3"X0.128"); OR 3-3"X0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL	PL		HEADER BEAMS w/ 2X6 T&B PLATES. NAIL TOGETHER w/ 16D NAILS @6" OC.			
TOP PLATES, LAPS AT CORNERS, AND INTERSECTIONS	2-16D COMMON (3 1/2"X0.162"); OR 3-10D BOX (3"X0.128"); OR 3-3"X0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL	HD6212hs	12'-0"	2X6 WALL WITH TRIPLE 2X12 HEADER BEAMS w/ 2X6 T&B PLATES. NAIL TOGETHER w/ (3)		-	
1" BRACE TO EACH STUD AND PLATE	2-8D COMMON (2 1/2"X0.131"); OR 2-10D BOX (3"X0.128"); OR 2-3"X0.131" NAILS; OR 2-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL			16D NAILS @12" OC SIDES, & 16D NAILS @6" OC T&B.			
1"X6" SHEATHING TO EACH BEARING	2-8D COMMON (2 1/2"X0.131"); OR 2-10D BOX (3"X0.128")	FACE NAIL						
1"X8" AND WIDER SHEATHING TO EACH BEARING	3-8D COMMON (2 1/2"X0.131"); OR 3-10D BOX (3"X0.128")	FACE NAIL						









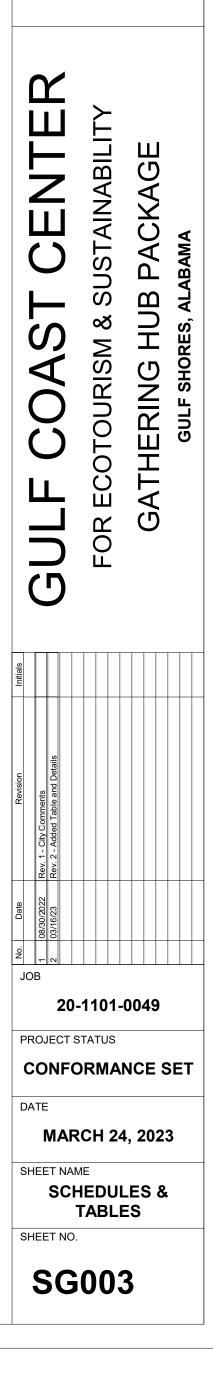




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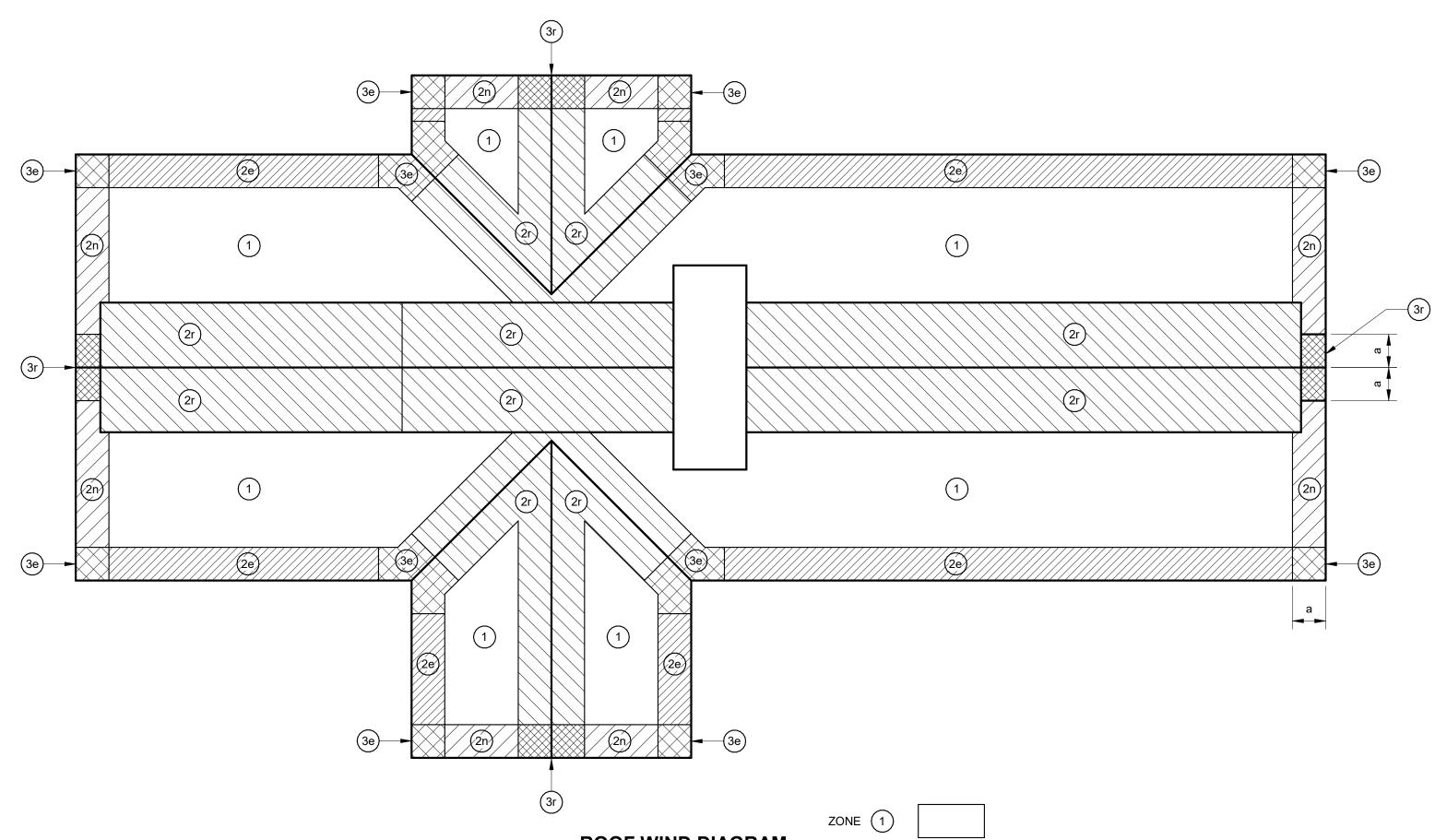
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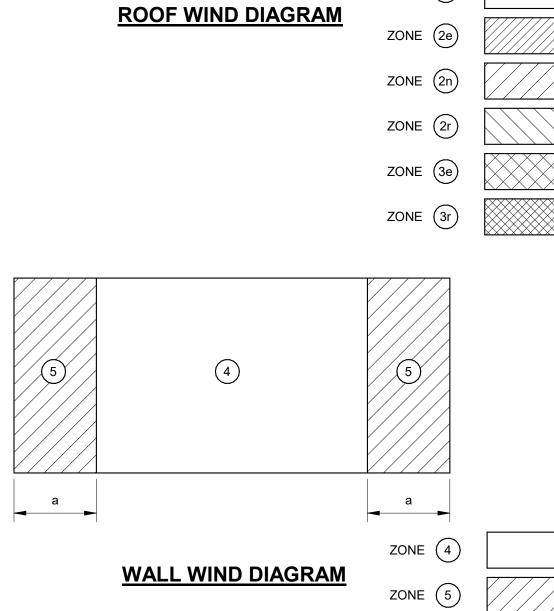
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TYPICAL DOOR OPENING HOLD-DOWN

TYPICAL WINDOW OPENING HOLD-DOWN





C&C Pressures Table												
			ULTIMATE	ULTIMATE	ALLOWABLE	ALLOWABLE	OH ULT.	OH ULT.				
LOCATION	ZONE	AREA	+P	-P	+P	-P	+P	-P				
DOOL	4	10	52.0	00.0	22.2	50.0	400 F	02.4				
ROOF	1	10	53.8	-98.6	32.3	-59.2	-138.5	-83.1				
ROOF	1	20	48.8	-83.7	29.3	-50.2	-123.5	-74.1				
ROOF	1	50	39.4	-63.8	23.6	-38.3	-103.6	-62.2				
ROOF	1	100	33.9	-48.8	20.3	-29.3	-88.7	-53.2				
ROOF	1	200	33.9	-48.8	20.3	-29.3	-88.7	-53.2				
ROOF	1	500	33.9	-48.8	20.3	-29.3	-88.7	-53.2				
ROOF	2e	10	53.8	-98.6	32.3	-59.2	-138.5	-83.1				
ROOF	2e	20	48.8	-83.7	29.3	-50.2	-123.5	-74.1				
ROOF	2e	50	39.4	-63.8	23.6	-38.3	-103.6	-62.2				
ROOF	2e	100	33.9	-48.8	20.3	-29.3	-88.7	-53.2				
ROOF	2e	200	33.9	-48.8	20.3	-29.3	-88.7	-53.2				
ROOF	2e	500	33.9	-48.8	20.3	-29.3	-88.7	-53.2				
ROOF	2r	10	53.8	-98.6	32.3	-59.2	-138.5	-83.1				
ROOF	2r	20	48.8	-83.7	29.3	-50.2	-123.5	-74.1				
ROOF	2r	50	39.4	-63.8	23.6	-38.3	-103.6	-62.2				
ROOF	2r	100	33.9	-48.8	20.3	-29.3	-88.7	-53.2				
ROOF	2r	200	33.9	-48.8	20.3	-29.3	-88.7	-53.2				
ROOF	2r	500	33.9	-48.8	20.3	-29.3	-88.7	-53.2				
WALL	2n	10	53.8	-108.6	32.3	-65.2	-148.4	-89.0				
WALL	2n	20	48.8	-97.6	29.3	-58.6	-138.0	-82.8				
WALL	2n	50	39.4	-81.7	23.6	-49.0	-122.5	-73.5				
WALL	2n	100	33.9	-69.2	20.3	-41.5	-110.1	-66.1				
WALL	2n	200	33.9	-58.8	20.3	-35.3	-98.6	-59.2				
WALL	2n	500	33.9	-58.8	20.3	-35.3	-98.6	-59.2				
WALL	3e	1-2	53.8	-168.4	32.3	-101.0	-208.2	-124.9				
WALL	3e	10.0	53.8	-133.5	32.3	-80.1	-173.3	-104.0				
WALL	3e	20.0	48.8	-118.6	29.3	-71.2	-158.4	-95.0				
WALL	3e	50.0	39.4	-98.6	23.6	-59.2	-138.5	-83.1				
WALL	3e	100.0	33.9	-83.7	20.3	-50.2	-123.5	-74.1				
WALL	3e	200.0	33.9	-68.7	20.3	-41.2	-107.6	-64.6				
WALL	3e	300.0	33.9	-58.8	20.3	-35.3	-98.6	-59.2				
WALL	3e	500.0	33.9	-58.8	20.3	-35.3	-98.6	-59.2				
WALL	3r	10.0	53.8	-108.6	32.3	-65.2	-148.4	-89.0				
WALL	3r	20.0	48.8	-97.6	29.3	-58.6	-138.0	-82.8				
WALL	3r	50.0	39.4	-81.7	23.6	-49.0	-122.5	-73.5				
WALL	3r	100.0	33.9	-69.2	20.3	-41.5	-110.1	-66.1				
WALL	3r	200.0	33.9	-58.8	20.3	-35.3	-98.6	-59.2				
WALL	3r	500.0	33.9	-58.8	20.3	-35.3	-98.6	-59.2				
ROOF	4	10.0	58.8	-63.8	35.3	-38.3						
ROOF	4	20.0	54.8	-61.3	32.9	-36.8						
ROOF	4	50.0	50.8	-57.8	30.5	-34.7						
ROOF	4	100.0	49.3	-54.8	29.6	-32.9						
ROOF	4	200.0	47.8	-52.3	28.7	-31.4						
ROOF	4	500.0	43.8	-48.8	26.3	-29.3						
ROOF	5	10.0	58.8	-78.7	35.3	-47.2						
ROOF	5	20.0	54.8	-73.7	32.9	-44.2						
ROOF	5	50.0	50.8	-66.3	30.5	-39.8						
ROOF	5	100.0	49.3	-60.3	29.6	-36.2						
ROOF	5	200.0	47.8	-56.3	28.7	-33.8						
ROOF	5	500.0	43.8	-48.8	26.3	-29.3						

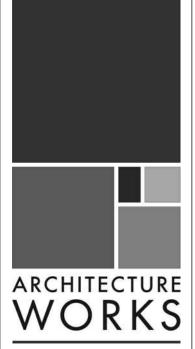
NOTES:

DESIGN BASED ON ASCE 7-16, SECTION 30. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
 ALLOWABLE WIND LOADS ARE 60% OF ULTIMATE WIND LOADS.
 PRESSURE CATEGORY, PARTIALLY ENCLOSED.
 WIDTH OF EDGE STRIP, "a" = 3'-2".



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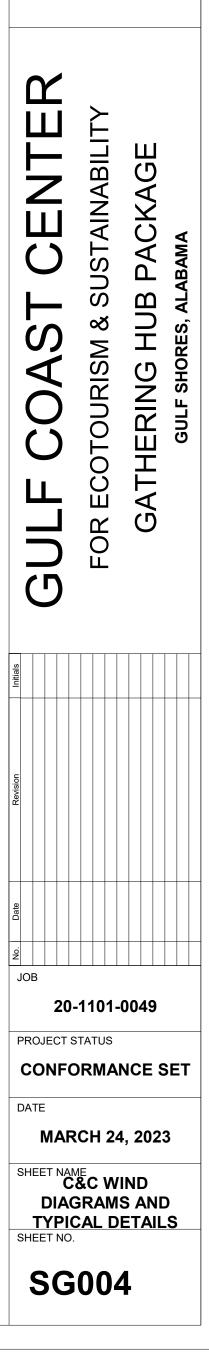


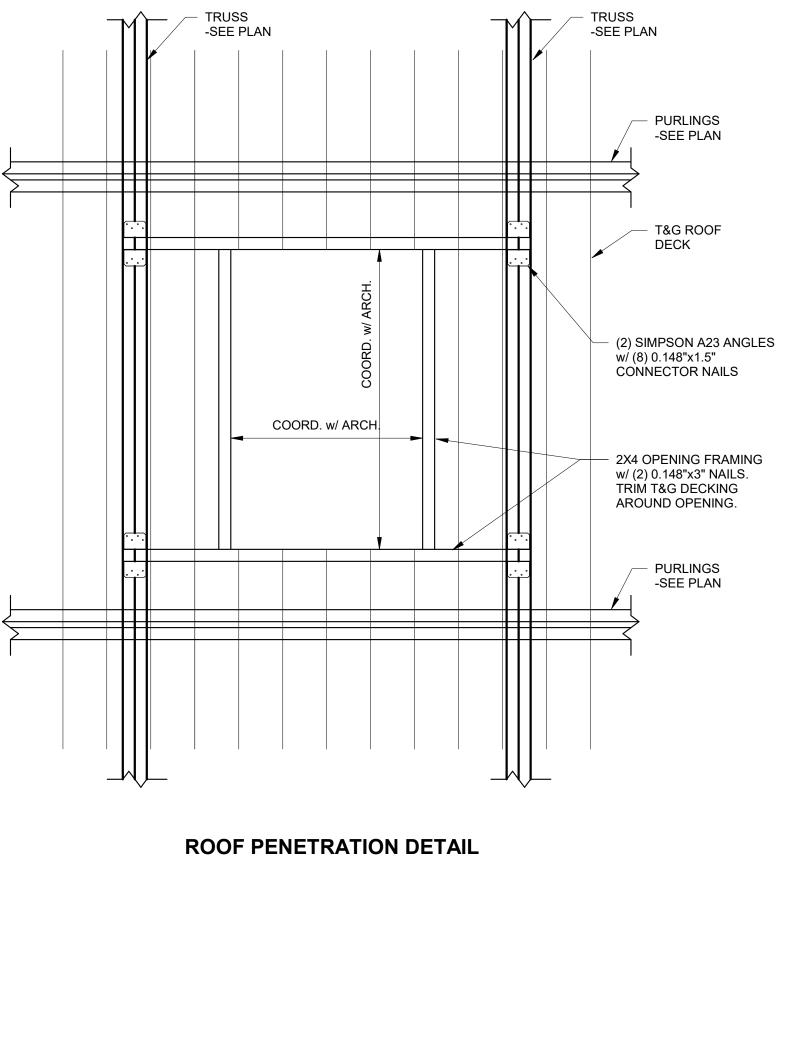
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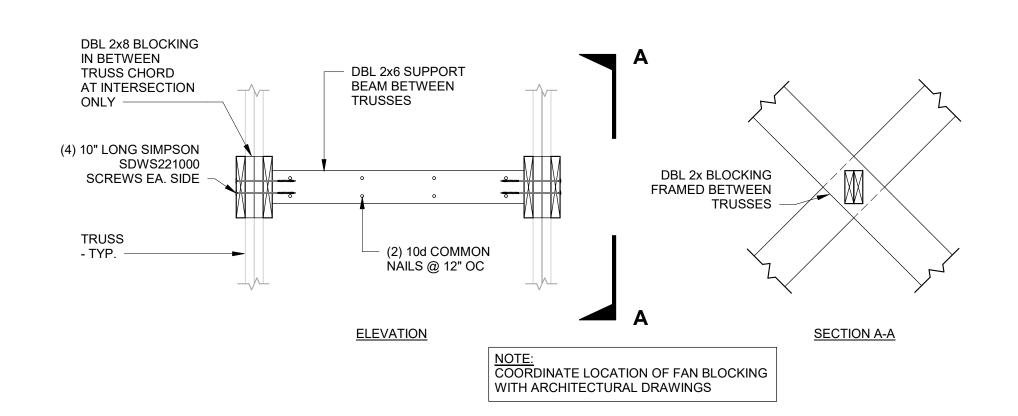
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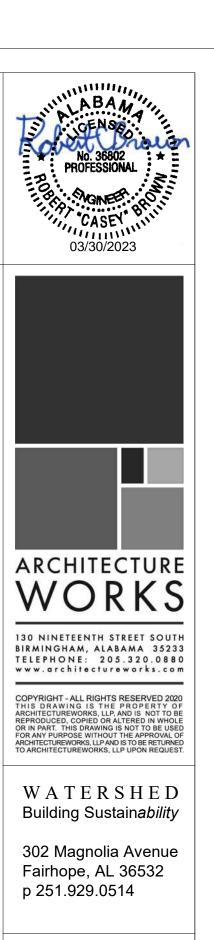




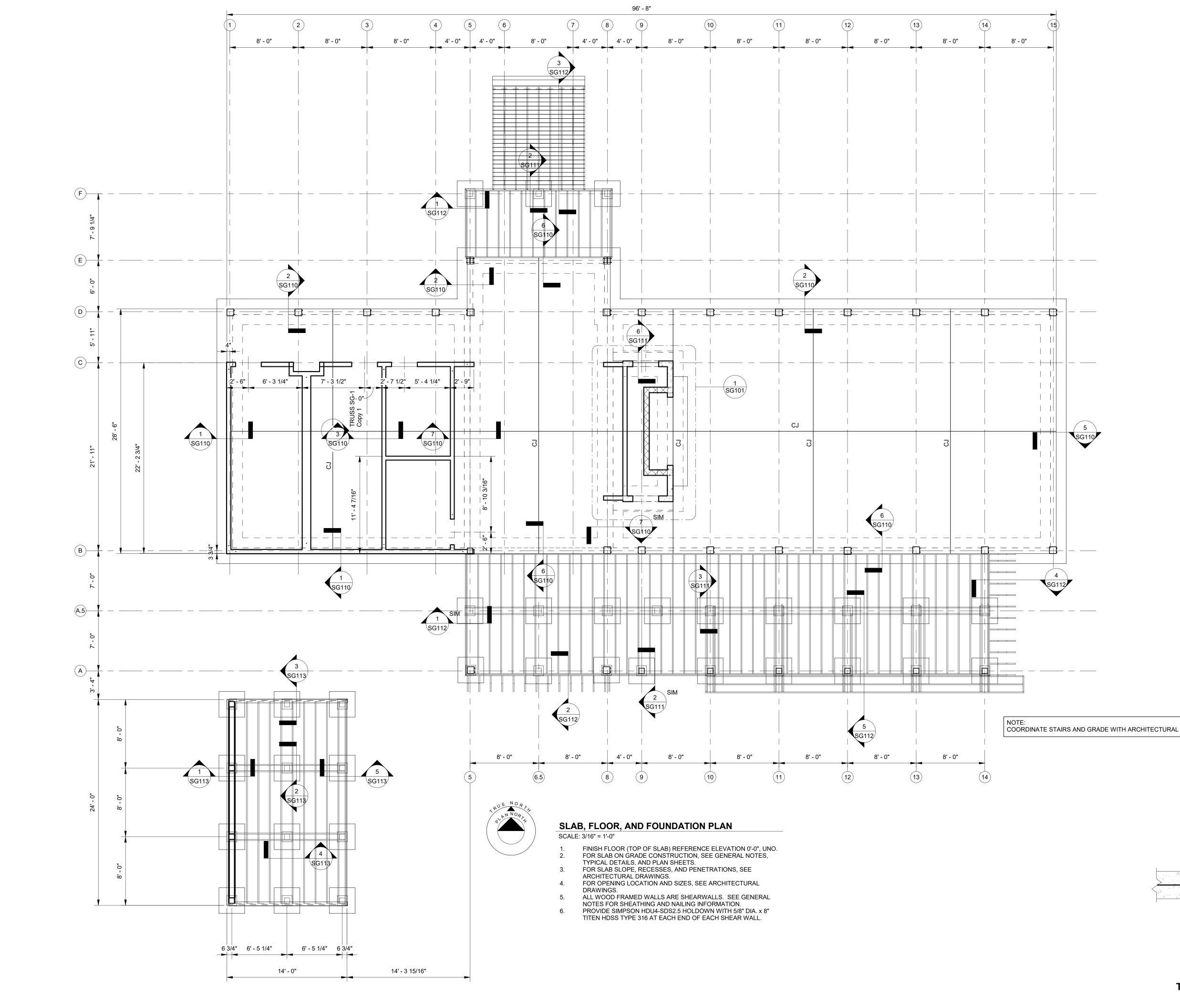
FAN SUPPORT BEAM DETAIL



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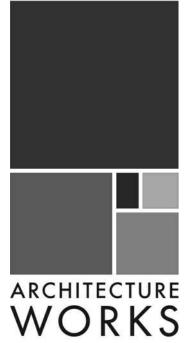


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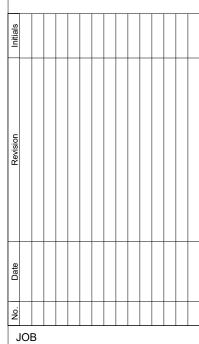
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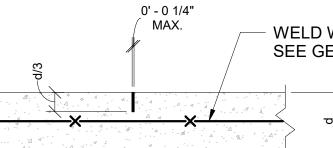
CONFORMANCE SET

DATE MARCH 24, 2023

SHEET NAME SLAB, FRAMING, AND FOUNDATION PLAN

SHEET NO.

SG100



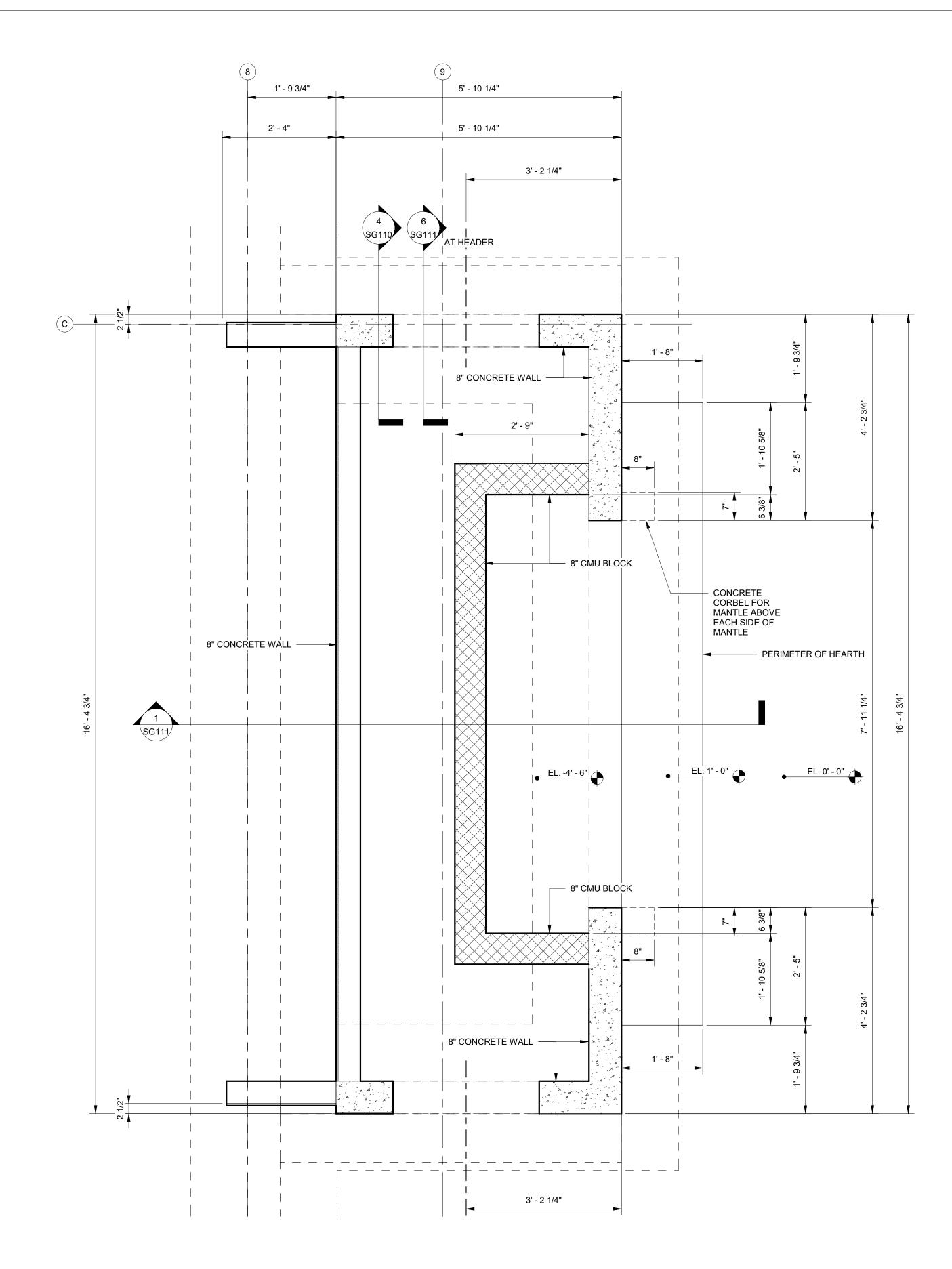
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WELD WIRE REINFORCING -SEE GENERAL NOTES

NOTE: SAWCUTTING SHALL BE PERFORMED 4 TO 12 HOURS AFTER PLACING CONCRETE, FILL JOINT WHEN WIDTH EXCEEDS 1/8"

SLAB ON GRADE **TYPICAL CONTROL JOINT**



CHIMNEY FOUNDATION PLAN SCALE: 3/4" = 1'-0"

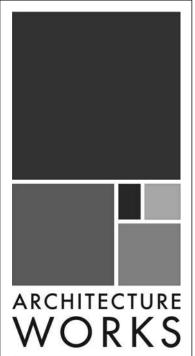
NOTES:

COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 COORDINATE OPENING WITH SUBMITTED FIREPLACE MODEL SIZE.



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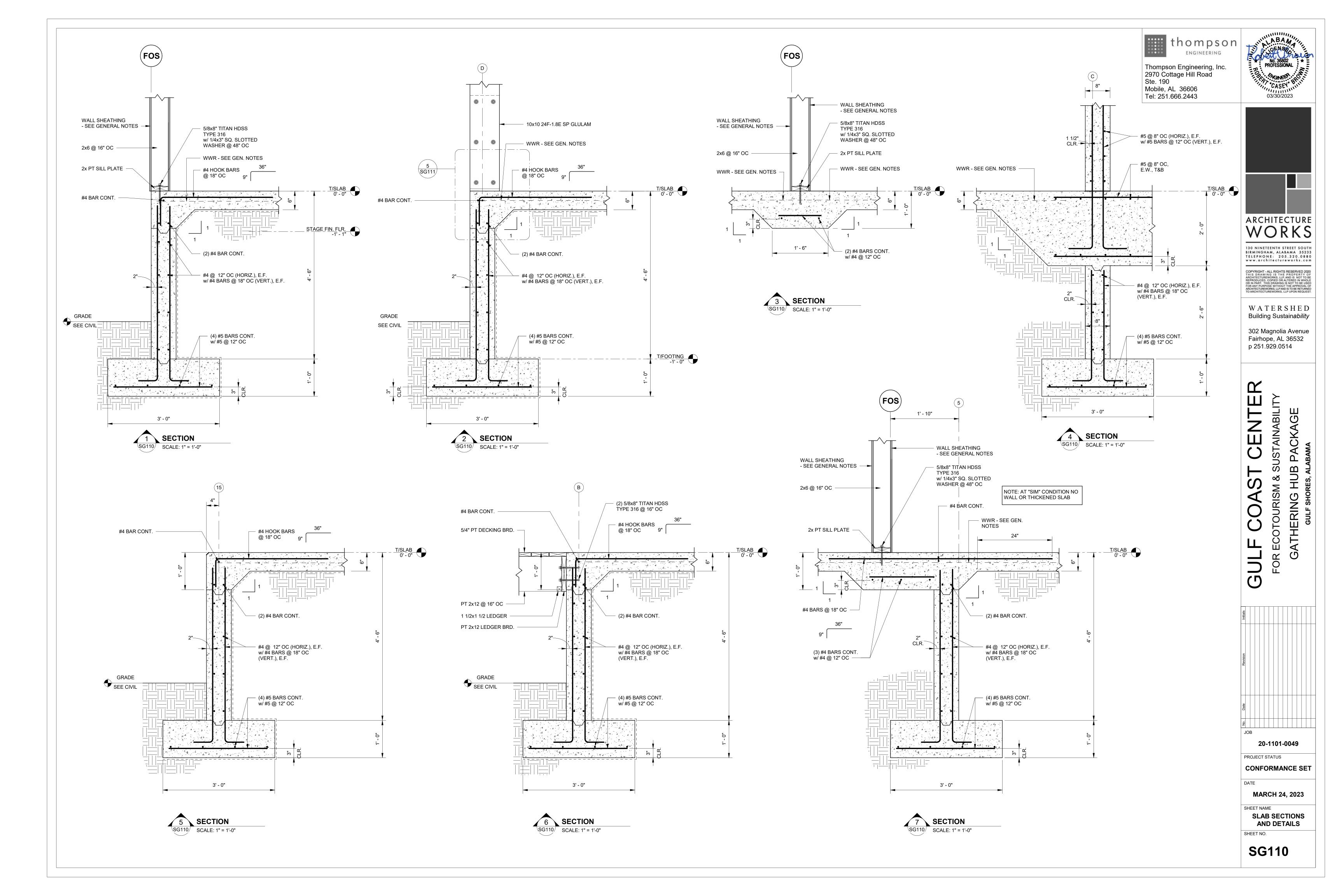
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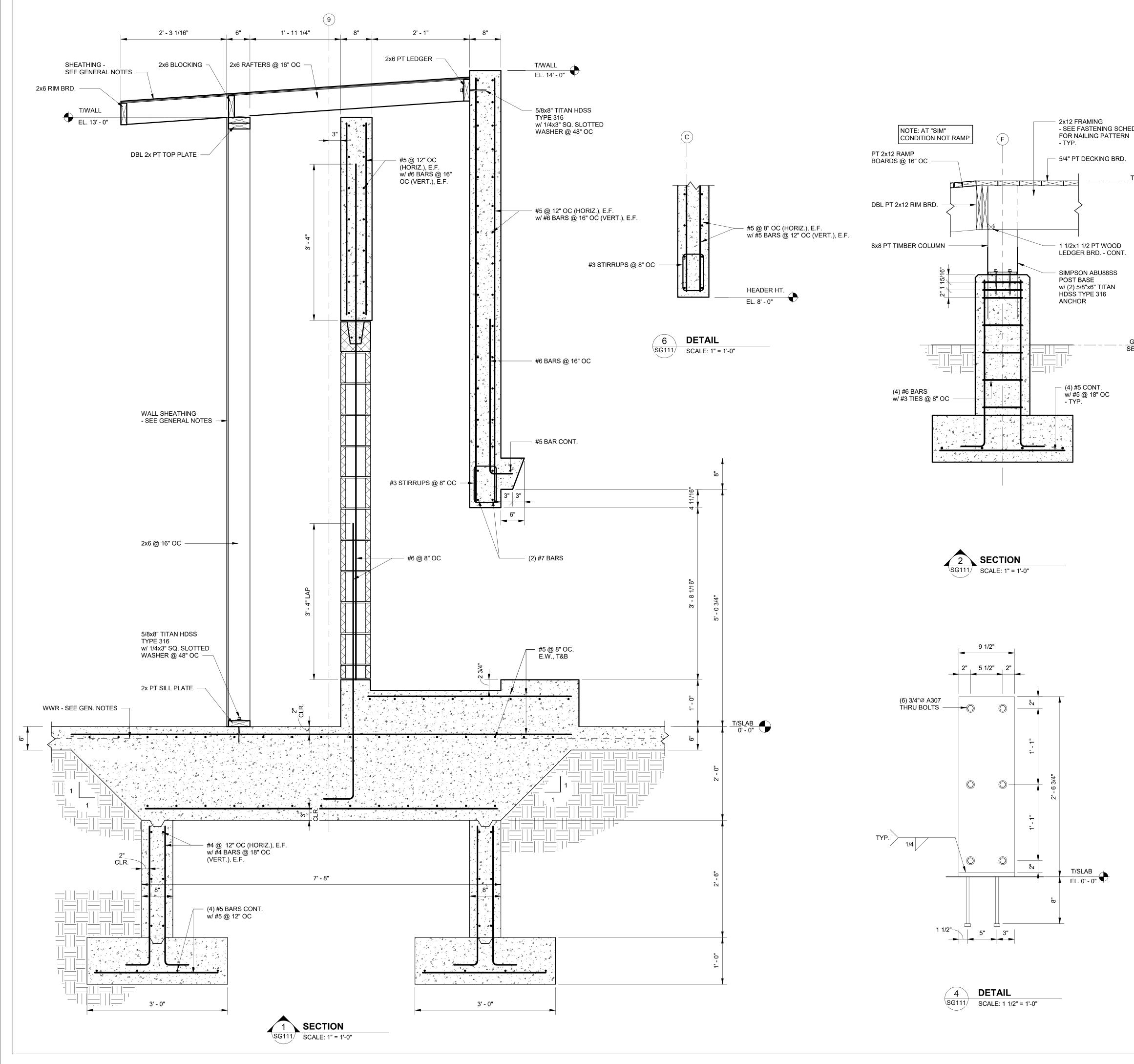
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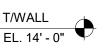
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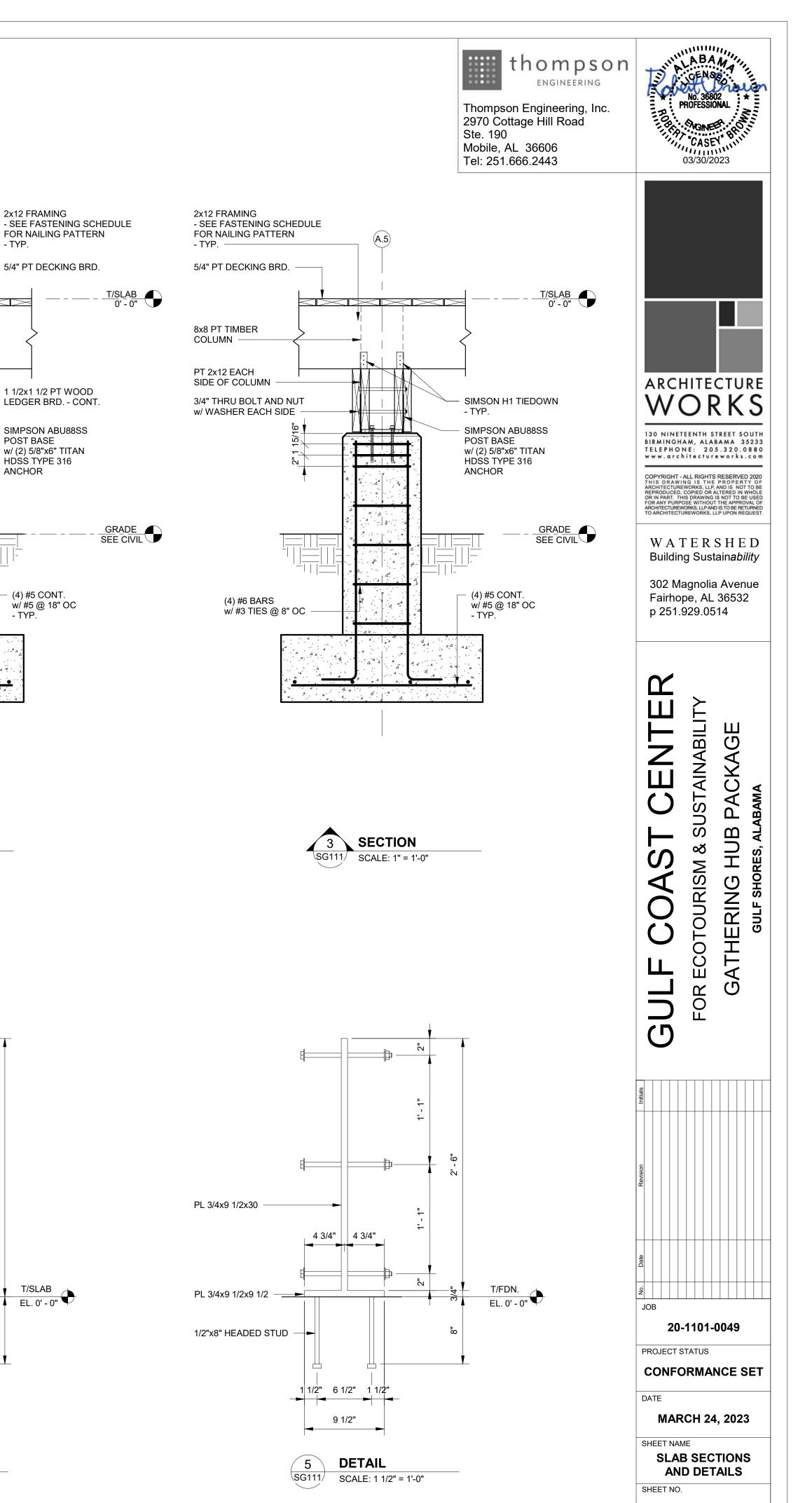
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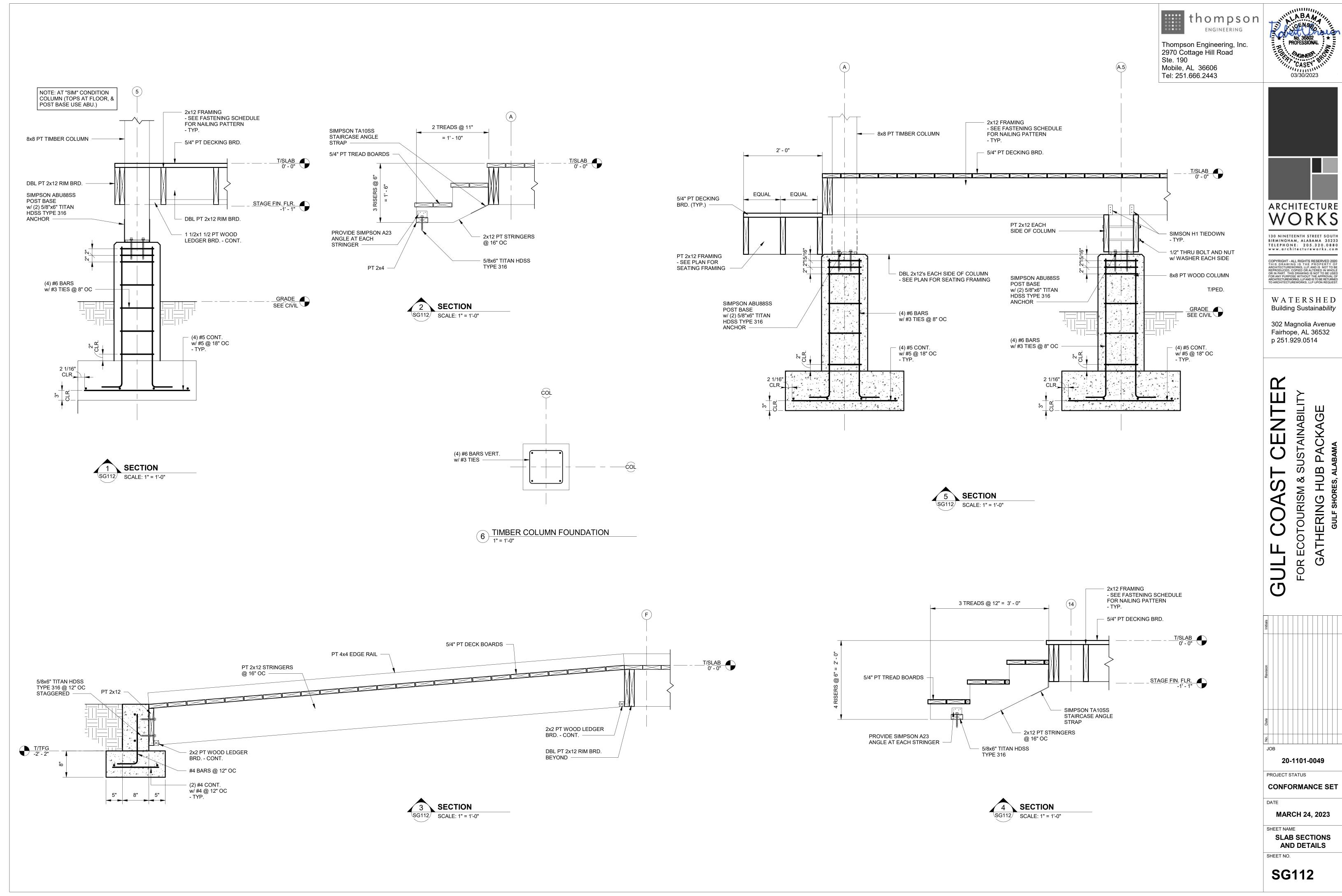


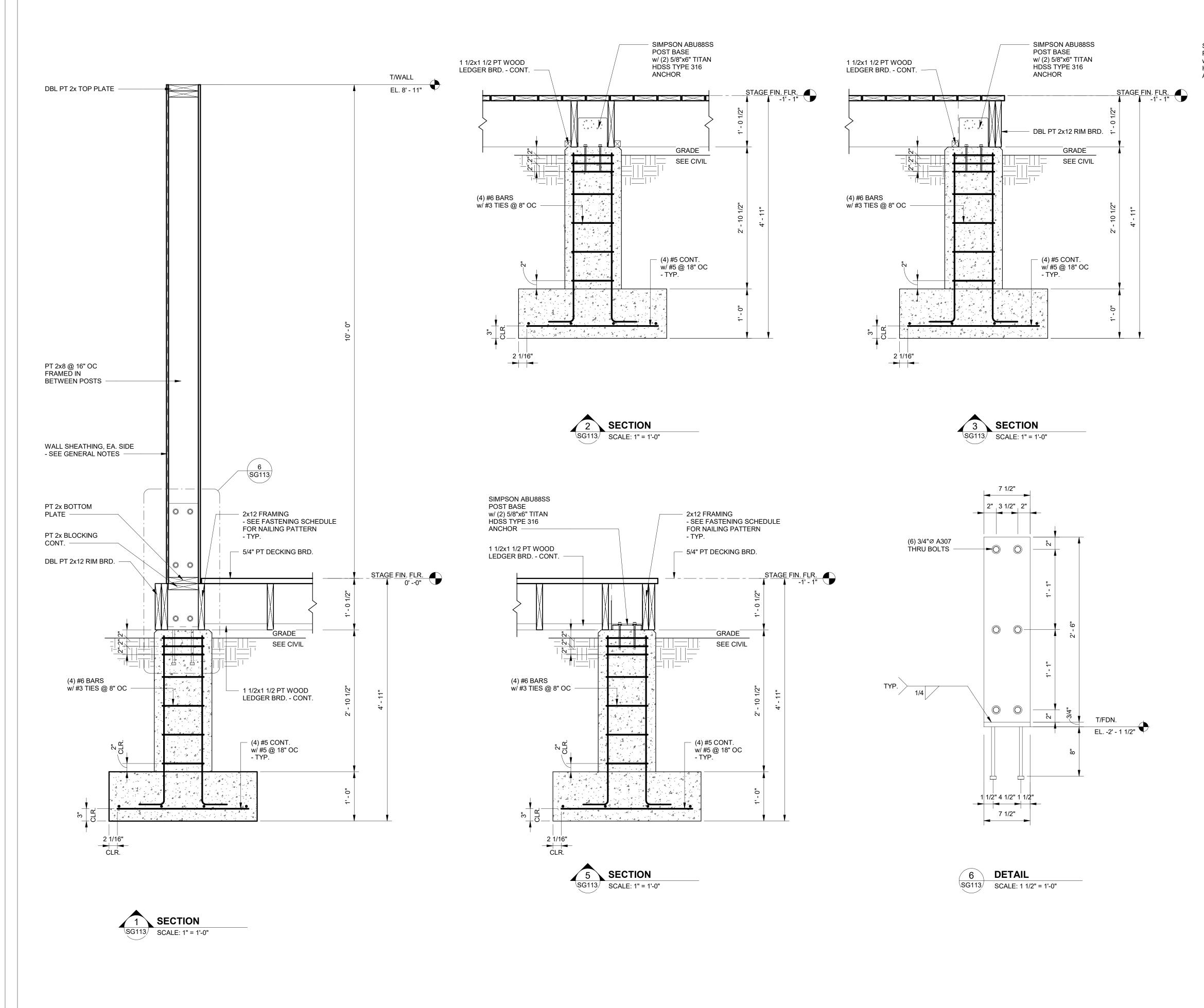


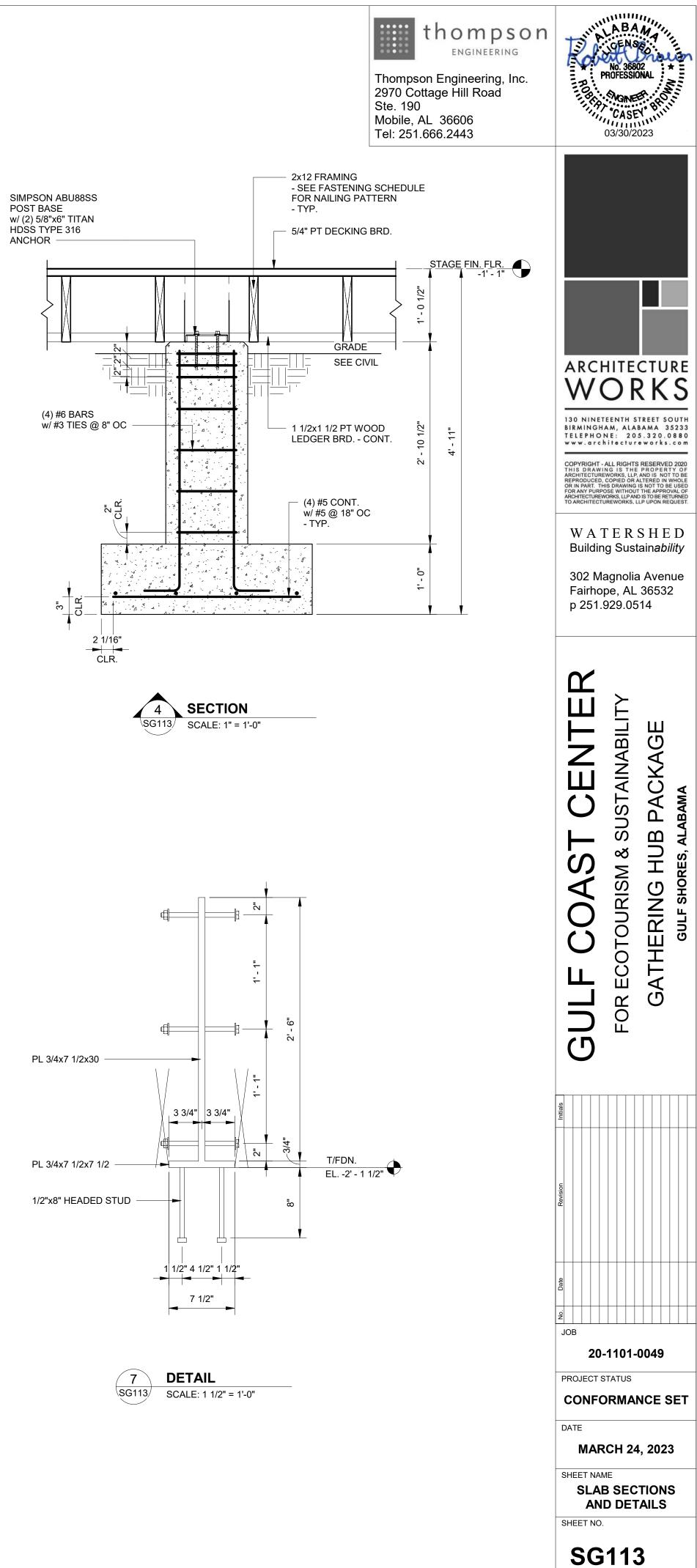


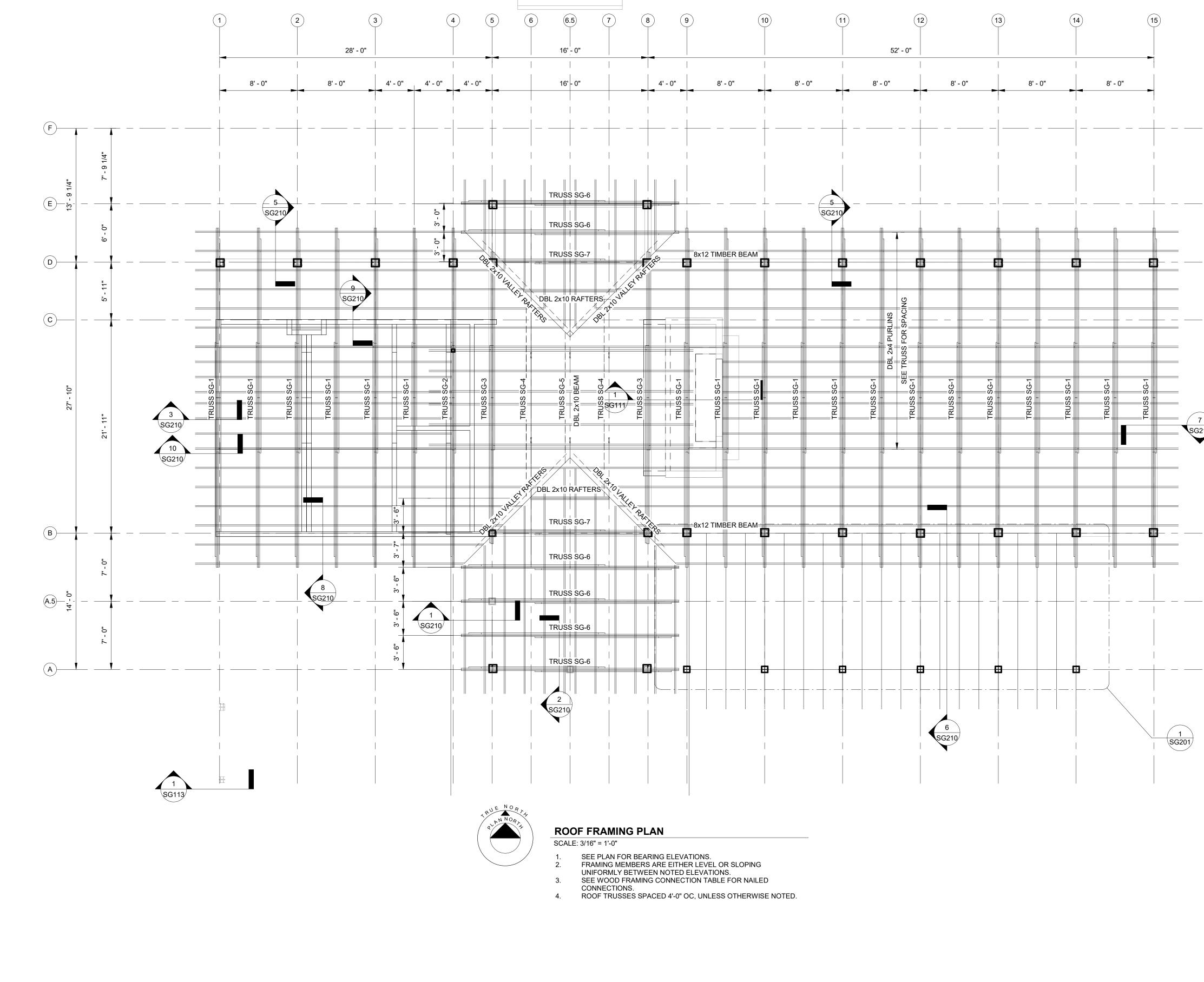


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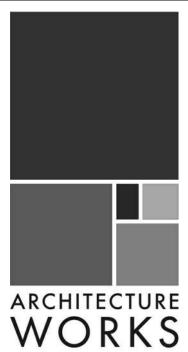


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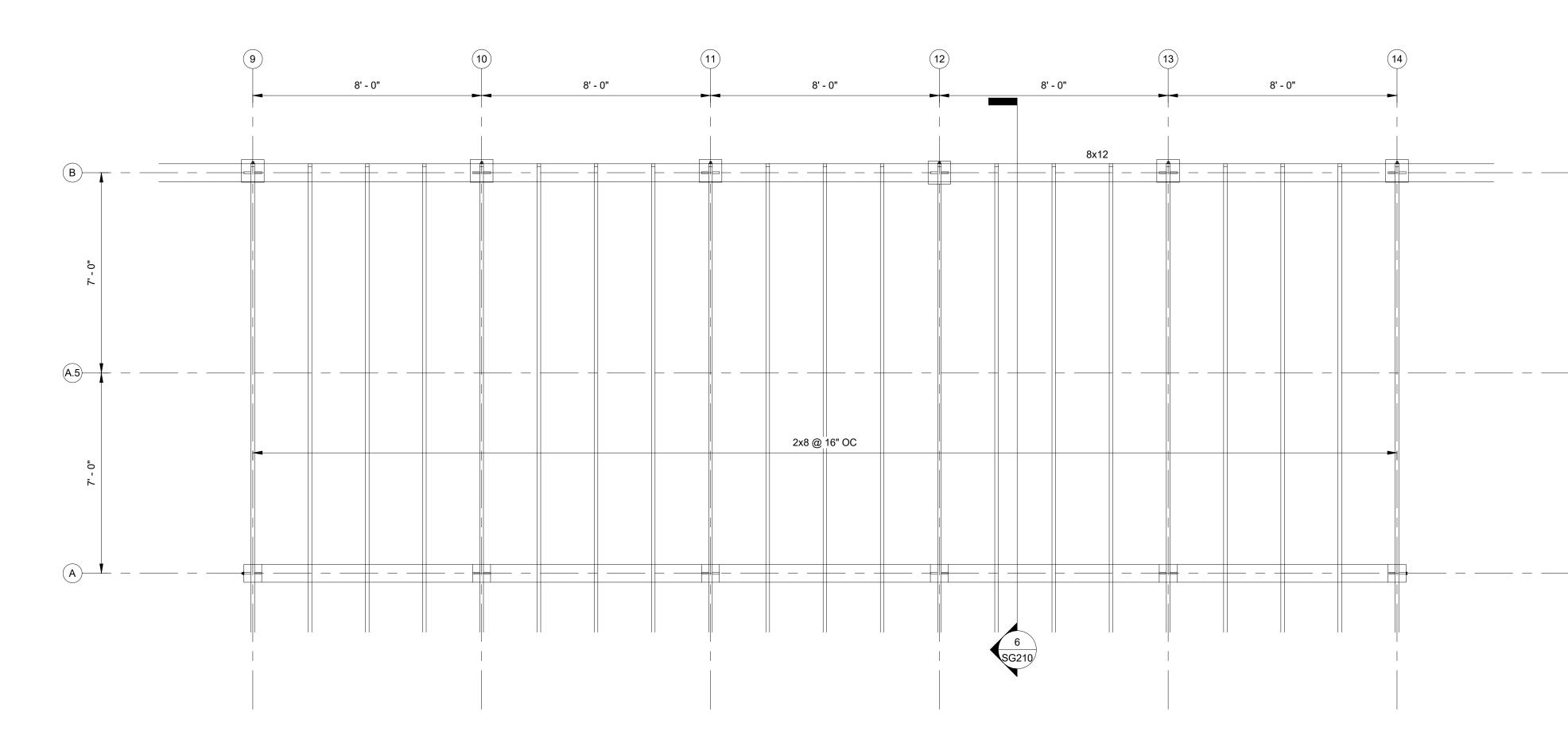
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PORCH ROOF FRAMING PLAN

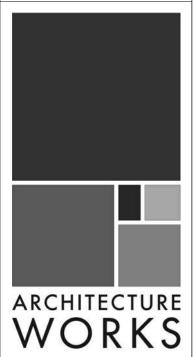
SCALE: 3/8" = 1'-0"

- SEE PLAN FOR BEARING ELEVATIONS. FRAMING MEMBERS ARE EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED
- ELEVATIONS.
- SEE WOOD FRAMING CONNECTION TABLE FOR NAILED CONNECTIONS.



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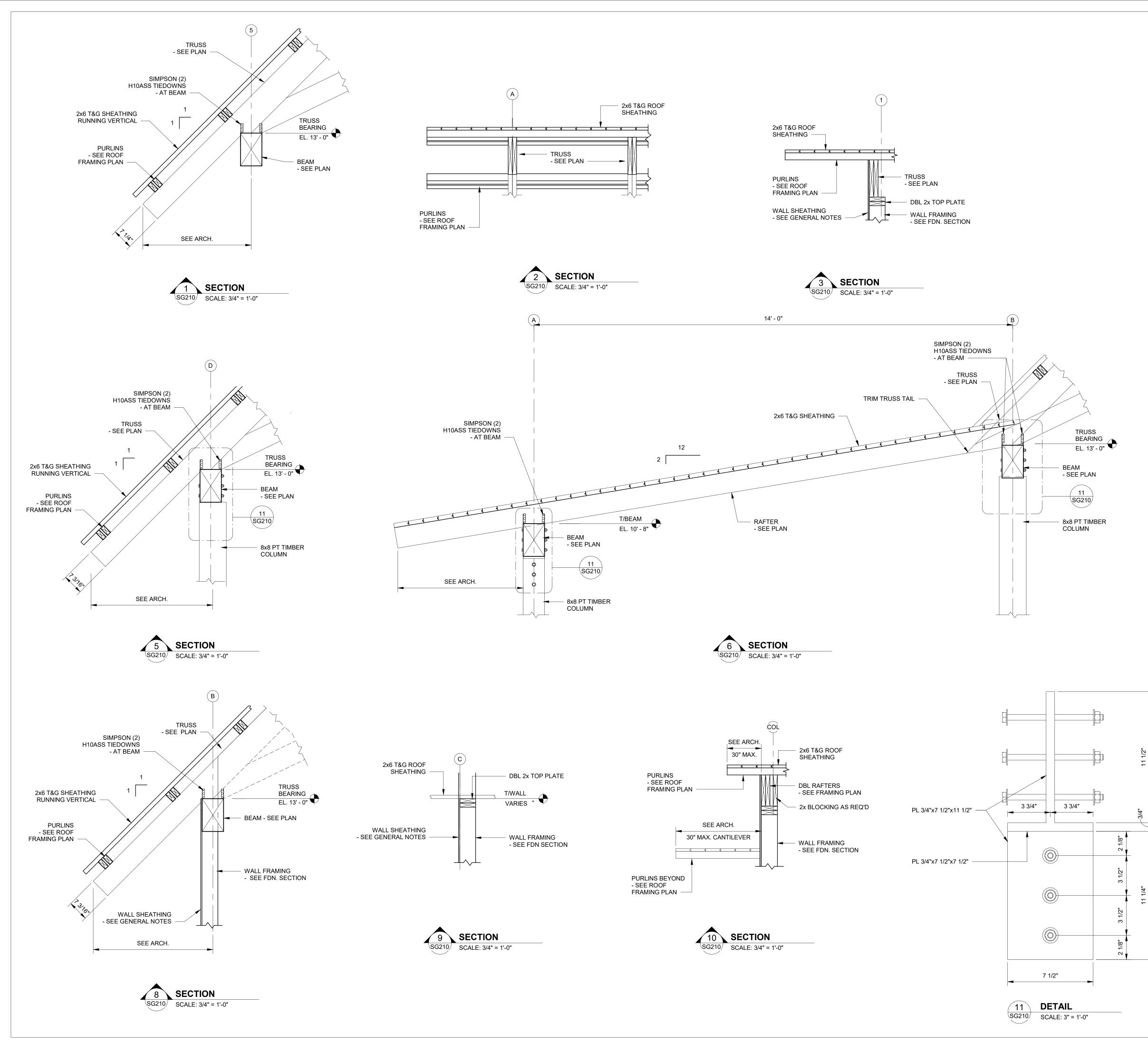
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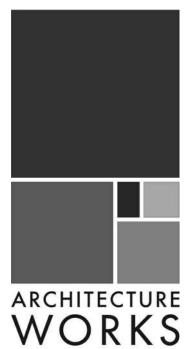
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CENTER SUSTAINABILITY B PACKAGE Labama DR ECOTOURISM & SU GATHERING HUB F GULF SHORES, ALAE COAST ЦĻ, FOR C JOB 20-1101-0049 PROJECT STATUS **CONFORMANCE SET** DATE MARCH 24, 2023 SHEET NAME PORCH ROOF FRAMING PLAN SHEET NO. SG201











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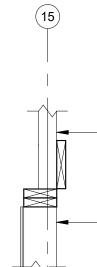
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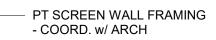




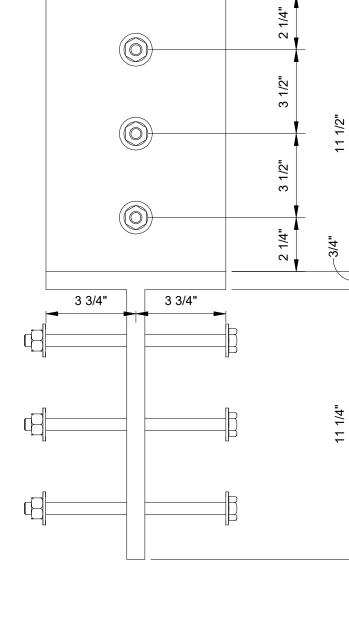


- SEE PLAN

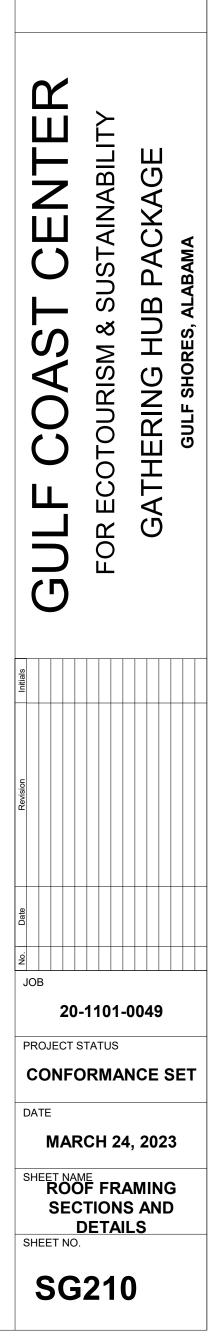
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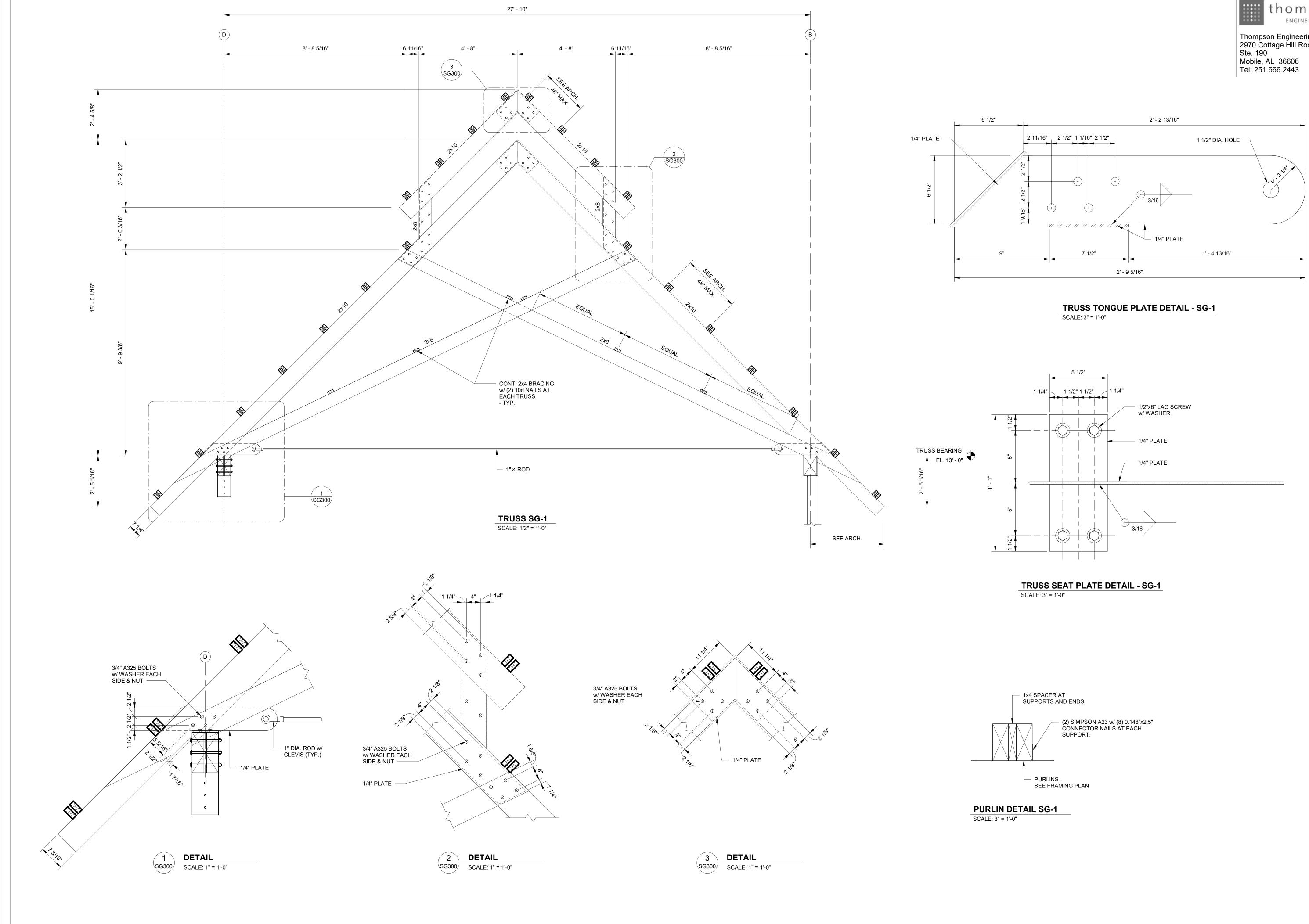










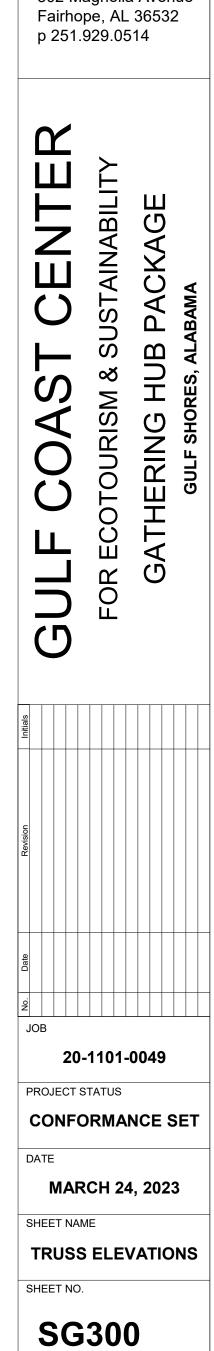


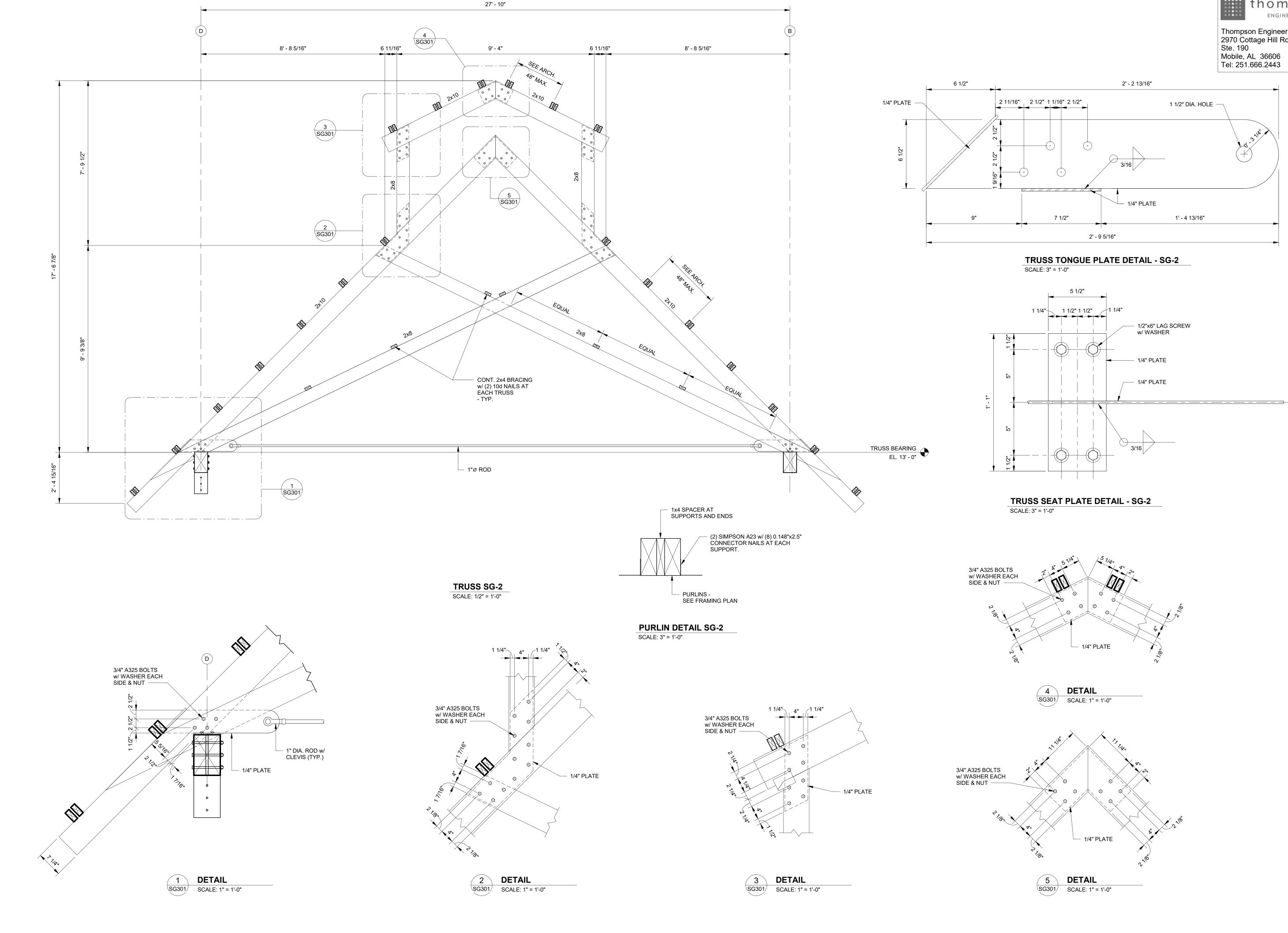




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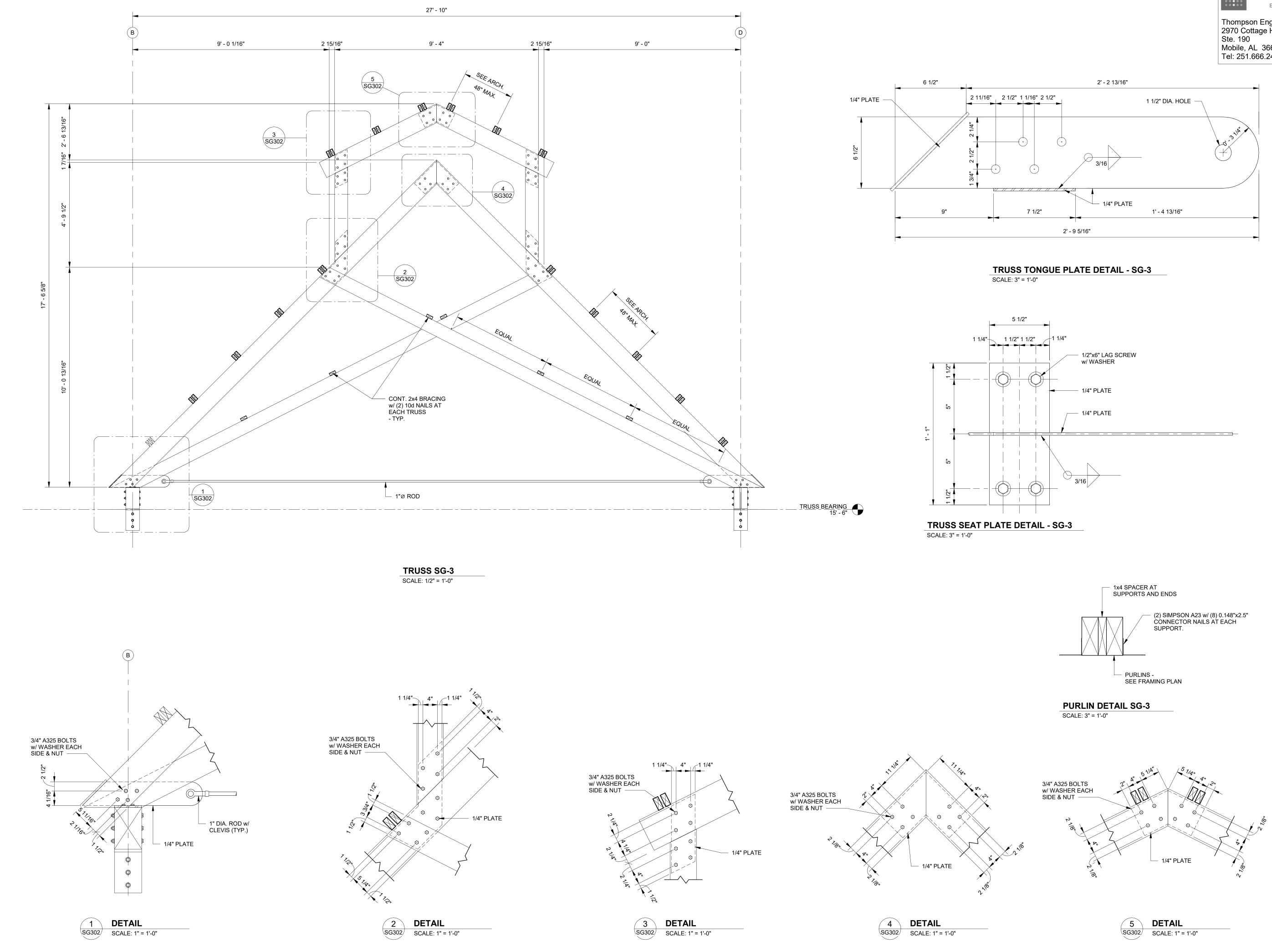




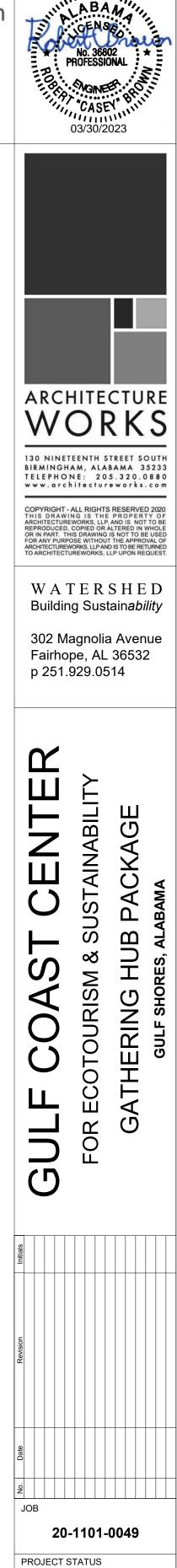


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CONFORMANCE SET

MARCH 24, 2023

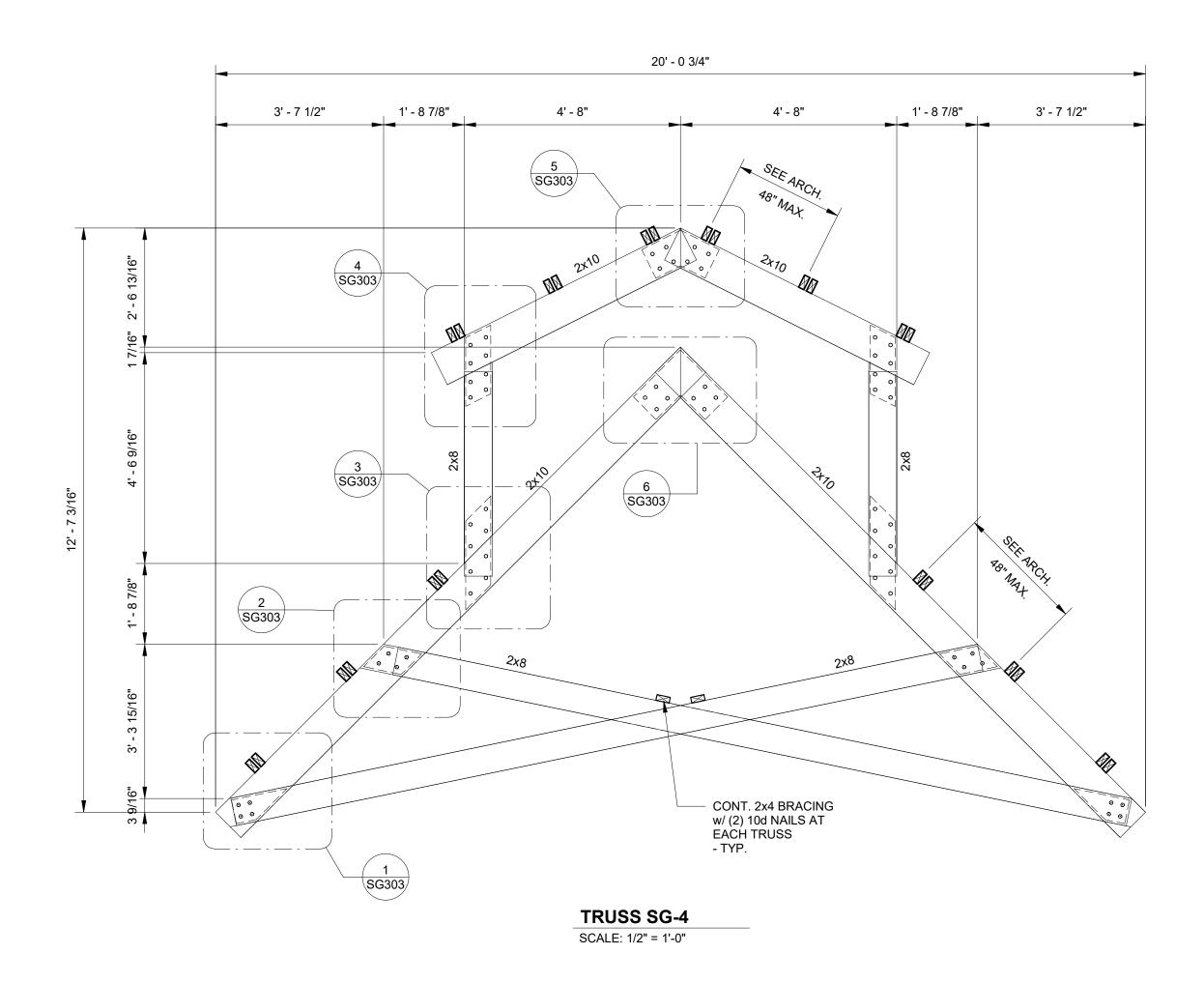
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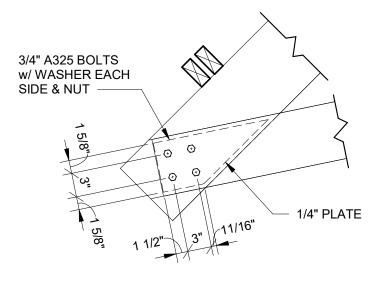
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SHEET NAME

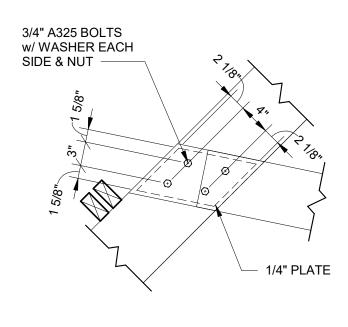
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SG302

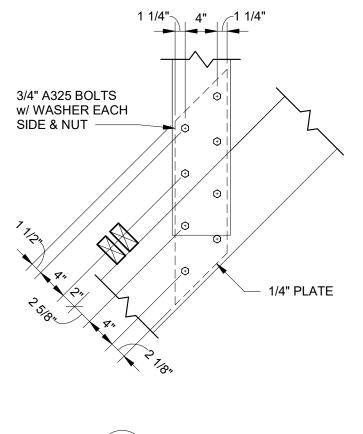




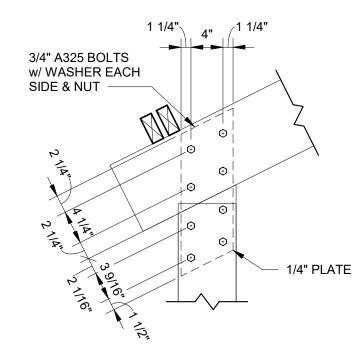


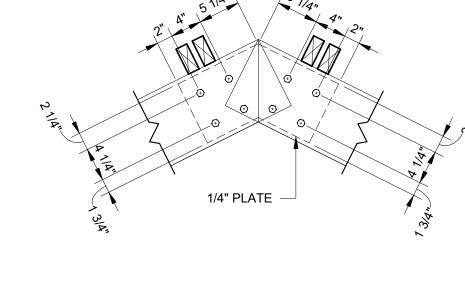






3 **DETAIL** SG303 SCALE: 1" = 1'-0"







5 **DETAIL** SG303 SCALE: 1" = 1'-0"



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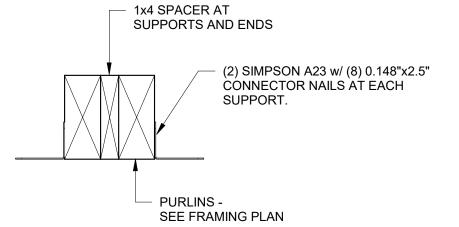


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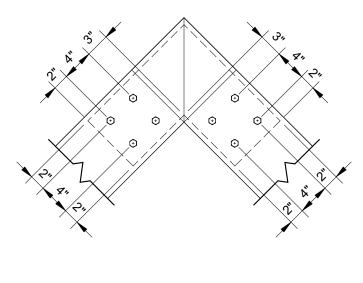
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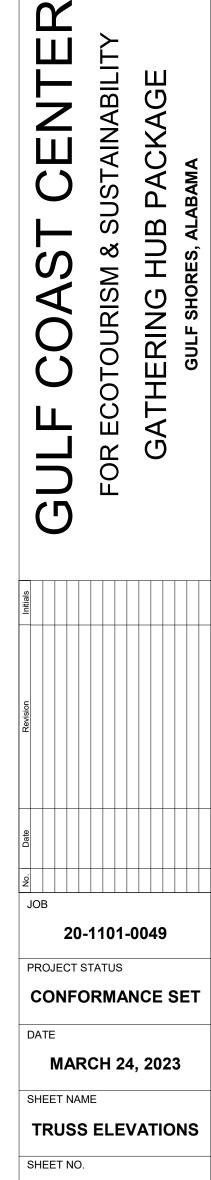


PURLIN DETAIL SG-4 SCALE: 3" = 1'-0"

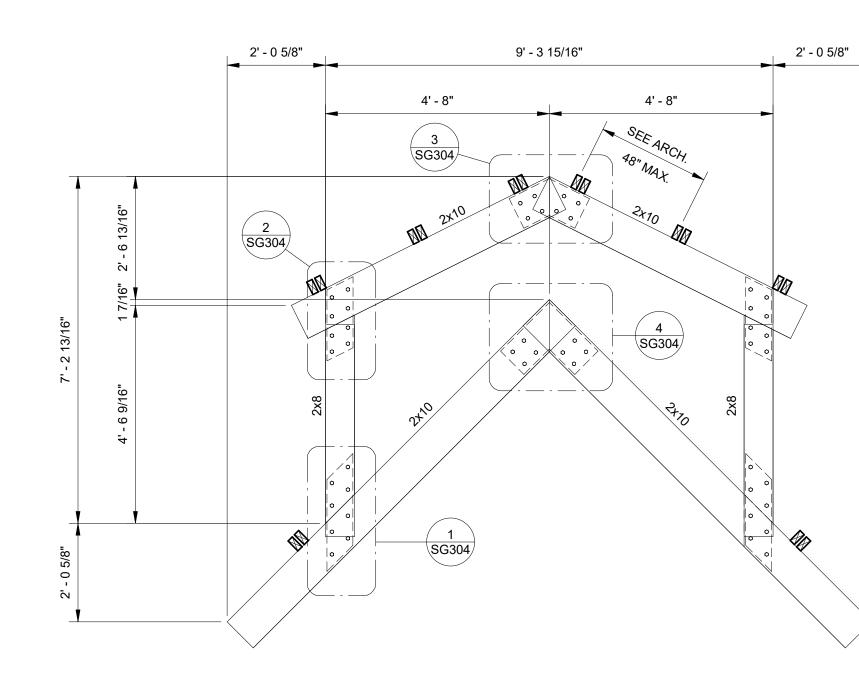




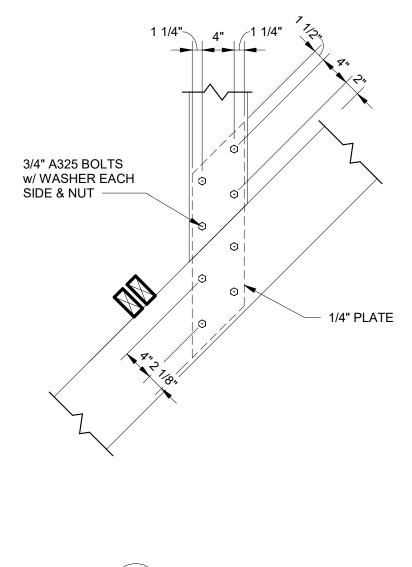
DETAIL 3 SCALE: 1" = 1'-0"



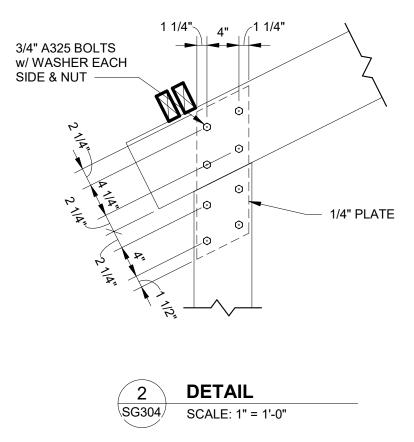
SG303

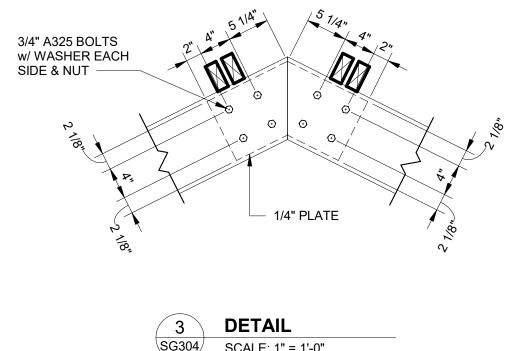


TRUSS SG-5 SCALE: 1/2" = 1'-0"



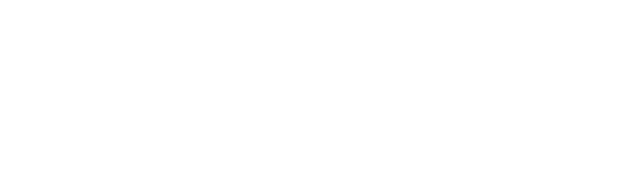












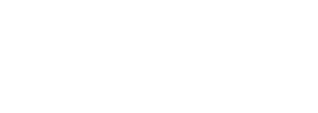


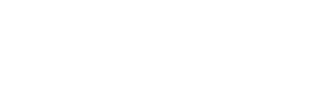


















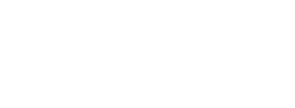


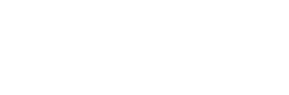




















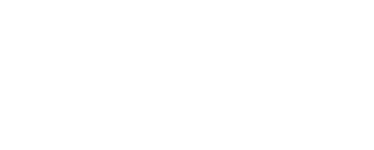










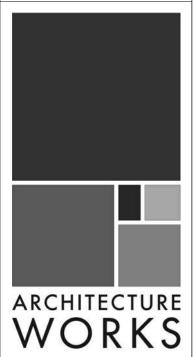












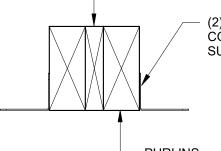


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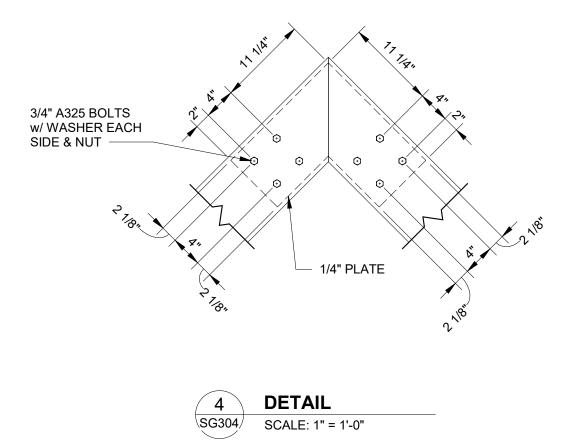
1x4 SPACER AT SUPPORTS AND ENDS

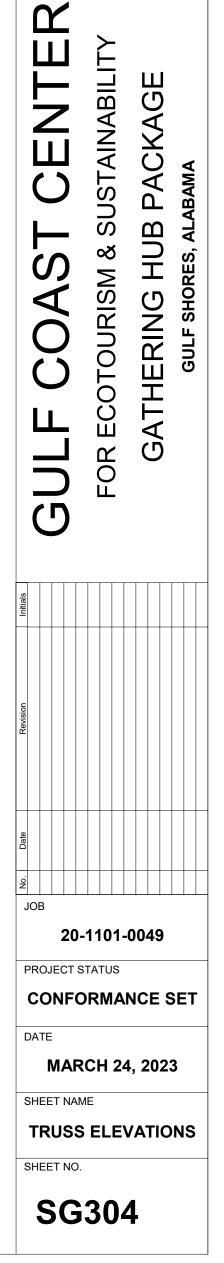


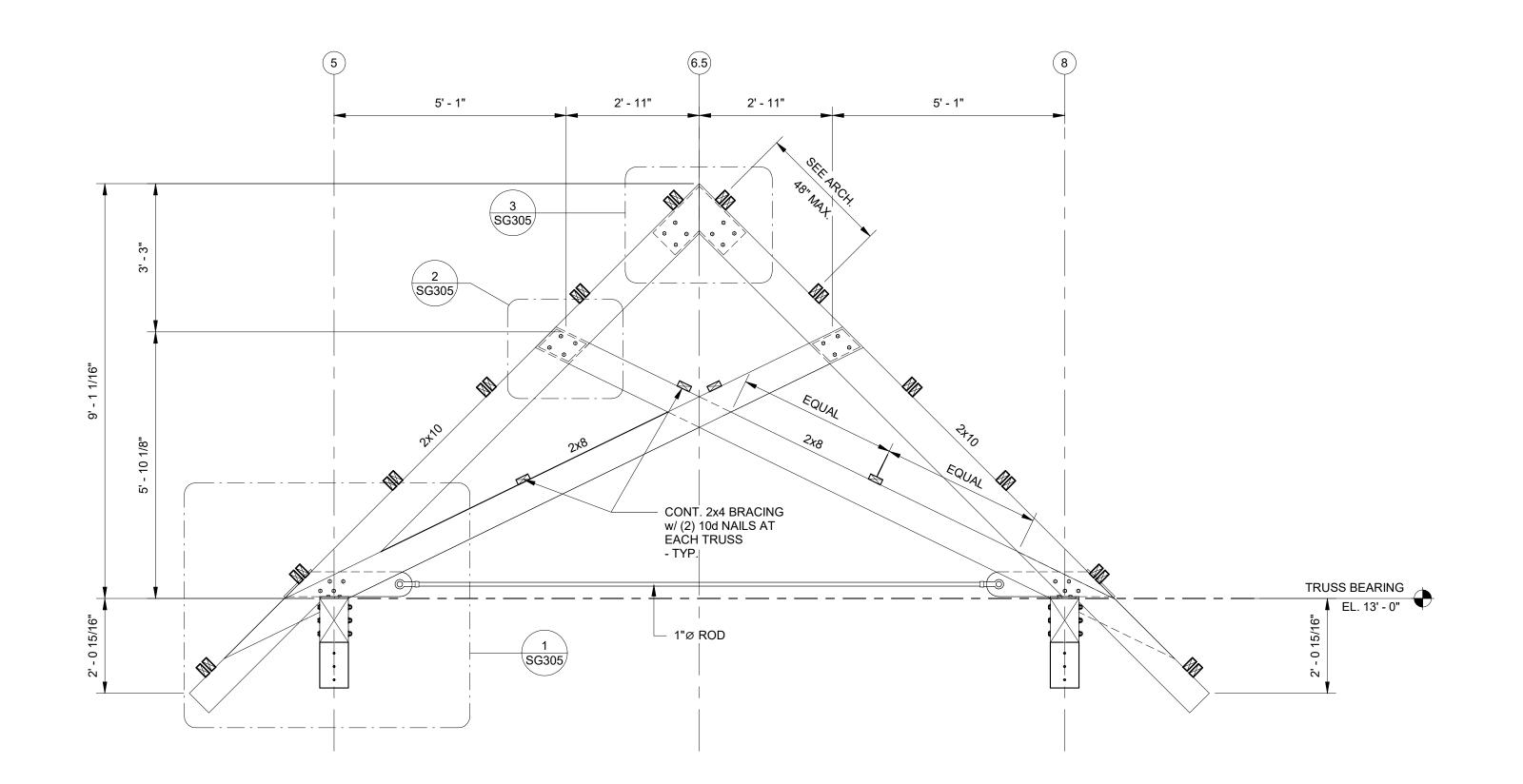
- (2) SIMPSON A23 w/ (8) 0.148"x2.5" CONNECTOR NAILS AT EACH SUPPORT.

— PURLINS -SEE FRAMING PLAN

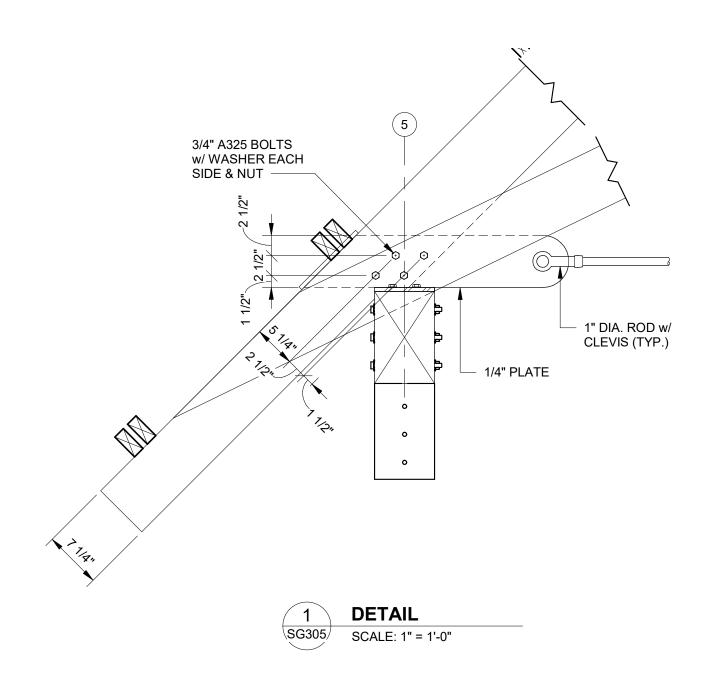
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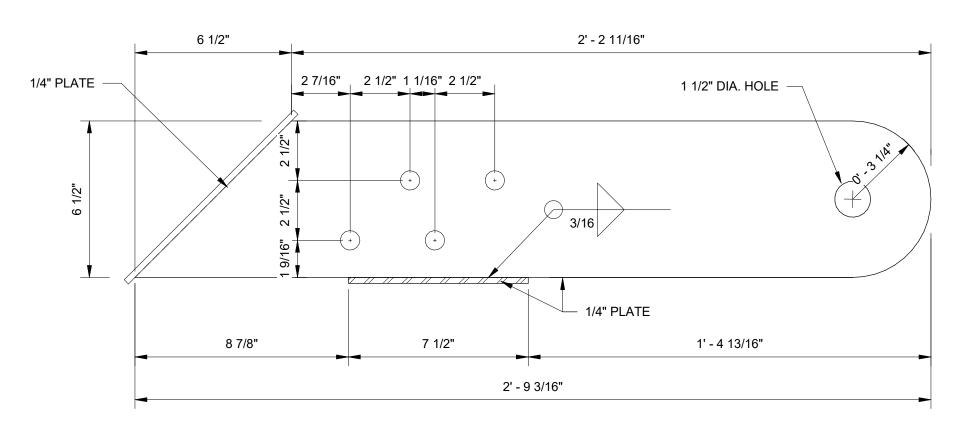




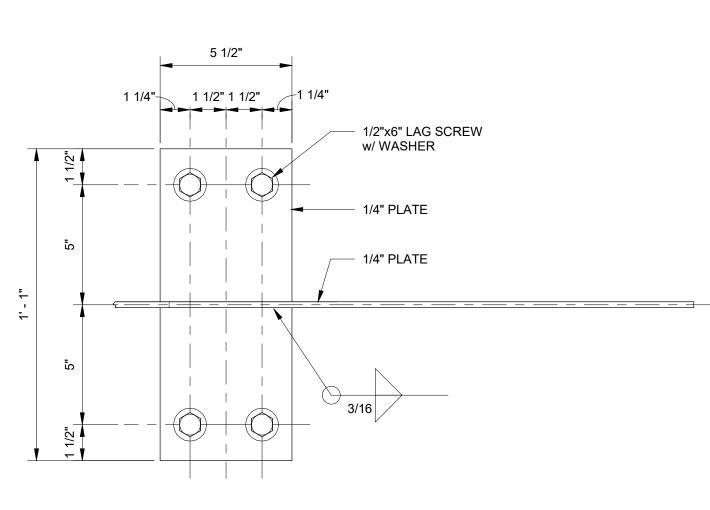


TRUSS SG-6 SCALE: 1/2" = 1'-0"

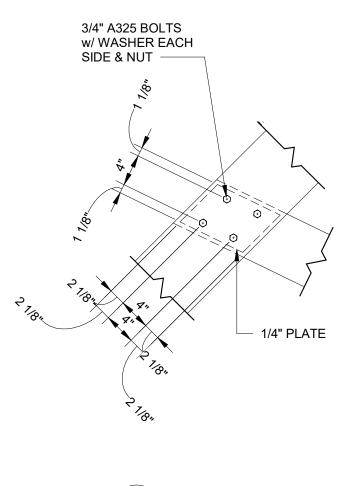




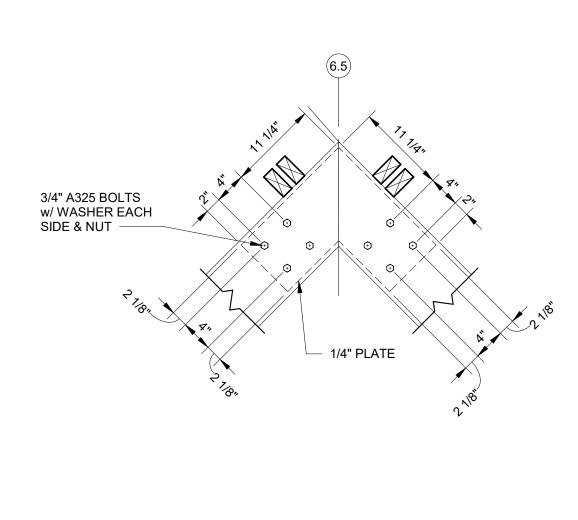
SCALE: 3" = 1'-0"



SCALE: 3" = 1'-0"







3 SG305 DETAIL SCALE: 1" = 1'-0"





TRUSS TONGUE PLATE DETAIL - SG-6

TRUSS SEAT PLATE DETAIL - SG-6

 1x4 SPACER AT
 SUPPORTS AND ENDS (2) SIMPSON A23 w/ (8) 0.148"x2.5"
 CONNECTOR NAILS AT EACH SUPPORT. PURLINS -SEE FRAMING PLAN

PURLIN DETAIL SG-6 SCALE: 3" = 1'-0"

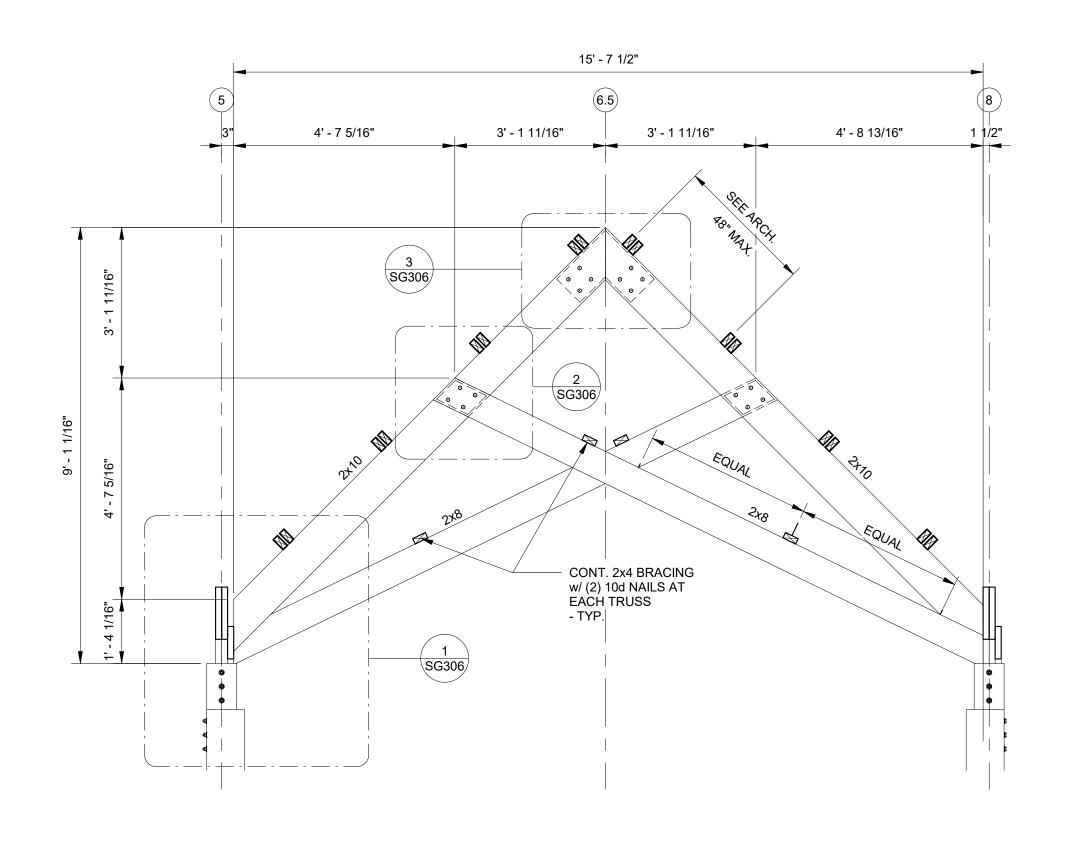


20-1101-0049 PROJECT STATUS CONFORMANCE SET DATE MARCH 24, 2023

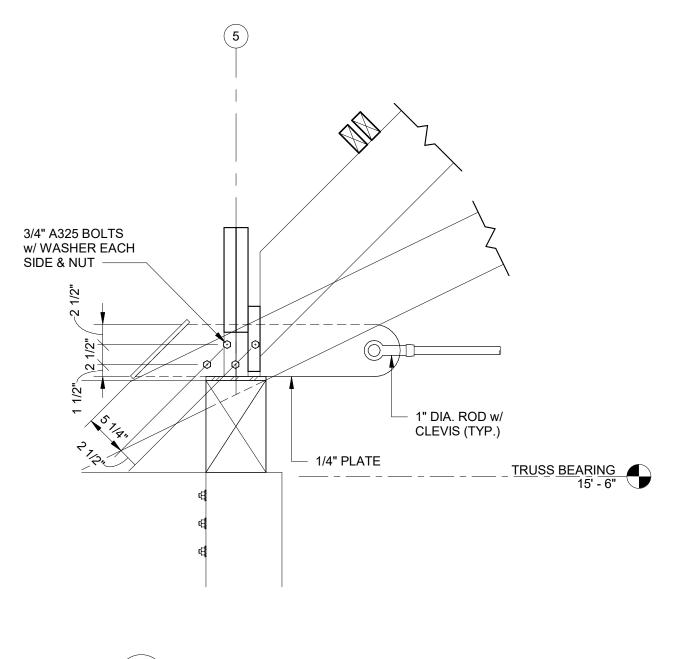
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SHEET NO.

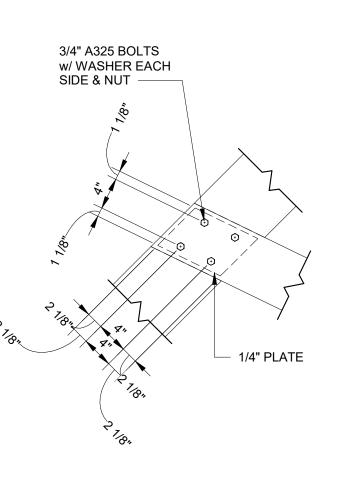
SG305



TRUSS SG-7 SCALE: 1/2" = 1'-0"

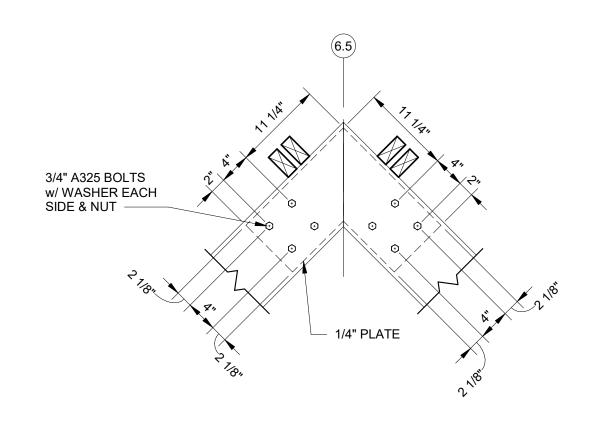


DETAIL SG306 SCALE: 1" = 1'-0"





DETAIL



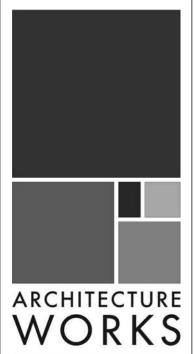


DETAIL SG306 SCALE: 1" = 1'-0"



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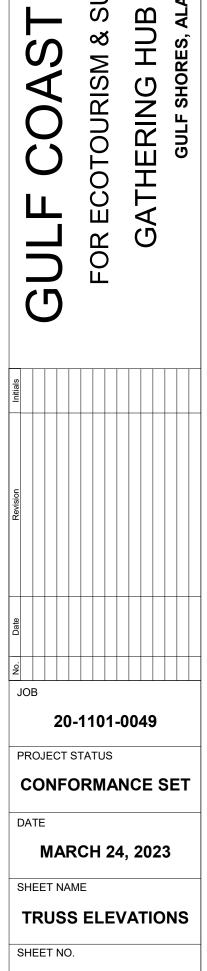
CENTER

1x4 SPACER AT
 SUPPORTS AND ENDS

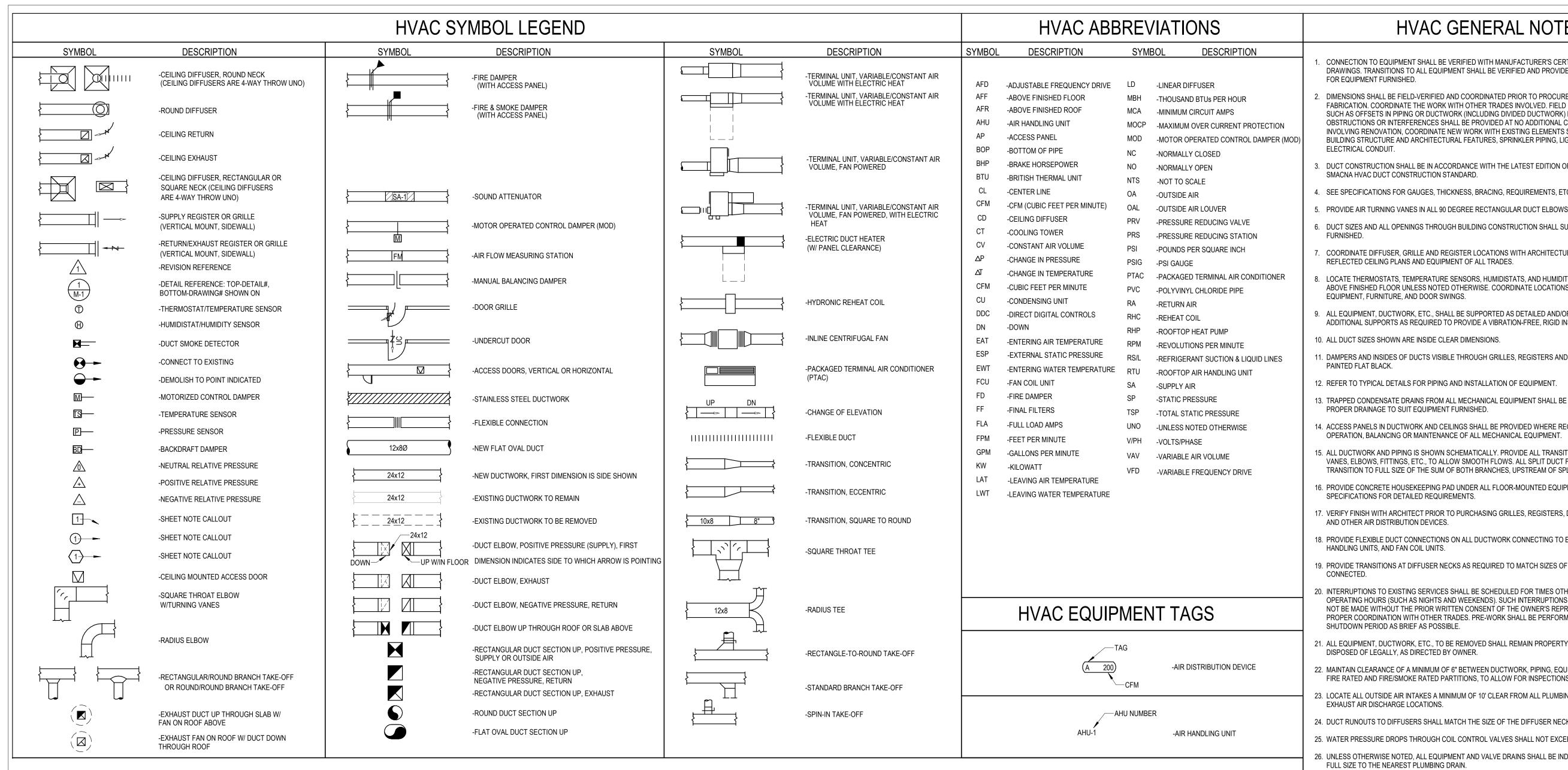
— (2) SIMPSON A23 w/ (8) 0.148"x2.5"
 CONNECTOR NAILS AT EACH
 SUPPORT.

PURLINS -SEE FRAMING PLAN

PURLIN DETAIL SG-7 SCALE: 3" = 1'-0"







	FAN SCHEDULE GATHERING													
PLAN MARK	MODEL	AREA SERVED	TYPE	TOTAL CFM	EXT. SP (IN WG.)	Max Fan Bhp	MOTOR HP	INPUT WATTS	FAN RPM	VOLTS/PHASE	WEIGHT (lb)	NOTES		
EF-G-1	SQ-95VG	GATHERING RESTROOMS	DIRECT DRIVE INLINE	500	0.35	0.09	.1	NA	1725	115/1	75	1,3,4		
EF-G-2	SP 80 VG	GATHERING STORAGE	CEILING MOUNTED	50	0.5	NA	NA	6	935	115/1	15	1,2,4		
2. CONTROL BY 3. CONTROL BY	EF-G-2 SP 80 VG GATHERING STORAGE CEILING MOUNTED 50 0.5 NA NA 6 935 115/1 15 1,2,4 . UL 705 LISTED EC MOTOR WITH VARIABLE SPEED DIAL, OR SPEED VARIED BY POTENTIOMETER. PROVIDE ALL ALUMINUM BACKDRAFT DAMPER. 2. CONTROL BY 365 DAY PROGRAMMABLE THERMOSTAT ON WALL. FAN TO RUN WHENEVER INDOOR TEMPERATURE IS ABOVE 78 DEG (ADJ) 3. CONTROL BY 365 DAY PROGRAMMABLE THERMOSTAT ON WALL WITH TIME OF DAY SCHEDULE TO RUN WHENEVER OCCUPIED. 4. DISCONNECT BY ELECTRICAL.													

AIR DISTRIBUTION S	SCHEDULE
--------------------	----------

PLAN MARK	CFM	NECK SIZE	FACE	DESCRIPTION				
В	000-145	6x6	FACE	BASIS OF DESIGN: PRICE-80				
	146-315	8x8	SIZE	COLOR: AS SELECTED BY ARCHITECT				
	316-480	10x10	EQUALS	MATERIAL: ALUMINUM				
	481-630	12x12	NECK	VOLUME DAMPERS: NO				
	631-825	14x14	SIZE	1/2"x1/2"x1/2" EGGCRATE GRID,				
	826-1120	16x16	PLUS	SQUARE NECK & FACE. FOR RETURN				
	1121-1450	18x18	2".	& EXHAUST, SIZE PER SCHEDULE FOR				
	1451-1945	20x20		TRANSFER, SEE PLANS FOR SIZE.				
	1946-2165	22x22		,				

1. AIR DISTRIBUTION DEVICES LOCATED WITHIN ACCOUSTICAL TILE CEILINGS SHALL BE PROVIDED WITH BORDER FOR LAY-IN MOUNTING. AIR DISTRIBUTION DEVICES LOCATED WITHIN GYPSUM BOARD CEILINGS OR WALLS SHALL BE PROVIDED WITH BORDER FOR SURFACE MOUNTING. REFER TO ARCHITECTURAL DOCUMENTS FOR CEILING TYPES.

. AIR DISTRIBUTION DEVICES LOCATED IN SMALL ROOMS WHERE FULL 24x24 LAY-IN GRID SPACE IS NOT AVAILABLE SHALL BE PROVIDED WITH SURFACE MOUNTING BORDERS IN LIEU OF LAY-IN, AND SHALL BE SURFACE-MOUNTED IN A CEILING TILE. SECURE EACH SUCH DEVICE TO CEILING GRID WITH FIELD-FABRICATED SUPPORTS ON TOP SIDE OF TILE, SO THAT TILE DOES NOT SAG OR CRACK.

. BRANCH DUCTWORK SHALL BE RAN FULL SIZE OF DIFFUSER/GRILLE NECK SIZE UNLESS OTHERWISE NOTED.

1. DIFFUSER/GRILLE SHALL BE PAINTED TO MATCH CEILING COLOR. REFER TO ARCHITECTURAL & INTERIOR DOCUMENTS FOR CEILING COLOR.

HVAC GENERAL NOTES

CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.

DIMENSIONS SHALL BE FIELD-VERIFIED AND COORDINATED PRIOR TO PROCUREMENT OR FABRICATION. COORDINATE THE WORK WITH OTHER TRADES INVOLVED. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING OR DUCTWORK (INCLUDING DIVIDED DUCTWORK) NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST. FOR PROJECTS INVOLVING RENOVATION. COORDINATE NEW WORK WITH EXISTING ELEMENTS SUCH AS THE BUILDING STRUCTURE AND ARCHITECTURAL FEATURES, SPRINKLER PIPING, LIGHTS, PLUMBING, AND

DUCT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARD.

. SEE SPECIFICATIONS FOR GAUGES, THICKNESS, BRACING, REQUIREMENTS, ETC., OF DUCTWORK.

6. DUCT SIZES AND ALL OPENINGS THROUGH BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT

COORDINATE DIFFUSER, GRILLE AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND EQUIPMENT OF ALL TRADES.

LOCATE THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, AND HUMIDITY SENSORS AT 48" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT, FURNITURE, AND DOOR SWINGS.

D. ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.

10. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.

11. DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS SHALL BE

12. REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT.

13. TRAPPED CONDENSATE DRAINS FROM ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED FOR PROPER DRAINAGE TO SUIT EQUIPMENT FURNISHED.

14. ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION, BALANCING OR MAINTENANCE OF ALL MECHANICAL EQUIPMENT.

15. ALL DUCTWORK AND PIPING IS SHOWN SCHEMATICALLY. PROVIDE ALL TRANSITIONS, TURNING VANES, ELBOWS, FITTINGS, ETC., TO ALLOW SMOOTH FLOWS. ALL SPLIT DUCT FITTINGS SHALL TRANSITION TO FULL SIZE OF THE SUM OF BOTH BRANCHES, UPSTREAM OF SPLIT.

16. PROVIDE CONCRETE HOUSEKEEPING PAD UNDER ALL FLOOR-MOUNTED EQUIPMENT. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.

17. VERIFY FINISH WITH ARCHITECT PRIOR TO PURCHASING GRILLES, REGISTERS, DIFFUSERS, LOUVERS AND OTHER AIR DISTRIBUTION DEVICES.

18. PROVIDE FLEXIBLE DUCT CONNECTIONS ON ALL DUCTWORK CONNECTING TO EACH FAN, AIR HANDLING UNITS, AND FAN COIL UNITS.

19. PROVIDE TRANSITIONS AT DIFFUSER NECKS AS REQUIRED TO MATCH SIZES OF FLEX DUCTS TO BE

20. INTERRUPTIONS TO EXISTING SERVICES SHALL BE SCHEDULED FOR TIMES OTHER THAN NORMAL OPERATING HOURS (SUCH AS NIGHTS AND WEEKENDS), SUCH INTERRUPTIONS TO SERVICES SHALL NOT BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE AND PROPER COORDINATION WITH OTHER TRADES. PRE-WORK SHALL BE PERFORMED TO MAKE THE SHUTDOWN PERIOD AS BRIEF AS POSSIBLE.

21. ALL EQUIPMENT, DUCTWORK, ETC., TO BE REMOVED SHALL REMAIN PROPERTY OF THE OWNER OR DISPOSED OF LEGALLY, AS DIRECTED BY OWNER.

22. MAINTAIN CLEARANCE OF A MINIMUM OF 6" BETWEEN DUCTWORK, PIPING, EQUIPMENT, ETC., AND ALL FIRE RATED AND FIRE/SMOKE RATED PARTITIONS, TO ALLOW FOR INSPECTIONS OF RATED WALLS.

23. LOCATE ALL OUTSIDE AIR INTAKES A MINIMUM OF 10' CLEAR FROM ALL PLUMBING VENTS AND EXHAUST AIR DISCHARGE LOCATIONS.

24. DUCT RUNOUTS TO DIFFUSERS SHALL MATCH THE SIZE OF THE DIFFUSER NECK.

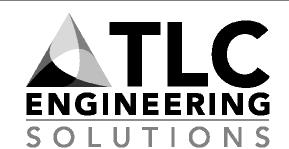
25. WATER PRESSURE DROPS THROUGH COIL CONTROL VALVES SHALL NOT EXCEED 5 PSI.

26. UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND VALVE DRAINS SHALL BE INDEPENDENTLY PIPED FULL SIZE TO THE NEAREST PLUMBING DRAIN.

27. SLEEVE AND SEAL ALL PIPING PENETRATIONS THROUGH BUILDING PARTITIONS. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN CHILLED WATER AND HOT WATER PIPING.

28. PIPING, DUCTWORK, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO ELECTRICAL SWITCHBOARDS, PANELBOARDS, DISTRIBUTION BOARDS, OR MOTOR CONTROL CENTERS SHALL NOT BE INSTALLED WITHIN THE REQUIRED SPACE FOR WORKING CLEARANCES OR DEDICATED SPACES OF THE ELECTRICAL EQUIPMENT, EXTENDING IN FRONT OF AND FROM FLOOR TO STRUCTURAL CEILING WITH A WIDTH AND DEPTH OF THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC-110.26.

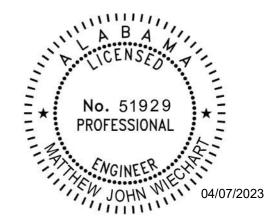
ADDITIONAL REQUIREMENTS RETURN/EXHAUST CEILING GRILLE SURFACE-MOUNT: BORDER TYPE F LAY-IN: BORDER TYPE TB W/24x24 FACE



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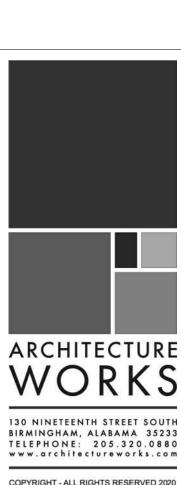
COA 15

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This item has been electronically signed and sealed by Matthew Wiechart, PE on the date adjacent to this seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

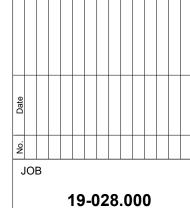


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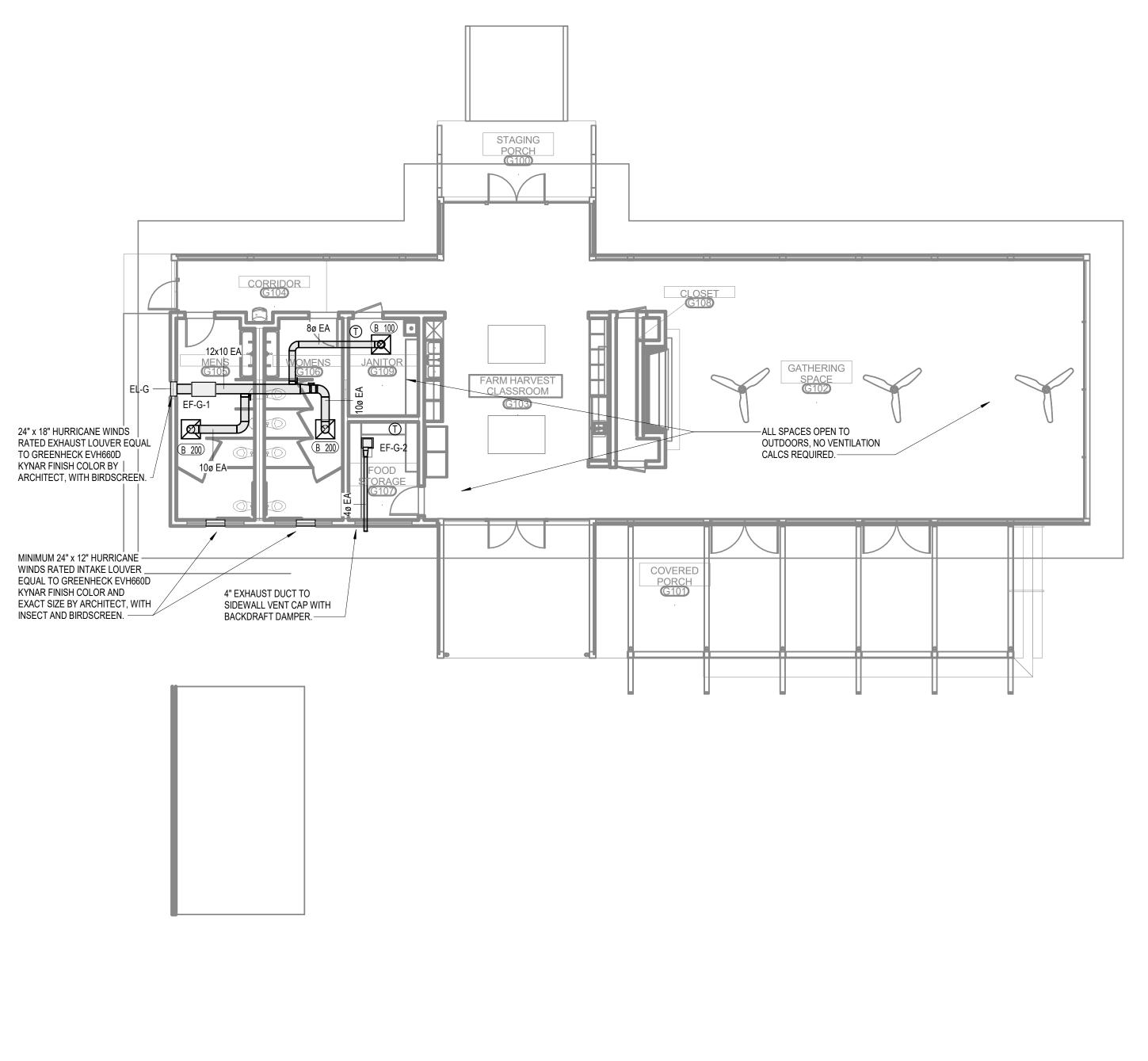


PROJECT STATUS **CONFORMANCE SET**

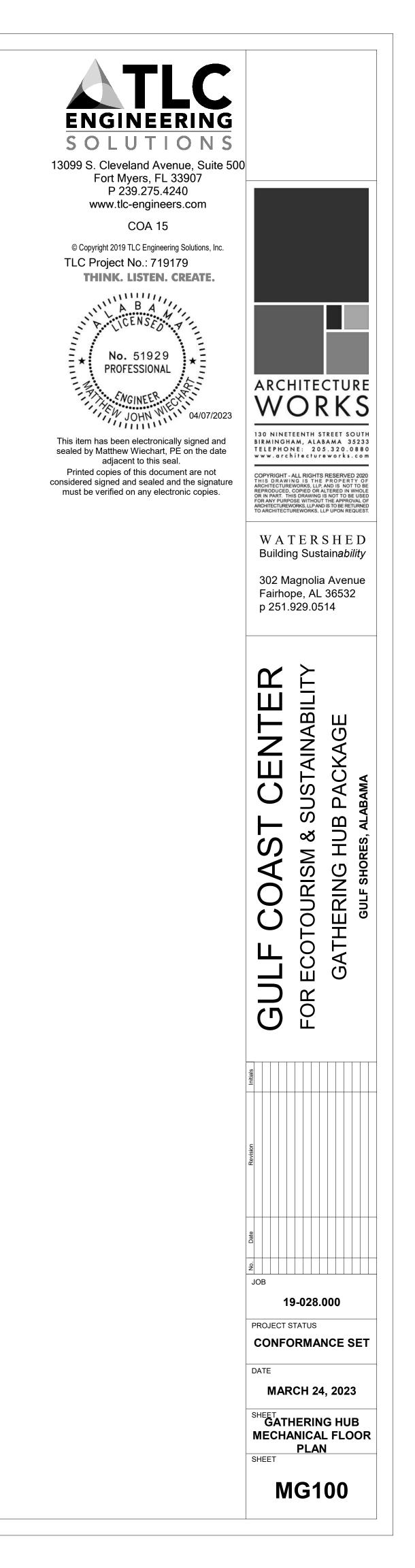
DATE MARCH 24, 2023

MECHANICAL LEGEND AND SHEET INDEX

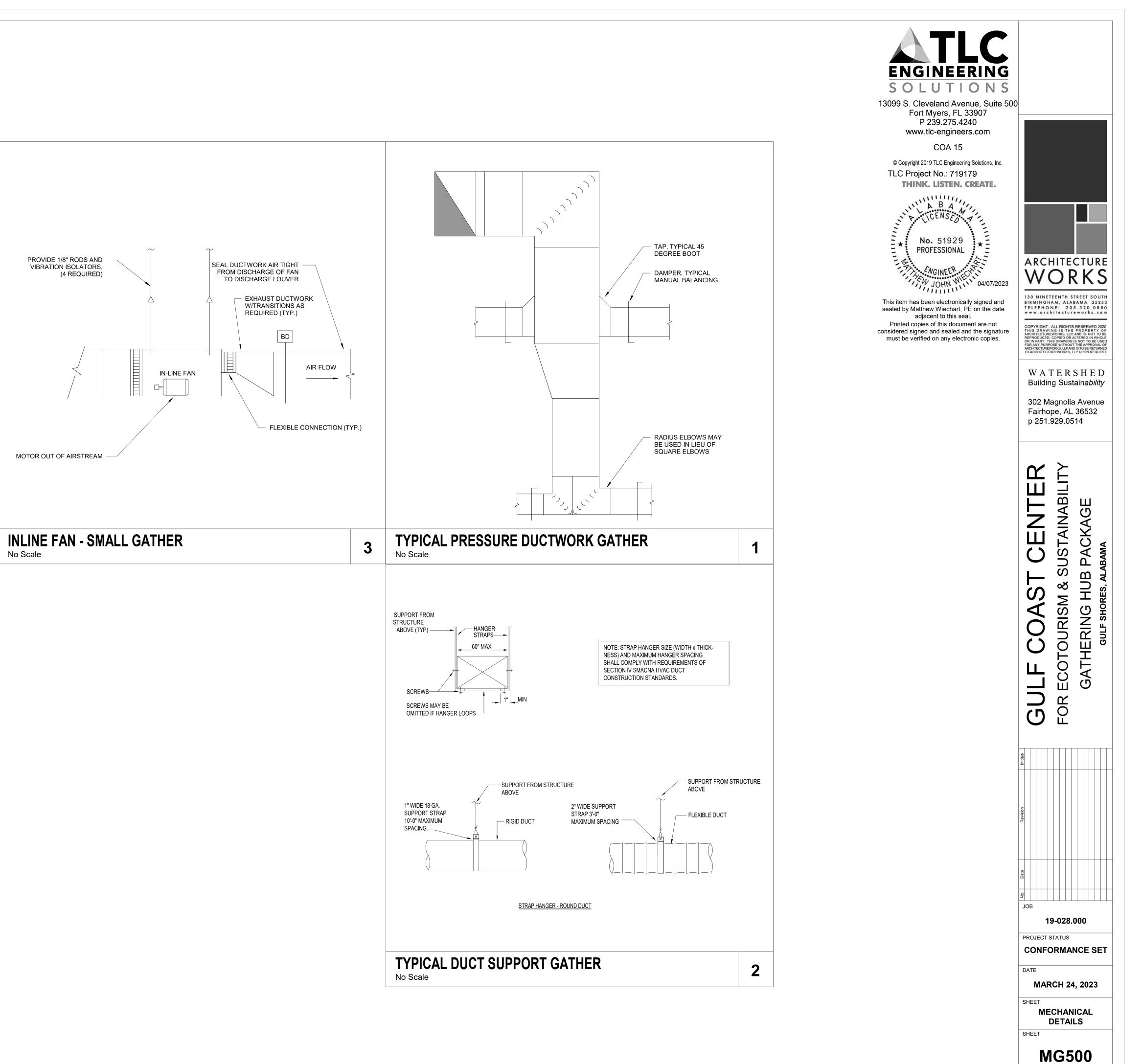


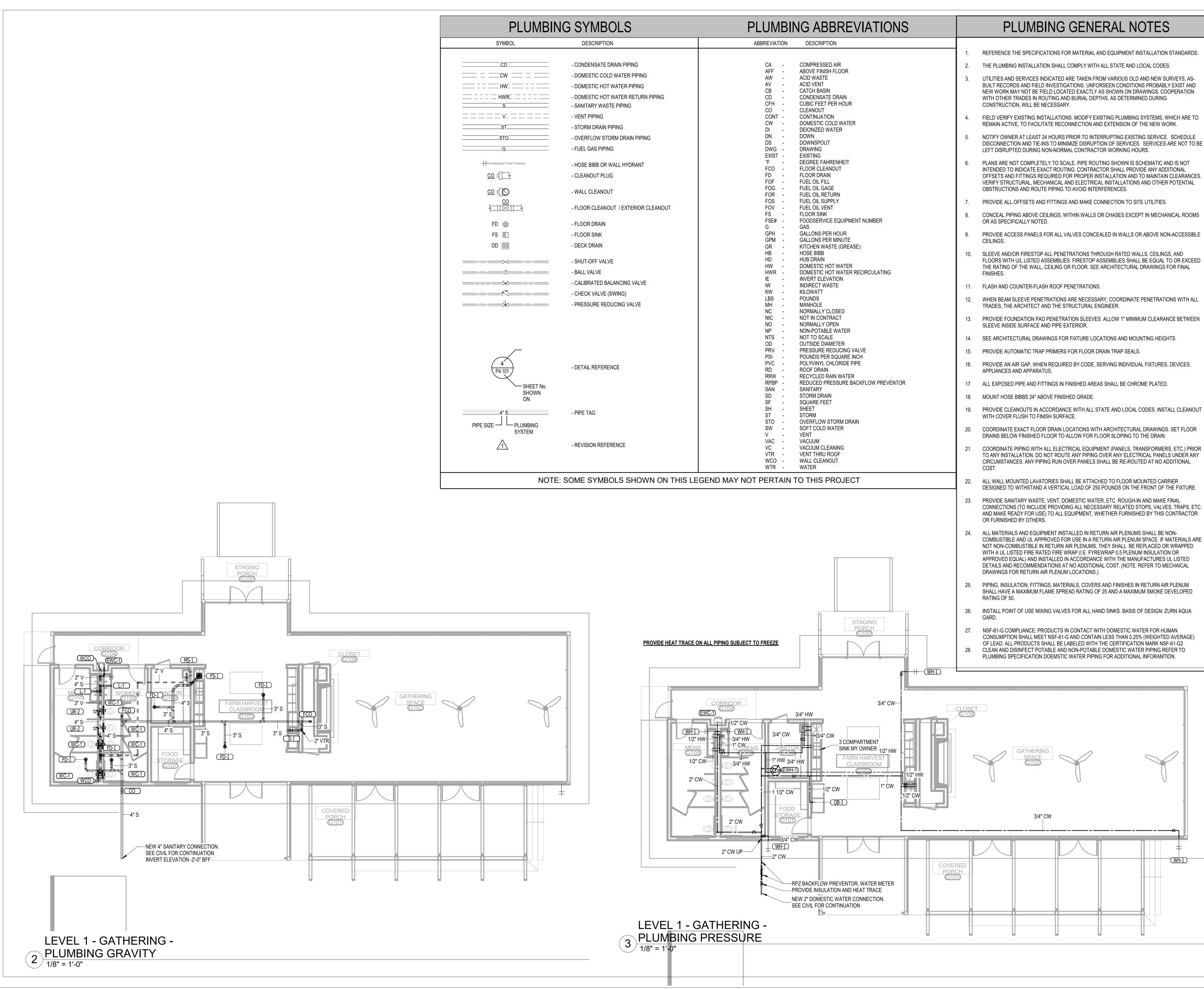


LEVEL 1 - GATHERING -1 <u>MECHANICAL</u> 1/8" = 1'-0"



No Scale



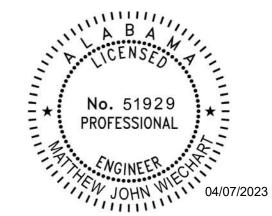




13099 S. Cleveland Avenue, Suite 500 Fort Myers, FL 33907 P 239.275.4240 www.tlc-engineers.com

COA 15

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This item has been electronically signed and sealed by Matthew Wiechart, PE on the date adjacent to this seal. Printed copies of this document are not

considered signed and sealed and the signature must be verified on any electronic copies.



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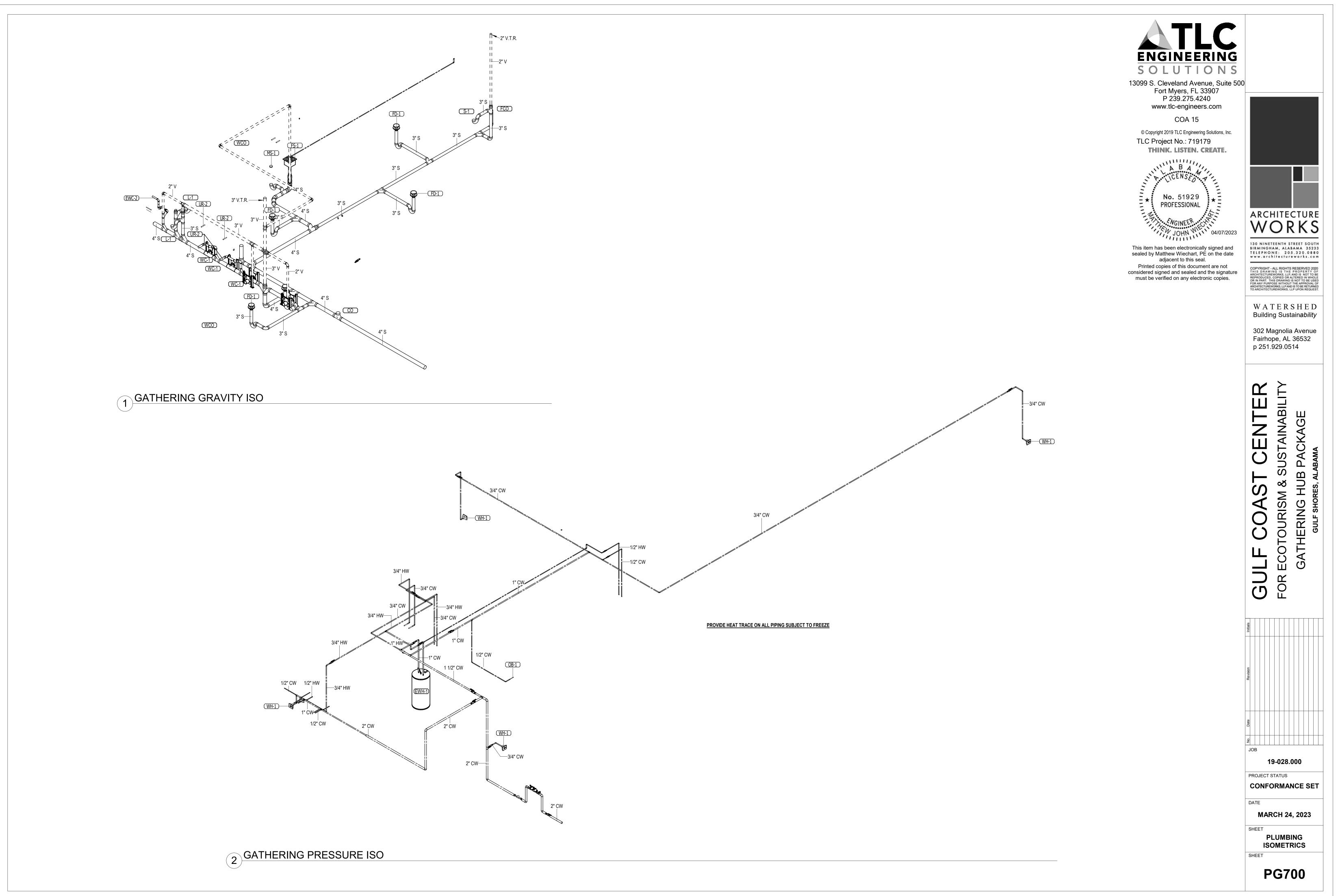
CONFORMANCE SET

MARCH 24, 2023

DATE

SHEET PLUMBING SYMBOLS, LEGEND NOTES AND INDEX





				ELEC
	BASIC M	ATERIALS	<u> </u>	FIRE
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	
			DESCRIPTION	SYMBOL LEGACY
DEVICE ABBI	REVIATION TAGS:	МН	MANHOLE	E E
TR TV	TAMPER RESISTANT RECEPTACLE MOUNTED ADJACENT TO TV OUTLET, COORDINATE	PB	PULLBOX	
	HEIGHT W/ ARCHITECT	НН	HANDHOLE	
U WP	DUPLEX RECEPTACLE WITH (2) USB PORTS WEATHERPROOF	Т	TRANSFORMER	
Sa		ATS 🔀	AUTOMATIC TRANSFER SWITCH	
Sa S3	SINGLE POLE SWITCH (SUBSCRIPT INDICATES ITEM CONTROLLED) THREE-WAY SWITCH	L <u>30AR</u> 3R	NEMA RATING; NEMA 1 UNLESS OTHERWISE NOTED NON-FUSED DISCONNECT SWITCH, RATING AS NOTED NF = NON-FUSED	(S) _{₽R} −B _R
s ₄	FOUR-WAY SWITCH	NF NF	AR = AMPERE RATING OF SWITCH	
s _K	SINGLE POLE KEY SWITCH DIGITAL TIMER SWITCH W/ 5 MIN. WARNING FLASH		4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE ——NEMA RATING; NEMA 1 UNLESS OTHERWISE NOTED	H H
S _T	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH, DUAL RELAY	4 30AR 20AF 3R	FUSED DISCONNECT	RR
S _{OSab}	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH	20/11	AF = AMPERE RATING OF FUSE AR = AMPERE RATING OF SWITCH	
s _{OS} s _{VS}	WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR SWITCH	MOD	4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE	
S _{D,OS}	WALL MOUNTED DUAL TECHNOLOGY DIMMING/OCCUPANCY SENSOR SWITCH	MCP — AMPERE		
s _{F∛}	LOW VOLTAGE SWITCH	RATING	COMBINATION MAGNETIC MOTOR STARTER, SIZE AS NOTED, 3-POLE	XXCD XXCD
s s s ^{LVD}		$\frac{1}{2} \sum_{n=1}^{30/3} \frac{30/3}{0} 3R$	UNLESS OTHERWISE NOTED 4X SS = NEMA 4X STAINLESS STEEL ENCLOSURE	
	LOW VOLTAGE OVERRIDE SWITCH WITH DIMMING FAN SWITCH		NEMA STARTER SIZE	XXCD XXCD
S _F S _M	MOTOR RATED SWITCH		SWITCHBOARD/ SWITCHGEAR/ DISTRIBUTION PANEL	_ ⊡ €
S _D	DIMMER SWITCH, LINE VOLTAGE		BRANCH CIRCUIT PANELBOARD, OVER 240 VOLTS, SURFACE MOUNTED	XXCD
09 ®	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR		BRANCH CIRCUIT PANELBOARD, OVER 240 VOLTS, FLUSH MOUNTED	© ∎ ∎⊇
03 🛞	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR			
	DAYLIGHT SENSOR CEILING MOUNTED		BRANCH CIRCUIT PANELBOARD, UNDER 240 VOLTS, SURFACE MOUNTED	⊨×× -€
<u>0</u> –	DAYLIGHT SENSOR WALL MOUNTED		BRANCH CIRCUIT PANELBOARD, UNDER 240 VOLTS, FLUSH MOUNTED	C -P VS TS
(VS)	VACANCY SENSOR CEILING MOUNTED		CONDUIT CONCEALED ABOVE CEILING OR IN WAL	WS FS
VS-	VACANCY SENSOR WALL MOUNTED	/ -~	CONDUIT EXPOSED	PS PS
@-	PHOTOCELL, MOUNTED ON ROOF FACING NORTH	////	CONDUIT CONCEALED IN SLAB, UNDERGROUND OR UNDER FLOOR	
₽Ø	NOTE: DIAGONAL MARKS INDICATED ON ANY DEVICE REPRESENTS DEVICE CONNECTED TO EMERGENCY CIRCUIT		CONDUIT HOMERUN TO ELECTRICAL PANEL	FACP FACP
A A	(RED DEVICE FOR RECEPTACLE); TYPICAL FOR ANY DEVICE IN LEGEND	o	CONDUIT TURNING UP	FATC FATC
↔	SINGLE RECEPTACLE	•	CONDUIT TURNING DOWN	FAA FAA EVAC EVAC
⊕ ⊕	DUPLEX RECEPTACLE TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE]	CONDUIT STUBBED OUT OR UP	MNS MNS
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER		CONDUIT CONTINUED	DACT DACT
	TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVER MOUNTED ABOVE COUNTER	\sim	FLEXIBLE CONDUIT	
—	DUPLEX RECEPTACLE; EACH RECEPTACLE ON SEPARATE CIRCUIT		CONDUIT SEAL-OFF FITTING	
	(PROVIDE BREAKER WITH 2-POLE COMMON TRIP HANDLE) SPLIT-WIRED CONTROLLED DUPLEX RECEPTACLE	·ı⊨	GROUND OR GROUND ROD AS NOTED	
	GFCI RECEPTACLE; "WP" INDICATES CAST METAL "IN-USE"		EXISTING TO BE REMOVED (HEAVY, DASHED LINE)	
⊨	WEATHERPROOF COVER, WEATHER-RESISTANT LISTED TWO GFCI DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE		EXISTING TO REMAIN (LIGHT, SOLID LINE)	
	GFCI RECEPTACLE MOUNTED ABOVE COUNTER		NEW (HEAVY, SOLID LINE)	
\square	DUPLEX RECEPTACLE, CEILING MOUNTED		LIGHTING	
	DUPLEX RECEPTACLE, CEILING MOUNTED TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE, CEILING MOUNTED		LIGHTING	
-			LED OR FLUORESCENT STRIP FIXTURE	
	CEILING MOUNTED		LED OR FLUORESCENT STRIP FIXTURE FIXTURE TYPE LED OR FLUORESCENT FIXTURE, RECESSED, PENDANT OR	
	CEILING MOUNTED PEDESTAL MOUNTED DUPLEX RECEPTACLE FLOOR BOX WITH DUPLEX RECEPTACLE WITH APPROPRIATE FLANGE		LED OR FLUORESCENT STRIP FIXTURE	
⊕∅∅	CEILING MOUNTED PEDESTAL MOUNTED DUPLEX RECEPTACLE FLOOR BOX WITH DUPLEX RECEPTACLE WITH APPROPRIATE FLANGE MULTI-SERVICE FLOOR BOX WITH DUPLEX RECEPTACLE, VOICE/DATA/AV DEVICES (REFER TO TECHNOLOGY DRAWINGS OR	A 2 ZX-	LED OR FLUORESCENT STRIP FIXTURE FIXTURE TYPE LED OR FLUORESCENT FIXTURE, RECESSED, PENDANT OR SURFACE CEILING LOWER CASE LETTER INDICATES CONTROLLING SWITCH CIRCUIT NUMBER	
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ELECTRICAL SYMBOL LEGEND

FIRE ALARM / DETECTION SYSTEM

SXMBOL	DESCRIPTION
LEGACY	
F F	MANUAL PULL STATION
s 🔀	CEILING SMOKE DETECTOR, PHOTOELECTRIC TYPE UNLESS OTHERWISE NOTED E = ELEVATOR WITH RECALL CONTACTS I = IONIZATION
š 🕅	DUCT SMOKE DETECTOR R = RETURN S = SUPPLY
(S) _{₽R} −B _R	BEAM SMOKE DETECTOR BR OR R = BEAM DETECTOR RECEIVER BT OR T = BEAM DETECTOR TRANSMITTER
(H)	HEAT DETECTOR 135°F FIXED TEMPERATURE, UNLESS OTHERWISE NOTED, CEILING MOUNTED
R R X -®	SUPERVISED ADDRESSABLE FIRE ALARM CONTROL RELAY DUCT SMOKE DETECTOR REMOTE TEST SWITCH WITH INDICATING LAMP, WALL MOUNTED AT 48" AFF, UNLESS OTHERWISE NOTED
XXCD XXCD	COMBINATION <u>SPEAKER/STROBE</u> , WALL MOUNTED, 75CD UNLESS OTHERWISE NOTED CD = CANDELA RATING
ĘK H∎	HORN ONLY, WALL MOUNTED
	STROBE, CEILING MOUNTED, 75 CD UNLESS OTHERWISE NOTED CD = CANDELA RATING
	COMBINATION <u>SPEAKER/STROBE</u> , CEILING MOUNTED, 75CD UNLESS OTHERWISE NOTED CD = CANDELA RATING
S◀ §§	SPEAKER ONLY, CEILING MOUNTED
S - -89	SPEAKER ONLY, WALL MOUNTED
⊢X -Ē	STROBE, WALL MOUNTED, 75CD UNLESS OTHERWISE NOTED
C – P	FIREMAN'S PHONE JACK
VS TS	SPRINKLER TAMPER SWITCH CONNECTION
WS FS	SPRINKLER WATERFLOW SWITCH CONNECTION
PS PS	PRESSURE SWITCH CONNECTION
рн Η	ELECTROMAGNETIC DOOR HOLD OPEN DEVICE
ACP FACP ATC FATC FAA FAA WAC EVAC MNS MNS AACT DACT	FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET FIRE ALARM ANNUNCIATOR PANEL - FLUSH MOUNTED VOICE EVACUATION PANEL MASS NOTIFICATION SYSTEM PANEL MASS NOTIFICATION SYSTEM PANEL

ABBREVIATIONS

A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT
ABV CLG	ABOVE CEILING
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AMP	AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASA	AMERICAN STANDARDS ASSOCIATION
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GUAGE
BC	BARE COPPER
BIL	BASIC IMPULSE LEVEL
BAS	BUILDING AUTOMATION SYSTEM
BMS	BUILDING MANAGEMENT SYSTEM
BRKR OR BKR	
С	CONDUIT OR RACEWAY
CAB	CABINET
CKT	CIRCUIT
CB	CIRCUIT BREAKER
CBM	CERTIFIED BALLAST MANUFACTURERS
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CLEC	CLOCK EQUIPMENT CABINET
CLG	CEILING
CO	CONDUIT OR RACEWAY ONLY
COAX	COAXIAL CABLE
COND	CONDUCTOR
CONN	CONNECTION
CPU	CENTRAL PROCESSING UNIT
CRT	CATHODE RAY TERMINAL (VIDEO DISPLAY TERMINAL)
CT	CURRENT TRANSFORMER
CU	COPPER
CW	COLD WATER
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DF	DEMAND FACTOR
DISC	DISCONNECT
DISC SW	DISCONNECT SWITCH
DO	DRAW OUT
DN	DOWN
DPST	DOUBLE POLE SINGLE THROW
EDH	ELECTRIC DUCT HEATER
EMT	ELECTRIC METALLIC TUBING
EO	ELECTRICALLY OPERATED
EOL	END OF LINE
EOR	
ETR	ENGINEER OF RECORD
EWC	
	EXISTING TO REMAIN
	EXISTING TO REMAIN ELECTRIC WATER COOLER
FA	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM
FA FAAP	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL
FA FAAP FATC	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET
FA FAAP FATC FBC	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE
FA FAAP FATC FBC FCU	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT
FA FAAP FATC FBC FCU FLA	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES
FA FAAP FATC FBC FCU FLA FM	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL
FA FAAP FATC FBC FCU FLA FM FPU	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT
FA FAAP FATC FBC FCU FLA FM	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL
FA FAAP FATC FBC FCU FLA FM FPU	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT
FA FAAP FATC FBC FCU FLA FM FPU FT	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET
FA FAAP FATC FBC FCU FLA FM FPU FT GF	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFCI	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFCI GFR	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFCI GFR GND, G	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY GROUND
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFA GFCI GFR GND, G HP	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY GROUND HORSEPOWER
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFA GFCI GFR GND, G HP HOA	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY GROUND HORSEPOWER HAND-OFF-AUTOMATIC
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFCI GFR GFCI GFR GND, G HP HOA HORIZ	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY GROUND HORSEPOWER HAND-OFF-AUTOMATIC HORIZONTAL
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFCI GFR GFCI GFR GND, G HP HOA HORIZ IBC	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY GROUND HORSEPOWER HAND-OFF-AUTOMATIC HORIZONTAL INTERNATIONAL BUILDING CODE
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFCI GFR GFCI GFR GFCI GFR GND, G HP HOA HORIZ IBC IC	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY GROUND HORSEPOWER HAND-OFF-AUTOMATIC HORIZONTAL INTERNATIONAL BUILDING CODE INTERCOM
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFCI GFR GFCI GFR GFCI GFR GND, G HP HOA HORIZ IBC IC	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY GROUND HORSEPOWER HAND-OFF-AUTOMATIC HORIZONTAL INTERNATIONAL BUILDING CODE INTERCOM INTENSIVE CARE UNIT
FA FAAP FATC FBC FCU FLA FM FPU FT GF GFA GFCI GFR GFCI GFR GFCI GFR GND, G HP HOA HORIZ IBC IC	EXISTING TO REMAIN ELECTRIC WATER COOLER FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM TERMINAL CABINET FLORIDA BUILDING CODE FAN COIL UNIT FULL LOAD AMPERES FACTORY MUTUAL FAN POWERED UNIT FEET GROUND FAULT GROUND FAULT ALARM GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY GROUND HORSEPOWER HAND-OFF-AUTOMATIC HORIZONTAL INTERNATIONAL BUILDING CODE INTERCOM

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

ABBREVIATIONS (CONT.)

IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IES	ILLUMINATING ENGINEERING SOCIETY
IMC	INTERMEDIATE METAL CONDUIT
IN	INCHES
IPCEA	INSULATED POWER CABLE ENGINEERS ASSOCIATION
IT	INSTANTANEOUS TRIP
JB OR J-BOX	JUNCTION BOX
KCMIL	ONE THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
KWH	KILOWATT HOURS
LBS	POUNDS
LED	LIGHT EMITTING DIODE
LP	LIGHTNING PROTECTION
LT	LIGHT
LTG	LIGHTING
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
LSIA	LONG TIME, SHORT TIME, INSTANTANEOUS, ALARM
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN SERVICE DISTRIBUTION PANEL
MIC	MICROPHONE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAIN LOGS ONET
MSB	MAXIMUM OVERCORRENT PROTECTION MAIN SERVICE SWITCHBOARD
MTD	MOUNTED
MTG	MOUNTING
MTR	
MTS	MANUAL TRANSFER SWITCH
MUX	MULTIPLEX (TRANSPONDER) PANEL
MVA	MEGA VOLT AMPS
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NF	NON-FUSED
NL	NON-LINEAR
NO	NORMALLY OPEN OR NUMBER
OL	OVERLOAD
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
Р	POLE
PB	PULLBOX
PF	POWER FACTOR
PIV	POST INDICATOR VALVE
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYLCHLORIDE
PWR	POWER
REC, RECEPT	RECEPTACLE
REF	REFRIGERATOR
RGS, GRC	RIGID GALVANIZED STEEL CONDUIT
RLA	RUNNING LOAD AMPERES
RMS	ROOT-MEAN-SQUARE
RPM	REVOLUTIONS PER MINUTE
RTU	
SCA	SHORT CIRCUIT AMPERES
SD	SMOKE DETECTOR
SEC	SECONDARY
S/N	
SPD	SURGE PROTECTIVE DEVICE
SPKR	
SPST	SINGLE POLE SINGLE THROW
SS	STAINLESS STEEL
SST	SOLID STATE TRIP
STD	SHORT TIME TRIP
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TEL	TELEPHONE
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TVEC	TELEVISION EQUIPMENT CABINET
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UL	UNDERWRITERS LABORATORIES
UTIL	UTILITY
V	VOLT
VA	VOLTAMPERE
VAR	VOLT AMPERE REACTIVE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WP	WEATHER PROOF
XFMR	TRANSFORMER
XFR	TRANSFER

ELECTRICAL DRAWING INDEX

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302 Magnolia Avenue Fairhope, AL 36532 p 251.929.0514

FOR ECOTOURISM & SUSTAINABILITY GATHERING HUB PACKAGE GULF SHORES, ALABAMA CENTER S T S **AO** \bigcirc Ш GULI . Ž JOB

19-028.000 PROJECT STATUS

CONFORMANCE SET

DATE

MARCH 24, 2023 SHEETELECTRICAL LEGEND,

ABBREVIATIONS,

EG000

ELECTRICAL GENERAL NOTES

GENERAL:

- THE DRAWINGS AND APPLICABLE SPECIFICATIONS SHALL BE CONSIDERED SUPPLEMENTARY, ONE TO THE OTHER AND ARE CONSIDERED THE "CONTRACT DOCUMENTS". ALL WORKMANSHIP, METHODS AND/OR MATERIALS DESCRIBED OR IMPLIED BY ONE AND NOT DESCRIBED OR IMPLIED BY THE OTHER SHALL BE PROVIDED, FURNISHED OR PERFORMED AS IF IT HAD APPEARED IN BOTH SECTIONS. THE TERM "CONTRACT DOCUMENTS" DESCRIBED HEREIN IS NOT LIMITED SOLELY TO THE ELECTRICAL PORTION OF THE DRAWINGS AND SPECIFICATIONS, BUT ENCOMPASSES THE DRAWINGS AND SPECIFICATIONS OF ALL DIVISIONS AS A WHOLE.
- 2. PROVIDE AN OPERATING AND MAINTENANCE MANUAL TO OWNER PRIOR TO THE FINAL ACCEPTANCE. THE MANUAL SHALL INCLUDE, AS A MINIMUM, (1) SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. ALSO PROVIDE TWO OPERATIONS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS AND METHOD OF OPERATION FOR EQUIPMENT SHALL BE CLEARLY IDENTIFIED, AND THE NAME, PHONE NUMBER AND ADDRESS OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- INCLUDE ALL COSTS FOR EXCAVATION, SAW CUTTING, DIRECTIONAL BORING, CORE DRILLING, BACKFILLING, SURFACE RESTORATION, REPAIR OF FINISHES, ETC. THAT IS REQUIRED IN ORDER TO MEET THE PROJECT REQUIREMENTS.
- INCLUDE IN BID ALL COSTS ASSOCIATED WITH TEMPORARY ELECTRICAL SERVICE AS REQUIRED FOR USE BY ALL TRADES DURING CONSTRUCTION. REMOVE TEMPORARY POWER AT THE COMPLETION OF THE PROJECT. OBTAIN AND PAY FOR ALL REQUIRED PERMITS FOR TEMPORARY POWER. ENGINEER OF RECORD SHALL BE PROVIDED WITH ADDITIONAL COMPENSATION FROM THE CONTRACTOR WHERE SIGNED & SEALED DRAWINGS ARE REQUESTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD IF REQUIRED BY THE AHJ FOR THE TEMPORARY POWER.
 PROVIDE A COMPLETE UL LISTED LIGHTNING PROTECTION SYSTEM WITH A MASTER LABEL FOR
- THE ENTIRE FACILITY PER THE REQUIREMENTS OF NFPA 780, AND THE DIVISION 26 SPECIFICATIONS, UNLESS NOTED OTHERWISE. LIGHTNING PROTECTION SYSTEM SHALL INCLUDE BURIED COUNTERPOISE, UNLESS NOTED OTHERWISE.
- LOCATE, IDENTIFY, PROTECT AND DOCUMENT ALL UTILITY LINES LOCATED WITHIN THE PROJECT BOUNDARY. FOR LOCATING SITE UTILITIES, CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT LEAST 48 HOURS IN ADVANCE PRIOR TO DIGGING, AT 1-800-432-4770.
- 7. INCLUDE IN BID THE TRANSPORT AND DISPOSAL OR RECYLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL RULES, REGULATIONS AND GUIDELINES APPLICABLE. COMPLY FULLY WITH FLORIDA STATUTES REGARDING MERCURY-CONTAINING DEVICES, AND WITH ALL DEP AND EPA APPLICABLE GUIDELINES AT THE TIME OF DISPOSAL. PROVIDE OWNER WITH WRITTEN CERTIFICATION OF ACCEPTED DISPOSAL. <u>COORDINATION</u>:
- VERIFY AND COORDINATE LOCATIONS OF ANY MISCELLANEOUS EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS (I.E., COPIERS, FAX MACHINES, PRINTERS, KITCHEN APPLIANCES, LAUNDRY APPLIANCES, PROJECTION SCREENS, SHOP TOOLS, MACHINE, ELEVATORS, ETC.) WITH APPROVED SHOP DRAWINGS, OWNER-PROVIDED CUT SHEETS, MANUFACTURER'S INSTRUCTIONS, AND EQUIPMENT NAMEPLATE INFORMATION, PRIOR TO ROUGH IN, AND PROVIDE ALL NECESSARY FLECTRICAL REQUIRED.
- VERIFY AND COORDINATE LOCATIONS AND EXACT ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT PRIOR TO SUBMITTAL OF SHOP DRAWINGS OF ELECTRICAL EQUIPMENT. PROVIDE ALL NECESSARY RACEWAYS, CONDUCTORS, BOXES, EQUIPMENT, ACCESSORIES, ASSOCIATED DISCONNECT SWITCHES, CIRCUIT BREAKERS, CONTROL TRANSFORMERS, FIRE ALARM SHUTDOWN, ETC. REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH APPROPRIATE TRADE'S APPROVED SHOP DRAWINGS, MANUFACTURER'S INSTRUCTIONS, AND EQUIPMENT NAMEPLATE INFORMATION, PRIOR TO ROUGH
- IN, AND PROVIDE ALL NECESSARY ELECTRICAL REQUIRED, UNLESS OTHERWISE NOTED.
 THIS PROJECT REQUIRES COORDINATION DRAWINGS BY THE CONTRACTOR. PARTICIPATE IN THE COORDINATION DRAWING PREPARATION PROCESS AND PROVIDE ALL NECESSARY INFORMATION REQUIRED TO COORDINATE ALL TRADE INFORMATION.
- 4. ALL WORK ON THE ELECTRICAL SYSTEM REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE COORDINATED WITH THE WORK OF ALL OTHER DIVISIONS/TRADES PRIOR TO COMMENCEMENT OF WORK. AVOID INTERFERENCES WITH THE PROGRESS OF OTHER DIVISIONS/TRADES.
- WHERE STRUCTURAL WALLS ARE OF TILT-UP CONSTRUCTION, PROVIDE COORDINATION FOR EXACT DIMENSIONS AND OPENINGS REQUIRED FOR ALL ELECTRICAL COMPONENTS INSTALLED WITHIN TILT-UP WALLS DURING THE SHOP DRAWING REVIEW PROCESS OF THE TILT-UP WALLS, PRIOR TO MANUFACTURE OF THE TILT-UP WALLS.
- 6. LOCATIONS OF VFD'S, DISCONNECTS, MOTOR STARTERS, ETC. FOR HVAC EQUIPMENT ARE DIAGRAMMATIC ON THE PLAN DRAWINGS. EXACT LOCATIONS ARE TO BE COORDINATED WITH CONTRACTOR'S COORDINATION DRAWINGS PRIOR TO ROUGHING IN TO ENSURE PROPER NEC CLEARANCES AND APPROPRIATE MOUNTING SURFACE.
- 7. COORDINATE RECEPTACLE LOCATIONS WITH TECHNOLOGY DRAWINGS OR OWNER'S VENDOR DRAWINGS SO THAT A 120V 20A 5-20R RECEPTACLE IS LOCATED ADJACENT TO EACH VOICE/DATA OUTLET AND TV OUTLET INDICATED ON PLANS. RECEPTACLE IS TO BE CONNECTED TO NEAREST 120V RECEPTACLE CIRCUIT, UNLESS OTHERWISE NOTED ON PLANS. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, CIVIL, LANDSCAPE, INTERIOR DESIGN, TECHNOLOGY, STRUCTURAL, AND KITCHEN EQUIPMENT DRAWINGS FOR RELATED INFORMATION AND ADDITIONAL INSTALLATION REQUIREMENTS TO BE PERFORMED AS
- PART OF THE WORK.
 8. WHERE A DISCREPANCY OR CONFLICT IS FOUND BETWEEN ONE DRAWING AND ANOTHER, OR BETWEEN A DRAWING AND APPLICABLE SPECIFICATIONS, NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IN WRITTEN FORM. IN GENERAL, THE MOST STRINGENT REQUIREMENT SHALL GOVERN UNLESS THE DISCREPANCY CONFLICTS WITH APPLICABLE CODES OR OWNER'S DESIGN STANDARDS, WHEREIN THE CODE OR OWNER'S DESIGN STANDARDS SHALL GOVERN.
- 9. CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND/OR SITE AFFECTED BY THIS WORK PRIOR TO SUBMITTAL BID PRICE, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT MAY AFFECT EXECUTION OF THE WORK. SUBMISSION OF A BID PRICE SHALL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT AND/OR MATERIALS REQUIRED DUE TO DIFFICULTIES ENCOUNTERED THAT COULD HAVE BEEN REASONABLY OBSERVED WILL NOT BE RECOGNIZED.
- 10. COORDINATE ALL PROJECT SCHEDULING AND PHASING REQUIREMENTS WITH ARCHITECT/ENGINEER AND OWNER PRIOR TO SUBMITTING BID PRICE. THIS PROJECT MAY REQUIRE PHASING SEQUENCES AND POTENTIAL PREMIUM TIME WORK AND ALL COSTS FOR SUCH SHALL BE INCLUDED IN THE BID PRICE. PROVIDE ADEQUATE WORK FORCE AND EQUIPMENT, AND INCLUDE PREMIUM TIME AS MAY BE REQUIRED IN ORDER TO ADHERE TO THE PROJECT SCHEDULE. ADDITIONALLY, ENSURE THAT LONG LEAD ITEMS DO NOT IMPACT THE PROJECT'S SCHEDULE OR PHASING.
- 11. ANY TEMPORARY INTERRUPTION ON POWER REQUIRED FOR THE SYSTEM TIE-IN OR SWITCHOVER FOR ANY PORTION OF THE ELECTRICAL SYSTEM SHALL BE PRE-APPROVED IN WRITING BY THE OWNER AND SCHEDULED IN ADVANCE.
- 12. COORDINATE EXACT REQUIREMENTS WITH THE LOCAL UTILITY COMPANIES AND PROVIDERS (ELECTRIC, TELEPHONE, CABLE TV, ETC.) AND INCLUDE ALL COSTS FOR PROVIDING TEMPORARY AND PERMANENT SERVICES REQUIRED FOR THIS PROJECT IN THE BID PRICE. BID PRICE SHALL INCLUDE, BUT NOT BE LIMITED TO, EXCAVATION, RACEWAYS, BACKFILL, EQUIPMENT, EQUIPMENT PADS, BACKBOARDS, METERS, GROUNDING, UTILITY ENGINEERING AND IMPACT FEES.
- 13. CONDUCT WORK OPERATIONS AND DEBRIS REMOVAL IN A MANNER THAT ENSURES MINIMUM INTERFERENCE WITH NORMAL BUSINESS OPERATIONS, TRAFFIC, PARKING, ETC. ONGOING IN ADJACENT OCCUPIED SPACES OR FACILITIES. PROVIDE ALL THAT IS REQUIRED TO EFFECTIVELY PROTECT SURROUNDING OCCUPANTS, EQUIPMENT, FINISHES, FURNITURE, ETC. FROM DAMAGE OR EXCESSIVE NOISE THROUGHOUT THE DURATION OF THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR ANY LOSSES OR DAMAGE. ANY DAMAGE RESULTING FROM THE FAILURE TO ADHERE TO THIS REQUIREMENT. RESTORE DAMAGED ELEMENTS TO ORIGINAL CONDITION BY THE CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT/ENGINEER AND OWNER, AT NO ADDITIONAL COSTS. REPORT OF ANY SUCH OCCURRENCE TO THE ARCHITECT/ENGINEER AND OWNER IMMEDIATELY AND AWAIT WRITTEN DIRECTION PRIOR TO PROCEEDING WITH REPAIRS.
- 14. COORDINATE THE LOCATION OF ALL LIGHT FIXTURES, DEVICES AND BOXES WITH WINDOWS, MIRRORS, MILLWORK, CABINETS, GLASS CURTAIN WALLS, AND GLASS WALLS PRIOR TO INSTALLATION OF CONDUITS OR BOXES. REVIEW ALL CONTRACT DRAWINGS TO ASCERTAIN ANY CONFLICTS PRIOR TO BIDDING. OBTAIN CLARIFICATION FROM A/E PRIOR TO BID. CONTRACTOR SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION FOR WORK REQUIRED TO RELOCATE OUTLET BOXES OR RACEWAYS FOR COORDINATION WITH OTHER TRADE'S WORK. <u>ELECTRICAL EQUIPMENT</u>:
- 1. EQUIPMENT SHALL BE OF MATERIALS SUITABLE FOR AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED. ALL COMPONENTS OF THE ELECTRICAL SYSTEM LOCATED OUTDOORS OR INDOORS WHERE EXPOSED TO SIGNIFICANT MOISTURE SHALL BE WEATHERPROOF, NEMA 3R, AS A MINIMUM, WHETHER INDICATED ON THE CONTRACT DRAWINGS OR NOT.
- TERMINATION PROVISIONS FOR ALL ELECTRICAL EQUIPMENT (PANELBOARDS, SWITCHBOARD, TRANSFORMERS, DISCONNECT SWITCHES, MOTOR CONTROLLERS, AUTOMATIC TRANSFER SWITCHES, ENCLOSED CIRCUIT BREAKERS, WIREWAYS, ETC.) SHALL BE LISTED AND IDENTIFIED FOR USE WITH MINIMUM 75 DEG. F CONDUCTORS IN ACCORDANCE WITH NEC.
 MODIVING OF FADALISES FOR FLOOTEDIAL FOLIDIMENT OF ALL DE IN COMPLIANCE WITH NEC.
- WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT SHALL BE IN COMPLIANCE WITH NEC.
 THE EXCLUSIVELY DEDICATED SPACE EXTENDING FROM FLOOR TO 6' ABOVE EQUIPMENT OR STRUCTURAL CEILING, WHICHEVER DISTANCE IS LOWER, WITH A WIDTH AND DEPTH OF THE PANELBOARD OR SWITCHBOARD MUST BE CLEAR OF ALL PIPING, DUCTS, EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES IN ACCORDANCE WITH NEC.
- 5. PROVIDE A REINFORCED CONCRETE PAD, SIZED 4" LARGER IN ALL DIRECTIONS THAN THE FOOTPRINT OF THE EQUIPMENT, AND 4" HIGH, FOR ALL FREESTANDING, FLOOR-MOUNTED ELECTRICAL EQUIPMENT. PROVIDE VIBRATION ISOLATORS AND/OR ANCHORS PER MANUFACTURER'S INSTRUCTIONS.

- PROVIDE HACR RATED CIRCUIT BREAKER FOR ALL HVAC EQUIPMENT.
- PROVIDE AFCI PROTECTION TO COMPLY WITH NEC IN ALL GUEST ROOMS AND GU WITH PROVISIONS FOR COOKING, IN ALL DWELLING UNITS, APARTMENTS AND CO
 ALL PANELBOARDS OR DISCONNECT SWITCHES LOCATED IN KITCHEN AREAS SHA
- STAINLESS STEEL (COVER AND DOOR WHERE PANEL IS FLUSH MOUNTED, PANEL DOOR WHERE SURFACE MOUNTED).
 PROVIDE SURGE PROTECTION DEVICE FOR ALL MAIN SERVICE EQUIPMENT, PANEL
- SERVING SENSITIVE ELECTRONIC EQUIPMENT (DATA RACKS) OR COMPUTERS, L SERVING EXTERIOR LIGHTING, POWER CIRCUITS OR LOW VOLTAGE (FIRE ALARM TELECOMMUNICATIONS) EXITING THE BUILDING. PROVIDE MINIMUM 30A/3P BREA PANELBOARDS AND 60A/3P DISTRIBUTION PANEL OR SWITCHBOARD, UNLESS OT OR PER THE SPD MANUFACTURER'S RECOMMENDATIONS FOR SURGE PROTECT
- CONTRACTOR IS TO SUBMIT FOR APPROVAL TO THE ENGINEER OF RECORD FINA SETTINGS REQUIRED FOR MAIN CIRCUIT BREAKER AND ALL DOWNSTREAM ADJU OVERCURRENT PROTECTIVE DEVICES, BASED ON SELECTED EQUIPMENT MANUI

IDENTIFICATION:

- 1. PROVIDE TYPED PANEL DIRECTORIES FOR ALL NEW PANELBOARDS, AND EXISTIN AFFECTED BY THIS PROJECT. DIRECTORIES SHALL REFLECT PROJECT AS- BUILT ALL BRANCH CIRCUITS. DIRECTORIES SHALL INCLUDE WHERE EACH PANEL IS FE ADDITIONALLY, EACH BRANCH CIRCUIT LOAD DESCRIPTION SHALL INCLUDE THE FOR EACH LOAD SERVICE (I.E., RECEPTACLES-RMS 501,503). ROOM NUMBERS SH ACTUAL ROOM SIGNAGE INSTALLED IN FIELD. COORDINATE EXACT ROOM NUMBER
- OWNER PRIOR TO COMPLETION OF PANEL DIRECTORIES.
 PROVIDE ENGRAVED PLASTIC LAMINATE NAME TAGS ON EACH SWITCHBOARD, S DISTRIBUTION PANEL, PANELBOARD, MOTOR CONTROL CENTER, SAFETY SWITCH CIRCUIT BREAKER, CABINET, STEP-DOWN TRANSFORMER, TRANSFER SWITCH, E OTHER MAJOR COMPONENT OF THE ELECTRICAL SYSTEM.
- PROVIDE ENGRAVED PLASTIC LAMINATE NAME TAGS FOR EACH DISTRIBUTION B BRANCH CIRCUIT BREAKER IN SWITCHGEAR, SWITCHBOARDS, MOTOR CONTROL OTHER DISTRIBUTION EQUIPMENT. NAME TAG SHALL INCLUDE LOAD DESCRIPTIC NUMBER FOR EACH LOAD SERVICE.
- . ARC FLASH DANGER/WARNING LABELS SHALL BE APPLIED TO SWITCHBOARD, P/ EQUIPMENT CONTROLLERS PER NEC.
- PROVIDE LABELS ON THE INSIDE OF EACH DEVICE COVERPLATE, IDENTIFYING TI CIRCUIT NUMBER(S) DEVICE IS CONNECTED TO.
 PROVIDE NEATLY, HANDWRITTEN IDENTIFICATION ON THE EXTERIOR COVER OF
- PROVIDE A PERMANENT SIGN ON THE MAIN ELECTRICAL ROOM DOOR TO THE BO THAT THE MAIN SERVICE DISCONNECTING MEANS IS LOCATED INSIDE.
 PROVIDE A PERMANENT LABEL ON ALL PANELBOARDS, SWITCHBOARDS, SWITCH
- PROVIDE A PERMANENT LABEL ON ALL PANELBOARDS, SWITCHBOARDS, SWITCH CONTROLS CENTERS AND DISTRIBUTION PANELS STATING "DO NOT WORK ON E ENERGIZED. LOCK-OUT TAG-OUT REQUIRED".
- 9. PROVIDE REQUIRED IDENTIFICATION PER ANSI STANDARDS, NEC REQUIREMENT PUBLISHED DESIGN STANDARDS WHERE APPLICABLE.

ELECTRICAL DEVICES, OUTLET BOXES, JUNCTION BOXES:

- LIGHT SWITCHES SHALL BE MOUNTED 48 INCHES ABOVE FINISHED FLOOR TO CE OF DEVICE, UNLESS OTHERWISE NOTED.
- RECEPTACLES, VOICE/DATA OUTLETS, WALL FURNITURE FEEDS SHALL BE MOUN INCHES ABOVE FINISHED FLOOR TO CENTER LINE OF DEVICE, UNLESS OTHERWI ABOVE COUNTER RECEPTACLES SHALL BE MOUNTED 6" ABOVE BACK SPLASH TO OF DEVICE, UNLESS OTHERWISE NOTED.
- WHEN ELECTRICAL BOXES ARE LOCATED IN VERTICAL FIRE-RESISTIVE ASSEMBL FIRE/SMOKE AND SMOKE PARTITIONS), THEY SHALL BE INSTALLED WITHOUT AFF CLASSIFICATION. ALL OF THE FOLLOWING CONDITIONS SHALL BE MET:
 - . ALL ELECTRICAL BOXES SHALL BE METALLIC.
- B. BOX OPENING SHALL OCCUR ONLY ON ONE SIDE OF FRAMING SPA
- C. BOX OPENING SHALL NOT EXCEED 16 SQUARE INCHES.
- D. ALL CLEARANCES BETWEEN OUTLET BOX AND GYPSUM BOARD SH FILLED WITH JOINT COMPOUND (OR OTHER APPROVED MATER
- E. PROVIDE A WALL AROUND OUTLETS LARGER THAN 16 SQUARE INC OF THE WALL RATING SHALL BE MAINTAINED.
- F. THE TOTAL AGGREGATE SURFACE AREA OF THE BOXES SHALL NO SQUARE INCHES PER 100 SQUARE FEET.
- G. OUTLET BOXES LOCATED ON OPPOSITE SIDES OF FIRE RESISTIVE
- BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCH
- H. OUTLET BOXES SHALL BE SECURELY FASTENED TO WALL FRAMING
- I. THE OPENING IN THE GYPSUM BOARD FACING SHALL BE CUT NOT BETWEEN THE EDGES OF THE OUTLET BOX AND THE EDGES O IT IS THE INTENT THAT ALL DEVICE OUTLET BOXES (POWER AND SYSTEMS) BE FI WALLS, CEILINGS OR FLOORS, AND JUNCTION BOXES FLUSH MOUNTED IN WALLS
- FLOORS, OR CONCEALED ABOVE ACCESSIBLE CEILINGS, AND NOT SURFACE MO SPECIFICALLY NOTED ON THE CONTRACT DRAWINGS, OR UNLESS A/E GRANTS V PERMISSION. ALL COMPONENTS OF THE ELECTRICAL SYSTEM (INCLUDE RACEWAYS, ELECTRIC
- OUTLET BOXES, JUNCTION BOXES, ETC.) LOCATED IN A HAZARDOUS (CLASSIFIEI SHALL BE APPROVED FOR USE IN SAID LOCATION, AS DEFINED BY THE NEC, WHE ON THE CONTRACT DOCUMENTS OR NOT. ALL DEVICES SHALL BE MOUNTED VERTICALLY, UNLESS OTHERWISE NOTED.
- ALL DEVICES SHALL BE MOUNTED VERTICALLY, UNLESS OTHERWISE NOTEL
- ALL RECEPTACLES SHALL BE MOUNTED SUCH THAT THE GROUND PIN IS MOUNT
 WHERE DEVICES ARE SHOWN IN WALLS BACK-TO-BACK ON OPPOSITE SIDES, INS
- THEY ARE SEPARATED BY AT LEAST 12".
 RECEPTACLES OR JUNCTION BOXES FOR ELECTRIC WATER COOLERS SHALL BE DIRECTLY BEHIND ELECTRIC WATER COOLER, CONCEALED FROM DIRECT VIEW.
 SHALL BE GFCI TYPE. JUNCTION BOXES FOR HARD-WIRED CONNECTION TO EWO
- CIRCUITED TO GFCI PROTECTED CIRCUIT BREAKER IN PANELBOARD.
 ALL EXTERIOR RECEPTACLES OR RECEPTACLES LOCATED IN AREAS SUBJECT T (PARKING GARAGE, WASHDOWN AREAS IN KITCHEN, ETC) SHALL BE GFCI TYPE.
- RECEPTACLES SHALL BE PROVIDED WITH CAST METAL, IN-USE COVER UNLESS N
 ALL RECEPTACLES LOCATED IN KITCHENS, BATHROOMS OR WITHIN 6' OF THE IN SINK, IN MECHANICAL ROOMS, JANITOR CLOSETS, ELEVATOR SHAFTS, ELEVATO
- AND ELEVATOR EQUIPMENT ROOMS SHALL BE GFCI TYPE OR GFCI PROTECTED.
 ALL RECEPTACLES LOCATED IN DAY CARES, PEDIATRIC CLINICS OR AREAS, AND AS REQUIRED BY NEC AND STATE OF FLORIDA REQUIREMENTS FOR EDUCATION SHALL BE TAMPERPROOF.
- RACEWAYS: FLEXIBLE METAL CONDUIT AND LIQUIDTIGHT METAL CONDUIT (FMC & LFMC) SHA IN LENGTHS THAT EXCEED 6'-0" UNLESS SPECIFICALLY NOTED OTHERWISE, OR U GRANTS WRITTEN PERMISSION.
- ALL FEEDER AND BRANCH CIRCUIT CONDUCTORS, INCLUDING LOW VOLTAGE SY INSTALLED IN A COMPLETE RACEWAY SYSTEM (CONDUIT) UNLESS SPECIFIED NO
- THE USE OF ELECTRICAL NON-METALLIC TUBING (ENT) AND LIQUIDTIGHT FLEXIB CONDUIT (LFNC) ARE PROHIBITED UNLESS SPECIFICALLY NOTED OTHERWISE, O OWNER GRANTS WRITTEN PERMISSION. CONNECTIONS TO TRANSFORMERS, AHU'S, AND PUMPS SHALL BE WITH LIGUIDT
- METAL CONDUIT. NO PVC CONDUIT MAY BE USED INSIDE OF BUILDING UNLESS ROUTED UNDERGR
- OTHERWISE NOTED. ALL CONDUIT TERMINATIONS AT TERMINAL BOARDS ARE TO HAVE GROUNDING
- ALL CONDUIT TERMINATIONS AT TERMINAL BOARDS ARE TO HAVE GROUNDING TO CONDUIT ENDS.
- ALL CONDUITS ARE TO BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CO EXPOSED CEILINGS, BUILDING EXTERIOR WALL RUNS). CONCEAL ALL CONDUITS / IN WALLS AND MILLWORK. WHERE EXISTING CONDITIONS DICTATE THAT CONDUI CONCEALED, NOTIFY ARCHITECT/ENGINEER PRIOR TO INSTALLING CONDUIT FOR ROUTING.
- SEAL ALL PENETRATIONS AND OPENINGS MADE DURING EXECUTION OF WORK II WALLS. WALLS SHALL BE SEALED WITH UL-APPROVED PRODUCT WITH THE SAME RATING OF WALL PENETRATED.

GUEST SUITES ONDOMINIUMS. HALL BE L BOX, COVER & IELBOARDS LIGHTING PANELS M, AKER IN THERWISE NOTED, TION DEVICE. HAL COORDINATED JSTABLE	10. 11. 12.	PROVIDE ALL PENETRATIONS THROUGH FLOORS, WALL, CEILINGS AND ROOFS WHERE REQUIRED. COORDIANTE LOCATIONS AND SIZES WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS, FIELD CONDITIONS AND WORK OF ALL OTHER DIVISIONS/TRADES. ALL OPENINGS ARE TO BE SEALED WATERTIGHT. ALL RACEWAYS THAT TURN UP INTO THE SLAB OR ELECTRICAL EQUIPMENT FROM UNDERGROUND SHALL BE RIGID GALVANIZED STEEL (RGS) WITH BITUMASTIC COATING FOR AT LEAST THE FINAL 18" IN LENGTH. THE USE OF NON-METALLIC CONDUIT ABOVE GRADE IS PROHIBITED. PANEL SCHEDULES AND FLOOR PLANS MAY INDICATE DEDICATED HOMERUNS FOR EACH BRANCH CIRCUIT. BRANCH CIRCUITS MAY BE GROUPED IN A COMMON HOMERUN WHERE THE HOMERUN DOES NOT EXCEED 3 PHASE CONDUCTORS, 3 NEUTRAL CONDUCTORS, AND 1 EQUIPMENT GROUND. THE HOMERUN RACEWAY SIZE AND CONDUCTOR SIZE SHALL BE INCREASED AS NECESSARY TO COMPLY WITH THE NEC FOR 40% MAXIMUM FILL AND DERATING REQUIREMENTS. IT IS THE INTENT THAT ALL RACEWAYS BE CONCEALED IN WALLS, ABOVE CEILINGS, IN SLAB, OR BELOW SLAB UNLESS SPECIFICALLY NOTED OTHERWISE, OR UNLESS A/E GRANTS WRITTEN PERMISSION. WHERE RACEWAYS ARE INSTALLED IN SLABS, THE MINIMUM SPACING, MAXIMUM	14. 15. 16. 17.	WHERE THERE PROVIDE INTE SHOWN WITH S OR UNLESS OT REFER TO LIGI NUMBERS AND THEREOF. COORDINATE I EACH LIGHTIN PROVIDE AS P. INDEPENDENT INCLUDING ALI PROGRAMMAE CONTROLS AR A. CONF
IFACTURER. NG PANELBOARDS T CONDITIONS FOR ED FROM. E ROOM NUMBER(S) HALL BE BASED ON	13. 14. 15.	RACEWAY SIZE, AND ANY OTHER STRUCTURAL LIMITATIONS SHALL BE COORDINATED WITH THE STRUCTURAL DRAWINGS AND THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION. PROVIDE SEAL OFF FITTINGS, APPROVED FOR SUCH USE, WHERE RACEWAYS PENETRATE BETWEEN A DRY, CONDITIONED ENVIRONMENT AND THE EXTERIOR OR WET ENVIRONMENTS SUCH AS WALK-IN COOLERS OR FREEZERS, KITCHEN WASH-DOWN AREAS, ETC. PROVIDE POLYOLEFIN JET-LINE #232 (NYLON PULL STRING) IN EACH EMPTY CONDUIT WITH ENGRAVED METAL TAG INDICATING CONDUIT DESIGNATION. MINIMUM RACEWAY SIZE SHALL BE 3/4" UNLESS NOTED OTHERWISE.		OCCUPANCY S B. CONF CONTROLS AR C. CONF CONTROLS REI SPECIFIED. <u>MISCELLANEO</u>
SWITCHGEAR, SWITCHGEAR, CH, ENCLOSED ETC., AND ANY BREAKER OR L CENTERS AND	16.	SET SCREW FITTINGS SHALL BE USED FOR EMT CONDUIT. <u>CONDUCTORS</u> : ALL WIRE SHALL BE SIZED AS SHOWN ON THE DRAWINGS. IF NO SIZE IS SHOWN, THEN WIRE SHALL BE #12 AWG, EXCEPT THAT BRANCH HOMERUNS OVER 100' IN LENGTH SHALL BE MINIMUM #10 AWG FOR 120/208 VOLT CIRCUITS, AND HOMERUNS OVER 200' IN LENGTH SHALL BE MINIMUM #10 AWG FOR 277/480 VOLT CIRCUITS. REFER TO BRANCH CIRCUIT VOLTAGE DROP TABLES BELOW. BRANCH CIRCUIT WIRING SHALL BE SIZED TO LIMIT THE VOLTAGE DROP TO 3% OF NOMINAL VOLTAGE OR LESS.	1. 2.	THE INFRASTR (CONDUITS, EL CCTV OR SECU AND CABLE FC AND ELECTRIC CCTV SYSTEM SIZES AND QU THE INFRASTR
ON AND ROOM ANELBOARDS, AND 'HE PANEL(S)/	2.	BRANCH CIRCUITS SHALL BE INCREASED IN SIZE AS REQUIRED TO COMPENSATE FOR VOLTAGE DROP FROM LENGTH OF CIRCUIT DUE TO FIELD ROUTING. FINAL INSTALLATION SHALL NOT EXCEED A MAXIMUM OF 3% VOLTAGE DROP FOR BRANCH CIRCUITS. REFER TO VOLTAGE DROP TABLE BELOW FOR CONDUCTOR SIZES FOR BRANCH CIRCUITS: 120V (BASED ON 1500W LOAD) MIN. CONDUCTOR SIZE CIRCUIT LENGTH INCREASE FOR VOLTAGE DROP	3.	ELECTRICAL B CONTRACTOR REQUIRED EQ BOXES SHALL CONTRACTOR QUANTITY, CO PROVIDE 120V
ALL JUNCTION BER(S) CONTAINED UILDING STATING HGEAR, MOTOR		0 FT - 70 FT #12 AWG 71 FT - 115 FT #10 AWG 116 FT - 180 FT #8 AWG 181 FEET AND LONGER: SUBMIT WIRE SIZE TO ENGINEER OF RECORD FOR WRITTEN APPROVAL. 277V (BASED ON 4155W LOAD) MIN. CONDUCTOR SIZE CIRCUIT LENGTH INCREASE FOR VOLTAGE DROP	3. 4.	POWER AND H RECEPTACLE I PROVIDE 120V PLANS, WHETH ARE TO BE PR AVAILABLE). M
ENTER LINE	3. 4.	0 FT - 140 FT #12 AWG 141 FT - 220 FT #10 AWG 221 FT - 350 FT #8 AWG ALL WIRE SIZES ARE BASED ON AMPACITIES FOR 75 DEG. F TEMPERATURE RATING LISTED IN NEC. ALL CONDUCTORS IN CABINETS MUST BE CAREFULLY FORMED AND HARNESSED SO THAT EACH CONDUCTOR DROPS OFF DIRECTLY OPPOSITE TO TERMINAL.	5. 6.	CIRCUIT (I.E., E PROVIDE PHO CIRCUIT ADJAG PROVIDE 120V UNIT UV LIGHT PROVIDED. CO
NTED 18 ISE NOTED. O CENTERLINE LIES, (CLASSIFIED AS FECTING THE FIRE	5. 6.	ALL CONDUCTORS SHALL BE COPPER, THHN/THWN, AND SOLID FOR #10 AWG AND SMALLER, AND STRANDED FOR #8 AWG AND LARGER. THE USE OF ALUMINUM CONDUCTORS, RACEWAYS, BOXES, BUSSING, WINDINGS, ETC. ARE PROHIBITED. ALL MATERIALS SHALL BE COPPER, UNLESS SPECIFICALLY NOTED OTHERWISE OR UNLESS A/E OR OWNER GRANTS WRITTEN PERMISSION. <u>GROUNDING</u> :	7. 8.	ACCESS CONT CIRCUITS UTIL ALWAYS ENER CONTROLS / E THE ELECTRIC ENSURE ALL S MECHANISM TI
ACE.	1. 2. 3.	FIRE PROTECTION PIPING SHALL NOT BE USED FOR GROUNDING. ALL FEEDERS AND BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR. METAL RACEWAYS SHALL NOT BE USED AS EQUIPMENT GROUND. WHERE A PHASE CONDUCTOR IS INCREASED IN SIZE DUE TO VOLTAGE DROP, THE EQUIPMENT GROUND CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY.		
IALL BE COMPLETELY RIAL). CHES. THE INTEGRITY	4.	PROVIDE A GROUND BUS BAR IN EACH ELECTRICAL ROOM AND TELECOMMUNICATIONS / IDF/ MDF ROOM FOR ALL NEW CONSTRUCTION AND NEW ROOMS IN EXISTING CONSTRUCTION, AND IN EXISTING CONSTRUCTION WHERE THERE IS NONE INSTALLED WITHIN AN EXISTING ROOM. LIGHTING:	1. 2.	ALL FIRE ALAR COMPATIBLE V ALL WIRING AN MINIMUM 300V 19 STRANDS.
DT EXCEED 100	1.	LIGHT FIXTURES SUPPORTED BY CEILING GRID SHALL BE SUPPORTED AS FOLLOWS: LIGHT FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE 12-GAUGE HANGER WIRE CONNECTED FROM THE LIGHT FIXTURE TO THE STRUCTURE ABOVE. LIGHT FIXTURES WEIGHING 10 POUNDS OR MORE SHALL HAVE (2) 12-GAUGE HANGER WIRES ATTACHED AT OPPOSITE CORNERS OF THE	3.	LOW VOLTAGE NFPA 72, AND CONDUCTORS SURVIVABILITY APPLIANCE CIF
ES. G MEMBERS. TO EXCEED 1/8 INCH OF THE OPENING. FLUSH MOUNTED IN S, CEILINGS, OR DUNTED, UNLESS WRITTEN CAL EQUIPMENT, D) LOCATION ETHER INDICATED TED UP. STALL SO THAT E LOCATED RECEPTACLES C SHALL BE TO MOISTURE ALL EXTERIOR NOTED OTHERWISE. ISIDE FACE OF A DR SUMP PUMP, O OTHER AREAS VAL FACILITIES ALL NOT BE USED UNLESS A/E (STEMS, SHALL BE OTED OTHERWISE. BLE NON-METALLIC DR UNLESS A/E OR TIGHT, FLEXIBLE	 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 	LIGHT FIXTURE TO THE STRUCTURE ABOVE. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES IN LAY-IN AND GYPBOARD CEILINGS WITH ARCHITECTURAL REFLECTED CEILING PLANS, AND WALL MOUNTED EXTERIOR AND INTERIOR LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION. WHERE THE QUANTITY OF LIGHTS DIFFERS BETWEEN THE ARCHITECTURAL RCP AND THE ELECTRICAL LIGHTING PLANS, PROVIDE THE HIGHEST QUANTITY OF FIXTURES IN THE BID PRICE. THE DISCREPANCY IN QUANTITY SHALL BE BROUGHT TO THE ATTENTION OF THE A/E. THE HIGHEST QUANTITY SHALL BE CROUITED TO THE LOCAL ROOM OR AREA LIGHTING CIRCUITS AND LIGHTING CONTROL DEVICES, UNLESS OTHERWISE DIRECTED IN WRITING BY THE ARCHITECTENGINEER. VERIFY ACTUAL CEILING CONSTRUCTION TYPE AS DEFINED ON THE ARCHITECTURAL DRAWINGS AND THERWISE DIRECTED IN WRITING BY THE ARCHITECTURANING DEVICES WHETHER OR NOT SUCH VARIATIONS ARE INDICATED BY THE LIGHT FIXTURE CATALOG NUMBER. VERIFY THE DEPTH OF ALL RECESSED LIGHT FIXTURES WITH THE ACCHITECTURAL DRAWINGS PRIOR TO ORDERING LIGHT FIXTURES. ANY DISCREPANCIES THAT WOULD CAUSE THE RECESSED LIGHT FIXTURES NOT TO FIT INTO CEILING SHALL BE REPORTED TO ARCHITECTURGINEER PRIOR TO ORDERING LIGHT FIXTURES. ANY DISCREPANCIES THAT WOULD CAUSE THE RECESSED LIGHT FIXTURES NOT TO FIT INTO CEILING SHALL BE REPORTED TO ARCHITECTURGINEER PRIOR TO ORDERING LIGHT FIXTURES. ANY DISCREPANCIES THAT MOULD CAUSE THE RECESSED LIGHT FIXTURES NOT TO FIT INTO CEILING SHALL BE REPORTED TO ARCHITECTURGINEER PRIOR TO ORDERING LIGHT FIXTURES. MODIFY ALL LIGHT FIXTURES WITH A FIRE RATING EQUILA TO THAT OF THE CEILING, PROVIDE A MINIMUM OF 3° CLEARANCE FROM SIDES AND TOP OF RECESSED LIGHT FIXTURES. MODIFY ALL LIGHT FIXTURES WITH A FIRE RATING EQUIRED BY THE CEILING IN WHICH EACH FIXTURES WITH THE EXACT FIXTURE MOUNTING AND TRIM REQUIRED BY THE CEILING IN WHICH EACH FIXTURES WITH THE LIGHTING BRANCH CIRCUIT YOLTAGES INDICATED WITH UNSWITCHED CIRCUIT (NIGHTLIGHT NL), EMERGENCY WIN-HEAD FIXTURES INDICATED WITH UNSWITCHED CIRCUIT (NIGHTLIGHT NL), EMERGENCY WIN-HEAD FIXTURES INDICATED W	 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 	NOTIFICATION UNTIL THE POI MANUAL PULL THAN 48" TO H PROVIDE MINI LAST DEVICE T PROVIDE FIRE WITHIN 5' OF A ON ELECTRICA FIRE ALARM C EQUIPMENT G ARTICLE 760 C PANEL NEUTR LIFE SAFETY E SECONDARY E FIRE ALARM C FOR A MINIMU ALARM OPERA ALL FIRE ALAR SHALL BE RED POSITION), MA A SUPERVISOF FAILURE OR R SIGNAL. A CERTIFICATI THE FIRE ALAR MINIMUM CANI RATING. PROV VISIBLE TO EA ALL STROBES STROBES SHA STROBES SHA STROBES SHA STROBES SHA SPEAKER/STR IN AREAS OPE BACKBOXES. SMOKE DETECT
ES. G MEMBERS. TO EXCEED 1/8 INCH OF THE OPENING. FLUSH MOUNTED IN S, CEILINGS, OR DUNTED, UNLESS WRITTEN CAL EQUIPMENT, D) LOCATION ETHER INDICATED TED UP. STALL SO THAT E LOCATED RECEPTACLES C SHALL BE TO MOISTURE ALL EXTERIOR NOTED OTHERWISE. ISIDE FACE OF A OR SUMP PUMP, O THER AREAS VAL FACILITIES ALL NOT BE USED UNLESS A/E (STEMS, SHALL BE OTED OTHERWISE. BLE NON-METALLIC OR UNLESS A/E OR	 3. 4. 5. 6. 7. 8. 9. 10. 11. 	LIGHT FIXTURE TO THE STRUCTURE ABOVE. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES IN LAY-IN AND GYPDARD CEILINGS WITH ARCHITECTURAL REFLECTED CELING PLANS, AND WALL MOUNTED EXTERIOR AND INTERIOR LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION. WHERE THE QUANTITY OF LIGHTS DIFFERS BETWEEN THE ARCHITECTURAL RCP AND THE ELECTRICAL LIGHTING PLANS, PROVIDE THE HIGHEST QUANTITY OF FIXTURES IN THE BID PRICE. THE DISCREPANCY IN QUANTITY SHALL BE BROUGHT TO THE ATTENTION OF THE A/E. THE HIGHEST QUANTITY SHALL BE CIRCUITED TO THE LOCAL ROOM OR AREA LIGHTING CIRCUITS AND LIGHTING CONTROL DEVICES, UNLESS OTHERWISE DIRECTED IN WRITING BY THE ARCHITECT/ENGINEER. VERIFY ACTUAL CEILING CONSTRUCTION TYPE AS DEFINED ON THE ARCHITECTURAL DRAWINGS AND FURNISH ALL LIGHT FIXTURES WITH THE CORRECT MOUNTING DEVICES WHETHER OR NOT SUCH VARIATIONS ARE INDICATED BY THE LIGHT FIXTURE CATALOG NUMBER. VERIFY THE DEPTH OF ALL RECESSED LIGHT FIXTURES WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ORDERING LIGHT FIXTURES. ANY DISCREPANCIES THAT WOULD CAUSE THE RECESSED LIGHT FIXTURES NOT TO FIT INTO CEILING SHALL BE REPORTED TO ARCHITECT/ENGINEER PRIOR TO ORDERING LIGHT FIXTURES. UGHT FIXTURES RECESSED IN FIRE-RATED CEILINGS SHALL BE PROVIDED WITH APPROVED FIRE-RATED ENCLOSURE WITH A FIRE RATING EQUAL TO THAT OF THE CEILING. PROVIDE A MINIMUM OF 3° CLEARANCE FROM SIDES AND TOP OF RECESSED LIGHT FIXTURES. MODIFY ALL LIGHT FIXTURE CATALOG NUMBERS AS REQUIRED TO COORDINATE WITH THE EXACT FIXTURE MOUNTING AND TRIM REQUIRED BY THE CEILING IN WHICH EACH FIXTURE IS BEING INSTALLED. ALL LIGHT FIXTURES SHALL BE PROVIDED COMPLETE WITH LAMPS, UNLESS OTHERWISE NOTED. ALL EXIT LIGHTS, LIGHT FIXTURES INDICATED WITH UNSWITCHED CIRCUIT (NIGHTLIGHT NL), EMERGENCY TWINHEAD FIXTURES WITH INTEGRAL BATTERY PACKS, AND BATTERY PACKS INTEGRAL TO LIGHT FIXTURES SHALL BE PROVIDED COMPLETE WITH LAMPS, UNLESS OTHERWISE NOTED. ALL LIGHT FIXTURES SHALL BE PROVIDED COMPLETE WITH LAMPS, UNLESS OTHERWISE NOTED. ALL LIGHT FIXTURES SHALL BE PROVIDED COMPLETE WITH	 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 	UNTIL THE PC MANUAL PULL THAN 48" TO F PROVIDE MIN LAST DEVICE PROVIDE FIRE WITHIN 5' OF J ON ELECTRIC FIRE ALARM O EQUIPMENT O ARTICLE 760 O PANEL NEUTF LIFE SAFETY SECONDARY I FIRE ALARM O FOR A MINIMU ALARM OPER ALL FIRE ALAN SHALL BE RED POSITION), MJ A SUPERVISO FAILURE OR F SIGNAL. A CERTIFICAT THE FIRE ALA MINIMUM CAN RATING. PROV VISIBLE TO EJ ALL STROBES STROBES SHJ STROBES SHJ STROBES SHJ STROBES SHJ STROBES SHJ

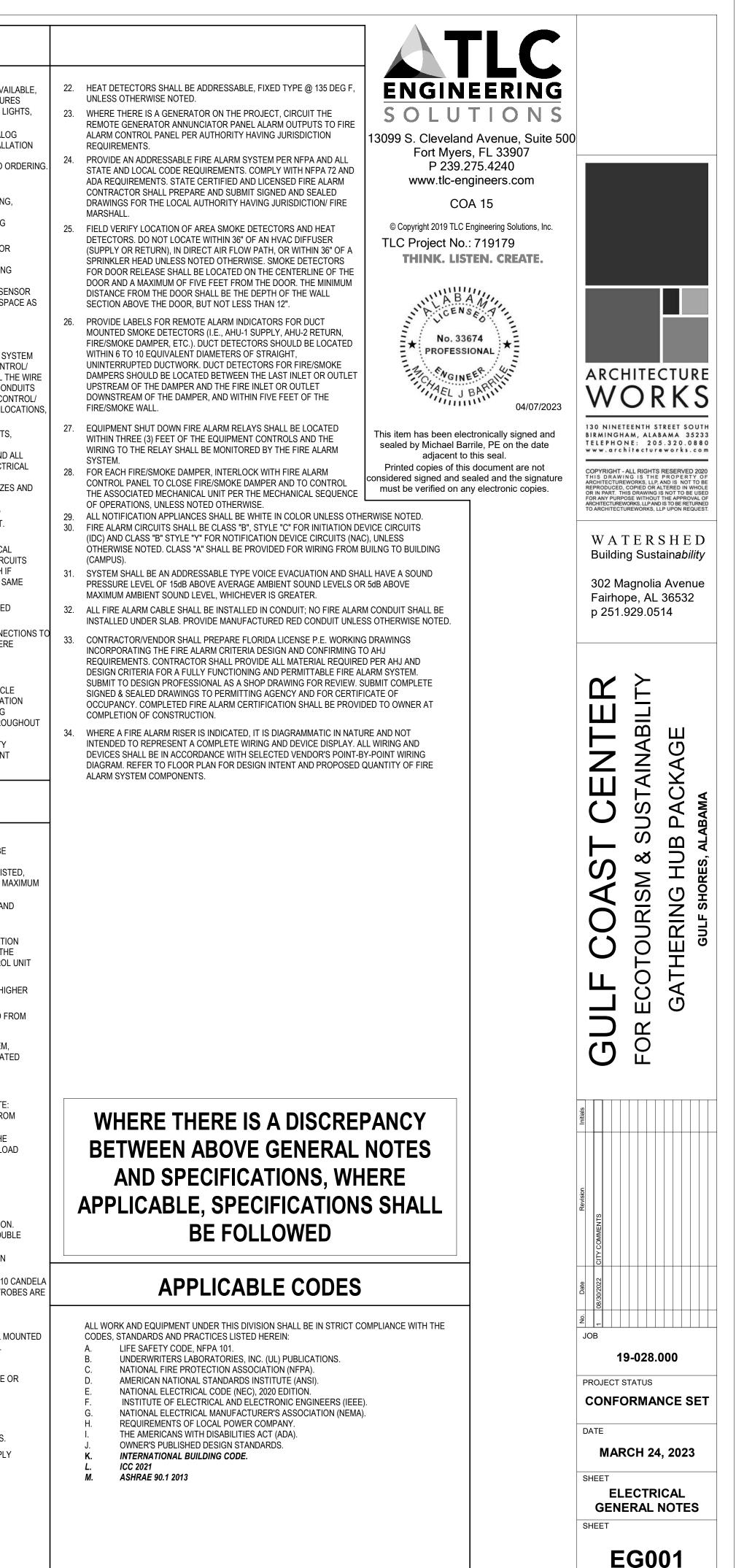
- B. WHERE THERE IS NO EMERGENCY GENERATOR/ LIFE SAFETY DISTRIBUTION BRANCH AVAILABLE, PROVIDE INTEGRAL BATTERY PACKS, RATED FOR A MINIMUM OF 90 MINUTES, FOR FIXTURES SHOWN WITH SOLID SHADING AND/OR WITH "E" AFTER FIXTURE TAG, AND FOR ALL EXIT LIGHTS, OR UNLESS OTHERWISE NOTED.
- REFER TO LIGHT FIXTURE SCHEDULE FOR LIGHT FIXTURE TYPES, DESCRIPTIONS, CATALOG NUMBERS AND ADDITIONAL INFORMATION PERTINENT TO THE LIGHT FIXTURE OR INSTALLATION THEREOF.
- 15. COORDINATE LIGHT FIXTURE TRIM TYPE AND FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.
 16. EACH LIGHTING CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL.
- PROVIDE AS PART OF BID PRICE, AN ADDITIVE ALTERNATE FOR THE SERVICES OF AN INDEPENDENT COMMISSIONING AGENT FOR THE LIGHTING SYSTEM FUNCTIONAL TESTING, INCLUDING ALL REQUIRED REPORTS. WHERE OCCUPANCY SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULED LIGHTING CONTROLS, PHOTOSENSORS AND DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:
- A. CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANCY SENSORS YIELD ACCEPTABLE PERFORMANCE.
 B. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULED LIGHTING CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
 C. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

MISCELLANEOUS CIRCUIT & INSTALLATION REQUIREMENTS:

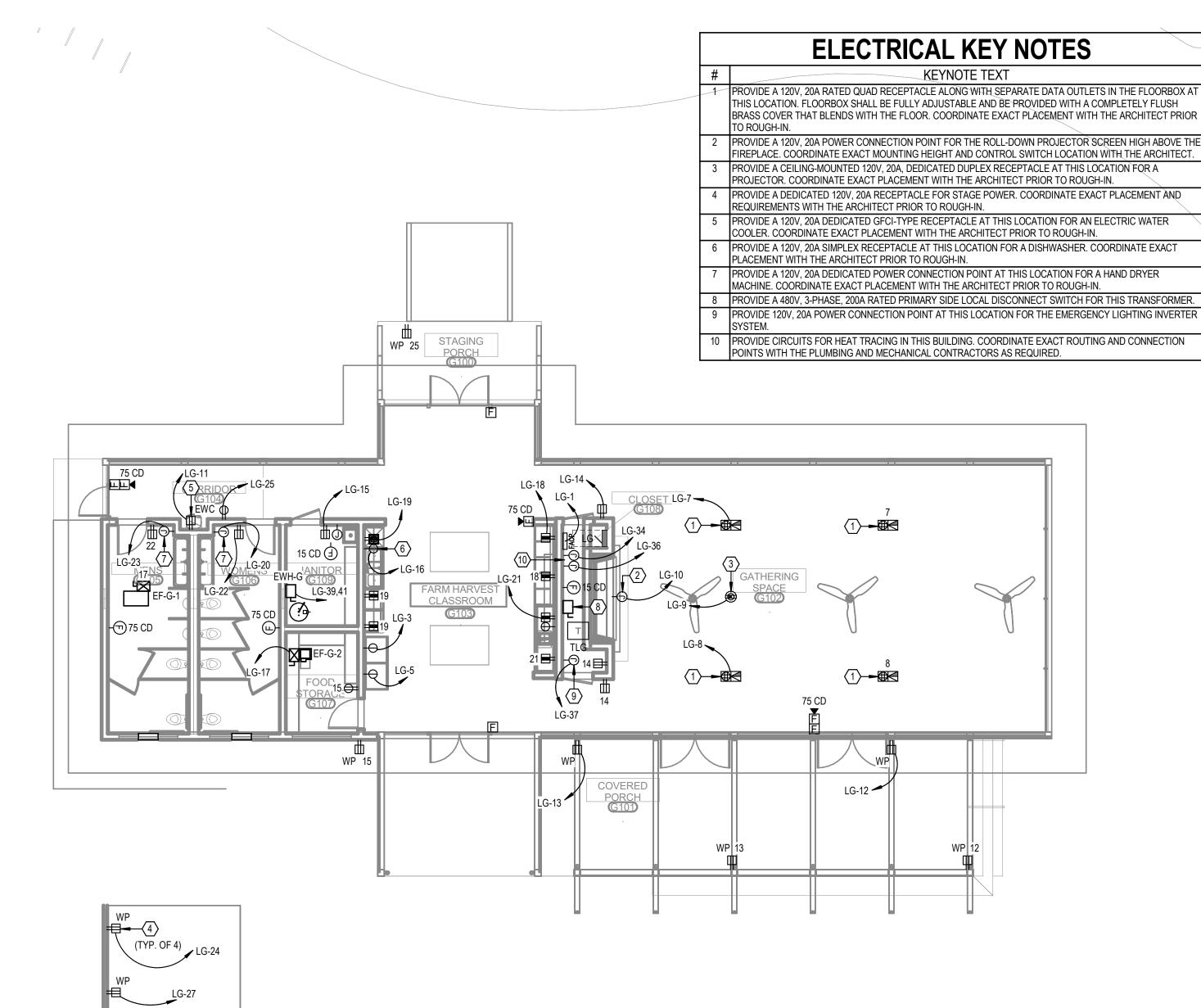
- THE INFRASTRUCTURE FOR THE ACCESS CONTROL/ CCTV OR SECURITY ELECTRONICS SYSTEM (CONDUITS, ELECTRICAL BOXES) SHALL BE INSTALLED BY DIVISION 26. THE ACCESS CONTROL/ CCTV OR SECURITY ELECTRONICS SYSTEM CONTRACTOR SHALL PROVIDE AND INSTALL THE WIRE AND CABLE FOR THE SYSTEM AND ALL REQUIRED EQUIPMENT. INSTALLATION OF THE CONDUITS AND ELECTRICAL BOXES SHALL BE UNDER THE DIRECT SUPERVISION OF THE ACCESS CONTROL/ CCTV SYSTEM CONTRACTOR. COORDINATE EXACT LOCATIONS OF DEVICES, RACEWAY LOCATIONS, SIZES AND QUANTITY, CONDUIT STUB-UPS PRIOR TO ROUGH IN.
- 2. THE INFRASTRUCTURE FOR THE VOICE/DATA TELECOMMUNICATIONS SYSTEM (CONDUITS, ELECTRICAL BOXES) SHALL BE INSTALLED BY DIVISION 26. THE TELECOMMUNICATIONS CONTRACTOR SHALL PROVIDE AND INSTALL THE WIRE AND CABLE FOR THE SYSTEM AND ALL REQUIRED EQUIPMENT AND COMPONENTS. INSTALLATION OF THE CONDUITS AND ELECTRICAL BOXES SHALL BE UNDER THE DIRECT SUPERVISION OF THE TELECOMMUNICATIONS CONTRACTOR. COORDINATE EXACT LOCATIONS OF DEVICES, RACEWAY LOCATIONS, SIZES AND QUANTITY, CONDUIT STUB-UPS PRIOR TO ROUGH IN.
- PROVIDE 120V 20A 5-20R RECEPTACLE AT ALL FAN COIL UNITS FOR CONDENSATE PUMP POWER AND HOT WATER RECIRCULATING PUMPS, WHETHER SHOWN ON PLANS OR NOT. RECEPTACLE IS TO BE CONNECTED TO NEAREST 120V RECEPTACLE CIRCUIT.
- I. PROVIDE 120V CONNECTION TO ALL MOTORORIZED DAMPERS INDICATED ON MECHANICAL PLANS, WHETHER SHOWN ON DIVISION 26 DRAWINGS OR NOT. FIRE/SMOKE DAMPER CIRCUITS ARE TO BE PROVIDED FROM EMERGENCY BRANCH PANEL (LEGALLY REQUIRED BRANCH IF AVAILABLE). MOTORIZED DAMPERS WITHIN THE SAME AREA CAN BE CIRCUITED TO THE SAME CIRCUIT (I.E., DEDICATED CIRCUIT IS NOT REQUIRED).
- 5. PROVIDE PHONE/DATA OUTLET WITH 1" RACEWAY, AND 120V RECEPTACLE ON DEDICATED CIRCUIT ADJACENT TO EACH AIR HANDLING UNIT FOR CONTROL POWER.
- PROVIDE 120V DEDICATED CIRCUIT TO EACH AIR HANDLING UNIT WITH SEPARATE CONNECTIONS 1 UNIT UV LIGHT, UNIT LIGHTS, UNIT RECEPTACLE, AND BI-POLAR IONIZATION FILTER WHERE PROVIDED. COORDINATE WITH DIVISION 23 SHOP DRAWINGS.
- ACCESS CONTROLLED DOOR POWER NOTE: ENSURE ALL 120V CONVENIENCE RECEPTACLE CIRCUITS UTILIZED FOR ACCESS CONTROL POWER SUPPLY ARE UNDER NORMAL OPERATION ALWAYS ENERGIZED AND NOT CONTROLLED THROUGH PLUG LOAD CONTROL / LIGHTING CONTROLS / EPO STATIONS. THIS IS APPLICABLE TO ALL ACCESS CONTROL NOTES THROUGHOUT THE ELECTRICAL SET.
- ENSURE ALL SHUNT TRIP RELAYS ARE CONTINUOUS DUTY RATED OR CONTAIN A SAFETY MECHANISM THAT ENSURES RELAYS GET DE-ENERGIZED AFTER ACTUATING TO PREVENT OVERHEATING.

FIRE ALARM SYSTEM NOTES

- ALL FIRE ALARM EQUIPMENT IS TO BE NEW, UL LISTED FOR FIRE SERVICE, AND SHALL BE COMPATIBLE WITH THE SYSTEM BEING USED.
 ALL WIRING AND CONDUIT IS TO CONFORM TO NEC ARTICLE 760. WIRING SHALL BE UL LISTED,
- MINIMUM 300V TYPE FPLP PLENUM RATED SOLID COPPER OR STANDARD COPPER WITH MAXIMUM 19 STRANDS.
- 3. LOW VOLTAGE CONDUCTORS: PROVIDE CONDUCTORS IN ACCORDANCE WITH NFPA 70 AND NFPA 72, AND AS RECOMMENDED BY THE FIRE ALARM SYSTEM MANUFACTURER. CONDUCTORS SHALL BE COPPER, MINIMUM NO. 14 AWG, TWISTED SHIELDED PAIR.
- 4. SURVIVABILITY: A 1-HOUR RATED CABLE ASSEMBLY SHALL BE PROVIDED FOR NOTIFICATION APPLIANCE CIRCUITS AND ANY OTHER CIRCUITS NECESSARY FOR THE OPERATION OF THE NOTIFICATION APPLIANCE CIRCUITS FROM THE POINT AT WHICH THEY EXIT THE CONTROL UNIT UNTIL THE POINT THAT THEY ENTER THE NOTIFICATION ZONE THAT THEY SERVE.
- 5. MANUAL PULL STATIONS ARE TO BE INSTALLED AT 42" TO BOTTOM OF DEVICE AND NO HIGHER THAN 48" TO HANDLE ABOVE FINISHED FLOOR.
- PROVIDE MINIMUM 3/4" CONDUIT AND WIRING BETWEEN EACH FIRE ALARM DEVICE AND FROM LAST DEVICE TO FACP UNLESS OTHERWISE NOTED.
- 7. PROVIDE FIRE ALARM RELAY AND DUCT DETECTOR CONNECTED TO FIRE ALARM SYSTEM, WITHIN 5' OF ALL DUCT PENETRATIONS THROUGH FIRE/SMOKE WALLS, WHETHER INDICATED ON ELECTRICAL OR MECHANICAL PLANS OR NOT.
- 8. FIRE ALARM CONTROL PANEL IS TO BE PROVIDED WITH DEDICATED 120V CIRCUIT WITH EQUIPMENT GROUND CONNECTION PER MANUFACTURER'S RECOMMENDATIONS AND ARTICLE 760 OF THE NEC. PROVIDE MINIMUM #12 AWG FOR GROUND CONNECTION. NOTE: PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE. 120V CIRCUIT SHALL BE FROM LIFE SAFETY BRANCH WHERE AVAILABLE.
- SECONDARY BACK-UP POWER SHALL BE PROVIDED BY INTEGRAL BATTERIES WITHIN THE FIRE ALARM CONTROL PANEL TO SUPPLY POWER TO THE SYSTEM UNDER QUIESCENT LOAD FOR A MINIMUM OF 24 HOURS, AND THEN BE CAPABLE OF AN ADDITIONAL 15 MINUTES ALARM OPERATION AT MAXIMUM CONNECTED LOAD.
- 10. ALL FIRE ALARM POWER CIRCUITS SHALL HAVE A DEDICATED 120V 20A BREAKER THAT SHALL BE RED IN COLOR AND MECHANICALLY PROTECTED (LOCKABLE IN THE "ON" POSITION), MARKED AS "FIRE ALARM CIRCUIT".
- A SUPERVISORY SIGNAL SHALL BE ANNUNCIATED UPON ANY TAMPER SWITCH ACTIVATION. FAILURE OR REMOVAL OF ANY DETECTION OR MANUAL DEVICE SHALL ACTIVATE A TROUBLE SIGNAL.
- 12. A CERTIFICATION OF COMPLETION AND UL LISTING SHALL BE ISSUED AND INSTALLED ON THE FIRE ALARM CONTROL PANEL.
- 13. MINIMUM CANDELA RATING OF STROBES IS 75; "110" ADJACENT TO DEVICE INDICATES 110 CANDELA RATING. PROVIDE SYNCHRONIZATION OF STROBES IN ALL ADJACENT AREAS WHERE STROBES ARE VISIBLE TO EACH OTHER.
- 14. ALL STROBES SHALL ACTIVATE UPON INITIATION OF THE GENERAL ALARM.
- 15. ALL STROBES SHALL BE INSTALLED PER ADA MOUNTING HEIGHT REQUIREMENTS. WALL MOUNTED STROBES SHALL BE INSTALLED SO THAT THE BOTTOM OF THE STROBE LENS IS 80" AFF.
- STROBES SHALL BE INSTALLED WITHIN 15' OF THE ENDS OF ALL CORRIDORS.
 SPEAKER/STROBES, HEAT DETECTORS OR MANUAL PULL STATIONS INSTALLED OUTSIDE OR IN AREAS OPEN TO THE EXTERIOR SHALL BE WEATHERPROOF DEVICES IN APPROVED
- 18. SMOKE DETECTORS SHALL BE PHOTO-ELECTRIC ADDRESSABLE TYPE.
- 19. SMOKE DETECTORS ARE TO BE INSTALLED PER NFPA 72. WALL MOUNTED SMOKE DETECTORS SHALL BE MOUNTED 4"-12" BELOW THE CEILING AND AWAY FROM CORNERS.
- ALL SMOKE DETECTORS SHALL BE INSTALLED A MINIMUM OF 36" AWAY FROM ANY SUPPLY OR RETURN AIR VENTS OR DIFFUSERS.
 DUCT DETECTORS SHALL BE PHOTOLELECTRIC ADDRESSARILE TYPE, AND RATED FOR
- 1. DUCT DETECTORS SHALL BE PHOTO-ELECTRIC ADDRESSABLE TYPE, AND RATED FOR VELOCITIES UP TO 5000 FT/MIN.







LG-26

LG-29

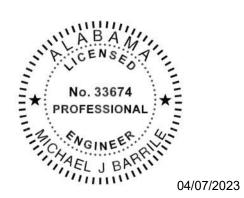
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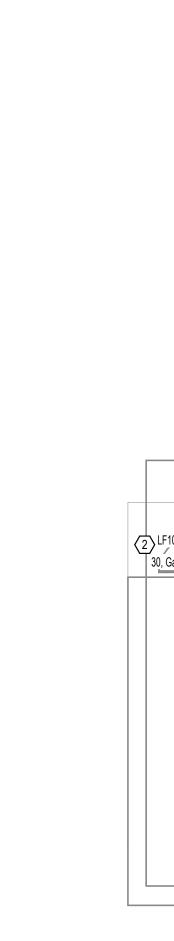
302 Magnolia Avenue Fairhope, AL 36532 p 251.929.0514

USTAINABILITY CENTER PACKAGE S GATHERING HUB GULF SHORES. AL S T S FOR ECOTOURISM & COA GULF JOB 19-028.000 PROJECT STATUS CONFORMANCE SET

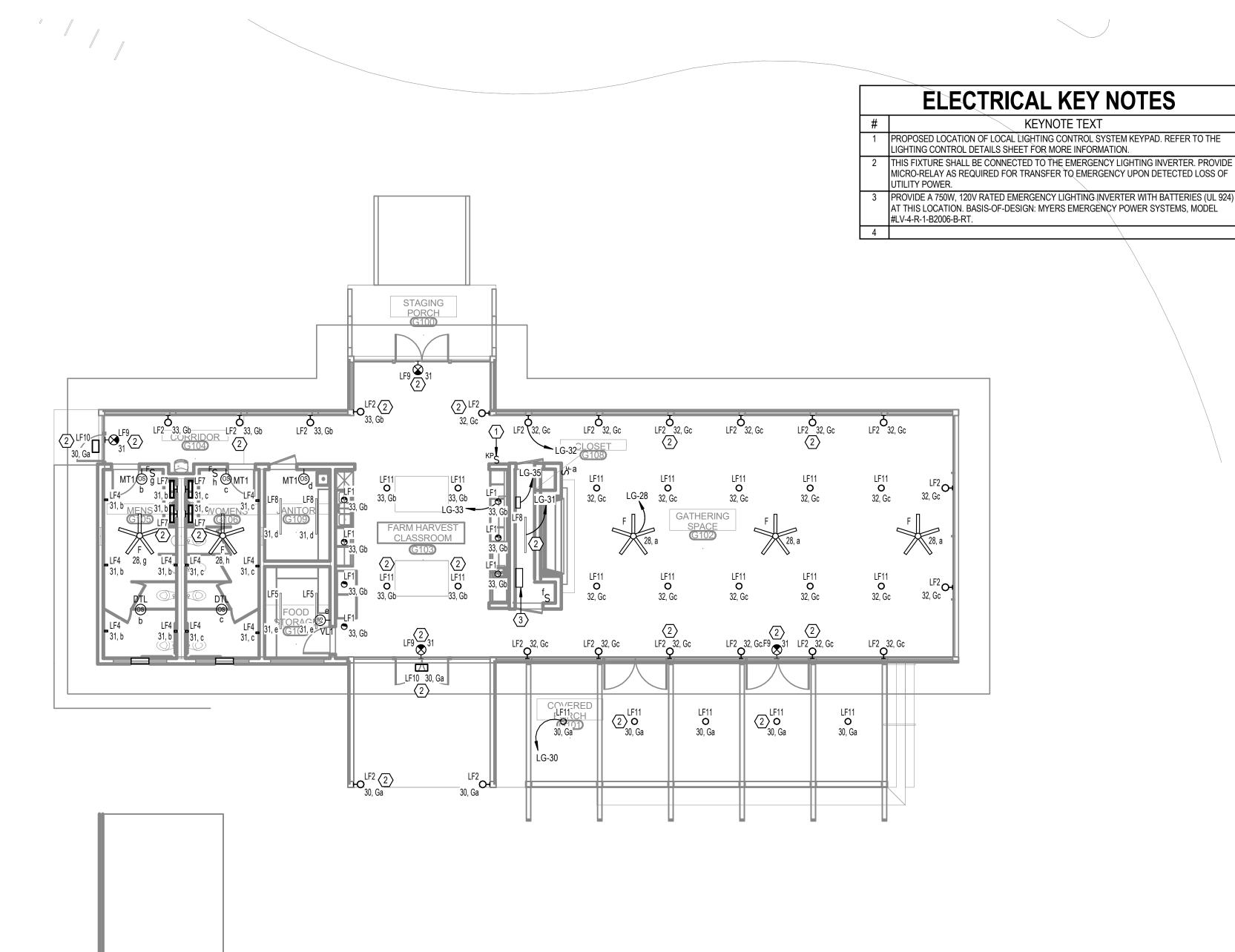
DATE MARCH 24, 2023

GATHERING HUB POWER FLOOR PLAN SHEET









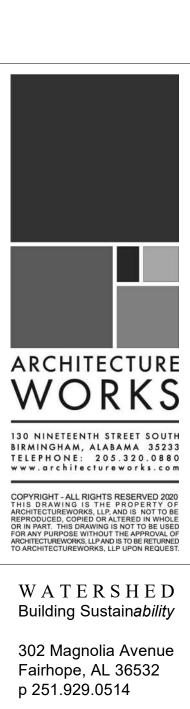


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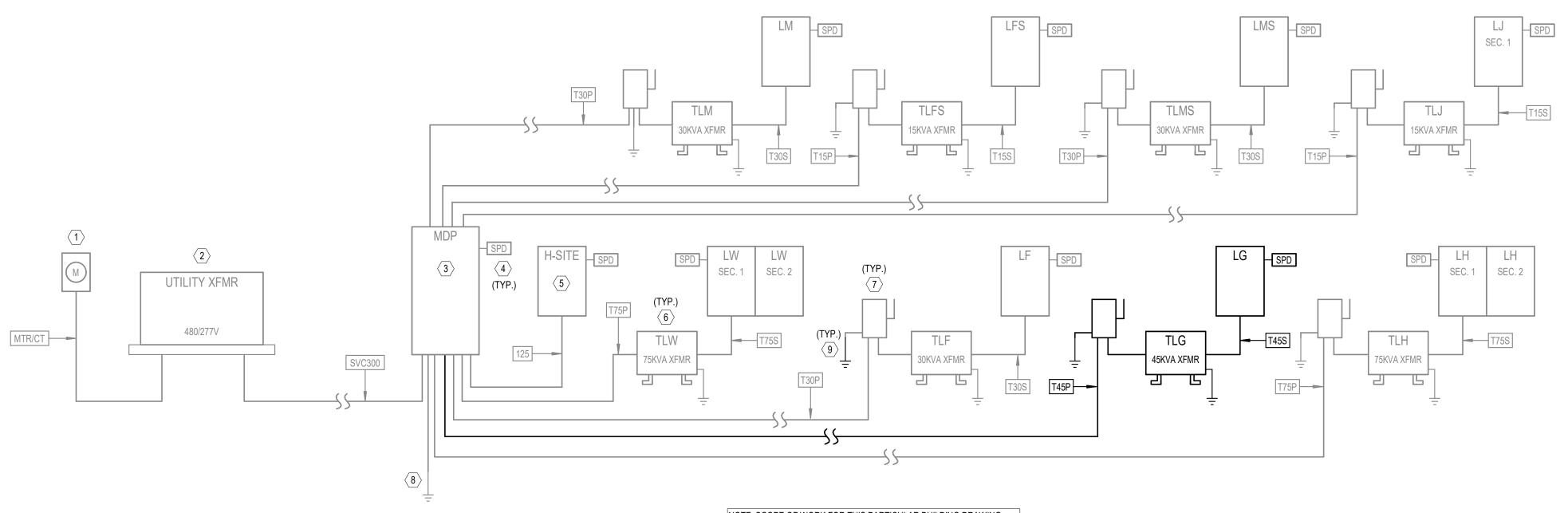


FOR ECOTOURISM & SUSTAINABILITY GATHERING HUB PACKAGE GULF SHORES, ALABAMA CENTER S T COA GULF Ż JOB 19-028.000 PROJECT STATUS CONFORMANCE SET DATE MARCH 24, 2023

GATHERING HUB PLAN SHEET



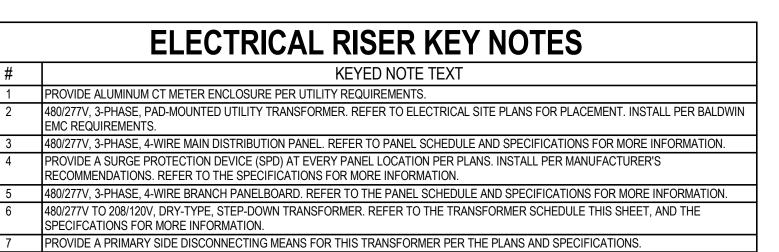
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		From: TLG Enclosure:		_			t Busi	ng: Yes			Mains Ty	-	M
KN	СКТ	Circuit Description	Trip(A)	P	A (VA)		В (VA)	C (VA)	Ρ	
1	1	FIRE ALARM	20	1	400	0)						
1	3	REFRIGERATOR #1	20	1				1200	0			3	
1	5	REFRIGERATOR #2	20	1						1200	0		
1	7	GATHERING FLOOR BOXES	20	1	720	72	20					1	
1	9	OVERHEAD PROJECTOR POWER	20	1				1500	300			1	
1	11	WATER COOLER	20	1						600	360	1	
1	13	PORCH RECETPACLES	20	1	360	54	10					1	Γ
1	15	JANITOR / STORAGE / EXTERIOR RECPTS	20	1				540	1200			1	Γ
2	17	EF-G-1/EF-G-2	20	1						86	360	1	
1	19	KITCHEN COUNTER RECEPTACLES	20	1	540	10	00					1	
1	21	KITCHEN COUNTER RECEPTACLES	20	1				360	360			1	Γ
1	23	HAND DRYER	20	1						1000	1000	1	
1	25	GENERAL RECEPTACLES	20	1	360	10	00					1	F
1	27	STAGE POWER RECPT.	20	1				1000	300			1	t
1	29	STAGE POWER RECPT.	20	1						1000	229	1	F
1	31	RESTROOM / STORAGE / CLOSET LIGHTING	20	1	493	55	5					1	F
1	33	KITCHEN / HALL LIGHTING	20	1				336	1000			1	F
1	35	LIGHTING CONTROL PANEL	20	1						200	1000	1	F
1	37	EM LIGHTING INVERTER	20	1	500	0)					1	t
	39							2250	0			1	F
2	41	WATER HEATER	30	2						2250	0	1	F
		Connected Phas	e Load (K)	VA)	7.1	188		10.	346	9.2	263		-
		Connected Ph	•		59.	898		88.	877	79.	848		
Loa	d Cl	assification	Con	nec	ted Loa	d	Den	nand Fa	actor	Dema	nd Load	d	Γ
Equip	ment			790	00 VA			100.00%			00 VA		t
HEAT				200	00 VA			100.00%		20	00 VA		1
Lighti	na			189	92 VA			100.00%		18	92 VA		1
Other	-			40	0 VA			100.00%		4	00 VA		1
	otacle				20 VA			84.92%			160 VA		1
HVAC					5 VA			123.26%			06 VA		1
EQUI					0 VA			100.00%			00 VA		
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(2)#12 AWG CU THWN & (1)#12 AWG CU (EG) IN 3/4" CONDUIT.
 REFER TO ELECTRICAL EQUIP. COORD. SCHEDULE

ELECTRICAL EQUIPMENT COORDINATION SCHEDULE - GATHERING HUB															
						CIRCUIT STARTER DISCONNECT									
TAG HP	LOAD	FLA (AMPS)	VOLTAGE	PHASE	CONDUIT/WIRE (AWG)	PANEL	NUMBER	NEMA SIZE	ENCLOS. TYPE	FURN. BY (DIV.)	SWITCH SIZE	NO. OF POLES	ENCLOS. TYPE	FURN. BY (DIV.)	COMMENTS
EF-G-1 1/10	80 VA	0.4A	120 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	LG	17	00	NEMA 3R	26	20A	2	NEMA 3R	26	
EF-G-2	6 VA	0.1A	120 V	1	3/4" CONDUIT WITH 2#12 AND 1#12 GROUND	LG	17	00	NEMA 3R	26	20A	2	NEMA 3R	26	
EWH-G	4500 VA	22A	208 V	1	3/4" CONDUIT WITH 3#10 AND 1#10 GROUND	LG	39,41				30A	2	NEMA 1	26	



PROVIDE A MAIN SYSTEM GROUND PER NEC ARTICLE 250 AND THE SPECIFICATIONS. PROVIDE A GROUNDING POINT PER NEC ARTICLE 250 WHERE THE ELECTRICAL SYSTEM ENTERS THE BUILDING.

TRANSF	ORM	ER SCH	EDULE	(COPP	ER WINDINGS)
			PRIMARY	SECONDARY	
			VOLTAGE	VOLTAGE	
TRANSFORMER	KVA		(D=DELTA,Y=	(D=DELTA,Y=	GROUNDING ELECTRODE
NAME	RATING	PHASE	WYE)	WYE)	CONDUCTOR
TLF	30	3	480D	120/208Y	#6
TLG	45	3	480D	120/208Y	#6
TLH	75	3	480D	120/208Y	#2
TLW	75	3	480D	120/208Y	#2
TLM	30	3	480D	120/208Y	#6
TLFS	15	3	480D	120/208Y	#8
TLMS	30	3	480D	120/208Y	#6
TLJ	15	3	480D	120/208Y	#8



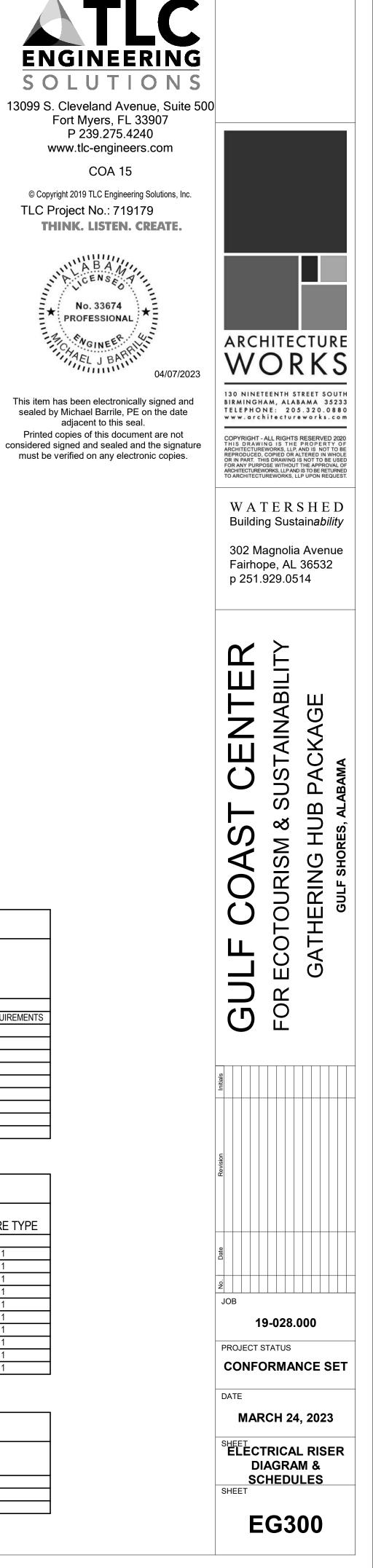
<u>RISER DIAGRAM -</u> <u>GATHERING HUB</u>

NO SCALE

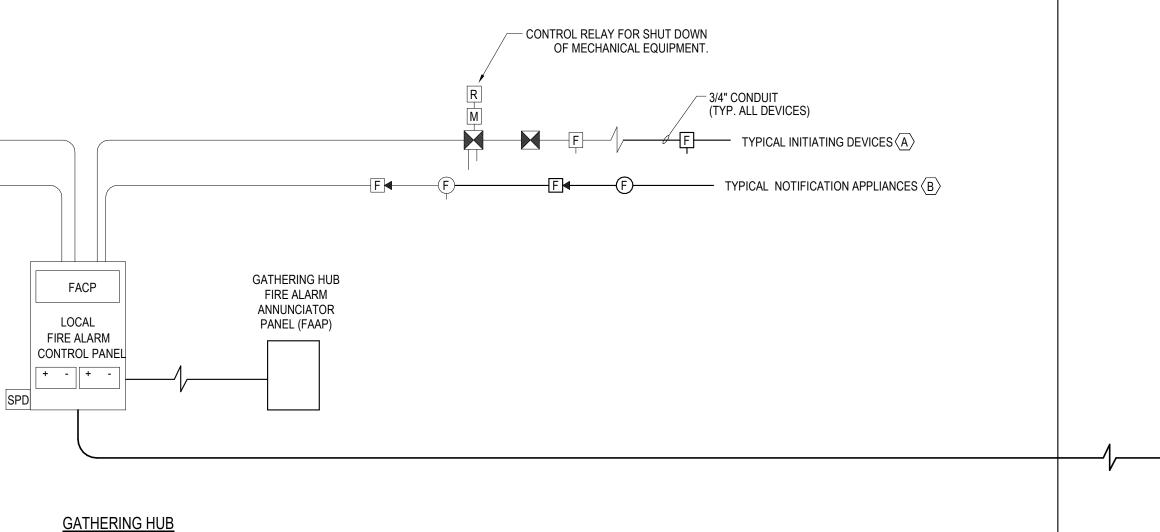
NOTE: SCOPE OF WORK FOR THIS PARTICULAR BUILDING DRAWING SET ON THE RISER IS SHOWN IN BOLD. ALL OTHER PROJECT WORK NOT DIRECTLY ASSOCIATED WITH THIS BUILDING IS HALF-TONED.

		С	OPPER (CONDUC	TOR/FE	EDER SCHEDULE
		PHASE	NEUTRAL	GROUNDING	CONDUIT	
		CONDUCTORS	CONDUCTORS	CONDUCTORS	SIZE	
	NUMBER OF	(QUANTITY)	(QUANTITY)	(QUANTITY)	(QUANTITY)	
SYMBOL	SETS	SIZE - AWG	SIZE - AWG	SIZE - AWG	SIZE	REMARKS
125	1	(3) #1	(1) #1	(1) #6	(1) 1 1/2"	
MTR/CT	1				(1) 1-1/4"	GALVANIZED RIGID CONDUIT WITH WIRING AND MOUNTING PER UTILITY COMPANY REQUIREMENTS
SVC300	1	(3) #350 KCMIL	(1) #350 KCMIL		(1) 3"	
T15P	1	(3) #10		(1) #10	(1) 3/4"	15KVA TRANSFORMER PRIMARY
T15S	1	(3) #4	(1) #4	(1) #8	(1) 1 1/4"	15KVA TRANSFORMER SECONDARY
T30P	1	(3) #6		(1) #10	(1) 1"	30KVA TRANSFORMER PRIMARY
T30S	1	(3) #1	(1) #1	(1) #6	(1) 1 1/2"	30KVA TRANSFORMER SECONDARY
T45P	1	(3) #4		(1) #8	(1) 1"	45KVA TRANSFORMER PRIMARY
T45S	1	(3) #1/0	(1) #1/0	(1) #6	(1) 2"	45KVA TRANSFORMER SECONDARY
T75P	1	(3) #2		(1) #6	(1) 1 1/4"	75KVA TRANSFORMER PRIMARY
T75S	1	(3) #4/0	(1) #4/0	(1) #2	(1) 2 1/2"	75KVA TRANSFORMER SECONDARY

	ELECTRICAL LOAD SUMMARY								
PANEL NAME	SUPPLIED FROM	AIC RATING	DEMAND (VA)	DEMAND (A)	VOLTAGE	PHASE	NO. OF SPACES/POLES	MAINS TYPE	ENCLOSURE TYPE
			0 VA	Not Computed		Not Computed			
H-SITE	MDP	42	825 VA	1 A	480/277V	3	42	MLO	TYPE 1
LF	TLF	10	11608 VA	32 A	208/120V	3	42	MCB	TYPE 1
LFS	TLFS	10	3708 VA	10 A	208/120V	3	42	MCB	TYPE 1
LG	TLG	10	24656 VA	68 A	208/120V	3	42	MCB	TYPE 1
LH	TLH	10	58979 VA	164 A	208/120V	3	84	MCB	TYPE 1
LJ	TLJ	10	2274 VA	6 A	208/120V	3	42	MCB	TYPE 1
LM	TLM	10	18687 VA	52 A	208/120V	3	42	MCB	TYPE 1
LMS	TLMS	10	32048 VA	89 A	208/120V	3	42	MCB	TYPE 1
LW	TLW	22	65891 VA	183 A	208/120V	3	84	MCB	TYPE 1
MDP		65	199467 VA	240 A	480/277V	3		MCB	TYPE 1



(TYP. ALL DEVICES)	
B TYPICAL NOTIFICATION APPLIANCES F	



FIRE ALARM SYSTEM SEQUENCE OF OPERATION No Scale

TYPE OF SYSTEM:

- FULLY ADDRESSABLE FIRE ALARM SYSTEM AND STANDBY BATTERY MONITORED BY CENTRAL STATION
- 24 HOURS OF STANDBY, 5 MINUTES OF ALARM USED FOR BATTERY CALCULATIONS - VOICE EVACUATION WITH PRE-RECORDED DIGITAL MESSAGE AND MANUAL ANNOUNCEMENT
- VIA MICROPHONE
- TYPE OF CIRCUITS:
- SIGNALING LINE CIRCUIT (SLC) = CLASS B, SURVIVABILITY LEVEL 0
- NOTIFICATION APPLIANCE CIRCUIT (NAC) = CLASS B, SURVIVABILITY LEVEL 0
- WIRING METHOD:

- "FPLR" CABLE IN CONDUIT.

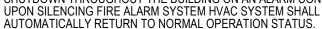
- WET LOCATION LISTED CABLE FOR UNDERGROUND, SLAB, AND UNCONDITIONED SPACE CONDUIT.
- GENERAL ALARM SEQUENCE:
- ACTIVATION OF AN ALARM INITIATING DEVICE WILL CAUSE THE NOTIFICATION DEVICES (SPEAKERS AND STROBES) TO ACTIVATE THROUGHOUT THE BUILDINGS. ALL ALARM CONDITIONS WILL BE ANNUNCIATED AT THE FIRE ALARM CONTROL PANEL (FACP) AND REMOTE ANNUNCIATOR AND WILL BE TRANSMITTED TO THE OWNER-SELECTED OFFSITE MONITORING COMPANY.
- SUPERVISORY CONDITIONS WILL BE ANNUNCIATED AT THE FACP AND REMOTE ANNUNCIATOR. A SUPERVISORY CONDITION WILL BE TRANSMITTED BY THE FACP TO THE OWNER-SELECTED OFFSITE MONITORING COMPANY.
- TROUBLE CONDITIONS WILL BE ANNUNCIATED AT THE FACP AND REMOTE ANNUNCIATOR. A TROUBLE CONDITION WILL BE TRANSMITTED BY THE FACP TO THE OWNER-SELECTED OFFSITE MONITORING COMPANY.
- SPRINKLER FLOW SWITCH : THE FIRE PROTECTION SPRINKLER SYSTEM MAIN FLOW SWITCH SHALL BE CONNECTED AS AN ALARM INITIATING DEVICE AND SHALL BE ANNUNCIATED SEPARATELY. FIRE PROTECTION SPRINKLER SYSTEM ZONE FLOW SWITCHES SHALL BE CONNECTED AS AN AUTOMATIC INITIATING DEVICE AND EACH SWITCH SHALL BE SEPARATELY ANNUNCIATED.
- SPRINKLER FLOW SWITCH SHALL TRANSMIT A SEPARATE ALARM SIGNAL FROM OTHER ALARM
- CONDITIONS. - SPRINKLER SYSTEM TAMPER SWITCH : TAMPER SWITCHES CONNECTED TO THE VALVES OF THE FIRE PROTECTION SYSTEM SHALL BE ANNUNCIATED AS SUPERVISORY CONDITION.
- ALL SIGNALS SHALL BE ANNUNCIATED AT THE

ALARM SILENCE:

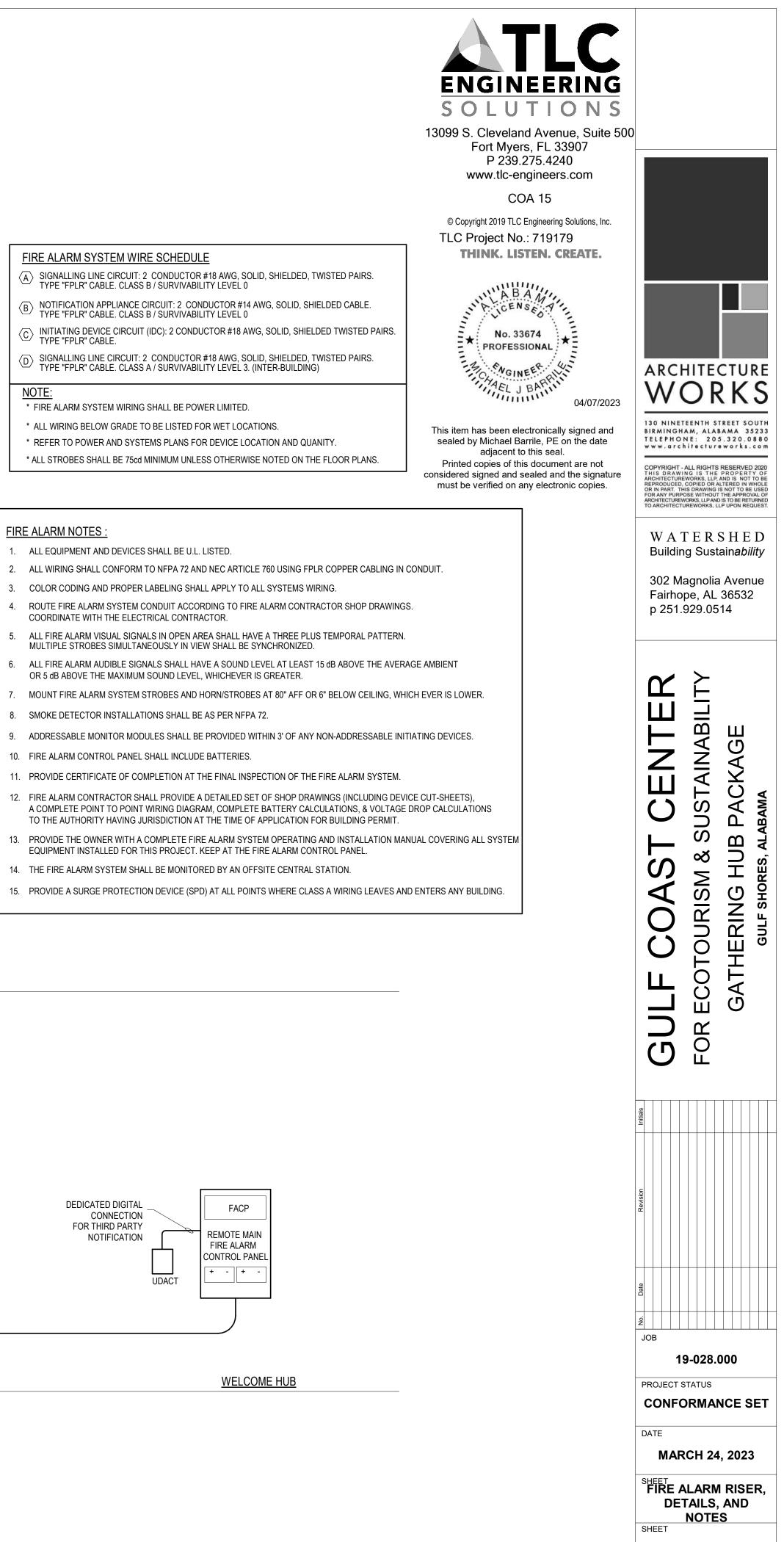
- AUDIBLE NOTIFICATION DEVICES MAY BE SILENCED.
- VISUAL DEVICES WILL REMAIN ON UNTIL THE SYSTEM IS RESET.
- **INITIATING DEVICE OPERATIONS:**
- PULL STATIONS WILL CAUSE A GENERAL ALARM.
- SPRINKLER FLOW SWITCHES WILL CAUSE A GENERAL ALARM.
- DUCT DETECTORS WILL CAUSE A SUPERVISORY CONDITION.
- ANY TAMPER SWITCH WILL CAUSE A SUPERVISORY CONDITION. - SMOKE/HEAT DETECTORS WILL CAUSE A GENERAL ALARM AFTER AN ALARM VERIFICATION PROCESS.

AUXILIARY CONTROLS:

- AIR HANDLING UNITS CONTROLLED BY THE FIRE ALARM SYSTEM WILL SHUTDOWN THROUGHOUT THE BUILDING ON AN ALARM CONDITION.



<u>FIR</u>	RE A
$\langle A \rangle$	SIGI TYP
$\langle B \rangle$	NOT TYP
$\langle C \rangle$	INIT TYP
$\langle D \rangle$	SIGI TYP
NO	TE:
* F * / * F	TIRE ALL W REFE



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SUPPLIED BY CONTRACTOR.

2. RELAY PANELS SHALL BE PRE-WIRED, PRE-ASSEMBLED, PROGRAMMED TO OWNER REQUIREMENTS, AND LISTED TO UL 936 (EMERGENCY LIGHTING RELAYS INTERMIXED). PANELS SHALL BE PROVIDED WITH DUAL VOLTAGE POWER SUPPLY AND 16 GAGE BARRIERS TO SEPARATE HIGH AND LOW VOLTAGE POWER.

NO OR NC, AND 347 SINGLE POLE RELAY SHALL BE AVAILABLE.

PROVIDE 10 YEAR BATTERY BACK UP FOR TIME OF DAY.

SHALL DISPLAY ON THE DTC SCREEN.

NOT BE ACCEPTABLE.

7. PHOTOCELL, EXTERIOR (PCO) OR INTERNET (PCI), SHALL PROVIDE READOUT ON THE DTC SCREEN IN NUMBER VALUES ANALOGOUS TO FOOT CANDLES. EACH PHOTOCELL SHALL PROVIDE A MINIMUM OF 14 TRIGGER POINTS. EACH TRIGGER CAN BE PROGRAMMED TO CONTROL ANY RELAY OR ZONE. EACH TRIGGER SHALL BE SET THROUGH DTC , LOCALLY OR REMOTELY. PHOTOCELLS THAT REQUIRE THE USE OF SET SCREWS OR MANUAL ADJUSTMENTS AT THE PHOTOCELL CONTROL CARD SHALL NOT BE ACCEPTABLE.

UPGRADED AND MONITORED REMOTELY. NO EXCEPTIONS.

10. SHOP DRAWINGS: SUBMIT DIMENSIONED DRAWINGS OF LIGHTING CONTROL SYSTEM AND ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, RELAY PANELS, SWITCHES, DTC, PHOTOCELLS AND OTHER INTERFACES. DRAWINGS SHALL INDICATE EXACT LOCATION AND PROGRAMMING OF EACH DEVICE. INDICATE ALL TIME SCHEDULES AND SWITCH BUTTON ENGRAVING.

SENSORS PLACED THROUGHOUT THE BUILDINGS.

_		_
	HUB	
	VOLTAGE SW ER TO PLANS	

LOCATION

MOBILITY HUB

WELCOME

HUB

FIELD

SHED

LOW VOLTAGE SWITCH

REFER TO PLANS FOR

LOCATION

LOW VOLTAGE SWITCH

REFER TO PLANS FOR LOCATION

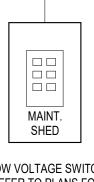
LOCATION

LOW VOLTAGE SWITCH

REFER TO PLANS FOR

TYPE DESC DTL CEILING MOUNTED, DUAL TECHNOLOGY, LINE VOLTAGE OCCUP/ WALL-MOUNTED, DUAL TECHNOLOGY, LINE VOLTAGE OCCUPAN MT1 Standard 2 WALL-MOUNTED, LINE VOLTAGE, DUAL TECHNOLOGY VACANCY VL1

Relay Number	Panel	Circuit Numbe
1	LG	30
2	LG	33
3	LG	32



LOW VOLTAGE SWITCH REFER TO PLANS FOR LOCATION

LIGHTING CONTROL SYSTEM SPECIFICATIONS

1. LIGHTING CONTROL SYSTEM SHALL BE DIGITAL AND CONSIST OF A MASTER LCP WITH UP TO 32 INDIVIDUAL RELAYS, SLAVE LCPS WITH UP TO 32 INDIVIDUAL RELAYS IN EACH PANEL, A MICRO LCP WITH UP TO 4 INDIVIDUAL RELAYS, WHICH CAN BE SWITCHABLE OR 0-10VDC DIMMABLE, DIGITAL SWITCHES AND DIGITAL INTERFACE CARDS. ALL SYSTEM COMPONENTS SHALL CONNECT IN A "DAISY CHAIN" STYLE CONFIGURATION AND BE CONTROLLED VIA CATEGORY 5 PATCH CABLE WITH RJ45 CONNECTORS, PROVIDING REAL-TIME TWO WAY COMMUNICATION WITH EACH SYSTEM COMPONENT. ANALOG SYSTEMS ARE NOT ACCEPTABLE. ALL CABLES

3. STANDARD RELAYS SHALL HAVE NORMALLY CLOSED (NC) CONTACTS RATED FOR 120/277V 20A TUNGSTEN OR BALLAST. STANDARD RELAYS SHALL BE ZERO-CROSS TYPE, NO EXCEPTIONS. OPTIONAL 600V, 200 POLE RELAY,

4. RELAY PANEL ELECTRONICS SHALL PROVIDE CURRENT VISUAL STATUS AND CONTROL OF EACH RELAY OR ZONE. ALL SYSTEM CONTROL ELECTRONICS SHALL STORE PROGRAMMING IN A NON-VOLATILE MEMORY AND

5. LIGHTING CONTROL PANEL SHALL CONSIST OF A MASTER AND SLAVE PANEL(S) CONTROLLED BY A 32-CHANNEL DIGITAL TIME CLOCK (DTC) THAT CONTROLS AND PROGRAMS THE ENTIRE LIGHTING CONTROL SYSTEM. THE DTC SHALL SUPPLY ALL TIME FUNCTIONS AND ACCEPT OTHER INPUTS. THE DTC SHALL ACCEPT CONTROL LOCALLY USING BUILT IN BUTTON PROMPTS AND USE OF AN 8 LINE 21-LETTER DISPLAY, FROM A COMPUTER, MODEM, ETHERNET OR INTERNET. ALL COMMANDS SHALL BE IN PLAIN ENGLISH. HELP PAGES

6. ALL SWITCHES SHALL COMMUNICATE VIA RS485, CAT 5 PATCH CABLE WITH RJ45 CONNECTORS. CONTACT CLOSURE STYLE SWITCHES ARE NOT ACCEPTABLE. ANY SWITCH BUTTON FUNCTION SHALL BE ABLE TO BE CHANGED LOCALLY (AT THE DTC OR A PC) OR REMOTELY, VIA MODEM ETHERNET OR INTERNET. REFER TO SINGLE LINE DRAWING FOR WIRING DETAILS. SWITCHES WHICH CANNOT BE PROGRAMMED REMOTELY SHALL

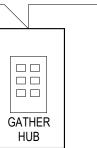
8. STANDARD LIGHTING CONTROL SYSTEM SOFTWARE, PRE-INSTALLED INTO THE DTC, SHALL CONSIST OF AND USE STANDARD GRAPHICAL MANAGEMENT SOFTWARE (GMS) PAGES. GMS SHALL PROVIDE VIA LOCAL OR REMOTE PC A VISUAL REPRESENTATION OF EACH DEVICE ON THE BUS, SHOW REAL TIME STATUS AND THE ABILITY TO CHANGE THE STATUS OF ANY INDIVIDUAL DEVICE, RELAY OR ZONE. OPTIONAL SOFTWARE THAT ACCEPTS JOB SPECIFIC GRAPHICS SHALL BE AVAILABLE. NO EXCEPTIONS.

9. TELEPHONE FACTORY DIAL-UP SUPPORT SHALL BE AVAILABLE AT NO ADDITIONAL COST TO THE EC OR OWNER BOTH DURING AND AFTER THE 3 YEAR WARRANTY PERIOD. FACTORY TO PREPROGRAM THE LIGHTING CONTROL SYSTEM PER PLANS AND APPROVED SUBMITTAL. THE LIGHTING CONTROL MANUFACTURER, AT NO ADDED COST. SHALL PROVIDE ADDITIONAL PROGRAMMING VIA MODEM AS REQUIRED BY THE EC OR OWNER FOR THE OPERATIONAL LIFE OF THE SYSTEM. MANUFACTURER WARRANTS THE DTC SOFTWARE CAN BE

11. LIGHTING CONTROL SYSTEM SHALL ACCOMMODATE DAYLIGHT HARVESTING THROUGH DAYLIGHTING

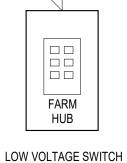
PANELBOARD TO LOAD 120/277V INPUTS FOR ALL MAKE UP WORK TO BE DONE IN LINE VOLTAGE GUTTER THROUGH GUTTER BREAKER-CONDUCTOR-GUTTER 0000000

NO	TE:
1.	all lighting Building aut Manual over
2.	REFER TO MA REQUIREMEN

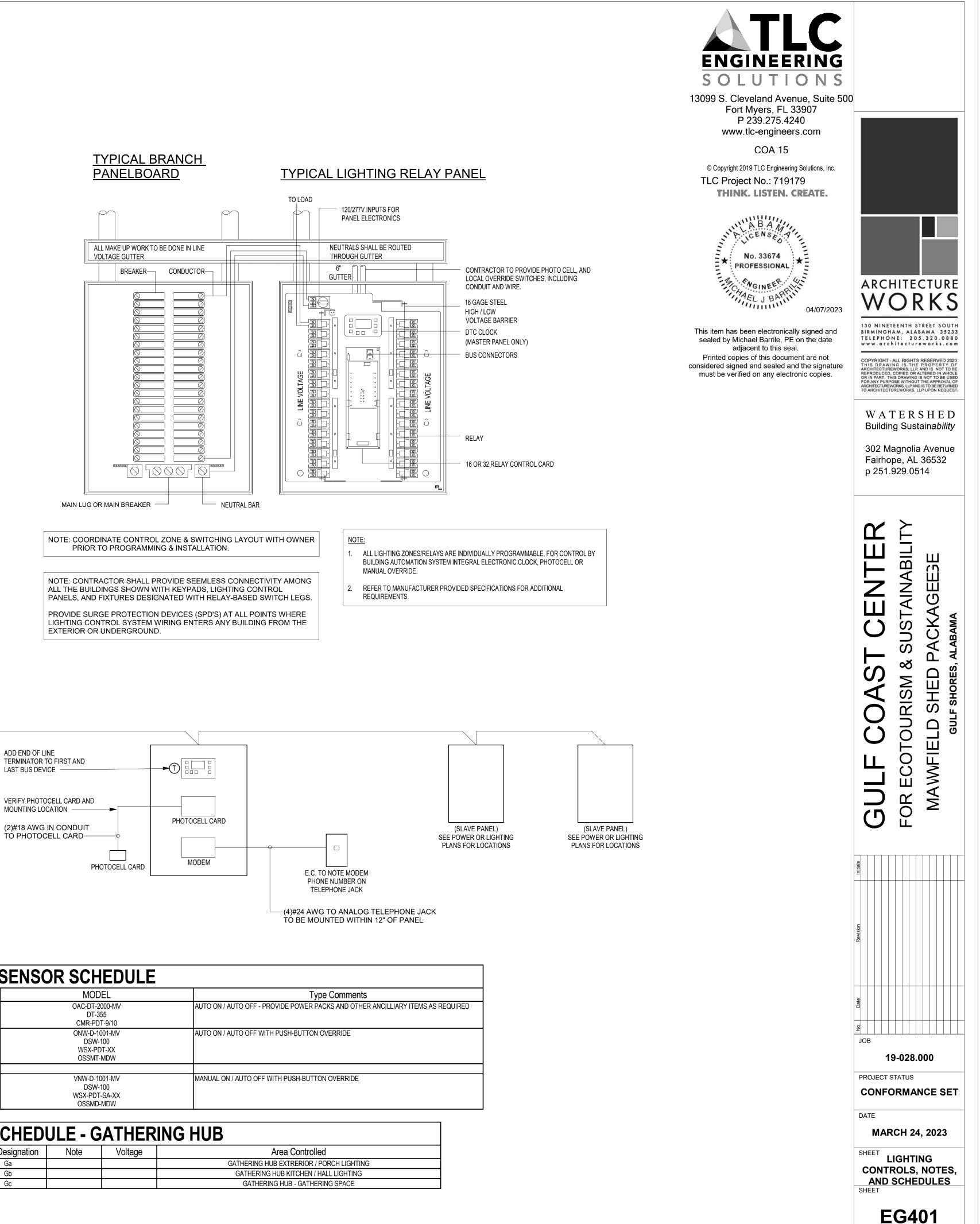


LOCATION

LOW VOLTAGE SWITCH REFER TO PLANS FOR



REFER TO PLANS FOR LOCATION



OCCUPANCY / VACANCY SENSOR SCHEDULE

CRIPTION	MANUFACTURER	MODEL	Type Comments
IPANCY SENSOR	GREENGATE WATTSTOPPER ACUITY	OAC-DT-2000-MV DT-355 CMR-PDT-9/10	AUTO ON / AUTO OFF - PROVIDE POWER PACKS AND OTHER ANCILLIARY
ANCY SENSOR WITH SINGLE LEVEL CONTROL	GREENGATE WATTSTOPPER ACUITY LEVITON	ONW-D-1001-MV DSW-100 WSX-PDT-XX OSSMT-MDW	AUTO ON / AUTO OFF WITH PUSH-BUTTON OVERRIDE
Y SENSOR WITH SINGLE LEVEL CONTROL	GREENGATE WATTSTOPPER ACUITY LEVITON	VNW-D-1001-MV DSW-100 WSX-PDT-SA-XX OSSMD-MDW	MANUAL ON / AUTO OFF WITH PUSH-BUTTON OVERRIDE

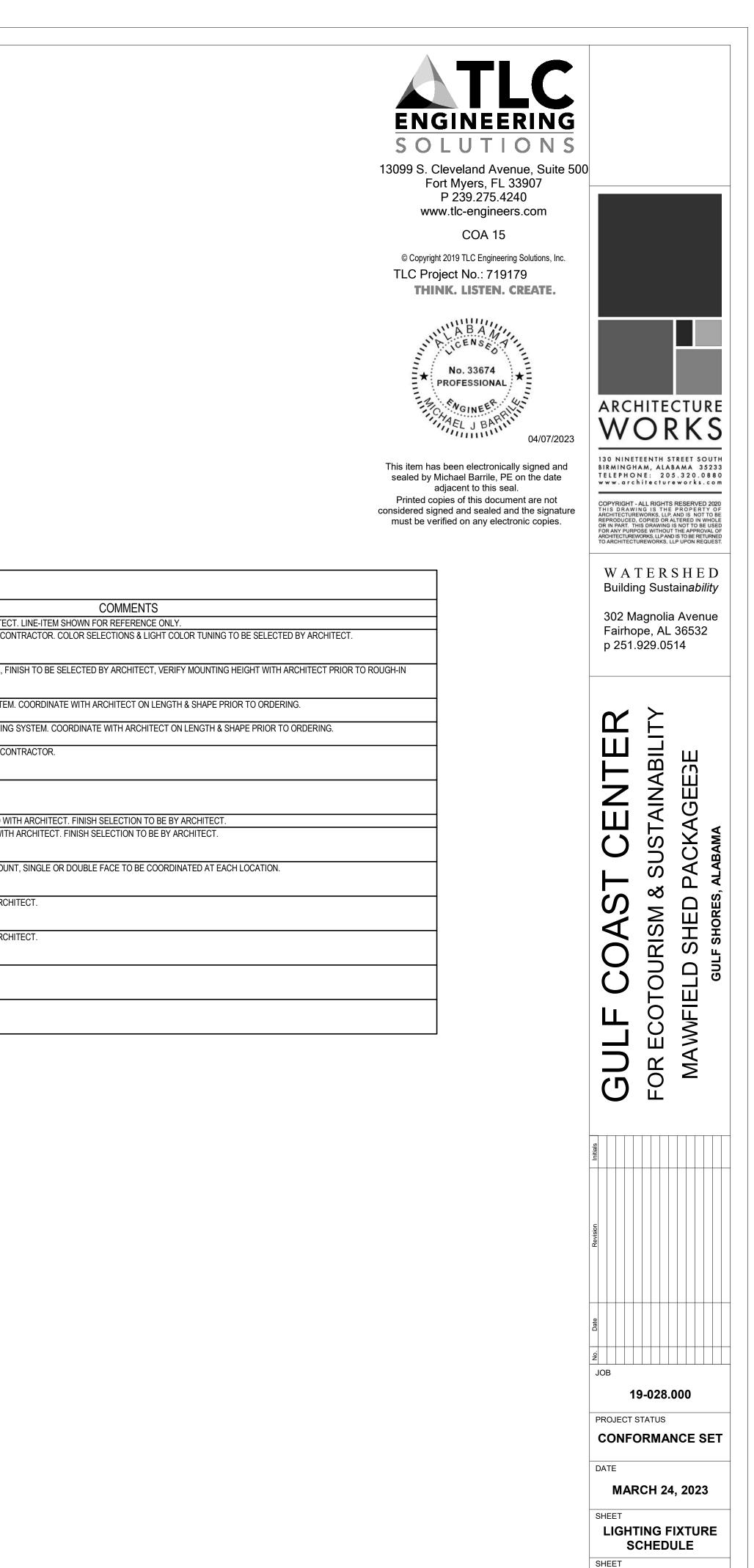
LIGHTING CONTROL RELAY SCHEDULE - GATHERING HUB

ber	Switch Type	Controlled By	Zone Designation	Note	Voltage	Area Controlled
	RELAY	ASTRONOMICAL TIME-CLOCK WITH KEYPAD OVERRIDE	Ga			GATHERING HUB EXTRERIOR / PORCH LIGHTING
	RELAY	ASTRONOMICAL TIME-CLOCK WITH KEYPAD OVERRIDE	Gb			GATHERING HUB KITCHEN / HALL LIGHTING
	RELAY	ASTRONOMICAL TIME-CLOCK WITH KEYPAD OVERRIDE	Gc			GATHERING HUB - GATHERING SPACE

TYPE	DESCRIPTION
F	ARCHITECTURAL GRADE CEILING FAN
LF1	4" LED TUNABLE WHITE DOWNLIGHT
LF2	DECORATIVE LED WALL CYLINDER FIXTURE
LF3	RECESSED "MOVE IT" DECROATIVE LED TRACK LIGHTING
LF4	SURFACE-MOUNT "MOVE IT" DECORATIVE DIRECT/INDIRECT LED TRACK LIGHTING
LF5	RECESSED 2" X 4' LED LINEAR FIXTURE
LF6	5 5/8" LED RECESSED DOWNLIGHT
LF7	DECORATIVE WALL-MOUNTED LED VANITY FIXTURE
LF8	SURFACE/PENDANT-MOUNT 2" X 4' LED LINEAR FIXTURE
LF9	RECESS-MOUNT, EDGE-LIT, LED EXIT SIGN
LF10	ARCHITECTURAL WALL-MOUNT LED FIXTURE
LF11	8" DIA. LED PENDANT MOUNT CYLINDER
LF13	DECORATIVE LED SITE BOLLARD FIXTURE
LF14	SECORATIVE LED SITE COLUMN LIGHT FIXTURE

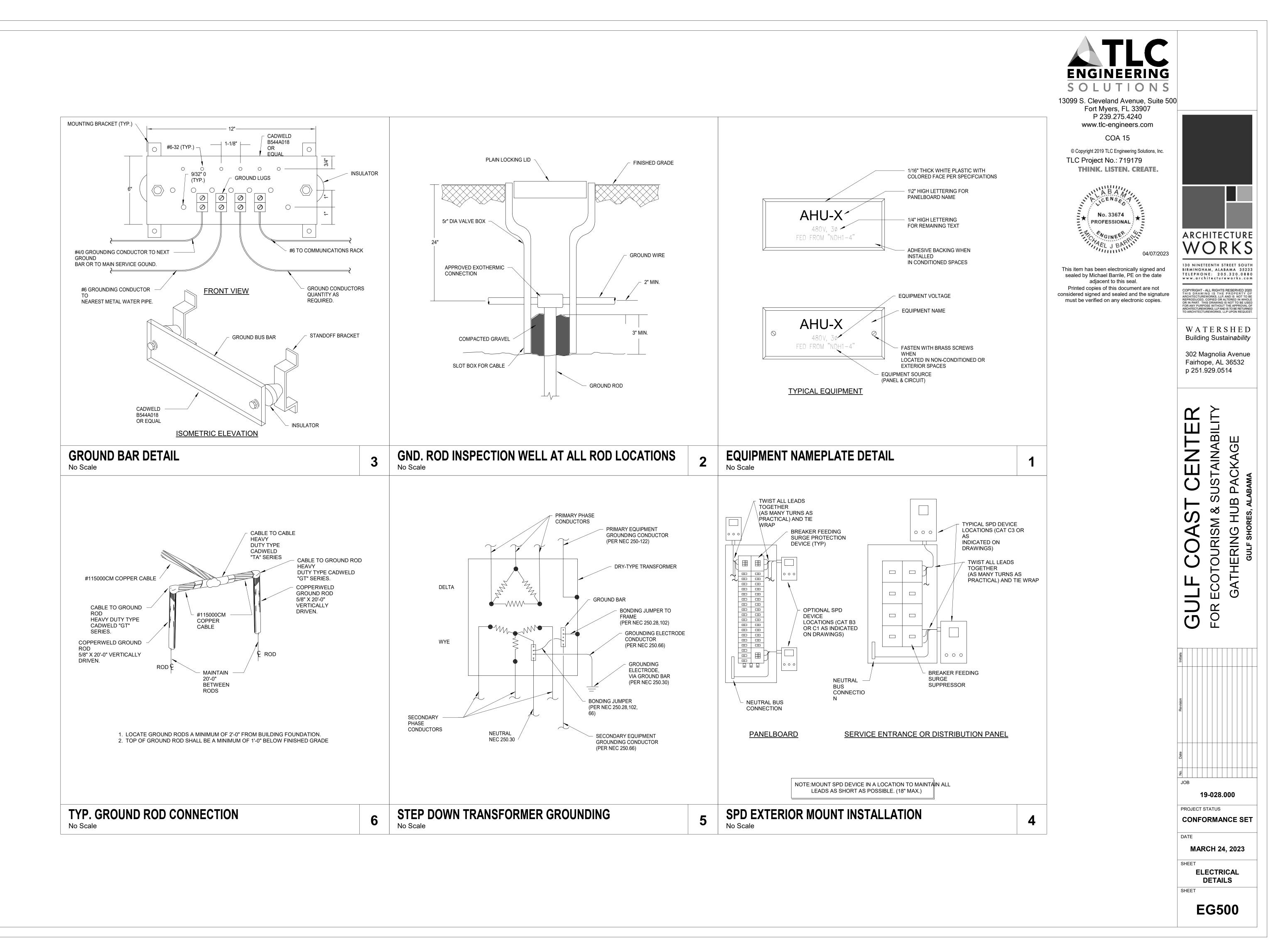
LIGHTING FIXTURE SCHEDULE

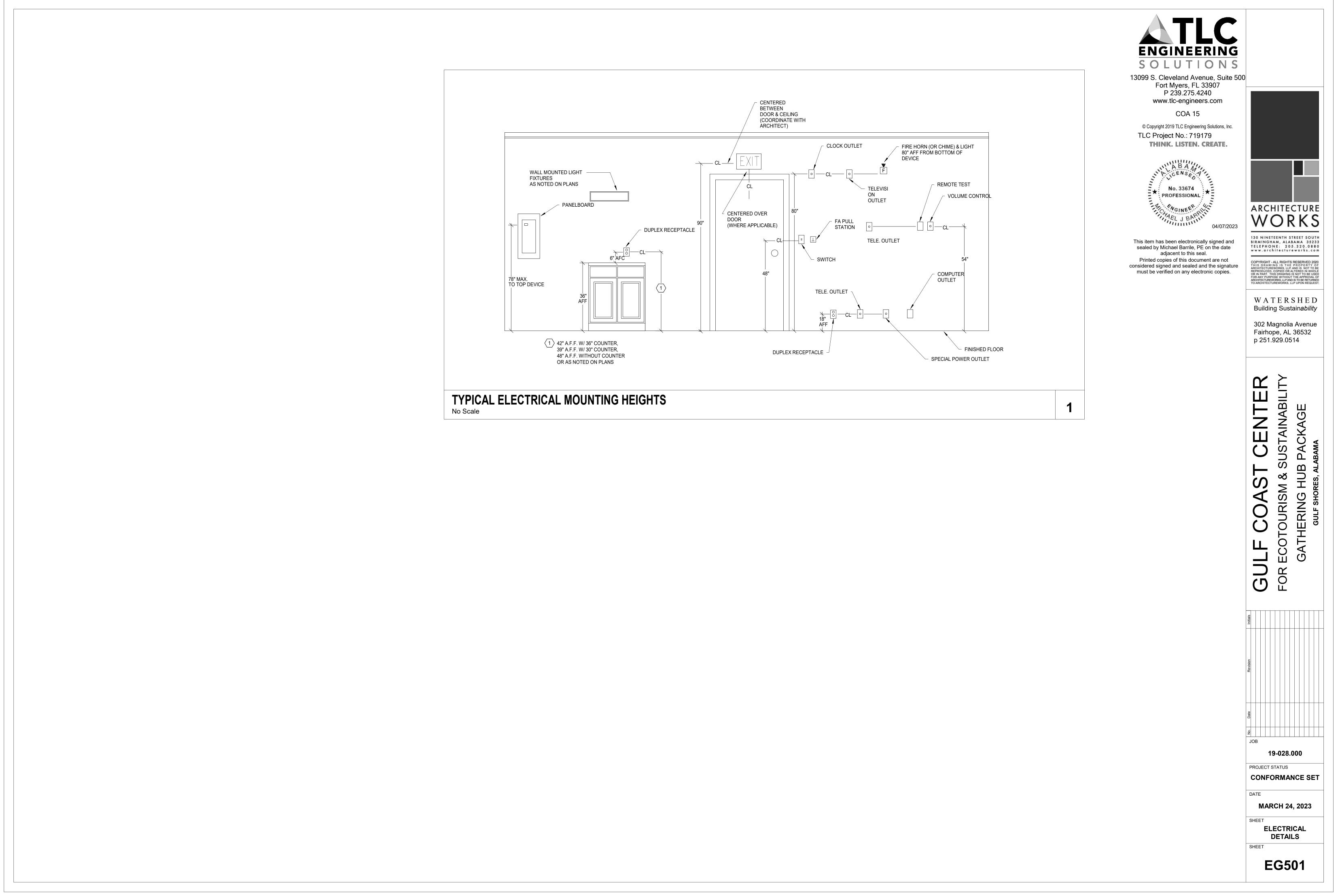
MANUFACTURER	MODEL	TYPE	
BY ARCHITECT	SELECTIONS BY ARCHITECT	LED	CEILING FANS TO BE SELECTED BY THE ARCHITECT
ALPHABET PORTFOLIO BOLD	NU4-RD-TW-13LM-2765-95-HE45-UNV-MOUNTING-COLOR LD4B15DE010W2N2765 EU4B1020W2N902765 4LBXXX CRF4-NIC-T-U-S-0-TW-F-FINISH-FINISH-11-D	LED	MOUNTING SELECTION TO BE DETERMINED BY CON
BEGA LIGMAN FC LIGHTING	24034 K35 UMV-30002-20W-N-W35 FCC400-11-WM-UNV-935-10L-FINISH-50-LD	LED	MOUNT FIXTURE 10'-0" ABOVE FINISHED GRADE, FIN
XAL LITELINE	MOVE1.2-RTL-BL-48V-010V-ST-XXFT KL-I-T-XX-C-X-R-BK	LED	DECORATIVE RECESSED TRACK LIGHTING SYSTEM.
XAL LITELINE	MOVE1.1-PDT-BL-BW-35K-C90-48V-010V-0500LF-ST-XXFT KL-I-F/S-XX-C-XX-X-BK/KL-SPOT-BK	LED	DECORATIVE SURFACE/PENDANT TRACK LIGHTING
FINELITE NEORAY MARK ARCHITECTURAL	HP-2-R-D-4'-S-935-F-96LG-120-SC-MOUNTING S122DR-S350D935-XX4F0-1-UDD-F-W SL2L-LOP-4FT-FLP-FL-90CRI-35K-1000LMF-MIN1-120	LED	MOUNTING SELECTION TO BE DETERMINED BY CON
BEGA LIGMAN LIGHTHEADED	24817 35K UMO-80012-21W-M-W35 2-116-T-04-BRO36-35-8014-WET / D4B-FVR-R-T-3-P-VOLT	LED	COLOR SELECTION TO BE BY ARCHITECT.
BEGA	50144-FINISH	LED	FINAL MOUNTING HEIGHT TO BE COORDINATED WIT
FINELITE NEORAY MARK ARCHITECTURAL	HP-2-SM-D-4'-S-935-F-96LG-120-SC-MOUNTING-FE-FINISH S122DM/DP-C350D935-XX-XX4F0-1-UDD-F S2LS-LLP-4FT-90CRI-1000LMF-MIN1-120-WHT	LED	COORDINATE SURFACE OR PENDENT MOUNT WITH /
DUAL-LITE SURE-LITES BEGHELLI	LECXRX-FINISH-E EUX7RXX OL2-SA-LR-1/2-C-CR-FINISH	LED	DIRECTIONAL CHEVRONS, WALL OR CEILING MOUNT
BEGA LIGMAN SISTEMALUX	33341 35K UGN-30031-2X12W-W35 S.7252W/MOD35K-DF-UNV-FINISH	LED	VERIFY FINISH AND MOUNTING HEIGHT WITH ARCHI
BEGA LIGMAN FC LIGHTING	24507 35K UJE-9511-39W-W-W35 FCC800-17-SPM/LENGTH-UNV-935-30L-FINISH-40-LD	LED	VERIFY FINISH AND MOUNTING HEIGHT WITH ARCHI
LIGMAN FC LIGHTING BEGA	ULI-10021-29W-T4-W35-FINISH-120/277V FCBT690-UNV-42-4K-19L-FINISH 88977 K35 FINISH 79 802	LED	VERIFY FINISH WITH ARCHITECT.
LIGMAN WE-EF LUMINIS	UBE-20011-20W-W35-FINISH-120/277V 645-3421 LQ641-L1L15-R2-LQP669-120/277-FINISH	LED	VERIFY FINISH WITH ARCHITECT.



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TECHNOLOGY SYSTEMS GENERAL NOTES

- REFER TO SPECIFICATION SECTION "TECHNOLOGY GENERAL PROVISIONS" FOR MORE INFORMATION ABOUT DRAWINGS AND BID DOCUMENTS.
- MANY SYMBOLS USED IN THIS PROJECT HAVE A TYPE ASSOCIATED WITH THEM. SEE SHEETS WITH DETAILS AND PROJECT SPECIFICATIONS FOR MORE INFORMATION ON THE DESCRIPTION OF EACH TYPE.
- ALL CONDUIT FOR TECHNOLOGY SYSTEMS INDOOR ABOVE GRADE SHALL BE EMT AND ALL CONDUIT FOR BELOW GRADE SHALL BE PVC.
- SEE LIFE SAFETY PLANS FOR LOCATIONS OF FIRE RATED PARTITIONS IN THIS PROJECT. PROVIDE AN APPROVED FIRE STOP SYSTEMS FOR EACH RACEWAY OR CABLE GOING THROUGH A RATED WALL. SEE SPECIFICATION "RACEWAYS FOR TECHNOLOGY" FOR MORE INFORMATION.
- WORKING CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL BE MAINTAINED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 110. COORDINATE EQUIPMENT INSTALLATION TO MAINTAIN REQUIRED CLEARANCES.
- SYMBOLS USED ON THE TECHNOLOGY DRAWINGS ARE NOT THE SAME SIZE AS THE ACTUAL OBJECT BEING REPRESENTED. THEREFORE LOCATIONS OF THE SYMBOLS ON THE FLOOR PLANS ARE AN APPROXIMATION TO THE ACTUAL LOCATION OF THE DEVICE AND NEED TO BE CAREFULLY COORDINATED WITH OTHER ELEMENTS IN THE VICINITY. AS A GENERAL GUIDELINE: A. VOICE/DATA OUTLET FOR WORK-AREAS SHALL BE INSTALLED WITHIN 6 INCHES OF A POWER OUTLET INDICATED IN
- ELECTRICAL DRAWINGS. TV OUTLETS SHALL BE INSTALLED WITHIN 6 INCHES OF A POWER OUTLET SHOWN ON THE ELECTRICAL DRAWINGS.
- WHEN MULTIPLE TECHNOLOGY SYSTEMS OUTLETS ARE INDICATED NEXT TO EACH OTHER WITH SYMBOLS, THE SPACING BETWEEN OUTLETS SHALL BE CONSISTENT IF NO ELEVATION IS SHOWN ON THE DRAWINGS. WHEN INSTALLER IS NOT CERTAIN ABOUT SPECIFIC ADJACENCIES OF A DEVICE, THE QUESTION SHALL BE ASKED TO THE ENGINEER PRIOR TO INSTALLATION.
- FOR EXACT LOCATION OF CEILING MOUNTED EQUIPMENT REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS OF EQUIPMENT NOT INCLUDED ON THE REFLECTED CEILING PLAN SHALL BE COORDINATED WITH THOSE ITEMS SHOWN. COORDINATION OF CEILING MOUNTED EQUIPMENT SHALL BE PRIOR TO ANY ROUGH-IN. NOTIFY ENGINEER OF ANY DISCREPANCY.
- LOCATIONS OF FLOOR BOXES AND FLOOR PENETRATIONS SHALL NOT BE MEASURED FROM THIS SET OF DRAWINGS. INSTALLER SHALL REQUEST PRECISE LOCATIONS FROM ARCHITECT.
- 9. EACH VOICE/DATA RJ45 JACK SHALL BE CONNECTED TO A DEDICATED 4 PR CABLE.
- 10. THE RESPONSIBILITY OF RACEWAY INSTALLATION SHALL BE AS DIRECTED BY THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR, BUT ALL RACEWAYS FOR TECHNOLOGY ARE TO BE INCLUDED IN THIS CONTRACT.
- WHEN CONDUIT RUNS ARE INDICATED ABOVE GRADE OR BELOW GRADE ON THESE DRAWINGS, NOT EVERY SINGLE JUNCTION BOX (OR COMMUNICATIONS VAULT) REQUIRED IS INDICATED ON THE DRAWINGS. TYPICALLY ONLY END POINT LOCATIONS OR SPECIFIC PASS-THROUGH LOCATIONS WHERE THE ENGINEER DESIRES A BOX ARE SHOWN ON THE DRAWINGS. SEE SPECIFICATION "RACEWAYS FOR TECHNOLOGY" FOR REQUIREMENTS THAT INDICATE ADDITIONAL JUNCTION BOXES OR COMMUNICATION VAULTS THAT SHALL BE PROVIDED UNDER THIS CONTRACT. SUCH REQUIREMENTS INCLUDE ADDITIONAL BOXES REQUIRED BECAUSE OF NUMBER OF CONDUIT BENDS OR CHANGES IN ELEVATION.
- 12. SOME SYMBOLS INCLUDED IN THE SYMBOL LEGEND MAY NOT BE USED IN THESE PROJECT DRAWINGS.
- 13. UNDER NO CONDITIONS, CONDUITS FOR LOW VOLTAGE FOR FLOOR BOXES SHALL BE DAISY CHAINED TOGETHER BETWEEN ADJACENT FLOOR BOXES. ALL CONDUITS FOR FLOOR BOXES SHALL BE HOME RUNS TO NEAREST ACCESSIBLE CEILING SPACE.
- 14. THIS SET OF DRAWINGS DOES NOT INDICATE ALL GROUNDING AND BONDING REQUIREMENTS FOR TECHNOLOGY SYSTEMS. REFER TO SPECIFICATION SECTION "GROUNDING FOR TELECOMMUNICATION SYSTEM" FOR ADDITIONAL REQUIREMENTS.
- 15. ALL CABLES FOR TECHNOLOGY SYSTEMS RUN UNDER SLAB OR BELOW GRADE IN CONDUITS STUBBING UP INSIDE THE TELECOM ROOM SHALL BE INDOOR/OUTDOOR RATED. FOR CONDUITS STUBBING UP IN OTHER LOCATIONS DIFFERENT FROM TELECOM ROOMS AND FURTHER THAN 50 FT. FROM A TELECOM ROOM. DO NOT USE INDOOR/OUTDOOR RATED CABLES
- 16. GRAPHICS USED FOR EQUIPMENT IN ELEVATIONS AND CHANNELS (LINE DRAWINGS) DO NOT NECESSARILY REPRESENT THE PART NUMBER OF THE EQUIPMENT SPECIFIED. THE PART NUMBERS LISTED IN THE DRAWINGS AND SPECIFICATIONS ARE TO BE FOLLOWED FOR BASIS OF DESIGN, NOT THE GRAPHICS.
- 17. THE TECHNOLOGY DRAWINGS DO NOT SHOW ALL REQUIRED CONDUITS/RACEWAYS TO BE PROVIDED UNDER THIS CONTRACT. TYPICALLY CONDUIT SLEEVES SMALLER THAN 2" ARE NOT SHOWN ON THE DRAWINGS. SEE SPECIFICATIONS "RACEWAYS FOR TECHNOLOGY" AND DRAWING DETAILS FOR ADDITIONAL RACEWAY REQUIREMENTS.
- DEFINITION OF ACRONYMS USED IN THESE DRAWINGS
- A. NIC (N.I.C.) NOT IN CONTRACT B. OFE (O.F.E.) = OWNER FURNISHED EQUIPMENT. SEE RESPONSIBILITY MATRIX FOR MORE INFORMATION. C. DHI (D.H.I.) = DOOR HARDWARE INSTALLER
- D. USC (U.S.C.) = UNDER SEPARATE CONTRACT.
- 19. ALL REQUIRED WALL PENETRATIONS, EXISTING AND NEW, SHALL MAINTAIN THE NEW WALL RATING AFTER CABLING HAS BEEN INSTALLED OR REMOVED.
- 20. ALL SPEAKERS MOUNTED IN A CEILING TILE SHALL BE CENTERED IN THE CEILING TILE.

SECURITY SYSTEM GENERAL NOTES

- SYMBOLS USED TO REPRESENT DEVICES SUCH AS CCTV CAMERAS, INTERCOM STATIONS, SECURITY WORKSTATIONS, CALL STATIONS, AND EMERGENCY PHONE STATIONS REQUIRE ONE (1) DATA DROP FOR SUCH DEVICE. THIS DATA DROP IS NOT SHOWN ON THE VOICE/DATA FLOOR PLANS, BUT SHALL BE PROVIDED FOLLOWING ALL REQUIREMENTS FOR VOICE/DATA DROPS INDICATED IN THE DRAWING DETAILS AND IN THE SPECIFICATION "STRUCTURED CABLING SYSTEM".
- ANY DATA DROPS FOR SECURITY DEVICES EXCEEDING 295 FT. OF PERMANENT LINK DISTANCE TO THE TELECOM ROOM WHERE CAMERA WILL BE WIRED TO, SHALL BE WIRED WITH FIBER OPTICS FOR HORIZONTAL CABLING AND A 2 CONDUCTOR AWG-16 CL2(P) CABLE. THE FIBER CABLE SHALL BE AS DESCRIBED IN SPECIFICATION "STRUCTURED CABLING SYSTEM". IF NO INDICATION IN SUCH SPECIFICATION, FIBER OPTIC CABLE SHALL BE A 2-STRAND OM1 CABLE WITH A SUITABLE JACKET FOR THE APPLICATION.
- ALL DOUBLE DOORS THAT ARE SHOWN WITH TWO DOOR POSITIONS SWITCHES ARE TO RECEIVE (1) DOOR POSITION SWITCH ON EACH DOOR LEAF AND SHALL REPORT AS ONE ALARM POINT.
- ALL CAMERAS, CARD READERS AND/OR KEYPADS DEDICATED FOR ELEVATOR FLOOR SELECTION CONTROL ARE SHOWN INSIDE THE ELEVATOR CAB ON THE LOWEST LEVEL FLOOR PLAN TO HIGH THE ELEVATOR TRAVELS.
- LOCATION OF SURVEILLANCE CAMERAS SHALL BE CLOSELY COORDINATED WITH OTHER TRADES TO AVOID OBSTRUCTIONS IN THE FIELD OF VIEW. IT IS NOT REQUIRED FOR CAMERAS TO BE MOUNTED IN CENTER OF A CEILING TILE (OR CENTER OF A HALLWAY) IF THAT LOCATION CAUSES AN OBSTRUCTION IN THE FIELD OF VIEW OF THE CAMERA. ALL CAMERAS ARE TO BE INSTALLED AS TO MINIMIZE THE OBSTRUCTIONS IN THE FIELD OF VIEW WITHIN A 4' RADIUS OF THE SPECIFIED LOCATION.
- SURVEILLANCE CAMERAS INDICATED IN THE CORNER OF A ROOM SHALL BE INSTALLED AS CLOSE AS PHYSICALLY POSSIBLE TO THE CORNER OF THE ROOM TO GAIN THE BEST FIELD OF VIEW FOR THAT CAMERA.
- EACH ACCESS CONTROLLED DOOR IN THE PROJECT HAS A DOOR IDENTIFIER SYMBOL THAT ASSOCIATES THE DOOR TO A CORRESPONDING ROUGH-IN DETAIL IN THE DRAWINGS AND A SPECIFIC FUNCTIONALITY OF THE DOOR IN THE SECURITY SPECIFICATIONS.

GENERAL

- ------ NEW EQUIPMENT
- EXISTING WORK AND/OR EQUIPMENT REFERENCE, SHOWN ON MULTIPLE DRAWINGS DEVICE TO BE REMOVED (DEMO PLANS) UNDERFLOOR CONDUIT (NEW PLANS)
- ---- MATCH LINE REFERENCING CONTINUATION ON OTHER DRAWINGS
- - - DETAIL AND/OR SECTION REFERENCE
- ---- CABLE ROUTING BOUNDARY

BASIC MAT

- ——O CONDUIT TURNED UP CONDUIT TURNED DOWN
- CAPPED CONDUIT
- ——] CONDUIT STUBBED AND BUSHED INTO ACCESSIB

CONDUIT SLEEVES

- X= QTY OF SLEEVES Y= SIZE OF CONDUITS SLEEVES PENETRATING IF NO QUANTITY INDICATED USE AS MANY SLE SECTIONAL AREA OF CABLE TRAY NEXT TO SL
- TTTT TUBULAR RUNWAY, HUNG ABOVE CEILING OR AS **EXAMPLE** CABLE TRAY (TYPE), HUNG ABOVE CEILING OR AS
- SURFACE MOUNTED ENCLOSED TECHNOLOGY S ADDITIONAL INFORMATION
- JUNCTION BOX WALL MOUNTED. SIZE PER NEC IF J INTERIOR, NEMA 4X FOR EXTERIOR USE WITH HING
- JUNCTION BOX CEILING MOUNTED. SIZE PER NEC (\mathbf{J}) INTERIOR, NEMA 4X FOR EXTERIOR USE WITH HIN
- TELECOMMUNICATIONS GROUND VAULT. SEE DE
- V_X X= BOX TYPE. IF NOT SHOWN, ONLY ONE TYPE IN TELECOMMUNICATIONS PULLBOX. SEE DETAILS A
- PB X= BOX TYPE. IF NOT SHOWN, ONLY ONE TYPE IN I TP TECHNOLOGY POLE. SEE SHEETS WITH DETAILS

DRAWING NOTES ANI

- $\langle x \rangle$ DRAWING KEYED NOTES
- CABLE ROUTING NOTES $\langle \! \rangle$
- $\begin{pmatrix} X \\ X \end{pmatrix}$ DETAIL OR SECTION REFERENCE TAG

AUDIO VISUAL E

- CEILING MOUNTED SPEAKER X= SPEAKER TYPE (SX) Y= SPEAKER ZOINE Y-Z Z= DENOTES SPEAKER # IN ZONE W W= DENOTES SPEAKER WATTAGE TAP NO ZONE INDICATES LOCAL ZONE FOR A/V SYSTE WALL MOUNTED SPEAKER X= SPEAKER TYPE Y= SPEAKER ZONE - SX -Z Z= DENOTES SPEAKER # IN ZONE W. W= DENOTES SPEAKER WATTAGE TAP +H= MOUNTING HEIGHT IN INCHES AT CENTER OF NO ZONE INDICATES LOCAL ZONE FOR A/V SYSTE VOLUME CONTROL, WALL MOUNTED +H = MOUNTING HEIGHT IN INCHES AT CENTER OF FT FLIP TOP DEVICE MOUNTED ON TABLE SENS MICROPHONE FOR AMBIENT NOISE, WALL M +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF (SM) SENS MICROPHONE FOR AMBIENT NOISE, CEILING MICROPHONE, DESK MOUNTED MX X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PRO-MICROPHONE, WALL MOUNTED - MX $_{++}^{I}$ X= DENOTES TYPE OF OUTLET, IF NOT SHOWN, C +H= MOUNTING HEIGHT IN INCHES AT CENTER OF MICROPHONE, CEILING MOUNTED X X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJ WIRELESS ANTENNA FOR WIRELESS MICRPHONE +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF TOUCH SCREEN FOR AUDIO/VIDEO CONTROL, DES TS X= DENOTES TYPE OF OUTLET, SEE RISER FOR M
- TOUCH SCREEN FOR AUDIO/VIDEO CONTROL, WA - TS X= DENOTES TYPE OF OUTLET, SEE RISER FOR M
- +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF HAVXID CAMERA FOR AV SYSTEM, WALL MOUNTED
- +H= MOUNTING HEIGHT IN INCHES AT CENTER OF CAMERA FOR AV SYSTEM, CEILING MOUNTED AVXII X= DENOTES TYPE OF OUTLET, SEE RISER FOR M
- ASSISTED LISTENING TRANSMITTER, WALL MOUN
- -ACT +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF ROOM SCHEDULING PANEL, WALL MOUNTED, INC -RS X= DENOTES TYPE OF OUTLET, SEE RISER FOR M +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF
- AUDIO VISUAL DISPLAY TT TT = DISPLAY TYPE WITH MOUNT
- +YY XX= SCREEN SIZE YY= HEIGHT TO CENTER OF SCREEN
- INTERACTIVE WHITEBOARD TT= DISPLAY TYPE WITH MOUNT
- ^{^^}_{+YY} XX= SCREEN SIZE YY= HEIGHT TO CENTER OF SCREEN
- OVERHEAD PROJECTOR WITH MOUNT X 0 X= TYPE
- Y= LENS THROW RATIO
- X = DIAGONAL DIMENSION IN INCHES
- X= DIAGONAL DIMENSION IN INCHES
- S_{LV}
- X= DENOTES TYPE OF OUTLET, IF NOT SHOWN, O AV PLATE OUTLET, REFER TO DETAIL SHEETS
- +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF
- PULLDOWN PROJECTION SCREEN MOTORIZED PROJECTION SCREEN WALL SWITCH FOR MOTORIZED SCREEN PODIUM FOR AV EQUIPMENT, REFER TO DETAIL S X= DENOTES TYPE OF OUTLET, SEE DETAIL FOR I

ERIALS	VIDEO SURVEILLANCE SYSTEMS	
	PAN/TILT/ZOOM CCTV CAMERA, WALL MOUNTED $X_{X,C} X = CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER$	
		X= MOUNTING: (I W,WP P= POLE, L= FLO XNYZ N= NUMBER OF I
LE CEILING CAVITY	$f_{X,C} X = CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER$	XNYZN= NUMBER OF IUY= NOT USED+HZ= NUMBER OF F
	$-\bigcirc_{X,C} X$ = CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER	U= USER(IF APPI +H= INSTALLATIO
	$\bigcup_{X,C} X$ = CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER	ELECTRICAL. IF I W= WALL TELEP
G WALL ABOVE CEILING SPACE.	180° CCTV CAMERA, WALL MOUNTED X,C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER	OF OUTLET AND WP=WEATHERP
EVES AS REQUIRED TO MATCH CROSS	$\mathbb{D}_{X,C}^{180^{\circ}}$ CCTV CAMERA, CEILING MOUNTED X,C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER	EXAMPLE: F2 = T
LEEVE.	$x_{x,C} = CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NOMBER180° MULTI-IMAGER CCTV CAMERA, WALL MOUNTED$	
NOTED S NOTED	180° MULTI-IMAGER CCTV CAMERA, WALL MOUNTED X,C X = CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER	SY Y: AS DESCRIBED FO
YSTEMS. SEE SHEETS WITH DETAILS FOR	180° MULTI-IMAGER CCTV CAMERA, CEILING MOUNTED X,C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER	+H +H= IF NOT SHOWN,
NOT INDICATED ON DRAWING. NEMA 1 FOR	$-\bigcirc$ 360° CCTV CAMERA, WALL MOUNTED X,C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER	CEILING MOUNTED I XY: AS DESCRIBED F
IGED COVER AND LOCKING COVER	360° CCTV CAMERA, CEILING MOUNTED	
IF NOT INDICATED ON DRAWING. NEMA 1 FOR	360° CCTV CAMERA, CEILING MOUNTED X,C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER 360° MULTI-IMAGER CCTV CAMERA, WALL MOUNTED	WAP OUTLET FOR WIREL XY Y: AS DESCRIBED FO
TAILS AND SPECS FOR MORE INFORMATION	$\bigvee_{X,C} X$ = CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER	+H +H= MOUNTING HEI
PROJECT AND SPECS FOR MORE INFORMATION	360° MULTI-IMAGER CCTV CAMERA, CEILING MOUNTED X,C X= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER	WAP OUTLET FOR WIREL
PROJECT	CCTV FLAT PANEL DISPLAY WITH MOUNT	U: AS DESCRIBED F
FOR ADDITIONAL INFORMATION	+YY YY= HEIGHT TO CENTER OF SCREEN	FYZ FLOORBOX SCH
D DESIGNATIONS	SECURITY SYSTEM WORKSTATION, DESK MOUNTED	F= FLOOR COND Y= DENOTES # C
J DESIGNATIONS	ELECTRONIC SECURITY SYSTEM	Z= DENOTES # C Z= DENOTES PL/ LN= AS DESCRIB
	CR CARD READER, WALL MOUNTED	U: AS DESCRIBE
	CK CARD READER WITH INTEGRATED KEYPAD, WALL MOUNTED	POKE-THRU FOR
	BR BIOMETRIC ACCESS CONTROL DEVICE, WALL MOUNTED	FLOOR BOX SCH
EQUIPMENT		Y= DENOTES PO Z= DENOTES PL
	IP WIRED IP LOCK, DOOR MOUNTED WM WIRELESS MORTISE LOCK, DOOR MOUNTED	LN= AS DESCRIB U: AS DESCRIBE
	WC WIRELESS CYLINDRICAL LOCK, DOOR MOUNTED	FLOOR BOX USED T
EM IN ROOM	IK INTRUSION ALARM KEYPAD	(FF) X= TYPE, IF NOT SHO
	ELECTRIC MORTISE LOCK OR ELECTRIC TRIM	$(PP)_X X = TYPE, IF NOT SHO$
	DELAYED EGRESS LATCH LOCK	AV BACKBOX, INSTA
		U G= DENOTES # OF G +H XY= AS DESCRIBED
DEVICE	 € ELECTRIC CYLINDRICAL LOCK € ELECTRIC LATCH RETRACTION LOCK 	U: AS DESCRIBED FO +H= MOUNTING HEIO
EM IN ROOM		RECESS IN-WALL ST
OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF	ELECTRONIC DETENTION LOCK	U G= DENOTES # OF G
<i>I</i> OUNTED		+H XY= AS DESCRIBED U: AS DESCRIBED F
OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF		+H= MOUNTING HEI
G MOUNTED	DPS DOOR POSITION SWITCH BMS BALANCED MAGNETIC SWITCH	POWER POLE FOR C PP X = TYPE, IF NOT SHO
JECT		FIBER OPTICS R
NLY ONE TYPE	ALARM BLUE LIGHT WALL MOUNTED	N-XX-Z XX= DENOTES FI Z= DENOTES RU
OUTLET	-BL +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF	REFER TO FIBER
JECT	LOCAL ALARM - HORN/STROBE, WALL MOUNTED +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF	
, WALL MOUNTED FOUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF	SIREN ALARM FOR INTRUSION DETECTION, WALL MOUNTED	COVERAGE OF EACH TELECO VOLTAGE CABLES CAN BE RU
SK MOUNTED	ASSISTANCE STATION, WALL MOUNTED	
IORE INFO, IF NOT SHOWN, ONLY ONE TYPE ALL MOUNTED, INCLUDES BACK BOX	 X X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO SPECIFICATION FOR TYPE +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF 	
IORE INFO, IF NOT SHOWN, ONLY ONE TYPE	ASSISTANCE STATION (BLUE LIGHT), TOWER STATION AS_{X} X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO SPECIFICATION FOR TYPE	
	INTERCOM SUBSTATION (DOOR STATION), WALL MOUNTED	
IORE INFO, IF NOT SHOWN, ONLY ONE TYPE	 X X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO RISER FOR TYPE +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF 	
IORE INFO, IF NOT SHOWN, ONLY ONE TYPE	INTERCOM MASTER STATION, DESK MOUNTED X X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO RISER FOR TYPE	COVERAGE FOR
ITED		
OUTLET LUDES BACK BOX	X X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT, REFER TO RISER FOR TYPE +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF	
IORE INFO, IF NOT SHOWN, ONLY ONE TYPE FOUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF	CALL STATION (THROUGH PHONE LINE) FOR BUILDING ENTRY, WALL MOUNTED	
OUTLET, IL NOT SHOWN, INSTALL AT 4-0 AT	+H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4-0 AFF	Sheet Number
	XXX DOOR TTPE IDENTIFIER X= TYPE (A1,C3,B6) REFER TO SECURITY DOOR DETAILS	
	DOOR RELEASE BUTTON, WALL MOUNTED A X= A: ADA ACCESSIBLE - (PALM ACTUATOR), W: HAND WAVE, NO TYPE: REGULAR PUSH BUTTON	TC000
	O DOOR RELEASE BUTTON, DESK MOUNTED	TG000
	REX REQUEST TO EXIT DEVICE (IR SENSOR), MOUNT CENTERED ABOVE DOOR FRAME GLASS BREAK SENSOR, WALL MOUNTED	
	H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF	TG100
	GB GLASS BREAK SENSOR, CEILING MOUNTED	
	GP GATE PEDESTAL GO ELECTRIC GATE OPERATOR	TG500
SHEETS	 DURESS PANIC BUTTON, MOUNTED UNDER DESK MD MOTION DETECTOR, WALL MOUNTED, MOUNT 6" BELOW CEILING OR 8'-0" AFF MAX 	
ONLY ONE TYPE IN PROJECT	MOTION DETECTOR, 360 DEGREE SENSOR, CEILING MOUNTED	
MORE INFO, IF NOT SHOWN, ONLY ONE TYPE	DURESS PANIC BUTTON, WALL MOUNTED -IA +H +H= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF	
OUTLET, IF NOT SHOWN, INSTALL AT 1'-6" AFF	(A) INFANT ABDUCTION SYSTEM, CEILING MOUNTED ABOVE DOOR	
	CONTROLLED DOOR INTERLOCK GROUP. PROGRAMMED SO ONLY ONE DOOR CAN BE OPEN AT A	
	ACCESS CONTROL DOOR DIRECTION, A1/A2 - REPRESENTS ACCESS CONTROL PATH FREE - NO ACCESS CONTROL	
	$ \begin{array}{c} \overline{A1} \\ R - CARD \\ READER \\ R - BIOMETRIC - BIOMETRIC READER \\ R - CARD \\ R - CA$	
	CR/KP - CARD READER AND KEYPAD MONITORED - DOOR MONITORED	
		1

VOICE AND DATA SYSTEM

CATION OUTLET (E= EXISTING, F= FLUSH, S= SURFACE, M= MODULAR FURNITURE ADAPTER, OR. R= RACEWAY) DATA CABLES IN THE FACEPLATE

FIBER OPTIC STRANDS IN THE FACEPLATE

LICABLE) ON HEIGHT IN INCHES AT CENTER OF OUTLET, COORDINATE WITH NOT SHOWN INSTALL AT TYPICAL RECEPTACLE HEIGHT. PHONE FACEPLATE WITH SUPPORT STUDS, INSTALLED AT 48" AFF AT CENTER) 12" FROM EDGE OF WALL.

TWO DATA JACKS IN A SINGLE FACEPLATE, FLUSH MOUNTED IANICAL/ ELECTRICAL/ FIRE ALARM/ ELEVATOR/ STAR CONNECTION

OR TELECOMMUNICATIONS OUTLET OR TELECOMMUNICATIONS OUTLET , COORDINATE EXACT LOCATION WITH DEVICE INFORMATION OUTLET, MOUNTED ON FINISHED CEILING FOR TELECOMMUNICATIONS OUTLET

OR TELECOMMUNICATIONS OUTLET LESS ACCESS POINT, WALL MOUNTED OR TELECOMMUNICATIONS OUTLET OR TELECOMMUNICATIONS OUTLET

GHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF LESS ACCESS POINT, MOUNTED ON FINISHED CEILING FOR TELECOMMUNICATIONS OUTLET OR TELECOMMUNICATIONS OUTLET

R TECHNOLOGY SYSTEMS AND POWER OUTLETS. REFER TO POKE-THRU/ EDULE FOR MORE INFORMATION DITION: (C= CONCRETE TYPE, G= GRADE, R= RAISED FLOOR, W= WOOD)

OF GANGS (1.2.3...) ATE TYPE (A,B,C....), A= NO AUDIO/VISUAL BED FOR TELECOMMUNICATIONS OUTLET ED FOR TELECOMMUNICATIONS OUTLET

R TECHNOLOGY SYSTEMS AND POWER OUTLETS. REFER TO POKE-THRU & HEDULE FOR MORE INFORMATION

DKE-THRU SIZE (4=4", 6=6" 8=8".....) ATE TYPE (A,B,C....), A= NO AUDIO/VISUAL BED FOR TELECOMMUNICATIONS OUTLET ED FOR TELECOMMUNICATIONS OUTLET

TO FEED CABLES TO MODULAR FURNITURE, REFER TO DETAIL SHEET IOWN, ONLY ONE TYPE IN PROJECT

TO FEED CABLES TO MODULAR FURNITURE, REFER TO DETAIL SHEET IOWN, ONLY ONE TYPE IN PROJECT ALLED BEHIND DISPLAY/ CREDENZA RACK, COORDINATE BACKBOX PRIOR TO

TO DETAIL & SCHEDULE FOR MORE INFORMATION GANGS FOR TELECOMMUNICATIONS OUTLET

OR TELECOMMUNICATIONS OUTLET IGHT IN INCHES AT CENTER OF DEVICE

TORAGE BOX, INSTALLED BEHIND DISPLAY, COORDINATE BACKBOX PRIOR TO TO DETAIL & SCHEDULE FOR MORE INFORMATION GANGS

FOR TELECOMMUNICATIONS OUTLET OR TELECOMMUNICATIONS OUTLET

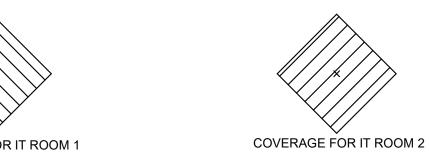
IGHT IN INCHES AT CENTER OF DEVICE COMBINED USE - TECHNOLOGY SYSTEMS AND POWER. IOWN, ONLY ONE TYPE IN PROJECT

OUTING TAG FOR BACKBONE CABLING ONNECTION TYPE (P=PRIMARY, S=SECONDARY) IBER STAND QUANTITY

JN NUMBER R OPTICS RISER FOR MORE INFORMATION.

COVERAGE FOR IDF

OM ROOM. THE SHADED REGIONS REPRESENT THE MAXIMUM DISTANCE LOW UN FROM EACH IDF.



T - GATHER SHEET LIST TLC Sub Discipline Sheet Name

TECHNOLOGY LEGEND AND SHEET INDEX	GATHER
GATHERING HUB TECHNOLOGY FLOOR PLAN	GATHER
TECHNOLOGY DETAILS	GATHER



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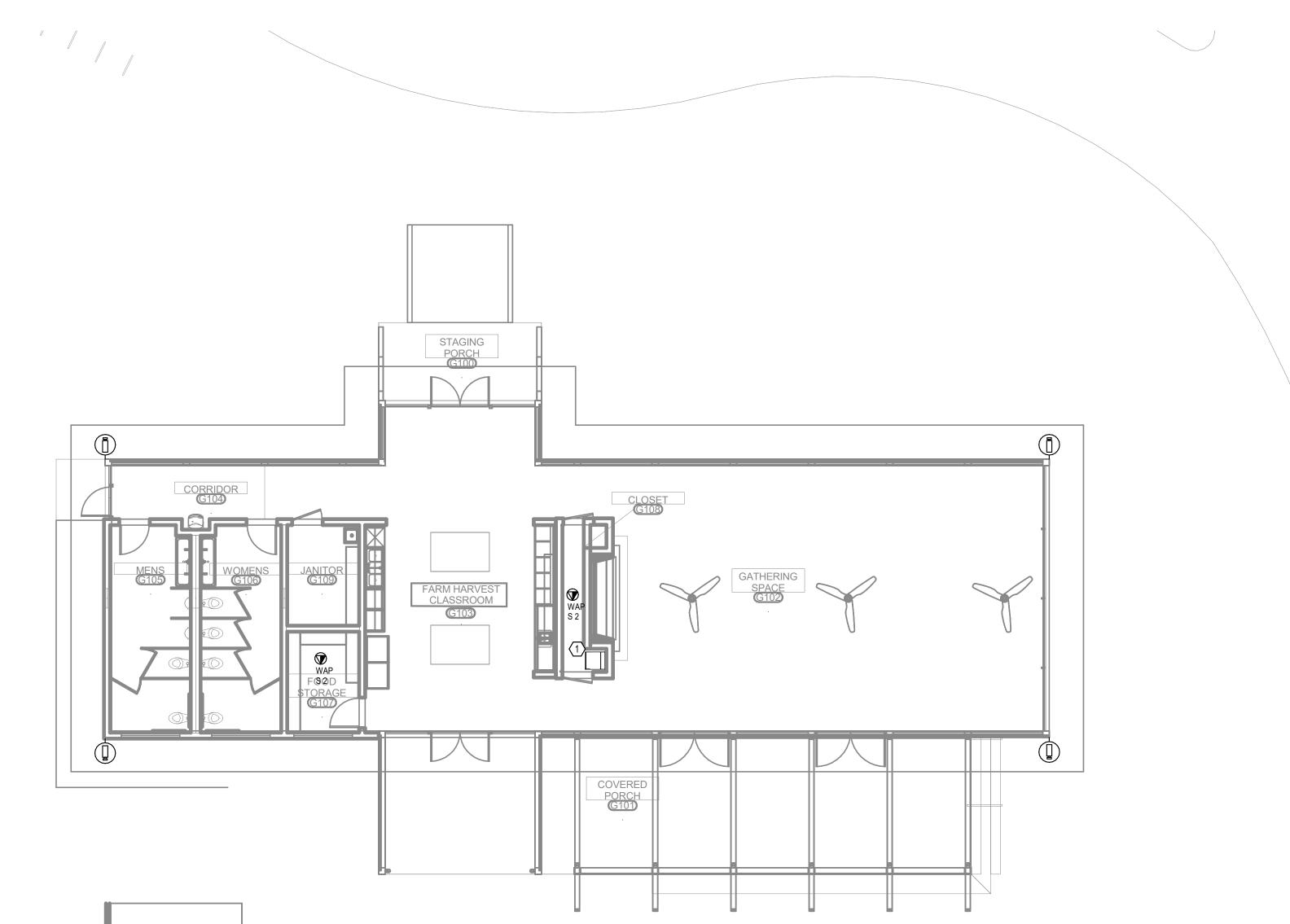


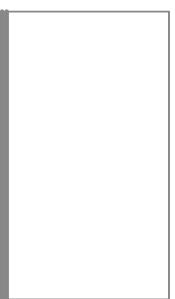
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GULF COAST CENTER	FOR ECOTOURISM & SUSTAINABILITY	GATHERING HUB PACKAGE	GULF SHORES, ALABAMA					
Initials								
Revision								
Date								
ů v								
JOB	9-028.	000						
PROJECT STATUS								
CONFORMANCE SET								
DATE MARCH 24, 2023								
SHEET TECHNOLOGY LEGEND AND SHEET INDEX SHEET								









TECHNOLOGY KEYED NOTES

1 PROVIDE WALL MOUNTED EQUIPMENT RACK MOUNTED TO 3/4" PLYWOOD BACKBOARD. DESIGN SELECTION: DWR-12-26PD

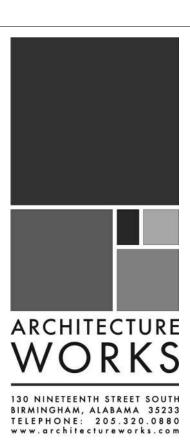


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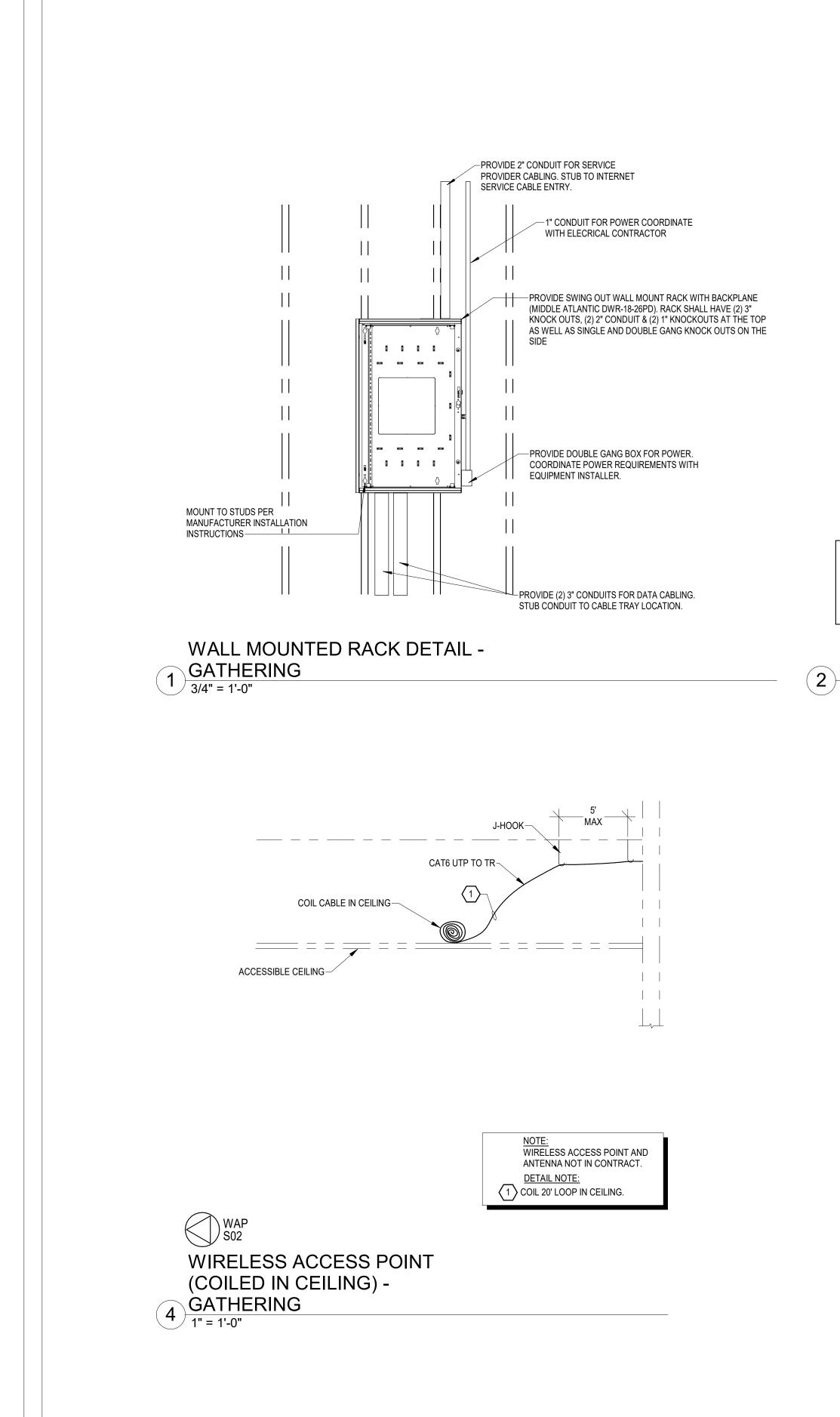
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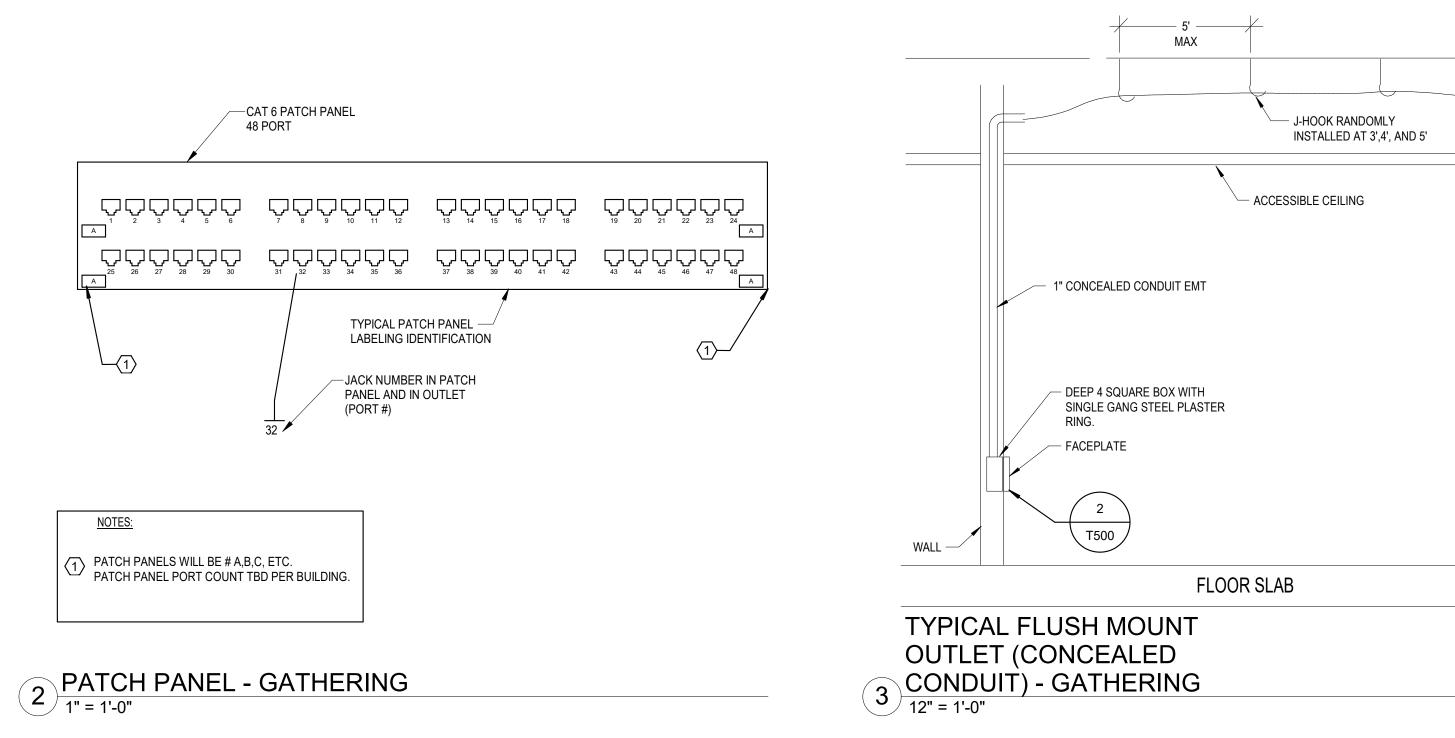
W A T E R S H E D Building Sustain*ability*

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FOR ECOTOURISM & SUSTAINABILITY GATHERING HUB PACKAGE GULF SHORES, ALABAMA CENTER S T COA GULF . Ž JOB 19-028.000 PROJECT STATUS CONFORMANCE SET DATE MARCH 24, 2023 SHEET GATHERING HUB TECHNOLOGY FLOOR PLAN

TG100







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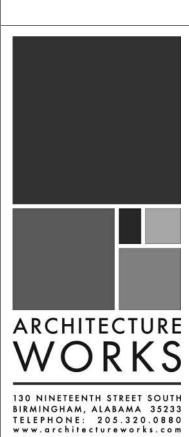
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mm

04/07/2023



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WATERSHED Building Sustainability

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SUSTAINABILITY 3 PACKAGE -abama CENTER S S T S FOR ECOTOURISM & GATHERING F GULF SHORI COA GULF Ň JOB 19-028.000 PROJECT STATUS CONFORMANCE SET DATE MARCH 24, 2023 SHEET TECHNOLOGY DETAILS SHEE TG500

