

# GULF COAST CENTER FOR ECOTOURISM & SUSTAINABILITY

## FIELD SHED PACKAGE

600C E 15TH AVE, GULF SHORES, ALABAMA

### DESIGN TEAM

Architect of Record	Local Architect	Civil Engineer	Structural Engineer	Mechanical Engineer	Plumbing Engineer	Electrical Engineer	Landscape Architect	Interior Designer
ArchitectureWorks 130 Nineteenth Street South Birmingham, Alabama 35233 205.320.0880	WATERSHED 302 Magnolia Avenue Fairhope, Alabama 36532 251.929.0514	Thompson Engineering 2970 Cottage Hill Road, Suite 190 Mobile, Alabama 36606 251.666.2443	Thompson Engineering 2970 Cottage Hill Road, Suite 190 Mobile, Alabama 36606 251.666.2443	TLC Engineering Solutions 13099 South Cleveland Avenue, Suite 500 Fort Myers, Florida 33907 239.275.4240	TLC Engineering Solutions 13099 South Cleveland Avenue, Suite 500 Fort Myers, Florida 33907 239.275.4240	TLC Engineering Solutions 13099 South Cleveland Avenue, Suite 500 Fort Myers, Florida 33907 239.275.4240	Watermark Design Group 2970 Cottage Hill Road, Suite 200 Mobile, Alabama 36606 251.944.5515	Hatcher Schuster Interiors 2213 Morris Avenue, Suite 300 Birmingham, Alabama 35203 205.324.9442
Jay Pigford	Rebecca Bryant	Charles Weber	Casey Brown	Matthew Wiechart	Matthew Wiechart	Mike Barrile	Christopher Grant	Ivy Schuster

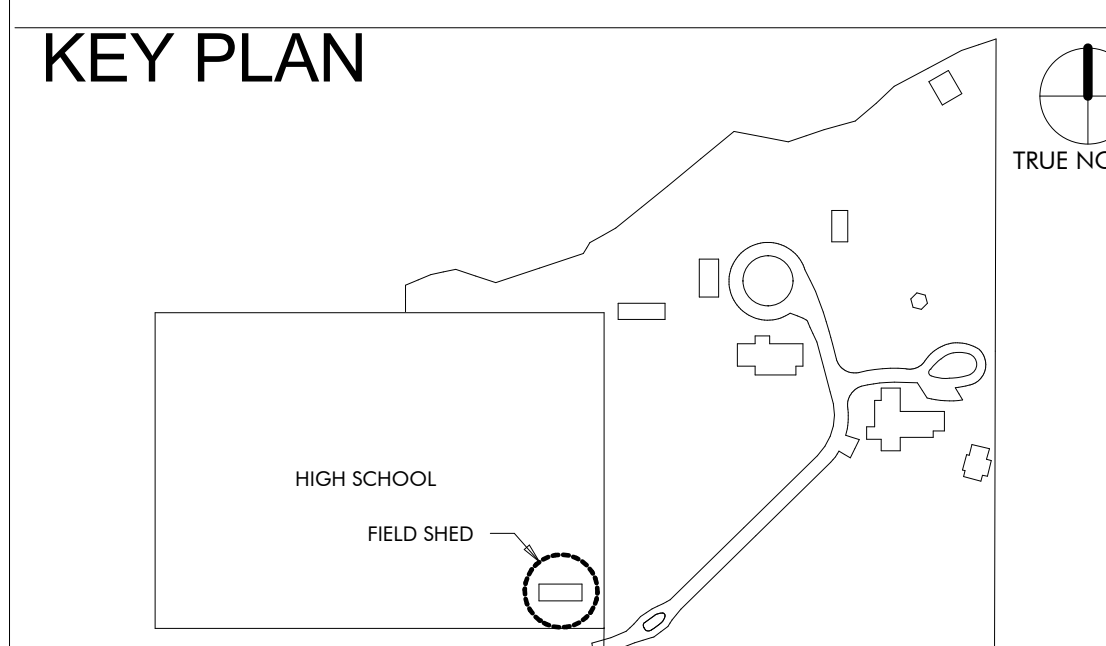
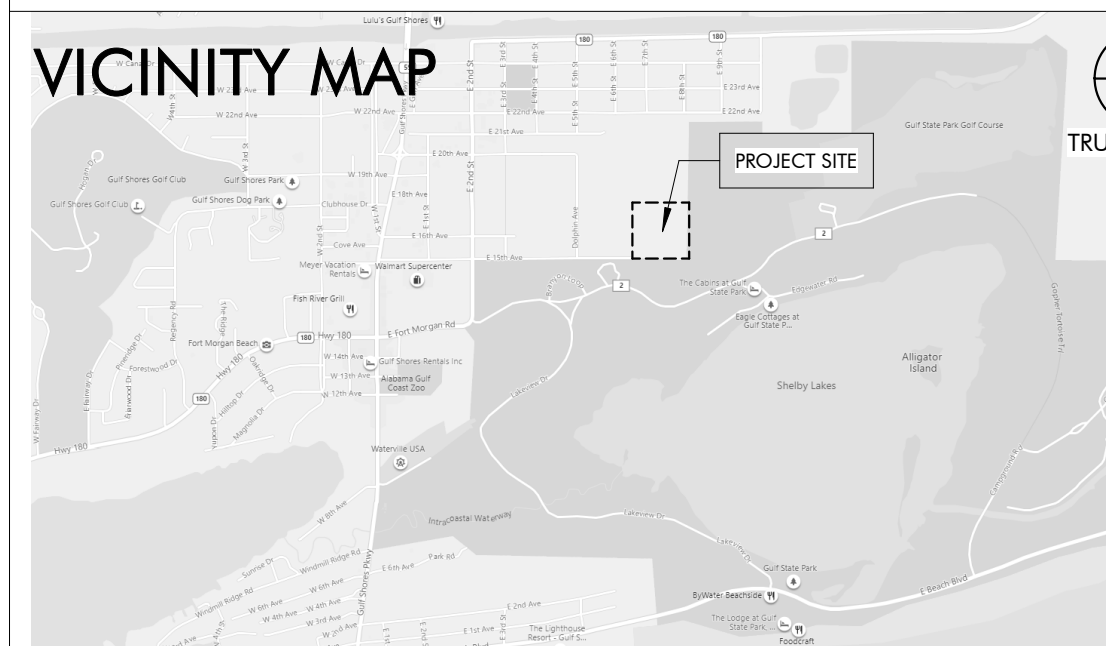
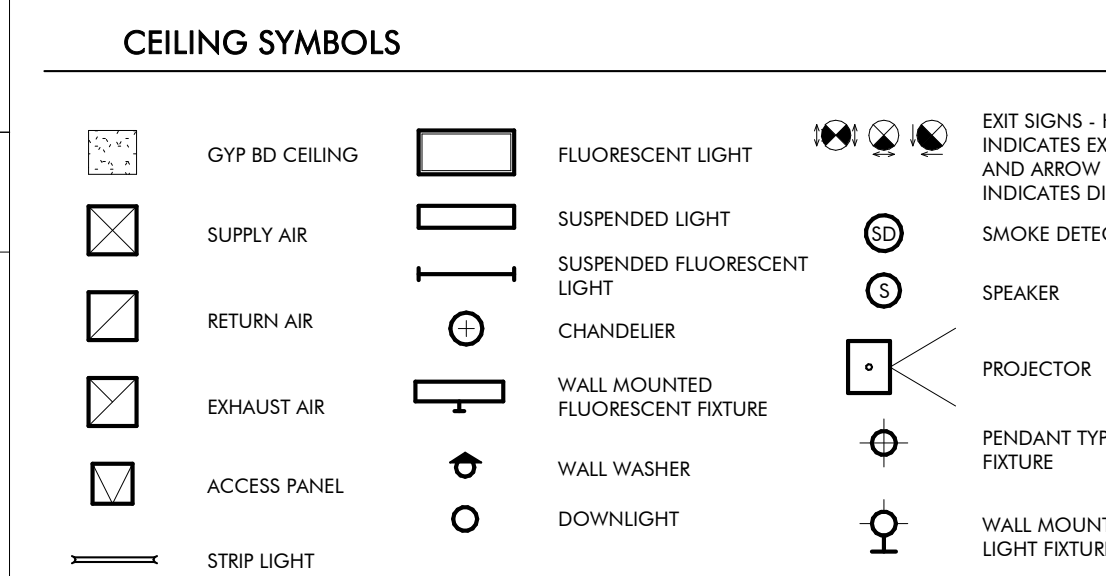
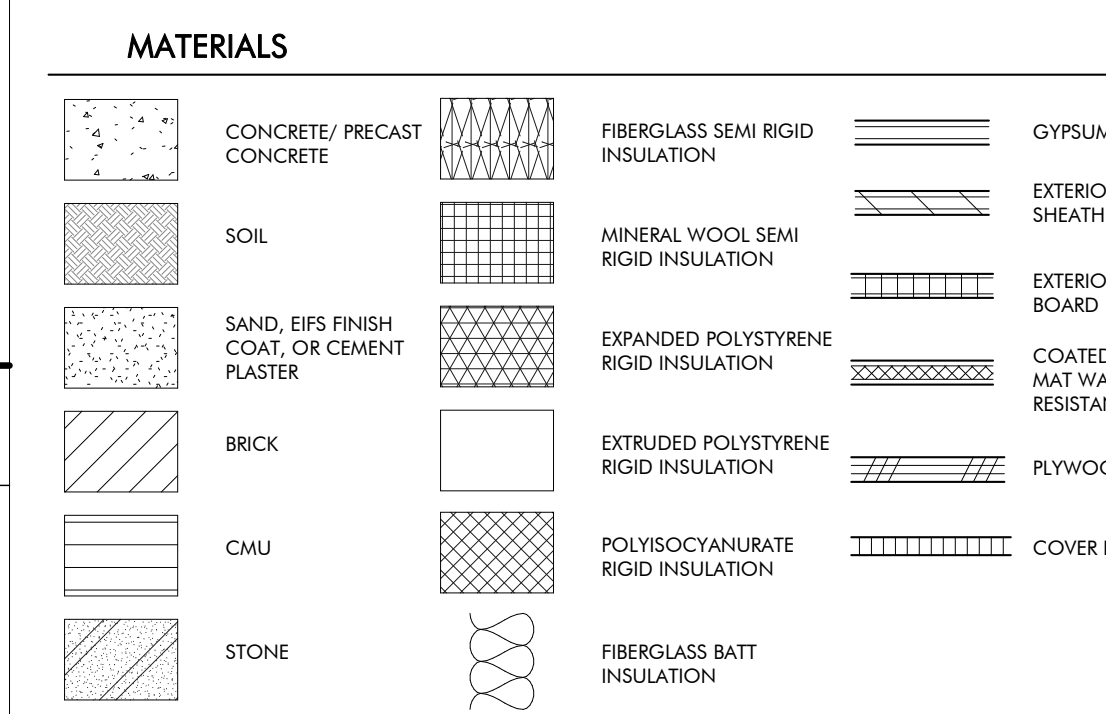
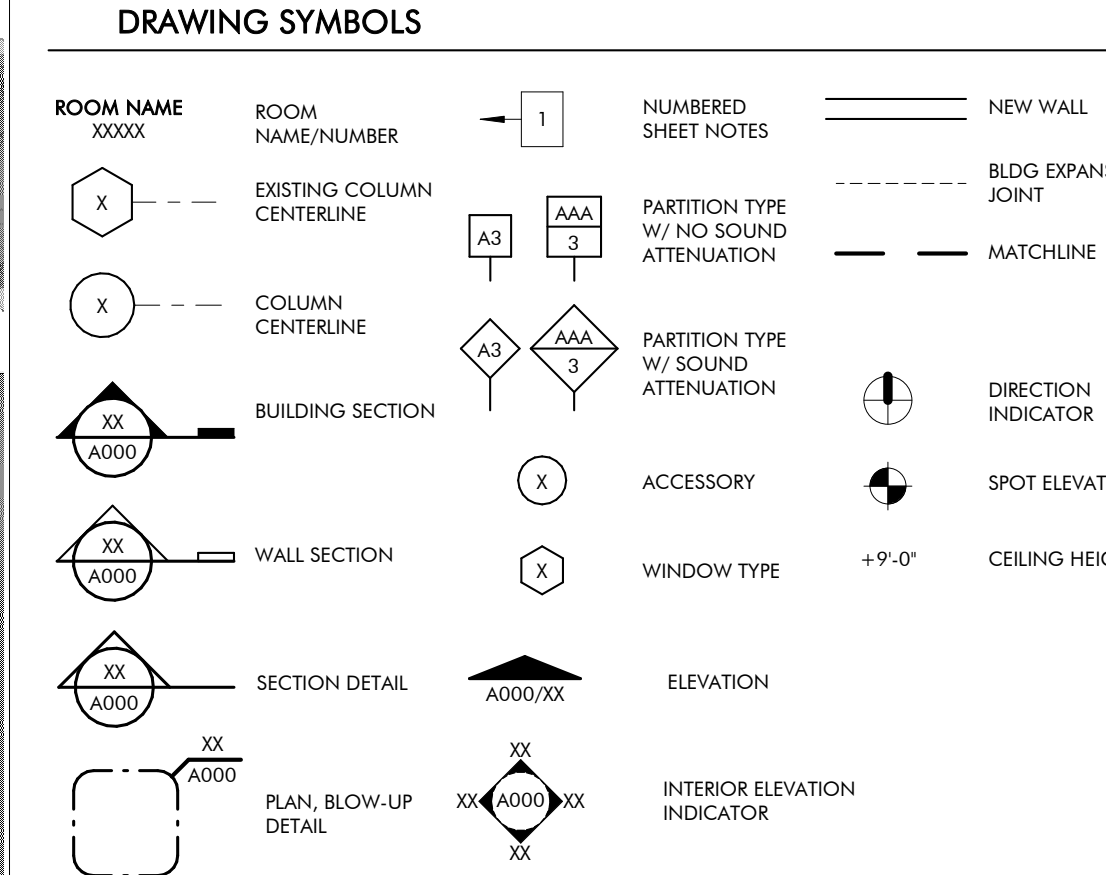
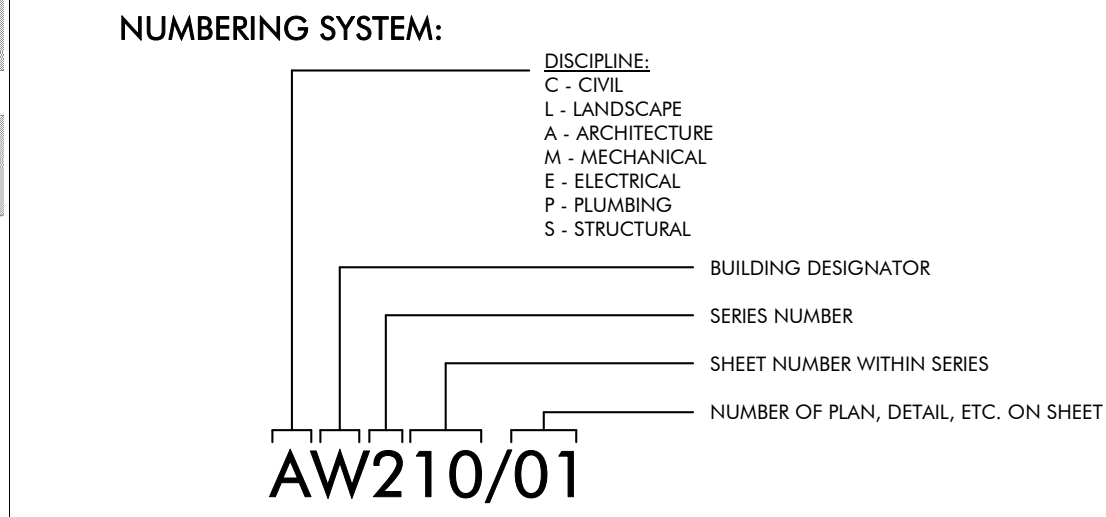
### ABBREVIATIONS

<b>A</b> AB ANCHOR BOLT AD AREA DRAIN AC AIR CONDITIONING ACT ACOUSTICAL CEILING TILE ADD ADDENDUM ADDL ADDITIONAL ADJ ADJACENT AFF ABOVE FINISHED FLOOR AGGR AGGREGATE AL/ALUM ALUMINUM ALT ALTERNATE ANOD ANODIZED APPROX APPROXIMATE ARCH ARCHITECTURAL	<b>E</b> EA EACH EF EACH FACE EIFS EXTERIOR INSULATION AND FINISH SYSTEM EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRIC ELEV ELEVATOR LOC LOCATION EQ EQUAL EQUIP EQUIPMENT ESC ESCALATOR EW EACH WAY EWC ELECTRIC WATER COOLER EXIST EXISTING EXP BLT EXPANSION BOLT EXT EXTERIOR	<b>L</b> L ANGLE LAV LAVATORY LG LONG LKB LOCKABLE LL LIVE LOAD LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL LQC LOCATION LP LOW POINT LW LIGHT LWC LIGHTWEIGHT CONCRETE	<b>P</b> PLAM PLASTIC LAMINATE PC PRECAST CONCRETE PCF POUNDS PER CUBIC FOOT PPC PORTLAND CEMENT PL PLASTER PL PROPER LINE PLUMB PLUMBING PLYWD PLYWOOD POL POLISHED PORT CEM PORTLAND CEMENT PR PAR PREFAB PREFABRICATED PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PT PNEUMATIC TUBE PTD PAINTED	<b>T</b> T TREAD T&B TOP & BOTTOM T&B&T TAPE, BED, & TEXTURE TC TOP OF CURB TEL TELEPHONE TEMP TEMPERATURE THK THICK TLT TOILET TO TOP OF TOB TOP OF BEAM TOC TOP OF CONCRETE TOP TOP OF FOOTING TOP OF PARAPET TOS TOP OF SLAB TOSH TOP OF STEEL TRSH CH TRASH CHUTE TW TOP OF WALL TYP TYPICAL
<b>B</b> B.M. BENCH MARK BD BOARD BTWN BETWEEN BL BUILDING LINE BLDG BUILDING BLCKG BLOCKING BM BEAM BOT BOTTOM BRG BEARING BSMT BASEMENT BUR BUILT-UP ROOF BWF BEARING WALL	<b>F</b> FD FLOOR DRAIN FENI FOUNDATION FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FF FINISH FLOOR FH FIRE HOSE CABINET FIN FINISH FLOOR FIR FAR SIDE FT FOOT FTG FOOTING FV FIELD VERIFY FVC FIRE VALVE CABINET	<b>N</b> NA NOT AVAILABLE NIC NOT IN CONTRACT NOA NOTICE OF ACCEPTANCE NOM NOMINAL NS NEAR SIDE NTS NOT TO SCALE NWC NORMAL WEIGHT CONCRETE	<b>R</b> R RISER RAD RADIUS RCP REFLECTED CEILING PLAN ROOF DRAIN REBAR REINFORCING BAR RECP RECEPTACLE REF REFER OR REFERENCE REINF REINFORCING RELOC RELOCATE/RELOCATED REQD REQUIRED RPVC RECESSED FIRE VALVE CABINET	<b>U</b> U/C UNDER COUNTER U/G UNDERGROUND UNO UNLESS NOTED OTHERWISE
<b>C</b> CEM CEMENT CER CERAMIC CG CORNER GUARD CIP CAST IN PLACE CJ CONTROL JOINT CL CENTER LINE CLG CEILING CLR CLEAR CMU CONCRETE MASONRY UNIT COL COLUMN COMM COMMUNICATIONS CONC CONCRETE CONN CONNECTION CONST CONSTRUCTION CONT CONTINUOUS COORD COORDINATE CORR CORRIDOR CR COLD ROLLED CSK COUNTERSUNK CT CERAMIC TILE CTR CENTER CW CURTAIN WALL	<b>G</b> GA GAUGE GALV GALVANIZED GB GRADE BEAM GEN GENERAL GI GALVANIZED IRON GL GLASS GND GROUND GRADE GRADE GYPSUM BOARD	<b>O</b> OA OVER ALL ON CENTER OD OUTSIDE DIAMETER OD OVERFLOW DRAIN OFCI OWNER FURNISHED, CONTRACTOR INSTALLED OFOW OWNER FURNISHED, OWNER INSTALLED OH OPPOSITE HAND OPNG OPENING OPP OPPOSITE OSF OUTSIDE FACE	<b>S</b> SAB SOUND ATTENUATION BLANKET SCHED SCHEDULE SECT SECTION S/H SINGLE HUNG SHTR SHOWER SIM SIMILAR SO STRUCTURAL OPENING SOB SLAB ON GRADE SP STAINLESS STEEL SPA SPACE, SPACING SPEC SPECIFICATION SQU SQUARE SS STAINLESS STEEL SSF SOLID SURFACE STA STATION STC SOUND TRANSMISSION CLASS STD STANDARD STIFF STIFFENER STR STRIPPER STL STEEL STRUC STRUCTURAL SYM SYMMETRICAL SYS SYSTEM	<b>V</b> VAR VARIES VCT VINYL COMPOSITION VERT VERTICAL VEST VESTIBULE VWC VINYL WALL COVERING
<b>D</b> D DEPTH DBA DEFORMED BAR ANCHOR DET DETAIL DIA DIAMETER DIAPH DIAPHRAGM DIM DIMENSION DJ DEFLECTION JOINT DL DEAD LOAD DN DOWN DWG DRAWINGS DWS DOWNSPOUT DWGS DRAWINGS DWLS DOWELS	<b>H</b> HB HOSE BIB HDW HARDWARE HDWD HARDWOOD HK HOOK HM HOLLOW METAL HOR HORIZONTAL HP HIGH POINT HR HOUR HS HEADED STUD HT HEIGHT	<b>I</b> IBC INTERNATIONAL BUILDING CODE ID INSIDE DIAMETER INSUL INSULATION INT INTERIOR	<b>W</b> W WITH W/C WHEEL CHAIR W/O WITHOUT W WIDTH WP WATERPROOFING WV WOOD WF WIDE FLANGE WL WIND LOAD WP WORK POINT WPO WORK POINT - POINT OF ORIGIN WPI WORK POINT - NUMBERED WVW 6x6 W2.9/ W2.9 WELDED WIRE REINFORCEMENT	<b>W</b> W WITH W/C WHEEL CHAIR W/O WITHOUT W WIDTH WP WATERPROOFING WV WOOD WF WIDE FLANGE WL WIND LOAD WP WORK POINT WPO WORK POINT - POINT OF ORIGIN WPI WORK POINT - NUMBERED WVW 6x6 W2.9/ W2.9 WELDED WIRE REINFORCEMENT

### MASTER KEYNOTES

03-3000 Cast-in-Place Concrete - See Structural for Reinforcement
06-1000 Rough Carpentry
06-1000.ESH Exterior Wall Sheathing - See Structure
06-1000.F12 2x12 Framing
06-1000.F6 2x6 Framing
06-1000.HD Header - See Structural
06-1000.PT Pressure Treated Sill Plate
06-1000.SH1 1/2" Plywood Sheathing
06-1516 Wood Roof Decking
06-1600 Sheathing
06-1800 Glued-Laminated Construction
06-2000.2K 2x Slot
06-2000.SWT Stained Wood Trim
07-2100.NB2 2" Nail Base Rigid Insulation Board
07-2500 Weather Barriers
07-2500.SPS Sill Plate Sealer
07-4113 Metal Roof Panels
07-4113.LUL Roof Underlayment
07-4623.CB Engineered Wood Corner Board
07-4623.LS Engineered Wood Lap Siding
07-4623.TR Engineered Wood Trim
07-6200 Sheet Metal Flashing and Trim
07-9200.S Sealant
07-9200.SBR Sealant and Backer Rod
07-9500 Expansion Control
08-1113 Hollow Metal Doors and Frames
08-3323 Overhead Coiling Doors
08-9100 Louvers
31-3116 Termite Control

### DRAWING SYMBOLS

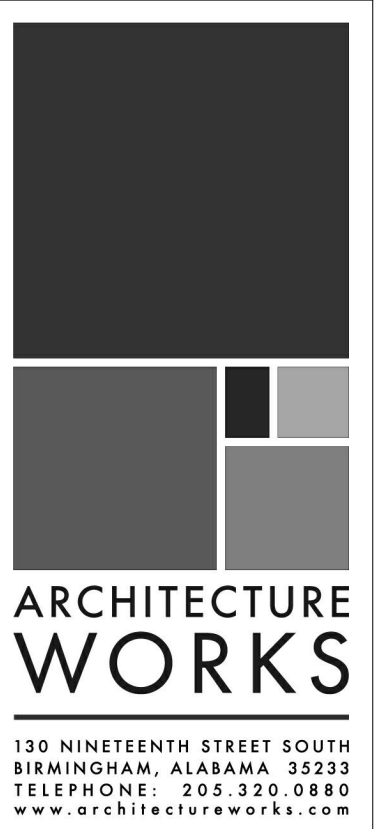


### DRAWING INDEX

REVISION #	SHEET NUMBER	SHEET NAME
<b>GENERAL</b>		
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GT010		LIFE SAFETY
<b>ARCHITECTURAL</b>		
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AT200		ELEVATIONS AND SECTIONS
AT500		EXTERIOR DETAILS
4 AT510		DOOR DETAILS AND SCHEDULES AND SCHEDULES
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2 ST003		SCHEDULES AND TABLES
ST004		COMPONENTS & CLADDING WIND
ST100		SLAB AND FOUNDATION PLAN
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ET200		FIELD SHED LIGHTING FLOOR PLAN
ET300		ELECTRICAL RISER DIAGRAM & SCHEDULES
ET400		FIRE ALARM RISER, DETAILS, AND NOTES
ET401		LIGHTING CONTROLS, NOTES, AND SCHEDULES
ET402		LIGHTING FIXTURE SCHEDULE
ET500		ELECTRICAL DETAILS
ET501		ELECTRICAL DETAILS
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TT000		TECHNOLOGY LEGEND AND SHEET INDEX
TT100		FIELD SHED TECHNOLOGY FLOOR PLAN
TT500		TECHNOLOGY DETAILS

**REVISION SCHEDULE**

REVISION #	REVISION DATE	REVISION DESCRIPTION
1	AUGUST 31, 2022	CITY COMMENTS
2	JANUARY 8, 2023	BID SET
4	MARCH 24, 2023	CONFORMANCE SET



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**WATERSHED**  
Building Sustainability  
302 Magnolia Avenue  
Fairhope, AL 36532  
p 251.929.0514

**GULF COAST CENTER**  
FOR ECOTOURISM & SUSTAINABILITY  
FIELD SHED PACKAGE  
GULF SHORES, ALABAMA

No.	Date	Revision	Include
1	AUGUST 31, 2022	CITY COMMENTS	
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**REVISION SCHEDULE**

19-028.000	PROJECT STATUS
CONFORMANCE SET	DATE
MARCH 24, 2023	SHEET NAME
COVER SHEET	SHEET NO.
GT000	

BUILDING ENVELOPE

PLUMBING FIXTURE SCHEDULE (IBC TABLE 2902.1)

CODE REVIEW

REFER SITE & CIVIL PACKAGE FOR ADDITIONAL INFORMATION SUCH AS FIRE DEPARTMENT ACCESS.

APPLICABLE CODES

- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL FIRE CODE
- 2021 INTERNATIONAL FUEL & GAS CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL PLUMBING CODE
- 2020 NATIONAL ELECTRICAL CODE (NFPA 70)
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- CITY OF GULF SHORES SUPPLEMENTAL REQUIREMENTS

GENERAL BUILDING HEIGHTS AND AREAS (Chapter 5)

OCCUPANCY CLASSIFICATION: MIXED OCCUPANCY BUSINESS ASSEMBLY (UNSEPARATED) (GROUP B) (GROUP A-3)

CONSTRUCTION TYPE: TYPE VB  
AUTOMATIC SPRINKLER SYSTEM: NO

ALLOWABLE AREAS: A-3 = 6,000 SF (NOT SPRINKLED)  
B = 9,000 SF (NOT SPRINKLED)  
A-3-B = 40 FT  
ALLOWABLE HEIGHT ABOVE GRADE (VB): A-3 = 1 STORY  
PROJECT AREAS: 6,551 SF (UNDER ROOF)

BUILDING FRONTAGE IS FULLY OPEN ON ALL SIDES PER IBC 506.3.2 AND 506.3.3, INCREASING THE ALLOWABLE AREA (A-3) BY 75% TO 10,500 SF.  
BUILDING OCCUPANCIES ARE NONSEPARATED PER IBC 508.3 WITH A-3 OCCUPANCY BEING THE MOST RESTRICTIVE.

TYPES OF CONSTRUCTION (Chapter 6)

STRUCTURAL ELEMENTS CONSIST OF CONCRETE SLAB ON GROUND WITH WOOD FRAMED WALLS AND SHOP-FABRICATED WOOD TRUSSES.

NO FIRE-RESISTANT ASSEMBLIES REQUIRED FOR BUILDING ELEMENTS OR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE PER IBC TABLES 601 AND 705.5.

FIRE AND SMOKE PROTECTION FEATURES (Chapters 7 & 9)

FOR ELEVATIONS WITH FIRE SEPARATION DISTANCE OF 20'-0" TO LESS THAN 25'-0", ONLY 45% OF ELEVATION IS ALLOWED TO BE OPEN WITHOUT PROTECTION PER IBC TABLE 705.8

PER IBC 903.2.1.3, AUTOMATIC SPRINKLERS ARE NOT REQUIRED. ASSEMBLY (A-3) OCCUPANT LOAD IS LESS THAN 300; FIRE AREA DOES NOT EXCEED 12,000 SF; FIRE AREA IS NOT LOCATED ON A FLOOR OTHER THAN THE LEVEL OF EXIT DISCHARGE.

MEANS OF EGRESS (Chapter 10)

OCCUPANCIES: A-3  
B  
GROSS FLOOR AREAS: 3,472 SF (INTERIOR CONDITIONED)  
2,105 SF (EXTERIOR COVERED)  
5,577 SF TOTAL  
OCCUPANT LOAD: 122 (A-3)  
32 (B)  
159 TOTAL  
REQ'D EXIT WIDTH: 159 x 0.2 = 31.8"  
REFER PLAN  
REQ'D EXIT AMT: 2  
EXITS PROVIDED: REFER PLAN FOR EXITS AND EXIT ACCESS  
TRAVEL DISTANCE ALLOWED: 200 FT (NONSPRINKLED)  
MAX COMMON PATH: 75 FT (NONSPRINKLED)

ACCESSIBILITY (CHAPTER 11)

ACCESSIBLE ROUTES AND ENTRANCES ARE PROVIDED FOR IN THE DESIGN. REFER SITE & CIVIL PACKAGE FOR ACCESSIBLE PARKING REQUIREMENTS AND LOCATIONS.

REFER ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS FOR ACCESSIBILITY REQUIREMENTS AT RESTROOMS AND OTHER FIXTURES AND EQUIPMENT.

PLUMBING FIXTURES (CHAPTER 29)

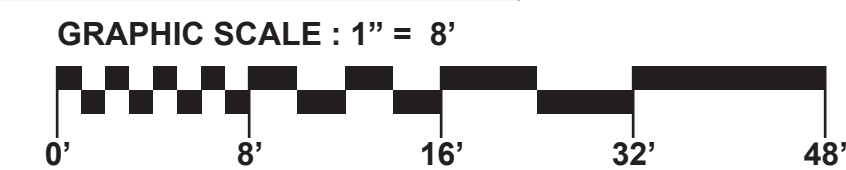
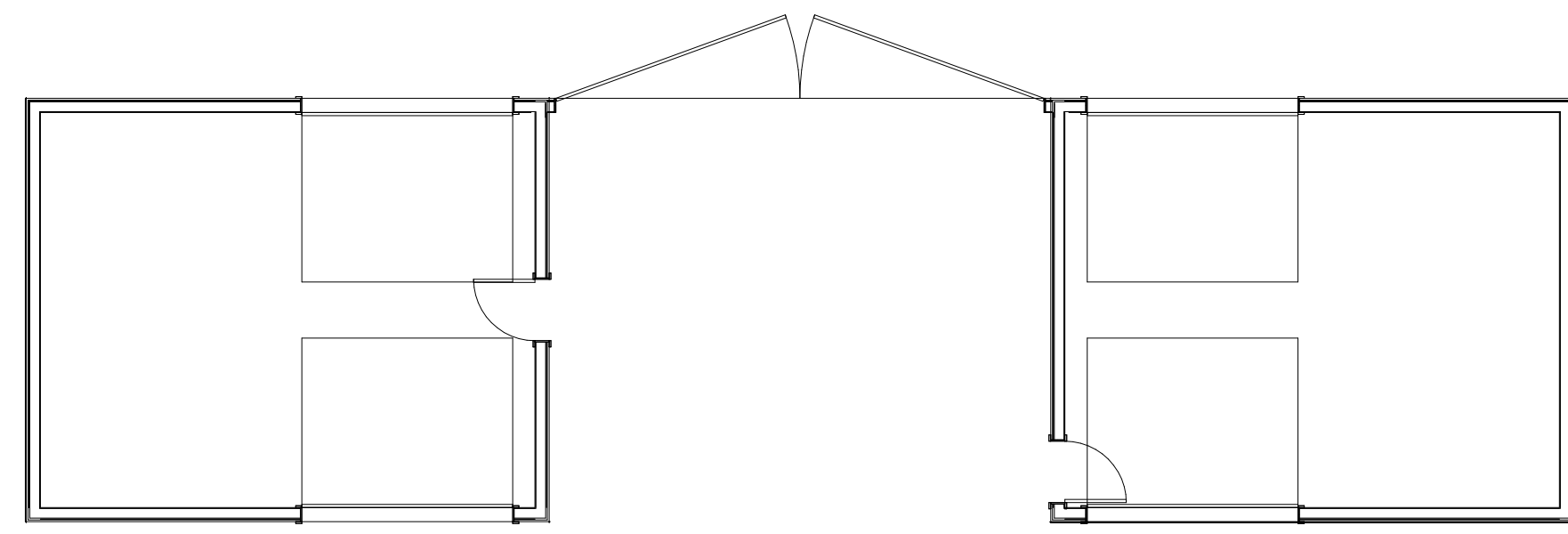
REFER PLUMBING FIXTURE SCHEDULE THIS SHEET FOR REQUIREMENTS AT THIS BUILDING.

FAMILY-ASSISTED RESTROOM PROVIDED.

REFER SITE & CIVIL PACKAGE FOR PLUMBING REQUIREMENTS FOR ENTIRE CAMPUS AND LOCATIONS OF PROVIDED FACILITIES.

BUILDING ENVELOPE

REFER TO PROVIDED TABLE ON THIS SHEET.



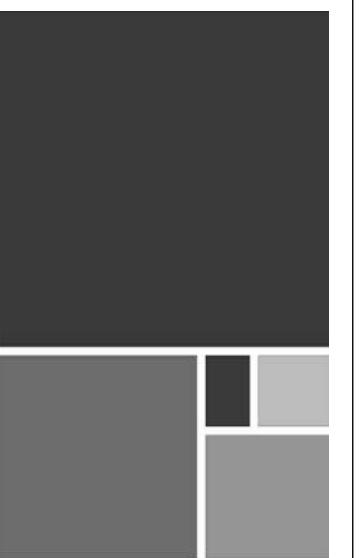
LIFE SAFETY PLAN  
FIELD SHED

1  
1/8" = 1'-0"

SHEET SPECIFIC NOTES

GRAPHIC LEGEND

- PATH OF TRAVEL BEGINNING
- POINT OF TRAVEL DIVERGENCE
- PATH DISCHARGE TO PUBLIC RIGHT OF WAY
- 112'-7" TOTAL EGRESS TRAVEL DISTANCE
- 112'-7" COMMON PATH OF EGRESS TRAVEL DISTANCE
- EXIT OR EXIT ACCESS
- FIRE EXTINGUISHER LOCATION
- 1-HOUR FIRE BARRIER OR FIRE RESISTANT ASSEMBLY



ARCHITECTURE  
WORKS

130 NINETEENTH STREET SOUTH  
BIRMINGHAM, ALABAMA 35233  
TELEPHONE: 205.320.0880  
www.architectureworks.com

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GULF COAST CENTER  
FOR ECOTOURISM & SUSTAINABILITY  
WELCOME HUB PACKAGE  
GULF SHORES, ALABAMA

Sheet No.	1
Job No.	19-028.000
Project Status	CONFORMANCE SET
Date	MARCH 24, 2023
Sheet Name	CODE REVIEW & LIFE SAFETY
Sheet No.	GT010













STRUCTURAL TYPICAL ABBREVIATIONS			
AB	ANCHOR BOLT	VERT.	VERTICAL
AFF	ABOVE FINISH FLOOR	JST.	JOIST
BOT.	BOTTOM	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
BRDG.	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
CMU	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.	EXISTING	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	TO BE REMOVED
F.O. FTG.	FACE OF FOOTING	T&B	TOP AND BOTTOM
F.O. JST.	FACE OF JOIST	T.O. BM	TOP OF BEAM
F.O. SLAB	FACE OF SLAB	T.O. COL	TOP OF COLUMN
F.O. STL.	FACE OF STEEL	T.O. CONC	TOP OF CONCRETE
F.O. WALL	FACE OF WALL	T.O. FTG	TOP OF FOOTING
FLR.	FLOOR	T.O. JST	TOP OF JOIST
FDN.	FOUNDATION	T.O. SLAB	TOP OF SLAB
FTG.	FOOTING	T.O. STL	TOP OF STEEL
HS	HEADED STUD	T.O. WALL	TOP OF WALL
HK.	HOOK	THK.	THICK
HORIZ.	HORIZONTAL	THRU	THROUGH
TYP	TYPICAL	W/O	WITHOUT
UNO	UNLESS NOTED OTHERWISE	WWR	WELDED WIRE REINFORCEMENT

CAST-IN-PLACE CONCRETE MIX SCHEDULE										
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	

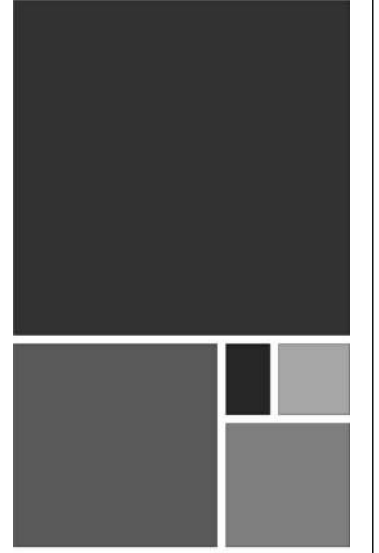
1. EXPOSURE CLASS FOR FREEZE/THAW, SULFATES, PERMEABILITY, AND CORROSION ARE PER ACI 318, SECTION 4.2.  
 2. WHERE NO W/C RATIO, SLUMP, OR AIR CONTENT IS NOTED, VALUES SHALL BE AS RECOMMENDED BY THE READY MIX SUPPLIERS ENGINEER.  
 3. WHERE AIR ENTRAINMENT IS NOT REQUIRED PER THE ABOVE TABLE, THE CONTRACTOR, INSTALLER, OR SUPPLIER MAY CHOOSE TO INCLUDE AIR ENTRAINMENT TO IMPROVE 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 ENTRAINMENT 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												
BAR SIZE	f <sub>c</sub> = 3000 PSI				f <sub>c</sub> = 4000 PSI				f <sub>c</sub> = 5000 PSI			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
	A	B	A	B	A	B	A	B	A	B	A	B
#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

1. ALL LENGTHS ARE IN INCHES.  
 2. BAR COVER AND TRANSVERSE REINFORCEMENT SHALL MEET CODE MINIMUM.  
 3. LAP SPlicing OF #14 & #18 BARS IS NOT ALLOWED.  
 4. LAP LENGTHS ARE FOR NORMAL WEIGHT CONCRETE WITH UNCOATED, 60 KSI BARS.  
 5. WHEN LAPPING BARS OF DIFFERENT SIZES USE THE SPLICE LAP LENGTH OF THE 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.  
 6. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.

SCHEDULE OF SPECIAL INSPECTIONS		
SPECIAL CASES (IBC 1705.1.1)		
ITEM	FREQUENCY	INSTRUCTIONS / COMMENTS
INSPECT WORK THAT IS DEEMED "UNUSUAL" BY THE BUILDING OFFICIAL.	CONTINUOUS	AS DEFINED BY THE BUILDING OFFICIAL OR REGISTERED DESIGN PROFESSIONAL.
SOILS CONSTRUCTION (IBC 1705.6)		
ITEM	FREQUENCY	EXTENT / COMMENTS
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	AS RECOMMENDED IN APPROVED SOILS REPORT AND CONTAINED IN THE CONSTRUCTION DOCUMENTS.
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	
VERIFY CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS	
OBSERVE SUBGRADE AND VERIFY THAT SITE 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 INSPECTIONS, BUT NOT MATERIALS TESTING.	---	
CONTINUOUS FOOTINGS ARE EXCEPTED FROM INSPECTIONS, BUT NOT MATERIALS TESTING.	---	
SLABS ON GRADE ARE EXCEPTED FROM INSPECTIONS, BUT NOT MATERIALS TESTING.	---	
CONCRETE FOUNDATION WALLS ARE EXCEPTED FROM INSPECTIONS, BUT NOT MATERIALS TESTING.	---	
INSPECT ANCHORS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE.	PERIODIC	
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE.	PERIODIC	INSPECT ACCORDING TO RESEARCH REPORT FOR THE ANCHOR ISSUED. FOR EACH POUR.
VERIFY THAT CORRECT CONCRETE DESIGN MIX IS BEING USED.	PERIODIC	
AT THE TIME CONCRETE IS SAMPLED FOR STRENGTH TESTS, TEST CONCRETE FOR SLUMP, AIR CONTENT, AND TEMPERATURE.	CONTINUOUS	DURING PLACEMENT OPERATIONS. REFERENCE CONCRETE SPECIFICATIONS FOR SPECIFIC TESTS AND FREQUENCIES.
INSPECT CONCRETE/SHOTCRETE PLACEMENT AND PLACEMENT METHODS EXCEPT AS NOTED ABOVE.	CONTINUOUS	
INSPECT ALL CONCRETE CURING OPERATIONS.	PERIODIC	MONITOR DURING HOT, COLD AND WINDY CONDITIONS. REFERENCE CONCRETE SPECIFICATIONS.
MEASURE FLOOR AND SLAB FLATNESS AND LEVELNESS ACCORDING TO ASTM E 1155.	PERIODIC	FOR EACH POUR. DO NOT SUBMIT REPORTS TO BUILDING OFFICIAL.
STRUCTURAL STEEL CONSTRUCTION (IBC 1705.2.1)		
ITEM	FREQUENCY	EXTENT / COMMENTS
INSPECT ANCHOR RODS AND OTHER EMBEDMENTS. VERIFY DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM AND THE EXTENT OF DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.	PERIODIC	APPLIES TO EMBEDDED POST/COLUMN CONNECTIONS.
WOOD CONSTRUCTION (IBC 1705.5)		
ITEM	FREQUENCY	EXTENT / COMMENTS
INSPECT SITE-BUILT ASSEMBLIES INCLUDING SITE BUILT TRUSSES. INSPECT ERECTED TRUSSES INCLUDING BRIDGING AND ATTACHMENTS.	PERIODIC	
NOTES		
NOTE: THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE INSPECTION AGENT(S) ARE CONTINUOUS: THE INSPECTOR IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS		



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130 NINETEENTH STREET SOUTH  
BIRMINGHAM, ALABAMA 35233  
TELEPHONE: 205.320.6880  
www.architectureworks.com

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p.251.929.0514

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No.	Date	Revision
1	03/27/2023	Rev. 1 - CS Comments
2	03/27/2023	Rev. 2 - Added Table Data

JOB: **20-1101-0049**

PROJECT STATUS: **CONFORMANCE SET**

DATE: **MARCH 24, 2023**

SHEET NAME: **ABBREVIATIONS SCHEDULES & TABLES**

SHEET NO.: **ST002**

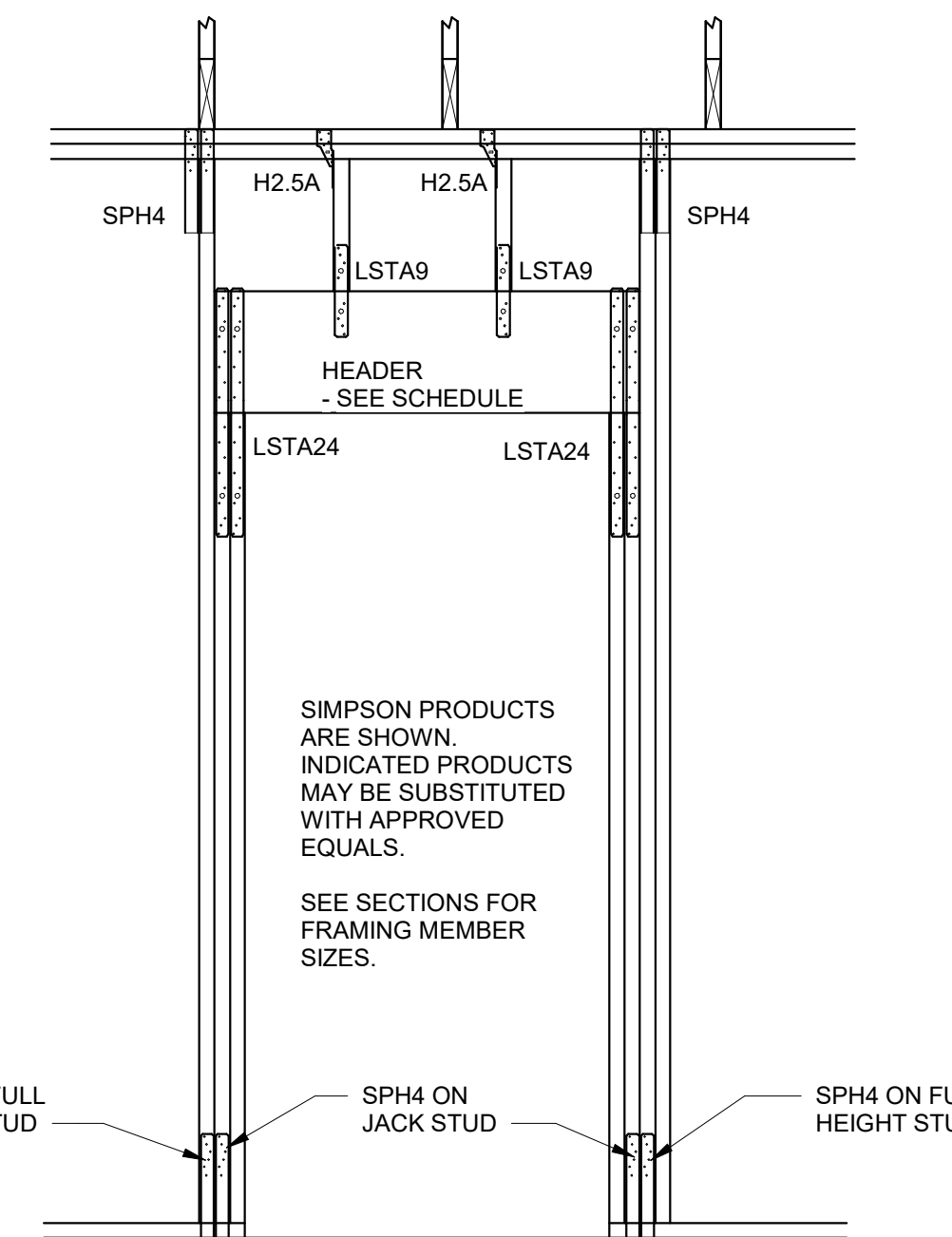


NAIL FASTENING SCHEDULE		
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENERS	SPACING AND LOCATION
ROOF		
BLOCKING BETWEEN CEILING JOISTS, RAFTERS, OR TRUSSES TO TOP PLATE OR OTHER FRAMING	3-8D COMMON (2 1/2"x0.131"); OR 3-10D BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	EACH END, TOENAIL
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
	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
FLAT BLOCKING TO TRUSS AND WEB FILLER	16D COMMON (2 1/2"x0.131") AT 6" O.C.	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
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
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
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
RAFTER OR ROOF TRUSS TO TOP PLATE (SEE SECTION 2308.7.5, TABLE 1308.7.5)	3-16D 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
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
	3-16D 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
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
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
	16D BOX (3 1/2"x0.162")	12" O.C. FACE NAIL
	3"x0.131 NAILS; OR 3" 14 GAGE 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
	10D BOX (3"x0.128")	12" O.C. EACH EDGE, FACE NAIL
CONTINUOUS HEADER TO STUD	4-8D COMMON (2 1/2"x0.131"); OR 4-10D BOX (3"x0.128")	TOENAIL
TOP PLATE TO TOP PLATE	16D COMMON (3 1/2"x0.162")	16" O.C. FACE NAIL
	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)
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
	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
BOTTOM PLATE TO JOIST, RIM JOIST, 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
	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
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
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
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

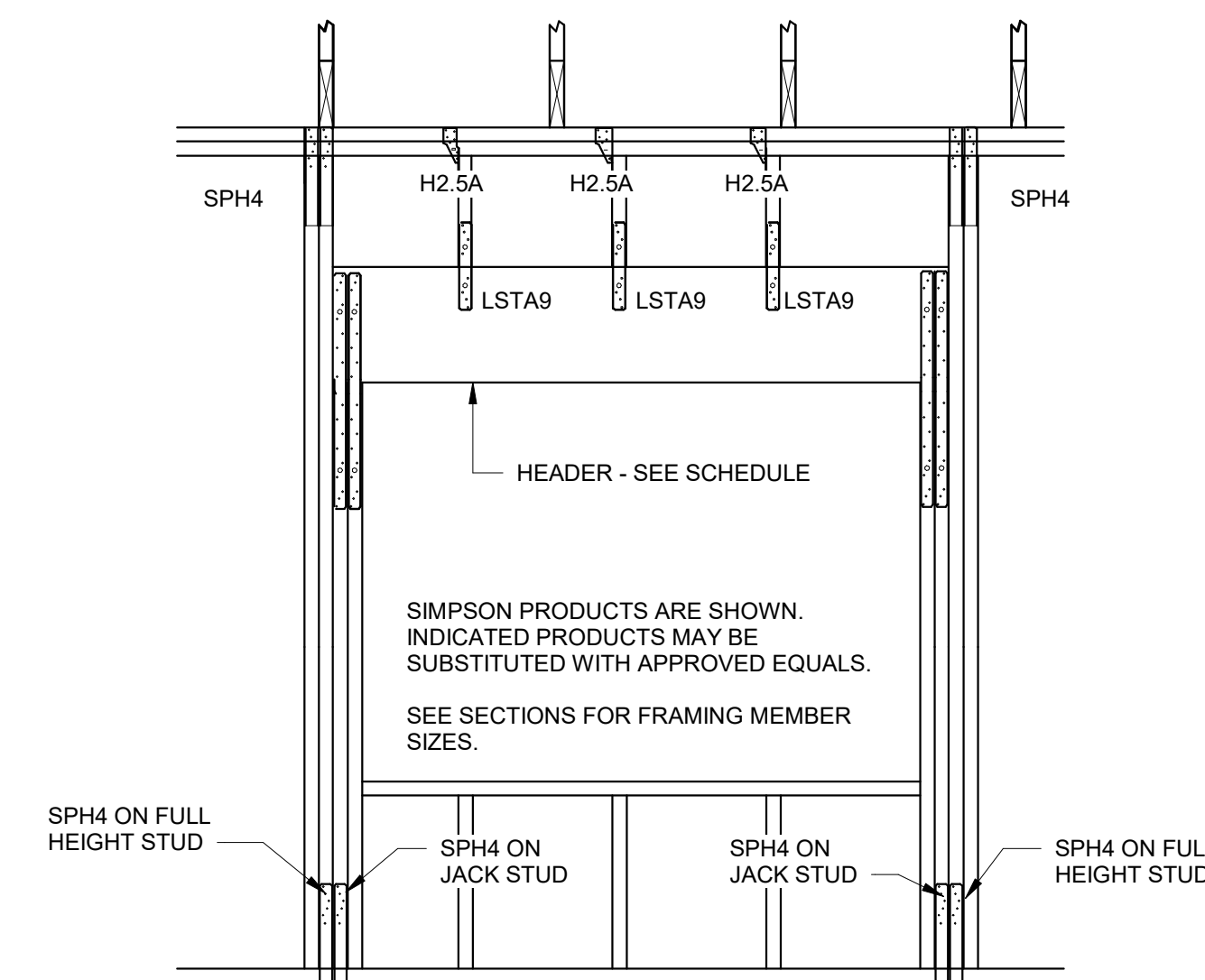
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENERS	SPACING AND LOCATION
FLOOR		
JOIST TO SILL, TOP PLATE, OR GIRDER	3-8D COMMON (2 1/2"x0.131"); OR 3-10D BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL
RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL, OR OTHER FRAMING BELOW	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., TOENAIL
1"x6" SUBFLOOR OR LESS TO EACH JOIST	2-8D COMMON (2 1/2"x0.131"); OR 2-10D BOX (3"x0.128")	FACE NAIL
2" SUBFLOOR TO JOIST OR GIRDER	2- 16D COMMON (3 1/2"x0.162")	FACE NAIL
2" PLANKS (PLANK AND BEAM - FLOOR AND ROOF)	2- 16D COMMON (3 1/2"x0.162")	EACH BEARING, FACE NAIL
BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	20D BOX (4"x0.192")	32" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	10D BOX (3"x0.128"); OR 3"x0.131" NAILS; OR 3" 14 GAGE STAPLES, 7/16" CROWN	24" O.C. FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	AND 2-20D COMMON (4"x0.192"); OR 3-10D BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	ENDS AND AT EACH SPLICE, FACE NAIL
LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16D COMMON (3 1/2"x0.162"); OR 4-10D BOX (3"x0.128"); OR 4-3"x0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	EACH JOIST OR RAFTER, FACE NAIL
JOIST TO BAND JOIST OR RIM JOIST	3-16D COMMON (3 1/2"x0.162"); OR 4-10D BOX (3"x0.128"); OR 4-3"x0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL
BRIDGING OR BLOCKING TO JOIST, RAFTER, OR TRUSS	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	EACH END, TOENAIL

FOR USE WHEN A SPECIFIC CONNECTION IS NOT PROVIDED IN DETAILS AND SECTIONS.

WOOD HEADER TABLE			
HEADER	MAX SPAN	DESCRIPTION	DETAIL
HD428	5'-0"	2X4 WALL WITH DOUBLE 2X8 BEAMS w/ 1/2" PLYWOOD SHIMS. NAIL TOGETHER w/ (2) 16D NAILS @12" OC.	
HD4212	8'-0"	2X4 WALL WITH DOUBLE 2X12 BEAMS w/ 1/2" PLYWOOD SHIMS. NAIL TOGETHER w/ (3) 16D NAILS @12" OC.	
HD628	6'-6"	2X6 WALL WITH TRIPLE 2X8 BEAMS w/ 1/2" PLYWOOD SHIMS. NAIL TOGETHER w/ (2) 16D NAILS @12" OC.	
HD6212	10'-0"	2X6 WALL WITH TRIPLE 2X12 BEAMS w/ 1/2" PLYWOOD SHIMS. NAIL TOGETHER w/ (3) 16D NAILS @12" OC.	
HD628i	5'-6"	2X6 WALL WITH DOUBLE 2X8 HEADER BEAMS w/ 2X6 T&B PLATES. NAIL TOGETHER w/ 16D NAILS @6" OC.	
HD6212i	8'-6"	2X6 WALL WITH DOUBLE 2X12 HEADER BEAMS w/ 2X6 T&B PLATES. NAIL TOGETHER w/ 16D NAILS @6" OC.	
HD6212hs	12'-0"	2X6 WALL WITH TRIPLE 2X12 HEADER BEAMS w/ 2X6 T&B PLATES. NAIL TOGETHER w/ (3) 16D NAILS @6" OC T&B.	



TYPICAL DOOR OPENING HOLD-DOWN



TYPICAL WINDOW OPENING HOLD-DOWN



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WORKS

130 NINETEENTH STREET SOUTH  
BIRMINGHAM, ALABAMA 35233  
TELEPHONE: 205.320.0880  
www.architectureworks.com

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No.	Date	By	Check	Revision
1	03/24/2023	Casey Brumby		Initial
2	03/24/2023	Casey Brumby		Revised

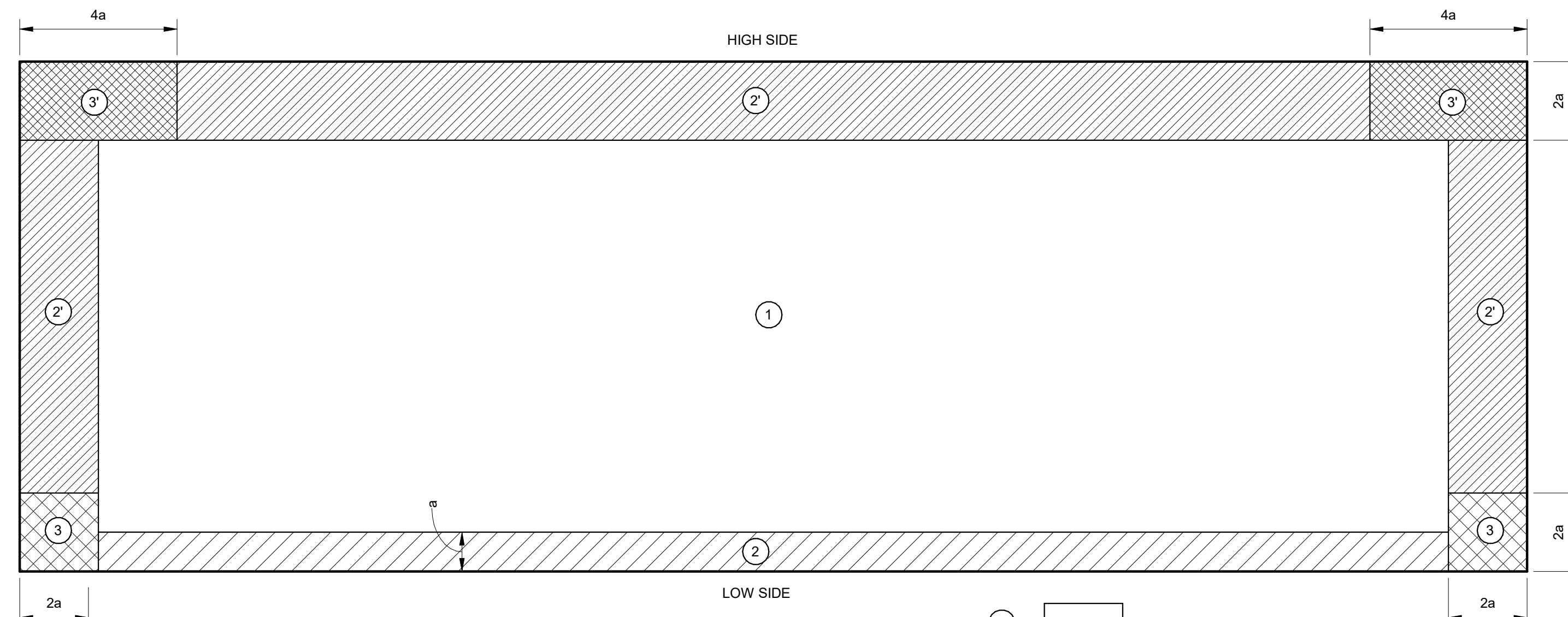
JOB  
**20-1101-0049**

PROJECT STATUS  
**CONFORMANCE SET**

DATE  
**MARCH 24, 2023**

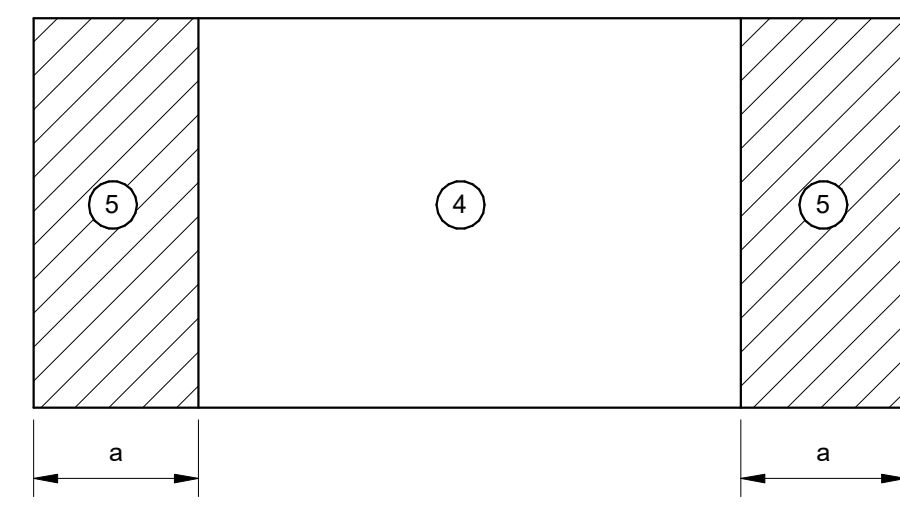
SHEET NAME  
**SCHEDULES & TABLES**

SHEET NO.  
**ST003**



ROOF WIND DIAGRAM

- ZONE 1
- ZONE 2
- ZONE 2'
- ZONE 3
- ZONE 3'



WALL WIND DIAGRAM

- ZONE 4
- ZONE 5

C&C Pressures Table								
LOCATION	ZONE	AREA	ULTIMATE +P	ULTIMATE -P	ALLOWABLE +P	ALLOWABLE -P	OH ULT. -P	OH ALL. -P
ROOF	1	10	39.2	-76.2	23.5	-45.7	-25.4	-15.2
ROOF	1	20	36.9	-76.2	22.1	-45.7	-25.4	-15.2
ROOF	1	50	34.6	-76.2	20.8	-45.7	-25.4	-15.2
ROOF	1	100	34.6	-76.2	20.8	-45.7	-25.4	-15.2
ROOF	1	200	34.6	-76.2	20.8	-45.7	-25.4	-15.2
ROOF	1	500	34.6	-76.2	20.8	-45.7	-25.4	-15.2
ROOF	2	10	39.2	-85.4	23.5	-51.2	-140.8	-84.5
ROOF	2	20	36.9	-83.1	22.1	-49.9	-140.8	-84.5
ROOF	2	50	34.6	-80.8	20.8	-48.5	-113.1	-67.9
ROOF	2	100	34.6	-80.8	20.8	-48.5	-94.7	-56.8
ROOF	2	200	34.6	-80.8	20.8	-48.5	-94.7	-56.8
ROOF	2	500	34.6	-80.8	20.8	-48.5	-94.7	-56.8
ROOF	2'	10	39.2	-99.3	23.5	-59.6	-187.0	-112.2
ROOF	2'	20	36.9	-98.8	22.1	-59.3	-173.2	-103.9
ROOF	2'	50	34.6	-97.4	20.8	-58.4	-152.4	-91.4
ROOF	2'	100	34.6	-94.7	20.8	-56.8	-140.8	-84.5
ROOF	2'	200	34.6	-94.7	20.8	-56.8	-122.4	-73.4
ROOF	2'	500	34.6	-94.7	20.8	-56.8	-117.7	-70.6
ROOF	3	10	39.2	-108.5	23.5	-65.1	-214.7	-128.8
ROOF	3	20	36.9	-99.3	22.1	-59.6	-191.6	-115.0
ROOF	3	50	34.6	-94.7	20.8	-56.8	-152.4	-91.4
ROOF	3	100	34.6	-80.8	20.8	-48.5	-131.6	-79.0
ROOF	3	200	34.6	-80.8	20.8	-48.5	-103.9	-62.3
ROOF	3	500	34.6	-80.8	20.8	-48.5	-94.7	-56.8
ROOF	3'	10	39.2	-145.4	23.5	-87.2	-242.4	-145.4
ROOF	3'	20	36.9	-131.6	22.1	-79.0	-210.1	-126.1
ROOF	3'	50	34.6	-113.1	20.8	-67.9	-163.9	-98.3
ROOF	3'	100	34.6	-99.3	20.8	-59.6	-131.6	-79.0
ROOF	3'	200	34.6	-99.3	20.8	-59.6	-131.6	-79.0
ROOF	3'	500	34.6	-99.3	20.8	-59.6	-131.6	-79.0
WALL	4	10	71.6	-76.2	43.0	-45.7	---	---
WALL	4	20	67.9	-73.9	40.7	-44.3	---	---
WALL	4	50	64.2	-70.6	38.5	-42.4	---	---
WALL	4	100	62.8	-67.9	37.7	-40.7	---	---
WALL	4	200	61.4	-65.6	36.8	-39.4	---	---
WALL	4	500	57.7	-62.3	34.6	-37.4	---	---
WALL	5	10	71.6	-90.0	43.0	-54.0	---	---
WALL	5	20	67.9	-85.4	40.7	-51.2	---	---
WALL	5	50	64.2	-78.5	38.5	-47.1	---	---
WALL	5	100	62.8	-73.0	37.7	-43.8	---	---
WALL	5	200	61.4	-69.3	36.8	-41.6	---	---
WALL	5	500	57.7	-62.3	34.6	-37.4	---	---

NOTES:  
 1. DESIGN BASED ON ASCE 7-16, SECTION 30. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.  
 2. ALLOWABLE WIND LOADS ARE 60% OF ULTIMATE WIND LOADS.  
 3. PRESSURE CATEGORY, PARTIALLY ENCLOSED.  
 4. WIDTH OF EDGE STRIP, "a" = 3'-0".

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130 NINETEENTH STREET SOUTH  
BIRMINGHAM, ALABAMA 35233  
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No.	
Date	
Revision	
Issue	

JOB  
**20-1101-0049**

PROJECT STATUS  
**CONFORMANCE SET**

DATE  
**MARCH 24, 2023**

SHEET NAME  
**COMPONENTS & CLADDING WIND**

SHEET NO.  
**ST004**



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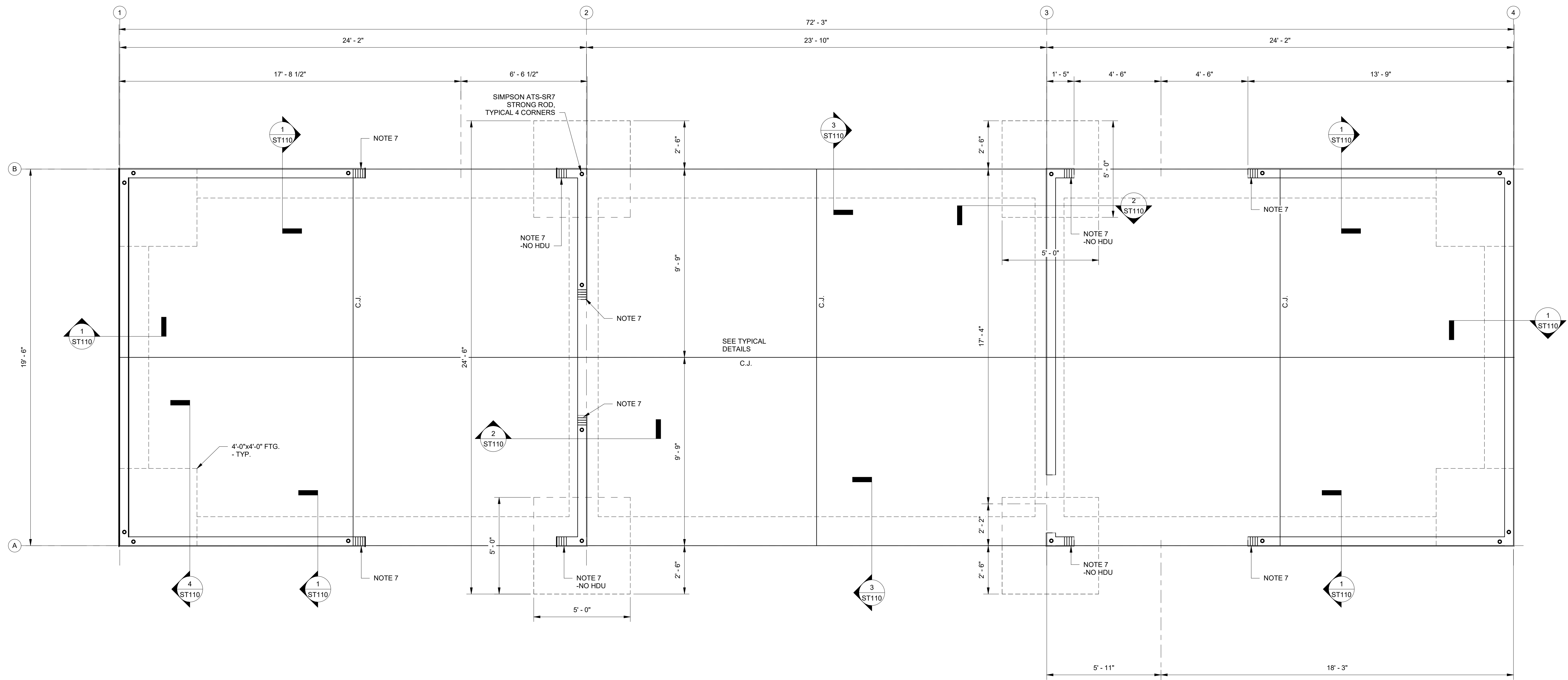
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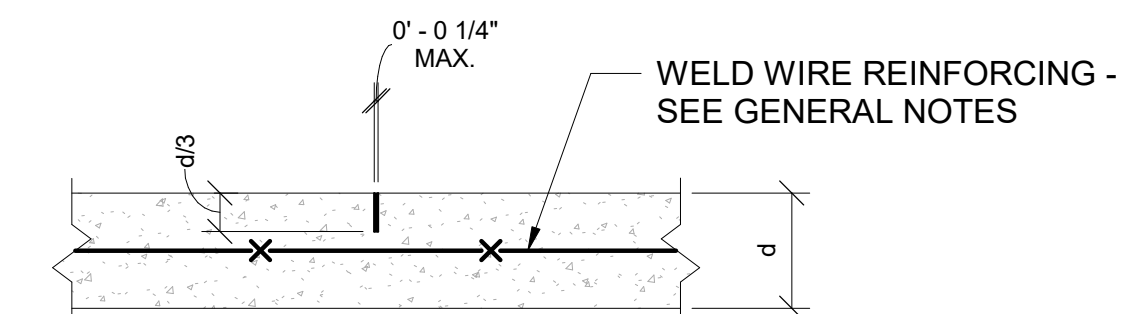
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**SLAB AND FOUNDATION PLAN**

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

1. FINISH FLOOR (TOP OF SLAB) REFERENCE ELEVATION 0'-0". UNO.
2. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES, TYPICAL DETAILS, AND PLAN SHEETS.
3. FOR SLAB SLOPE, RECESSES, AND PENETRATIONS, SEE ARCHITECTURAL DRAWINGS.
4. FOR OPENING LOCATION AND SIZES, SEE ARCHITECTURAL DRAWINGS.
5. ALL WOOD FRAMED WALLS ARE SHEARWALLS. SEE GENERAL NOTES FOR SHEATHING AND NAILING INFORMATION.
6. PROVIDE SIMPSON HDU4-SDS2.5 HOLDDOWN WITH 5/8" DIA. x 8" TITEN HDSS TYPE 316 AT EACH END OF EACH SHEAR WALL.
7. INSTALL (4) STUD PACK AND HDU HOLDDOWN ON EACH SIDE OF OPENING.



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

Revision	
Date	
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JOB	20-1101-0049
PROJECT STATUS	CONFORMANCE SET
DATE	MARCH 24, 2023
SHEET NAME	SLAB AND FOUNDATION PLAN
SHEET NO.	ST100





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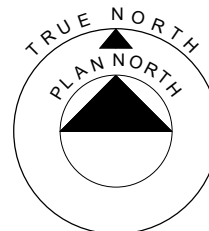
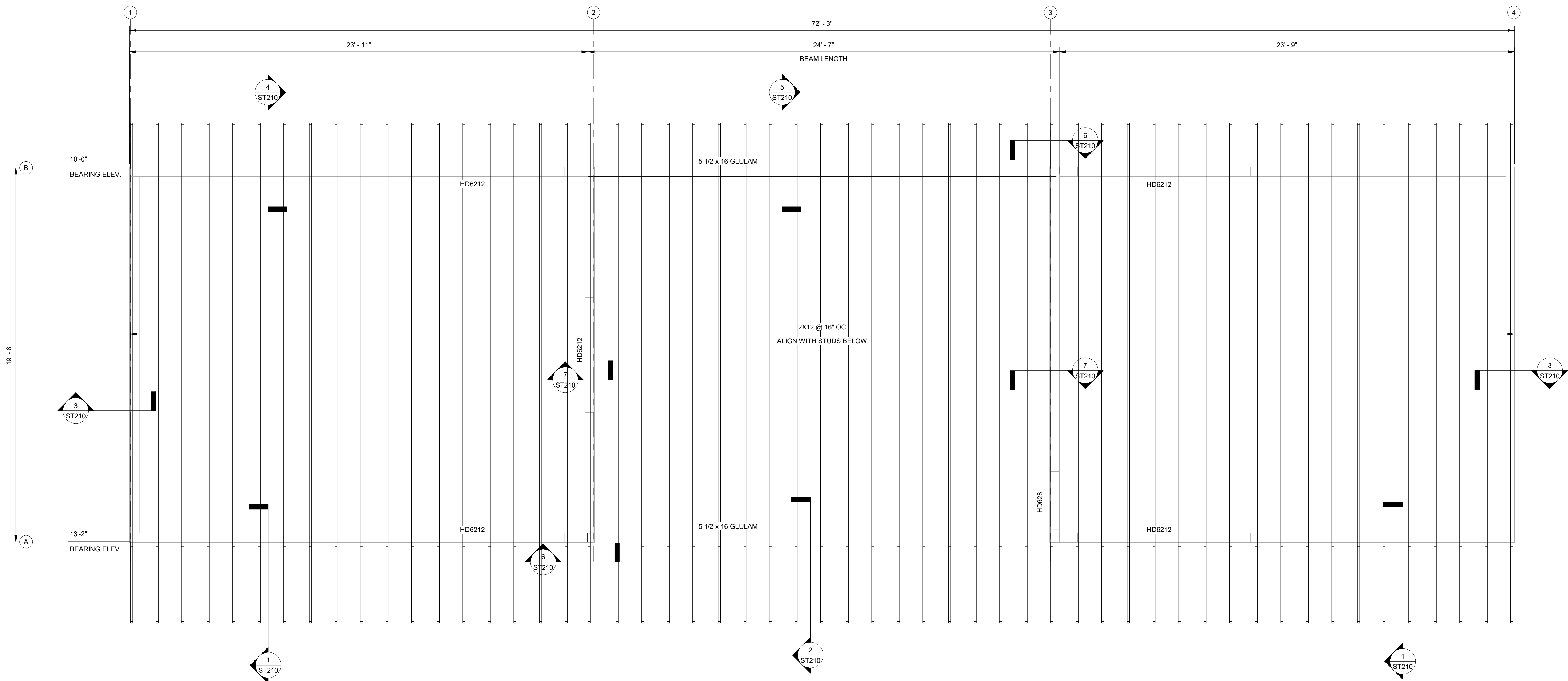
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**ROOF FRAMING PLAN**  
SCALE: 3/8" = 1'-0"

1. SEE PLAN FOR BEARING ELEVATIONS.
2. FRAMING MEMBERS ARE EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
3. SEE GENERAL NOTES AND WOOD FRAMING CONNECTION TABLE FOR NAILED CONNECTIONS.
4. RAFTER FULL DEPTH BLOCKING SHALL BE NO MORE THAN 4'-0" APART. WOOD HEADER OVER OPENINGS IS CALLED OUT AS HDxxx. SEE HEADER SCHEDULE FOR DESIGN AND MAXIMUM ALLOWED SPAN.
- 5.

Revised	
By	
Date	
No.	

JOB	20-1101-0049
PROJECT STATUS	CONFORMANCE SET
DATE	MARCH 24, 2023
SHEET NAME	ROOF FRAMING PLAN
SHEET NO.	ST200



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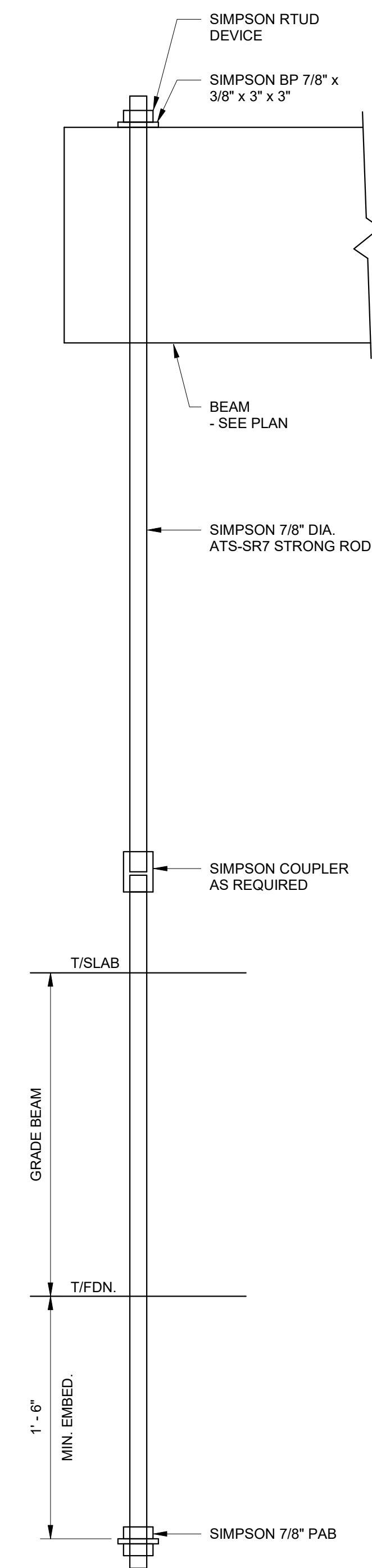
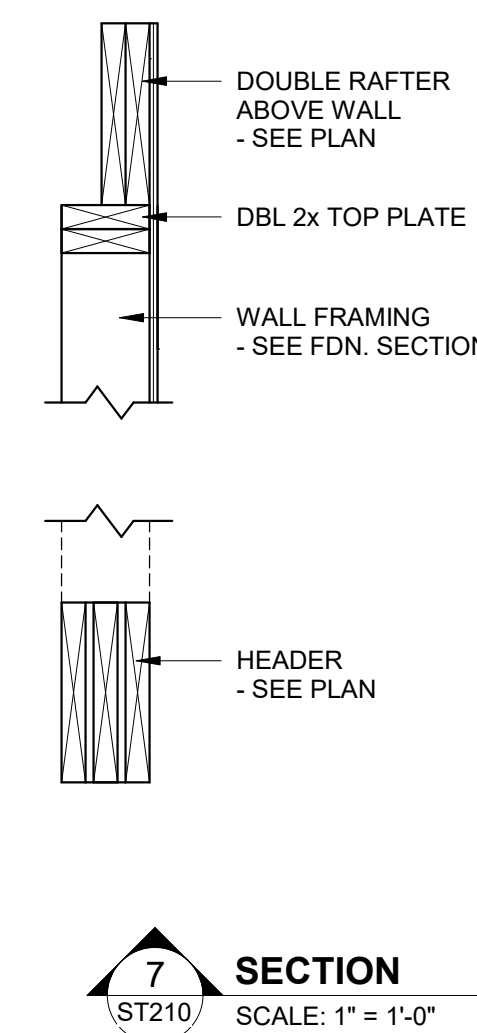
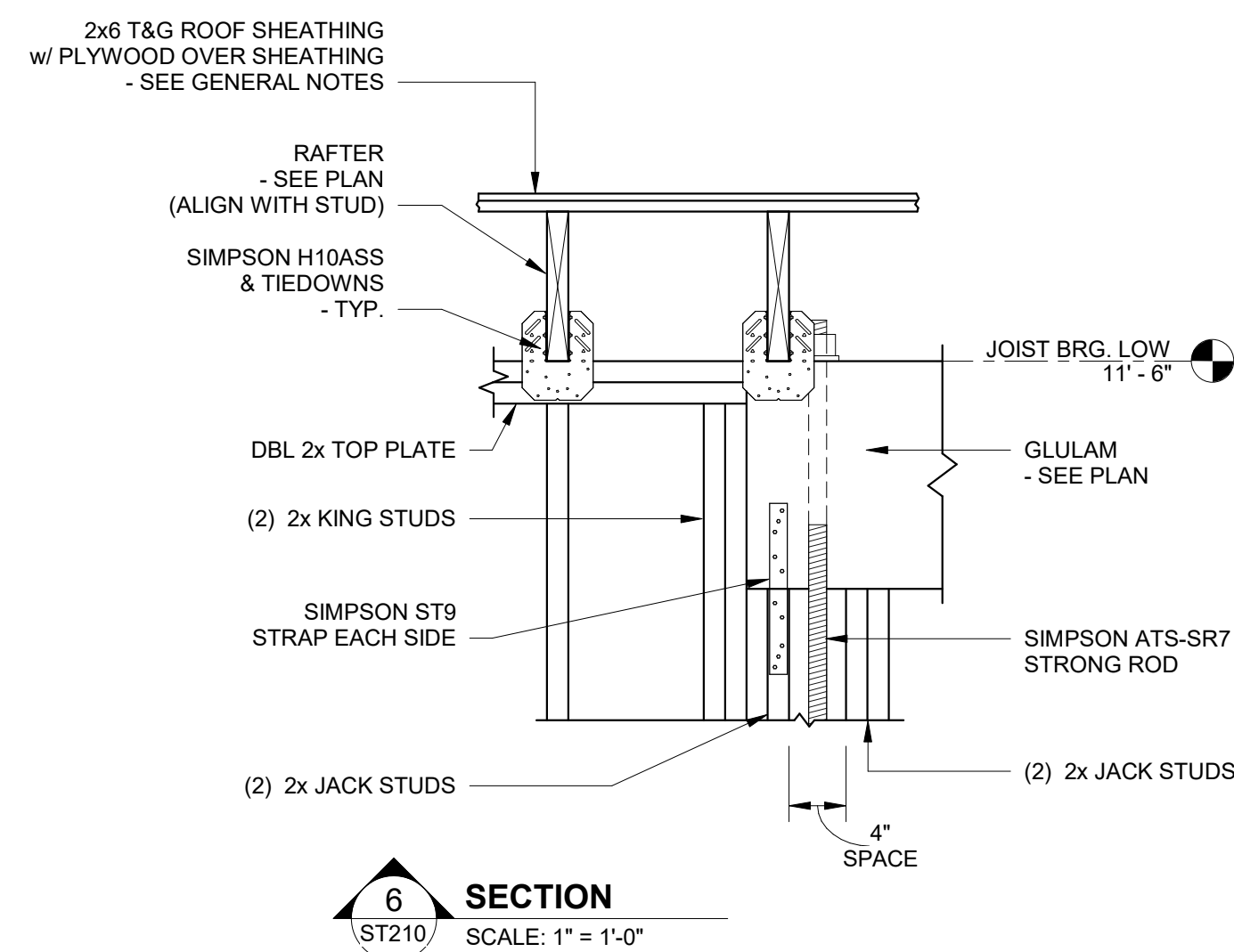
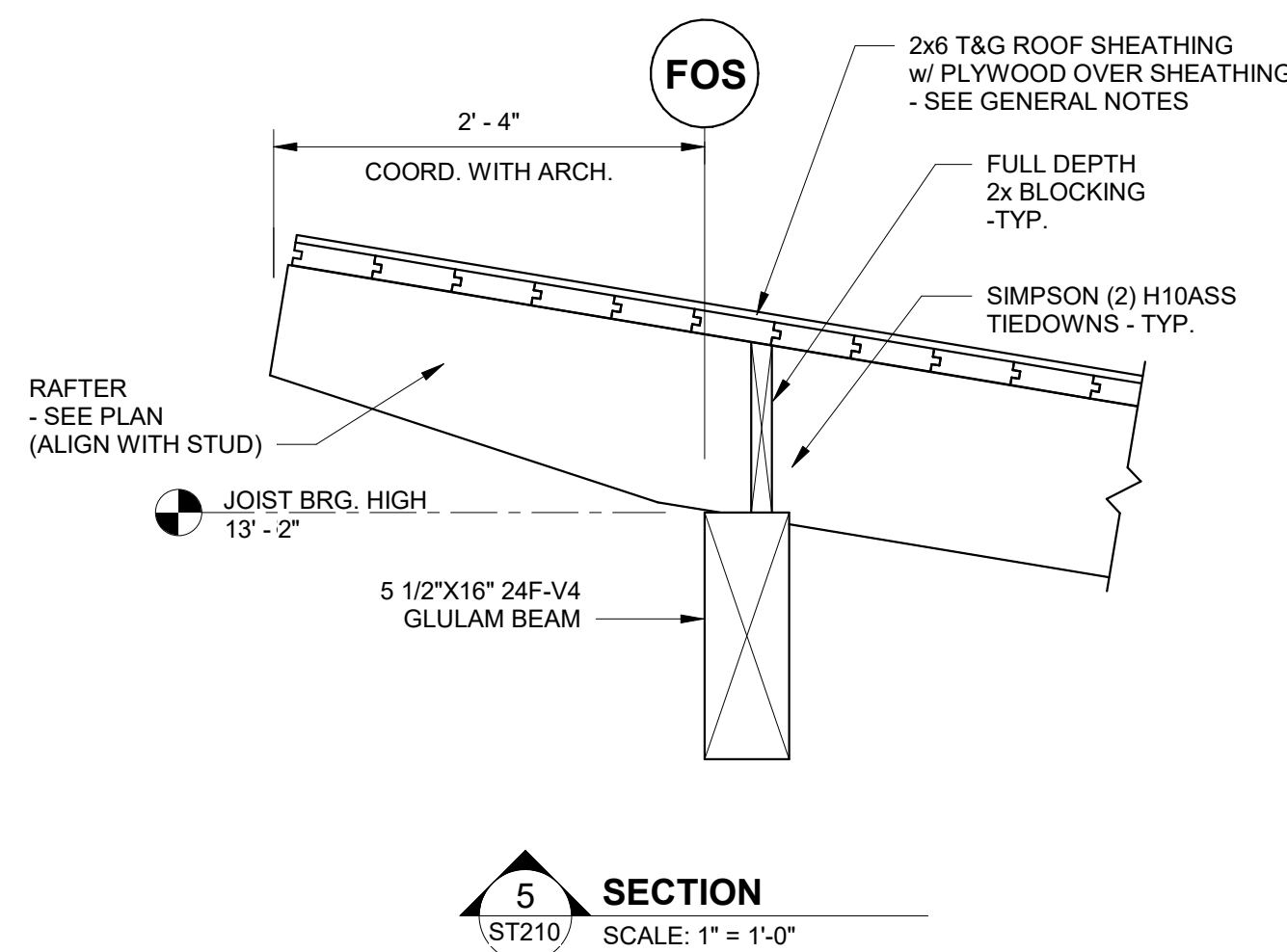
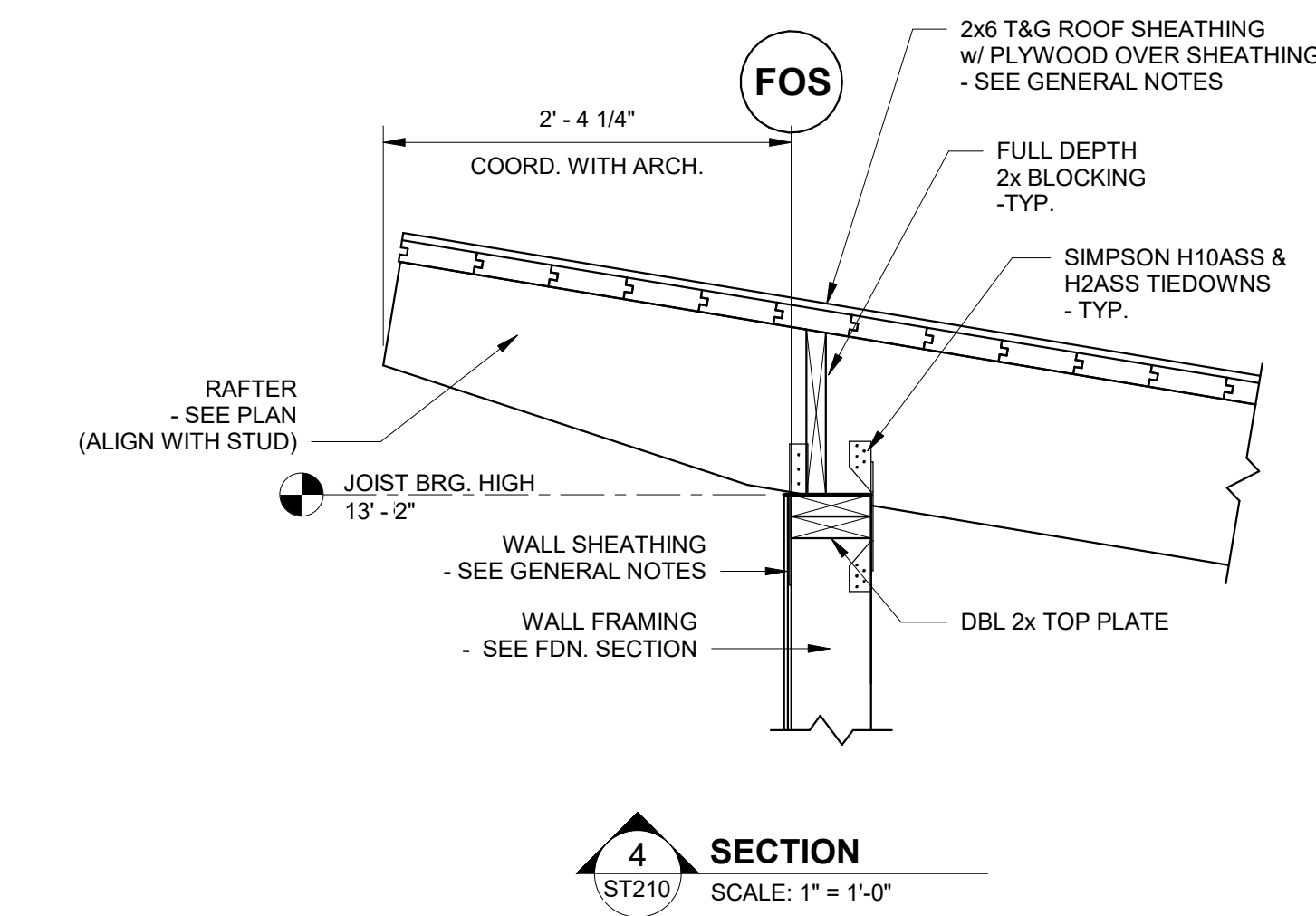
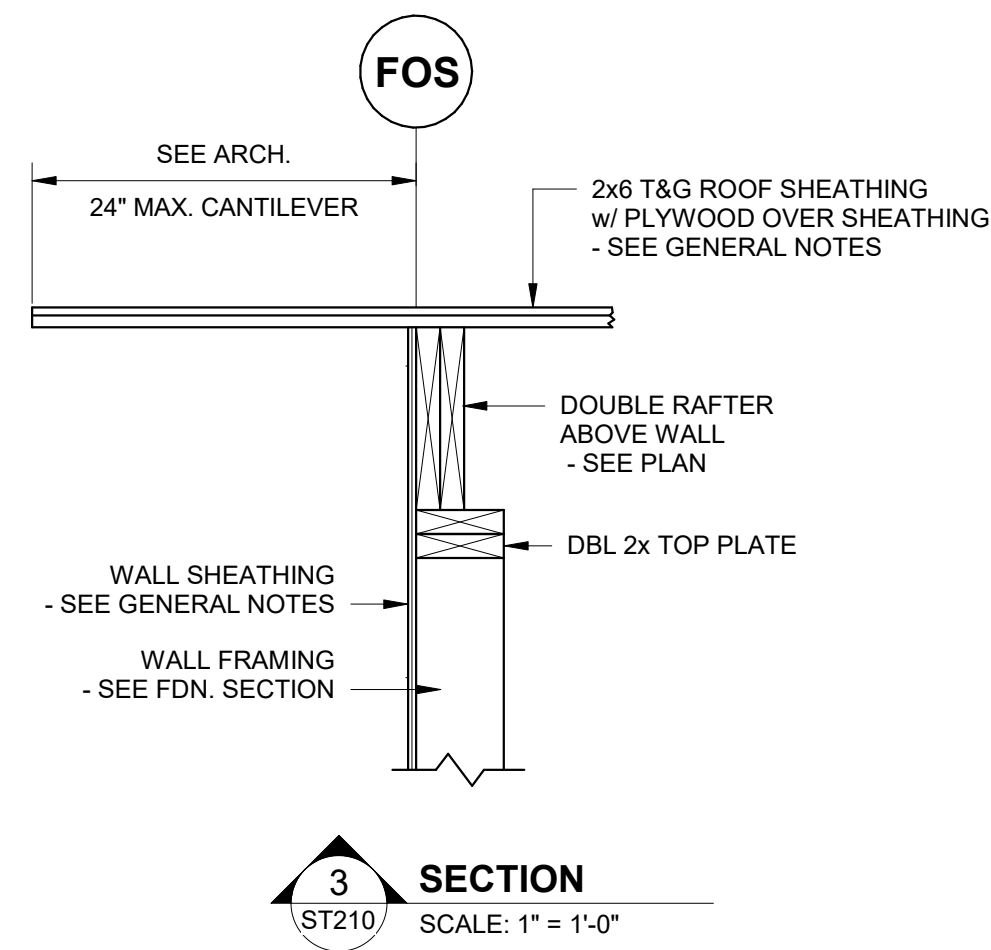
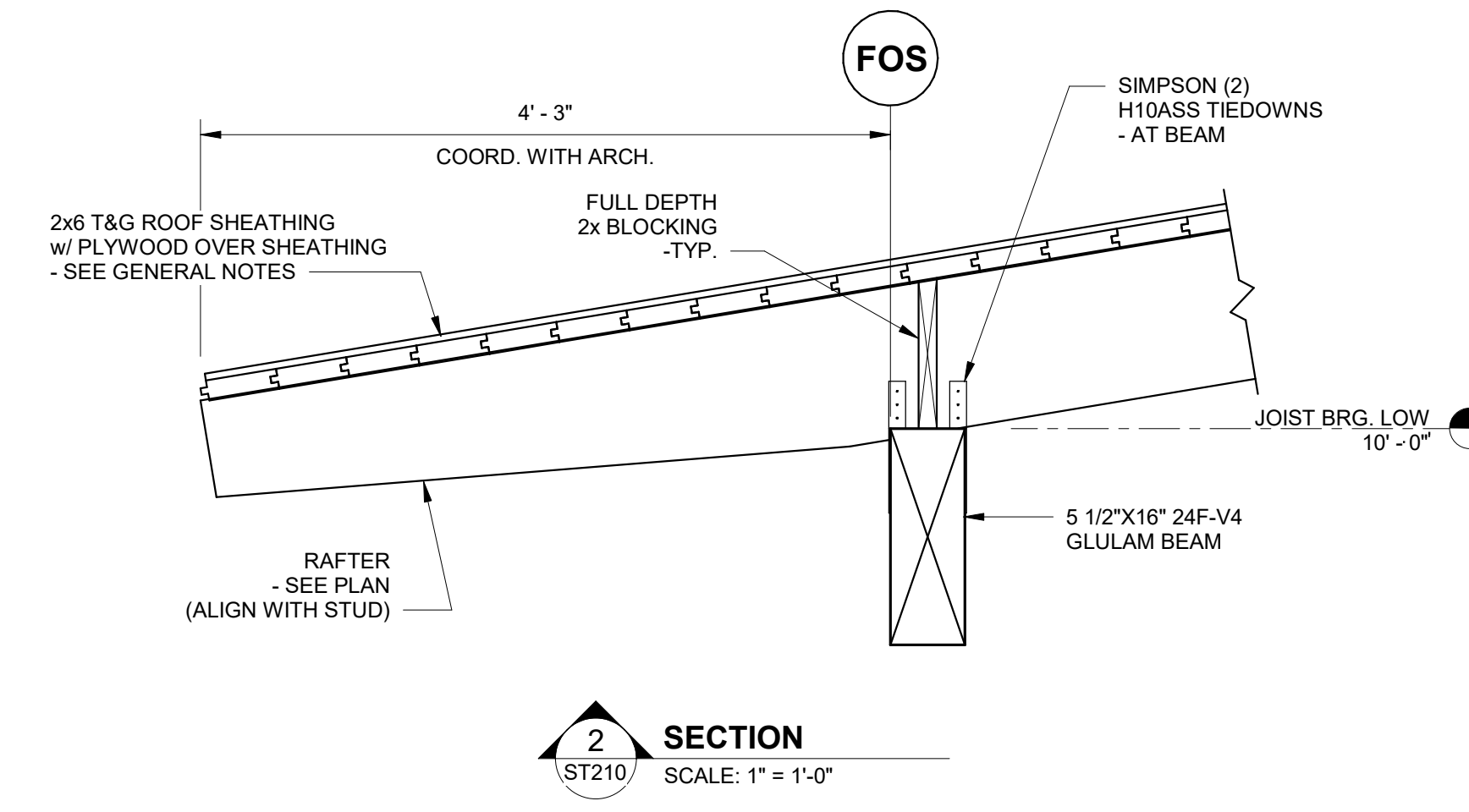
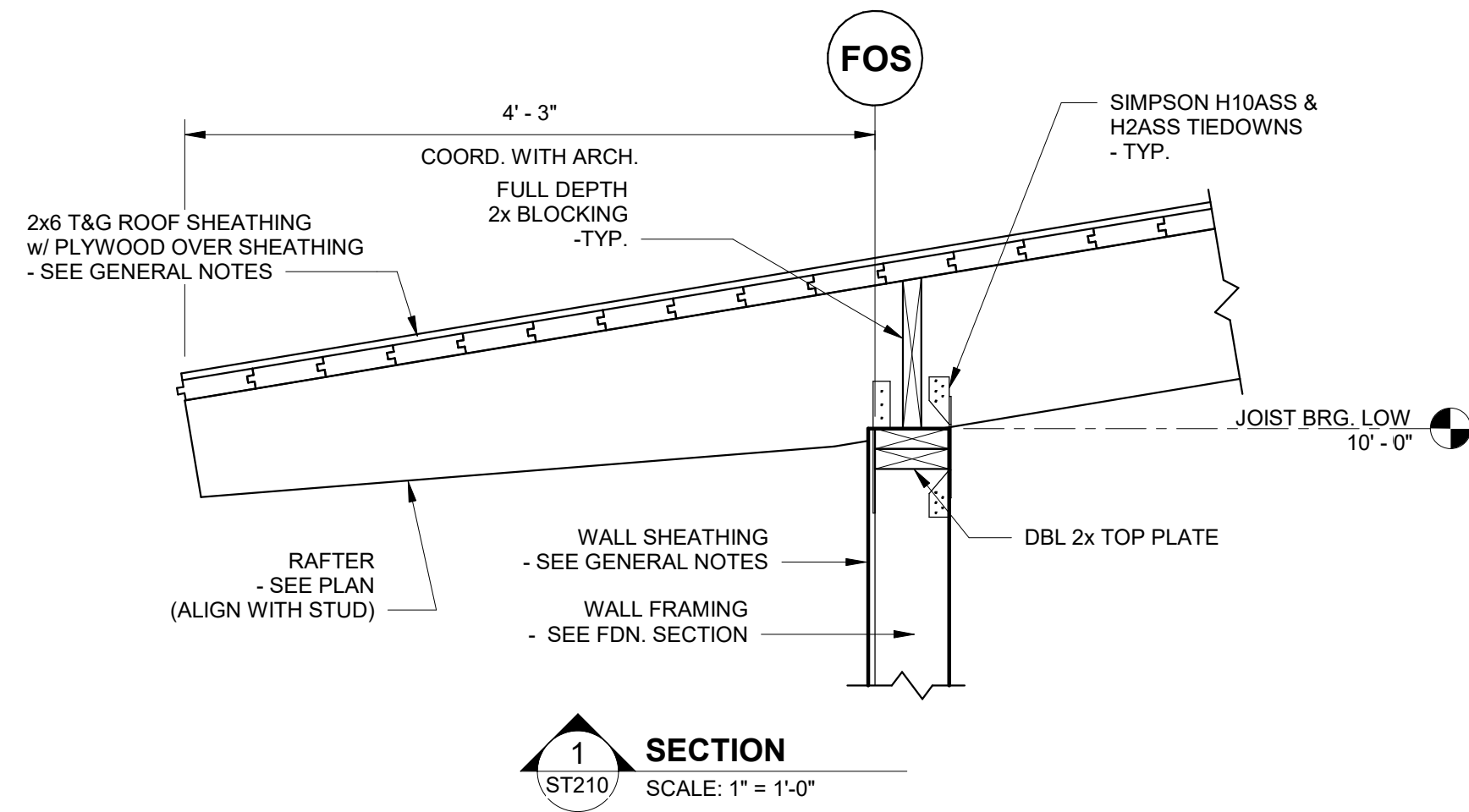
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JOB  
**20-1101-0049**

PROJECT STATUS  
**CONFORMANCE SET**

DATE  
**MARCH 24, 2023**

SHEET NAME  
**ROOF FRAMING SECTIONS**

SHEET NO.  
**ST210**

### HVAC SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	-CEILING DIFFUSER, ROUND NECK (CEILING DIFFUSERS ARE 4-WAY THROW UNO)		-FIRE DAMPER (WITH ACCESS PANEL)
	-ROUND DIFFUSER		-FIRE & SMOKE DAMPER (WITH ACCESS PANEL)
	-CEILING RETURN		-SOUND ATTENUATOR
	-CEILING EXHAUST		-MOTOR OPERATED CONTROL DAMPER (MOD)
	-CEILING DIFFUSER, RECTANGULAR OR SQUARE NECK (CEILING DIFFUSERS ARE 4-WAY THROW UNO)		-AIR FLOW MEASURING STATION
	-SUPPLY REGISTER OR GRILLE (VERTICAL MOUNT, SIDEWALL)		-MANUAL BALANCING DAMPER
	-RETURN/EXHAUST REGISTER OR GRILLE (VERTICAL MOUNT, SIDEWALL)		-DOOR GRILLE
	-REVISION REFERENCE		-UNDERCUT DOOR
	-DETAIL REFERENCE: TOP-DETAIL#, BOTTOM-DRAWING# SHOWN ON		-ACCESS DOORS, VERTICAL OR HORIZONTAL
	-THERMOSTAT/TEMPERATURE SENSOR		-STAINLESS STEEL DUCTWORK
	-HUMIDISTAT/HUMIDITY SENSOR		-FLEXIBLE CONNECTION
	-DUCT SMOKE DETECTOR		-NEW FLAT OVAL DUCT
	-CONNECT TO EXISTING		-NEW DUCTWORK, FIRST DIMENSION IS SIDE SHOWN
	-DEMOLISH TO POINT INDICATED		-EXISTING DUCTWORK TO REMAIN
	-MOTORIZED CONTROL DAMPER		-EXISTING DUCTWORK TO BE REMOVED
	-TEMPERATURE SENSOR		-DUCT ELBOW, POSITIVE PRESSURE (SUPPLY), FIRST DIMENSION INDICATES SIDE TO WHICH ARROW IS POINTING
	-PRESSURE SENSOR		-DUCT ELBOW, EXHAUST
	-BACKDRAFT DAMPER		-DUCT ELBOW, NEGATIVE PRESSURE, RETURN
	-NEUTRAL RELATIVE PRESSURE		-DUCT ELBOW UP THROUGH ROOF OR SLAB ABOVE
	-POSITIVE RELATIVE PRESSURE		-RECTANGULAR DUCT SECTION UP, POSITIVE PRESSURE, SUPPLY OR OUTSIDE AIR
	-NEGATIVE RELATIVE PRESSURE		-RECTANGULAR DUCT SECTION UP, NEGATIVE PRESSURE, RETURN
	-SHEET NOTE CALLOUT		-RECTANGULAR DUCT SECTION UP, EXHAUST
	-SHEET NOTE CALLOUT		-ROUND DUCT SECTION UP
	-SHEET NOTE CALLOUT		-FLAT OVAL DUCT SECTION UP
	-CEILING MOUNTED ACCESS DOOR		
	-SQUARE THROAT ELBOW WITH TURNING VANES		
	-RADIUS ELBOW		
	-RECTANGULAR/ROUND BRANCH TAKE-OFF OR ROUND/ROUND BRANCH TAKE-OFF		
	-EXHAUST DUCT UP THROUGH SLAB W/ FAN ON ROOF ABOVE		
	-EXHAUST FAN ON ROOF W/ DUCT DOWN THROUGH ROOF		

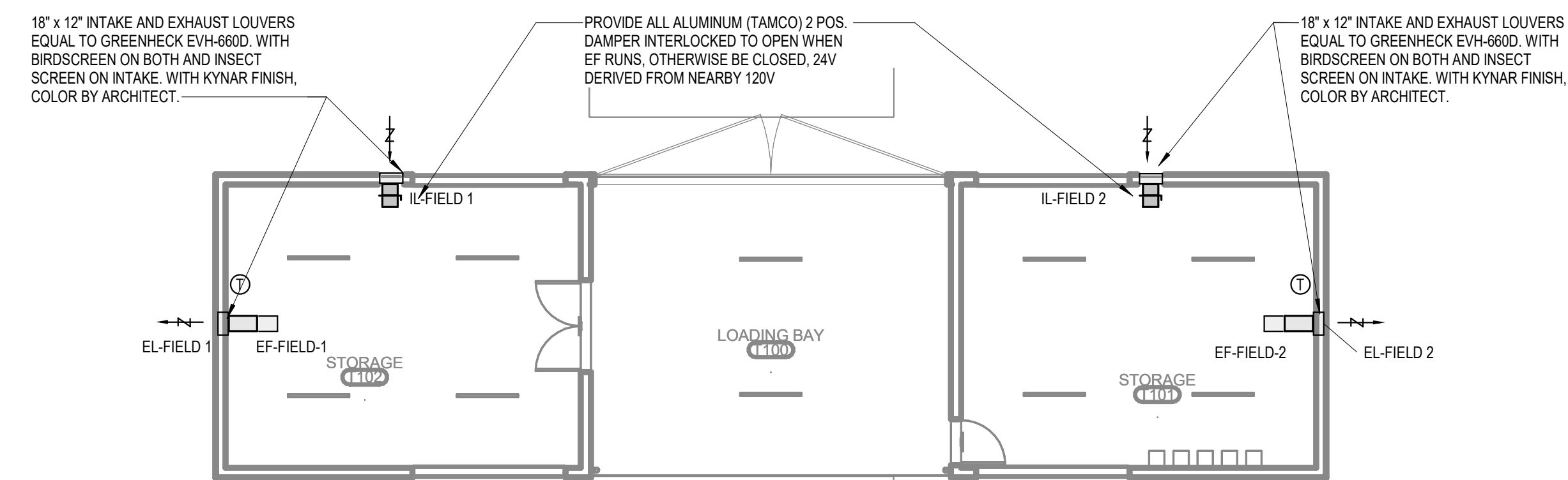
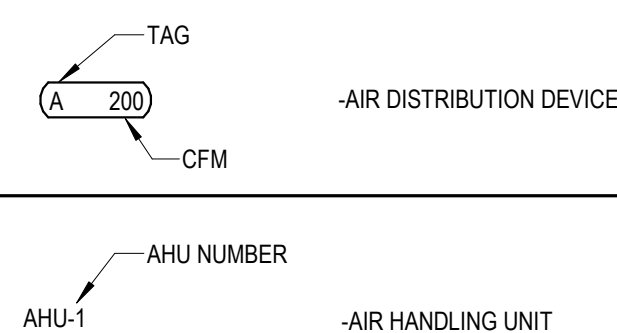
### HVAC ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AFD	-ADJUSTABLE FREQUENCY DRIVE	LD	-LINEAR DIFFUSER
AFF	-ABOVE FINISHED FLOOR	MBH	-THOUSAND BTUs PER HOUR
AFR	-ABOVE FINISHED ROOF	MCA	-MINIMUM CIRCUIT AMPS
AHU	-AIR HANDLING UNIT	MOC	-MAXIMUM OVER CURRENT PROTECTION
AP	-ACCESS PANEL	MOD	-MOTOR OPERATED CONTROL DAMPER (MOD)
BOP	-BOTTOM OF PIPE	NC	-NORMALLY CLOSED
BHP	-BRAKE HORSEPOWER	NO	-NORMALLY OPEN
BTU	-BRITISH THERMAL UNIT	NTS	-NOT TO SCALE
CL	-CENTER LINE	OA	-OUTSIDE AIR
CFM	-CFM (CUBIC FEET PER MINUTE)	OAL	-OUTSIDE AIR LOUVER
CD	-CEILING DIFFUSER	PRV	-PRESSURE REDUCING VALVE
CT	-COOLING TOWER	PRS	-PRESSURE REDUCING STATION
CV	-CONSTANT AIR VOLUME	PSI	-POUNDS PER SQUARE INCH
ΔP	-CHANGE IN PRESSURE	PSIG	-PSI GAUGE
ΔT	-CHANGE IN TEMPERATURE	PTAC	-PACKAGED TERMINAL AIR CONDITIONER
CFM	-CUBIC FEET PER MINUTE	PVC	-POLYVINYL CHLORIDE PIPE
CJ	-CONDENSING UNIT	RA	-RETURN AIR
CU	-CURTAIN UNIT	RHC	-REHEAT COIL
DDC	-DIRECT DIGITAL CONTROLS	RHP	-ROOFTOP HEAT PUMP
DN	-DOWN	RPM	-REVOLUTIONS PER MINUTE
EAT	-ENTERING AIR TEMPERATURE	RSIL	-REFRIGERANT SUCTION & LIQUID LINES
ESP	-EXTERNAL STATIC PRESSURE	RTU	-ROOFTOP AIR HANDLING UNIT
EWT	-ENTERING WATER TEMPERATURE	SA	-SUPPLY AIR
FCU	-FAN COIL UNIT	SP	-STATIC PRESSURE
FD	-FIRE DAMPER	TSP	-TOTAL STATIC PRESSURE
FF	-FINAL FILTERS	UNO	-UNLESS NOTED OTHERWISE
FLA	-FULL LOAD AMPS	VIPL	-VOLTS/PHASE
FPM	-FEET PER MINUTE	VAV	-VARIABLE AIR VOLUME
GPM	-GALLONS PER MINUTE	VFD	-VARIABLE FREQUENCY DRIVE
KW	-KILOWATT		
LAT	-LEAVING AIR TEMPERATURE		
LWT	-LEAVING WATER TEMPERATURE		

### 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 ELECTRICAL CONDUIT.
- 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.
- PROVIDE AIR TURNING VANES IN ALL 90 DEGREE RECTANGULAR DUCT ELBOWS.
- DUCT SIZES AND ALL OPENINGS THROUGH BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT FURNISHED.
- 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.
- ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.
- ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.
- DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS SHALL BE PAINTED FLAT BLACK.
- REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT.
- TRAPPED CONDENSATE DRAINS FROM ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED FOR PROPER DRAINAGE TO SUIT EQUIPMENT FURNISHED.
- ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION, BALANCING OR MAINTENANCE OF ALL MECHANICAL EQUIPMENT.
- 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.
- PROVIDE CONCRETE HOUSEKEEPING PAD UNDER ALL FLOOR-MOUNTED EQUIPMENT. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- VERIFY FINISH WITH ARCHITECT PRIOR TO PURCHASING GRILLES, REGISTERS, DIFFUSERS, LOUVERS AND OTHER AIR DISTRIBUTION DEVICES.
- PROVIDE FLEXIBLE DUCT CONNECTIONS ON ALL DUCTWORK CONNECTING TO EACH FAN, AIR HANDLING UNITS, AND FAN COIL UNITS.
- PROVIDE TRANSITIONS AT DIFFUSER NECKS AS REQUIRED TO MATCH SIZES OF FLEX DUCTS TO BE CONNECTED.
- 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.
- ALL EQUIPMENT, DUCTWORK, ETC., TO BE REMOVED SHALL REMAIN PROPERTY OF THE OWNER OR DISPOSED OF LEGALLY, AS DIRECTED BY OWNER.
- 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.
- LOCATE ALL OUTSIDE AIR INTAKES A MINIMUM OF 10' CLEAR FROM ALL PLUMBING VENTS AND EXHAUST AIR DISCHARGE LOCATIONS.
- DUCT RUNOUTS TO DIFFUSERS SHALL MATCH THE SIZE OF THE DIFFUSER NECK.
- WATER PRESSURE DROPS THROUGH COIL CONTROL VALVES SHALL NOT EXCEED 5 PSI.
- UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND VALVE DRAINS SHALL BE INDEPENDENTLY PIPED FULL SIZE TO THE NEAREST PLUMBING DRAIN.
- SLEEVE AND SEAL ALL PIPING PENETRATIONS THROUGH BUILDING PARTITIONS. PROVIDE MANUAL AIR VENTS AT ALL HIGH POINTS IN CHILLED WATER AND HOT WATER PIPING.
- 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.

### HVAC EQUIPMENT TAGS



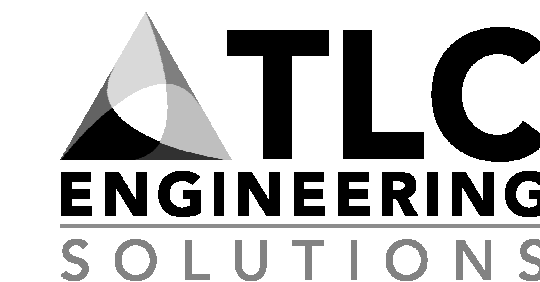
LEVEL 1 - FIELD SHED - MECHANICAL

1/8" = 1'-0"

### FAN SCHEDULE FIELD SHED

PLAN MARK	MODEL	AREA SERVED	TYPE	TOTAL CFM	EXT. SP (IN WG.)	MAX FAN BHP	MOTOR HP	FAN RPM	VOLTS/PHASE	WEIGHT (lb)	NOTES
EF-FIELD-1	SQ-70-VG	FIELD SHED	DIRECT DRIVE INLINE	200	0.35	0.03	1/15	1585	115/1	30	12.3.4
EF-FIELD-2	SQ-70-VG	FIELD SHED	DIRECT DRIVE INLINE	200	0.35	0.03	1/15	1585	115/1	30	12.3.4

- UL 705 LISTED EC MOTOR WITH VARIABLE SPEED DIAL, OR SPEED VARIED BY POTENTIOMETER. PROVIDE ALL ALUMINUM BACKDRAFT DAMPER.
- PROVIDE OSHA GUARD ON FAN INLET.
- CONTROL BY 365 DAY PROGRAMMABLE THERMOSTAT ON WALL. FAN TO RUN WHENEVER INDOOR TEMPERATURE IS ABOVE 78 DEG (ADJ) INTERLOCK INTAKE DAMPER TO OPEN WHENEVER FAN IS ON, OTHERWISE REMAIN CLOSED.
- DISCONNECT BY ELECTRICAL.



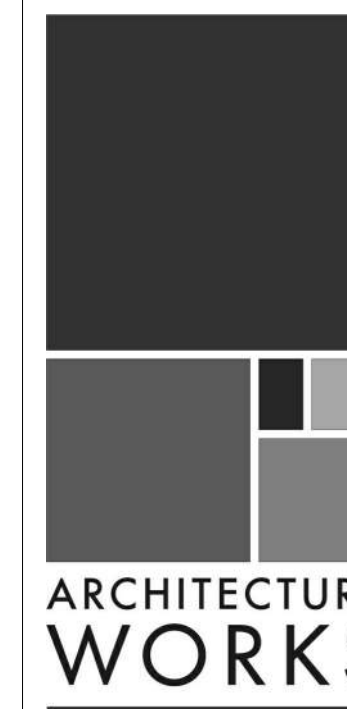
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JOB  
**19-028.000**

PROJECT STATUS  
**CONFORMANCE SET**

DATE  
**MARCH 24, 2023**

SHEET  
**MECHANICAL LEGEND, FLOORPLAN, AND SCHEDULE**

**MT001**





ELECTRICAL GENERAL NOTES

GENERAL:
1. THE DRAWINGS AND APPLICABLE SPECIFICATIONS SHALL BE CONSIDERED SUPPLEMENTARY. ONE TO THE OTHER AND ARE CONSIDERED THE "CONTRACT DOCUMENTS"...
13. CONDUCT WORK OPERATIONS AND DEBRIS REMOVAL IN A MANNER THAT ENSURES MINIMUM INTERFERENCE WITH NORMAL BUSINESS OPERATIONS...

14. PROVIDE HACR RATED CIRCUIT BREAKER FOR ALL HVAC EQUIPMENT.
15. PROVIDE AFCI PROTECTION TO COMPLY WITH NEC IN ALL GUEST ROOMS AND GUEST SUITES WITH PROVISIONS FOR COOKING...
16. PROVIDE ENGRAVED PLASTIC LAMINATE NAME TAGS ON EACH SWITCHBOARD...

17. PROVIDE ALL PENETRATIONS THROUGH FLOORS, WALL, CEILING AND ROOFS WHERE REQUIRED. COORDINATE LOCATIONS AND SIZES WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS...
18. WHERE THERE IS NO EMERGENCY GENERATOR/ LIFE SAFETY DISTRIBUTION BRANCH AVAILABLE, PROVIDE INTEGRAL BATTERY PACKS...

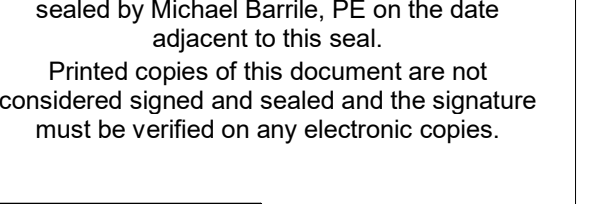
19. HEAT DETECTORS SHALL BE ADDRESSABLE, FIXED TYPE @ 135 DEG F, UNLESS OTHERWISE NOTED.
20. WHERE THERE IS A GENERATOR ON THE PROJECT, CIRCUIT THE REMOTE GENERATOR ANNUNCIATOR PANEL ALARM OUTPUTS TO FIRE ALARM CONTROL PANEL PER AUTHORITY HAVING JURISDICTION REQUIREMENTS...
21. PROVIDE LABELS FOR REMOTE ALARM INDICATORS FOR DUCT MOUNTED SMOKE DETECTORS...

22. ALL ELECTRICAL BOXES SHALL BE METALLIC.
23. BOX OPENINGS SHALL OCCUR ONLY ON ONE SIDE OF FRAMING STRUCTURE.
24. BOX OPENINGS SHALL NOT EXCEED 16 SQUARE INCHES.
25. ALL CLEARANCES BETWEEN OUTLET BOX AND GYPSUM BOARD SHALL BE COMPLETELY FILLED WITH JOINT COMPOUND...

26. FIRE PROTECTION PIPING SHALL NOT BE USED FOR GROUNDING.
27. ALL FEEDERS AND BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR. METAL RACEWAYS SHALL NOT BE USED AS EQUIPMENT GROUND.
28. WHERE A PHASE CONDUCTOR IS INCREASED IN SIZE DUE TO VOLTAGE DROP, THE EQUIPMENT GROUND CONDUCTOR SHALL BE INCREASED IN SIZE PROPORTIONATELY...

29. LIGHT FIXTURES SUPPORTED BY CEILING GRID SHALL BE SUPPORTED AS FOLLOWS: LIGHT FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE 1/2-GAUGE HANGER WIRE CONNECTED FROM THE LIGHT FIXTURE TO THE STRUCTURE ABOVE...
30. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES IN LAY-IN AND GYPOBOARD CEILING WITH ARCHITECTURAL REFLECTED CEILING PLANS...

31. ALL WORK AND EQUIPMENT UNDER THIS DIVISION SHALL BE IN STRICT COMPLIANCE WITH THE CODES, STANDARDS AND PRACTICES LISTED HEREIN:
A. LIFE SAFETY CODE, NFPA 101.
B. UNDERWRITERS LABORATORIES, INC. (UL) PUBLICATIONS.
C. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
D. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
E. NATIONAL ELECTRICAL CODE (NEC), 2020 EDITION.
F. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
G. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA).
H. REQUIREMENTS OF LOCAL POWER COMPETE, SIGNED & SEALED DRAWINGS.
I. THE AMERICANS WITH DISABILITIES ACT (ADA).
J. OWNER'S PUBLISHED DESIGN STANDARDS.
K. INTERNATIONAL BUILDING CODE.
L. ICC 2021
M. ASHRAE 90.1 2013



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GULF COAST CENTER FOR ECOTOURISM & SUSTAINABILITY MAWFIELD SHED PACKAGE# GULF SHORES, ALABAMA

WHERE THERE IS A DISCREPANCY BETWEEN ABOVE GENERAL NOTES AND SPECIFICATIONS, WHERE APPLICABLE, SPECIFICATIONS SHALL BE FOLLOWED

APPLICABLE CODES

ALL WORK AND EQUIPMENT UNDER THIS DIVISION SHALL BE IN STRICT COMPLIANCE WITH THE CODES, STANDARDS AND PRACTICES LISTED HEREIN:
A. LIFE SAFETY CODE, NFPA 101.
B. UNDERWRITERS LABORATORIES, INC. (UL) PUBLICATIONS.
C. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
D. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
E. NATIONAL ELECTRICAL CODE (NEC), 2020 EDITION.
F. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
G. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA).
H. REQUIREMENTS OF LOCAL POWER COMPETE, SIGNED & SEALED DRAWINGS.
I. THE AMERICANS WITH DISABILITIES ACT (ADA).
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Table with project status, date, sheet, and sheet information. Includes Project Status: CONFIRMANCE SET, Date: MARCH 24, 2023, Sheet: ELECTRICAL GENERAL NOTES, Sheet: ET001.













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

COA 15

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**THINK. LISTEN. CREATE.**



04/07/2023

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302 Magnolia Avenue  
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**MAWFIELD SHED PACKAGE#3**  
GULF SHORES, ALABAMA

**LIGHTING FIXTURE SCHEDULE**

TYPE	DESCRIPTION	MANUFACTURER	MODEL	TYPE	COMMENTS
F	ARCHITECTURAL GRADE CEILING FAN	BY ARCHITECT	SELECTIONS BY ARCHITECT	LED	CEILING FANS TO BE SELECTED BY THE ARCHITECT. LINE ITEM SHOWN FOR REFERENCE ONLY.
LF1	4" LED TUNABLE WHITE DOWNLIGHT	ALPHABET PORTFOLIO BOLD	NU4-RD-TW-13LM-2765-95-HE45-UNV-MOUNTING-COLOR LD4B19DE010W2N2765 EU4B1020W2N902765 4LBXXX CRF4-NIC-T-U-S-0-TW-F-FINISH-FINISH-11-D	LED	MOUNTING SELECTION TO BE DETERMINED BY CONTRACTOR. COLOR SELECTIONS & LIGHT COLOR TUNING TO BE SELECTED BY ARCHITECT.
LF2	DECORATIVE LED WALL CYLINDER FIXTURE	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. FINISH TO BE SELECTED BY ARCHITECT. VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN
LF3	RECESSED "MOVE IT" DECORATIVE LED TRACK LIGHTING	XAL LITELINE	MOVE1.2-RTL-BL-48V-010V-ST-XXFT KL-I-T-XX-C-X-R-BK	LED	DECORATIVE RECESSED TRACK LIGHTING SYSTEM. COORDINATE WITH ARCHITECT ON LENGTH & SHAPE PRIOR TO ORDERING.
LF4	SURFACE-MOUNT "MOVE IT" DECORATIVE DIRECT/INDIRECT LED TRACK LIGHTING	XAL LITELINE	MOVE1.1-PDT-BL-BW-35K-C90-48V-010V-0500LF-ST-XXFT KL-I-FIS-XX-C-XX-X-BK/CL-SPOT-BK	LED	DECORATIVE SURFACE/PENDANT TRACK LIGHTING SYSTEM. COORDINATE WITH ARCHITECT ON LENGTH & SHAPE PRIOR TO ORDERING.
LF5	RECESSED 2" X 4" LED LINEAR FIXTURE	FINELITE NEORAY MARK ARCHITECTURAL	HP-2-R-D-4"-S-935-F-96LG-120-SC-MOUNTING S122DR-S350D935-XX4F0-1-UDD-F-W SLZL-LOP-4FT-FLP-FL-90CRI-35K-1000LMF-MIN1-120	LED	MOUNTING SELECTION TO BE DETERMINED BY CONTRACTOR.
LF6	5 5/8" LED RECESSED DOWNLIGHT	BEGA LIGMAN LIGHTHEADED	24817 35K UMO-80012-21W-M-W35 2-116-T-04-BRO36-35-8014-WET / DAB-FVR-R-T-3-P-VOLT 50144-FINISH	LED	COLOR SELECTION TO BE BY ARCHITECT.
LF7	DECORATIVE WALL-MOUNTED LED VANITY FIXTURE	BEGA	50144-FINISH	LED	FINAL MOUNTING HEIGHT TO BE COORDINATED WITH ARCHITECT. FINISH SELECTION TO BE BY ARCHITECT.
LF8	SURFACE/PENDANT-MOUNT 2" X 4" LED LINEAR FIXTURE	FINELITE NEORAY MARK ARCHITECTURAL	HP-2-SM-D-4"-S-935-F-96LG-120-SC-MOUNTING-FE-FINISH S122MDP-C350D935-XX-XX4F0-1-UDD-F-SZLS-LLP-4FT-90CRI-1000LMF-MIN1-120-WHT	LED	COORDINATE SURFACE OR PENDENT MOUNT WITH ARCHITECT. FINISH SELECTION TO BE BY ARCHITECT.
LF9	RECESS-MOUNT, EDGE-LIT, LED EXIT SIGN	DUAL-LITE SURE-LITES BEGHELLI	LECRX-FINISH-E EUXTRXX OL2-SA-LR-1/2-C-CR-FINISH	LED	DIRECTIONAL CHEVRONS, WALL OR CEILING MOUNT. SINGLE OR DOUBLE FACE TO BE COORDINATED AT EACH LOCATION.
LF10	ARCHITECTURAL WALL-MOUNT LED FIXTURE	BEGA LIGMAN SISTEMALUX	33341 35K UGN-30031-2X12W-W35 S.252W/MOD35K-DF-UNV-FINISH	LED	VERIFY FINISH AND MOUNTING HEIGHT WITH ARCHITECT.
LF11	8" DIA. LED PENDANT MOUNT CYLINDER	BEGA LIGMAN FC LIGHTING	24507 35K UJE-9511-39W-W35 FCC800-17-SPMLENGTH-UNV-935-30L-FINISH-40-LD	LED	VERIFY FINISH AND MOUNTING HEIGHT WITH ARCHITECT.
LF13	DECORATIVE LED SITE BOLLARD FIXTURE	LIGMAN FC LIGHTING BEGA	ULI-10021-29W-T4-W35-FINISH-120/277V FC81890-UNV-42-4K-19L-FINISH 88977 K35 FINISH 79 902	LED	VERIFY FINISH WITH ARCHITECT.
LF14	SECORATIVE LED SITE COLUMN LIGHT FIXTURE	LIGMAN WE-EF LUMINIS	UBE-20011-20W-W35-FINISH-120/277V 645-3421 LQ641-L1L15-R2-LQP689-120/277-FINISH	LED	VERIFY FINISH WITH ARCHITECT.

Issue	
Revision	
Date	
No.	

JOB  
**19-028.000**

PROJECT STATUS  
**CONFORMANCE SET**

DATE  
**MARCH 24, 2023**

SHEET  
**LIGHTING FIXTURE SCHEDULE**

SHEET  
**ET402**







04/07/2023

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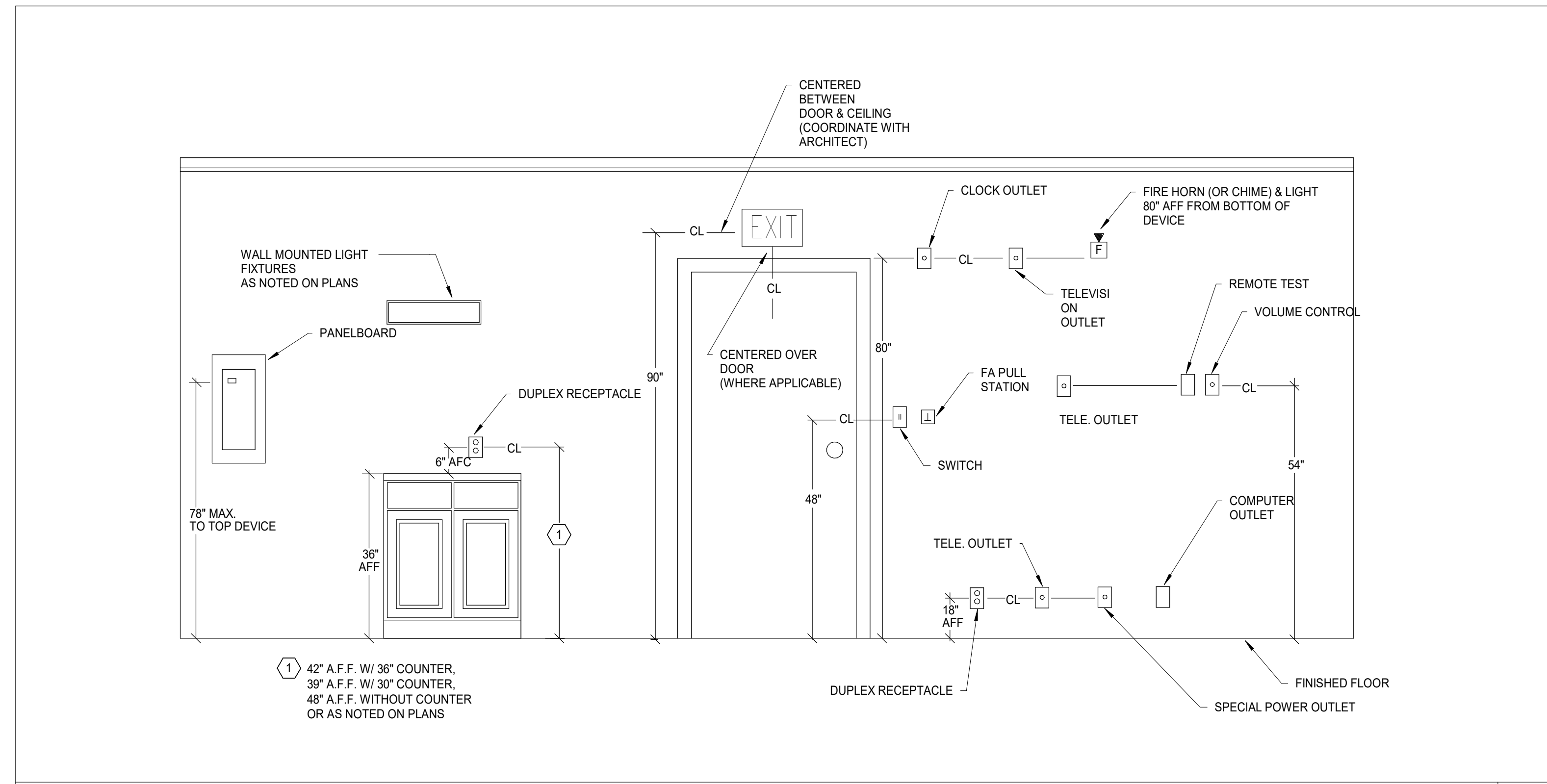
130 NINETEENTH STREET SOUTH  
BIRMINGHAM, ALABAMA 35233  
TELEPHONE: 205.320.0880  
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**TYPICAL ELECTRICAL MOUNTING HEIGHTS**

No Scale

Revised	
Date	
No.	
JOB	19-028.000
PROJECT STATUS	CONFORMANCE SET
DATE	MARCH 24, 2023
SHEET	ELECTRICAL DETAILS
SHEET	ET501

## 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 SYSTEM 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:
  - 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.
- EACH VOICE/DATA RJ45 JACK SHALL BE CONNECTED TO A DEDICATED 4 PR CABLE.
- 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.
- SOME SYMBOLS INCLUDED IN THE SYMBOL LEGEND MAY NOT BE USED IN THESE PROJECT DRAWINGS.
- 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.
- 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.
- 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.
- 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.
- 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:
  - NIC (N.I.C.) = NOT IN CONTRACT
  - OFE (O.F.E.) = OWNER FURNISHED EQUIPMENT. SEE RESPONSIBILITY MATRIX FOR MORE INFORMATION.
  - DHI (D.H.I.) = DOOR HARDWARE INSTALLER
  - USC (U.S.C.) = UNDER SEPARATE CONTRACT.
- ALL REQUIRED WALL PENETRATIONS, EXISTING AND NEW, SHALL MAINTAIN THE NEW WALL RATING AFTER CABLING HAS BEEN INSTALLED OR REMOVED.
- 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 GL2(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 OMI 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)
- WIRE AND/OR CONDUIT RUN CONTINUED ON REFERENCED DETAIL
- - - MATCH LINE REFERENCING CONTINUATION ON OTHER DRAWINGS
- - - - - DETAIL AND/OR SECTION REFERENCE
- CABLE ROUTING BOUNDARY
- FUTURE WORK

## BASIC MATERIALS

- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- ] CAPPED CONDUIT
- | CONDUIT STUBBED AND BUSHED INTO ACCESSIBLE CEILING CAVITY
- ) CONDUIT CONTINUED
- CONDUIT SLEEVES
- X= QTY OF SLEEVES
- Y= SIZE OF CONDUITS SLEEVES PENETRATING WALL ABOVE CEILING SPACE.
- IF NO QUANTITY INDICATED USE AS MANY SLEEVES AS REQUIRED TO MATCH CROSS SECTIONAL AREA OF CABLE TRAY NEXT TO SLEEVE.
- TUBULAR RUNWAY, HUNG ABOVE CEILING OR AS NOTED
- CABLE TRAY (TYPE), HUNG ABOVE CEILING OR AS NOTED
- SURFACE MOUNTED ENCLOSED TECHNOLOGY SYSTEMS. SEE SHEETS WITH DETAILS FOR ADDITIONAL INFORMATION
- JUNCTION BOX WALL MOUNTED. SIZE PER NEC IF NOT INDICATED ON DRAWING. NEMA 1 FOR INTERIOR, NEMA 4X FOR EXTERIOR USE WITH HINGED COVER AND LOCKING COVER
- JUNCTION BOX CEILING MOUNTED. SIZE PER NEC IF NOT INDICATED ON DRAWING. NEMA 1 FOR INTERIOR, NEMA 4X FOR EXTERIOR USE WITH HINGED COVER AND LOCKING COVER
- TELECOMMUNICATIONS GROUND VAULT. SEE DETAILS AND SPECS FOR MORE INFORMATION
- X= BOX TYPE. IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- TELECOMMUNICATIONS PULLBOX. SEE DETAILS AND SPECS FOR MORE INFORMATION
- X= BOX TYPE. IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- TECHNOLOGY POLE. SEE SHEETS WITH DETAILS FOR ADDITIONAL INFORMATION

## DRAWING NOTES AND DESIGNATIONS

- X DRAWING KEYED NOTES
- ◇ CABLE ROUTING NOTES
- X-Y DETAIL OR SECTION REFERENCE TAG

## AUDIO VISUAL EQUIPMENT

- CEILING MOUNTED SPEAKER
- X= SPEAKER TYPE
- Y= SPEAKER ZONE
- Z= DENOTES SPEAKER # IN ZONE
- W= DENOTES SPEAKER WATTAGE TAP
- NO ZONE INDICATES LOCAL ZONE FOR AV SYSTEM IN ROOM
- WALL MOUNTED SPEAKER
- X= SPEAKER TYPE
- Y= SPEAKER ZONE
- Z= DENOTES SPEAKER # IN ZONE
- W= DENOTES SPEAKER WATTAGE TAP
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF DEVICE
- NO ZONE INDICATES LOCAL ZONE FOR AV SYSTEM IN ROOM
- VOLUME CONTROL, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- FLIP TOP DEVICE MOUNTED ON TABLE
- SENS MICROPHONE FOR AMBIENT NOISE, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF
- SENS MICROPHONE FOR AMBIENT NOISE, CEILING MOUNTED
- MICROPHONE, DESK MOUNTED
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- MICROPHONE, WALL MOUNTED
- X= DENOTES TYPE OF OUTLET, IF NOT SHOWN, ONLY ONE TYPE
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET
- MICROPHONE, CEILING MOUNTED
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- WIRELESS ANTENNA FOR WIRELESS MICROPHONE, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF
- TOUCH SCREEN FOR AUDIO/VIDEO CONTROL, DESK MOUNTED
- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- TOUCH SCREEN FOR AUDIO/VIDEO CONTROL, WALL MOUNTED, INCLUDES BACK BOX
- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- CAMERA FOR AV SYSTEM, WALL MOUNTED
- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET
- CAMERA FOR AV SYSTEM, CEILING MOUNTED
- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- ASSISTED LISTENING TRANSMITTER, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET
- ROOM SCHEDULING PANEL, WALL MOUNTED, INCLUDES BACK BOX
- X= DENOTES TYPE OF OUTLET, SEE RISER FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- AUDIO VISUAL DISPLAY
- TT= DISPLAY TYPE WITH MOUNT
- XX= SCREEN SIZE
- YY= HEIGHT TO CENTER OF SCREEN
- INTERACTIVE WHITEBOARD
- TT= DISPLAY TYPE WITH MOUNT
- XX= SCREEN SIZE
- YY= HEIGHT TO CENTER OF SCREEN
- OVERHEAD PROJECTOR WITH MOUNT
- X= TYPE
- Y= LENS THROW RATIO
- PULLDOWN PROJECTION SCREEN
- X= DIAGONAL DIMENSION IN INCHES
- MOTORIZED PROJECTION SCREEN
- X= DIAGONAL DIMENSION IN INCHES
- WALL SWITCH FOR MOTORIZED SCREEN
- PODIUM FOR AV EQUIPMENT. REFER TO DETAIL SHEETS
- X= DENOTES TYPE OF OUTLET, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- AV PLATE OUTLET. REFER TO DETAIL SHEETS
- X= DENOTES TYPE OF OUTLET, SEE DETAIL FOR MORE INFO, IF NOT SHOWN, ONLY ONE TYPE
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 1'-6" AFF

## VIDEO SURVEILLANCE SYSTEMS

- PAN/TILT/ZOOM CCTV CAMERA, WALL MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- PAN/TILT/ZOOM CCTV CAMERA, CEILING MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- FIXED CCTV CAMERA, WALL MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- FIXED CCTV CAMERA, CEILING MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 180° CCTV CAMERA, WALL MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 180° CCTV CAMERA, CEILING MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 180° MULTIMAGER CCTV CAMERA, WALL MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 180° MULTIMAGER CCTV CAMERA, CEILING MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 360° CCTV CAMERA, WALL MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 360° CCTV CAMERA, CEILING MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 360° MULTIMAGER CCTV CAMERA, WALL MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- 360° MULTIMAGER CCTV CAMERA, CEILING MOUNTED
- X,C= CAMERA TYPE (1,2,3), SEE DETAIL SHEETS FOR MORE INFORMATION, C = CAMERA NUMBER
- CCTV FLAT PANEL DISPLAY WITH MOUNT
- XX= SCREEN SIZE
- YY= HEIGHT TO CENTER OF SCREEN
- SECURITY SYSTEM WORKSTATION, DESK MOUNTED
- X= TYPE

## ELECTRONIC SECURITY SYSTEM

- CARD READER, WALL MOUNTED
- CARD READER WITH INTEGRATED KEYPAD, WALL MOUNTED
- BIOMETRIC ACCESS CONTROL DEVICE, WALL MOUNTED
- KEYPAD, WALL MOUNTED
- WIRED IP LOCK, DOOR MOUNTED
- WIRELESS MORTISE LOCK, DOOR MOUNTED
- WIRELESS CYLINDRICAL LOCK, DOOR MOUNTED
- INTRUSION ALARM KEYPAD
- ELECTRIC MORTISE LOCK OR ELECTRIC TRIM
- DELAYED EGRESS LATCH LOCK
- DELAYED EGRESS MAG LOCK
- ELECTRIC CYLINDRICAL LOCK
- ELECTRIC LATCH RETRACTION LOCK
- ELECTROMAGNETIC LOCK
- ELECTRONIC DETENTION LOCK
- ELECTRIC DOOR STRIKE
- ELECTRIC DOOR OPERATOR (ACTUATOR ARM)
- DOOR POSITION SWITCH
- BALANCED MAGNETIC SWITCH
- PIM MODULE FOR WIRELESS LOCKS, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- ALARM, BLUE LIGHT, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- LOCAL ALARM - HORN/STROBE, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- SIREN ALARM FOR INTRUSION DETECTION, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- ASSISTANCE STATION, WALL MOUNTED
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT. REFER TO SPECIFICATION FOR TYPE
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- ASSISTANCE STATION (BLUE LIGHT), TOWER STATION
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT. REFER TO SPECIFICATION FOR TYPE
- INTERCOM SUBSTATION (DOOR STATION), WALL MOUNTED
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT. REFER TO RISER FOR TYPE
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- INTERCOM MASTER STATION, DESK MOUNTED
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT. REFER TO RISER FOR TYPE
- INTERCOM MASTER STATION, WALL MOUNTED
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT. REFER TO RISER FOR TYPE
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- CALL STATION (THROUGH PHONE LINE) FOR BUILDING ENTRY, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- DOOR TYPE IDENTIFIER
- X= TYPE (A1,C3,B6..) REFER TO SECURITY DOOR DETAILS
- DOOR RELEASE BUTTON, WALL MOUNTED
- X= A: ADA ACCESSIBLE - (PALM ACTUATOR), W: HAND WAVE, NO TYPE: REGULAR PUSH BUTTON
- DOOR RELEASE BUTTON, DESK MOUNTED
- REQUEST TO EXIT DEVICE (IR SENSOR), MOUNT CENTERED ABOVE DOOR FRAME
- GLASS BREAK SENSOR, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 7'-0" AFF
- GLASS BREAK SENSOR, CEILING MOUNTED
- GATE PEDESTAL
- ELECTRIC GATE OPERATOR
- DURESS PANIC BUTTON, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 4'-0" AFF
- DURESS PANIC BUTTION, MOUNTED UNDER DESK
- MOTION DETECTOR, WALL MOUNTED, MOUNT 6" BELOW CEILING OR 8'-0" AFF MAX
- MOTION DETECTOR, 360 DEGREE SENSOR, CEILING MOUNTED
- DURESS PANIC BUTTON, WALL MOUNTED
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF
- INFANT ABDUCTION SYSTEM, CEILING MOUNTED ABOVE DOOR
- LINE BETWEEN SECURITY DEVICES, INDICATES ASSOCIATED EQUIPMENT
- CONTROLLED DOOR INTERLOCK GROUP. PROGRAMMED SO ONLY ONE DOOR CAN BE OPEN AT A TIME.
- ACCESS CONTROL DOOR DIRECTION, A1/A2 - REPRESENTS ACCESS CONTROL PATH
- FREE - NO ACCESS CONTROL
- CR - CARD READER
- BIOMETRIC - BIOMETRIC READER
- CR/KP - CARD READER AND KEYPAD
- MONITORED - DOOR MONITORED

## VOICE AND DATA SYSTEM

- TELECOMMUNICATION OUTLET
- X= MOUNTING; (E= EXISTING, F= FLUSH, S= SURFACE, M= MODULAR FURNITURE ADAPTER, P= POLE, L= FLOOR, R= RACEWAY)
- N= NUMBER OF DATA CABLES IN THE FACEPLATE
- Y= NOT USED
- Z= NUMBER OF FIBER OPTIC STRANDS IN THE FACEPLATE
- U= USER (IF APPLICABLE)
- ++= INSTALLATION HEIGHT IN INCHES AT CENTER OF OUTLET, COORDINATE WITH ELECTRICAL. IF NOT SHOWN INSTALL AT TYPICAL RECEPTACLE HEIGHT.
- W= WALL TELEPHONE FACEPLATE WITH SUPPORT STUDS, INSTALLED AT 48" AFF AT CENTER OF OUTLET AND 12" FROM EDGE OF WALL.
- WP=WEATHERPROOF
- EXAMPLE: F2 = TWO DATA JACKS IN A SINGLE FACEPLATE, FLUSH MOUNTED
- OUTLET FOR MECHANICAL ELECTRICAL/ FIRE ALARM/ ELEVATOR/ STAR CONNECTION
- Y: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- ++= IF NOT SHOWN, COORDINATE EXACT LOCATION WITH DEVICE
- CEILING MOUNTED INFORMATION OUTLET, MOUNTED ON FINISHED CEILING
- XY: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- ++= IF NOT SHOWN, COORDINATE EXACT LOCATION WITH DEVICE
- OUTLET FOR WIRELESS ACCESS POINT, WALL MOUNTED
- Y: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF OUTLET, IF NOT SHOWN, INSTALL AT 8'-0" AFF
- OUTLET FOR WIRELESS ACCESS POINT, MOUNTED ON FINISHED CEILING
- XY: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- FLOOR BOX FOR TECHNOLOGY SYSTEMS AND POWER OUTLETS. REFER TO POKE-THRU/ FLOORBOX SCHEDULE FOR MORE INFORMATION
- F= FLOOR CONDITION; (C= CONCRETE TYPE, G= GRADE, R= RAISED FLOOR, W= WOOD)
- Y= DENOTES # OF GANGS (1,2,3...)
- Z= DENOTES PLATE TYPE (A,B,C,...), A= NO AUDIO/VISUAL
- LN= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- POKE-THRU FOR TECHNOLOGY SYSTEMS AND POWER OUTLETS. REFER TO POKE-THRU & FLOOR BOX SCHEDULE FOR MORE INFORMATION
- Y= DENOTES POKE-THRU SIZE (4=4", 6=6" 8=8"...)
- Z= DENOTES PLATE TYPE (A,B,C,...), A= NO AUDIO/VISUAL
- LN= AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- FLOOR BOX USED TO FEED CABLES TO MODULAR FURNITURE, REFER TO DETAIL SHEET
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- POKE-THRU USED TO FEED CABLES TO MODULAR FURNITURE, REFER TO DETAIL SHEET
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- AV BACKBOX, INSTALLED BEHIND DISPLAY/ CRENZEN RACK. COORDINATE BACKBOX PRIOR TO ROUGH-IN. REFER TO DETAIL & SCHEDULE FOR MORE INFORMATION
- G= DENOTES # OF GANGS
- XY: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF DEVICE
- RECESS IN-WALL STORAGE BOX. INSTALLED BEHIND DISPLAY, COORDINATE BACKBOX PRIOR TO ROUGH-IN. REFER TO DETAIL & SCHEDULE FOR MORE INFORMATION
- G= DENOTES # OF GANGS
- XY: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- U: AS DESCRIBED FOR TELECOMMUNICATIONS OUTLET
- ++= MOUNTING HEIGHT IN INCHES AT CENTER OF DEVICE
- POWER POLE FOR COMBINED USE - TECHNOLOGY SYSTEMS AND POWER.
- X= TYPE, IF NOT SHOWN, ONLY ONE TYPE IN PROJECT
- FIBER OPTICS ROUTING TAG FOR BACKBONE CABLING
- N= DENOTES CONNECTION TYPE (P=PRIMARY, S=SECONDARY)
- XX= DENOTES FIBER STAND QUANTITY
- Z= DENOTES RUN NUMBER
- REFER TO FIBER OPTICS RISER FOR MORE INFORMATION.

## COVERAGE FOR IDF

COVERAGE OF EACH TELECOM ROOM. THE SHADED REGIONS REPRESENT THE MAXIMUM DISTANCE LOW VOLTAGE CABLES CAN BE RUN FROM EACH IDF.



## T - FIELD SHED SHEET LIST

Sheet Number	Sheet Name	TLC_Sub Discipline
TT000	TECHNOLOGY LEGEND AND SHEET INDEX	FIELD
TT100	FIELD SHED TECHNOLOGY FLOOR PLAN	FIELD
TT500	TECHNOLOGY DETAILS	FIELD



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

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04/07/2023  
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130 NINETEENTH STREET SOUTH  
BIRMINGHAM, ALABAMA 35233  
TELEPHONE: 205.320.0880  
www.architectureworks.com

**WATERSHED**  
*Building Sustainability*

302 Magnolia Avenue  
Fairhope, AL 36532  
p 251.929.0514

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**19-028.000**

PROJECT STATUS  
**CONFORMANCE SET**

DATE  
**MARCH 24, 2023**

SHEET  
**TECHNOLOGY LEGEND AND SHEET INDEX**

SHEET  
**TT000**



