

# FAYETTE COUNTY TRAINING FACILITY FIRING RANGE/OBSERVATION TOWER

340 HEWELL ROAD  
JONESBORO, GA 30238



14 East Washington Street  
Newnan, Georgia 30263  
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FAYETTE CO.  
FIRING RANGE/  
OBSERVATION  
TOWER



340 HEWELL ROAD  
JONESBORO, GEORGIA

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FAYETTE CO.

COMMISSION NO:	1464.00
SHEET TITLE:	COVER SHEET & PROJECT INFORMATION
SHEET NO:	T001

T001  
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**OWNER**  
FAYETTE COUNTY  
140 STONEWALL AVE., SUITE 201  
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PHONE: 770.320.6037  
CONTACT: CARLOS CHRISTIAN  
CCHRISTIAN@FAYETTECOUNTYGA.GOV

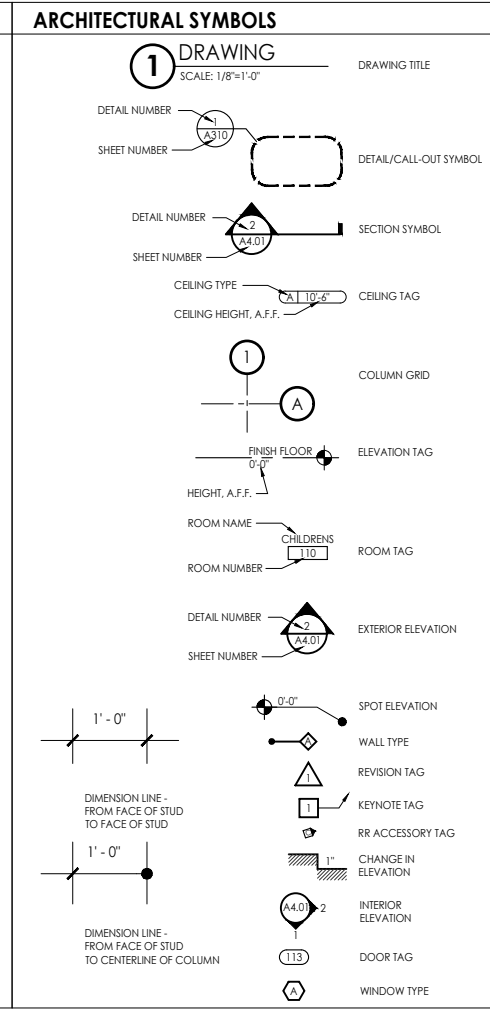
**ARCHITECT**  
K.A. OLDHAM DESIGN, INC.  
14 EAST WASHINGTON ST.  
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PHONE: 770.683.9170  
FAX: 770.683.9171  
CONTACT: KIP OLDHAM  
KOLDHAM@KAOD.COM  
CHRIS LOWE  
CLOWE@KAOD.COM

**MECHANICAL**  
GEORGE ENGINEERING ASSOCIATES, LLC  
405 MILLARD FARMER ROAD SUITE B  
NEWNAN, GA 30263  
PHONE: 770.252.4669  
CONTACT: MARTIN S. GEORGE, PE  
MSG@GEA-LLC.COM

**ELECTRICAL**  
MADDOX GROUP INC.  
9309 SEMINOLE ROAD  
JONESBORO, GA 30236  
PHONE: 770.471.9076  
CONTACT: ROBERT M. MADDOX, P.E.  
MADDOXGROUP@COMCAST.NET

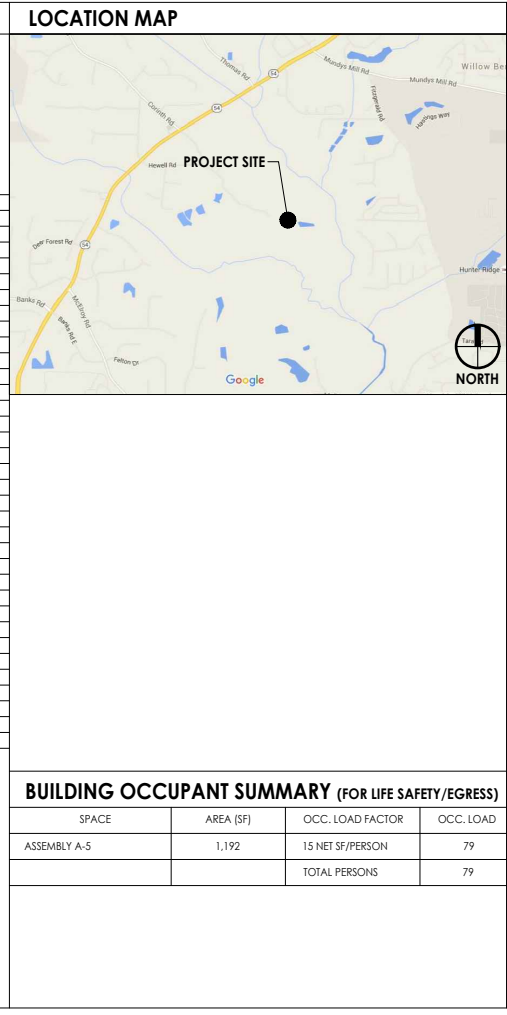
**STRUCTURAL**  
AUBURN STRUCTURAL DESIGN  
2008 JANABROOKE LANE  
AUBURN, AL 36830  
PHONE: 334.836.8040  
CONTACT: ROY H. MAYO, PE

ACT	ACOUSTICAL CEILING TILE	HCP	HANDICAPPED
ADA	AMERICAN DISABILITIES ACT	HM	HOLLOW METAL
AFF	ABOVE FINISH FLOOR	INSUL	INSULATION
ALUM	ALUMINUM	INT	INTERIOR
ASST	ASSISTANT	JBE	JOIST BEARING ELEVATION
AUTO	AUTOMATIC	JT	JOINT
BLDG	BUILDING	LAV	LAVATORY
BM	BEAM	MAX	MAXIMUM
BO	BOTTOM OF	MFR	MECHANICAL MANUFACTURER
BOT	BOTTOM OF TRUSS	MIN	MINIMUM
CJ	CONTROL JOINT	MTL	METAL
CL	CENTERLINE	NA	NOT APPLICABLE
CLG	CEILING	NFWH	NON-FREEZE WALL HYDRANT
CLO	CLOSET	NIC	NOT IN CONTRACT
CLR	CLEAR	NOM	NOMINAL
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE	OC	ON CENTER
CONF	CONFERENCE	OPP	OPPOSITE
CONT	CONTINUOUS	OPT	OPTION (AL)
CORR	CORRIDOR	ORD	OVERFLOW ROOF DRAIN
COORD	COORDINATE	PLAM	PLASTIC LAMINATE
CMU	CONCRETE MASONRY UNIT	PL	PLATE
DBL	DOUBLE	PLY	PLYWOOD
DIA	DIAMETER	PT	PRESSURE TREATED
DIM	DIMENSION	PTD	PAINTED
DS	DOWNSPOUT	RD	ROOF DRAIN
DWG	DRAWING	REQ	REQUIRED
EA	EACH	RENF	REINFORCED
ELEC	ELECTRIC(AL)	RO	ROUGH OPENING
ELEV	ELEVATION	SAB	SOUND ATTENUATION BATTS
EOS	EDGE OF SLAB	SCW	SOLID CORE WOOD
EQ	EQUAL	SIM	SIMILAR
EW	EACH WAY	SOG	SLAB ON GRADE
EXIST	EXISTING	STN	STAIN
EXP	EXPOSED	STO	STORAGE
EXP JT	EXPANSION JOINT	STRUC	STRUCTURAL
EXT	EXTERIOR	TO	TOP OF
FDC	FIRE DEPARTMENT CONNECTION	TYP	TYPICAL
FD	FLOOR DRAIN	UNO	UNLESS NOTED OTHERWISE
FE	FIRE EXTINGUISHER	VERT	VERTICAL
FEC	FIRE EXTINGUISHER CABINET	VIF	VERIFY IN FIELD
FFE	FINISH FLOOR ELEVATION	WD	WOOD
FFW	FINISH FACE OF WALL	WWF	WELDED WIRE FABRIC
FLR	FLOOR		
FRP	FIBERGLASS REINFORCED PANEL		
FRT	FIRE RETARDANT TREATED		
FOB	FACE OF BRICK		
GA	GAUGE		
GALV	GALVANIZED		
GC	GENERAL CONTRACTOR		
GWB	GYPSUM WALL BOARD		



### DRAWING INDEX

SHEET #	SHEET NAME	DATE	FOR BID
<b>GENERAL</b>			
T001	COVER SHEET AND PROJECT INFORMATION		
<b>ARCHITECTURAL</b>			
A001	SITE PLAN		
A002	SITE PLAN		
A100	LIFE SAFETY PLAN		
A101	FIRST / SECOND FLOOR PLAN		
A102	SHOOT HOUSE PLANS		
A201	EXTERIOR BUILDING ELEVATIONS		
A202	EXTERIOR BUILDING ELEVATIONS		
A203	EXTERIOR BUILDING ELEVATIONS		
A301	OBSERVATION TOWER WALL SECTIONS		
A302	PAVILION WALL SECTIONS		
A303	RANGE WALL SECTION/DETAILS		
<b>MECHANICAL</b>			
M101	HVAC SPECIFICATIONS		
M102	HVAC DETAILS & SCHEDULES		
M201	HVAC FLOOR PLANS		
<b>ELECTRICAL</b>			
E-0.1	ELECTRICAL CRITERIA		
E-0.2	ELECTRICAL RISER & SCHEDULES		
E-0.3	ELECTRICAL PLAN		
E-0.4	LIGHTING PLAN		
<b>STRUCTURAL</b>			



### CODE SUMMARY

**BUILDING DEPARTMENT**  
FAYETTE COUNTY BUILDING PERMITS & INSPECTIONS DEPARTMENT  
140 STONEWALL AVE WEST SUITE 201  
FAYETTEVILLE, GA 30214  
770.305.5403

**APPLICABLE CODES AND REGULATIONS**

BUILDING	2012 INTERNATIONAL BUILDING CODE W/ GA AMENDMENTS
MECHANICAL	2012 INTERNATIONAL MECHANICAL CODE W/ GA AMENDMENTS
PLUMBING	2012 INTERNATIONAL PLUMBING CODE W/ GA AMENDMENTS
ELECTRICAL	2011 NATIONAL ELECTRICAL CODE W/ GA AMENDMENTS
FIRE	2012 INTERNATIONAL FIRE CODE W/ GA AMENDMENTS
GAS	2012 INTERNATIONAL FUEL GAS CODE W/ GA AMENDMENTS
ENERGY	2009 INTERNATIONAL ENERGY CONSERVATION CODE W/ GA AMENDMENTS

2012 NFPA 101: LIFE SAFETY CODE  
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

**OCCUPANCY CLASSIFICATION**  
OCCUPANCY GROUPS: ASSEMBLY; CONCENTRATED USE, WITHOUT FIXED SEATING [NFFA 101]

**CONSTRUCTION CLASSIFICATION (IBC TABLE 601)**  
CONSTRUCTION TYPE: V-8  
NON - SPRINKLERED

**ALLOWABLE AREA**  
AREA ALLOWED: UNLIMITED [IBC 2012 TABLE 503]

**ALLOWABLE HEIGHT**  
HEIGHT ALLOWED: UNLIMITED STORY  
40'-0" MAXIMUM BUILDING HEIGHT  
HEIGHT PROVIDED: 2 STORY  
23'-0" MAXIMUM BUILDING HEIGHT

**FIRE RESISTANCE RATINGS - TYPE IIIB (IBC TABLE 601)**

STRUCTURAL FRAME:	0 HOURS
BEARING WALLS - EXTERIOR:	0 HOURS
BEARING WALLS - INTERIOR:	0 HOURS
FLOOR CONSTRUCTION:	0 HOURS
ROOF CONSTRUCTION:	0 HOURS

**EGRESS REQUIREMENTS**

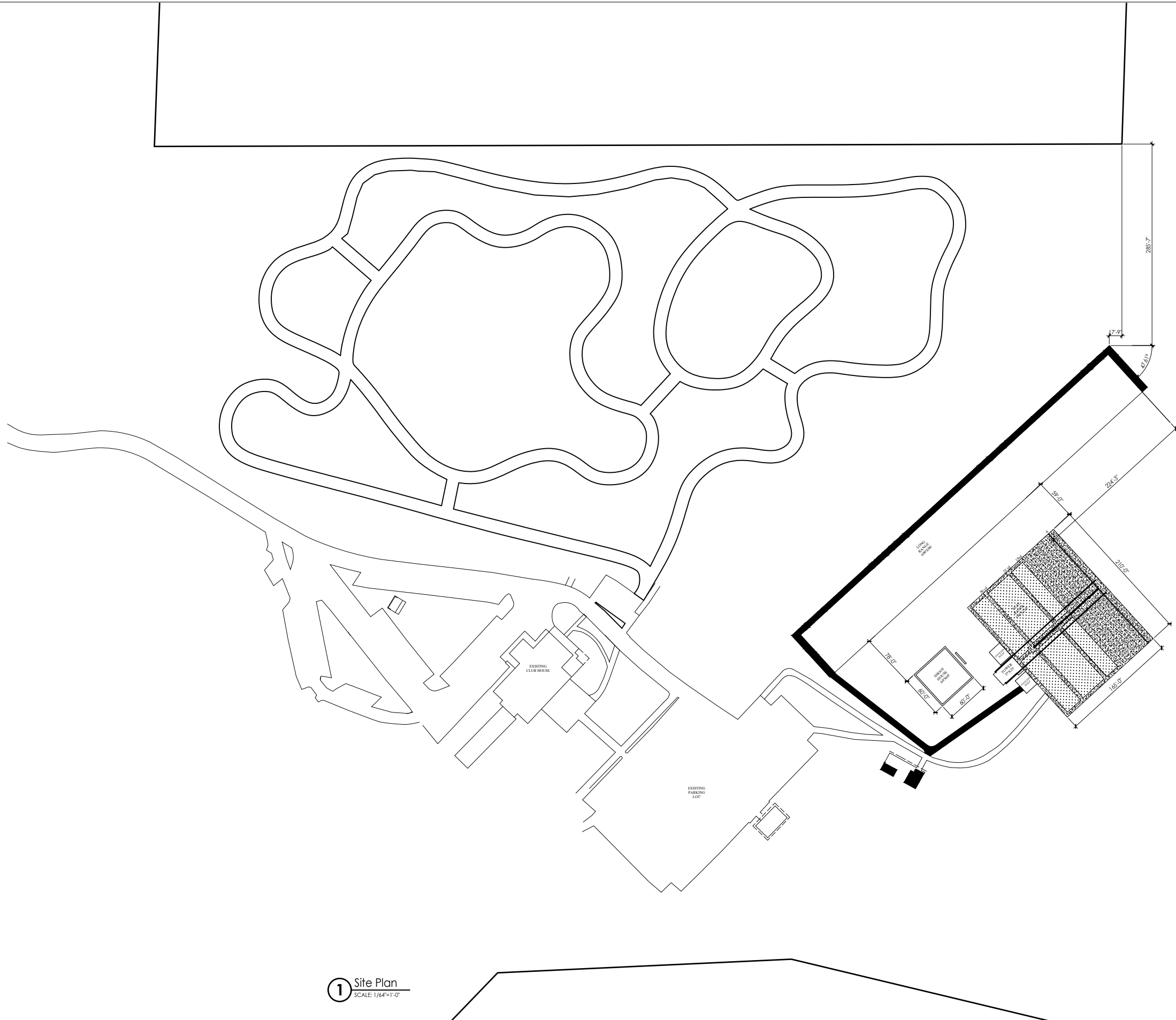
EGRESS WIDTH FACTOR (NFFA 101 TABLE 7.3.3.1):	LEVEL COMPONENTS = .2' PER PERSON
	EGRESS WIDTH REQUIRED = 16" (36" MIN.)
	EGRESS WIDTH PROVIDED = 36" MIN. FOR ALL DOORS & HALLWAYS
	STAIR WIDTH REQUIRED = 24" (36" MIN.)
	STAIR WIDTH PROVIDED = 36"

TRAVEL DISTANCE (IBC TABLE 1016.2): 200'-0"  
COMMON PATH OF EGRESS TRAVEL (IBC 1014.3): 75'-0"  
DEAD-END CORRIDOR (IBC 1018.4): 23'-0"  
NUMBER OF EXITS (IBC 1021): EXITS REQUIRED = 2  
EXITS PROVIDED = 2

MINIMUM EXIT SEPARATION DISTANCE: 18'-0"  
(NFFA 101 7.5.1.3.2.3)

**BUILDING OCCUPANT SUMMARY (FOR LIFE SAFETY/EGRESS)**

SPACE	AREA (SF)	OCC. LOAD FACTOR	OCC. LOAD
ASSEMBLY A-5	1,192	15 NET SF/PERSON	79
		TOTAL PERSONS	79



**1** Site Plan  
SCALE: 1/64"=1'-0"



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JONESBORO, GEORGIA

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COMMISSION NO:	1464.00
SHEET TITLE:	Site Plan
SHEET NO:	

**A001**  
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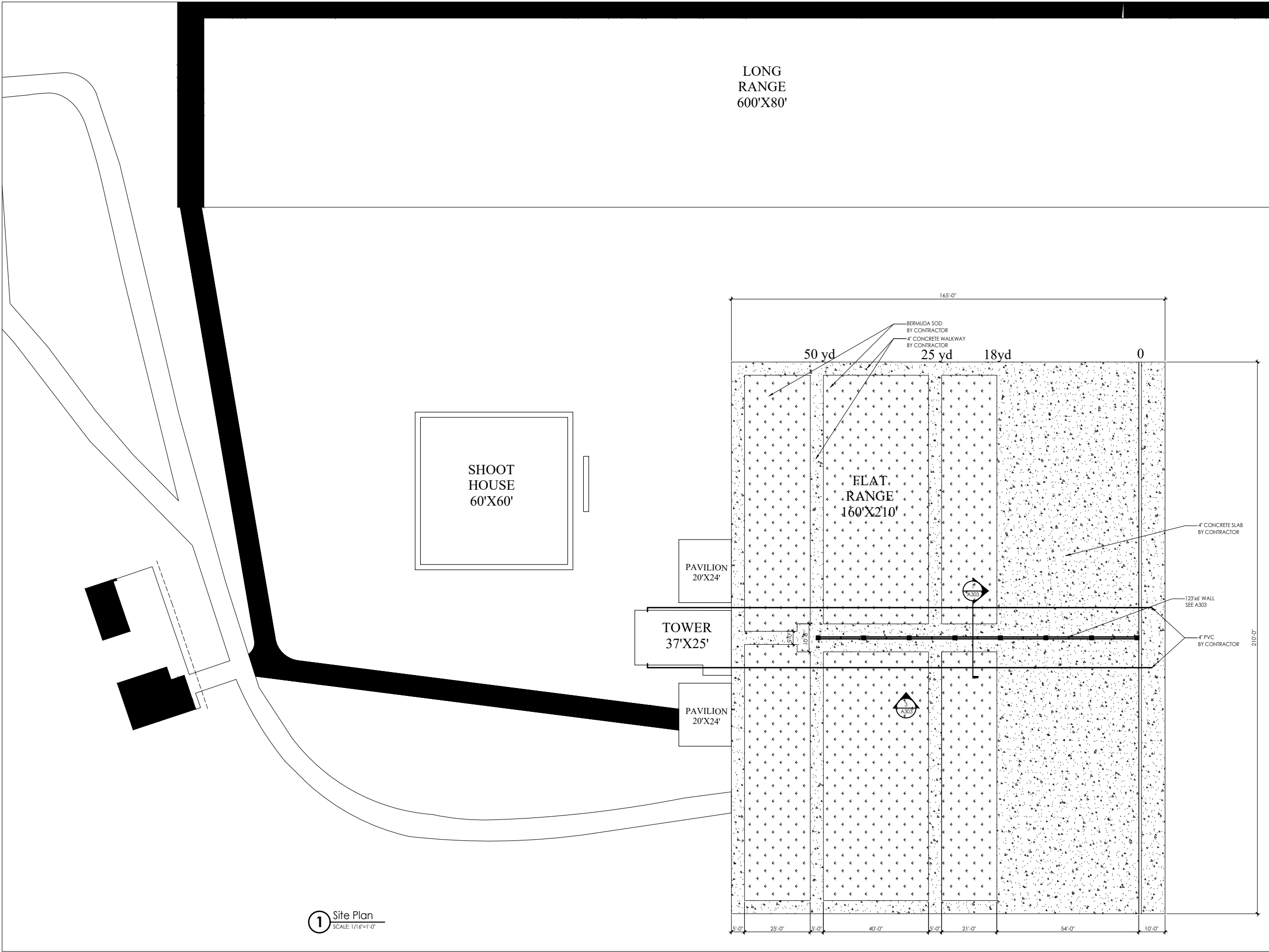


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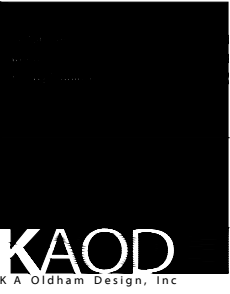
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COMMISSION NO:	1464.00
SHEET TITLE:	Site Plan
SHEET NO:	

**A002**  
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1 Site Plan  
 SCALE: 1/16"=1'-0"



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


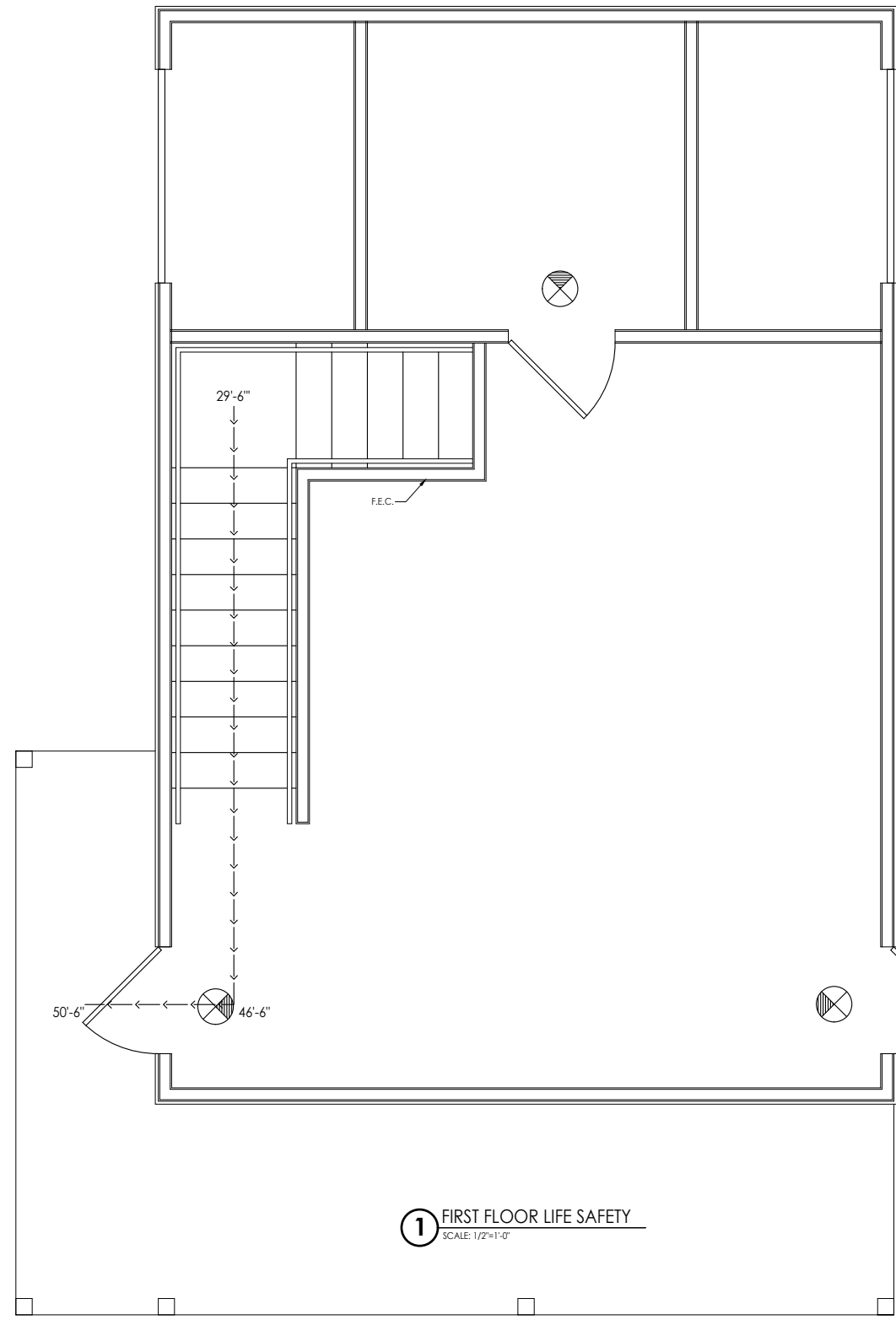
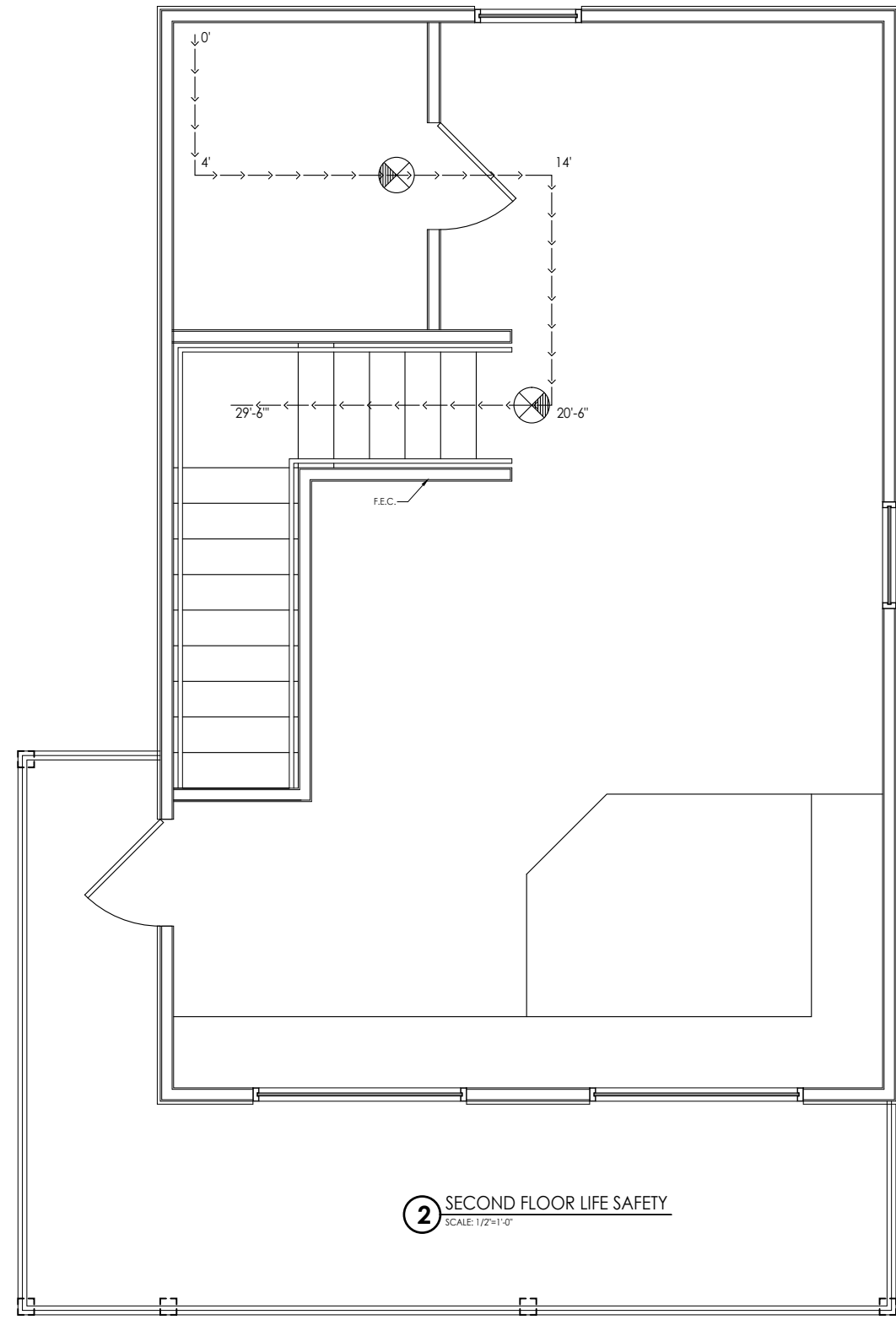
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COMMISSION NO:	1464.00
SHEET TITLE:	Life Safety Plan
SHEET NO:	

**A100**  
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LIFE SAFETY NOTES	OCCUPANCY CLASSIFICATION	EGRESS REQUIREMENTS	LIFE SAFETY LEGEND	FIRE EXTINGUISHER CABINET
<ol style="list-style-type: none"> <li>PROVIDE (1) FIRE EXTINGUISHER PER 3000 SF OF OCCUPIABLE SPACE OR MAXIMUM 75'-0" OF TRAVEL. REFER TO PLANS FOR LOCATIONS MARKED F.E.C. FINAL LOCATIONS TO BE VERIFIED BY LOCAL FIRE INSPECTOR.</li> <li>REFER TO SPECIFICATIONS FOR DETAILED INFORMATION ON FIRE EXTINGUISHERS.</li> <li>TOP OF FIRE EXTINGUISHER MOUNT SHALL BE 4'-8" A.F.F.</li> <li>EMERGENCY LIGHTING REQUIRED IN ALL RESTROOM; SEE ELECTRICAL PLANS FOR LOCATIONS</li> </ol>	OCCUPANCY GROUPS: ASSEMBLY; CONCENTRATED USE, WITHOUT FIXED SEATING [NFPA 101]	EGRESS WIDTH FACTOR [NFPA 101 TABLE 7.3.3.1]: LEVEL COMPONENTS = .2' PER PERSON EGRESS WIDTH REQUIRED = 1.6' (36" MIN.) EGRESS WIDTH PROVIDED = 36" MIN. FOR ALL DOORS & HALLWAYS STAIR WIDTH REQUIRED = 24" (36" MIN.) STAIR WIDTH PROVIDED = 36" TRAVEL DISTANCE [IBC TABLE 101.6.2]: 200'-0" COMMON PATH OF EGRESS TRAVEL [IBC 1014.3]: 75'-0" DEAD-END CORRIDOR [IBC 1018.4]: 20'-0" NUMBER OF EXITS [IBC 1021]: EXITS REQUIRED = 2 EXITS PROVIDED = 2 MINIMUM EXIT SEPARATION DISTANCE: [NFPA 101 7.5.1.3.2-3] 18'-0"	→ → → → → EGRESS PATH F.E.C. FIRE EXTINGUISHER CABINET  EMERGENCY EXIT LIGHT	



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 JONESBORO, GEORGIA

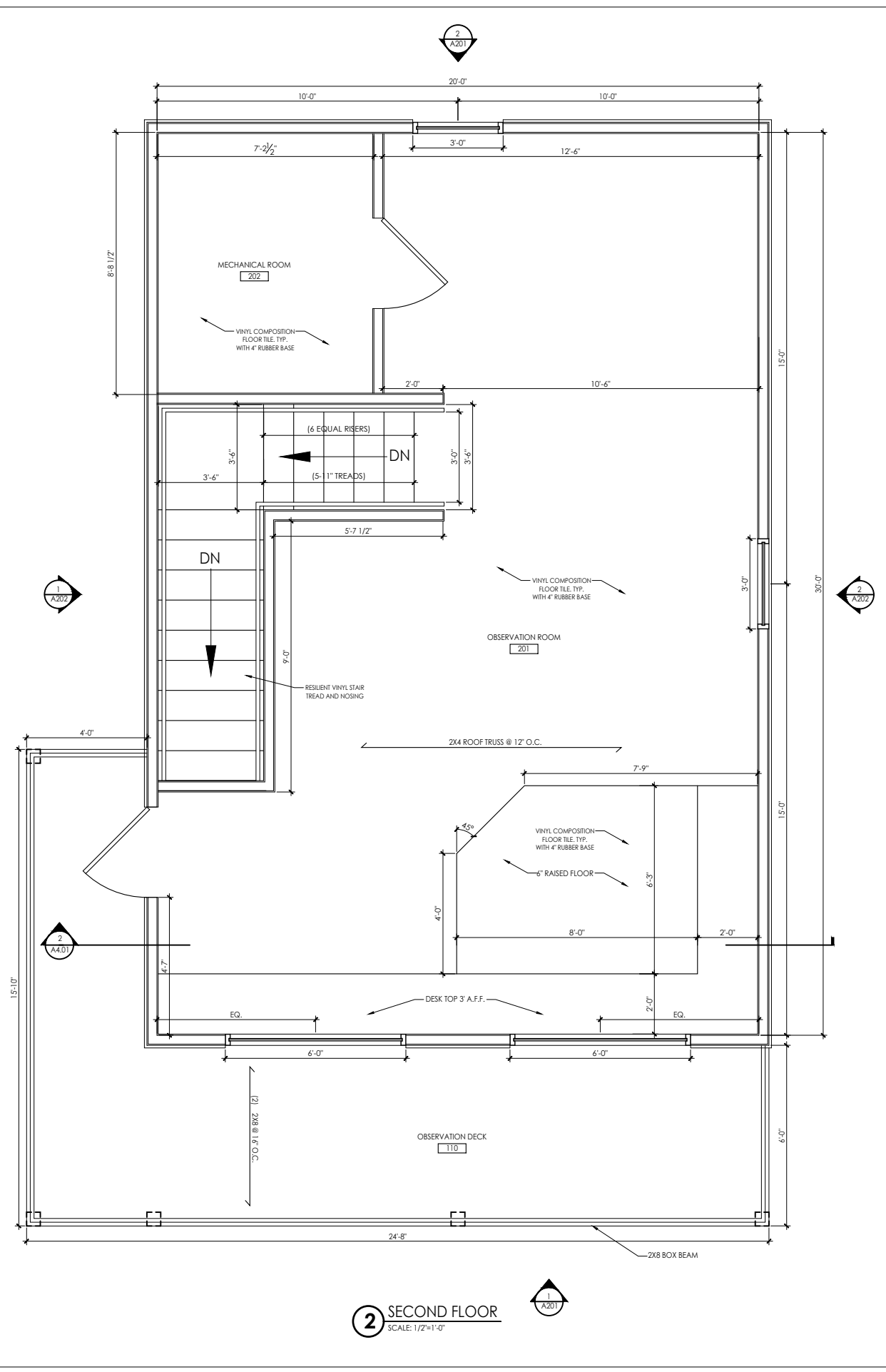
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 1464.00

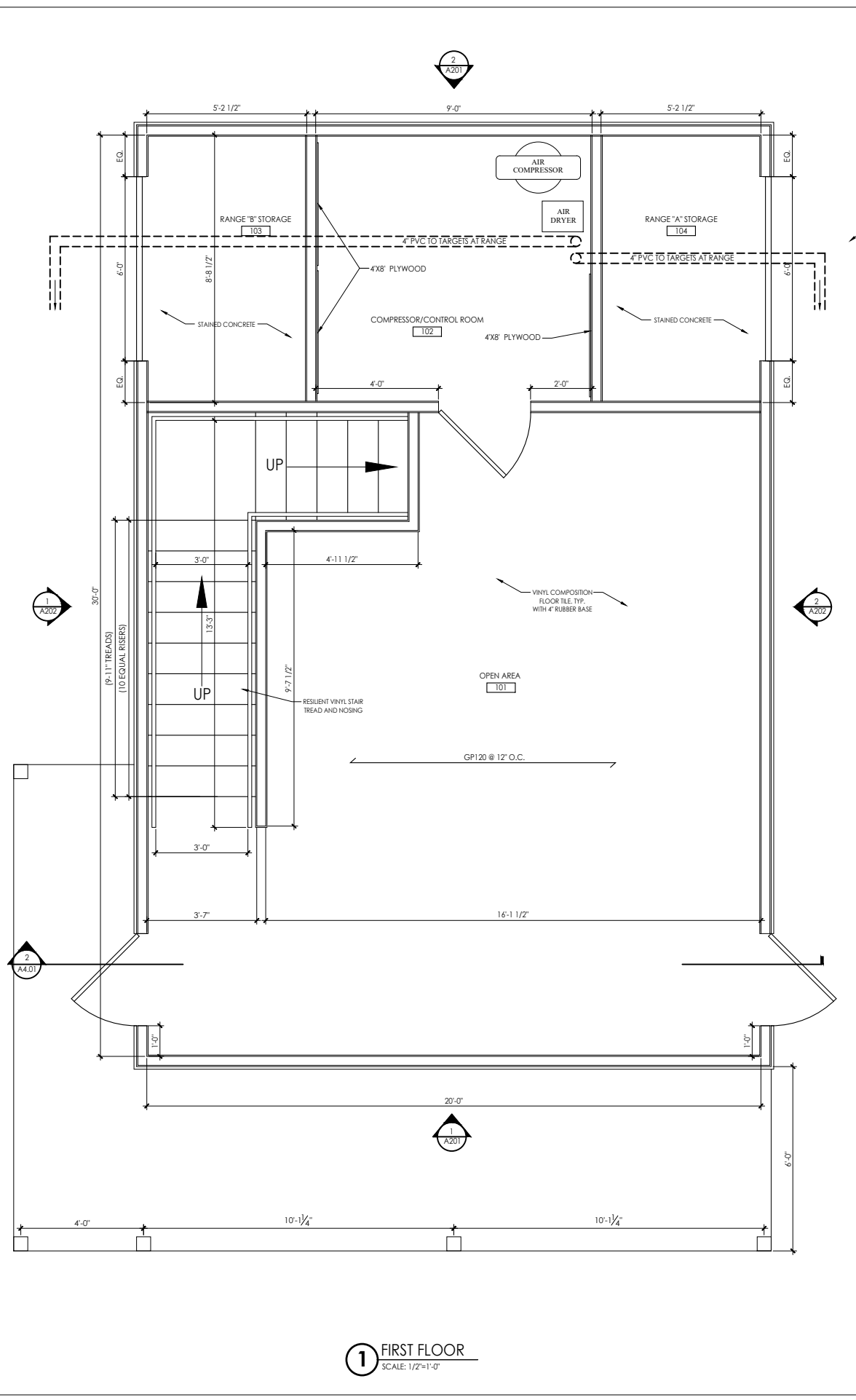
SHEET TITLE:  
 Floor Plan

SHEET NO.:

**A101**  
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**2 SECOND FLOOR**  
 SCALE: 1/2"=1'-0"



**1 FIRST FLOOR**  
 SCALE: 1/2"=1'-0"

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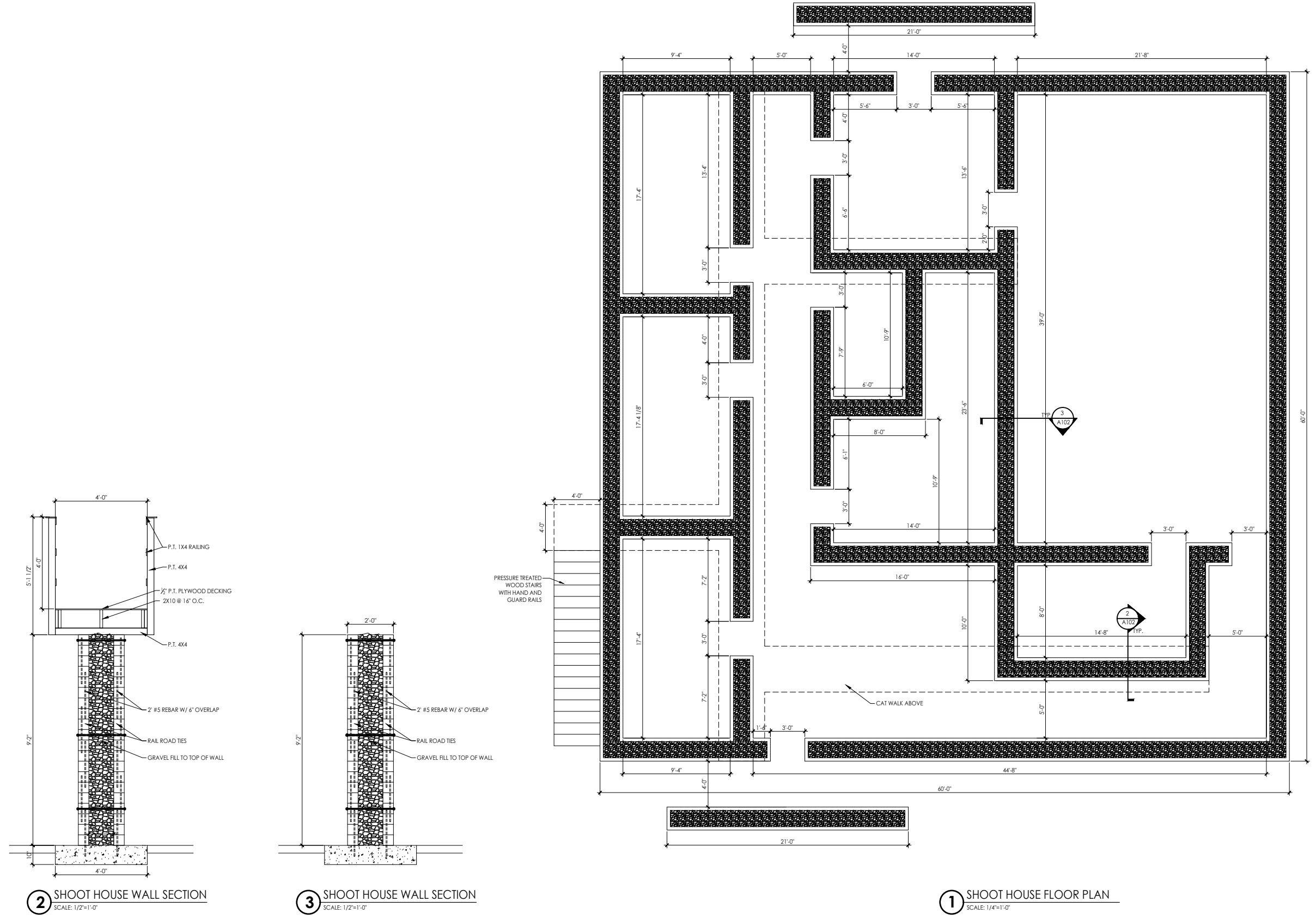


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JONESBORO, GEORGIA

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COMMISSION NO:	1464.00
SHEET TITLE:	Shoot House
SHEET NO:	

**A102**  
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**2** SHOOT HOUSE WALL SECTION  
SCALE: 1/2"=1'-0"

**3** SHOOT HOUSE WALL SECTION  
SCALE: 1/2"=1'-0"

**1** SHOOT HOUSE FLOOR PLAN  
SCALE: 1/4"=1'-0"

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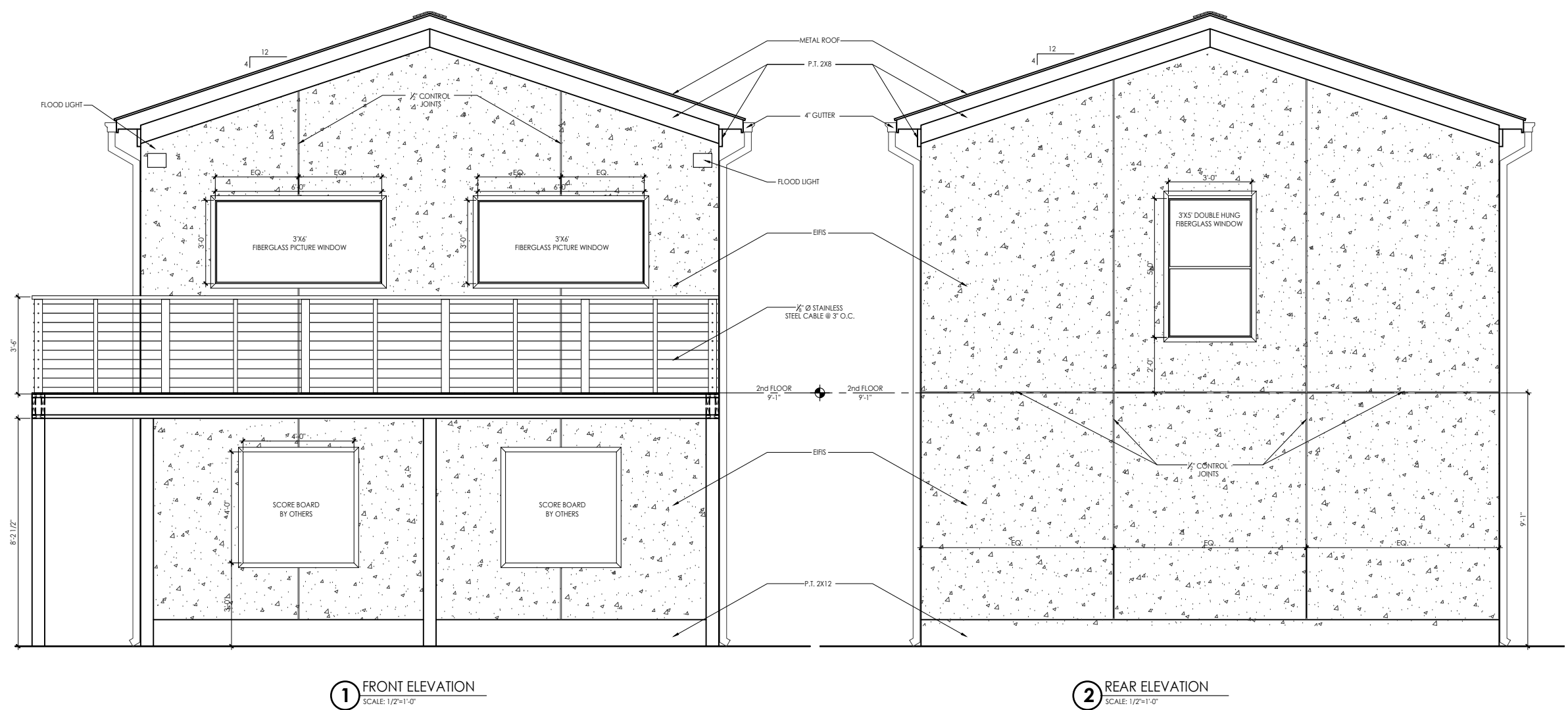


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JONESBORO, GEORGIA

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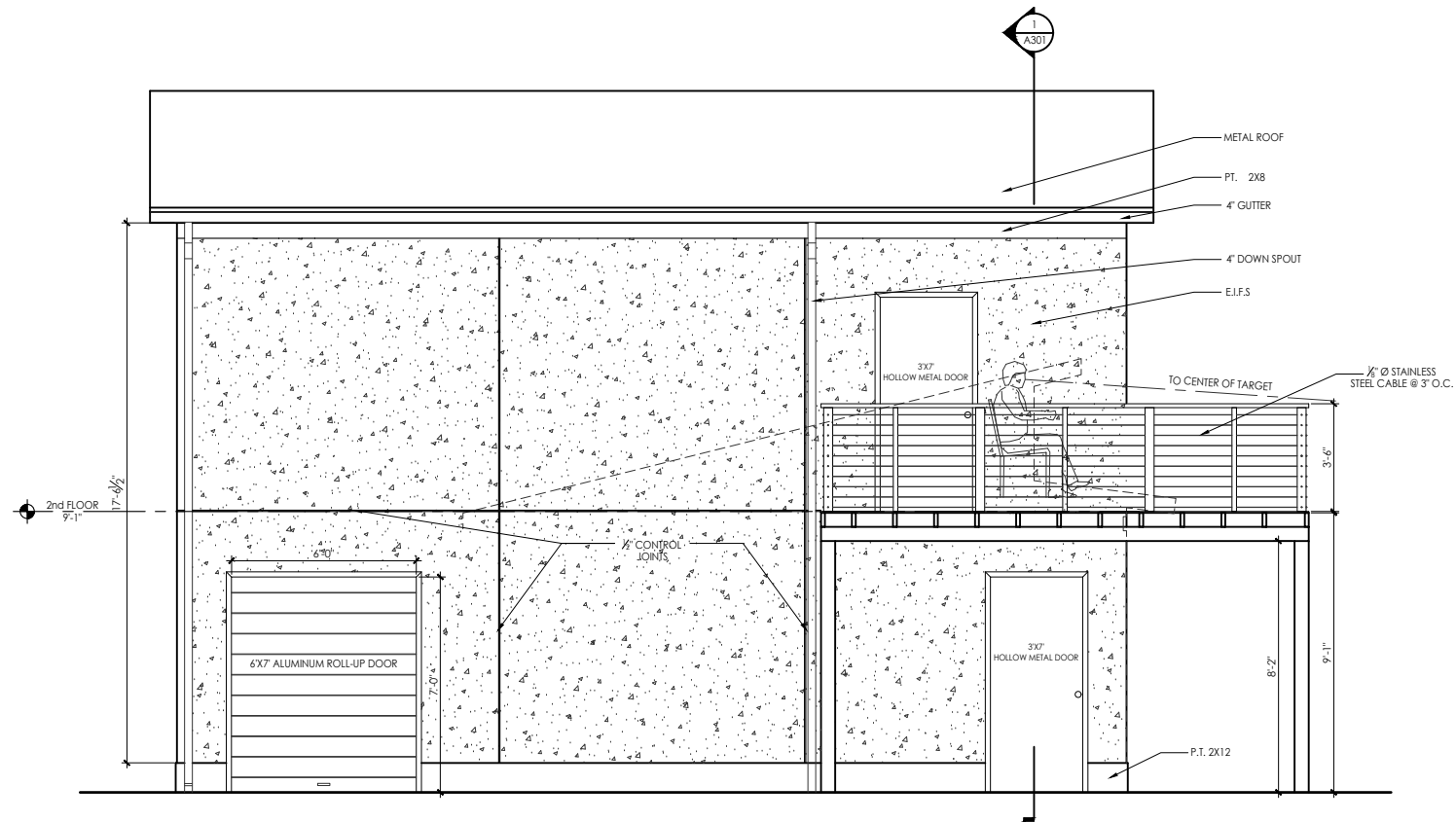
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SHEET TITLE:	ELEVATIONS
SHEET NO:	

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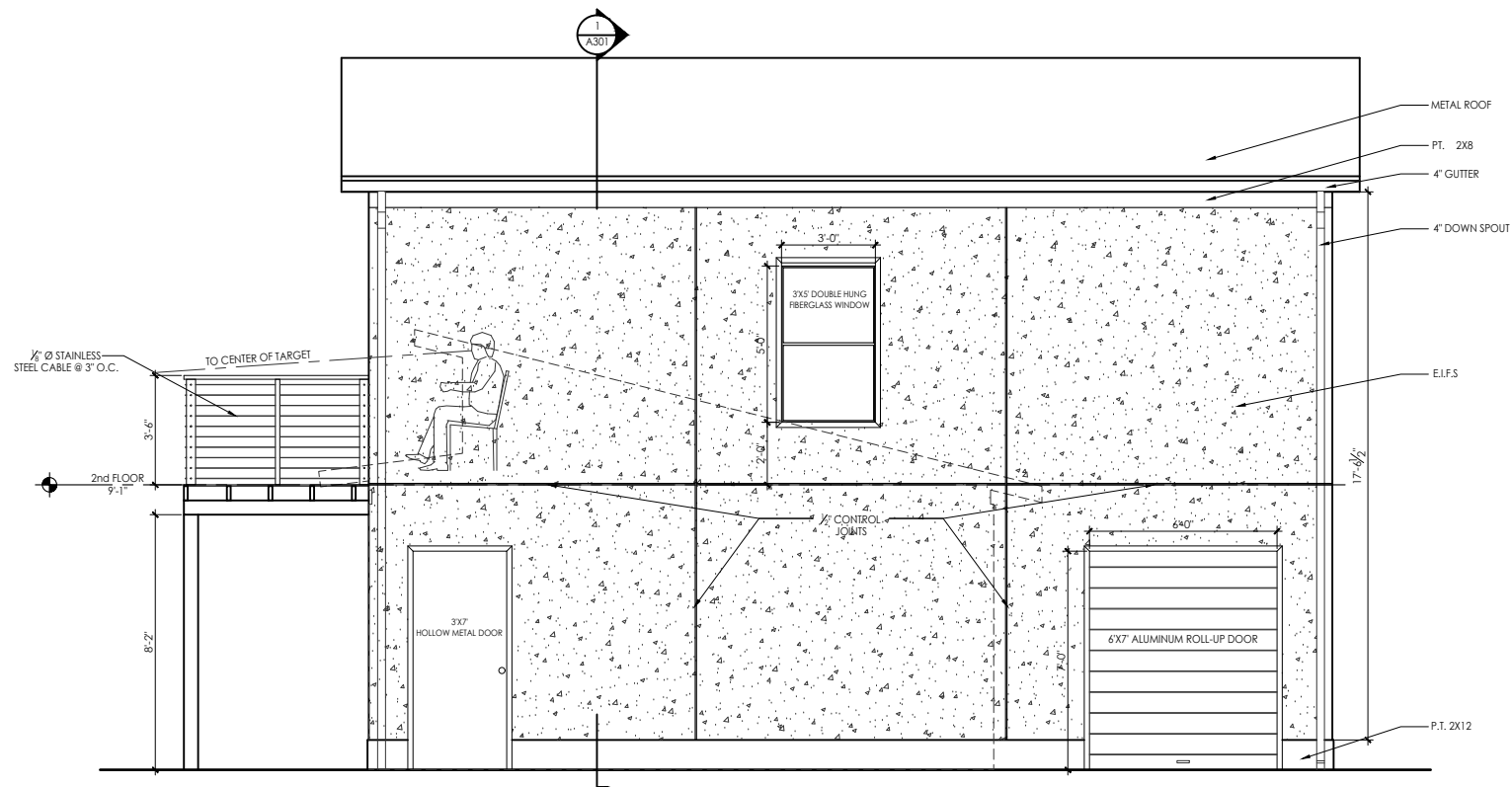


**1** FRONT ELEVATION  
SCALE: 1/2"=1'-0"

**2** REAR ELEVATION  
SCALE: 1/2"=1'-0"



**1** EAST ELEVATION  
SCALE: 3/8"=1'-0"



**2** WEST ELEVATION  
SCALE: 3/8"=1'-0"

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COMMISSION NO:	1464.00
SHEET TITLE:	ELEVATIONS
SHEET NO:	

**A202**  
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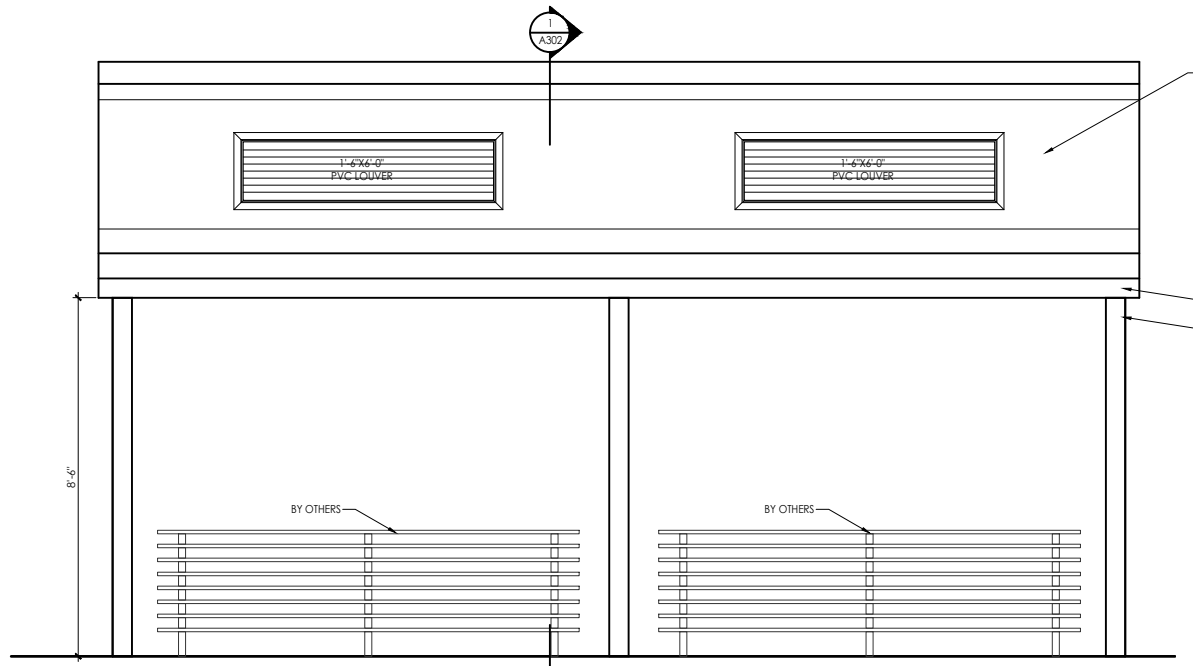


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 JONESBORO, GEORGIA

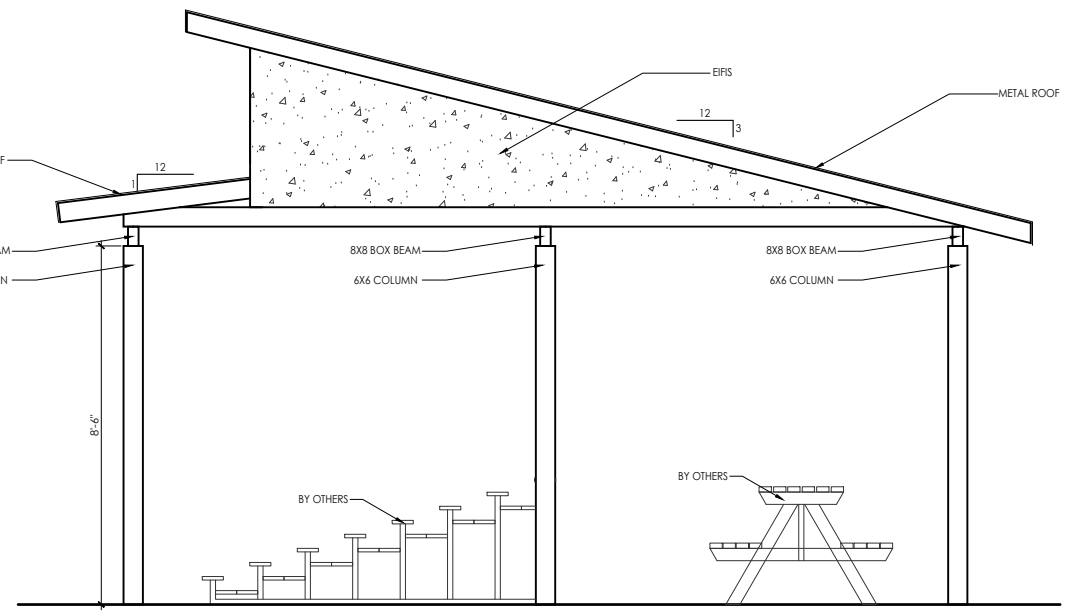
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COMMISSION NO:	1464.00
SHEET TITLE:	PAVILION ELEVATIONS
SHEET NO:	

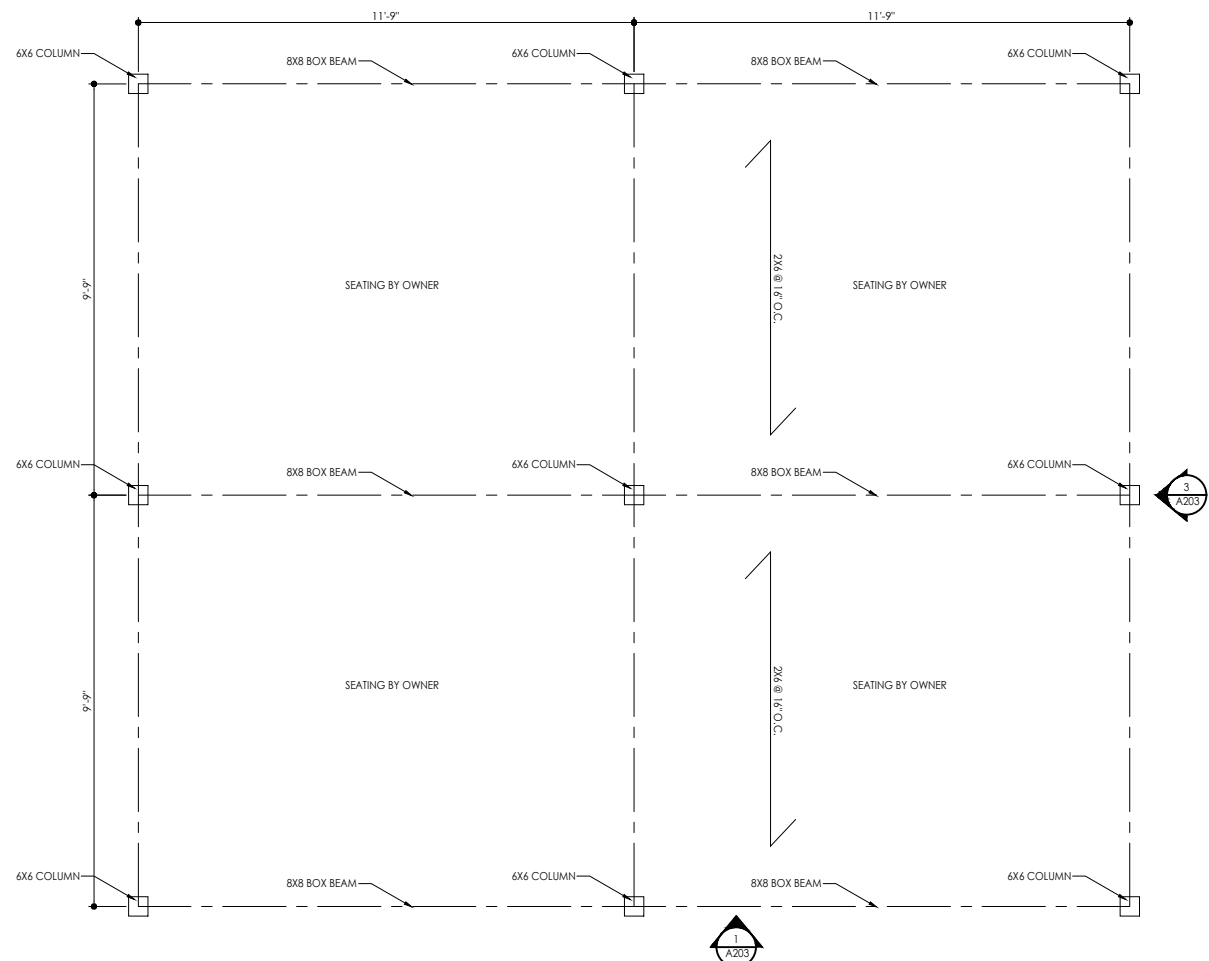
**A203**  
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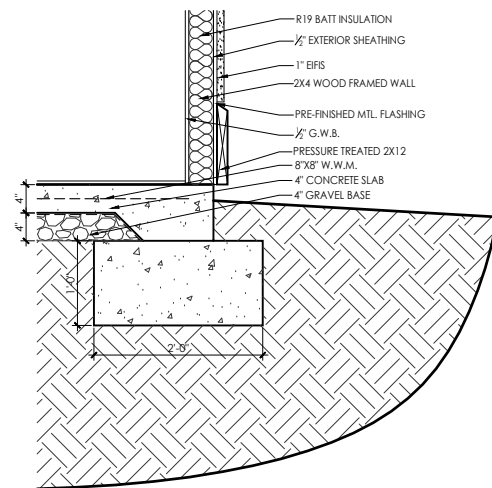
**1** PAVILION FRONT ELEVATION  
 SCALE: 1/2\"/>



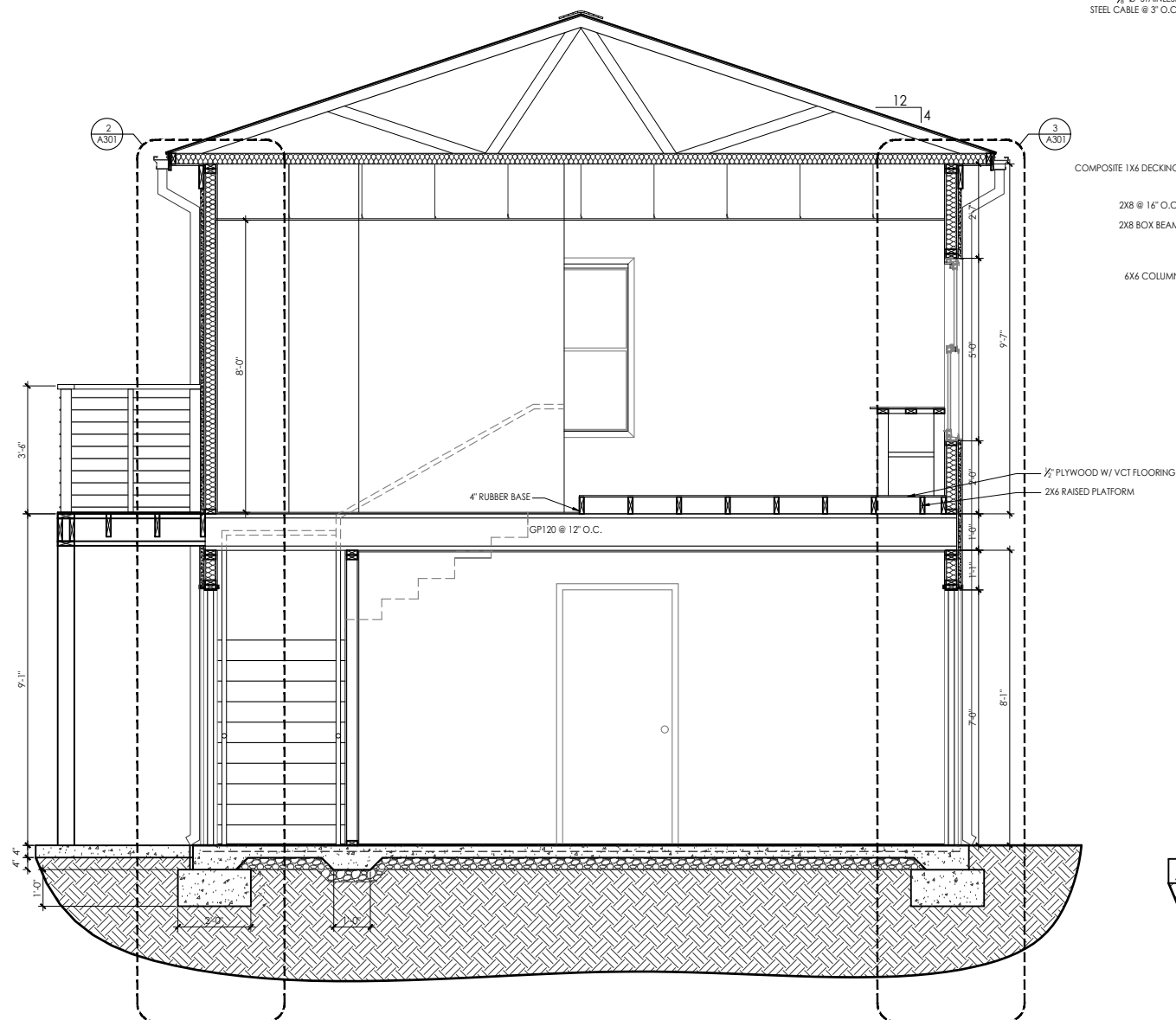
**2** PAVILION SIDE ELEVATION  
 SCALE: 1/2\"/>



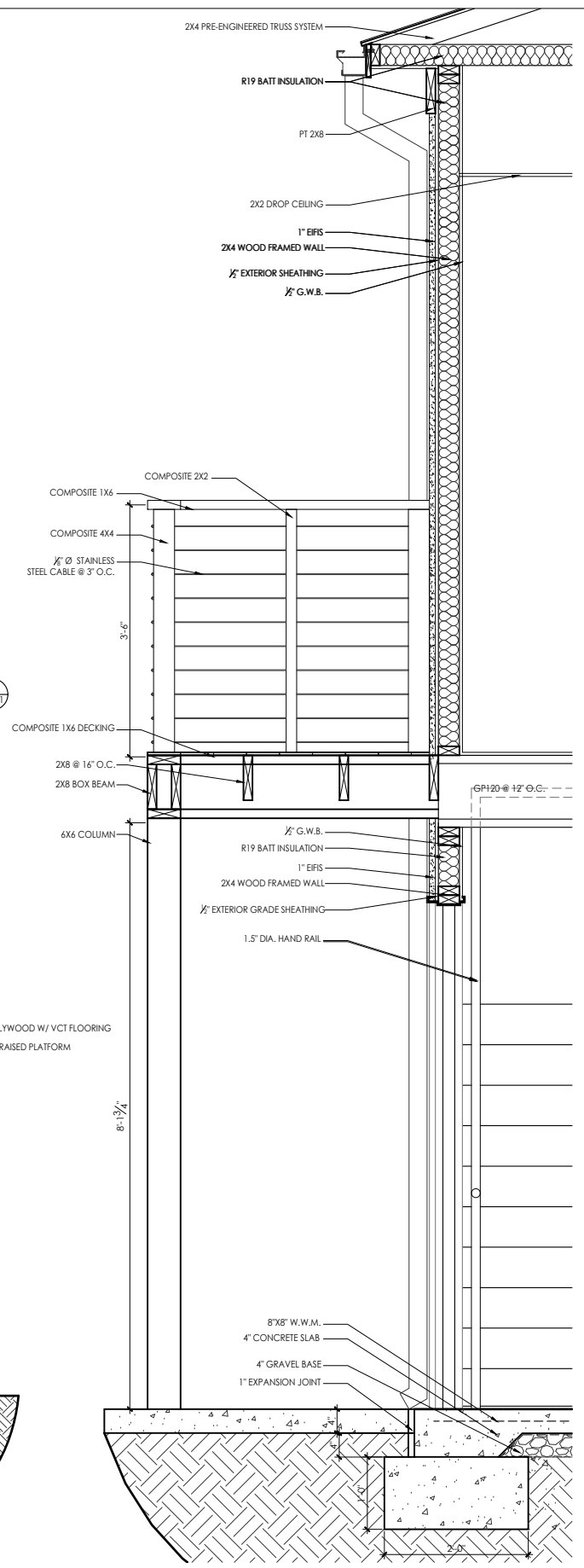
**2** PAVILION FLOOR PLAN  
 SCALE: 1/2\"/>



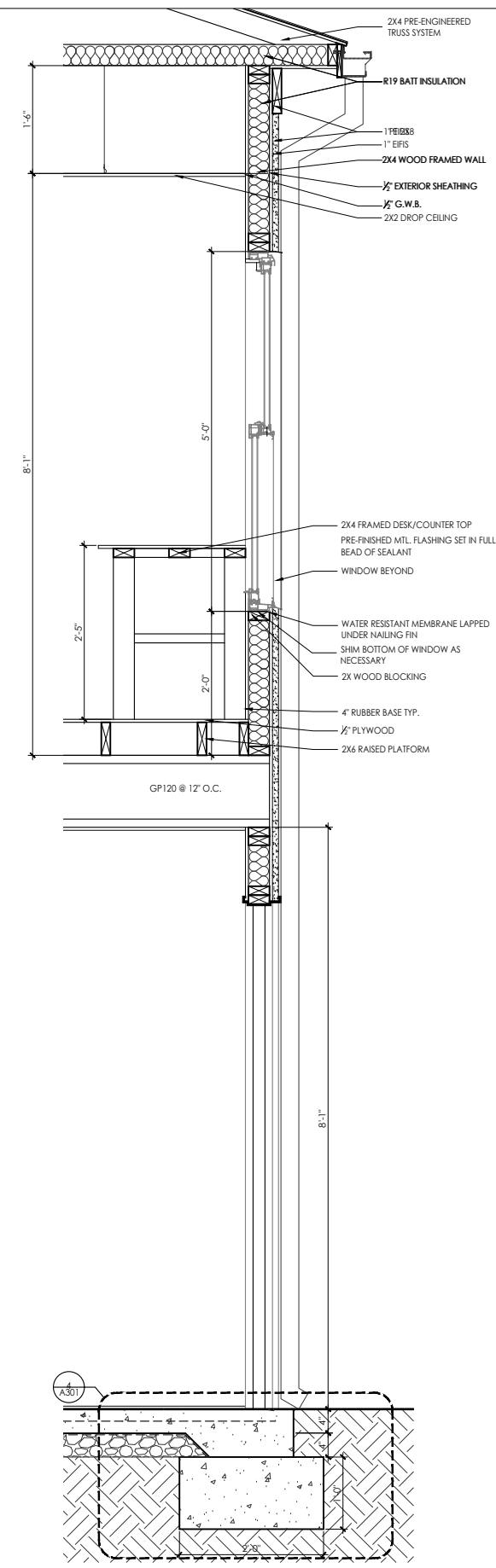
**4** BUILDING DETAIL TYP.  
 SCALE: 1"=1'-0"



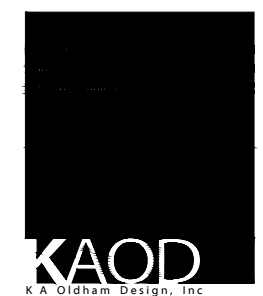
**1** BUILDING SECTION  
 SCALE: 1/2"=1'-0"



**2** BUILDING SECTION  
 SCALE: 1"=1'-0"



**3** BUILDING SECTION  
 SCALE: 1"=1'-0"



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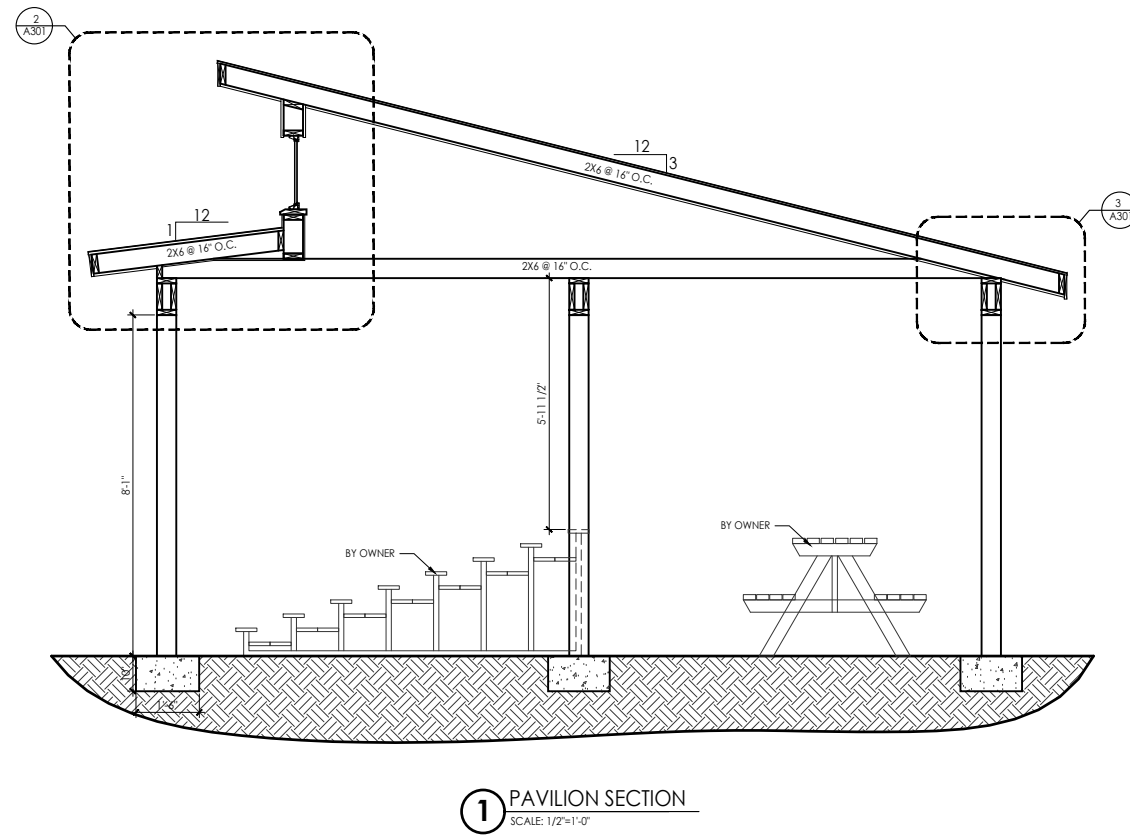
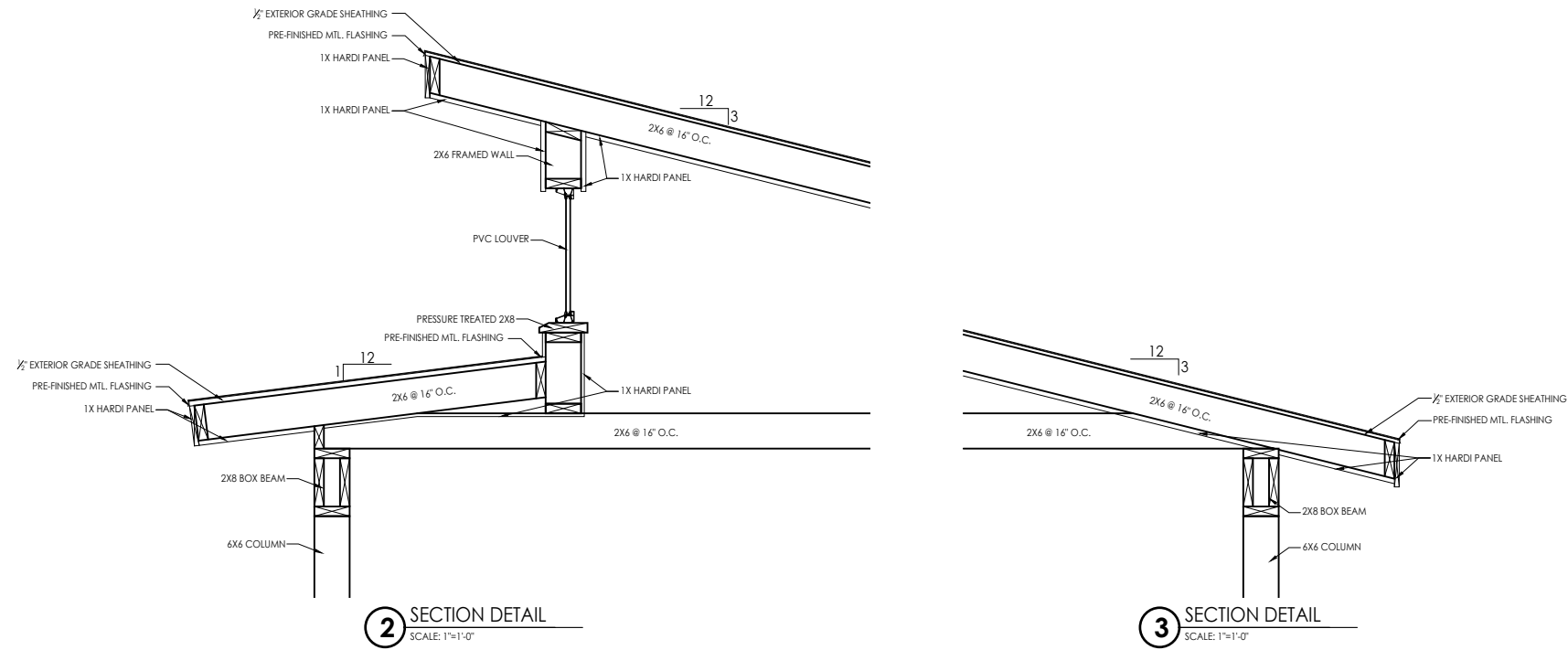


340 HEWELL ROAD  
 JONESBORO, GEORGIA

Prepared for  
**FAYETTE CO.**

COMMISSION NO:	1464.00
SHEET TITLE:	WALL SECTIONS
SHEET NO:	

**A301**  
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SHEET TITLE:	PAVILION SECTION
SHEET NO:	

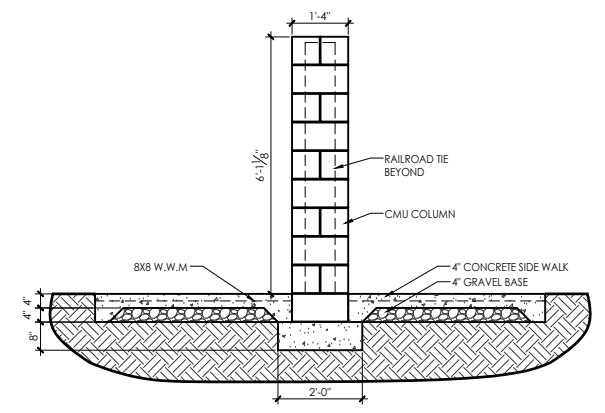
**A302**  
NOT ISSUED FOR CONSTRUCTION

**KAOD**  
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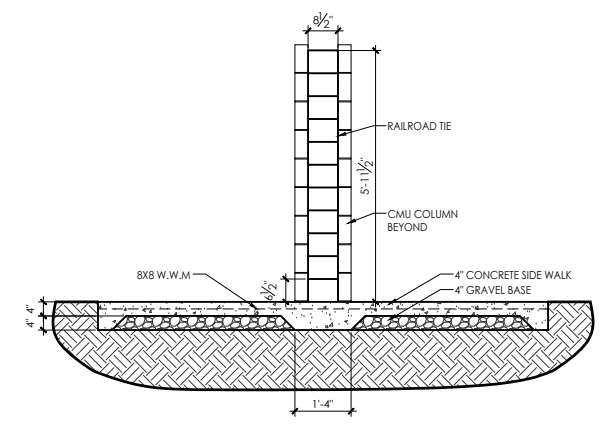
14 East Washington Street  
Newnan, Georgia 30263  
Telephone: (770) 683-9170  
Fax: (770) 683-9171  
E-Mail: info@kaod.com  
Web Site: www.kaod.com

PRINTED	DATE	COMMENTS
	06.24.2016	FOR BID

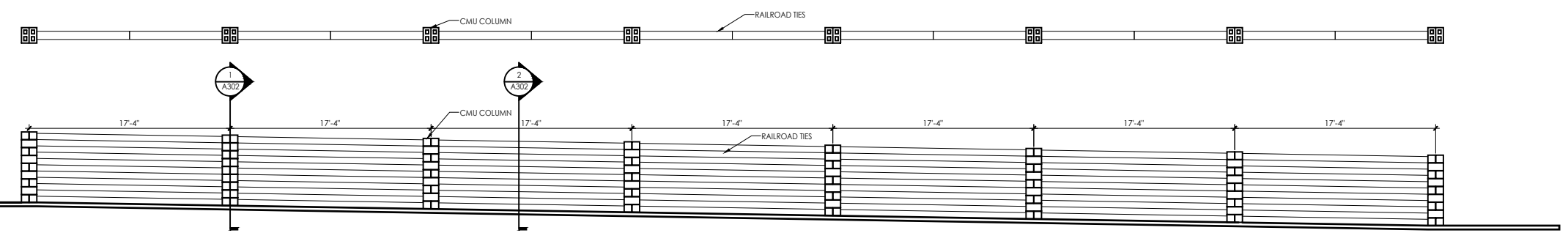
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1 WALL SECTION  
SCALE: 1/2"=1'-0"



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



3 WALL ELEVATION  
SCALE: 3/16"=1'-0"



FAYETTE CO.  
FIRING RANGE/  
OBSERVATION  
TOWER



340 HEWELL ROAD  
JONESBORO, GEORGIA

Prepared for  
FAYETTE CO.

COMMISSION NO:	1464.00
SHEET TITLE:	
SECTIONS:	
SHEET NO:	

**A303**  
NOT ISSUED FOR CONSTRUCTION



### SPLIT SYSTEM HEAT PUMP UNITS

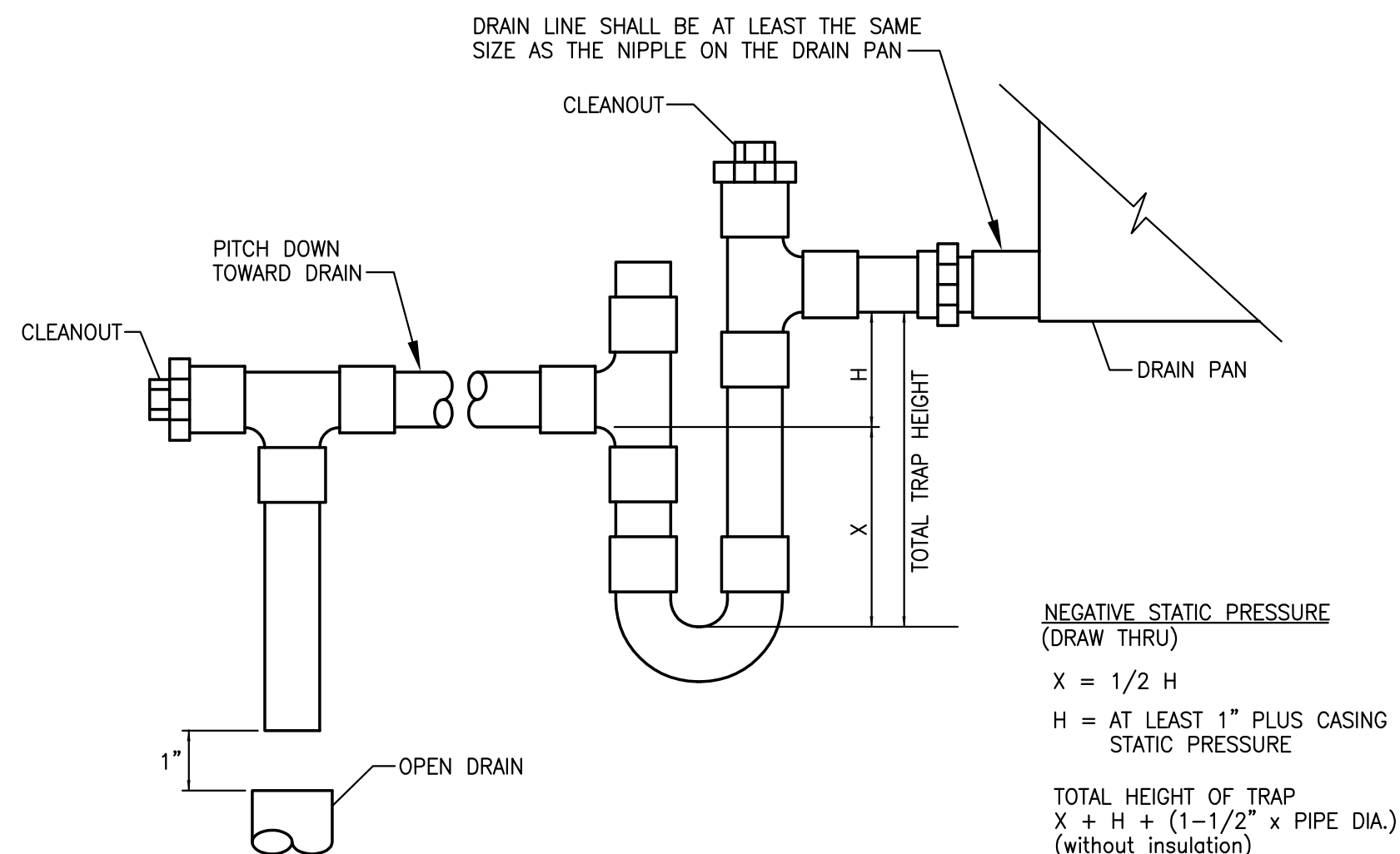
SYMBOL	INDOOR UNIT										OUTDOOR UNIT					REMARKS		
	AIR FLOW DATA					COOLING DATA					HEATING DATA							
	Q.A. CFM MAX/MIN	E.S.P. IN. W.G.	MAX. HP	TOTAL MBH	SENSIBLE MBH	EAT 'F	REFRIG. HEAT AT 47°F AMBIENT BTUH	ELECTRIC HEAT KW	MODEL	SYMBOL	AMBIENT AIR TEMP (COOLING)	AMBIENT AIR TEMP (HEATING)	SEER	HSPF	MODEL			
	SUPPLY CFM	DB	WB															
FCU-1	600	80	0.70	1/2	17.8	12.8	80	67	17,800	3.8	CARRIER FV4CNF002	HP-1	95°F	47°F	14.0	8.2	CARRIER 25HCE418	
FCU-2	760	80	0.70	1/2	20.4	15.3	80	67	22,000	6.0	CARRIER FV4CNF002	HP-2	95°F	47°F	14.0	8.2	CARRIER 25HCE424	

### AIR DISTRIBUTION DEVICES

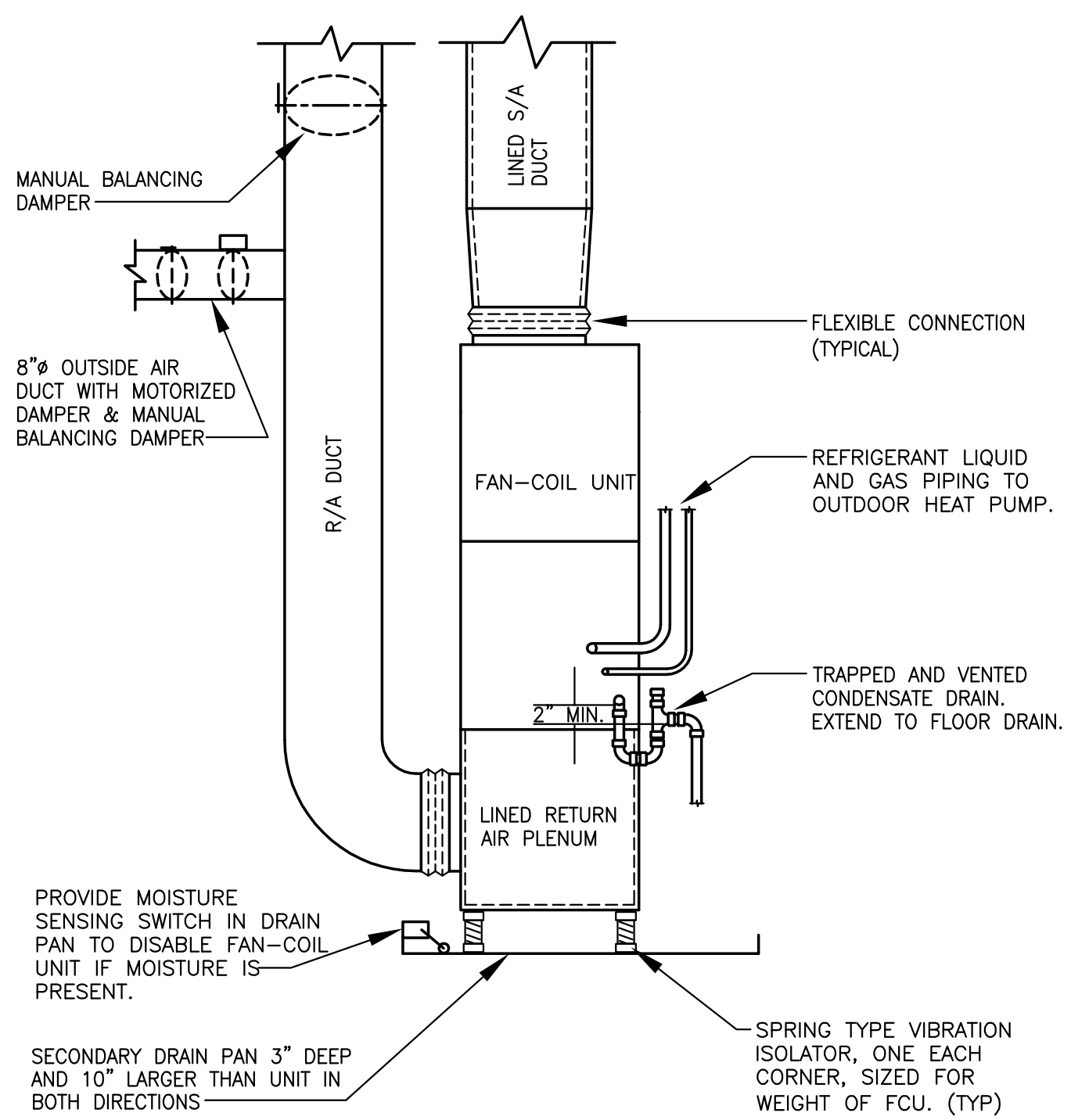
MARK	TYPE	NECK SIZE	OBD	FINISH	MODEL	REMARKS
A	LAY-IN CEILING DIFFUSER	8"Ø	YES	OFF-WHITE ENAMEL	PRICE SCD-31-3C, 24X24 LAY-IN	
B	SIDEWALL SUPPLY REGISTER	12X6	YES	OFF-WHITE ENAMEL	PRICE 520D-F-S-A	
C	SIDEWALL SUPPLY REGISTER	14X6	YES	OFF-WHITE ENAMEL	PRICE 520D-F-S-A	
D	RETURN AIR FILTER GRILLE	20X20	NO	OFF-WHITE ENAMEL	PRICE 530FF-SM-L	WITH 1" PLEATED MERV-11 FILTER

### HVAC LEGEND

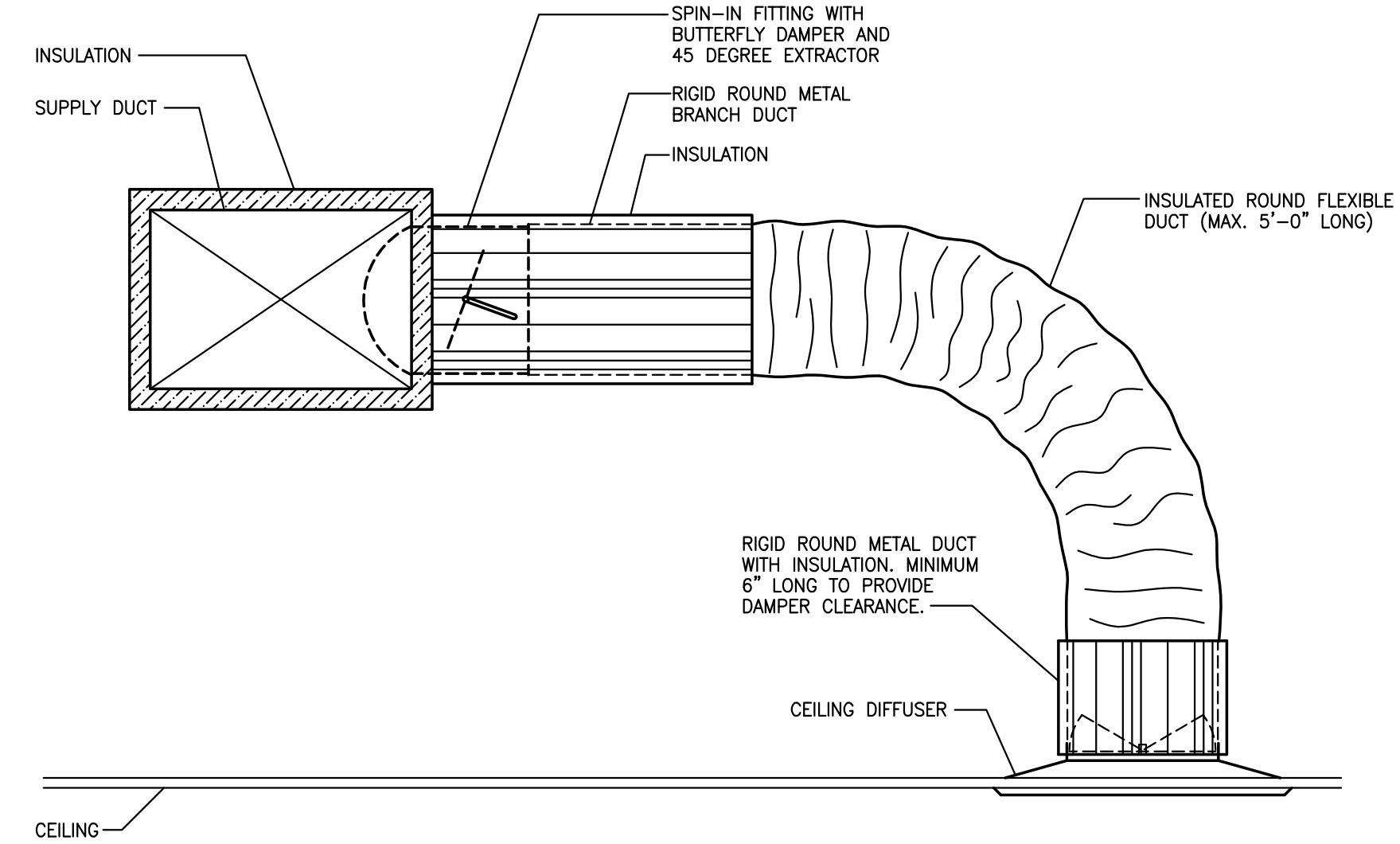
- [Symbol] SUPPLY DIFFUSER
- [Symbol] RETURN OR EXHAUST GRILLE
- [Symbol] DUCT DIMENSION:  
A - HORIZONTAL  
B - VERTICAL
- [Symbol] DUCT TURN DOWN
- [Symbol] DUCT TURN UP
- [Symbol] FLEXIBLE DUCT CONNECTION
- [Symbol] FIRE DAMPER
- [Symbol] 90° ELBOW WITH TURNING VANES
- [Symbol] OPPOSED BLADE DAMPER (PLAN)
- [Symbol] THERMOSTAT
- [Symbol] EQUIPMENT DESIGNATION:  
X - EQUIPMENT  
Y - EQUIPMENT NUMBER
- [Symbol] AIR DISTRIBUTION DEVICE:  
X - LETTER DEVICE  
CFM - AIR QUANTITY IN FT<sup>3</sup>/MIN.



**1 CONDENSATE DRAIN TRAP DETAIL**  
M102 NOT TO SCALE



**2 DETAIL - FAN-COIL UNIT**  
M102 NOT TO SCALE



**3 CEILING DIFFUSER RUNOUT DETAIL**  
M102 NOT TO SCALE

architecture  
interiors  
town planning

# KAOD

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DATE	COMMENTS
06.24.2016	FOR BID

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FAYETTE CO.  
FIRING RANGE/  
OBSERVATION  
TOWER



340 HEWELL ROAD  
JONESBORO, GEORGIA

Prepared for  
FAYETTE CO.

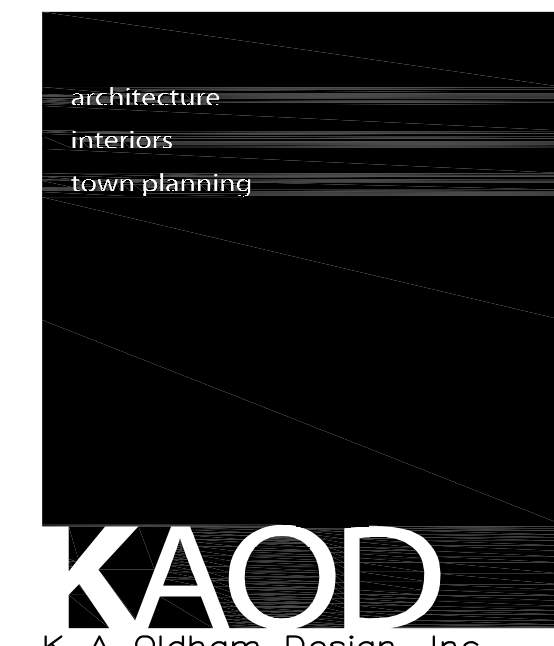
COMMISSION NO:  
1464.00

SHEET TITLE:  
HVAC DETAILS AND  
SCHEDULES

SHEET NO:

# M102

NOT ISSUED FOR CONSTRUCTION



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DATE	COMMENTS
06.24.2016	FOR BID

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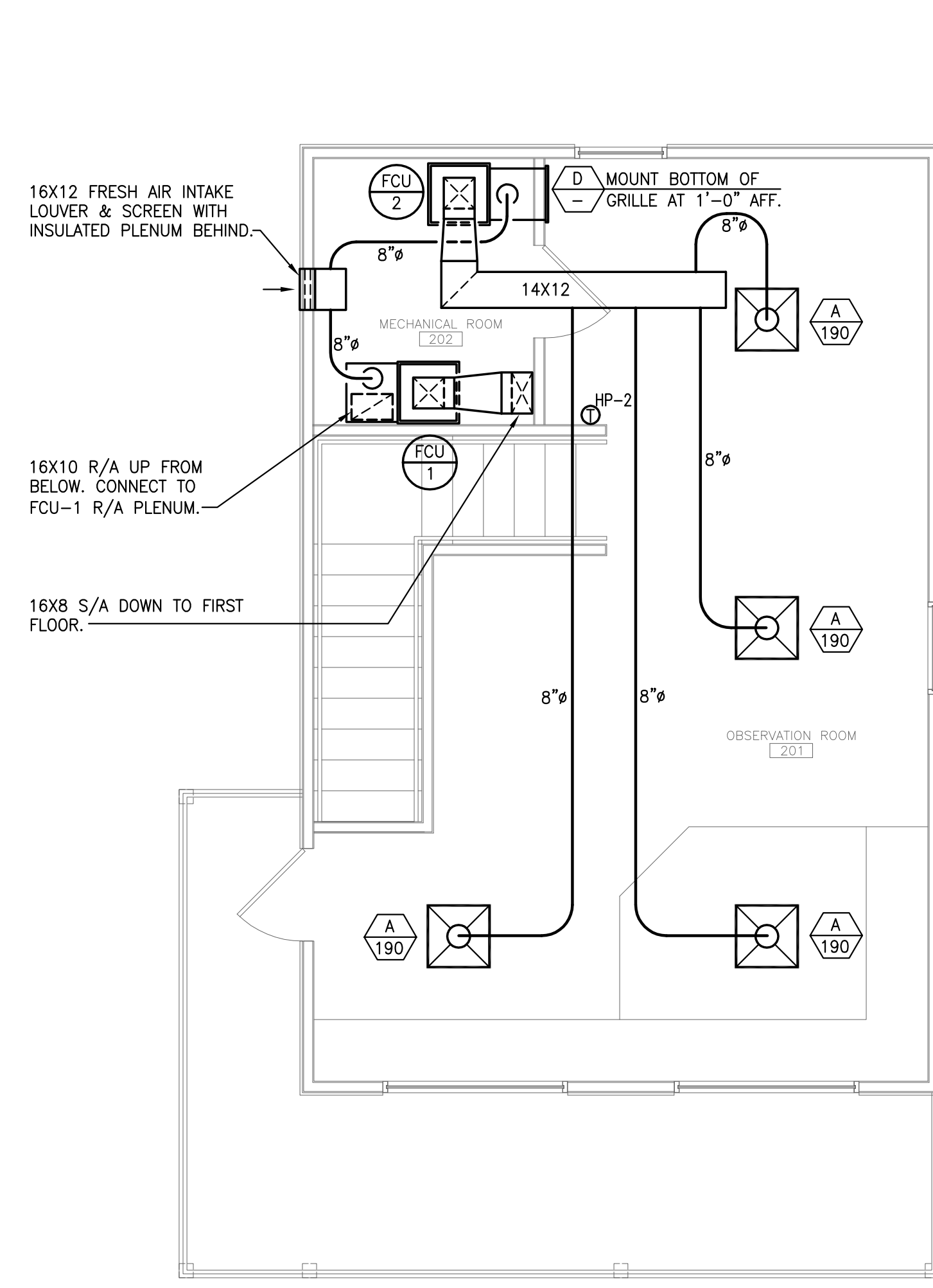


FAYETTE CO.  
 FIRING RANGE/  
 OBSERVATION  
 TOWER

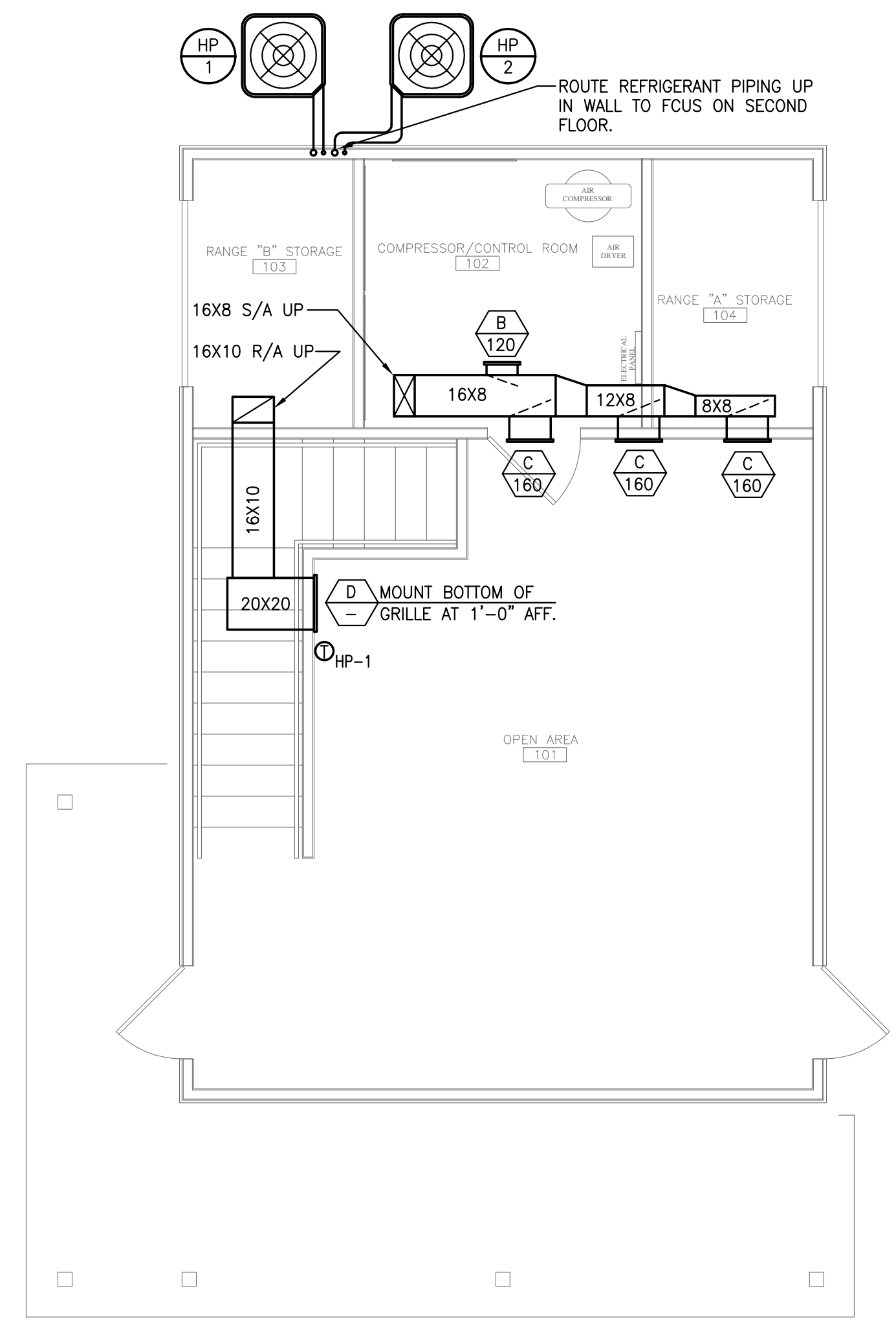


340 HEWELL ROAD  
 JONESBORO, GEORGIA

Prepared for  
 FAYETTE CO.



**2 SECOND FLOOR PLAN - HVAC**  
 M201 SCALE: 1/4" = 1'-0"



**1 FIRST FLOOR PLAN - HVAC**  
 M201 SCALE: 1/4" = 1'-0"

COMMISSION NO:	1464.00
SHEET TITLE:	HVAC FLOOR PLANS
SHEET NO:	

M201  
 NOT ISSUED FOR CONSTRUCTION

Table with 4 columns: R#, Electrical Criteria - General Conditions, Check Off, and Description. Includes items like PERMITS & FEES, LICENSES/BUSINESS, BONDING & INSURANCE, COORDINATION OF OTHER TRADES, MANUFACTURERS ALTERNATES & SUBSTITUTIONS, SUBMITTALS, and WARRANTY.

Table with 4 columns: R#, Electrical Criteria - Basics Criteria, Check Off, and Description. Includes items like GENERAL, LICENSES/ELECTRICAL, CODES, PERMITS & FEES, COORDINATION OF POWER UTILITY, COORDINATION OF LV COMMUNICATIONS UTILITY, PROVISIONS TO BE INCLUDED, MATERIALS, and MOTORS & CONTROLS.

Table with 4 columns: R#, Electrical Criteria - Bonding & Grounding, Check Off, and Description. Includes items like BONDING & GROUNDING GENERAL, BUILDING BONDING, GROUNDING IN-GRADE CONDUCTORS, BONDING & GROUNDING CONDUCTORS, CONNECTIONS IN-GRADE TYPE, CONNECTIONS COPPER, GROUND RODS, GROUND ROD INSPECTION WELLS, MASTER GROUND BAR, ISBT, and INSTALLATION STANDARDS.

Table with 4 columns: R#, Electrical Criteria - Conduits, Boxes & Fittings, Check Off, and Description. Includes items like GENERAL, SUBMITTALS, GENERAL UNDERGROUND, GENERAL CONCEALED, GENERAL EXPOSED, GENERAL BOXES, CONDUITS, CONDUITS PVC, CONDUITS FLEXIBLE, CONDUIT MISC. FITTINGS, CONDUIT BOXES, FLOOR BOXES, SIEMENS BRACING & SUPPORT, and INSTALLATION STANDARDS.

Table with 4 columns: R#, Electrical Criteria - Low Voltage Conductors, Check Off, and Description. Includes items like CONDUCTORS GENERAL, SUBMITTALS, CONDUCTORS COLOR CODED, CONDUCTOR LABELING, CONDUCTORS COPPER, CONDUCTORS ALUMINUM, CONNECTIONS, CONNECTIONS ALUMINUM, CONNECTIONS DAMP & WET LOCATION, CONNECTIONS IN-GRADE UNDERGROUND, GROUNDING CONNECTIONS, METAL CLAD CABLE, and INSTALLATION STANDARDS.

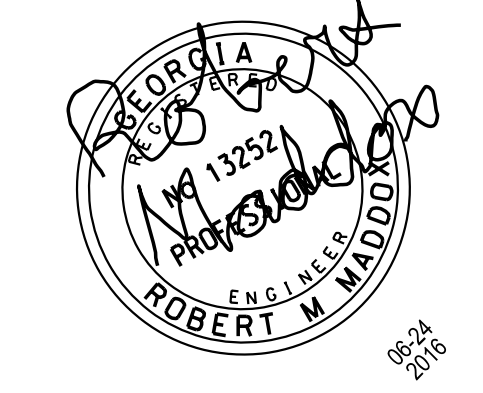
Table with 4 columns: R#, Electrical Criteria - Low Volt. Elect. Distrib. Gear, Check Off, and Description. Includes items like GENERAL ITEMS, EQUIPMENT LABELS, SAFETY & WARNING LABELS, ARC-FLASH LABELS, SIEMENS BRACING & SUPPORT, LOW VOLTAGE OVER-CURRENT PROTECTIVE DEVICES, PANELBOARDS, SWITCHBOARDS, TRANSFORMERS, and TRANSFORMERS GENERAL.

Table with 4 columns: R#, Electrical Criteria - Lighting Fixtures, Check Off, and Description. Includes items like GENERAL, PRE-SUBMITTAL COORDINATION, SUBMITTALS, CODES & REQUIREMENTS, ENERGY EFFICIENCY CODES, MANUFACTURERS SERIES, ALTERNATE MANUFACTURERS, COMPACT FLUORESCENT LAMP, HIGH INTENSITY DISCHARGE, DIMMING BALLAST & CONTROLS, EBIS, EBIS FEATURES, EBIS LINEAR LAMP PERFORMANCE, EBIS CFL LAMP PERFORMANCE, FIXTURE MOUNTING & SUPPORT, SIEMENS BRACING & SUPPORT, and INSTALLATION STANDARDS.

Table with 4 columns: R#, Electrical Criteria - Telco V/D/B Raceways, Check Off, and Description. Includes items like TELCO RACEWAY SCOPE-OF-WORK, TELCO DEVICES, CABLING & EQUIPMENT, TELCO UTILITY COORDINATION, TELCO SYSTEM PROVIDER COORDINATION, TELCO SERVICE CONDUITS, TELCO V/D BACKBOARDS, V/D WALL BACKBOXES & STUB-UPS, and V/D WALL FLOOR BOXES & STUB-UPS.

Table with 4 columns: R#, Electrical Criteria - Project Close-Out, Check Off, and Description. Includes items like REVIEW REQUEST NOTICE, AHJ INSPECTION REPORTS, ROUGH IN REVIEWS, CERTIFICATIONS & TEST REPORTS, CONTRACTOR REVIEW, REVIEW ELECTRICAL BONDING & GROUNDING, REVIEW ELECTRICAL DISTRIBUTION, REVIEW ELECTRICAL PANEL DIRECTORIES, REVIEW ELECTRICAL EQUIPMENT WIRING, REVIEW ELECTRICAL WIRING & DEVICES, REVIEW ELECTRICAL LIGHTING & CONTROLS, REVIEW ELECTRICAL EMERGENCY EGRESS LIGHTING, REVIEW ELECTRICAL SUB-SYSTEMS, KEYS & SPARE PARTS, \*AS-BUILTS\*, WARRANTY, INSTRUCTIONS & TRAINING, PROJECT MANUAL, and FINAL REVIEWS.

Table with 4 columns: DN, Rv, Electrical Disclaimers & Project Notes, and CO. Includes items like Fayette Co Training - Firing Range Bldg., This Project Is All New Construction Work, Utility Power Is To Be Field Verified, Lighting - Refer To The Architectural-Interiors (AI) For The Complete Lighting Design, Emergency Egress & Exit Lighting Is Provided Via Battery Backup Units, Lighting - Refer To The Ltg. Design By The Architectural Interiors (AI) For Ceiling Types & Layouts, Equipment Verification - Contractor Is To Verify The Electrical Characteristics & Ratings Of Electrical Equipment, Fire Alarm - Not Included In This Scope Of Work, Voice/Data - Not Included In This Scope Of Work, TV Service - Not Included In This Scope-Of-Work, Security / Access Control / Alarm System - None Included In This Scope-Of-Work, Owner-Tenant-User Responsibility - To Review & Train In Proper Systems Operations & Maintenance, Owner-Tenant-User Responsibility - To Regularly Check, Test & Document The Proper Operation Of The Emergency Lighting System.



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Table with 3 columns: DATE, ACTION, COMMENTS. Includes entry for 06-24-16, Issued, Permits, Pricing, Construction.

# FAYETTE COUNTY FIRING RANGE OBSERVATION TOWER

340 Howell Road, Jonesboro, Georgia 30236

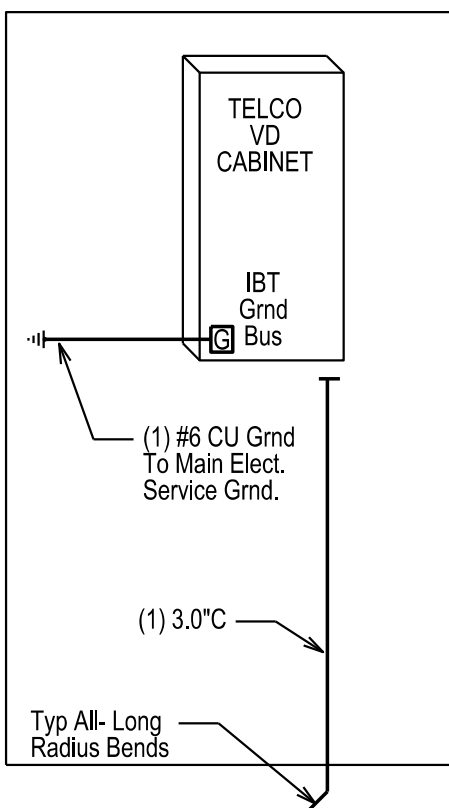
Prepared for FAYETTE COUNTY GEORGIA

Table with 3 columns: COMMISSION / JOB NO.: 1464.00, SHEET TITLE: ELECTRICAL CRITERIA, SHEET NO.:

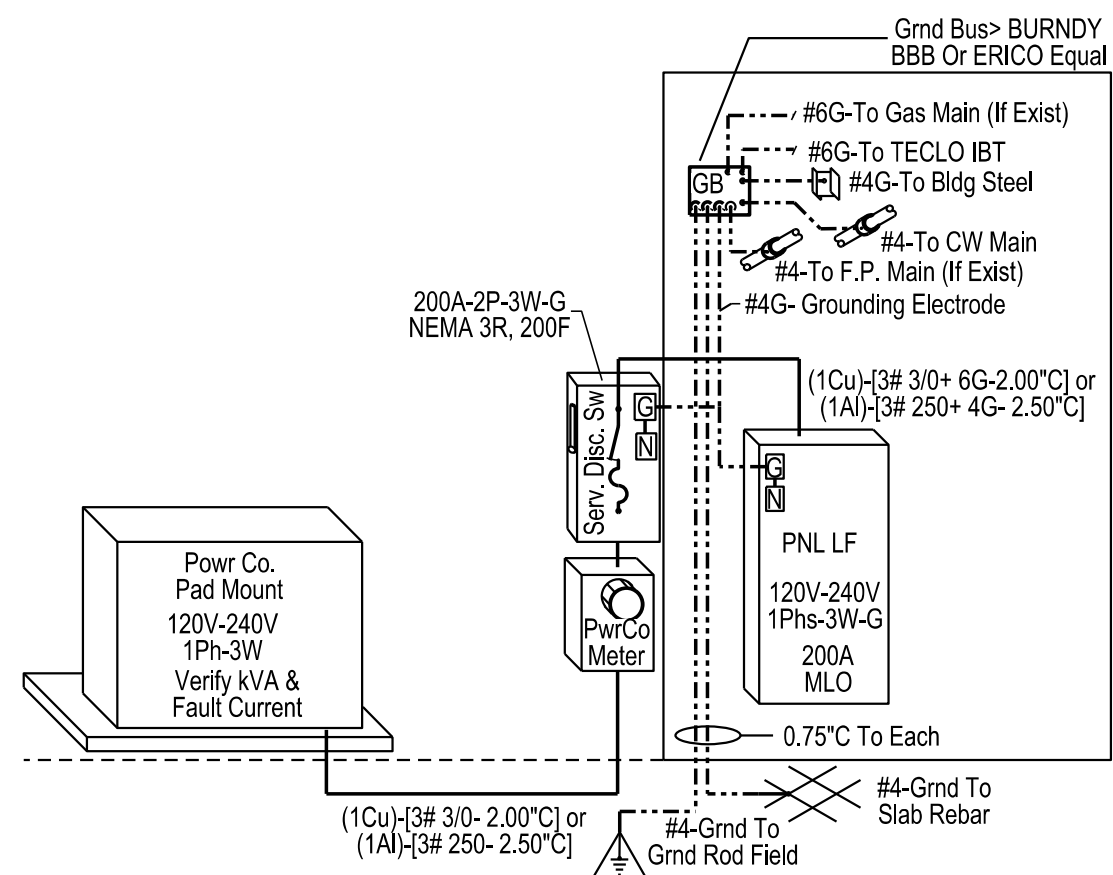
E-0.1 NOT RELEASED FOR PERMIT OR CONSTRUCTION



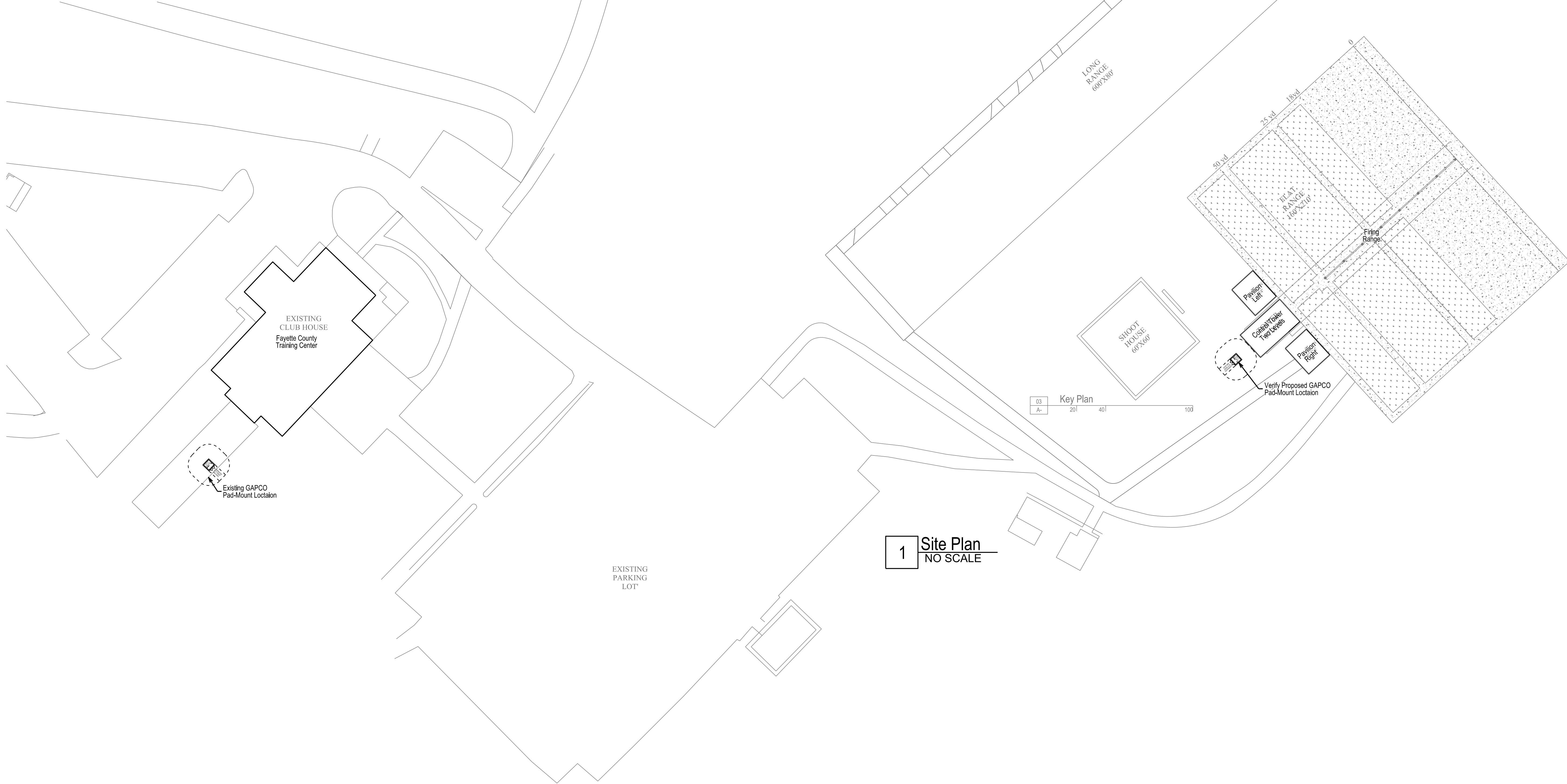
Project: Fayette Co Training - Firing Range Bldg.										LF		Schd		Jonesboro, GA, 30236 City, St.													
Gen Mt 1: Bkr Ties On Multi-Wire Ckts NEC 210.4B					Enclosure-Mtg: NEMA 1					Vol: LL 208		Weil Surf Mtd.															
Gen Mt 2: Seismic Certified & Seismic Rated Anchors & Supports Req'd.					Cover & Door: Door-In-Door, Wth Locks					Vol: LN 120																	
Gen Mt 3: ---					Phs: 1 W 3					OCB Types: Main - MCCB-60C/75C		Branch- MCCB, 60C/75C Lugs															
Gen Mt 4: ---					Buss Amps 200					All Busing: CU or AL		100% N & G Busing															
Gen Mt 5: ---					Main OCP MLO					Arc-Flash: Labeled Per NEC & OSHA																	
16-125 MADDOX GROUP INC.										Spare % = 5%		KA-AIC SCA		10k AIC		16.06.24 Date: Const Status											
Rv	Nt	Description	Wiring	ID	WVA	OCF	P	#	P	#	OCF	P	WVA	ID	Wiring	Description	Nt	Rv									
		HP-01, 1.5 Tons	2# 12-12G	C	1,357	20	-	01	A	02	25	-	1,323	C	2# 12-12G	HP-02, 2.0 Tons											
		240V-1Ph-11.8 MCA	DS-20A,2P,G,3R	C	1,357	-	2	03	B	04	-	2	1,323	C	DS-20A,2P,G,3R	240V-1Ph-14.2 MCA											
		FC-01, 5.0 kW	2# 8-10G	G	2,500	40	-	05	A	06	50	-	3,000	G	2# 8-10G	FC-01, 8.0 kW											
		240V-1Ph-33.5 MCA	DS-60A,2P,G,3R	G	2,500	-	2	07	B	08	-	2	3,000	G	DS-60A,2P,G,3R	240V-1Ph-46.9 MCA											
		Air Compr 5.0 HP	2# 8-10G	M	3,360	50	-	09	A	10	20	1	800	L	#10 + #10G	Canopy Ltg. Ltg & Fans											
		240V-1Ph-28 FLC	DS-60A,2P,G,3R	M	3,360	-	2	11	B	12	20	1	800	R	#10 + #10G	Canopy Ltg. Ltg & Fans											
		Air Dryer	#12 + 12G	M	1,500	20	1	13	A	14	20	1	800	L	#10 + #10G	Canopy Rt. Ltg & Fans											
		Ltg- Fid Lts	#12 + 12G	L	800	20	1	15	B	16	20	1	800	R	#10 + #10G	Canopy Rt. Outlets											
		Ltg- Ext	#12 + 12G	L	910	20	1	17	A	18	20	1	1,000	R	#12 + 12G	Rcpts - Extr											
		Ltg- OD Fans	#12 + 12G	L	400	20	1	19	B	20	20	1	1,400	R	#12 + 12G	Rcpts - Gen Use											
		Ltg- 4A-4B Fxits	#12 + 12G	L	780	20	1	21	A	22	20	1	1,000	R	#12 + 12G	Rcpts - Gen Use											
		Ltg- 7A Fxits	#12 + 12G	L	910	20	1	23	B	24	20	1	1,400	R	#12 + 12G	Rcpts - Gen Use											
		> Spare <	---		0	20	1	25	A	26	20	1	400	R	#12 + 12G	Rcpts Ded- Telco											
		> Spare <	---		0	20	1	27	B	28	20	1	0		---	> Spare <											
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		> Spare <	---		0	20	1	31	B	32	20	1	0		---	> Spare <											
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		---	---		0	na	-	Sub	A	Sub	na	-	0		---	---											
		---	---		0	-	2	Load	B	Load	-	2	0		---	---											
N# 01- HACR Listed & Labeled MCCB				Phs-A = 50.9 %				156				A				18,730 VA				39.5 KVA Facored End Use				190 A			
N# 02- Not Used				Phs-B = 49.1 %				150				A				18,050 VA				0.0 KVA Pass Thru Load				0 A			
N# 03- Not Used				Summary =				177				A				36,780 VA				2.0 KVA Spare				9 A			
N# 04- Not Used																				41.4 KVA Total				199 A			



2 TELCO RISER  
NO SCALE



1 ELECTRICAL RISER  
NO SCALE



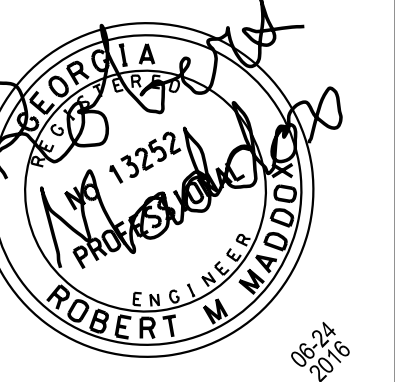
1 Site Plan  
NO SCALE

architecture  
interiors  
town planning

**KAOD**

K A Oldham Design, Inc.

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**THE MADDOX GROUP**  
DESIGN & ENGINEERING

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DATE	ACTION	COMMENTS
06-24-16	Issued	Permits, Pricing, Construction

FAYETTE  
COUNTY  
FIRING RANGE  
OBSERVATION  
TOWER

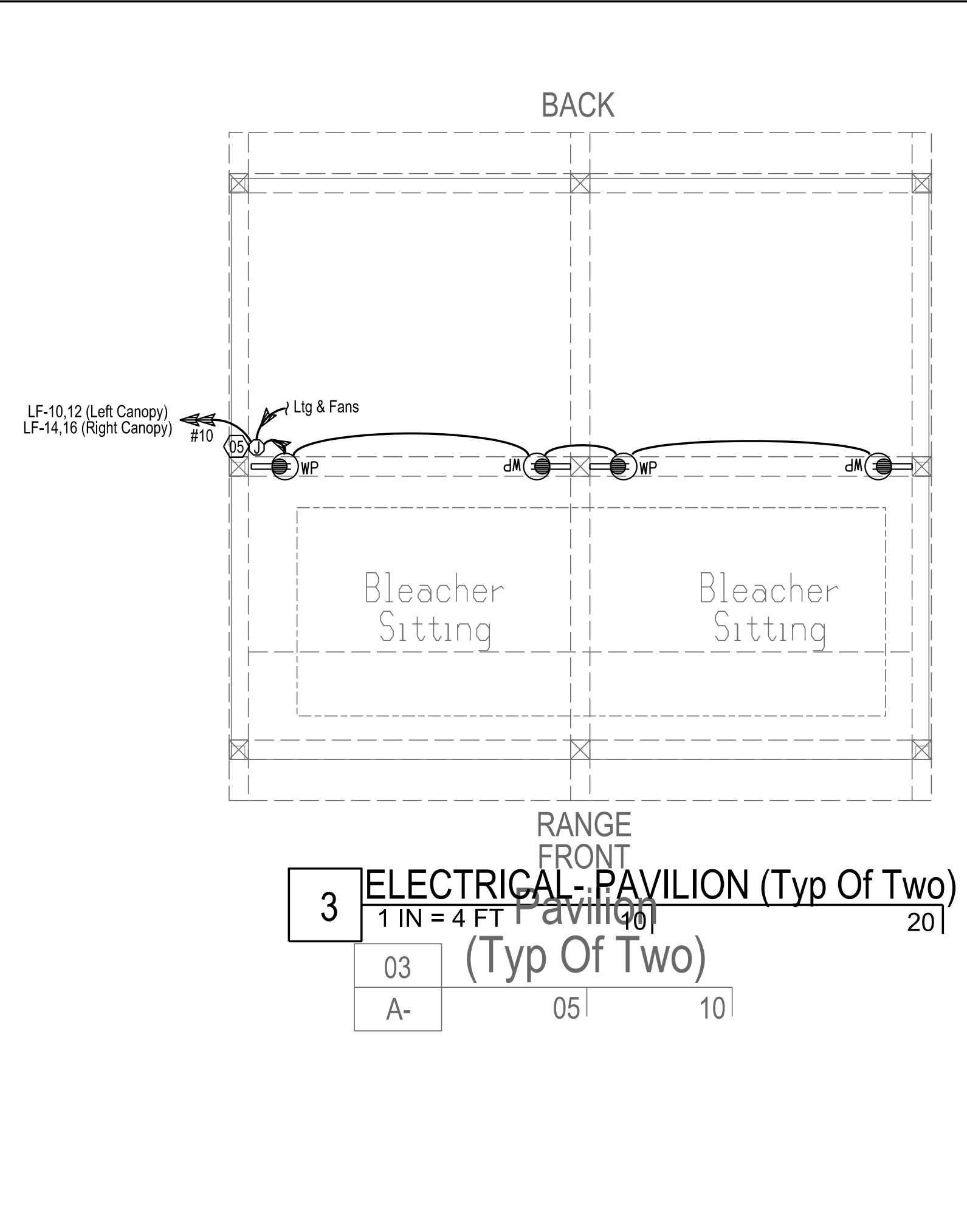
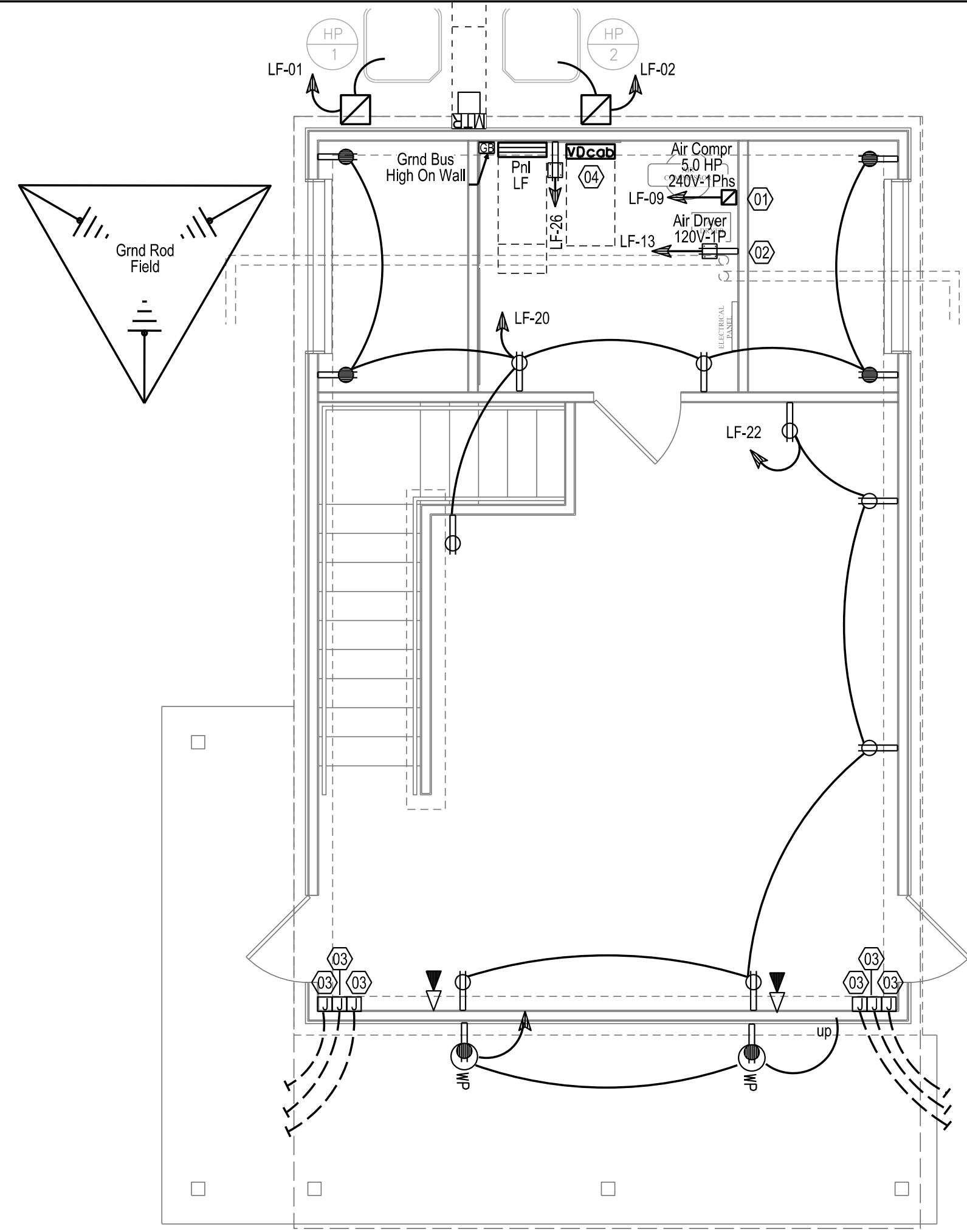
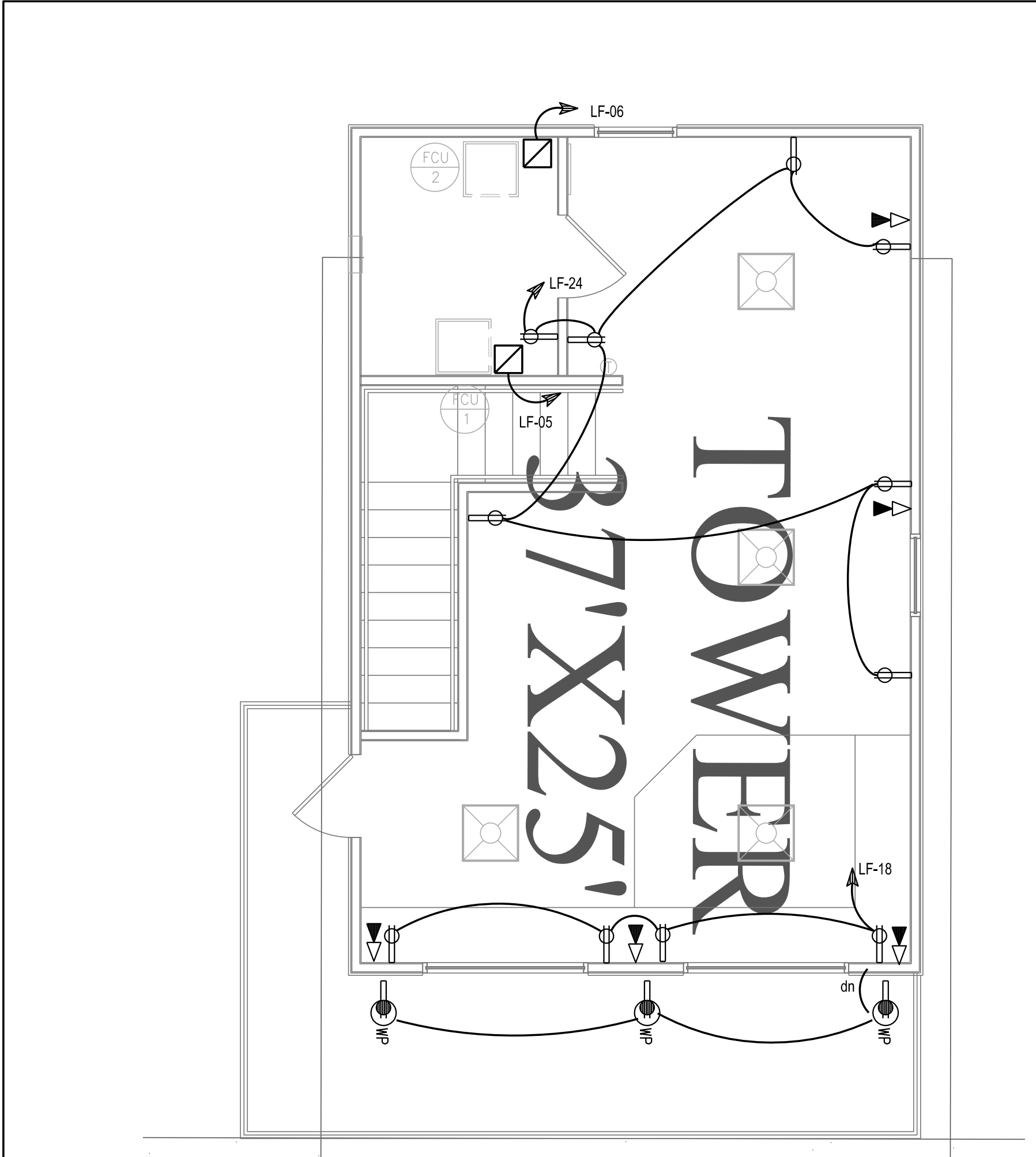
340 Hewell Road  
Jonesboro,  
Georgia 30236

Prepared for  
**FAYETTE  
COUNTY  
GEORGIA**

COMMISSION / JOB NO:  
1464.00

SHEET TITLE:  
**ELECTRICAL  
RISER &  
SCHEDULES**

SHEET NO:  
**E-02**  
RELEASED FOR  
PERMIT OR CONSTRUCTION



**1 ELECTRICAL- TWR 02 LEVEL**  
 1 IN = 4 FT 10' 20'

**2 ELECTRICAL- TWR 01 LEVEL**  
 1 IN = 4 FT 10' 20'

**3 ELECTRICAL- PAVILION (Typ Of Two)**  
 1 IN = 4 FT 10' 20'  
 (Typ Of Two)  
 03 05 10  
 A-

**Tower 2nd Level**  
**Floor Plan**  
 01 05 10  
 A-

**Tower 1st Level**  
**Floor Plan**  
 02 05 10  
 A-

WIRING & EQUIPMENT	
SYMBOLS	DESCRIPTIONS
⊙	J-Box Ctg / Wall Mtd. @ 24" AFF UNO
⊙	Flexible Conduit, LT Damp-Wet Areas
—	Solid Curved- Concealed Wiring
—	Solid Straight- Exposed Wiring
- - -	Dashed- In-Slab Or U.G. Wiring
↗	Arrowhead- Home Run As Shown
⊖	Surf. Mtd Multi-Channel Raceway
⊖	Grounding Symbol / Grnd Rod
⊖	Plywood Bkbd, Size As Noted
⊖	Motor, F- Fract. HP, # HP
⊖	Manual Motor Rated Switch, 30A, 3P, 600V, NEMA-3R Ends
⊖	Magnetic Motor Combo Starter / Switch, Ratings As Noted Or Scheduled
⊖	Electric Heat Unit
⊖	Disc. Switch, Ratings As Noted
⊖	Panel / Distb. Panel & Clearances
⊖	Distrib. Equip. & Clearances
⊖	Transformer & Clearances

RECEPTACLE DEVICES			
15A	20A	MTG/UNO	DESCRIPTIONS
⊖		18" AFF	RCPT- SINGLE
⊖		18" AFF	RCPT- DUPLEX
⊖		18" AFF	RCPT- QUAD (TWO DUPLEX)
⊖		18" AFF	RCPT- DUPLEX GFCI
⊖		18" AFF	RCPT- DUPLEX WR-GFCI & WP IN-USE COVER
⊖		18" AFF	RCPT- DUPLEX ISO. GRN. (SEE WIRING NOTES)
⊖		18" AFF	RCPT- TWO DUPLEX ISO. GRN. (SEE WIRING NTS)
⊖		18" AFF	RCPT- DUPLEX-TOP SWITCHED
⊖		18" AFF	RCPT- TAMPER RESISTANT DUPLEX
⊖		18" AFF	RCPT- TAMPER RESISTANT DUPLEX GFCI

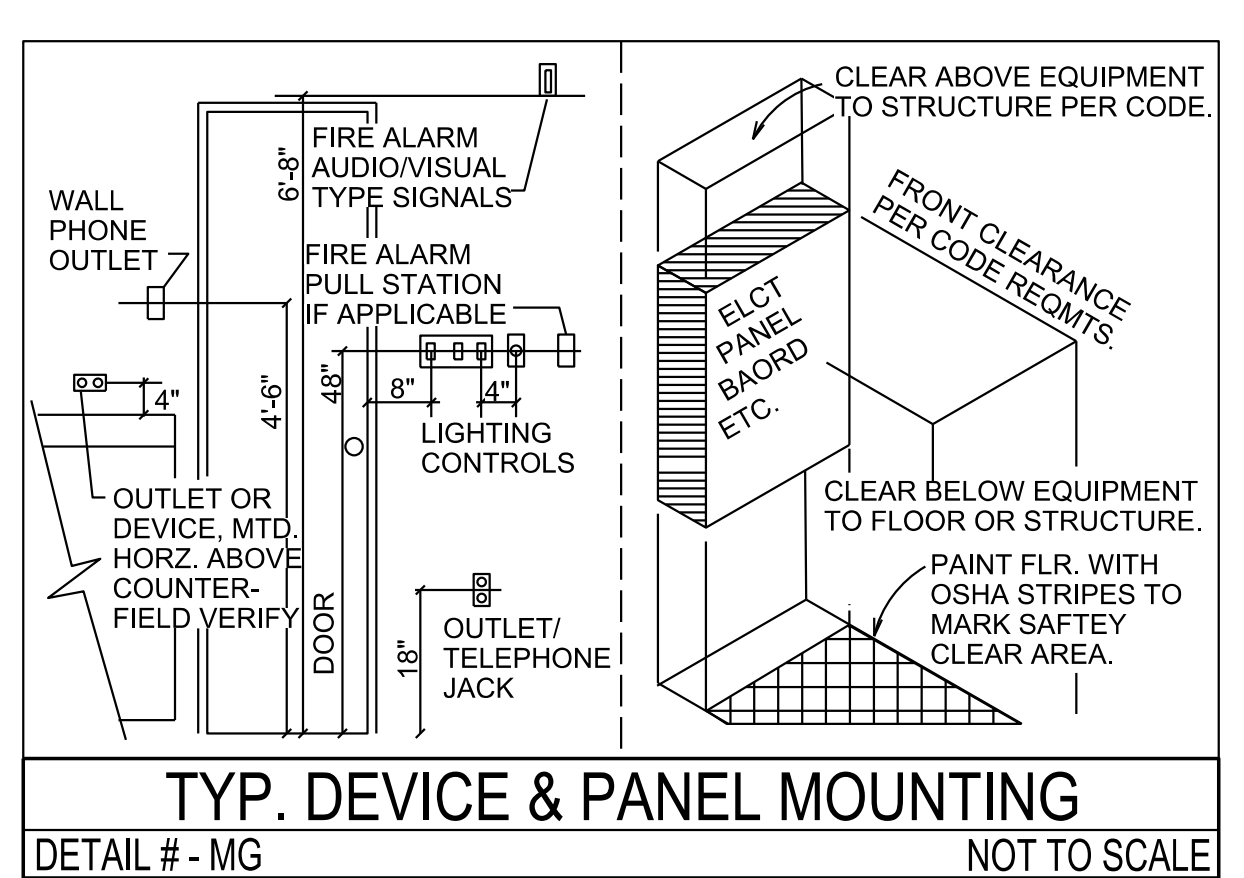
NOTES AND COMMENTS

- Single Branch Circuit Homers (#12) To The Same Panel May Be Combined Into Multi-Circuit Homers Of No More Than (2) 3-Ø/4-Wire Homers. Note Multi-Pole OCP Required At Panel.
- Every Ckt., Regardless Of Conduit Type, Shall Be Provided With A Green Ground Wire (#12 Min), Size Per Code U.N.O.
- Where IG CKts. Are Required, Each IG Ckt. Shall Have A Separate (Non-Shared) Neutral & A Shared Insulated Ground (IG) Conductor.
- Grouping Of Controls / Switching May Be Indicated By Lower Case Letters (i.e., a,b,c,--).

LOW-VOLTAGE DEVICE - ROUGH-INS		
SYMBOLS	MTG/UNO	DESCRIPTIONS
⊖	FLR MTD	VOICE-DATA EQUIPMENT RACK/ CABINET, FREE STANDING (BY OTHERS)
⊖	TOP 60" AFF	VOICE-DATA EQUIPMENT PANEL, WALL MOUNTED (BY OTHERS)
⊖	BTM 18" AFF	VOICE-DATA EQUIP., PROVIDE WALL MTD. BACKBOARD, 0.75" THICK A/D GRADE PLY-WOOD, SIZE A PRESCRIBED
⊖	18" AFF	VOICE JACK WALL MTD QTY. JACKS AS SHOWN
⊖	18" AFF	DATA JACK WALL MTD QTY. JACK DEVICES AS SHOWN
⊖	18" AFF	COMBO VOICE-DATA JACKS
⊖	18" AFF	TV / BROADBAND JACK(S) DUPLEX PLATE WALL MTD

NOTES AND COMMENTS

- This Contractor Is To Provide For Wiring Pathways For Each Low-Voltage Device Shown Consisting Of A 'Ring & String' And / Or Wall-Box & Conduit Stub-Ups. The Low-Voltage Cabling & System(s) Is 'By-Others'.
- Ring & String- 2-Gang Wall Plaster Ring & String To Accessible Plenum.
- Wall Box & Stub Up- 2-Gang (4" Square) Box With 1-Gang Plaster-Ring. With 1.25" Conduit Stub-Up To Accessible Ceiling Plenum With A Pull-String From Box To Conduit End & Tied-Off.
- Floor Box Mounted Devices- Provide A Floor Box Of Type As Prescribed With Low-Voltage Device Mounting Plates and 1.25" E.C.S. Under-Floor & Extended To The Tenants Accessible Plenum With Pull-String.
- All Conduit / Raceway Bends Shall Be Long-Radius Bends (10X Diameter).
- The Owner / Tenant Provides All The Remaining Materials, Installation, Products, Set-Ups, Programming, & Related.



LEGEND NOTES			
#	Rv	DESCRIPTION	CO
01	-	Air Compressor- Verify 5.0 HP-240V-1Phs, Provide Disc. Sw & Connect With LT Flex	
02	-	Air Dryer- Verify F-HP-120V-1Phs, Provide Disc. Sw & Connect With LT Flex	
03	-	Range Firing Controls- 4 In Sq Cast J-Box At Slab Elevation With 1.00" PVC Stubbed-Out 6"-Ø" Past Edge Of Slab, Capped & Marked For Use By Others. Coordinate With Owner's Supplier-Installer Prior To Rough-Ins & Slab-Pour.	
04	-	Voice-Data Cabinet By Owner - See Telco Riser	
05	-	Cast Box & Cover, Hight On Column Near Roof	

16-125 End Of Legend Notes

architecture  
interiors  
town planning

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PROFESSIONAL ENGINEER  
 NO. 11227  
 GEORGIA  
 PROFESSIONAL ENGINEER  
**ROBERT M. MADDOX**  
 06/24/2016

**THE MADDOX GROUP**  
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DATE	ACTION	COMMENTS
06-24-16	Issued	Permits, Pricing, Construction

**FAYETTE COUNTY**  
**FIRING RANGE**  
**OBSERVATION**  
**TOWER**

340 Hewell Road  
 Jonesboro,  
 Georgia 30236

Prepared for

**FAYETTE COUNTY**  
**GEORGIA**

COMMISSION / JOB NO:

1464.00

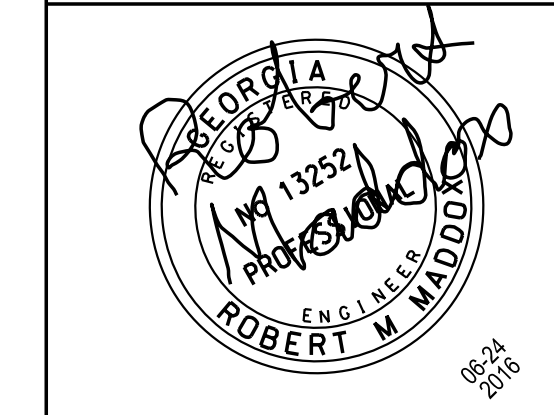
SHEET TITLE:

**ELECTRICAL**  
**PLAN**

SHEET NO:

**E-03**

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DATE	ACTION	COMMENTS
06-24-16	Issued	Permits, Pricing, Construction

**FAYETTE COUNTY FIRING RANGE OBSERVATION TOWER**

340 Hewell Road  
Jonesboro, Georgia 30236

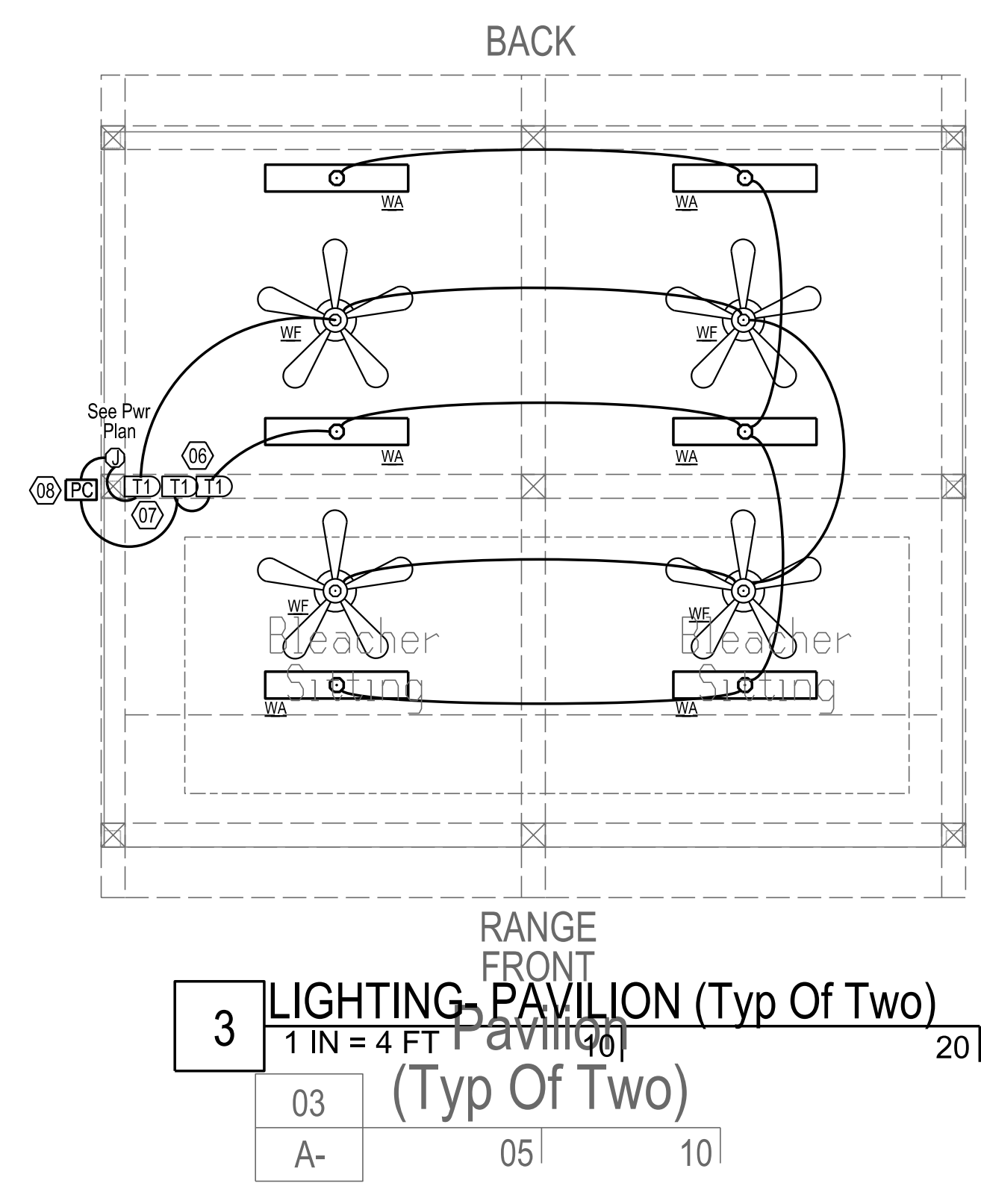
Prepared for  
**FAYETTE COUNTY GEORGIA**

COMMISSION / JOB NO:  
**1464.00**

SHEET TITLE:  
**LIGHTING PLAN**

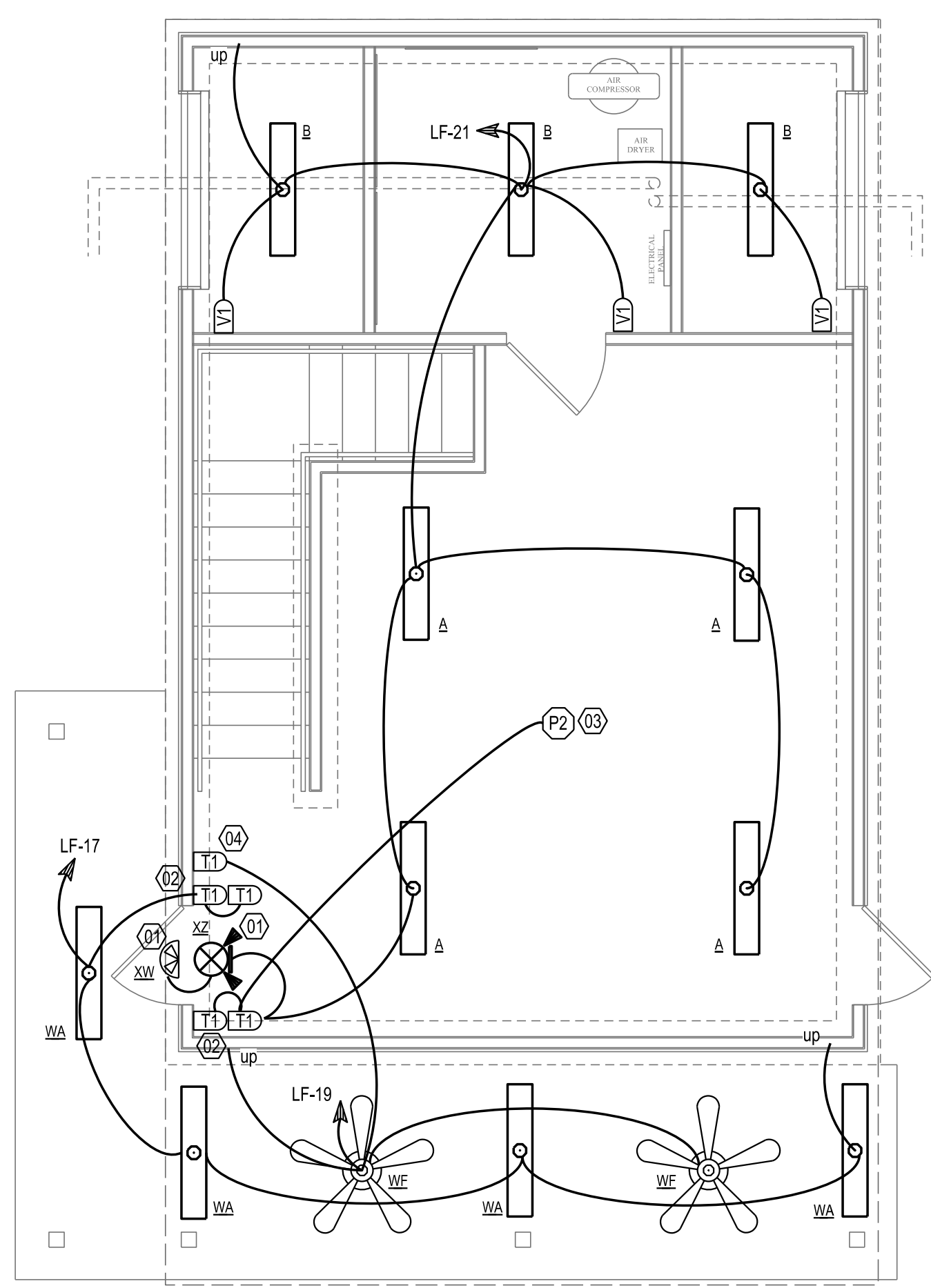
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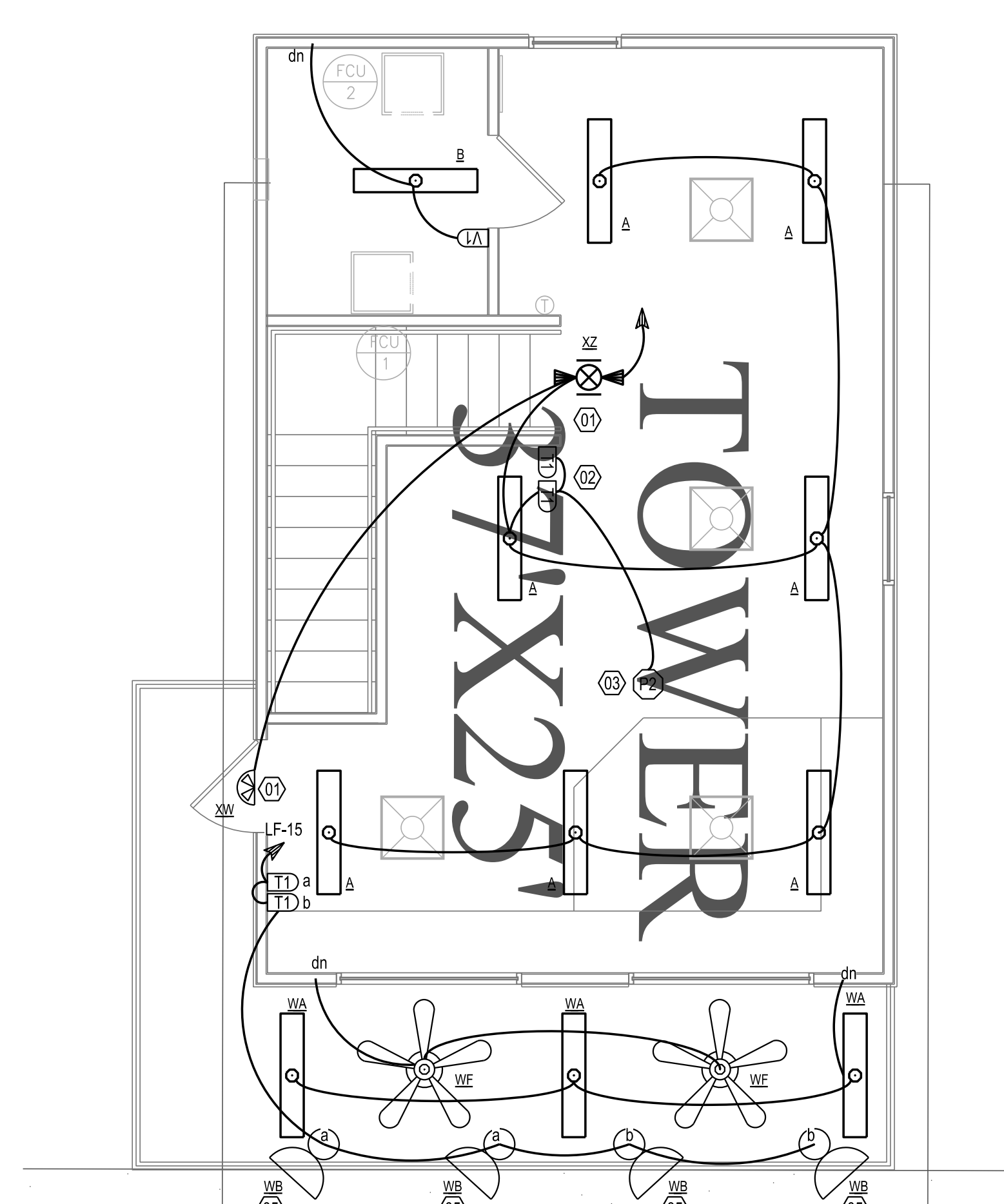
**3 LIGHTING- PAVILION (Typ Of Two)**  
1 IN = 4 FT Pavilion  
**(Typ Of Two)**

03 A- 05 10



**2 LIGHTING- TWR 01 LEVEL**  
1 IN = 4 FT  
Tower 1st Level  
Floor Plan

02 A- 05 10



**1 LIGHTING- TWR 02 LEVEL**  
1 IN = 4 FT  
Tower 2nd Level  
Floor Plan

01 A- 05 10

SYMBOLS	MTG UNO	GENERIC DESCRIPTIONS	RATINGS	MANUF. & SERIES
<b>MANUAL DEVICES - LINE VOLTAGE TYPE</b>				
TS	48" AFF	(T)oggle Switch, 1= SPST; 2= 2PST; 3= 3-Way; 4= 4-Way	20A, Grnd 120V & 277V	PT-262-XX
KS	48" AFF	(K)ey Operated Switch, 1= SPST; 2= 2PST; 3= 3-Way; 4= 4-Way	20A, Grnd 120V & 277V	PT-20AC-XX
IL	48" AFF	(I)lluminated When On Switch (UNO), 1= SPST; 2= 2PST; 3= 3-Way; 4= 4-Way	20A, Grnd 120V & 277V	PT-262-XX
MS	48" AFF	(M)omentary Contact Switch, 1-Pole 3-Position (a) Subscript Indicates Switching Group, Etc.	20A, Grnd 120V & 277V	TM811-DTMO-XX
DI	48" AFF	(D)immer, (1/3) Way, Line Voltage, Full Off Incandescent, CFL & LED Compatible	120V, G 150W-CFL, 600W-I	Lutron Maestro C-L Dimmers
DO	48" AFF	(D)immer, (0-10V) Analog Control, On-Off Switch, Level Slider, Pwr-Fail Memory	0-10V Analog Control Wires	Lutron Diva Series
WS	48" AFF	(W)eather-(P) Toggle Switch, 1-Pole & WP Cover	20A, 120V, 277V, G	PT-262-XX & CA1GL
SM	48" AFF	Switch Motor Rated, NEMA 3R Enclosure	3 Pole, 30A, 600V	7803 Series

SYMBOLS	MTG UNO	GENERIC DESCRIPTIONS	RATINGS	MANUF. & SERIES
<b>LEGEND NOTES - E04</b>				
01	-	Emergency Egress / Exit Light, Connect To Unswitched Lighting Power Ckt. To Ensure Continuous Power To Battery Charger.		
02	-	Red & White Light Switches- One White Toggle Switch To Control Ballast Connected To White Light Lamps; One Red Toggle Switch To Control Ballast Connected To Red Tube Lamps.		
03	-	Occupancy Sensor Master Switch To Shot-Off Power To Both Toggle Switches When Room Is Unoccupied.		
04	-	Fan Control Illuminated Toggle Switch, Illuminated When On.		
05	-	Firing Range Flood Lights, Coordinate Mounting With Architect. Adjust Lights At Night With Owner For Best Coverage.		
06	-	Red & White Light Switches- One White Toggle Switch To Control Ballast Connected To White Light Lamps; One Red Toggle Switch To Control Ballast Connected To Red Tube Lamps. Provide Labeled WP Toggle Switch Cover.		
07	-	Fan Control Illuminated Toggle Switch, Illuminated When On. Provide Labeled WP Toggle Switch Cover.		
08	-	Daylight Photo-Cell Switch, Extend Lighting Circuit Through Photo-Cell To Keep Lights Off During Day-Light Conditions. Heavy-Duty, 120V-2000W Rated Photo-Cell Mounted High At Roof On Cast Box, Facing North. Torq 2117 Series Or Equal.		

SYMBOLS	MTG UNO	GENERIC DESCRIPTIONS	RATINGS	MANUF. & SERIES
<b>LIGHTING CONTROLS - SENSOR, LINE-VOLTAGE, HARD-WIRED</b>				
UV1	Wall Mt. 48" AFF	(V)acancy Sensor, (1/2) Ckt. PIR, Wall Mt. Auto or Man On, Adjustable Time Off	800W-FI @ 120V 1200V-F @ 277V	(V1-P) LHRS1-xx-M (V2-2P) LHRS2C-xx-M
UV2	Wall Mt. 48" AFF	(U)ltra-Sonic/PIR Dual Sensor, (1/2) Ckt. Self-Adaptive, Off Warning, Man/ Auto Select 20x15 Minor & 35x30 Major Motion Range	800W-I @ 120V 800W-F @ 120V 1200V-F @ 277V	(U1-P) LHMTS1G-xx (U2-2P) LHMTS2G-xx
P1 P2	Ctg Mtd Per Manuf	(PIR) Occupancy Sensor, (1/2x) Range, Power Pack, RFI & EMI Resistant, Adjust. Delay & Sensitivity P1=500 Sq Ft, P2=1000 Sq Ft. Coverage Range	24 VDC Sensor 20A, 120/277V Power Pack	(P1=500S) OMNH-R (P2=1200S) OMNH-RL
U2 U3	Ctg Mtd Per Manuf	(U)ltra-Sonic Sensor, (1/2x) Range, Power Pack, RFI & EMI Resistant, Adjust. Delay & Sensitivity U1=500 SF, U2=1100 SF, U3=2200 SF Range	24 VDC Sensor 20A, 120/277V Power Pack	(U1=500S) OMNH-US500 (U2=1100S) OMNH-US1000 (U3=2200S) OMNH-US2000
DL	Ctg Mtd Per Manuf	(D)aylight Switching (Non-Dim) Sensor, Close-Loop Light Sensing Matching Power Pack, RFI & EMI Resistant, Adjust. Delay & Sensitivity	24 VDC Sensor 20A, 120/277V Power Pack	NX-DS Sensor & NX-RC1R/UNV Power-Pack
CF	Ctg Mtd Per Manuf	(C)ombo (Dual-Tech, LIS/PIR Sensor, Power Pack, RFI & EMI Resistant, Adjust. Delay & Sensitivity 360D-Sensing, 1000 & 2000 SF Range	24 VDC Sensor 20A, 120/277V Power Pack	(C1=1000S) OMNH-DT1000 (C2=2000S) OMNH-DT2000

SYMBOLS	MTG UNO	DESCRIPTIONS
○	SEE SCHD.	LIGHTING FIXTURES, GENERALLY CEILING MOUNTED SHAPE GENERALLY INDICATES SHAPE OF FIXTURE
—	SEE SCHD.	FLUORESCENT STRIP TYPE FIXTURE
□	SEE SCHD.	WALL OR BRACKET MOUNTED TYPE FIXTURE
△	SEE SCHD.	LIGHTING TRACK & FIXTURES
⊗	SEE SCHD.	EXIT SIGNAGE FIXTURE
⊙	SEE SCHD.	EXIT SIGNAGE WITH DIRECTIONAL ARROWS
⊕	SEE SCHD.	EXIT SIGNAGE WITH EMERGENCY FLOOD LIGHTS
⊖	SEE SCHD.	BATTERY TYPE EGRESS FIXTURES
XXX	SEE SCHD.	LIGHTING FIXTURE TYPE ID / TAG- SEE LTG FIXTURE SCHEDULE

SYMBOLS	MTG UNO	DESCRIPTIONS
<b>LIGHTING GENERAL NOTES</b>		
NOTES & COMMENTS		
FIXTURE TYPES ARE INDICATED BY UPPER CASE CHARACTERS SWITCHING GROUPS SHOWN BY LOWER CASE LTRS. WHERE APPLICABLE. CIRCUIT GROUPING SHOWN BY NUMBERS, WHERE APPLICABLE. REFER TO REFLECTED CEILING PLANS FOR EXACT FIXTURE LOCATIONS. WP INDICATES WEATHER PROOF SWITCH COVER.		

Proj:	Fayette Co Training - Firing Range Bldg.	16.06.24 Date							
Loc:	Jonesboro, GA, 30236	Const. Status							
<b>LIGHTING FIXTURE SCHEDULE</b>									
Fixt ID	General Lighting Fixture Descriptions	TU Mean Lumens	Lamp Qty & Type	Ballast-Driver Type	Power V VA	Mount. Notes	Item	Manufacturer Series / Model	Revs #
A	48Lx12W, 03D, 2+2-T8 X-Sept. Vandal-Resistant Wrap-Around, UV Stabilized Polycarbonate Diffuser, Tamper-Resistant Hardware, Wet Location Labeled	na	2+2- F32/ T8/ 35K	2/2 HBF, HPF, 10% THD, PRS	UNV 120-277	130	SM	3.4 Columbia VR Series: VR- W 4Ft-2+2L-32T8-EPRS-U	-
B	48Lx07Wx05D, 2L T8 X-Sept. Fiberglass Enclosed & Gasketed, Frosted High-Impact Acrylic Diffuser, Wet Location Labeled	na	2- F32/ T8/ 35K	1/2 HBF, HPF, 10% THD, PRS	UNV 120-277	65	SM	Columbia XEM Series: XEM- 2 Ft. 2L-32T8-RFA-EPRS-U	-
Fixt ID	Wet-Location Outdoor Lighting Fixture Descriptions	TU Mean Lumens	Lamp Qty & Type	Ballast-Driver Type	Power V VA	Mount. Notes	Item	Manufacturer Series / Model	Revs #
WA	48Lx08W, 07D, 2+2-T8 X-Sept. Vandal- & Tamper Resistant Enclosed, Acrylic Crepe Diffuser, Wet Location Labeled, 2-Ballast	na	2+2- F32/ T8/ 35K	2/2 HBF, HPF, 10% THD, PRS	UNV 120-277	130	SM	3.4 Columbia FNPS Series: FNPS- 4-8Ft, 2+3-4L-32T8-EPRS-U	-
WB	Wet-Location Outdoor LED Flood Light Die-Cast Housing & Matching Hardware, Cut-Off Hood, Horiz Flood, Verde Green Finish, 4x4 NEMA Beam-Spread + Full Adjustable Louver	13,305 Lumens, 45,607 BCP	LED, 35k CT, 85<CRI	LED Driver, 10% THD, 0.95 PF	UNV 120V-277V	200	Yoke or Stem	See Archt Spaulding ARF Series: ARF4-YK-84L-3K-070-M-120V-DB + LV	-
WF	Outdoor Damp-Location Adjustable Caged Fan Unit, 3-Blade, With Matching Wall Mt. Speed Control, Mtg. Height & Finish Per Architect or Owner. (Black, Bronze, Pewter, Nickel)	847 CFM Air Flow	No Light	Fan Mtd. 3-Speed Non-Reversing + Remote Wall Ctl.	UNV 120-277V	120	85	Slam Mtd. Verify Length	Fanmeton Extraordinaire- Equal By Casablanca or Modern Fan Co
Fixt ID	Exit Signs & Emergency Ltg. Units	Flt FC Avg	Unit Heads Qty & Type	Unit Battery	Power V VA	Mount. Notes	Item	Manufacturer Series / Model	Revs #
XW	Dual-Function LED Exit & Back-Egress Wall-Light Die-Cast Alum. Vandal-Resistant, Wet Location, Self-Combined Norm-AC / Emerg. Bat. Unit, Photo-Cell, Heater & Self-Test-Monitor-Alarm, Color Per Archt. Owner- Black, Dk-Bronze, Off-White, Platinum-Gray	640	Wide / Forward Throw, Hi-Lumen Output LED	Nick-Metal Hydride	UNV 3/ 15(Hr)	WM Abv Door	1	LightAlarms Camray LED- CAM-ACSD-Color--CS-FT-HL-PC	-
XZ	Combo LED Exit Sign, NEMA-4x Vandal-Resistant, 1/2 Face, 2-Adjustable LED Heads, Universal Mtg. Battery Back-Up, Red Lt, Arrows As Required, Self-Test-Alarm, 3-Yr. Warranty, Color Per Archt-Owner	17W 04D 13H	(2) 12V-6.0W MR16 LED Heads	12 VDC- Lead-Calcium	UNV 5	UM	1	LightAlarms XV Series: XV- 24E-Color-1/2-RIG-DA-4X-2Hd-LD10	-
<b>SPECIFIC ITEM NOTES</b>									
1- Connect Emerg Battery To Unswitched Source		2- Refer To Interior Lighting Plans & Schedules For Details.		3- 2-Ballast, Each With 2-T8 Lamps, 2 "White" Lamps + 2 "Red" Lamps		4- Provide 2 Red T8 Tube Guards			
<b>Misc Abbreviations</b>									
FBO-	Furnished By Owner Complete U.N.O.	CRI	Color Rendering Index (Of Lamp)	BFC-	Below Finished Ceiling				
FMC-	Fixt. Material Cost With Lamps & Hardware Complete	xx K	Kelvin (Lamp Color)	CB-	Concrete Base- See Details				
IBC-	Installed Complete By Contractor, U.N.O.	Lum	Lumens (Lamp Light Output)	FIC-	Flush In Ceiling				
		mA	Milli-Amp (LED Driver Rating)	FIG-	Flush In Grade				
		PS	Programmed Start						
PBC-	Provided By Contractor	STA	Self-Test & Alarm	PH-	Pend Hung, Htg As Ntd, Per Archt.				
SBO-	Selected By Owner	RS	Rapid Start	SM-	Surface Mtd On Ceiling Or Structure				
		THD	Total Harmonic Distortion Max.	WM-	Wall Mtd- Htg As Noted, Per Archt.				
<b>ALTERNATES / PRIOR APPROVAL REQUEST</b>									
A Project Base Quote Shall Be Based On The Lighting As Scheduled & Specified.									
B Lighting Products Of Other Manufacturers May Be Submitted As Add Or Deduct Alternates, Complete With Labeled Fixtures & Lamp Data, Cut-Sheets & Any Variations From The Specified Fixtures Must Be Denoted.									
MADDOX GROUP INC. End Of Lighting Fixture Schedule - See Lighting Criteria 16-125									