						FA	N SCHE	=
MARK FAN	AIR FLOW (CFM)	STATIC PRESSURE (in of H20)	DRIVE TYPE	FAN TYPE	FAN SERVICE	INTERLOCK WITH	MAXIMUM RPM	
EF-1	140	0.25	DIRECT	INLINE	RESTROOMS	LIGHTS	1,200	
NOTES								
1	COORDINA	TE ALL ELECTRICA	L REQUIREMEN	NTS WITH THE E	ELECTRICAL CONTRA	ACTOR.		
2	PROVIDE F	AN WITH SOLID STA	ATE SPEED CO	NTROLLER. CC	NTROLLER SHALL B	E LOCATED ADJAC	CENT TO THE FAN	١.
3	EXTEND EX	HAUST DUCT UP T	HROUGH TRAN	ISLUCENT PANE	EL AND TERMINATE	WITH A WEATHERP	ROOF CAP.	

	ELECTRIC UNIT HEATER SCHEDULE									
HEATER MARK	CFM TOTAL	TYPE DRIVE	MOUNTING	CONTROL WITH	HEATING CAPACITY	UNIT AMPS	ELEC VOLTS	CTRICA Hz	AL DATA PHASE	HEATER SERVICE
EUH-1	175	DIRECT	SURFACE INTEGRAL MOUNTED T-STAT		750 W	6.25	120	60	1	PLUMBING CHASE FREEZE PROTECTIO

1 PROVIDE WITH FAN DELAY SWITCH, POWDER COATED EPOXY FINISH, AND THERMOSTAT. SET FOR HEATER TO ENERGIZE AT TEMPERATURES BELOW 45°F.

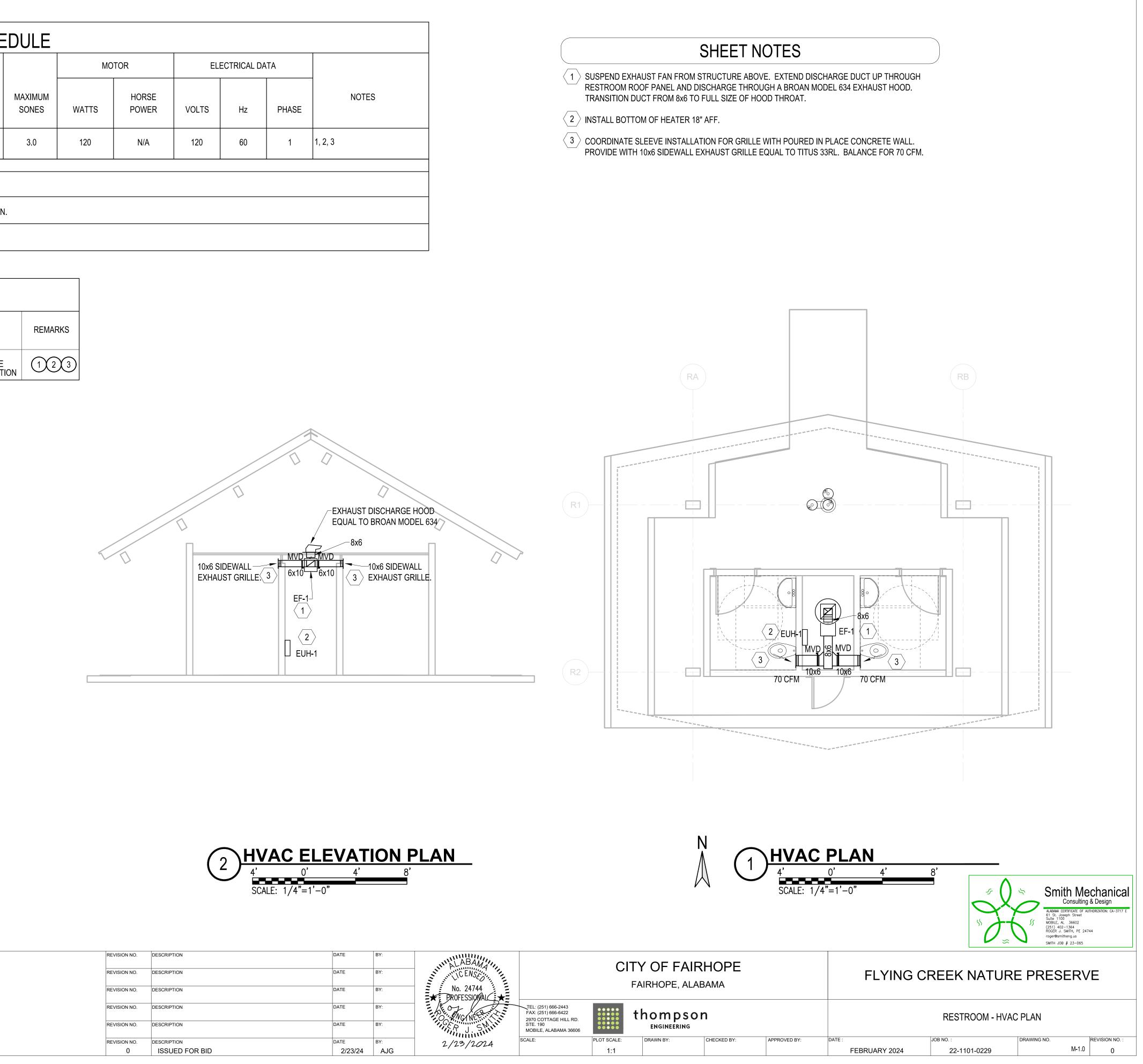
2 COORDINATE ALL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.

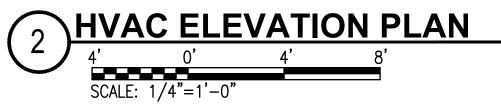
(3) BASIS OF DESIGN IS MARKEL 3320 SERIES. PROVIDE WITH WALL MOUNTING BRACKET.

## HVAC GENERAL NOTES:

- INSTALL ALL WORK IN COMPLIANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION, THE 2018 INTERNATIONAL MECHANICAL CODE, AND THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE.
- 2. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR PRIOR TO BEGINNING ANY WORK.
- 3. DUCT CONSTRUCTION SHALL BE PER THE LATEST REQUIREMENTS OF NFPA 90A AND 90B, SMACNA AND ASHRAE AND SHALL MEET OR EXCEED THEIR REQUIREMENTS FOR SUPPORT AND REINFORCEMENT.
- 4. EQUIPMENT PROVIDED AND INSTALLED ON THIS PROJECT SHALL MEET OR EXCEED THE MINIMUM EFFICIENCY REQUIREMENTS INDICATED IN THE SCHEDULE.
- 5. DUCT CONSTRUCTION SHALL BE G-90 GALVANIZED SHEET METAL. DUCT SEALING SHALL BE CLASS "A", ALL JOINTS, SEAMS, AND PENETRATIONS SHALL BE BRUSHED WITH 2 COATS OF WATER BASED MASTIC. THE DUCT SEAL SHALL MEET OR EXCEED PRESSURE CLASS 2".
- 6. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES ALL REQUIRED OPENINGS IN WALLS, FOUNDATIONS, FLOORS, AND ROOFS. CONTRACTOR SHALL INSTALL LOUVERS PER MANUFACTURERS RECOMMENDATIONS AND DETAILS INDICATED ON THE ARCHITECTURAL PLANS.
- 7. THE MECHANICAL CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT LOCATIONS AND BE RESPONSIBLE FOR ALL RELATED CLEARANCES IN THE FIELD. PROVIDE CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS PER NATIONAL ELECTRIC CODE REQUIREMENTS. DUCT SHALL NOT ROUTE OVER ELECTRICAL PANELS.
- 8. OFFSET AND TRANSITION DUCT AS NECESSARY TO AVOID STRUCTURAL MEMBERS OR EQUIPMENT CONNECTION SIZES. PROVIDE FLEXIBLE DUCT CONNECTORS ON ALL DUCT CONNECTION TO MOTORIZED EQUIPMENT.

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## ELECTRI

### GENERAL ELECTRICAL DEVICES:

**\$** SINGLE POLE LIGHTING SWITCH. MOUNT 48" TO TOP OF DEVICE AFF UNLESS NOTED OTHERWISE. SUBSCRIPT INDICATES AS FOLLOWS:

- M TWO POLE MOTOR RATED SWITCH MOUNTED AT THE EQUIPMENT. PROVIDE PHENOLIC LABEL.
- D LINE VOLTAGE SWITCH WITH DIMMING.
- DUPLEX RECEPTACLE NEMA 5-20R. MOUNT 18" AFF UNLESS NOTED OTHERWISE. VERIFY DUPLEX MOUNTING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. SUBSCRIPT INDICATES AS FOLLOWS:
  - G GROUND FAULT CIRCUIT INTERRUPTER TYPE. WP - GFI DEVICE WITH DIECAST WEATHERPROOF BACKBOX & DIECAST WEATHERPROOF (IN-USE) COVERPLATE. IN EXTERIOR LOCATIONS MOUNT 30" AFG. WEATHERPROOF OUTLET BOX HOODS ARE TO BE LISTED AND IDENTIFIED AS "EXTRA-DUTY". 84" - MOUNTING HEIGHT OF DEVICE AFF.
  - 21 # INDICATES PANELBOARD CKT NUMBER
- DUPLEX RECEPTACLE MOUNTED 42" AFF. OR MOUNT 7" ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN. ORIENT WITH LONG AXIS HORIZONTAL ABOVE COUNTERS.

### LIGHTING CONTROL EQUIPMENT:

INTERMATIC 'ET2845CP' PROGRAMMABLE TIMECLOCK OR APPROVED EQUAL.

#### OCCUPANCY SENSORS:

D2 WALL MOUNTED LINE VOLTAGE DUAL TECHNOLOGY SWITCH WITH DUAL RELAYS. EACH RELAY IS TO HAVE INDEPENDENT DELAY CONTROL. MOUNT 48" AFF TO TOP OF THE DEVICE UNLESS NOTED OTHERWISE. SWITCH SHALL BE PROGRAMMED TO BE MANUAL ON.

#### **DISTRIBUTION & POWER EQUIPMENT**

PANELBOARD. MOUNT AS INDICATED. SEE PANELBOARD SCHEDULES.

NEC 110.26(A) WORKING CLEARANCE.

└── NON-FUSED GENERAL DUTY SAFETY SWITCH. SIZE FOR LOAD BEING SERVED.

#### LIGHTING FIXTURES:

SEE LIGHTING FIXTURE SCHEDULE FOR SYMBOLS AND DESCRIPTIONS. THE FIXTURE MARK IN AN ENCLOSED SPACE WITH SIMILAR FIXTURES WILL APPLY TO ALL FIXTURES IN THE SPACE.

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RICAL LEGEND		
MISCELLANEOUS EQUIPMENT:	А	AMPS
	AC	ABOVE COU
EXHAUST FAN.	AF	AMP FRAMI
ELECTRICAL CONNECTION TO EQUIPMENT. VERIFY LOCATION WITH EQUIPMENT	AFF	ABOVE FIN
PROVIDER.	AFG	ABOVE FIN
OTHER:	AHU	AIR HANDL
	AL	ALUMINUM
CIRCUIT RUN CONCEALED ABOVE CEILING OR IN WALL.	ARCH	ARCHITECT
CIRCUIT RUN CONCEALED IN OR BELOW FLOOR SLAB OR UNDERGROUND.	AT	AMP TRIP
2P2-9 HOMERUN TO PANELBOARD, ANY CIRCUIT WITHOUT FURTHER DESIGNATION SHALL BE	ATS	AUTOMATIC
DF 2#12,#12G,3/4"C. TICK MARKS INDICATE # OF CONDUCTORS (EGC NOT SHOWN). MINIMUM	ATU	
SIZE ON 120V HOMERUNS GREATER THAN 50 FEET SHALL BE #10 AWG. MINIMUM SIZE ON	AWG	AMERICAN
120V HOMERUNS GREATER THAN 100 FEET SHALL BE #8 AWG. MINIMUM SIZE ON 120V	BAS	BUILDING A
HOMERUNS GREATER THAN 160 FEET SHALL BE #6 AWG. MINIMUM SIZE ON 277V	BFG	BELOW FIN
HOMERUNS GREATER THAN 100 FEET SHALL BE #10 AWG. INCREASE CONDUIT SIZE AS	BJ	BONDING J
REQUIRED PER NEC, UNDERLINED TEXT INDICATES CIRCUIT DESIGNATION.	BKR	
	BLDG	
AHU MECHANICAL EQUIPMENT IDENTIFICATION TAG. SEE MECHANICAL EQUIPMENT	BOD	BASIS OF D CONDUIT
1 ELECTRICAL SCHEDULE.	C C/B	CIRCUIT BR
(F2L) LIGHT FIXTURE IDENTIFICATION TAG. SEE LIGHT FIXTURE SCHEDULE FOR SYMBOLS &	C/B CL	CURRENT L
DETAILS.	C/L	CENTERLIN
DE TRIES.	CLG	CEILING
$\langle 1 \rangle$ Sheet note tag.	CKT	CIRCUIT
	CT	CURRENT 1
(4LP1 ) PANELBOARD, SWITCHBOARD, TRANSFORMER & ELECTRICAL EQUIPMENT IDENTIFICATION	CU	COPPER
TAG.	DDC	DIRECT DIG
NAME TOD ROOM NUMBER TAG.	DEMO	DEMOLISH
(100) ROOM NUMBER TAG.	EC	ELECTRICA
LEADERS.	EGC	EQUIPMEN
	ELEC	ELECTRICA
	EMGB	ELECTRICA
	EF	EXHAUST F
	EX	EXISTING T

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EXT

EWC

EMT

FMC

FACP

FU

F/A

FLA

FLR

FVNR

GFI

GC

GND

GEC

HOA

ΗH

HP HVAC

IG

IMC

JB

kCMIL

LCP

LTG

LFMC

MAX

MCA

MCC

MCE

LV

k kAIC

G

EQUIP

## ABBREVIATIONS

		THOUSAND CIRCULAR MILS
ABOVE COUNTER AMP FRAME	MH MIN	MANHOLE MINIMUM
ABOVE FINISHED FLOOR	MISC	MISCELLANEOUS
ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	MISC	MISCELLANEOUS MAIN LUGS ONLY
	_	
	MNT	
	MTG	
ARCHITECT OR ARCHITECTURAL	MTS	MANUAL TRANSFER SWITCH
	MV	
AUTOMATIC TRANSFER SWITCH	N1	NEMA 1
	N3R	NEMA 3R
AMERICAN WIRE GAUGE	N/A	NOT APPLICABLE
BUILDING AUTOMATION SYSTEM	NA	NOT APPLICABLE
BELOW FINISHED GRADE	NEC	NATIONAL ELECTRICAL CODE
BONDING JUMPER	NESC	NATIONAL ELECTRICAL SAFETY CODE
CIRCUIT BREAKER	NEU	NEUTRAL
BUILDING	OCPD	OVERCURRENT PROTECTION DEVICE
BASIS OF DESIGN	OFOI	OWNER FURNISHED OWNER INSTALLED
CONDUIT	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CIRCUIT BREAKER	OH	OVERHEAD
CURRENT LIMITING	OHE	OVERHEAD ELECTRIC
CENTERLINE	OHP	OVERHEAD PRIMARY
CEILING	OHS	OVERHEAD SECONDARY
CIRCUIT	PBD	PANELBOARD
CURRENT TRANSFORMER	PF	POWER FACTOR
COPPER	PNL	PANELBOARD
DIRECT DIGITAL CONTROL	PT	POTENTIAL TRANSFORMER
DEMOLISH	PWR	POWER
ELECTRICAL CONTRACTOR	REC	RECEPTACLE
EQUIPMENT GROUNDING CONDUCTOR	REQD	REQUIRED
ELECTRICAL	RM	ROOM
ELECTRICAL MAIN GROUNDING BUSBAR	RGS	RIGID GALVANIZED STEEL CONDUIT
EXHAUST FAN	RNC	RIGID NON-METALLIC CONDUIT
EXISTING TO REMAIN	RVSS	
EXTERIOR	SA	SURGE ARRESTER
ELECTRIC WATER COOLER	SCA	SHORT CIRCUIT AMPS
ELECTRICAL METALLIC TUBING	SCA	SUPPLY FAN
	SPEC	SPECIFICATION
FLEXIBLE METAL CONDUIT	SWBD	
FIRE ALARM SYSTEM CONTROL PANEL	SWGR	
FUSE	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FIRE ALARM	TR	TELECOMMUNICATIONS ROOM
FULL LOAD AMPS	TGB	
FLOOR	TMGB	
FULL VOLTAGE NON-REVERSING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
GROUND FAULT INTERRUPTER	TYP	TYPICAL
GROUND (OR GFI FOR RECEPTACLE SUBSCRIPT)	UFR	UNDERFLOOR RACEWAY
GENERAL CONTRACTOR	UG	UNDERGROUND
GROUND	UGE	UNDERGROUND ELECTRIC
GROUNDING ELECTRODE CONDUCTOR	UGP	UNDERGROUND PRIMARY
HANDHOLE	UGS	UNDERGROUND SECONDARY
HAND-OFF-AUTOMATIC	UL	UNDERWRITERS' LABORATORIES
HEAT PUMP OR HORSEPOWER	UNO	UNLESS NOTED OTHERWISE
HEATING, VENTILATION & AIR-CONDITIONING	UPS	UNINTERRUPTIBLE POWER SUPPLY
ISOLATED GROUND	V	VOLT
	VA	VOLT-AMPERES
JUNCTION BOX	VAR	VOLT-AMPERES REACTIVE
KILO	VAV	VARIABLE AIR VOLUME UNIT
	W	WATTS
THOUSAND CIRCULAR MILS	WAO	WORK AREA OUTLET
LIGHTING CONTROL PANEL	WP	WEATHERPROOF
LIGHTING CONTROL PANEL	WSR	WEATHERPROOF WITHSTAND RATING
	XFMR	TRANSFORMER
LIQUID TIGHT FLEXIBLE METAL CONDUIT		
	XP	EXPLOSION PROOF
	ф 70°	PHASE
	72°	DEGREES
MOTOR CONTROL CENTER	$\Delta$	DELTA
MAIN COMMUNICATIONS EQUIPMENT ROOM	Ω	OHMS



### 1. GENERAL ELECTRICAL:

- 1.1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM AS INDICATED WITHIN THESE DRAWINGS. ALL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES AND WITH MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL 1.2. DRAWINGS PRIOR TO SUBMITTING HIS BID. THE CONTRACTOR WILL BE REQUIRED TO FURNISH, INSTALL AND CONNECT ALL ITEMS AS INDICATED ON THE DRAWINGS. 1.3. THE ARCHITECT SHALL BE NOTIFIED OF ANY CONFLICTS, OR INTERFERENCES THAT OCCUR BETWEEN INDIVIDUAL
- DRAWINGS. 1.4. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN A NEAT, FIRST CLASS, WORKMANLIKE MANNER, TO THE
- APPROVAL OF THE ARCHITECT/ENGINEER AND GOVERNING AUTHORITIES. 1.5. IN ADDITION TO THE MANUFACTURERS STANDARD GUARANTEES, THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP AGAINST DEFECTS FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE, AND SHALL CORRECT ANY DEFECTS AT NO ADDITIONAL COST TO THE OWNER. ALL LAMPS SHALL BE
- GUARANTEED FOR 30 DAYS AFTER ACCEPTANCE. THE LOADS SHOWN FOR APPLIANCES AND EQUIPMENT ARE BASED ON DESIGN INFORMATION. THE CONTRACTOR 1.6. SHALL VERIFY ALL APPLIANCE LOADS PRIOR TO RUNNING THE CIRCUIT. THE MINIMUM CIRCUIT REQUIREMENTS SHALL BE BASED ON THE APPLIANCE NAMEPLATE VALUE OR CODE REQUIREMENTS. WHICHEVER IS MORE STRINGENT. ADDITIONAL COMPENSATION SHALL NOT BE ALLOWED FOR APPLIANCE MODIFICATIONS BY THE CONTRACTOR.
- PRIOR APPROVAL: PRIOR APPROVAL SHALL BE REQUIRED FOR ANY MANUFACTURER OTHER THAN THOSE LISTED 1.7. FOR ALL SPECIFIED ITEMS IN THESE DRAWINGS. SUBMIT ALL REQUESTS FOR PRIOR APPROVAL 2 WEEKS PRIOR TO BID OPENING. ENGINEER'S APPROVAL WILL BE IN THE FORM OF AN ADDENDUM.
- APPROVAL SUBMITTALS: PROVIDE 6 COPIES OF APPROVAL SUBMITTALS FOR ALL EQUIPMENT BEING PROVIDED FOR 1.8. ENGINEERS REVIEW.
- CODES & STANDARDS:
- 2.1. INSTALLATION AND MATERIALS SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE FOLLOWING CODES & STANDARDS:
- NATIONAL ELECTRICAL CODE. 2.1.1.
- 2.1.2. INTERNATIONAL BUILDING CODE.
- 2.1.3. INTERNATIONAL ENERGY CONSERVATION CODE.
- 2.1.4. NFPA 101.
- 2.1.5. ADA.
- 2.1.6. ANSI.
- 2.1.7. NEMA.
- 2.1.8. OSHA. 2.1.9. UL.

3. ALTERATIONS & ADDITIONS TO EXISTING WORK:

- PROVIDE ALL NECESSARY ADDITIONS AND ALTERATIONS TO EXISTING WORK AS REQUIRED TO PROVIDE AND 3.1.
- MAINTAIN A COMPLETE AND PROPER ELECTRICAL INSTALLATION.
- AS NECESSARY, RELOCATE EXISTING ELECTRICAL WORK SO OTHER TRADES CAN PURSUE THEIR WORK. 3.2.
- 3.3.
- CONTRACT. COORDINATE ALL REQUIRED OUTAGES WITH OWNER. 3.4.

### 4. BASIC MATERIALS & METHODS:

- 4.1. ALL POWER AND DISTRIBUTION CABLING SHALL BE COPPER TYPE THWN/THHN.
- ALL ELECTRICAL EQUIPMENT, DEVICES, ETC. LOCATED OUTDOORS SHALL BE WEATHERPROOF. 4.2. ELECTRICAL CONTRACTOR SHALL PROVIDE ADEQUATE AND PROPER SUPPORT FOR ALL ELECTRICAL OUTLETS, 4.3. DEVICES, LIGHT FIXTURES, ETC. BUILT IN OR MOUNTED ON CEILINGS. NO OUTLET BOX, DEVICE, LIGHT FIXTURE, ETC.
- SHALL BE SUPPORTED FROM ANY ACOUSTICAL CEILING TILE OR DRYWALL CEILINGS. PROVIDE METAL SUPPORTS THAT ARE MADE FOR USE WITH CEILING GRID SYSTEMS OR PROVIDE HANGERS FROM STRUCTURE ABOVE. 4.4. CONDUIT ROUTINGS AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHALL
- FIELD ROUTE AND LOCATE AS REQUIRED. CONDUIT ROUTINGS SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- 4.5. JUNCTION BOXES LOCATED ABOVE CEILING SHALL BE INSTALLED FACING DOWN AND SHALL BE ACCESSIBLE AFTER INSTALLATION.
- COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES AND STRUCTURAL COMPONENTS TO AVOID CONFLICTS 4.6. PRIOR TO BEGINNING ANY WORK.
- 4.7. THE CONDUIT MATERIAL SHALL BE AS FOLLOWS:
- 4.7.1. 4.7.2 RISER FROM 36" BELOW GRADE - RGS.
- 4.7.3. CONCEALED RISER FROM 36" BELOW GRADE - RNC (POWER ONLY).
- 4.7.4 ABOVE GRADE SUBJECT TO PHYSICAL ABUSE - RGS.
- 4.7.5. ABOVE GRADE NOT SUBJECT TO PHYSICAL ABUSE OR WEATHER - EMT.
- 4.7.6. INDOORS NOT SUBJECT TO PHYSICAL ABUSE - EMT. 4.7.7.
- BE LFMC WHETHER INTERIOR OR EXTERIOR.
- 4.8. CONDUIT FITTINGS SHALL BE AS FOLLOWS: EMT - <=2" USE STEEL SET SCREW WITH INSULATED THROATS FOR INTERIOR/ USE COMPRESSION FITTINGS 4.8.1 WITH INSULATED THROATS FOR EXTERIOR, >2" USE SET-SCREW STEEL WITH INSULATED THROATS. RGS - THREADED GALVANIZED STEEL. 4.8.2.
- 4.8.3 PVC - PVC APPROVED FOR THE USE.
- FMC ZINC-PLATED STEEL OR CADMIUM-PLATED MALLEABLE IRON SCREW TYPE WITH INSULATED THROAT. 4.8.4

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## ELECTRICAL SPECIFICATIONS

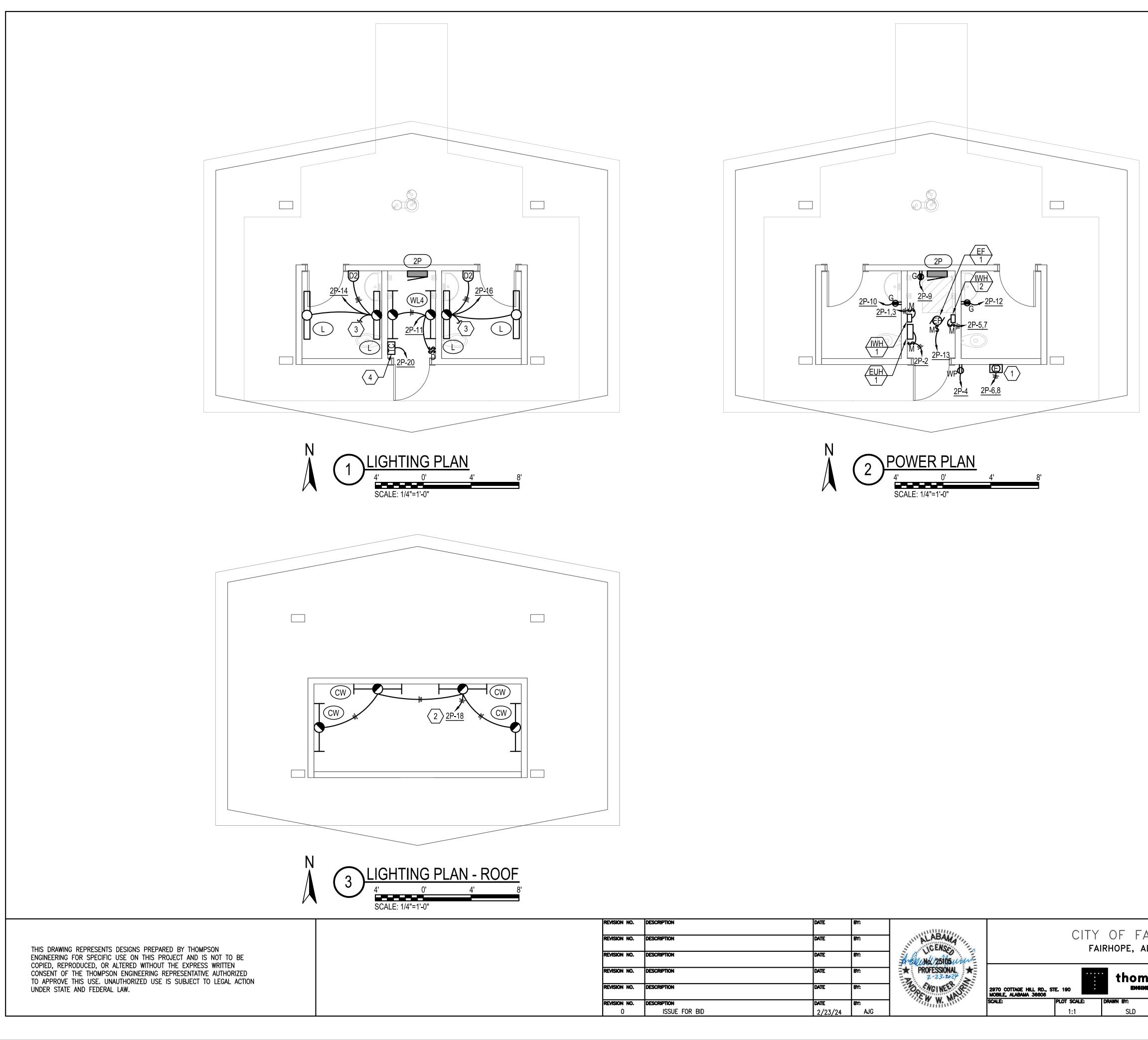
- MAINTAIN POWER TO EXISTING PORTIONS OF BUILDINGS FED FROM OR THROUGH AREA IN SCOPE OF THIS

- BELOW GRADE RNC (POWER & SITE LIGHTING ONLY). ELBOWS >1-1/2" SHALL BE RGS.
- FINAL CONDUIT CONNECTIONS TO HEAT PUMPS, AIR HANDLERS, EXHAUST FANS, AND WATER HEATERS SHALL

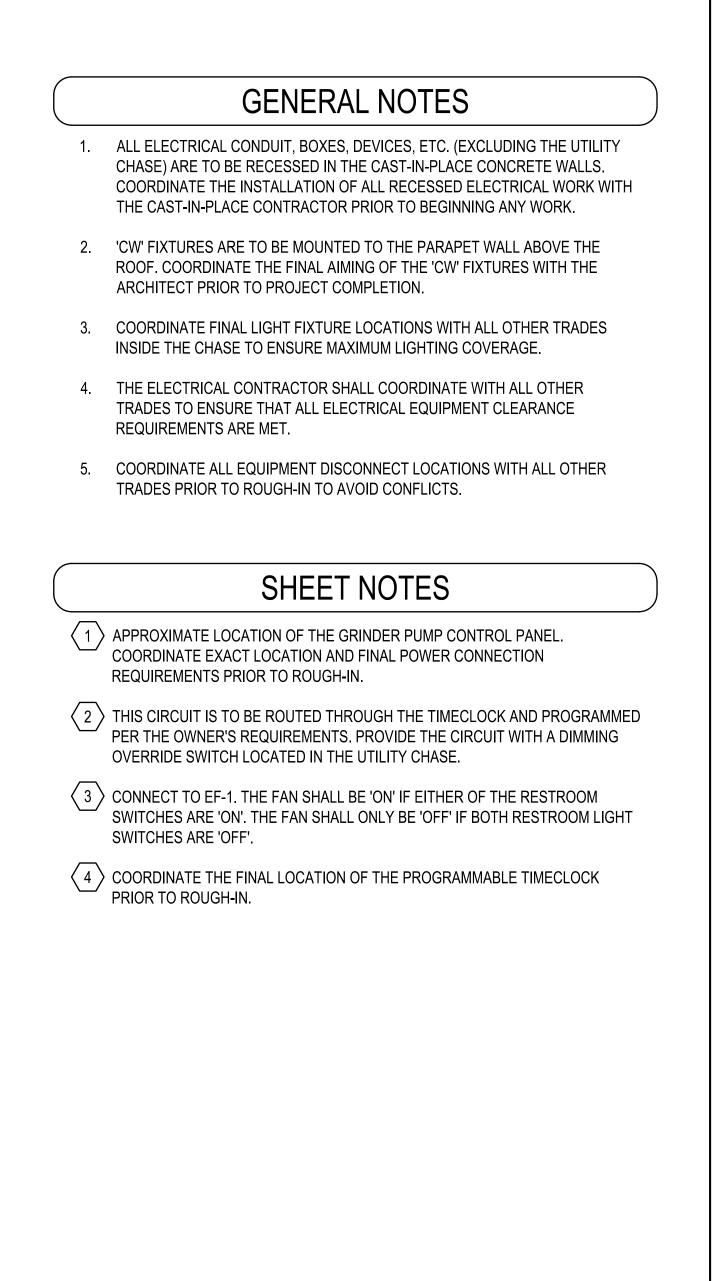
- LFMC CADMIUM-PLATED MALLEABLE IRON OR STEEL COMPRESSION TYPE WITH INSULATED THROAT. 4.8.5. ALL OUTLET BOXES SHALL BE 4"X4"X1-1/2" DEEP MINIMUM. 4.9.
- 4.10. ELECTRICAL CONTRACTOR SHALL WORK CLOSELY WITH THE MASONRY CONTRACTOR ON THE INSTALLATION OF ALL ELECTRICAL BOXES, CABINETS, RINGS, ETC. IN MASONRY WALLS. THE BOXES SHALL BE INSTALLED AT THE UNIFORM HEIGHTS CALLED FOR ON THE DRAWINGS AND SPECIFICATIONS. PROVIDE APPROPRIATE DEPTH MASONRY RINGS FOR ALL OUTLETS IN MASONRY WALLS TO INSURE PROPER CUTTING AND FITTING. THE FACE OF THE CABINETS, BOXES, RINGS, ETC. SHALL BE PLUMB AND FLUSH WITH THE FACE OF THE FINISH MATERIAL. ANY CABINET, OUTLET BOX, ETC. NOT MEETING THE ABOVE REQUIREMENT SHALL BE REMOVED AND REINSTALLED AT NO ADDITIONAL COST TO THE OWNER
- 4.11. ALL SIDEWALKS AND PARKING LOT ASPHALT AREAS THAT ARE CUT DUE TO NEW ELECTRICAL SERVICES SHALL BE REPAIRED TO MATCH EXISTING.
- 4.12. ALL DIMENSIONS TO DEVICES AFF SHALL BE TO CENTERLINE UNLESS NOTED OTHERWISE.
- 4.13. WALL OUTLETS SHALL NOT BE INSTALLED BACK TO BACK.
- 4.14. COORDINATE LOCATIONS OF ELECTRICAL EQUIPMENT, DEVICES, OUTLETS, FIXTURES, ETC., WITH ARCHITECTURAL PLANS, ELEVATIONS AND REFLECTED CEILING PLANS PRIOR TO ROUGH-IN WORK.
- 5. GROUNDING & BONDING:
- 5.1. PROVIDE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS
- GROUND RODS SHALL BE 3/4"X20' COPPERCLAD STEEL 5.2.
- BELOW GRADE CONNECTIONS SHALL BE EXOTHERMIC TYPE. 5.3.
- ALL CABLES SHALL BE COPPER, ALL BOLTED CONNECTIONS SHALL BE BRONZE. 5.4. 5.5. WHERE AVAILABLE, BOND TO BUILDING STRUCTURAL STEEL, BUILDING FOUNDATION STEEL, METAL WATER SERVICE PIPING.
- PROVIDE THREE 20' GROUND RODS IN TRIANGLE ARRANGEMENT ON 20' CENTERS FOR MADE ELECTRODE SYSTEM. 5.6. THE ELECTRICAL CONTRACTOR SHALL BOND NEW COPPER CLAD GROUND RODS WITH TINNED STRANDED BARE COPPER CONDUCTOR.
- 6. IDENTIFICATION:
- 6.1. PROVIDE ENGRAVED 1"X3" PHENOLIC LABELS FOR ALL PANELBOARDS, SAFETY SWITCHES, TRANSFORMERS, CABINETS, ETC.
- PAINT THE RACEWAY SYSTEM COUPLINGS AND BOX COVERS ABOVE CEILINGS FOR THE FOLLOWING SYSTEMS AS 6.2. FOLLOWS:
- 6.2.1. 240 VOLT SYSTEMS - BLACK.
- AFTER PAINTING, WRITE THE CIRCUIT NUMBER (I.E. "LPA-34") ON ALL BRANCH CIRCUIT JUNCTION BOX COVERS 6.2.2. ABOVE CEILING WITH WHITE MARKER.
- 7. GENERAL WIRING DEVICES:
- 7.1. SWITCHES - SPECIFICATION GRADE, 20 AMP, COLOR BY ARCHITECT.
- 7.2. RECEPTACLES - SPECIFICATION GRADE, 20 AMP, NEMA 5-20R, COLOR BY ARCHITECT
- 7.3. COVER PLATES - NYLON, COLOR BY ARCHITECT.
- SPECIAL RECEPTACLES PER THE DRAWINGS, VERIFY WITH EQUIPMENT BEING SUPPLIED. 7.4.
- APPROVED MANUFACTURERS HUBBELL, LEVITON, EAGLE, PASS & SEYMOUR 7.5.
- 8. SAFETY SWITCHES
- GENERAL DUTY. VISIBLE BLADE, LOCKABLE, QUICK-MAKE/QUICK-BREAK, HORSEPOWER RATED, FUSED WHERE 8.1. INDICATED.
- PROVIDE WITH GROUND LUG KIT. 8.2.
- INTERIOR NEMA 1. 8.3.
- EXTERIOR NEMA 3R. 8.4.
- APPROVED MANUFACTURERS SQUARE D. GENERAL ELECTRIC. CUTLER-HAMMER SIEMENS 8.5.
- MOTOR STARTERS:
- 9.1. MANUAL TYPE SHALL BE TOGGLE WITH THERMAL OVERLOAD.
- MAGNETIC TYPE SHALL HAVE SOLID STATE OVERLOAD RELAY WITH Ø LOSS AND Ø UNBALANCE PROTECTION, HOA 9.2. SWITCH. RED RUN AND GREEN STOP LED LIGHTS.
- 9.3. INTERIOR NEMA 1.
- 9.4. EXTERIOR NEMA 3R.
- APPROVED MANUFACTURERS SQUARE D, GENERAL ELECTRIC, CUTLER-HAMMER, SIEMENS. 9.5.
- 10. PANELBOARDS:
- 10.1. FRONT ACCESSIBLE, BOLT-ON MOLDED CASE C/Bs, COPPER PHASE & NEUTRAL BUSSING, COPPER GROUND BAR, FULLY RATED (SERIES RATING NOT ALLOWED).
- 10.2. ENCLOSURES SHALL BE DOOR-IN-DOOR CONSTRUCTION.
- 10.3. INTERIOR NEMA 1.
- 10.4. ALL INTERIOR PANELBOARDS ARE TO HAVE FOUR SPARE 3/4" CONDUITS INSTALLED TO AN ACCESSIBLE SPACE FOR FUTURE.
- 10.5. EXTERIOR NEMA 3R.
- 10.6. PROVIDE TYPE-WRITTEN DIRECTORY IN CLEAR SLEEVE ON INSIDE OF DOOR.
- 10.7 APPROVED MANUFACTURERS SQUARE D. GENERAL ELECTRIC, CUTLER-HAMMER, SIEMENS.

REVISION NO.	DESCRIPTION	DATE	BY:	mannin		CITY		IRHOPE					
REVISION NO.	DESCRIPTION	DATE	BY:	ICENSO		• • • • •	IRHOPE, AL			FLYING	CREEK NATU	JRE PRESE	ERVE
REVISION NO.	DESCRIPTION	DATE	BY:	Archende 25105									
REVISION NO.	DESCRIPTION	DATE	BY:	★ PROFESSIONAL ★=		• • •	thom	pson			ELECTRICAL SPECIF	ICATIONS	
REVISION NO.	DESCRIPTION	DATE	BY:	D ENGINEER R	2970 COTTAGE HILL I MOBILE, ALABAMA 360	RD., STE. 190	ENGINE	ERING	TEL: (251) 666-2443 FAX: (251) 666-6422				
REVISION NO.	DESCRIPTION	DATE	BY:	W. Sist	SCALE:	PLOT SCALE:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE :	JOB NO. :	DRAWING NO.	REVISION NO. :
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REVISION NO.	DESCRIPTION	DATE	BY:	Andrew 25105									
REVISION NO.	DESCRIPTION	DATE	BY:	* PROFESSIONAL *		•••	thom	oson			LIGHTING & POWER	PLANS	
REVISION NO.	DESCRIPTION	DATE	BY:	ON SNGINE ST	2970 COTTAGE HILL ( MOBILE, ALABAMA 360	RD., STE. 190	ENGINEE		TEL: (251) 666–2443 FAX: (251) 666–6422				
REVISION NO.	DESCRIPTION	DATE	BY:	Tring W. Niss	SCALE:	PLOT SCALE:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE :	JOB NO. :	DRAWING NO.	REVISION NO. :
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			P	INEL	BOA	RD SO	JHE	DULE	-		
	MARK: PAN	NEL 2P									
СКТ	LOAD	BR	EAKER	PHASE (	kVA)	PHASE	E (kVA)	BREAKE	R	LOAD	CK
#	DESCRIPTION	Ρ	TRIP	A	В	А	В	TRIP	Ρ	DESCRIPTION	#
1	IWH-1	2	20	1.8		0.8		20	1	EUH-1	2
3	1000-1		20		1.8		0.2	20	1	WEATHERPROOF RECEPTACLE	4
5	IWH-2	2	20	1.8		1.5		20	2	GRINDER PUMP CONTROL PANEL	6
7	IVV <b>-</b> -2	2	20		1.8		1.5	20	2	GRINDER FUMP CONTROL PANEL	8
9	UTILITY CHASE RECEPTACLE	1	20	0.2		0.2		20	1	RESTROOM RECEPTACLE	10
11	UTILITY CHASE LIGHTING	1	20		0.1		0.2	20	1	RESTROOM RECEPTACLE	12
13	EF-1	1	20	0.2		0.2		20	1	RESTROOM LIGHTING	14
15	SPARE	1	20				0.2	20	1	RESTROOM LIGHTING	16
17	SPARE	1	20			0.2		20	1	ROOF STRUCTURE UPLIGHTING	18
19	SPARE	1	20				0.2	20	1	LIGHTING TIMECLOCK	20
21	SPARE	1	20					20	1	SPARE	22
23	SPARE	1	20					20	1	SPARE	24
25	SPARE	1	20					20	1	SPARE	26
27	SPARE	1	20				-	20	1	SPARE	28
29	SPARE	1	20	-		-		20	1	SPARE	30
				4.0	3.7	2.9	2.3				
	TOTAL (kV	A) ØA	6.9	ØB	6.0			HIGH PH	IASE	(AMPS) 57.5	
		TOTA	L CONNE	ECTED LC	AD (kVA)	. 12.9		TOTAL L	OAD	(AMPS) 62.0	
CREAT	E A DIRECTORY TO INDICATE INSTALLED LOAD	DS. INDI	CATE LOA	D TYPE (RE	C, LTG, AH	U-1, ETC.) A	ND ROOM	INUMBERS	SER\	/ED FOR EVERY BRANCH CIRCUIT.	

	PANELBOARD INFORMATION SCHEDULE															
MARK	ENCLOSURE	MOUNTING	VOLTAGE	Ø	WIRE	MAIN	IF MLO,	SERVICE	AVAILABLE	kAIC	Ø BUS	N BUS	F	EEDER		NOTES
	TYPE	STYLE				BKR	SERVING BKR	RATED	SCA**	RATING*	RATING (A)	RATING	CONDUCTORS	GROUND	CONDUIT	
2P	NEMA 1	SURFACE	120/240	1	3	200	N/A	YES	-	10	200	100%	3#3/0	NONE	2 1/2"C	1
NOTES	1. THE ELECT	RICAL CONTRA	ACTOR IS TO	) LAB	EL THE	SERVICE	ENTRANCE EQU	JIPMENT IN	ACCORDANC	E WITH THE	ENATIONAL EL	ECTRIC CC	DE 110.24.			
	ALL PANELBO	DARDS ARE TO	HAVE ARC H	FLAS	HWARN	ING LABE	L IN ACCORDAN	NCE WITH T	HE NATIONAL	ELECTRIC	CODE ARTICL	E 110.16.				
	ALL PANELBO	ANELBOARDS ARE TO HAVE COPPER BUS.														

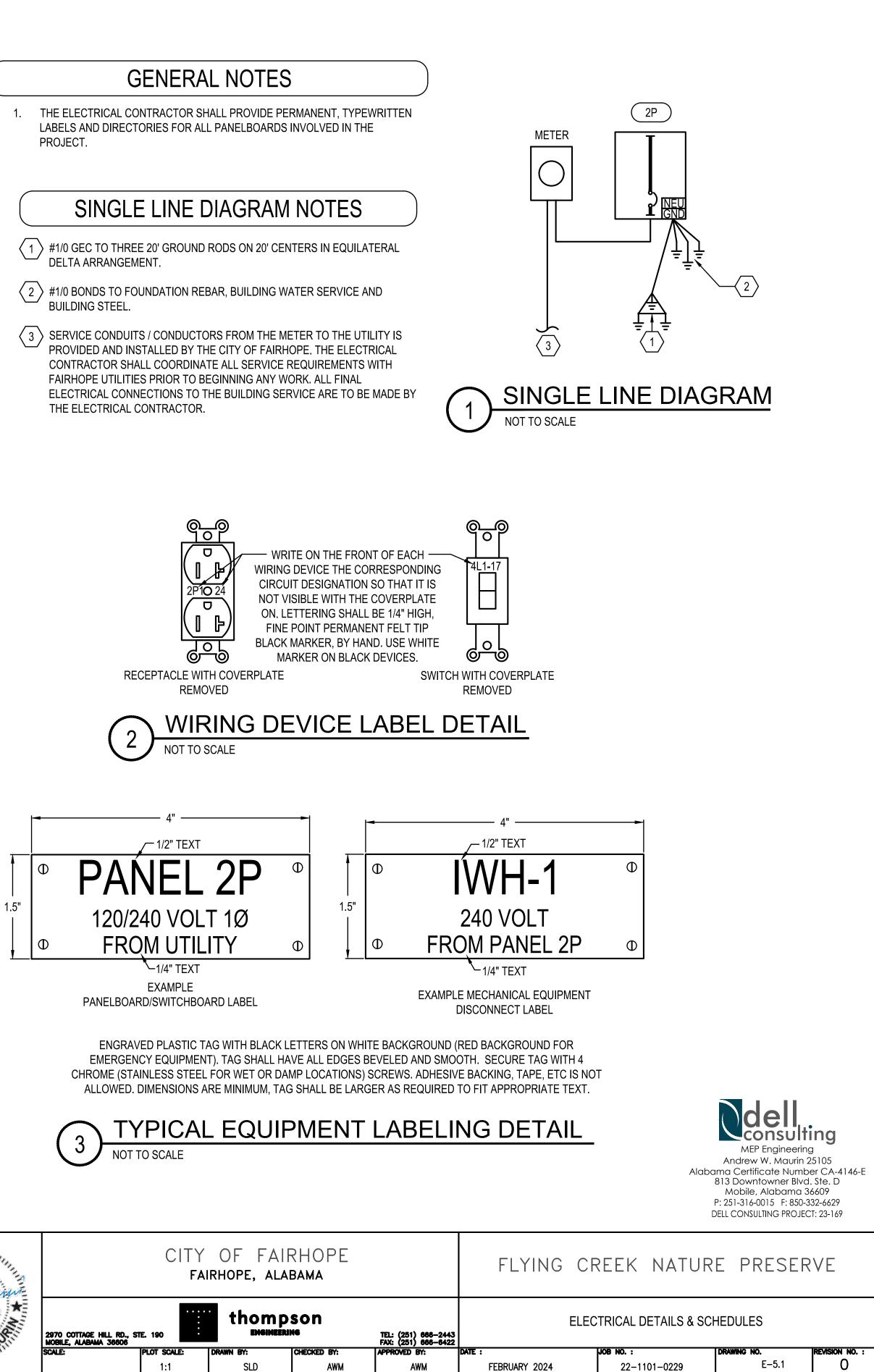
LIGHTING FIXTURE SCHEDU MANUFACTURER AND CATALOG NUMBER LAMPS TOTAL VOLTAGE MARK TYPE # WATTS WATTS KENALL LED 49 49 120 1 L MLHA5S B48 E48 R MW PP 45L35K DCC DV DL CMB D-0552 PINNACLE LED 39 MVOLT CW 38.8 1 MW HE 830VHO 4 WH U EE1 1 LITHONIA LIGHTING 39.5 MVOLT WL4 LED 39.5 1 WL4 40L EZ1 LP835 NOTES FIXTURES WITH HALF FILLED IN CENTERS ARE TO BE PROVIDED WITH EMERGENCY BALLAST, 1100 LUMEN CONFIRM FINAL FIXTURES SELECTION WITH THE ARCHITECT / OWNER PRIOR TO ORDERING. CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED MOUNTING HARDWARE AS REQUIRED TO OBTAIN

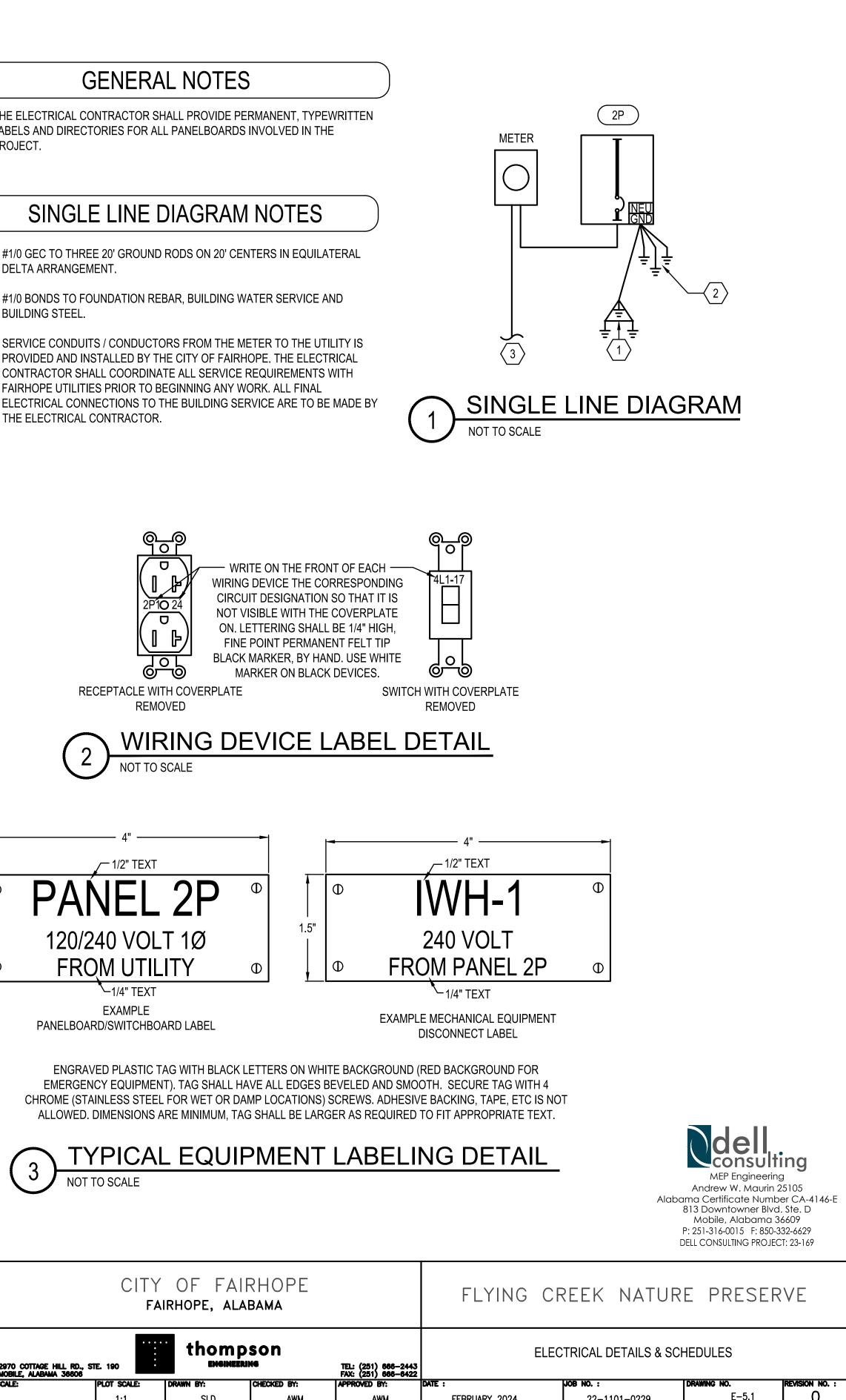
		MECHANI	CAL EQ	UIPMEN		CAL SCH	EDULE				
MARK	ITEM	VOLTAGE/Ø	MCA	LOAD	MEANS OF	C/B TRIP		CIRCUIT	-	SERVING	NOTES
			(AMPS)		DISCONNECT*	(AMPS)	Ø	GROUND	CONDUIT	PANEL	
IWH-1	INSTANTANEOUS WATER HEATER	240/1	18.8	3.6 kW	TSM	20	3#12	#12	3/4"C	2P	
IWH-2	INSTANTANEOUS WATER HEATER	240/1	18.8	3.6 kW	TSM	20	3#12	#12	3/4"C	2P	
NOTES	*N1=NEMA 1, N3R=NEMA 3R, SS=SAFETY SWI	TCH, FSS=FUSED SAFE	TY SWITCH, C/I	B=SERVING C/E	3, TS=MANUAL TOGGLE	SWITCH, TSM=M	OTOR RATED T	S			
	FOR FUSED SAFETY SWITCHES THE 1ST # IS FUSE SIZE, THE 2ND # IS FRAME SIZE (FOR EXAMPLE: 90/100/3 N1, FSS INDICTAES A 3 POLE 100A FUSED SAFETY SWITCH WITH 90A FUSES)										

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JLE	
MOUNTING	NOTES
WALL / CORNER	4' LOW PROFILE LINEAR LED FIXTURE
SURFACE / PARAPET WALL	4' ADJUSTABLE LINEAR COVE FIXTURE PROVIDE WITH FLUSH MOUNT
WALL	4' LED STRIP LIGHT FIXTURE
NS OR THE MAXI	MUM AVAILABLE FOR THE FIXTURE.
A FULLY FUNC	TIONAL LIGHTING SYSTEM

GENERAL NOTES
1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE PERM LABELS AND DIRECTORIES FOR ALL PANELBOARDS INV PROJECT.
SINGLE LINE DIAGRAM N
1 #1/0 GEC TO THREE 20' GROUND RODS ON 20' CENTE DELTA ARRANGEMENT.
2 #1/0 BONDS TO FOUNDATION REBAR, BUILDING WATE BUILDING STEEL.
3 SERVICE CONDUITS / CONDUCTORS FROM THE METE PROVIDED AND INSTALLED BY THE CITY OF FAIRHOP CONTRACTOR SHALL COORDINATE ALL SERVICE REC FAIRHOPE UTILITIES PRIOR TO BEGINNING ANY WOR ELECTRICAL CONNECTIONS TO THE BUILDING SERVIC THE ELECTRICAL CONTRACTOR.
VRITE VIRING DE CIRCUIT E NOT VISIE ON. LETT FINE PO BLACK MA MARK RECEPTACLE WITH COVERPLATE REMOVED
WIRING DE





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REVISION NO.	DESCRIPTION	DATE	BY:	ROFESSIONAL *			themes
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# GENERAL PLUMBING NOTES

- 1. THE CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM INTERFERENCE WITH OTHER TRADES.
- 2. VERIFY EXACT PLUMBING FIXTURE ROUGH-IN AND FINAL HVAC EQUIPMENT REQUIREMENTS IN THE FIELD.
- 3. DRAIN, WASTE, AND VENT PIPING AND FITTINGS SHALL BE SCHEDULE 40 POLY VINYL CHLORIDE (PVC) SYSTEM "ASTM D 2665". NO FOAM CORE SHALL PROVIDE ALL NECESSARY FITTINGS TO CONNECT NEW TO EXISTING PIPING.
- 4. DOMESTIC WATER PIPING SHALL BE ASTM B 88, TYPE K, WITH ANSI B16.18 OR ANSI B16.22 SOLDER JOINT FITTINGS USING SILVER SOLDER AND FLUX NOT MORE THAN 0.2 PERCENT LEAD; OR WITH ANSI B16.26 FLARED JOINT FITTINGS. ASTM B 88, TYPE L MAY BE PROVIDED FOR ABOVEGROUND PIPIN SERVICE ENTRANCE AT SLAB. SEAL AROUND PIPING WATER PROOF. AT CONTRACTOR'S OPTION, UPANOR PEX PIPING CAN BE USED WITH POLYMER SHARK BITE FITTINGS ARE ALLOWED.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, FURNISHING AND INSTALLING ALL TRAPS, DRAINS, AND SUPPLIES WITH STOPS. FURNISH AND INSTALL PLUMBING FIXTURES INDICATED OR SPECIFIED, COMPLETE WITH ALL EQUIPMENT, FITTINGS, TRIM AND ACCESSORIES INDICATED OR SPECIFIED. EXPOSED WATER PIPING TO FIXTURES SHALL BE CHROME-PLATED BRASS, IPS. ADJUST WATER FLOW THROUGH ALL FIXTURES TO PROVIDE PROPER FLUSHING ACTION WITH THE LEAST AMOUNT OF WATER.
- 6. COORDINATE ROUTING OF WATER SUPPLY, WASTE, AND VENT PIPING WITH OTHER TRADES.
- 7. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES ALL REQUIRED OPENINGS AND EXCAVATIONS.
- 8. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10 FEET FROM ANY OUTSIDE AIR INTAKE.
- 9. FLOOR CLEANOUTS SHALL BE ADJUSTABLE HEIGHT POLISHED BRONZE. NICKEL BRONZE WITH "CO" CAST IN THE FLOOR PLATE.
- 10. PROVIDE STOPS AND WATER HAMMER ARRESTORS IN ACCORDANCE WITH PDI AND ASSE 1010. AN ACCESS PANEL MUST BE INSTALLED IF WATER HAMMER ARRESTER IS LOCATED INSIDE A WALL OR ABOVE A HARD CEILING. COORDINATE OPENINGS WITH ARCHITECT.
- 11. PROVIDE DIELECTRIC UNIONS AT ALL DISSIMILAR METAL CONNECTIONS.
- 12. INSULATE ALL WATER PIPING. DOMESTIC WATER PIPE NOT EXPOSED TO VIEW SHALL BE INSULATED WITH 1" THICK GLASS FIBER WITH FACTORY APPLIED UNIVERSAL JACKET. DENSITY SHALL BE 4 POUNDS PER CUBIC FOOT. FITTINGS SHALL BE INSULATED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. INSULATION VAPOR BARRIER SHALL BE LAPPED AND CEMENTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. DOMESTIC WATER PIPE EXPOSED TO VIEW SHALL BE INSULATED SAME AS WHERE NOT EXPOSED TO VIEW, EXCEPT IT SHALL BE FINISHED WITH A SIZED UNIVERSAL JACKET SUITABLE FOR PAINTING. FITTING SHALL BE MADE OF "QUICKSET" CEMENT MOLDED TO FIT AND COVERED WITH 8 OZ. CANVAS AND FINISHED WITH WHITE VAPOR BARRIER CEMENT, AND HAVE PLASTIC MOLDED FITTING COVERS. INSULATE DOMESTIC WATER AND WASTE PIPING UNDER HANDICAP LAVATORIES AND SINKS USING "LAVGUARD2 E-Z SERIES" MOLDED VINYL PIPING COVERS. COVER ALL PIPING, FITTING, VALVES, AND TRAPS EXPOSED TO VIEW.
- 13. ROUTE ALL PIPING AS TO CAUSE MINIMAL INTERFERENCE FOR MAINTENANCE OF ALL EQUIPMENT. UNLESS OTHERWISE NOTED, ALL DOMESTIC WATER PIPING SHALL BE ROUTED WITHIN CHASE SPACE. PIPING BELOW SLAB SHALL BE WITHOUT JOINTS AND TEES. PIPING PASSING THRU WALLS EXTENDING TO BOTTOM OF STRUCTURE SHALL BE SLEEVED AND SEALED. ALL DOMESTIC WATER PIPING ROUTED EXPOSED BELOW 6'-8" ABOVE FINISH FLOOR SHALL BE PROVIDED WITH A PVC JACKET TO PREVENT DAMAGE TO THE PIPE.
- 14. PROVIDE SHUTOFF VALVE TO EACH SILLCOCK WITH VALVE IDENTIFICATION AS REQUIRED BY CODE.
- 15. BEFORE FINAL ACCEPTANCE OF THE WORK. TEST EACH SYSTEM AS IN SERVICE TO DEMONSTRATE COMPLIANCE WITH 2018 INTERNATIONAL PLUMBING CODE AND LOCAL CODE REQUIREMENTS, ONCE TEST ARE IN COMPLIANCE WITH CONTRACT REQUIREMENTS DISINFECT WATER SYSTEM IN ACCORDANCE WITH AWWA C651,
- 16. CONTRACTOR TO VERIFY ALL LOCATIONS OF ROOF PENETRATIONS WITH ARCHITECTURAL DRAWINGS.
- 17. PIPE HANGERS AND SUPPORTS SHALL BE MSS SP-58 AND MSS SP-69, TYPE 1 OR 6, OF THE ADJUSTABLE TYPE, EXCEPT AS INDICATED OTHERWISE. ATTACHMENTS TO STEEL W OR S BEAMS SHALL BE WITH TYPE 21, 28, 29, OR 30 CLAMPS. ATTACHMENTS TO STEEL ANGLES AND CHANNELS (WITH WEB VERTICAL) SHALL BE WITH TYPE 20 CLAMP WITH A BEAM CLAMP CHANNEL ADAPTER. ATTACHMENTS TO STEEL CHANNEL (WITH WEB HORIZONTAL) SHALL BE WITH DRILLED HOLE ON CENTERLINE AND DOUBLE NUT AND WASHER, ATTACHMENTS TO CONCRETE SHALL BE WITH TYPE 18 INSERT OR A DRILLED HOLE WITH EXPANSION ANCHOR. HANGER RODS AND ATTACHMENTS SHALL BE FULL SIZE OF THE HANGER-THREADED DIAMETER. PROVIDE TYPE 40 INSULATION PROTECTION SHIELDS FOR INSULATED PIPING. PROVIDE STEEL SUPPORT RODS. PROVIDE NONMETALLIC, HAIR FELT, OR PLASTIC PIPING ISOLATORS BETWEEN COPPER TUBING AND THE HANGERS.
- 18. LABEL ALL WATER SERVICE VALVES IN ACCORDANCE WITH APPLICABLE CODES
- 19. COORDINATE EXACT FLOOR DRAIN LOCATIONS ARCHITECTURAL DRAWINGS, SLOPE ENTIRE ROOM TO DRAINS.
- 20. ALL TRAP PRIMER VALVES NOT LOCATED IN NORMALLY UNOCCUPIED SPACES SHALL BE MOUNTED ABOVE THE CEILING AND PROVIDED WITH A LABEL ON THE CEILING GRID TO INDICATE THE TRAP PRIMER LOCATION. NO TRAP PRIMERS SHALL BE INSTALLED EXPOSED IN NORMALLY OCCUPIED SPACES.
- 21. ROUTE SANITARY PIPING AS HIGH AS POSSIBLE TO AVOID CONFLICT WITH FOOTERS AND TO MAINTAIN ABILITY TO GRAVITY DISCHARGE INTO CITY SEWER. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF THE NEW SANITARY SEWER LATERAL AND ENSURE WASTE PIPING IS INSTALLED TO PROVIDE A GRAVITY DISCHARGE INTO THE CITY MAIN.
- 22. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL ASSOCIATED WASTE AND WATER TAP FEES ASSOCIATED WITH THIS PROJECT. ALL FEES ARE TO BE INCLUDED IN THE CONSTRUCTION COST.
- 23. ALL WORK INSTALLED SHALL MEET THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION, THE 2018 INTERNATIONAL PLUMBING CODE AND THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE.

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L BE USED.	
CONTAINING NG. SLEEVE R FITTINGS. NO	

	ELECTRIC INSTANTANEOUS TANKLESS WATER SCHEDULE											
MARK IWH	MINIMUM EFFICIENCY	TEMPERATURE RISE	HEATING CAPACITY (KW)	Minimum Flow (GPM)	VOLTS	Hz	PHASE	BASIS OF DESIGN	NOTES			
1	0.9	49°F @ 0.5 GPM	3.6	0.3	240	60	1	EEMAX AM005240T	1, 2, 3, 4			
2	0.9	49°F @ 0.5 GPM	3.6	0.3	240	60	1	EEMAX AM005240T	1, 2, 3, 4			
NOTES												
1	COORDINATE	ALL ELECTRICAL RE	EQUIREMENT	S WITH THE	ELECTRIC/	AL CONTR/	ACTOR.					
2	INSTALL PER S	PECIFIC MANUFAC	TURERS REC	COMMENDAT	IONS.							
3	PROVIDE WITH INTEGRAL ASSE 1070 MIXING VALVE SET FOR 105°F.											
4								VATER HEATER. WATER FILTER TO RIOR TO FLOWING THROUGH WATE				

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WALL CLEANOUT

WCO

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REVISION NO.	DESCRIPTION	DATE	BY:	PROFESSIONAL *=	JEL: (251) 666-2443 FAX: (251) 666-6422 2970 COTTAGE HILL RD.	t	hompsoi	n
REVISION NO.	DESCRIPTION	DATE	BY:	TICA J SMITH	STE. 190 MOBILE, ALABAMA 36606		ENGINEERING	
REVISION NO.	DESCRIPTION	DATE	BY:	2/23/2024	SCALE:	PLOT SCALE:	DRAWN BY:	CHECKED BY:
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RE CONNECTION	FIXTU	/IBING	PLUN				
		CTIONS	CONNEC				MARK #
REMARKS	HW	CW	VENT	WASTE	BASIS OF DESIGN	FIXTURE TYPE	
VIT. CHINA, WHITE, 16-5/8" HIGI WHITE OPEN FRONT SEAT WIT HANDLE WITH TWO METAL WA INSTALL PER ADA REQUIREME	-	1"	1-1/2"	3"	KOHLER K-96057-SS SLOAN UPPERCUT WES 111	FLOOR MOUNTED FLUSH VALVE WATER CLOSET (HANDICAPPED)	P-1A
VITREOUS CHINA WALL HUNG OPERATED FAUCET, 17 GA. P-T RECOMMENDATIONS AND ADA	1/2"	1/2"	1-1/2"	1-1/2"	KOHLER K-1999-SS4 SLOAN EBF-85	LAVATORY (HANDICAPPED)	P-2A
OUTDOOR BI-LEVEL PEDESTAL DUTY VANDAL RESISTANT CON THE ARCHITECT. SUBMIT STAN RECOMMENDATIONS AND ADA	1/2"	1/2"	1-1/2"	1-1/2"	ELKAY LK4420DB	DRINKING FOUNTAIN (HANDICAPPED)	P-3
1/2 TURN, FREEZE PROOF, ENO WITH LOOSE KEY OPERATION	-	1/2"	-	-	ZURN 1305	FREEZE PROOF HOSE BIBB	FPHB
FLOOR DRAIN EQUAL TO ZURN GREEN DRAIN TRAP SEAL.	-	-	2"	3"	ZURN ZN-451	FLOOR DRAIN	FD
EXTERIOR CLEANOUT. INSTAL	-	-	-	۵"	ZURN Z-1400	EXTEROR CLEANOUT	ECO

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# N SCHEDULE

IIGH ELONGATED BOWL. TOP SPUD. FLOOR MOUNTED BOTTOM OUTLET 1.6 GPF FLUSH VALVE TYPE WITH VITHOUT COVER, BOLT CAPS, AND SLOAN WES 111 DUAL FLUSH VALVE WITH ANTIMICROBIAL GREEN FLUSH WALL PLATES WITH DUAL FLUSH OPERATION INSTRUCTIONS. FIXTURE EQUAL TO KOHLER K-96057-SS. MENTS.

G LAVATORY. PROVIDE WITH INTEGRAL BASIN AND TRAP SHROUD COVER, ADA BATTERY POWERED SENSOR P-TRAP, GRID DRAIN, FLEXIBLE SUPPLIES AND STOPS. INSTALL PER SPECIFIC MANUFACTURER'S DA REQUIREMENTS. COORDINATE FINAL INSTALLATION DIMENSIONS WITH ARCHITECTURAL PLANS. FAL FOUNTAIN WITH PET STATION, NON-FILTERED NON-REFRIGERATED. CONSTRUCTION SHALL BE HEAVY ONSTRUCTION WITH STAINLESS STEEL VANDAL RESISTANT BUBBLER. COLOR SHALL BE SELECTED BY ANDARD COLOR SELECTION CHART FOR APPROVAL. INSTALL PER SPECIFIC MANUFACTURER'S DA REQUIREMENTS.

ENCASED WALL HYDRANT WITH AUTOMATIC DRAINING, AND INTEGRAL VACUUM BREAKER. PROVIDE ON VALVE AND POLISHED BRONZE FACE.

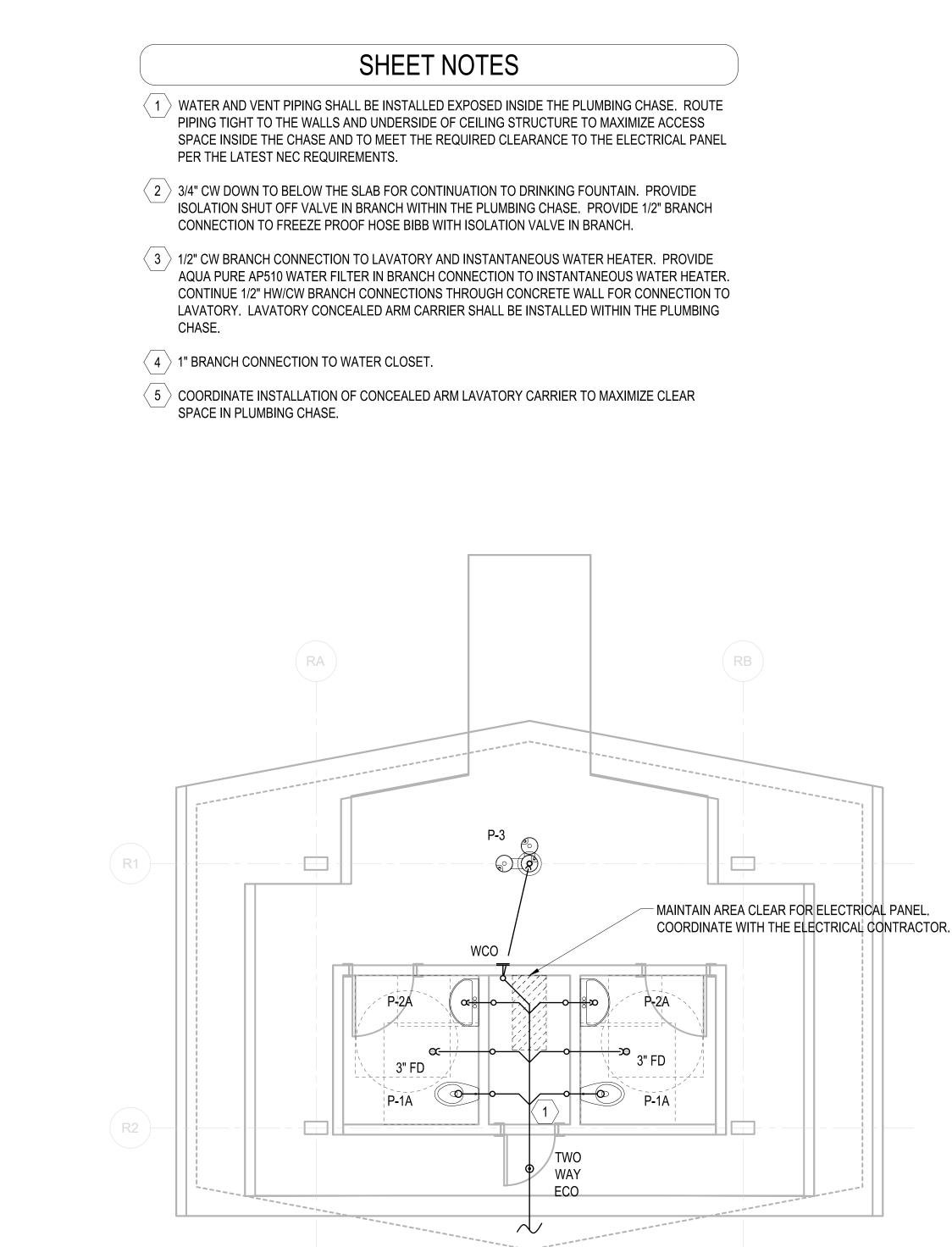
RN ZN-451 WITH BRASS GRATE STRAINER. PROVIDE AND INSTALL NEW BRASS GRATE. PROVIDE WITH

ALL WITH TOP FLUSH WITH ADJACENT GRADE. PROVIDE WITH PROTECTIVE CONCRETE RING.

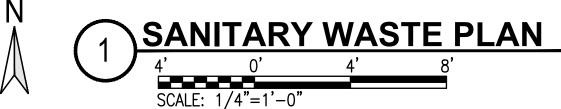
WALL CLEANOUT. INSTALL WITH STAINLESS STEEL WALL PLATE.



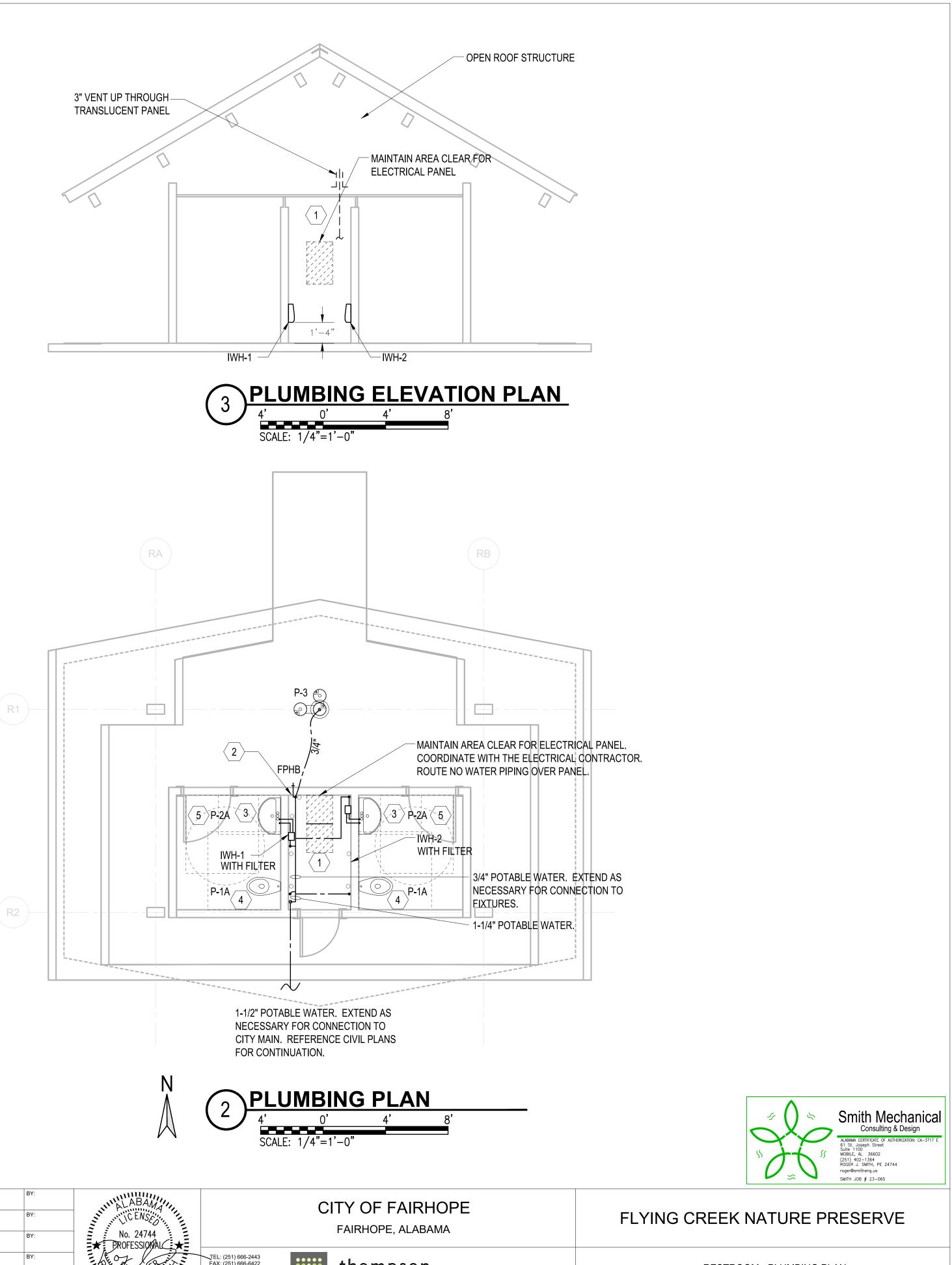
-	НОРЕ Зама		FLYING CREEK NATURE PRESERVE							
) <b>r</b>	า		RESTRO	DOM - PLUMBING SCHE	EDULES AND NOTES	i				
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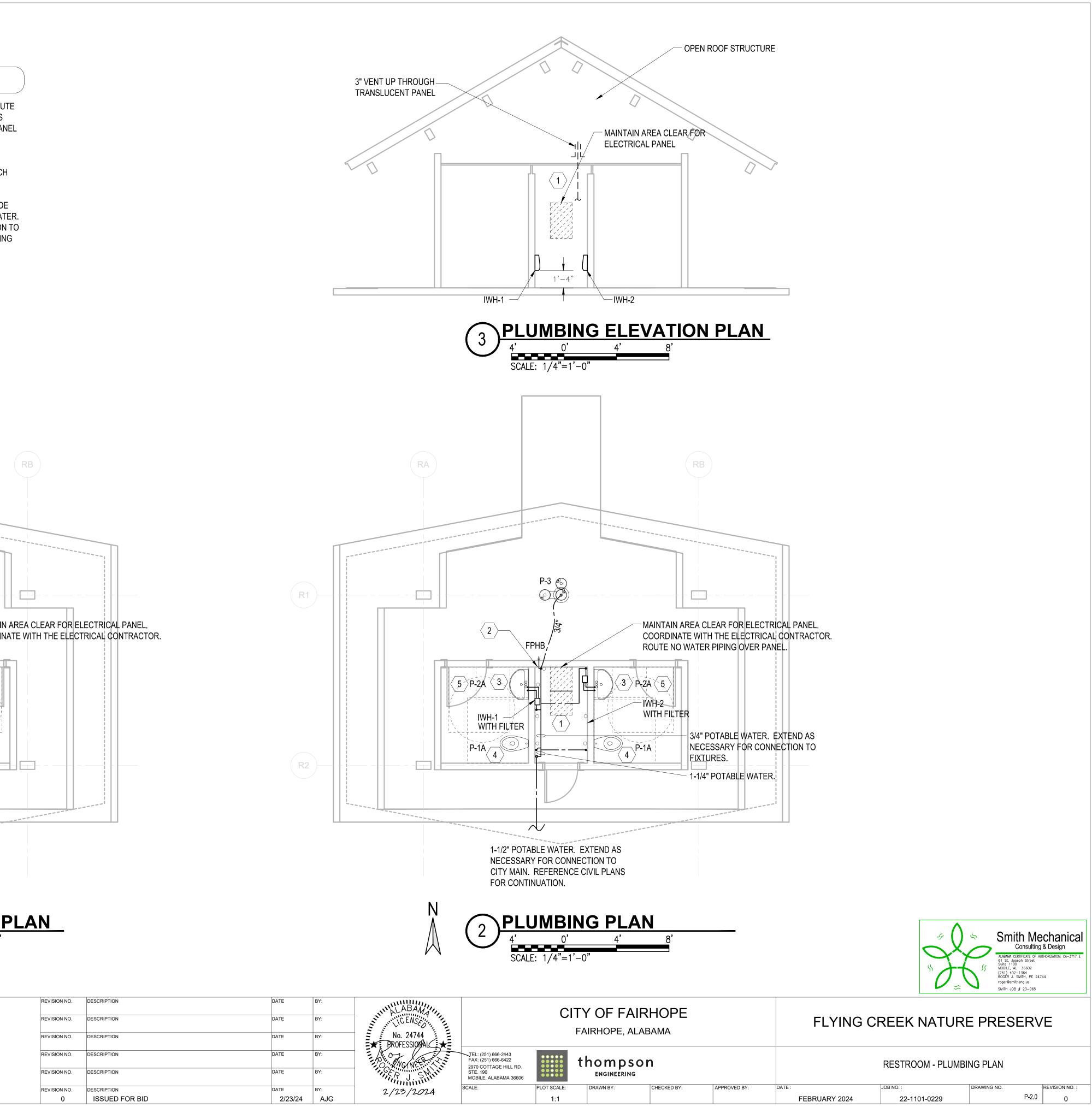
4" SANITARY WASTE. EXTEND AS NECESSARY FOR CONNECTION TO CITY MAIN. REFERENCE CIVIL PLANS FOR CONTINUATION.

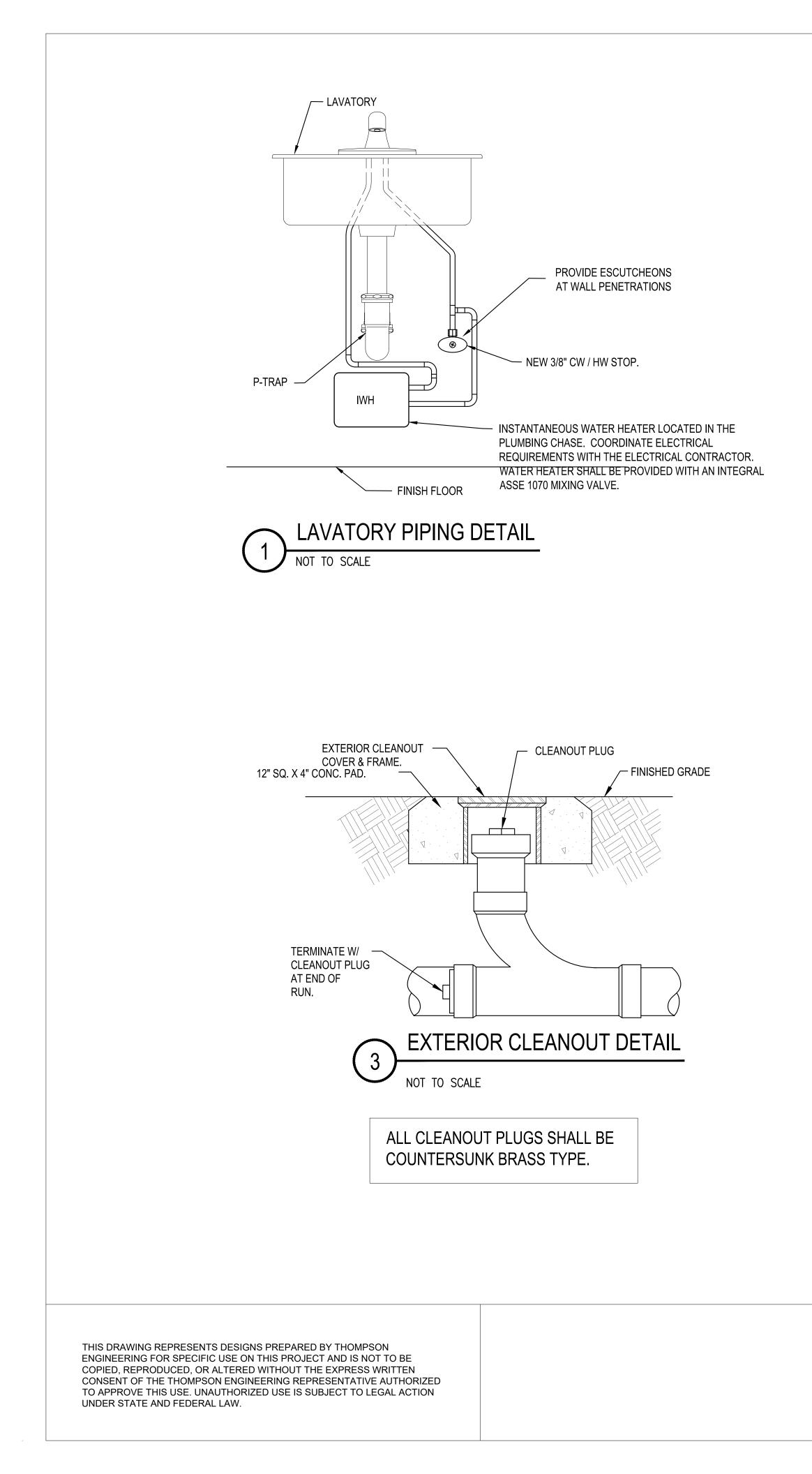


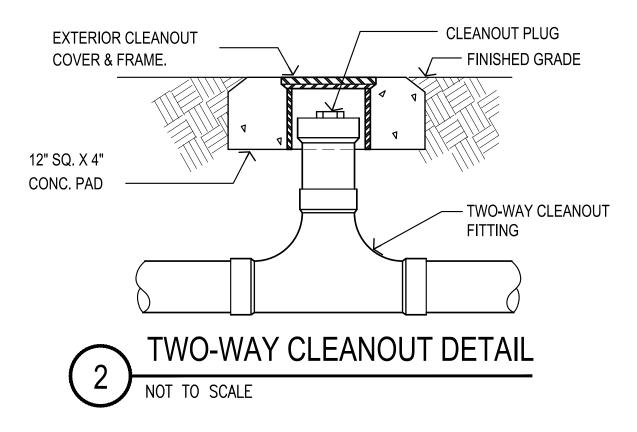
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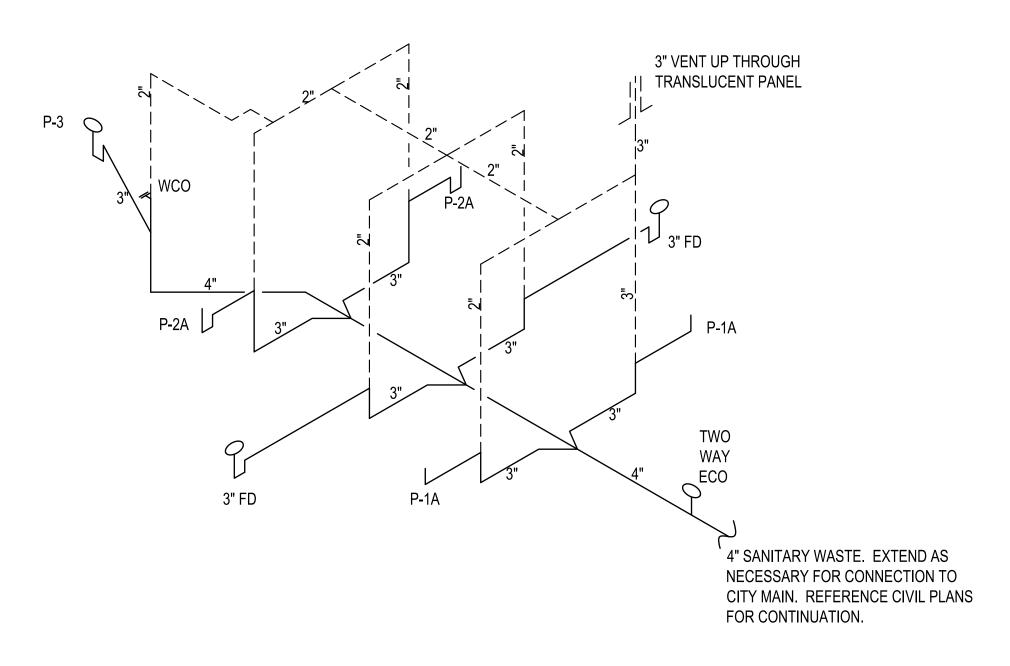


	IWH-1 - WITH FI P-1A 4				P-1/
	NEC CITY	" POTABLE ESSARY FC MAIN. REF CONTINUA	R CONNEC	TION TO	10 m ·
N ∭		<u>PLUN</u>	<u>1BIN</u>	<u>G PL/</u> 4'	71
$\mathbb{N}$	$\smile$	SCALE: 1	/4"=1'-0	<b>?</b> ?	











													SWITH JOB	# 23 003
REVISI	ION NO.	DESCRIPTION	DATE	BY:	LABAM	CITY OF FAIRHOPE								
REVISI	ION NO.	DESCRIPTION	DATE	BY:	LIN , WILL CENSE	CITT OF FAIRHOPE					FLYING CREEK NATURE PRESERVE			
					No. 24744	FAIRHOPE, ALABAMA								
REVISI	ION NO.	DESCRIPTION	DATE	BY:	PROFESSIONAL +									
REVISI	ION NO.	DESCRIPTION	DATE	BY:		TEL: (251) 666-2443 FAX: (251) 666-6422 2970 COTTAGE HILL RD. thompson				RESTROOM - PLUMBING DETAILS				
REVISI	ION NO.	DESCRIPTION	DATE	BY:	A Shine	2970 COTTAGE HILL RD. STE. 190 MOBILE, ALABAMA 36606								
REVISI	ION NO.	DESCRIPTION	DATE	BY:	2/23/2024	SCALE:	PLOT SCALE:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE :	JOB NO. :	DRAWING NO.	REVISION NO. :
	0	ISSUED FOR BID	2/23/24	AJG			1:1				FEBRUARY 2024	22-1101-0229		P-3.0 0

