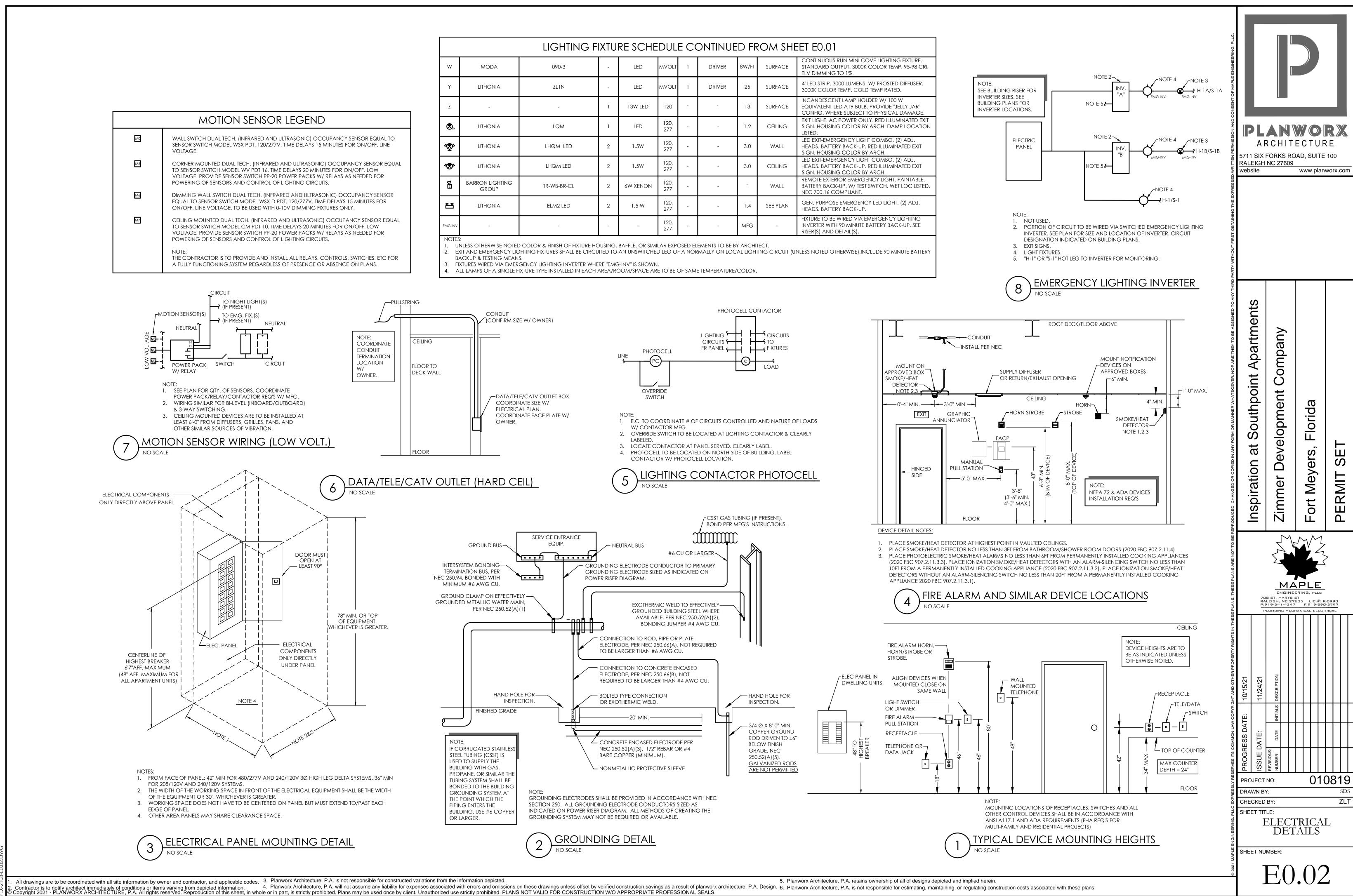
1.	GENERAL REQUIREMENTS: ELECTRICAL CONTRACTOR IS TO FURNISH AND PAY FOR ALL LABOR, MATERIAL, EQUIPMENT, PERMITS & FEES REQUIRED FOR THE COMPLETE INSTALLATION OF ALL SYSTEMS IN THIS SECTION OF WORK.		"IC RATED" AND "AIR TIGHT" MEETING THE REQUIREMENTS OF ASTME 283 AND 2020 FECC SEC. C402.5.8 FOR COMMERCIAL PROJECTS & R402.4.5 FOR RESIDENTIAL PROJECTS.	
2.	ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH NEC AND ALL OTHER APPLICABLE CODES. EC IS TO COORDINATE W/ G.C. IN REGARDS TO PROJECT TIMELINE, WORK HOURS, AS WELL AS ANY BONDING OR INSURANCE REQUIREMENTS.		ANY MULTI-WIRE BRANCH CIRCUITS ARE TO PROVIDED WITH MULTI-POLE BREAKERS. WIRING METHODS IN CORROSIVE ENVIRONMENT AREAS DESCRIBED IN NEC 680.14(A)	
3.	ALL ELECTRICAL & LIGHTING EQUIPMENT SHALL BE PROVIDED COMPLETE WITH ALL ACCESSORIES, HANGERS, SUPPORTS, CONTROLS, ETC FOR A FULLY FUNCTIONING SYSTEM REGARDLESS OF PRESENCE ON PLANS.		SHALL BE LISTED AND IDENTIFIED FOR USE IN SUCH AREAS. RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, RIGID POLYVINYL CHLORIDE CONDUIT, AND REINFORCED THERMOSETTING RESIN CONDUIT SHALL BE CONSIDERED TO BE RESISTANT TO THE CORROSIVE ENVIRONMENTS SPECIFIED IN NEC 680.14(A).	
4.	ALL EQUIPMENT, MATERIALS AND INSTALLATION SHALL BE GUARANTEED TO BE FREE OF DEFECTS FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF WORK OR IN ACCORDANCE WITH THE MANUFACTURER'S STANDARD GUARANTEE, IF LONGER.		ALL EXTERIOR EQUIPMENT, DEVICES AND MATERIALS SHALL BE INSTALLED, BRACED TO WITHSTAND A 160 MPH WIND.	
5.	EXISTING EQUIPMENT IS EXCLUDED FROM WARRANTY REQUIREMENT. THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL LOCATION AND ARRANGEMENT OF ALL MATERIALS AND EQUIPMENT. THE DRAWINGS SHALL BE	1V. 1.	COORDINATION: THE ELECTRICAL CONTRACTOR SHALL COORDINATE CLOSELY WITH ALL OTHER TRADES TO AVOID CONFLICT AND ENSURE OTHER TRADES PROVIDE MEASURES TO ACCOMMODATE ELECTRICAL WORK (I.E. ACCESS DOORS, SLAB/WALL/ROOF	
6.	FOLLOWED AS CLOSELY AS BUILDING CONSTRUCTION AND ALL OTHER WORK WILL PERMIT. DO NOT SCALE DRAWINGS FOR MEASUREMENT.	2.	OPENINGS, ETC). E.C. TO COORDINATE ELEVATION OF WALL MOUNTED LIGHTS (INTERIOR & EXTERIOR) W/ ARCHITECT/ARCH PLANS.	
7.	INFORMATION GIVEN IN SCHEDULES INCLUDES BOTH DESCRIPTION OF PRODUCT AND MANUFACTURER'S MODEL #. IF CONFLICT IS PRESENT BETWEEN DESCRIPTION AND	3.	E.C. TO COORDINATE W/ P.C. & M.C. REGARDING POWER AND FIRE ALARM CONNECTIONS TO MECHANICAL AND PLUMBING EQUIPMENT.	
	MODEL #, EQUIPMENT DESCRIPTION SHALL TAKE PRECEDENT. IN CASE OF CONFLICT BETWEEN THE PLANS AND NOTES/SPECIFICATIONS OR CONFLICT BETWEEN INFORMATION PRESENTED ON THE PLANS OR IN THE NOTES/SPECIFICATIONS, THEN THE MOST RESTRICTIVE SHALL TAKE PRECEDENT.	4.	E.C. TO VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF INCOMING ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START-UP. NOTIFY ENGINEER OF ANY CHANGES AS MAY BE REQUIRED.	
8.	BEFORE BID EC IS RESPONSIBLE FOR CLARIFYING W/ G.C. ANY CONFUSION IN REGARDS TO RESPONSIBILITY OF WORK TO BE PERFORMED OR MATERIALS TO BE	5.	E.C. TO VERIFY DEVICE PLATE COLOR AND MATERIAL WITH ARCHITECT PRIOR TO PURCHASE.	
	PROVIDED. THE SUBMITTAL OF THE BID BY THE CONTRACTOR WILL BE HELD AS PROOF THAT THE CONTRACTOR UNDERSTANDS THOROUGHLY AND COMPLETELY THE SCOPE OF THE WORK INVOLVED, AND HAS INCLUDED ON THE BID ALL THE NECESSARY ITEMS	۷.	EXECUTION: E.C. TO FOLLOW MANUFACTURER'S INSTRUCTIONS WHEN INSTALLING ELECTRICAL	
9.	TO CARRY OUT THIS SECTION OF WORK. AS SOON AS POSSIBLE (AND NOT MORE THAN 30 DAYS) AFTER CONTRACT IS SIGNED, THE EC SHALL PROVIDE SUBMITTALS OF EQUIPMENT HE/SHE INTENDS TO PURCHASE FOR		EQUIPMENT. ENSURE REQUIRED MAINTENANCE ACCESS AND CLEARANCES ARE MAINTAINED. IF CONFLICT EXISTS BETWEEN THESE PLANS AND MFG INSTRUCTIONS CONTACT ENGINEER.	
10	REVIEW AND COMMENT BY THE ENGINEER. ENGINEER IS TO APPROVE SUBMITTALS BEFORE EQUIPMENT IS ORDERED. ALL QUESTIONS MUST BE SUBMITTED IN RFI FORMAT TO THE ARCHITECT AND MUST BE	2.	E.C. IS TO ENSURE THAT THEIR INSTALLATION OF NEW CONDUITS, PIPES, DUCTWORK, AND SIMILAR DOES NOT BLOCK ACCESS TO NEW OR EXISTING AREA EQUIPMENT AND THAT THE FORE MENTIONED DOES NOT INTERFERE WITH THE REQUIRED SERVICE	
	ADDRESSED BY THE APPROPRIATE DESIGNER OF RECORD PRIOR TO BECOMING A PROPOSED CHANGE ORDER.		CLEARANCE OF NEW OR EXISTING EQUIPMENT. COORDINATE WITH OTHER TRADE CONTRACTORS AND CONTACT ENGINEER IF UNCERTAINTY EXISTS REGARDING EQUIPMENT SERVICE CLEARANCE REQUIREMENTS.	
11.	E.C. IS TO REVIEW COMPLETE DRAWING SET. E.C. IS RESPONSIBLE FOR WORK EXPLICITLY SHOWN AND WORK IMPLIED. UNLESS OTHERWISE NOTED FINAL ELECTRICAL CONNECTION TO ALL EQUIPMENT, FURNITURE (I.E. CUBICLES, WORKSTATIONS, ETC) IS THE RESPONSIBILITY OF THE E.C	3. 4	A COMPLETE GROUNDING SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ARTICLE 250 OF THE NEC, AND AS SHOWN ON THE DRAWINGS. PROVIDE A PULLWIRE IN ALL EMPTY CONDUITS.	ſ
II. 1.	DIVISION OF WORK: ALL ROOF WORK INCLUDING PENETRATIONS, OPENINGS, FLASHING, CURB INSTALLS, ETC ARE TO BE PERFORMED BY ROOFING CONTRACTOR. E.C. RESPONSIBLE FOR		PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION OF AND TYPE OF LOAD BEING SERVED FOR ALL CIRCUITS. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANELBOARDS AND DISCONNECT	
2.	PROVIDING ANY ROOF CURBS, EQUIPMENT RAILS, VENTS, ETC AND COMMUNICATING ALL REQ'S WITH G.C. & ROOFING CONTRACTOR. ALL LOW VOLTAGE WIRING RELATED TO MECHANICAL EQUIPMENT AND SYSTEMS IS THE	6.	ALL PENETRATIONS THROUGH EXTERIOR WALLS & ROOF SHALL BE FLASHED & COUNTER-FLASHED IN A WATERPROOF MANNER.	
∠.	RESPONSIBILITY OF THE MECHANICAL CONTRACTOR (ANY LOW VOLTAGE FIRE ALARM WIRING TO BE BY E.C.). ALL HIGH VOLTAGE CONNECTIONS TO MECHANICAL EQUIPMENT, TO BE PROVIDED AND INSTALLED BY E.C. (SEE EQUIPMENT SCHEDULE FOR	7.	SEAL ALL PENETRATIONS OF SMOKE PARTITIONS OR FIRE RATED WALLS, CEILING, FLOORS IN ACCORDANCE W/ APPROPRIATE U.L. PENETRATION DETAIL AND FLORIDA	
3.	DISCONNECT RESPONSIBILITY). G.C. TO BE RESPONSIBLE FOR PROVIDING AND INSTALLING ANY ACCESS DOORS (WALL, FLOOR, CEILING) RELATED TO ELECTRICAL SYSTEM. E.C. RESPONSIBLE FOR	8.	BUILDING CODE. PENETRATIONS OF NON-RATED WALLS, PARTITIONS AND FLOOR OF COMBUSTIBLE CONSTRUCTION SHALL BE FIRESTOPPED WITH MATERIALS EQUIVALENT TO TWO INCHES	
4.	COMMUNICATING TO G.C. SIZE AND LOCATION OF REQ'D ACCESS DOOR(S). ELECTRICAL CONTRACTOR IS TO EMPLOY THE SERVICES OF THE G.C. FOR CUTTING AND PATCHING OF WALLS, FLOORS & CEILINGS RELATED TO THE INSTALLATION OF	9.	OF WOOD. FIRESTOPPING SHALL COMPLY WITH ASTM E-814. ANY NOTCHING, DRILLING, BORING OR OTHER ALTERATION TO BUILDING STRUCTURE SHALL BE PERFORMED IN A CODE APPROVED METHOD AND NOT THREATEN THE	
5.	ELECTRICAL EQUIPMENT & SYSTEMS. G.C. RESPONSIBLE FOR PAINTING OF ANY EXPOSED CONDUIT, WIRE, BOXES ETC. E.C. RESPONSIBLE FOR CLEANING AND PREPARING ITEMS FOR PAINT, COORDINATE W/	10.	INTEGRITY OF THE BUILDING STRUCTURE. SUPPORT ALL CONDUIT AND EQUIPMENT IN ACCORDANCE W/ NEC. ANY SUSPENDED MATERIALS SHALL BE DIRECTLY SUPPORTED BY THE BUILDING STRUCTURE. DO NOT	
6.	G.C. G.C. TO BE RESPONSIBLE FOR PROVIDING AND INSTALLING ANY ACCESS PLATFORMS, GUARD RAILS, LADDERS, CONCRETE PADS. E.C. TO COMMUNICATE REQ'S TO G.C.	11.	ATTACH ANYTHING TO THE ROOF DECK. PENETRATIONS OF ALL EXTERIOR WALLS, FLOORS AND CEILINGS SHALL BE SEALED IN AN AIR TIGHT MANNER AND IN ACCORDANCE W/ 2020 FECC C402.5.1.1 FOR	
7.	E.C. TO COORDINATE W/ G.C. PRIOR TO BID REGARDING HIRING OF FIRE ALARM, DATA/TELE & SECURITY SUB-CONTRACTORS (IF APPLICABLE).	12.	COMMERCIAL PROJECTS & R402.4.1 FOR RESIDENTIAL PROJECTS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ELECTRICAL EQUIPMENT FROM FOREIGN MATERIAL DURING CONSTRUCTION (PAINT,	
 . 1.	ALL MATERIAL, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL CONFORM TO THE STANDARDS OF THE UNDERWRITER'S		SPACKLE, ETC.). UPON COMPLETION OF WORK THE ELECTRICAL CONTRACTOR SHALL CLEAN, WASH, ETC ALL ITEMS AND EQUIPMENT WITHIN HIS SCOPE OF WORK AND LEAVE ALL ITEMS BRIGHT AND CLEAN.	ľ
2.	LABORATORIES, INC., AND THE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION. MECHANICAL CLOSETS IN SOME UNIT TYPES ARE RETURN PLENUMS. ALL MATERIALS	13.	UNLESS OTHERWISE INDICATED THE ELECTRICAL CONTRACTOR AT HIS/HER DISCRETION MAY COMBINE MULTIPLE CIRCUITS INTO A SINGLE CONDUIT AND DE-RATE WIRE. COMBINING AND DE-RATING IS TO BE DONE IN STRICT ACCORDANCE W/ NEC.	
	INSTALLED IN RETURN PLENUM ARE TO BE PLENUM RATED. PROVIDE HANGERS & SUPPORTS APPROVED FOR USE BY NEC.	14.	DEVICES INCLUDING GFCI PROTECTION MUST HAVE THEIR TESTING MEANS READILY ACCESSIBLE. PROVIDE REMOTE TESTING MEANS OR GFCI BREAKER FOR GFCI RECEPTACLES AND SIMILAR DEVICES WHICH ARE NOT READILY ACCESSIBLE (I.E. BEHIND EQUIPMENT, AT CEILING, ETC). (NEC 210.8).	
4. 5.	ALL FIRE SEALANTS TO BE U.L. LISTED AND APPROVED FOR USE W/ APPROPRIATE U.L. PENETRATION DETAIL. ELECTRICAL BOXES IN RATED WALLS MUST BE METAL OR LISTED FOR USE IN RATED	15.	COORDINATE WITH THE CABLE TV AND TELEPHONE UTILITIES FOR SERVICE ENTRANCE AND CABLING REQUIREMENTS PRIOR TO ANY PURCHASING. INSTALLATION MUST	
	WALLS. ONLY SINGLE AND DOUBLE GANG BOXES ARE TO BE USED IN RATED WALLS. LARGER BOXES ARE NOT ALLOWED AS THEY EXCEED THE 16 SQUARE INCH MAXIMUM BOX OPENING ALLOWED IN RATED WALLS PER NEC 300.21	16.	COMPLY WITH THEIR RESPECTIVE REGULATIONS AND REQUIREMENTS. ALL EXIT & EMERGENCY LIGHTS ARE TO BE CIRCUITED TO UN-SWITCHED LEG OF LOCAL NORMALLY ON LIGHTING CIRCUIT.	
6.	CONDUCTORS SHALL BE COPPER RATED AT NOT LESS THAN 600 VOLTS.MINIMUM SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #8 AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS #10 AND SMALLER MAY BE SOLID OR STRANDED, UNLESS OTHERWISE NOTED. CONDUCTOR INSULATION SHALL BE	17.	RECEPTACLE, LIGHT SWITCHES AND OTHER CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE W/ ANSI A117.1 AND ADA REQ'S CONCERNING HEIGHT AND ACCESSIBILITY. FHA REQ'S TO BE FOLLOWED FOR MULTI-FAMILY AND RESIDENTIAL	
7	TYPE THHN UNLESS OTHERWISE NOTED. ALL EXTERIOR CABLE OR OTHER WIRE EXPOSED TO SUNLIGHT SHALL BE RATED FOR EXTERIOR USE & SUNLIGHT RESISTANT.	18.	PROJECTS. E.C. IS TO CONFIRM EXACT ELECTRICAL NAMEPLATE DATA OF ALL PLUMBING, MECHANICAL AND ELECTRICAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO, MCA,	
· ·	CONDUIT, OR EMT, EXCEPT AS ALLOWED BELOW. EMT SHALL NOT BE USED IN OR UNDER CONCRETE SLABS, OR IN MASONRY WALLS. USE SCHEDULE 40 PVC OUTDOORS WHERE NOT SUBJECT TO PHYSICAL DAMAGE OR BELOW FLOOR SLAB. PVC NOT TO BE	19.	MOCP, VOLTAGE & PHASE BEFORE BEGINNING WORK. CEILING MOUNTED ELECTRICAL FIXTURES SHALL BE A MINIMUM OF 80 INCHES ABOVE THE FINISHED FLOOR UNLESS ABOVE COUNTERTOPS OR SIMILAR FIXED OBSTRUCTIONS.	
	USED IN PATIENT CARE AREAS. MINIMUM CONDUIT SIZE TO BE 1/2". TYPE MC AND AC CABLE MAY BE USED WHERE PERMISSIBLE BY NEC. FLEXIBLE CONDUIT SHALL BE USED FOR CONNECTIONS TO VIBRATING EQUIPMENT AND LUMINAIRES, BUT SHALL NOT EXCEED 6' IN LENGTH. NM & SER CABLE MAY BE USED IN CONSTRUCTION TYPES AND	20.	E.C. TO IDENTIFY AND PERMANENTLY MARK BOXES, ENCLOSURES, EXPOSED CABLE, AND RACEWAY SYSTEMS SERVING EMERGENCY SYSTEMS IN ACCORDANCE TO NEC 700.10. E.C. TO ALSO PROVIDE CLEARLY IDENTIFIED LABEL OF EMERGENCY BRANCH	
_	OCCUPANCIES ALLOWED BY NEC. NO NM OR SER CABLE MAY BE INSTALLED EXPOSED. ALL NM AND SER CABLE SHOULD BE PROTECTED FROM PHYSICAL DAMAGE AND INSTALLED IN ACCORDANCE WITH NEC 310.	21.	CIRCUIT AT PANEL (NEC 700.12(F)(2)(4)). ALL WORK IN/THROUGH REQUIRED FIRE RATED WALLS, BARRIERS, AND PARTITIONS SHALL COMPLY WITH 2020 FBC/IBC SEC 714. OPENINGS FOR INSTALLATION OF BOXES	
8.	METAL CONDUIT COUPLINGS TO BE COMPRESSION TYPE OR THREADED WHEN ACCESSIBLE TO BUILDING OCCUPANTS. METAL COUNDUIT COUPLINGS MAY BE SET-SCREW TYPE WHEN CONCEALED IN BUILDING STRUCTURE OR LOCATED MORE THAN 10' AFF. PLASTIC CONDUIT COUPLINGS TO BE SOCKET GLUED TYPE.	00	THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY U.L. AND 2020 FBC/IBC SEC 714. BACK-TO-BACK BOXES IN 1 OR 2 HOUR RATED WALLS WITHIN 24" OF EACH OTHER	
9.	FUSES 0 - 600 AMPS SHALL BE UL CLASS "RK-1" LOW PEAK DUAL ELEMENT TIME DELAY WITH 200,000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSSMANN, UNLESS NOTED OTHERWISE.		SHALL BE PROTECTED BY (1) OF THE FOLLOWING, OR EQUAL: METACAULK BOX GUARD (METAL BOXES ONLY), METACAULK COVER GUARD, OR METACAULK PUTTY PADS.	ŀ
10.	ALL TERMINALS/LUGS SHALL BE 60/75° RATED. ALL TERMINALS, SPLICING CONNECTORS, LUGS, ETC SHALL BE IDENTIFIED FOR USE WITH THE MATERIAL (CU/AL) OF THE CONDUCTOR AND SHALL BE PROPERLY INSTALLED.		CEILING MOUNTED OCCUPANCY SENSORS ARE TO BE MOUNTED AT LEAST 6'-0" FROM DIFFUSERS, GRILLES, FANS, AND OTHER SIMILAR SOURCES OF VIBRATION. COORDINATE INSTALLATION LOCATIONS WITH M.C	
11.	RECEPTACLES IN COMMERCIAL AREAS SHALL BE 20 AMP COMMERCIAL SPECIFICATION GRADE EQUAL TO HUBBELL SERIES. GROUND FAULT RECEPTACLES SHALL BE EQUAL TO		E.C. TO UPSIZE ANY WIRE RUNS EXCEEDING 65 OR 120 FEET DEPENDING ON LOAD. SEE VOLTAGE DROP SCHEDULE FOR 120V BRANCH CIRCUITS WITH LOADS UP TO 16A LOCATED ON SHEET E6.01.	
	COOPER VGF SERIES. IN RESIDENTIAL UNITS ALL RECEPTACLES ON 20 AMP CIRCUITS SHALL BE 20 AMP. ALL 15A/20A 120V RECEPTACLES IN RESIDENTIAL UNITS SHALL BE TAMPER PROOF, EQUAL TO COOPER TR SERIES. ALL RECEPTACLES IN PEDIATRIC CARE AREAS SHALL BE TAMPER RESISTANT TYPE EQUAL TO COOPER TR SERIES AS REQUIRED BY	25.	E.C. TO FOLLOW MAX DISTANCE APARTMENT FEEDER CHART LOCATED ON RISER SHEET FOR APARTMENT UNITS. E.C. TO COORDINATE MAXIMUM PANEL LUG SIZE AND MAXIMUM METER CENTER BREAKER LUG SIZE IF FEEDER IS UPSIZED.	
12.	NEC 517.18(C). LIGHTING SWITCHES IN COMMERCIAL AREAS SHALL BE 20 AMP COMMERCIAL SPECIFICATION GRADE EQUAL TO HUBBELL SERIES. LIGHT SWITCHES IN RESIDENTIAL	26.	BUILDING SYSTEMS TO BE COMMISSIONED IN ACCORDANCE WITH 2020 FECC SECTION C408. SEE NOTES SHEET E003.	
13.	UNITS SHALL BE 15 AMP. ALL EXTERIOR FIXTURES AND DEVICES SHALL BE RATED FOR OPERATION AT 42° F AND SHALL BE DAMP OR WET LABELED AS REQUIRED.			

				LIGHTIN	G FI	XTUR	e sche	DULE				ELECTRICAL SYMBOL LEGEND	Т.	_	_	_	
ARK	MANUF.	CATALOG NUMBER	L/ NO.	AMP DATA	VOLTS	BAL	LAST DATA TYPE	INPUT	MOUNTING	DESCRIPTION		CIRCUIT CONDUCTORS CONCEALED IN FLOOR, WALL OR CEILING.					
5L	-	-	- -	LED	120	NO. 1	DRIVER	15	SURFACE	EXTERIOR RATED DOME LIGHT. SELECTED BY OTHERS. PROVIDED & INSTALLED BY E.C INCLUDE \$100/FIXTURE ALLOWANCE IN BID. 3000K. 1000 LUMENS.		ARROWHEAD INDICATES HOMERUN TO PANEL NOTED.	ERING, PLLC	L			
A	WAC LIGHTING	R4SD1L-W927-WT	-	LED	120	-	DRIVER	23	RECESSED	4.5" SQUARE LED DOWNLIGHT. 1006 LUMENS. 90 CRI. 2700K. ELV DIM TO 5%. WHITE FINISH. IC RATED.	/	INDICATES HOT LEG OF CIRCUIT TO BE CARRIED OVER TO NEXT DEVICE. SEE PLANS FOR CONTROL SCHEME.	ENGINEE				- 11
CB	LITHONIA	4JBK RD	-	LED	120	-	_	9	RECESSED	R4SNL NEW CONSTRUCTION HOUSING. 4" RECESSED DOWNLIGHT. 695 LUMENS. 2700K COLOR TEMP. 90 CRI. MATTE WHITE FINISH. IC RATED.	0	JUNCTION BOX CEILING MOUNTED. JUNCTION BOX FLOOR MOUNTED.	F MAPLE				
C	ALLIED MAKER	CEI-072	2	LED G8 BI-PIN	120			10	SUSPENDED	WET LOCATION LISTED. BRASS T2 FIXTURE. 96" LENGTH, 18" DROP. (2) 4.5W G8 LED BULBS PROVIDED WITH FIXTURE. 2700K	Ю	JUNCTION BOX WALL MOUNTED AT HEIGHT INDICATED ON DRAWINGS.	NSENT O	_			
				T6 E12 LED						COLOR TEMP. "MCCLAIN" 30" PICTURE LIGHT. BRONZE FINISH.	\$	SINGLE POLE SWITCH, 20A, 120/277 VOLT, 48" A.F.F. TO CENTER. "3" INDICATES 3-WAY SWITCH. "4" INDICATES 4-WAY SWITCH.	AND COI				
D	CIRCA LIGHTING	SP-2603BZ	4	CANDELABRA	120	-	-	10	WALL	PROVIDE (4) 25W EQUIVALENT T6 E12 LED DIMMABLE BULBS. 2700K COLOR TEMP. VERNER PANTON VP7 FLOWERPOT PENDANT. FINISH		"D" INDICATES DIMMER SWITCH OF TYPE TO SUIT LOAD. "M" INDICATES 120V, 20A MOTOR RATED TOGGLE SWITCH. "DP" INDICATES DOUBLE POLE	MISSION		AN CHITE		
Έ	DANISH DESIGN STORE	VP7	1	E27 LED	120	-	-	15	SUSPENDED	SELECTED BY OTHERS. PROVIDE (1) 100W EQUIVALENT E27 LED DIMMABLE LED BULB. CUSTOM "DOME ROPE PENDANT". COORDINATE	S	INDICATES FLUORESCENT FIXTURES DUAL SWITCHED, INBOARD/OUTBOARD SWITCHED SEPARATELY.		1 SIX F	ORKS RO		
CF	-	-	4	-	120	-	-	100 MAX	SUSPENDED	OUTDOOR CEILING FAN. SELECTED BY OTHERS.	Φ	SINGLE RECEPTACLE, 20 AMP, 120 VOLT, 18" A.F.F. TO CENTER.		osite		www.plany	worx.com
CG	-	-	-	-	120	-	-	100 MAX	SURFACE	PROVIDED AND INSTALLED BY E.C., INCLUDE \$200/FIXTURE MAT'L ALLOWANCE IN BID.	ŧ	DUPLEX RECEPTACLE, 20 AMP (15 AMP RESIDENTIAL, UON), 120 VOLT, 18" A.F.F. TO CENTER. "GFI" INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE. "WP" INDICATES WEATHERPROOF.	EXPRES				
Η	MENU	1231539U	1	G9 LED	120	-	-	5	SUSPENDED	CAST PENDANT SHAPE 3. BLACK FINISH. (1) G9 LED BULB INCLUDED. 2900K COLOR TEMP.		"EWC" INDICATES WEATHERFROOF. "EWC" INDICATES RECEPTACLE INSIDE ENCLOSURE OF ELECTRIC WATER COOLER PROVIDE GFI BREAKER FOR CIRCUIT. "ASW" INDICATES ABOVE SHOW WINDOW, PER NEC SHOW WINDOW REQ'S.	INING THE				
CI	FLOS	0090 05	5	LED	120	-	-	80	SUSPENDED	AIM LED PENDANT LIGHT. SET OF (5) WITH MULTICANOPY. HARDWIRED. FINISH SELECTED BY OTHERS.	#	QUADRUPLEX RECEPTACLE, AS ABOVE, 18" A.F.F.	RST OBTA				
;J	BONE SIMPLE	-	1	E26 LED	120	-	-	20 MAX	SUSPENDED	CUSTOM "CAPPED DOME PENDANT. COORDINATE WITH ARCH/INTERIOR DESIGNER.	- ₽ -₽	DUPLEX RECEPTACLE, AS ABOVE, SPLIT WIRED, TOP HALF SWITCHED, 18" A.F.F. DUPLEX RECEPTACLE, AS ABOVE, MOUNTED 6" ABOVE COUNTER TOP OR 4" ABOVE	THOUT FIF				
:K	JUNIPER	-	-	LED	120	-	-	54	SUSPENDED	METROPOLIS SUSPENSION. 6100 LUMENS. 2700K COLOR TEMP. 95+ CRI. 0-10V DIMMING.	- ₽	BACKSPLASH, AS APPROPRIATE, OR AT HEIGHT INDICATED.	LIW YTAA				
CL	Danish design Store	-	1	E26 LED	120	-	-	12	SUSPENDED	GUBI RONDE PENDANT, SMALL. PROVIDE (1) 60W EQUIVALENT E26 LED DIMMABLE BULB. 2700 COLOR TEMP. FINISH SELECTED BY OTHERS.		BACKSPLASH, AS APPROPRIATE, OR AT HEIGHT INDICATED, WITH GFI PROTECTION. RECESSED FLUSH FLOOR DUPLEX RECEPTACLE WITH BRASS COVERPLATE. COORDINATE	IY THIRD F			1	
м	FERM LIVING	-	1	E26 LED	120	-	-	12	SUSPENDED	SOCKET PENDANT HIGH, LIGHT GRAY COLLECT RING, BLACK/DISK SHADE, CASHMERE. PROVIDE (1) 60W	⊒	EXACT FINISH WITH ARCHITECT AND OWNER.	ED TO AN	nts			
:N	FERM LIVING	-	1	E26 LED	120	-	-	12	SUSPENDED	EQUIVALENT LED DIMMABLE E26 BULB. 2700K CCT. SOCKET PENDANT HIGH, LIGHT GRAY COLLECT RING, BLACK/RECORD SHADE, CASHMERE. PROVIDE (1) 60W EQUIVALENT LED DIMMABLE E26 BULB. 2700K CCT.	▼	TELEPHONE/DATA OUTLET, 18" A.F.F. TO CENTER OR ALIGN MOUNTING HEIGHT WITH ADJACENT DEVICE, UNLESS OTHERWISE NOTED. COORDINATE EXACT DEVICE TYPE AND	3E ASSIGN	tmer	\mathbf{r}		
0	FERM LIVING	-	1	E26 LED	120	-	-	12	SUSPENDED	SOCKET PENDANT HIGH, LIGHT GRAY COLLECT RING, BLACK/ANGLED SHADE, LIGHT GRAY. PROVIDE (1) 60W EQUIVALENT LED DIMMABLE E26 BULB. 2700K CCT.	Þ	REQUIRED FACEPLATE W/ OWNER/TENANT. DATA OUTLET, 18" A.F.F. TO CENTER OR ALIGN MOUNTING HEIGHT WITH ADJACENT DEVICE,	тнеу то в	ูล	pan		
P	FERM LIVING	-	1	E26 LED	120	-	-	12	SUSPENDED	SOCKET PENDANT HIGH, LIGHT GRAY COLLECT RING, BLACK/DOME SHADE, CASHMERE. PROVIDE (1) 60W EQUIVALENT LED DIMMABLE E26 BULB, 2700K CCT.	G	UNLESS OTHERWISE NOTED. COORDINATE EXACT DEVICE TYPE AND REQUIRED FACEPLATE W/ OWNER/TENANT.	NOR ARE	Ap	luo		
Q	FERM LIVING	-	1	E26 LED	120	-	-	12	SUSPENDED	SOCKET PENDANT HIGH, LIGHT GRAY COLLECT RING. PROVIDE (1) 60W EQUIVALENT LED DIMMABLE E26 BULB. 2700K CCT. SHADE SHAPE AND COLOR BY OTHERS.	30/3/FPN	HEAVY DUTY FUSIBLE/NON-FUSIBLE DISCONNECT SWITCH, NUMBERS INDICATE FRAME SIZE, NUMBER OF POLES AND FUSING. PROVIDE NEMA 1 ENCLOSURE INSIDE. PROVIDE NEMA 3 ENCLOSURE FOR ALL SWITCHES LOCATED OUTSIDE. "FPN" INDICATES FUSE PER EQUIPMENT NAMEPLATE	TSOEVER,	oint	t Č		
R	LITHONIA	6BP	-	LED	120	1	DRIVER	13	RECESSED	6" ROUND BAFFLE LED DOWNLIGHT. 900 LUMENS. 80 CRI. 3000K COLOR TEMP. FINISH BY ARCH. IC RATED. DAMP LOCATION. W /L7XLED T24 HOUSING.		"NF" INDICATES NON-FUSED. "MS" INDICATES MOTOR STARTER OF TYPE TO SUIT LOAD.	INER WHA	outhpo	nent	da	
CS .	NUVO	62 1145	-	LED	120	-	DRIVER	10	WALL	DECORATIVE LED SCONCE. 2-LIGHT UP/DOWN. 700 LUMENS. 3000K COLOR TEMP. 90CRI. EXTERIOR RATED. BRONZE FINISH.		208Y/120V PANEL, SURFACE OR RECESS MOUNTED, SEE SCHEDULE FOR DETAILS.	M OR MAN	noc	opm	lori	
CT	CIRCA LIGHTING	KF1021MBK	-	T4 G9 LED	120	-	-	12	SURFACE	"NODES" LARGE FLUSH MOUNT FIXTURE. PROVIDE (1) 60W EQUIVALENT T4 G9 LED BULB. 2700K COLOR TEMP.		480Y/277V PANEL, SURFACE OR RECESS MOUNTED, SEE SCHEDULE FOR DETAILS. FAN, PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL	I ANY FOR	at S	vel	у Т	
:U	JUNIPER	-	-	LED	120	-	-	576	SUSPENDED	METROPOLIS WALL TO WALL LINEAR FIXTURE WITH 36" MODULES. 6100 LUMENS PER MODULE. (11) MODULES PER RUN. 2700K COLOR TEMP.	·	CONTRACTOR. PROVIDE DISCONNECTING MEANS AS REQUIRED. RECESSED MOUNTED 2x4 FLUORESCENT TROFFER, SEE FIXTURE SCHEDULE FOR DETAILS.		uo	De	yer:	IS
:v	Danish design Store	-	-	A21 LED	120	-	_	15	SUSPENDED	CIRQUE PENDANT, LARGE. PROVIDE (1) 100W	0 0	TRACK LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS.	NGED OR	ati	ner	Me	Ш
w	CIRCA LIGHTING	700TDBMLGP	-	E26 LED	120	-	-	12	SUSPENDED	BRUMMEL GRANDE PENDANT. (1) E26 LED BULB PROVIDED WITH FIXTURE. 2700K COLOR TEMP. FINISH SELECTED BY OTHERS.	ф	SURFACE MOUNTED FLUORESCENT STRIP, SEE FIXTURE SCHEDULE FOR DETAILS. WALL MOUNTED LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS.	CED, CHA	spir	imm	ort	ER
x	MUUTO	14247	-	E26 LED	120	-	-	15	SUSPENDED	UNFOLD PENDANT LAMP. PROVIDE (1) 100W EQUIVALENT A21 LED BULB. 2700K COLOR TEMP. FINISH SELECTED BY OTHERS.	¢	SURFACE, RECESSED OR GROUND MOUNTED LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS.	REPRODU		N		_
Υ	MENU	1240539	-	LED	120	-	DRIVER	10	SUSPENDED	CAST PENDANT SHAPE 4. BLACK FINISH. (2) G9 LED BULBS INCLUDED. 2900K COLOR TEMP.	MD	ELECTRIC UTILITY METER LOCATION. CABLE TV OUTLET, 18" A.F.F. TO CENTER, UNLESS OTHERWISE NOTED.	OT TO BE		Mr.	MZ	
2	LITHONIA	VAP	-	LED	120	-	DRIVER	40	WALL	LINEAR LED FIXTURE W/ POLYCARB GASKETED LENS. ALUMINUM HOUSING. 6000 LUMENS. 3000K COLOR TEMP.	6	STAND ALONE 120 VOLT SMOKE DETECTOR WITH BATTERY BACK-UP AND SILENCE SWITCH. TO BE INTERCONNECTED TO OTHER DETECTORS IN UNIT. DEVICE TO BE INSTALLED PER UL 217.	ANS ARE N				>
D	LITHONIA	WSQ-LED-P4-SR4- 30K-MVOLT	1	LED	MVOLT	1	LED DRIVER	61	WALL	LED WALL PACK. WET LOC. & COLD TEMP RATED. 5,991 LUMENS. 3000K TEMP. SR4 DISTRIBUTION. FULL CUT-OFF		SMOKE DETECTORS IN ADA UNITS TO BE FIRE ALARM SYSTEM TYPE, SEE FA PLANS. (USE ONLY IF FA IS PRESENT IN BLDG)	THESE PL				
Β	LITHONIA	6BP	-	LED	120	1	DRIVER	13	RECESSED	6" ROUND BAFFLE LED DOWNLIGHT. 900 LUMENS. 80 CRI. 3000K COLOR TEMP. FINISH BY ARCH. WET LOCATION. W /L7XLED T24 HOUSING.		ELECTRICAL ABBREVIATIONS	SE PLANS.	RAL P:9	3 ST. MARYS S EIGH, NC 276 19-341-4247 UMBING MECH	605 LIC.#: P F:919-890	
Н	KASON	1810LX6000	-	LED	120-277	1	DRIVER	58	SURFACE	4' LED VAPOR PROOF GASKETED SURFACE MOUNT FIXTURE40°F AND WET LOCATION RATED.	18"	DIMENSION INDICATES HEIGHT ABOVE FINISHED FLOOR AT WHICH CENTER OF DEVICE IS TO BE MOUNTED.	IS IN THES				
Г	-	-	1	LED	120	-	DRIVER	15 MAX	WALL	EXTERIOR RATED LED WALL SCONCE. SELECTED BY OTHERS. PROVIDED & INSTALLED BY E.C., INCLUDE \$125/FIXTURE MAT'L ALLOWANCE IN BID. 3000K.	AFF AFG	ABOVE FINISHED FLOOR. ABOVE FINISHED GRADE.	ктү кіснт				
UA	CRAFTMADE	C201BN/WHT	-	-	120	-	-	100	SURFACE	CEILING FAN W/ LIGHT KIT. PROVIDE W/ 100W EQUIV A19 MED BASE LED BULB. 3000K.	E.C.	ELECTRICAL CONTRACTOR.	ER PROPE				
IB	-	-	-	LED	120	-	DRIVER	15 MAX	SURFACE	6" LED SURFACE MOUNTED DISK. 3000K COLOR TEMP. 1000 LUMENS. PROVIDED & INSTALLED BY E.C INCLUDE \$50/FIXTURE MAT'L ALLOWANCE IN BID.	FPN G.C.	FUSE PER EQUIPMENT NAMEPLATE REQUIREMENTS. GENERAL CONTRACTOR.	AND ОТНЕ /15/21	54/	CRIPTION		
С	BUTLER LIGHTING	DVP1432CH	-	-	120	-	-	40 MAX	SURFACE	CEILING DOME LIGHT. PROVIDE W/ (2) 60W EQUIV A 19 MED BASE LED BULB. 3000K. CHROME FINISH WITH OPAL GLASS.	M.C.	MECHANICAL CONTRACTOR.	рүкіснт AI	11	IALS DES		
D	KUZCO LIGHTING	498011CH	-	-	120	-	-	20 MAX	SUSPENDED	SUSPENDED PENDANT FIXTURE. PROVIDE W/ 60W EQUIVALENT LED. 3000K. CHROME FINISH.	P.C. WP	PLUMBING CONTRACTOR. INDICATES DEVICE TO HAVE WEATHERPROOF COVER.	N LAW CO			+++-	
IF	PROGRESS LIGHTING	P2159-104	3	-	120	-	-	60 MAX	WALL	DECORATIVE VANITY. PROVIDE W/ (3) 60W EQUIVALENT LED BULBS. 3000K. CHROME FINISH. WHITE OPAL GLASS.	UON	UNLESS OTHERWISE NOTED.	COMMO	DATE	S:		╎┼┼┼┨
Н	τοραζ	SDL6 15 930 D	-	LED	120	-	DRIVER	15	SURFACE	6" LED DOWNLIGHT. 3000K COLOR TEMP. 900 LUMENS.	facp Smp	FIRE ALARM CONTROL PANEL. SPRINKLER MONITORING PANEL.	PROG	ш	REVISION NUMBER		
IJ	TRANSGLOBE	50210BK	1	-	120	-	_	20 MAX	WALL	EXTERIOR RATED WALL BRACKET LIGHT. PROVIDE W/ 60W EQUIV A19 MED BASE LED BULB. 3000K. BLACK FINISH.	NL	NIGHT LIGHT, LIGHT NOT SWITCHED.	PR	OJECT N		01(0819 SDS
К	САМЕО	612WH	1	-	120	-	_	20 MAX	SURFACE	CEILING DOME LIGHT. PROVIDE W/ A19 MED BASE LED BULB. 3000K.			CH	ECKED I	BY:		ZLT
IP	MILLENNIUM LIGHTING	793-SN	3	-	120	-	-	60 MAX	SUSPENDED	3-LIGHT CHANDELIER. PROVIDE W/ 60W EQUIV A19 MED BASE LED BULBS. 3000K COLOR TEMP. DIMMABLE			NG, F	F	ELECT EDUL	RICA ES NC	L)TFS
1		LIGHTING	FIXT	URE SCH	IEDU	ILE C	ONTINU	JED (on shee				ENG		ND LE	IGEN	D
													AAP MAP				

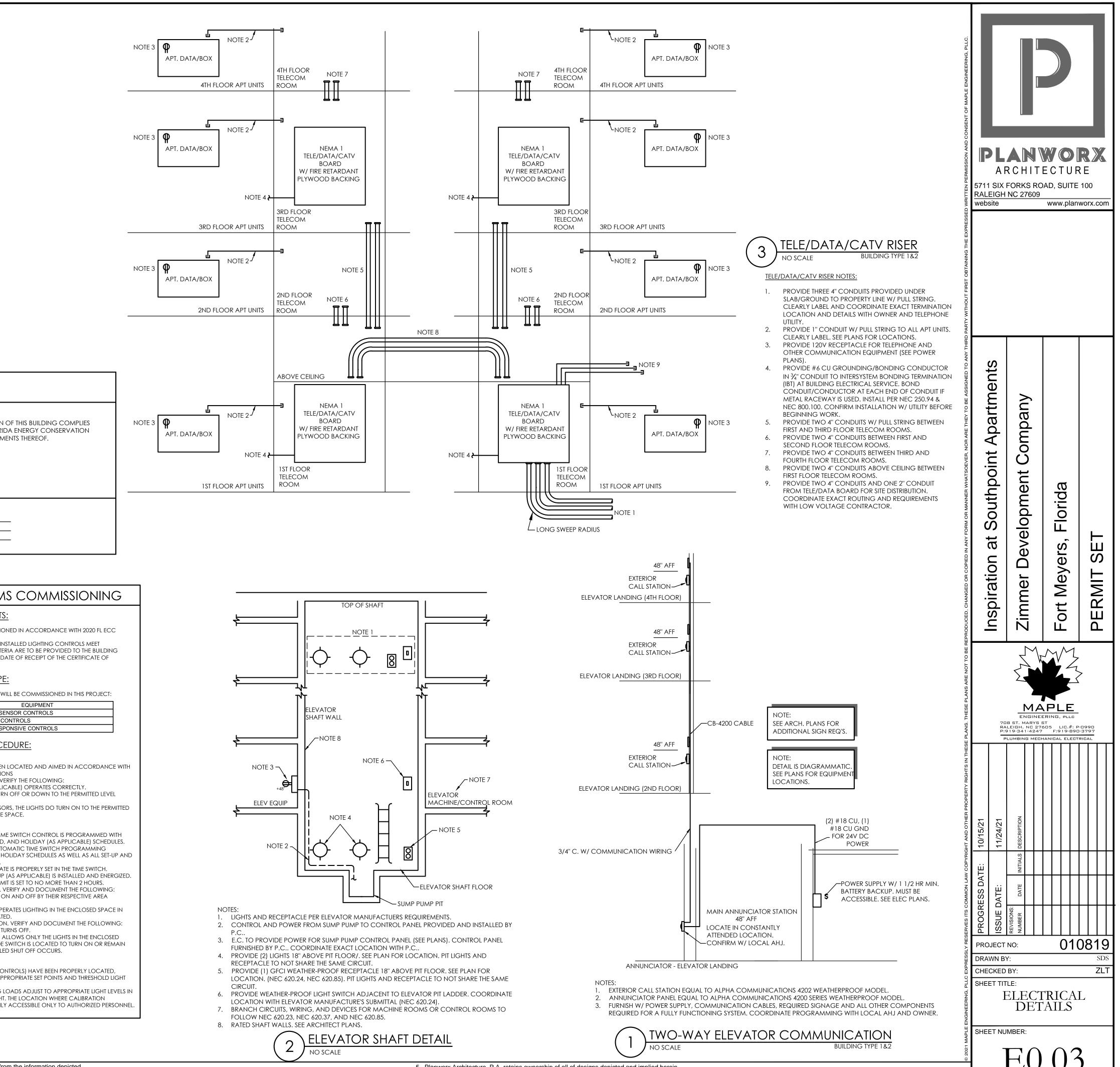
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E0.01



	G SYSTEMS DN C405 & C406
LIGHTING POWER DENSITY CALCULATION COMPLIANCE INTERIOR LIGHTING POWER DENSITY CALCULATION PER TABLE C405.4.2. SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE INFORMATION. INTERIOR WATTAGE SPECIFIED VS. ALLOWED 3614 VS. 19936 EXTERIOR LIGHTING POWER DENSITY CALCULATION PER TABLE C405.5.1. SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE INFORMATION. TRADABLE EXTERIOR WATTAGE SPECIFIED VS. ALLOWED 1598 VS. 2357 NONTRADABLE EXTERIOR WATTAGE SPECIFIED VS. ALLOWED NA	DESIGNER STATEMENT: TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN WITH THE LIGHTING SYSTEMS REQUIREMENTS OF THE FLORI CODE, SECTION C405 & C406 AND ANY LOCAL AMENDA SIGNED: NAME: ZACK L. TOMLIN, PE TITLE: ELECTRICAL ENGINEER
C406.2 MORE EFFICIENT MECHANICAL EQUIPMENT	ON-SITE RENEWABLE ENERGY DEDICATED OUTDOOR AIR SYSTEM EDUCED ENERGY USE IN SERVICE WATER HEATING

BUILDING	SYSTEMS C
I. <u>GENERAL REG</u>	UIREMENTS:
) be commissioned in .
DOCUMENTED PERFO	YING THAT THE INSTALLED DRMANCE CRITERIA ARE AYS FROM THE DATE OF F
II. <u>COMMISSION</u>	ING SCOPE:
1. THE FOLLOWING MA	rked systems will be c
SYSTEM	E
ELECTRICAL	OCCUPANCY SENSOR C
	TIME-SWITCH CONTROL
	DAYLIGHT RESPONSIVE
III. <u>Commission</u>	ING PROCEDURI
MANUFACTURER RI 1.2. FOR EACH SENSOR 1.2.1. STATUS INDIC 1.2.2. THE CONTRC WITHIN THE R FOR AUTO-ON OCC	DRS: ENSOR HAS BEEN LOCAT ECOMMENDATIONS TO BE TESTED, VERIFY THI ATOR (AS APPLICABLE) (ULED LIGHTS TURN OFF O EQUIRED TIME. CUPANCY SENSORS, THE ONE ENTERS THE SPACE.
APPROPRIATE WEEL 2.2. DOCUMENT FOR TH INCLUDING WEEKD PREFERENCE PROG 2.3. VERIFY THE CORREC 2.4. VERIFY THAT ANY B 2.5. VERIFY THAT ANY B 2.5. VERIFY THAT THE O' 2.6. SIMULATE OCCUPIE 2.6.1. ALL LIGHTS C CONTROL SW 2.6.2. VERIFY THE SV WHICH THE S 2.7. SIMULATE UNOCCU 2.7.1. ALL NON-EXE 2.7.2. MANUAL OV SPACE WHER	AUTOMATIC TIME SWITC (DAY, WEEKEND, AND HO IE AGENCY AUTOMATIC AY, WEEKEND, HOLIDAY RAM SETTINGS. CT TIME AND DATE IS PRO ATTERY BACK-UP (AS APF VERRIDE TIME LIMIT IS SET ED CONDITION. VERIFY A AN BE TURNED ON AND
FIELD-CALIBRATED . LEVELS. 3.2. DAYLIGHT CONTRO RESPONSE TO AVAI	S: ICES (PHOTOCONTROLS) AND SET FOR APPROPRIA DLLED LIGHTING LOADS A LABLE DAYLIGHT. THE LO MADE IS READILY ACCES



EDURE:

ONTROLS

N LOCATED AND AIMED IN ACCORDANCE WITH ERIFY THE FOLLOWING:

ICABLE) OPERATES CORRECTLY. RN OFF OR DOWN TO THE PERMITTED LEVEL

ME SWITCH CONTROL IS PROGRAMMED WITH AND HOLIDAY (AS APPLICABLE) SCHEDULES. OMATIC TIME SWITCH PROGRAMMING HOLIDAY SCHEDULES AS WELL AS ALL SET-UP AND

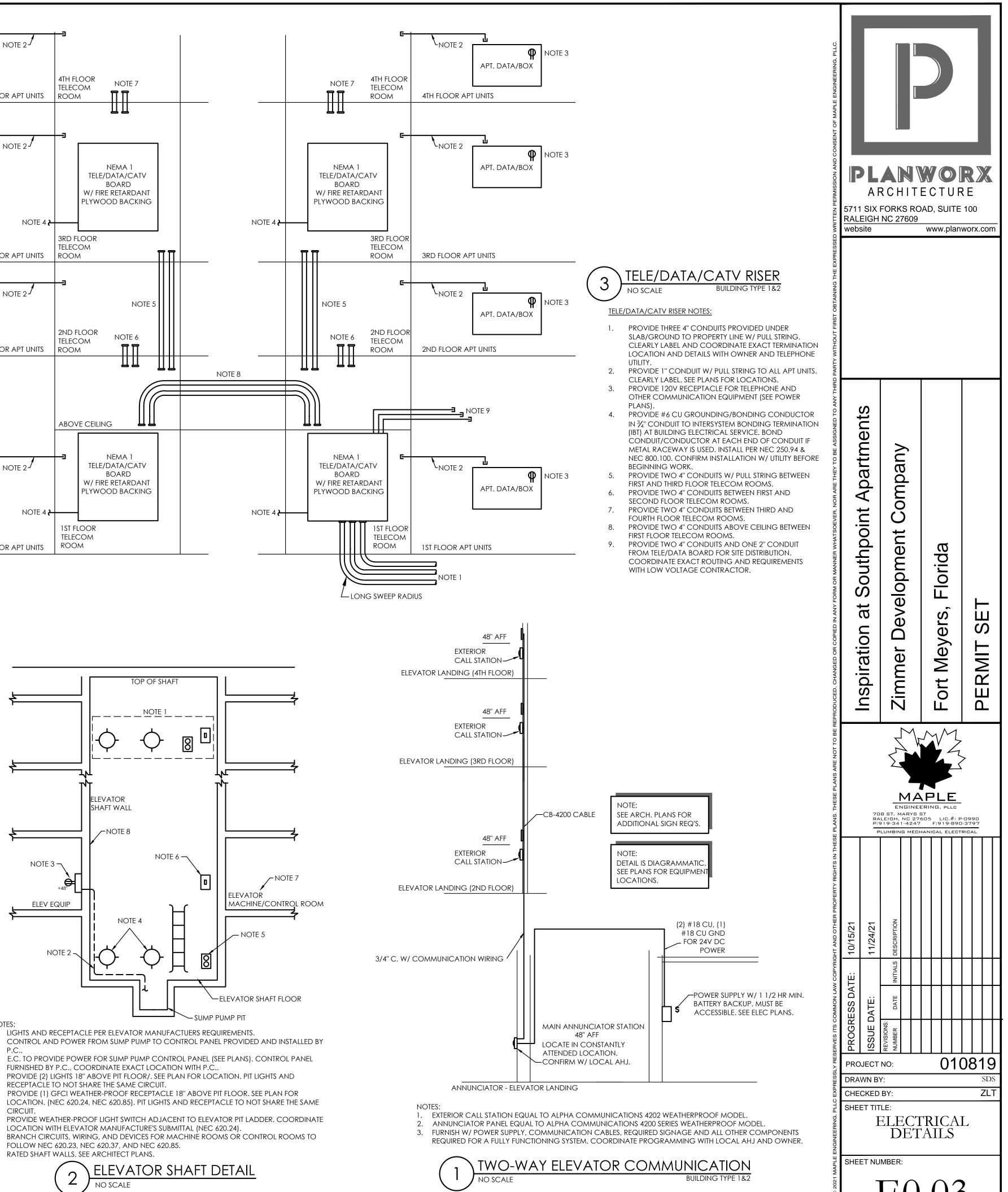
(AS APPLICABLE) IS INSTALLED AND ENERGIZED. MIT IS SET TO NO MORE THAN 2 HOURS. VERIFY AND DOCUMENT THE FOLLOWING: ON AND OFF BY THEIR RESPECTIVE AREA

ERATES LIGHTING IN THE ENCLOSED SPACE IN ON. VERIFY AND DOCUMENT THE FOLLOWING:

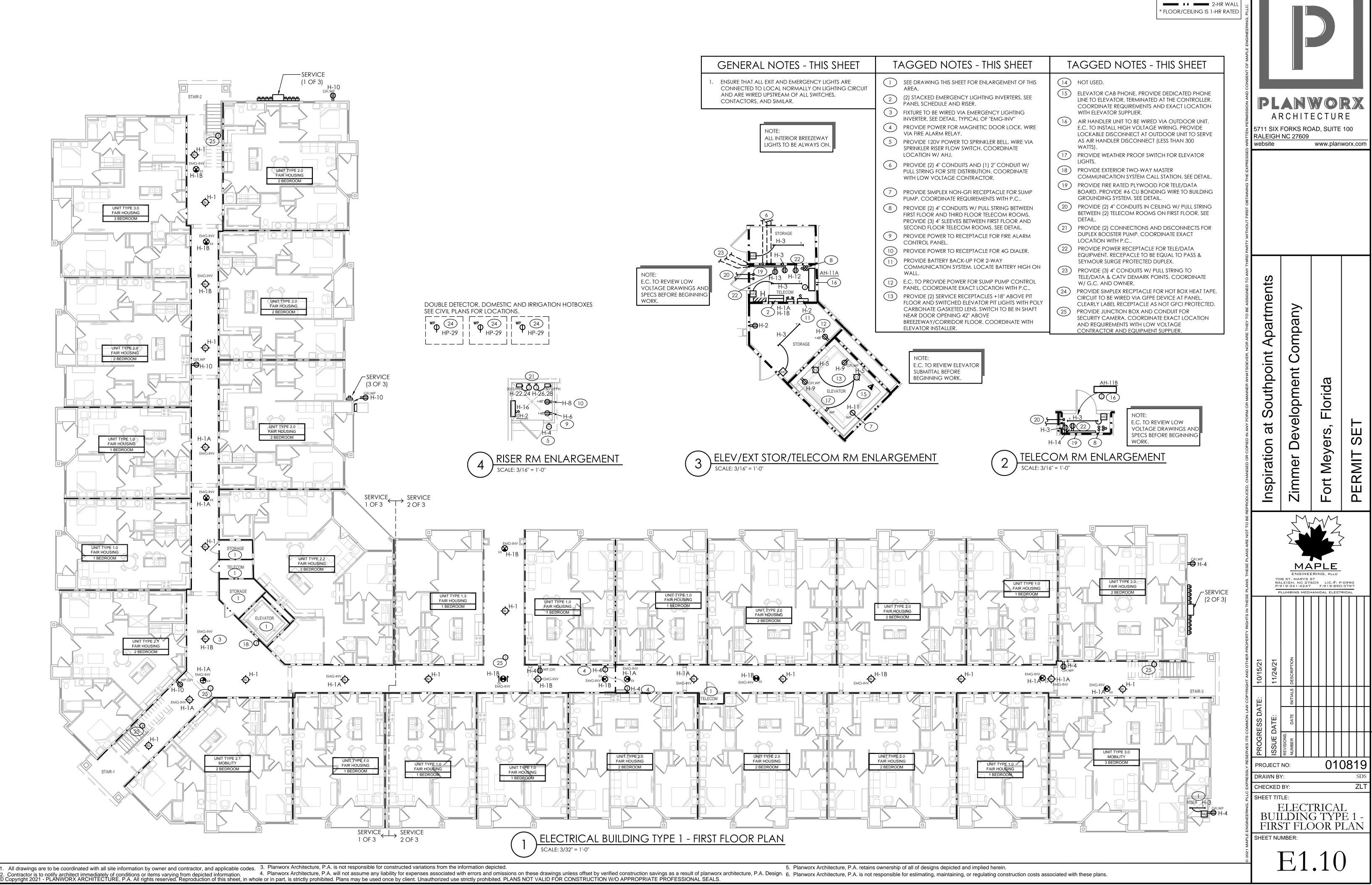
URNS OFF. ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SWITCH IS LOCATED TO TURN ON OR REMAIN ED SHUT OFF OCCURS.

ONTROLS) HAVE BEEN PROPERLY LOCATED, PROPRIATE SET POINTS AND THRESHOLD LIGHT

LOADS ADJUST TO APPROPRIATE LIGHT LEVELS IN . THE LOCATION WHERE CALIBRATION ILY ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL.



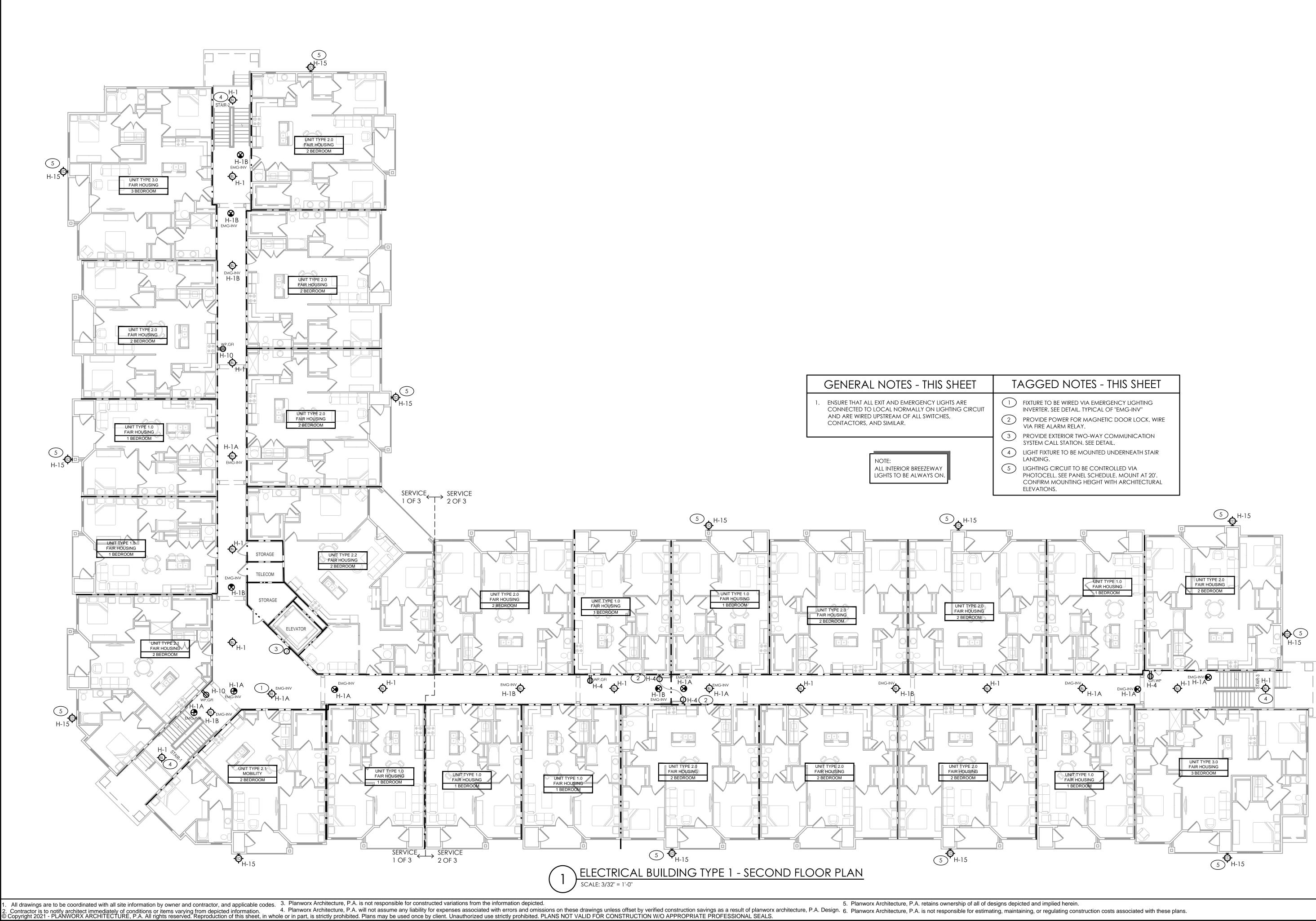
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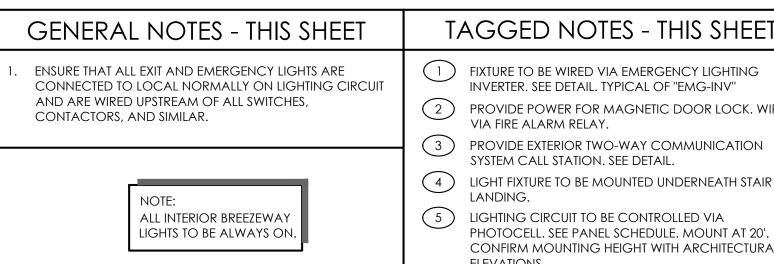


18)	PROVIDE EXTERIOR TWO-WAY MASTER COMMUNICATION SYSTEM CALL STATION. SEE DETAIL
19	PROVIDE FIRE RATED PLYWOOD FOR TELE/DATA BOARD. PROVIDE #6 CU BONDING WIRE TO BUILDING GROUNDING SYSTEM. SEE DETAIL.
20	PROVIDE (2) 4" CONDUITS IN CEILING W/ PULL STRING BETWEEN (2) TELECOM ROOMS ON FIRST FLOOR. SEE DETAIL.
21	PROVIDE (2) CONNECTIONS AND DISCONNECTS FOR DUPLEX BOOSTER PUMP. COORDINATE EXACT LOCATION WITH P.C
22	PROVIDE POWER RECEPTACLE FOR TELE/DATA EQUIPMENT. RECEPACLE TO BE EQUAL TO PASS & SEXMOLIN SURGE PROTECTED DURLEY

FIRE RATING LEGEND

■ ■ ■ ■ 1-HR WALL





FIRE RATING LEGEND 2-HR WALL * FLOOR/CEILING IS 1-HR RATED

Apartments Company Southpoint **Development** σ Florida at ers Ш S Inspiration Mey PERMIT Zimmer ort MAPLE ENGINEERING, PLLC 708 ST. MARYS ST RALEIGH, NC 27605 LIC.#: P-0990 P:919-341-4247 F:919-890-3797 PLUMBING MECHANICAL ELECTRICAL 010819 PROJECT NO: DRAWN BY: CHECKED BY: ZL٦ SHEET TITLE: ELECTRICAL BUILDING TYPE 1 -2ND FLOOR PLAN SHEET NUMBER: E1.11

PLANWORX

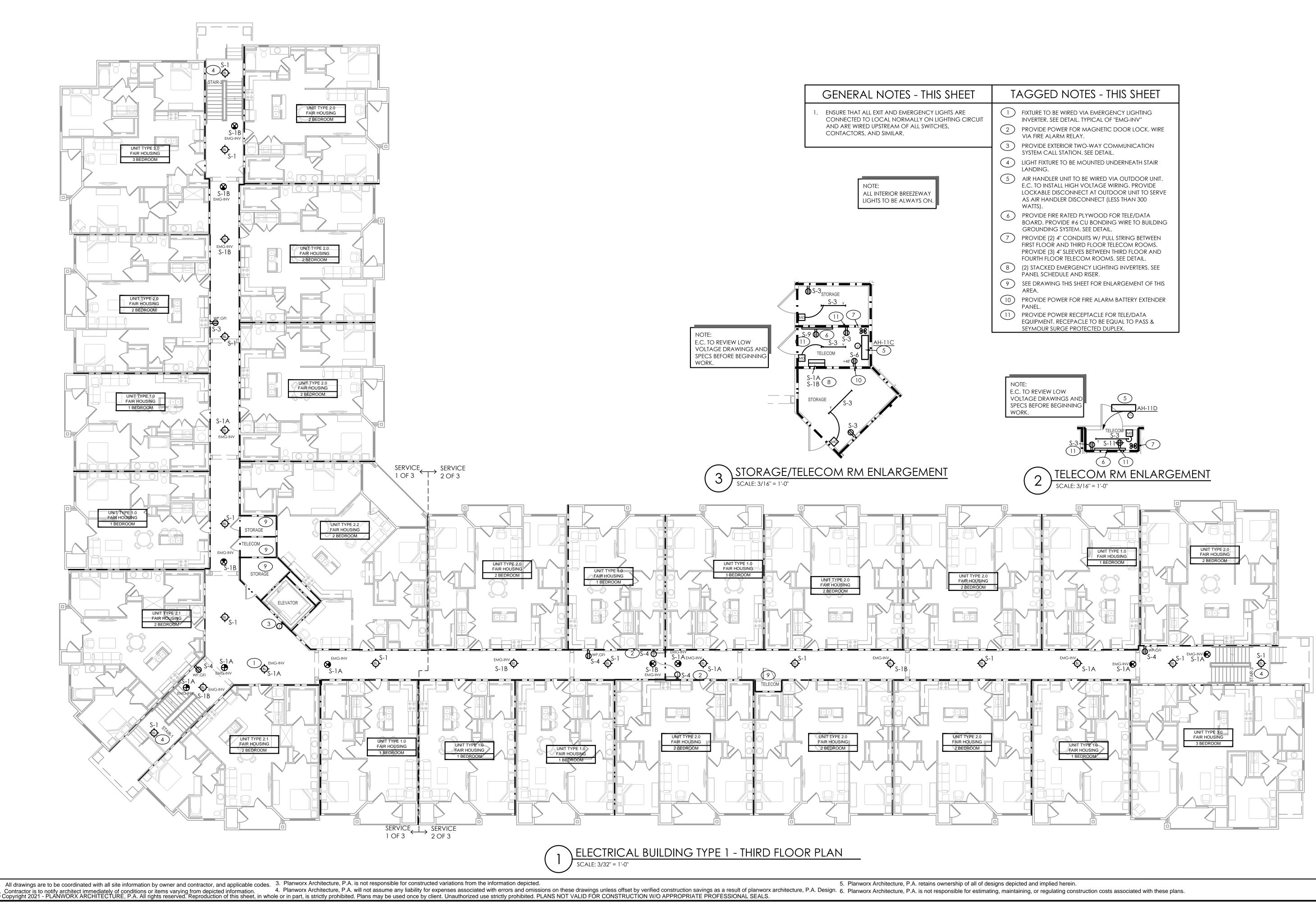
ARCHITECTURE

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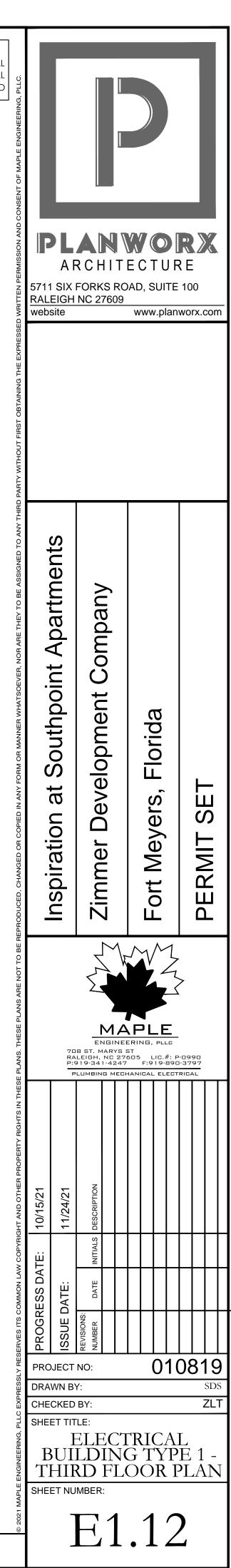
5711 SIX FORKS ROAD, SUITE 100

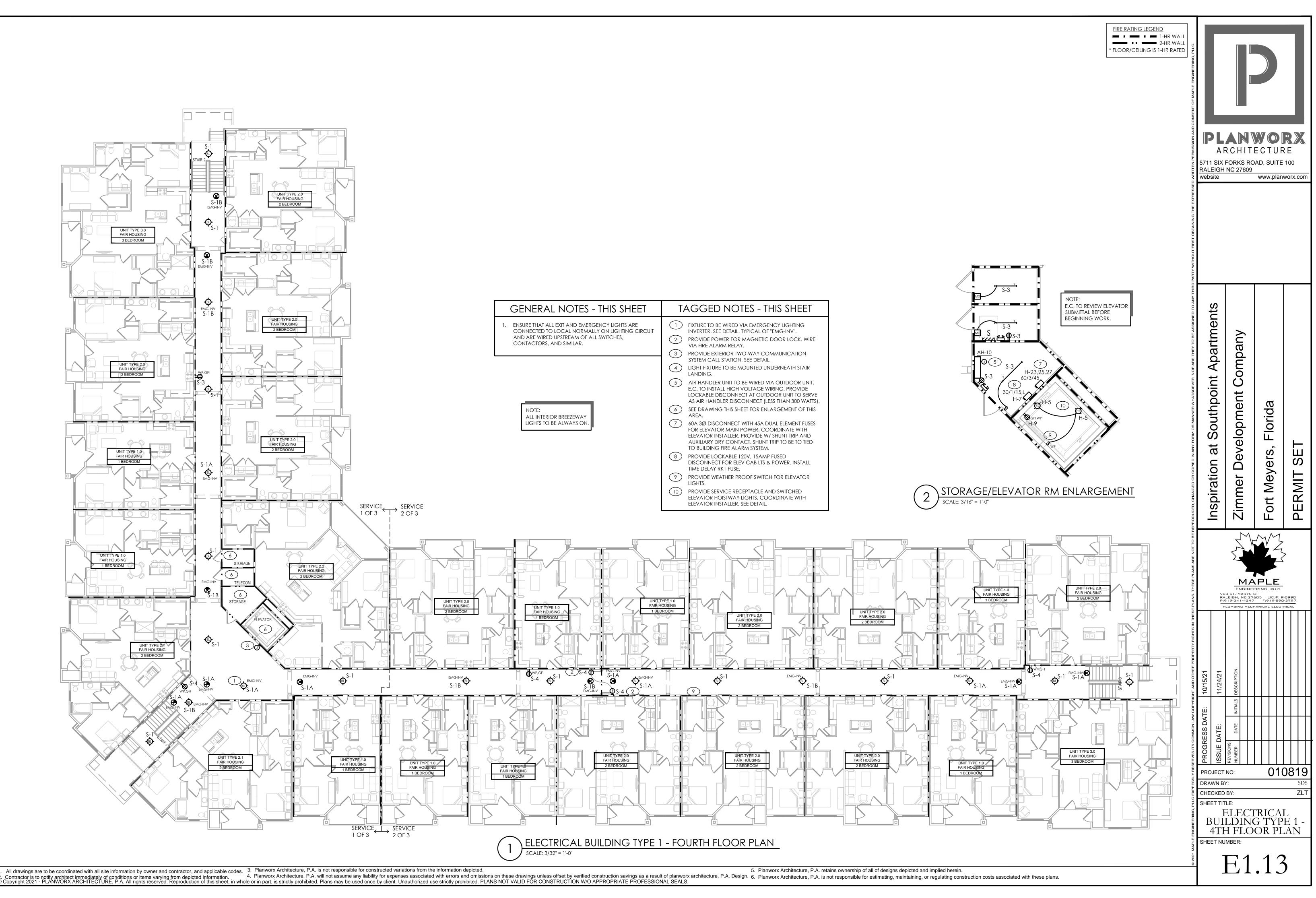
RALEIGH NC 27609

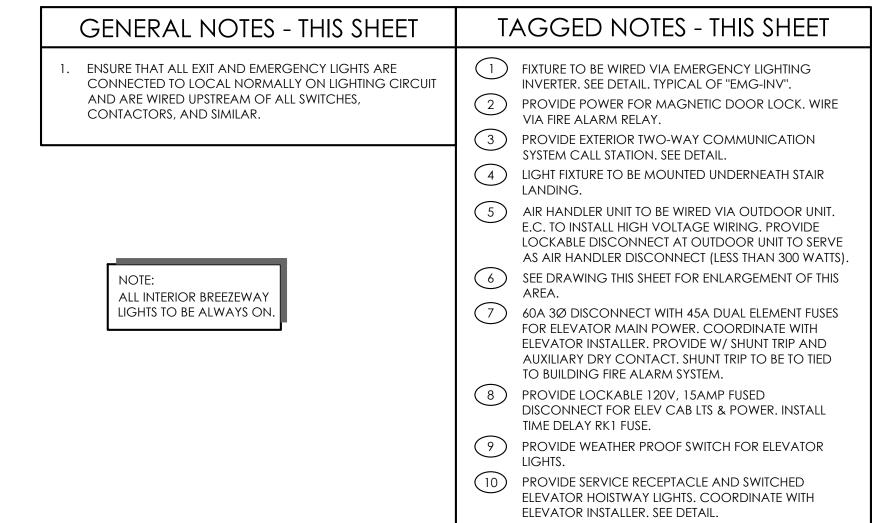
website

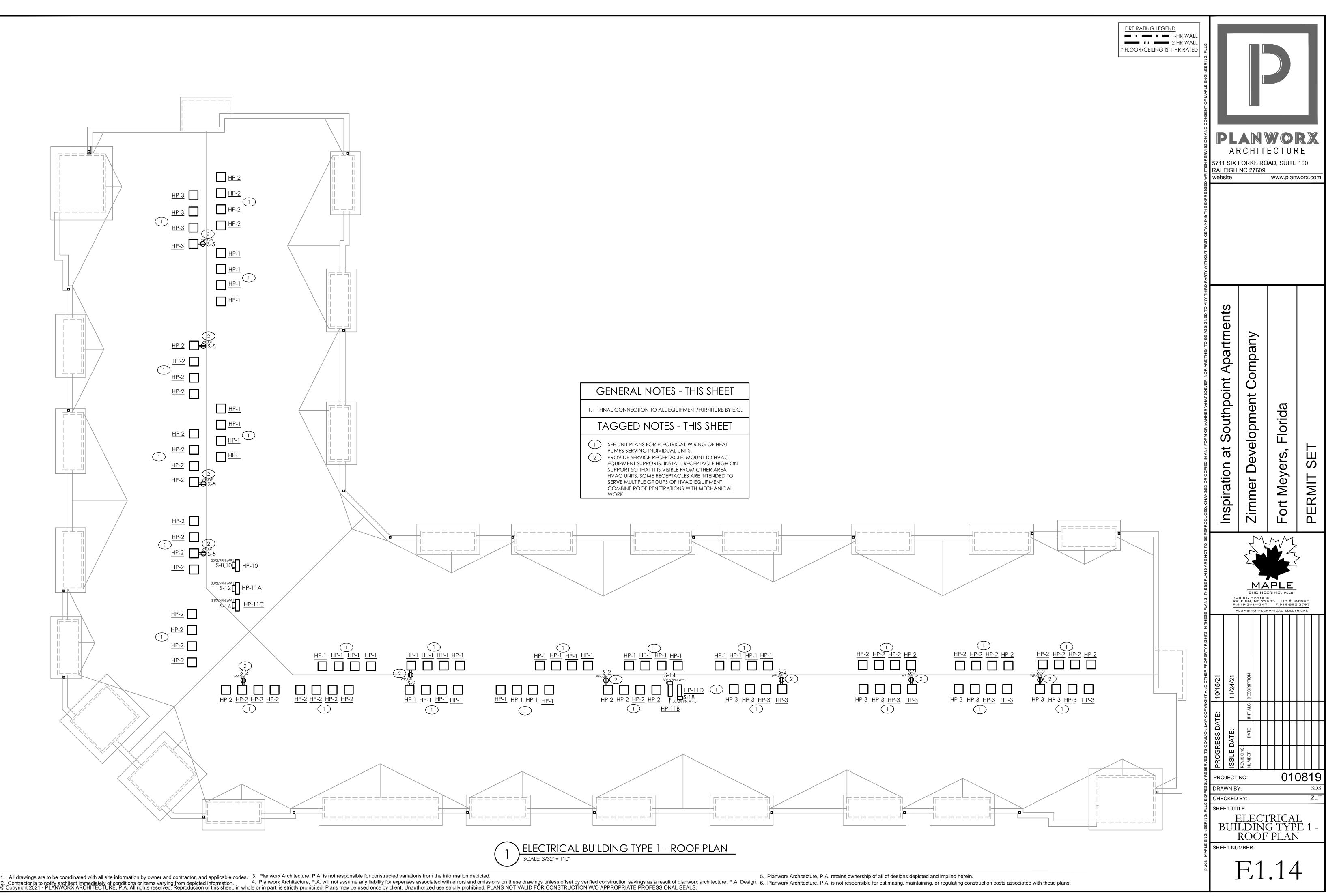


FIRE RATING LEGEND ■ ■ ■ ■ 1-HR WALL 2-HR WALL * FLOOR/CEILING IS 1-HR RATED

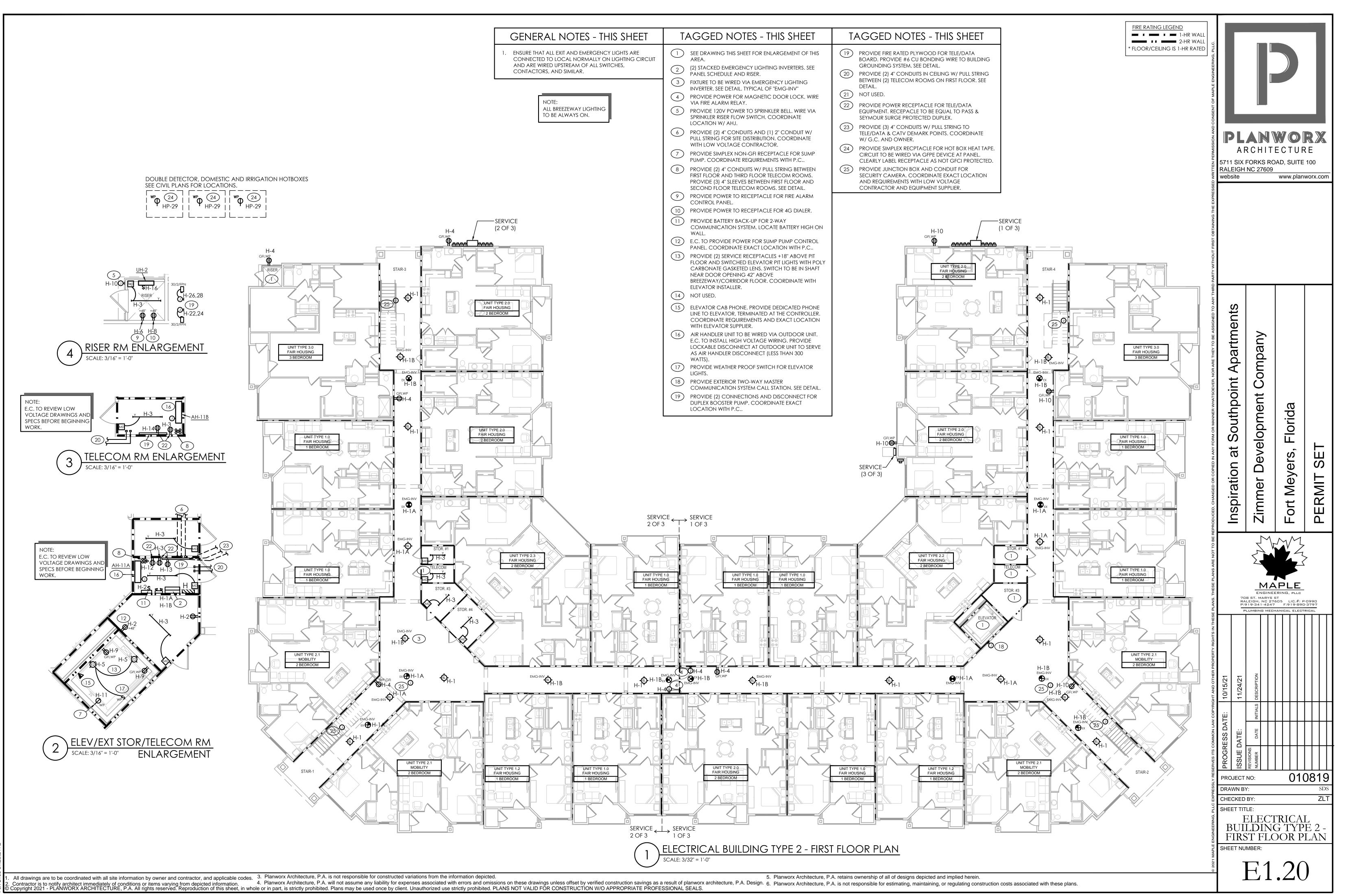


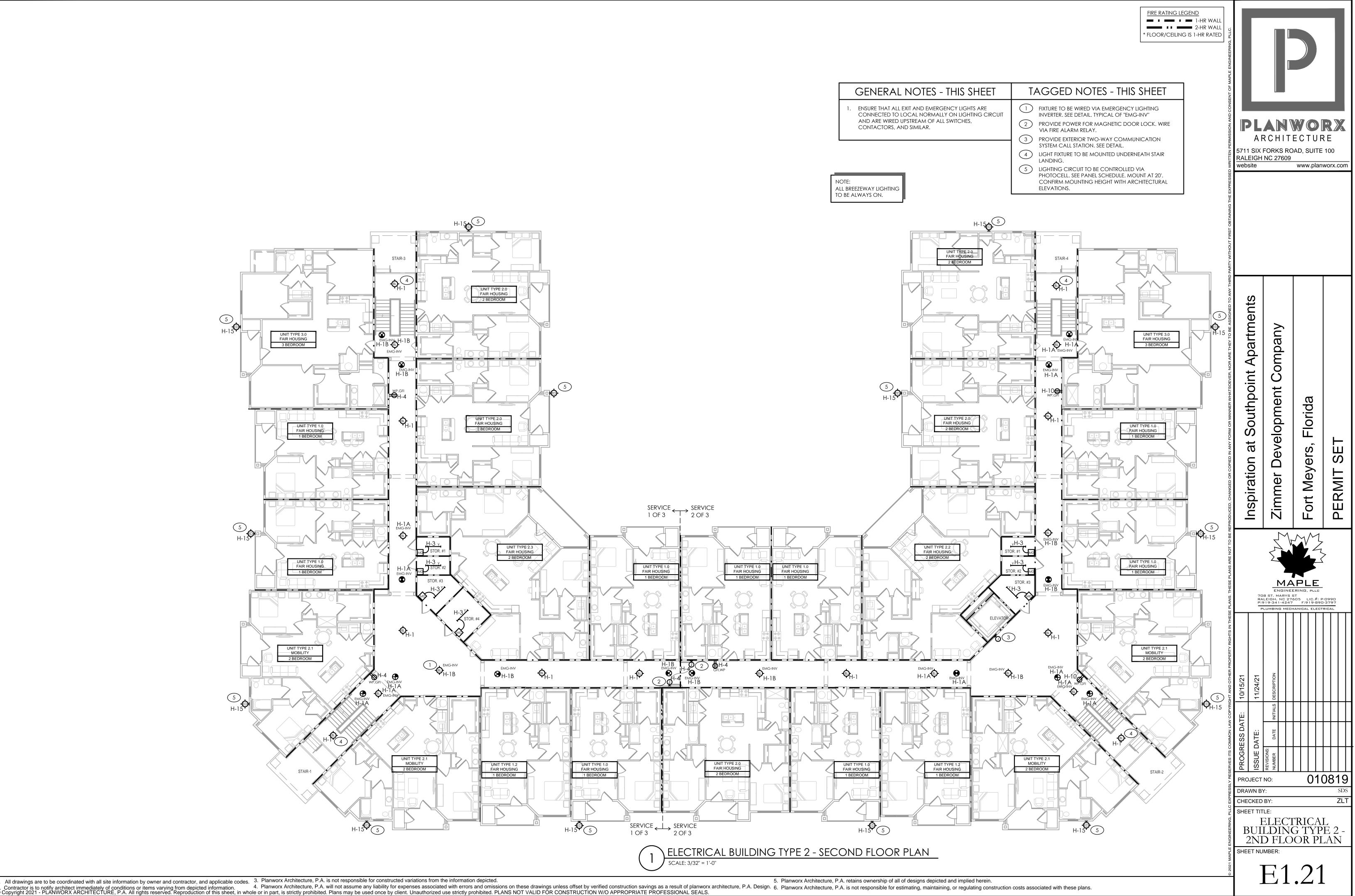


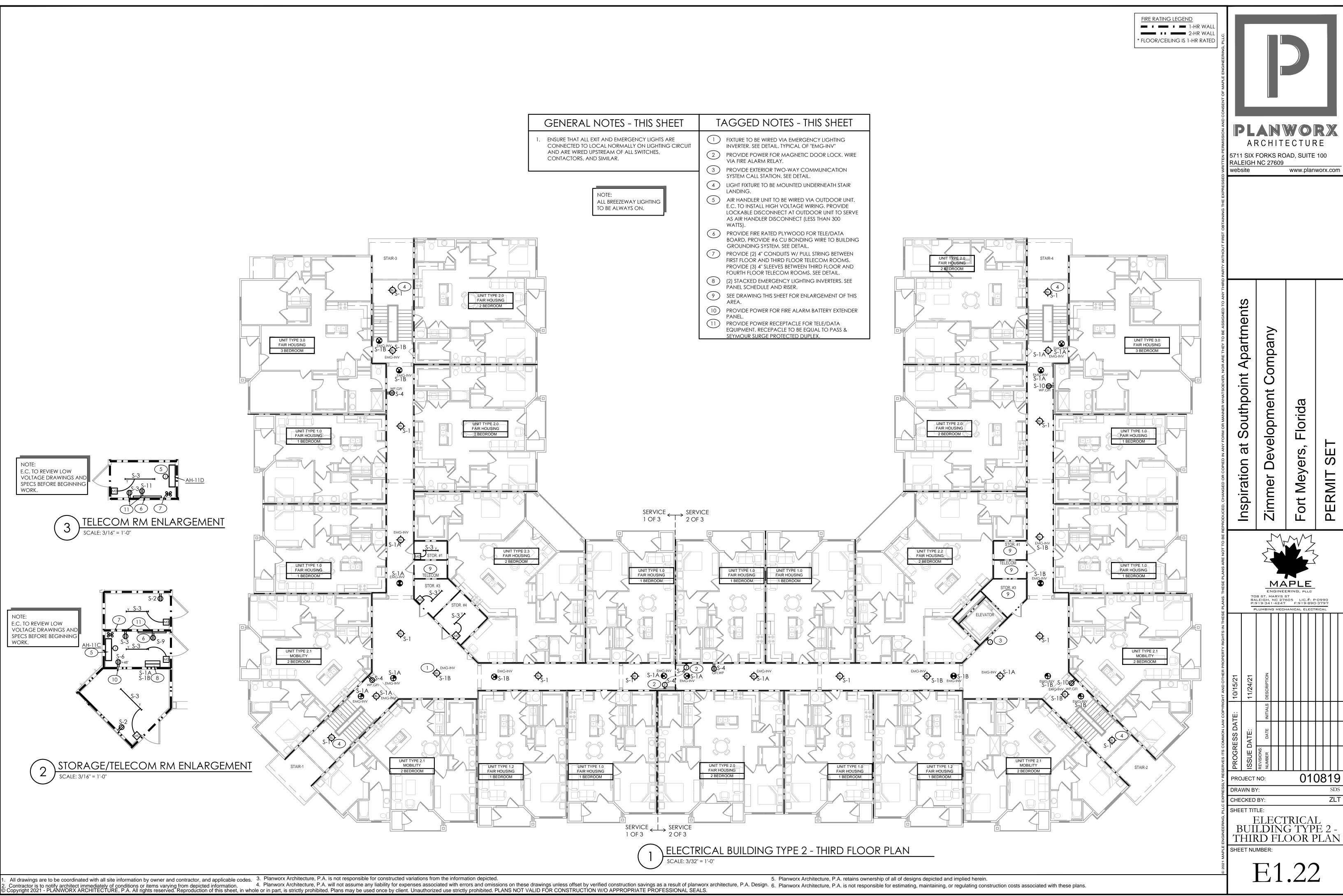


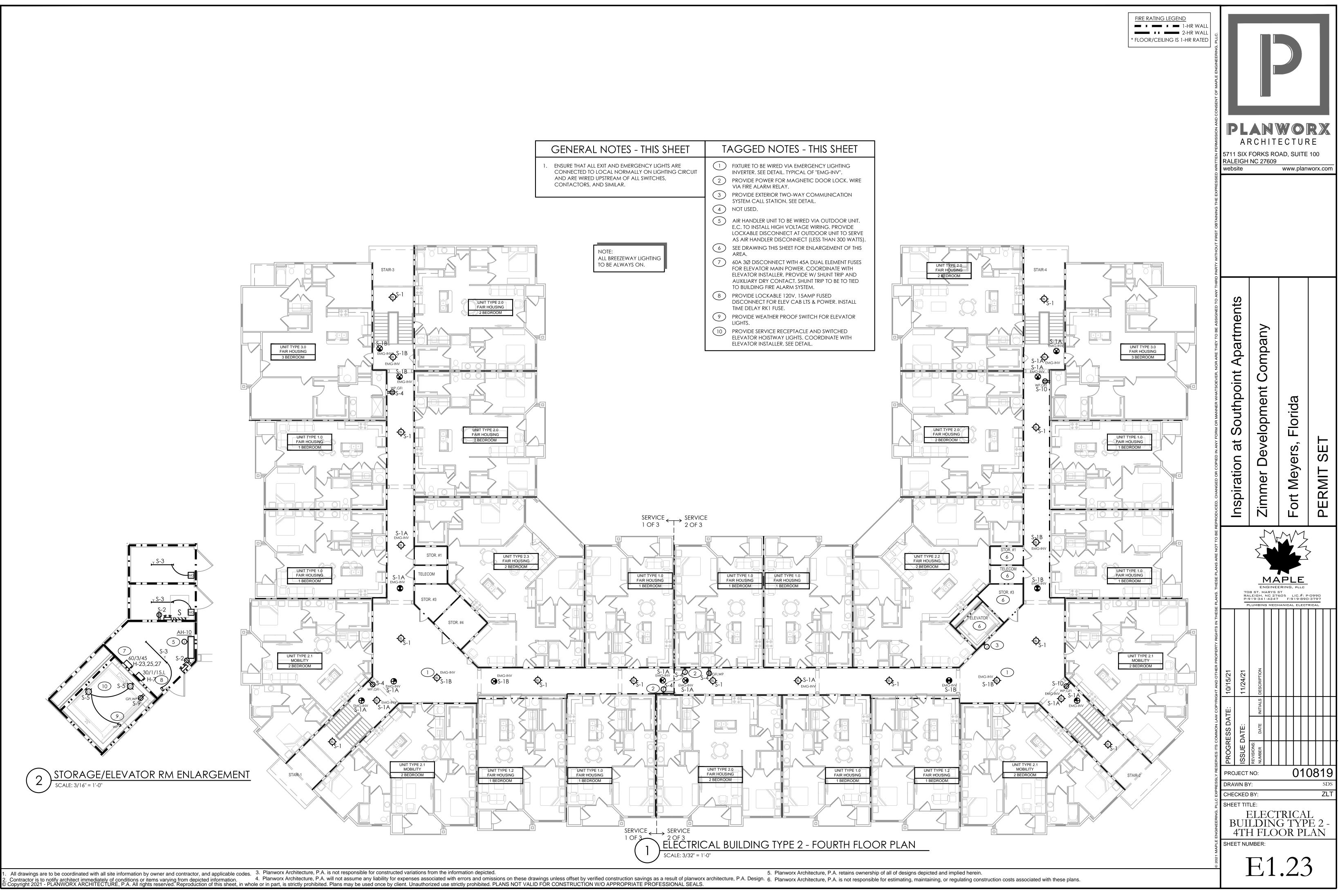


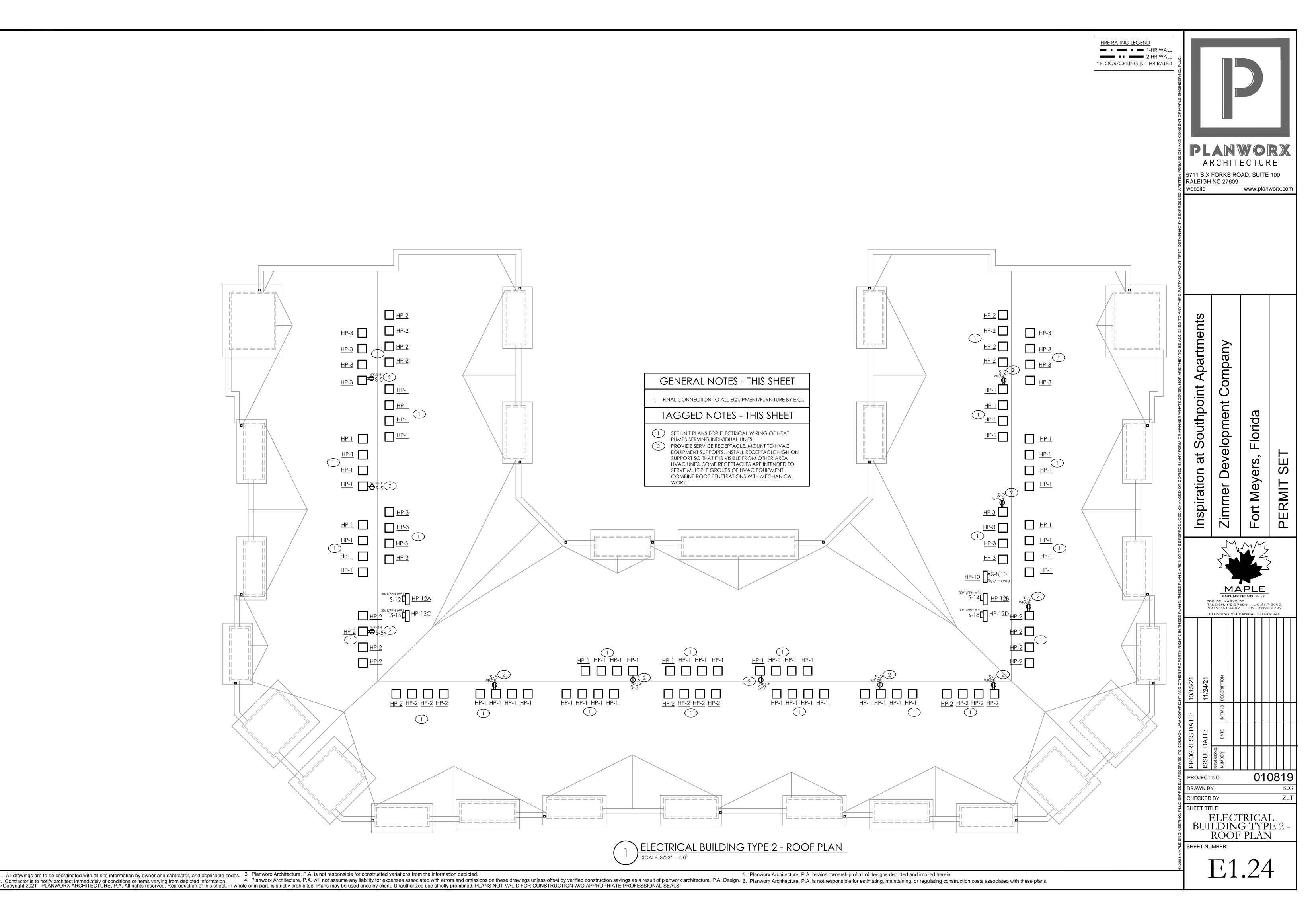




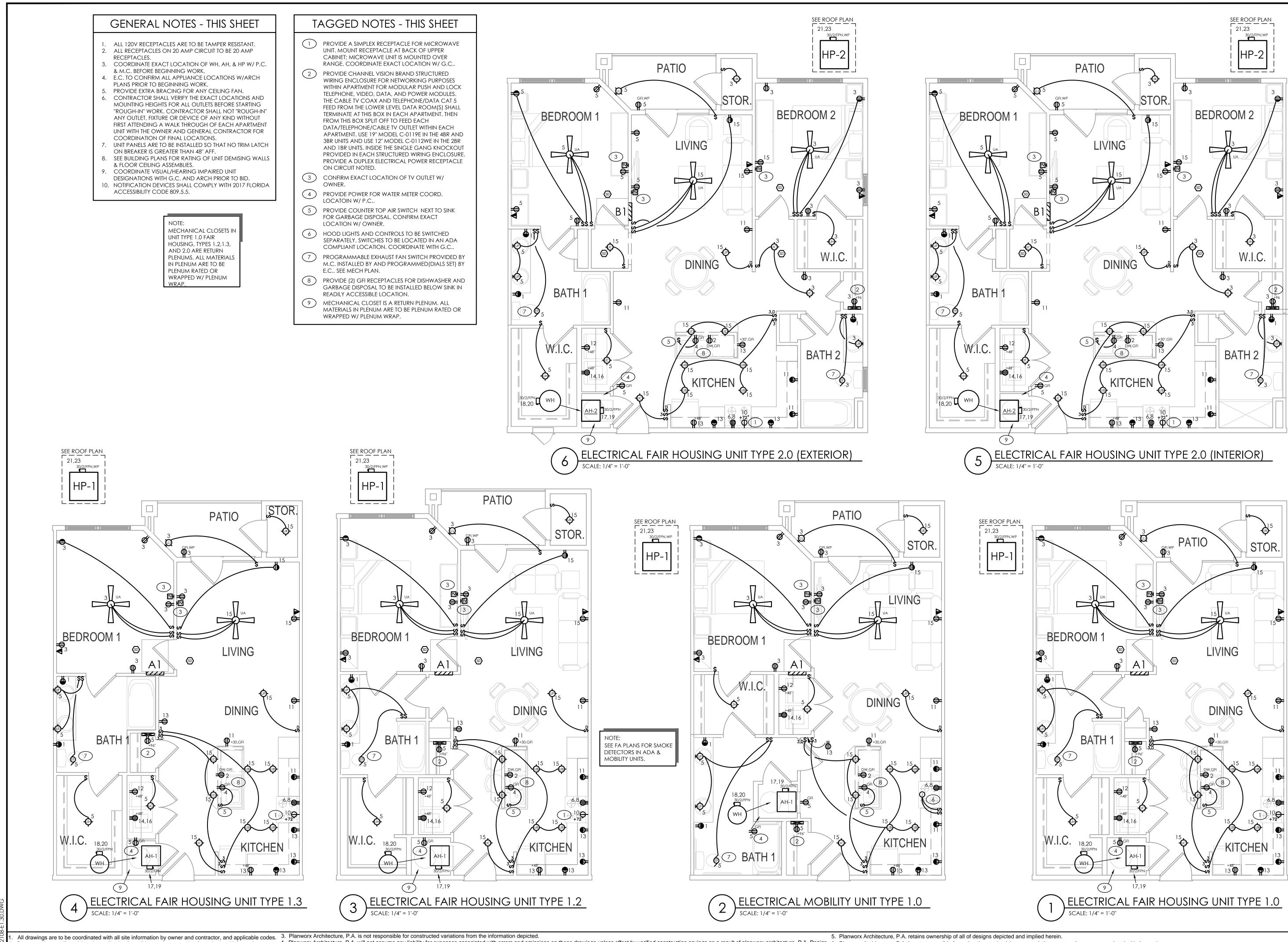




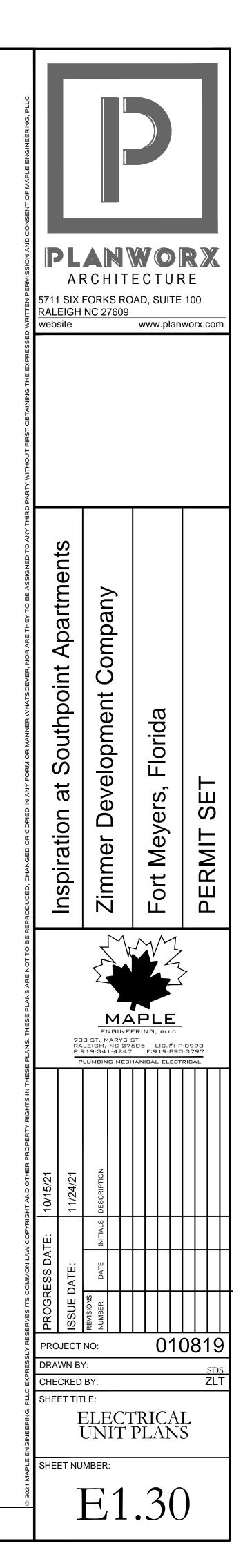




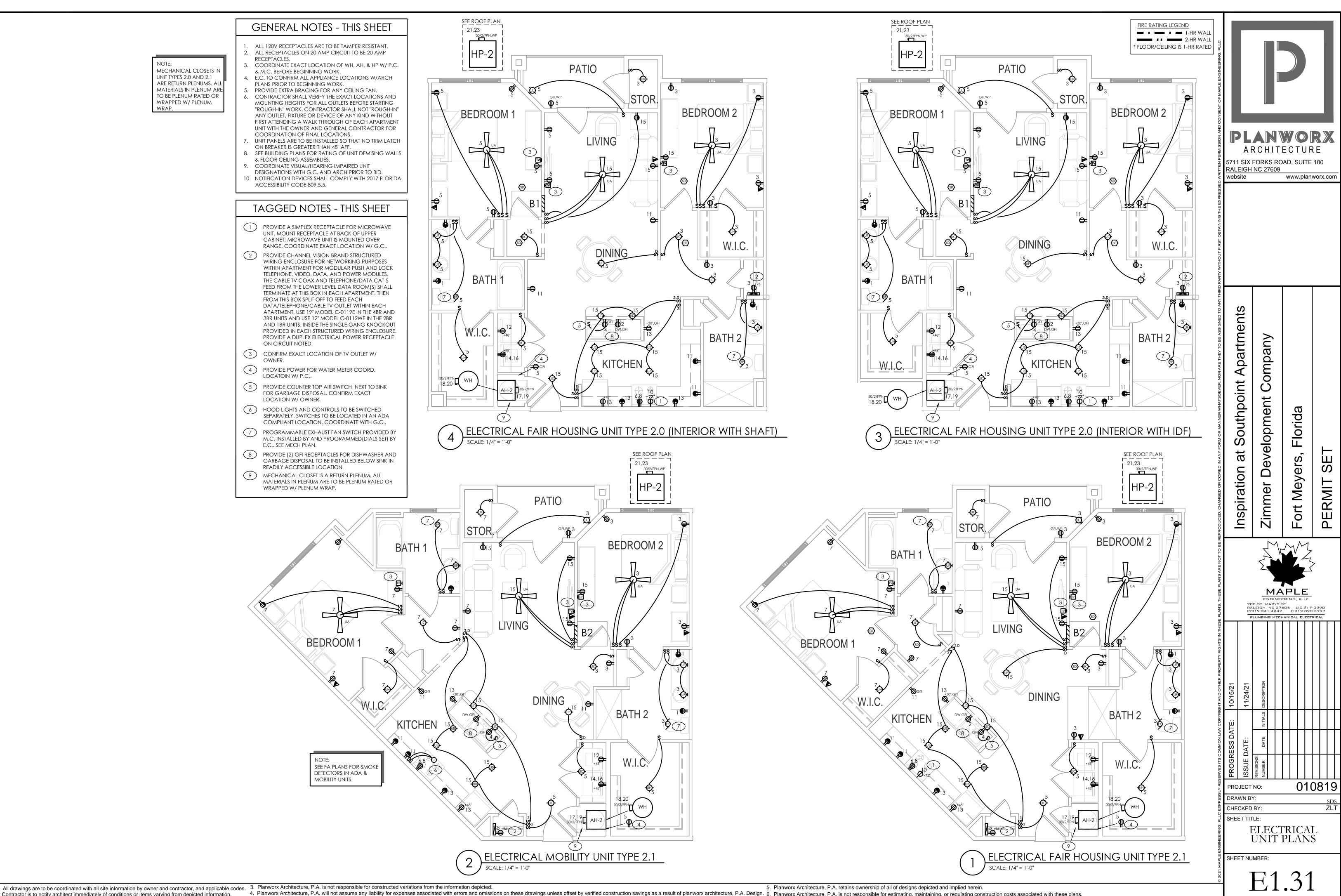
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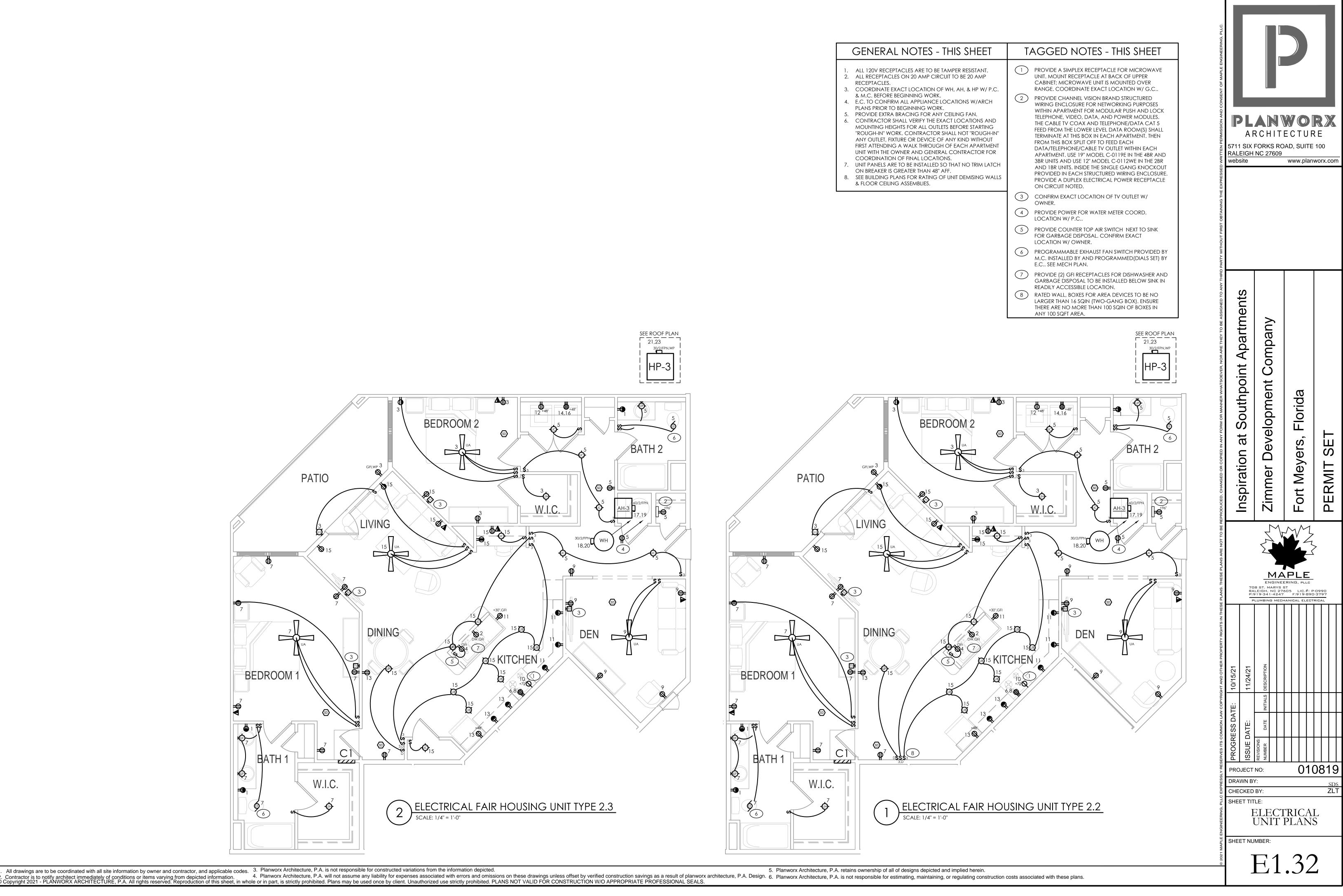
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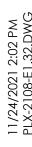


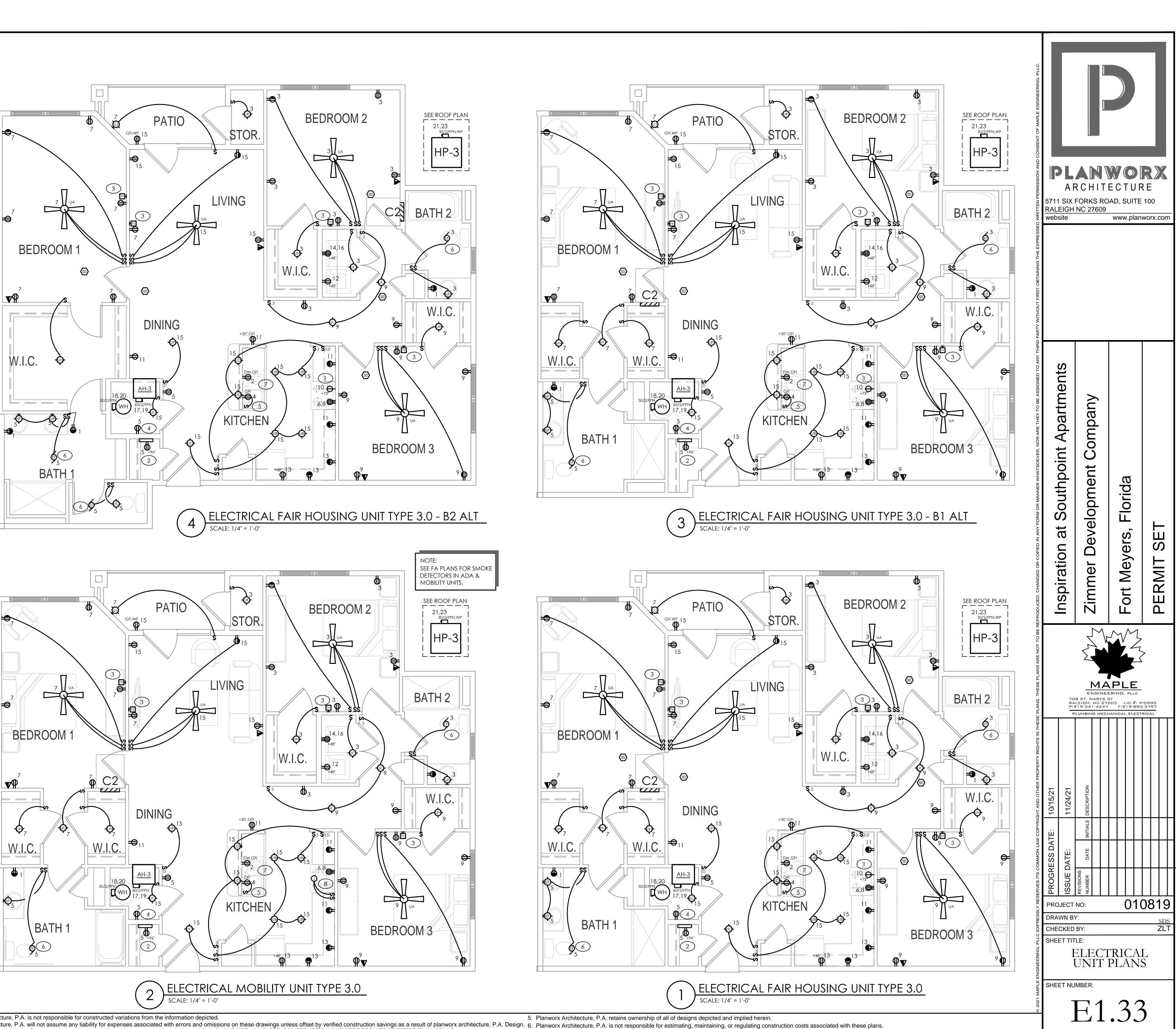
ALL 120V RECEPTACLES ARE TO BE TAMPER RESISTANT. ALL RECEPTACLES ON 20 AMP CIRCUIT TO BE 20 AMP RECEPTACLES. NOTE: COORDINATE EXACT LOCATION OF WH, AH, & HP W/ P.C. MECHANICAL CLOSETS IN & M.C. BEFORE BEGINNING WORK. UNIT TYPES 2.0 AND 2.1 4. E.C. TO CONFIRM ALL APPLIANCE LOCATIONS W/ARCH ARE RETURN PLENUMS. A PLANS PRIOR TO BEGINNING WORK. MATERIALS IN PLENUM ARE PROVIDE EXTRA BRACING FOR ANY CEILING FAN. TO BE PLENUM RATED OR CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND WRAPPED W/ PLENUM MOUNTING HEIGHTS FOR ALL OUTLETS BEFORE STARTING WRAP. "ROUGH-IN" WORK. CONTRACTOR SHALL NOT "ROUGH-IN" ANY OUTLET, FIXTURE OR DEVICE OF ANY KIND WITHOUT FIRST ATTENDING A WALK THROUGH OF EACH APARTMENT UNIT WITH THE OWNER AND GENERAL CONTRACTOR FOR COORDINATION OF FINAL LOCATIONS. UNIT PANELS ARE TO BE INSTALLED SO THAT NO TRIM LATCH ON BREAKER IS GREATER THAN 48" AFF. 8. SEE BUILDING PLANS FOR RATING OF UNIT DEMISING WALLS & FLOOR CEILING ASSEMBLIES. COORDINATE VISUAL/HEARING IMPAIRED UNIT DESIGNATIONS WITH G.C. AND ARCH PRIOR TO BID. 10. NOTIFICATION DEVICES SHALL COMPLY WITH 2017 FLORIDA ACCESSIBILITY CODE 809.5.5. TAGGED NOTES - THIS SHEET (1) PROVIDE A SIMPLEX RECEPTACLE FOR MICROWAVE UNIT. MOUNT RECEPTACLE AT BACK OF UPPER CABINET; MICROWAVE UNIT IS MOUNTED OVER RANGE. COORDINATE EXACT LOCATION W/ G.C.. 2 PROVIDE CHANNEL VISION BRAND STRUCTURED WIRING ENCLOSURE FOR NETWORKING PURPOSES WITHIN APARTMENT FOR MODULAR PUSH AND LOCK TELEPHONE, VIDEO, DATA, AND POWER MODULES. THE CABLE TV COAX AND TELEPHONE/DATA CAT 5 FEED FROM THE LOWER LEVEL DATA ROOM(S) SHALL TERMINATE AT THIS BOX IN EACH APARTMENT. THEN FROM THIS BOX SPLIT OFF TO FEED EACH DATA/TELEPHONE/CABLE TV OUTLET WITHIN EACH APARTMENT. USE 19" MODEL C-0119E IN THE 4BR AND 3BR UNITS AND USE 12" MODEL C-0112WE IN THE 2BR AND 1BR UNITS. INSIDE THE SINGLE GANG KNOCKOUT PROVIDED IN EACH STRUCTURED WIRING ENCLOSURE. PROVIDE A DUPLEX ELECTRICAL POWER RECEPTACLE ON CIRCUIT NOTED. 3 CONFIRM EXACT LOCATION OF TV OUTLET W/ OWNER. (4) PROVIDE POWER FOR WATER METER COORD. LOCATOIN W/ P.C.. 5 PROVIDE COUNTER TOP AIR SWITCH NEXT TO SINK FOR GARBAGE DISPOSAL. CONFIRM EXACT LOCATION W/ OWNER. 6 HOOD LIGHTS AND CONTROLS TO BE SWITCHED



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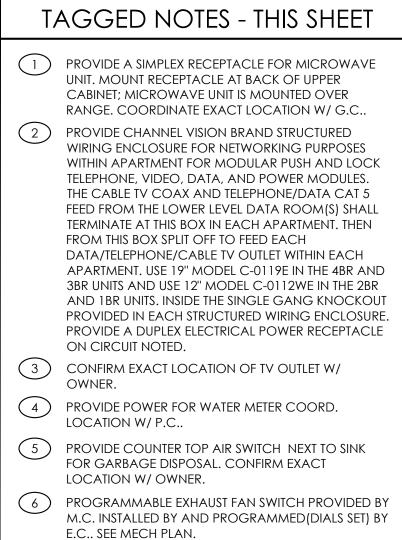




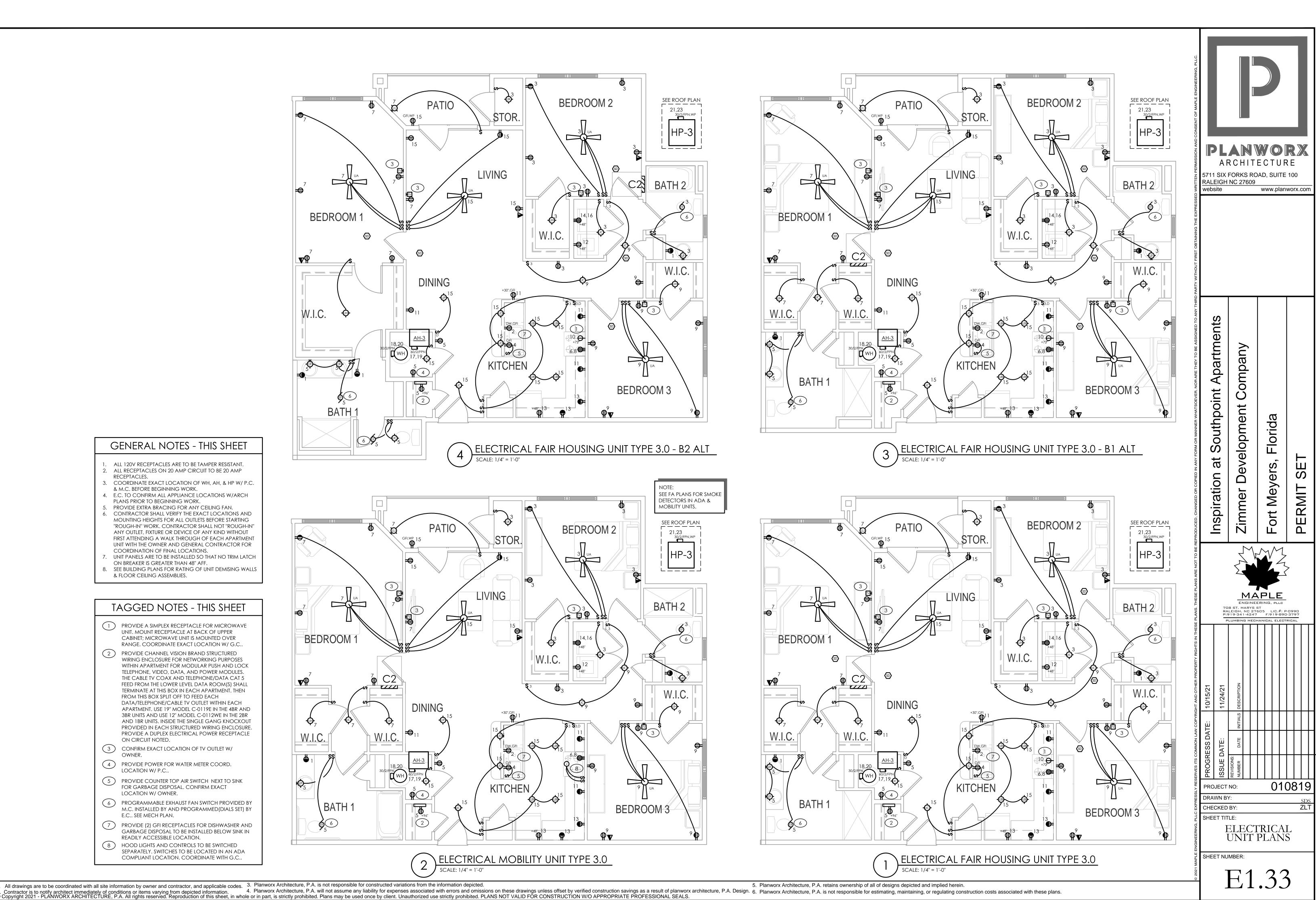
GENERAL NOTES - THIS SHEET

ALL 120V RECEPTACLES ARE TO BE TAMPER RESISTANT. ALL RECEPTACLES ON 20 AMP CIRCUIT TO BE 20 AMP RECEPTACLES.

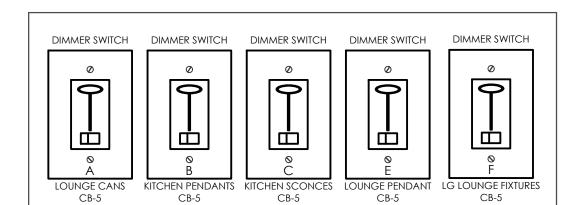
- COORDINATE EXACT LOCATION OF WH, AH, & HP W/ P.C. & M.C. BEFORE BEGINNING WORK.
- E.C. TO CONFIRM ALL APPLIANCE LOCATIONS W/ARCH PLANS PRIOR TO BEGINNING WORK.
- PROVIDE EXTRA BRACING FOR ANY CEILING FAN. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND MOUNTING HEIGHTS FOR ALL OUTLETS BEFORE STARTING "ROUGH-IN" WORK. CONTRACTOR SHALL NOT "ROUGH-IN" ANY OUTLET, FIXTURE OR DEVICE OF ANY KIND WITHOUT FIRST ATTENDING A WALK THROUGH OF EACH APARTMENT UNIT WITH THE OWNER AND GENERAL CONTRACTOR FOR COORDINATION OF FINAL LOCATIONS.
- UNIT PANELS ARE TO BE INSTALLED SO THAT NO TRIM LATCH ON BREAKER IS GREATER THAN 48" AFF. SEE BUILDING PLANS FOR RATING OF UNIT DEMISING WALLS
- & FLOOR CEILING ASSEMBLIES.



- 7 PROVIDE (2) GFI RECEPTACLES FOR DISHWASHER AND GARBAGE DISPOSAL TO BE INSTALLED BELOW SINK IN
- READILY ACCESSIBLE LOCATION. 8 HOOD LIGHTS AND CONTROLS TO BE SWITCHED SEPARATELY. SWITCHES TO BE LOCATED IN AN ADA COMPLIANT LOCATION. COORDINATE WITH G.C..



All drawings are to be coordinated with all site information by owner and contractor, and applicable codes. 3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted.



SWITCH BANK NOTES:

- 1. COORDINATE EXACT SWITCH TYPE W/ OWNER AND FIXTURES & BALLAST(S) BEING CONTROLLED.
- 2. LABEL SWITCHES W/ DESIGNATION SHOWN (I.E. "A", "AN", "W", ETC) & CIRCUIT #.
- 3. PROVIDE PLACARD AT EACH SWITCH INDICATING AREA CONTROLLED.
- 4. DIMMER SWITCH TO INCLUDE ON-OFF SWITCH AT BOTTOM TO ALLOW FOR ONE-TIME
- ADJUSTMENT OF LIGHT LEVELS. 5. HIGHEST POSITION OF HIGHEST SWITCH TO BE NO GREATER THAN 48" AFF (ANSI A117.1)



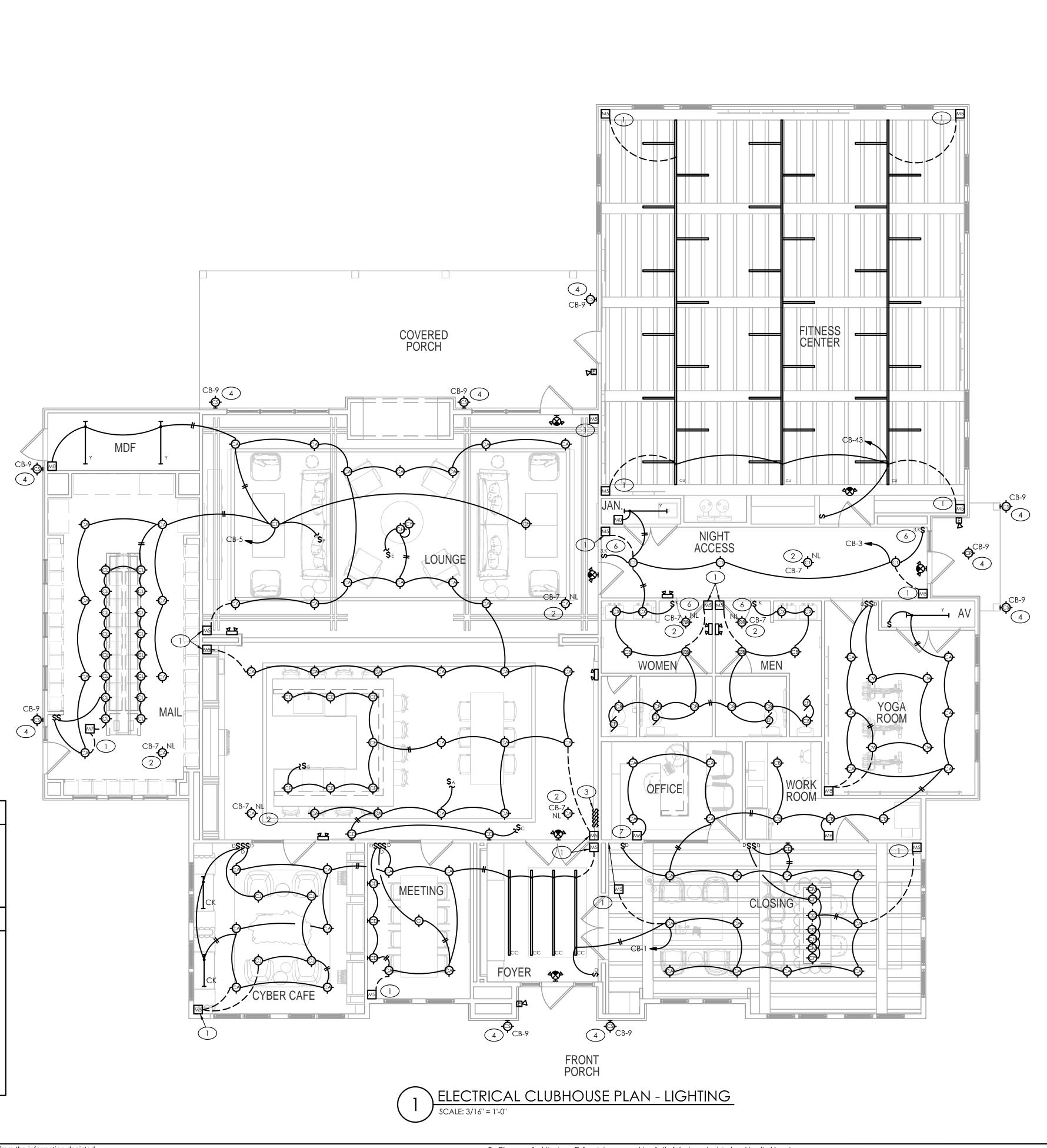
GENERAL NOTES - THIS SHEET

- . ENSURE THAT ALL EXIT AND EMERGENCY LIGHTS ARE CONNECTED TO LOCAL NORMALLY ON LIGHTING CIRCUIT AND ARE WIRED UPSTREAM OF ALL SWITCHES, CONTACTORS, AND SIMILAR.
- SPACE LIGHTING CONTROLLER NOT PROVIDED. 2020 FLECC C405.2 AUTO LIGHT SHUTOFF REQUIREMENT MET VIA AREA MOTION SENSORS.

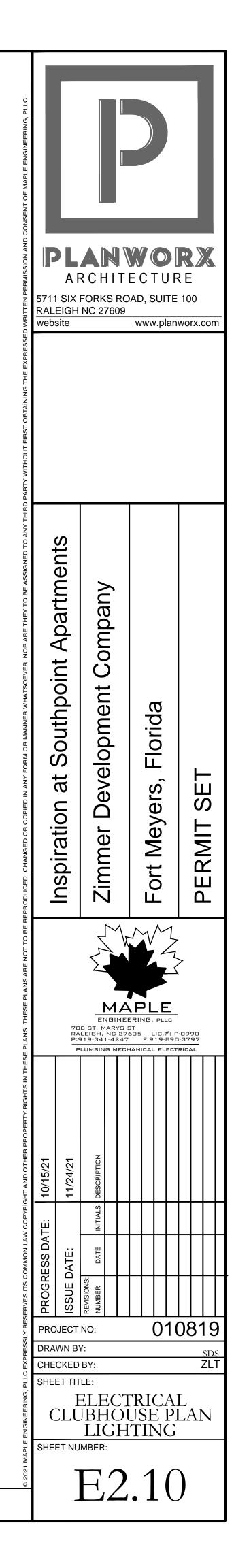
TAGGED NOTES - THIS SHEET

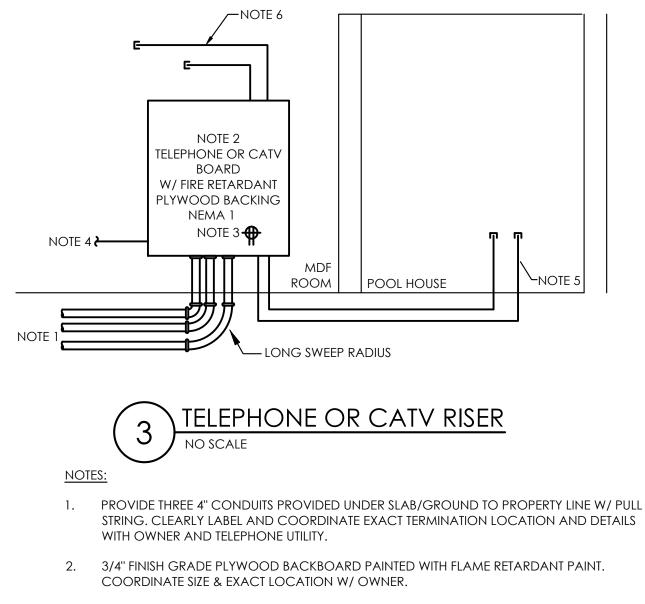
- 1 POWER CIRCUIT FOR AREA LIGHT FIXTURE TO BE WIRED VIA AREA MOTION SENSOR. MOTION SENSOR TO BE UPSTREAM OF AREA SWITCHES. SEE DETAIL.
- 2 FIXTURE TO BE WIRED AS A NIGHT LIGHT.
- 3 PROPOSED SWITCH BANK LOCATION. E.C. TO VERIFY
- 4 LIGHTING CIRCUIT TO BE CONTROLLED VIA PHOTOCELL. SEE PANEL SCHEDULE.
- 5 NOT USED.
- 6 SWITCH TO BE KEY CONTROLLED SWITCH. COORDINATE EXACT SWITCH TYPE AND LOCATION
- WITH OWNER AND G.C..
- 7 MOTION SENSOR SWITCH TO BE SET TO VACANCY MODE (AUTO OFF, MANUAL ON).

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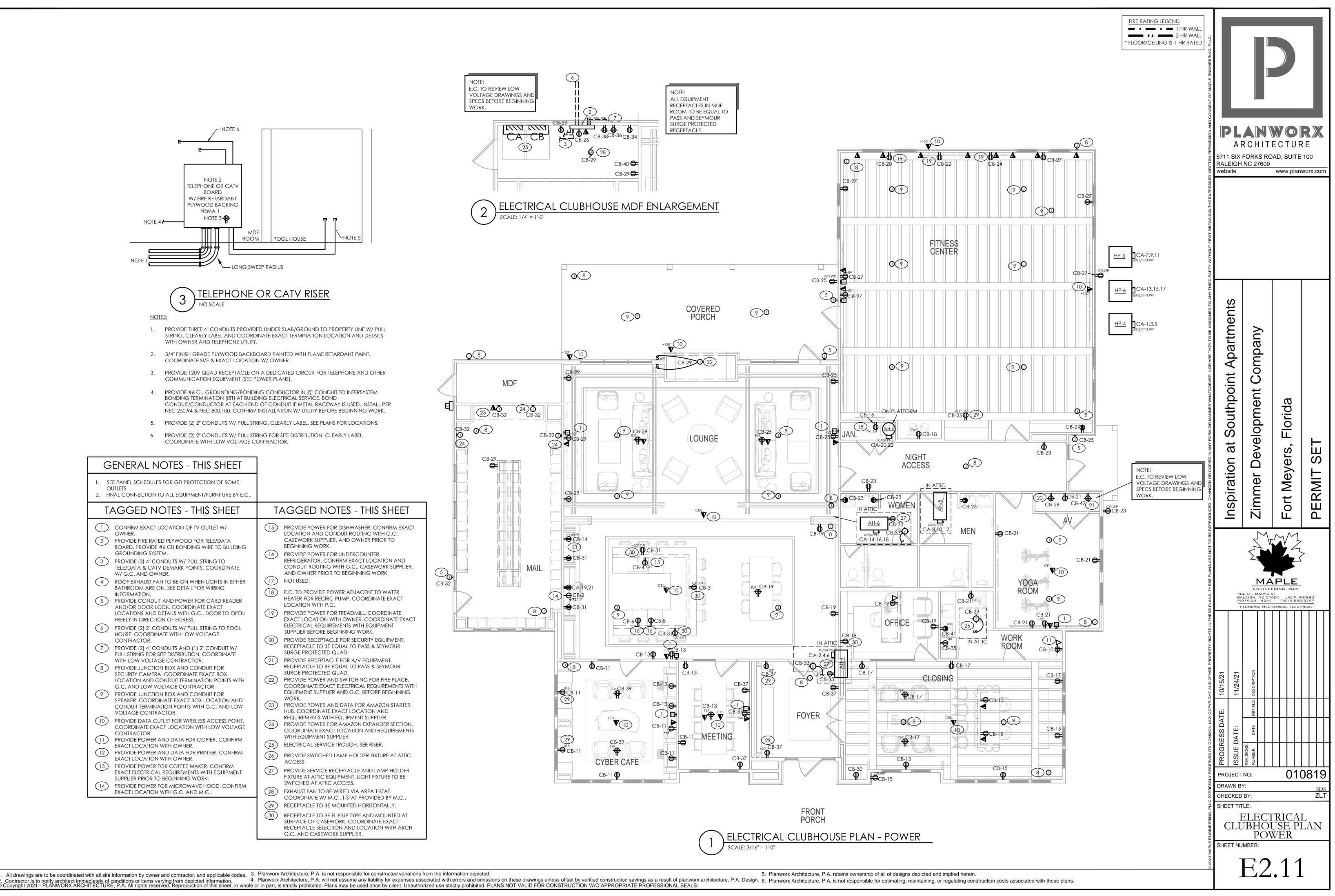
- 3. PROVIDE 120V QUAD RECEPTACLE ON A DEDICATED CIRCUIT FOR TELEPHONE AND OTHER COMMUNICATION EQUIPMENT (SEE POWER PLANS).
- 4. PROVIDE #6 CU GROUNDING/BONDING CONDUCTOR IN $\frac{3}{4}$ " CONDUIT TO INTERSYSTEM BONDING TERMINATION (IBT) AT BUILDING ELECTRICAL SERVICE. BOND CONDUIT/CONDUCTOR AT EACH END OF CONDUIT IF METAL RACEWAY IS USED. INSTALL PER NEC 250.94 & NEC 800.100. CONFIRM INSTALLATION W/ UTILITY BEFORE BEGINNING WORK.
- 5. PROVIDE (2) 2" CONDUITS W/ PULL STRING. CLEARLY LABEL. SEE PLANS FOR LOCATIONS.
- 6. PROVIDE (2) 2" CONDUITS W/ PULL STRING FOR SITE DISTRIBUTION. CLEARLY LABEL. COORDINATE WITH LOW VOLTAGE CONTRACTOR.

 TAGGED NOTES - THIS SHEET PROVIDE POWER FOR DISHWASHER. CONFIRM EXACT LOCATION AND CONDUIT ROUTING WITH G.C., CASEWORK SUPPLIER, AND OWNER PRIOR TO BEGINNING WORK. PROVIDE POWER FOR UNDERCOUNTER REFRIGERATOR. CONFIRM EXACT LOCATION AND CONDUIT ROUTING WITH G.C., CASEWORK SUPPLIER, AND OWNER PRIOR TO BEGINNING WORK. PROVIDE POWER FOR UNDERCOUNTER REFRIGERATOR. CONFIRM EXACT LOCATION AND CONDUIT ROUTING WITH G.C., CASEWORK SUPPLIER, AND OWNER PRIOR TO BEGINNING WORK. NOT USED. E.C. TO PROVIDE POWER ADJACENT TO WATER HEATER FOR RECIRC PUMP. COORDINATE EXACT LOCATION WITH P.C. PROVIDE POWER FOR TREADMILL. COORDINATE EXACT
 PROVIDE POWER FOR DISHWASHER. CONFIRM EXACT LOCATION AND CONDUIT ROUTING WITH G.C., CASEWORK SUPPLIER, AND OWNER PRIOR TO BEGINNING WORK. PROVIDE POWER FOR UNDERCOUNTER REFRIGERATOR. CONFIRM EXACT LOCATION AND CONDUIT ROUTING WITH G.C., CASEWORK SUPPLIER, AND OWNER PRIOR TO BEGINNING WORK. NOT USED. E.C. TO PROVIDE POWER ADJACENT TO WATER HEATER FOR RECIRC PUMP. COORDINATE EXACT LOCATION WITH P.C. PROVIDE POWER FOR TREADMILL. COORDINATE
 LOCATION AND CONDUIT ROUTING WITH G.C., CASEWORK SUPPLIER, AND OWNER PRIOR TO BEGINNING WORK. PROVIDE POWER FOR UNDERCOUNTER REFRIGERATOR. CONFIRM EXACT LOCATION AND CONDUIT ROUTING WITH G.C., CASEWORK SUPPLIER, AND OWNER PRIOR TO BEGINNING WORK. NOT USED. E.C. TO PROVIDE POWER ADJACENT TO WATER HEATER FOR RECIRC PUMP. COORDINATE EXACT LOCATION WITH P.C. PROVIDE POWER FOR TREADMILL. COORDINATE
 ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER BEFORE BEGINNING WORK. 20 PROVIDE RECEPTACLE FOR SECURITY EQUIPMENT. RECEPTACLE TO BE EQUAL TO PASS & SEYMOUR SURGE PROTECTED QUAD. 21 PROVIDE RECEPTACLE FOR A/V EQUIPMENT. RECEPTACLE TO BE EQUAL TO PASS & SEYMOUR SURGE PROTECTED QUAD. 22 PROVIDE POWER AND SWITCHING FOR FIRE PLACE. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER AND G.C. BEFORE BEGINNING WORK. 23 PROVIDE POWER AND DATA FOR AMAZON STARTER HUB. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER. 24 PROVIDE POWER FOR AMAZON EXPANDER SECTION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER. 25 ELECTRICAL SERVICE TROUGH. SEE RISER. 26 PROVIDE SERVICE RECEPTACLE AND LAMP HOLDER FIXTURE AT ATTIC EQUIPMENT. LIGHT FIXTURE AT ATTIC ACCESS. 27 PROVIDE SERVICE RECEPTACLE AND LAMP HOLDER FIXTURE AT ATTIC ACCESS. 28 EXHAUST FAN TO BE WIRED VIA AREA T-STAT. COORDINATE W/ M.C T-STAT PROVIDED BY M.C 29 RECEPTACLE TO BE MOUNTED HORIZONTALLY. 30 RECEPTACLE TO BE FLIP UP TYPE AND MOUNTED AT

RECEPTACLE SELECTION AND LOCATION WITH ARCH

G.C. AND CASEWORK SUPPLIER.

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11/2	PI X



	MICROWAVE(2), DISHWAS MAKER, COPIER, PRINTER, CO COOLER, TREADMILLS, TELE EQUIP., MAIL LOCKERS, FRIE EQUIP.)FFEE, E/DAT DGE, I	REC ABC MDF	IRC F DARD	, SE	IP, WATER CURITY	16.0		1.0		16.0					
ſ						TOTAL	37.4				35.5					
	TOTAL AMPS @ 208	8 V	3	PHA	SE				98.5							
Ī		ľ	•				MDF ROON	Л				-		3 PHASE, 4 WIRE		
ľ	VOLTAGE: 208Y/120V					PAI	NEL:	С	В					SURFACE MOUNTED	>	
ľ	AMPS: 200-MCB					LO	AD PER PHA	 ASE						NEMA 1	ī	
Ī	-DESCRIPTION-	POLE	WIRE SIZE	BRK SIZE	CKT #	А	В		С	CKT #	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-	1	
Ī	LTS: CYBER, CLOSING, YOGA	1	12	20	1	0.9 1.0				2	20	12	1	HOOD MICROWAVE	-	
ſ	LTS: BATHRMS, NIGHT ACCSS	1	12	20	3		0.4 1.5			4	20	12	1	DISHWASHER	2	
ſ	lts: lounge, mail	1	12	20	5			0.8	0.4	6	20	12	1	UC REFRIGERATOR	2 0	
	NIGHT LIGHTS	1	12	20	7	0.1 0.5				8	20	12	1	UC REFRIGERATOR 2	2 0	
С	LTS: EXTERIOR	1	12	20	9		0.1 0.5			10	20	12	1	COPIER WORK ROOM	1	
	REC: CYBER CAFE	1	12	20	11			1.0	0.5	12	20	12	1	PRINTER LOUNGE	-	
Ī	REC: CYBER, MEETING	1	12	20	13	1.0 1.0				14	20	12	1	COFFEE MAKER	2	
Ī	REC: MEETING, CLOSING	1	12	20	15		1.0 0.3			16	20	12	1	RECIRC. PUMP	, ,	
Ī	REC: FOYER, CLOSING, WR	1	12	20	17			1.0	0.4	18	20	12	1	WATER COOLER	2	
Ī	REC: OFFICE, LOUNGE	1	12	20	19	1.0 1.0				20	20	12	1	TREADMILL 1	ī	
ſ	REC: WORK ROOM, YOGA	1	12	20	21		1.2 1.0			22	20	12	1	TREADMILL 2	2	
ſ	rec: yoga, restrooms	1	12	20	23			1.0	1.0	24	20	12	1	TREADMILL 3	3	
ſ	REC: NIGHT ACCESS, FTNESS	1	12	20	25	1.0 0.4				26	20	12	1	TELE/DATA BOARD MDF RM	1	
ſ	REC: FITNESS	1	12	20	27		1.2 0.8			28	20	12	1	SECURITY EQUIPMENT	7	
ſ	REC: LOUNGE, MDF, MAIL	1	12	20	29			1.0	0.4	30	20	12	1	REFRIGERATOR CLOSING RM	1	
Ī	REC: LOUNGE COUNTER	1	12	20	31	1.2 0.3				32	20	12	1	AMZN LOCKERS, CARD RDRS	5	
Ī	LTS/REC: ATTIC	1	12	20	33		0.5 0.6			34	20	12	1	MDF REC.		
FI	WORK ROOM FRIDGE	1	12	20	35			0.6	0.8	36	20	12	1	MDF EQUIPMENT QUAD	7	
ſ	REC: MEETING/FOYER	1	12	20	37	1.0 0.8				38	20	12	1	MDF EQUIPMENT QUAD 2	2	
	REC: CYBER CAFE FLOOR	1	12	20	39		0.8 0.6			40	20	12	1	MDF REC. 2	2	
	WORK ROOM MICROWAVE	1	12	20	41			1.0	0.6	42	20	12	1	A/V EQUIPMENT	ī	
	LTS: FITNESS	1	12	20	43	1.4 0				44	20	-	1	SPARE	-	
	SPACE	1	-	-	45		0 0			46	20	-	1	SPARE	-	
	SPACE	1	-	-	47			0	0	48	20	-	1	SPARE	-	
	SPACE	1	-	-	49	0 0				50	-	-	1	SPACE	:	
	SPACE	1	-	-	51		0 0			52	-	-	1	SPACE	-	
ļ	SPACE	1	-	-	53			0	0	54	-	-	1	SPACE		
╞						12.6	10.5	10	0.5	<u> </u>					4	
$\left \right $	TOTAL					SEE RISER	33.6								+	

kVA DEM. kVA CONN. FACT. DEM.

7.6 1.00 7.6

1.9

1st 10 kVA 10.0 1.0 10.0

REMAINDER 3.8 0.5

1. PANEL SHALL BE SERVICE ENTRANCE RATED EQUAL TO SQUARE D NQ.

PANEL CB LOAD SUMMARY

LOAD TYPE

loads on 200 amp mcb

LIGHTS (5413 SQFT @ 1.4 W/SQFT > CONN. LOAD)

RECEPTACLES

PC - CIRCUIT THROUGH PHOTOCELL LOCATED ON NORTH FACE OF BUILDING.

3. GFI - PROVIDE GFCI BREAKER FOR CIRCUIT. GFCI RECEPTACLES MAY BE USED IN LIEU OF GFCI BREAKERS SO LONG AS THE DEVICE(S) CONFORM TO NEC CODE REQUIREMENTS FOR GFCI

PROTECTION & ACCESSIBILITY.

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							1.05		7 1	_		
HVAC & R			LAR	GE	st motoi	R 5.7	1.25	_	7.1	_		
				RI	EMAINDE	R 17.8	1.0		17.8			
WATER	HEATER (EL	.ECTR	IC)			4.5	1.00		4.5			
	RANGE					8.0	1.00		8.0			
					TOTAL	s 64.8			66.2			
total amps @	208 V	3	B PHA	SE			183.8		00.2	_		
			<u> </u>			MDF ROOM				1		3 PHASE, 4 WIRE
VOLTAGE: 208Y/120V					PA	NEL:	CA					SURFACE MOUNTED
AMPS: 200-MCB					İ)AD PER PHA						NEMA 1
-DESCRIPTION-	POLE	WIRE SIZE	BRK SIZE	CKT #	A	В	С	CKT #	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-
				1	4.4 1.9			2				
AH-4	3	6	50	3		4.4 1.9		4	35	8	3	HP-4
				5			4.4 1.9	6				
				7	3.1 1.7			8				
AH-5	3	8	35	9		3.1 1.8		10	30	10	3	HP-5
				11			3.1 1.7	12				
				13	4.4 1.9			14				
AH-6	3	6	50	15		4.4 1.9		16	35	8	3	HP-6
				17			4.4 1.9	18				
RANGE	2	6	50	19	4.0 2.2			20	30	10	2	WH-4
				21		4.0 2.3		22				
SPACE	1	-	-	23			0 0	24	-	-	1	SPACE
SPACE	1	-	-	25	0 0			26	-	-	1	SPACE
SPACE	1	-	-	27		0 0		28	-	-	1	SPACE
SPACE	1	-	-	29			0 0	30	-	-	1	SPACE
SPACE	1	-	-	-	0 0			32	-	-	1	SPACE
SPACE	1	-	-	33		0 0		34	-	-	1	SPACE
SPACE	1	-	-	35			0 0	36	-	-	1	SPACE
SPACE SPACE		-	-	37 39	0 0	0 0		38 40	-	-	1	SPACE
SPACE		-	-	41		0 0	0 0	40	-	-	1	SPACE SPACE
SFACE		-	-	41	23.6	23.8	17.4	42	-	-		JF ACL
Т	OTAL CON			<u> </u>		64.8	17.4				<u>لارم</u>	66.2
	PANEL RM											183.8

kVA DEM. kVA

CONN. FACT. DEM.

ELEC HEAT 28.8 1.0 28.8

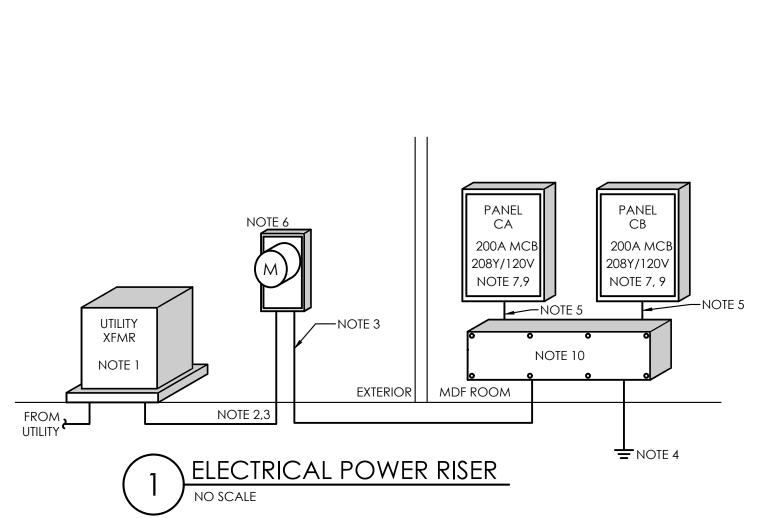
1. PANEL SHALL BE SERVICE ENTRANCE RATED EQUAL TO SQUARE D NQ.

PANEL CA LOAD SUMMARY

LOAD TYPE

loads on 200 amp mcb

PROVIDE HACR BREAKERS FOR HVAC & REFRIGERATION EQUIPMENT. 3. VERIFY BREAKER AND WIRE SIZE REQUIREMENTS WITH EQUIPMENT NAMEPLATE BEFORE BEGINNING WORK.



RISER DIAGRAM NOTES: 1. PAD MOUNTED TRANSFORMER BY UTILITY.

- BEGINNING WORK.

- ONE GROUNDING ELECTRODE SYSTEM.
- 5. (4) #3/0 CU, 2" CONDUIT.

2. SECONDARY CONDUCTORS SIZED, PROVIDED & INSTALLED BY E.C., CONFIRM INSTALLATION W/ UTILITY BEFORE

3. (2) SETS OF (4) #3/0 CU, 2" CONDUITS.

4. #1/0 CU MAIN GROUNDING ELECTRODE CONDUCTOR TO GROUNDING SYSTEM (SEE DETAIL). BUILDING SHALL HAVE

6. 400A METER BASE PER UTILITY REQUIREMENTS. METER BY UTILITY.

7. PROVIDE PLACARD INDICATING AVAILABLE AIC FAULT CURRENT (NEC 110.24).

8. PROVIDE PLACARD INDICATING ARC-FLASH HAZARD AT PANEL(S)/DISCONNECT(S). (NEC 110.16)

9. UTILITY TRANSFORMER SPECS UNKNOWN AT TIME OF DESIGN COMPLETION. DESIGN IS BASED ON 42,000AIC. E.C. TO

VERIFY TRANSFORMER PROPERTIES WITH UTILITY PRIOR TO PURCHASING EQUIPMENT. IF TRANSFORMER AIC IS LESS LOWER

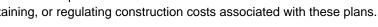
RATED EQUIPMENT MAY BE USED. IF HIGHER CONTACT ENGINEER. CIRCUIT BREAKERS WITH A LESSER LABELED AIC RATING MAY BE USED IF THOSE BREAKERS ARE PAIRED WITH AN UPSTREAM BREAKER OR FUSE AS PART OF A UL SERIES RATED COMBINATION. PAIRED DEVICES MUST BE IN ACCORDANCE WITH NEC 240.86. LABEL PER NEC 110.22(C).

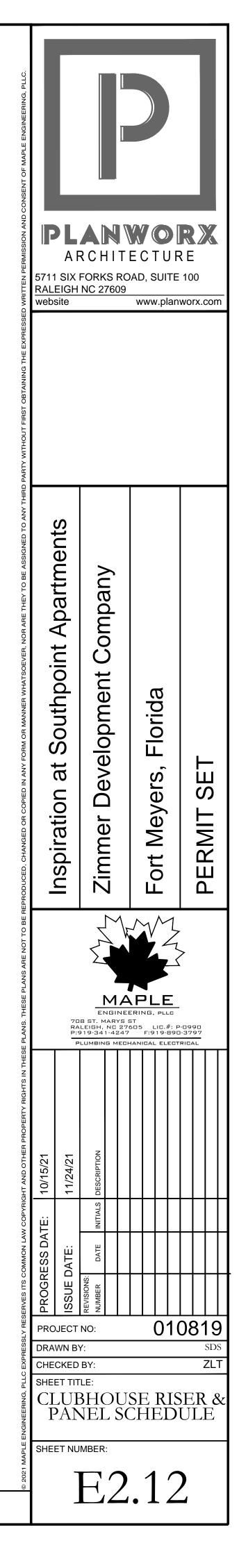
CONFIRM W/ EQUIPMENT MFG BEFORE PURCHASE. E.C. TO PROVIDE FIELD INSPECTOR WITH MFG'S DOCUMENTATION

REGARDING UL SERIES RATING OF PAIRED BREAKERS/FUSES.

10. SERVICE TROUGH W/ NEUTRAL TERMINAL BLOCK. BOND TO ENCLOSURE & GROUNDING SYSTEM.

11. SERVICE ENTRANCE RATED WEATHERPROOF DISCONNECT SIZED AND FUSED AS INDICATED.





GENERAL NOTES - THIS SHEET	TAGGED NOTES - THIS SHEET	TAGGED NOTES - THIS SHEET	TAGGED NOTES - THIS SHEET	TAGGED NOTES - THIS SHEET
 SEE PANEL SCHEDULES FOR GFI PROTECTION OF SOME OUTLETS. FINAL CONNECTION TO ALL EQUIPMENT/FURNITURE BY E.C. 	 PROVIDE POWER & GFCI PROTECTION FOR POOL PUMPS. PROVIDE WITH NEMA 4X RATED DISCONNECT SWITCH. COORDINATE EXACT LOCATION & SPEC W/ G.C. & POOL CONTRACTOR BEFORE BEGINNING WORK. FINAL CONNECTION BY E.C PROVIDE EMERGENCY "PUSH IN" POWER OFF SWITCH FOR POOL PUMPS. VERIFY LOCATION W/ LOCAL AHJ. WIRE TO SHUNT TRIP BREAKERS IN PANEL. SEE PANEL SCHEDULE. PROVIDE EMERGENCY PHONE RECEPTACLE. FIELD VERIFY LOCATION W/ LOCAL AHJ. PROVIDE POWER AND SWITCH FOR FIRE PLACE. COORDINATE EXACT REQUIRMENTS WITH EQUIPMENT SUPPLIER AND G.C PROVIDE (2) 1" CONDUITS W/ CIRCUITS AS SHOWN TO POOL FOR POOL LIGHTS AND OTHER POOLSIDE EQUIPMENT. COORDINATE EXACT SIZE & LOCATIONS W/ G.C. & POOL CONTRACTOR. CIRCUIT TO BE CONTROLLED VIA TIME CLOCK. 	 ATTIC EXHAUST FAN TO BE WIRED FOR CONTINUOUS OPERATION. COORDINATE W/ M.C CORROSIVE ENVIRONMENT (NEC 680.14). SEE GENERAL NOTES SHEET E0.01. CHLORINATOR TO BE WIRED TO THE MAIN POOL PUMP AND POOL FILTRATION SYSTEM. COORDINATE EXACT LOCATION & WIRING DETAILS W/ POOL CONTRACTOR. PROVIDE 60 MINUTE TIME SWITCH FOR FANS. SWITCH TO BE EQUAL TO LEVITON LTB60-1LZ. PROVIDE WEATHERPROOF ENCLOSURE. E.C. TO COORDINATE WITH POOL CONTRACTOR TO ENSURE A GFI, WEATHER PROOF, RECEPTACLE IS PROVIDED WITHIN 20' OF EDGE OF POOL (BUT NO CLOSER THAN 6') AS REQUIRED BY NEC 680.22(A)(1). AIR HANDLER UNIT TO BE WIRED VIA OUTDOOR UNIT. E.C. TO INSTALL HIGH VOLTAGE WIRING. PROVIDE LOCKABLE DISCONNECT AT OUTDOOR UNIT TO SERVE AS AIR HANDLER DISCONNECT (LESS THAN 300 WATTS). 	 CONFIRM EXACT LOCATION OF TV OUTLET W/ OWNER. OUTSIDE AIR DAMPER TO BE SWITCHED AND POWERED VIA AREA LIGHTING AS SHOWN. COORDINATE WITH M.C PROVIDE DATA OUTLET FOR WIRELESS ACCESS POINT. COORDINATE EXACT LOCATION WITH LOW VOLTAGE CONTRACTOR. POWER CIRCUIT FOR AREA LIGHT FIXTURE TO BE WIRED VIA AREA MOTION SENSOR. MOTION SENSOR TO BE UPSTREAM OF AREA SWITCHES. SEE DETAIL. MOTION SENSOR TO BE ON 20 MINUTE TIMER. IGHTING CIRCUIT TO BE CONTROLLED VIA PHOTOCELL. SEE PANEL SCHEDULE. RECEPTACLE TO BE WIRED VIA LOAD SIDE OF GFI OUTLET SHOWN. 	 19 NOT USED. 20 SWITCH TO BE KEY CONTROLLED SWITCH. COORDINATE EXACT SWITCH TYPE AND LOCATION WITH OWNER AND G.C 21 PROVIDE CONDUIT AND POWER FOR CARD READER AND/OR DOOR LOCK. COORDINATE EXACT LOCATIONS AND DETAILS WITH G.C 22 PROVIDE JUNCTION BOX AND CONDUIT FOR SECURITY CAMERA. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR AND EQUIPMENT SUPPLIER. 23 PROVIDE JUNCTION BOX AND CONDUIT FOR SPEAKER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR AND EQUIPMENT SUPPLIER.

					1
PA	NEL P LOAD SUMM	<u>1ARY</u>			
LO	kVA CONN.	DEM. FACT.	kVA DEM.		
LIGHTS (842 SQF	(@ 2 W/SQFT > CONN. LOAD)	1.9	1.25	2.4	
	1st 10 kVA	2.6	1.0	2.6	
RECEPTACLES	REMAINDER	0.0	0.5	0.0	
	ELEC HEAT	3.0	1.0	3.0	
HVAC & R	LARGEST MOTOR	3.7	1.25	4.6	1
	REMAINDER	0.0	1.0	0.0	
WATER	R HEATER (ELECTRIC)	4.5	1.25	5.6	
EV	VC, FIRE PLACE	2.0	1.0	2.0	
	pool pumps	15.0	1.25	18.8	ТС
	TOTALS	32.7		39.0	ТС
total amps @	208 V 3 PHASE		108.2		

							EXTE	RIOR O	F BUIL	DING						3 PHASE, 4 WIRE		
	VOLTAGE: 208Y/120V						PA	١N	EL	: P)					SURFACE MOUNTED		
	AMPS: 200-MCB						LC	DAD PEI	R PHA	SE						NEMA 3F		
	-DESCRIPTION-	POLE	WIRE SIZE	BRK SIZE	CKT #	A	`	В		(2	CKT #	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-		
	1111.1				1	1.5	0					2				Shunt trip		
	UH-1	2	12	20	3			1.5	2.5			4	30	10	2	POOL EQUIP RM PUMP		
	AH/HP-12	2	10	25	5					1.8	2.5	6						
	An/nr-12	Z	10	25	7	1.9	0					8				Shunt trip		
#7	FIRE PLACE	1	12	20	9			1.2	2.5			10	30	10	2	POOL EQUIP RM PUMP		
	WH-2	2	10	30	11					2.2	2.5	12						
	VV11-Z	2	10	30	13	2.3	2.5					14				POOL EQUIP RM PUMP		
	SPACE	1	-	-	15			0	2.5			16	30	10	2			
GFI	EWC	1	12	20	17					0.8	0	18				Shunt trip		
	SPACE	1	-	-	19	0	0.7					20	20	12	1	EXHAUST FANS/REC		
	SPACE	1	-	-	21			0	1.0			22	20	12	1	GATHER TV'S/REC		
	REC: BATH GFI'S/EXT	1	12	20	23					1.0	0	24	20	-	1	SPARE		
	SPACE	1	-	-	25	0	0.3					26	20	12	1	LTS: INTERIOR		
GFI	LTS: POOL	1	12	20	27			0.5	0.2			28	20	12	1	FAN: GATHER		
GFI	LTS: POOL	1	12	20	29					0.5	0.3	30	20	12	1	LTS: EXTERIOR		
	SPACE	1	-	-	31	0	0					32	20	-	1	SPARE		
	SPACE	1	-	-	33			0	0			34	20	-	1	SPARE		
	SPACE	1	-	-	35					0	0	36	20	-	1	SPARE		
	SPACE	1	-	-	37	0	0					38	20	-	1	SPARE		
	SPACE	1	-	-	39			0	0			40	20	-	1	SPARE		
	SPACE	1	-	-	41					0	0	42	-	-	1	SPACE		
						9.	2	11	.9	11	.6							
	TOTA	L CON	NECT	ED k'	VA:			32	.7				DEM	AND	kVA:	39.0		
	PA	PANEL RMS SYM. AMPS										D	EMAI	ND A	MPS:	108.2		

1. PANEL SHALL BE SERVICE ENTRANCE RATED, EQUAL TO SQUARE D NQ. 2. L - INDICATES LOCK-OFF ATTACHMENT REQUIRED (ATTACHMENT TO MEET NEC REQ'S FOR APPLIANCE

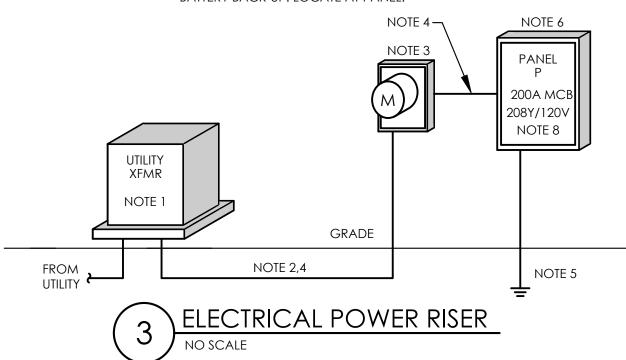
DISCONNECT) 3. LO - INDICATES LOCK-ON ATTACHMENT REQUIRED

4. POOL PUMP SHUNT TRIP TO BE WIRED TO EMERGENCY STOP SWITCH. SEE PLAN FOR LOCATION.

POWER SHUNT TRIP VIA CIRCUIT P-26. 5. GFI - PROVIDE GFCI BREAKER FOR CIRCUIT. GFCI RECEPTACLES MAY BE USED IN LIEU OF GFCI BREAKERS SO LONG AS THE DEVICE(S) CONFORM TO NEC CODE REQUIREMENTS FOR GFCI PROTECTION & ACCESSIBILITY.

6. PC - CIRCUIT THROUGH PHOTOCELL LOCATED ON NORTH FACE OF BUILDING. 7. VERIFY BREAKER AND WIRE SIZE REQUIREMENTS WITH EQUIPMENT NAMEPLATE BEFORE BEGINNING WORK.

8. TC - CIRCUIT THROUGH 7-DAY PROGRAMMABLE ASTRONOMICAL TIME SWITCH WITH AUTO-DUSK, AUTO-DAWN FEATURE EQUAL TO LEVITON VPT24-1PZ. SWITCH TO INCLUDE MANUAL OVERRIDE AND BATTERY BACK-UP. LOCATE AT PANEL.

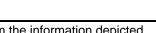


RISER DIAGRAM NOTES:

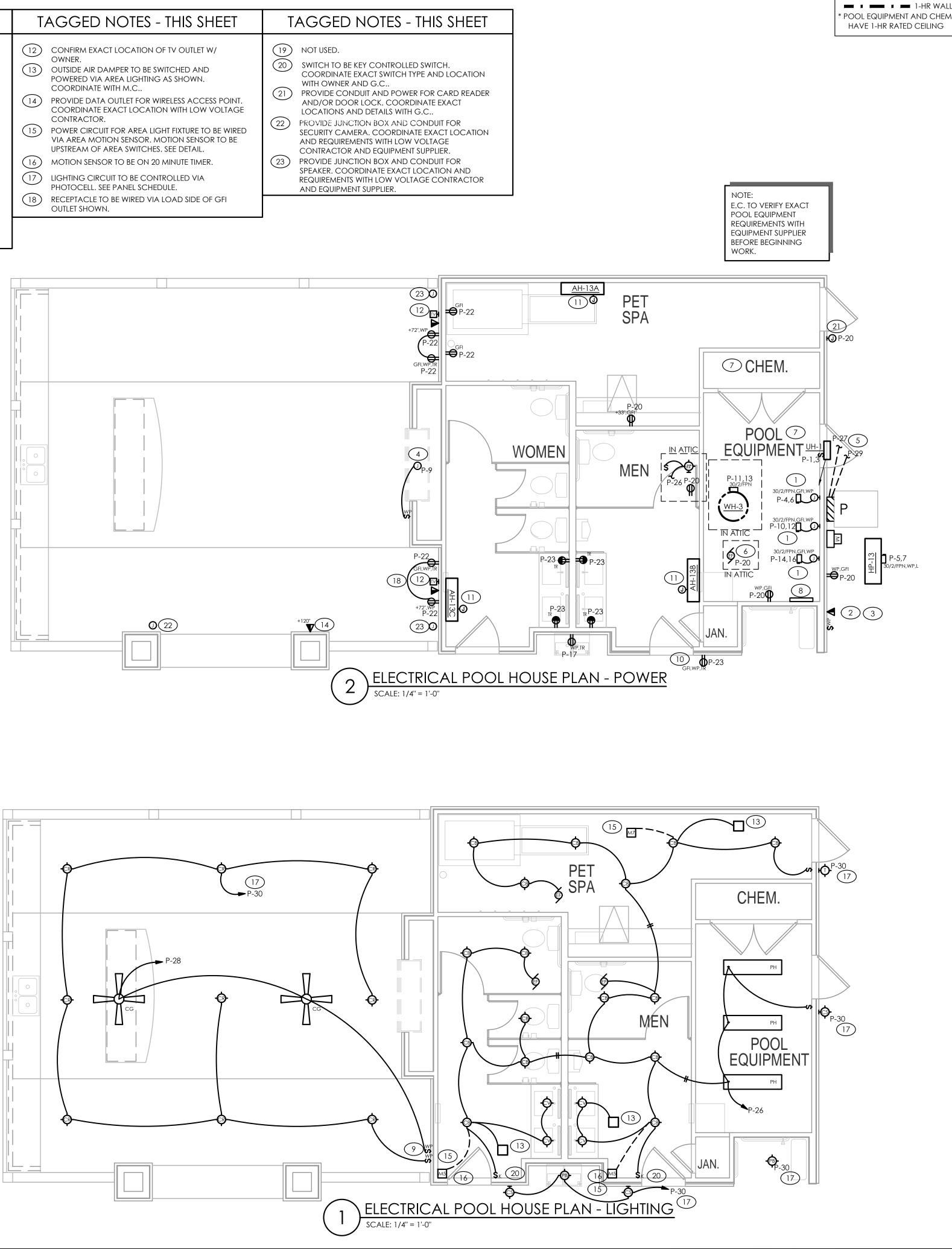
- 1. PAD MOUNTED TRANSFORMER BY UTILITY.
- 2. SECONDARY CONDUCTORS SIZED, PROVIDED & INSTALLED BY E.C., CONFIRM INSTALLATION W/ UTILITY BEFORE BEGINNING WORK.
- 3. 200A METER BASE PER UTILITY REQUIREMENTS. METER BY UTILITY. 4. (4)#3/0 CU, 2" CONDUIT
- 5. #4 CU MAIN GROUNDING ELECTRODE CONDUCTOR TO GROUNDING SYSTEM (SEE DETAIL). BUILDING SHALL HAVE ONE GROUNDING ELECTRODE SYSTEM.
- 6. PROVIDE PLACARD INDICATING AVAILABLE AIC FAULT CURRENT (NEC 110.24).
- 7. PROVIDE PLACARD INDICATING ARC-FLASH HAZARD AT PANEL(S)/DISCONNECT(S). (NEC 110.16) 8. UTILITY TRANSFORMER SPECS UNKNOWN AT TIME OF DESIGN COMPLETION. DESIGN IS BASED ON 65,000AIC. E.C. TO VERIFY TRANSFORMER PROPERTIES WITH UTILITY PRIOR TO PURCHASING EQUIPMENT. IF TRANSFORMER AIC IS LESS LOWER RATED EQUIPMENT MAY BE USED. IF HIGHER CONTACT ENGINEER. CIRCUIT BREAKERS WITH A LESSER LABELED AIC RATING MAY BE USED IF THOSE BREAKERS ARE PAIRED WITH AN UPSTREAM BREAKER OR FUSE AS PART OF A UL SERIES RATED COMBINATION. PAIRED DEVICES MUST BE IN ACCORDANCE WITH NEC 240.86. LABEL PER NEC 110.22(C). CONFIRM W/ EQUIPMENT MFG BEFORE PURCHASE. E.C. TO PROVIDE FIELD INSPECTOR WITH MFG'S DOCUMENTATION REGARDING UL SERIES RATING OF PAIRED BREAKERS/FUSES.

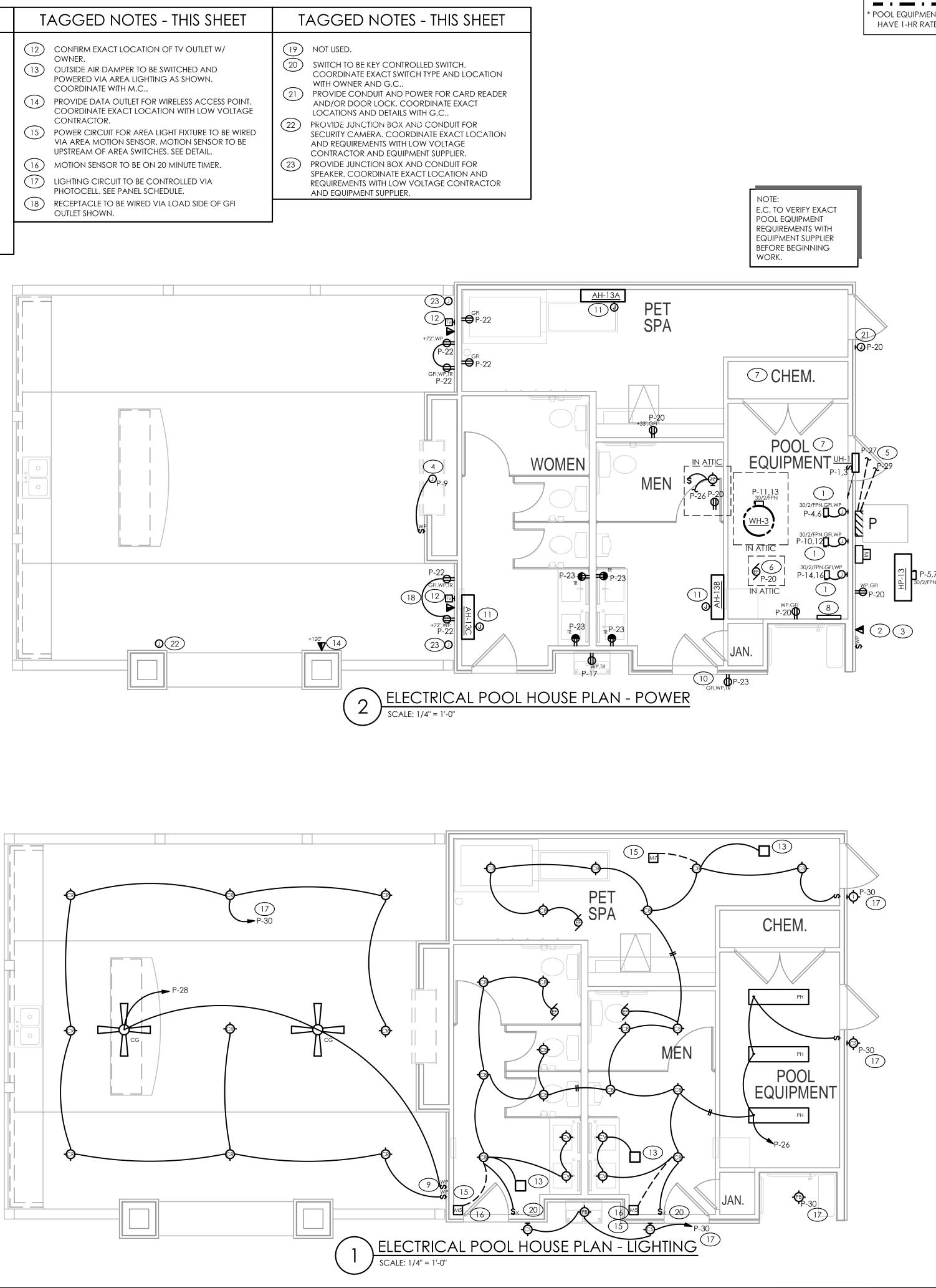
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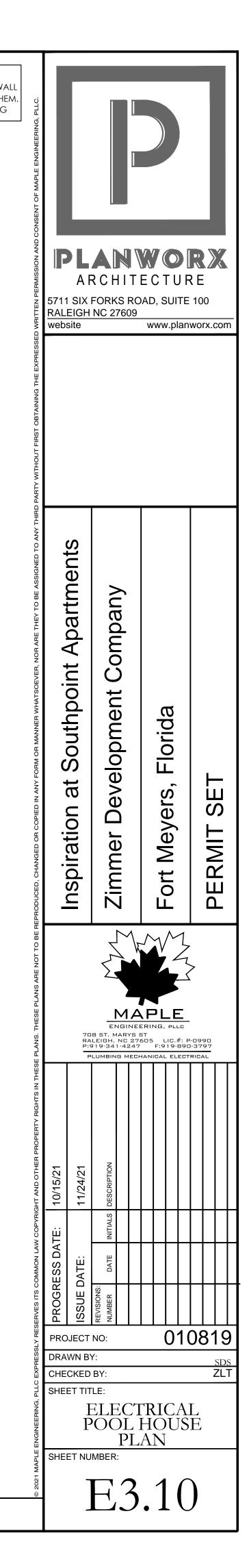




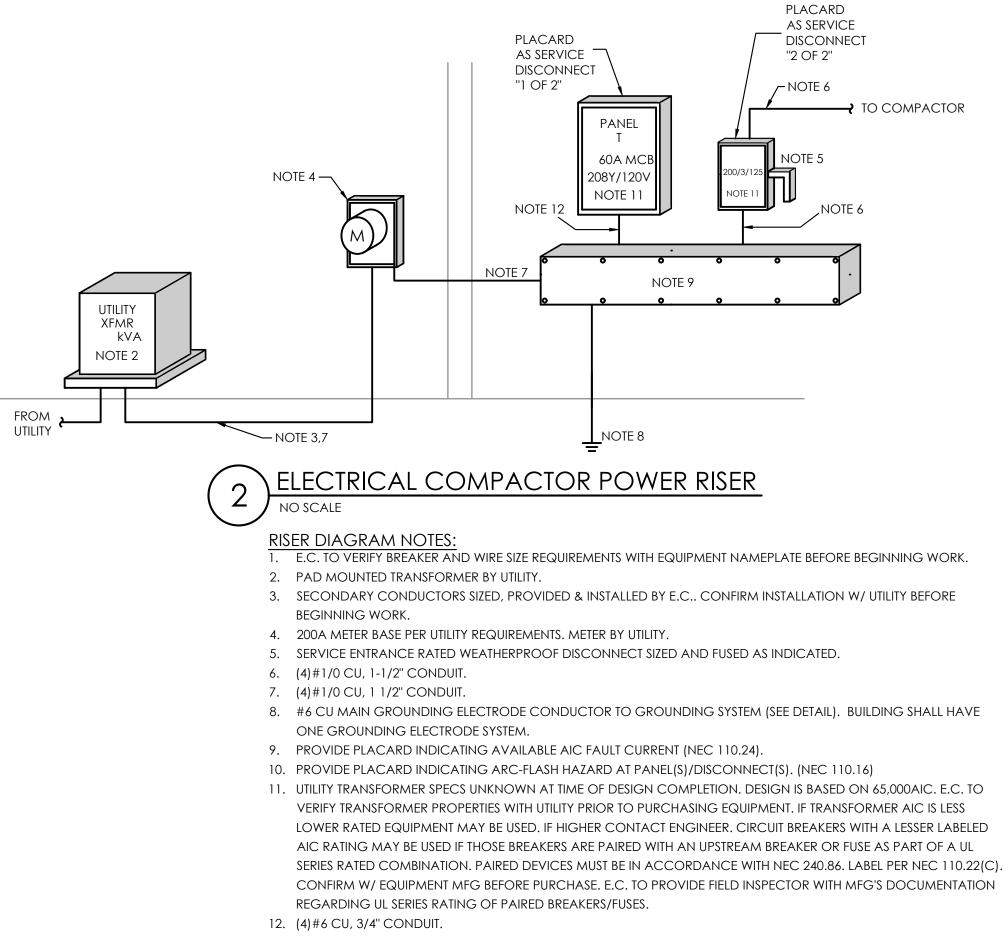








FIRE RATING LEGEND



NOTE:	
E.C. TO CC	
	LOCATION OF
TRASH CO	MPACTOR WITH
G.C. PRIOF	r to bid.

						trash Co	OMPACTOR E	NCLOSURE					3 PHASE, 4 WIRE
	VOLTAGE: 208Y/120V					PA	ANEL	: T					SURFACE MOUNTED
	AMPS: 60-MCB					LC	DAD PER PHA	SE					NEMA 3R
	-DESCRIPTION-	POLE	WIRE SIZE	BRK SIZE	CKT #	А	В	С	CKT #	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-
PC	LTS: TRASH COMPACTOR	1	12	20	1	0.1 0			2	-	-	1	SPACE
	REC: NEXT TO PANEL	1	12	20	3		0.2 0		4	-	-	1	SPACE
	SPACE	1	-	-	5			0 0	6	-	-	1	SPACE
						0.1	0.2	0.0					
	TOTAL	CON	NECT	ED k۱	/A:		0.3			DEM.	AND	kVA:	0.3
	PANE	LRM	S SYN	I. AM	PS:	SEE RISE	R		D	EMAI	ND A	MPS:	0.9

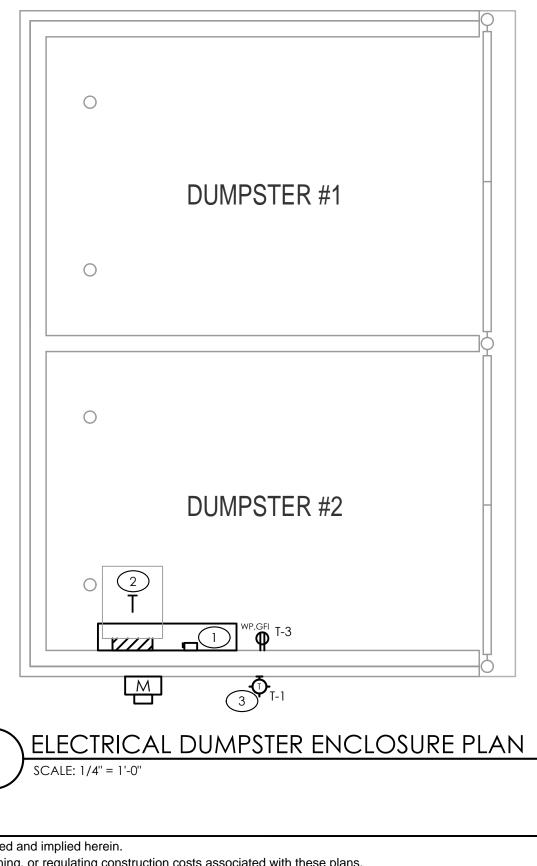
1. PANEL SHALL BE SERVICE ENTRANCE RATED EQUAL TO SQUARE D QO. 2. PC - CIRCUIT THROUGH PHOTOCELL LOCATED ON NORTH FACE OF BUILDING.

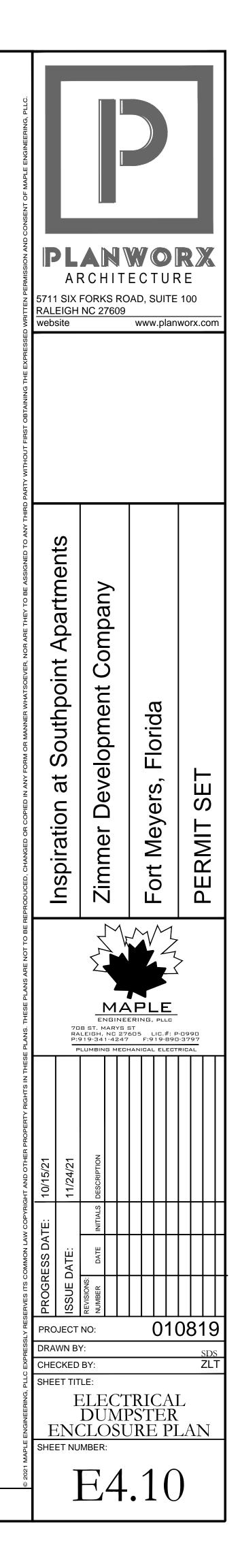
PAN	VEL	ΤL	0/	ad sumn	IARY		
	DAD .ds on 60				kVA CONN.	DEM. FACT.	kVA DEM.
LIGHT	10) s	NN. LO	DAD)		0.1	1.25	0.1
RECEPTACIES				1st 10 kVA	0.2	1.0	0.2
RECEPTACEES				REMAINDER	0.0	0.5	0.0
				TOTALS	0.3		0.3
total amps @	208	V	3	PHASE		0.9	

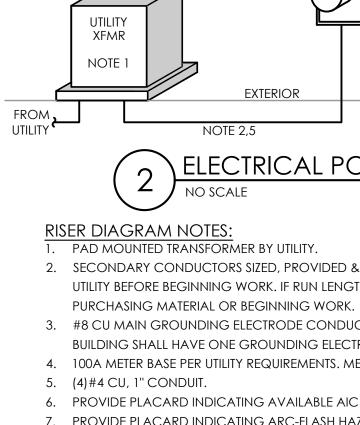
TAGGED NOTES - THIS SHEET

- 1 PROVIDE DISCONNECT & POWER AS SHOWN FOR TRASH COMPACTOR. SEE RISER FOR DETAILS. CONFIRM REQ'S W/ MANUFACTURERS INSTRUCTINOS. FINAL CONNECTIONS BY E.C..
- 2 PROVIDE LOAD CENTER FOR AREA LIGHT & RECEPTACLE CIRCUIT. SEE RISER FOR DETAILS.
- 3 EXTERIOR LIGHT FIXTURE CIRCUITED VIA PHOTOCELL. SEE PANEL SCHEDULE.

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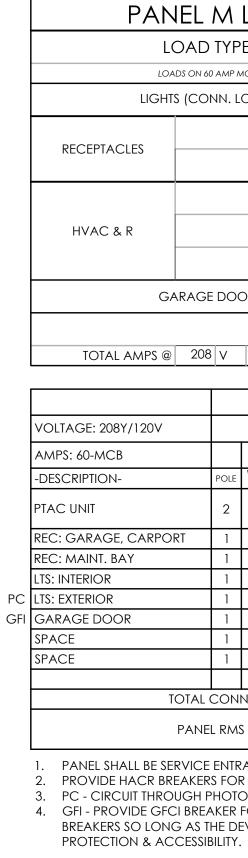


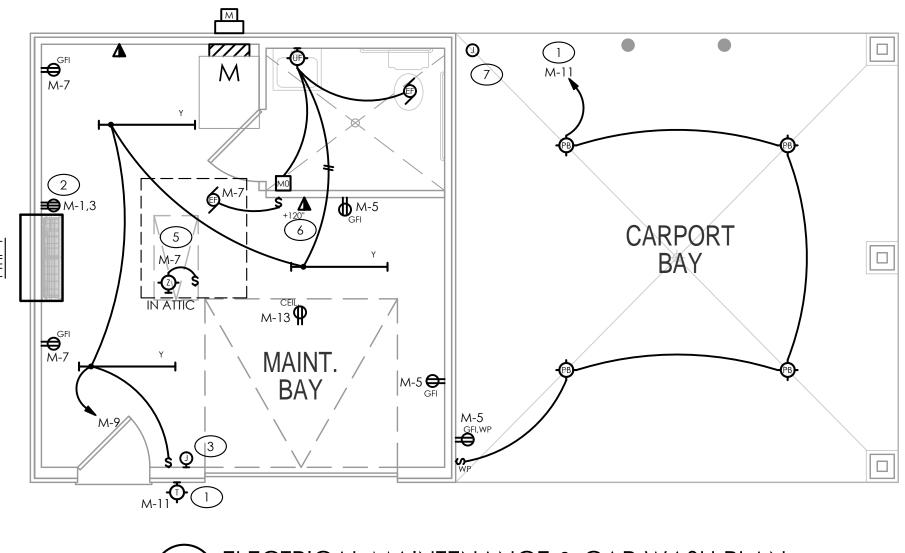




BREAKERS/FUSES.

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PANEL Μ 60A MC 208Y/120 NOTE 6,8 EXTERIOR MAINT. BAY Hote 3 NOTE 2,5 ELECTRICAL POWER RISER

NOTE 4

NOTE 2,5

NO SCALE

2. SECONDARY CONDUCTORS SIZED, PROVIDED & INSTALLED BY E.C., CONFIRM INSTALLATION W/ UTILITY BEFORE BEGINNING WORK. IF RUN LENGTH EXCEEDS 150', CONTACT ENGINEER PRIOR TO

- 3. #8 CU MAIN GROUNDING ELECTRODE CONDUCTOR TO GROUNDING SYSTEM (SEE DETAIL). BUILDING SHALL HAVE ONE GROUNDING ELECTRODE SYSTEM.
- 4. 100A METER BASE PER UTILITY REQUIREMENTS. METER BY UTILITY.

6. PROVIDE PLACARD INDICATING AVAILABLE AIC FAULT CURRENT (NEC 110.24).

7. PROVIDE PLACARD INDICATING ARC-FLASH HAZARD AT PANEL(S)/DISCONNECT(S). (NEC 110.16) 8. UTILITY TRANSFORMER SPECS UNKNOWN AT TIME OF DESIGN COMPLETION. DESIGN IS BASED ON 65,000AIC. E.C. TO VERIFY TRANSFORMER PROPERTIES WITH UTILITY PRIOR TO PURCHASING EQUIPMENT. IF TRANSFORMER AIC IS LESS LOWER RATED EQUIPMENT MAY BE USED. IF HIGHER CONTACT ENGINEER. CIRCUIT BREAKERS WITH A LESSER LABELED AIC RATING MAY BE USED IF THOSE BREAKERS ARE PAIRED WITH AN UPSTREAM BREAKER OR FUSE AS PART OF A UL SERIES RATED COMBINATION. PAIRED DEVICES MUST BE IN ACCORDANCE WITH NEC 240.86. LABEL PER NEC 110.22(C). CONFIRM W/ EQUIPMENT MFG BEFORE PURCHASE. E.C. TO PROVIDE FIELD INSPECTOR WITH MFG'S DOCUMENTATION REGARDING UL SERIES RATING OF PAIRED

GENERAL NOTES - THIS SHEET

I. FINAL CONNECTION TO ALL EQUIPMENT/FURNITURE BY E.C.

TAGGED NOTES - THIS SHEET

- 1 LIGHTING CIRCUIT TO BE CONTROLLED VIA
- PHOTOCELL. SEE PANEL SCHEDULE.
- 2 PROVIDE NEMA6-20R RECEPTACLE FOR PTAC UNIT. COORDINATE EXACT CONNECTION TYPE WITH M.C.. 3 PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO
- GARAGE DOOR OPENER FOR CONTROLS. PROVIDE PULL WIRE. COORDINATE W/ EQUIPMENT SUPPLIER AND OWNER.
- 4 PROVIDE POWER RECEPTACLE AT CEILING FOR GARAGE DOOR OPENER. COORDINATE EXACT LOCATION W/ OWNER AND EQUIPMENT SUPPLIER.
- (5) PROVIDE SWITCHED LIGHT FIXTURE IN ATTIC. LOCATE SWITCH AT ATTIC ACCESS.
- 6 PROVIDE DATA OUTLET FOR WIRELESS ACCESS POINT. COORDINATE EXACT LOCATION WITH LOW VOLTAGE
- (7) PROVIDE JUNCTION BOX AND CONDUIT FOR AND REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR AND EQUIPMENT SUPPLIER.

CONTRACTOR. SECURITY CAMERA. COORDINATE EXACT LOCATION

el m load sumn	1AR)	(
DAD TYPE	kVA	DEM.	kVA
DS ON 60 AMP MCB	CONN.	FACT.	DEM.
S (CONN. LOAD)	0.4	1.25	0.5
1st 10 kVA	1.0	1.0	1.0
REMAINDER	0.0	0.5	0.0
ELEC HEAT	3.0	1.0	3.0
LARGEST MOTOR	0.0	1.25	0.0
REMAINDER	0.0	1.0	0.0
RAGE DOOR	0.8	1.25	1.0
TOTALS	5.2		5.5
208 V 3 PHASE		15.3	

	-														
							MAIN	IT. BAY							3 PHASE, 4 WIRE
						PΑ	N	EL:	: N	1					SURFACE MOUNTED
						LC	DAD PE	R PHA	SE						NEMA 1
	POLE	WIRE SIZE	BRK SIZE	CKT #	A	٩	E	3	(2	CKT #	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-
	2	12	20	1	1.6	0					2	20	-	1	SPARE
	Z	12	20	3			1.6	0			4	20	-	1	SPARE
RT	1	12	20	5					0.4	0	6	20	-	1	SPARE
	1	12	20	7	0.6	0					8	20	-	1	SPARE
	1	12	20	9			0.2	0			10	-	-	1	SPACE
	1	12	20	11					0.2	0	12	-	-	1	SPACE
	1	12	20	13	0.8	0					14	-	-	1	SPACE
	1	-	-	15			0	0			16	-	-	1	SPACE
	1	-	-	17					0	0	18	-	-	1	SPACE
					3.	.0	1.	.8	0	.6					
OTAL	CON	NECT	ED k'	VA:			5	.4				DEM,	AND	kVA:	5.5
PANE	LRMS	S SYN	1. AM	PS:	SEE	RISE	R				D	EMAI	ND A	MPS:	15.3

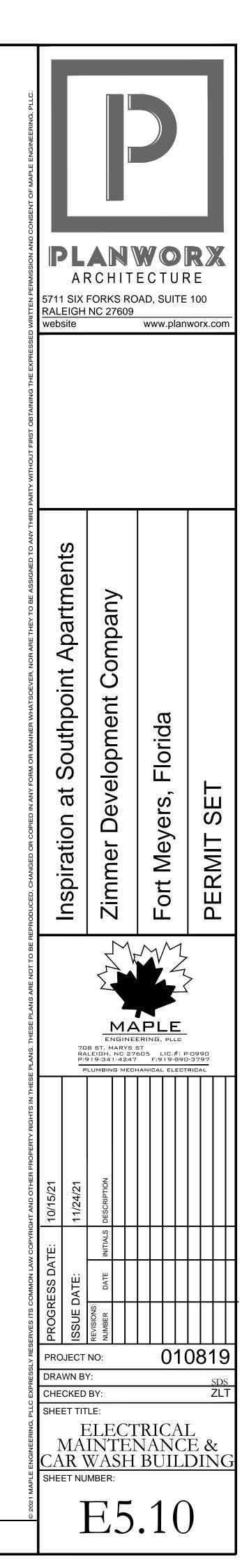
PANEL SHALL BE SERVICE ENTRANCE RATED EQUAL TO SQUARE D NQ.

PROVIDE HACR BREAKERS FOR HVAC & REFRIGERATION EQUIPMENT.

3. PC - CIRCUIT THROUGH PHOTOCELL LOCATED ON NORTH FACE OF BUILDING.

4. GFI - PROVIDE GFCI BREAKER FOR CIRCUIT. GFCI RECEPTACLES MAY BE USED IN LIEU OF GFCI BREAKERS SO LONG AS THE DEVICE(S) CONFORM TO NEC CODE REQUIREMENTS FOR GFCI

ELECTRICAL MAINTENANCE & CAR WASH PLAN SCALE: 1/4" = 1'-0"



						[PA	NEL H	LOA	d sumn	1 AR	(1
								LOAD TYP		2	kVA CONN.	DEM. FACT.	[
								GHTS (CONN.			4.4	1.25	
					NOTE: E.C. TO REVIEW	ELEVATOR	RECEPTACLES			1st 10 kVA	. 11.2	1.0	
					SUBMITTAL BEFO	ORE	ALULI IAULES			REMAINDER	3.5	0.5	
				L						ELEC HEAT	0.0	1.0	
					NOTE: E.C. TO PROVIE		HVAC & R		LA	RGEST MOTOR	3.0	1.25	
					PANEL INTERIOR	R TO				REMAINDER	8.0	1.0	
					SURGE PROTEC SEE RISER.			ELEVATOR		EVATORS: 1	- 16.2	1.0	
							UNIT HEA	TERS, BOOSTE	er pumps	(2)	6.4	1.00	
						-	TOTAL AMPS	@ 208 V	3 PF	TOTALS	52.7	146.6	
											<u>.</u>		
SER\		1 OF 3 DAD SI				R SE	RVICE 2 LO/			eter C Mary	EN	TER	
UNIT#/ PANEL		CTED KVA PE PANEL	R # OF	Panels	TOTAL KV FOR PAN TYPE				R # OF	PANELS	FOR F	L KVA PANEL 'PE	
A1		33.1		12	397.2	Al	33	.1		32	105	59.2	
B1		34.0		16	544.0	B1	34	.0		20	68	0.0	
B2		34.0		8	272.0	C2	37	.5		4	15	0.0	
C1		37.8		4	151.2		TOTAL PANEL	CONNEC	TED KV	A	188	39.2	
C2		37.5		4	150.0		DEMAND FAC	TOR (NEC	220.84	4)	0.	24	
		EL CONNEC			1514.4		TOTAL RES	DEMAND	KVA		45	3.4	
D		ACTOR (NEC	-		0.27								
	TOTAL R	es. demand) KVA		408.9	τοτα		/A			45	3.4	
	TOTAL				400.0	AMPS	1 208 1	V	3	PHASE	125	58.5	
TOTAL	208		3	PHASE	408.9								
MPS @													
 INV	FRTFR				RTER "C"]			NOTE: PROVIDE IDI		TION	E
FIXTURE	- <u> </u>									DIRECTORY ELECTRICAL	SERVICE	THAT	12
BL	8	15 120		BL	8 15	120				COMPLIERS 230.2(E).	WITH NE	C	
exit sign	10	3 30 TOTAL 150	E>	(IT SIGN	10 3 TC	30 DTAL 150							
INV	ERTER	"B" CALC	2	INVER	RTER "D"	CALC							日 12
FIXTURE	QTY	WATTAGE TOT	AL F	IXTURE	QTY WATTA	GE TOTAL	NOTE:						
	8	15 120		BL	8 15		NUMBER C	dordinate DF Secondar					12 12
EXIT SIGN	12	3 36 TOTAL 156	E/	KIT SIGN	12 3 TC	36 DTAL 156	OF TRANSF	AND NUMBE		UTILITY XFMR			B
							TRANSFOR	D AVAILABLE MER LUGS GINNING WC		NOTE 1		l J	12
												GRA	DE
								FRC	ом .ITY х	l			
								UTIL					
						VOLTA	ge drop sc	CHEDULE	-		ARTM	ENT F	EE
						120V BRANG	CH CIRCUITS UP TO 8	AMPS (1 KVA	A)		·	ENT F	
						120V BRANG RUN DISTANCI 1' TO 120'	CH CIRCUITS UP TO 8 E (FT) WIRE	AMPS (1 KVA SIZE (COPPER #12	A)	MAX	·	. WIRING	SIZE
						120V BRANC RUN DISTANCI	CH CIRCUITS UP TO 8 E (FT) WIRE	AMPS (1 KVA SIZE (COPPER	A)	MAX. DISTAN 125' 160'	CE MIN	. WIRING (3) (3)	SIZE #1/ #2/
						120V BRANC RUN DISTANCI 1' TO 120' 121' TO 190 191' TO 300 301' TO 470	CH CIRCUITS UP TO 8 E (FT) WIRE	AMPS (1 KVA SIZE (COPPER #12 #10 #8 #6	A) 2 AWG)	MAX DISTAN 125'	CE MIN	. WIRING (3)	SIZE #1/(#2/(#3/0

CABLE ALLOW **COORDINATE APARTMEN CENTER LUGS WITH FEEDER S LARGER PANEL MAY BE NECES LARGER FEEDER W

NOTE: WIRE SIZES INDICATED IN GENERAL NOTES AND CONNECTIONS SCHEDULES ARE MINIMUM WIRE SIZES. CONTRACTOR SHALL UPSIZE WIRES BASED ON LOAD AND LENGTH OF RUN AS INDICATED IN SCHEDULE ABOVE.

#12

#10

#8

#6

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1' TO 65'

66' TO 110'

111' TO 170'

171' TO 270'

JMN	ARY	,								TORAGE 1ST						3 PHASE, 4 WIRE		
	kVA	DEM.	kVA		VOLTAGE: 208Y/120V				Î	<u>ANEL</u>		1				SURFACE MOUNTED		VOLTAGE: 208Y/120V
	CONN.	FACT.	DEM.	-	AMPS: 400-MLO -DESCRIPTION-	POLE	WIRE	BRK CKT SIZE #	LC A	DAD PER PH	ASE C	CKT	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-		AMPS: 100-MLO -DESCRIPTION-
	4.4	1.25	5.5	#4,LO	LTS:CORRIDOR/EMG	1	size	SIZE #	1.5 0.6	D		#	size 20	size	1	REC: STORAGE ROOMS	#4,LO	LTS: EXT/CORR/EMG 3&4 FLF
10 kVA	11.2	1.0	11.2		LTS: ELEV/EXT STORAGE	1	12 12	20 3 20 5		0.8 1.2	0.2 0.2	4	20 20	12 12	1	REC: EXTERIOR SERVICE	#3,LO	LTS/REC: ELEV/STORAGE 3&4 REC: HVAC SERVICE 1
AINDER	3.5	0.5	1.8		LTS: ELEVATOR CAB	1	12	20 3 20 7	0.4 0.2		0.2 0.2	8	20	12	1	4G DIALER	4 ·	REC: RIGHT SIDE CORR.
C HEAT	0.0	1.0	0.0		REC:ELEVATOR SHAFT	1	12 12	20 9 20 11		0.4 0.5	0.2 1.0	10 12	•	12 12	1	LTS/REC: SPRINKLER/EXT REC: SECURITY/CAMERAS		REC: TELE/DATA BOARD 3N REC: TELE/DATA BOARD 3S
NOTOR	3.0	1.25	3.8	-	REC:TELE/DATA BOARD 1N	1	12	20 11 20 13	1.0 1.0		0.2 1.0	12	20	12	1	REC: TELE/DATA BOARD 1S		SPARE
AINDER	8.0	1.0	8.0	С	LTS: BUILDING EXTERIOR	1	12	20 15		0.8 1.0		16	20	12	1	UH-2		SPARE
				-	SPACE SPACE	1	-	- 17	0 1.3		0 1.4	18 20	20	12	2	BOOSTER PUMP 1		SPARE
	16.2	1.0	16.2		SPACE	1	-	- 21		0 1.3		22	20	12	2	BOOSTER PUMP 2		ΤΟΤΑ
	6.4	1.00	6.4	#5,11	I ELEVATOR	3	6	23 110 25	5.4 7.0		5.4 1.4	24 26						PAN
IOTALS	52.7		52.8				1.0	27		5.4 6.3		28	100	1	3	PANEL S		1. PANEL SHALL BE EQUAL
		146.6		#12	PHOT BOXES SPACE	1	12	20 29 - 31	0 0		0.6 6.2	30 32	20	-	1	SPARE		 LO - INDICATES LOCK-O CIRCUIT BREAKER SHALL
					SPACE	1	-	- 33		0 0		34	20	-	1	SPARE		TO BE LOCKED IN ON PO 4. WIRE PORTION OF CIRCU
					SPACE SPACE	1	-	- 35 - 37	0 0		0 0	36 38	20 20	-	1	SPARE SPARE		DETAILS. PROVIDE LOCK MATERIALS ACCORDING
					SPACE	1	-	- 39		0 0		40	-	-	1	SPACE		(NEC 700.12(F)(2)(4). 5. NOT USED.
RC	EN1	ER			SPACE		-	- 41	18.4	17.7	0 0	42	-	-		SPACE		 L - INDICATES LOCK-OFF DISCONNECT)
Rλ					TOTAL	CONI	NECT	ED kVA:		52.7			DEM	AND I	kVA:	52.8		
					PANE	EL RMS	SYN	1. AMPS:	SEE RISE	R		D	EMA	ID AI	MPS:	146.6		PANE
	TOTAI	_ KVA	_		1. PANEL SHALL BE EQUAL							1				1]	LOAI
LS	FOR P				 LO - INDICATES LOCK-OI CIRCUIT BREAKER SHALL 	HAVE	RED	IDENTIF	CATION	AND INC	CLUDE LO	CK-(DN AT	TACI	HMEN	NT. BREAKER		LOADS ON 100 AM
	105				TO BE LOCKED IN ON PC 4. WIRE PORTION OF CIRCI	JIT VIA	(2)	EMERGE	NCY LIGH								: OLTAGE DROP	LIGHTS (CO
	105		_		DETAILS. PROVIDE LOCK MATERIALS ACCORDING	-			-							AT PANEL SCHE	DULE BELOW FOR SIZING ADJUSTMENT	
	680		_		(NEC 700.12(F)(2)(4). 5. VERIFY BREAKER AND W	RE SIZ	E RE	QUIREME	ents with	I EQUIPA		MEPL	ATE B	efor	E BE	CINNING DUE T	O CIRCUIT LENGTH. VN WIRE SIZES IN PNL	RECEPTACLES
	150	0.0			WORK. 6. L - INDICATES LOCK-OFF	ATTA	СНМ	ENT REG	UIRED (A	TTACHN	1ENT TO A	леет	NEC	REQ'S	s for	SCH SCH	ARE MINIMUMS	
	188	9.2			DISCONNECT) 7. NOT USED.												PER WIRE).	
	0.2	24			 C - CIRCUIT THROUGH LI NOT USED 	GHTIN	IG C	ONTACI	OR CON	TROLLED) via pho	DTOC	CELL.	SEE D	ETAIL	L		HVAC & R
	453	3.4			10. NOT USED.11. PROVIDE WITH #6 CU GF	ROUN	٦.											
					12. WIRE CIRCUIT VIA GFPE I SINGLE CIRCUIT, 30mA.			QUAL TO	PROTHER	M INDUS	stries gr	OUN	ID FA	JLT P	ROTE	ECTION UNIT,		
	453	3.4												_	_	_		TOTAL AMPS @ 20
SF 1	125	8.5									NOT							
											DIRE	СТО		EAC	Н			
											CON	<i>N</i> PLIE	al Se RS W			41	TO UNITS NOTE 5	
					(T	OTE 5 YPICA	L				230.2	2(E).				r	(TYPICAL	
						F 44)							_					
: /IDE IDE		ION		E M	EMEM PLACARD E					M			E	M	E		PLACARD EMEMEM SERVICE 1254 1254 1254	
CTORY A	T EACH ERVICE	THAT	125A	125A				$\overline{)}^{12}$	5A 125	5A			1	25A	12		(2 OF 3)	125A 125A
PLIERS V (E).	VITH NEC			E M	125A 125A 4,8,10 1	25A	12	5A 🗄		M			E	M	E	M 125A 125A 125A	NOTE 4,8,10 125A 125A 125A	
			125A	125A			E(M^{12}	5A 125	5A			1	25A	125			125A 125A
				E M	125A 125A 3Ø/4W 1	25A	12				. TO ENSL	IPE	E	M			3Ø/4W 125A 125A 125A 1400A EMEMEM	
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'ILITY FMR						M 254				M		\uparrow		M		M = M = M = M $125A = 125A = 125A$		
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	//	GRA	DE										,					V
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								RICA			K KIS		< -	ΒL		<u>G TYPE 1</u>		
APA	RTM	-NT F	EEDEF	с СН				GRAM	NOTES	•								
MAX.					1.							ארח א	T2IAL S				W/ UTILITY BEFORE BEGINNING WORK	
DISTANC	E MIN.		SIZE (ALU		CABLE) 2. 3.				0 kcmil A				x IIIIJI		וטכ			
125' 160'			#1/0, #4 #2/0, #3		4.											S SHOWN. U.L. APPROVED RIN NG BASED ON TOTAL LENGTH.	GLESS METER SOCKETS. METERS BY UT	LITY. NEMA 3R.
200'			3/0, #2 0		6.	#3/0) CU	MAIN G	ROUNDIN	NG ELEC	TRODE C	ONE	DUCTO	OR TC	GR(ounding system (see detail)	. BUILDING SHALL HAVE ONE GROUP	NDING ELECTRODE SYSTEM.
225'			4/0, #1 0									-				NDICATING APARTMENT NUMI NT (NEC 110.24).	BER OR PANEL SERVED.	
275'			250, #1/0		9.	PRC	VIDE	E PLACA	RD INDIC	ATING A	RC-FLAS	Н НА	ZARD	AT P	ANE	L(S)/DISCONNECT(S). (NEC 110	-	
	CENTER	TO APA	EEDER LI RTMENT P														ON 65,000AIC. E.C. TO VERIFY TRANS PMENT MAY BE USED. IF HIGHER CON	
**CC			LOWED.	ANEL/LC	DAD												WITH AN UPSTREAM BREAKER OR FUS	
			DER SIZE 1 NECESSA														PER NEC 110.22(C). CONFIRM W/ EQ L SERIES RATING OF PAIRED BREAKER	
	LAR	GER FEE	DER WIRI	ES.	11.				HTING IN'	VERTER	WITH BAT	TERY	BAC	(-UP E	EQUA	al to myers "illuminator Lv	M 225VA". 225 WATT MODEL. NORM.	ally on. see detail for mo
					12.			ATION. .cmil ALL	JM, 4'' CC	NDUIT.								
									E PER UTIL							D AND FUSED AS INDICATED.		
																	. BUILDING SHALL HAVE ONE GROUI	NDING ELECTRODE SYSTEM.
						• •			JM, #2 AL GND, 1-1			CON	IDUIT.					
						PRC	VIDE	E INTERN.	ALLY MO	unted s	URGE PR						GIC SURGELOC. PROVIDE 200kA SUR	GE CURRENT PROTECTION PE
					19				LARGER ccmil CU,			ío a	ССО	ммс	DATI	E EXTRA SPACE FOR SURGE PR	OTECTION DEVICE.	
for cons	ructed va	ariations	from the i	nformatio	on depicted.	. ,										5.	Planworx Architecture, P.A. retains own	nership of all of designs depicte
iy liability ed once	or expe by client.	enses ass Unautho	sociated v prized use	strictly p	s and omissions on these drawing prohibited. PLANS NOT VALID FO	ys unle DR CC	ess o NST	RUCTIO	erified co N W/O AF	nstruction PPROPR	n savings RIATE PR	as a OFES	resuli SSION	ot pla IAL S	anwo EALS	orx arcnitecture, P.A. Design. 6.	Planworx Architecture, P.A. is not response	onsible for estimating, maintain

						EXT. S	TORAC	GE 4TH	FLOOF	२					3 PHASE, 4 WIRE	
						P/	٩N	EL	: S	,)					SURFACE MOUNTED	
						LC	DAD PE	R PHA	SE						NEMA 1	
	POLE	WIRE SIZE	BRK SIZE	CKT #	ŀ	٩	E	3	(С	CKT #	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-	
&4 FLR	1	12	20	1	1.5	1.2					2	20	12	1	REC: HVAC SERVICE 2	
GE 3&4	1	12	20	3			1.0	0.8			4	20	12	1	REC:CORRIDOR	
	1	12	20	5					1.0	0.2	6	20	12	1	FA BATTERY EXTENDER #3	B,LO
•	1	12	20	7	0.8	1.5					8	20	10	0		
D 3N	1	12	20	9			1.0	1.5			10	30	10	2	AH-10/HP-10	
D 3S	1	12	20	11					1.0	2.0	12	20	12	1	AH/HP-11A	
	1	-	20	13	0	2.0					14	20	12	1	AH/HP-11B	
	1	-	20	15			0	2.0			16	20	12	1	AH/HP-11C	
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					7.	.0	6.	.3	6	.2						
TOTAL	CON	NECT	ED k'	VA:			19	.5				DEM.	AND	kVA:	20.6	
PANE	LRMS	S SYN	I. AM	PS:	SEE	RISE	R				D	EMAI	ND A	MPS:	57.2	

QUAL TO SQUARE D NQ. CK-ON ATTACHMENT REQUIRED

HALL HAVE RED IDENTIFICATION AND INCLUDE LOCK-ON ATTACHMENT. BREAKER ON POSITION. NEC 760.41

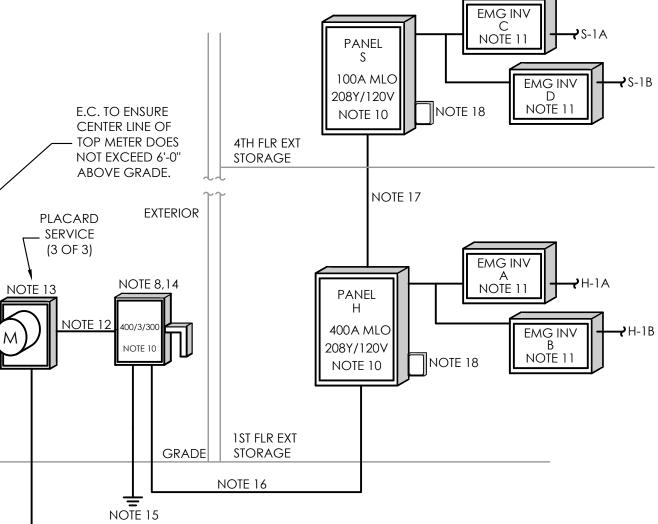
CIRCUIT VIA (2) EMERGENCY LIGHTING INVERTERS. SEE RISER FOR INVERTER LOCK-ON BREAKER ATTACHMENT. E.C. TO IDENTIFY AND PERMANENTLY MARK

RDING TO NEC 700.10. E.C. TO ALSO CLEARLY LABEL BRANCH CIRCUIT AT PANEL

K-OFF ATTACHMENT REQUIRED (ATTACHMENT TO MEET NEC REQ'S FOR APPLIANCE

NEL S LOAD SUMMARY

OAD TYPE 100 AMP BREAKER @ PANEL H	kVA CONN.	DEM. FACT.	kVA DEM.
s (conn. load)	1.5	1.25	1.9
1st 10 kVA	7.0	1.0	7.0
REMAINDER	0.0	0.5	0.0
ELEC HEAT	0.0	1.0	0.0
LARGEST MOTOR	3.0	1.25	3.8
REMAINDER	8.0	1.0	8.0
TOTALS	19.5		20.6
208 V 3 PHASE		57.2	



NOTE: TERMINAL BLOCK MAY BE REQUIRED FOR UPSIZED APARTMENT FEEDER. SEE RISER NOTE 5.

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epicted and implied herein.

intaining, or regulating construction costs associated with these plans.

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IR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST	nspiration at southpoint Apartments	Zimmer Development Company					DERMIT SET	_	
ESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED,	70 RA P:S	ENG B ST. MAR LEIGH, NO	8YS S 276 247			- - - - - - - - - - - - - -	90] - -	
XPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THE 2 3 3 PROGRESS DATE: 10/15/21	Image: Second state 11/24/21	<i>(</i> :			01	30	S	SDS	;
© 2021 MAPLE ENGINEERING, PLLC EXI	CHI				PE "PA &]	1 N RI	ΙE	LT L EF	

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VOLTAGE DR	OP SCHEDULE
120V BRANCH CIRCUI	is up to 8 amps (1 kva)
RUN DISTANCE (FT)	WIRE SIZE (COPPER AWG)
1' TO 120'	#12
121' TO 190'	#10
191' TO 300'	#8
301' TO 470'	#6
120V BRANCH CIRCUITS 9 A	MPS TO 14 AMPS (1 - 1.7 KVA)
RUN DISTANCE (FT)	WIRE SIZE (COPPER AWG)
1' TO 65'	#12
66' TO 110'	#10
111' TO 170'	#8
171' TO 270'	#6

NOTE: WIRE SIZES INDICATED IN GENERAL NOTES AND CONNECTIONS SCHEDULES ARE MINIMUM WIRE SIZES. CONTRACTOR SHALL UPSIZE WIRES BASED ON LOAD AND LENGTH OF RUN AS INDICATED IN SCHEDULE ABOVE.

All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
 Planworx Architecture, P.A. is not responsible for constructed variations from the second se

					VOLTAGE: 208Y/120V					PA	NEL	: H				SURFAC	E MOUNTED			VOLTAGE: 208Y/120V		
		DEM. FACT.	kVA DEM.		AMPS: 400-MLO					LC	DAD PER PHA	SE					NEMA 1			Amps: 100-mlo		_
	4.4	1.25	5.5		-DESCRIPTION-	POLE		BRK SIZE		A	В	С				-DESCRIPT				-DESCRIPTION-		OLE
	11.0			#4,LO	LTS:CORRIDOR/EMG LTS: ELEV/EXT STORAGE	1	12 12	20 20	1	1.5 0.6	0.8 1.2				2 1 2 1		AGE ROOMS	4	#4,LO	LTS: EXT/CORR/EMG 3&- LTS/REC: ELEV/STORAGE		$\frac{1}{1}$
A	11.2	1.0	11.2	_	LTS: ELEVATOR SHAFT	1	12	20	5			0.2 0.2			2 1			#3,LO		REC: HVAC SERVICE 1		1
R	3.5	0.5	1.8		LTS: ELEVATOR CAB	1	12	20		0.4 0.2					2 1		4G DIALER			REC: RIGHT SIDE CORR.	<u></u>	1
T	0.0	1.0	0.0		REC:ELEVATOR SHAFT	1	12	20 20	9		0.4 0.5	0.2 1.0			2 1 2 1	REC: SECURITY	RINKLER/EXT Y/CAMERAS	4		REC: TELE/DATA BOARD REC: TELE/DATA BOARD		$\frac{1}{1}$
R	3.0	1.25	3.8		REC:TELE/DATA BOARD 1N	1	12	<u> </u>	13	1.0 1.0					2 1	REC: TELE/DAT/	-			SPARE		1
P	8.0	1.0	8.0	C	LTS: BUILDING EXTERIOR	1	12	20			0.8 1.0			20 1	2 1		UH-2			SPARE		1
	0.0	1.0	0.0		SPACE SPACE	1	-	-	17 19	0 1.3		0 1.4	18 20 2	20 1	2 2	BOOS	STER PUMP 1			SPARE		1
	16.2	1.0	16.2		SPACE	1	-	-	21		0 1.3		22	20 1	2 2	вооз	STER PUMP 2			T	DTAL CO	1C
	6.4	1.00	6.4				,		23			5.4 1.4	24		2 2	6003	SILKI UIVII Z				PANEL F	R٨
	50.7		50.0	#5,11	ELEVATOR	3	6		25 27	5.4 7.0	5.4 6.3		26 28](00	1 3		PANEL S					
_S	52.7	1444	52.8	#12	hot boxes	1	12	20	29			0.6 6.2	30							 PANEL SHALL BE EQU LO - INDICATES LOC 	K-ON A	TT.
		146.6			SPACE	1	-	-		0 0				20	- 1		SPARE			 CIRCUIT BREAKER SH TO BE LOCKED IN O 		
					SPACE SPACE	1	-	-	33 35		0 0	0 0		20 20	- I - I		SPARE SPARE	4		4. WIRE PORTION OF C DETAILS. PROVIDE LC		
					SPACE	1	-	-	37	0 0				20	- 1		SPARE			MATERIALS ACCORI	DING TC	
					SPACE	1	-	-	39		0 0		40	-	- 1		SPACE	-		(NEC 700.12(F)(2)(4) 5. NOT USED.		
					SPACE		-	-	41	18.4	17.7	0 0 16.6	42	- 1	-		SPACE	-		 L - INDICATES LOCK- DISCONNECT) 	OFF ATT	A
C	CEN	ITEF	R		TOTAL	. CON		ED k	VA:	10.1	52.7	10.0	DE		JD kVA	52.8						
V					PAN	EL RN	1S SYN	1. AM	PS: S	SEE RISEI	R		DEN) AMPS	146.6						_
I					1. PANEL SHALL BE EQUAL]		PAN	IEL S	<u>د</u>
-		AL KV.	^		2. LO - INDICATES LOCK-C	N AT	TACH	MENT	REQ								Ľ	NOTE		LC	DAD T	Y
		PANE			3. CIRCUIT BREAKER SHALL TO BE LOCKED IN ON P					ATION /	AND INC	LUDE LO	CK-ON	I ATTA	аснме	NT. BREAKER		NOTE: SEE VOLTAGE DROP		LOADS ON 1	0 AMP BRE	AK
		YPE			4. WIRE PORTION OF CIRC DETAILS. PROVIDE LOCK													SCHEDULE BELOW FOR WIRE SIZING ADJUSTMENT		LIGHTS	(CON	٧.
	6	62.0			MATERIALS ACCORDING													DUE TO CIRCUIT LENGTH.				
1	2	72.0			(NEC 700.12(F)(2)(4). 5. VERIFY BREAKER AND W	/IRE SI	IZE RE	QUIRE	EMEN	its with	I EQUIPM		1EPLAT	E BEF	ORE BI	GINNING		SHOWN WIRE SIZES IN PNL SCH ARE MINIMUMS		RECEPTACLES		
+					WORK. 6. L - INDICATES LOCK-OFI	F ATTA	аснм	ENT F	REQU	IRED (A	ТТАСНМ	ent to <i>n</i>	NEET NE	EC RE	Q'S FO	R APPLIANCE		(COPPER WIRE).				
+		72.0			DISCONNECT) 7. NOT USED.					(
	1	51.2			8. C - CIRCUIT THROUGH L	.IGHTI	ING C	ONTA	ACTC	RCON	TROLLED	VIA PHC	TOCEL	LL. SE	e deta	L				HVAC & R		
	1	50.0			 9. NOT USED. 10. NOT USED. 																	
	15	507.2			11. PROVIDE WITH #6 CU G 12. WIRE CIRCUIT VIA GFPE				to Pi	ROTHER	M INDUS	TRIES GR		FAUI	T PROI	-CTION UNIT						
	().27			SINGLE CIRCUIT, 30mA.	BEII	02 20	(0) (2	1011				00112							total amps @	208 \	~
+		06.9																				
	4	00.7										[NOTE	:								
															DENTIFI Y AT EA							
	4	06.9			TO		5						ELEC	TRICA	AL SERV	ICE THAT						
	11	29.6					NO						230.2		rs with	NEC		NOTE 5				
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IFIC,	ATION		125A	125A		0F 3)			H C		\overline{M} $\frac{125}{125}$	A				125A 125A				25A 125A		
	CH CE THAT					OTE 8,10	12	5A	125/			M					125A 1	NOTE 125A 125				
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		Г I)/4W	12	5A	125/	A 125		M					125A 1	25A 3Ø/4W 125A 125				
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173.4						SERVICE ONNECT							GR/	ADE.	`			AIN SERVICE DISCONNECT				_
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			GRADE												\	/						
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Α	PAR		NT FEE	EDER	CHART 📔 🔪						OTES											
		NAINT 11		7 = /		1	. P <i>A</i>	D MO	ОЛИС	ED TRA	NSFORM											
N	AAX.	/VIIN. VV		-	. SER CABLE)	2					OUCTORS cmil ALU				INSTAL	ED BY E.C., CONFI	IRM INSTALL	ATION W/ UTILITY BEFORE BEGIN	INING	WORK.		
DIST	TANCE		(3) #1	/0, #4 G		4	• • •		•						/ BREA	ers as shown. u	.L. APPROVE	ed ringless meter sockets. M	IETERS	BY UTILITY. NEMA 3R.		
DIST	TANCE 125'			70 #3G	ND	5										OR SIZING BASED C						
DIST	TANCE 125' 160'		(3) #2			,		3/0 CI									-	•	ONE (GROUNDING ELECTRODE	SYSIEM	1.
DIST	TANCE 125' 160' 200'		(3) #3/	0, #2 GN		6 7	200' (3) #3/0, #2 GND** 6. #3/0 CU MAIN GROUNDING ELECTRODE CONDUCTOR TO GROUNDING SYSTEM (SEE DETAIL). BUILDING SHALL HAVE ONE GROUNDING ELECTRODE 225' 225' (3) #4/0, #1 GND** 7. PROVIDE ENGRAVED PLACARD AT PANEL(S)/DISCONNECT(S) INDICATING APARTMENT NUMBER OR PANEL SERVED.															
DIS1	TANCE 125' 160' 200'		(3) #3/ (3) #4/	0, #2 GN	D**	6 7 8	7. PR 8. PR	OVIE	DE PL	ACARD				AIC		CURRENT (NEC 110	.24).					
DIS1	TANCE 125' 160' 200' 225' 275' DISTANC	ce is ac	(3) #3/ (3) #4/ (3) #250	0, #2 GN 0, #1 GN), #1/0 G EDER LEN	D** ND** GTH FROM	7 8 9	7. PR 3. PR 9. PR	OVIE OVIE	DE PL	ACARD ACARD	INDICAT	ING ARC	-FLASH	AIC HAZ	ARD A	PANEL(S)/DISCOM	0.24). NNECT(S). (N	•			י ידו/א/ ס=	
DIS1	TANCE 125' 160' 200' 225' 275' DISTANC	CE IS AC	(3) #3/ (3) #4/ (3) #250 CTUAL FEE D APARTM	0, #2 GN 0, #1 GN 0, #1/0 G DER LEN MENT PA	D** ND**	7 8 9	7. PR 3. PR 9. PR 0. UT	OVIE OVIE ILITY 1	DE PL/ DE PL/ TRAN	acard acard sforme	INDICAT ER SPECS	ING ARC UNKNO'	-FLASH WN AT	AIC H HAZ TIME	ARD A OF DE	PANEL(S)/DISCON	.24). NNECT(S). (N I. DESIGN IS E	EC 110.16) BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF F				
DIS1	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE	CE IS AC NTER TC CA RDINATE	(3) #3/ (3) #4/ (3) #250 CTUAL FEE D APARTM BLE ALLO E APARTM	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAI OWED. MENT PAI	ID** ND** GTH FROM NEL. <u>NO SER</u> NEL/LOAD	7 8 9	7. PR 8. PR 9. PR 0. UT UT BR	OVIE OVIE ILITY 1 ILITY F EAKE	de pla de pla fran priof ers w	acard acard sforme r to pui ith a le	INDICAT ER SPECS RCHASIN ESSER LAE	ING ARC UNKNO' IG EQUIP BELED AIG	-FLASH WN AT MENT. C RATII	AIC HAZ TIME IF TR/	ARD A OF DE ANSFO IAY BE	PANEL(S)/DISCON IGN COMPLETION RMER AIC IS LESS LC JSED IF THOSE BREA	9.24). NNECT(S). (N 9. DESIGN IS E OWER RATED AKERS ARE P.	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA	IIGHEF Aker (2 CONTACT ENGINEER. C DR FUSE AS PART OF A UL	ircuit Series	
DIST	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE **COOF ENTER LI	CE IS AC NTER TO CA RDINATE JGS WIT	(3) #3/ (3) #4/ (3) #250 CTUAL FEE O APARTM BLE ALLO E APARTM TH FEEDE AY BE NE	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAI DWED. MENT PAI R SIZE TO CESSARY	ID** ND** GTH FROM NEL. <u>NO SER</u>	7 8 9	7. PR 3. PR 9. PR 0. UT UT BR RA	OVIE ILITY I ILITY F EAKE	de pl de pl tran priof ers w com	ACARD ACARD SFORME R TO PUI ITH A LE BINATIC	INDICAT ER SPECS RCHASIN ESSER LAE DN. PAIRE	ING ARC UNKNO' G EQUIP BELED AIG ED DEVIC	-FLASH WN AT MENT. C RATIN ES MU	AIC HAZ TIME IF TR/ NG M ST BE	ARD A OF DE ANSFO IAY BE IN AC	PANEL(S)/DISCON FIGN COMPLETION RMER AIC IS LESS LO JSED IF THOSE BREA CORDANCE WITH N	9.24). NNECT(S). (N 9. DESIGN IS E OWER RATED AKERS ARE P. NEC 240.86. I	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA LABEL PER NEC 110.22(C). CON	IIGHEF AKER (FIRM ^V	2 CONTACT ENGINEER. C DR FUSE AS PART OF A UL N/ EQUIPMENT MFG BEFC	ircuit Series	
DIST	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE **COOF ENTER LI	CE IS AC NTER TO CA RDINATE JGS WIT	(3) #3/ (3) #4/ (3) #250 CTUAL FEE O APARTM BLE ALLO E APARTM TH FEEDE AY BE NE	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAN DWED. MENT PAN R SIZE TO	ID** ND** GTH FROM NEL. <u>NO SER</u> NEL/LOAD BE USED. A	7 8 9 1	 PR PR PR O. UT UT BR PL 	OVIE OVIE ILITY 1 ILITY F EAKE ATED (IRCH,	DE PL/ DE PL/ IRAN PRIOF RS W COM ASE.	ACARD ACARD SFORME TO PUI TH A LE BINATIC E.C. TO	INDICAT ER SPECS RCHASIN ESSER LAE DN. PAIRE PROVIDE	ING ARC UNKNO' IG EQUIP BELED AIC ED DEVIC E FIELD IN	-FLASH WN AT MENT. C RATIN ES MU SPECT	AIC HAZ TIME IF TR/ NG M ST BE OR W	ARD A OF DE ANSFO AY BE IN AC	PANEL(S)/DISCON IGN COMPLETION RMER AIC IS LESS LO JSED IF THOSE BREA CORDANCE WITH N G'S DOCUMENTATI	9.24). NNECT(S). (N DESIGN IS E OWER RATED AKERS ARE P NEC 240.86. I ION REGARE	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA	IIGHEF AKER (FIRM ^V ED BR	R CONTACT ENGINEER. C DR FUSE AS PART OF A UL N/ EQUIPMENT MFG BEFC EAKERS/FUSES.	ircuit Series Dre	
DIST	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE **COOF ENTER LI	CE IS AC NTER TO CA RDINATE JGS WIT	(3) #3/ (3) #4/ (3) #250 CTUAL FEE O APARTM BLE ALLO E APARTM TH FEEDE AY BE NE	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAI DWED. MENT PAI R SIZE TO CESSARY	ID** ND** GTH FROM NEL. <u>NO SER</u> NEL/LOAD BE USED. A	7 8 9 1	Z. PR B. PR D. PR O. UT BR BR PU 1. EN	OVIE ILITY I ILITY I EAKE TED (JRCH, AERG FORM	DE PL DE PL IRAN PRIOF RS W COM ASE. I ENC	ACARD ACARD SFORME TO PUI ITH A LE BINATIC E.C. TO CLIGHTI DN.	INDICAT ER SPECS RCHASIN ESSER LAE DN. PAIRE PROVIDE NG INVE	ING ARC UNKNO' IG EQUIP BELED AIG ED DEVIC E FIELD IN RTER WIT	-FLASH WN AT MENT. C RATIN ES MU SPECT	AIC HAZ TIME IF TR/ NG M ST BE OR W	ARD A OF DE ANSFO AY BE IN AC	PANEL(S)/DISCON IGN COMPLETION RMER AIC IS LESS LO JSED IF THOSE BREA CORDANCE WITH N G'S DOCUMENTATI	9.24). NNECT(S). (N DESIGN IS E OWER RATED AKERS ARE P NEC 240.86. I ION REGARE	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA LABEL PER NEC 110.22(C). CON DING UL SERIES RATING OF PAIR	IIGHEF AKER (FIRM ^V ED BR	R CONTACT ENGINEER. C DR FUSE AS PART OF A UL N/ EQUIPMENT MFG BEFC EAKERS/FUSES.	ircuit Series Dre	
DIST	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE **COOF ENTER LI	CE IS AC NTER TO CA RDINATE JGS WIT	(3) #3/ (3) #4/ (3) #250 CTUAL FEE O APARTM BLE ALLO E APARTM TH FEEDE AY BE NE	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAI DWED. MENT PAI R SIZE TO CESSARY	ID** ND** GTH FROM NEL. <u>NO SER</u> NEL/LOAD BE USED. A	7 8 9 1 1	 PR PR PR UT UT BR PL EN IN 2. (4) 	COVIE COVIE ILITY I ILITY I EAKE TED (JRCH, AERG FORM	DE PLA DE PLA IRAN PRIOF ERS W COM ASE. I ENC MATIC	ACARD ACARD SFORME TO PUI ITH A LE BINATIC E.C. TO (LIGHTI DN. II ALUM,	INDICAT ER SPECS RCHASIN ESSER LAE DN. PAIRE PROVIDE	ING ARC UNKNO' IG EQUIP BELED AIG ED DEVIC E FIELD IN RTER WIT DUIT.	-FLASH WN AT MENT. C RATIN ES MU SPECT H BATT	AIC TIME IF TRA IF TRA ST BE OR W ERY B	(ARD A OF DE ANSFO IAY BE IN ACI /ITH MF BACK-U	PANEL(S)/DISCON IGN COMPLETION RMER AIC IS LESS LO JSED IF THOSE BREA CORDANCE WITH N G'S DOCUMENTATI P EQUAL TO MYERS	9.24). NNECT(S). (N DESIGN IS E OWER RATED AKERS ARE P NEC 240.86. I ION REGARE	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA LABEL PER NEC 110.22(C). CON DING UL SERIES RATING OF PAIR	IIGHEF AKER (FIRM ^V ED BR	R CONTACT ENGINEER. C DR FUSE AS PART OF A UL N/ EQUIPMENT MFG BEFC EAKERS/FUSES.	ircuit Series Dre	
DIST	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE **COOF ENTER LI	CE IS AC NTER TO CA RDINATE JGS WIT	(3) #3/ (3) #4/ (3) #250 CTUAL FEE O APARTM BLE ALLO E APARTM TH FEEDE AY BE NE	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAI DWED. MENT PAI R SIZE TO CESSARY	ID** ND** GTH FROM NEL. <u>NO SER</u> NEL/LOAD BE USED. A	7 8 9 1 1 1 1 1	 PR PR PR UT BR PL IN 2. (4) 3. 4C 4. SE 	COVIE COVIE ILITY 1 ILITY 1 EEAKE ATED (JRCH, AERG FORM #500 NOA M RVIC	DE PL DE PL IRAN PRIOF RS W COM ASE. I ENC MATIC NATIC NETER E ENI	ACARD ACARD SFORME TO PUI ITH A LE BINATIC E.C. TO (LIGHTI DN. I ALUM, BASE PI RANCE	INDICAT ER SPECS RCHASIN ESSER LAE DN. PAIRE PROVIDE NG INVE . 4" CONI ER UTILITY RATED V	ING ARC UNKNO' G EQUIP BELED AK ED DEVIC E FIELD IN RTER WIT DUIT. Y REQUIR VEATHER	-FLASH WN AT MENT. C RATIN ES MU SPECT H BATT H BATT EMENT PROOF	AIC HAZ TIME IF TR/ NG M ST BE OR W ERY B S. ME F DISC	(ARD A OF DE ANSFO IAY BE IN AC (ITH MF BACK-U SACK-U	PANEL(S)/DISCON IGN COMPLETION RMER AIC IS LESS LO JSED IF THOSE BREA CORDANCE WITH N G'S DOCUMENTATI P EQUAL TO MYERS UTILITY. CT SIZED AND FUSE	9.24). NNECT(S). (N 9. DESIGN IS E OWER RATED AKERS ARE P NEC 240.86. I ION REGARE S "ILLUMINAT	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA LABEL PER NEC 110.22(C). CON DING UL SERIES RATING OF PAIR TOR LVM 225VA". 225 WATT MC	IIGHEF AKER (FIRM ¹ ED BR DDEL. 1	R CONTACT ENGINEER. C DR FUSE AS PART OF A UL W/ EQUIPMENT MFG BEFC EAKERS/FUSES. IORMALLY ON. SEE DETA	IRCUIT SERIES DRE L FOR N	мc
DIST	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE **COOF ENTER LI	CE IS AC NTER TO CA RDINATE JGS WIT	(3) #3/ (3) #4/ (3) #250 CTUAL FEE O APARTM BLE ALLO E APARTM TH FEEDE AY BE NE	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAI DWED. MENT PAI R SIZE TO CESSARY	ID** ND** GTH FROM NEL. <u>NO SER</u> NEL/LOAD BE USED. A	7 8 9 1 1 1 1 1 1	 PR PR PR O. UT UT BR PL TN 1. EN IN 2. (4) 3. 4C 4. SE 5. #1 	COVIE COVIE ILITY I ILITY I EAKE TED (IRCH, AERG FORM I # 500 0A M RVIC /0 CI	DE PLA DE PLA IRAN PRIOF RS W COM ASE. IENC MATIC Deceni NETER E ENT U MA	ACARD ACARD SFORME TO PUI ITH A LE BINATIC E.C. TO (LIGHTI DN. I ALUM, BASE PI RANCE IN GRO	INDICAT ER SPECS RCHASIN ESSER LAE DN. PAIRE PROVIDE NG INVE 4" CONI ER UTILITY RATED V DUNDING	ING ARC UNKNO' G EQUIP BELED AIG ED DEVIC E FIELD IN RTER WIT DUIT. ' REQUIR VEATHER ELECTRO	E-FLASH WN AT MENT. C RATIN ES MU SPECT H BATT EMENT PROOF	AIC HAZ TIME IF TR/ NG M ST BE OR W ERY B S. ME F DISC ONDU	(ARD A OF DE ANSFO IAY BE IN ACU /ITH MF BACK-U ETER BY CONNE JCTOR	PANEL(S)/DISCON IGN COMPLETION RMER AIC IS LESS LO JSED IF THOSE BREA CORDANCE WITH N G'S DOCUMENTATI P EQUAL TO MYERS UTILITY. CT SIZED AND FUSE	9.24). NNECT(S). (N 9. DESIGN IS E OWER RATED AKERS ARE P NEC 240.86. I ION REGARE S "ILLUMINAT	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA LABEL PER NEC 110.22(C). CON DING UL SERIES RATING OF PAIR TOR LVM 225VA". 225 WATT MC	IIGHEF AKER (FIRM ¹ ED BR DDEL. 1	R CONTACT ENGINEER. C DR FUSE AS PART OF A UL W/ EQUIPMENT MFG BEFC EAKERS/FUSES. IORMALLY ON. SEE DETA	IRCUIT SERIES DRE L FOR N	мc
DIST	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE **COOF ENTER LI	CE IS AC NTER TO CA RDINATE JGS WIT	(3) #3/ (3) #4/ (3) #250 CTUAL FEE O APARTM BLE ALLO E APARTM TH FEEDE AY BE NE	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAI DWED. MENT PAI R SIZE TO CESSARY	ID** ND** GTH FROM NEL. <u>NO SER</u> NEL/LOAD BE USED. A	7 8 9 1 1 1 1 1 1 1	 PR PR PR UT UT BR PL IN 2. (4) 3. 4C 4. SE 5. #1 6. (4) 	COVIE COVIE ILITY 1 ILITY 1 EEAKE TED 0 IRCH, AERG FORM #500 IMA M RVIC /0 CI	DE PL DE PL IRAN PRIOF RS W COM ASE. I ENC MATIC NATIC NATIC NATIC NATIC	ACARD ACARD SFORME TO PUI ITH A LE BINATIC E.C. TO (LIGHTI DN. I ALUM, RANCE IN GRO	INDICAT ER SPECS RCHASIN ESSER LAE DN. PAIRE PROVIDE NG INVE . 4" CONI ER UTILITY RATED V	ING ARC UNKNO' G EQUIP BELED AK ED DEVIC FIELD IN RTER WIT OUIT. Y REQUIR VEATHER ELECTRC A GND, 3	E-FLASH WN AT MENT. C RATIN ES MU SPECT H BATT EMENT PROOF DDE CO 3-1/2" (AIC HAZ TIME IF TR/ NG M ST BE OR W ERY B S. ME F DISC ONDU	(ARD A OF DE ANSFO IAY BE IN ACU /ITH MF BACK-U ETER BY CONNE JCTOR	PANEL(S)/DISCON IGN COMPLETION RMER AIC IS LESS LO JSED IF THOSE BREA CORDANCE WITH N G'S DOCUMENTATI P EQUAL TO MYERS UTILITY. CT SIZED AND FUSE	9.24). NNECT(S). (N 9. DESIGN IS E OWER RATED AKERS ARE P NEC 240.86. I ION REGARE S "ILLUMINAT	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA LABEL PER NEC 110.22(C). CON DING UL SERIES RATING OF PAIR TOR LVM 225VA". 225 WATT MC	IIGHEF AKER (FIRM ¹ ED BR DDEL. 1	R CONTACT ENGINEER. C DR FUSE AS PART OF A UL W/ EQUIPMENT MFG BEFC EAKERS/FUSES. IORMALLY ON. SEE DETA	IRCUIT SERIES DRE L FOR N	мC
DIST	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE **COOF ENTER LI	CE IS AC NTER TO CA RDINATE JGS WIT	(3) #3/ (3) #4/ (3) #250 CTUAL FEE O APARTM BLE ALLO E APARTM TH FEEDE AY BE NE	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAI DWED. MENT PAI R SIZE TO CESSARY	ID** ND** GTH FROM NEL. <u>NO SER</u> NEL/LOAD BE USED. A	7 8 9 1 1 1 1 1 1 1 1 1 1 1	 PR PR PR O. UT UT BR PL RA PL IN AC 4C SE 41 SE 5. #11 6. (4) 7. (4) 8. SU 	COVIE COVIE ILITY 1 ILITY 1 ILITY 1 EEAKE TED (IRCH, AERG FORM #500 00A M RVIC /0 CI #500 I#500 I#1 C	DE PL/ DE PL/ IRAN PRIOF RS W COM ASE. I ENC MATIC MATIC MATIC NETER E ENI U MA Dkcmi CU, #8 PROI	ACARD ACARD SFORME TO PUI TH A LE BINATIC E.C. TO T LIGHTI DN. I ALUM, BASE PI RANCE IN GRO I ALUM, CU GN	INDICAT ER SPECS RCHASIN ESSER LAE DN. PAIRE PROVIDE NG INVE 4" CONI ER UTILITY RATED V DUNDING . #2 ALUN ND, 1-1/2 I DEVICE	ING ARC UNKNO' G EQUIP BELED AIG E DEVIC FIELD IN RTER WIT OUIT. Y REQUIR VEATHER ELECTRO M GND, 3 '' CONDU	E-FLASH WN AT MENT. C RATIN ES MU SPECT H BATT H BATT EMENT PROOF DDE CO 3-1/2" (JIT.	AIC HAZ TIME IF TR/ NG M ST BE OR W ERY B S. ME F DISC ONDU	(ARD A OF DE ANSFO IAY BE IN ACU /ITH MF BACK-U ETER BY CONNE JCTOR	PANEL(S)/DISCON IGN COMPLETION RMER AIC IS LESS LO JSED IF THOSE BREA CORDANCE WITH N G'S DOCUMENTATI P EQUAL TO MYERS UTILITY. CT SIZED AND FUSE	9.24). NNECT(S). (N 9. DESIGN IS E OWER RATED AKERS ARE P NEC 240.86. I ION REGARE S "ILLUMINAT	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA LABEL PER NEC 110.22(C). CON DING UL SERIES RATING OF PAIR TOR LVM 225VA". 225 WATT MC	IIGHEF AKER (FIRM ¹ ED BR DDEL. 1	R CONTACT ENGINEER. C DR FUSE AS PART OF A UL W/ EQUIPMENT MFG BEFC EAKERS/FUSES. IORMALLY ON. SEE DETA	IRCUIT SERIES DRE L FOR N	мC
DIST	TANCE 125' 160' 200' 225' 275' DISTANC ETER CE **COOF ENTER LI RGER PA	CE IS AC NTER TO CA RDINATE JGS WIT ANEL MA LARG	(3) #3/ (3) #4/ (3) #250 TUAL FEE APARTM BLE ALLO APARTM TH FEEDE AY BE NE ER FEEDE	0, #2 GN 0, #1 GN 0, #1/0 G EDER LEN MENT PAN MENT PAN R SIZE TO CESSARY ER WIRES.	ID** ND** GTH FROM VEL. <u>NO SER</u> VEL/LOAD BE USED. A TO ACCEPT TO ACCEPT	7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 PR PR PR PR UT UT BR PL IN 1. EN IN 2. (4) 3. 4C 4. SE 5. #1 6. (4) 7. (4) 8. SU 9. (4) 	COVIE COVIE ILITY 1 ILITY 1 EEAKE ATED 0 JRCH, AERG FORM #500 0A M RVIC /0 CI #500 #500 #1 C IRGE SETS	DE PL/ DE PL/ IRAN PRIOF RS W COM ASE. I ENC MATICO KCM IETER U MA IETER U MA IETER U MA IETER U MA OKCMI CU, #8 OF (ACARD ACARD SFORME TO PUI ITH A LE BINATIC E.C. TO (LIGHTI DN. I ALUM, BASE PI RANCE IN GRO I ALUM, 3 CU GN ECTION 4) #500	INDICAT ER SPECS RCHASIN ESSER LAE DN. PAIRE PROVIDE NG INVE 4" CONI ER UTILITY RATED V DUNDING #2 ALUN ND, 1-1/2 I DEVICE kcmil CL	ING ARC UNKNO' G EQUIP BELED AIG ED DEVIC E FIELD IN RTER WIT DUIT. Y REQUIR VEATHER ELECTRO M GND, 3 " CONDU J, 4" CON	E-FLASH WN AT MENT. C RATIN ES MU SPECT H BATT EMENT PROOF DDE CO 3-1/2" (JIT.	AIC HAZ TIME IF TR/ NG M ST BE OR W ERY B S. ME F DISC ONDU CONE	ARD A OF DE ANSFO IAY BE IN ACU /ITH MF BACK-U ETER BY CONNE JCTOR DUIT.	PANEL(S)/DISCON IGN COMPLETION RMER AIC IS LESS LO JSED IF THOSE BREA CORDANCE WITH N G'S DOCUMENTATI P EQUAL TO MYERS UTILITY. CT SIZED AND FUSE TO GROUNDING S'	9.24). NNECT(S). (N DESIGN IS E OWER RATED AKERS ARE P NEC 240.86. I ION REGARE S "ILLUMINAT ED AS INDICA YSTEM (SEE D	BASED ON 65,000AIC. E.C. TO V DEQUIPMENT MAY BE USED. IF H AIRED WITH AN UPSTREAM BREA LABEL PER NEC 110.22(C). CON DING UL SERIES RATING OF PAIR TOR LVM 225VA". 225 WATT MC	IIGHEF AKER (FIRM ¹ ED BR DEL. 1 ONE (R CONTACT ENGINEER. C OR FUSE AS PART OF A UL V/ EQUIPMENT MFG BEFC EAKERS/FUSES. NORMALLY ON. SEE DETA	IRCUIT SERIES DRE L FOR M SYSTEM	۸C ۱.

3 PHASE, 4 WIRE

EXT. STORAGE 1ST FLOOR

						EXT. S	TORAC	GE 4TH	FLOOF	5					3 PHASE, 4 WIRE	
						P/	٩N	EL	: S						SURFACE MOUNTED	
						LC	DAD PE	R PHA	SE						NEMA 1	
	POLE	WIRE SIZE	BRK SIZE	CKT #	A	٩	E	3	(2	CKT #	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-	
&4 FLR	1	12	20	1	1.5	1.2					2	20	12	1	REC: HVAC SERVICE 2	
GE 3&4	1	12	20	3			1.0	0.8			4	20	12	1	REC:CORRIDOR	
	1	12	20	5					1.0	0.2	6	20	12	1	FA BATTERY EXTENDER #3,L	0
	1	12	20	7	0.8	1.5					8	20	10	0		
D 3N	1	12	20	9			1.0	1.5			10	30	10	2	AH-10/HP-10	
D 3S	1	12	20	11					1.0	2.0	12	20	12	1	AH/HP-12A	
	1	-	20	13	0	2.0					14	20	12	1	AH/HP-12B	
	1	-	20	15			0	2.0			16	20	12	1	AH/HP-12C	
	1	-	20	17					0	2.0	18	20	12	1	AH/HP-12D	
					7.	.0	6.	.3	6	.2						
TOTAL	CONI	NECT	ED k\	/A:								DEM.	AND	kVA:	20.6	
PANEL RMS SYM. AMPS:					MPS: SEE RISER DEMAND AMPS: 57.2										57.2	

QUAL TO SQUARE D NQ. CK-ON ATTACHMENT REQUIRED

HALL HAVE RED IDENTIFICATION AND INCLUDE LOCK-ON ATTACHMENT. BREAKER ON POSITION. NEC 760.41

CIRCUIT VIA (2) EMERGENCY LIGHTING INVERTERS. SEE RISER FOR INVERTER LOCK-ON BREAKER ATTACHMENT. E.C. TO IDENTIFY AND PERMANENTLY MARK

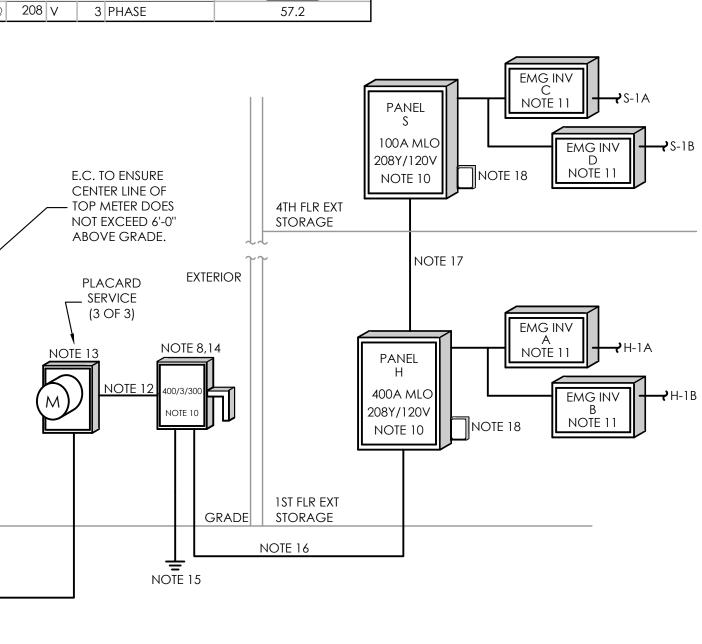
RDING TO NEC 700.10. E.C. TO ALSO CLEARLY LABEL BRANCH CIRCUIT AT PANEL

K-OFF ATTACHMENT REQUIRED (ATTACHMENT TO MEET NEC REQ'S FOR APPLIANCE

 REMAINDER
 8.0
 1.0
 8.0

totals 19.5

Ν	NEL S LOAD SUMN	IARY		
_	OAD TYPE 00 AMP BREAKER @ PANEL H	kVA CONN.	DEM. FACT.	kVA DEM.
T:	s (conn. load)	1.5	1.25	1.9
	1st 10 kVA	7.0	1.0	7.0
	REMAINDER	0.0	0.5	0.0
	ELEC HEAT	0.0	1.0	0.0
	LARGEST MOTOR	3.0	1.25	3.8

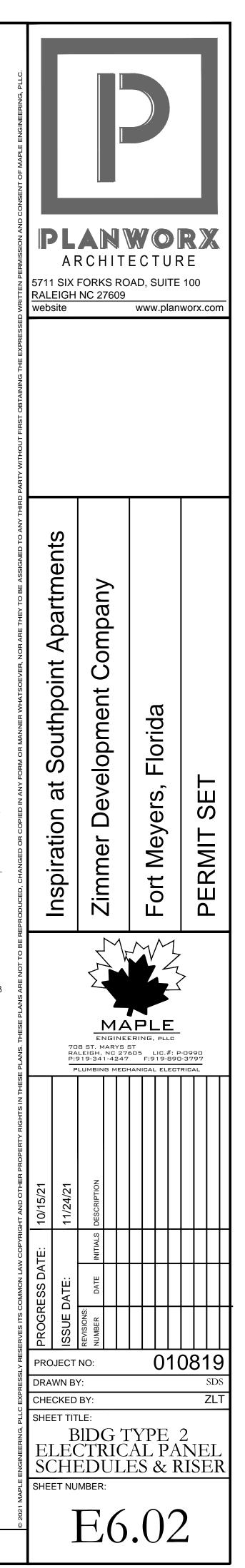


20.6

NOTE: TERMINAL BLOCK MAY BE REQUIRED FOR UPSIZED APARTMENT FEEDER. SEE RISER NOTE 5.

ORE TAIL FOR MORE

epicted and implied herein. intaining, or regulating construction costs associated with these plans.



							BEDR	00М 2	2			
	Voltage: 208y/120V				F		N	EL:	Bź	2		
	AMPS: 125-MLO					LC	dad pe	R PHA	SE			
	-DESCRIPTION-	POLE	WIRE SIZE	BRK SIZE	CKT #	/	4	E	3	CKT#	BRK SIZE	WIRE SIZE
	REC: BATHROOMS	1	12	20	1	0.3	1.5			2	20	12
AFI	LTS/REC: BEDROOM#2/PAT	1	14	15	3			1.1	1.5	4	20	12
AFI	LTS/REC: LAUNDRY/BATH	1	14	15	5	0.8	4			6	50	6
AFI	LTS/REC: BEDROOM#1/STOR	1	14	15	7			1.0	4	8	50	0
	SPACE	1	-	-	9	0	1.0			10	20	12
AFI	REC: KITCHEN/DINING	1	12	20	11			0.6	1.0	12	20	12
AFI	REC: KITCHEN	1	12	20	13	0.9	2.5			14	30	10
AFI	LTS/REC: LIVING/KITCHEN	1	14	15	15			1.3	2.5	16	30	10
	AIR HANDLER	2	10	30	17	2.9	2.3			18	30	10
		2	10	30	19			2.9	2.2	20	30	10
	HFAT PUMP	2	12	20	21	1.2	0		_	22	-	-
		2	12	20	23			1.1	0	24	-	-
						17	7.4	19	9.2			
	TOTAL	L CONNECTED kVA: 36.6									DEM.	AND
	PANE	LRMS	S SY№	1. AM	PS:	SEE	RISE	R		D	EMAI	ND A
						-				-		

1. PANEL SHALL BE EQUAL TO SQUARE D QO.

2. AFI - PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER FOR CIRCUIT.

3. PROVIDE HACR BREAKERS FOR HVAC & REFRIGERATION EQUIPMENT. 4. GFI - PROVIDE GFCI BREAKER FOR CIRCUIT. GFCI RECEPTACLES MAY BE USED IN LIEU OF GFCI

BREAKERS SO LONG AS THE DEVICE(S) CONFORM TO NEC CODE REQUIREMENTS FOR GFCI PROTECTION & ACCESSIBILITY. 5. BRANCH CIRCUIT MAY BE #4 ALUM SER CABLE W/ #8 ALUM GND IN LIEU OF COPPER.

6. VERIFY BREAKER AND WIRE SIZE REQUIREMENTS WITH EQUIPMENT NAMEPLATE BEFORE BEGINNING WORK.

7. NOT PRESENT IN ADA UNITS.

LOAD SUM	MARY - RE	SIDENTIAL	LOAD SUM	MARY - RE	esidential	LOAD SUM	1MARY - RE	SIDENTIAL	LOAD SUN	MMARY - RES	IDENTIA	۸L	LOAD SUM	MARY - RE			
	NEC SECTION 220			NEC SECTION 220			NEC SECTION 220			NEC SECTION 220				NEC SECTION 220			
PANE	EL: C2 (UNIT TYPE	3.0)	PANE	EL: C1 (UNIT TYP	E 2.2)	PAN	EL: B2 (UNIT TYPE	2.1)	PAN	EL: B1 (UNIT TYPE 2	.0)		PANEL	: A1 (UNIT TYPE	1.0)		
GENERAL	LOAD	kVA CONN.	GENERAL	LOAD	kVA CONN.	GENERAL	LOAD	kVA CONN.	GENERA	l load	kVA CC	DNN.	GENERAL I	LOAD	kV.	/A CONN.	
LIGHTS & REC	CEPTACLES	2.4	LIGHTS & REC	eptacles		LIGHTS & REC	CEPTACLES	0.0	LIGHTS & REC	CEPTACLES			LIGHTS & RECE	PTACLES			
© 3VA PER SQFT	1192 SQFT		@ 3VA PER SQFT	1305 SQFT	3.9	© 3VA PER SQFT	977 SQFT	2.9	@ 3VA PER SQFT	965 SQFT	- 2.9		@ 3VA PER SQFT	657 SQFT		2.0	
Small appliance	ES & LAUNDRY		Small Applianci	ES & LAUNDRY		Small applianc	ES & LAUNDRY		Small applianc	CES & LAUNDRY			Small appliances	& LAUNDRY			
@ 1500VA PER CIRCUIT	2 # CIRCUITS	3.0	@ 1500VA PER CIRCUIT	2 # CIRCUITS	3.0	@ 1500VA PER CIRCUIT	2 # CIRCUITS	3.0	@ 1500VA PER CIRCUIT	2 # CIRCUITS	- 3.0		@ 1500VA PER CIRCUIT	2 # CIRCUITS		3.0	
ELECTRIC CLOT	THES DRYER	5.0	ELECTRIC CLOT	i i Ihes dryer	5.0	ELECTRIC CLO	THES DRYER	5.0	ELECTRIC CLC	THES DRYER	5.0		ELECTRIC CLOTHES DRYER WASHER RANGE DISHWASHER			5.0	
WASH	IER	1.0	WASH	ER	1.0	WASH	IER	1.0	WASI	HER	1.0		WASHER RANGE			1.0	
RANG	GE	8.0	RANG	ЭЕ	8.0	RANC	GE	8.0	RAN	GE	8.0		RANGE			8.0	
DISHWAS	SHER	1.5	DISHWA	SHER	1.5	DISHWA	SHER	1.5	DISHWA	SHER	1.5		DISHWASH	HER		1.5	
DISPOS	SAL	1.5	DISPOS	SAL	1.5	DISPO	SAL	1.5	DISPC	SAL	1.5		DISPOSA	۸L		1.5	
WATER HE	EATER	4.5	WATER HEATER		4.5	WATER HEATER		4.5	WATER HEATER		4.5		WATER HEA	ATER		4.5	
MICROWAVE (E	DEDICATED)	1.0	MICROWAVE (I	DEDICATED)	1.0	MICROWAVE (DEDICATED)	1.0	MICROWAVE	(DEDICATED)	1.0		MICROWAVE (DE	EDICATED)		1.0	
	TOTAL GENERAL LOA			TOTAL GENERAL LC			TOTAL GENERAL LOA			TOTAL GENERAL LOAD			Т	OTAL GENERAL LOA		27.5	
DEMAND	LOAD	kVA DEM. kVA CONN. FACT. DEM.	DEMAND	load	kVA DEM. KVA CONN. FACT. DEM.	DEMAND	LOAD	kVA DEM. kVA CONN. FACT. DEM.	DEMANE) LOAD	kVA DEM CONN. FAC		DEMAND L	OAD		DEM. FACT.	
FIRST 10 kVA GENERA	al load @ 100%	10.0 1.0 10.0	FIRST 10 kVA GENER	al load @ 100%	10.0 1.0 10.0	FIRST 10 kVA GENER	al load @ 100%	10.0 1.0 10.0	FIRST 10 kVA GENER	al load @ 100%	10.0 1.0	10.0	FIRST 10 kVA GENERAL	LOAD @ 100%	10.0	1.0	10.0
REMAINDER OF GENE	ERAL LOAD @ 40%	19.1 0.4 7.6	REMAINDER OF GENE	RAL LOAD @ 40%	19.4 0.4 7.8	REMAINDER OF GENE	ERAL LOAD @ 40%	18.4 0.4 7.4	REMAINDER OF GEN	eral load @ 40%	18.4 0.4	7.4	REMAINDER OF GENER	AL LOAD @ 40%	17.5	0.4	7.0
HVAC LOAD (NEC	C SEC 220.82-C)	2.4 1.0 2.4	HVAC LOAD (NEC	SEC 220.82-C)	2.4 1.0 2.4	HVAC LOAD (NEC	C SEC 220.82-C)	2.0 1.0 2.0	HVAC LOAD (NEC	C SEC 220.82-C)	2.0 1.0	2.0	HVAC LOAD (NEC S	SEC 220.82-C)	2.0	1.0	2.0
HEAT PUMP CO	OMPRESSOR	2.4 1.0 2.4	HEAT PUMP CC	OMPRESSOR	2.4 1.0 2.4	HEAT PUMP CC	OMPRESSOR	2.0 1.0 2.0	HEAT PUMP CO	OMPRESSOR			HEAT PUMP CON	APRESSOR			
HEAT PUMP ELEC	ECTRIC HEAT	6.0 0.65 3.9	HEAT PUMP ELE	CTRIC HEAT	6.0 0.65 3.9	HEAT PUMP ELE	CTRIC HEAT	3.6 0.65 2.3	HEAT PUMP ELI	ECTRIC HEAT	3.6 0.65	5 2.3	HEAT PUMP ELEC	TRIC HEAT	3.6	0.65	2.3
	· · · · ·	LS 37.5 23.9			TALS 37.8 24.1	24.1 TOTALS 34.0 21.7				21.7 TOTALS 34.0 2				21.7 TOTA			21.3
total amps @ 208	3 V 1 PHASE	115.1	total amps @ 208	V 1 PHASE	115.7	TOTAL AMPS @ 208	3 V 1 PHASE	104.4	total amps @ 20	8 V 1 PHASE	104.3	3	TOTAL AMPS @ 208	V 1 PHASE		102.5	

All drawings are to be coordinated with all site information by owner and contractor, and applicable codes. 3. Planworx Architecture, P.A. is not responsible for constructed variations from the All drawings are to be cooldinated with all site information by owner and contractor, and applicable codes. Contractor is to notify architect immediately of conditions or items varying from depicted information. Copyright 2021 - PLANWORX ARCHITECTURE, P.A. All rights reserved. Reproduction of this sheet, in whole or in part, is strictly prohibited. Plans may be used once by client. Unauthorized use strictly prohibited. PLANS NOT VALID FOR CONSTRUCTION W/O APPROPRIATE PROFESSIONAL SEALS.

the information depicted.	5.	Planworx Architecture,	P.A. re	etains ownership of a	all of designs
ted with errors and omissions on these drawings unless offset by verified construction savings as a result of planworx architecture, P.A. Design	n. 6.	Planworx Architecture.	P.A. is	s not responsible for e	estimatina. m
duce strictly prohibited DLANS NOT VALID FOR CONSTRUCTION W/O ADDRODDIATE DROFESSIONAL SEALS	-		-		3,

1 PHASE, 3 WIRE

FLUSH MOUNTED NEMA 1 -DESCRIPTION-DISHWASHER AFI GARBAGE DISPOSAL AFI OVEN/RANGE #5,6 MICROWAVE #7 WASHER AFI, GFI DRYER WATER HEATER SPACE SPACE ND kVA: 22.0 AMPS: 105.8

							BEDR	оом	1		1 PHASE, 3 WIRE				
	VOLTAGE: 208/120V				F	PA	NE	EL:	С	2				FLUSH MOUNTED	
	AMPS: 125-MLO					LC	DAD PE	R PHA	.SE					NEMA 1	
	-DESCRIPTION-	POLE	WIRE SIZE	BRK SIZE	CKT #	ŀ	۹.	E	3	CKT#	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-	
	REC: BATHROOMS	1	12	20	1	0.3	1.5			2	20	12	1	DISHWASHER	AFI
AFI	LTS/REC: BEDROOM#2	1	14	15	3			1.1	1.5	4	20	12	1	GARBAGE DISPOSAL	AFI
AFI	LTS/REC: LAUNDRY/BATH	1	14	15	5	0.8	4			6	50	6	2	OVEN/RANGE	#5 Z
AFI	LTS/REC: BEDROOM#1/PAT	1	14	15	7			1.0	4	8	50	0	Z	OVEN/RANGE	#3,6
AFI	LTS/REC: BEDROOM#3/HALL	1	14	15	9	1.0	1.0			10	20	12	1	MICROWAVE	#7
AFI	REC: KITCHEN/DINING	1	12	20	11			0.6	1.0	12	20	12	1	WASHER	AFI,GFI
AFI	REC: KITCHEN	1	12	20	13	0.9	2.5			14	30	10	0	DRYER	
AFI	LTS/REC: LIVING/KITCHEN	1	14	15	15			1.3	2.5	16	30	10	2	DRTER	
	AIR HANDLER	2	8	40	17	3.0	2.3			18	30	10	2	WATER HEATER	
		2	0	40	19			3.0	2.2	20	30	10	Z	WATER HEATER	
	HEAT PUMP	2	10	25	21	1.4	0			22	-	-	1	SPACE	
		Z	10	25	23			1.4	0	24	-	-	1	SPACE	
						18	3.7	19	9.6						
	TOTAL	TOTAL CONNECTED kVA:						3.3			DEM,	AND	kVA:	24.0	
			iel RMS SYM. AMPS: S						D	EMAI		MPS:			

2. AFI - PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER FOR CIRCUIT.

3. PROVIDE HACR BREAKERS FOR HVAC & REFRIGERATION EQUIPMENT. 4. GFI - PROVIDE GFCI BREAKER FOR CIRCUIT. GFCI RECEPTACLES MAY BE USED IN LIEU OF GFCI BREAKERS SO LONG AS THE DEVICE(S) CONFORM TO NEC CODE REQUIREMENTS FOR GFCI

PROTECTION & ACCESSIBILITY. 5. BRANCH CIRCUIT MAY BE #4 ALUM SER CABLE W/ #8 ALUM GND IN LIEU OF COPPER.

6. VERIFY BREAKER AND WIRE SIZE REQUIREMENTS WITH EQUIPMENT NAMEPLATE BEFORE BEGINNING WORK. 7. NOT PRESENT IN ADA UNITS.

						BEDR	00M						1 PHASE, 3 WIRE
	Voltage: 208y/120V					PAN	EL:	B	1				FLUSH MOUNTED
	AMPS: 125-MLO					LOAD PE	R PHA	SE					NEMA 1
	-DESCRIPTION-	POLE	WIRE SIZE	BRK SIZE	CKT #	A	E	3	CKT#	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-
	REC: BATHROOMS	1	12	20	1	0.3 1.5			2	20	12	1	DISHWASHER
AFI	LTS/REC: BEDRM#2/BATH#2	1	14	15	3	·	1.1	1.5	4	20	12	1	GARBAGE DISPOSAL
AFI	LTS/REC: LAUNDRY/BATH #1	1	14	15	5	0.8 4			6	50	,		
٩FI	LTS/REC: BEDROOM#1/PAT	1	14	15	7		1.0	4	8	50	6	2	OVEN/RANGE
	SPACE	1	-	-	9	0 1.0			10	20	12	1	MICROWAVE
٩FI	REC: KITCHEN/DINING	1	12	20	11		0.6	1.0	12	20	12	1	WASHER
٩FI	REC: KITCHEN	1	12	20	13	0.9 2.5			14	30	10	2	DRYER
AFI	LTS/REC: LIVING/KITCHEN	1	14	15	15		1.3	2.5	16	30	10	Z	DRTER
	AIR HANDLER	2	10	30	17	2.9 2.3			18	30	10	2	WATER HEATER
		2	10	30	19		2.9	2.2	20	30	10	2	
	HEAT PUMP	2	12	20	21	1.2 0			22	-	-	1	SPACE
		2	12	20	23		1.1	0	24	-	-	1	SPACE
						17.4	19	2.2					
	TOTAL	CON	NECT	ED k\	VA:	36	5.6			DEM.	AND	kVA:	22.0
	PANE	NEL RMS SYM. AMPS:				S: SEE RISER			DEMAND AMPS:			MPS:	105.8

1. PANEL SHALL BE EQUAL TO SQUARE D QO.

2. AFI - PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER FOR CIRCUIT.

PROVIDE HACR BREAKERS FOR HVAC & REFRIGERATION EQUIPMENT. 4. GFI - PROVIDE GFCI BREAKER FOR CIRCUIT. GFCI RECEPTACLES MAY BE USED IN LIEU OF GFCI BREAKERS SO LONG AS THE DEVICE(S) CONFORM TO NEC CODE REQUIREMENTS FOR GFCI PROTECTION & ACCESSIBILITY.

5. BRANCH CIRCUIT MAY BE #4 ALUM SER CABLE W/ #8 ALUM GND IN LIEU OF COPPER.

6. VERIFY BREAKER AND WIRE SIZE REQUIREMENTS WITH EQUIPMENT NAMEPLATE BEFORE BEGINNING WORK.

1. PANEL SHALL BE EQUAL TO SQUARE D QO.

NOTE: COORDINATE APARTMENT ANEL/LOAD CENTER UGS WITH FEEDER SIZE TO E USED. A LARGER PANEL MAY BE NECESSARY TO ACCEPT LARGER FEEDER VIRES.	

					BEDR	00M 1					1 PHASE, 3 WIRE	
VOLTAGE: 208/120V				F	PANE	EL: C)]				FLUSH MOUNTED	
AMPS: 125-MLO					LOAD PE	R PHASE					NEMA 1	
-DESCRIPTION-	POLE	WIRE SIZE	BRK SIZE	CKT #	А	В	CKT#	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-	
REC: BATHROOMS	1	12	20	1	0.3 1.5		2	20	12	1	DISHWASHER	
LTS/REC: BEDROOM#2/PAT	1	14	15	3		1.1 1.5	4	20	12	1	GARBAGE DISPOSAL	
LTS/REC: LAUN/BATH/HALL	1	14	15	5	0.8 4		6	50	,			
LTS/REC: BEDROOM#1/BATH	1	14	15	7		1.0 4	8	50	6	2	OVEN/RANGE	
LTS/REC:DEN	1	14	15	9	1.0 1.0		10	20	12	1	MICROWAVE	
REC: KITCHEN/DINING	1	12	20	11	·	0.6 1.0	12	20	12	1	WASHER	
REC: KITCHEN	1	12	20	13	0.9 2.5		14	20	10			
LTS/REC: LIVING/KITCHEN	1	14	15	15		1.3 2.5	16	30	10	2	DRYER	
			10	17	3.0 2.3		18	20	10			
AIR HANDLER	2	8	40	19		3.0 2.2	20	30	10	2	WATER HEATER	
		10	05	21	1.4 0		22	-	-	1	SPACE	
HEAT PUMP	2	10	25	23		1.4 0	24	-	-	1	SPACE	
					18.7	19.6						
TOTAL	CON	NECT	ΈD k'	VA:	38	3.3		DEM	AND	kVA:	24.2	
PANE	EL RM	S SYN	1. AM	PS:	SEE RISE	R	D	EMA	ND A	MPS:	116.2	
 PANEL SHALL BE EQUAL TO AFI - PROVIDE ARC FAULT (PROVIDE HACR BREAKERS I GFI - PROVIDE GFCI BREAK BREAKERS SO LONG AS THE PROTECTION & ACCESSIBIL BRANCH CIRCUIT MAY BE # VERIFY BREAKER AND WIRE WORK. 	CIRCU FOR H ER FC E DEV ITY. #4 AL	JIT INT IVAC DR CII ICE(S UM SI	TERRU & RE RCUIT) CO ER C/	JPTE EFRI T. G NFC ABLI	GERATIO FCI RECI DRM TO N E W/ #8 A	N EQUIP EPTACLE NEC CO ALUM GI	MEN S MA DE RI ND IN	t. Ny be Equif 1 lieu	REME OF C	nts f	OR GFCI ER.	
VOLTAGE: 208Y/120V				F	BEDR	оом 1 - I • А	1				1 PHASE, 3 WIRE FLUSH MOUNTED	
AMPS: 125-MLO												
-DESCRIPTION-	POLE	SIZE	SIZE	#	A	В	CKT#	SIZE	SIZE	POLE	-DESCRIPTION-	
	-											
REC: BATHROOM	1	12	20	1	0.3 1.5	1	2	20	12	1	DISHWASHER	
	1	12 14 14	20 15 15	1 3	0.3 1.5	1.1 1.5	2	20 20	12 12	1	DISHWASHER GARBAGE DISPOSAL	

AFI

#5,6

R AFI,GFI

WORK.

						E	BEDRO	г мос						1 PHASE, 3 WIRE	
	VOLTAGE: 208Y/120V				F	PAI	NE	EL:	Α	1				FLUSH MOUNTED	
	AMPS: 125-MLO					LO	AD PE	R PHA	SE					NEMA 1	
	-DESCRIPTION-	POLE	WIRE SIZE	BRK SIZE	CKT #	A		E	3	CKT#	BRK SIZE	WIRE SIZE	POLE	-DESCRIPTION-	
	REC: BATHROOM	1	12	20	1	0.3	1.5			2	20	12	1	DISHWASHER	AFI
AFI	LTS/REC: BEDROOM #1	1	14	15	3			1.1	1.5	4	20	12	1	GARBAGE DISPOSAL	AFI
AFI	LTS/REC: LAUNDRY/BATH	1	14	15	5	0.8	4			6	50	6	2	OVEN/RANGE	#56
	SPACE	1	-	-	7			0	4	8	50	0	Z	OVLIV/KANGL	#3,0
	SPACE	1	-	-	9	0	1.0			10	20	12	1	MICROWAVE	#7
AFI	REC: KITCHEN/DINING	1	12	20	11			0.6	1.0	12	20	12	1	WASHER	AFI,GF
AFI	REC: KITCHEN	1	12	20	13	0.9	2.5			14	30	10	2	DRYER	
AFI	LTS/REC: LIVING/KITCHEN	1	14	15	15			1.3	2.5	16	30	10	Z	DKILK	
	AIR HANDLER	2	10	30	17	2.5	2.3		r	18	30	10	2	WATER HEATER	
			10	00	19			2.5	2.2	20	00	10	2		
	HEAT PUMP	2	12	20	21	1.0	0			22	-	-	1	SPACE	
		2	12	20	23			1.0	0	24	-	-	1	SPACE	
						16.	.8	17	' .7						
	TOTAL	CON	NECT	ED k	√A: 34.5						DEM.	AND	kVA:	21.6	
	PANE	LRM	S SYN	I. AM	PS:	SEE F	RISEI	R		D	EMAI	ND A	MPS:	104.0	

1. PANEL SHALL BE EQUAL TO SQUARE D QO.

AFI - PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER FOR CIRCUIT.

PROVIDE HACR BREAKERS FOR HVAC & REFRIGERATION EQUIPMENT. 4. GFI - PROVIDE GFCI BREAKER FOR CIRCUIT. GFCI RECEPTACLES MAY BE USED IN LIEU OF GFCI

BREAKERS SO LONG AS THE DEVICE(S) CONFORM TO NEC CODE REQUIREMENTS FOR GFCI PROTECTION & ACCESSIBILITY. 5. BRANCH CIRCUIT MAY BE #4 ALUM SER CABLE W/ #8 ALUM GND IN LIEU OF COPPER.

6. VERIFY BREAKER AND WIRE SIZE REQUIREMENTS WITH EQUIPMENT NAMEPLATE BEFORE BEGINNING

7. NOT PRESENT IN ADA UNITS.

gns depicted and implied herein.

, maintaining, or regulating construction costs associated with these plans.

