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 Peter C. Lindstrom, P.E. #47096



Leon County  
 Courthouse Annex  
 (Bank of America) Stair  
 & Elevator  
 Pressurization  
 12062

Project Code: \_\_\_\_\_ Checked By: \_\_\_\_\_

27 April 2012

Date

Construction Documents

- Revisions
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**GENERAL NOTES & LEGEND - ELECTRICAL**

Tallahassee, Florida

**E001**

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ELECTRICAL GENERAL NOTES	
1.	INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 EDITION, THE FLORIDA FIRE PREVENTION CODE 2004 EDITION, THE NATIONAL ELECTRICAL CODE, AND ALL CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2.	CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
3.	ENTRY AND REMOVAL OF EQUIPMENT FROM THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR ANY DAMAGED MATERIALS TO THEIR ORIGINAL CONDITION. SURFACES SHALL BE REPAIRED TO MATCH THE EXISTING ADJACENT UNDAMAGED SURFACES.
4.	ALL WIRING SYSTEMS SHALL BE COPPER CONDUCTORS IN METALLIC CONDUIT, UNLESS NOTED OTHERWISE. WIRE AND CONDUIT SIZES SHOWN ARE BASED ON THIN COPPER, UNLESS NOTED OTHERWISE. HEAVY WALL RIGID PVC CONDUIT SHALL BE USED IN SLABS AND BELOW GRADE AND WHERE INDICATED AND INTERMEDIATE GRADE CONDUIT AND EMT CONDUIT MAY BE USED ELSEWHERE WHERE APPROVED BY N.E.C. AND LOCAL CODES. FLEXIBLE METAL CONDUIT SHALL BE STEEL AND USED TO CONNECT EQUIPMENT WHERE INDICATED AND WHERE REQUIRED DUE TO VIBRATION AND CONNECTION ACCESSIBILITY.
5.	ALL CONDUIT SHALL BE STRAPPED IN ACCORDANCE WITH REQUIREMENTS OF N.E.C.
6.	CONTRACTOR SHALL BOND AND GROUND SYSTEMS AND EQUIPMENT PER ARTICLE 250 OF N.E.C. PROVIDE A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH ARTICLE 250-122 N.E.C. ON ALL RECEPTACLES AND POWER BRANCH CIRCUITS.
7.	THE CONTRACTOR SHALL COORDINATE THE CIRCUIT REQUIREMENTS WITH THE MANUFACTURER OF THE ACTUAL EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF WORK. THE CIRCUIT BREAKER, WIRE AND CONDUIT SHALL BE SIZED AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
8.	ALL PANELBOARDS SHALL HAVE COPPER BUS. ALL CIRCUIT BREAKERS SHALL BE BOLT-IN TYPE.
9.	PROVIDE A LAMINATED PLASTIC NAMEPLATE IDENTIFYING EACH NEW PANELBOARD, MOTOR STARTER AND DISCONNECT SWITCH. LETTERING SHALL BE 1/2" MINIMUM AND SHALL IDENTIFY EQUIPMENT SERVED, FEEDER ORIGINATOR AND CIRCUIT NUMBER. SECURE NAMEPLATE WITH SCREWS TO EQUIPMENT TO BE IDENTIFIED. PLASTIC TAPE IS NOT APPROVED.
10.	ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS THAT REQUIRE ELECTRICAL CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.
11.	A 120V/20A GFI RECEPTACLE SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT ON ROOFTOPS AND IN ATTICS AND CRAWL SPACES. THE RECEPTACLE SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25 FT OF THE HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT DISCONNECTING MEANS.
12.	MOTOR STARTERS SHALL BE FULL VOLTAGE ACROSS-THE-LINE COMBINATION CONTROLLER WITH FUSED DISCONNECT, PROVIDE WITH AUXILIARY N.O. N.C. CONTACTS, BIMETALLIC OVERLOAD RELAYS, & GREEN PILET LIGHTS). STARTER MUST BE COMPATIBLE WITH A REMOTE CONTROL HAND-OFF-AUTO (HOA) & FAN STATUS INDICATOR THAT WILL BE LOCATED IN THE EXISTING SIMPLEX 4100U FIRE ALARM PANEL. COORDINATE WITH MR JOHN NIXON OF SIMPLEX GRINNELL (850) 575-1744.

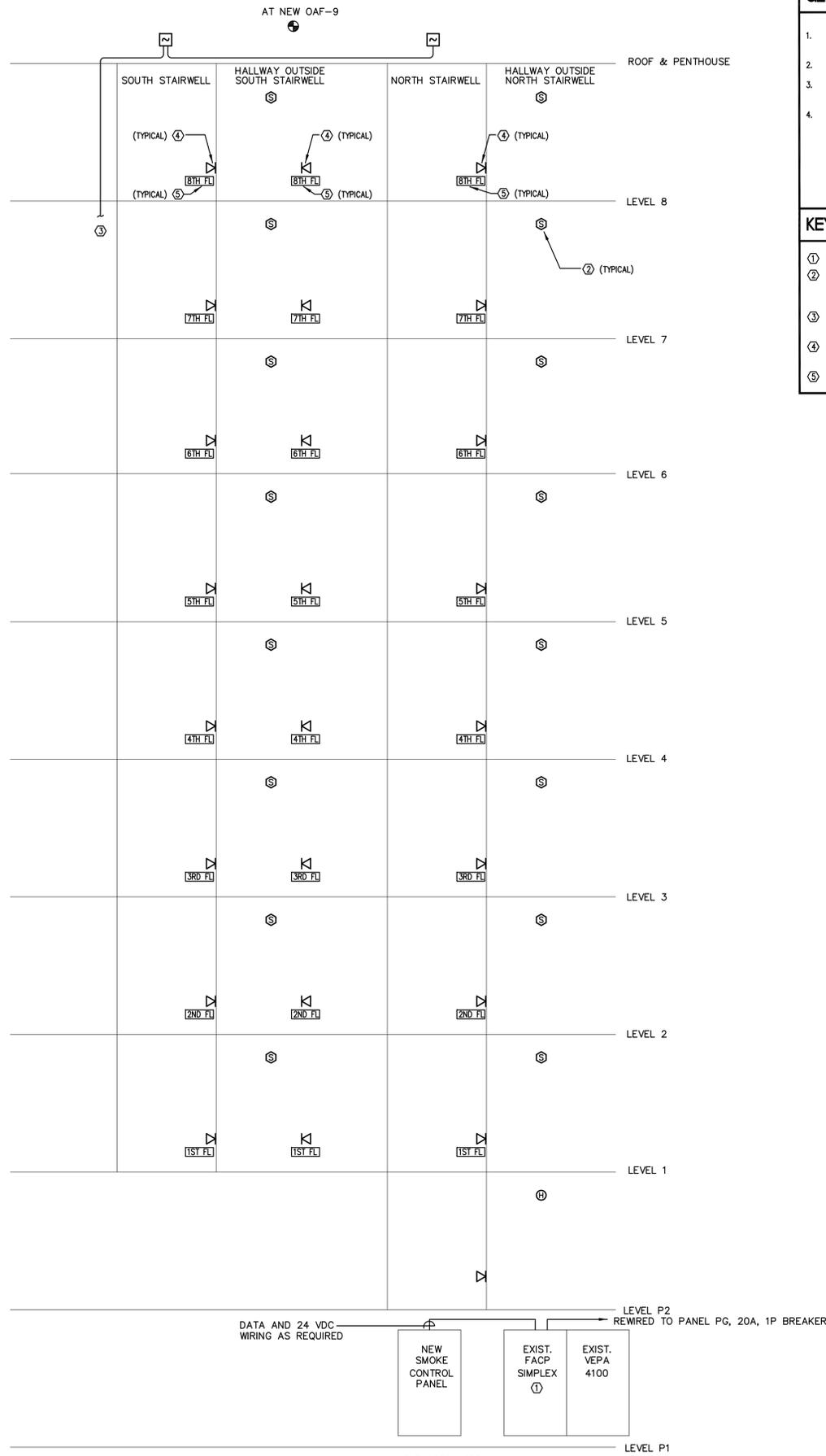
DRAWING INDEX		
E001	GENERAL NOTES & LEGEND	ELECTRICAL
E109	PARTIAL FLOOR PLANS	ELECTRICAL
E301	RISER DIAGRAMS	ELECTRICAL
E302	PANEL SCHEDULES	ELECTRICAL

ELECTRICAL SYMBOLS LEGEND	
NOTE: AN ELECTRICAL SYMBOL SHOWN IN THIS LEGEND IS NOT MEANT TO INDICATE THAT THE SPECIFIC EQUIPMENT IS REQUIRED FOR THIS PROJECT. (SEE THE FOLLOWING SHEETS FOR EQUIPMENT REQUIRED ON THIS PROJECT.)	
<b>POWER</b>	
	DUPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF UNLESS NOTED OTHERWISE
	12"x12"x4" DEEP PULL/JUNCTION BOX W/SCREW COVER (UNO)
	JUNCTION BOX - 4" SQUARE UNLESS NOTED OTHERWISE
	ELECTRICAL CONNECTION
	WIRE IN CONDUIT - CONCEALED IN WALL OR CEILING
	WIRE IN CONDUIT - CONCEALED IN FLOOR OR UNDERGROUND
	FLEXIBLE STEEL CONDUIT
	CONDUIT - STUB OUT AND CAP
	HOMERUN TO PANEL - ARROWS INDICATE NUMBER OF CIRCUITS, SLASH MARKS INDICATE NUMBER OF PHASE CONDUCTORS, NO SLASH MARKS INDICATE 2 CURRENT CARRYING CONDUCTORS, LONG SLASH MARK(S) INDICATE NEUTRAL CONDUCTOR(S). (NOTE THAT THE GREEN GROUND WIRE IS NOT SHOWN BUT IS REQUIRED IN EACH FEEDER, LIGHTING, RECEPTACLE, AND POWER BRANCH CIRCUIT. THERE SHALL BE NO SHARED NEUTRALS BETWEEN MULTIPLE CIRCUITS.)
	ELECTRIC PANEL - 120/208 VOLT
	DISCONNECT SWITCH - SEE DRAWING FOR SIZE *
	MAGNETIC MOTOR STARTER - SEE DRAWING FOR SIZE *
	COMBINATION DISCONNECT SWITCH & MAGNETIC MOTOR STARTER - WHEN SERVING MOTOR 15 HP OR LARGER, REDUCED VOLTAGE STARTER IS REQUIRED. (SEPARATE ITEMS ACCEPTABLE IN PLACE OF COMBINATION) - SEE DRAWING FOR SIZE *
	ADJUSTABLE FREQUENCY DRIVE (AFD) - FURNISHED BY DIV. 23 INSTALLED & WIRED BY DIV. 26
	ELECTRICAL DEVICES TO BE REMOVED
* EQUIPMENT SIZES WILL BE INDICATED AS FOLLOWS:	
<b>FIRE ALARM SYSTEM</b>	
NOTE: FIRE ALARM SYSTEM CONTRACTOR SHALL SUBMIT A SEPARATE PERMIT APPLICATION AND PLANS FOR REVIEW. MATCH EXISTING SIMPLEX SYSTEM.	
	FIRE ALARM CONTROL PANEL
	FIRE ALARM VOICE EVACUATION PANEL
	MANUAL FIRE ALARM PULL STATION - MOUNT 48" AFF UNLESS NOTED OTHERWISE
	FIRE ALARM SPEAKER/STROBE - MOUNT 80" AFF TO BOTTOM OF STROBE UNLESS NOTED OTHERWISE (95 cd uno)
	ADA COMPLIANT FLASHING STROBE - MOUNT 80" AFF TO BOTTOM OF STROBE UNLESS NOTED OTHERWISE (95 cd uno)
	SMOKE DETECTOR - CEILING MOUNTED - CONNECT TO FIRE ALARM SYSTEM
	HEAT DETECTOR - CEILING MOUNTED, 135' TYPE UNLESS NOTED OTHERWISE
	DUCT MOUNTED SMOKE DETECTOR
	FIREMENS PHONE JACK, SURFACE MOUNTED IN A 4"x4" BOX

GENERAL NOTES	
1.	DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
2.	FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
3.	BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4.	THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5.	CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
6.	ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7.	ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDOUS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8.	COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
9.	THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10.	THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
11.	THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12.	THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE (OWNER) AT COMPLETION OF CONSTRUCTION.
13.	CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14.	THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15.	NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
16.	PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.
17.	SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ALL EXTERIOR STRUCTURES INCLUDED, BUT NOT LIMITED TO, THE GENERATOR AND GENERATOR FENCE/WALL SHALL BE INSTALLED TO RESIST 110 MPH WIND LOAD.
18.	CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE WALL ASSEMBLIES AND ACOUSTICAL WALLS.
19.	BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
20.	CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
21.	CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
22.	THE BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION. THE OWNER WILL MAKE ALL REASONABLE EFFORTS TO ASSIST THE CONTRACTOR IN COMPLETING THE WORK. COORDINATE ALL WORK WITH THE OWNER'S DESIGNATED REPRESENTATIVE.
23.	EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
24.	REMOVE AND RE-INSTALL EXISTING CEILING TILE AS REQUIRED. REPLACE ANY TILE DAMAGED OR SOILED DURING CONSTRUCTION.
25.	PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE, CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED.
26.	SEAL ALL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.
27.	ALL EXISTING EQUIPMENT IS THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER. DISPOSE OF ALL MATERIALS AND EQUIPMENT SHOWN TO BE REMOVED IN ACCORDANCE WITH LOCAL REGULATIONS.
28.	ITEMS REMOVED AND SAVED FOR REUSE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL IDENTIFY ANY DEFECTIVE MATERIALS PRIOR TO DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO MATERIALS AT PROJECT COMPLETION NOT IDENTIFIED PRIOR TO DEMOLITION.
29.	RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK.
30.	REMOVE ALL ELECTRICAL EQUIPMENT (CONDUIT, POWER & CONTROL WIRING, DISCONNECT SWITCHES, STARTERS, ETC.) RELATED TO EQUIPMENT BEING REMOVED OR REPLACED.
31.	ALARM, SUPERVISORY AND TROUBLE SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN APPROVED CENTRAL STATION, REMOTE SUPERVISING STATION OR PROPRIETARY SUPERVISING STATION AS DEFINED IN NFPA 72 OR, WHEN APPROVED BY THE BUILDING OFFICIAL, SHALL SOUND AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION. COORDINATE WITH DIVISION 26 CONTRACTOR AS REQUIRED.
32.	ALL EXTERIOR DEVICES SHALL BE WEATHER PROOF ENCLOSURES AND GFI RATED IN ACCORDANCE WITH N.E.C. INSTALLER REQUIRED TO VERIFY PRIOR TO ORDERING MATERIALS.

ABBREVIATIONS	
ACT	ABOVE COUNTERTOP
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ATS	AUTOMATIC TRANSFER SWITCH
BF	BELOW RAISED COMPUTER FLOOR
CER	MAIN COMMUNICATION EQUIPMENT RACK
CC	COMMUNICATION CABINET (OR RACK WHERE NOTED)
DN	DOWN
EM	FIXTURE PROVIDED W/ EMERGENCY BATTERY BALLAST (SEE SPECIFICATIONS SECTION 16510) OR ON EMERGENCY GENERATOR CIRCUIT
ER	EXISTING ELECTRICAL DEVICE SHOWN AT RELOCATED POSITION
RE	REPLACE EXISTING ELECTRICAL DEVICE (AND COVER PLATE) AT THIS LOCATION
EW	ELECTRIC WATER COOLER (ANY EMC RECEPT. THAT IS NOT HIDDEN BY THE EMC MUST BE A GFI TYPE)
EX	EXISTING ELECTRICAL DEVICES TO REMAIN
EXP	EXPLOSION PROOF
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
HID	HIGH INTENSITY DISCHARGE
MIG	ISOLATED GROUND
NL	NIGHT LIGHT (FIXTURE CONNECTED UNSWITCHED)
MSB	MAIN SWITCH BOARD
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF



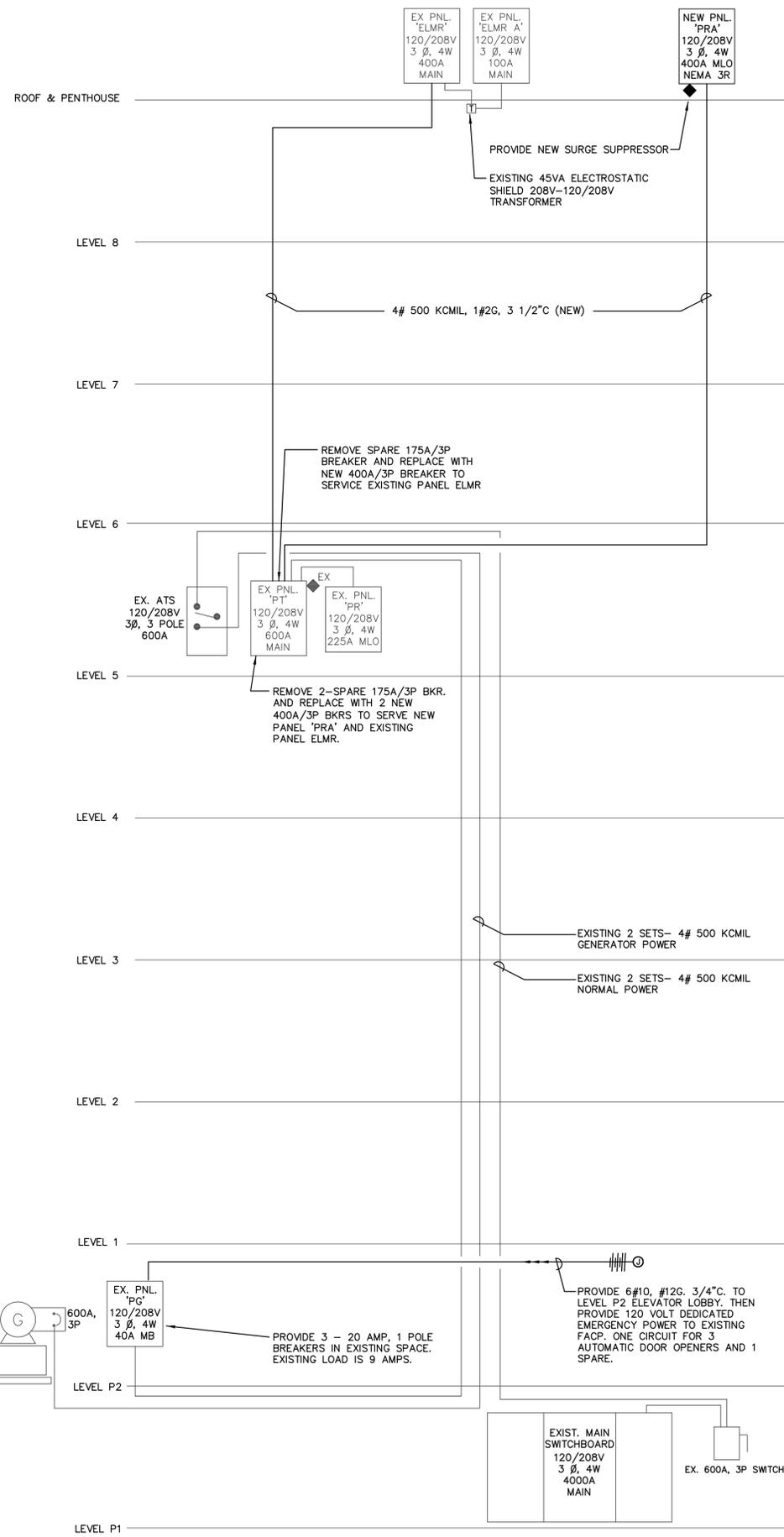


**GENERAL NOTES**

- CONTROL WIRING FROM NEW STAIR PRESSURIZATION FAN STARTERS TO NEW SMOKE CONTROL PANEL ON THE P1 LEVEL IS NOT SHOWN BUT SHALL BE RUN IN SEPARATE CONDUIT FROM OTHER WIRING.
- NEW OUTSIDE AIR FAN(S) OAF-9 SHALL SHUTDOWN UPON ACTIVATION OF THE FIRE ALARM SYSTEM.
- PROVIDE CONTROL WIRING BETWEEN ATS AND ELEVATOR CONTROLLERS. ELEVATOR FUNCTION SHALL MEET THE REQUIREMENTS OF FBC 3003.1.3(F). PROVIDE THE NEW SOFTWARE REQUIRED.
- MODIFICATIONS TO THE ELEVATOR SEQUENCE OF OPERATION, THE ELEVATORS WILL BE PUT ON GENERATOR POWER UNDER THIS PROJECT. THE ELEVATOR SEQUENCE OF OPERATIONS SHALL BE MODIFIED TO INCLUDE THE FOLLOWING TO MEET THE FLORIDA BUILDING CODE SECTION 3003.1.3(F) REQUIREMENT: "WHERE THE STANDBY POWER IS NOT OF SUFFICIENT CAPACITY TO OPERATE ALL ELEVATORS AT THE SAME TIME, ALL ELEVATORS SHALL TRANSFER TO STANDBY POWER IN SEQUENCE, RETURN TO THE DESIGNATED LANDING AND DISCONNECT FROM THE STANDBY POWER SOURCE. AFTER ALL ELEVATORS HAVE RETURNED TO THE DESIGNATED LEVEL, AT LEAST ONE ELEVATOR SHALL REMAIN OPERABLE FROM THE STANDBY POWER SOURCE." THIS WILL REQUIRE ADDITIONAL WIRING BETWEEN THE CONTROL ROOM, THE CONTROLLERS, THE TRANSFORMER SWITCHES, AND THE SOFTWARE FOR A RE-CONFIGURATION OF THE EXISTING ALARM PANEL.

**KEY NOTES**

- EXISTING FIRE ALARM CONTROL/ VOICE PANEL. (SIMPLEX 4100U)
- PROVIDE NEW DETECTOR WITHIN 10 FEET OF EACH STAIRWELL DOOR. CONNECT TO NEAREST EXISTING ADDRESSABLE INITIATION DEVICE. (TYPICAL AS SHOWN). NOTE THAT THE EXISTING PULL STATIONS ARE ADDRESSABLE.
- 3/4" CONDUIT WITH WIRING AS REQUIRED FOR REMOTE HOA, STATUS, ETC. AS REQUIRED PER FBC 909.16.2 AND UL864.
- PROVIDE NEW FIREMAN'S PHONE JACK ON EACH FLOOR IN STAIRWELLS AND ON EACH FLOOR IN ELEVATOR LOBBY.
- A SIGN INDICATING FLOOR NUMBER SHALL BE PROVIDED ADJACENT TO EACH FIREMAN'S PHONE JACK.



Leon County  
Courtthouse Annex  
(Bank of America) Stair  
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12062

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Construction Documents

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**RISER DIAGRAMS - ELECTRICAL**

Tallahassee, Florida

**E301**

225 South Adams St, Tallahassee, FL 32301  
Phone 850 224-8301 Fax 850 561-6978

**1 PARTIAL FIRE ALARM RISER**  
E601 NTS

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**1 PARTIAL SINGLE LINE POWER RISER**  
E601 NTS

400A, 120/208V, 3Ø, 4W MLO IER=18,000 AIC RMS SYM												EXISTING PANEL 'ELMR' CIRCUIT SCHEDULE												SURFACE	
CIRCUIT	SERVING	CONN. LOAD	COND. SIZE	WIRE SIZE	CKT. BREAKER BKR CLASS POLE	PHASE ABC	CKT. BREAKER POLE CLASS BKR	WIRE SIZE	COND. SIZE	CONN. LOAD	SERVING	CIRCUIT	CIRCUIT	SERVING	CIRCUIT	CIRCUIT									
1	SPARE	1	1	1	20	1	1	20	1	1	SPARE	2	2	SPARE	2										
3	SPARE	1	1	1	20	1	1	20	1	1	SPARE	4	4	SPARE	4										
5	FRESH AIR FAN				20	3	1	20			EXISTING LOAD	6	6	EXISTING LOAD	6										
7					20	3	1	20			EXISTING LOAD	8	8	EXISTING LOAD	8										
9					20	3	1	20			EXISTING LOAD	10	10	EXISTING LOAD	10										
11	SPARE				20	3	1	30			SPARE	12	12	SPARE	12										
13												14	14		14										
15												16	16		16										
17	ELEVATOR #3				20	3	1	100			PANEL ELMR A	18	18	PANEL ELMR A	18										
19												20	20		20										
21												22	22		22										
23	ELEVATOR #1				20	3	1	30			ELEVATOR #2	24	24	ELEVATOR #2	24										
25												26	26		26										
27												28	28		28										
29	SPARE				20	1	1	30			SPARE	30	30	SPARE	30										
31												32	32		32										
33												34	34		34										
35												36	36		36										
37												38	38		38										
39												40	40		40										
41												42	42		42										

NOTE: REMOVE 3-125/3, 1-100/3, AND 1-30/1 BREAKERS.

400A, 120/208V, 3Ø, 4W MLO IER=22,000 AIC RMS SYM												MODIFIED PANEL 'ELMR' CIRCUIT SCHEDULE												SURFACE NEMA 3R	
CIRCUIT	SERVING	CONN. LOAD	COND. SIZE	WIRE SIZE	CKT. BREAKER BKR CLASS POLE	PHASE ABC	CKT. BREAKER POLE CLASS BKR	WIRE SIZE	COND. SIZE	CONN. LOAD	SERVING	CIRCUIT	CIRCUIT	SERVING	CIRCUIT	CIRCUIT									
1	SPARE				20	1	1	20			SPARE	2	2	SPARE	2										
3	SPARE				20	1	1	20			SPARE	4	4	SPARE	4										
5	FRESH AIR				20	3	1	20			EXISTING LOAD	6	6	EXISTING LOAD	6										
7					20	3	1	20			EXISTING LOAD	8	8	EXISTING LOAD	8										
9					20	3	1	20			EXISTING LOAD	10	10	EXISTING LOAD	10										
11	ELEVATOR #3	92			125	S	3	30			SPARE	12	12	SPARE	12										
13		92			H	U						14	14		14										
15		92			N	T						16	16		16										
17	SHUNT ELEVATOR #1	92			125	S	3	100			PANEL ELMR A	18	18	PANEL ELMR A	18										
19		92			H	U						20	20		20										
21		92			N	T						22	22		22										
23		92			125	S	3	125			ELEVATOR #2	24	24	ELEVATOR #2	24										
25	SHUNT				H	U						26	26		26										
27	SPACE				N	T						28	28		28										
29	SPARE				20	1	1	30			SHUNT	30	30	SHUNT	30										
31												32	32		32										
33												34	34		34										
35												36	36		36										
37												38	38		38										
39												40	40		40										
41												42	42		42										

PROVIDE NEW 3-125/3 SHUNT TRIP BREAKERS.

CONNECTED LOAD - 306 AMPS

600A, 120/208V, 3Ø, 4W MBKR IER=22,000 AIC RMS SYM												EXISTING PANEL 'PT' CIRCUIT SCHEDULE												SURFACE	
CIRCUIT	SERVING	CONN. LOAD	COND. SIZE	WIRE SIZE	CKT. BREAKER BKR CLASS POLE	PHASE ABC	CKT. BREAKER POLE CLASS BKR	WIRE SIZE	COND. SIZE	CONN. LOAD	SERVING	CIRCUIT	CIRCUIT	SERVING	CIRCUIT	CIRCUIT									
1	SPARE	1	1	1	20	1	1	20	1	1	SPARE	2	2	SPARE	2										
3	FIRE ALARM PANEL				20							4	4		4										
5	SECURITY PANEL				20							6	6		6										
7	FIRE DAMPERS				15							8	8		8										
9	FIRE DAMPERS				20							10	10		10										
11	EXH. FAN E-2				15	3	1					12	12		12										
13								3	60		4	14	14	PANEL PG	14										
15								4			4	16	16		16										
17	VAV				20						4	18	18		18										
19	FTU-1				30	2	1	3	100			20	20	PANEL PE	20										
21												22	22		22										
23	FTU-2				60	2	1	60				24	24		24										
25								1	20			26	26	DAMPER MOTOR	26										
27	SPARE				20	1	1	2	15			28	28	EXH. FAN E-1	28										
29	SHUNT TRIP				20	1	1					30	30		30										
31	SPD				40	3	1	3	200			32	32	PANEL PR	32										
33												34	34		34										
35												36	36		36										
37	SPARE				175	3	1	3	175			38	38	SPARE	38										
39												40	40		40										
41												42	42		42										
43	SPARE				25	3	1	3	175			44	44	SPARE	44										
45												46	46		46										
47												48	48		48										

CONNECTED LOAD - 617 AMPS  
DEMAND LOAD - 370 AMPS

LOAD SUMMARY: PANEL PT  
TOTAL CONNECTED LOAD 617A  
DEMAND LOAD, NORMAL USE 370A  
(SF-1, SF-2, SF-3, SF-4 AND SF-5 NOT RUNNING)  
DEMAND LOAD, UNDER SMOKE CONTROL OPERATION (ONLY 1 ELEVATOR RUNNING IN FIREMAN'S MODE AND OAF-9 SHUTDOWN) 369A

600A, 120/208V, 3Ø, 4W MBKR IER=22,000 AIC RMS SYM												MODIFIED PANEL 'PT' CIRCUIT SCHEDULE												SURFACE	
CIRCUIT	SERVING	CONN. LOAD	COND. SIZE	WIRE SIZE	CKT. BREAKER BKR CLASS POLE	PHASE ABC	CKT. BREAKER POLE CLASS BKR	WIRE SIZE	COND. SIZE	CONN. LOAD	SERVING	CIRCUIT	CIRCUIT	SERVING	CIRCUIT	CIRCUIT									
1	SPARE				20	1	1	20			SPACE	2	2	SPACE	2										
3	SPARE				20							4	4		4										
5					20							6	6		6										
7					15							8	8		8										
9					20							10	10		10										
11					15	3	1					12	12		12										
13								3	60		4	14	14	PANEL PG	14										
15								4			4	16	16		16										
17											4	18	18		18										
19					30	2	1	3	100			20	20	SPARE	20										
21												22	22		22										
23					60	2	1	60				24	24		24										
25								1	20			26	26	SPARE	26										
27	SPARE				20	1	1	2	15			28	28	SPARE	28										
29	SPARE				20	1	1					30	30		30										
31	SPD				40	3	1	3	200			32	32	SPARE	32										
33												34	34		34										
35												36	36		36										
37	SPARE				175	3	1	3	400	500	311	38	38	PANEL ELMR	38										
39												40	40		40										
41												42	42		42										
43	SPARE				25	3	1	3	400	500	311	44	44	PANEL PRA	44										
45												46	46		46										
47												48	48		48										

CONNECTED LOAD - 311 AMPS  
DEMAND LOAD - 247 AMPS

400A, 120/208V, 3Ø, 4W MLO IER=22,000 AIC RMS SYM												NEW PANEL 'PRA' CIRCUIT SCHEDULE												SURFACE NEMA 3R	
CIRCUIT	SERVING	CONN. LOAD	COND. SIZE	WIRE SIZE	CKT. BREAKER BKR CLASS POLE	PHASE ABC	CKT. BREAKER POLE CLASS BKR	WIRE SIZE	COND. SIZE	CONN. LOAD	SERVING	CIRCUIT	CIRCUIT	SERVING	CIRCUIT	CIRCUIT									
1	OAF-9 (2@ 10 HP)	64	1"	4	100	3	1	3	100	3	1"	78	2	SF-1 (25 HP)	2										
3		64										78	4		4										
5		64										78	6		6										
7	SURGE SUPPRESSOR		3/4"	10	30	3	1	3	100	3	1"	78	8	SF-2 (25 HP)	8										
9												78	10		10										
11												78	12		12										
13	SF-3 (15 HP)	48	1"	4	90	3	1	1	20	12	3/4"	6	14	RECEPT.	14										
15		48							15	12	3/4"	5	16	SF-5 (1/6 HP)	16										
17		48							20				18	SPARE	18										
19	SF-4 (10 HP)	32	3/4"	8	60	3	1	3	20			20	20		20										
21		32							20			22	22		22										
23		32							20			24	24		24										
25	SPACE											26	26	SPACE	26										
27												28	28		28										
29												30	30		30										
31												32	32		32										
33												34	34		34										
35												36	36		36										
37												38	38		38										
39												40	40		40										
41												42	42		42										

CONNECTED LOAD - 311 AMPS  
DEMAND LOAD - 247 AMPS

PANEL SCHEDULES - ELECTRICAL

NO SCALE

