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Please Email ALL Questions:

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Please Let Us Know If You Plan To Bid

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 GRINER ENGINEERING, INC.
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STRUCTURAL CONSULTANT

CIVIL CONSULTANT

LANDSCAPE CONSULTANT

TAMPA CONVENTION CENTER
 ESCALATOR 1 THRU 8 REPL.
 TAMPA, FL

DPW FILE NUMBER

DPW NUMBER
 xxxxxx

ISSUE DATE
 MONTH 2015

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REVISIONS

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SEAL

SCALE: VARIES

SCHEDULES AND NOTES

SHEET NUMBER

E0.1

1 OF 5

G	GRINER ENGINEERING, INC. 1628 First Avenue North St. Petersburg, Florida 33713 Phone: (727)-822-2338 Fax: (727)-824-8361 Certificate of Authorization #3173	Date	3/27/2015
	Drawn	JAR	
	Designed	JAR	
	EOR	JHG	
	Job no.	14149	

ELECTRICAL GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 - NATIONAL ELECTRIC CODE 2008, NFPA 70 AND ALL LOCAL ORDINANCES LATEST EDITIONS.
- BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF WORK AND THE EXTENT OF DEMOLITION. THE SUBMISSION OF A BID WILL BE EVIDENCED THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ALLOWED.
- ELECTRICAL CONTRACTOR SHALL BE EXPERIENCED IN PERFORMING AND INSTALLATION OF WORK SIMILAR TO THAT REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL SUBMIT A LIST OF AT LEAST FIVE PROJECTS THAT THEY BEEN CONTRACTED AND COMPLETED CONSTRUCTION WITH SIMILAR PROJECT SCOPE OF WORK.
- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL HAVE STUDIED AND COMPARED THE CONTRACT DOCUMENTS WITH EXISTING/PROPOSED CONDITIONS AND NOT LATER THAN TEN (10) DAYS PRIOR TO THE BID OPENING SHALL REPORT TO THE ENGINEER ANY ERROR, INCONSISTENCY, OR OMISSION IN THE CONTRACT DOCUMENTS.
- ELECTRICAL EQUIPMENT SHALL BE AS SPECIFIED. ARCHITECT AND ENGINEER WILL REVIEW ANY SUBSTITUTION FOR COMPATIBILITY.
- ALL CUTTING, PATCHING AND REPAIR WORK SHALL BE THE RESPONSIBILITY OF THE TRADE INVOLVED.
- PROTECT ELECTRICAL EQUIPMENT AND INSTALLATIONS AS NECESSARY. IF DAMAGED OR DISTURBED IN THE COURSE OF THE WORK, REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL CAPACITY, QUALITY, AND FUNCTIONALITY.
- THE CONTRACTOR SHALL INCLUDE WITHIN THE BID ALL REQUIRED OFF HOUR, OVERTIME, AND NON-BUSINESS HOUR WORK AS REQUIRED.
- ALL WORK SHALL BE COORDINATE WITH OTHER TRADES FOR ITEMS IN THEIR SCOPE OF WORK WHICH WOULD REQUIRE ELECTRICAL WORK (DISCONNECTION/RECONNECTION ETC.) AND ARE NOT INDICATED ON THE ELECTRICAL PLANS. ALL SUBCONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH OTHER TRADES. LACK OF THIS COORDINATION RESULTING IN ADDED COST TO THE CONTRACT WILL BE BORNE BY THE SUBCONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR ELECTRICAL EQUIPMENT SHOWN ON THE PLANS AND SPECIFICATIONS FOR THE ENGINEER'S APPROVAL. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO REDO ANY WORK, WHICH WAS NOT APPROVED, OR THE ENGINEER MAY REQUIRE A CREDIT TO THE OWNER. PROVIDE A SET OF AS BUILTS AFTER THE JOB IS COMPLETED. THIS SET SHALL BE CONTINUOUSLY UPDATED DURING CONSTRUCTION.
- PROVIDE IDENTIFICATION FOR ALL LIGHT FIXTURES AND ALL ELECTRICAL COVER PLATES WITH PERMANENT MARKER ON A SELF-ADHERING TAG INDICATING PANEL AND CIRCUIT NUMBER. TYPICAL FOR ALL LIGHTING AND POWER DEVICES.
- ALL WORK SHALL BE PERFORMED DURING TIME PERIODS ACCEPTABLE TO THE OWNER. SCHEDULE ALL WORK WITH THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING.
- THE CONTRACTOR SHALL PERFORM ALL TEMPORARY WORK NECESSARY TO MAINTAIN CONTINUITY OF ELECTRICAL SERVICE (LIKE SAWPOLE SERVICE) WHEN CONNECTION IS MADE. THIS SERVICE SHALL NOT BE INTERRUPTED WITHOUT PRIOR CONSENT OF THE OWNER'S REPRESENTATIVE AND MAY BE INTERRUPTED ONLY AT AND FOR THE SPECIFIED TIME DESIGNATED BY OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL BE GUIDED BY THE OWNER'S REPRESENTATIVE AT ALL TIMES IN MATTERS AFFECTING THE FACILITIES.
- THE CONTRACTOR SHALL COORDINATE ALL PHASING OF ELECTRICAL WORK AS REQUIRED AND INDICATED ON THE ELECTRICAL DRAWINGS.
- THE OWNER PROJECT REPRESENTATIVE SHALL BE NOTIFIED PRIOR TO CUTTING OF ANY STRUCTURAL ITEM (I.E. CONCRETE FLOOR, MASONRY, WALL, ETC.) WITHIN THE EXISTING BUILDING. METHOD OF CUTTING SHALL BE APPROVED BY THE OWNER PROJECT REPRESENTATIVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE BUILDING WATERTIGHT DURING CONSTRUCTION.
- ALL WIRING IN CEILING SPACE OR IN AIR HANDLING PLENUMS NOT IN CONDUIT SHALL BE UL LISTED AS SUITABLE FOR PLENUM USE.
- ALL JUNCTION BOXES AND COVER PLATES SHALL BE PAINTED AND LABELED.
- ALL RECEPTACLES WITHIN (6) FEET OF PLUMBING FIXTURES SHALL BE PROVIDED WITH 5 MILLIAMP GROUND FAULT INTERRUPTERS.
- EXIT SIGNS AND ALL EMERGENCY LIGHTING SHALL BE WIRED AHEAD OF ANY SWITCHING OR CONTACTORS. DO NOT SWITCH EXIT SIGNS OR EMERGENCY NIGHT LIGHTS. CONTRACTOR SHALL PROVIDE AN UNSWITCHED HOT TO BYPASS ANY SWITCHING AND/OR CONTRACTORS FOR ALL SWITCHED EMERGENCY LIGHTING.
- EDGE OF LIGHT SWITCH WALL PLATE SHALL BE NOT MORE THAN 4" AWAY FROM METAL/WOOD DOOR FRAME. TYPICAL FOR SINGLE OR MULTIPLE WALL SWITCHES.
- CONFIRM MOUNTING HEIGHTS AND COORDINATE LOCATION OF ALL OUTLETS, SWITCHES, AND OTHER DEVICES WITH ARCHITECTURAL ELEVATIONS (FURNITURE LAYOUT) PRIOR TO ROUGH-IN.
- PROVIDE SEAL FOR PENETRATION OF FIRE RATED WALLS BY CONDUIT.
- BACK TO BACK RECEPTACLES IN ALL ONE HOUR FIRE RATED WALLS SHALL BE LOCATED A MINIMUM OF 24" ON CENTER.
- BRANCH CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN NO. 12 AND WHERE BRANCH CIRCUIT CONDUCTOR RUNS FROM SOURCE (PANEL) TO THE LAST DEVICE ON THE CIRCUIT EXCEEDS 75 FT. IN LENGTH, THE CONDUCTORS SHALL BE NO. 10 MINIMUM AND FOR THE ENTIRE LENGTH OF THE CIRCUIT, FOR RUNS OVER 150 FT. IN LENGTH THE CONDUCTOR SHALL BE NO. 8 MINIMUM AND FOR THE ENTIRE LENGTH OF THE CIRCUIT, THE ABOVE APPLIES TO 120 VOLT CIRCUITS ONLY.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REMOVAL AND DISPOSAL OF ALL ELECTRICAL MATERIAL WHICH IS NOT TO BE USED ON THE PROJECT. CONTRACTOR SHALL REMOVE AND STORE ANY ELECTRICAL MATERIAL IF SO DIRECTED BY OWNER. PATCH AND PAINT WALLS AND CEILINGS AS REQUIRED. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW LIGHTING FIXTURES, RECEPTACLES, PANEL BOARDS, ETC. WITH EXISTING STRUCTURE, PIPING, ETC. AND MAKE ADJUSTMENTS AS REQUIRED.
- REFER TO ELECTRICAL SPECIFICATIONS ON SHEET Exxxx FOR REQUIREMENTS.
- UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL INSURE THAT ALL SYSTEMS OPERATE AS DESIGNED AND REQUIRED AND SHALL REVIEW THEIR OPERATION WITH THE OWNER AND PROVIDE TRAINING OF THE MAINTENANCE PERSONNEL. COMPLETE SET OF AS-BUILT DRAWINGS SHALL BE COMPILED (BY THE CONTRACTOR) AND ISSUED (1 EACH) TO THE ARCHITECT AND BUILDING MAINTENANCE PERSONNEL UPON COMPLETION OF CONSTRUCTION AND TESTING.

FIRE ALARM SYMBOL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
	FAN OR AIR HANDLER SHUTDOWN RELAY	MOUNTED ADJACENT TO EQUIPMENT
	FIRE ALARM VISUAL SIGNAL 75cd UON	80" AFF OR AS NOTED
	FIRE ALARM MANUAL PULLSTATION	48" AFF OR AS NOTED
	FIRE ALARM AUDIBLE/VISUAL SIGNAL 75cd UON. ADA COMPATIBLE.	80" AFF OR AS NOTED
	FIRE ALARM AUDIBLE/VISUAL SIGNAL 75cd UON. ADA COMPATIBLE.	CEILING MOUNTED AS NOTED
	FIRE ALARM SMOKE DETECTOR	ON CEILING OR AS NOTED
	FIRE ALARM HEAT DETECTOR	ON CEILING OR AS NOTED
	CARBON MONOXIDE DETECTOR/ALARM	AS NOTED
	120 VOLT SINGLE STATION SMOKE DETECTOR	WALL OR AS NOTED
	FIRE ALARM SMOKE DETECTOR	CEILING OR AS NOTED
	FIRE ALARM TAMPER AND FLOW SWITCH	AS NOTED
	FIRE ALARM MINIHORN	WALL OR AS NOTED
	FIRE ALARM COMBINED HEAT AND CO SYSTEM DETECTOR	ON CEILING OR AS NOTED
	FIRE ALARM COMBINED SMOKE AND CO SYSTEM DETECTOR 'SB' DENOTES SOUND BASE	ON CEILING OR AS NOTED
	ETHANOL SENSOR	LOW ON WALL OR AS NOTED
	FIRE ALARM PANEL ('FACP' DENOTES FIRE ALARM CONTROL PANEL)	60" AFF OR AS NOTED
	REFER TO LIKE NUMBERED NOTES (CONTROL PANEL, 'FAA' DENOTES ANNUNCIATOR)	AS NOTED

ABBREVIATIONS:

AFF - ABOVE FINISHED FLOOR	HVAC - HEATING VENTILATING AIR CONDITIONING
AHU - AIR HANDLING UNIT	JB - JUNCTION BOX
BFG - BELOW FINISHED GRADE	LRA - LOCKED ROTOR AMPERES
C - CONDUIT	MCB - MAIN CIRCUIT BREAKER
CW - COOL WHITE	MLO - MAIN LUGS ONLY
DACP - DOOR ALARM CONTROL PANEL	N - NEUTRAL
DN - FEED DOWNWARD	NL - NIGHT LIGHT
EF - EXHAUST FAN	OB - OUTLET BOX
EG - EQUIPMENT GROUND	PB - PULL BOX, PUSH-BUTTON
ENCL - ENCLOSURE	PS - PAY STATION
EW - ELECTRIC WATER COOLER	SF - SUPPLY FAN
EWL - ELECTRIC WATER HEATER	SPEC - SPECIFICATIONS
WX - EXPLOSION PROOF	TL - TWISTLOCK
FCU - FAN COIL UNIT	TTB - TELEPHONE TERMINAL BOARD
FHP - FRACTIONAL HORSEPOWER	TVTB - TELEVISION TERMINAL BOARD
FLA - FULL LOAD AMPERES	UNO - UNLESS NOTED OTHERWISE
G - GROUND	UP - FEED UPWARD
GFI - GROUND FAULT INTERRUPTER	VERT - VERTICAL
HID - HIGH INTENSITY DISCHARGE	WM - WATT MISER
HORIZ - HORIZONTAL	WP - WEATHERPROOF
IG - ISOLATED GROUND	WW - WARM WHITE
LW - LIGHT WHITE	XFMR - TRANSFORMER
HP - HORSEPOWER, HEAT PUMP	

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
	2 X 2 EXTERIOR FLUORESCENT FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
	2 X 4 FLUORESCENT FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
	SHADING DENOTES FIXTURE WITH EM BATTERY PACK. 'NL' DENOTES FIXTURE UNSWITCHED FOR NIGHT LIGHT	SEE FIXTURE SCHEDULE
	FLUORESCENT STRIP FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
	FLUORESCENT WALL BRACKET FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
	FLUORESCENT DOWNLIGHT LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
	EXTERIOR DOWNLIGHT FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
	EXTERIOR WALL MOUNTED FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
	INTERIOR PENDANT FIXTURE LETTER INDICATES TYPE	SEE FIXTURE SCHEDULE
	CHANDELIER	SEE FIXTURE SCHEDULE
	EXTERIOR BOLLARD	SEE FIXTURE SCHEDULE
	WALL LOW MOUNTED FIXTURE	SEE FIXTURE SCHEDULE
	CEILING FAN	SEE FIXTURE SCHEDULE
	EXIT-SHADING DENOTES FACEPLATE LOCATION. LETTER INDICATES TYPE. PROVIDE ARROWS AS REQUIRED.	SEE FIXTURE SCHEDULE
	DENOTES EMERGENCY WALL PACK. LETTER INDICATES TYPE.	SEE FIXTURE SCHEDULE
	SINGLE POLE SWITCH (20A-120/277) '3' DENOTES 3-WAY 'D' DENOTES DIMMER	48" AFF OR AS NOTED
	'T' DENOTES TOGGLE SWITCH	ABOVE CEILING
	OCCUPANCY SENSOR	48" AFF OR AS NOTED
	LOW VOLTAGE LIGHTING SWITCH	48" AFF OR AS NOTED
	DUPLX RECEPTACLE, 125V, 20A 'IG' DENOTES ISOLATED GROUND	18" AFF OR AS NOTED
	DUPLX RECEPTACLE, 125V, 20A	18" AFF OR AS NOTED
	DUPLX RECEPTACLE, 125V, 20A	48" AFF OR AS NOTED
	QUAD RECEPTACLE, 125V, 20A	18" AFF OR AS NOTED
	SINGLE RECEPTACLE, 208V OR 240V	18" AFF OR AS NOTED
	JUNCTION BOX	SEE DETAIL OR AS NOTED
	POWER/TELEPHONE POLE	SEE DETAIL OR AS NOTED
	OUTLET BOX OR J-BOX FOR POWER AND DATA SUPPLY TO FURNITURE SYSTEMS	18" AFF OR AS NOTED
	FLOOR BOX WITH 20A DUPLX RECP. AND DATA OUTLET.	SEE DETAIL OR AS NOTED
	COMBINATION VOICE/DATA OUTLET	18" AFF OR AS NOTED
	DATA OUTLET	18" AFF OR AS NOTED
	VOICE OUTLET	18" AFF OR AS NOTED
	FAX OUTLET	18" AFF OR AS NOTED
	CARD READER	COORDINATE WITH SECURITY INSTALLER
	SURVEILLANCE CAMERA	COORDINATE WITH SECURITY INSTALLER
	T.V. OUTLET	18" AFF OR AS NOTED
	PANELBOARD 120/208V	SEE PANEL SCHEDULE
	RACEWAY CONCEALED IN WALL OR ABOVE CEILING	SEE SPECIFICATIONS
	UNDERGROUND OR UNDER FLOOR CONDUIT	SEE SPECIFICATIONS
	HOMERUN TO PANEL. LETTERS INDICATE PANEL, NUMBERS INDICATE CIRCUIT. NOTE: HASH MARKS INDICATES THE NUMBER OF WIRES EXCLUDING THE REQUIRED EQUIPMENT GROUND.	SEE SPECIFICATIONS
	MOTOR, NUMERAL INDICATES HORSEPOWER	AS NOTED
	MOTOR RATED SWITCH WITH OVERLOAD RELAYS AS REQUIRED.	MOUNTED ADJACENT TO EQUIPMENT
	NON-FUSIBLE SAFETY SWITCH-SIZE AS NOTED	SEE SPECIFICATIONS
	FUSIBLE SAFETY SWITCH-SIZE AS NOTED	SEE SPECIFICATIONS

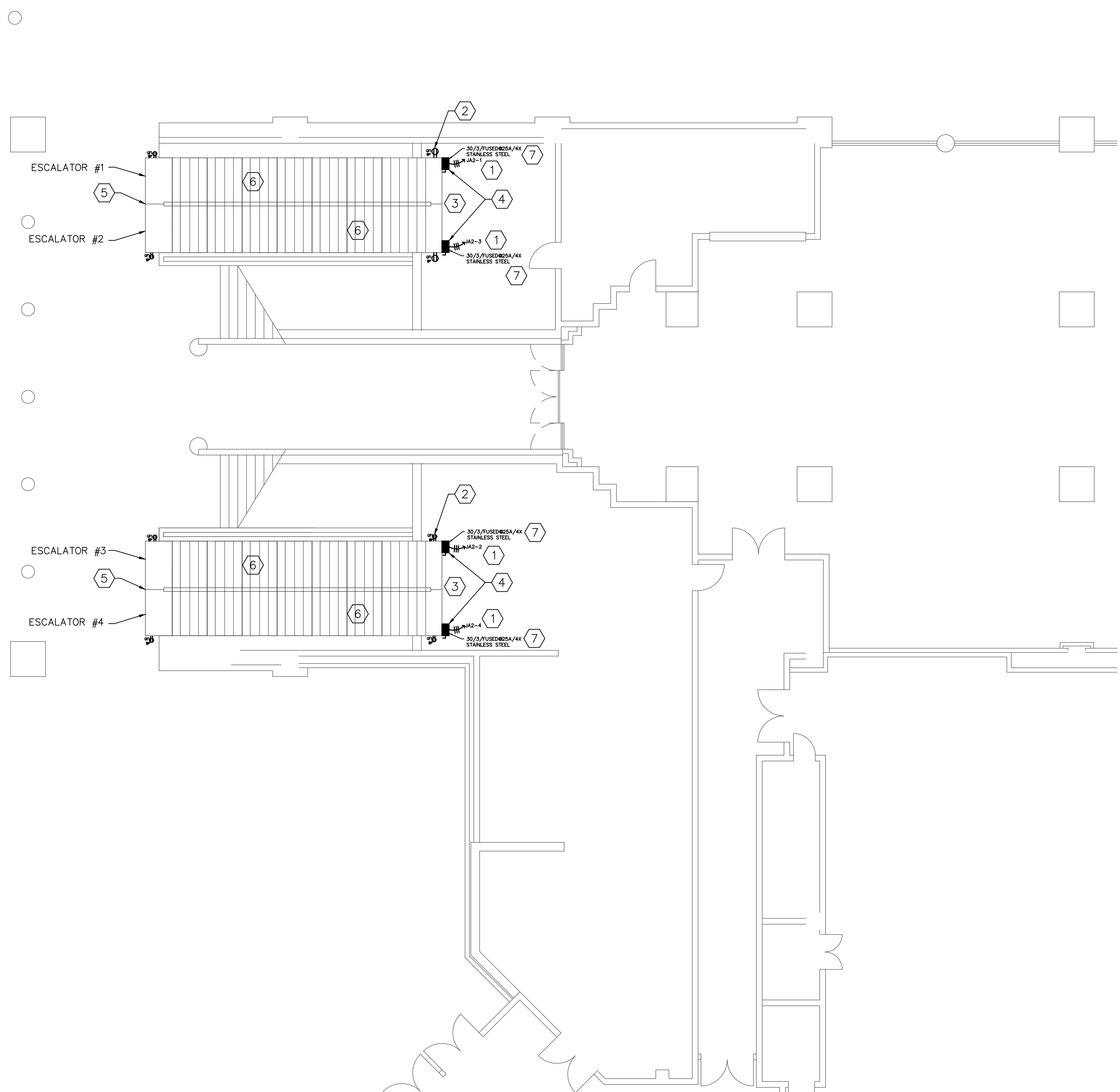
NATIONAL ELECTRIC CODE NOTES:
 ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF NFPA 70 - 2008 NATIONAL ELECTRIC CODE

ELECTRICAL SUBMITTAL NOTES:
 SUBMIT ALL ELECTRICAL SYSTEMS SUBMITTALS AT ONE (1) TIME IN ONE (1) INTEGRAL GROUP. PIECE-BY-PIECE SUBMISSION OF INDIVIDUAL ITEMS WILL NOT BE ACCEPTABLE. ENGINEER MAY CHECK CONTENTS OF EACH SUBMITTAL SET UPON INITIAL DELIVERY; IF NOT COMPLETE AS SET FORTH HEREIN, SUBMITTAL SETS MAY BE RETURNED TO CONTRACTOR WITHOUT REVIEW AND APPROVAL AND WILL NOT BE ACCEPTED UNTIL MADE COMPLETE. SHOP DRAWINGS WILL BE REVIEWED MAXIMUM TWICE AS PART OF THIS CONTRACT. ADDITIONAL SHOP DRAWING REVIEWS SHALL BE INVOICED AT \$85.00 PER HOUR, BILLABLE TO THE SUB-CONTRACTOR.

NOTE:
 1. ALL MOUNTING HEIGHTS SHOWN ARE TO THE TOP OF THE DEVICE UNLESS NOTED OTHERWISE.
 2. NOT ALL SYMBOLS APPEAR ON PLANS.

DRAWING INDEX

SHEET NUMBER	SHEET	DRAWING TITLE
1	E0.1	SCHEDULES AND NOTES
2	E1.1	ELEVATOR #1 THRU #4 ELECTRICAL POWER PLAN
3	E1.2	ELEVATOR #5 THRU #8 ELECTRICAL POWER PLAN
4	E1.3	INSTALLATION SCHEDULE AND NOTES
5	E2.1	ELECTRICAL DETAILS



ESCALATOR ELECTRICAL PLAN(#1 THRU #4)
SCALE: 1/8" = 1'-0"

ELECTRICAL KEY NOTES:

- UTILIZE EXISTING BRANCH CIRCUIT/S FROM DEMOLISHED ELECTRICAL EQUIPMENT SERVING BY THE EXISTING ELECTRICAL HOUSE PANEL/S LOCATED IN EXISTING MAIN ELECTRICAL ROOM. AS NEEDED UTILIZE EXISTING SPARE BREAKER OR PROVIDE CIRCUIT BREAKERS ON THE EXISTING PANEL. NEW CIRCUIT BREAKER/S TO MATCH EXISTING PANEL MANUFACTURER, TYPE AND AIC RATING. REUSE EXISTING CIRCUITS AND LABEL DISCONNECT WITH PANEL CIRCUIT LOCATION.
- VERIFY EXISTING WATERPROOF GFCI RECEPTACLE 120V, 20 AMPS IN NEMA 4X ENCLOSURE BY LEVITON OR APPROVED EQUAL. COORDINATE FINAL LOCATION AND QUANTITY WITH ELEVATOR CONTRACTOR IF NEEDED TO BE FURNISHED AND INSTALLED. REUSE EXISTING CIRCUITS AND LABEL RECEPTACLE FACEPLATE WITH PANEL CIRCUIT LOCATION.
- EXISTING LIGHTING LEVEL AT THE ESCALATOR LOCATION TO BE VERIFIED BY THE CONTRACTOR TO BE THE MINIMUM REQUIRED FC AT THE FLOOR LEVEL. PROVIDE ADDITIONAL LIGHTING FIXTURES IF NEEDED.
- PROVIDE DISCONNECT AND FINAL CONNECTION TO ESCALATOR CONTROLLER. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH ESCALATOR CONTRACTOR AND SHOP DRAWINGS AND OTHER TRADES PRIOR TO ROUGH-IN.
- SUMP PUMP ASSUMED TO BE EXISTING, TO REMAIN. CONTRACTOR SHALL EXERCISE CAUTION WHILE WORKING IN THIS AREA TO PREVENT DAMAGE TO THE EXISTING EQUIPMENT.
- ESCALATOR, ESCALATOR CONTROLLER, MISCELLANEOUS PROJECT SUPPORTING PARTS, DEMOLITION, ALL LABOR AND WARRANTY PROVIDED BY OTHERS.
- PROVIDE FUSED DISCONNECT WITH 25 AMP RK1 TIME DELAY TYPE FUSES (PER MANUFACTURER RECOMMENDATION)

ELECTRICAL GENERAL NOTES:

- COORDINATE ALL RENOVATION ELECTRICAL POWER AND LOW VOLTAGE WORK WITH ARCHITECT, OWNER, AND GENERAL CONTRACTOR PRIOR TO BID AND ROUGH-IN.
- COORDINATE EXACT OUTLETS AND EQUIPMENT LOCATIONS WITH ARCHITECT, OWNER, AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- ELECTRICAL CONTRACTOR SHALL TRACK EXISTING CIRCUITS AND UPDATE THE PANEL SCHEDULE ACCORDINGLY.
- ALL POWER/LOW VOLTAGE OUTLETS SHALL BE LABELED WITH PANEL AND CIRCUIT NUMBER.
- COORDINATE ALL COVER PLATES FINISHES WITH ARCHITECT AND OWNER.
- EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, NOT LIMITED TO LIGHTS AND RECEPTACLES.
- WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE AND READY FOR USE."
- BRANCH CIRCUIT SHALL BE MINIMUM 2 #12 AND #12 E.G IN 3/4" C UNLESS OTHERWISE NOTED.
- EXISTING HVAC ROOF DX UNIT AND ASSOCIATED ELECTRICAL DEVICES AND EQUIPMENT TO BE DEMOLISHED. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- EX - DENOTES EXISTING TO REMAIN
- NFPA 70 ART. 408.4 "EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT AND SPECIFIC PURPOSE OR USE."

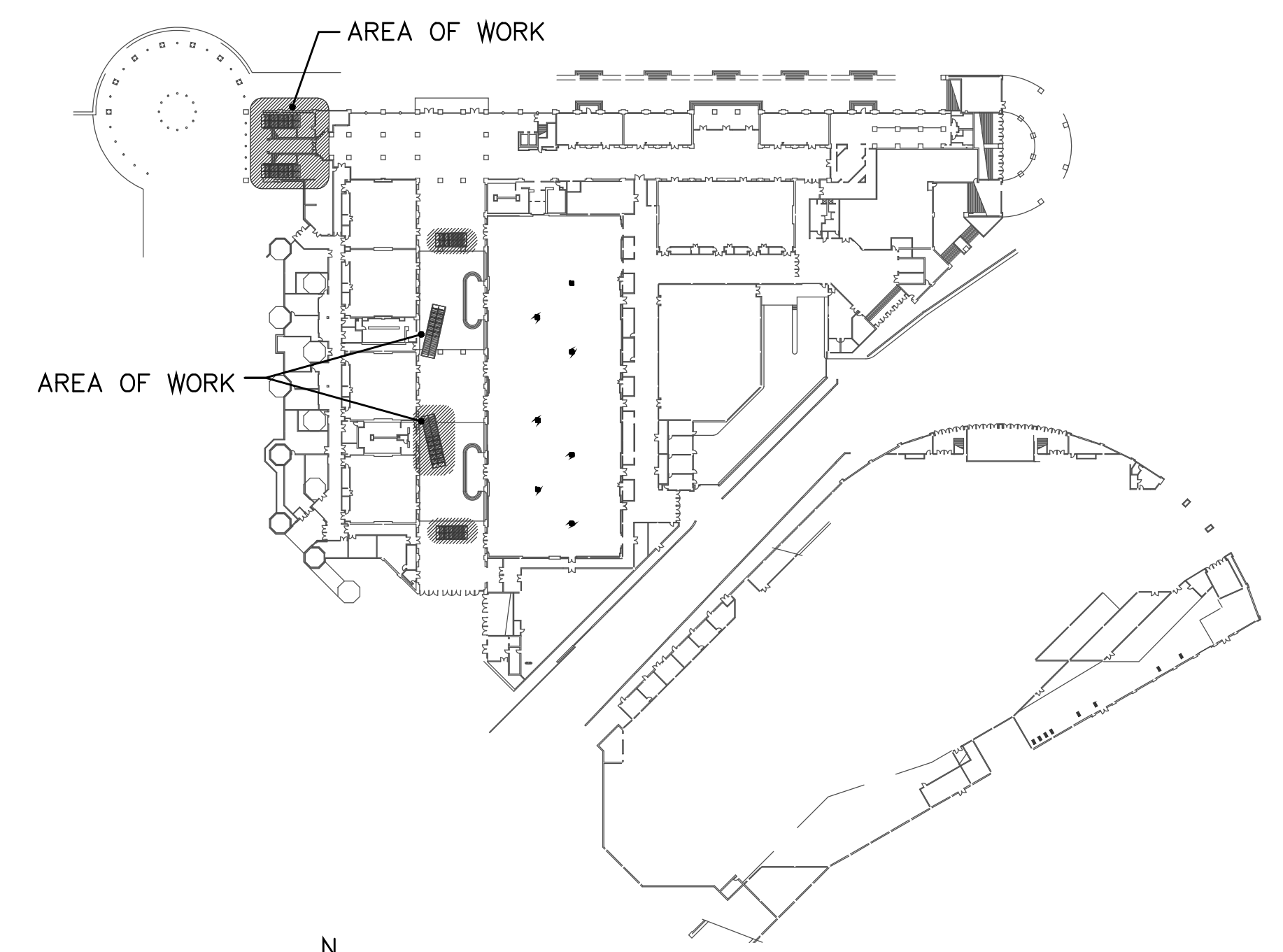
GENERAL FLORIDA BUILDING CODE NOTES:

ALL ELECTRICAL WORK SHALL COMPLY WITH FLORIDA BUILDING CODE

505.7.3 VOLTAGE DROP.

505.7.3.1 FEEDERS AND CUSTOMER OWNED SERVICE CONDUCTORS. FEEDER AND CUSTOMER OWNED SERVICE CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 2 PERCENT AT DESIGN LOAD.

505.7.3.2 BRANCH CIRCUITS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3 PERCENT AT DESIGN LOAD.



KEY PLAN
SCALE: N.T.S.

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	1628 First Avenue North	Drawn	JAR
	St. Petersburg, Florida 33713	Designed	JAR
	Phone: (727)-822-2335	ECOR	JHG
	Fax: (727)-821-5361	Job no.	14149
Certificate of Authorization #3173			



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ELEVATOR #1 THRU #4
ELECTRICAL POWER PLAN

SHEET NUMBER

E1.1
2 OF 5



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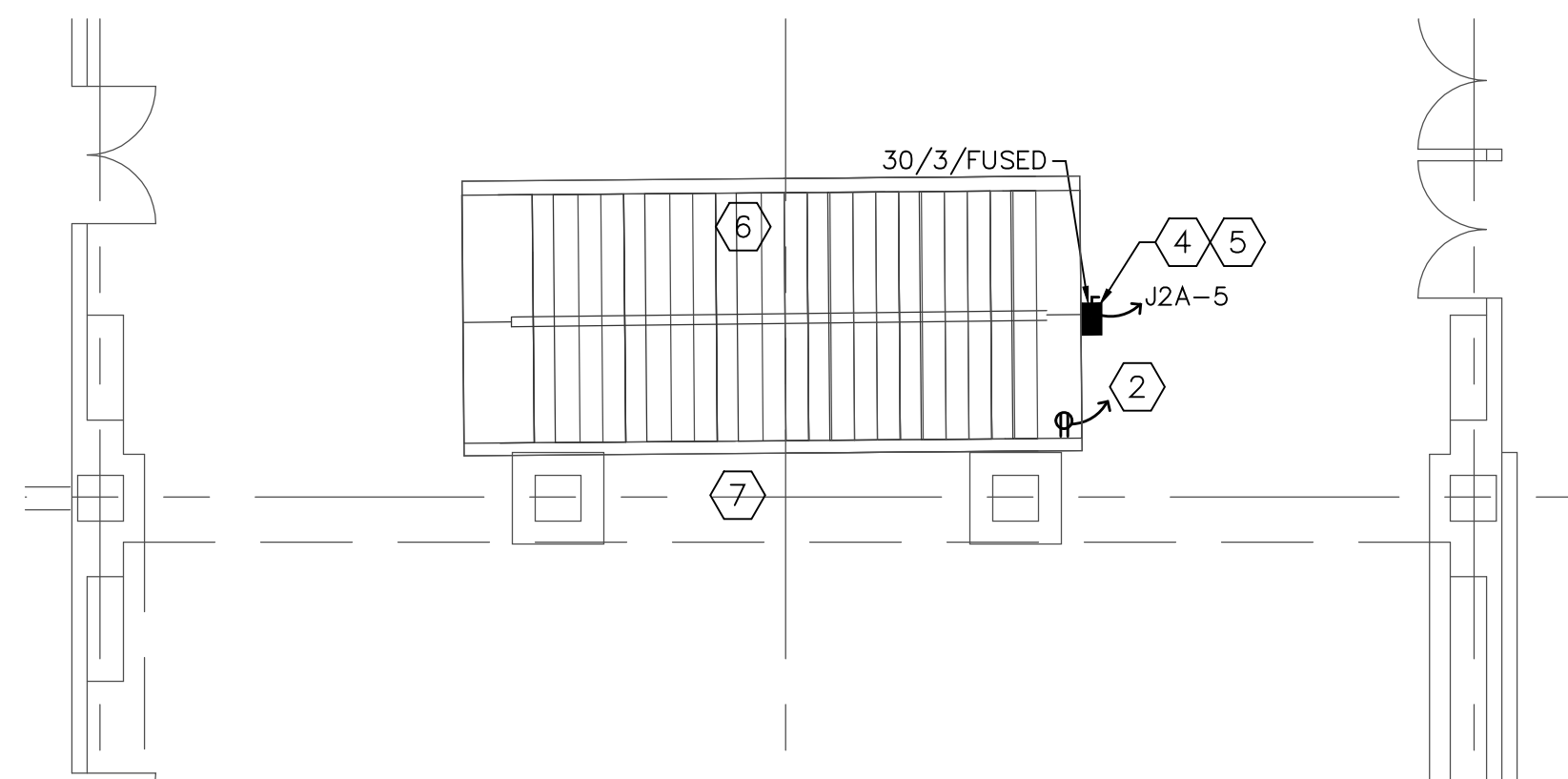
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ESCALATOR #5 THRU #8
 ELECTRICAL PLANS

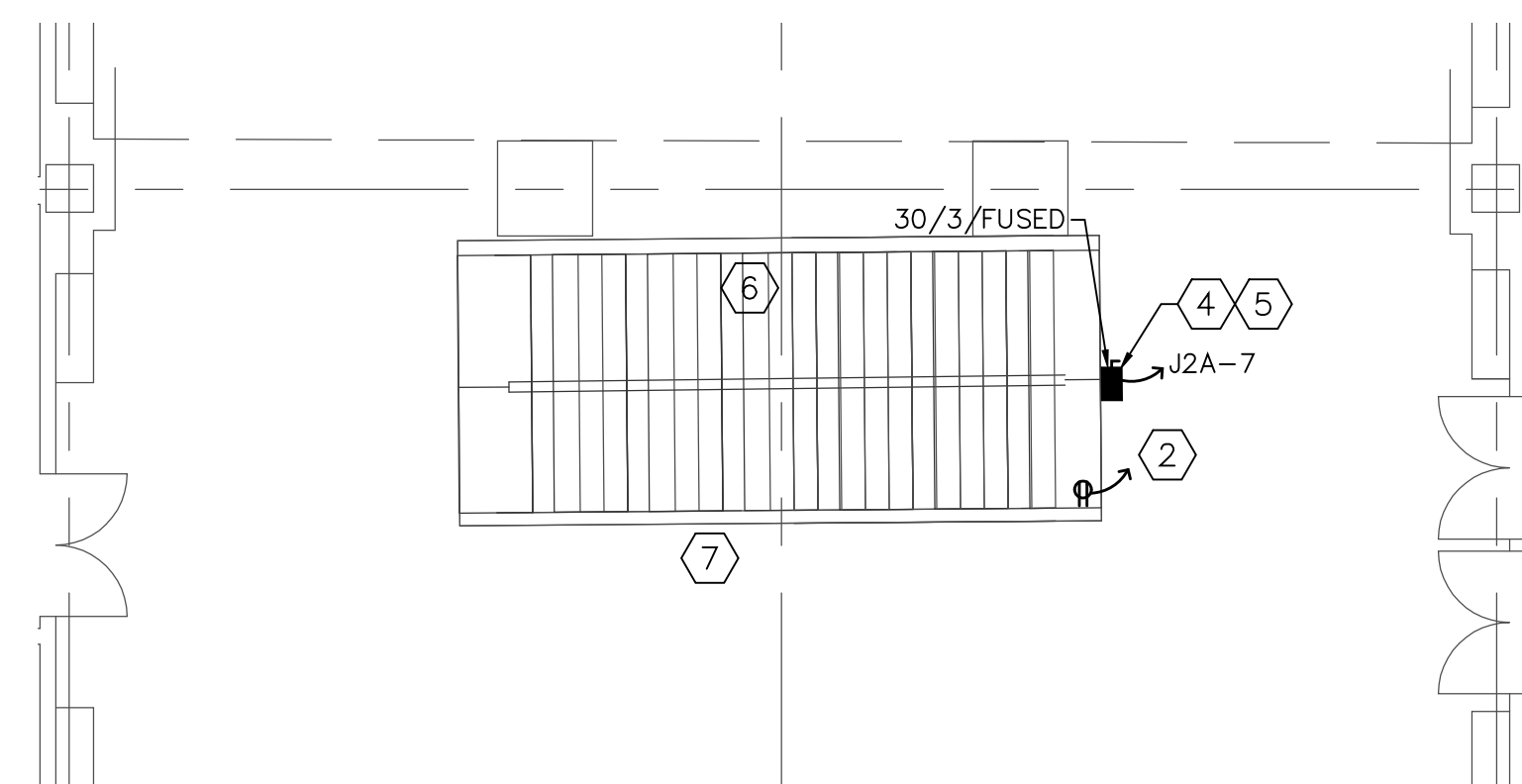
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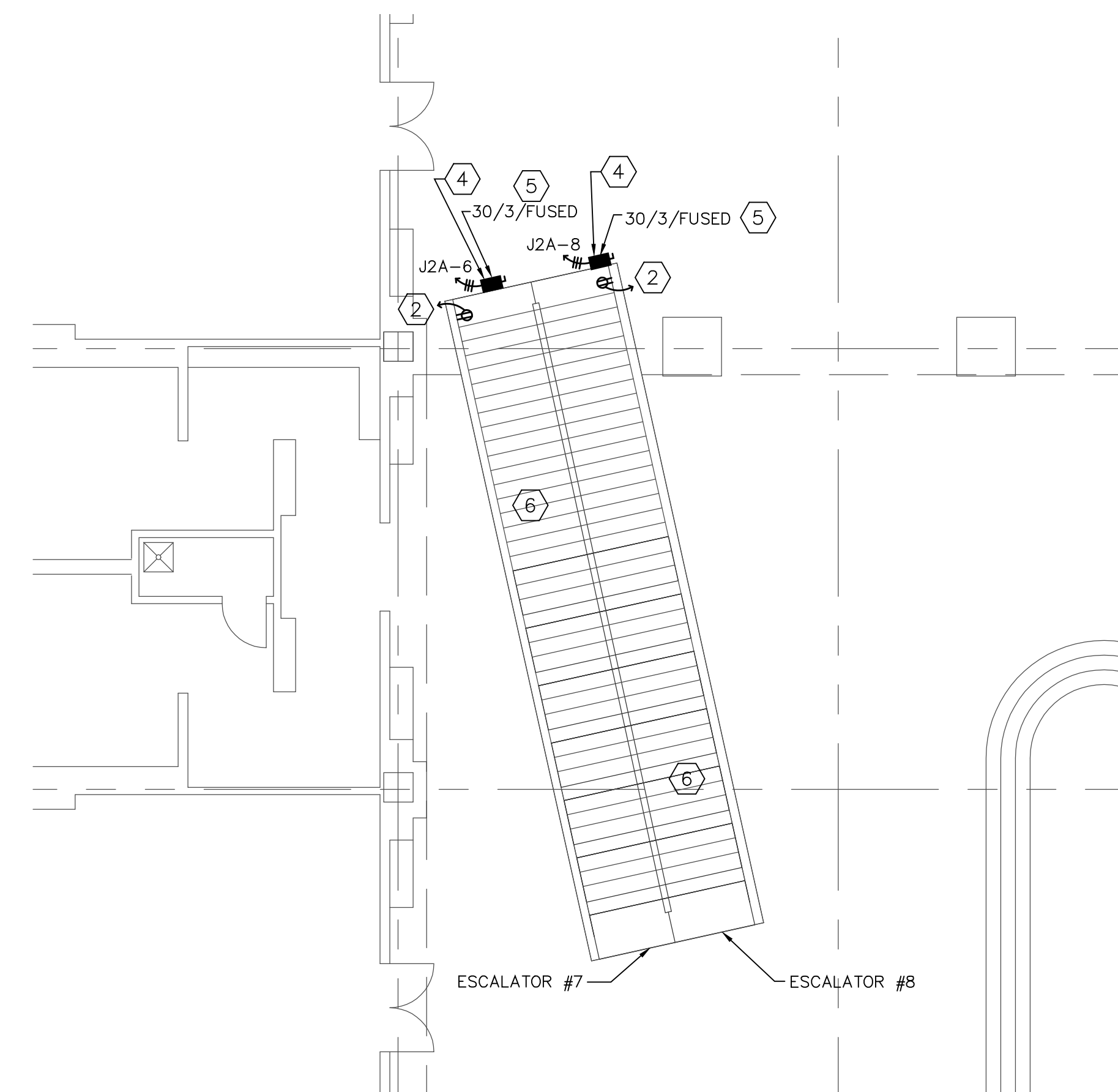
3 OF 5



ESCALATOR ELECTRICAL PLAN #5
 SCALE: 1/8" - 1'-0"



ESCALATOR ELECTRICAL PLAN #6
 SCALE: 1/8" - 1'-0"

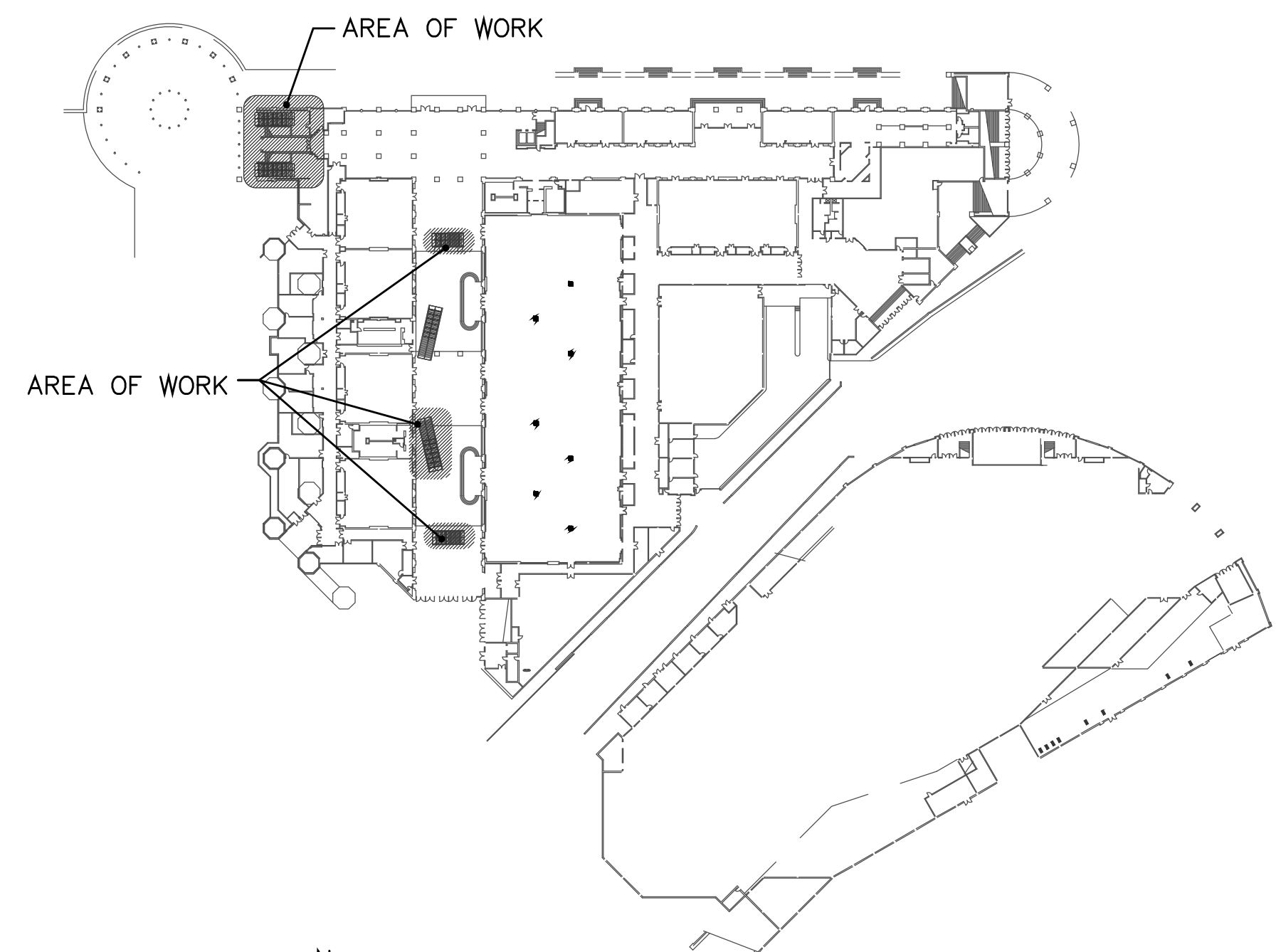


ESCALATOR ELECTRICAL PLAN (#7 & #8)
 SCALE: 1/8" - 1'-0"

- ELECTRICAL KEY NOTES:**
- UTILIZE EXISTING BRANCH CIRCUIT/S FROM DEMOLISHED ELECTRICAL EQUIPMENT SERVING BY THE EXISTING ELECTRICAL HOUSE PANEL/S LOCATED IN EXISTING MAIN ELECTRICAL ROOM. AS NEEDED UTILIZE EXISTING SPARE BREAKER OR PROVIDE CIRCUIT BREAKERS ON THE EXISTING PANEL. NEW CIRCUIT BREAKER BREAKER/S TO MATCH EXISTING PANEL MANUFACTURER, TYPE AND AIC RATING. REUSE EXISTING CIRCUITS AND LABEL DISCONNECT WITH PANEL CIRCUIT LOCATION.
 - VERIFY EXISTING GFCI RECEPTACLE 120V BY LEVITON OR APPROVED EQUAL. COORDINATE FINAL LOCATION AND QUANTITY WITH ELEVATOR CONTRACTOR IF NEEDED TO BE FURNISHED AND INSTALLED. REUSE EXISTING CIRCUITS AND LABEL RECEPTACLE FACEPLATE WITH PANEL CIRCUIT LOCATION.
 - EXISTING LIGHTING LEVEL AT THE ESCALATOR LOCATION TO BE VERIFIED BY THE CONTRACTOR TO BE THE MINIMUM REQUIRED FC AT THE FLOOR LEVEL.
 - PROVIDE DISCONNECT AND FINAL CONNECTION TO ESCALATOR CONTROLLER. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS WITH ESCALATOR CONTRACTOR AND SHOP DRAWINGS AND OTHER TRADES PRIOR TO ROUGH-IN
 - PROVIDE FUSED DISCONNECT WITH 25 AMP RK1 TIME DELAY TYPE FUSES (PER MANUFACTURER RECOMMENDATION).
 - ESCALATOR, ESCALATOR CONTROLLER, MISCELLANEOUS PROJECT SUPPORTING PARTS, DEMOLITION, ALL LABOR AND WARRANTY PROVIDED BY OTHERS.
 - ESCALATORS LOCATED ON 2ND THRU 3RD LEVEL

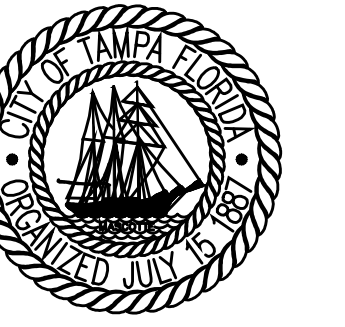
- ELECTRICAL GENERAL NOTES:**
- COORDINATE ALL RENOVATION ELECTRICAL POWER AND LOW VOLTAGE WORK WITH ARCHITECT, OWNER, AND GENERAL CONTRACTOR PRIOR TO BID AND ROUGH-IN.
 - COORDINATE EXACT OUTLETS AND EQUIPMENT LOCATIONS WITH ARCHITECT, OWNER, AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
 - ELECTRICAL CONTRACTOR SHALL TRACK EXISTING CIRCUITS AND UPDATE THE PANEL SCHEDULE ACCORDINGLY.
 - ALL POWER/LOW VOLTAGE OUTLETS SHALL BE LABELED WITH PANEL AND CIRCUIT NUMBER.
 - COORDINATE ALL COVER PLATES FINISHES WITH ARCHITECT AND OWNER.
 - EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE, NOT LIMITED TO LIGHTS AND RECEPTACLES.
 - WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE AND READY FOR USE."
 - BRANCH CIRCUIT SHALL BE MINIMUM 2 #12 AND 1#12 E.G IN 3/4" C UNLESS OTHERWISE NOTED.
 - EXISTING HVAC ROOF DX UNIT AND ASSOCIATED ELECTRICAL DEVICES AND EQUIPMENT TO BE DEMOLISHED. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
 - EX - DENOTES EXISTING TO REMAIN
 - NFPA 70 ART. 408.4 "EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT AND SPECIFIC PURPOSE OR USE."

- GENERAL FLORIDA BUILDING CODE NOTES:**
- ALL ELECTRICAL WORK SHALL COMPLY WITH FLORIDA BUILDING CODE
- 505.7.3 VOLTAGE DROP.
- 505.7.3.1 FEEDERS AND CUSTOMER OWNED SERVICE CONDUCTORS.
 FEEDER AND CUSTOMER OWNED SERVICE CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 2 PERCENT AT DESIGN LOAD.
- 505.7.3.2 BRANCH CIRCUITS.
 BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3 PERCENT AT DESIGN LOAD.



KEY PLAN
 SCALE: N.T.S.

G	GRINER ENGINEERING, INC.	Date	3/27/2015
	1628 First Avenue North	Drawn	JAR
	St. Petersburg, Florida 33713	Designed	JAR
	Phone: (727)-822-2335	ECOR	JHG
	Fax: (727)-821-5361	Job no.	14149
Certificate of Authorization #3173			



CITY OF TAMPA
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 DEPARTMENT
 PLANNING AND DESIGN DIVISION
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 TAMPA, FLORIDA 33602
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 Edward D. Rice, AIA
 Project Architect
 Kevin L. Heniko, AIA
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 Thomas A. Hester, Sr., AIA, NOMA
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 David R. Pagitt
 Supervisor, Architectural Drafting
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 Drafting Technician
 Jerry P. Sanders
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 Byron K. Thomas
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MEP CONSULTANT
 GRINER ENGINEERING, INC.
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STRUCTURAL CONSULTANT

CIVIL CONSULTANT

LANDSCAPE CONSULTANT

TAMPA CONVENTION CENTER
 ESCALATOR 1 THRU 8 REPL.
 TAMPA, FL

DPW FILE NUMBER

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ISSUE DATE
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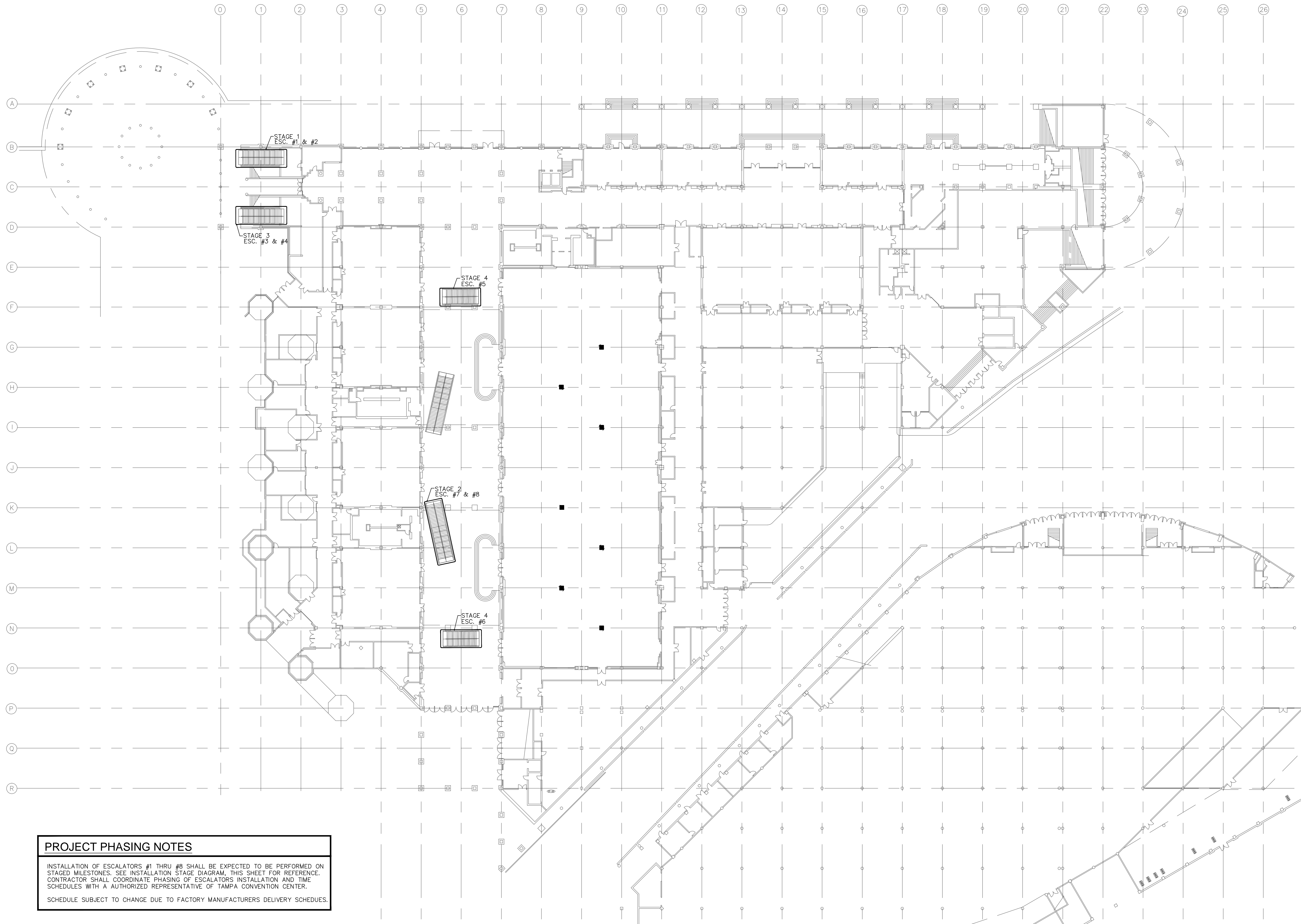
SCALE: VARIES

INSTALLATION SCHEDULE
 AND NOTES

SHEET NUMBER

E1.3

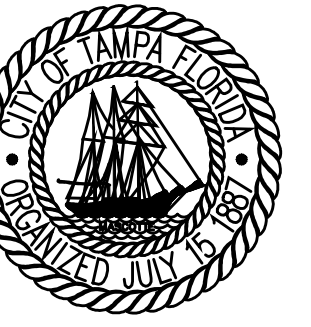
4 OF 5



PROJECT PHASING NOTES
 INSTALLATION OF ESCALATORS #1 THRU #8 SHALL BE EXPECTED TO BE PERFORMED ON STAGED MILESTONES. SEE INSTALLATION STAGE DIAGRAM, THIS SHEET FOR REFERENCE. CONTRACTOR SHALL COORDINATE PHASING OF ESCALATORS INSTALLATION AND TIME SCHEDULES WITH A AUTHORIZED REPRESENTATIVE OF TAMPA CONVENTION CENTER.
 SCHEDULE SUBJECT TO CHANGE DUE TO FACTORY MANUFACTURERS DELIVERY SCHEDULES.

ESCALATOR PHASING PLAN
 SCALE: 1/32" = 1'-0"

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	St. Petersburg, Florida 33713	Designed	JAR
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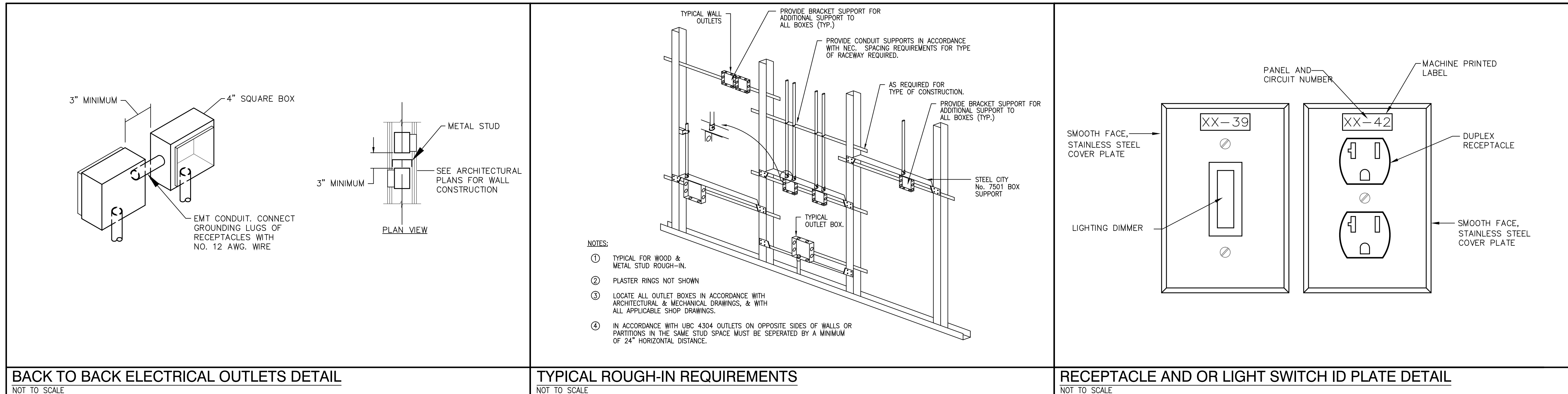
SCALE: VARIES

ELECTRICAL DETAILS

SHEET NUMBER

E2.1

5 OF 5



G	GRINER ENGINEERING, INC.	Date	3/27/2015
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