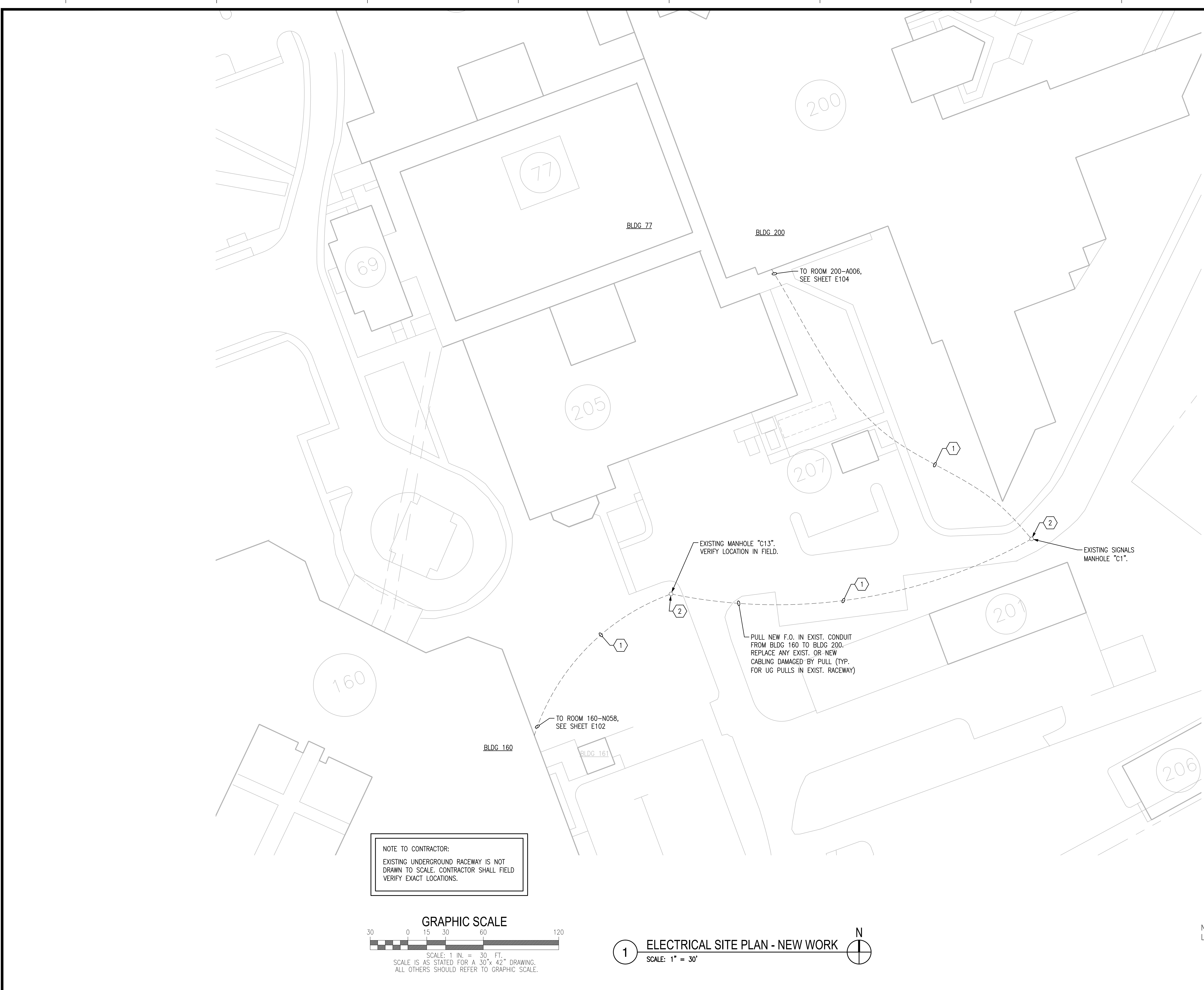
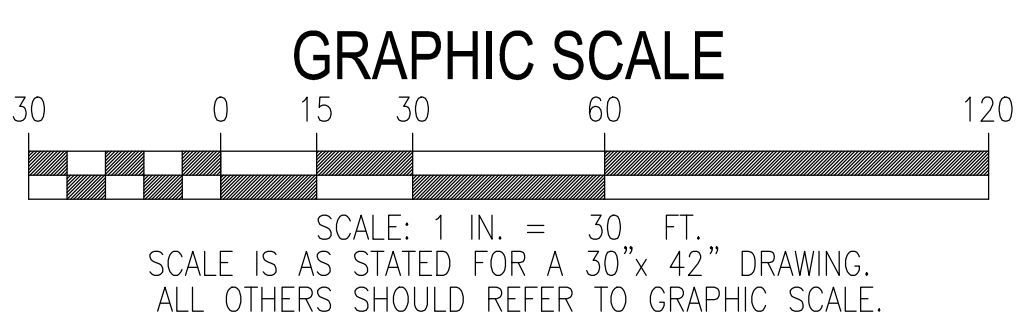


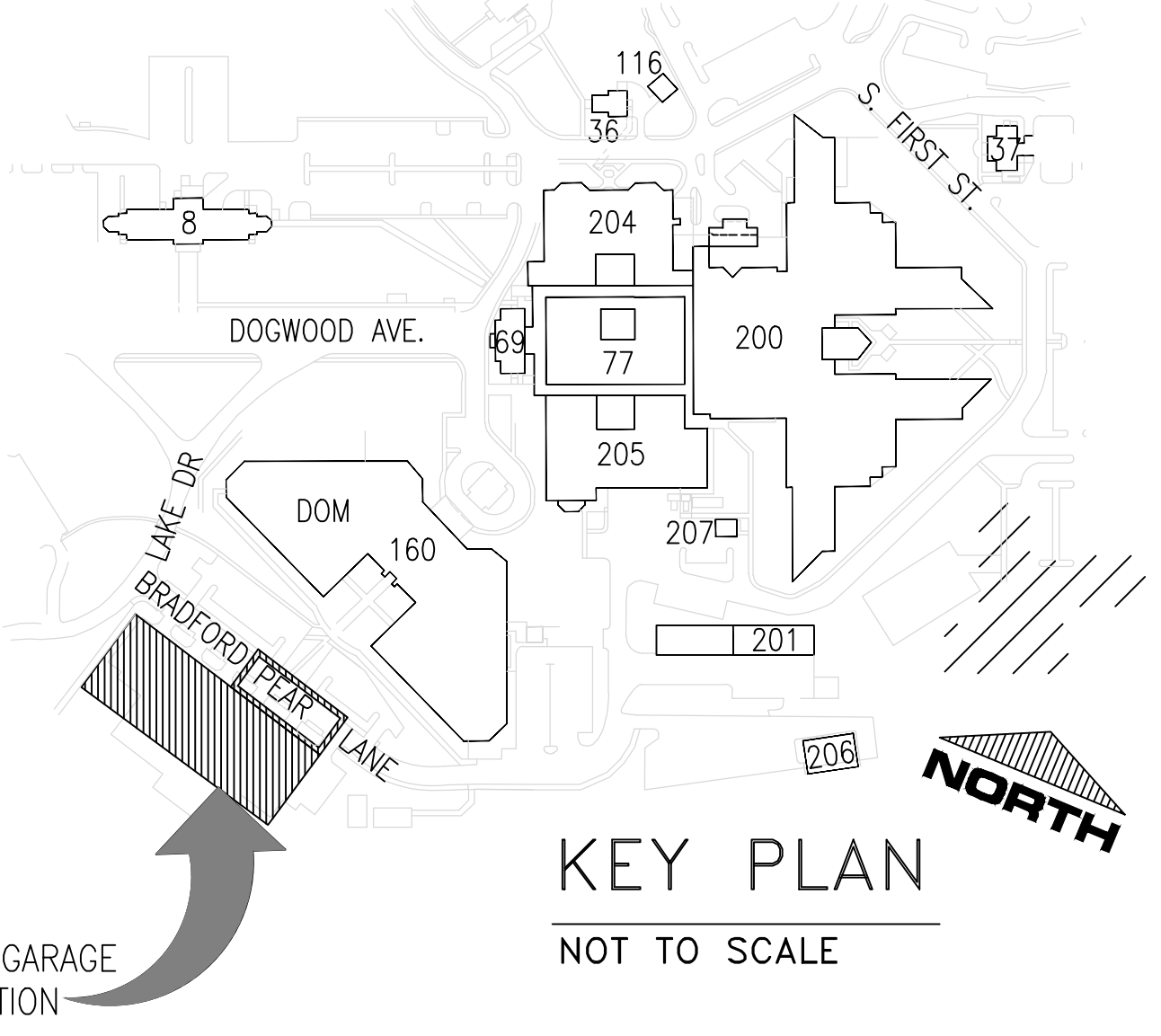
Three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot



NOTE TO CONTRACTOR:  
EXISTING UNDERGROUND RACEWAY IS NOT  
DRAWN TO SCALE. CONTRACTOR SHALL FIELD  
VERIFY EXACT LOCATIONS.



1 ELECTRICAL SITE PLAN - NEW WORK  
SCALE: 1" = 30'



FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

SHEET NOTES

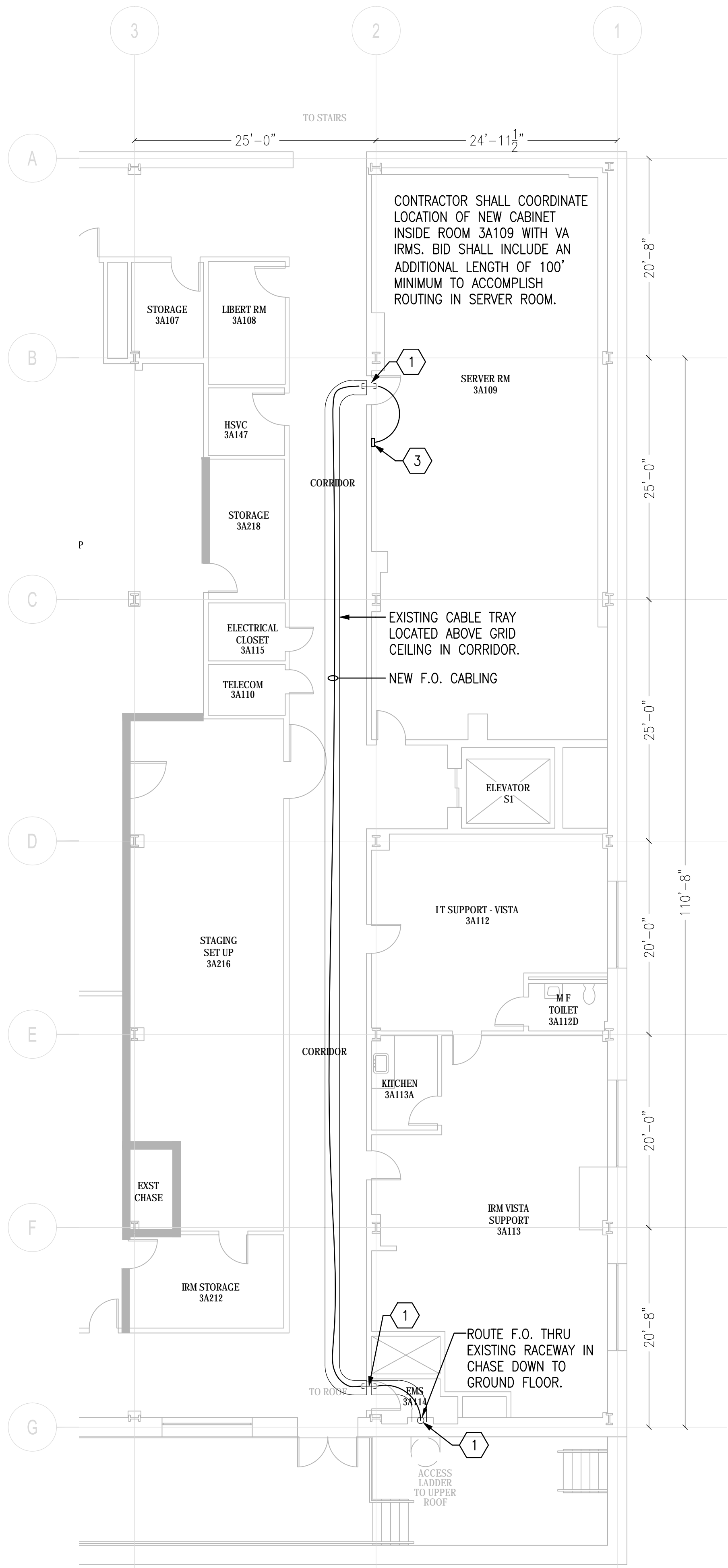
- A. REFER TO SHEET E001 FOR ADDITIONAL GENERAL NOTES.
- B. CONTRACTOR SHALL VERIFY EXIST. UNDERGROUND UTILITIES AND STRUCTURES (SUCH AS FUEL STORAGE TANKS, STORM WATER LINES, ETC.)
- C. PLAN SHOWN ON THIS SHEET IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS.

SHEET KEYNOTES

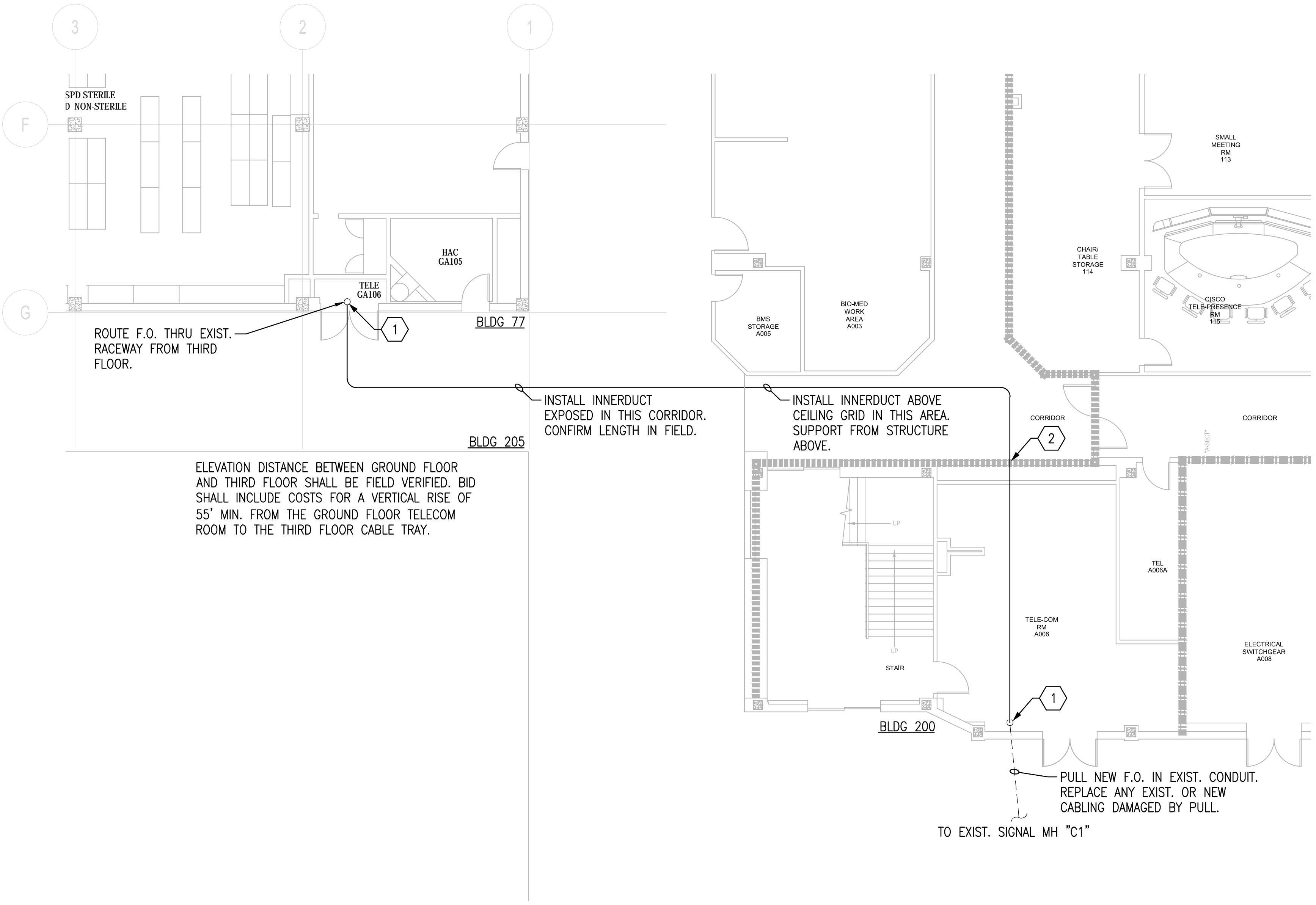
1. PULL NEW CABLING IN EXIST. RACEWAY.
2. PROVIDE SERVICE LOOP IN EACH MANHOLE AND PULL BOX.

Dwg. File	ARCHITECT/ENGINEERS:	Chad J. Frelick, PE Florida Reg. 73811	CONSULTANTS:	Approved:	Drawing Title	Project Title	Date
	<b>AKEA INC.</b> 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017		<b>WALKER</b> PARKING CONSULTANTS 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5900 Ph 813.888.5822 Fax BE-0003840 www.walkerparking.com	Asst. Chief, Engineering Service Engineering Bldg. Maint. Foreman Engineering Operation Foreman Engineering Health & Safety Engineering Planning & Analysis C.O.T.R.	<b>ELECTRICAL SITE PLAN - NEW WORK</b>	<b>CONSTRUCT 525 SPACE PARKING GARAGE</b> CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254	MARCH 26, 2015
Revisions		AKEA, INC.	SEAL		Approved: Chief, Engineering Service 10	Building Number 160	Project No. 621-330
Date					Approved: Service Chief	Checked CJF	DRAWING NO. <b>E103</b> Page 109 of 131
						Drawn KLL	
						Location VAMC MOUNTAIN HOME, TENNESSEE	

Three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
one-quarter inch = one foot  
three-eighths inch = one foot  
one-eighth inch = one foot  
one-sixteenth inch = one foot

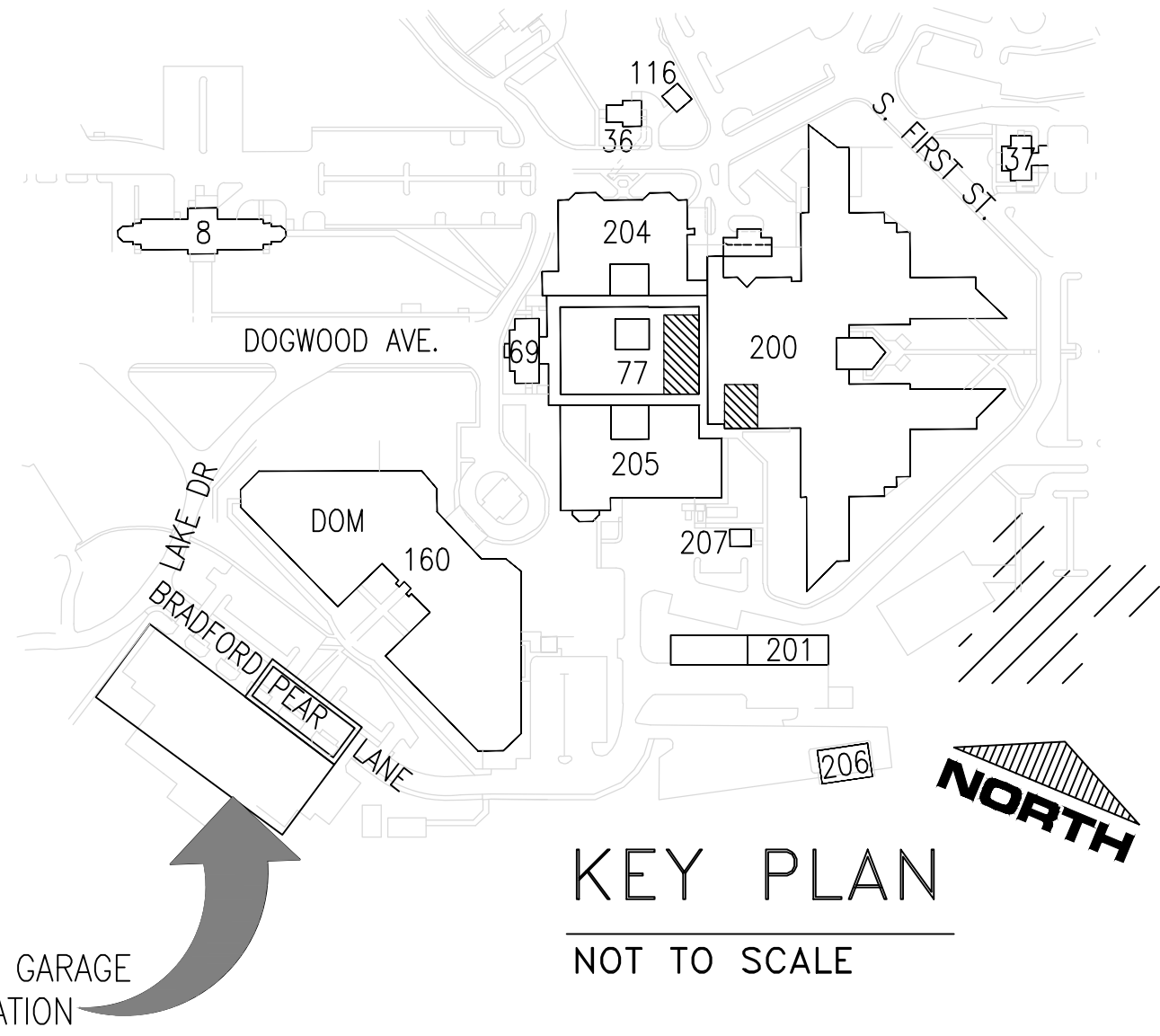


1 THIRD FLOOR PARTIAL PLAN - BUILDING 77  
SCALE: 1/8" = 1'-0"



1 GROUND FLOOR PARTIAL PLAN - BUILDINGS 77 AND 200  
SCALE: 1/8" = 1'-0"

CONTRACTOR SHALL COORDINATE ROUTING FOR DATA FIBER AND RACEWAY WITH VA, INCLUDING INTERNAL ROUTING INSIDE BLDG 77. PLAN SHOWS APPROXIMATE ROUTING. IT IS RECOMMENDED THAT THE CONTRACTOR WALK ROUTING PRIOR TO BID.



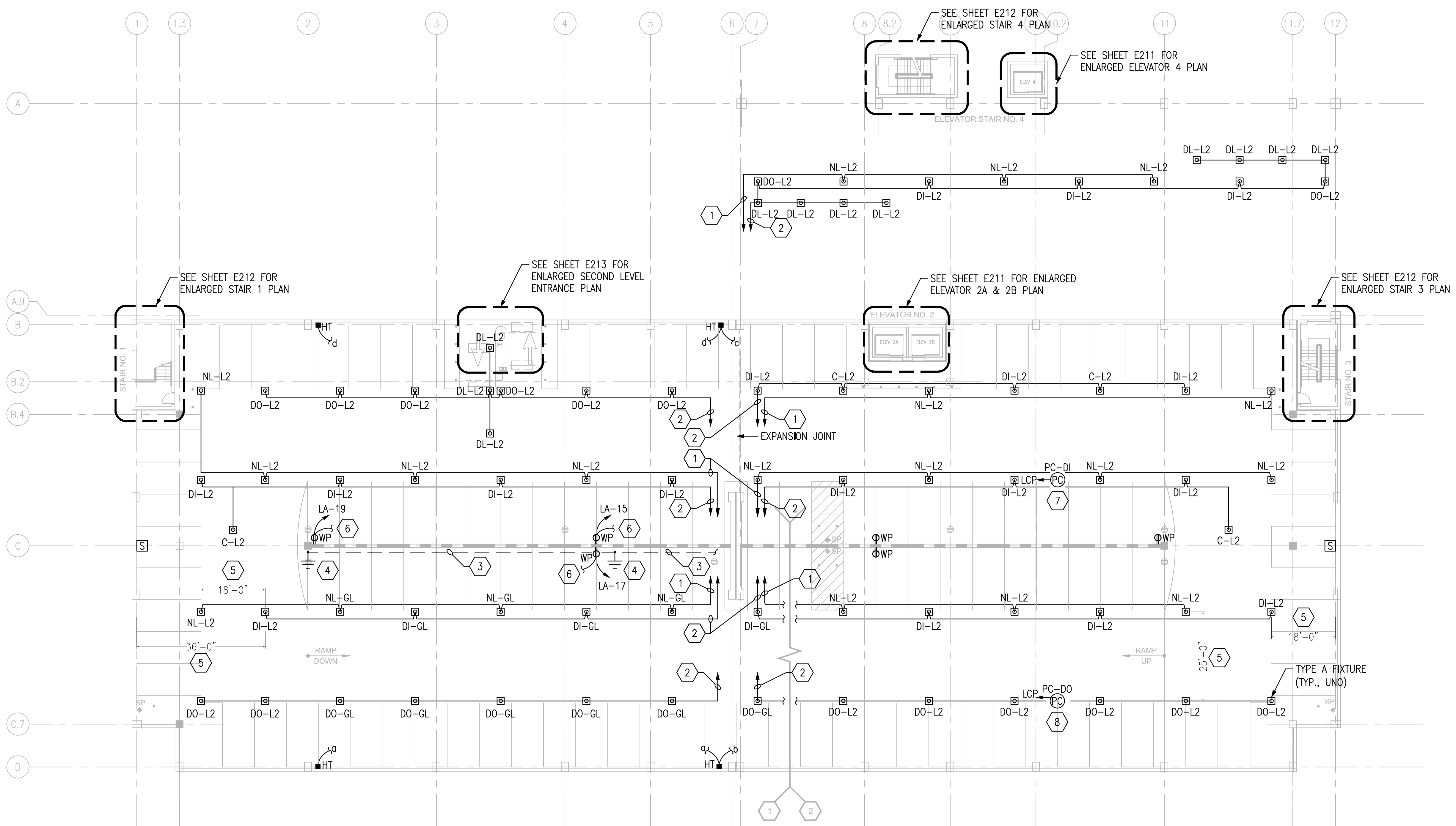
KEY PLAN  
NOT TO SCALE

FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

Dwg. File	ARCHITECT/ENGINEERS:	Chad J. Frolick, PE Florida Reg. 73811	CONSULTANTS:	Approved:	Drawing Title	Project Title	Date
	<b>AKEA INC.</b> 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017		<b>WALKER</b> PARKING CONSULTANTS 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5800 Ph 813.888.5822 Fax BE-0003840 www.walkerparking.com	Asst. Chief, Engineering Service Engineering Bldg. Maint. Foreman Engineering Operation Foreman Engineering Health & Safety Engineering Planning & Analysis C.O.T.R.	<b>BUILDINGS 200 &amp; 77 PARTIAL FLOOR PLANS - DATA ROUTING</b>	<b>CONSTRUCT 525 SPACE PARKING GARAGE</b> CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254	MARCH 26, 2015
Revisions	Date	SEAL	FRANK DAUGHTRY architect 200 E. Government Street Suite 240-A Pensacola, FL 32502 Voice 850-433-3023 Fax 850-433-3025 Email frank@frankda.com		Approved: Chief, Engineering Service 10	Building Number 160 Checked CJF Drawn KLL	Project No. 621-330
					Approved: Service Chief	Location VAMC MOUNTAIN HOME, TENNESSEE	DRAWING NO. <b>E104</b> Page 110 of 131





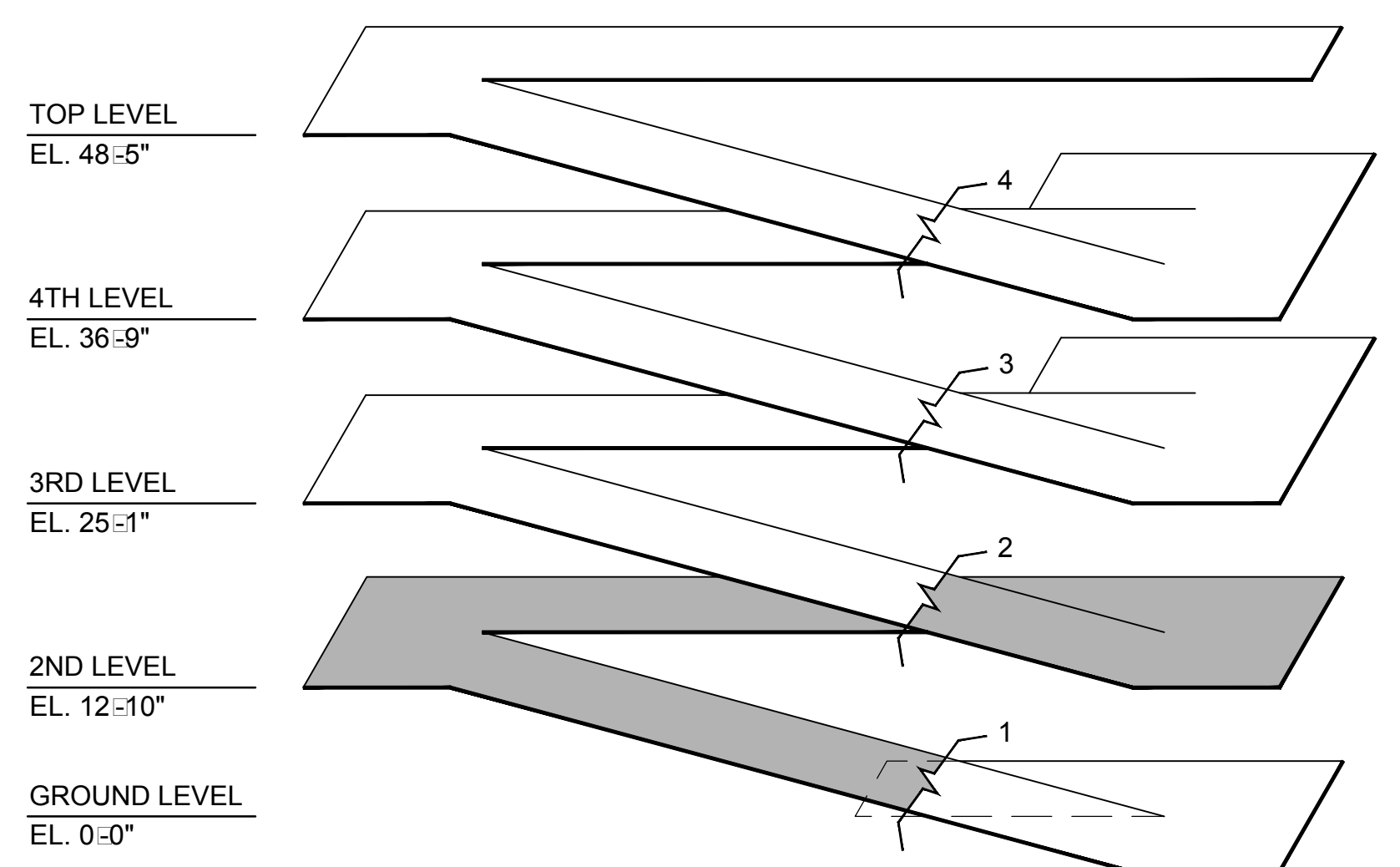


# SHEET NOTES

- SEE SHEET E001 FOR ADDITIONAL GENERAL NOTES.
- SEE DETAIL 4 ON SHEET E401 FOR LIGHT MOUNTING AND STRUCTURAL BLOCK-OUT DETAIL. COORDINATE BLOCK-OUT LOCATIONS FOR CONDUIT RUNS WITH PRECASTER.
- SEE SHEET E400 FOR LIGHTING FIXTURE SCHEDULE.
- SEE DETAILS ON SHEET E502 FOR ALL CONDUITS CROSSING EXPANSION JOINTS.

## SHEET KEYNOTES

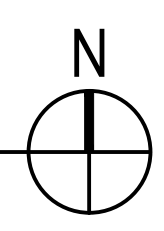
- HOMERUN TO PANEL ELP.
- HOMERUN TO CONTROL PANEL LCP.
- CONNECT LIGHT POLE GROUNDING SYSTEM TOGETHER WITH BARE 4/0 Cu CABLE LOCATED 18" UNDER SLAB ON GRADE. ALL UNDERGROUND CONNECTIONS SHALL BE VIA EXOTHERMIC WELD.
- 10' LONG x 3/4" DIAMETER DRIVER Cu CLAD GROUND ROD. CONNECT TO TOP LEVEL LIGHT POLES WITH 4/0 Cu CABLE IN 1" PVC. PROVIDE EXPANSION JOINTS AS REQUIRED BY NEC.
- DIMENSIONS FOR LIGHTING (AND CONDUIT) LOCATIONS ALONG PRECAST TEE. PROVIDE BLOCK-OUTS IN PRECAST TEE IN APPROXIMATE LOCATIONS SHOWN AND WITH DIMENSIONS INDICATED ON SHEET E404.
- PROVIDE CONDUIT TO LEVEL ABOVE AND CONNECT ABOVE RECEPTACLES TO SAME CIRCUIT. (TYP. FOR GENERAL GARAGE RECEPTACLES).
- MOUNT PHOTOCELL ON SECOND FLOOR, IN ALIGNMENT WITH THE INTERIOR-MOST LIGHTING FIXTURES.
- MOUNT PHOTOCELL ON SECOND FLOOR, IN ALIGNMENT WITH THE OUTER-MOST LIGHTING FIXTURES.



ISOMETRIC

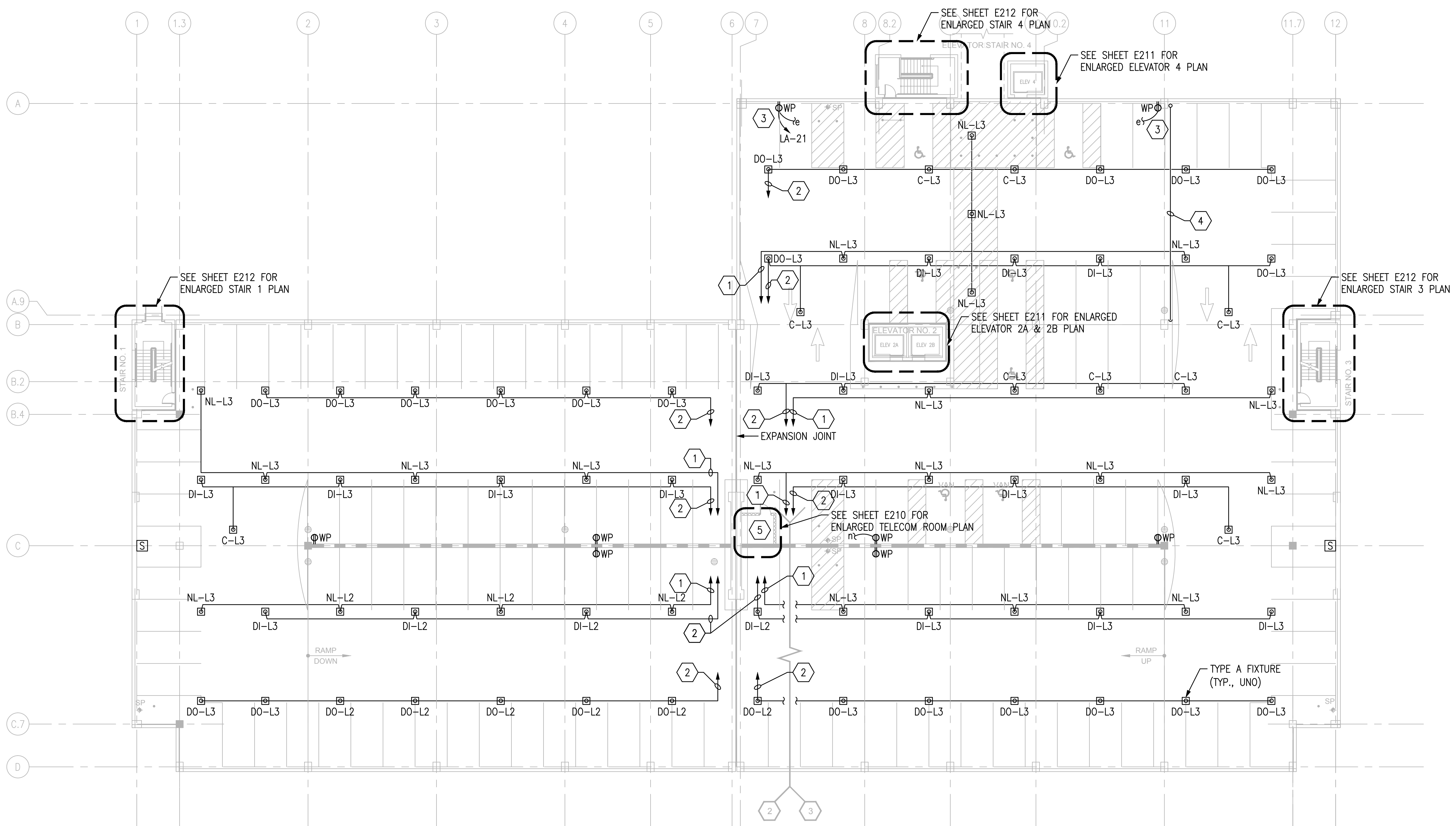
## 1 ELECTRICAL LIGHTING, POWER AND SYSTEMS PLAN - SECOND LEVEL

SCALE: 1/16" = 1'



FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

<b>Dwg. File</b>	<b>ARCHITECT/ENGINEERS:</b>	<b>CONSULTANTS:</b>	<b>Approved:</b>	<b>Drawing Title</b>	<b>Project Title</b>	<b>Date</b>
	<b>AKEA INC.</b>	<b>WALKER PARKING CONSULTANTS</b>	<b>Asst. Chief, Engineering Service</b>	<b>ELECTRICAL LIGHTING, POWER &amp; SYSTEMS PLAN - SECOND LEVEL</b>	<b>CONSTRUCT 525 SPACE PARKING GARAGE</b>	<b>MARCH 26, 2015</b>
	3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017	Chad J. Frolick, PE Florida Reg. 73811	<b>Engineering Bldg. Maint. Foreman</b>		CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254	Project No. 621-330
		<b>FRANK DAUCHTRY architect</b>	<b>Engineering Operation Foreman</b>	<b>Approved: Chief, Engineering Service</b>	<b>Building Number</b>	<b>Checked</b>
		200 E. Government Street Suite 240-A Pensacola, FL 32502 Voice 850-433-3023 Fax 850-433-3025 Email frank@frankda.com	<b>Engineering Health &amp; Safety</b>		160	CJF
			<b>Engineering Planning &amp; Analysis</b>	<b>Approved: Service Chief</b>	<b>Drawn</b>	KLL
			<b>C.O.T.R.</b>		<b>Location</b>	<b>DRAWING NO.</b>
					VAMC MOUNTAIN HOME, TENNESSEE	<b>E201</b>
						Page 112 of 131



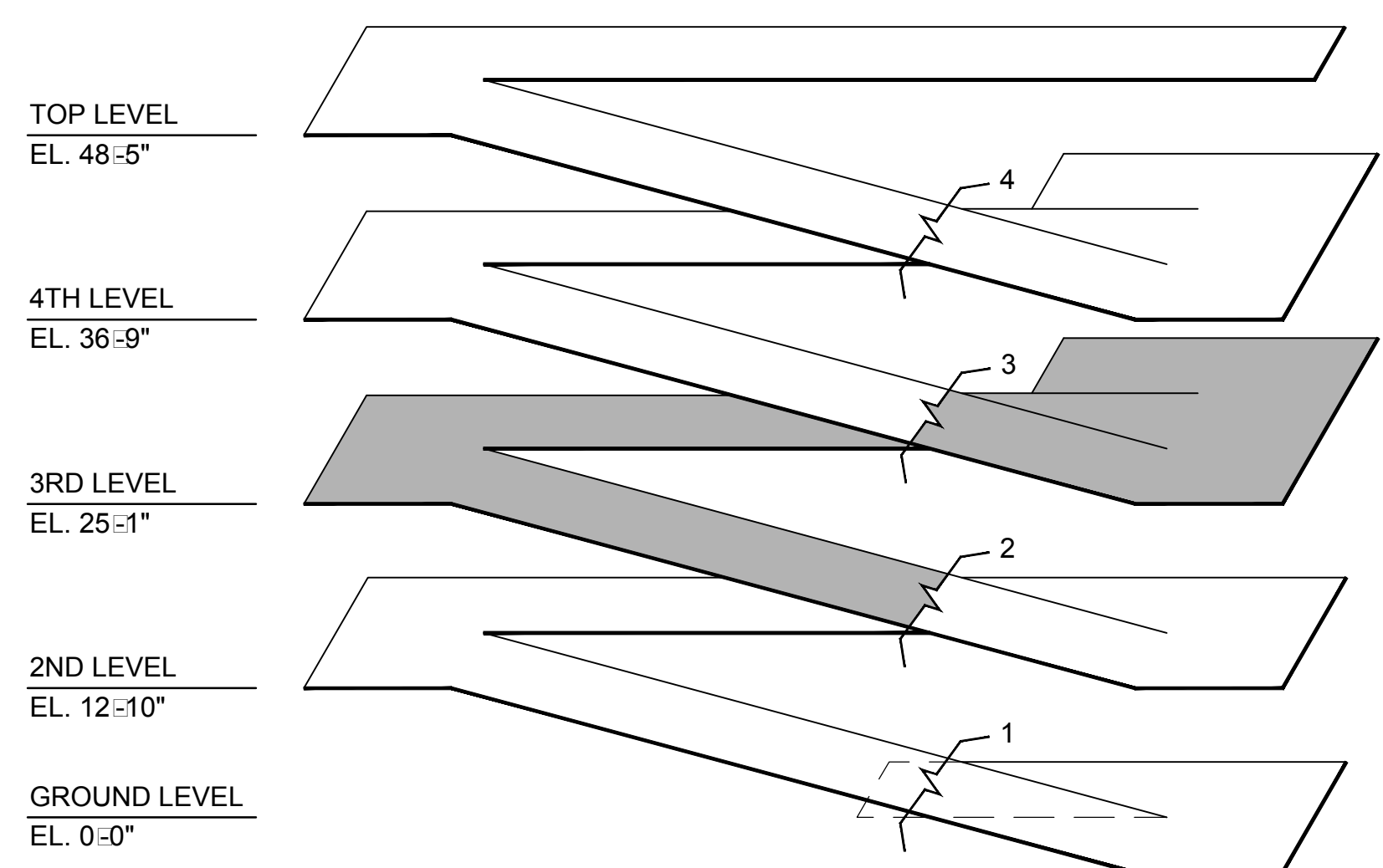
1 ELECTRICAL LIGHTING, POWER AND SYSTEMS PLAN - THIRD LEVEL  
SCALE: 1/16" = 1'

### SHEET NOTES

- SEE SHEET E001 FOR ADDITIONAL GENERAL NOTES.
- SEE DETAIL 4 ON SHEET E401 FOR LIGHT MOUNTING AND STRUCTURAL BLOCK-OUT DETAIL. COORDINATE BLOCK-OUT LOCATIONS FOR CONDUIT RUNS WITH PRECASTER.
- SEE SHEET E400 FOR LIGHTING FIXTURE SCHEDULE.
- SEE DETAILS ON SHEET E502 FOR ALL CONDUITS CROSSING EXPANSION JOINTS.

### SHEET KEYNOTES

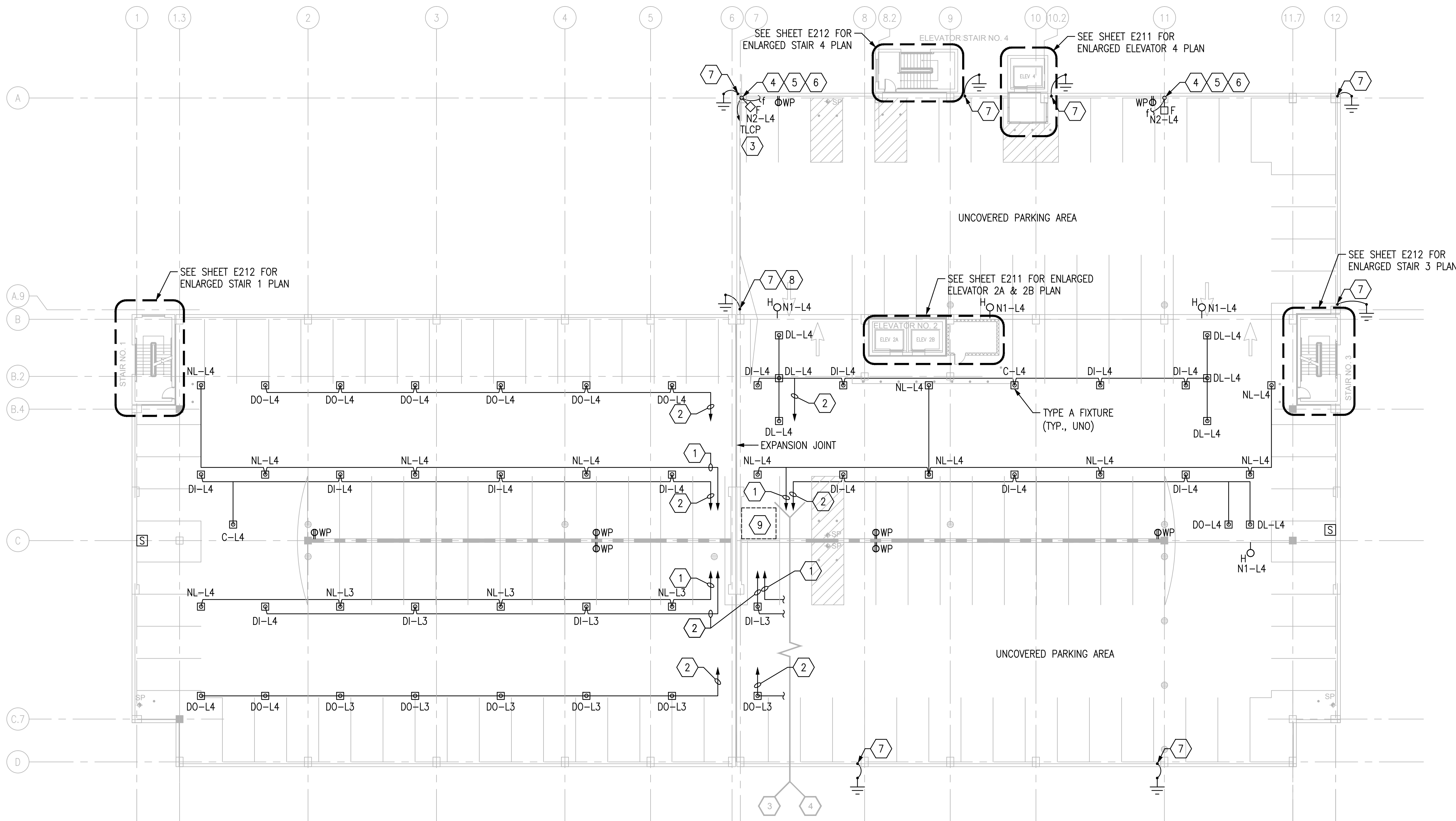
- HOMERUN TO PANEL ELP.
- HOMERUN TO CONTROL PANEL LCP.
- PROVIDE CONDUIT TO LEVEL ABOVE AND CONNECT ABOVE RECEPTACLES TO SAME CIRCUIT. (TYP. FOR GENERAL GARAGE RECEPTACLES).
- PROVIDE #4/0 Cu BONDING JUMPER IN 1" PVC BETWEEN NORTH LIGHT POLE GROUNDING CONDUCTOR AND SOUTHERN LIGHT POLE GROUNDING CONDUCTOR.
- CONDUITS FOREIGN TO THE THE TELECOM ROOM SHALL NOT BE ROUTED THROUGH THE TELECOM ROOM. THIS INCLUDES BUT IS NOT LIMITED TO GARAGE LIGHTING CONDUITS AND GENERAL GARAGE RECEPTACLES.



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FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

Dwg. File	ARCHITECT/ENGINEERS:	Chad J. Frelick, PE Florida Reg. 73811	CONSULTANTS:	Approved:	Drawing Title	Project Title	Date
	<b>AKEA INC.</b> 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017		<b>WALKER</b> PARKING CONSULTANTS 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5800 Ph 813.888.5822 Fax BE-0003840 www.walkerparking.com	Asst. Chief, Engineering Service Engineering Bldg. Maint. Foreman Engineering Operation Foreman Engineering Health & Safety Engineering Planning & Analysis C.O.T.R.	<b>ELECTRICAL LIGHTING, POWER &amp; SYSTEMS PLAN - THIRD LEVEL</b>	<b>CONSTRUCT 525 SPACE PARKING GARAGE</b> CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254	MARCH 26, 2015
Revisions		AKEA, INC.	SEAL		Approved: Chief, Engineering Service Approved: Service Chief	Building Number 160 Checked CJF Drawn KLL Location VAMC MOUNTAIN HOME, TENNESSEE	Project No. 621-330 DRAWING NO. <b>E202</b> Page 113 of 131



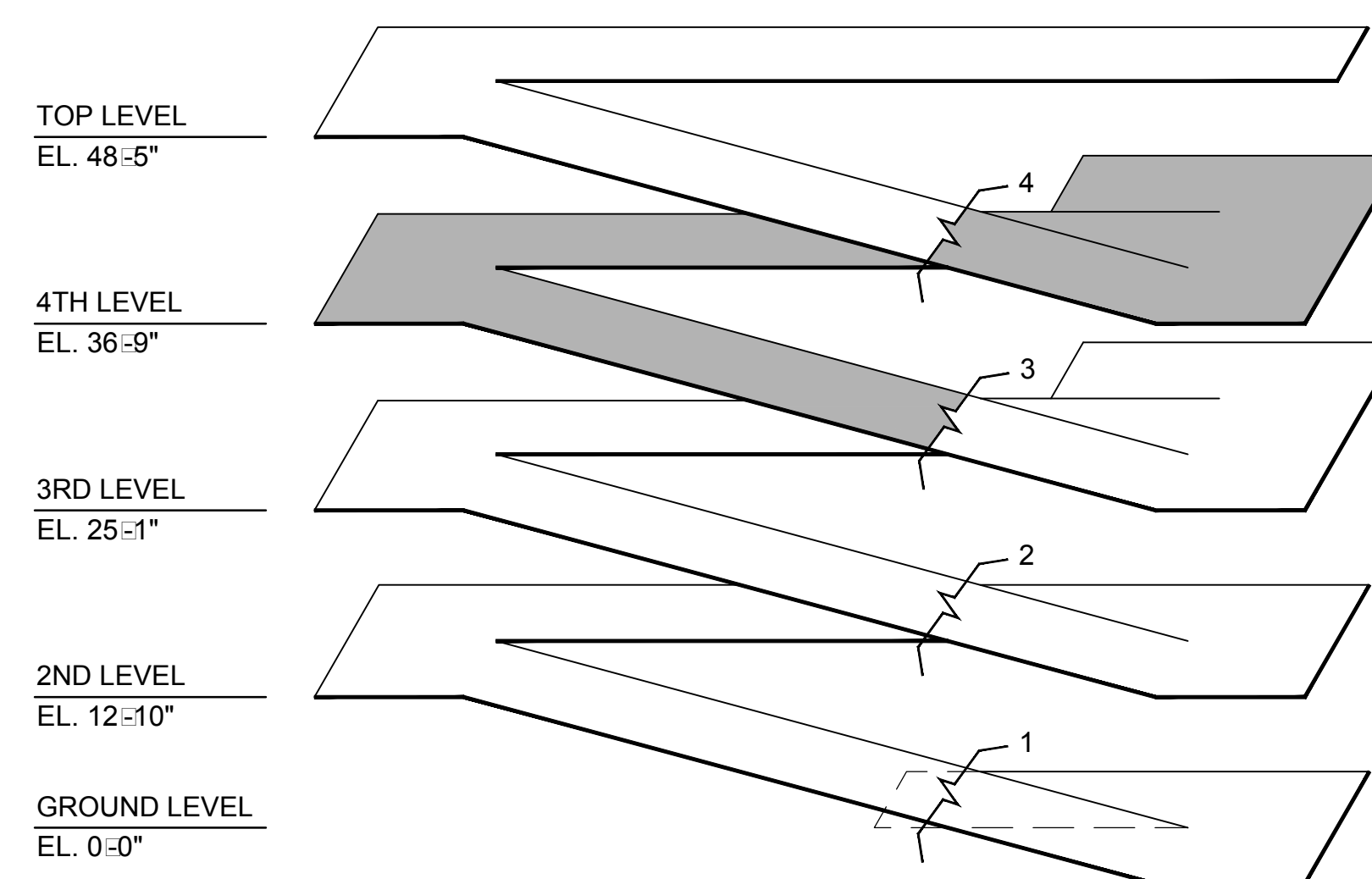
1 ELECTRICAL LIGHTING, POWER AND SYSTEMS PLAN - FOURTH LEVEL  
SCALE: 1/16" = 1'

## SHEET NOTES

- SEE SHEET E001 FOR ADDITIONAL GENERAL NOTES.
- SEE DETAIL 4 ON SHEET E401 FOR LIGHT MOUNTING AND STRUCTURAL BLOCK-OUT DETAIL. COORDINATE BLOCK-OUT LOCATIONS FOR CONDUIT RUNS WITH PRECASTER.
- SEE SHEET E400 FOR LIGHTING FIXTURE SCHEDULE.
- SEE DETAILS ON SHEET E502 FOR ALL CONDUITS CROSSING EXPANSION JOINTS.
- SEE SHEET E404 FOR LIGHT POLE MOUNTING. COORDINATE CONDUIT RUNS AND BOLT PATTERNS WITH PRECASTER.
- GUARDRAILS SHALL BE BONDED TOGETHER AND GROUNDED. SEE DETAIL ON SHEET E502.

## SHEET KEYNOTES

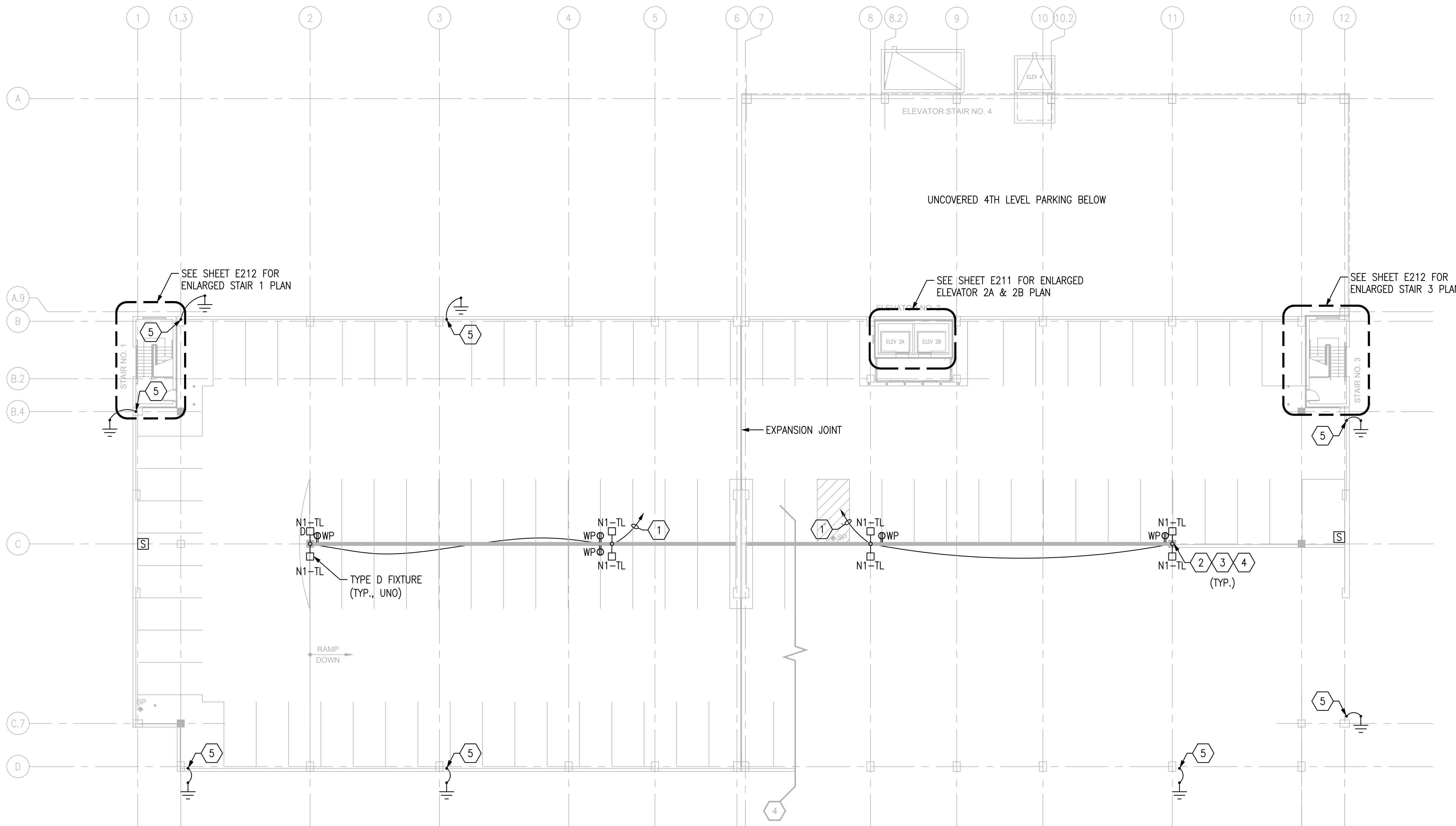
- HOMERUN TO PANEL ELP.
- HOMERUN TO CONTROL PANEL LCP.
- HOMERUN TO CONTROL PANEL TLCP.
- ORIENT THE POLE SUCH THAT THE HINGE MECHANISM IS OPERABLE FROM THE GARAGE DECK. ALSO ENSURE THAT THE FIXTURE MAY BE SERVICED FROM THE GARAGE DECK WHEN THE POLE IS LOWERED.
- CONNECT LIGHT POLE TO GROUND SYSTEM. SEE SHEET E200.
- SEE DETAILS ON SHEET E400. CONDUIT FOR LIGHT POLES SHALL BE CAST IN PRECASTER. SURFACE MOUNTED CONDUIT FOR TOP LEVEL IS NOT ACCEPTABLE.
- BOND GUARDRAIL TO DOWN CONDUCTOR.
- BOND GUARDRAIL TO PEDESTRIAN CONTROL GRILLE.
- CONDUITS FOREIGN TO THE THE TELECOM ROOM SHALL NOT BE ROUTED THROUGH THE TELECOM ROOM BELOW. THIS INCLUDES BUT IS NOT LIMITED TO GARAGE LIGHTING CONDUITS AND GENERAL GARAGE RECEPTACLES.



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FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

Dwg. File	ARCHITECT/ENGINEERS:	Chad J. Frelick, PE Florida Reg. 73811	CONSULTANTS:	Approved:	Drawing Title	Project Title	Date
	<b>AKEA INC.</b> 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017		<b>WALKER</b> PARKING CONSULTANTS 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5800 Ph 813.888.5825 Fax BE-0003840 www.walkerparking.com	Asst. Chief, Engineering Service Engineering Bldg. Maint. Foreman Engineering Operation Foreman Engineering Health & Safety Engineering Planning & Analysis C.O.T.R.	<b>ELECTRICAL LIGHTING, POWER &amp; SYSTEMS PLAN - FOURTH LEVEL</b>	<b>CONSTRUCT 525 SPACE PARKING GARAGE</b> CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254	MARCH 26, 2015
Revisions		AKEA, INC.	SEAL		Approved: Chief, Engineering Service	Building Number 160	Project No. 621-330
					Approved: Service Chief	Checked CJF	DRAWING NO. <b>E203</b>
						Drawn KLL	Page 114 of 131
						Location VAMC MOUNTAIN HOME, TENNESSEE	



## SHEET NOTES

- SEE SHEET E001 FOR ADDITIONAL GENERAL NOTES.
- SEE SHEET E404 FOR LIGHT POLE MOUNTING. COORDINATE CONDUIT RUNS AND BOLT PATTERNS WITH PRECASTER.
- SEE SHEET E400 FOR LIGHTING FIXTURE SCHEDULE.
- SEE DETAILS ON SHEET E503 FOR ALL CONDUITS CROSSING EXPANSION JOINTS.
- GUARDRAILS SHALL BE BONDED TOGETHER AND GROUNDED. SEE DETAIL ON SHEET E502.

## SHEET KEYNOTES

- HOMERUN TO CONTROL PANEL TLCP.
- ORIENT THE POLE SUCH THAT THE HINGE MECHANISM IS OPERABLE FROM THE GARAGE DECK. ALSO ENSURE THAT THE FIXTURE MAY BE SERVICED FROM THE GARAGE DECK WHEN THE POLE IS LOWERED.
- CONNECT LIGHT POLE TO GROUND SYSTEM. SEE SHEET E200 AND E201.
- SEE DETAILS ON SHEET E400. CONDUIT FOR LIGHT POLES SHALL BE CAST IN CONCRETE. COORDINATE WITH PRECASTER. SURFACE MOUNTED CONDUIT FOR TOP LEVEL IS NOT ACCEPTABLE.
- BOND GUARDRAIL TO DOWN CONDUCTOR.

TOP LEVEL  
EL. 48'-5"

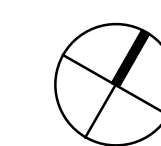
4TH LEVEL  
EL. 36'-9"

3RD LEVEL  
EL. 25'-1"

2ND LEVEL  
EL. 12'-10"

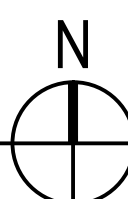
GROUND LEVEL  
EL. 0'-0"

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FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

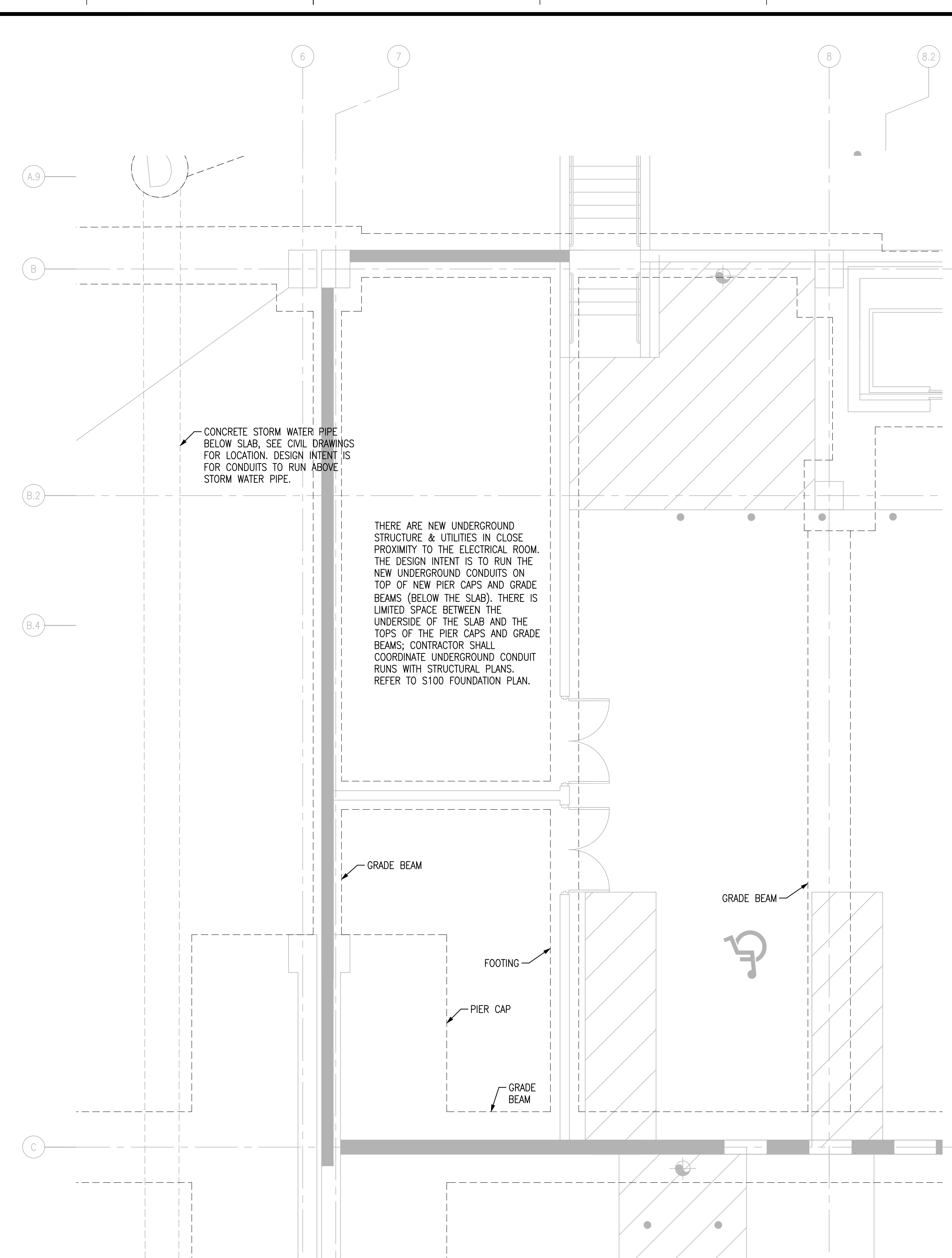
1 ELECTRICAL LIGHTING, POWER AND SYSTEMS PLAN - TOP LEVEL  
SCALE: 1/16" = 1'



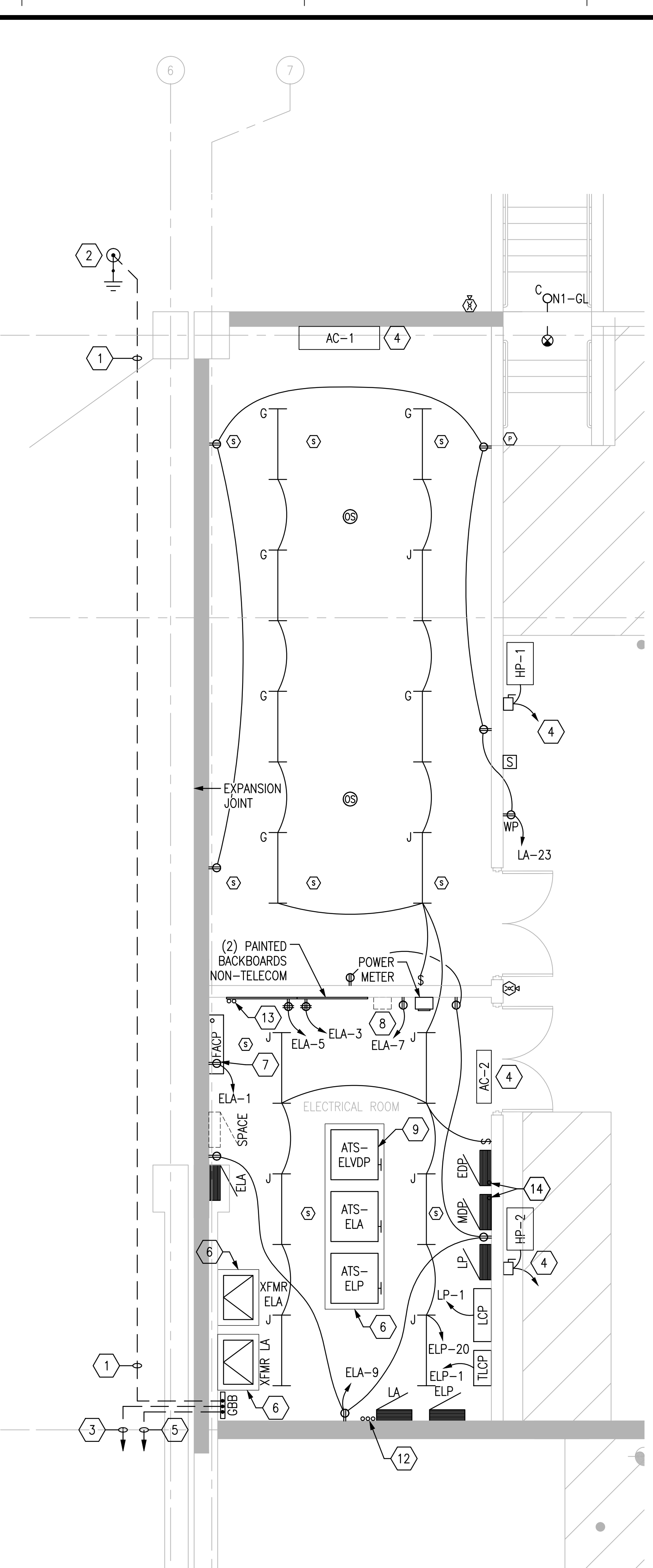
Dwg. File	ARCHITECT/ENGINEERS:	Chad J. Frelick, PE Florida Reg. 73811	CONSULTANTS:	Approved:	Drawing Title	Project Title	Date
	<b>AKEA INC.</b> 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017		<b>WALKER</b> PARKING CONSULTANTS 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5800 Ph 813.888.5822 Fax BE-0003840 www.walkerparking.com	Asst. Chief, Engineering Service Engineering Bldg. Maint. Foreman Engineering Operation Foreman Engineering Health & Safety Engineering Planning & Analysis C.O.T.R.	<b>ELECTRICAL LIGHTING, POWER &amp; SYSTEMS PLAN - TOP LEVEL</b>	<b>CONSTRUCT 525 SPACE PARKING GARAGE</b> CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254	MARCH 26, 2015
		AKEA, INC.	SEAL		Approved: Chief, Engineering Service	Building Number 160	Project No. 621-330
					Approved: Service Chief	Checked CJF	DRAWING NO. <b>E204</b>
						Drawn KLL	Page 115 of 131
						Location VAMC MOUNTAIN HOME, TENNESSEE	



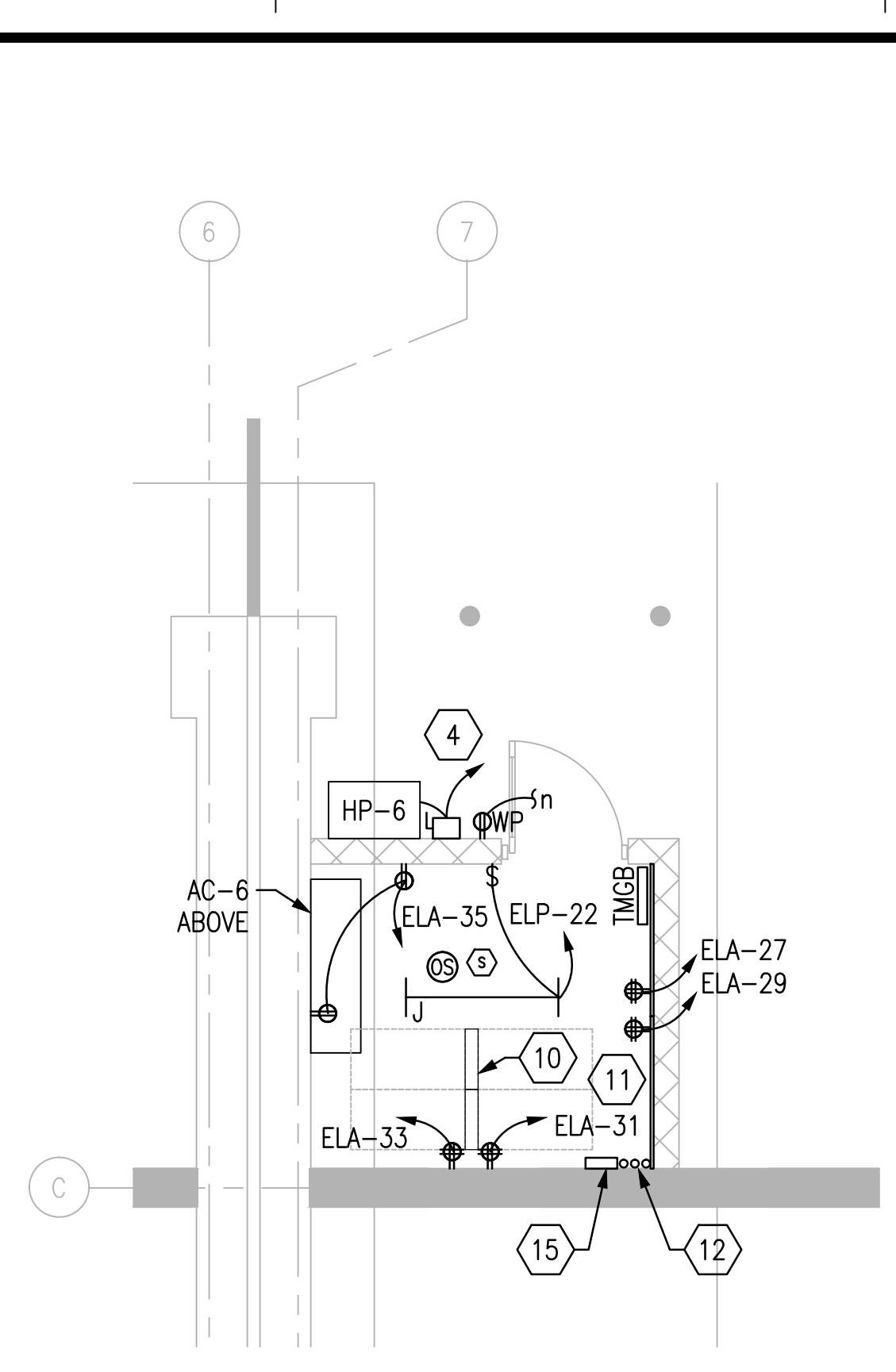
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one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot  
one-sixteenth inch = one foot



1 UNDERGROUND COORDINATION PLAN  
SCALE: 1/4" = 1'

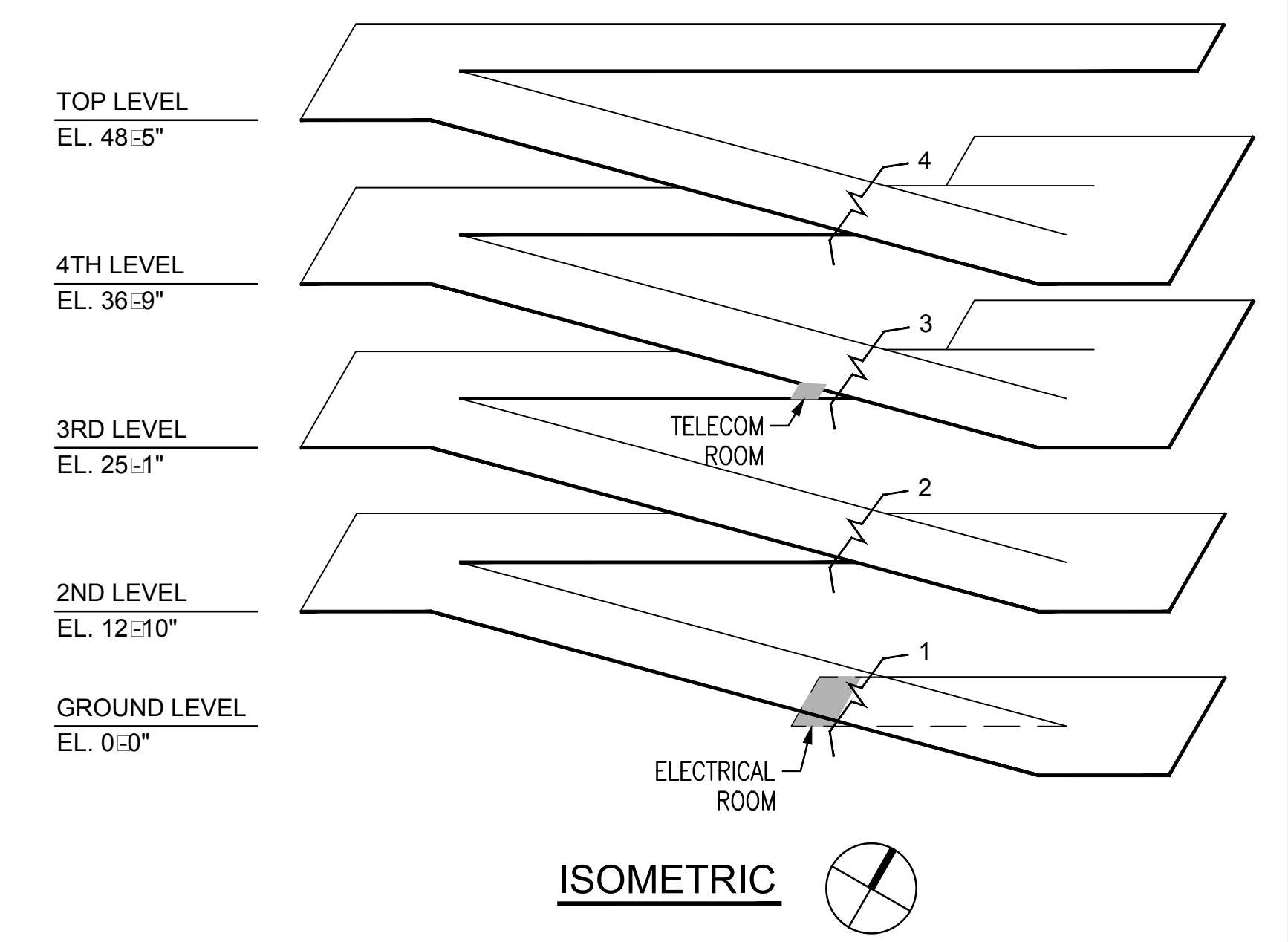


2 ENLARGED ELECTRICAL ROOM PLAN  
SCALE: 1/4" = 1'



3 ENLARGED TELECOM ROOM PLAN  
SCALE: 1/4" = 1'

- ### SHEET NOTES
- A. SEE SHEET E001 FOR ADDITIONAL GENERAL NOTES.
  - B. ALL EXPOSED RACEWAY ON STRUCTURE WALLS AND CEILINGS SHALL BE IMC OR RMC, NOT EMT, U.N.O. EMT CONDUIT MAY BE USED WITHIN THE CLIMATE-CONTROLLED ELECTRICAL ROOM.
  - C. SEE SHEET E400 FOR LIGHTING FIXTURE SCHEDULE.
  - D. SEE DETAILS ON SHEET E502 FOR ALL CONDUITS CROSSING EXPANSION JOINTS.
  - E. CONTRACTOR SHALL PROVIDE F/A DETECTOR SPACING IN ELECTRICAL ROOM, MAINTENANCE ROOM, AND TELECOM ROOM PER NFPA 72 FOR EXPOSED BEAM CEILING WHERE THE RATIO OF THE DISTANCE BETWEEN BEAMS TO CEILING HEIGHT IS GREATER THAN 0.4.
- ### SHEET KEYNOTES
- GEC PER GROUNDING DIAGRAM, SHEET E300.
  - DRIVEN GROUND ROD GROUNDING ELECTRODE(S). PROVIDE ONE INSPECTION WELL AT GROUND ROD(S) LOCATION. SEE DETAIL ON SHEET E50--.
  - BONDING JUMPER TO LIGHT POLE GROUNDING SYSTEM; REFER TO SHEET E200.
  - REFER TO EQUIPMENT SCHEDULE ON SHEET E500 FOR CIRCUIT AND DISCONNECT INFORMATION.
  - TO CONCRETE-ENCASED ELECTRODE AND OTHER ELECTRODES. SEE SHEET E300.
  - PROVIDE HOUSEKEEPING PAD FOR FLOOR-MOUNTED EQUIPMENT.
  - PROVIDE DEDICATED SURGE PROTECTIVE RECEPTACLE FOR FACP.
  - PROVIDE WALL SPACE FOR FUTURE INSTALLATION OF CAPACITY COUNTER.
  - THE DESIGN INTENT IS FOR THE ATS TO FACE EAST, TOWARDS PANELS MDP AND EDP (TYP. FOR 3 ATS UNITS).
  - SPACE FOR (2) FUTURE 19" RACKS WITH 3' CLEARANCE FRONT AND BACK.
  - PROVIDE (2) 4'X8'X3/4" PLYWOOD BACKBOARDS, PAINTED WITH FR PAINT.
  - APPROXIMATE RISER LOCATION FOR INCOMING TELEPHONE, DATA, AND (1) SPARE RACEWAY TO TELECOM ROOM.
  - STUB UP LOCATION FOR (2) SPARE SYSTEMS CONDUITS FROM UG PB. SEE RISER ON SHEET E302.
  - STUB UP SPARE POWER CONDUITS UNDER PANELS. SEE RISER ON SHEET E300.
  - PROVIDE WALL-MOUNTED FIBER OPTIC CABINET FOR PATCHING. SEE RISER ON SHEET E302.



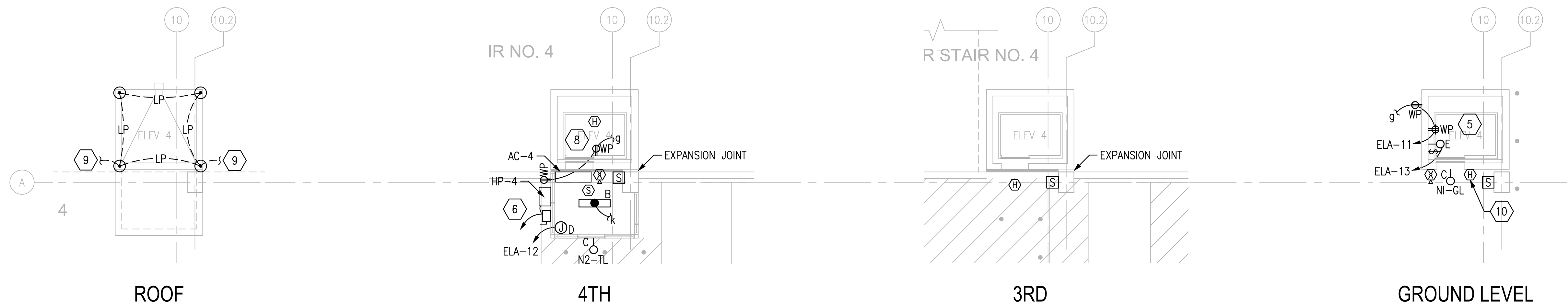
ISOMETRIC

FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

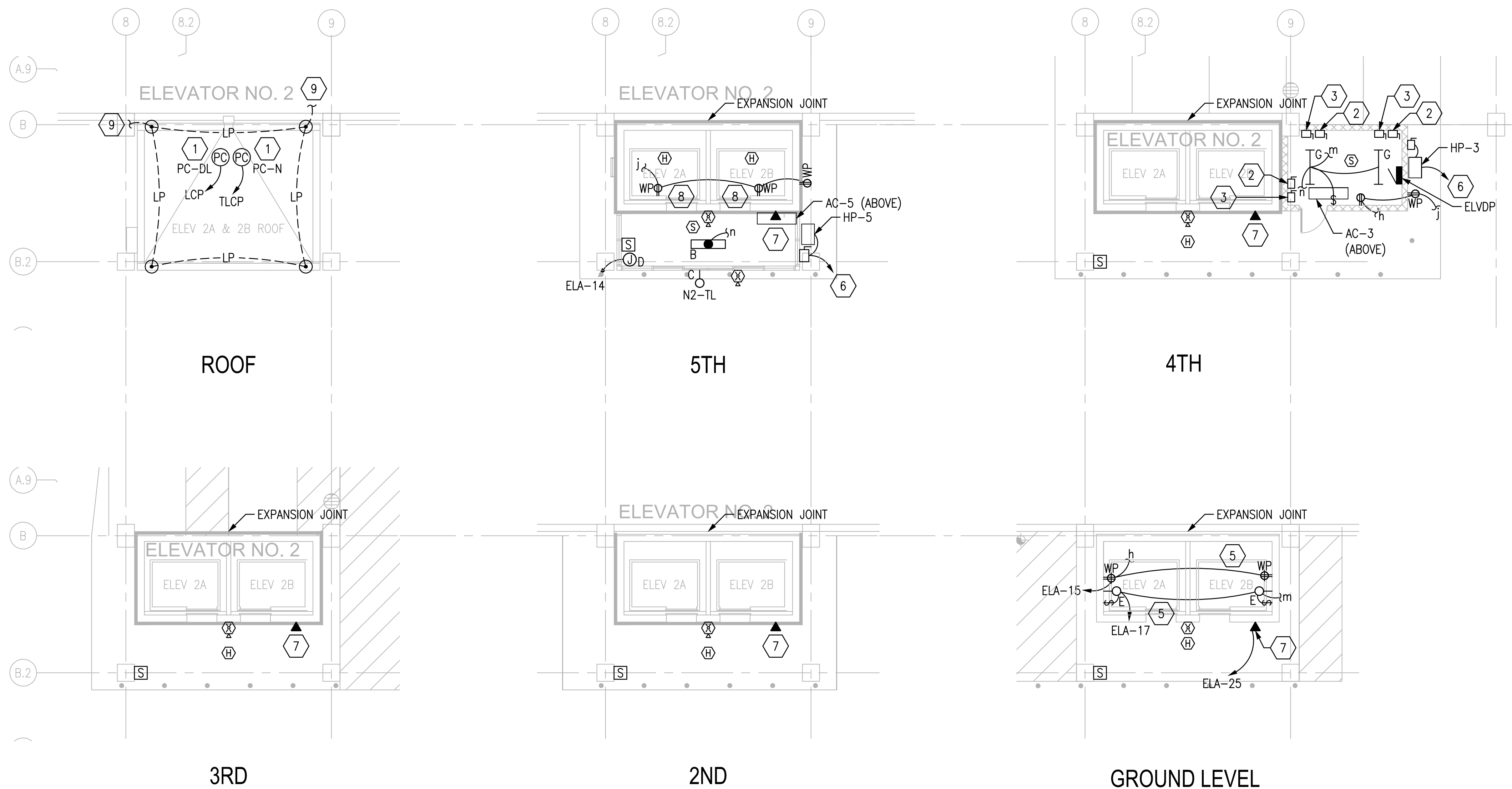
<b>Dwg. File</b> 	<b>ARCHITECT/ENGINEERS:</b> <b>AKEA INC.</b> 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017	<b>Chad J. Frolick, PE</b> Florida Reg. 73811	<b>CONSULTANTS:</b> <b>WALKER PARKING CONSULTANTS</b> 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5800 Ph 813.888.5822 Fax BE-0003840 www.walkerparking.com	<b>FRANK DAUCHTRY architect</b> 200 E. Government Street Suite 240-A Pensacola, FL 32502 Voice 850-433-3023 Fax 850-433-3025 Email frank@frankda.com	<b>Approved:</b> Asst. Chief, Engineering Service Engineering Bldg. Maint. Foreman Engineering Operation Foreman Engineering Health & Safety Engineering Planning & Analysis C.O.T.R.	<b>Drawing Title</b> <b>ENLARGED ELECTRICAL AND TELECOM ROOMS AND UNDERGROUND COORDINATION PLANS</b> Approved: Chief, Engineering Service Approved: Service Chief	<b>Project Title</b> <b>CONSTRUCT 525 SPACE PARKING GARAGE</b> CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254 Building Number 160 Checked CJF Drawn KLL Location VAMC MOUNTAIN HOME, TENNESSEE	<b>Date</b> MARCH 26, 2015 <b>Project No.</b> 621-330 <b>DRAWING NO.</b> <b>E210</b> Page 116 of 131	<b>Department of Veterans Affairs</b>
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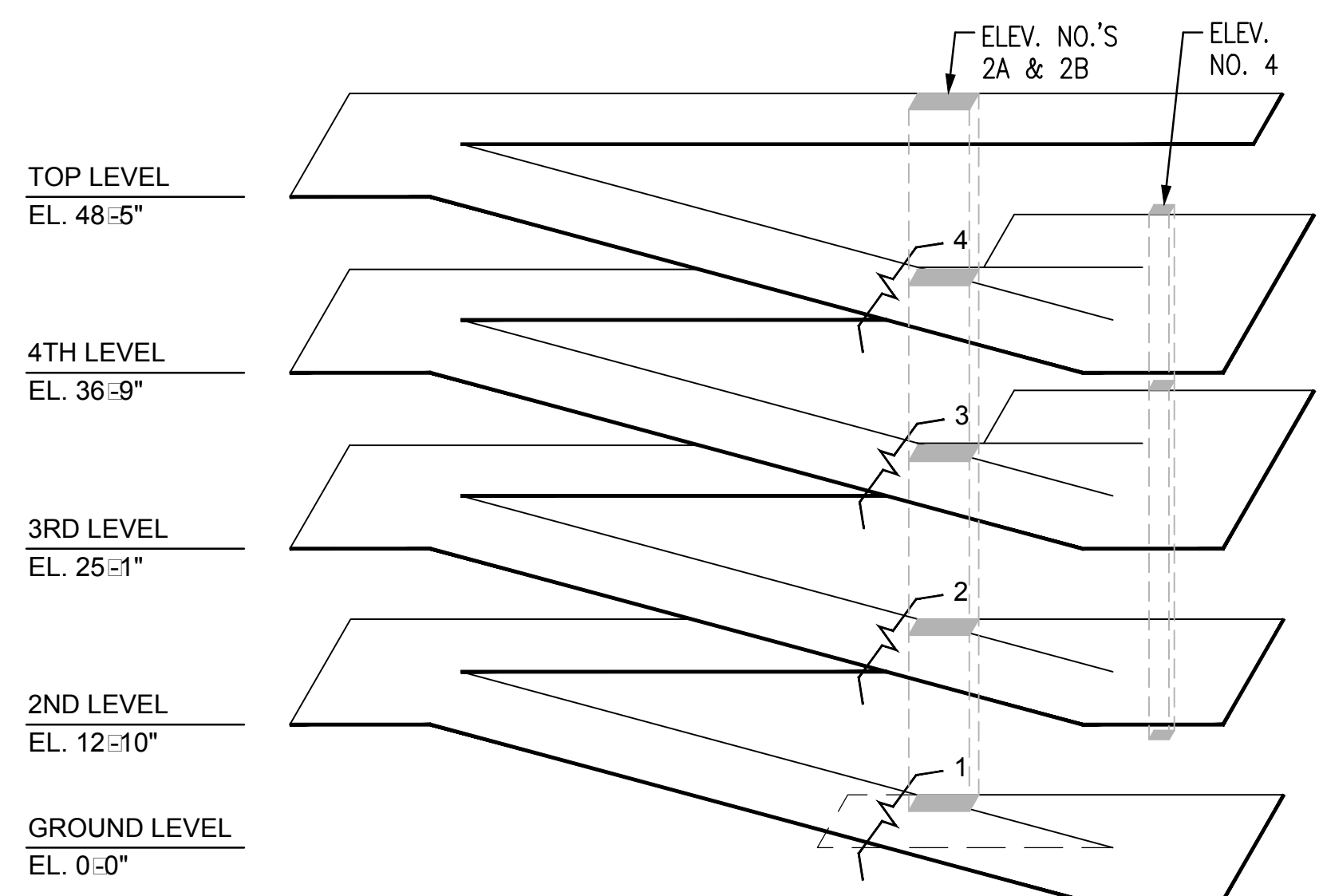
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one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot  
one-sixteenth inch = one foot



1 ENLARGED ELEVATOR NO. 4 ELECTRICAL PLANS  
SCALE: 1/8" = 1'



2 ENLARGED ELEVATORS NO. 2A & 2B ELECTRICAL PLANS  
SCALE: 1/8" = 1'



ISOMETRIC

FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

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- SHEET NOTES
- A. SEE SHEET E001 FOR ADDITIONAL GENERAL NOTES.

B. SEE SHEET E400 FOR LIGHTING FIXTURE SCHEDULE.

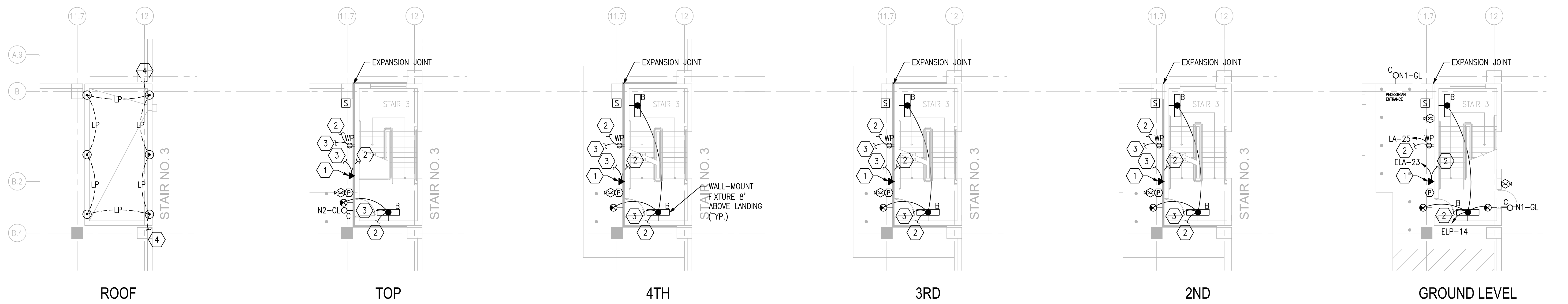
C. SEE DETAILS ON SHEET E503 FOR ALL CONDUITS CROSSING EXPANSION JOINTS.
- SHEET KEYNOTES

1. PROVIDE EMERGENCY PHONE AND ILLUMINATED SIGN. SEE SHEET E303.

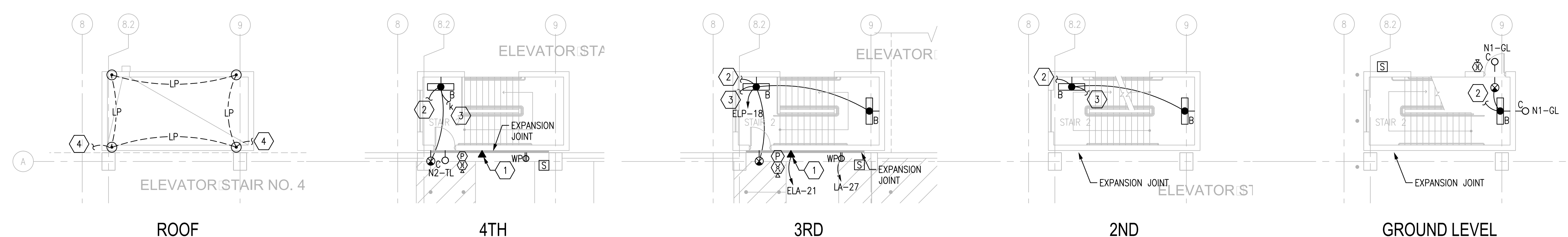
2. CONTINUE CIRCUIT TO FLOOR ABOVE.

3. CONTINUATION OF CIRCUIT FROM FLOOR BELOW.

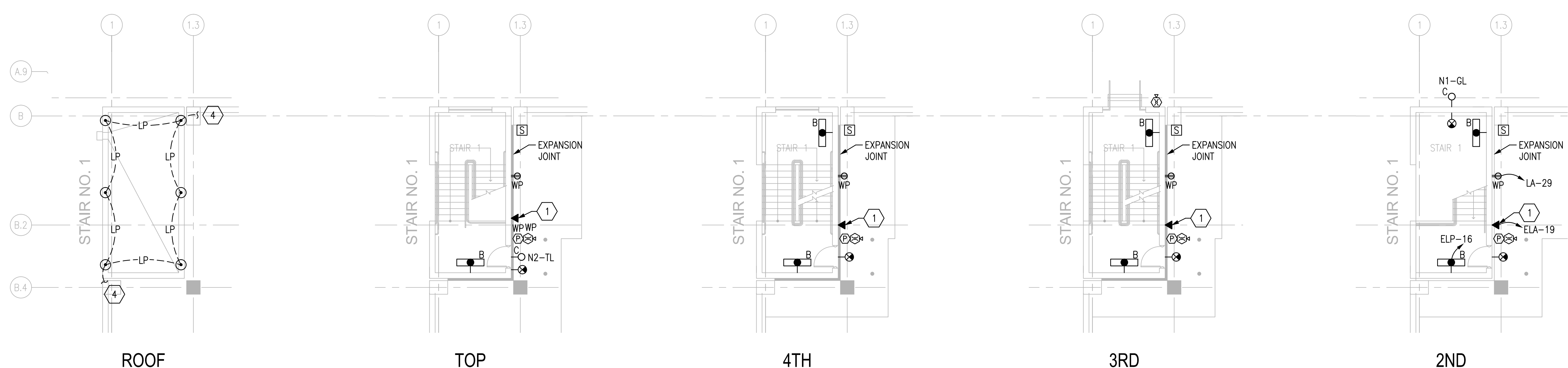
4. BOND TO NEAREST DOWN CONDUCTOR THIS SIDE.



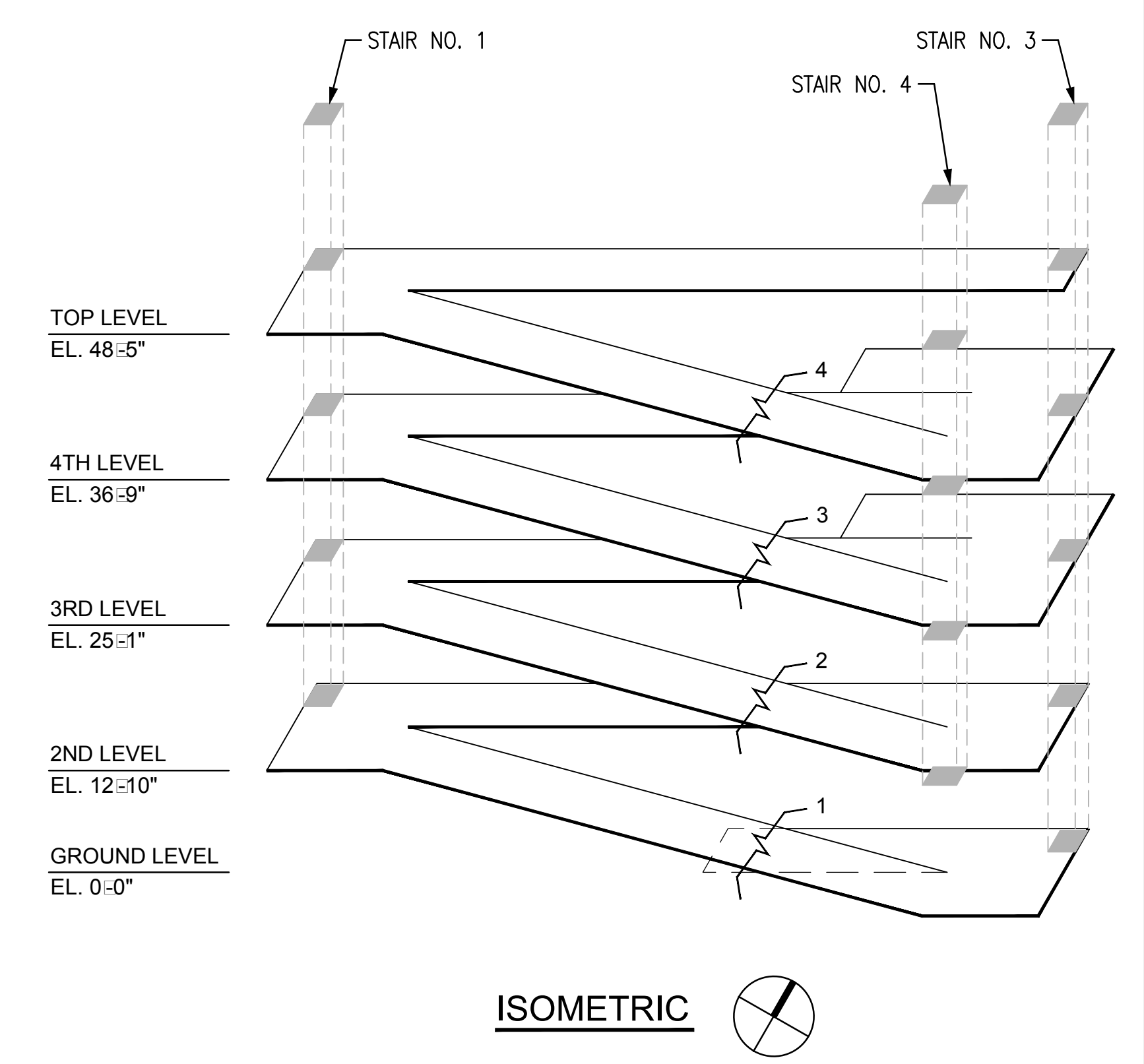
3 ENLARGED STAIR NO. 3 ELECTRICAL PLANS  
SCALE: 1/8" = 1'



2 ENLARGED STAIR NO. 4 ELECTRICAL PLANS  
SCALE: 1/8" = 1'



1 ENLARGED STAIR NO. 1 ELECTRICAL PLANS  
SCALE: 1/8" = 1'



ISOMETRIC

FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

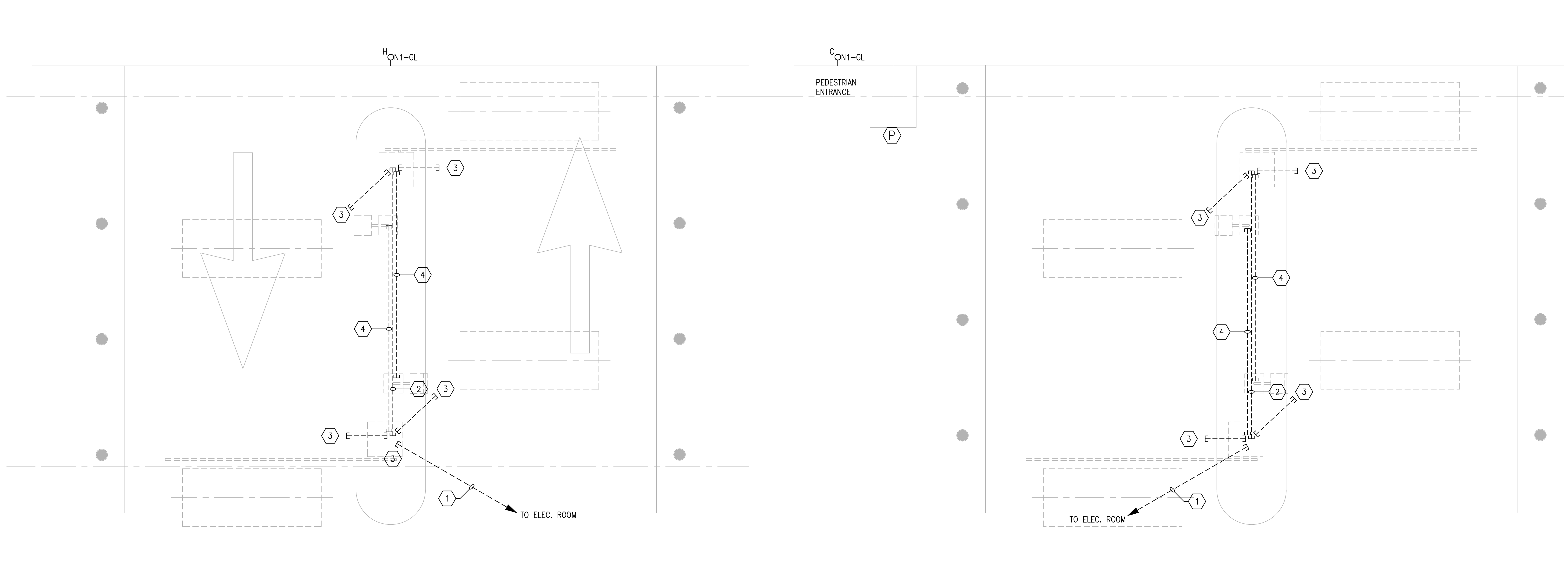
Dwg. File	ARCHITECT/ENGINEERS:	Chad J. Frolick, PE Florida Reg. 73811	CONSULTANTS:	Approved:	Drawing Title	Project Title	Date
	<b>AKEA INC.</b> 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017		<b>WALKER PARKING CONSULTANTS</b> 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5800 Ph 813.888.5822 Fax BE-0003840 www.walkerparking.com	Asst. Chief, Engineering Service Engineering Bldg. Maint. Foreman Engineering Operation Foreman Engineering Health & Safety Engineering Planning & Analysis C.O.T.R.	ENLARGED STAIR PLANS - ALL LEVELS	CONSTRUCT 525 SPACE PARKING GARAGE CONTRACT No. VA249-14-C-0150 Building Number 160 Checked CJF Drawn KLL Location VAMC MOUNTAIN HOME, TENNESSEE	MARCH 26, 2015 Project No. 621-330 DRAWING NO. E212 Page 118 of 131
Revisions	Date	AKEA, INC.	SEAL				

SHEET NOTES

- A. SEE SHEET E001 FOR ADDITIONAL GENERAL NOTES.
- B. SEE SHEETS E200 AND E201 FOR EXACT ENTRANCE LOCATIONS.
- C. SEE SHEET E400 FOR LIGHTING FIXTURE SCHEDULE.
- D. STUB UP LOCATIONS SHALL CORRESPOND TO DIMENSIONS OF FUTURE EQUIPMENT SHOWN ON SHEET AG501.

SHEET KEYNOTES

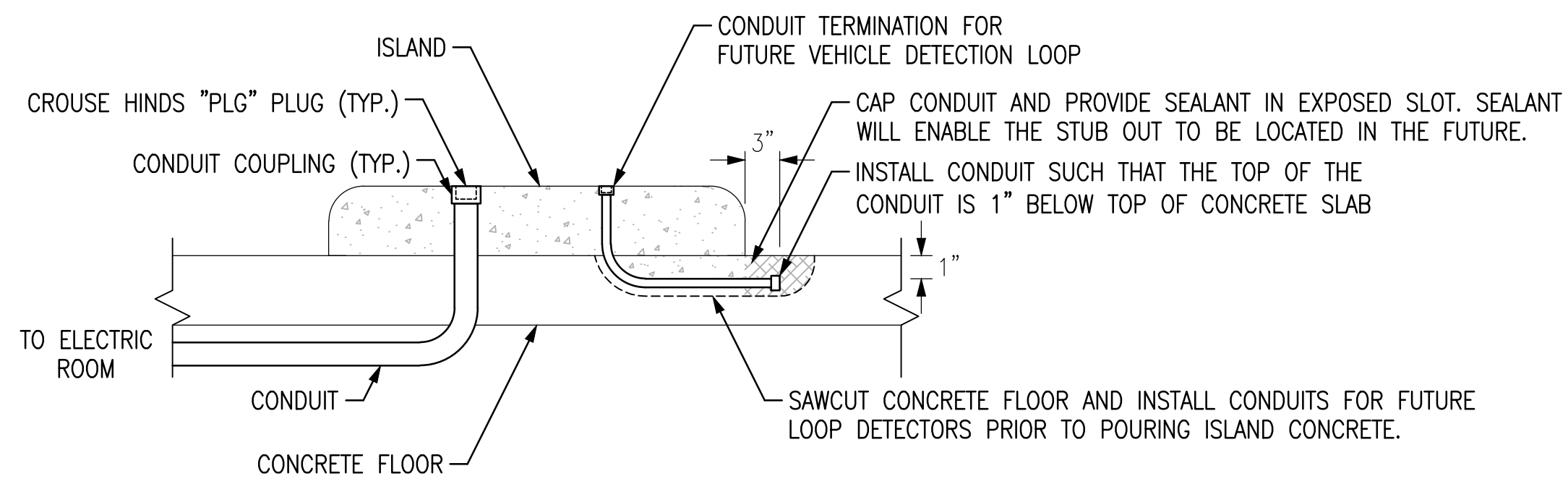
1. (2) 2" TO BACKBOARD IN ELEC. ROOM AND (1) 1" TO PNL. ELA IN ELEC. ROOM. STUB UP CONDUITS BELOW EQUIPMENT INDICATED. LABEL CONDUIT STUB UPS.
2. (1) 2" AND (1) 1".
3. PROVIDE 3/4" STUBBED OUT BEYOND EDGE OF ISLAND CURB, IN DIRECTION OF FUTURE VEHICLE LOOPS. SEE DETAIL 2, THIS SHEET.
4. PROVIDE 3/4" TO FUTURE KEYPAD/CARDREADER LOCATION.



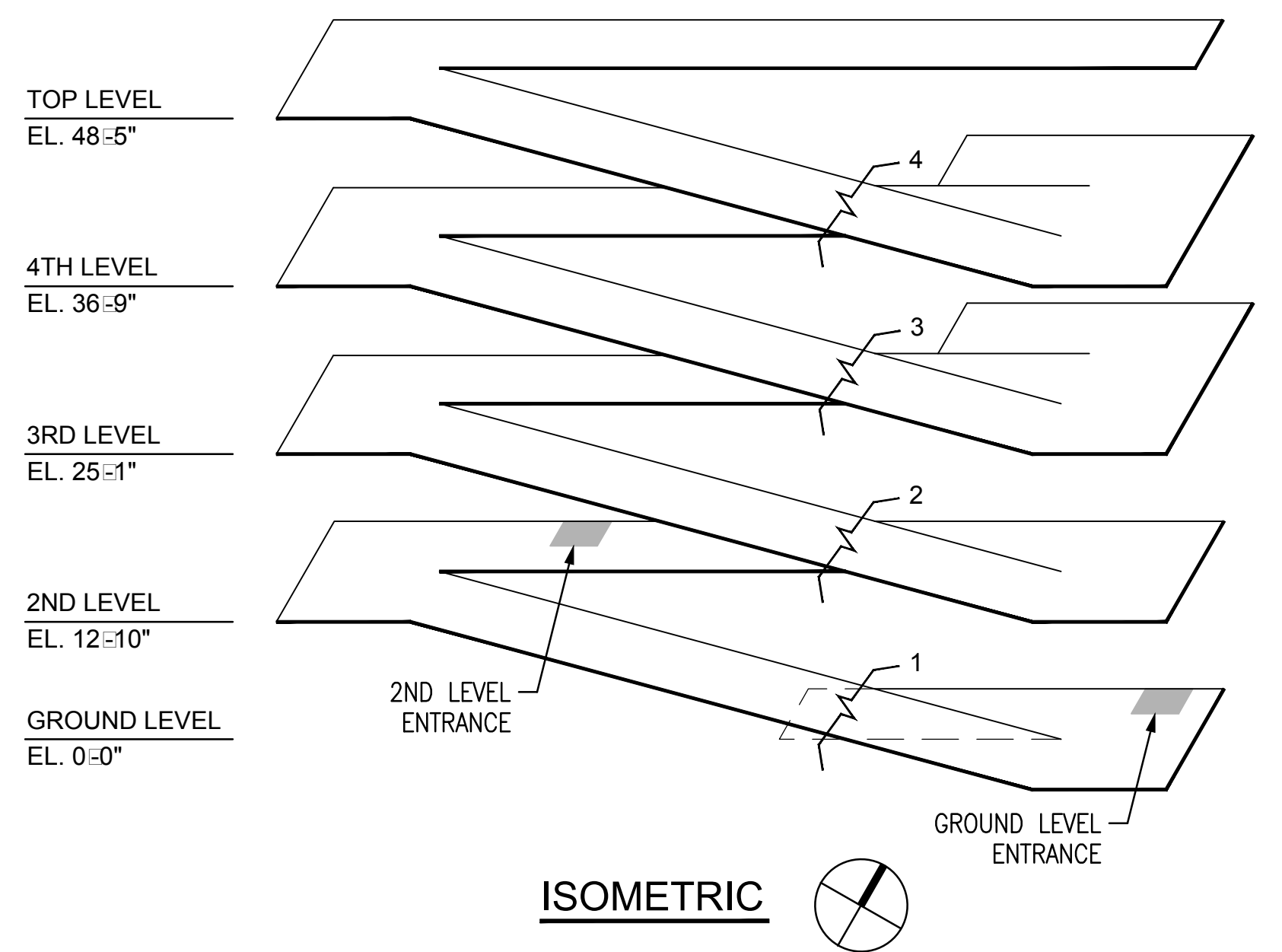
SECOND LEVEL ENTRANCE

GROUND LEVEL ENTRANCE

1 ENLARGED ENTRANCE PLANS - GROUND AND SECOND LEVELS  
SCALE: 1/2" = 1'



2 FUTURE DETECTION LOOP PROVISIONS DETAIL  
N.T.S.

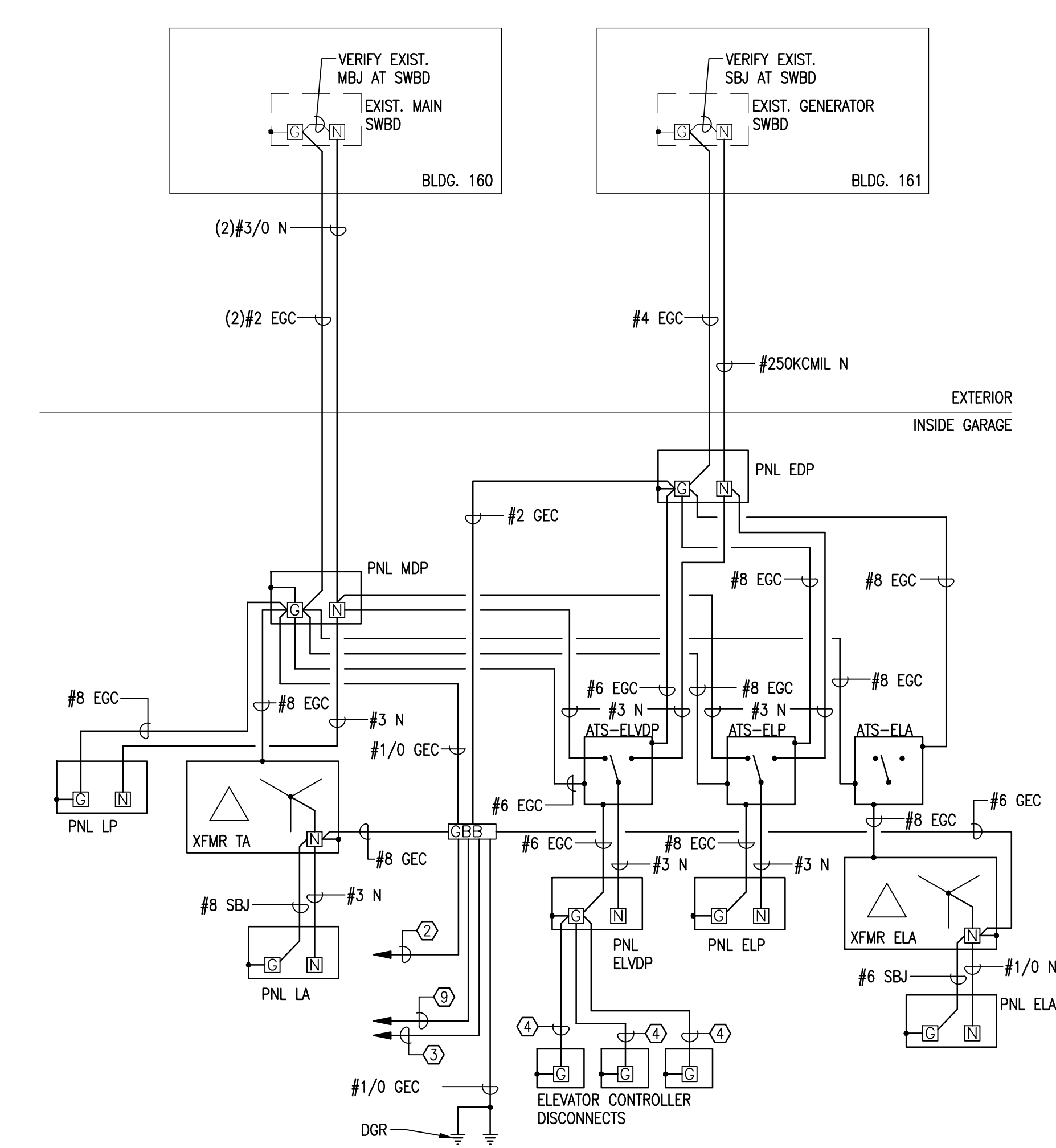


FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

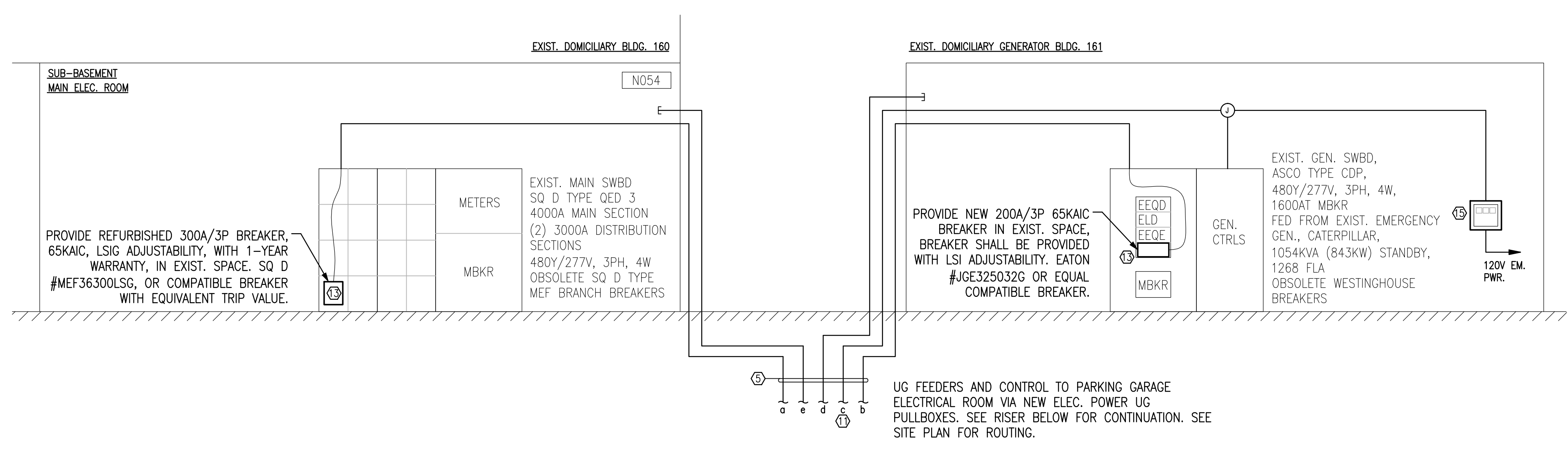
Dwg. File	ARCHITECT/ENGINEERS:	Chad J. Frolick, PE Florida Reg. 73811	CONSULTANTS:	Approved:	Drawing Title	Project Title	Date
	<b>AKEA INC.</b> 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017		<b>WALKER</b> PARKING CONSULTANTS 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5800 Ph 813.888.5822 Fax BE-0003840 www.walkerparking.com	Asst. Chief, Engineering Service Engineering Bldg. Maint. Foreman Engineering Operation Foreman Engineering Health & Safety Engineering Planning & Analysis C.O.T.R.	<b>ENLARGED ENTRANCE PLANS - GROUND AND SECOND LEVELS</b>	<b>CONSTRUCT 525 SPACE PARKING GARAGE</b> CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254	MARCH 26, 2015
Revisions		AKEA, INC.	SEAL		Approved: Chief, Engineering Service	Building Number 160	Project No. 621-330
					Approved: Service Chief	Checked CJF	DRAWING NO. <b>E213</b>
						Drawn KLL	Page 119 of 131
						Location VAMC MOUNTAIN HOME, TENNESSEE	



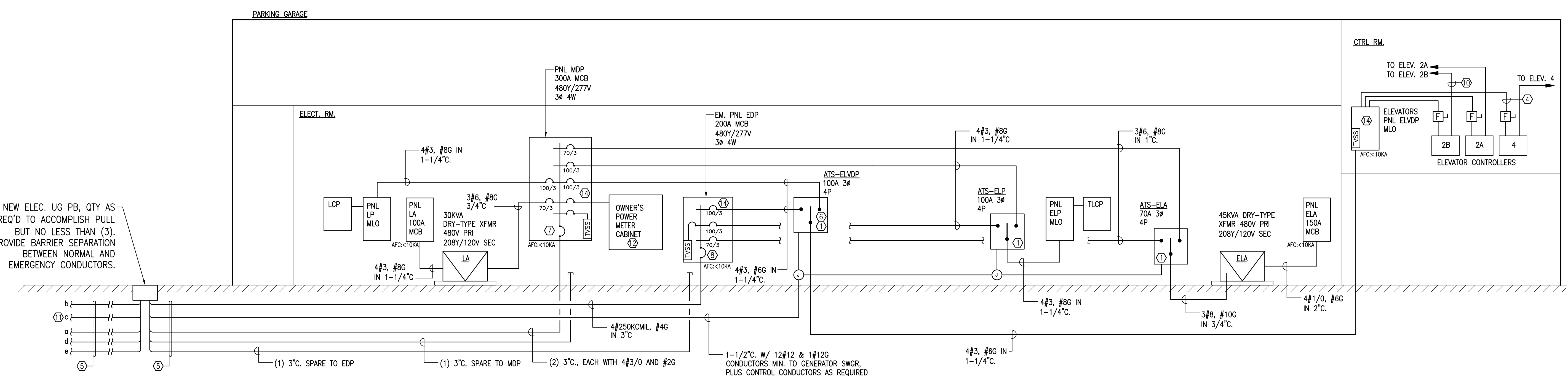
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one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot



3 GROUNDING SYSTEM DETAIL  
N.T.S.



1 POWER RISER DIAGRAM (PARTIAL, SEE BELOW)  
N.T.S.



2 POWER RISER DIAGRAM (PARTIAL, SEE ABOVE)  
N.T.S.

SHEET NOTES

- A. SEE SHEET E001 FOR ADDITIONAL GENERAL NOTES.
- B. ALL TURN UPS AND UNDERGROUND BENDS SHALL BE PVC-COATED RGS LONG RADIUS SWEEPS. FINAL RISERS BETWEEN TURN UPS AND EQUIPMENT SHALL ALSO BE RGS.
- C. SEE FLOOR PLANS FOR EXPANSION JOINT LOCATIONS.
- D. PROVIDE WARNING TAPE ABOVE BURIED CONDUITS PER SPECS.

SHEET KEYNOTES

- 1. ATS SHALL BE BYPASS ISOLATION TYPE PER VA SPECIFICATIONS. PROVIDE EACH ATS UNIT WITH (2) NORMALLY OPEN DRY CONTACTS FOR EMERGENCY POWER TRANSFER SIGNAL TO GENERATOR CONTROLLER. ONE CONTACT SHALL CLOSE TO SIGNAL EM. POWER IS PRESENT. ONE CONTACT SHALL CLOSE TO GIVE 30 SECOND PRE-SIGNAL OF TRANSFER.
- 2. BOND TO TMGB IN TELECOM ROOM.
- 3. TO LIGHT POLE GROUNDING SYSTEM. SEE SHT E200.
- 4. PROVIDE OVERSIZED EGC PER APPROVED ELEVATOR EQUIPMENT SUBMITTAL, BUT NOT LESS THAN AS SHOWN IN EQUIP. SCHEDULE ON SHEET E500.
- 5. PROVIDE IN CONCRETE DUCT BANK. SEE SHEET E101.
- 6. CONNECT ATS TO ELEVATOR CONTROLLERS PER SPECS.
- 7. PROVIDE SIGN THAT READS "MAIN DISC. 1 OF 2".
- 8. PROVIDE PERMANENT SIGN INDICATING EMERGENCY POWER SOURCE LOCATION. ALSO, PROVIDE SIGN THAT READS "MAIN DISC. 2 OF 2".
- 9. BOND TO CONCRETE ENCASED ELECTRODE PER NEC 250.52 AND OTHER ELECTRODES AS REQUIRED.
- 10. PROVIDE RACEWAY FOR CONDUCTORS BETWEEN CONTROLLERS AND MOTORS. COORDINATE REQUIREMENTS WITH ELEVATOR EQUIPMENT SHOP DRAWINGS.
- 11. PROVIDE CONDUIT FOR ATS CONTROL CONDUCTORS AS REQUIRED.
- 12. OWNER'S ELECTRIC POWER METER ENCLOSURE INSTALLED ADJACENT TO PNL MDP. SEE POWER METER DETAIL ON SHT E501.
- 13. CONTRACTOR SHALL COORDINATE WITH CUSTOM SWITCHGEAR MANUFACTURER REGARDING BREAKER INSTALLATION REQUIREMENTS AND SHALL PROVIDE MODIFICATIONS AND ADAPTER KITS AS REQUIRED TO ACCOMPLISH INSTALLATION.
- 14. BREAKERS FEEDING INDIVIDUAL ELEVATOR CONTROLLERS SHALL BE COORDINATED WITH NORMAL AND EMERGENCY UPSTREAM BREAKERS PER NEC. PROVIDE ADJUSTABILITY ON BRANCH AND UPSTREAM BREAKERS AS REQUIRED TO ENSURE COORDINATION IS ACHIEVED. SUBMIT COORDINATION PLOTS WITH RECOMMENDED SETTINGS WITH PANELBOARD AND BREAKER SUBMITTALS.
- 15. PROVIDE REMOTE ATS ANUNCIATOR (SINGLE DEVICE FOR ALL GARAGE ATS UNITS) IN GENERATOR ROOM. COORDINATE LOCATION WITH VA. COMMUNICATION FROM GARAGE ATS UNITS TO REMOTE ANUNCIATOR SHALL BE VIA SERIAL COMMUNICATION USING RS-485 CABLE. PROVIDE COMMUNICATION INTERFACE AS REQUIRED BY MANUFACTURER. PROVIDE POWER SUPPLY(ES) AND CIRCUIT FROM NEAREST EXISTING 120V EMERGENCY CIRCUIT IN GENERATOR ROOM.

FINAL CONSTRUCTION DRAWINGS  
APPROVED FOR CONSTRUCTION

Dwg. File	ARCHITECT/ENGINEERS: <b>AKEA INC.</b> 3603 NW 98TH ST., SUITE B GAINESVILLE, FLORIDA 32606 PH: (352) 474-6124 FAX: (352) 474-6324 CERT OF AUTH: FL #26693 EXPIRES: 02/28/2017	Chad J. Frolick, PE Florida Reg. 73811	CONSULTANTS: <b>WALKER</b> PARKING CONSULTANTS 4904 Eisenhower Blvd Suite 150 Tampa, FL 33634 813.888.5900 Ph 813.888.5822 Fax BE-0003840 www.walkerparking.com	FRANK DAUCHTRY architect 200 E. Government Street Suite 240-A Pensacola, FL 32502 Voice 850-433-3023 Fax 850-433-3025 Email frank@frankda.com	Approved: Asst. Chief, Engineering Service Engineering Bldg. Maint. Foreman Engineering Operation Foreman Engineering Health & Safety Engineering Planning & Analysis C.O.T.R.	Drawing Title <b>POWER RISER AND GROUNDING DIAGRAMS</b>	Project Title <b>CONSTRUCT 525 SPACE PARKING GARAGE</b> CONTRACT No. VA249-14-C-0150 P.O. No. 621C40254	Date MARCH 26, 2015 Project No. 621-330 DRAWING NO. <b>E300</b> Page 120 of 131	Building Number <b>160</b> Checked CJF Drawn KLL Location VAMC MOUNTAIN HOME, TENNESSEE	Department of Veterans Affairs
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