

ENGINEERING MEP CONSULTING ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188 FAX: 407-767-5772 WWW.SGMENGINEERING.COM COPYRIGHT © 2018 SGM ENGINEERING, INC.

. Orange County Convention Center WEST CONCOURSE 9800 INTERNATIONAL DR. ORLANDO, FL 32819

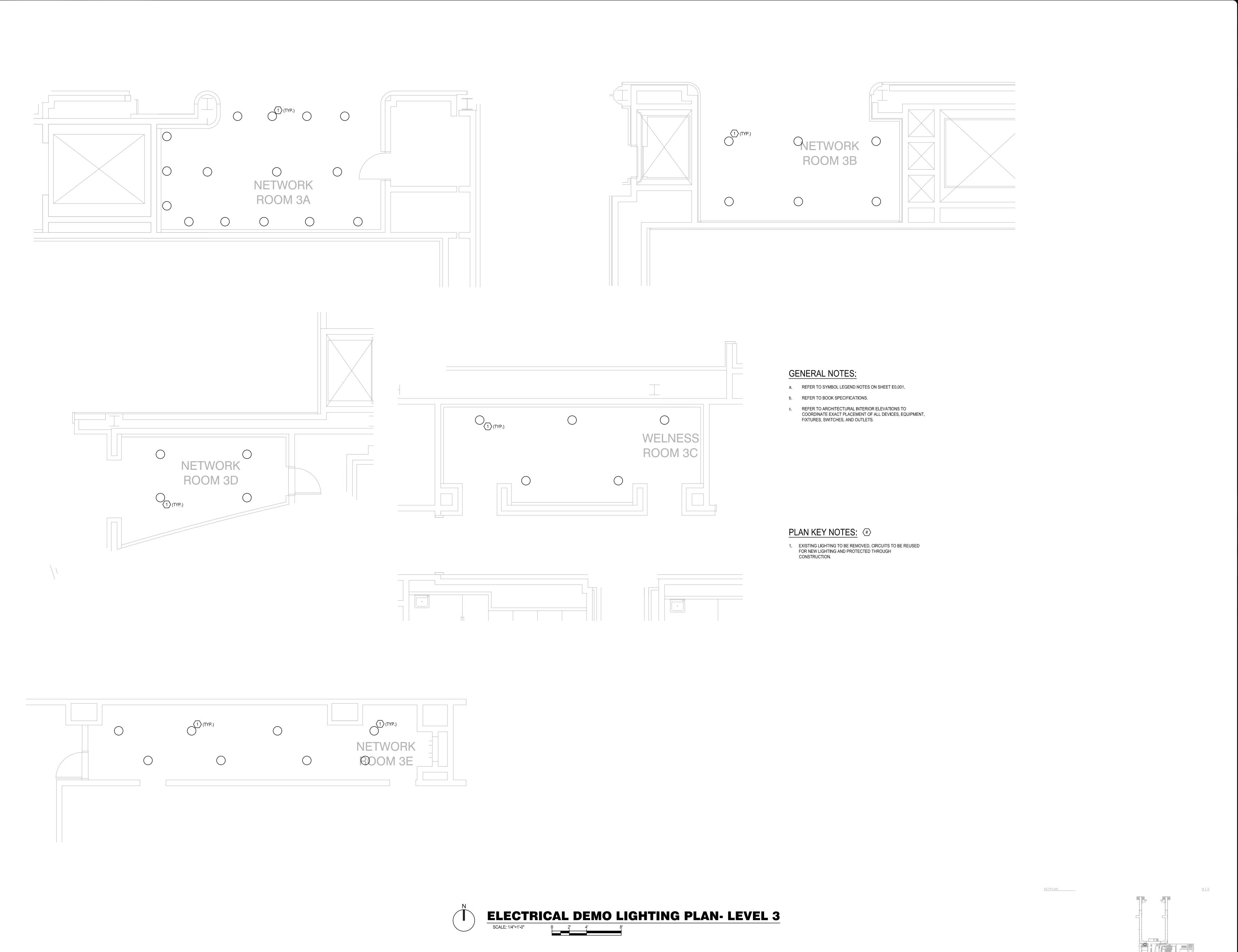
Description

OCCC NETWORK WELLNESS ROOM BUILDOUTS WEST BUILDING

Project Number: 2018-167 Checked By: Engineer of Record: License Number:

ELECTRICAL DEMO LIGHTING PLAN- LEVEL 2

ED2.002



SGNEERINGS
ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
COPYRIGHT © 2018 SGM ENGINEERING, INC.

Orange County
Convention Center

WEST CONCOURSE
9800 INTERNATIONAL DR.
ORLANDO, FL 32819

Issue: 03-19-19 100% BID DOCUMENTS

No. Date Description

OCCC NETWORK
WELLNESS ROOM
BUILDOUTS
WEST
BUILDING

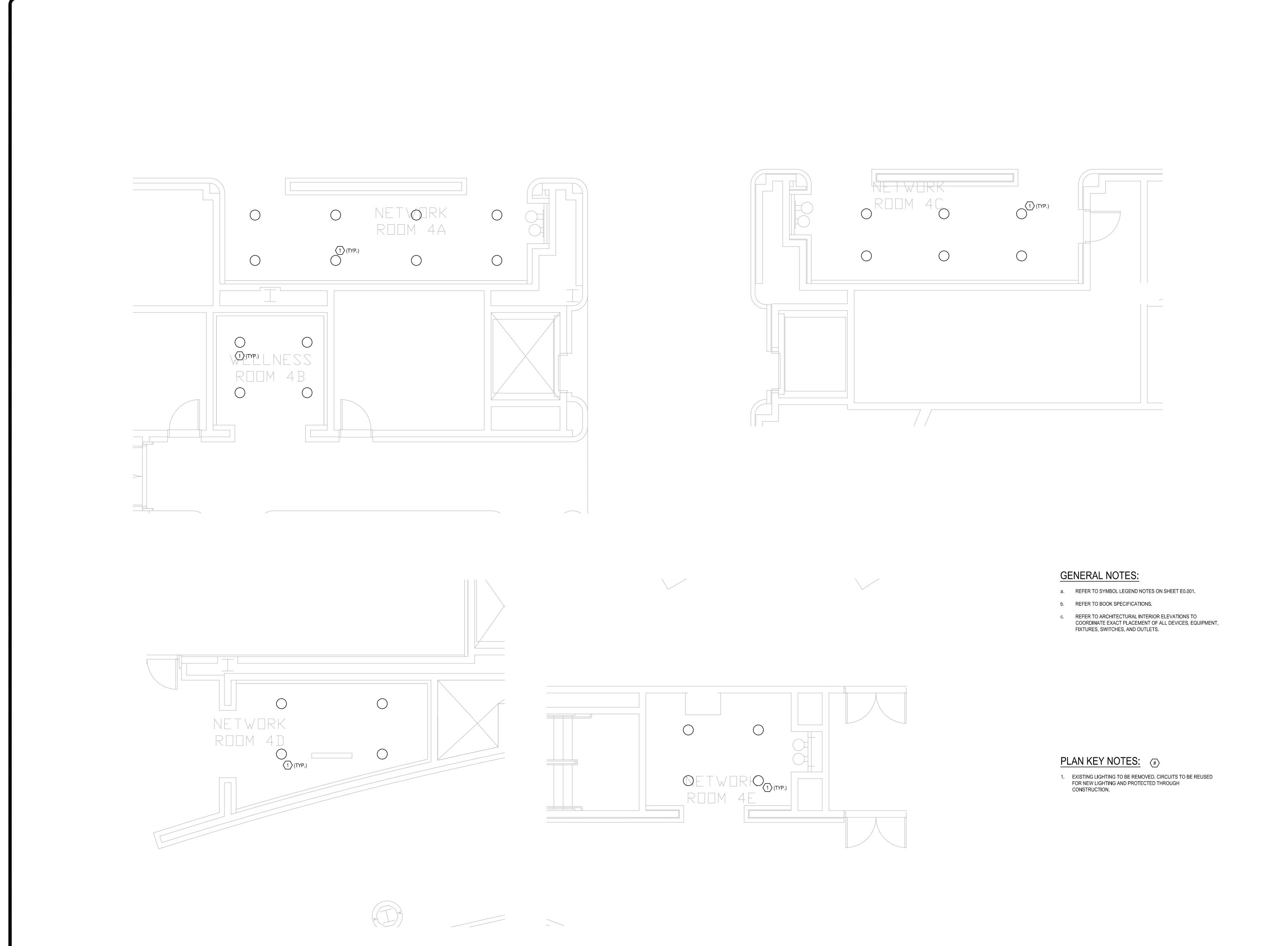
Project Number: 2018-167		Drawing File Name: 1600-FD201-2018167
2010-1	07	1000 20201 2010107
Scale:	AS SHOWN	Seal:
Design By:	MEII	Seal: OWE NOTE OF THE SEA OF T
Drawn By:	MEII	INC. CICENSE SE
Checked By:	MEII	う No. 70700 に
		★ ★
Engineer of Re	ecord:	STATE OF
JUSTIN L. MUNDELL		TORION WI
License Number:		The Color of Color of the Color
FL70700		William CONAL FINDING

Sheet Name:

ELECTRICAL DEMO LIGHTING PLAN- LEVEL 3

t Number:

ED2.003



SGNERINGS
ENGINEERINGS
MEP CONSULTING ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
COPYRIGHT © 2018 SGM ENGINEERING, INC.

Client Name:

Crange County
Convention Center

WEST CONCOURSE
9800 INTERNATIONAL DR.
ORLANDO, FL 32819

Issue: 03-19-19 100% BID DOCUMENTS

Date Description

Project Name:

OCC NETWORK
WELLNESS ROOM
BUILDOUTS
WEST
BUILDING

Project Number:
2018–167

Scale: AS SHOWN

Design By: MEII

Drawn By: MEII

Checked By: MEII

Engineer of Record:
JUSTIN L. MUNDELL

License Number:
FL70700

Drawing File Name:
1600–ED201–2018167

Seal:
1600–ED201–2018167

No. 70700

Sheet Name:

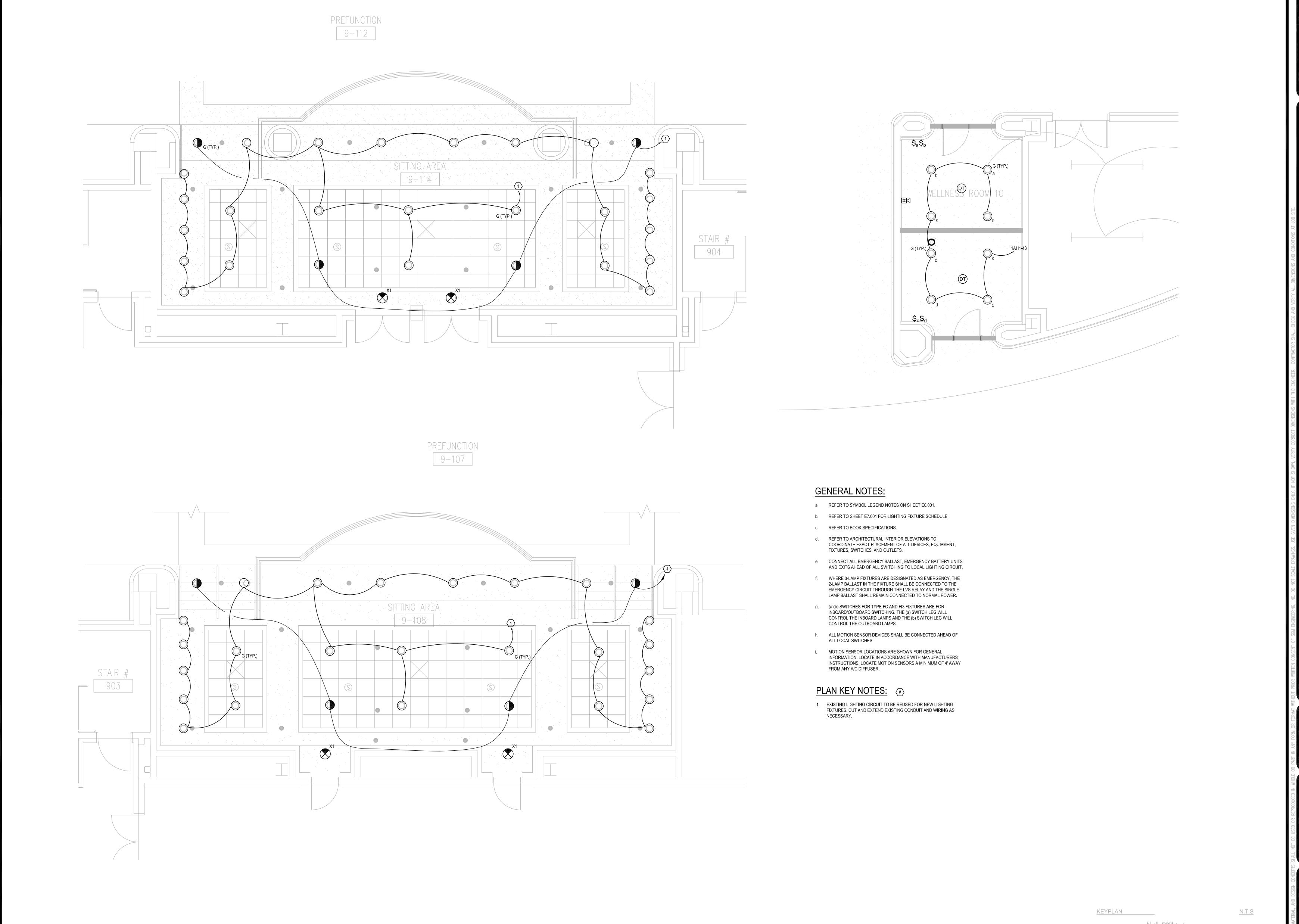
ELECTRICAL DEMO LIGHTING PLAN- LEVEL 4

Number:

ED2.004

ELECTRICAL DEMO LIGHTING PLAN- LEVEL 4

SCALE: 1/4"=1'-0" 0 2' 4' 8'



KEYPLAN N.T.S

SGNERINGS
ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
COPYRIGHT © 2018 SGM ENGINEERING, INC.

Orange County
Convention Center

WEST CONCOURSE
9800 INTERNATIONAL DR.
ORLANDO, FL 32819

Issue: 03-19-19 100% BID DOCUMENTS

No. Date Description

OCCC NETWORK
WELLNESS ROOM
BUILDOUTS
WEST
BUILDING

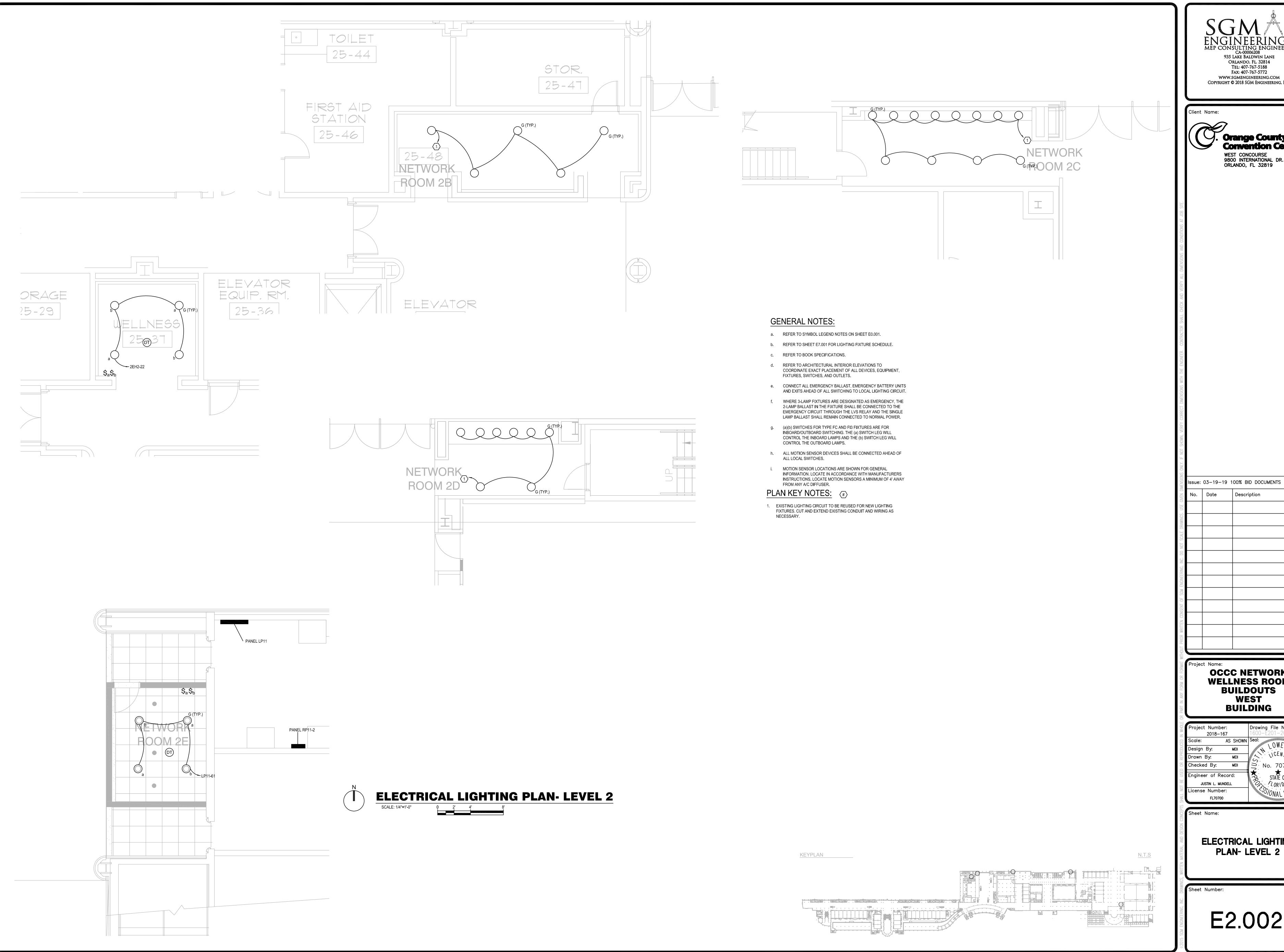
Project Number: 2018–167		Drawing File Name: 1600-E201-2018167
Scale:	AS SHOWN	Seal:
Design By:	MEII	THINK LOWE MUNICIPALITY
Drawn By:	MEII	Seal: OWE CENSE CONTROL CON
Checked By:	MEII	🤌 No. 70700
Engineer of Re	cord:	STATE OF
JUSTIN L. MUNDELL		STATE OF CORIDA CONTINUED
License Number:		MINISTONAL ENGLISH
FL70700)	White was a second of the seco

heet Name:

ELECTRICAL LIGHTING PLAN- LEVEL 1

Number:

E2.001



ENGINEERINGS
MEP CONSULTING ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188 FAX: 407-767-5772 WWW.SGMENGINEERING.COM COPYRIGHT © 2018 SGM ENGINEERING, INC.

. Orange County Convention Center WEST CONCOURSE 9800 INTERNATIONAL DR. ORLANDO, FL 32819

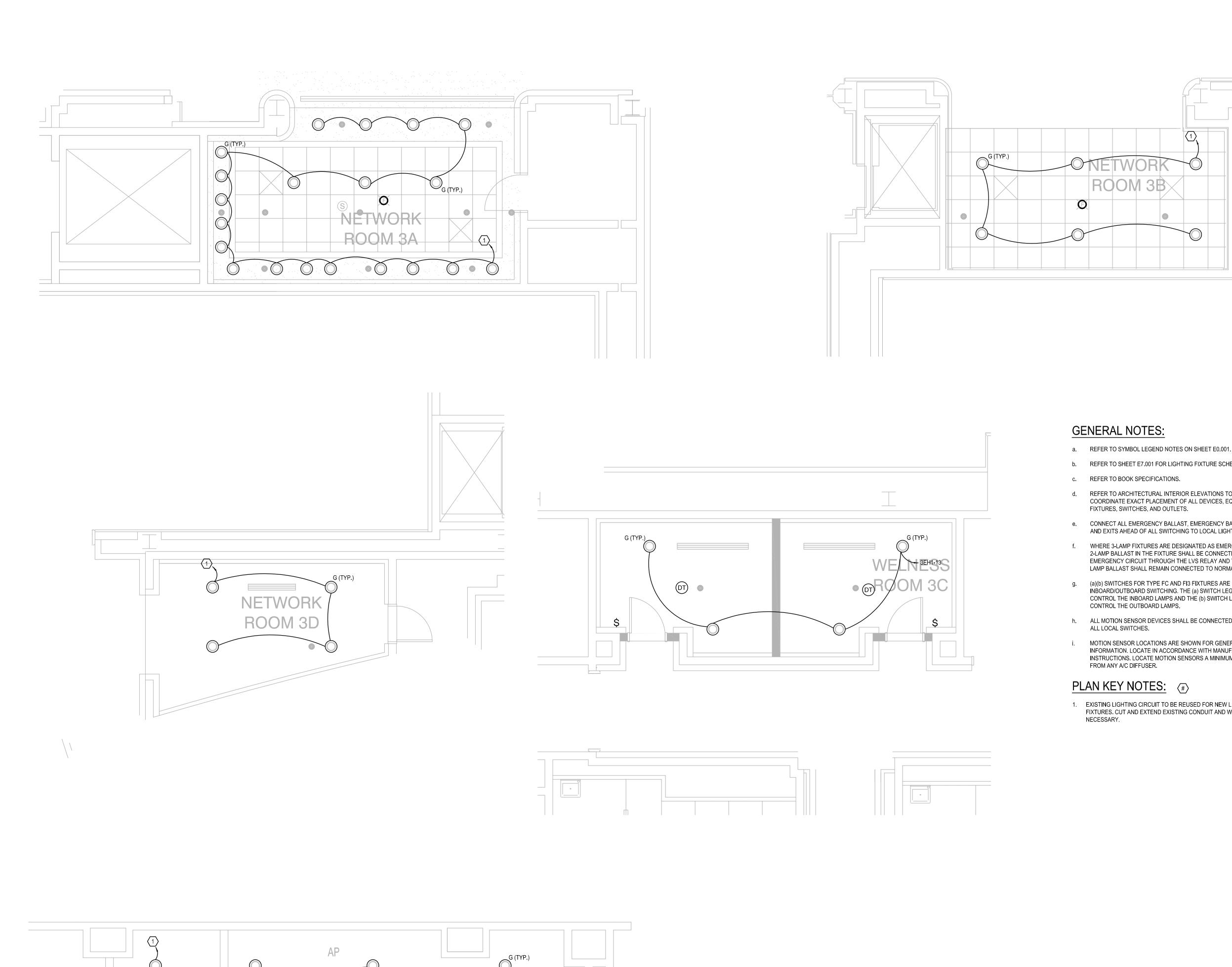
No. Date Description

> **OCCC NETWORK WELLNESS ROOM BUILDOUTS WEST BUILDING**

Project Numbe 2018-10	67	Drawing File Name: 1600-E201-2018167
Scale:	AS SHOWN	Seal:
Design By:	MEII	Seal: OWE MUMILIANIAN LICENSE
Drawn By:	MEII	IN THENSE SO
Checked By:	MEII	→ No. 70700 ←
Engineer of Re	cord:	STATE OF CY ORIDA CHILING
License Numbe	NUELL	TORIDA CHAMILIA
	· ·	MAL ENGHAM
FL70700		William Manual Control

ELECTRICAL LIGHTING PLAN- LEVEL 2

E2.002



MEP CONSULTING ENGINEERS CA-00006208 935 LAKE BALDWIN LANE Orlando, Fl. 32814 Tel: 407-767-5188 FAX: 407-767-5772 WWW.SGMENGINEERING.COM COPYRIGHT © 2018 SGM ENGINEERING, INC.

Orange County
Convention Center WEST CONCOURSE 9800 INTERNATIONAL DR. ORLANDO, FL 32819

Issue: 03-19-19 100% BID DOCUMENTS

•	Date	Description

OCCC NETWORK WELLNESS ROOM BUILDOUTS WEST BUILDING

0			
IN WHOLE	■ 2018_167 I		Drawing File Name: 1600-E201-2018167
	Scale:	AS SHOWN	Seal: LICENSE WILLIAM
REPRODUCED	Design By:	MEII	THINK LOWE MUNICIPALITY
	Drawn By:	MEII	NCENSE
OR (Checked By:	MEII) No. 70700
BE USED	Engineer of Rec	ord:	STATE OF
	JUSTIN L. MUND	ELL	TORIDA W
NOT	License Number	:	SOMAL ENGLISHING
HALL	FL70700		STATE OF STA

ELECTRICAL LIGHTING PLAN- LEVEL 3

E2.003

ELECTRICAL LIGHTING PLAN- LEVEL 3 SCALE: 1/4"=1'-0"

b. REFER TO SHEET E7.001 FOR LIGHTING FIXTURE SCHEDULE.

c. REFER TO BOOK SPECIFICATIONS.

d. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES, AND OUTLETS.

e. CONNECT ALL EMERGENCY BALLAST, EMERGENCY BATTERY UNITS AND EXITS AHEAD OF ALL SWITCHING TO LOCAL LIGHTING CIRCUIT.

f. WHERE 3-LAMP FIXTURES ARE DESIGNATED AS EMERGENCY, THE 2-LAMP BALLAST IN THE FIXTURE SHALL BE CONNECTED TO THE EMERGENCY CIRCUIT THROUGH THE LVS RELAY AND THE SINGLE LAMP BALLAST SHALL REMAIN CONNECTED TO NORMAL POWER.

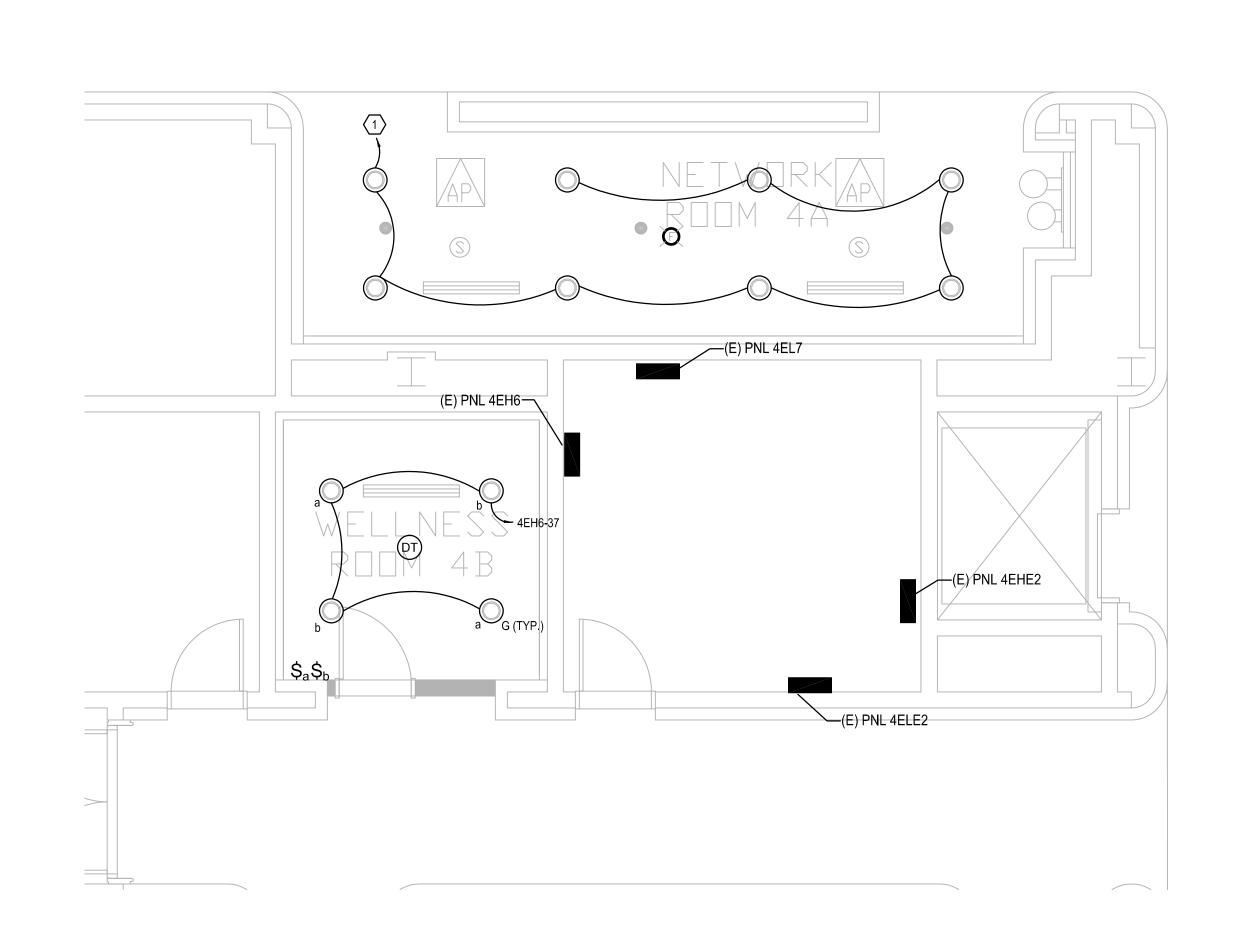
g. (a)(b) SWITCHES FOR TYPE FC AND FI3 FIXTURES ARE FOR INBOARD/OUTBOARD SWITCHING. THE (a) SWITCH LEG WILL CONTROL THE INBOARD LAMPS AND THE (b) SWITCH LEG WILL CONTROL THE OUTBOARD LAMPS.

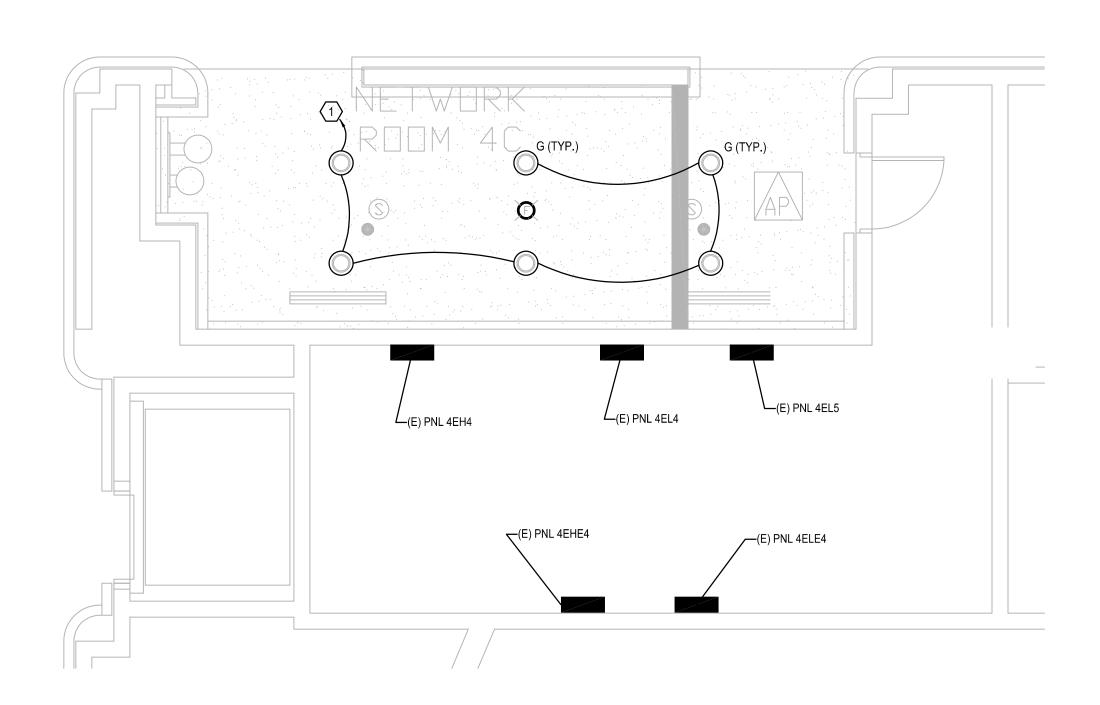
h. ALL MOTION SENSOR DEVICES SHALL BE CONNECTED AHEAD OF ALL LOCAL SWITCHES.

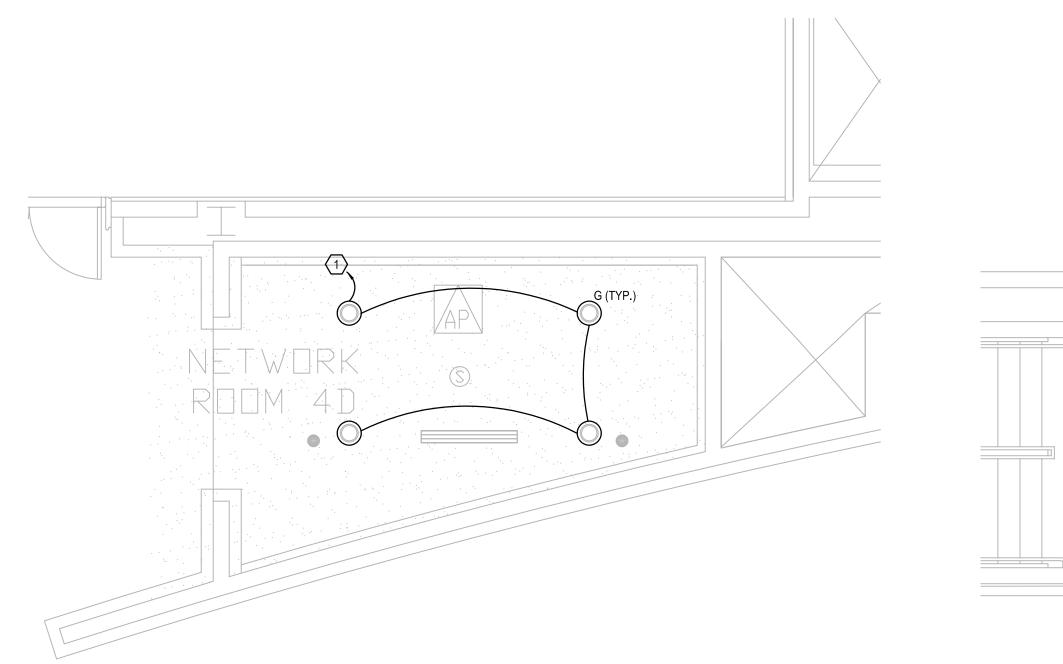
i. MOTION SENSOR LOCATIONS ARE SHOWN FOR GENERAL INFORMATION. LOCATE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. LOCATE MOTION SENSORS A MINIMUM OF 4' AWAY

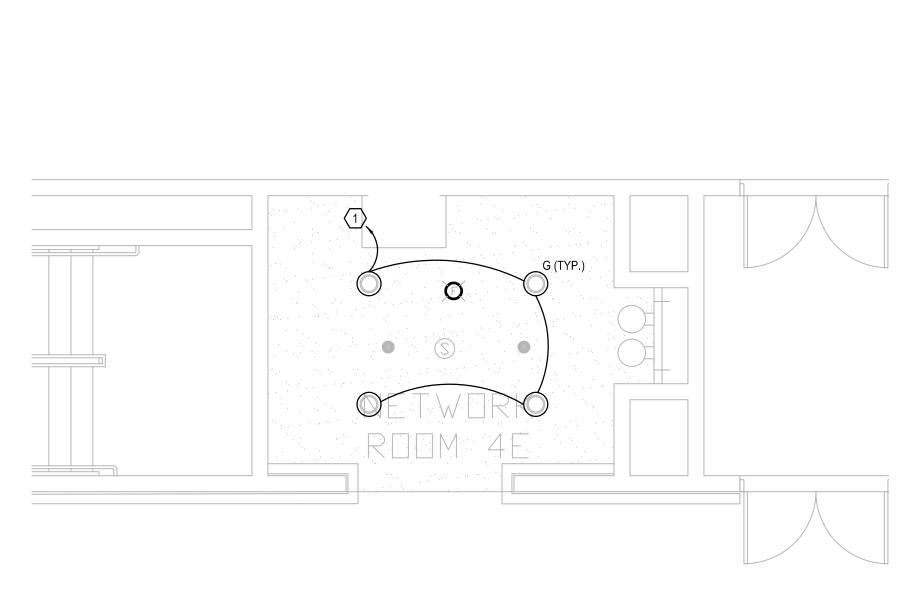
PLAN KEY NOTES: (#)

1. EXISTING LIGHTING CIRCUIT TO BE REUSED FOR NEW LIGHTING FIXTURES. CUT AND EXTEND EXISTING CONDUIT AND WIRING AS NECESSARY.















- a. REFER TO SYMBOL LEGEND NOTES ON SHEET E0.001.
- b. REFER TO SHEET E7.001 FOR LIGHTING FIXTURE SCHEDULE.
- c. REFER TO BOOK SPECIFICATIONS.
- REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES, AND OUTLETS.
- e. CONNECT ALL EMERGENCY BALLAST, EMERGENCY BATTERY UNITS AND EXITS AHEAD OF ALL SWITCHING TO LOCAL LIGHTING CIRCUIT.
- f. WHERE 3-LAMP FIXTURES ARE DESIGNATED AS EMERGENCY, THE 2-LAMP BALLAST IN THE FIXTURE SHALL BE CONNECTED TO THE EMERGENCY CIRCUIT THROUGH THE LVS RELAY AND THE SINGLE LAMP BALLAST SHALL REMAIN CONNECTED TO NORMAL POWER.
- g. (a)(b) SWITCHES FOR TYPE FC AND FI3 FIXTURES ARE FOR INBOARD/OUTBOARD SWITCHING. THE (a) SWITCH LEG WILL CONTROL THE INBOARD LAMPS AND THE (b) SWITCH LEG WILL CONTROL THE OUTBOARD LAMPS.
- h. ALL MOTION SENSOR DEVICES SHALL BE CONNECTED AHEAD OF ALL LOCAL SWITCHES.
- MOTION SENSOR LOCATIONS ARE SHOWN FOR GENERAL INFORMATION. LOCATE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. LOCATE MOTION SENSORS A MINIMUM OF 4' AWAY FROM ANY A/C DIFFUSER.

PLAN KEY NOTES: (#)

 EXISTING LIGHTING CIRCUIT TO BE REUSED FOR NEW LIGHTING FIXTURES. CUT AND EXTEND EXISTING CONDUIT AND WIRING AS NECESSARY. SGNERING SENGINEERS CA-00006208

935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
COPYRIGHT © 2018 SGM ENGINEERING, INC.

Orange County
Convention Center

WEST CONCOURSE
9800 INTERNATIONAL DR.
ORLANDO, FL 32819

ο.	Date	Description

Issue: 03-19-19 100% BID DOCUMENTS

Name:
OCCC NETWORK
WELLNESS ROOM
BUILDOUTS
WEST
BUILDING

45		
Project Number 2018-1		Drawing File Name: 1600-E201-201816
Scale:	AS SHOWN	Seal:
Design By:	MEII	Seal: OWE MUNICIPALITY OF THE PROPERTY OF THE
Drawn By:	MEII	IN THE NOT IN
Checked By:	MEII	No. 70700
Engineer of Record:		STATE OF
JUSTIN L. MUNDELL		STATE OF CY ORIDA WAR
License Number:		MILLOS/ONAL ENGLIS
FI 70700		WAL THINK

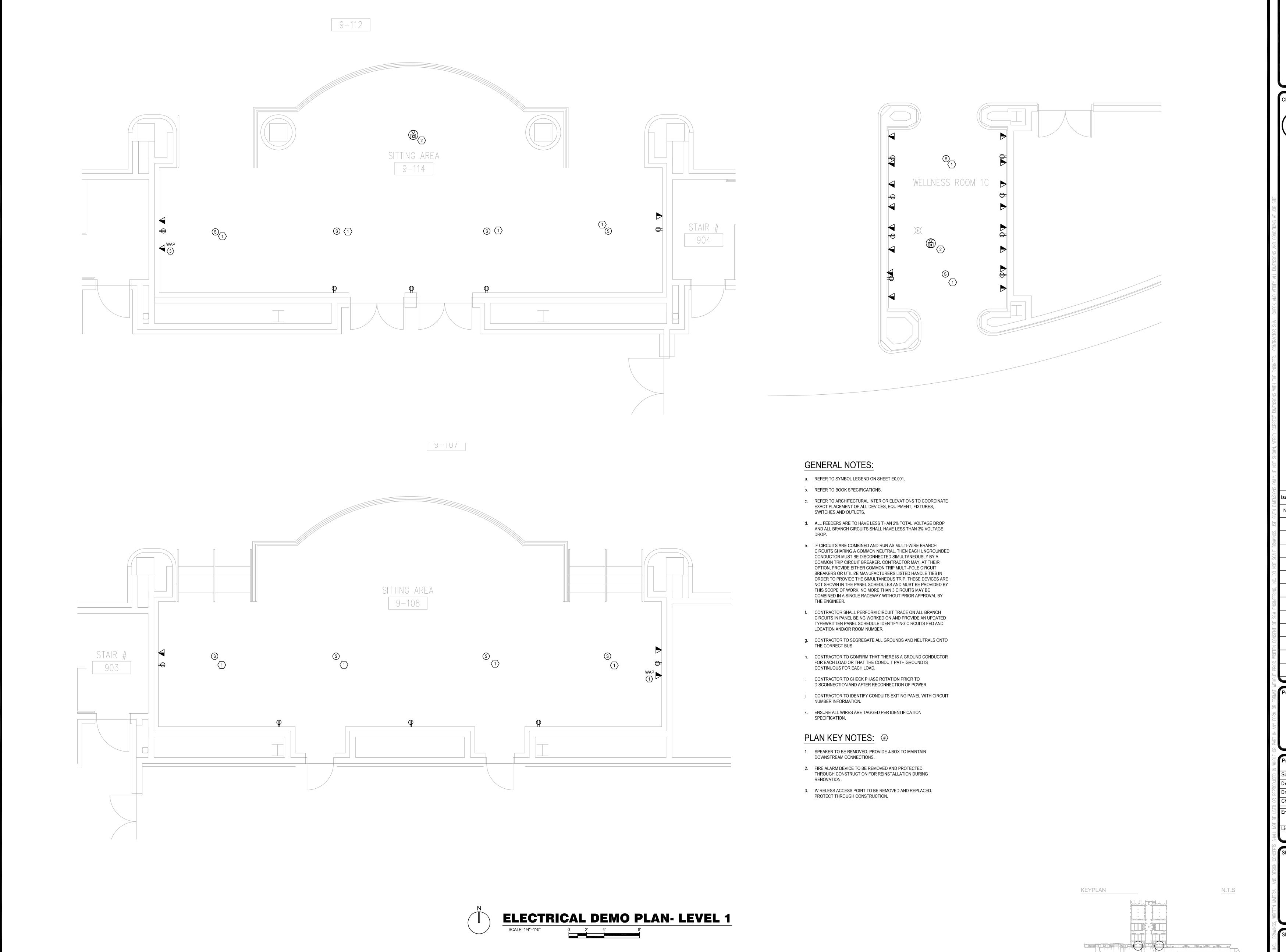
Sheet Name:

ELECTRICAL LIGHTING PLAN- LEVEL 4

eet Number:

E2.004





SGNERINGE
ENGINEERINGE
MEP CONSULTING ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
COPYRIGHT © 2018 SGM ENGINEERING, INC.

Convention Center

WEST CONCOURSE
9800 INTERNATIONAL DR.
ORLANDO, FL 32819

Issue: 03-19-19 100% BID DOCUMENTS

No. Date Description

occ Name:
OCCC NETWORK
WELLNESS ROOM
BUILDOUTS
WEST
BUILDING

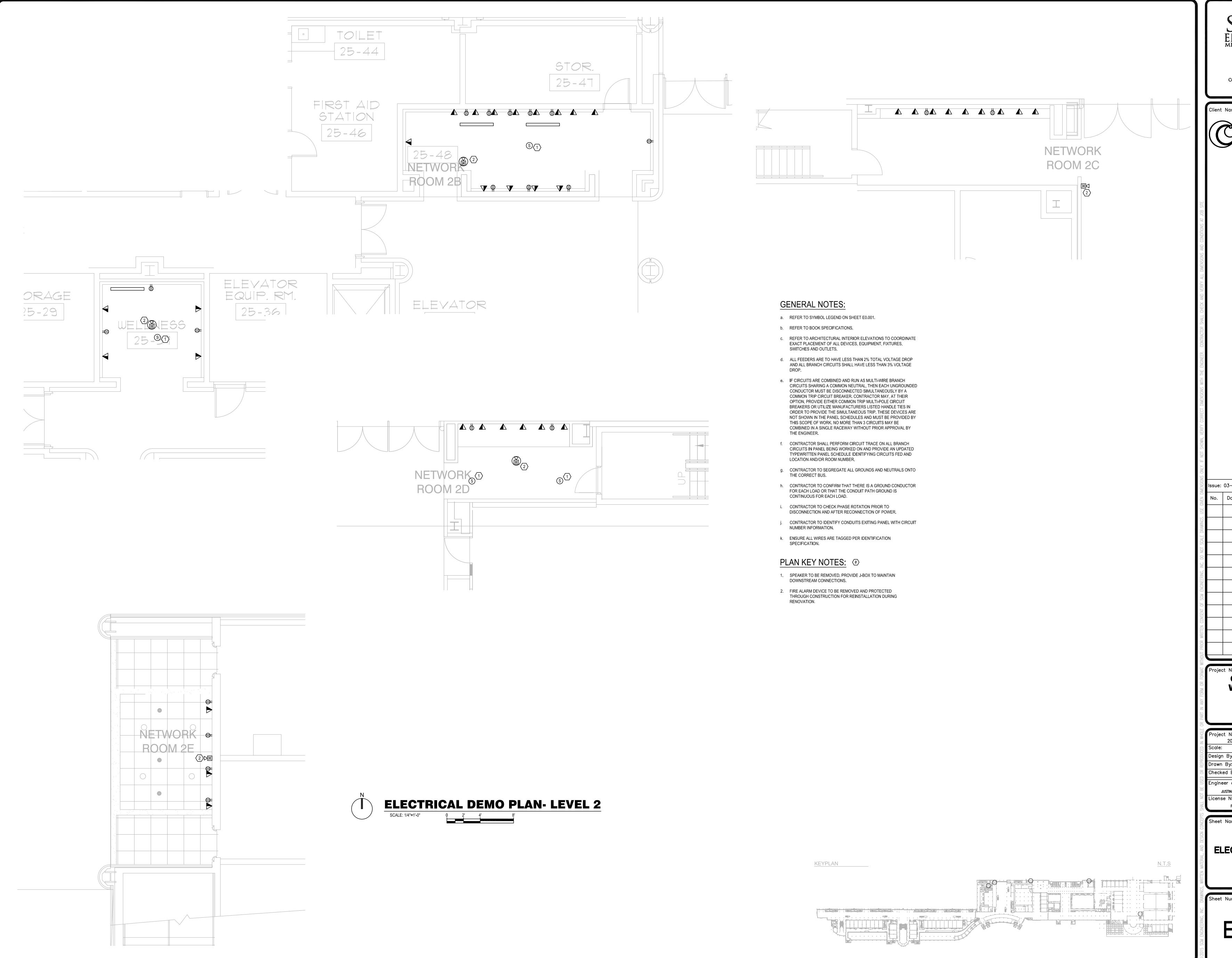
Project Numbe 2018-10		Drawing File Name: 1600-ED301-2018167
Scale:	AS SHOWN	Seal:
Design By:	MEII	Seal: OWE MUMILIAN LICENSE VOIL
Drawn By:	MEII	IN THE NSE TO I
Checked By:	MEII	3 No. 70700
Engineer of Record:		STATE OF
JUSTIN L. MUNDELL		TORIDA WI
License Number:		MILES/ONAL ENGLISHING
FL70700		WIND WALL LINE

neet Name:

ELECTRICAL DEMO PLAN-LEVEL 1

eet Number

ED3.001



ENGINEERINGS
MEP CONSULTING ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE Orlando, Fl. 32814 Tel: 407-767-5188 FAX: 407-767-5772 WWW.SGMENGINEERING.COM COPYRIGHT © 2018 SGM ENGINEERING, INC.

. Orange County Convention Center WEST CONCOURSE 9800 INTERNATIONAL DR. ORLANDO, FL 32819

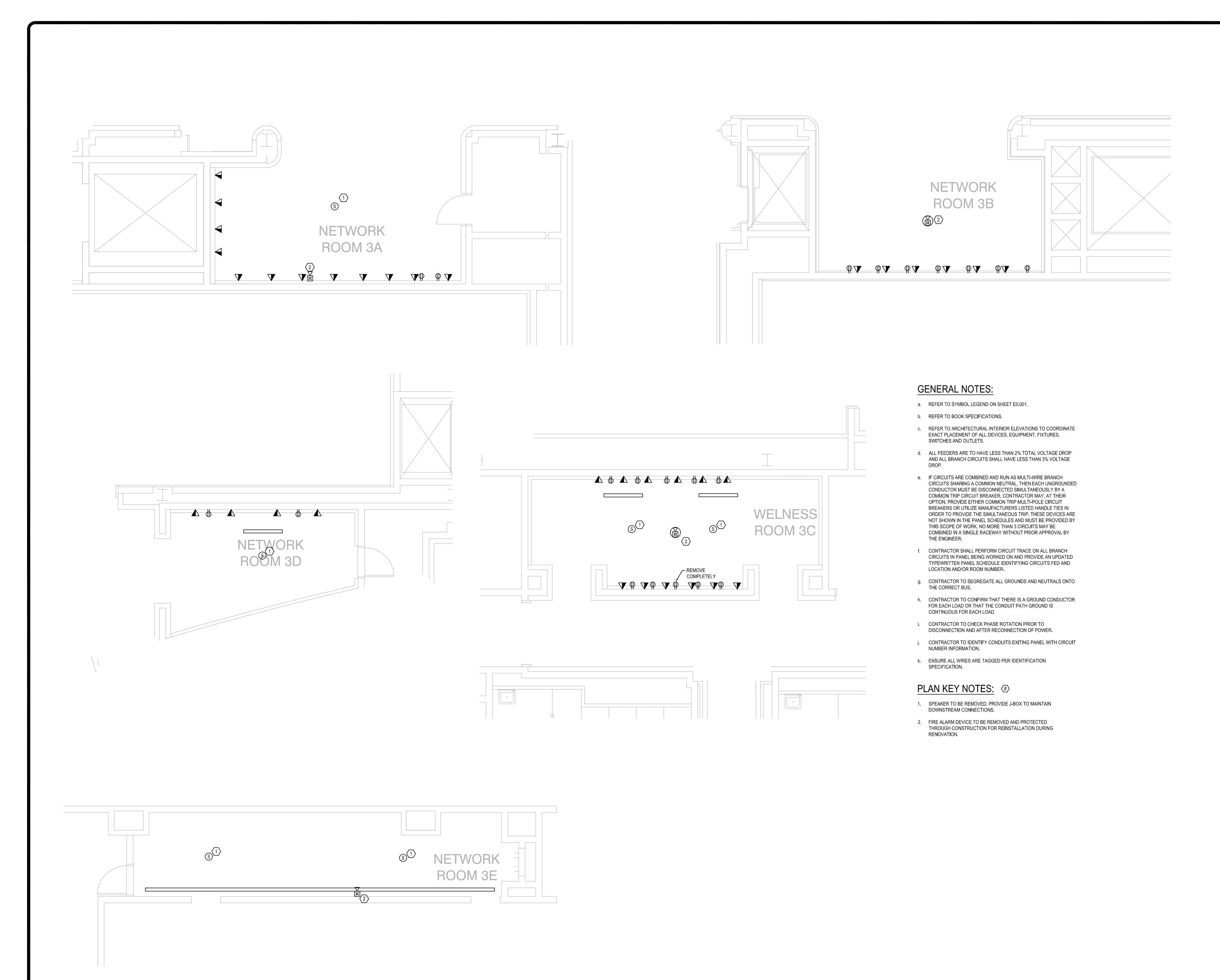
Issue: 03-19-19 100% BID DOCUMENTS No. Date Description

OCCC NETWORK WELLNESS ROOM BUILDOUTS WEST BUILDING

Project Number: 2018-167		Drawing File Name: 1600-FD301-2018167
Scale:	AS SHOWN	Seal:
Scarc.	72 2110MM	WE WILL
Design By:	MEII	Seal: OWE MUMILIAN LICENSE
Drawn By:	MEII	IN CHURSE SE
Checked By:	MEII	No. 70700
		→ →
Engineer of Record:		STATE OF
JUSTIN L. MUNDELL		TORION WILL
License Number:		The Strain of the state of the
FL70700		MAL ENGINEER

ELECTRICAL DEMO PLAN-LEVEL 2

ED3.002



SGNERINGS
ENGINEERINGS
MEP CONSULTING ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
COPYRIGHT © 2018 SGM ENGINEERING, INC.

Convention Center

WEST CONCOURSE
9800 INTERNATIONAL DR.
ORLANDO, FL 32819

No. Date Description

Issue: 03-19-19 100% BID DOCUMENTS

Project Name:

OCCC NETWORK
WELLNESS ROOM
BUILDOUTS
WEST

0			
N WHOLE	Project Number: 2018–167		Drawing File Name: 1600-ED301-2018167
SE	Scale:	AS SHOWN	Seal:
30DU(Design By:	MEII	THINK LOWE MUNICIPALITY
REPR(Drawn By:	MEII	INC. VICENSE OF
8	Checked By:	MEII	Seal: OWE MUMILIAN LICENSE No. 70700
BE USED	Engineer of Rec	ord:	CTATE OF
_ _	JUSTIN L. MUND	ELL	TORIDA W
2	License Number:		STATE OF CORIDA
HALL	FL70700		TO ORIDA STATE OF TO ORIDA STATE OF THE ORIGINAL ENGINEERING

BUILDING

Sheet Name:

ELECTRICAL DEMO PLAN-LEVEL 3

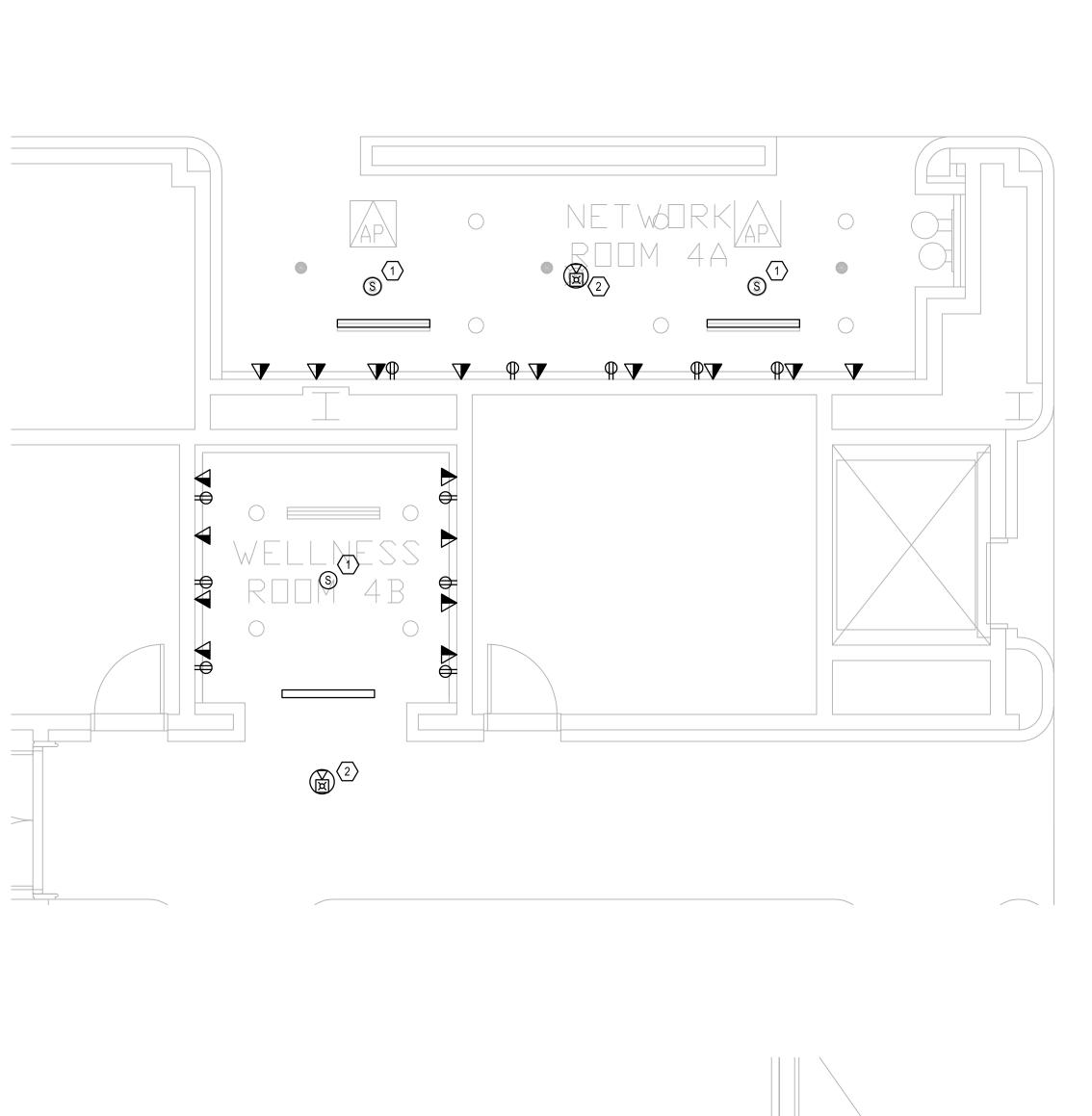
eet Number

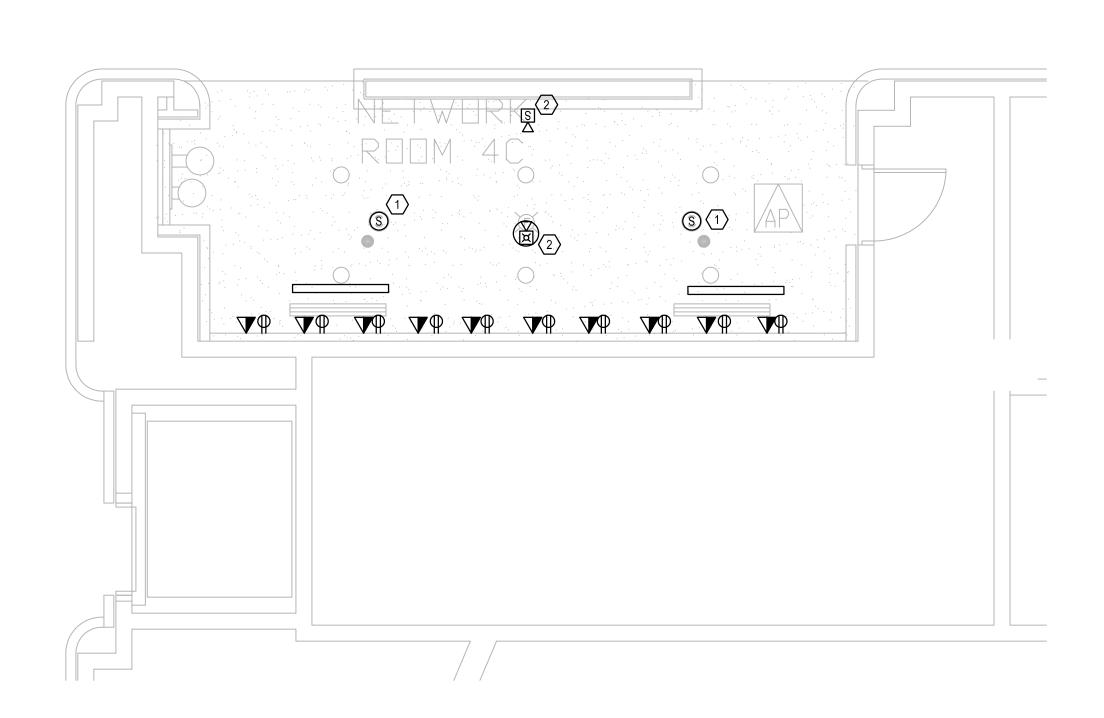
ED3.003

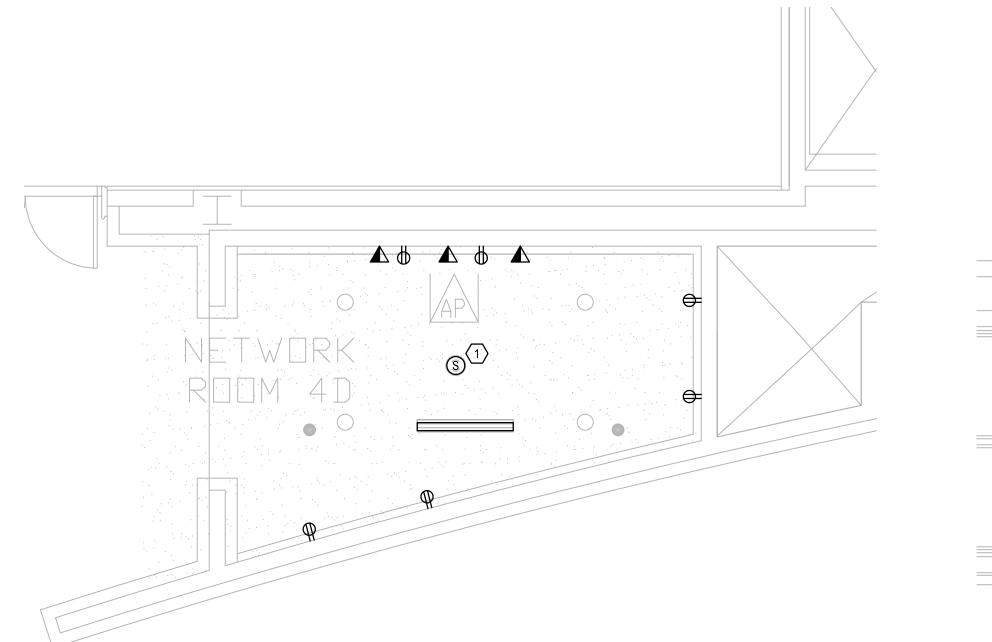
ELECTRICAL DEMO PLAN- LEVEL 3

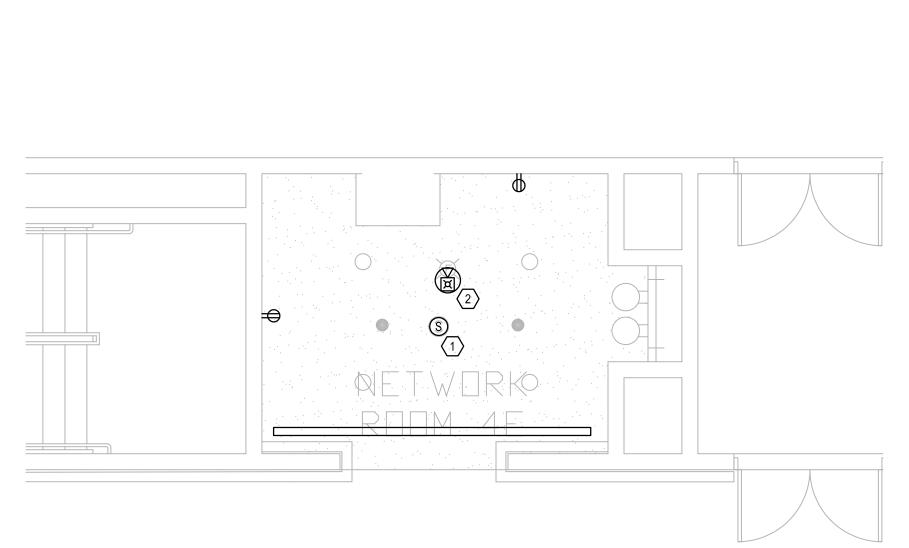
SCALE: 1/4"=1'-0"

9
2'
4'
8'

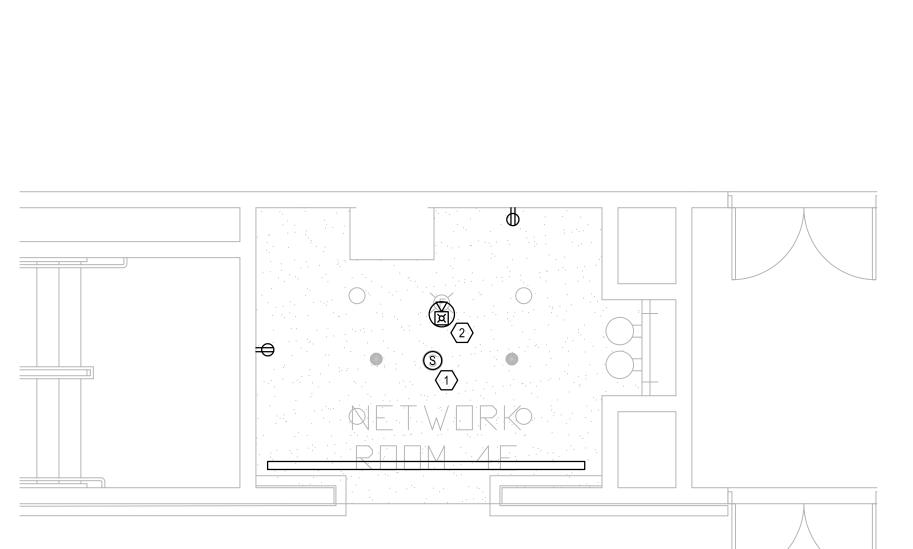
















- a. REFER TO SYMBOL LEGEND ON SHEET E0.001.
- b. REFER TO BOOK SPECIFICATIONS.
- c. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES AND OUTLETS.
- d. ALL FEEDERS ARE TO HAVE LESS THAN 2% TOTAL VOLTAGE DROP AND ALL BRANCH CIRCUITS SHALL HAVE LESS THAN 3% VOLTAGE
- e. IF CIRCUITS ARE COMBINED AND RUN AS MULTI-WIRE BRANCH CIRCUITS SHARING A COMMON NEUTRAL, THEN EACH UNGROUNDED CONDUCTOR MUST BE DISCONNECTED SIMULTANEOUSLY BY A COMMON TRIP CIRCUIT BREAKER. CONTRACTOR MAY, AT THEIR OPTION, PROVIDE EITHER COMMON TRIP MULTI-POLE CIRCUIT BREAKERS OR UTILIZE MANUFACTURERS LISTED HANDLE TIES IN ORDER TO PROVIDE THE SIMULTANEOUS TRIP. THESE DEVICES ARE NOT SHOWN IN THE PANEL SCHEDULES AND MUST BE PROVIDED BY THIS SCOPE OF WORK. NO MORE THAN 3 CIRCUITS MAY BE COMBINED IN A SINGLE RACEWAY WITHOUT PRIOR APPROVAL BY THE ENGINEER.
- f. CONTRACTOR SHALL PERFORM CIRCUIT TRACE ON ALL BRANCH CIRCUITS IN PANEL BEING WORKED ON AND PROVIDE AN UPDATED TYPEWRITTEN PANEL SCHEDULE IDENTIFYING CIRCUITS FED AND LOCATION AND/OR ROOM NUMBER.
- g. CONTRACTOR TO SEGREGATE ALL GROUNDS AND NEUTRALS ONTO THE CORRECT BUS.
- h. CONTRACTOR TO CONFIRM THAT THERE IS A GROUND CONDUCTOR FOR EACH LOAD OR THAT THE CONDUIT PATH GROUND IS CONTINUOUS FOR EACH LOAD.
- i. CONTRACTOR TO CHECK PHASE ROTATION PRIOR TO DISCONNECTION AND AFTER RECONNECTION OF POWER.
- j. CONTRACTOR TO IDENTIFY CONDUITS EXITING PANEL WITH CIRCUIT NUMBER INFORMATION.
- k. ENSURE ALL WIRES ARE TAGGED PER IDENTIFICATION SPECIFICATION.

PLAN KEY NOTES:

- 1. SPEAKER TO BE REMOVED. PROVIDE J-BOX TO MAINTAIN DOWNSTREAM CONNECTIONS.
- FIRE ALARM DEVICE TO BE REMOVED AND PROTECTED THROUGH CONSTRUCTION FOR REINSTALLATION DURING RENOVATION.

ENGINEERING MEP CONSULTING ENGINEERS CA-00006208

935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188 FAX: 407-767-5772 WWW.SGMENGINEERING.COM

COPYRIGHT © 2018 SGM ENGINEERING, INC.

Orange County
Convention Center WEST CONCOURSE 9800 INTERNATIONAL DR. ORLANDO, FL 32819

No. Date Description

Issue: 03-19-19 100% BID DOCUMENTS

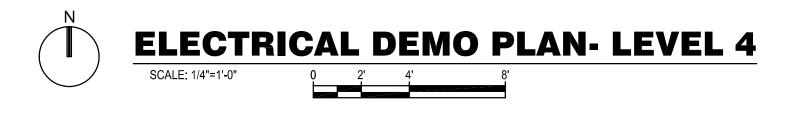
OCCC NETWORK WELLNESS ROOM BUILDOUTS WEST BUILDING

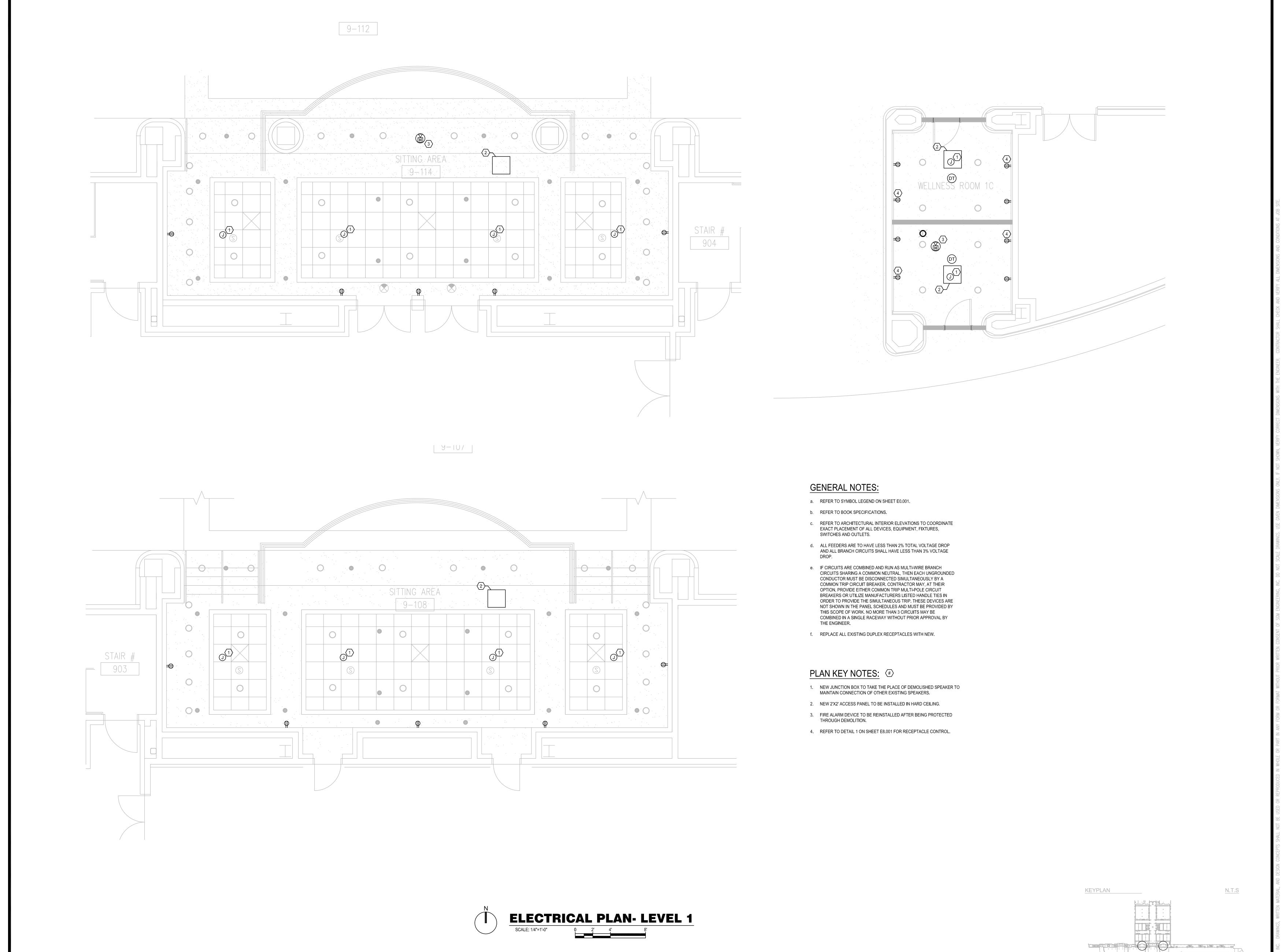
Project Number 2018-1		Drawing File Name: 1600-ED301-201816
Scale:	AS SHOWN	Seal:
Design By:	MEII	Seal: OWE MUMILIAN LICENSE
Drawn By:	MEII	INCENSE OF
Checked By:	MEII	No. 70700
Engineer of Re	cord:	STATE OF C
JUSTIN L. MU	NDELL	STATE OF CORIDA CONTROL OF CORIDA COR
License Number:		MILES ONAL ENGLISH
FL70700)	WAL LINE

N.T.S

ELECTRICAL DEMO PLAN-LEVEL 4

ED3.004





SGNEERINGS
ENGINEERINGS
MEP CONSULTING ENGINEERS
CA-00006208

935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
COPYRIGHT © 2018 SGM ENGINEERING, INC.

Convention Center

WEST CONCOURSE
9800 INTERNATIONAL DR.
ORLANDO, FL 32819

Issue: 03-19-19 100% BID DOCUMENTS

Description

No. Date

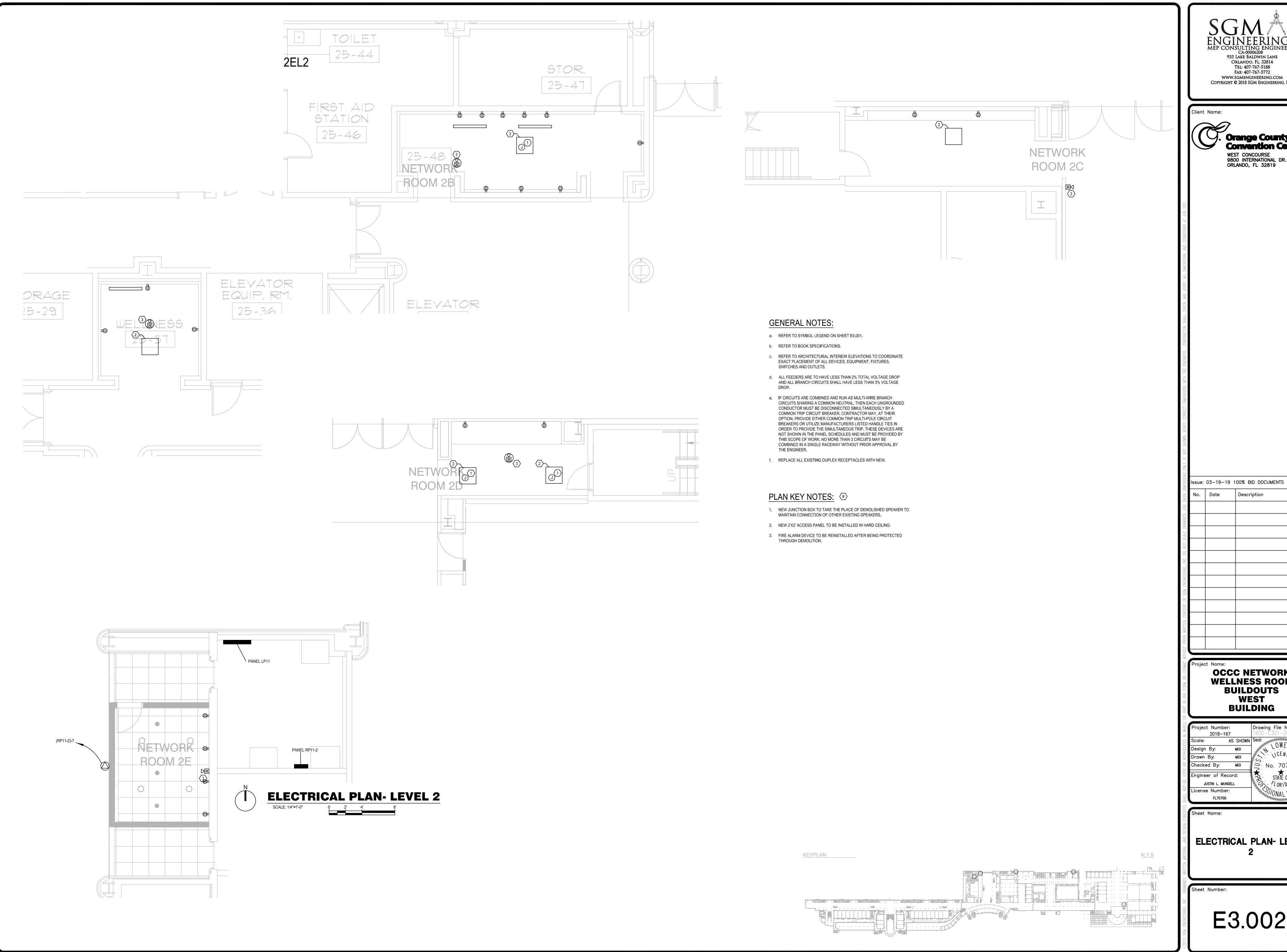
OCCC NETWORK
WELLNESS ROOM
BUILDOUTS
WEST
BUILDING

Project Number 2018-1	67	Drawing File Name: 1600-E301-2018167
Scale:	AS SHOWN	Seal:
Design By:	MEII	Seal: OWE OVE OUT OUT OUT OUT OUT OUT OUT OU
Drawn By:	MEII	IN THE NSE TO
Checked By:	MEII	→ No. 70700 /
Engineer of Re	oord:	★ ★ ★
Lingineer of Ne	cord.	STATE OF
JUSTIN L. MUNDELL		TORIDA WALLENGTHING
License Number:		MILES SOMAL ENGLISHING
FL70700		White ONAL LIVE

heet Name:

ELECTRICAL PLAN- LEVEL 1

Number:



ENGINEERINGS
MEP CONSULTING ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188 FAX: 407-767-5772 WWW.SGMENGINEERING.COM COPYRIGHT © 2018 SGM ENGINEERING, INC.

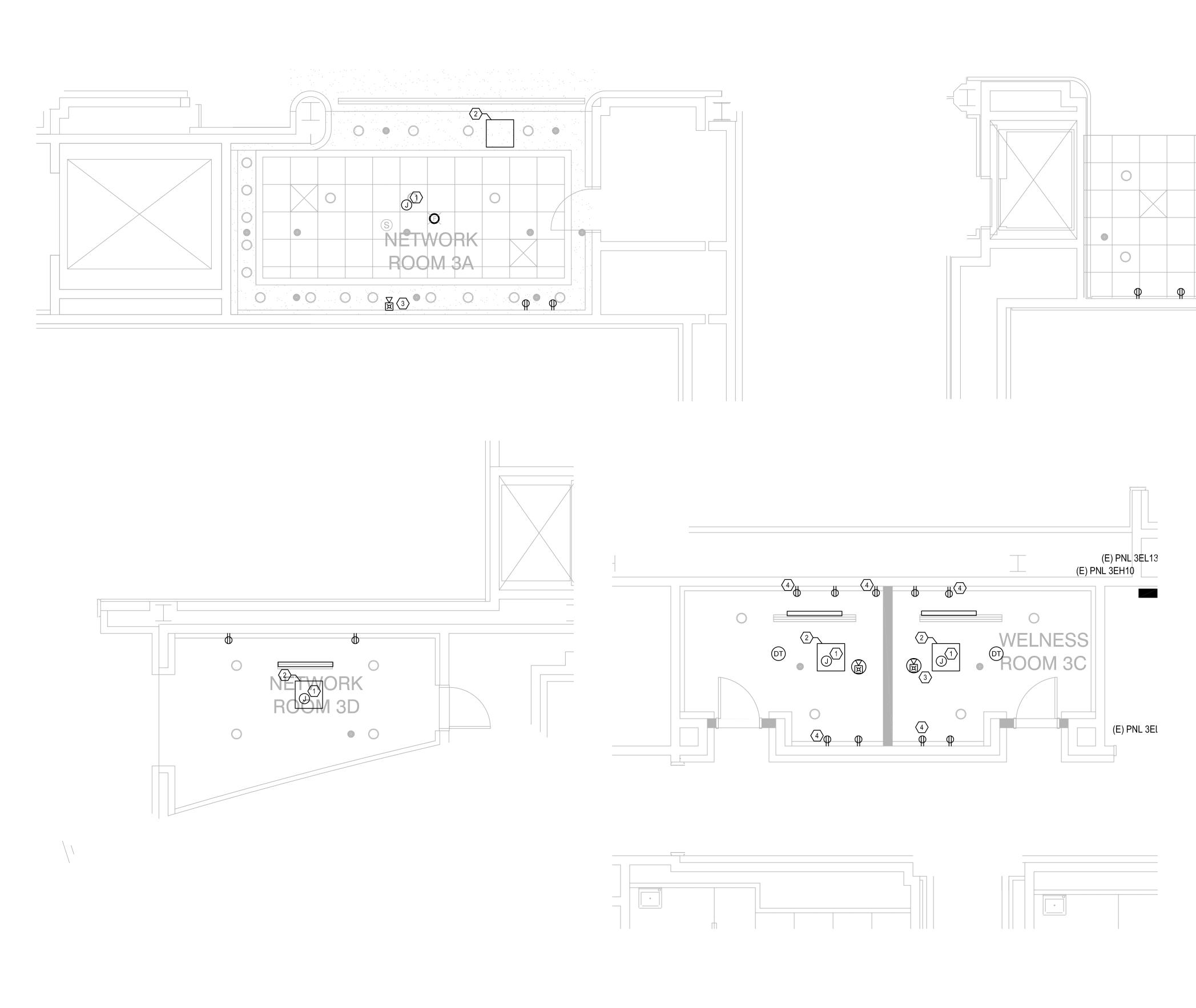
. Orange County Convention Center WEST CONCOURSE 9800 INTERNATIONAL DR. ORLANDO, FL 32819

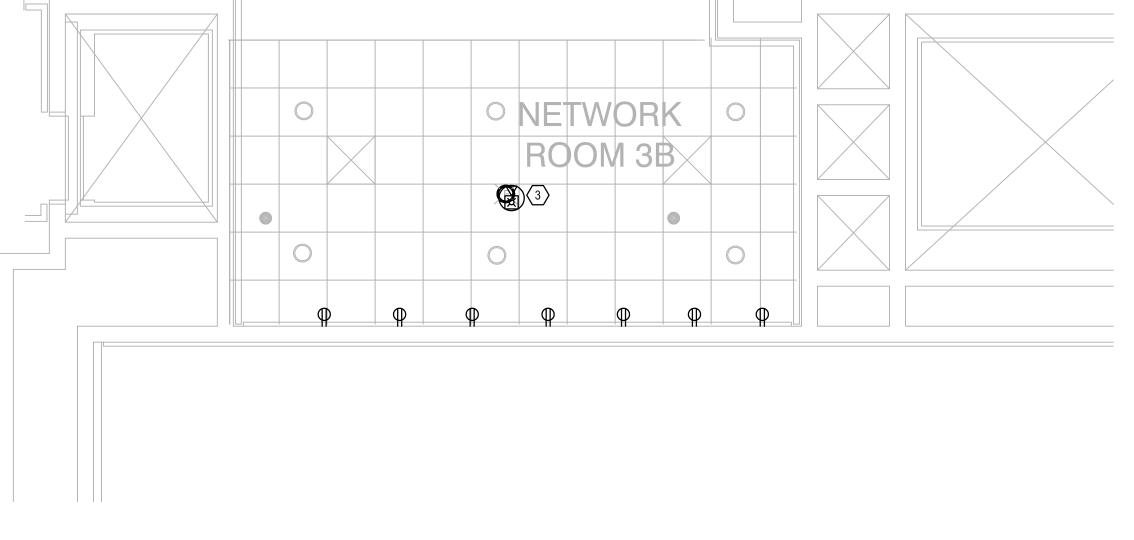
Description

OCCC NETWORK WELLNESS ROOM BUILDOUTS WEST BUILDING

		W
Project Number 2018–10	67	Drawing File Name: 1600-E301-2018167
Scale:	AS SHOWN	Seal: OWE OVE OUT OUT OUT OUT OUT OUT OUT OU
Design By:	MEII	THINK LOWE MUNICIPALITY
Drawn By:	MEII	IN THENSE TO
Checked By:	MEII	ろ No. 70700 口
Engineer of Re	cord:	STATE OF
JUSTIN L. MUI	NDELL	TORION WI
License Numbe	er:	MILES ONAL ENGINEER
FL70700		WAL LINING

ELECTRICAL PLAN- LEVEL





GENERAL NOTES:

- a. REFER TO SYMBOL LEGEND ON SHEET E0.001.
- b. REFER TO BOOK SPECIFICATIONS.
- c. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES AND OUTLETS.
- d. ALL FEEDERS ARE TO HAVE LESS THAN 2% TOTAL VOLTAGE DROP AND ALL BRANCH CIRCUITS SHALL HAVE LESS THAN 3% VOLTAGE DROP.
- e. IF CIRCUITS ARE COMBINED AND RUN AS MULTI-WIRE BRANCH CIRCUITS SHARING A COMMON NEUTRAL, THEN EACH UNGROUNDED CONDUCTOR MUST BE DISCONNECTED SIMULTANEOUSLY BY A COMMON TRIP CIRCUIT BREAKER. CONTRACTOR MAY, AT THEIR OPTION, PROVIDE EITHER COMMON TRIP MULTI-POLE CIRCUIT BREAKERS OR UTILIZE MANUFACTURERS LISTED HANDLE TIES IN ORDER TO PROVIDE THE SIMULTANEOUS TRIP. THESE DEVICES ARE NOT SHOWN IN THE PANEL SCHEDULES AND MUST BE PROVIDED BY THIS SCOPE OF WORK. NO MORE THAN 3 CIRCUITS MAY BE COMBINED IN A SINGLE RACEWAY WITHOUT PRIOR APPROVAL BY THE ENGINEER.
- f. REPLACE ALL EXISTING DUPLEX RECEPTACLES WITH NEW.

PLAN KEY NOTES: (#)

- NEW JUNCTION BOX TO TAKE THE PLACE OF DEMOLISHED SPEAKER TO MAINTAIN CONNECTION OF OTHER EXISTING SPEAKERS.
- 2. NEW 2'X2' ACCESS PANEL TO BE INSTALLED IN HARD CEILING.
- 3. FIRE ALARM DEVICE TO BE REINSTALLED AFTER BEING PROTECTED THROUGH DEMOLITION.
- 4. REFER TO DETAIL 1 ON SHEET E8.001 FOR RECEPTACLE CONTROL.

SGNEERING SEMEP CONSULTING ENGINEERS CA-00006208

935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
COPYRIGHT © 2018 SGM ENGINEERING, INC.

Convention Center

WEST CONCOURSE
9800 INTERNATIONAL DR.
ORLANDO, FL 32819

No. Date Description

Issue: 03-19-19 100% BID DOCUMENTS

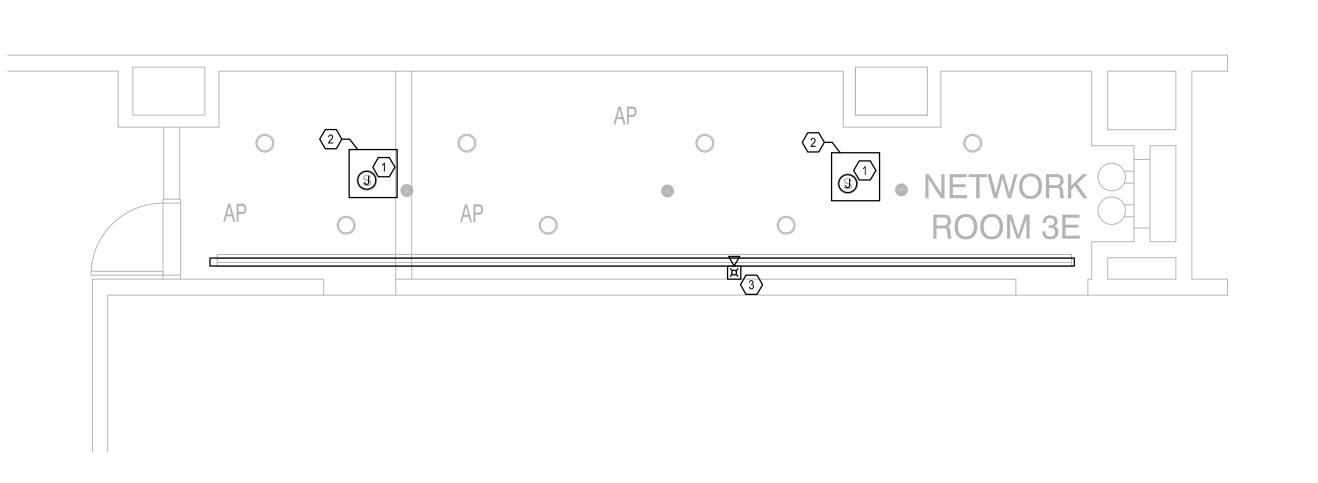
OCCC NETWORK
WELLNESS ROOM
BUILDOUTS
WEST
BUILDING

0			
N WHOLE	Project Number 2018–167	: 7	Drawing File Name: 1600-E301-2018167
SE	Scale:	AS SHOWN	Seal:
30DU(Design By:	MEII	THINK LOWE MUNICIPALITY
REPR(Drawn By:	MEII	INSE OF
9 R	Checked By:	MEII	Seal: OWE MUMILIAN LICENSE No. 70700
BE USED	Engineer of Rec	ord:	CTATE OF
ш	JUSTIN L. MUND	ELL	TORIDA W
NOT	License Number	:	STATE OF CORIDA AND STATE
HALL	FL70700		TORIDA TONAL ENGINEER

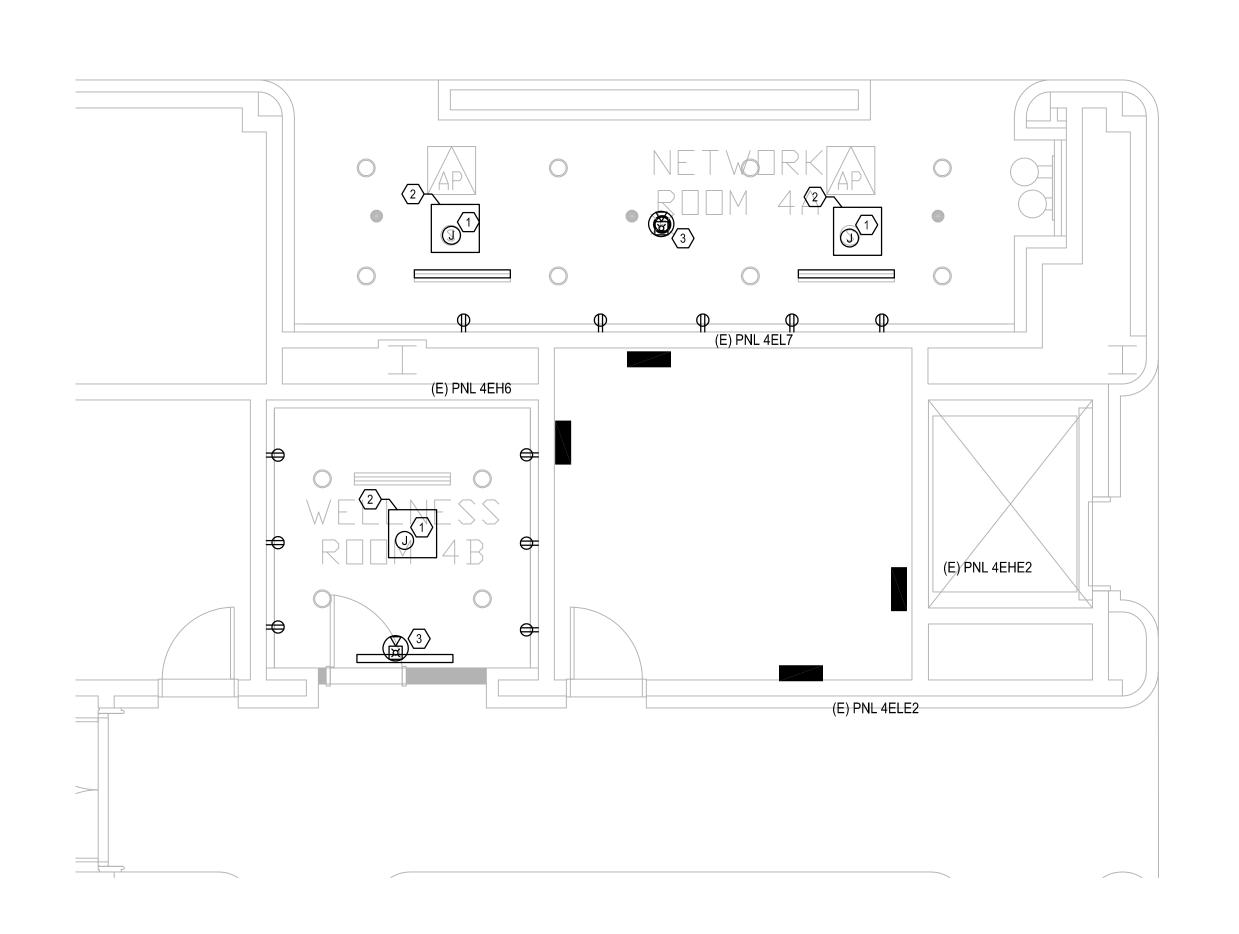
Sheet Name:

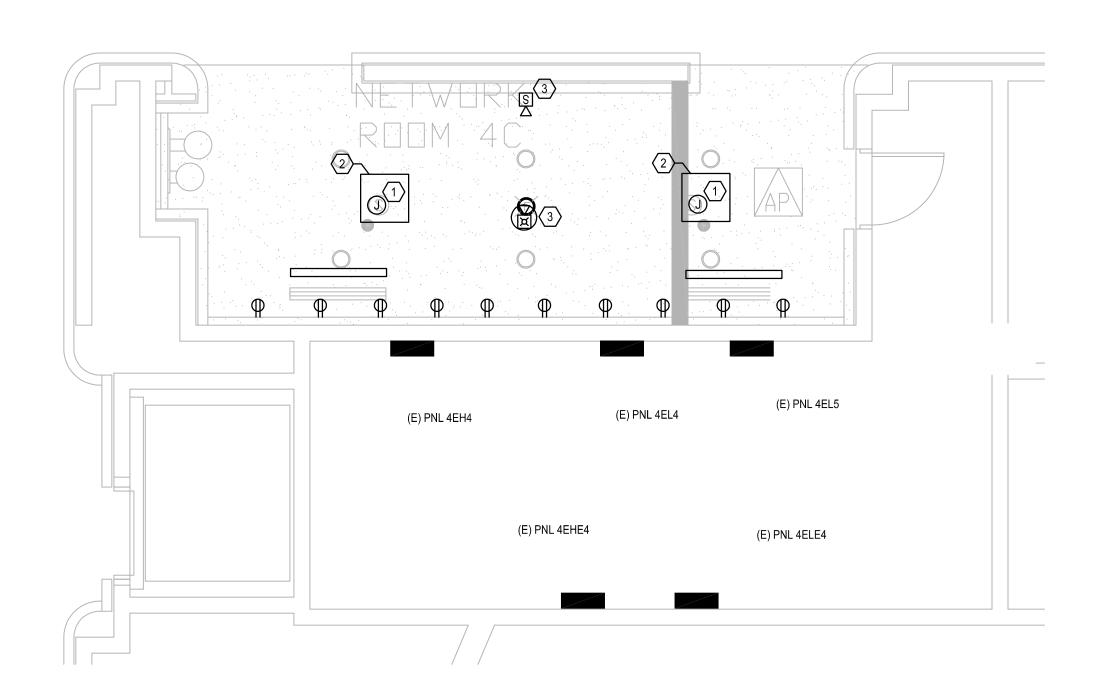
ELECTRICAL PLAN- LEVEL 3

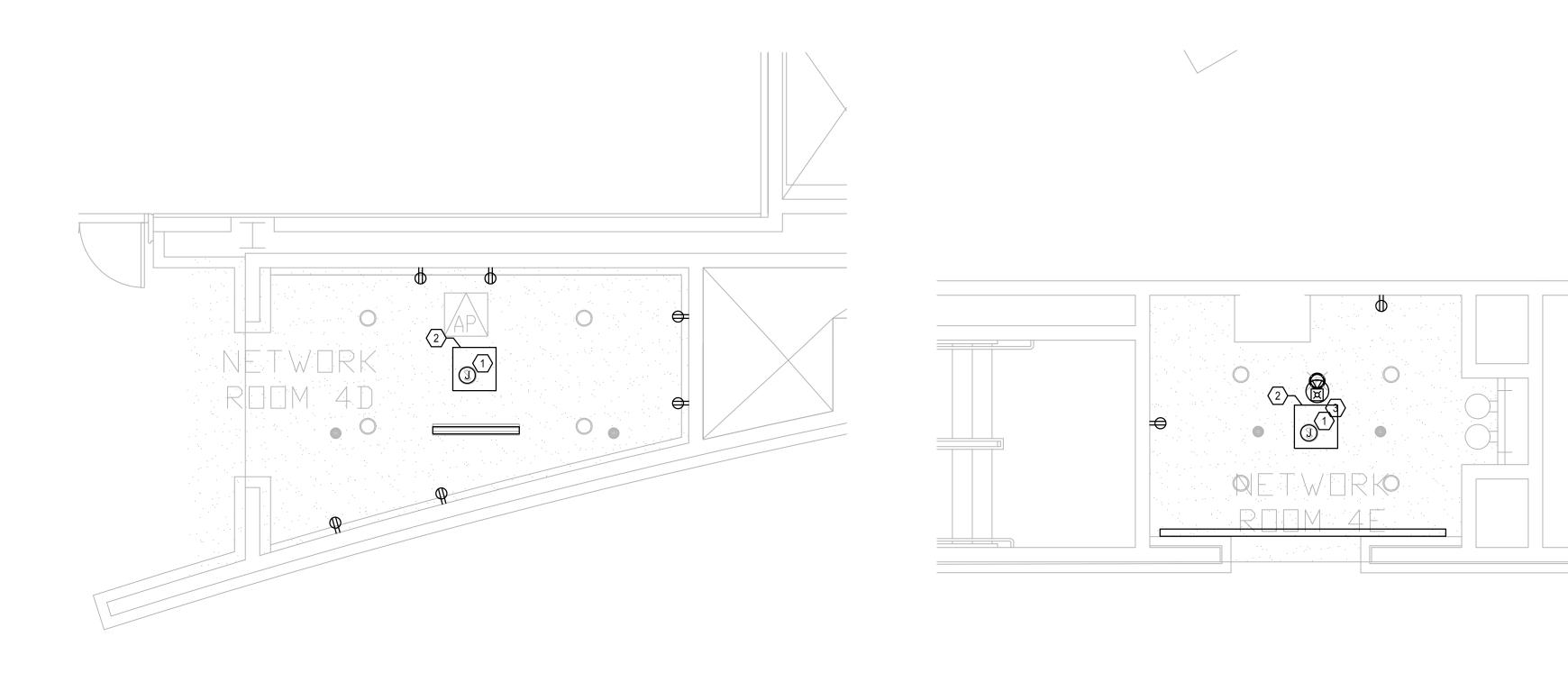
eet Number:











GENERAL NOTES:

- a. REFER TO SYMBOL LEGEND ON SHEET E0.001.
- b. REFER TO BOOK SPECIFICATIONS.
- c. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES AND OUTLETS.
- d. ALL FEEDERS ARE TO HAVE LESS THAN 2% TOTAL VOLTAGE DROP AND ALL BRANCH CIRCUITS SHALL HAVE LESS THAN 3% VOLTAGE
- e. IF CIRCUITS ARE COMBINED AND RUN AS MULTI-WIRE BRANCH CIRCUITS SHARING A COMMON NEUTRAL, THEN EACH UNGROUNDED CONDUCTOR MUST BE DISCONNECTED SIMULTANEOUSLY BY A COMMON TRIP CIRCUIT BREAKER. CONTRACTOR MAY, AT THEIR OPTION, PROVIDE EITHER COMMON TRIP MULTI-POLE CIRCUIT BREAKERS OR UTILIZE MANUFACTURERS LISTED HANDLE TIES IN ORDER TO PROVIDE THE SIMULTANEOUS TRIP. THESE DEVICES ARE NOT SHOWN IN THE PANEL SCHEDULES AND MUST BE PROVIDED BY THIS SCOPE OF WORK. NO MORE THAN 3 CIRCUITS MAY BE COMBINED IN A SINGLE RACEWAY WITHOUT PRIOR APPROVAL BY THE ENGINEER.
- f. REPLACE ALL EXISTING DUPLEX RECEPTACLES WITH NEW.

PLAN KEY NOTES: (#)

- NEW JUNCTION BOX TO TAKE THE PLACE OF DEMOLISHED SPEAKER TO MAINTAIN CONNECTION OF OTHER EXISTING SPEAKERS.
- 2. NEW 2'X2' ACCESS PANEL TO BE INSTALLED IN HARD CEILING.
- 3. FIRE ALARM DEVICE TO BE REINSTALLED AFTER BEING PROTECTED THROUGH DEMOLITION.

SGN
ENGINEERING
ENGINEERS
CA-00006208

935 LAKE BALDWIN LANE
ORLANDO, FL. 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
COPYRIGHT © 2018 SGM ENGINEERING, INC.

Crange County
Convention Center
WEST CONCOURSE
9800 INTERNATIONAL DR.
ORLANDO, FL 32819

Date Description

Issue: 03-19-19 100% BID DOCUMENTS

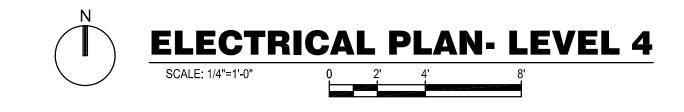
OCCC NETWORK
WELLNESS ROOM
BUILDOUTS
WEST
BUILDING

Project Numb 2018-1	67	Drawing File Name: 1600-E301-2018167
Scale:	AS SHOWN	Seal:
Design By:	MEII	Seal: OWE MUMILION LICENSE NO.
Drawn By:	MEII	INSE S
Checked By:	MEII	No. 70700
Engineer of R	ecord:	
JUSTIN L. MU	JNDELL	STATE OF CY ORIDA CHILINGS ON AL ENGINEERING
License Numb	er:	MILES ONAL ENGLISHING
FL7070	0	TAPE LINE

Sheet Name:

ELECTRICAL PLAN- LEVEL

eet Number:



GENERAL NOTES:

- (1) REFER TO SPECIFICATIONS FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS.
- (2) CONTRACTOR RESPONSIBLE FOR COORDINATION OF FLANGE TYPES, FITTINGS AND HARDWARE REQUIRED TO INSTALL LIGHTING FIXTURES INTO CEILING GRIDS, DRYWALL CEILINGS AND OTHER CONSTRUCTION MATERIALS AS REQUIRED.
- (3) ALL DIMENSIONS LISTED ABOVE ARE NOMINAL SIZES. SLIGHT VARIATIONS IN SHAPE OR SIZE WILL BE CONSIDERED BASED ON THE PROJECT REQUIREMENTS.
- (4) REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT/ORIENTATION AND CONSTRUCTION MATERIAL.
- (5) THE FINAL FIXTURE HOUSING AND REFLECTOR FINISH SHALL BE SELECTED BY ARCHITECT. (6) - ALL LIGHTING FIXTURES SHALL BE UL LISTED.
- (7) EXIT FIXTURES AND THE EMERGENCY FIXTURES SHALL BE FED FROM INVERTER SYSTEM.
- (8) REFER TO SHEET E3.01 AND SPEC SECTION 260943 FOR CONTROLS INFORMATION .

	MANUFACTURER: SQ. D. TYPE: NQOD AIC RATING: VOLTS L-N: 277 VOLTS L-L: 480 PHASE 1	K AN V V	ИPS			S.E.R GFI SHUNT	MCI MLO ATEI PRO	B: O: D: (T:	REQUIF N/A N/A				F	PANEL NAME: 2EH2 LOCATION: EL42 MOUNTING: SURFACE NEMA TYPE: WIDTH: 20.00 DEPTH: 5.75	IN IN	
СКТ	IDENTIFICATION	L O A D	LOA	D/PHASE	(KVA)	CIRCL	JIT B	REA	AKER	LOAD	/PHASE	(KVA)	L O A D	IDENTIFICATION	скт	N O T E
NO.			Α	В	С	TRIP	Р	Р	TRIP	Α	В	С	7		NO.	
1	LIGHTING					20	1	1	20					EXISTING LOAD	2	
3	LIGHTING					20	1	1	20					EWH	4	T
5	LIGHTING					20	1	1	20					LIGHTING	6	Т
7	LIGHTING					20	1	1	20					LIGHTING	8	Т
9	LIGHTING					20	1	1	20		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			LIGHTING	10	Т
11	LIGHTING		******			20	1	1	20					LIGHTING	12	t
13	LIGHTING					20	1	1	20					LIGHTING WOMENS RR	14	t
15	LIGHTING					20	1	1	20					PWR RELAY PANEL	16	t
17	LIGHTING					20	1	1	20					EWH	18	т
19	LIGHTING					20	1	1	20	4.00			E	RR 45 EWH-1	20	Н
21	LIGHTING					20	1	1	20		0.20		1	WELLNESS ROOM LIGHTING	22	т
23	SPACE		******			20	1	1	20				-	SPACE	24	+
25						20	1	1	20		********			SPACE	26	+
27	EXISTING LOAD					20	1	1	20					SPACE	28	+
29						20	1	1	20					SPACE	30	+
31						20	1	1	20						32	t
33	EXISTING LOAD					20	1	1	20					EXISTING LOAD	34	t
35						20	1	1	20						36	t
37						20	1	1	20						38	Н
39	EXISTING LOAD					20	+	1	20					EXISTING LOAD	40	Н
41						20	1	1	20						42	Н
				SUB FE	EDLUG	S AS INDI	CATI	ED.		IK (NOT	USED)				-12	
											,					
		L	0.0	0.0	0.0	J				4.0	0.2	0.0				
	LIGHTING (L) RECEPTACLES 1ST 10 KVA(R)	(K	DNN DAD (VA) 1.20	DEMAND FACTOR 1.25 1.00	DBMAND LOAD (KV A) 0.25 0.00	-		AL (CONNE TOTA	ONNECTE CTED AM DEMAN	IPS/PH: ID KVA:	4.2	5			
	RECEPTACLES OVER 10KVA(R)		.00	0.50	0.00	1	GEI	NEF	RAL NO	TES:						
	HVAC EQUIPMENT (H)		.00	1.00	0.00	1					H LABE	LING FO	OR TI	HE PANEL IN ACCORDANCE WITH NFPA	70 & 70	ıΕ
	APPLIANCES (A)	lacksquare	.00	1.00	0.00	1			SPECIFIE							
	EQUIPMENT (E)		.00.	1.00	4.00	1	SCI	HEC	DULE N	OTES:						
	LARGEST MOTOR (M)		.00	1.25	0.00	4										
	OTHER (O) SPARE (S)		.00	1.00	0.00	+										
	SI ARE (S)				0.00	1										

a. PROVIDE ARC FLASH LABELING FOR THE PANEL IN ACCORDANCE WITH NFPA 70 & 70E

	VOLTS L-N: 277	K AMPS V V			S.E R	MCB: MLO: ATED: PROT:	N/A : : : N/A				P/	ANEL NAME: 3EH1 LOCATION: EL68 MOUNTING: SURFACE NEMA TYPE: WIDTH: 20.00 DEPTH: 5.75	IN IN			
СКТ	IDENTIFICATION	L O A D	AD/PHASE	(KVA)	CIRCU	IT BR	EAKER	LOAD	/PHASE	E (KVA)	L O A D	IDENTIFICATION	СКТ	N O T E S	N O T E S	Cł
NO.		А	В	С	TRIP	P P	TRIP	Α	В	С			NO.			N
1	EXISTING LOAD				20	1							2			
3	EXISTING LOAD				20	1 3	20					EXISTING LOAD	4			
5	EXISTING LOAD				20	1							6			
7	EXISTING LOAD EXISTING LOAD				20	1 3	20			-		EMSTING LOAD	8			
9	EWH-1	_		4.00	20	1 3	20				_	EXISTING LOAD	10			_
11	WELLNESS ROOM LIGHTING	E 0.20		4.00	20	1					_		12			
13	SPACE	L 0.20			20	1 3	20					EXISTING LOAD	14			
17	SPACE					H) ~	20				-	ENOTING EGAD	18			
19	SPACE					1							20			
21	SPACE					1 3	20					EXISTING LOAD	22			
23	SPACE					1							24			
25	SPACE					1 1	20	4.00			E	EWH-3	26	1		
27	SPACE					1 1		1100			_	SPACE	28	Ė		
29	SPACE					1 1						SPACE	30			:
31	SPACE					1 1						SPACE	32			
33	SPACE					1 1						SPACE	34			
35	SPACE					1 1						SPACE	36			
37	EXISTING LOAD				20	1 1						SPACE	38			
39	EXISTING LOAD				20	1 1						SPACE	40			
41	EXISTING LOAD				20	1 1	20					SPARE	42			
			SUB FE	EED LUGS	S AS INDI	CATE	D, IF BLA	NK (NOT	USED)							_
																_
\perp																_
		0.2	0.0	4.0				4.0	0.0	0.0						_
	LIGHTING (L) RECEPTACLES 1ST 10 KVA(R) RECEPTACLES OVER 10KVA(R) HVAC EQUIPMENT (H)	CONN. LOAD (KVA) 0.20 0.00	DEMAND FACTOR 1.25 1.00 0.50 1.00	DEWAND LOAD (KVA) 0.25 0.00 0.00		TOTA To GEN	L CONNE TOTA OTAL DEI ERAL NC	ONNECT ECTED AI AL DEMA MAND AI	ED KVA MPS/PH ND KVA MPS/PH	: 8.20 : 10 : 8.25 : 10		E PANEL IN ACCORDANCE WITH NFPA	70 & 700	E		
	APPLIANCES (A)		1.00	0.00			SPECIFIE									
	EQUIPMENT (E)		1.00	8.00	-		EDULE N									
	LARGEST MOTOR (M) OTHER (O)		1.25	0.00	-	1 1	KUVIDE I	NEW BRI	EAKER							
	SPARE (S)		1.00	0.00	1											
	LINKED PANEL (P)		ED IN A BOVE		1											

	MANUFACTURER: SQ. D. TYPE: NQOD AIC RATING: VOLTS L-N: 277 VOLTS L-L: 480 PHASE 1	K A V V	AMPS				ICB: ILO: IED: ROT:	N/A				F.F.	ANEL NAME: 4EH6 LOCATION: EL86 MOUNTING: SURFACE NEMA TYPE: WIDTH: 20.00 DEPTH: 5.75	IN IN
N O T E S CKT	IDENTIFICATION	L O A D		D/PHASE		CIRCUIT					E (KVA)	L O A D	IDENTIFICATION	CK
NO.		L	Α	В	С		P	TRIP	Α	В	С			NO.
3	COFFEE URN					20	1 1	20					WATER HEATER	4
5	LTC						1 1	20					LTC	6
7	LTG LTG					8	1 1	20					LTG LTG	8
9	LTG						1 1	20					LTG	10
13	LTG						1 1	20					LTG	14
15	LTG					3	1 1	20			+		LTG	16
17	LTG						1 1	20					LTG	18
19	LTG					20	1 1	20					LTG	20
21	LTG					20	1 1	20					LTG	22
23	LTG					20 1	1 1	20					LTG	24
25	LTG					20 1	1 1	20					LTG	26
27	LTG					20 1	1 1	20					LTG	28
29	LTG					20 1	1 1	20					LTG	30
31	LTG					20 1	1 1	20					LTG	32
33	LTG					20 1		20					PLC PANEL	34
35	LTG					·	1 1	20			4.00	E	RR 60 EWH-1	36
37	WELLNESS ROOM LIGHTING	L	0.20				1 1	20	, , , , , , , , , , , , , , , , , , ,		ļ		SPACE	38
39	SPACE						1 1	20					SPACE	40
41	SPACE					20 1	1 1	20					EXISTING LOAD	42
		_		SUB FE	ED LUGS	S AS INDICA	ATED	, IF BLA	NK (NOT	USED)				
+		L												
		\vdash												
		Щ	0.2	0.0	0.0				0.0	0.0	4.0	1		
	LIGHTING (L) RECEPTACLES 1ST 10 KVA(R) RECEPTACLES OVER 10KVA(R) HVAC EQUIPMENT (H) APPLIANCES (A) EQUIPMENT (E) LARGEST MCTOR (M) OTHER (O) SPARE (S)		CONN LOAD (KVA) 0.20 0.00 0.00 0.00 4.00 0.00 0.00 0.00	DEMAND FACTOR 1.25 1.00 0.50 1.00 1.00 1.00 1.00 1.00 1.0	DEMA ND LOA D (KV A) 0.25 0.00 0.00 0.00 4.00 0.00 0.00 0.00	C a	TO GENE A. PRO AS SCHE	CONNE TOTA TAL DEM RAL NO OVIDE A SPECIFIE DULE N	RC FLAS D.	IPS/PH: ID KVA IPS/PH: IH LABE	4.25	5	E PANEL IN ACCORDANCE WITH NFPA	A 70 & 70

			4 LIOITIO NELAT
0.0 0.0 0.0 4.0 0.2 0.0	0.2 0.0 4.0 4.0 0.0 0.0	0.2 0.0 0.0 0.0 4.0	43
	CONIN	CONN. DOWN.	45 SPARE 47
CONN DEMAND TOTAL CONNECTED KVA: 4.20 LOAD DEMAND LOAD TOTAL CONNECTED AMPS/PH: 5	CONN. DBMAND TOTAL CONNECTED KVA: 8.20 LOAD DBMAND LOAD TOTAL CONNECTED AMPS/PH: 10	CONN DEMAND TOTAL CONNECTED KVA: 4.20 LOAD DEMAND LOAD TOTAL CONNECTED AMPS/PH: 5	49
(KVA) FACTOR (KVA) TOTAL DEMAND KVA: 4.25	(KVA) FACTOR (KVA) TOTAL DEMAND KVA: 8.25	(KVA) FACTOR (KVA) TOTAL DEMAND KVA: 425	51 ESCALATOR NORTH
LIGHTING (L) 0.20 1.25 0.25 TOTAL DEMAND AMPS/PH: 5 RECEPTACLES 1ST 10 KVA(R) 0.00 1.00 0.00	LIGHTING (L) 0.20 1.25 0.25 TOTAL DEMAND AMPS/PH: 10 RECEPTACLES 1ST 10 KVA(R) 0.00 1.00 0.00	LIGHTING (L)	53
RECEPTACLES OVER 10KVA(R) 0.00 0.50 0.00 GENERAL NOTES:	RECEPTACLES OVER 10KVA(R) 0.00 0.50 0.00 GENERAL NOTES:	RECEPTACLES OVER 10KVA(R) 0.00 0.50 0.00 GENERAL NOTES:	55
HVAC EQUIPMENT (H) 0.00 1.00 0.00 a. PROVIDE ARC FLASH LABELING FOR THE PANEL IN ACCORDANCE WITH NFPA 70 & 70E APPLIANCES (A) 0.00 1.00 0.00 AS SPECIFIED.	HVAC EQUIPMENT (H) 0.00 1.00 0.00 a. PROVIDE ARC FLASH LABELING FOR THE PANEL IN ACCORDANCE WITH NFPA 70 & 70E AS SPECIFIED.	HVAC EQUIPMENT (H) 0.00 1.00 0.00 a. PROVIDE ARC FLASH LABELING FOR THE PANEL IN ACCORDANCE WITH NFPA 70 & 70E APPLIANCES (A) 0.00 1.00 0.00 AS SPECIFIED.	57 ESCALATOR CENTEREWH-3
EQUIPMENT (E) 4.00 1.00 4.00 SCHEDULE NOTES:	EQUIPMENT (E) 8.00 1.00 8.00 SCHEDULE NOTES:	EQUIPMENT (E) 4.00 1.00 4.00 SCHEDULE NOTES:	59
LARGEST MOTOR (M) 0.00 1.25 0.00 OTHER (O) 0.00 1.00 0.00	LARGEST MOTOR (M) 0.00 1.25 0.00 1 PROVIDE NEW BREAKER OTHER (O) 0.00 1.00 0.00	LARGEST MOTOR (M) 0.00 1.25 0.00 1 PROVIDE NEW BREAKER OTHER (O) 0.00 1.00 0.00	61 WELLNESS ROOM LIGHTS 63 SPARE
SPARE (S) 0.00 1.00 0.00	SPARE (S) 0.00 1.00 0.00	SFARE (S) 0.00 1.00 0.00	65 SPARE
LINKED PANEL (P) INCLUDED IN A BOVE TOTALS	LINKED PANEL (P) NOLUDED IN A BOVE TOTALS	LINKED PANEL (P) INCLUDED IN A BOVE TOTALS	67
			69 EWH-3
			71
			73
			75 EWH-3
MANUFACTURER: MAIN OPTIONS REQUIRED PANEL NAME: RP11-2			77 SPACE ONLY
TYPE: MCB: 400 AMPS LOCATION: AIC RATING: 10 K AMPS MOUNTING: MLO: AMPS MOUNTING:			79 SPACE ONLY 81 SPACE ONLY
VOLTS L-N: 120 V S.E. RATED: NEMA TYPE: VOLTS L-L: 208 V GFI PROT: NO WIDTH: IN			83 SPACE ONLY
VOLTS L-L: 208 V GFI PROT: NO WIDTH: IN PHASE 3 SHUNT TRIP: DEPTH: IN			
IDENTIFICATION O A LOAD/PHASE (KVA) CIRCUIT BREAKER LOAD/PHASE (KVA) O A IDENTIFICATION T F			
т			
A B C TRIP P P TRIP A B C NO.			
REC - PREFUNCTION R 0.80 20 1 1 20 1.20 R REC-LOBBY 2 REC - LOBBY R 0.60 20 1 1 20 0.20 R REC-ELEV 4			
LAV SENSORS O 0.60 20 1 1 20 0.10 L LIGHTS 6			
WELLNESS ROOM RECEPT FEED S 1.00 60 1 1 20 L LIGHTS 8			
SPARE S 0.00 20 1 1 20 0.70 L LIGHTS 10 SPARE S 0.00 20 1 1 20 1.90 O ATM MACHINE 12			LIGH
SPARE S 0.00 20 1 1 20 1.90 0 ATM MACHINE 12 2 2.00 R 2.00 R 1.4			RECEPTACLES 1ST 10
RECEPTACLE R 2.00 30 3 3 30 2.00 R RECEPTACLE 16			RECEPTACLES OVER 10 HVAC EQUIPM
Z 2.00 R 18			APPLIAN
R 2.00 R 2.00 R RECEPTACLE 20 R RECEPTACLE 22 R RECEPTACLE 22 R R R R R R R R			EQUIPM
R 2.00 R 24			LARGEST MO ⁻
R 2.00			ОТІ
RECEPTACLE R 2.00 30 3 3 30 2.00 R RECEPTACLE 28 30			SPA
R 2.00 R 32			LINKED PA
RECEPTACLE R 2.00 30 3 3 30 2.00 R RECEPTACLE 34			
R 2.00 2.00 R 36 37 38 38 38 38 38 38 38			
R 2.00 1 30 2.40 0 EWH-1 38 0 RECEPTACLE R 2.00 30 3 1 30 2.40 0 EWH-1 40			
R 2.00 1 20 0.70 L LIGHTS 42			
SUB FEED LUGS AS INDICATED, IF BLANK (NOT USED)			
11.8 10.6 10.6 11.6 11.3 10.7			
CONN DEMAND TOTAL CONNECTED KVA: 66.60			
LOAD DEMAND LOAD TOTAL CONNECTED AMPS/PH: 185 (KVA) FACTOR (KVA) TOTAL DEMAND KVA: 43.58			
LIGHTING (L) 1.50 1.25 1.88 TOTAL DEMAND AMPS/PH: 121			
RECEPTACLES 1ST 10 KVA(R) 10.00 1.00 10.00			

	VOLTS L-N: 277	K A V V	AMPS			S.E R GFI SHUNT	MC ML ATE PRO	CB: LO: ED: OT:		RED AMPS AMPS			Ρ <i>i</i>	ANEL NAME: LP11 LOCATION: MOUNTING: NEMA TYPE: WIDTH: DEPTH:	IN IN
скт	IDENTIFICATION	L O A D	LOAI	D/PHASE	(KVA)	CIRCU	JIT E	BREA	KER.	LOAD	/PHASE	(KVA)	L O A D	IDENTIFICATION	CI
NO.			Α	В	С	TRIP	Р	Р	TRIP	Α	В	С		LIQUITO DEL AV	N
3	SPARE					15	3	1	20		0.70			LIGHTS RELAY LIGHTS LOST AND FOUND	2
5								1	20		0.10	1.00	L	FCU-6	(
7	LIGHTS RELAY	L	0.80			20	1	1	20	0.60			L	LIGHTS RELAY	8
9	LIGHTS RELAY	L		0.40		20	-	1	20				L	LIGHTS RELAY	1
11	LIGHTS RELAY	L			0.70	20	-	1	20			0.00	S	SPARE	1:
13	LIGHTS RELAY LIGHTS RELAY	L.	0.40	0.50		20	1	1	20	0.70	0.00		L	LIGHTS RELAY LIGHTS RELAY	1-
15	LIGHTS RELAY	L		0.50	0.50	20	+	1	20		0.60	0.70	L	LIGHTS RELAY	1
17	LIGHTS RELAY	L	1.30		0.50	20	-	1	20	0.60		0.70	L	LIGHTS RELAY	2
21	LIGHTS RELAY	L	1.30	1.00		20	-	1	20	0.00	0.70			LIGHTS RELAY	2
23	LIGHTS RELAY	1		1.00	0.70	20	1	₩	20		0.10	0.60		LIGHTS RELAY	2
25	LIGHTS RELAY	L	0.80		3.13	20	-	1	20			5.50	L	LIGHTS RELAY	2
27	LIGHTS RELAY	L		0.70		20	1	1	20				L	LIGHTS RELAY	2
29	LIGHTS RELAY	L			0.40	20	1	1	20			0.70	L	LIGHTS RELAY	3
31	LIGHTS RELAY	L	1.10			20	1	1	20	0.40			L	LIGHTS RELAY	3
33	LIGHTS RELAY	L		0.40		20	1	1	20		0.40		L	LIGHTS RELAY	3
35	EXTERIOR LIGHTS RELAY	L			0.40	20	1	1	20			0.70	L	LIGHTS RELAY	3
37	LIGHTS RELAY					20	-	1	20				L	LIGHTS RELAY	3
39	LIGHTS RELAY					20	+	1	20				L	LIGHTS RELAY	4
41	LIGHTS RELAY		0.00			20	1	1	20	0.00		0.00	S	SPACE ONLY SPARE	4
43	SPARE	S	0.00	0.00		70	3	1	20	0.00	0.00		S	SPARE	4
45	SPANL	S		0.00	0.00	10		1	20		0.00	0.00	S	SPARE	4
49		3			0.00		\vdash	1	20	0.00		0.00	S	SPARE	5
51	ESCALATOR NORTH	Н				40	3	1	20	0.00				LIGHTS RELAY	5
53								1	20			0.60	L	LIGHTS RELAY	5
55															5
57	ESCALATOR CENTEREWH-3					40	3	3	40					ESCALATOR SOUTH	5
59															6
61	WELLNESS ROOM LIGHTS	L	0.20			20	1			6.70			Н		6
63	SPARE					20	1	3	40		6.70		Н	EWH-3	6
65	SPARE		0.70			20	1	\blacksquare		0.70		6.70	H		6
67	EWH-3	H	6.70	6.70		40	3	3	40	6.70	6.70		H	EWH-3	7
71	211110	Н		0.70	6.70	70			40		0.70	6.70	Н	24410	7
73		Н	6.70		0.70			1	20			0.70		SPACE ONLY	7.
75	EWH-3	Н		6.70		40	3	1	20					SPACE ONLY	7
77		Н			6.70			1	20					SPACE ONLY	7
79	SPACE ONLY					20	1	1	20					SPACE ONLY	8
81	SPACE ONLY					20	1	1	20					SPACE ONLY	8
83	SPACE ONLY					20	1	1	20					SPACE ONLY	8
				SUB FE	ED LUG	S AS INDI	CA	TED,	IF BLA	NK (NOT	USED)				
		Н													
		Н													
		Ц	18.0	16.4	16.1					15.7	15.8	17.7	Τ		
		-	16.0	10.4	10.1]				15.7	15.6	17.7	_		
			CONN.		DEMA ND]		TC	TAL C	ONNECTE	ED KVA:	99.70)		
			LOAD	DEMA ND	LOAD		TO	TAL (CONNE	CTED AN	/IPS/PH:	120)		
			(KVA)	FACTOR	(KVA)					L DEMAN			3_		
	LIGHTING (L)	-	19.30	1.25	24.13			TOT	AL DEI	MAND AN	/IPS/PH:	126	<u> </u>		
	RECEPTACLES 1ST 10 KVA(R)	-	0.00	1.00	0.00										
	RECEPTACLES OVER 10KVA(R)	-	0.00	0.50	0.00	-			AL NO			1100 -	·	E DANIEL IN ACCORDANCE WEEK	A 70 -
	HVAC EQUIPMENT (H)	-	80.40	1.00	80.40	-	a.				H LABE	LING FO	JK TH	E PANEL IN ACCORDANCE WITH NFPA	4 /0&
	APPLIANCES (A) EQUIPMENT (E)	-	0.00	1.00	0.00	1	90		PECIFIE IJI F N	D. OTES:					
	LARGEST MOTOR (M)	\vdash	0.00	1.00	0.00	1	30	JI I E L	OLE IN	OIES.					
	OTHER (O)	-	0.00	1.25	0.00	†									
	SPARE (S)	-	0.00	1.00	0.00	1									

LIGHTING FIXTURE SCHEDULE									
2EH2	2EH11	4EH6	LP11						
RP11-2	ı	ı	LPII						

935 Lake Baldwin Lane Orlando, Fl. 32814 Tel: 407-767-5188 FAX: 407-767-5772 WWW.SGMENGINEERING.COM COPYRIGHT © 2018 SGM ENGINEERING, INC.

Client Name:	
	Drange County Convention Center WEST CONCOURSE 9800 INTERNATIONAL DR. ORLANDO, FL 32819

Issue:	03-19-19 1	00% BID DOCUMENTS
No.	Date	Description
2		

OCCC NETWORK
WELLNESS ROOM
BUILDOUTS **BUILDING**

Project Number: 2018-167	Drawing File Name: 1600-E701-2018167
Scale: AS SHOW	VN Seal:
Design By: MEII	Seal: OWE MUMILIAN LICENSE WORK
Drawn By: MEII	TIS VICENSE
Checked By: MEII	
Engineer of Record:	STATE OF
JUSTIN L. MUNDELL	_ TORIDA
License Number:	STATE OF CORIDA CONTINUENT OF CORIDA
FL70700	TATE OF TO ORI DA STATE

ELECTRICAL PANEL SCHEDULES

E7.001

CONTROL - NO SWITCH

Issue: 03-19-19 100% BID DOCUMENTS

935 LAKE BALDWIN LANE ORLANDO, FL. 32814 TEL: 407-767-5188 FAX: 407-767-5772 www.sgmengineering.com Copyright © 2018 SGM Engineering, Inc.

WEST CONCOURSE 9800 INTERNATIONAL DR. ORLANDO, FL 32819

OCCC NETWORK
WELLNESS ROOM
BUILDOUTS **BUILDING**

Project Number:		Drawing File Name: 1600-F801-2018167
2018–167		1000 2001 2010107
Scale:	AS SHOWN	Seal:
Design By:	MEII	Seal: OWE MUMILIAN LICENSE SOLUTION
Drawn By:	MEII	IN THENSE TO
Checked By:	MEII) No. 70700 二
		★ . ★ .★
Engineer of Record:		STATE OF C
JUSTIN L. MUNDELL		TORIOR WILL
License Number:		The Strain of the strain
FL70700		MAL ENGINEER

ELECTRICAL DETAILS

E8.001