ORANGE COUNTY CONVENTION CENTER

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TERESA JACOBS



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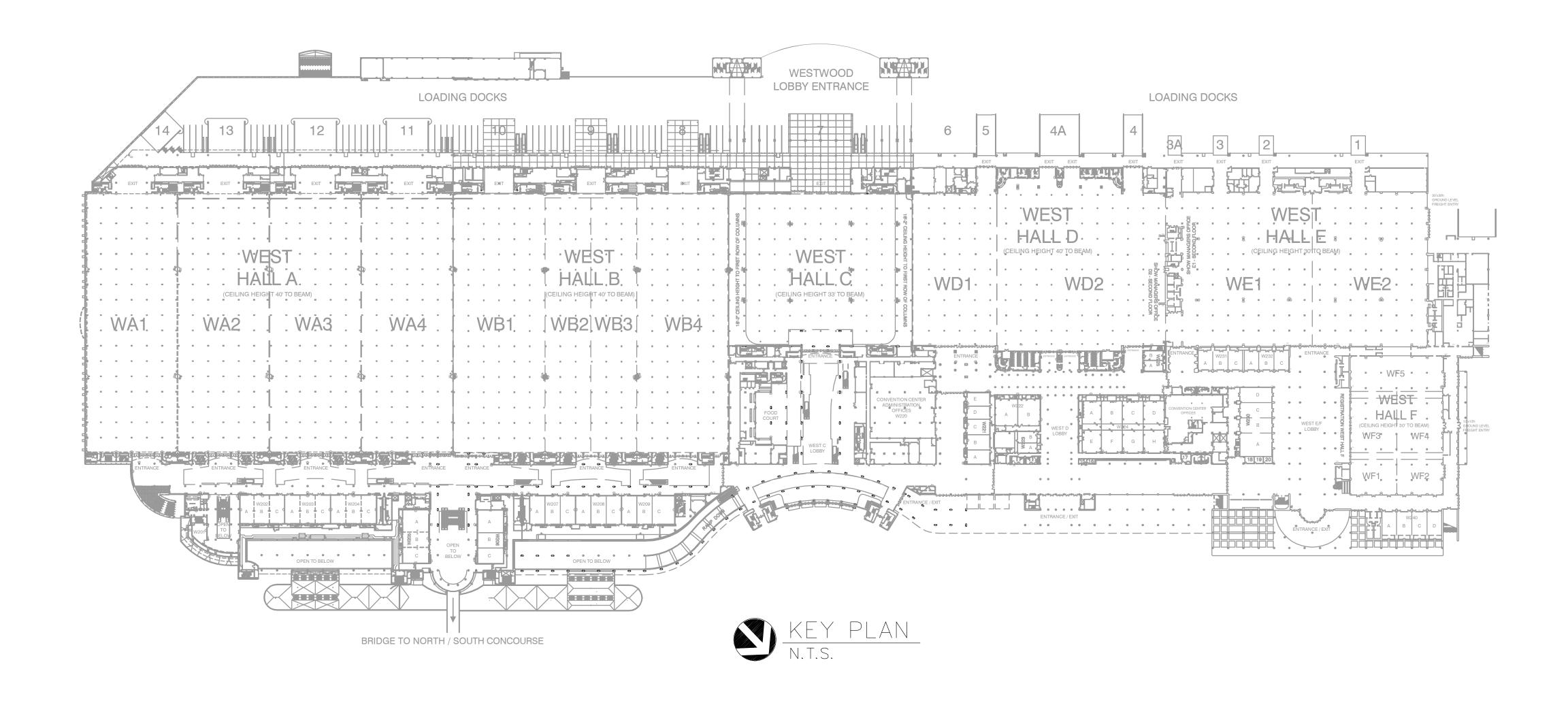
DISTRICT 5 COMMISSIONER

TED EDWARDS

DISTRICT 6 COMMISSIONER

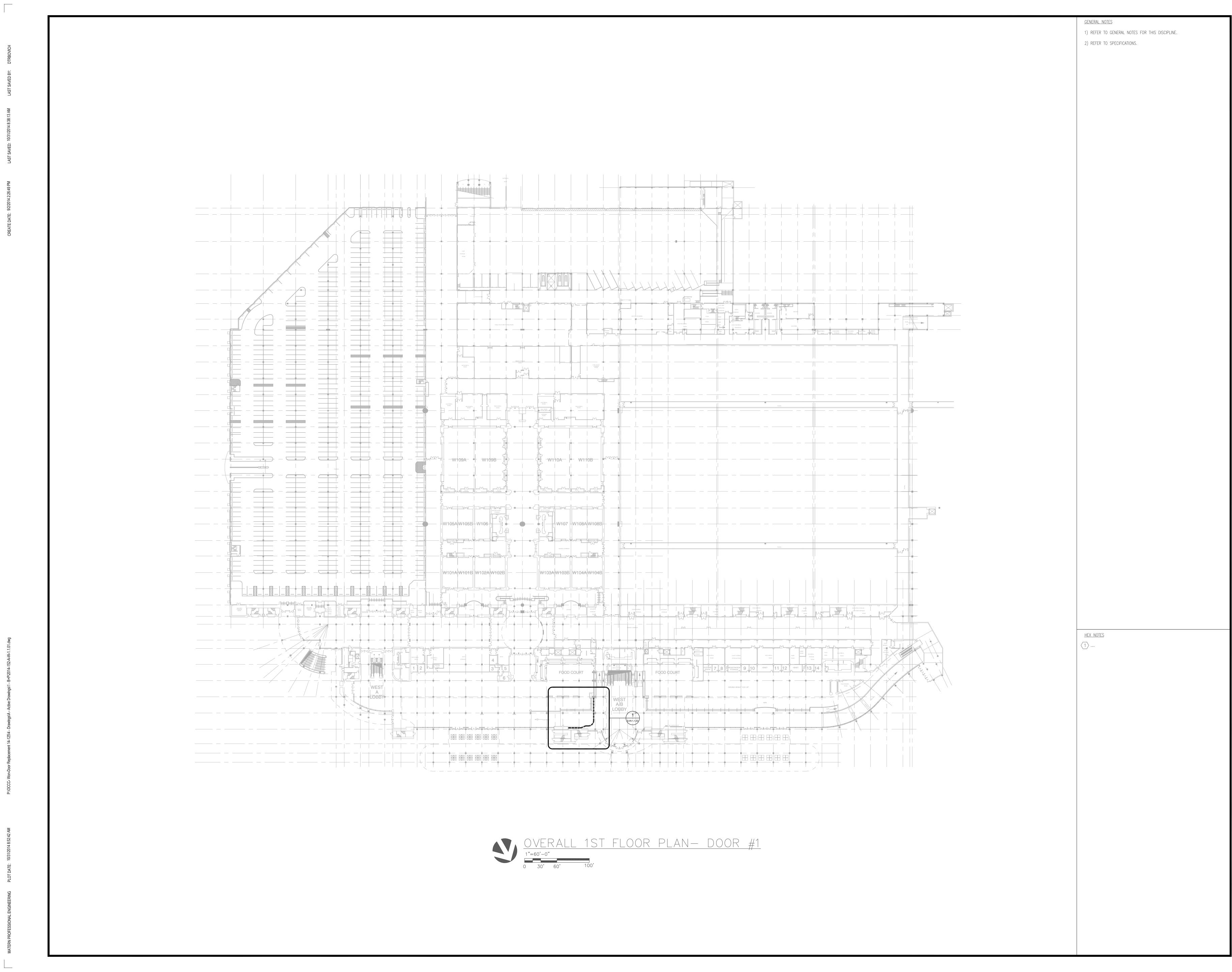
TIFFANY MOORE RUSSELL

WEST BUILDING HORIZONTAL SLIDING FIRE DOOR REPLACEMENT



SHEET NO.	ARCHITECTURAL SHEET INDEX	SCAL
A-W-1.1.01	OVERALL FIRST FLOOR PLAN - ARCHITECTURE	1"=60'-
A-W-1.1.02	FIRST FLOOR PLAN AREA 43 - ARCHITECTURE	1/8"=1"
A-W-1.2.01	OVERALL 2ND FLOOR PLAN - ARCHITECTURE	1"=80'-
A-W-1.2.02	2ND FLOOR PLAN AREA 43 - ARCHITECTURE	1/8"-1'-
A-W-1.5.01	DOOR DETAILS - ARCHITECTURE	AS NOT
SHEET NO.	ELECTRICAL SHEET INDEX FOR	SCAL
E-W-0.0.01	GENERAL NOTES, SYMBOL LEGEND, & SHEET INDEX	1/8" = 1
E-W-1.1.01	PARTIAL OVERALL FLOOR PLANS - ELECTRICAL	1" = 60
ED-W-1.2.43	DEMO FLOOR PLAN AREA 43 - ELECTRICAL	1/8" = 1
E-W-1.2.43	RENO FLOOR PLANS AREA 43 - ELECTRICAL	1/8" = 1
E-W-9.0.01	ELECTRICAL DETAILS	NONE





MATERN
PROFESSIONAL
ENGINEERING
MEP/FP Engineering
Consultants - A Solutions
Based Firm

ORLANDO I Fort Myers I Jacksonville I Tampa
Matern Professional Engineering, Inc
130 Candace Drive
Maitland, FI 32751-3331
PHONE (407) 740-5020 FAX (407) 740-0365

PHONE (407) 740-5020

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ENG. BUS. No. EB-0005096

CERT. OF AUTH. No. 5096

ORANGE COUNTY
CONVENTION
CENTER
WEST BUILDING
HORIZONTAL
SLIDING FIRE DOOR
REPLACEMENT

Revisions

No. Date Description

MPE PROJ#: 2014-152

Designed By: B+P

Drawn By: B+P

Checked By: B+P

Issue Date: 10/31/14

Drawing Title:

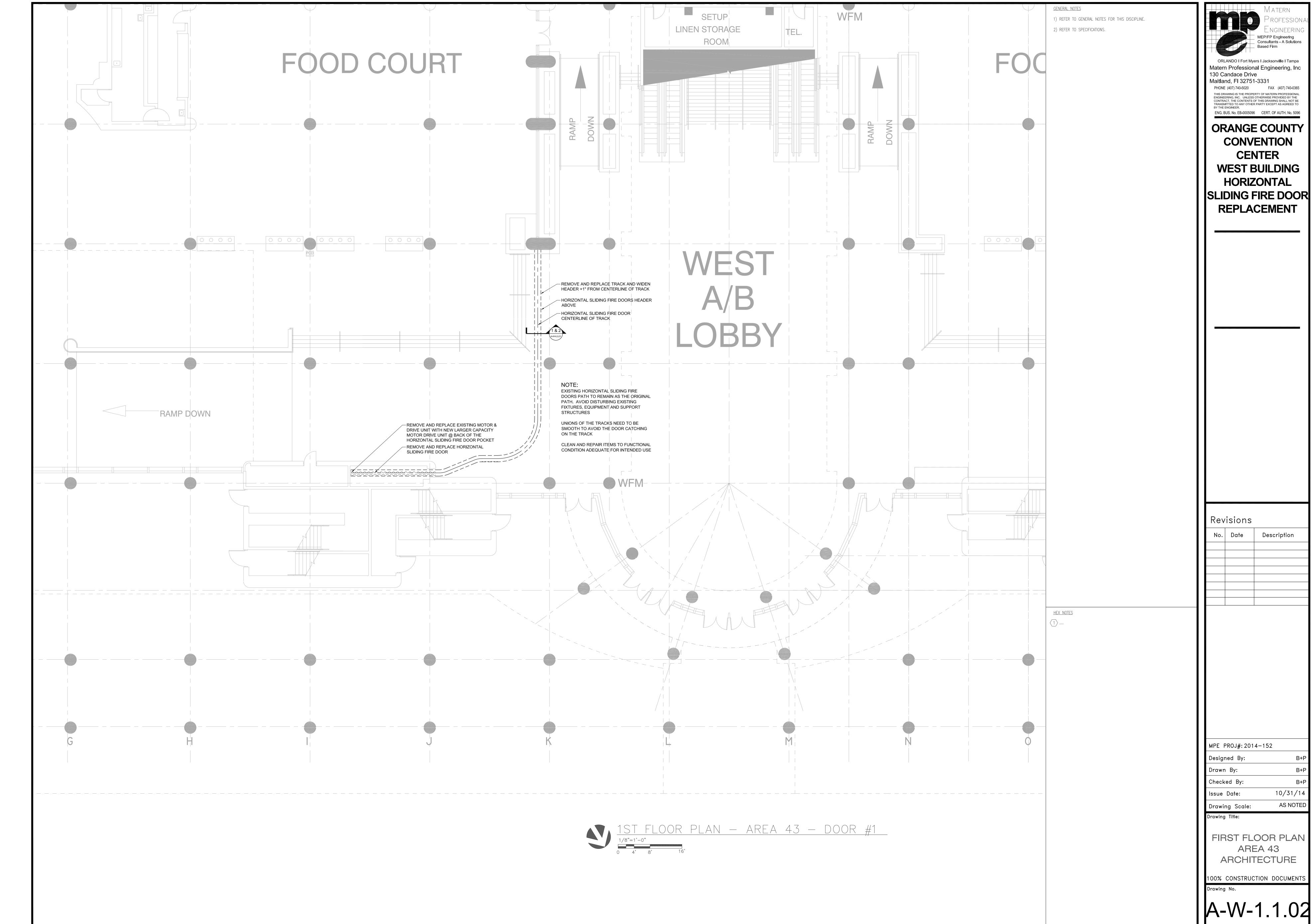
Drawing Scale:

OVERALL FIRST FLOOR PLAN ARCHITECTURE

100% CONSTRUCTION DOCUMENTS

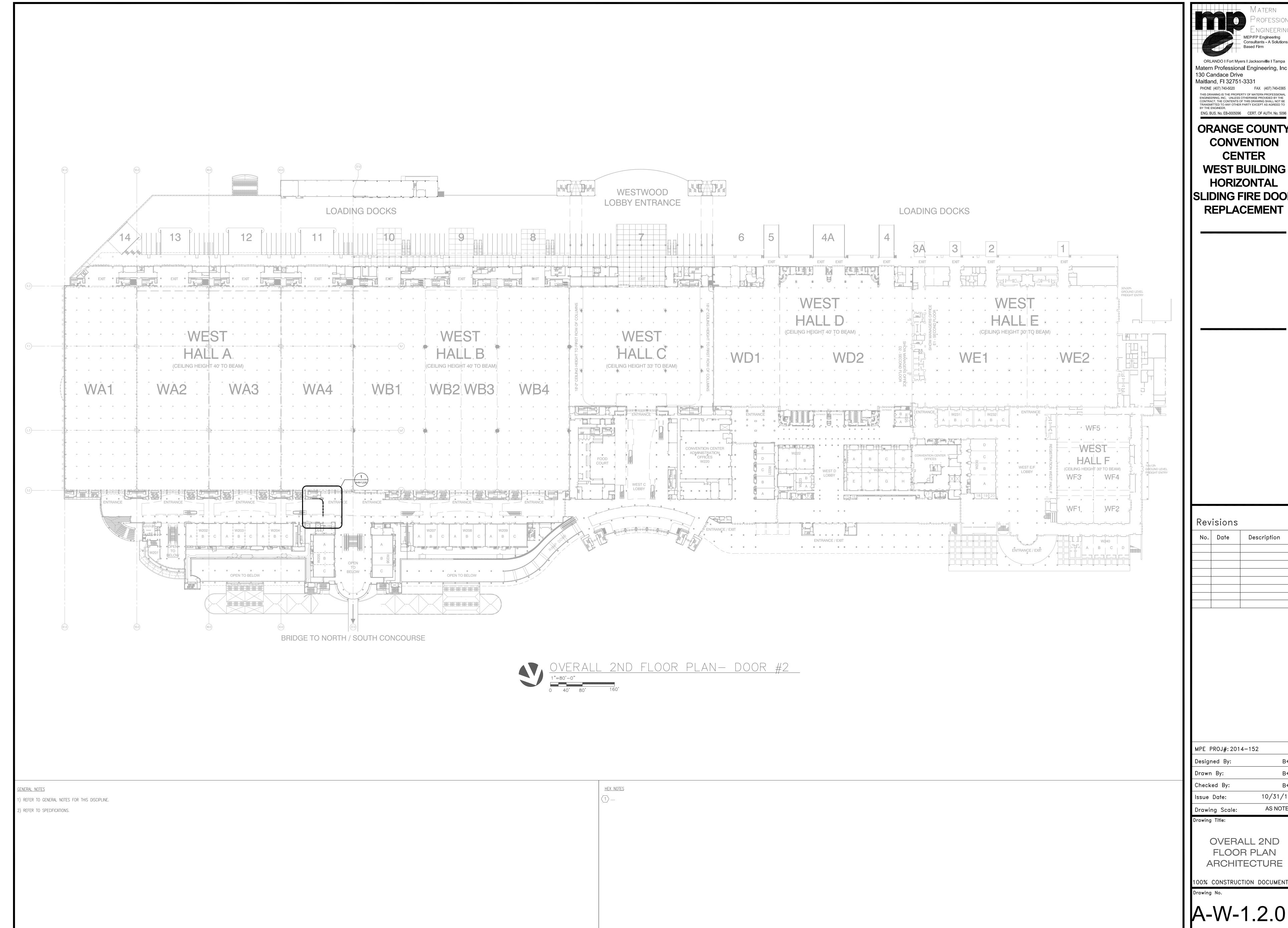
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A-W-1.1.01



No.	Date	Description

esigned By:	B+P
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rawina Scale:	AS NOTED



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ORANGE COUNTY CONVENTION **CENTER WEST BUILDING** HORIZONTAL SLIDING FIRE DOOR

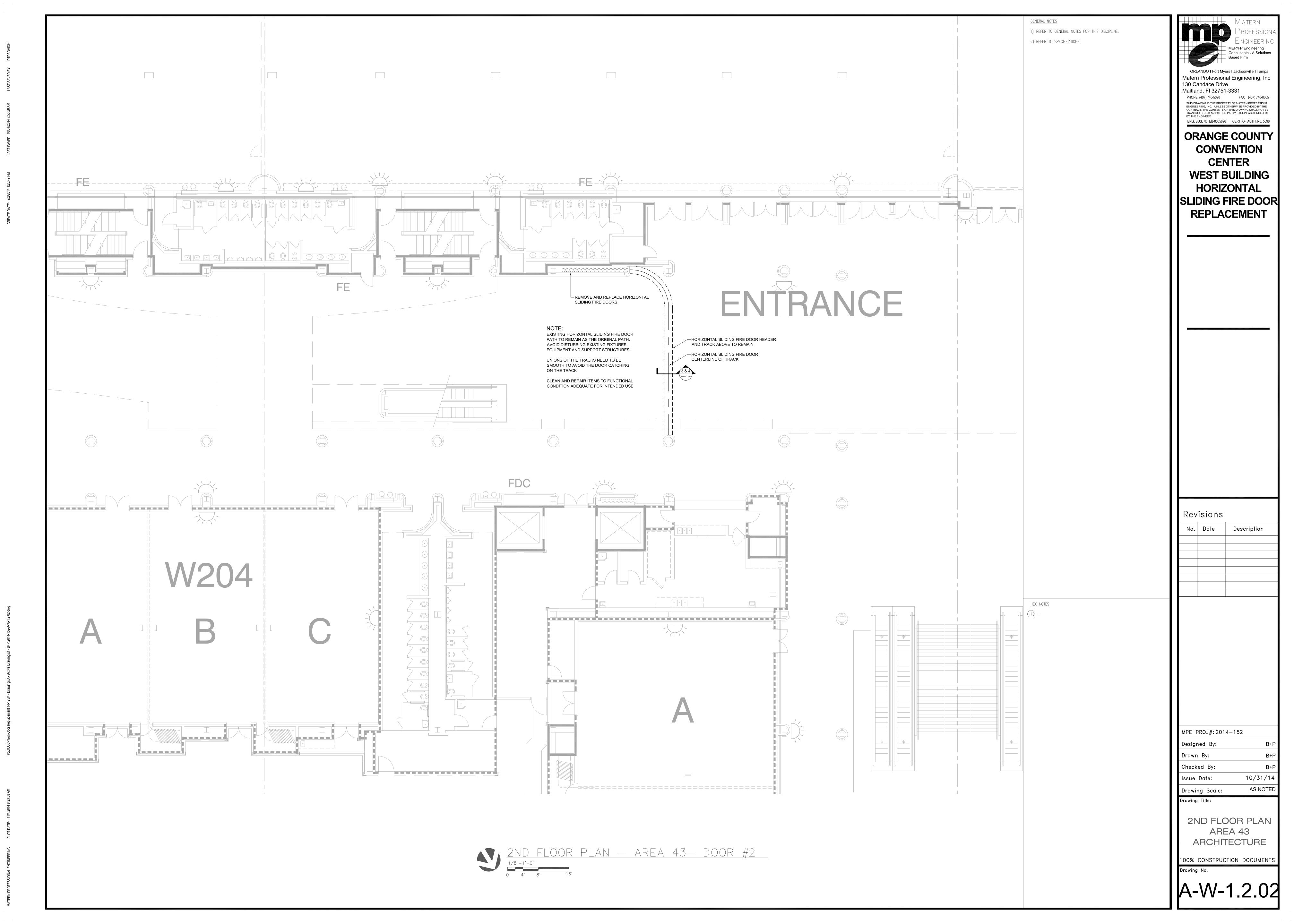
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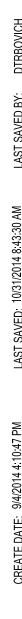
10/31/14

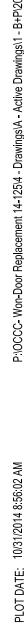
AS NOTED

OVERALL 2ND FLOOR PLAN

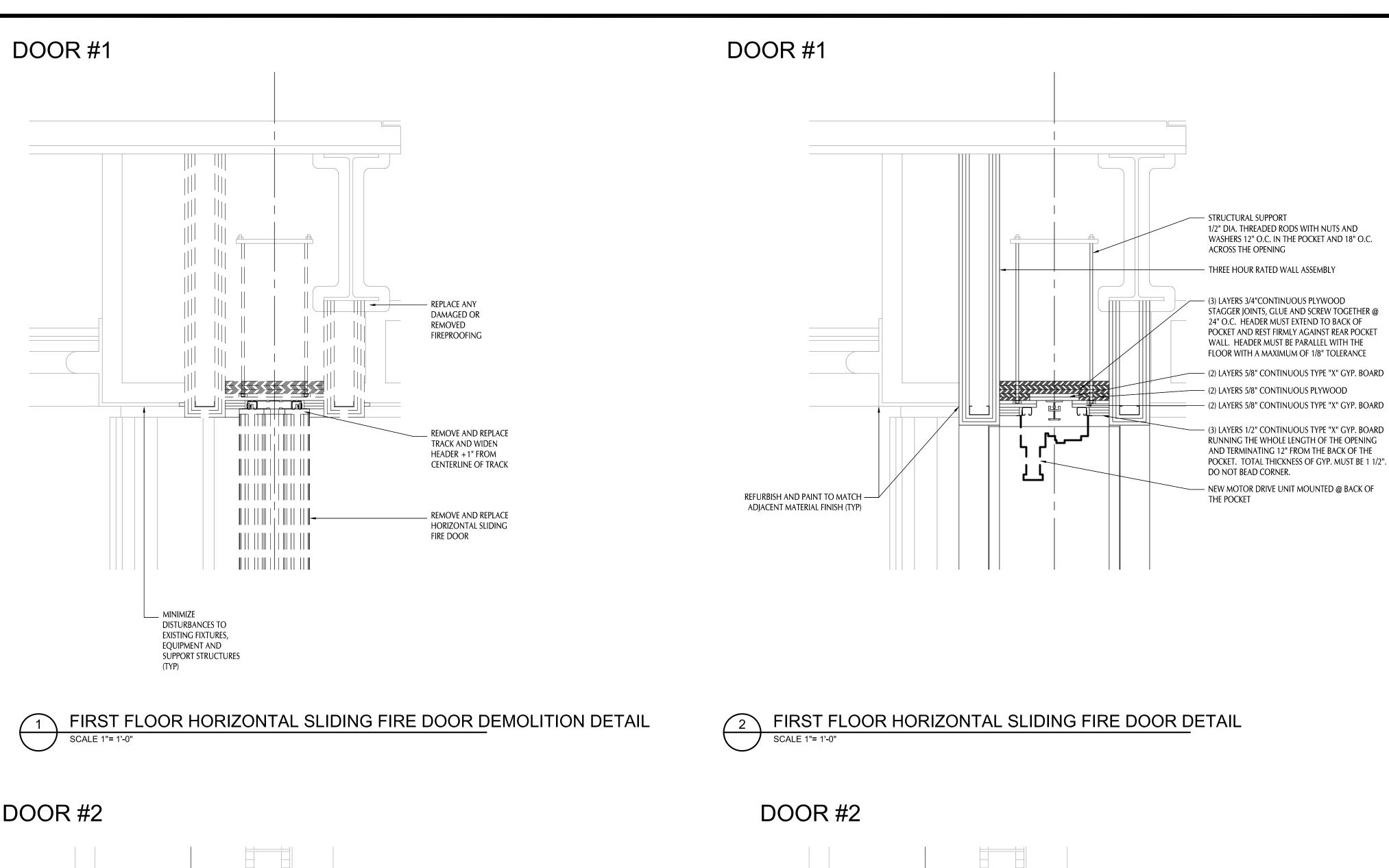
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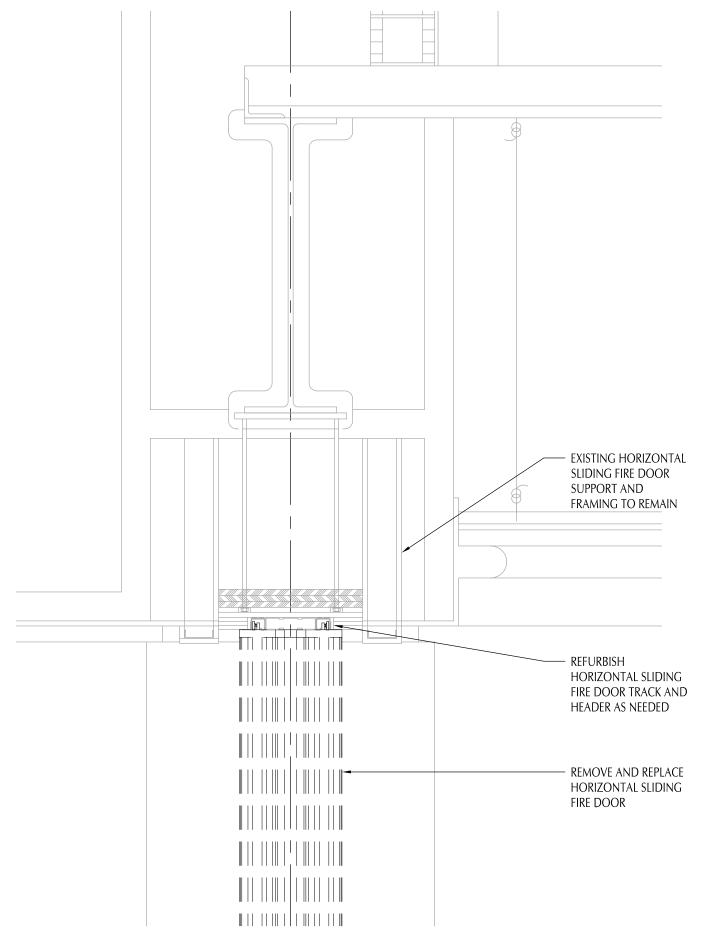






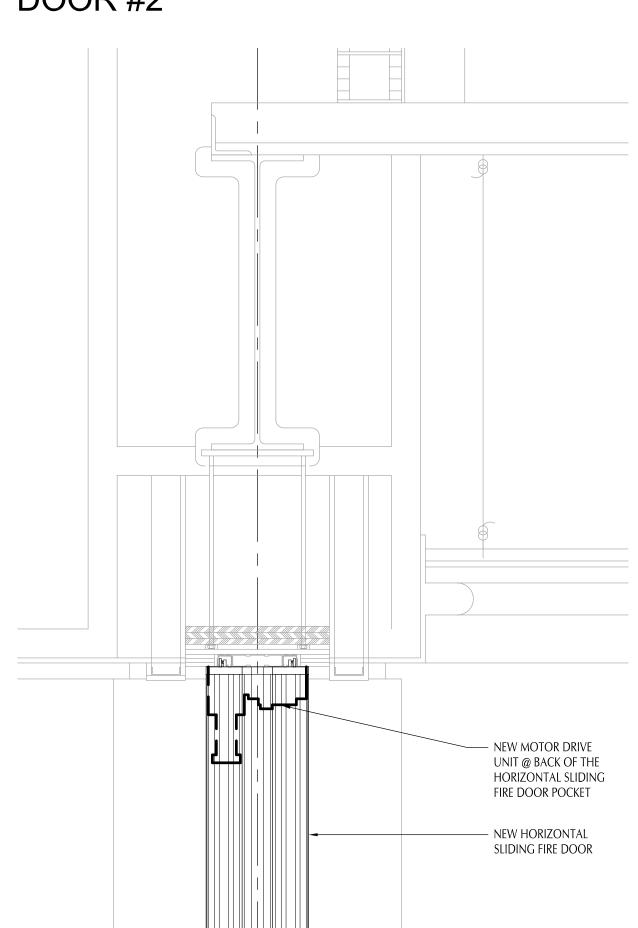


DOOR #2



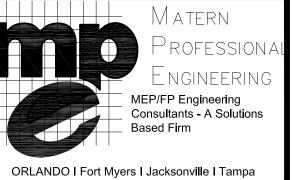
SECOND FLOOR HORIZONTAL SLIDING FIRE DOOR DEMOLITION DETAIL

SCALE 1"= 1'-0"



SECOND FLOOR HORIZONTAL SLIDING FIRE DOOR DETAIL

SCALE 1"= 1'-0"



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ORANGE COUNTY CONVENTION **CENTER WEST BUILDING** HORIZONTAL SLIDING FIRE DOOR **REPLACEMENT**

Revisions

No.	Date	Description

MPE PROJ#: 2014-152

Designed By:	B+F
Drawn By:	B+F
Checked By:	B+F
Issue Date:	10/31/14
Drawing Scale:	AS NOTED
Drawing Title:	

DOOR DETAILS ARCHITECTURE

100% CONSTRUCTION DOCUMENTS

GENERAL NOTES

- 1. 120 VOLT BRANCH CIRCUITS, WHERE THE LENGTH OF CIRCUIT CONDUCTORS COMPLETE FROM CIRCUIT BREAKER IN SOURCE PANEL TO ANY DEVICE ON THE CIRCUIT IS 0-100 FEET FROM THE PANEL, ARE TO HAVE #12 MINIMUM BRANCH CIRCUIT WIRING THROUGHOUT CIRCUIT. (CONDUIT SIZE PER SPECIFICATION
- 2. 120 VOLT BRANCH CIRCUITS, WHERE THE LENGTH OF CIRCUIT CONDUCTORS COMPLETE FROM CIRCUIT BREAKER IN SOURCE PANEL TO ANY DEVICE ON THE CIRCUIT IS 101-175 FEET FROM THE PANEL, ARE TO HAVE #10 MINIMUM BRANCH CIRCUIT WIRING HOMERUN (3/4°C.) FROM PANEL CIRCUIT BREAKER TO FIRST DEVICE AND #12 BRANCH CIRCUIT WIRING THROUGHOUT THE REMAINDER OF THE CIRCUIT. (CONDUIT SIZE PER SPECIFICATION AND NEC). FIRST 75 FEET OF COMBINED HOMERUN AND BRANCH CIRCUIT TO BE MINIMUM #10 WIRE. $(3/4^{\circ}C)$.
- 3. 120 VOLT BRANCH CIRCUITS, WHERE THE LENGTH OF CIRCUIT CONDUCTORS COMPLETE FROM CIRCUIT BREAKER IN SOURCE PANEL TO ANY DEVICE ON THE CIRCUIT IS 176-225 FEET FROM THE PANEL, ARE TO HAVE #10 MINIMUM BRANCH CIRCUIT WIRING HOMERUN (3/4°C.) FROM PANEL CIRCUIT BREAKER TO FIRST DEVICE AND #10 BRANCH CIRCUIT WIRING THROUGHOUT THE REMAINDER OF THE CIRCUIT (3/4°C.)
- 4. 120 VOLT BRANCH CIRCUITS, WHERE THE LENGTH OF CIRCUIT CONDUCTORS COMPLETE FROM CIRCUIT BREAKER IN SOURCE PANEL TO ANY DEVICE ON THE CIRCUIT IS 226 FEET OR MORE FROM THE PANEL, ARE TO HAVE #8 MINIMUM BRANCH CIRCUIT WIRING HOMERUN (1"C.) FROM PANEL CIRCUIT BREAKER TO FIRST DEVICE AND #10 BRANCH CIRCUIT WIRING THROUGHOUT THE REMAINDER OF THE CIRCUIT (3/4"C.). FIRST 125 FEET OF COMBINED HOMERUN AND BRANCH CIRCUIT TO BE MINIMUM #8 WIRE (1"C.)
- 5. ALL 120 VOL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS FOR EACH CIRCUIT.
- 6. VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.
- READ SPECIFICATIONS.
- 8. SEE DETAILS AND BUILDING PLANS.
- 9. WHERE CONDUIT ROUTING IS SHOWN, THE CONDUITS ARE SHOWN FOR DIAGRAMMATIC PURPOSES AND ARE NOT NECESSARILY REPRESENTATIVE OF EXACT PLACEMENT. THE ROUTINGS SHOWN ARE PROPOSED CONDUIT ROUTINGS. CONTRACTOR TO COORDINATE ALL ROUTING WITH OTHER TRADES PRIOR TO BID. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND ROUTING OF CONDUIT PRIOR TO BID. CONTRACTOR IS RESPONSIBLE FOR RELOCATING CONDUIT FROM THE PROPOSED ROUTING SHOWN TO THE ROUTING REQUIRED TO FACILITATE INSTALLATION PER SPECIFICATIONS AND APPLICABLE CODES, COMPLETE WITH ALL COORDINATION AND EXISTING CONDITIONS TAKEN INTO ACCOUNT. CONTRACTOR IS RESPONSIBLE FOR ALL CEILING AND WALL REPAIR/REPLACEMENT AFTER ROUTING OF CONDUIT.
- 10. SPLICES IN POWER AND LIGHTING OUTLET BOXES SHALL BE KEPT TO A MINIMUM, PULL CONDUCTORS THROUGH TO DEVICES, EQUIPMENT CABINETS/PANELBOARDS. SPLICING IN WIREWAYS IS NOT PERMITTED UNLESS SPECIAL WRITTEN PERMISSION IS GRANTED BY A/E.
- 11. NO SPLICES SHALL BE MADE IN COMMUNICATIONS OUTLET BOXES OR PULL BOXES (I.E., FIRE ALARM, COMPUTER, TELEPHONE, ETC.) UNLESS SPECIFIC WRITTEN APPROVAL HAS BEEN GIVEN BY ENGINEER. PULL CABLES THROUGH TO EQUIPMENT/TERMINAL CABINETS.
- 12. CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES. REGULATIONS AND GUIDELINES APPLICABLE. MATERIALS SHALL BE TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH ALL DEP AND EPA GUIDELINES APPLICABLE AT TIME OF DISPOSAL. CONTRACTOR SHALL PROVIDE OWNER WITH WRITTEN CERTIFICATION OF ACCEPTED DISPOSAL.
- 13. EXISTING CONDITIONS AND UTILITIES INDICATED ARE TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS. VARIOUS SURVEYS, AND FIELD INVESTIGATIONS. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN ROUTING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED A PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
- 14. REMOVE EXISTING POWER, LIGHTING, SYSTEMS, MATERIAL AND EQUIPMENT WHICH ARE MADE OBSOLETE OR WHICH INTERFERE WITH THE CONSTRUCTION OF THE PROJECT.
- 15. REINSTALL ANY SUCH POWER. LIGHTING. SYSTEMS. MATERIALS AND EQUIPMENT WHICH ARE REQUIRED TO REMAIN ACTIVE FOR THE FACILITY TO BE FULLY FUNCTIONAL.
- 16. ALL EXISTING ELECTRICAL IS NOT SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID. AND INCLUDE IN HIS BID THE REMOVAL OF ALL ELECTRICAL EQUIPMENT, WIRE, CONDUIT, DEVICES, FIXTURES, ETC. THAT IS NOT BEING REUSED, BACK TO ITS SOURCE.
- 17. ALL RECEPTACLES, DEVICES AND EQUIPMENT NOT SHOWN, AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. FURNISH AND INSTALL ACCESSIBLE JUNCTION BOXES AND REWORK EXISTING CIRCUITS AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO RECEPTACLES, DEVICES AND EQUIPMENT REMAINING.
- 18. ALL CONDUIT TO BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E. EXPOSED CEILINGS, BUILDING EXTERIOR WALL RUNS, IMPOSSIBLE UNDERGROUND RUNS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR IN WALL/COUNTERS.
- 19. CUT AND PATCH EXISTING WALL(S) TO ACCOMMODATE CONDUIT SYSTEM AND ASSOCIATED OUTLET BOXES AND/OR TO REFEED EXISTING DEVICES REQUIRED TO REMAIN ACTIVE AND AS SHOWN ON FLOOR PLAN. RESTORE WALL ASSEMBLY AND FINISHES TO LIKE NEW/ORIGINAL CONDITION, TYPICAL FOR ALL EXISTING WALLS REMAINING. COORDINATE WITH GENERAL CONTRACTOR PRIOR TO BID. THE USE OF FLEXIBLE CONDUIT CONCEALED DOWN EXISTING WALL(S) WITH WORK TYPE CUT IN BOXES "ARE NOT" ACCEPTABLE UNLESS SPECIAL WRITTEN PERMISSION UNDER SPECIAL CONDITIONS IS AUTHORIZED BY A/E AND GOAA. WHERE WRITTEN AUTHORIZATION IS GRANTED, A JUNCTION BOX SHALL BE INSTALLED DIRECTLY ABOVE ACCESSIBLE CEILING SPACE WITH FLEXIBLE CONDUIT DOWN WALL TO DEVICE(S). FLEXIBLE CONDUIT SHALL NOT EXCEED 6 FEET IN LENGTH.
- 20. ALL OUTLET BOXES WHERE FIXTURES OR DEVICES ARE REMOVED SHALL BE REMOVED AND CEILING OR WALL SHALL BE PATCHED TO MATCH EXISTING OR NEW FINISH. IF OUTLET BOX MUST REMAIN TO MAINTAIN CONTINUITY OF CIRCUITRY, AN APPROPRIATE ACCESSIBLE BLANK PLATE SHALL BE INSTALLED WITH FINISH TO MATCH EXISTING OR NEW, WHERE APPLICABLE. ALL OUTLET BOXES WHICH MUST BE REMOVED DUE TO REMOVAL OF WALL, AND WHICH MUST REMAIN ACTIVE IN ORDER TO MAINTAIN CIRCUIT CONTINUITY SHALL BE RELOCATED IN CEILING OR FLOOR, SHALL BE ACCESSIBLE, AND SHALL HAVE BLANK COVERPLATE AS DESCRIBED ABOVE.
- 21. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL EXISTING PANELBOARD SCHEDULES FOR PANELBOARDS RELATED/ASSOCIATED WITH OR WITHIN CONTRACT LIMITS WHETHER SHOWN ON PLANS OR NOT AS PART OF A COMPLETE AS-BUILT SET OF DRAWINGS. SCHEDULES SHALL SHOW FINAL CONFIGURATION, ETC. OF CIRCUITS, CIRCUIT BREAKERS, DIRECTORY, ETC.
- 22. ALL PANELS, CIRCUIT BREAKERS, JUNCTION BOXES, ETC. THAT ARE WITHIN AREA OF REMODEL SHALL BE PROPERLY IDENTIFIED AS PER SPECIFICATIONS.
- 23. ALL EXISTING CONDUIT, WIRE, FITTINGS, BOXES, ETC. REMAINING AND/OR UTILIZED WITHIN AREA OF REMODEL/RENOVATION MUST COMPLY WITH SPECIFICATIONS. ELECTRICAL COMPONENTS WHICH DO NOT COMPLY WITH SPECIFICATIONS, AND IS NOT IN COMPLIANCE WITH NATIONAL ELECTRICAL CODE AND LOCAL CODES SHALL BE REPLACED AND/OR REWORKED AT NO ADDITIONAL COST TO OWNER UNDER THIS CONTRACT (I.E. CONDUIT SIZING, ROUTING, SUPPORTS, ETC.).
- 24. PROVIDE NEW TYPED PANEL DIRECTORIES FOR ALL EXISTING FOR PANELBOARDS ASSOCIATED WITH CONTRACT WHETHER SHOWN ON PLANS OR NOT REGARDLESS IF SCHEDULES/CIRCUITRY HAS BEEN
- 25. PROVIDE NEW PHENOLIC LABELS (PER SPEC'S) ON ALL (2) TWO POLE AND (3) THREE POLE CIRCUIT BREAKERS WITHIN ALL EXISTING AND NEW PANELBOARDS ASSOCIATED WITH CONTRACT WHETHER SHOWN ON PLANS OR NOT REGARDLESS IF SCHEDULES/CIRCUITRY HAS BEEN CHANGED.

- 26. ALL EXISTING AND NEW CIRCUIT BREAKERS WITHIN EACH EXISTING PANELBOARD SHALL BE THE SAME MFG. TYPE, STYLE AND A.I.C. RATING OF EXISTING PANELBOARD REGARDLESS OF WHAT IS SHOWN ON PANEL SCHEDULE. FIELD VERIFY ALL EXISTING PANELBOARD(S) RELATED WITH CONTRACT AND REPLACE CIRCUIT BREAKERS AS NECESSARY TO COMPLY WITH THIS REQUIREMENT.
- 27. ALL CONCRETE, WALL PATCHING, CEILING REPAIR, WALL FINISHES, AND OTHER GENERAL WORK REQUIRED FOR INSTALLING ELECTRICAL SYSTEMS SHALL BE REPAIRED TO "LIKE NEW/ORIGINAL CONDITION." (COORDINATE WITH GENERAL CONTRACTOR PRIOR TO BID.)
- 28. ALL PATCHES OR CEILING PLATES SHALL BE PATCHED OR PAINTED AS DIRECTED BY ARCHITECT.
- 29. PAINT ALL EXPOSED CONDUIT, BOXES, ETC. TO MATCH WALL SURFACE.
- 30. ALL OPENINGS IN FIRE RATED WALLS AND FLOORS, ETC. MADE BY RENOVATION SHALL BE SEALED AND FIREPROOFED. PROVIDE AND INSTALL FIRESTOPPING ON ALL NEW OR EXISTING CONDUIT AND/OR CABLE THAT PENETRATES ANY FIRE RATED NEW OR EXISTING WALL IN ALL AREAS AFFECTED BY THIS PROJECT. VERIFY LOCATION OF FIRE RATED WALLS WITH ARCHITECTURAL PLANS PRIOR TO BID. FIRESTOPPING SYSTEM SHALL BE AS REQUIRED BY UL FOR RATING OF WALL AND CONDUIT/CABLE PENETRATION.
- 31. PROVIDE ALL ELECTRICAL REQUIRED TO REMOVE AND REPLACE CEILING LIGHT FIXTURES AS REQUIRED TO FACILITATE INSTALLATION OF NEW CONDUIT. COORDINATE WITH ALL TRADES AND CONTRACTOR PRIOR TO BID. LIGHT FIXTURES ARE TO BE REPLACED IN CONDITION TO MATCH EXISTING.
- 32. ALL ITEMS REMOVED AND NOT RE-USED SHALL BE IMMEDIATELY TURNED OVER TO OWNER AS THEY ARE MADE AVAILABLE BY RENOVATION. REMOVE ITEMS FROM JOB SITE AND DELIVER TO OWNERS STORAGE LOCATION(S) AS DIRECTED BY PROJECT MANAGER. DISCARD COMPLETE ITEMS WHICH OWNER ELECTS TO
- 33. WORK TO BE PERFORMED IN STRICT COMPLIANCE WITH ESTABLISHED WORK SCHEDULE BEING SET FORTH BY OWNER/TENANT. COORDINATE ALL WORK. THE CONTRACTOR SHALL FURNISH ADEQUATE FORCES, CONSTRUCTION PLANT, AND EQUIPMENT, AND SHALL WORK SUCH HOURS, INCLUDING NIGHT SHIFTS, OVERTIME OPERATIONS, SUNDAY, AND HOLIDAYS IN ACCORDANCE WITH THE OWNERS OPERATIONAL SCHEDULE. IF THE CONTRACTOR FALLS BEHIND PROGRESS REQUIRED IN THE OPERATIONAL SCHEDULE, THE CONTRACTOR SHALL TAKE SUCH STEPS AS MAY BE NECESSARY TO IMPROVE HIS PROGRESS, AND THE OWNER MAY REQUIRE HIM TO INCREASE THE NUMBER OF SHIFTS AND/OR OVERTIME OPERATIONS, DAY OF WORK AND/OR THE AMOUNT OF CONSTRUCTION PLANT, AT NO ADDITIONAL COST TO THE OWNER UNDER THIS CONTRACT. (IT SHALL BE UNDERSTOOD THAT SEVERAL BID PACKAGES MAY BE CONSTRUCTED BY VARIOUS CONTRACTOR/SUB-CONTRACTORS WITHIN THE SAME WORK SPACE SIMULTANEOUSLY.)
- 34. CONTRACTOR MAY REUSE EXISTING CONDUIT (MIN. OF 10' LENGTHS) AND ASSOCIATED FITTINGS, PULL BOXES, ETC., WHICH ARE IN "LIKE NEW CONDITION" AND WHICH MEET THE INTENT OF THE SPECIFICATIONS FOR NEW PRODUCTS. WHERE EXISTING RACEWAYS ARE REUSED, THE CONTRACTOR SHALL REMOVE EXISTING WIRING, PULL IN NEW WIRING, AND CONNECT TO NEW DEVICES AS SHOWN ON THE DRAWINGS AND CALLED FOR IN THE SPECIFICATIONS. REUSE OF EXISTING DEVICES AND WIRING SHALL NOT BE ALLOWED UNLESS SPECIFICALLY NOTED OTHERWISE. ALL EXISTING CONDUITS THAT ARE REUSED SHALL BE PERMANENTLY IDENTIFIED IN ACCORDANCE WITH THE SPECIFICATIONS.
- 35. USE OF MC CABLE IS NOT ACCEPTABLE.
- 36. MINIMUM CONDUIT SIZE IS 3/4" EXCEPT FOR FIXTURE WHIPS NOT EXCEEDING 6 FEET IN LENGTH AND FINAL EQUIPMENT CONNECTIONS NOT EXCEEDING 6 FEET IN LENGTH ARE PERMITTED TO BE ½".
- 37. EMT FITTINGS SHALL BE STEEL COMPRESSION TYPE WITH INSULATED THROAT. CONDUIT FITTINGS FOR RACEWAYS OTHER THAN EMT SHALL BE MADE OF STEEL OR MALLEABLE IRON AND SHALL HAVE AN INSULATED THROAT.
- 38. ALL CIRCUITS AND WIRING DEVICES SHALL BE RATED A MINIMUM OF 20 AMPS.
- 39. SPRING STEEL CONDUIT STRAPS AND HANGERS (IE CADDY TYPE) SHALL NOT BE UTILIZED. CEILING WIRES AND INDEPENDENT SUPPORT WIRES SHALL NOT BE USED FOR SUPPORT OF CONDUITS OR BOXES.

		SYMBOL LEGEND			_
SYMBOL	DESCRIPTION	DESIGN SELECTION	APPROVED SUBSTITUTION	APPROVED SUBSTITUTION	REMARKS
\$м	OUTLET BOX AND 20 AMP, 1P MANUAL MOTOR CONTROLLER WITHOUT OVERLOADS. RATED 1 HP @ 120V, 2 HP @ 277V.	P&S #PS20AC1	HUBBELL #HBL1221	OR APPROVED EQUAL	d
CLG H	CEILING OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE	P&S #5362	HUBBELL #HBL5352	LEVITON #5362	b,d
CFG ⊕	TWO GANG CEILING OUTLET BOX AND TWO 20 AMP DUPLEX RECEPTACLES	(2)-P&S #5362	(2)—HUBBELL #HBL5352	(2)-LEVITON #5362	b,d
•	FLUSH WALL JUNCTION BOX AND BLANK PLATE	STEEL CITY	RACO	OR APPROVED EQUAL	d
•	JUNCTION BOX AND BLANK PLATE ABOVE CEILING	STEEL CITY	RACO	OR APPROVED EQUAL	b,d
	SURFACE JUNCTION BOX AND BLANK PLATE, WALL MTD. OR MTD. TO CEILING/STRUCTURE AS INDICATED	STEEL CITY	RACO	OR APPROVED EQUAL	b, d, g, h
	CAST IRON ZINC PLATED SURFACE MTD. OUTLET BOX AND BLANK PLATE	APPLETON #FS-ID WITH #DS-100 COVER	OR APPROVED EQUAL		d, e, g, h
\(\rangle \)	MOTOR CONNECTION, AS NOTED				i
R	RELAY, AS NOTED				
C	CONTROL AND/OR POWER CONNECTION ON EQUIPMENT				i
	SYSTEMS PANEL - SURFACE MOUNTED	SEE SYSTEMS LEGEND/SPECS			i, j
	SYSTEMS PANEL - FLUSH MOUNTED	SEE SYSTEMS LEGEND/SPECS			i, j
	SYSTEMS TERMINAL BOARD AS NOTED	SEE SYSTEMS LEGEND/SPECS			
_	BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL. SLASH MARKS INDICATE NUMBER OF CONDUCTORS (GROUND WIRE NOT SHOWN). TWO CONDUCTORS PLUS GROUND REQUIRED (UNLESS OTHERWISE NOTED OR MARKED)				
<u>/</u> -\	BRANCH CIRCUIT CONDUIT CONCEALED BELOW SLAB OR UNDERGROUND				
4	BRANCH CIRCUIT CONDUIT EXPOSED				
CR	COMPUTER EQUIPMENT POWER BRANCH CIRCUITRY, CONCEALED. PROVIDE INDIVIDUAL NEUTRAL FOR EACH CIRCUIT COMPLETE FROM PANEL TO RECEPTACLE. DO NOT COMBINE NEUTRALS OF ONE CIRCUIT WITH NEUTRAL OF OTHER CIRCUIT, #10 AWG MINIMUM				
	HOME RUN WIRING. ONE CIRCUIT PER ARROW HEAD				
Т	CONDUIT CAPPED OFF				
<u></u>	CONDUIT CONTINUED				
o	CONDUIT RUN UP				
•	CONDUIT RUN DOWN				
-	CONDUIT SEAL—OFF FITTING	CROUSE HINDS	APPLETON	OR APPROVED EQUAL	е
—G—	GROUND WIRE, CONCEALED				
—— II	GROUND OR GROUND ROD AS NOTED				

		SYMBOL LEGEND			
SYMBOL	DESCRIPTION	DESIGN SELECTION	APPROVED SUBSTITUTION	APPROVED SUBSTITUTION	REMARKS
\$м	OUTLET BOX AND 20 AMP, 1P MANUAL MOTOR CONTROLLER WITHOUT OVERLOADS. RATED 1 HP @ 120V, 2 HP @ 277V.	P&S #PS20AC1	HUBBELL #HBL1221	OR APPROVED EQUAL	d
	CEILING OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE	P&S #5362	HUBBELL #HBL5352	LEVITON #5362	b,d
CLG ⊕	TWO GANG CEILING OUTLET BOX AND TWO 20 AMP DUPLEX RECEPTACLES	(2)-P&S #5362	(2)—HUBBELL #HBL5352	(2)—LEVITON #5362	b,d
@	FLUSH WALL JUNCTION BOX AND BLANK PLATE	STEEL CITY	RACO	OR APPROVED EQUAL	d
•	JUNCTION BOX AND BLANK PLATE ABOVE CEILING	STEEL CITY	RACO	OR APPROVED EQUAL	b,d
	SURFACE JUNCTION BOX AND BLANK PLATE, WALL MTD. OR MTD. TO CEILING/STRUCTURE AS INDICATED	STEEL CITY	RACO	OR APPROVED EQUAL	b, d, g, h
	CAST IRON ZINC PLATED SURFACE MTD. OUTLET BOX AND BLANK PLATE	APPLETON #FS-ID WITH #DS-100 COVER	OR APPROVED EQUAL		d, e, g, h
♦	MOTOR CONNECTION, AS NOTED				i
R	RELAY, AS NOTED				
C	CONTROL AND/OR POWER CONNECTION ON EQUIPMENT				i
	SYSTEMS PANEL — SURFACE MOUNTED	SEE SYSTEMS LEGEND/SPECS			i, j
	SYSTEMS PANEL - FLUSH MOUNTED	SEE SYSTEMS LEGEND/SPECS			i, j
	SYSTEMS TERMINAL BOARD AS NOTED	SEE SYSTEMS LEGEND/SPECS			
/	BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL. SLASH MARKS INDICATE NUMBER OF CONDUCTORS (GROUND WIRE NOT SHOWN). TWO CONDUCTORS PLUS GROUND REQUIRED (UNLESS OTHERWISE NOTED OR MARKED)				
<u></u>	BRANCH CIRCUIT CONDUIT CONCEALED BELOW SLAB OR UNDERGROUND				
	BRANCH CIRCUIT CONDUIT EXPOSED				
CR	COMPUTER EQUIPMENT POWER BRANCH CIRCUITRY, CONCEALED. PROVIDE INDIVIDUAL NEUTRAL FOR EACH CIRCUIT COMPLETE FROM PANEL TO RECEPTACLE. DO NOT COMBINE NEUTRALS OF ONE CIRCUIT WITH NEUTRAL OF OTHER CIRCUIT, #10 AWG MINIMUM				
	HOME RUN WIRING. ONE CIRCUIT PER ARROW HEAD				
\rightarrow	CONDUIT CAPPED OFF				
<u> </u>	CONDUIT CONTINUED				
_	CONDUIT DUN LID				1

	FIRE ALARM SYSTEM SYMBOL LEGEND				
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	MOUNTING		
MM	MONITOR MODULE		FLUSH		
AR	RELAY MODULE		FLUSH		
F	FIRE ALARM SYSTEM CONDUIT		CONCEALED		
+-	RACEWAY INTERCEPTION POINT (TYPICAL)	CONCEALED	CONCEALED		

FIRE ALARM SYSTEM GENERAL NOTES:

- 1. ALL RACEWAY TERMINATIONS SHALL HAVE BUSHINGS AND BE GROUNDED WHERE RACEWAY IS METAL.
- PROVIDE SYSTEM COMPLETE WITH ALL DEVICES, CABLES, PATHWAYS (RACEWAYS, CONDUITS, ETC).
- 3. ALL WIRE/CABLE SHALL BE IN A COMPLETE RACEWAY/CONDUIT SYSTEM. INSTALL/SIZE RACEWAY SYSTEM AS REQUIRED TO COMPLY WITH SPECIFICATIONS, THE N.E.C. AND AS RECOMMENDED BY
- MINIMUM RACEWAY/CONDUIT SIZE TO BE 1/2". INCREASE AS REQUIRED TO ACCOMMODATE CABLING/CONDUCTORS.
- PROVIDE AND INSTALL CABLE/WIRING AS RECOMMENDED BY MANUFACTURER AND APPLICABLE CODES AND STANDARDS, UNLESS OTHERWISE CALLED FOR ON DRAWINGS OR IN SPECIFICATIONS. WHERE
- CONFLICT EXISTS, THE LARGEST SIZE CALLED FOR SHALL BE USED. COORDINATE WITH AUTHORITY HAVING JURISDICTION.
- COORDINATE WITH OWNER ON REQUIREMENTS FOR MONITORING THE FIRE ALARM SYSTEM AND PROVIDE ALL ELECTRICAL.

		SYMBOL LEGEND			
SYMBOL	DESCRIPTION	DESIGN SELECTION	APPROVED SUBSTITUTION	APPROVED SUBSTITUTION	REMARKS
\$м	OUTLET BOX AND 20 AMP, 1P MANUAL MOTOR CONTROLLER WITHOUT OVERLOADS. RATED 1 HP @ 120V, 2 HP @ 277V.	P&S #PS20AC1	HUBBELL #HBL1221	OR APPROVED EQUAL	d
CLG	CEILING OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE	P&S #5362	HUBBELL #HBL5352	LEVITON #5362	b,d
CLG ⊕	TWO GANG CEILING OUTLET BOX AND TWO 20 AMP DUPLEX RECEPTACLES	(2)-P&S #5362	(2)—HUBBELL #HBL5352	(2)-LEVITON #5362	b,d
•	FLUSH WALL JUNCTION BOX AND BLANK PLATE	STEEL CITY	RACO	OR APPROVED EQUAL	d
	JUNCTION BOX AND BLANK PLATE ABOVE CEILING	STEEL CITY	RACO	OR APPROVED EQUAL	b,d
	SURFACE JUNCTION BOX AND BLANK PLATE, WALL MTD. OR MTD. TO CEILING/STRUCTURE AS INDICATED	STEEL CITY	RACO	OR APPROVED EQUAL	b, d, g, h
	CAST IRON ZINC PLATED SURFACE MTD. OUTLET BOX AND BLANK PLATE	APPLETON #FS-ID WITH #DS-100 COVER	OR APPROVED EQUAL		d, e, g, h
Q	MOTOR CONNECTION, AS NOTED				i
R	RELAY, AS NOTED				
C	CONTROL AND/OR POWER CONNECTION ON EQUIPMENT				i
	SYSTEMS PANEL - SURFACE MOUNTED	SEE SYSTEMS LEGEND/SPECS			i, j
	SYSTEMS PANEL - FLUSH MOUNTED	SEE SYSTEMS LEGEND/SPECS			i, j
	SYSTEMS TERMINAL BOARD AS NOTED	SEE SYSTEMS LEGEND/SPECS			
—	BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL. SLASH MARKS INDICATE NUMBER OF CONDUCTORS (GROUND WIRE NOT SHOWN). TWO CONDUCTORS PLUS GROUND REQUIRED (UNLESS OTHERWISE NOTED OR MARKED)				
<u> </u>	BRANCH CIRCUIT CONDUIT CONCEALED BELOW SLAB OR UNDERGROUND				
	BRANCH CIRCUIT CONDUIT EXPOSED				
	COMPUTER EQUIPMENT POWER BRANCH CIRCUITRY, CONCEALED. PROVIDE INDIVIDUAL NEUTRAL FOR EACH CIRCUIT COMPLETE FROM PANEL TO RECEPTACLE. DO NOT COMBINE NEUTRALS OF ONE CIRCUIT WITH NEUTRAL OF OTHER CIRCUIT, #10 AWG MINIMUM				
	HOME RUN WIRING. ONE CIRCUIT PER ARROW HEAD				
	CONDUIT CAPPED OFF				
	CONDUIT CONTINUED				
o	CONDUIT RUN UP				
•	CONDUIT RUN DOWN				
-	CONDUIT SEAL—OFF FITTING	CROUSE HINDS	APPLETON	OR APPROVED EQUAL	е
—G—	GROUND WIRE, CONCEALED				
—— II	GROUND OR GROUND ROD AS NOTED				

2)	DASHED ITEM DENOTES "DEMOLISH".
3)	THIN LINEWORK ITEM DENOTES "EXISTING".
4)	"R" BY DEVICE DENOTES EXISTING TO BE REMOVED COMPLETELY.

1) ALL DEVICES TO BE GREY WITH SMOOTH METAL #302 S.S. PLATES UNLESS OTHERWISE NOTED.

5) "H" BY DEVICE DENOTES DEVICE TO BE MOUNTED HORIZONTALLY.

6) MOUNT SWITCHES AT 48" AFF TO TOP. 7) SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

8) ALL ITEMS NOTED ON THE LEGENDS DO NOT NECESSARILY APPEAR ON PLANS.

a) U.L. LISTED FOR WET LOCATION IN CLOSED POSITION.

- b) SUPPORT OUTLET BOX FROM STRUCTURE WITH (1) 3/8" ALL THREADS MINIMUM. BOXES LARGER
 - THAN 25 SQUARE INCHES SHALL BE SUPPORTED WITH (2) 3/8" ALL THREADS MINIMUM.
- c) U.L. LISTED FOR WET LOCATION IN OPEN POSITION WITH ATTACHMENT PLUG INSERTED. d) JUNCTION/OUTLET BOX SHALL BE SIZED AS REQUIRED FOR CONDUCTOR/DEVICE FILL PER N.E.C.
- e) THREADED CONDUIT HUBS SHALL BE SIZED AND CONFIGURED AS REQUIRED FOR APPLICATION.
- f) IF WITHIN 30 MILES OF THE COAST LINE, COPPER FREE CAST ALUMINUM OUTLET BOXES SHALL BE USED FOR EXTERIOR APPLICATIONS.
- g) PROVIDE KINDORF MTG. RACK FOR FREE STANDING APPLICATIONS. KINDORF SHALL BE PVC COATED FOR EXTERIOR APPLICATIONS. ALL CUT ENDS ARE TO BE SEALED. h) WHEN SURFACE JUNCTION BOX SYMBOL IS COMBINED WITH DEVICE SYMBOL, PROVIDE APPROPRIATE
- i) MAINTAIN WORKING CLEARANCES IN STRICT ACCORDANCE WITH N.E.C. COORDINATE EXACT LOCATION OF EQUIPMENT WITH ALL DISCIPLINES (I.E. STRUCTURAL, HVAC, PLUMBING, FIRE PROTECTION, KITCHEN, MILLWORK, ETC.) PRIOR TO ROUGH-IN TO MAINTAIN CLEARANCES.
- j) OUTLET BOX SHALL BE SIZED PER SYSTEM INSTALLER REQUIREMENTS.

SURFACE PLATE FOR OUTLET APPLICATION.

SHEET NO.	ELECTRICAL SHEET INDEX FOR	SCALE
E-W-0.0.01	GENERAL NOTES, SYMBOL LEGEND, & SHEET INDEX	NO SCALE
E-W-1.1.01	PARTIAL OVERALL FLOOR PLANS - ELECTRICAL	1" = 60'-0"
ED-W-1.2.43	DEMO FLOOR PLAN AREA 43 - ELECTRICAL	1/8" = 1'-0"
E-W-1.2.43	RENO FLOOR PLAN AREA 43 - ELECTRICAL	1/8" = 1'-0"
E-W-9.0.1	ELECTRICAL DETAILS	NO SCALE



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BY THE ENGINEER. ENG. BUS. No. EB-0005096 CERT. OF AUTH. No. 5096

ORANGE COUNTY **CONVENTION** CENTER **WEST BUILDING HORIZONTAL ISLIDING FIRE DOOR**

REPLACEMENT

MPE PROJ#: 2014-152

Designed By: Drawn By: CET Checked By: 10/31/14 Issue Date:

NO SCALE

Drawing Scale: Drawing Title:

Revisions

No.| Date

Description

GENERAL NOTES, SYMBOL LEGEND &

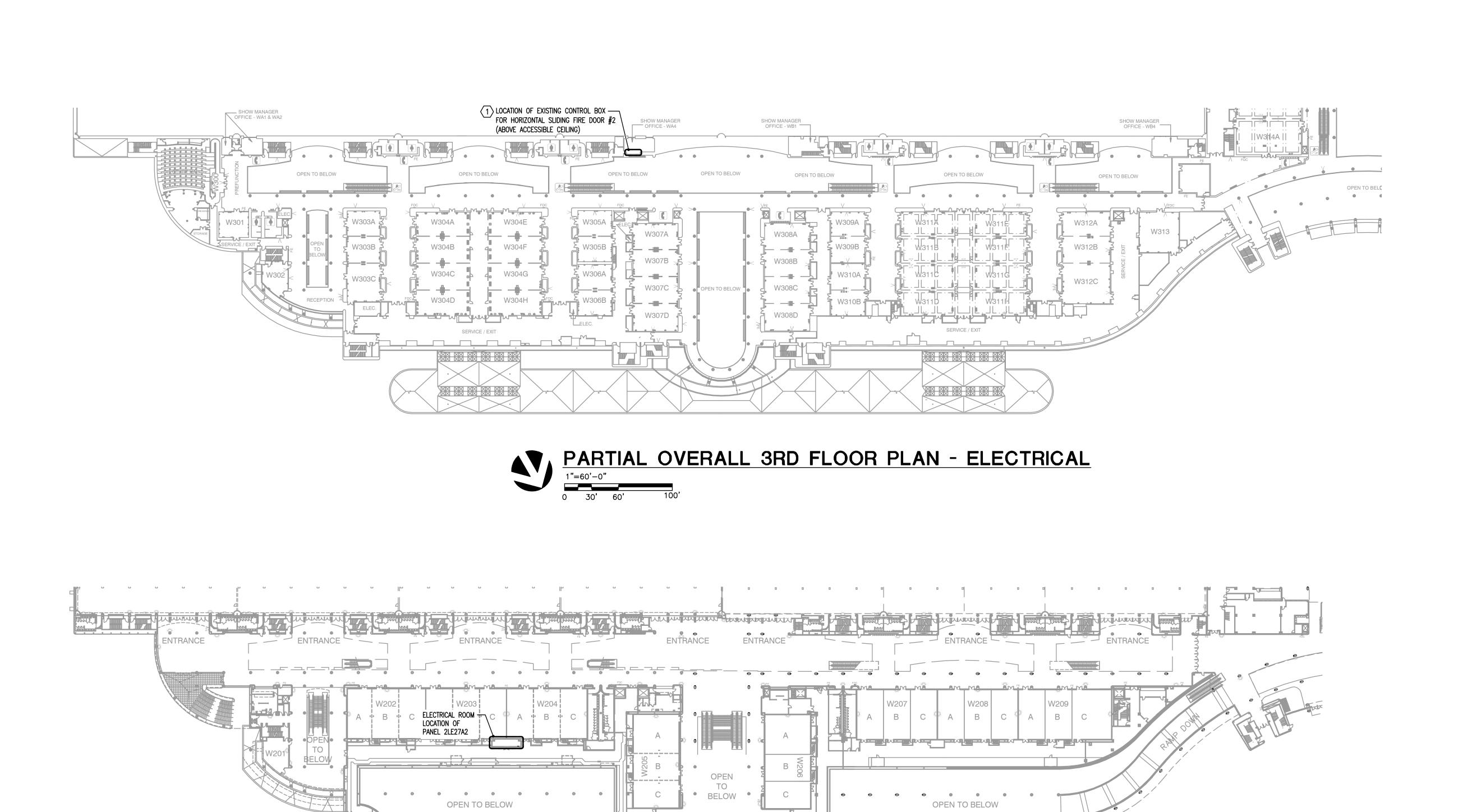
SHEET INDEX

100% CONSTRUCTION DOCUMENTS

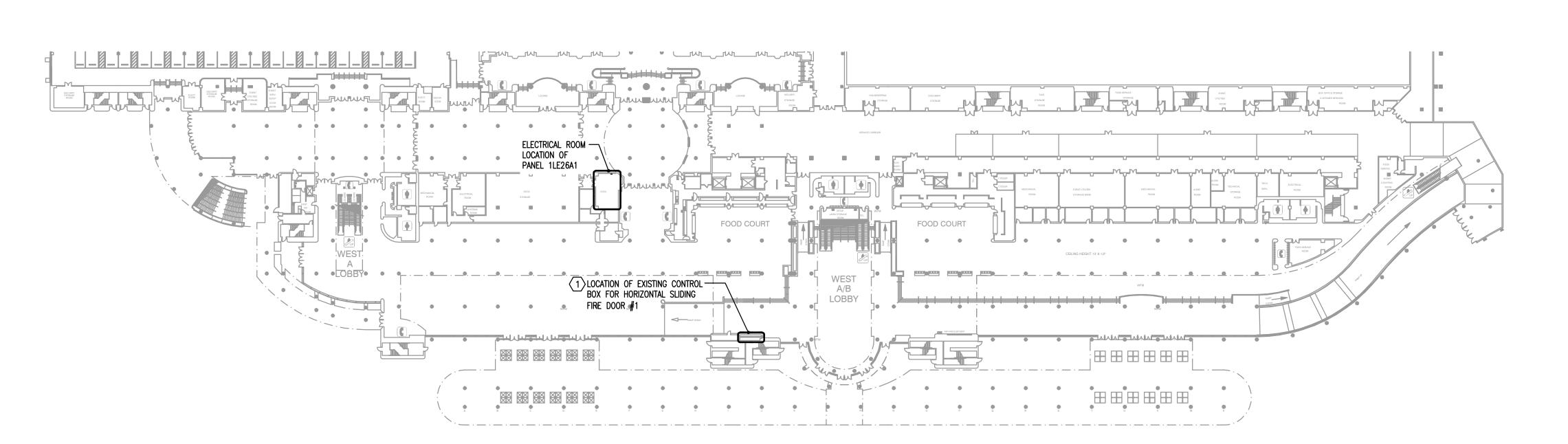
Drawing No.

IE-W-0.0.01





BRIDGE TO NORTH / SOUTH CONCOURSE PARTIAL OVERALL 2ND FLOOR PLAN - ELECTRICAL



PARTIAL OVERALL 1ST FLOOR PLAN - ELECTRICAL

GENERAL NOTES

<u>HEX NOTES</u>

REQUIREMENTS.

1) REFER TO GENERAL NOTES FOR THIS DISCIPLINE.

2) REFER TO SPECIFICATIONS.

3) NO MULTI-WIRE BRANCH CIRCUITS ARE TO BE USED. EACH CIRCUIT IS TO HAVE SEPARATE INDIVIDUAL NEUTRAL.

4) REWORK/RELOCATE EXISTING ELECTRICAL AS REQUIRED TO FACILITATE

5) CONTRACTOR SHALL MAINTAIN CONTINUITY TO EXISTING DEVICES REMAINING

 $\langle 1 \rangle$ REFER TO 1/8" = 1'-0" DEMO AND RENO ELECTRICAL PLANS FOR

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130 Candace Drive

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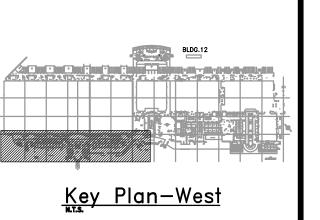
ORANGE COUNTY CONVENTION

ENGINEERING

WEST BUILDING HORIZONTAL

CENTER

SLIDING FIRE DOOR REPLACEMENT



Revisions

No.	Date	Description

MPE PROJ#: 2014-152

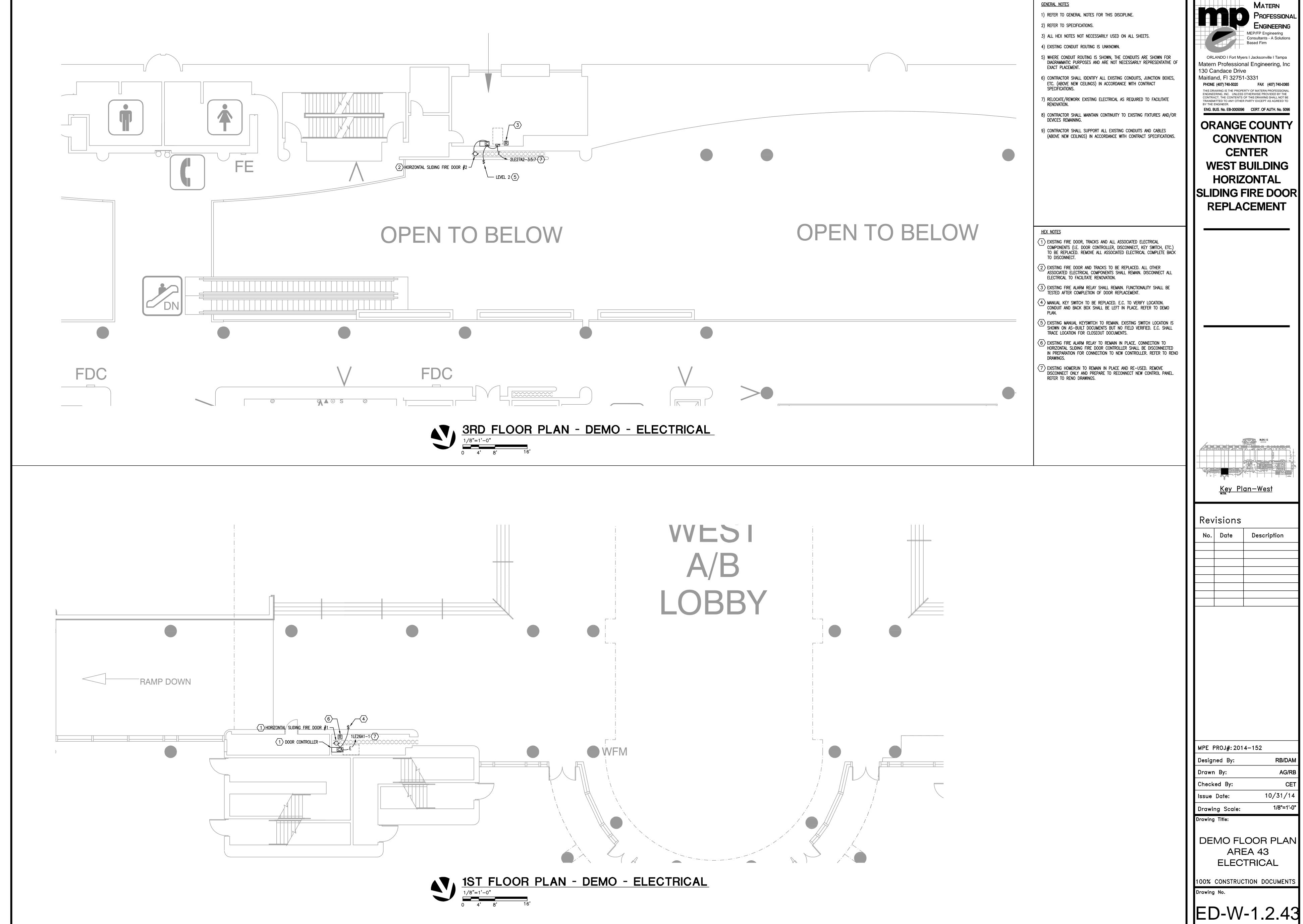
Designed By: Drawn By: Checked By: 10/31/14 Issue Date:

Drawing Scale:

PARTIAL OVERALL FLOOR PLANS **ELECTRICAL**

100% CONSTRUCTION DOCUMENTS

E-W-1.1.01



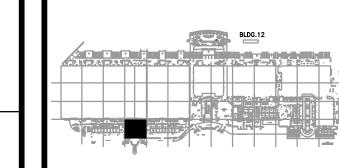
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ORANGE COUNTY CONVENTION

WEST BUILDING HORIZONTAL



Revisions

No.	Date	Description

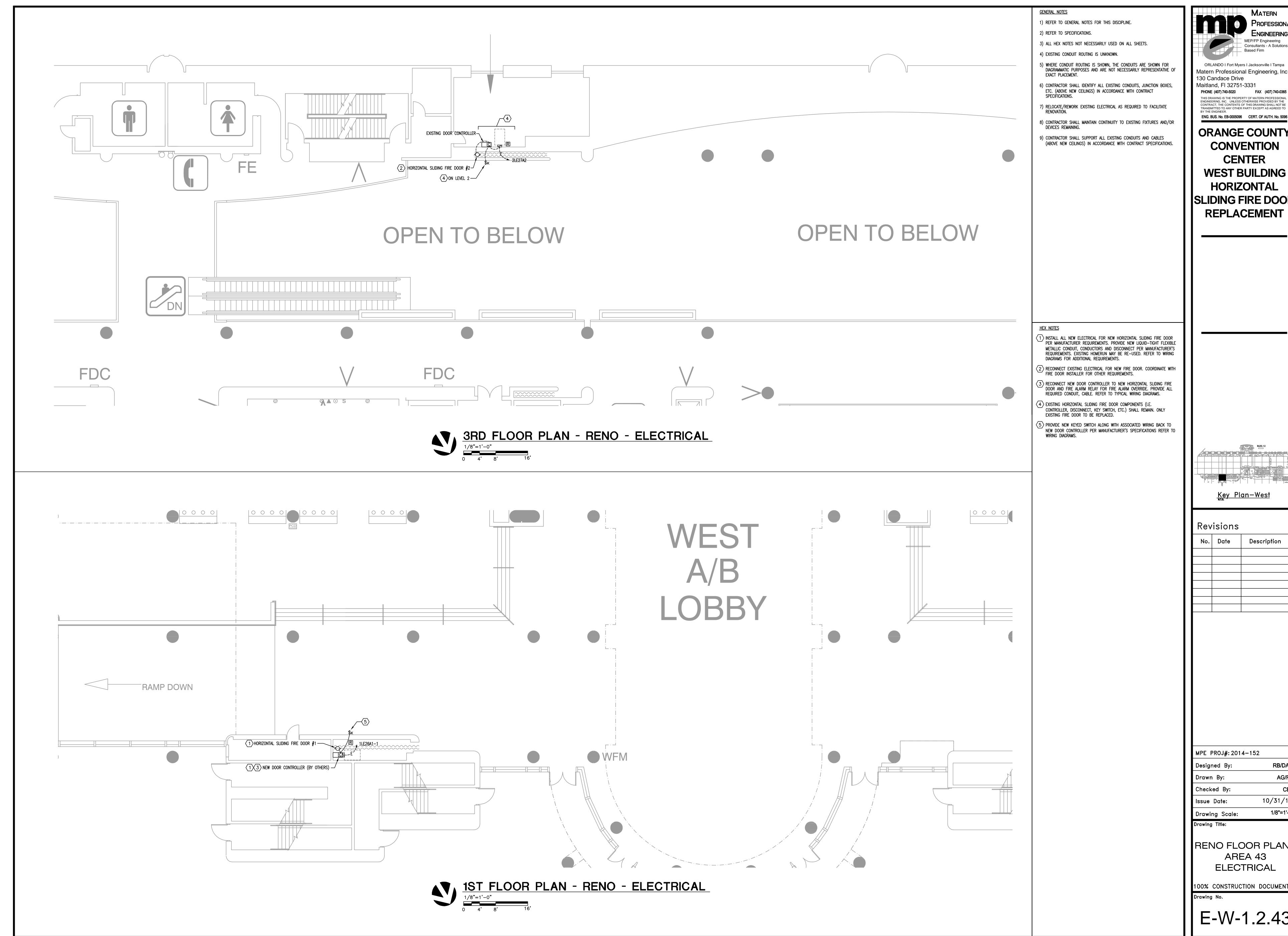
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DEMO FLOOR PLAN AREA 43 ELECTRICAL

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WEST BUILDING HORIZONTAL

SLIDING FIRE DOOR **REPLACEMENT**

Description

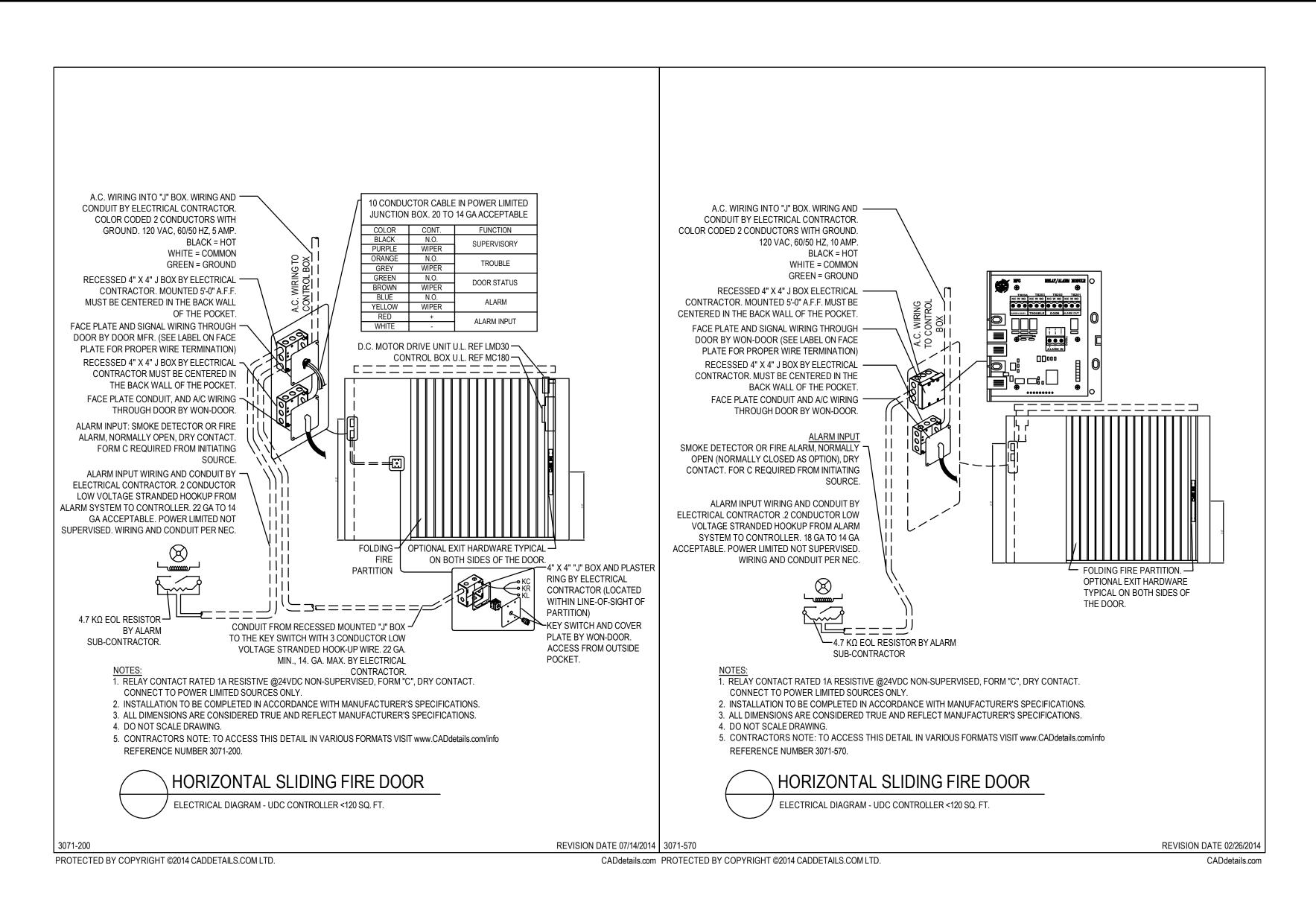
MPE PROJ#: 2014-152

10/31/14

RENO FLOOR PLANS AREA 43 ELECTRICAL

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E-W-1.2.43



NOTES:

TYPICAL WIRING DIAGRAMS ARE SHOWN FOR BIDDING PURPOSES ONLY.
E.C. IS TO OBTAIN SHOP DRAWINGS AND INSTALLATION MANUAL FROM HORIZONTAL SLIDING FIRE DOOR PROVIDER FOR EXACT MODEL BEING PROVIDED. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS TODAY.



Maitland, FI 32751-3331

PHONE (407) 740-5020

FAX (407) 740-0365

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ORANGE COUNTY
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CENTER
WEST BUILDING
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SLIDING FIRE DOOR REPLACEMENT

Revisions

No. Date Description

MPE PROJ#: 2014-152

Designed By: RB/DAM

Drawn By: AG/RB

Checked By: CET

Issue Date: 10/31/14

Issue Date: 10/31

Drawing Scale: NO S

Drawing Title:

ELECTRICAL DETAILS

100% CONSTRUCTION DOCUMENTS

Drawing No.

E-W-9.0.01