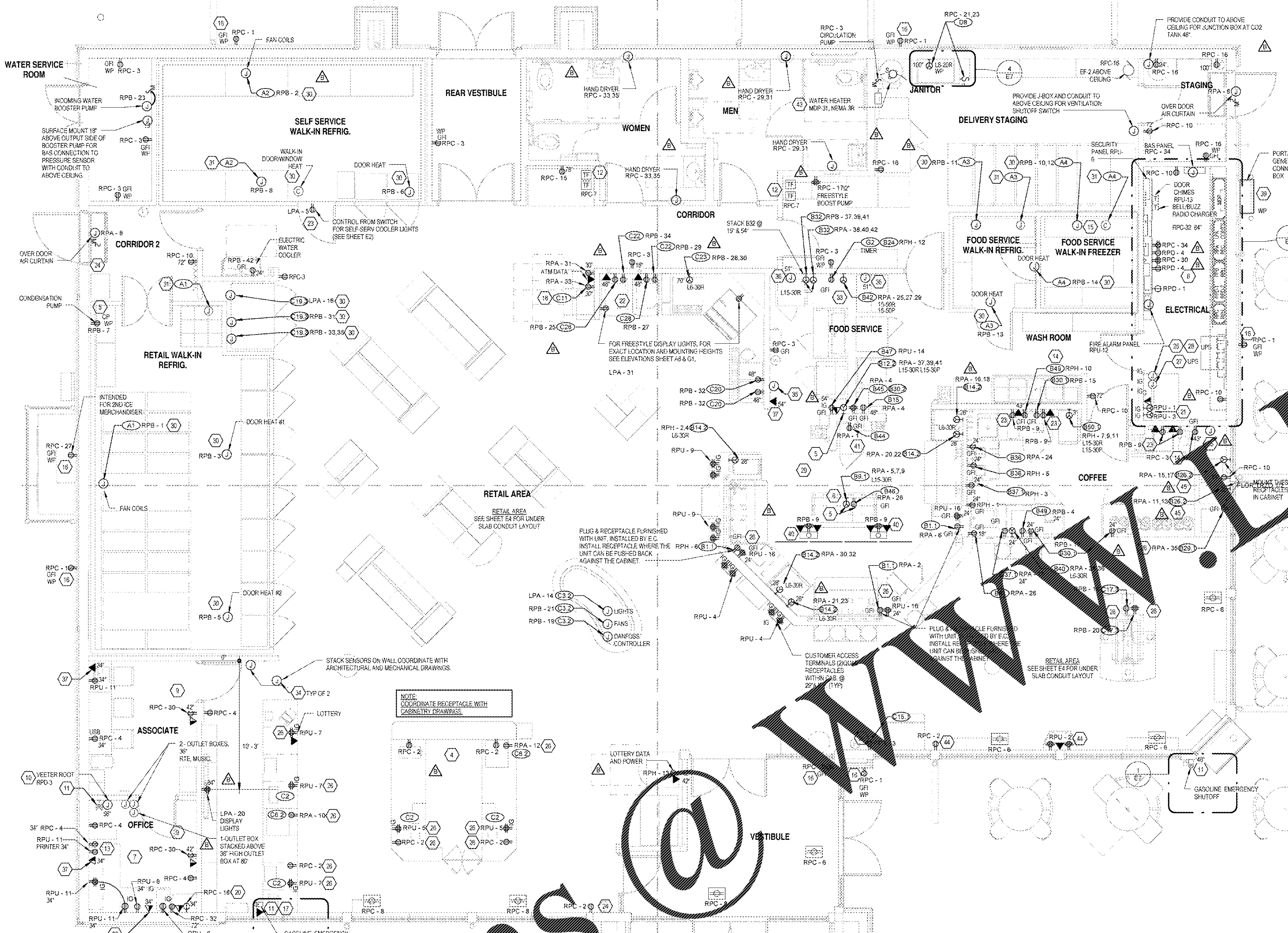
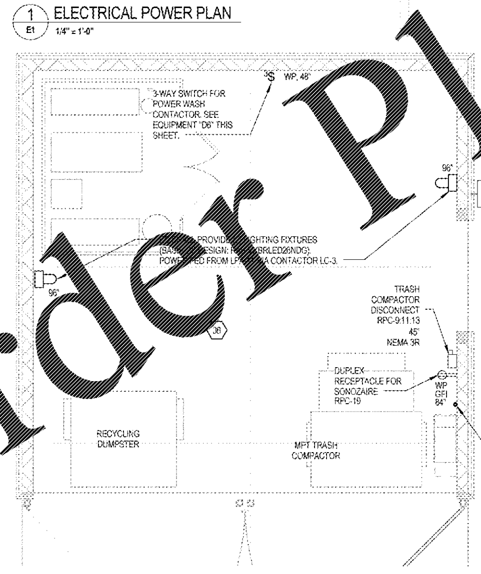
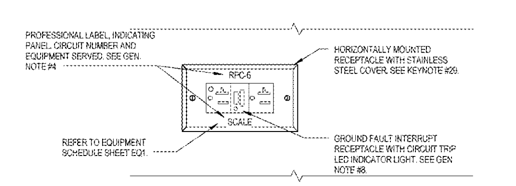


1 ELECTRICAL POWER PLAN
E1 1/4" = 1'-0"



4 TRASH COMPOUND ELECTRICAL PLAN
E1 1/4" = 1'-0"



2 Recept ID Detail
E1 NOT TO SCALE

LEGEND

- GASOLINE EMERGENCY SHUT-OFF PUSH BUTTON PROVIDED BY ELECTRICAL CONTRACTOR
- GASOLINE EMERGENCY SHUT-OFF RESET PUSH BUTTON INSTALLED IN MANAGERS OFFICE BELOW VEEDER ROOT AND ON CONTACTOR PANEL FOR RPD.
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- USB DUPLEX RECEPTACLE
- QUADRUPLEX RECEPTACLE ON DEDICATED CIRCUIT
- CP VERIFY LOCATION & IF REQ'D W/ WAWA REP.
- DUPLEX RECEPT. (FLOOR MOUNTED)
- DUPLEX RECEPT. (CEILING MOUNTED)
- TWIST LOCK/ STRAIGHT BLADE DEDICATED RECEPTACLE
- T TRANSFORMER BELL/BUZZER (SEE GEN. NOTE 5)
- TF TRANSFORMER - FLUSH VALVES (SEE KEYNOTE 12)
- C CONNECTION POINT. ELECTRICAL CONNECTIONS TO BE MADE AT EQUIPMENT AS REQUIRED.
- J JUNCTION BOX
- GFI GROUND FAULT INTERRUPT (SEE GEN. NOTE 8)
- IG ISOLATED GROUND
- WP WEATHERPROOF
- DISCONNECT SWITCH
- TELEPHONE/DATA OUTLET (SEE GEN. NOTE 10)
- BANK OF TELEPHONE OUTLETS [illegible] #1, #2-(2)TWO LINE PHONE [illegible] #3-RJ41S JACK (COMPUTER) #4-R.O.I. (COMPUTER)
- # EQUIPMENT NUMBER SEE EQUIP. SCHEDULE.
- S D MOTOR RATED SWITCH W/ SEPARATE DISCONNECT

GENERAL NOTES:

1. E.C. TO LABEL EACH RECEPTACLE AND EXHAUST FAN SWITCH WITH CIRCUIT NUMBER AND INTENDED USE.
2. ALL PHONE LINES TO BE GROUNDED. PROVIDE 120V SERVICE W/ ISOLATED GROUND RECEPTACLE AND SINGLE POINT GROUNDING FOR D.E.C./S.A.S.I. EQUIPMENT.
3. ALL BELLS SHALL BE 2-TONE. TRASH DOOR BELL SHALL BE DIFFERENT FROM DELIVERY DOORS. SEE SECURITY PLAN.
4. ALL OUTLETS & SWITCHES IN THE BUILDING AND CLOSET AREAS SHALL BE LABELED WITH PANEL & CIRCUIT NUMBERS. RECEPTACLES AT COFFEE STEP UP COUNTER & FOOD SERVICE COUNTER SHALL ALSO BE LABELED TO IDENTIFY EQUIPMENT SERVED. A PROFESSIONAL LABEL MAKER SHALL BE UTILIZED FOR ALL LABELS. SEE DETAIL THIS SHEET.
5. BELLS, BUZZERS, DELIVERY DOOR RELEASE, & ALL ASSOCIATED PUSH BUTTONS, SWITCHES, & WIRING ARE TO BE PROVIDED BY ALARM SYSTEM CONTRACTOR.
6. ALL RECEPTACLES FED FROM PANEL "RPU" SHALL BE GRAY IN COLOR AND ISOLATED GROUND TYPE RECEPTACLES, HUBBELL #IG5362GY OR APPROVED EQUAL.
7. ALL RECEPTACLES FED FROM PANEL "RPD" SHALL BE ORANGE IN COLOR AND ISOLATED GROUND TYPE RECEPTACLES, HUBBELL #IG5362 OR APPROVED EQUAL.
8. ALL GFI RECEPTACLES SHALL BE DUPLEX RECEPTACLES U.N.O. WITH LED INDICATOR LIGHT LEVITON #6898-W OR APPROVED EQUAL. NO FEED THRU PROTECTION PERMITTED. SEE DETAIL THIS SHEET.
9. ALL 120 VOLT, 15 OR 20 AMP RECEPTACLES IN THE FOOD SERVICE AREA SHALL BE GFI TYPE. PROVIDE WATERPROOF WITH "WHILE IN USE" COVERS WERE INDICATED (WP).
10. DATA/TELEPHONE RECEPTACLES INDICATED ON THIS DRAWING FOR REFERENCE ONLY. REFER TO E4 & E11 FOR INSTALLATION DETAILS.
11. ALL RECEPTACLES SHALL BE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
12. LIGHTING AND POWER BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN PANEL SCHEDULES OR ON PLANS.
13. THESE ELECTRICAL PLANS HAVE BEEN DESIGNED AND THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE 2011 VERSION OF THE NATIONAL ELCTRICAL CODE.
14. SEE DETAIL 4 THIS SHEET FOR ELECTRICAL WORK REQUIRED AT REMOTE TRASH COMPOUND. SEE CIVIL DRAWINGS FOR COMPOUND LOCATION.
15. ALL FINAL CONNECTIONS TO THE REFRIGERATION DOOR HEATERS AND REFRIGERATION LIGHTS ARE THE RESPONSABILITY OF THE GC.

KEYNOTES: (X)

1. NOT USED.
2. NOT USED.
3. E.C. TO PROVIDE 40 AMP NEMA 10-40R RECEPTACLE.
4. NO RECEPTACLES SHALL BE INSTALLED IN ELECTRIC SAFE AREA. ALL WIRING IN CHECKOUT AREA TO BE MC CABLE AND INSTALLED WITHIN PANDUIT, SUPPLIED BY OTHERS.
5. THIS RECEPTACLE SHALL BE WEATHERPROOF(WP). PROVIDE "WHILE IN USED" COVER.
6. MOUNT SIDEWAYS RECEPTACLE TO FLOOR WITH 90 DEG. ANGLE BRACKET TO 3/4" RIDGID CONDUIT STUB-UP (SEE SHEET E4) (SEE DETAIL SHEET E6).
7. FOR EXACT LOCATION OF ALL DEVICES IN MANAGER'S OFFICE, SEE ARCHITECTURAL INTERIOR ELEVATIONS SHEET.
8. FOR EXACT LOCATION OF ALL DEVICES IN ELECTRICAL ROOM, SEE ARCHITECTURAL DRAWINGS AND E6
9. E.C. SHALL INSTALL (1) 2"X4" BACK BOX FOR DATA OUTLET AT 42" AFF FOR THE TIME CLOCK. INSTALL CONDUIT AND PULL STRING TO ABOVE CEILING FROM DATA J-BOX.
10. VEEDER ROOT PANEL PROVIDED BY GASOLINE CONTRACTOR.
11. E.C. SHALL FURNISH AND INSTALL ALL NECESSARY EMERGENCY STOP AND E-STOP RE-SET BUTTONS. AN E-STOP SHALL BE LOCATED IN THE CHECKOUT AND ONE ON THE BUILDING EXTERIOR. CONFIRM EXACT REQUIREMENTS WITH LOCAL A.H.J.
12. E.C. SHALL PROVIDE 120V FEED TO FLUSH VALVE TRANSFORMERS MOUNTED TO WALL ABOVE CEILING. PROVIDE TERMINATIONS FOR ALL FLUSH VALVE WIRING ROUTED TO TRANSFORMERS. E.C. TO PROVIDE ANY REQUIRED BACK BOXES AND CONDUIT. WIRING FROM TRANSFORMERS TO VALVES BY PLUMBING CONTRACTOR.
13. PROVIDE PRINTER RECEPTACLE AND DATA OUTLET IN A COMMON 2-GANG BOX WITH DIVIDER. PROVIDE A SUITABLE 2-GANG COVER PLATE FOR DEVICES.
14. FOOD SERVICE/COFFEE BACKWALL RECEPTACLES LOCATED ABOVE COUNTER, DUPLEX GFI OR SIMPLEX, SHALL BE PROVIDED WITH STAINLESS STEEL COVER PLATES AND SHALL BE MOUNTED IN HORIZONTAL POSITION AT 43" AFF. SEE 2/E1.
15. W/F CONDENSATE HEAT TRACE WILL BE 220V FED OFF FAN COIL CIRCUIT BY REFRIGERATION CONTRACTOR.
16. E.C. TO PROVIDE DUPLEX GFI RECEPTACLES WITH RED DOT CODE KEEPER FLUSH MOUNTED ZINC WEATHERPROOF COVER. NO FEED THRU PROTECTION PERMITTED.
17. MOUNT THE GASOLINE EMERGENCY SHUT-OFF PUSH BUTTON 2" BACK FROM FACE OF CABINET. MOUNT UNDER COUNTER TOP.
18. E.C. SHALL INSTALL AN ISOLATED GROUND (IG) DUPLEX RECEPTACLE IN SINGLE-GANG BOX.CENTER RECEPTACLES FOR ATM BEHIND MACHINE
19. NOT USED.
20. PROVIDE 2-2"X4" OUTLET BOXES. CIRCUIT FOR THIS SIMPLEX RECEPTACLE PASSES THRU FILTER PROVIDED BY SIGN CONTRACTOR. E.C. TO COORDINATE INSTALLATION WITH SIGN CONTRACTOR. SEE DETAIL 2/E7.
21. PROVIDE (2) L5-30R RECEPTACLES FOR COMPUTER RACK PDU, MOUNTED AT 18" AFF.
22. E.C. SHALL FLUSH MOUNT ALL RECEPTACLES ON THIS WALL ABOVE COUNTER AT 48" AFF.
23. RECEPTACLE TO BE LOCATED BEHIND MONITOR OR SIGNAGE. SEE DETAIL 7/A9.1 AND 8/A9.1 FOR EQUIPMENT LOCATION AND MOUNTING HEIGHT. CONCEAL POWER AND DATA CORDS BEHIND EQUIPMENT.
24. EC TO PROVIDE BACK BOX, CONDUIT AND PULL STRING FOR FIRE SECURITY SYSTEM. SEE SHEETS E8 AND E10 FOR MORE INFORMATION..
25. INSTALL #6 AWG GREEN INSULATED COPPER GROUND WIRE. CONNECT TO MAIN SERVICE ENTRANCE GROUND. LEAVE 10' LOOP.
26. OUTLET TO BE MOUNTED UNDER COUNTER IN MILLWORK.
27. PROVIDE JUNCTION BOX FOR UPS UNIT MOUNTED AT 24" AFF.
28. PROVIDE JUNCTION BOX FOR UPS UNIT MOUNTED AT 30" AFF.
29. ALL RECEPTACLES IN THE FOOD SERVICE AREA SHALL BE MOUNTED HORIZONTALLY. COORDINATE ALL RECEPTACLE LOCATIONS WITH THE FOOD SERVICE EQUIPMENT BEING INSTALLED.
30. E.C. TO LEAVE 15' COIL OF WIRE IN CEILING SPACE FOR THIS CIRCUIT. COORDINATE EXACT LOCATION WITH REFRIGERATION CONTRACTOR WHO WILL PROVIDE FINAL CONNECTION. GENERAL CONTRACTOR RESPONSIBLE FOR FINAL CONNECTION TO DOOR LIGHTS AND HEAT.
31. 18-5 TSTAT CABLE TO ROOFTOP REFRIGERATION UNIT BY REFRIGERATION CONTRACTOR.
32. NOT USED
33. PROVIDE PLUG, RECEPTACLE AND SUITABLE COVER FOR CONNECTION OF OVEN CABLE. REVIEW OVEN INSTALLATION DETAILS AND COORDINATE EXACT REQUIREMENTS FOR FINAL CONNECTION.
34. E.C. TO INSTALL (2) 2"X4" BACK-BOXES STACKED WITH CONDUIT AND PULL STRINGS TO CEILING FOR HVAC SENSORS. COORDINATE DEVICE LOCATION ON MECHANICAL SHEET M1.
35. E.C. TO INSTALL 2"X4" BACK-BOX AT 54" AFF (UNO) WITH CONDUIT AND PULLSTRING TO ABOVE CEILING FOR HVAC SENSOR. COORDINATE WITH DEVICE LOCATION ON MECHANICAL SHEET M1.
36. E.C. TO INSTALL 2"X4" BACK-BOX WITH CONDUIT AND PULLSTRING TO ABOVE CEILING FOR BAS CONNECTION TO OVEN(S).
37. E.C. TO INSTALL (1) 2"X4" BACK-BOXES AT HEIGHT GIVEN ON PLAN WITH CONDUITS AND PULL STRING TO CEILING FOR TELEPHONES.
38. REMOTE TRASH COMPOUND. SEE CIVIL DRAWINGS FOR LOCATION OF TRASH COMPOUND.
39. PORTABLE GENERATOR CONNECTION BOX. SEE DETAIL ON SHEET E6. ALSO, SEE SINGLE LINE DIAGRAM SHEET E7 FOR MORE INFORMATION.
40. SURFACE MOUNT RECEPTACLE AND DATA TO MOUNTING BRACKET BEHIND DIGITAL MONITORS. RUN FLEX METAL CONDUIT FROM ABOVE CEILING DOWN TO RECEPTACLE. RUN DATA AND POWER CABLES AND FLEX CONDUIT DOWN FROM CEILING IN SUPPORT PIPE. PROVIDE 10' OF SLACK IN CABLES AND FLEX CONDUIT ABOVE CEILING. PLUG (2) GOOSE SIGNS AT EACH END OF MONITORS TO JUNCTION BOX AT EACH END RECEPTACLE. REFERENCE ARCHITECTURAL DETAIL.
41. GFCI RECEPTACLE FOR ROLLING RACK TIMER, 48" AFF, EQUIPMENT #B44.
42. BRING POWER DOWN FROM ABOVE CEILING IN FURRED OUT WALL TO OUTLET(S).
43. PROVIDE DISCONNECT WITH ACCESSABLE COVER TO PREVENT ACCIDENTAL SHUT-OFF.
44. BRING POWER/DATA UP FROM STUB-UP IN WALL INTO CABINETRY. SEE SHEET E4
45. PROVIDE L14-50R AND MATCHING 90 DEGREE L14-50P FOR COFFEE BREWERS

ELECTRICAL ABBREVIATIONS LEGEND:

AC,A/C	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AMP,A	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO/VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BLDG	BUILDING
BRKR	CIRCUIT BREAKER
C	CONDUIT
CAND	CANDELA
COMPT	COMPUTER
CT	CURRENT TRANSFORMER
CUST	CUSTOMER
E.C.	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
EWH,WH	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
G, GND	GROUND
GFCI,GFI	GROUNG FAULT CIRCUIT INTERRUPTER
GRC	GALVANIZED RIDGID CONDUIT
IMC	INTERMEDIATE METAL CONDUIT
INFO	INFORMATION
KAIC	KILO (THOUSAND) AMPERE INTERRUPT CAPACITY
KVA	KILO (THOUSAND) VOLT*AMPERES
KVM	KERNEL-BASED VIRTUAL MACHINE (CONTROL VIDEO MONITORS)
KW	KILO (THOUSAND) WATTS
LGT,LGTS	LIGHTS
MC	METAL-CLAD
MDP	MAIN DISTRIBUTION PANEL
N	NEUTRAL
NC	NORMALLY CLOSED
NAC	NOTIFICATION APPLIANCE CIRCUIT
NEC	NATIONAL ELECTRICAL CODE
P	POLE,PHASE
PH	PHASE
PVC	POLYVINYL CHLORIDE
RECPT	RECEPTACLE
RM	ROOM
RR	RESTROOM
SERV	SERVER
TELE	TELEPHONE
TERM	TERMINAL
THHN	THERMOPLASTIC HIGH HEAT NYLON
UC	UNDER COUNTER
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SYSTEM
V	VOLTS
VEST	VESTIBULE
W	WIRE
W-I	WALK-IN
WP	WEATHER PROOF

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FT. PIERCE, FLORIDA

SHEET TITLE
ELECTRICAL POWER PLAN

Revision Schedule

No.	Description	Date
	PERMIT SET	06/24/2016
B	REV 2017.01	07/26/2017
	PRE-BID REVIEW SET	07/26/2017
	BID SET	08/30/2017

PROJECT NO. 2160209
DATE 08-30-2017
DRAWN MLB
CHECKED JPM

E1

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