

**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 CONTRACTOR PANEL FOR RFD
- ⊕ SINGLE RECEPTACLE
- ⊕ DUPLEX RECEPTACLE
- ⊕ DUPLEX RECEPTACLE
- ⊕ QUADRUPLEX RECEPTACLE ON DEDICATED CIRCUIT
- ⊕ VERIFY LOCATION & IF REQ'D W/ WAWA REP
- ⊕ DUPLEX RECEPT (FLOOR MOUNTED)
- ⊕ DUPLEX RECEPT (CEILING MOUNTED)
- ⊕ TWIST LOCK STRAIGHT BLADE DEDICATED RECEPTACLE
- ⊕ TRANSFORMER BELLBUZZER (SEE GEN. NOTE 8)
- ⊕ TRANSFORMER - FLUSH VALVES (SEE KEYNOTE 12)
- ⊕ CONNECTION POINT ELECTRICAL CONNECTION TO BE MADE AT JUNCTION BOX
- ⊕ JUNCTION BOX
- ⊕ GROUND FAULT INTERRUPT (SEE GEN. NOTE 8)
- ⊕ ISOLATED GROUND
- ⊕ WEATHERPROOF
- ⊕ DISCONNECT SWITCH
- ⊕ WEATHERPROOF TLET (SEE GEN. NOTE #10)
- ⊕ BANK OF 20 AMP 120V LINE (SEE GEN. NOTE #10)
- ⊕ 3-RAYS = COMPUTER
- ⊕ 1-RAY = TELEPHONE
- ⊕ EQUIPMENT NUMBER, SEE EQUIP. SCHEDULE.
- ⊕ MOUNTED SWITCH W/ SEPARATE DISCONNECT

**GENERAL NOTES:**

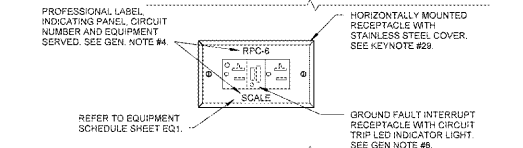
- E.C. TO LABEL EACH RECEPTACLE AND EXHAUST FAN SWITCH WITH CIRCUIT NUMBER AND INTENDED USE.
- ALL PHONE LINES TO BE GROUNDED. PROVIDE 120V SERVICE W/ ISOLATED GROUND RECEPTACLE AND SINGLE POINT GROUNDING FOR D.E.S.A.S.I. EQUIPMENT
- ALL BELLS SHALL BE 2-TONE TRASH DOOR BELL. SHALL BE DIFFERENT FROM DELIVERY DOORS. SEE SECURITY PLAN.
- ALL OUTLETS & SWITCHES IN THE BUILDING AND CLOSET AREAS SHALL BE LABELED WITH PANEL & CIRCUIT NUMBERS. RECEPTACLES AT REFERENCE 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.
- BELLS, BUZZERS, DELIVERY DOOR RELEASE, & ALL ASSOCIATED PUSH-BUTTONS SWITCHES & WIRING ARE TO BE PROVIDED BY ALARM SYSTEM CONTRACTOR.
- ALL RECEPTACLES FED FROM PANEL "RPU" SHALL BE GRAY IN COLOR AND ISOLATED GROUND TYPE RECEPTACLES, HUBBELL #63682 OR APPROVED EQUAL.
- ALL RECEPTACLES FED FROM PANEL "RPO" SHALL BE ORANGE IN COLOR AND ISOLATED GROUND TYPE RECEPTACLES, HUBBELL #63682 OR APPROVED EQUAL.
- ALL GFI RECEPTACLES SHALL BE DUPLEX RECEPTACLES WITH LED INDICATOR LIGHT. LEVITON #6889-W OR APPROVED EQUAL. NO FEED THRU PROTECTION PERMITTED. SEE DETAIL THIS SHEET.
- ALL 120 VOLT, 15 OR 20 AMP RECEPTACLES IN THIS AREA SHALL BE GFI TYPE. PROVIDE WATERPROOF WITH "WHILE IN USE" COVERS WERE DISCONNECTED (WPI) DATA/TELEPHONE RECEPTACLES INDICATED ON THIS DRAWING FOR REFERENCE ONLY. REFER TO E4 & E11 FOR INSTALLATION DETAILS.
- ALL RECEPTACLES SHALL BE MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED.
- LIGHTING AND POWER BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN PANEL SCHEDULES OR ON PLANS.
- THESE ELECTRICAL PLANS HAVE BEEN DESIGNED AND THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE 2011 VERSION OF THE NATIONAL ELECTRICAL CODE.
- SEE DETAIL 4 THIS SHEET FOR ELECTRICAL WORK REQUIRED AT REMOTE TRASH COMPOUND. SEE CIVIL DRAWINGS FOR COMPOUND LOCATION.
- ALL FINAL CONNECTIONS TO THE REFRIGERATION DOOR HEATERS AND REFRIGERATION LIGHTS ARE THE RESPONSIBILITY OF THE GC.

**KEYNOTES:**

- NOT USED.
- NOT USED.
- E.C. TO PROVIDE 40 AMP NEMA 10-40P RECEPTACLE.
- NO RECEPTACLES SHALL BE INSTALLED IN ELECTRIC SAFE AREA. ALL WIRING IN CHECKOUT AREA TO BE MC CABLE AND INSTALLED WITHIN HANDOUT, SUPPLIED BY OTHERS.
- THIS RECEPTACLE SHALL BE WEATHERPROOF (WP) PROVIDE "WHILE IN USE" COVERS.
- MOUNT SIDEWAYS RECEPTACLE TO FLOOR WITH 90 DEGREE ANGLE BRACKET TO 34" RIGID CONDUIT STUB-UP (SEE SHEET E4) (SEE DETAIL SHEET E5).
- FOR EXACT LOCATION OF ALL DEVICES IN ELECTRICAL ROOM, SEE ARCHITECTURAL DRAWINGS AND E5.
- FOR EXACT LOCATION OF ALL DEVICES IN ELECTRICAL ROOM, SEE ARCHITECTURAL DRAWINGS AND E5.
- E.C. SHALL INSTALL 1/2" X 4" BACK BOX FOR DATA OUTLET AT 42" AFF FOR THE TIME CLOCK. INSTALL CONDUIT AND PULL STRING TO ABOVE CEILING FROM DATA J-BOX.
- VEEDER ROOT PANEL PROVIDED BY GASOLINE CONTRACTOR.
- E.C. SHALL FURNISH AND INSTALL ALL NECESSARY EMERGENCY STOP AND E-STOP RESET BUTTONS. AN E-STOP SHALL BE LOCATED IN THE CHECKOUT AND ONE ON THE BUILDING EXTERIOR. CONFIRM EXACT REQUIREMENTS WITH LOCAL A.U.I.
- 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 PUMPING CONTRACTOR.
- PROVIDE PRINTER RECEPTACLE AND DATA OUTLET IN A COMMON 2-BANG BOX WITH SWITZER. PROVIDE A SUITABLE 2-BANG COVER PLATE FOR DEVICES.
- 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 48" AFF. SEE E21.
- WP CONDENSATE HEAT TRACE WILL BE 220V FED OFF FAN COIL CIRCUIT BY REFRIGERATION CONTRACTOR.
- E.C. TO PROVIDE DUPLEX GFI RECEPTACLES WITH RED DOT CODE KEPPER FLUSH MOUNTED 2" WEATHERPROOF COVER. NO FEED THRU PROTECTION PERMITTED.
- MOUNT THE GASOLINE EMERGENCY SHUT-OFF PUSH BUTTON 2" BACK FROM FACE OF CABINET. MOUNT UNDER METAL TUBING.
- E.C. SHALL INSTALL AN ISOLATED GROUND (IG) DUPLEX RECEPTACLE IN SINGLE-GANG BOX CENTER RECEPTACLES FOR ATM BEHIND MACHINE.
- PROVIDE 2" X 4" OUTLET BOXES. CIRCUIT FOR THIS SIMPLEX RECEPTACLE TO COORDINATE GALVANIZED RIGID CONDUIT. GALVANIZED RIGID CONDUIT. E.C. TO COORDINATE INSTALLATION WITH SIGN CONTRACTOR. SEE DETAIL 2/E7.
- PROVIDE (2) 1/2" X 3/4" RECEPTACLES FOR COMPUTER RACK PDU, MOUNTED AT 18" AFF.
- E.C. SHALL FLUSH MOUNT ALL RECEPTACLES ON THIS WALL ABOVE COUNTER AT 48" AFF. MOUNT (2) RECEPTACLES FOR ICE MACHINES AT 84" AFF.
- 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.
- E.C. TO PROVIDE BACK BOX, CONDUIT AND PULL STRING FOR FIRE SECURITY SYSTEM. SEE SHEETS E8 AND E9 FOR MORE INFORMATION.
- INSTALL #8 AWG GREEN INSULATED COPPER GROUND WIRE. CONNECT TO MAIN SERVICE ENTRANCE GROUND. LEAVE 10' LOOP.
- OUTLET TO BE MOUNTED UNDER COUNTER IN MILLWORK.
- PROVIDE JUNCTION BOX FOR UPS UNIT MOUNTED AT 36" AFF.
- ALL RECEPTACLES IN THE FOOD SERVICE AREA SHALL BE MOUNTED HORIZONTALLY. COORDINATE ALL RECEPTACLE LOCATIONS WITH THE FOOD SERVICE EQUIPMENT BEING INSTALLED.
- E.C. TO LEAVE 1/2" 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.
- 1/2" TSTAT CABLE TO ROOFTOP REFRIGERATION UNIT BY REFRIGERATION CONTRACTOR.
- NOT USED.
- PROVIDE PLUG RECEPTACLE AND SUITABLE COVER FOR CONNECTION OF OVEN CABLE. REVIEW OVEN INSTALLATION DETAILS AND COORDINATE EXACT REQUIREMENTS FOR FINAL CONNECTION.
- E.C. TO INSTALL (2) 2" X 4" BACK-BOXES STACKED WITH CONDUIT AND PULL STRING TO CEILING FOR HVAC SENSORS.
- E.C. TO INSTALL 2" X 4" BACK-BOXES AT 48" AFF (LINO) WITH CONDUIT AND PULL STRING TO ABOVE CEILING FOR HVAC SENSOR. COORDINATE WITH DEVICE LOCATION ON MECHANICAL SHEET #1.
- E.C. TO INSTALL 2" X 4" BACK-BOX WITH CONDUIT AND PULL STRING TO ABOVE CEILING FOR BAS CONNECTION TO OVEN(S).
- E.C. TO INSTALL (1) 2" X 4" BACK-BOXES AT HEIGHT GIVEN ON PLAN WITH CONDUITS AND PULL STRING TO CEILING FOR TELEPHONES.
- REMOTE TRASH COMPOUND. SEE CIVIL DRAWINGS FOR LOCATION OF TRASH COMPOUND.
- PORTABLE GENERATOR CONNECTION BOX. SEE DETAIL ON SHEET E5. ALSO, SEE SINGLE LINE DIAGRAM SHEET E7 FOR MORE INFORMATION.
- 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 1" OF SLACK IN CABLES AND FLEX CONDUIT ABOVE CEILING. PLUS (2) DISCONNECT SWITCHES AT EACH END OF MONITORS TO JUNCTION BOX AT EACH END RECEPTACLE. REFERENCE ARCHITECTURAL DETAIL.
- GFI RECEPTACLE FOR ROLLING BACK TIMER. 48" AFF. EQUIPMENT #84A.
- BRING POWER DOWN FROM ABOVE CEILING IN FURRED OUT WALL TO OUTLET(S).
- PROVIDE DISCONNECT WITH ACCESSIBLE COVER TO PREVENT ACCIDENTAL SHUT-OFF.
- BRING POWER/DATA LIP FROM STUB-UP IN WALL INTO CABINETS. SEE SHEET E4.
- PROVIDE 1/4-20R AND MATCHING 90 DEGREE L14-50P FOR COFFEE BREWERS.

**ELECTRICAL ABBREVIATIONS LEGEND:**

AC/AC	AIR CONDITIONING
AFI	ABOVE FINISHED FLOOR
AUJ	AUTHORITY HAVING JURISDICTION
AMP	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO/VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BLDG	BUILDING
CB	CIRCUIT BREAKER
C	CONDUIT
CAN	CANALS
COMPT	COMPUTER
CAND	CANDIDATE
CUST	CUSTOMER
E.C.	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
END OF LINE	END OF LINE
EW/WH	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
NOT USED	
G. GND	GROUND
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
INT	INTERMEDIATE METAL CONDUIT
INFO	INFORMATION
KAIC	KILO (THOUSAND) AMPERE INTERRUPT CAPACITY
KVA	KILO (THOUSAND) VOLT/AMPERES
KVAI	KERNEL-BASED VIRTUAL MACHINE (CONTROL VIDEO MONITORS)
KW	KILO (THOUSAND) WATTS
LOT/LGTS	LIGHTS
MC	MAIN DISTRIBUTION PANEL
MCP	METAL-CLAD
N	NEUTRAL
NC	NORMALLY CLOSED
NAC	NOTIFICATION APPLIANCE CIRCUIT
NEC	NATIONAL ELECTRICAL CODE
PH	PHASE
PH	POLYVINYL CHLORIDE
RECEPT	RECEPTACLE
RM	RESTROOM
RR	RESTROOM
SERV	SERVER
TELE	TELEPHONE
TERM	TERMINAL
THIN	THERMOPLASTIC HIGH HEAT NYLON UNDER COUNTER
UNO	UNLESS OTHERWISE
UPS	UNINTERRUPTED POWER SYSTEM
VOLTS	VOLTS
VEST	VESTIBULE
W	WIRE
WALK-IN	WALK-IN
WP	WEATHER PROOF



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

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

**2 Recept ID Detail**  
NOT TO SCALE

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PROJECT NAME  
**WAWA F85FB 2017.01 STORE #5294-CNY**  
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SHEET TITLE  
**ELECTRICAL POWER PLAN**

Revision Schedule

No.	Description	Date
1	Issue	01/17/2017
2	FILED SET	07/28/2017
3	BID SET	09/04/2017

PROJECT NO.  
2016002

DATE  
01/17/2017

DRAWN  
JAL

CHECKED  
JPM

**E1**