

- CODED NOTES**
- SHOW WINDOW RECEPTACES TO BE MOUNTED ABOVE SHOW WINDOW CIRCUIT VIA THROUGH. VERIFY COLOR OF RECEPTACES AND COVER PLATES WITH OWNER.
 - PROVIDE 20 AMP, 120V SINGLE RECEPTACE WITH ISOLATED 3RD WIRE GROUND FOR PRINTERS/P.O.S. MOUNT WITHIN 4' OF UNIT. FIELD COORDINATE EXACT LOCATION.
 - HOOD SUPPRESSION MANUAL PULL STATION. PROVIDE OCTAGON J-BOX AND 1/2" CONDUIT TO 12' ABOVE CEILING. INSTALL PER MANUFACTURER'S RECOMMENDATION. MOUNT AT 48" AFF. NO BENDS, ELBOWS OR OFFSETS ALLOWED IN CONDUIT.
 - VERIFY LOCATION OF DOOR BUZZER DEVICES WITH OWNER PRIOR TO ROOM-IN. REFER TO WIRING DETAIL ON THIS SHEET. THE POWER TO NEAREST AVAILABLE 120V CIRCUIT.
 - ACQU-1,2,3. SEE SHEET E3 FOR CIRCUITING INFORMATION. FIELD COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO STARTING WORK. INCLUDE IN BID ALL WORK REQUIRED FOR A COMPLETE SYSTEM.
 - EXTEND 1" EMPTY CONDUIT (WITH PULL WIRE) FROM OFFICE TO PDS CABINET AT FRONT COUNTER FOR TEL/ DATA CABLES.
 - CIRCUITS AND DEVICES SERVING EQUIPMENT LOCATED ALONG THE SERVICE COUNTER SHALL BE MOUNTED IN PARTIAL REAR WALL LOCATIONS SHALL BE FROM THE NEAREST FULL HEIGHT WALL AND EXTENDED TO PANEL AS REQUIRED. COORDINATE EXACT LOCATIONS WITH THE MILL WORK MANUFACTURERS PRIOR TO ROOM-IN.
 - 2X2X3/4" FIRE RATED PLWOOD BACKBOARD AT 60" AFF. WITH DEDICATED DUPLEX RECEPTACE AND CIRCUIT WITH ISOLATED GROUND FOR TELEPHONE AND SECURITY SYSTEM. EXTEND 1" CONDUIT WITH PULL WIRE FROM TELEPHONE DISTRIBUTION ROOM TO TELEVANT'S TELEPHONE SYSTEM. COORDINATE REQUIREMENTS WITH LOCAL TELEPHONE COMPANY.
 - CAPING AIR SYSTEMS INCLUDES DISCONNECT AND STARTERS FOR EE-1 (ON ROOF) AND WALL-1 (ABOVE CEILING) MOUNTED IN NEAR 36" PANEL ON EE-1. LIGHTED PULL SWITCH FOR CONTROLLING FANS FINISHED AS PART OF CAPING/PAINT PRIOR TO STARTING WORK. INCLUDE IN BID ALL WORK REQUIRED FOR A COMPLETE EXHAUST FAN/SUPPLY FAN HOOD ASSEMBLY.
 - PROVIDE ISOLATED GROUND DUPLEX RECEPTACE FOR P.O.S. HUB. FIELD COORDINATE EXACT MOUNTING LOCATION.

- PROVIDE ISOLATED GROUND QUAD RECEPTACE FOR P.O.S. SERVER. FIELD COORDINATE EXACT MOUNTING LOCATION.
- PROVIDE ISOLATED GROUND DUPLEX RECEPTACE TO EACH OF THE SECURITY SYSTEM, THE AUDIO SYSTEM, AND THE CREDIT/DEBIT CARD SYSTEM. FIELD COORDINATE EXACT MOUNTING LOCATIONS.
- 400A, 120 / 208V MCB ELECTRIC PANEL WITH 150A SUB-FEED BREAKER. SEE SHEET E3 FOR ADDITIONAL INFORMATION.
- 225A, 120 / 208V MCB ELECTRIC PANEL. SEE SHEET E3 FOR ADDITIONAL INFORMATION.
- PROVIDE J-BOX FOR GAS WATER HEATER. MAKE FINAL LIQUID TIGHT CONNECTION TO UNIT. VERIFY MOUNTING HEIGHT WITH PLUMBING CONTRACTOR.
- FURN-1,2,3. SEE SHEET E3 FOR CIRCUITING INFORMATION. FIELD COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO STARTING WORK. INCLUDE IN BID ALL WORK REQUIRED FOR A COMPLETE SYSTEM.
- SEE DETAIL A2 ON SHEET A500 FOR OFFICE ELEVATIONS.
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- CONDUITS RUN IN FLOOR. (ONE EACH POWER AND TEL/DATA). FIELD COORDINATE EXACT REQUIREMENTS WITH G.C.

ELECTRICAL SCHEDULE

ITEM	VOLTS	PH.	LOAD	OUTLET	TO OPERATE /REMARKS
8	120	1	15.0A	5-1BR	P.O.S. (3 LOCATIONS)
8a	120	1	-	5-1BR	P.O.S. PRINTER (3 LOCATIONS)
8b	120	1	15.0A	5-1BR	P.O.S. REBOTE TICKET PRINTER
8c	120	1	15.0A	5-1BR	P.O.S. SERVER
11b	120	1	1.5A	5-1BR	TEA DISPENSER
13	120	1	3.0A	5-1BR	SODA DISPENSER (2 LOCATIONS)
14	208	1	8.8A	6-2BR	ICE MACHINE (2 LOCATIONS)
15	120	1	4.3A	5-1BR	FOOD PREP TABLE
16	120	1	2.6A	5-1BR	SANDWICH WARM TABLE
18	120	1	10.0A	5-1BR	COUNTERTOP WARMER
19a	120	1	3.1A	5-1BR	CHEF BASE
19b	120	1	0.68A	5-1BR	36" GAS GRIDDLE - IGNITER
20a	120	1	0.88A	5-1BR	60" GAS GRIDDLE - IGNITER
22	120	1	2.8A	5-1BR	GAS FRIER - CONTROLS
23	120	1	5.4A	5-1BR	GAS FRIER - FILTER
23a	120	1	8.3A	5-1BR	COOKED FRY STATION - (2) WARMERS
26	208	3	SEE E3	-	HOOD (EE-1 & WALL-1)
26b	120	1	1.0A	-	HEAT TAPE FOR HOOD GREASE CUP
30	208	1	13.7A	DISC SW BY EC	WALK-IN COOLER CONDENSER/EVAPORATOR
30a	120	1	1.23A	1.1T SW BY EC	WALK-IN COOLER LIGHTS/DOOR
35	120	1	7.0A	-	CARBONATOR (2 LOCATIONS)

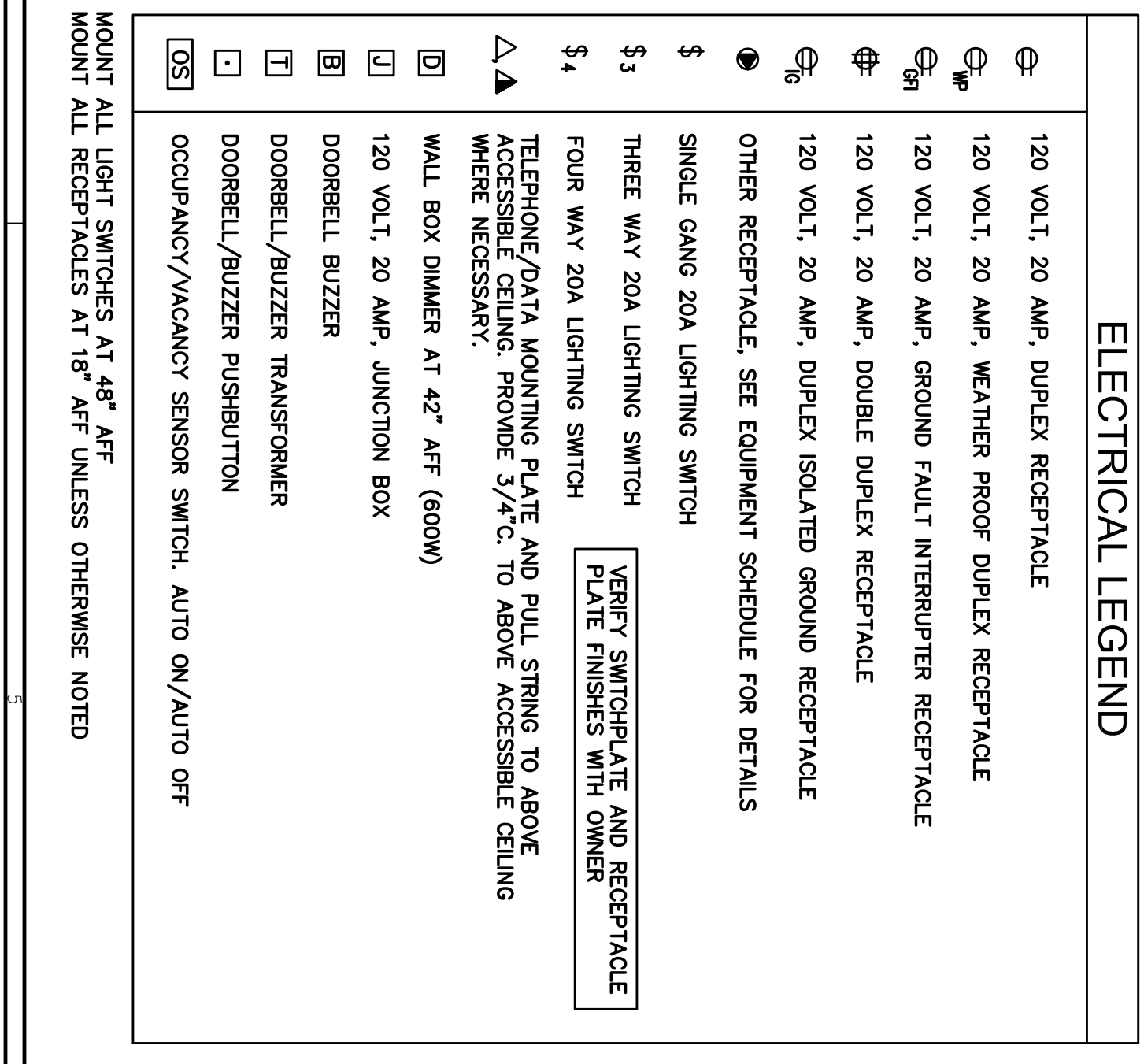
ELECTRICAL LEGEND

⊖	120 VOLT, 20 AMP, DUPLEX RECEPTACLE	VERIFY SWITCHPLATE AND RECEPTACLE PLATE FINISHES WITH OWNER
⊖	120 VOLT, 20 AMP, WEATHER PROOF DUPLEX RECEPTACLE	
⊖	120 VOLT, 20 AMP, GROUND FAULT INTERRUPTER RECEPTACLE	
⊖	120 VOLT, 20 AMP, DOUBLE DUPLEX RECEPTACLE	
⊖	120 VOLT, 20 AMP, DUPLEX ISOLATED GROUND RECEPTACLE	
⊖	OTHER RECEPTACLE, SEE EQUIPMENT SCHEDULE FOR DETAILS	
⊖	SINGLE GANG 20A LIGHTING SWITCH	
⊖	THREE WAY 20A LIGHTING SWITCH	
⊖	FOUR WAY 20A LIGHTING SWITCH	
⊖	TELEPHONE/DATA MOUNTING PLATE AND PULL STRING TO ABOVE ACCESSIBLE CEILING. PROVIDE 3/4" C. TO ABOVE ACCESSIBLE CEILING WHERE NECESSARY.	
⊖	WALL BOX DIMMER AT 42" AFF (600W)	
⊖	120 VOLT, 20 AMP, JUNCTION BOX	
⊖	DOORBELL BUZZER	
⊖	DOORBELL/BUZZER TRANSFORMER	
⊖	DOORBELL/BUZZER PUSHBUTTON	
⊖	OCCUPANCY/VACANCY SENSOR SWITCH, AUTO ON/AUTO OFF	

⊖ MOUNT ALL LIGHT SWITCHES AT 48" AFF
⊖ MOUNT ALL RECEPTACLES AT 18" AFF UNLESS OTHERWISE NOTED

- GENERAL NOTES**
- E.C. IS RESPONSIBLE TO SECURE AND PAY FOR ALL PERMITS, ADHERE TO ALL STATE, LOCAL AND NATIONAL ELECTRIC CODES, AND SCHEDULE INSPECTION TIMES AS TO NOT DELAY JOB PROGRESS.
 - COORDINATE ALL WORK WITH OTHER TRADES TO ELIMINATE CONFLICTS ON THE JOB.
 - PERFORM ALL WORK IN A NEAT AND PROFESSIONAL MANNER, AND SUPPLY ALL NEW EQUIPMENT AND ACCESSORIES.
 - SLIGHT SHOP DRAWINGS AND OPERATION MANUALS OF ALL EQUIPMENT AND ACCESSORIES FOR OWNER APPROVAL, PRIOR TO STARTING WORK.
 - ALL LINE VOLTAGE WIRING IS TO BE IN CONDUIT OR MC CABLE. MINIMUM SIZE CONDUIT TO BE 1/2" FOR INDIVIDUAL LIGHT FIXTURE CONNECTIONS, AND 3/4" FOR ALL OTHER LOCATIONS. FLEXIBLE CONDUIT TO BE MC CABLE (NO BX).
 - ALL ELECTRICAL PANELS ARE TO BE BASED ON SQUARE "T" OR EQUAL, BY G.E. OR ITS SEABERS WITH BOLT-ON TYPE CIRCUIT BREAKERS.
 - ALL PENETRATIONS OF WALL, ROOF AND CEILINGS TO BE SEALED AS REQUIRED WITH UL APPROVED FIRE SEALANT PER MANUFACTURER'S DETAIL TO MAINTAIN FIRE RATING AS REQUIRED. CONTRACTOR TO HAVE UL APPROVED DETAIL ON SITE.
 - CONDUITS AND/OR CABLES INSTALLED UNDER ROOF DECKING SHALL HAVE A MINIMUM OF 1 1/2" SPACE BETWEEN CONDUITS AND/OR CABLES AND ROOF DECKING PER NEC ARTICLE 300.4 (E).
 - PANELBOARDS, METER SOCKET ENCLOSURES, ETC., THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS PER NEC 110.16.
 - ALL WIRING IS TO BE COLOR-CODED AS FOLLOWS:
120/208V VOLT SYSTEM:
NEUTRAL - WHITE
PHASE A OR L1 - BLACK
PHASE B OR L2 - RED
PHASE C OR L3 - BLUE
GROUND - GREEN

- PROVIDE FLEXIBLE CONDUIT FOR ALL VIBRATING EQUIPMENT, NOT TO EXCEED 3 FT. IN LENGTH.
- MINIMIZE EXPOSED CONDUIT BY CONCEALING IN WALLS AS MUCH AS POSSIBLE.
- BALANCE ALL PANELS WITHIN 10% OF EACH PHASE LEG.
- PROVIDE LABELS AND TAGS FOR ALL PANELS AND SWITCHGEAR EQUIPMENT. PROVIDE TYPED DIRECTORY OF ALL CIRCUITS LABELED BY ROOM NUMBER OR NAME.
- ROUTING ALL EMERGENCY LIGHT FIXTURES, EXIT SIGNS AND NIGHTLIGHTS. (N) TO LOCAL CIRCUIT AHEAD OF ANY SWITCHING.
- REFER TO MECHANICAL PLAN FOR LOCATION OF MECHANICAL EQUIPMENT. FIELD VERIFY EXACT LOCATIONS.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH NATIONAL ELECTRIC CODE AND ALL LOCAL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. AFTER CONTRACT IS ISSUED, NO ADDITIONAL COST DUE TO CODE ISSUES SHALL BE REIMBURSED BY THE OWNER TO THE CONTRACTOR.
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- ELECTRICAL CONTRACTOR IS RESPONSIBLE TO INQUIRE WITH THE LOCAL CODE AGENCY ON ANY FIELD WORK. CONTRACTOR SHALL VERIFY EXACT/ALL MOUNTING HEIGHTS, LOCATIONS AND COLOR FINISHES AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERIFY ALL MOUNTING HEIGHTS, LOCATIONS AND COLOR FINISHES AS SHOWN ON THE DRAWINGS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO INFORM THE GENERAL CONTRACTOR AND INCLUDE THE COST AS A SEPARATE LINE ITEM IN THE BID. NO ADDITIONAL MONIES SHALL BE AWARDED WITHOUT A SEPARATE LINE ITEM FOR THE FIRE ALARM SYSTEM AT THE TIME OF THE BID.
- ELECTRICAL CONTRACTOR SHALL VERIFY EXACT/ALL MOUNTING HEIGHTS, LOCATIONS AND COLOR FINISHES AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERIFY ALL MOUNTING HEIGHTS, LOCATIONS AND COLOR FINISHES AS SHOWN ON THE DRAWINGS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO INFORM THE GENERAL CONTRACTOR AND INCLUDE THE COST AS A SEPARATE LINE ITEM IN THE BID. NO ADDITIONAL MONIES SHALL BE AWARDED WITHOUT A SEPARATE LINE ITEM FOR THE FIRE ALARM SYSTEM AT THE TIME OF THE BID.
- E.C. IS TO KEEP A CURRENT COPY OF THE AS-BUILT CONDITIONS DURING THE PROJECT. AT THE END OF THE PROJECT, THE E.C. SHALL TURN OVER TO THE OWNER 3 COPIES OF THE FINAL AS-BUILT DRAWINGS.



REVISIONS

#	DATE	DESCRIPTION
1	01/21/11	REVISED PER ILL. MUNICIPAL 4 CORP. COMMENTS
1	02/08/2011	ISSUED FOR CONSTRUCTION

PROJECT NUMBERS: 10232
DRAWING NO.: DRR
CHECKED BY: DR

FIVE GUYS
BURGERS and FRIES

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