GENERAL NOTES

1. CONTRACTOR INSTRUCTIONS ON SHEET G001 APPLY TO ALL TRADES. E.C. SHALL REVIEW AND COMPLY.
2. ANY CIRCUITS SHOWN ON ELECTRICAL PLANS ARE DIAGRAMMATIC. E.C. SHALL DETERMINE THE MOST EFFICIENT ROUTING OF CONDUIT IN THE FIELD.
3. INSTALLATION SHALL COMPLY WITH NATIONAL ELECTRICAL CODE, STATE BUILDING CODE AND ALL REQUIREMENTS OF THE LOCAL INSPECTOR (FURNISH INSPECTION CERTIFICATE). ALL WORK SHALL BE BY LICENSED ELECTRICAL CONTRACTOR. COORDINATE WITH LOCAL INSPECTIONS FOR CORRECTION OF NON-CODE COMPLIANT EXISTING WORK.
4. ALL BRANCH CIRCUITS SHALL BE IN ZINC-COATED EMT OR RIGID CONDUIT AS PERMITTED BY THE NATIONAL ELECTRICAL CODE. SCHEDULE 40 PVC CONDUIT MAY BE USED ONLY FOR THE UNDERGROUND TELEPHONE SERVICE BURIED ON THE EXTERIOR OF THE BUILDING. ALL CONDUIT SHALL BE 1/2" MIN. SIZE. EMT FITTINGS SHALL BE STEEL COMPRESSION TYPE.
5. ALL CONDUCTORS SHALL BE COPPER TYPE THHN/THWN OR THW SOLID FOR #10 AWG OR #12 AWG AND STRANDED FOR ALL LARGER SIZES.
6. ALL WIRING SHALL BE CONCEALED IN WALLS, UNDER SLAB OR ABOVE SUSPENDED CEILING SPACE. WIRING IN OPEN CEILING AREAS SHALL BE RUN INCONSPICUOUSLY AND TIGHT TO THE STRUCTURE. RUNS SHALL BE MADE PARALLEL OR PERPENDICULAR TO MAIN STRUCTURAL ELEMENTS.
7. FOR HOME RUNS ON 20 AMP CIRCUITS EXCEEDING FIFTY (50) FEET FROM THE PANEL BOARD, USE #10 AWG MIN.
8. ALL MOUNTING HEIGHTS ARE GIVEN TO THE BOTTOM OF THE DEVICE UNLESS OTHERWISE NOTED. MOUNT ALL RECEPTACLES 16" ABOVE FINISHED FLOOR TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED.
9. THE LOCATION OF ALL WALL MOUNTED DEVICES, INCLUDING MOUNTING HEIGHTS, SHALL BE FIELD VERIFIED WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS, UNLESS NOTED OTHERWISE BY OTHER DISCIPLINES.
11. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED SO THAT ALL CODE REQUIRED AND MANUFACTURER RECOMMENDED SERVICING CLEARANCES ARE MAINTAINED.
12. ALL WIRING SHALL BE CONCEALED IN METALLIC CONDUIT UNLESS NOTED OTHERWISE. CONDUIT SHALL BE LABELED EVERY TEN FEET.
13. PROVIDE PULL STRING IN ALL EMPTY CONDUIT.
14. PROVIDE CODE SIZED GROUND CONDUCTOR IN ALL CONDUIT RUNS.
15. E.C. SHALL LABEL ALL PANELS AND PROVIDE CIRCUIT DIRECTORY FOR EACH PANEL UPON COMPLETION. THE DIRECTORY SHALL BE A TYPE WRITTEN HARD COPY AND INSERTED IN PLASTIC JACKET AND MOUNTED ON THE INSIDE OF PANEL DOORS.
16. VERIFY THAT A WEATHER-PROOF GFCI PROTECTED RECEPTACLE IS LOCATED WITHIN 25' OF ALL EXTERIOR MECHANICAL EQUIPMENT. ADD RECEPTACLES AS REQUIRED FOR COMPLIANCE.
17. E.C. SHALL VERIFY ALL EQUIPMENT REQUIREMENTS WITH EQUIPMENT SUPPLIER AND EQUIPMENT NAMEPLATE DATA PRIOR TO ROUGH-IN.
18. E.C. SHALL COORDINATE COLOR OF RECEPTACLES AND COVER PLATES WITH ARCHITECT.
19. ALL DEVICES REQUIRED TO BE ADA ACCESSIBLE SHALL BE INSTALLED PER ANSI A117.1.
20. CONTRACTOR SHALL ASSUME THAT <u>ALL ELECTRICAL WORK AND DEVICES</u> SHOWN ARE BY THE ELECTRICAL CONTRACTOR UNLESS <u>SPECIFICALLY</u> SHOWN AS BY OTHERS OR EXISTING.
21. E.C. SHALL PROVIDE OWNER/FRANCHISEE WITH COMPLETE SET OF ELECTRICAL AS-BUILT DRAWINGS SHOWING ALL ALTERATIONS FROM ORIGINAL DESIGN WITHIN 30 DAYS OF ACCEPTANCE.
22. E.C. SHALL PROVIDE OWNER/FRANCHISEE WITH OPERATIONS & MAINTENANCE MANUAL(S) FOR ALL ELECTRICAL SYSTEMS AND EQUIPMENT WITHIN 30 DAYS OF ACCEPTANCE.
23. E.C. SHALL TEST ALL LIGHTING SYSTEMS TO ENSURE PROPER CALIBRATION, ADJUSTMENT, PROGRAMMING AND OPERATION.
24. E.C. SHALL PROVIDE CONDUCTORS SUCH THAT MAXIMUM VOLTAGE DROP IN FEEDER CONDUCTORS DOES NOT EXCEED 2% AND IN BRANCH CIRCUIT CONDUCTORS DOES NOT EXCEED 3%.

POWER LEGEND

SYMBOL	DESCRIPTION
——→	HOME RUN TO PANEL -- SEE PANEL SCHEDULE.
□J	DISCONNECT SWITCH
(J)	JUNCTION BOX, SIZE AND USE AS REQUIRED; COVERPLATE SHALL OVERLAP THE BOX EDGE BY 1/2" WHERE RECESSED IN WALL WITH CONCEALED WIRING.
⊕	QUAD RECEPTACLE, NEMA 5-20R, 120 VAC. MOUNT 16" AFF TO BOTTOM OF BOX UON.
⊖	DUPLEX RECEPTACLE, NEMA 5-20R, 120 VAC. MOUNT 16" AFF TO BOTTOM OF BOX UON.
$⊖_S$	SWITCHED DUPLEX RECEPTACLE, NEMA 5-20R, 120 VAC. MOUNT 16" AFF TO BOTTOM OF BOX UON.
$⊖_{OR}$	OCCUPANCY SENSOR CONTROLLED DUPLEX RECEPTACLE, NEMA 5-20R, 120 VAC. MOUNT 16" AFF TO BOTTOM OF BOX UON.
⊖	SINGLE RECEPTACLE, NEMA 5-20R, 120 VAC. MOUNT 16" AFF TO BOTTOM OF BOX UON.
⊗	208V RATED -- 1 PHASE OR 3 PHASE RECEPTACLE TO MATCH EQUIPMENT SERVED.
◭	SPECIAL PURPOSE RECEPTACLE. MOUNT 16" AFF TO BOTTOM OF BOX UON.
⌀	CEILING MOUNTED DUPLEX RECEPTACLE 20 AMP, 120 VAC.
▦	QUAD FLUSH MOUNTED FLOOR RECEPTACLE -- 120/1P, 20 AMP RATED
▼	TELEPHONE-DATA OUTLET
⊡	DOOR BELL PUSH BUTTON
DB TR	DOOR BELL TRANSFORMER.
UON	UNLESS OTHERWISE NOTED
ETR	EXISTING TO REMAIN
T/O	TOP OF OUTLET
C/O	CENTER OF OUTLET
B/O	BOTTOM OF OUTLET
GFI	GROUND FAULT INTERRUPTER
IG	ISOLATED GROUND
WP	WEATHERPROOF
NL	NIGHT LIGHT
C.M.	CEILING MOUNTED
R/L	RELOCATED
TTB	TELEPHONE TERMINAL BOARD
VIF	VERIFY IN FIELD. E.C. TO ADJUST AS REQUIRED.
SM	DUCT SMOKE DETECTOR (PROVIDED AND INSTALLED BY FIRE ALARM CONTRACTOR)
TC	ASTRONOMIC TIME CLOCK
©	3-GANG J BOX-- TERMINATION POINT OF ALL CAT5 WIRES
Ⓕ	WIREMOLD FLOOR BOX RFB4-SS

CEILING LEGEND

SYMBOL	DESCRIPTION
	2X4 LIGHT FIXTURE
	LED LINEAR FIXTURE
	LED LINEAR FIXTURE WITH EM BACK UP
	UNDER CABINET LED FIXTURE
○	CAN LIGHT
	EXTERIOR WALLPACK
	EXTERIOR CYLINDER
	EXTERIOR EMERGENCY LIGHT
	EMERGENCY LIGHT
	COMBO EXIT SIGN AND LIGHT
	CEILING FAN
(J)	JUNCTION BOX, SIZE AND USE AS REQUIRED; COVERPLATE SHALL OVERLAP THE BOX EDGE BY 1/2" WHERE RECESSED IN WALL WITH CONCEALED WIRING.
$	SINGLE POLE SWITCH -- 20 AMP, 120 VOLT, 48" AFF TO TOP OF BOX UON.
$3	THREE-WAY SWITCH -- 20 AMP, 120 VOLT, 48" AFF TO TOP OF BOX UON.
$OS	OCCUPANCY SENSOR ACTIVATED SWITCH -- 20 AMP, 120 VOLT, 48" AFF TO TOP OF BOX UON. PROVIDE DUAL TECHNOLOGY TYPE, PASSIVE INFRARED AND ULTRASONIC.
SB	SWITCH BANK -- SEE DETAIL 2/E121
	SECURITY CAMERA (CEILING MOUNTED OR SUSPENDED FROM STRUCTURE)
S	SPEAKER (CEILING MOUNTED OR SUSPENDED FROM STRUCTURE)
OS	CEILING MOUNTED OCCUPANCY SENSOR-- PROVIDE DUAL TECHNOLOGY TYPE, PASSIVE INFRARED AND ULTRASONIC.
ETR	EXISTING TO REMAIN
NL	NIGHT LIGHT
TC	ASTRONOMIC TIME CLOCK

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