

FIRE ALARM SYSTEM LEGEND	
	WEATHERPROOF FIRE ALARM BEACON
	MANUAL PULL STATION
	FIRE ALARM [HORN][SPEAKER]/STROBE COMBINATION UNIT, RATED 90db OUTPUT AND 75cd UNLESS OTHERWISE NOTED
	FIRE ALARM MINI [HORN][SPEAKER]/STROBE COMBINATION UNIT, RATED 90db OUTPUT AND 75cd UNLESS OTHERWISE NOTED
	FIRE ALARM STROBE ONLY DEVICE, UNIT RATED OUTPUT 75cd UNLESS OTHERWISE NOTED
	FIRE ALARM HORN ONLY DEVICE
	FIRE ALARM SPEAKER ONLY DEVICE
	FIRE ALARM MASTER BOX
	WEATHERPROOF KNOCK BOX
	AUTO DIALER
	HEAT DETECTOR, COMBINATION FIXED TEMPERATURE AND RATE-OF-RISE TYPE - 195 UNLESS OTHERWISE INDICATED
	SMOKE DETECTOR
SMOKE DETECTOR NOTES:	
"E" INDICATES FOR ELEVATOR PECALL	
"I" INDICATES IONIZATION TYPE	
"L" INDICATES LOCAL NOTIFICATION RESIDENTIAL TYPE	
"D" INDICATES DUCT MOUNTED SMOKE DETECTOR WITH HOUSING AND SAMPLING TUBE	
"S" INDICATES SUPPLY SIDE	
"R" INDICATES RETURN SIDE	
"T" INDICATES BEAM TYPE DETECTOR TRANSMITTER	
"R" INDICATES BEAM TYPE DETECTOR RECEIVER	
	REMOTE TEST AND ALARM INDICATING STATION
	REMOTE ALARM INDICATOR
	FLOW SWITCH ON FIRE PROTECTION PIPING (FURNISHED AND INSTALLED BY OTHERS)
	TAMPERS SWITCH ON FIRE PROTECTION VALVE (FURNISHED AND INSTALLED BY OTHERS)
	PRESSURE SWITCH (FURNISHED AND INSTALLED BY OTHERS)
	FIRE ALARM CONTROL PANEL
	FIRE ALARM REMOTE ANNUNCIATOR
	FIRE ALARM TERMINAL CABINET
	FIRE COMMAND CENTER
	ADDRESSABLE MONITOR MODULE
	ADDRESSABLE CONTROL MODULE
	FIRE FIGHTER'S TELEPHONE JACK STATION
	FIRE ALARM MAGNETIC DOOR HOLDER

POWER DEVICES LEGEND	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE - "Z" INDICATES CIRCUIT NUMBER
	DOUBLE DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTOR
	SPECIAL PURPOSE RECEPTACLE - REFER TO "SPECIAL PURPOSE RECEPTACLE SCHEDULE" FOR NEMA CONFIGURATION AND ADDITIONAL INFORMATION
	DUPLEX RECEPTACLE WITH BOTTOM HALF OF RECEPTACLE CONTROLLED BY WALL SWITCH "o"
	CEILING MOUNTED RECEPTACLE
RECEPTACLE NOTES:	
"C" INDICATES DEVICE TO BE MOUNTED ABOVE COUNTER SURFACE	
"E" INDICATES DEVICE FED FROM AN EMERGENCY POWER SOURCE	
"EW" INDICATES RECEPTACLE FOR ELECTRIC WATER COOLER	
"R" INDICATES RANGE RECEPTACLE	
"T" INDICATES RECEPTACLE WITH INTEGRAL TRANSIENT VOLTAGE SURGE SUPPRESSOR	
"TR" INDICATES TAMPER RESISTANT TYPE RECEPTACLE	
"WP" INDICATES RECEPTACLE MOUNTED IN A WEATHERPROOF ENCLOSURE	
	POWER POLE - PROVIDE AS SPECIFIED ON DRAWINGS
	MULTIPLE OUTLET SINGLE-CHANNEL RACEWAY SYSTEM ASSEMBLY, FACTORY WIRED WITH RECEPTACLES. REFER TO SPECIFICATIONS FOR RECEPTACLE TYPE AND SPACING, AND FOR RACEWAY TYPE (PLASTIC, STEEL OR ALUMINUM).
	MULTIPLE OUTLET DUAL-CHANNEL RACEWAY SYSTEM ASSEMBLY, WITH FULL-SIZE RECEPTACLES AND TELE/DATA OUTLETS. REFER TO SPECIFICATIONS FOR RACEWAY TYPE (PLASTIC, STEEL OR ALUMINUM), AND FOR RACEWAY SIZE.
	FLOOR MOUNTED DUPLEX RECEPTACLE. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE.
	FLOOR MOUNTED DOUBLE DUPLEX RECEPTACLE. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE.
	FLOOR MOUNTED DUPLEX RECEPTACLE AND TELE/DATA DEVICE. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE.
	FLUSH FLOOR MOUNTED POKE-THRU DEVICE. REFER TO SPECIFICATIONS OR FLOOR PLANS FOR MODEL TYPE INDICATING POWER AND TELE/DATA REQUIREMENTS.

COMMUNICATIONS LEGEND	
	VOICE OUTLET DEVICE
	WALL MOUNTED AT 54" VOICE OUTLET DEVICE
	DATA OUTLET DEVICE
	COMBINATION VOICE AND DATA OUTLET DEVICE
	SURFACE FLOOR MOUNTED TELEPHONE OUTLET. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE.
	SURFACE FLOOR MOUNTED DATA OUTLET. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE.
	SURFACE FLOOR MOUNTED TELEPHONE AND DATA OUTLET. REFER TO SPECIFICATIONS FOR FLOOR BOX TYPE.
	CABLE TELEVISION OUTLET DEVICE
	3/4" THICK x 8"-0" HIGH x LENGTH AS INDICATED ON THE DRAWINGS PLYWOOD. PLYWOOD SHALL BE PAINTED GREY AND MOUNTED TO WALL.
COMMUNICATION DEVICE NOTES:	
"C" INDICATES MOUNTED ABOVE COUNTER HEIGHT	
"P" INDICATES PUBLIC PAY PHONE	
NOTES:	
1. AS A MINIMUM, FOR EACH COMMUNICATION DEVICE PROVIDE A 4 1/16" SQUARE BACKBOX AND SINGLE GANG MUD RING WITH (1) 3/4" CONDUIT STUBBED UP TO ACCESSIBLE CEILING. CONDUIT SHALL CONTAIN (2) PULLSTRINGS.	

LIGHTING LEGEND	
	2'X2' LIGHT FIXTURE
	2'X4' LIGHT FIXTURE
	1'X4' LIGHT FIXTURE
	FLUORESCENT STRIP OR INDUSTRIAL LIGHT
	UNDER CABINET FIXTURE
	TRACK LIGHTING
	DOWNLIGHT
	WALL WASHER
	WALL MOUNTED FIXTURE
	COMBINATION FAN/LIGHT FIXTURE
	- SHADE - FED FROM LIFE-SAFETY BRANCH. - "NL" INDICATES NIGHT LIGHT FIXTURE (UNSWITCHED).
	UNIVERSAL MOUNT SINGLE OR DOUBLE FACE ILLUMINATED EXIT SIGN, FED FROM LIFE SAFETY BRANCH WITH FACES AND ARROWS AS INDICATED ON DRAWINGS.
	WALL MOUNTED, SINGLE OR DOUBLE FACE ILLUMINATED EXIT SIGN, FED FROM LIFE SAFETY BRANCH WITH FACES AND ARROWS AS INDICATED ON DRAWINGS.
	EMERGENCY BATTERY UNIT WITH LIGHT HEADS
	EMERGENCY BATTERY PACK, FOR REMOTE MOUNTED HEADS
	DUAL REMOTE EMERGENCY HEAD LIGHTING
	SINGLE REMOTE EMERGENCY HEAD LIGHTING

LIGHTING CONTROL LEGEND	
	SINGLE POLE TOGGLE SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED. - "S" INDICATES LIGHT FIXTURE CONTROL
	THREE-WAY TOGGLE SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED. - "S" INDICATES LIGHT FIXTURE CONTROL
	FOUR-WAY TOGGLE SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED. - "S" INDICATES LIGHT FIXTURE CONTROL
	WALL MOUNTED OCCUPANCY SENSOR, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED.
	CEILING MOUNTED OCCUPANCY SENSOR
	KEY CONTROLLED SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED.
	INCANDESCENT SLIDE-TO-OFF DIMMER SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED. LUTRON #NT-4, FINISH SELECTED BY OWNER.
	INCANDESCENT PRESET DIMMER SWITCH AND 3-WAY SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED. LUTRON #NTL-4-3P, FINISH SELECTED BY OWNER.
	LOW VOLTAGE (MAGNETIC BALLAST) SLIDE-TO-OFF DIMMER SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED. LUTRON #NTLV-4, FINISH SELECTED BY OWNER.
	LOW VOLTAGE (MAGNETIC BALLAST) PRESET DIMMER SWITCH AND 3-WAY SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED. LUTRON #NTLV-4-3P, FINISH SELECTED BY OWNER.
	FLUORESCENT SLIDE-TO-OFF DIMMER SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED. LUTRON #NF-10-4, FINISH SELECTED BY OWNER.
	FLUORESCENT PRESET DIMMER SWITCH AND 3-WAY SWITCH, WALL MOUNTED AT 48" UNLESS OTHERWISE NOTED. LUTRON #NF-10-3P-4, FINISH SELECTED BY OWNER.
	RAISE LOWER SWITCH
	WALL MOUNTED PHOTO CELL
	CEILING MOUNTED PHOTO CELL
	LOW VOLTAGE LIGHTING CONTROL SWITCH
	UL LISTED GENERATOR TRANSFER DEVICE (EMERGENCY RELAY) - REFER TO WIRING DETAIL FOR ADDITIONAL INFORMATION

MECHANICAL EQUIPMENT IDENTIFIER LEGEND	
	MECHANICAL EQUIPMENT TAG "EF" INDICATES EQUIPMENT TYPE (EXHAUST FAN) "1" INDICATES EQUIPMENT NUMBER
NOTES:	
1. REFER TO MECHANICAL AND PLUMBING PLANS AND SCHEDULES FOR ACTUAL EQUIPMENT NAME AND ASSOCIATED DESCRIPTION.	

DRAWING NOTES AND DESIGNATIONS	
	DETAIL IDENTIFIER "1" INDICATES DETAIL NUMBER "E-004" INDICATES SHEET NUMBER
	DRAWING REVISION MARKER
	DRAWING REVISION CLOUD

SITE LIGHTING AND POWER LEGEND	
	SITE LIGHTING FIXTURE
	SITE LIGHTING BOLLARD
	HANDHOLE
	MANHOLE
	UTILITY POLE

ELECTRICAL DRAWING LIST	
DRAWING No.	DESCRIPTION
E0.01	ELECTRICAL - LEGEND AND GENERAL NOTES
E1.01	ELECTRICAL - LIGHTING PLAN FIRST FLOOR
E1.02	ELECTRICAL - LIGHTING PLAN SECOND FLOOR
E1.03	ELECTRICAL - LIGHTING PLAN THIRD & FOURTH FLOORS
E1.04	ELECTRICAL - LIGHTING PLAN FIFTH FLOOR
E2.01	ELECTRICAL - POWER PLAN FIRST FLOOR
E2.02	ELECTRICAL - POWER PLAN SECOND FLOOR
E2.03	ELECTRICAL - POWER PLAN THIRD & FOURTH FLOORS
E2.04	ELECTRICAL - POWER PLAN FIFTH FLOOR
E2.05	ELECTRICAL - ROOF PLAN
E3.01	ELECTRICAL - FIRE ALARM PLAN FIRST FLOOR
E3.02	ELECTRICAL - FIRE ALARM PLAN SECOND FLOOR
E3.03	ELECTRICAL - FIRE ALARM PLAN THIRD & FOURTH FLOORS
E3.04	ELECTRICAL - FIRE ALARM PLAN FIFTH FLOOR
E4.01	ELECTRICAL - UNIT PLANS
E4.02	ELECTRICAL - UNIT PLANS
E4.03	ELECTRICAL - UNIT PLANS
E4.04	ELECTRICAL - PARTIAL PLANS
E5.01	ELECTRICAL - RISER DIAGRAM
E5.02	FIRE ALARM - RISER DIAGRAM
E6.01	ELECTRICAL - SCHEDULES
E6.02	ELECTRICAL - SCHEDULES
E6.03	ELECTRICAL - DETAILS

PROJECT GENERAL NOTES	
1. THE CONTRACTOR SHALL FURNISH LABOR, MATERIALS, TOOLS AND OTHER EQUIPMENT REQUIRED TO INSTALL THE WORK SHOWN AND SPECIFIED. THE CONTRACTOR SHALL FURNISH AND INSTALL ITEMS NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM. MATERIALS SHALL BE NEW AND SHALL BEAR THE REGISTERED UL MARK. WORK SHALL CONFORM WITH THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 70 (NEC), THE NATIONAL ELECTRICAL CODE (NEC), AND APPLICABLE FEDERAL, STATE AND LOCAL CODES. CONTRACTOR SHALL SECURE PERMITS AND PAY THE FEES REQUIRED TO CARRY OUT HIS WORK. THE CONTRACTOR SHALL FURNISH COPIES OF CERTIFICATES AND PERMITS TO THE ARCHITECT.	
2. THE DRAWINGS AND SPECIFICATIONS INDICATE THE INTENT OF THE DESIGN AND SHALL BE CONSIDERED AS DIAGRAMMATIC ONLY. EXACT LOCATIONS FOR OUTLETS AND EQUIPMENT SHALL BE DETERMINED AT THE SITE, AS WORK PROGRESSES DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE. FINAL WORK SHALL BE DOCUMENTED ON AS BUILT RECORD DRAWINGS.	
3. PIPING, CONDUITS AND EQUIPMENT OF ALL TRADES SHALL BE PROPERLY COORDINATED AND SET TO MAINTAIN THE CLEARANCES REQUIRED BY APPLICABLE FEDERAL, STATE AND LOCAL CODES.	
4. CONDUIT RUNS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION OR EXPANSION DEFLECTION TYPE FITTINGS, AS REQUIRED. VERIFY EXISTING JOINTS BY FIELD MEASUREMENTS.	
5. OUTDOOR ELECTRICAL EQUIPMENT SHALL BE NEMA 3R TYPE, UNLESS OTHERWISE NOTED.	
6. RACEWAYS AND CABLE SHALL BE RUN CONCEALED IN FINISHED SPACES UNLESS OTHERWISE NOTED.	
7. SERVICE EQUIPMENT, LOADCENTERS, PANELBOARDS, MOTOR CONTROL CENTERS AND SWITCHBOARDS SHALL BE PROVIDED WITH DEDICATED WORK SPACE. THE HEIGHT OF THE WORK SPACE SHALL EXTEND FROM THE FLOOR TO A HEIGHT OF 6'-0" OR TO THE HEIGHT OF THE EQUIPMENT, WHICHEVER IS GREATER. THE WIDTH OF THE WORKING SPACE SHALL BE THE WIDTH OF THE ELECTRICAL EQUIPMENT OR 30", WHICHEVER IS GREATER. IN ALL CASES, WORK SPACE SHALL ALLOW AT LEAST A 90 DEGREE OPENING OF EQUIPMENT DOORS OR HINGED PANELS.	
8. ALL LOADCENTERS, PANELBOARDS, MOTOR CONTROL CENTERS AND SWITCHBOARDS SHALL BE LOCATED IN DEDICATED SPACES AND PROTECTED FROM DAMAGE. THE DEDICATED ELECTRICAL SPACE SHALL BE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 6'-0" ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPOINTMENTS SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THROUGH SUCH SPACE.	
9. WIRING DEVICES SHALL BE MOUNTED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE ARCHITECTURAL BARBERS BOARD.	
10. PANELBOARD SHALL BE MOUNTED SO THAT THE DISTANCE FROM THE TOP CIRCUIT BREAKER OPERATING HANDLE TO THE FLOOR SHALL NOT EXCEED 8'-0".	
11. ALL RECEPTACLES INSTALLED IN UNFINISHED AREAS SHALL BE GFI TYPE, MOUNTED 4'-0" ABOVE FINISHED FLOOR.	
12. EXIT SIGNS AND EMERGENCY BATTERY UNITS AND LIGHTING FIXTURES DESIGNATED AS NIGHT LIGHTS SHALL BE UNSWITCHED.	
13. ALL BRANCH CIRCUITS (LIGHTING AND POWER) SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR, COMMON OR SHARING OF NEUTRALS WILL NOT BE ALLOWED. NO MORE THAN (3) CIRCUITS (50A CURRENT CARRYING CONDUCTORS) SHALL BE RUN IN A SINGLE CONDUIT.	
14. RECEPTACLES, SWITCHES, LIGHTING FIXTURES, SMOKE DETECTORS, ETC INDICATE QUANTITY, EXACT LOCATIONS OF DEVICES SHALL BE DETERMINED IN THE FIELD AND COORDINATED WITH ARCHITECTURAL DRAWINGS.	
15. THIS IS A STANDARD SYMBOL LIST. ALL DEVICE SYMBOLS AND ABBREVIATIONS MAY NOT NECESSARILY APPEAR ON THE FLOOR PLANS OR DETAIL SHEET. ONLY THOSE SYMBOLS INDICATED ON THE FLOOR PLANS ARE USED AND OTHERS SHOULD BE DISREGARDED.	
16. MOUNTING HEIGHTS SHALL BE AS INDICATED ON MOUNTING HEIGHT DETAIL.	
17. CONTRACTOR SHALL VERIFY ALL DOORS SWINGS BEFORE INSTALLING SWITCH BOXES.	
18. FOR EXACT LOCATION OF LIGHTING FIXTURES, SEE REFLECTED CEILING PLAN DRAWINGS. FOR MOUNTING HEIGHT OF UNDERCABINET LIGHTING FIXTURES AND OTHER TASK LIGHTING, REFER TO ARCHITECTURAL ELEVATION DRAWINGS.	
19. ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF LIGHTING FIXTURES IN MECHANICAL AND STORAGE AREAS WITH OTHER TRADES.	
20. FOR EXACT LOCATION OF MECHANICAL EQUIPMENT, (AC UNITS, FANS, PUMPS, ETC) REFER TO RESPECTIVE TRADES DRAWINGS.	
21. CURRENT CARRYING MATERIAL USED SHALL BE COPPER, INCLUDING PANELBOARD BUS MATERIALS.	
22. FURNISH GROUNDING/ BONDING BUSHINGS ONTO ALL CONDUIT ENTERING/ LEAVING BOXES.	
23. ALL GROUND CONDUCTORS SHALL BE GREEN, ISOLATED GROUND CONDUCTORS SHALL BE GREEN/ YELLOW STRIPPED, AND NEUTRAL CONDUCTORS SHALL BE WHITE.	
24. UNLESS NOTED OTHERWISE, ALL DATA AND TELEPHONE CABLES SHALL BE BY OTHERS. ELECTRICAL DRAWINGS INDICATE RACEWAY AND BACKBOX SYSTEMS ONLY AND INDICATE TEL/DATA OUTLET CONFIGURATIONS FOR REFERENCE ONLY.	
25. WHEN AVAILABLE FROM THE MANUFACTURER, ALL FIRE ALARM STROBES SHALL BE FIELD ADJUSTABLE AND THE POWER SUPPLY SHALL BE SIZED BASED ON ALL THE STROBES' HIGHEST SETTING.	

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TITLE
ELECTRICAL LEGEND AND GENERAL NOTES

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