

# ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
<b>LIGHTING</b>					
	FLUORESCENT STRIP LIGHT—CEILING MOUNTED		FLUORESCENT LUMINAIRE—CEILING MOUNTED		FLUORESCENT LUMINAIRE—WALL MOUNTED HORIZONTALLY AT 2438.4mm A.F.F UNLESS NOTED OTHERWISE
	CROSS HATCHING SHOWN ON ANY LUMINAIRE, DENOTES EMERGENCY POWER SUPPLY		LUMINAIRE—CEILING OR WALL MOUNTED AS SHOWN		LIGHT TRACK—LENGTH AS SHOWN ON DRAWINGS
	LIGHT TRACK—LENGTH AS SHOWN ON DRAWINGS		MAKE-UP MIRROR LIGHT STRIPS		TRACK MOUNTED LUMINAIRE
	WALL WASHER—CEILING MOUNTED		LUMINAIRE DESIGNATOR, LETTER INSIDE DENOTES LUMINAIRE TYPE. REFER TO LUMINAIRE SCHEDULE.		EXIT LIGHT—WALL OR CEILING MOUNTED. ARROWS INDICATE ILLUMINATED FACE(S) AND DIRECTION, BAR(S) INDICATE ILLUMINATED FACE(S) ONLY.
	EMERGENCY D.C. BATTERY UNIT C/W TWO UNIT MOUNTED HEADS MOUNTED AT 2438.4mm A.F.F.		REMOTE EMERGENCY D.C. LAMP C/W TWO UNIT MOUNTED HEADS MOUNTED AT 2438.4mm A.F.F.		STEP LIGHT
<b>SWITCHES &amp; CONTROLS</b>					
	SINGLE POLE LIGHT SWITCH		GANGED LIGHT SWITCHES C/W ONE PIECE COVER PLATE		LOW VOLTAGE SWITCH
	3-WAY SWITCH		LINE VOLTAGE DIMMER SWITCH		DIGITAL UNIVERSAL DIMMING ROOM LINE VOLTAGE CONTROLLER(DIMMER). IT SHAL BE PROGRAMMED TO ADJUST LIGHT LEVELS FROM 10% TO 100% WITHOUT AN OFF OPTION ("DIMMER ONLY"). DIMMER SHAL BE WATTSOPPER LMRC-220 OR APPROVED EQUAL.
	DIGITAL LOW VOLTAGE LOCAL SWITCH, REFER TO DETAIL 11/E-405 FOR WIRING DETAILS WATTSTOPPER DLM SLMW SERIES OR APPROVED EQUAL		LOW VOLTAGE LOCAL SCENE DIMMER SWITCH, REFER TO DETAIL 12/E-405 FOR WIRING DETAILS WATTSTOPPER DLM SLMW SERIES OR APPROVED EQUAL		LOW VOLTAGE MASTER SWITCH
	SINGLE POLE 120V MECHANICAL SWITCH CONTROLLING EXHAUST FAN BY ELECTRICAL CONTRACTOR PROVIDE LINE SIDE WIRING TO SWITCH, LOAD SIDE WIRING TO FAN BY MECH. CONTRACTOR		CEILING OR WALL MOUNTED OCCUPANCY MOTION SENSOR, LETTER DENOTES TYPE, REFER TO SPECIFICATIONS FOR TYPE DESCRIPTION.		DAYLIGHT PHOTOCCELL SENSOR
<b>FIRE ALARM SYSTEM</b>					
	FIRE ALARM HANDSET.		FIRE ALARM PULLSTATION.		LIFE SAFETY VOICE COMMUNICATION HORN SPEAKER – WALL MOUNTED
	LIFE SAFETY VOICE COMMUNICATION HORN SPEAKER AND STROBE LIGHT UNIT – WALL MOUNTED		CEILING OR WALL MOUNTED STROBE LIGHT.		SMOKE DETECTOR – CEILING OR WALL MOUNTED.
	SMOKE DETECTOR – DUCT MOUNTED.		THERMAL DETECTOR (FIXED ONLY) – CEILING OR WALL MOUNTED.		THERMAL DETECTOR (RATE-OF-RISE) – CEILING OR WALL MOUNTED.
	SPRINKLER FLOW SWITCH BY MECH. CONTRACTOR, CONNECTED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.		SPRINKLER SUPERVISORY VALVE BY MECH. CONTRACTOR, CONNECTED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.		ALARM CHECK VALVE BY MECH. CONTRACTOR, CONNECTED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.
	SMOKE DAMPER CONNECTION.		PRESSURE SWITCH BY MECH. CONTRACTOR, CONNECTED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.		FIRE ALARM FAN SHUT DOWN RELAY
	REMOTE PILOT LIGHT FOR SMOKE DETECTOR		24V DOOR HOLD OPEN DEVICE PROVIDED BY DOOR HARDWARE, PROVIDE 24V 2#18 TWISTED PAIR CABLE FROM CENTRAL DOOR H.O. POWER SUPPLIES (BY DOOR HARDWARE) LOCATED IN ELECTRICAL ROOMS B226 OR 221 (NEAREST ONE) TO DEVICE UTILIZING SAME CONDUIT AS FOR THE SECURITY DEVICES AT THE DOOR, PROVIDE FIRE ALARM CONNECTION TO CENTRAL DOOR H.O. POWER SUPPLIES IN ELECTRICAL ROOMS B226 AND 221.		24V ELECTRIC LATCH RETRACTOR PROVIDED BY DOOR HARDWARE, PROVIDE 24V 2#18 TWISTED PAIR CABLE IN 19mm CONDUIT FROM CENTRAL ELR POWER SUPPLIES (BY DOOR HARDWARE) LOCATED IN ELECTRICAL ROOMS B226 OR 221 (NEAREST ONE) TO DEVICE, PROVIDE FIRE ALARM CONNECTION TO CENTRAL DOOR ELR POWER SUPPLIES IN ELECTRICAL ROOMS B226 AND 221.
	120V FIRE SHUTTERS PROVIDED BY OTHERS CONNECTED TO FA SYSTEM BY ELECTRICAL CONTRACTOR		END OF LINE DEVICE		
<b>RECEPTACLES (15A, 1P, DUPLEX UNLESS NOTED OTHERWISE-)</b>					
	DUPLEX RECEPTACLE—WALL OR CEILING MOUNTED OUTLET TO BE ACCESSIBLE WHEN MOUNTED IN CEILING SPACE		20A, 120V DUPLEX RECEPTACLE—WALL OR CEILING MOUNTED (NEMA 5-20R) OUTLET TO BE ACCESSIBLE WHEN MOUNTED IN CEILING SPACE		DUPLEX RECEPTACLE ON SEPARATE CIRCUIT.
	SPLIT RECEPTACLE MOUNTED ABOVE COUNTER (20A-2P UNLESS NOTED OTHERWISE)		WALL MOUNTED DUPLEX RECEPTACLE WITH GRAY FINISH CONTROLLED VIA OCCUPANCY SENSOR AS INDICATED IN DETAILS 11/E-405 AND 12/E-405.		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
	GROUND FAULT INTERRUPTED DUPLEX RECEPTACLE		DUPLEX RECEPTACLE ON SEPARATE CIRCUIT MOUNTED ABOVE COUNTER		SINGLE RECEPTACLE—WALL MOUNTED OR CEILING MOUNTED
	20A QUAD RECEPTACLE—WALL MOUNTED (SINGLE COVER PLATE) OR CEILING MOUNTED AS SHOWN (NEMA 5-20R)		FLOORBOX RECESSED IN SLAB C/W ONE (1) DUPLEX RECEPTACLES AND FLANGED FLOORPORT SERIES COVER, ENSURE COVER SUITS FLOOR FINISH. FLOORBOX SHALL BE COMPLETELY FLUSHED WITH FLOOR FINISH AND SHALL HAVE APPROPRIATE MOUNTING PLATES FOR OUTLETS THE OUTLETS DESCRIBED ABOVE. PROVIDE WIREMOLD RFB2 SERIES. REFER TO DETAIL 12/E-403.		FLOORBOX RECESSED IN SLAB C/W TWO (2) DUPLEX RECEPTACLES AND ONE (1) VOICE/DATA OUTLET AND FLANGED FLOORPORT SERIES COVER, ENSURE COVER SUITS FLOOR FINISH. FLOORBOX SHALL BE COMPLETELY FLUSHED WITH FLOOR FINISH AND SHALL HAVE APPROPRIATE MOUNTING PLATES FOR OUTLETS THE OUTLETS DESCRIBED ABOVE. PROVIDE WIREMOLD RFB4 SERIES. REFER TO DETAIL 5/E-403.
	FLOORBOX RECESSED IN SLAB C/W TWO (2) DUPLEX RECEPTACLES, ONE (1) VOICE/DATA OUTLET AND ONE (1) EMPTY GANG FOR AV DEVICES AND FLANGED FLOORPORT SERIES COVER, ENSURE COVER SUITS FLOOR FINISH. FLOORBOX SHALL BE COMPLETELY FLUSHED WITH FLOOR FINISH AND SHALL HAVE APPROPRIATE MOUNTING PLATES FOR OUTLETS THE OUTLETS DESCRIBED ABOVE. PROVIDE WIREMOLD RFB4 SERIES. REFER TO DETAIL 5/E-403.		20A, 120V TECHNICAL POWER DUPLEX RECEPTACLE (NEMA 5-20R) C/W SEPARATE NEUTRAL INSULATED, ISOLATED GREEN GROUND WIRE – WALL OR CEILING MOUNTED. SEE NOTE #15		20A, 120V TECHNICAL POWER DUPLEX RECEPTACLE (NEMA 5-20R) C/W SEPARATE NEUTRAL INSULATED, ISOLATED GREEN GROUND WIRE – WALL OR CEILING MOUNTED. RECEPTACLE TO BE PROVIDED BY AV CONTRACTOR AS PART OF FACEPLATE, 120V TECHNICAL POWER CONNECTION C/W WIRING AND CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. REFER TO AV DRAWINGS FOR MOUNTING LOCATION AND HEIGHT AND COORDINATE ALL WORK WITH AV CONTRACTOR. SEE NOTE #15.
	30A, 120V TECHNICAL POWER SINGLE RECEPTACLE (NEMA 5-30R) C/W SEPARATE NEUTRAL INSULATED, ISOLATED GREEN GROUND WIRE – WALL OR CEILING MOUNTED. RECEPTACLE TO BE PROVIDED BY AV CONTRACTOR AS PART OF FACEPLATE, 120V TECHNICAL POWER CONNECTION C/W WIRING AND CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. REFER TO AV DRAWINGS FOR MOUNTING LOCATION AND HEIGHT AND COORDINATE ALL WORK WITH AV CONTRACTOR. SEE NOTE #15.		30A, 120/208V, 3PH, 5W TWIST LOCK RECEPTACLE (NEMA L21-30R) C/W SEPARATE NEUTRAL INSULATED, ISOLATED GREEN GROUND WIRE – WALL OR CEILING MOUNTED. RECEPTACLE TO BE PROVIDED BY AV CONTRACTOR, 120V TECHNICAL POWER CONNECTION C/W WIRING AND CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. REFER TO AV DRAWINGS FOR MOUNTING HEIGHT AND COORDINATE ALL WORK WITH AV CONTRACTOR. SEE GENERAL NOTE #15.		60A, 120/208V, 3PH, 5W IEC 560R9W LOCKING PIN TECHNICAL POWER RECEPTACLE C/W SEPARATE NEUTRAL INSULATED AND ISOLATED GREEN GROUND WIRE. SEE GENERAL NOTE #15 RECEPTACLE SHALL BE HUBBELL HBL560R9W OR APPROVED EQUAL
	20A, 208V, 1PH, 3W TWIST LOCK RECEPTACLE (NEMA L6-20R)		30A, 208V, 1PH, 3W TWIST LOCK RECEPTACLE (NEMA L6-30R)		30A, 208V, 3PH, 4W TWIST LOCK RECEPTACLE (NEMA L15-30R)
	20A, 120/208V, 3PH, 5W TWIST LOCK RECEPTACLE (NEMA L21-20R)		30A, 120/208V, 3PH, 5W TWIST LOCK RECEPTACLE (NEMA L21-30R)		60A, 120/208V, 3PH, 5W IEC 560R9W LOCKING PIN RECEPTACLE RECEPTACLE SHALL BE HUBBELL HBL560R9W OR APPROVED EQUAL
<b>POWER CONNECTIONS</b>					
	120/208V DIRECT CONNECTION TO EQUIPMENT – 15A, UNLESS OTHERWISE SHOWN (LV CONNECTION TO RWS REMOTE DATA STATIONS IN THEATRE SPACES – REFER TO ETL- SERIES DRAWINGS)		347/600V DIRECT CONNECTION TO EQUIPMENT		SINGLE PHASE MOTOR CONNECTION
	THREE PHASE MOTOR CONNECTION.		20A, 120V TECHNICAL POWER DIRECT CONNECTION TO FLOORBOX SUPPLIED BY AV CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR C/W SEPARATE NEUTRAL AND INSULATED ISOLATED GREEN GROUND WIRE, TECHNICAL POWER CONNECTION C/W WIRING AND CONDUIT TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR. REFER TO AV DOCUMENTS FOR DETAILS OF FLOOR BOX AND COORDINATE ALL WORK WITH AV CONTRACTOR. SEE NOTE #15.		JUNCTION BOX – 15A, 120V, UNLESS OTHERWISE NOTED
	DISCONNECT SWITCH		FUSIBLE DISCONNECT SWITCH		MAGNETIC STARTER BY MECHANICAL CONTRACTOR. CONNECTION BY ELECTRICAL CONTRACTOR.
	COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH BY MECHANICAL CONTRACTOR CONNECTION BY ELECTRICAL CONTRACTOR (STARTER CAN BE REPLACED BY THERMOSTATS WHEN CONTROLLING EXHAUST FANS, REFER TO MECH. DRAWINGS FOR LOCATIONS)		VSD BY MECHANICAL CONTRACTOR. CONNECTION BY ELECTRICAL CONTRACTOR.		COMBINATION VSD AND DISCONNECT SWITCH BY MECHANICAL CONTRACTOR CONNECTION BY ELECTRICAL CONTRACTOR
<b>POWER DISTRIBUTION</b>					
	SURFACE MOUNTED/RECESSED PANELBOARD.		FLOOR/CEILING MOUNTED DISTRIBUTION TRANSFORMER, REFER TO DISTRIBUTION RISER BLOCK DIAGRAM FOR KVA RATING, OR AS NOTED. ALL TRANSFORMERS SHALL BE K-RATED AS INDICATED IN SPECIFICATIONS, UNLESS NOTED AS HARMONIC MITIGATING IN THE RISER DIAGRAM AND DESCRIBED IN SPECIFICATIONS.		
<b>STAGE POWER AND DISTRIBUTION EQUIPMENT LEGEND</b> (ALL EQUIPMENT LISTED BELOW SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AS INDICATED IN ELECTRICAL/THEATRICAL-DIV. 26 DRAWINGS AND SPECIFICATIONS)					
	100A, 208/120V, 3PH, 5W COMPANY SWITCH WITH CAM LOCK RECEPTACLES AND CONNECTION CHAMBER FOR CABLE TIE-IN TO BE UNION CONNECTOR #CSC-1010-SC/SP OR LEX PRODUCTS #CS-100F-C3DS1 REFER TO DETAIL 1/E-402		200A, 208/120V, 3PH, 5W COMPANY SWITCH WITH CAM LOCK RECEPTACLES AND CONNECTION CHAMBER FOR CABLE TIE-IN TO BE UNION CONNECTOR #CSC-2010-SC/SP OR LEX PRODUCTS #CS-200F-C5DS1. REFER TO DETAIL 1/E-402		400A, 208/120V, 3PH, 6W COMPANY SWITCH WITH CAM LOCK RECEPTACLES AND CONNECTION CHAMBER FOR CABLE TIE-IN TO BE UNION CONNECTOR #CSC-4020-SC/SP OR LEX PRODUCTS #CS-400F-C6DS1. REFER TO DETAIL 2/E-402
	208/120V, 3PH, 4W FUSED DISCONNECT SWITCH FEEDING MOTORIZED RIGGING & LIFTS.		480/277V, 3PH, 4W FUSED DISCONNECT SWITCH FEEDING MOTORIZED RIGGING & LIFTS.		100A, 208/120V, 3PH, 4W AC PANEL BOARD WITH SPACE FOR 42 POLES C/W A SPECIAL OUTLET BOX C/W (8) 5-20RA, (4) L5-20R AND (4) L6-20R RECEPTACLES. SEE DETAIL 3/E-402.
	225A, 208/120V, 3PH, 4W AC PANEL BOARD WITH SPACE FOR 42 POLES		100A, 208/120V, 3PH, 4W AC PANEL BOARD WITH SPACE FOR 42 POLES		20A, 3PH, 4W, 120/208V LIGHTING CONTROL BOOTH EQUIPMENT RACK
	600A, 3PH, 5W, 208/120V STAGE LIGHTING DIMMER RACK.		EMERGENCY LIGHTING TRANSFER CABINET		100A/225A, 3PH, 5W, HOUSE LIGHTING DIMMER RACK
	100A, 208/120V, 3PH, 6W AV TECHNICAL POWER COMPANY SWITCH TO BE UNION CONNECTOR #56-CSC-1010-C/SP-MOD-IG OR LEX PRODUCTS APPROVED EQUAL. SEE DETAIL 7/E402.		60A, 208/120V, 3PH, 6W AV TECHNICAL POWER COMPANY SWITCH TO BE UNION CONNECTOR #56-CSC-0610-1/SP-MOD-IG OR LEX PRODUCTS APPROVED EQUAL. SEE DETAIL 7/E402.		
<b>COMMUNICATIONS</b>					
	WALL MOUNTED VOICE/DATA OUTLET BACK BOX C/W 27mm EMPTY CONDUIT BACK TO IT CLOSET/LAN ROOM AS SHOWN IN DETAILS 6/E-403 AND RISER DIAGRAM 2/E-504. REFER TO COMMUNICATION DOCUMENTS FOR OUTLETS ZONING AND CORRESPONDING IT ROOM FOR EACH OUTLET.		WALL MOUNTED DATA OUTLET BACK BOX C/W 27mm EMPTY CONDUIT BACK TO IT CLOSET/LAN ROOM AS SHOWN IN DETAILS 6/E-403 AND RISER DIAGRAM 2/E-504. REFER TO COMMUNICATION DOCUMENTS FOR OUTLETS ZONING AND CORRESPONDING IT ROOM FOR EACH OUTLET.		WALL MOUNTED VOICE OUTLET BACK BOX C/W 27mm EMPTY CONDUIT BACK TO IT CLOSET/LAN ROOM AS SHOWN IN DETAILS 6/E-403 AND RISER DIAGRAM 2/E-504. REFER TO COMMUNICATION DOCUMENTS FOR OUTLETS ZONING AND CORRESPONDING IT ROOM FOR EACH OUTLET.
	CEILING OR WALL MOUNTED WIRELESS ACCESS POINT OUTLET BACK BOX C/W 27mm EMPTY CONDUIT BACK TO IT CLOSET/LAN ROOM AS SHOWN IN RISER DIAGRAM 2/E-504. REFER TO COMMUNICATION DOCUMENTS FOR OUTLETS ZONING AND CORRESPONDING IT ROOM FOR EACH OUTLET.		WALL MOUNTED CATV OUTLET BACK BOX C/W 27mm EMPTY CONDUIT BACK TO IT ROOM B226.		COMBINATION VOICE/DATA CONNECTION TO FLOOR BOX SUPPLIED BY AV CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR C/W 27mm EMPTY CONDUIT BACK TO IT CLOSET/LAN ROOM AS SHOWN IN RISER DIAGRAM 2/E-504. REFER TO COMMUNICATION DOCUMENTS FOR OUTLETS ZONING AND CORRESPONDING IT ROOM FOR EACH OUTLET. REFER TO AV DOCUMENTS FOR DETAILS OF FLOORBOX AND COORDINATE ALL WORK WITH AV CONTRACTOR
	COMBINATION BROCK UNIVERSITY VOICE/DATA CONNECTION TO FLOOR BOX SUPPLIED BY AV CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR C/W 27mm EMPTY CONDUIT BACK TO BROCK UNIVERSITY RACK IN IT 027 AS SHOWN IN RISER DIAGRAM 2/E-504. REFER TO COMMUNICATION DOCUMENTS FOR OUTLETS ZONING AND CORRESPONDING IT ROOM FOR EACH OUTLET. REFER TO AV DOCUMENTS FOR DETAILS OF FLOORBOX AND COORDINATE ALL WORK WITH AV CONTRACTOR		CEILING MOUNTED BROCK UNIVERSITY WIRELESS ACCESS POINT OUTLET BACK BOX C/W 27mm EMPTY CONDUIT BACK TO BROCK UNIVERSITY RACK IN IT 027 AS SHOWN IN RISER DIAGRAM 2/E-504.		
<b>MISCELLANEOUS</b>					
	CABLE TRAY, SIZE AS NOTED ON DRAWINGS.		ONE-PIECE TWO SECTIONS (TWO COMPARTMENTS) SURFACE METAL RACEWAY C/W BASE, COVER, END PLATES, POWER/COMMUNICATIONS DIVIDER, POWER AND COMMUNICATIONS OUTLETS AS INDICATED ON THE DRAWINGS AND ALL NECESSARY COMPONENTS AND ACCESSORIES REQUIRED FOR A COMPLETE SYSTEM. REFER TO DETAIL 12/E-401. PROVIDE WIREMOLD 4000 SERIES OR HUBBELL APPROVED EQUAL. FINISH TO BE SELECTED DURING SHOP DRAWING SUBMISSION.		PUSHBUTTON BACKBOX FOR POWER DOOR OPERATOR (PROVIDED BY OTHERS;ROUGH-IN AND INSTALLED BY ELECTRICAL CONTRACTOR)
<b>SECURITY – REFER TO SECURITY DRAWINGS FOR ALL ELECTRICAL PROVISIONS REQUIRED FOR THE SECURITY SYSTEM (CONDUITS, BACKBOXES, ETC.) NOT INCLUDED IN ELECTRICAL DRAWINGS</b>					
PROVIDE EMPTY CONDUITS AND BACK BOXES C/W PULL STRINGS AS INDICATED ON SECURITY DRAWINGS.					
<b>AV DEVICES – REFER TO AV DWGS FOR ALL ELECTRICAL PROVISIONS REQUIRED FOR THE AV SYSTEM (CONDUITS, BACKBOXES, ETC.) NOT INCLUDED IN ELECTRICAL DRAWINGS</b>					
SEE GENERAL NOTE#17 FOR ELECTRICAL CONTRACTOR SCOPE OF WORK					
	AV FLOOR BOX C/W 20A DIRECT CONNECTION AND VOICE/DATA CONNECTIONS (WHERE SHOWN) AS INDICATED ABOVE. FLOOR BOX SHALL BE SUPPLIED BY AV CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. REFER TO AV DOCUMENTS FOR DETAILS OF BOX AND INSTALL AS PER DETAILS SUPPLIED BY AV CONTRACTOR.				
<b>ADDITIONAL NOMENCLATURE AND ABBREVIATIONS</b>					
	JUNCTION BOX		ABOVE FINISHED FLOOR		WEATHERPROOF
	CONDUIT		EMPTY CONDUIT		TWIST LOCK