

A	AMPERE	MC	MICROPHONE
AC	ALTERNATING CURRENT	MICRO	MICROWAVE
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUG ONLY
AFG	ABOVE FINISHED GRADE	MT	MOUNT
AHU	AIR HANDLING UNIT	MTS	MANUAL TRANSFER SWITCH
AIC	AMPERES INTERRUPTING CAPACITY	MCP	MOTOR CONTROL PANEL
ATS	AUTOMATIC TRANSFER SWITCH	MH	METAL HALIDE
AWG	AMERICAN WIRE GAUGE	MDP	MAIN DISTRIBUTION PANEL
BAS	BUILDING AUTOMATION SYSTEM	MIN	MINIMUM
BKBD	BACKBOARD	NC	NORMALLY CLOSED
C	CONDUIT	NEC	NATIONAL ELECTRICAL CODE
CAT	CATALOG, CATEGORY	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CATV	CABLE TV	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CCTV	CLOSED CIRCUIT TELEVISION	NF	NON-FUSED
CM	CIRCULAR MILS	NO	NORMALLY OPEN
COMM	COMMUNICATIONS	NO., #	NUMBER
CU	MECH CONDENSING UNIT	NTS	NOT TO SCALE
CU	COPPER	OC	ON CENTER
CUH	CABINET UNIT HEATER	OCC	OCCUPANCY
DC	DIRECT CURRENT	OH	OVERHEAD
DDC	DIGITAL DIRECT CONTROL	P	POLE
DN	DOWN	PA	PUBLIC ADDRESS
DW	DISHWASHER	PH	PHASE
DWG	DRAWING	PIR	PASSIVE INFRARED
EF	EXHAUST FAN	PNL	PANELBOARD
ELEV	ELEVATOR	P/O	PART OF
EMT	ELECTRICAL METALLIC TUBING	PV	PHOTOVOLTAIC
EP	EXPLOSION PROOF	PVC	POLY-VINYL CHLORIDE
ERU	ENERGY RECOVERY UNIT	REC	RECEPTACLE
EWC	ELECTRIC WATER COOLER	REF	REFRIGERATOR
FACP	FIRE ALARM CONTROL PANEL	REF RECEPT	
FB	FLOOR BOX	RF	RETURN FAN
FLA	FULL LOAD AMPS	RGS	RIGID GALVANIZED STEEL
FWE	FURNISHED WITH EQUIPMENT	RM	ROOM
G, GND	GROUND	RMC	RIGID METAL CONDUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RTU	ROOFTOP UNIT
GFP	GROUND FAULT PROTECTION	REF	REFRIGERATOR
HID	HIGH INTENSITY DISCHARGE	SF	SUPPLY FAN
HOA	HAND-OFF-AUTO SELECTOR SWITCH	SPDT	SINGLE POLE, DOUBLE THROW
HP	HORSEPOWER	SQ	SQUARE
HVAC	HEATING, VENTILATION AND COOLING UNIT	TEL	TELEPHONE
IDS	INTRUSION DETECTION SYSTEM	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
IG	ISOLATED GROUND	TYP	TYPICAL
IMC	INTERMEDIATE METAL CONDUIT	UF	UNDER FLOOR
IR	INFRARED	UG	UNDERGROUND
K	KILO	UH	UNIT HEATER
KCMIL	KILO CIRCULAR MILS	UL	UNDERWRITER'S LABORATORY
KW	KILOWATT	UNO	UNLESS NOTED OTHERWISE
KVA	KILO VOLT-AMPS	UPS	UNINTERRUPTIBLE POWER SUPPLY
LAN	LOCAL AREA NETWORK	V	VOLTS
LC	LIGHTING CONTACTOR	VFD	VARIABLE FREQUENCY DRIVE
LF	LINEAR FEET	W	WATT
LC	LOADCENTER	WP	WEATHERPROOF
LCP	LIGHTING CONTROL PANEL	WG	WIREGUARD
LED	LIGHT EMITTING DIODE	XFMR	TRANSFORMER
LTG	LIGHTING	(E)	EXISTING ITEM TO REMAIN
LTS	LIGHTS	(R)	REMOVE ITEM AND DISPOSE OF PROPERLY
MAX	MAXIMUM	(ER)	RELOCATED ITEM AT NEW LOCATION
MCB	MAIN CIRCUIT BREAKER	(RL)	REMOVE AND RELOCATE
MECH	MECHANICAL		
MH	MOUNTING HEIGHT		

2x2 RECESSED LIGHT FIXTURE - LITHONIA CAT. NO. 2VTL2-20L-ADP-EZ1-LP835.

SURFACE MOUNTED STRIP LIGHT - LITHONIA CAT. NO. ZL1N-L24-1500LM-L-MVOLT-35K-80CRI. MOUNT FIXTURE ON WALL ABOVE DOOR.

LINEAR LIGHT FIXTURE, PENDANT MOUNTED

LINEAR LIGHT FIXTURE, WALL MOUNTED

REMOTE BALLAST, ALLOW 9" IN ALL DIRECTIONS BETWEEN BALLASTS

**TYPICAL FOR ALL FIXTURE TYPES:**  
INDICATES LUMINAIRE TYPE ON SCHEDULE

LOWER CASE LETTER INDICATES SWITCHING

INDICATES CIRCUIT NUMBER

F3	LUMINAIRES
NO SCALE	

HATCHING INDICATES FIXTURE WITH INTEGRAL 700 LUMEN BATTERY DRIVER.

EMER BATTERY UNIT WITH NO HEADS, MT 7'-6" AFF  
BP# INDICATES BATTERY UNIT DESIGNATION CONNECT TO UNSWITCHED PORTION OF AREA LIGHTING BRANCH CIRCUIT, U.N.O.

EMER BATTERY UNIT WITH INTEGRAL HEADS, MT 7'-6" AFF  
BP# INDICATES BATTERY UNIT DESIGNATION CONNECT TO UNSWITCHED PORTION OF AREA LIGHTING BRANCH CIRCUIT, U.N.O.

SINGLE REMOTE EMERGENCY LIGHT HEAD, MOUNT 7'-6" AFF  
BP# INDICATES BATTERY UNIT CONNECTED TO

DOUBLE REMOTE EMERGENCY LIGHT HEAD, MOUNT 7'-6" AFF  
BP# INDICATES BATTERY UNIT CONNECTED TO

EXIT SIGN SHALL BE LITHONIA CAT. NO. LQM-S-W-3-R-120/277-ELN. PROVIDE WALL, CEILING, OR PENDANT MOUNTING AS INDICATED ON PLANS. PROVIDE NUMBER OF FACES AND ARROWS AS INDICATED.

ARROWHEAD INDICATES CHEVRON(S) REQUIRED CONNECT TO UNSWITCHED PORTION OF AREA LIGHTING BRANCH CIRCUIT, U.N.O.

F5	EMERGENCY LUMINAIRES
NO SCALE	

F3	LUMINAIRES
NO SCALE	

DUPLX RECEPTACLE ~ 20A, 125V, 2P, 3W, NEMA 5-20R

DOUBLE DUPLX RECEPTACLE

DUPLX RECEPTACLE, HATCH INDICATES CONNECTION TO XXX

GFCI DUPLX RECEPTACLE, MOUNT 44" AFF UNO

GFCI DOUBLE DUPLX RECEPTACLE, MOUNT 44" AFF UNO

GFCI RECEPTACLE WITH WEATHERPROOF COVER

GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF

MULTI-OUTLET STRIP, PROVIDE OUTLETS 24" OC UNO, MOUNT 48" AFF UNO

**NOTES:**

- MOUNT RECEPTACLES WITH CENTERLINE 18" AFF UNO
- MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24" AFF UNO

C5	RECEPTACLES
NO SCALE	

**NOTE**

SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT NECESSARILY INDICATE THEIR INCORPORATION INTO THE DESIGN

CARD ACCESS ~ COORDINATE INSTALLATION WITH OTHER DIVISIONS

TELEPHONE WALL OUTLET, 44" AFF UNO

TELEPHONE OUTLET, 18" AFF UNO

TEL/DATA OUTLET, 18" AFF UNO

DATA OUTLET, 18" AFF UNO

CATV OUTLET, 54" AFF UNO

**TECHNOLOGY GENERAL NOTES**

- PROVIDE BOXES AND CONDUITS WITH PULL STRINGS AS INDICATED. CABLING AND TERMINATIONS SHALL BE BY OWNER.
- FOR EACH TECHNOLOGY OUTLET, PROVIDE A 2-GANG BOX WITH 1-GANG ADAPTER. PROVIDE A 1" CONDUIT FROM EACH OUTLET BOX TO 6" ABOVE THE NEAREST ACCESSIBLE CEILING THAT IS CONTIGUOUS TO A J-HOOK OR CABLE TRAY PATHWAY.

A3	GENERAL NOTES
NO SCALE	

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A5	TECHNOLOGY
NO SCALE	

FIRE ALARM CONTROL PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF

FIRE ALARM ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF

SMOKE DETECTOR

SMOKE DETECTOR, "E" INDICATES CONNECTION FOR ELEVATOR RECALL

SINGLE STATION SMOKE DETECTOR WITH AUDIBLE INDICATING APPLIANCE, MOUNT ON WALL

SINGLE STATION SMOKE DETECTOR WITH AUDIBLE/VISUAL INDICATING APPLIANCE

SINGLE STATION COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR WITH **AUDIBLE ONLY** INDICATING APPLIANCE

HEAT DETECTOR

HEAT DETECTOR, "E" INDICATES CONNECTION FOR ELEVATOR RECALL

DUCT SMOKE DETECTOR

GAS VALVE

FLAME DETECTOR, ARROW INDICATES DIRECTION OF COVERAGE

REMOTE TEST/INDICATOR FOR DUCT SMOKES, MOUNT ON CEILING BENEATH UNIT, OR WALL MOUNT WHERE INDICATED ON PLANS

MANUAL PULL STATION, MOUNT 48" AFF

HORN/STROBE NOTIFICATION APPLIANCE, CANDELA AS NOTED ON PLANS

SPEAKER/STROBE NOTIFICATION APPLIANCE, CANDELA AS NOTED ON PLANS

STROBE ONLY NOTIFICATION APPLIANCE, CANDELA AS NOTED ON PLANS

STROBE NOTIFICATION APPLIANCE, 15 CANDELA, 120V, CONNECT TO OPERATE UPON ACTIVATION OF ROOM SMOKE DETECTOR

MINI HORN NOTIFICATION APPLIANCE

HORN/STROBE WITH PULL STATION DIRECTLY BELOW

MAGNETIC DOOR HOLD OPEN DEVICE

TRANSFORMER

SPRINKLER SYSTEM WATER FLOW SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26

SPRINKLER SYSTEM TAMPER SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26

SPRINKLER SYSTEM CHECK VALVE PRESSURE SWITCH, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26

SPRINKLER SYSTEM EXCESS PRESSURE PUMP, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26

KNOX BOX, PROVIDE IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT REQUIREMENTS

SMOKE DAMPER

FIRE AND SMOKE DAMPER

D7	FIRE ALARM SYSTEM
NO SCALE	

LIGHT SWITCH, 20A, 125/277V

THREE-WAY LIGHT SWITCH

FOUR-WAY LIGHT SWITCH

TWO-POLE SWITCH

KEY OPERATED SWITCH

MOTOR RATED SWITCH

SINGLE POLE SWITCH WITH RED PILOT LIGHT ~ RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED

MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING

OCCUPANCY SENSOR SWITCH, WALL MOUNTED

2-BUTTON OCCUPANCY SENSOR SWITCH

OCCUPANCY SENSOR, CEILING MOUNTED

OCCUPANCY SENSOR, WALL MOUNTED

DIMMER SWITCH - COORDINATE DIMMING TECHNOLOGY WITH LOAD TO BE DIMMED

3-WAY DIMMER SWITCH ~ COORDINATE DIMMING TECHNOLOGY WITH LOAD TO BE DIMMED

HANDICAP SWITCHES FOR HOOD LIGHT AND FAN

TIMER SWITCH, 60 MINUTES

LOW VOLTAGE LIGHT SWITCH, MOMENTARY CONTACT

LIGHTING TIME CLOCK

LIGHTING CONTACTOR

LIGHTING CONTROL PANEL

PHOTOCCELL

**NOTES:**

- MOUNT LIGHT SWITCHES WITH CENTERLINE 48" AFF, UNO
- LOWER CASE LETTER AT SWITCH INDICATES SWITCHING

A7	LIGHT SWITCHES
NO SCALE	

PANELBOARD ~ SURFACE MOUNTED

PANELBOARD ~ FLUSH MOUNTED

FUSED DISCONNECT SWITCH

NON-FUSED DISCONNECT SWITCH

MOTOR STARTER ~ NUMBER INDICATES NEMA SIZE

COMBINATION MOTOR STARTER/FUSED DISCONNECT

MOTOR OR FAN

METER AND CABINET

JUNCTION BOX ~ CEILING MOUNTED

JUNCTION BOX ~ WALL MOUNTED

JUNCTION BOX ~ FLOOR MOUNTED

JUNCTION BOX ~ PEDESTAL MOUNTED

TRANSFORMER ~ NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE

VARIABLE FREQUENCY DRIVE

TRANSIENT VOLTAGE SURGE SUPPRESSOR

EMERGENCY SHUTOFF SWITCH ~ WALL MOUNTED 48" TO CENTERLINE ~ PROVIDE TAMPER-PROOF COVER

CONDUIT TURNING UP

CONDUIT TURNING DOWN

WIRING UNDERGROUND OR UNDERSLAB

HOMERUN ~ (2)#12+(1)#12G UNO (EXCEPT LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)

SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT

3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT

FLEXIBLE CONNECTION

GROUNDING SYSTEM

POWER POLE

PUSHBUTTON

DOORBELL CHIME

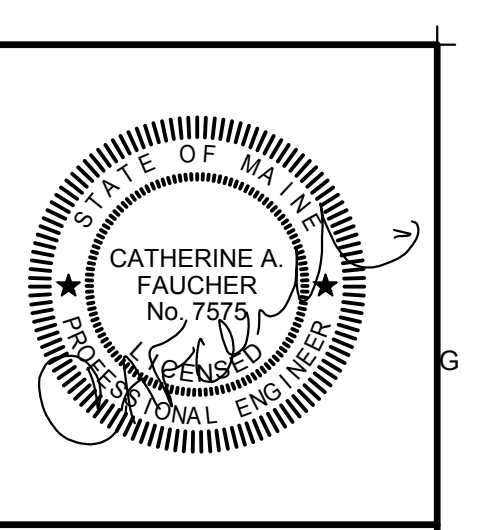
SYSTEMS FURNITURE WHIP

MOTORIZED DOOR OPERATOR AND PUSH PADDLE ~ FURNISHED BY DIVISION 08, WIRED BY DIVISION 26

D9	POWER DISTRIBUTION
NO SCALE	

- REFER TO FLOOR PLANS FOR SCOPE OF WORK AREA. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR THE ADDITIONAL REMOVALS SCOPE OF WORK.
- UNLESS NOTED OR INDICATED OTHERWISE DEVICES WITHIN REMOVALS AREA ARE TO BE EXISTING TO REMAIN. REMOVALS SHALL INCLUDE BUT NOT BE LIMITED TO WIRING DEVICES, OUTLET BOXES, PULL BOXES, LIGHTING FIXTURES AND SWITCHES, WIRING AND CONDUIT, ETC.
- IN GENERAL, EXISTING ITEMS ARE NOT INDICATED ON THE DRAWINGS. THE DRAWINGS ARE NOT INTENDED TO INDICATE ALL ITEMS TO BE REMOVED.
- DISCONNECT AND REMOVE ALL WIRING FOR EQUIPMENT TO BE REMOVED BACK TO THE POINT OF CONNECTION. NOTHING SHALL BE ABANDONED IN PLACE.
- VERIFY ALL EXISTING SOURCES OF POWER TO EQUIPMENT PRIOR TO FINAL REMOVAL.
- COORDINATE ALL SHUTDOWN PROCEDURES WITH THE OWNER PRIOR TO DISCONNECTING ANY CIRCUITS.
- PROVIDE BLANK COVER PLATES FOR REMOVED POWER AND COMMUNICATIONS OUTLETS IN EXISTING WALLS TO REMAIN.
- WHERE REMOVALS IMPACTS WIRING TO EXISTING ITEMS TO REMAIN, PROVIDE WIRING AND CONNECTIONS AS REQUIRED TO RE-FEED ITEMS TO REMAIN.
- THE WORK INCLUDES DISPOSAL OF ALL REMOVED ELECTRICAL ITEMS INCLUDING BALLASTS AND LAMPS. LEGALLY DISPOSE OF ALL HAZARDOUS MATERIALS.
- NO WIRING THAT BECOMES UNUSED AS A RESULT OF THIS PROJECT SHALL BE ABANDONED IN PLACE.

A9	ELECTRICAL REMOVALS NOTES
NO SCALE	



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ELECTRICAL LEGEND, NOTES, ABBREVIATIONS, & DETAILS

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