


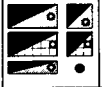


INTERIOR/EXTERIOR LIGHTING LUMINAIRE SCHEDULE							
TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA		LED DIRECT/INDIRECT FIXTURE	LITHONIA 2BLT4-30L-ADP-MVOLT-EZI-LP835 -XX OR APPROVED EQUAL BY HUBBELL OR LEGION LIGHTING	120/277 VOLT 0-10V DIM MIN 3000 LUMEN	LED 3500K CRI 405	RECESSED LAY-IN/ SAT	- - -
XA		SINGLE FACE EXIT SIGN WITH 6" GREEN LETTERS CAST ALUMINUM BODY, 90 MINUTE NI-CAD BATTERY BACK UP	LITHONIA LGC W1 G EL N OR APPROVED EQUAL BY DUAL-LITE OR LEGION LIGHTING	120/277 VOLT	LED -	CEILING/ WALL	-FURNISH WITH ARROWS AS REQ'D BY CODE -PROVIDE WIRE GUARD WHERE INDICATED ON PLANS
XB		DOUBLE FACE EXIT SIGN WITH 6" GREEN LETTERS CAST ALUMINUM BODY, 90 MINUTE NI-CAD BATTERY BACK UP	LITHONIA LGC-W-2-G-EL-N (ELA WGEN) OR APPROVED EQUAL BY DUAL-LITE OR LEGION LIGHTING	120/277 VOLT	LED -	CEILING/ WALL	-FURNISH WITH ARROWS AS REQ'D BY CODE -PROVIDE WIRE GUARD WHERE INDICATED ON PLANS
EN NL		FIXTURE ON EMERGENCY NIGHT LIGHT CIRCUIT WITH EMERGENCY GENERATOR BACKUP	-	120/277 VOLT	-	-	- - -

ELECTRICAL ABBREVIATIONS

NOTE:
ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED
BELOW. REFER TO CSI SECTION 01420 FOR ANY ABBREVIATIONS
LISTED ON THE DRAWINGS BUT ARE NOT LISTED BELOW.

A	AMPS	KVA	KILOVOLT AMPERE
AC	AIR CONDITIONING	KW	KILOWATTS
AFB	ABOVE FINISH FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISH GRADE	MTD	MOUNTED
BRKR	BREAKER	NE	NEW LOCATION OF EXISTING RELOCATED DEVICE
C	CONDUIT	NIC	NOT IN CONTRACT
CH	CABINET HEATER	NL	NIGHTLIGHT
CKT	CIRCUIT	NTS	NOT TO SCALE
DISTR	DISTRIBUTION	O/C	ON CENTER
EF	EXHAUST FAN	P	POLE
ELEC	ELECTRICAL	PNL	PANEL
EM	EMERGENCY	PH	PHASE
EMT	ELECTRICAL METALLIC TUBING	RR	REMOVE AND RELOCATED EXISTING DEVICE
ER	EXISTING DEVICE TO BE REMOVED	SW	SWITCH
EX	EXISTING DEVICE TO REMAIN	TYP	TYPICAL
F	FUSE	UN	UNLESS OTHERWISE NOTED
FS	FUSIBLE SWITCH	V	VOLTS
G	GROUND	VIF	VERIFY IN FIELD
GFI	GROUND FAULT INTERRUPTING PROTECTION	W	WATTS
GRC	GALVANIZED RIGID CONDUIT	WP	WEATHERPROOF TYPE DEVICE
HP	HORSEPOWER	WG	WIRE GUARD
J	JUNCTION BOX	FI	FURNISH AND INSTALL

PUMP EQUIPMENT CONNECTION SCHEDULE

TAG	DESCRIPTION	LOAD WATTS	HP	MOCP	VOLT	PHASE	PANEL	CKT NO	FUSED SWITCH C/B	FEEDER		STARTED BY		LOCATION	REMARKS
										CABLE	C	MC	EC		
BP-1	BOILER PUMP	2491	15	-	480	3	EX. IHI	EX. IHI	15A/3P	4 #2 4 #12 GRD	3/4"	-	-	-	-
BP-2	BOILER PUMP	2491	15	-	480	3	EX. IHI	EX. IHI	15A/3P	4 #2 4 #12 GRD	3/4"	-	-	-	-
HWP-1	HOT WATER PUMP	6311	5.0	-	480	3	EX. FNL	EX. FNL	15A/3P	4 #2 4 #12 GRD	3/4"	-	-	-	-
HWP-2	HOT WATER PUMP	6311	5.0	-	480	3	EX. FNL	EX. FNL	15A/3P	4 #2 4 #12 GRD	3/4"	-	-	-	-

SYMBOL LIST

* NOTE
FIRE ALARM DEVICES, MOUNTING HEIGHT, ETC. SHALL COMPLY WITH 'ADA' STANDARDS.

- ① FIRE ALARM SYSTEM HEAT DETECTOR - COMBINATION TYPE (R/R - FIXED TEMP.) IN BOILER ROOM
- ② FIRE ALARM SYSTEM SMOKE DETECTOR - CEILING MOUNTED - ABOVE FACP
- ③ FURNISH AND INSTALL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH POWER PACK, MANUFACTURERS: SENSORSWITCH CM-PDT-10-MP-20 (WITH MICROPHONICS) OR APPROVED EQUAL BY LEVITON OR HUBBELL CONTROLS.
- ⚡ GENERAL PURPOSE 1-POLE SWITCH - (TYPICAL - MOUNTED 42" AFF.) (HUBBELL #221 OR EQUAL)
- ⚡ GENERAL PURPOSE 3-WAY SWITCH MTD 42" AFF (HUBBELL #223 OR EQUAL)
- ⚡ GENERAL PURPOSE FOUR WAY SWITCH MTD 42" AFF (HUBBELL #224 OR EQUAL)
- ⚡ MANUAL STARTING SWITCH WITH THERMAL OVERLOAD PROTECTION
- ④ EXISTING CEILING SPEAKERS TO BE REMOVED AND RELOCATED
- ⚡ 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 18" AFF OR AS NOTED) (HUBBELL #5362 OR EQUAL)
- ⚡ 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 42" AFF OR 2' ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER) (HUBBELL #5362 OR EQUAL)
- ⚡ 120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH GFI PROTECTION - (MOUNTED 18" AFF OR AS NOTED) (HUBBELL #GF20 OR EQUAL)
- ⑤ JUNCTION BOX - SIZE AND TYPE AS REQUIRED
- FLEX CONDUIT CONNECTION
- JUNCTION BOX W/ FLEX CONDUIT CONNECTION
- ⚡ ELECTRIC MOTOR CONNECTION - PROVIDE LOCAL DISCONNECT SWITCH PER NATIONAL ELECTRIC CODE - CONNECT MISCELLANEOUS ACCESSORIES SUCH AS BACK DRAFT DAMPERS, ETC. COMPLETE AS REQUIRED
- () CONDUIT CONCEALED ABOVE CEILING OR IN WALL
- () CONDUIT CONCEALED IN OR BELOW FINISHED FLOOR
- () CONDUIT EXPOSED ON CEILING, WALL OR BAR JOIST - ROUTED IN NEAT MANNER
- ⓧ HEXAGON TAG REFERENCE TO EQUIPMENT CONNECTION SCHEDULE
- ① ELLIPSE TAG REFERENCE TO SHEET NOTES
- ⚡ TWO DEVICE MOUNTED UNDER COMMON COVER, WHERE LOW VOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, COMBINE CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW VOLTAGE CABLING.
- ELECTRIC PANELBOARDS.
- ⓧ DISCONNECT SWITCH SIZE AND TYPE AS REQUIRED - COORDINATE AMPERE RATING WITH EQUIPMENT SUPPLIER
- RR REMOVE EXISTING DEVICE AND PROVIDE NEW AS INDICATED IN EXISTING BACK BOX, JUNCTION BOX, ETC. VERIFY EXACT LOCATION AND CONDITIONS IN FIELD. MODIFY EXISTING BACK BOX, JUNCTION BOX, ETC. PROVIDE TRIM PLATES, EXTENSION RINGS, ETC. AS REQUIRED TO MOUNT NEW DEVICE AS INDICATED
- FI NEW DEVICE AS INDICATED
- EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO REMAIN.
- ER EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO BE REMOVED COMPLETE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED SURFACE MOUNTED CONDUIT, OUTLETS, ETC. AND BLANK-OFF FLUSH WITH NEW OR EXISTING CONSTRUCTION. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- RR REMOVE EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICES, ETC. AND RELOCATE TO NEW LOCATION COMPLETE AS REQUIRED
- NE NEW LOCATION OF EXISTING RELOCATED LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. EXTEND CONDUIT WIRE, CABLE, ETC. COMPLETE AS REQUIRED TO NEW LOCATION FOR A COMPLETE AND PROPER INSTALLATION.

DUNELAND SCHOOL CORPORATION
2017 MECHANICAL RENOVATIONS AT:
JACKSON ELEMENTARY SCHOOL
811 N. 400 E. VALPARAISO, IN. 46383



REVISIONS
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DATE FOR REV. 17-006
ELECTRICAL SCHEDULES

E2.00