










## ELECTRICAL SYMBOLS

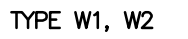
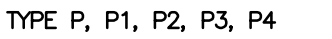
NOTE: ALL SYMBOLS MAY NOT BE USED

 	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED
	POLE MOUNTED LIGHT FIXTURE
	TRANSFORMER
	NOTE INDICATOR
	DETAIL INDICATOR
	PHOTOMETRIC LEVEL (foot candle)

1 APPROXIMATE LOCATION OF MAIN ELECTRICAL ROOM. REFER TO FLOOR PLANS FOR EXACT LOCATION.

2 INDICATES LOCATION OF NEW PAD MOUNTED TRANSFORMER ON NEW CONCRETE BASE.

3 INDICATES APPROXIMATE ROUTING OF SECONDARY DUCTBANK.



POLE LENGTH (M)	BASE BURIAL DEPTH (M)	REINF. ROD LENGTH (M)
3.0	1.50	H+1.35
5.8	2.15	H+2.00
7.0	2.15	H+2.00
7.5	2.15	H+2.00
8.7	2.45	H+2.30
9.0	2.45	H+2.30
10.5	2.80	H+2.45
12.0	2.75	H+2.60
13.6	2.90	H+2.75
15.1	3.05	H+2.90

POLE LENGTH (M)	BASE BURIAL DEPTH (M)	REINF. ROD LENGTH (M)
3.0	1.50	H+1.35
5.6	2.15	H+2.00
7.0	2.15	H+2.00
7.5	2.15	H+2.00
8.7	2.45	H+2.30
9.0	2.45	H+2.30
10.5	2.80	H+2.45
12.0	2.75	H+2.60
13.6	2.90	H+2.75
15.1	3.05	H+2.90

[illegible]

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.

The drawings show general arrangement of the building. For the building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.

The drawings do not indicate all offsets fitting and necessary details to be required.

Provide the same to meet the required conditions.

Drawings and specifications, etc., prepared or supplied by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.

Do not scale this drawing.

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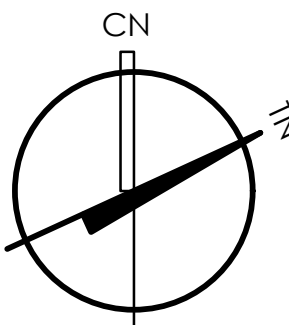
**CLIENT**

BLUEWATER  
DISTRICT SCHOOL BOARD

PROJECT  
22431

DUNDALK E.S. &amp; CHILDCAR

ORIGINAL PAGE SIZE: ARCH E1 - 30" x 42"



ELECTRICAL PHOTOMETRIC SITE PLAN

ESL



EXTERIOR LIGHT FIXTURE SCHEDULE

Item	Manufacturer/Catalog Number	Voltage	Lamp					Mounting	Listings	Description
			Type	Lumens	Colour Temperature	Wattage	CRI			
C	COOPER CAT. #LD8B103--ER8B1020830--8LBW1H INDY CAT. #LB--3LM--30K--347--G4--80CRI--GZ1--WPR--CSS--WET ELITE CAT. #HHB--LED--900L--DIM10--347--WD--30K--90 --HHB--8501--SHZ--SHZ INTENSE CAT. #GDB0RL130--D10134--VF--RD800C--SPW	347V	LED	1000	3000K	11W	80	RECESSED	WET LOC.	8" (200mm) LED CANOPY DOWNLIGHT FIXTURE, SELF-FLANGED, DAMP LOCATION LISTING C/W SPECULAR CLEAR FINISH AND WIDE BEAM REFLECTOR.
CA	COOPER CAT. #LD8B303--ER8B3040830--8LBM1H INDY CAT. #LB--3LM--30K--347--G4--80CRI --GZ1--P--CSS--WET ELITE CAT. #HHB--LED--3000L--DIM10--347--MD--30K--90 --HHB--8501--SHZ--SHZ INTENSE CAT. #GDB0RL530--D10134--WF--RD800C--SPW	347V	LED	3000	3000K	27.8W	80	RECESSED	WET LOC.	SAME AS TYPE 'C' WITH INCREASED LUMEN OUTPUT AND MEDIUM BEAM REFLECTOR.
F	PRUDENTIAL CAT. #P61--LED3--LO--4"--WA--XXX--D1--UNV--SUR--DM01 Pinnacle CAT. #EX3--WET--N--830--4--S--U--OL2--1--O--W--UNV--DP--1--SC BIRCHWOOD CAT. #VAN--LED--400--CLO--140--30--4--DR--DM--STND--SMT--FW--120--D1	120V	LED	1877	3000K	21W	80	SURFACE	WET LOC.	4" (1220mm) LONG LED LINER FIXTURE C/W FROSTED ACRYLIC LENS, SURFACE MOUNTING, AND WET LOCATION RATING.
P1	COOPER CAT. #GLEON--SA2C--730--9--T4FT--HSS SIGNIFY CAT. #P15--P--A06--730--T4S--AR1--347--HIS--XX LITHONIA CAT. #DSX1--LED--P3--30K--TFTM--347--HS POLE: VALMONT CAT. #S180040406YH--D1--DOB--313	347V	LED	1328	3000K	13W	80	POLE	WET LOC.	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE '4' FORWARD THROW DISTRIBUTION OPTICS, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), 800mA DRIVER, AND 18" (5.5m) X 4" (100mm) SQUARE ALUMINUM POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.  NOTES: FIXTURE MUST OPERATE ON 347V. POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.
P2	COOPER CAT. #GLEON--SA3C--730--9--T4FT--HSS SIGNIFY CAT. #P26--80L--WW--G2--AR--4--347--HIS--XX LITHONIA CAT. #DSX1--LED--P7--30K--TFTM--347--HS POLE: VALMONT CAT. #S160040406YH--D1--DOB--313	347V	LED	19783	3000K	168W	80	POLE	WET LOC.	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE '4' FORWARD THROW DISTRIBUTION OPTICS, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), 800mA DRIVER, AND 18" (5.5m) X 4" (100mm) SQUARE ALUMINUM POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.  NOTES: FIXTURE MUST OPERATE ON 347V. POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.
P3	COOPER CAT. #GLEON--SA2C--730--9--T4W--HSS SIGNIFY CAT. #P15--P--A06--730--T4S--AR1--347--HIS--XX LITHONIA CAT. #DSX1--LED--P3--30K--T4M--347--HS POLE: VALMONT CAT. #S160040406YH--D1--DOB--313	347V	LED	11582	3000K	113W	80	POLE	WET LOC.	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE '4' WIDE DISTRIBUTION OPTICS, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), 800mA DRIVER, AND 18" (6.5m) X 4" (100mm) SQUARE ALUMINUM POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.  NOTES: FIXTURE MUST OPERATE ON 347V. POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.
P4	COOPER CAT. #GLEON--SA1A--730--9--T2 SIGNIFY CAT. #P15--P--A02--730--T2M--AR1--347--XX LITHONIA CAT. #DSX0--LED--P1--30K--T2S--347 POLE: VALMONT CAT. #S100040404YH--D1--DOB--313	347V	LED	4359	3000K	34W	80	POLE	WET LOC.	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE '2' DISTRIBUTION OPTICS, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), 800mA DRIVER, AND 10" (3m) X 4" (100mm) SQUARE ALUMINUM POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.  NOTES: FIXTURE MUST OPERATE ON 347V. POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.
P5	COOPER CAT. #GLEON--SA2C--730--9--T4W--HSS SIGNIFY CAT. #P15--P--A06--730--T4S--AR1--347--HIS--XX LITHONIA CAT. #DSX1--LED--P3--30K--T4M--347--HS POLE: VALMONT CAT. #S160040406YH--D2--DOB--313	347V	LED	2--13088	3000K	2--113W	80	POLE	WET LOC.	TWIN HEAD POLE MOUNTED DECORATIVE FIXTURE C/W CAST ALUMINUM HOUSING, TYPE 4 WIDE DISTRIBUTION, HOUSE-SIDE SHIELD, AND 4" (100mm) STRAIGHT SQUARE 18" (5.5m) TALL POLE C/W DECORATIVE BASE COVER. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT.
W1	COOPER CAT. #ISC--SA1B--730--U--SL2--XX LITHONIA CAT. #WSRLED--P2--30K--SR2--MVOLT--XXXXX GAROCO CAT. #104L--16L--530--WW--G1--2--UNV--XX	120V	LED	3451	3000K	25.4W	80	WALL	WET LOC.	WALL MOUNTED SCONCE FIXTURE C/W CAST ALUMINUM HOUSING, TYPE 2 DISTRIBUTION C/W BACK LIGHT CONTROL AND TOOLLESS ENTRY TO HINGED LENS ASSEMBLY MOUNTED PER ARCHITECTURAL DRAWINGS. FIXTURES SHALL HAVE CUSTOM FINISH TO SUIT ARCHITECT.
W2	COOPER CAT. #ISC--SA1B--730--U--T4FT--XX LITHONIA CAT. #WSRLED--P2--30K--SR4--MVOLT--XXXXX GAROCO CAT. #104L--16L--530--WW--G1--4--UNV--XX	120V	LED	3436	3000K	25.4W	80	WALL	WET LOC.	WALL MOUNTED SCONCE FIXTURE C/W CAST ALUMINUM HOUSING, TYPE 4 FORWARD THROW DISTRIBUTION C/W BACK LIGHT CONTROL AND TOOLLESS ENTRY TO HINGED LENS ASSEMBLY MOUNTED PER ARCHITECTURAL DRAWINGS. FIXTURES SHALL HAVE CUSTOM FINISH TO SUIT ARCHITECT.
NOTES: 1 LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT. 2 EQUAL MANUFACTURERS FOR THIS FIXTURE MUST CONTACT THE CONSULTANTS OFFICE A MINIMUM OF 10 CALENDAR DAYS PRIOR TO TENDER CLOSE TO OBTAIN AN ELECTRONIC VERSION OF THE SITE PLAN. THEY MUST THEN PROVIDE PHOTOMETRIC ANALYSIS FOR THE EXTERIOR FIXTURE LAYOUT INDICATED USING THEIR PROPOSED FIXTURE. 3 ALL FIXTURES OPERATING ON 347 VOLTS MUST BE PROVIDED WITH AN INTEGRAL DISCONNECTING MEANS CONFORMING TO RULE #30--30B(4) OF THE ELECTRICAL SAFETY CODE IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THESE TO THE ELECTRICAL CONSULTANT'S ATTENTION PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT TIME OF SHOP DRAWING REVIEW.										

REVISIONS

NO.	DATE	PARTICULAR
01	25.02.03	ISSUED FOR COORDINATION
02	25.02.07	ISSUED FOR SPA
03	25.07.11	ISSUED FOR SPA

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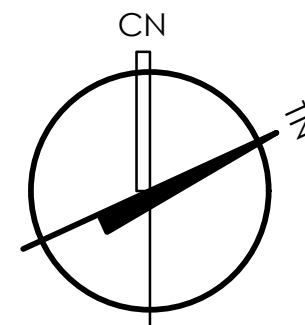
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ESL2

SCALE: AS SHOWN

LIGHT FIXTURE SCHEDULE