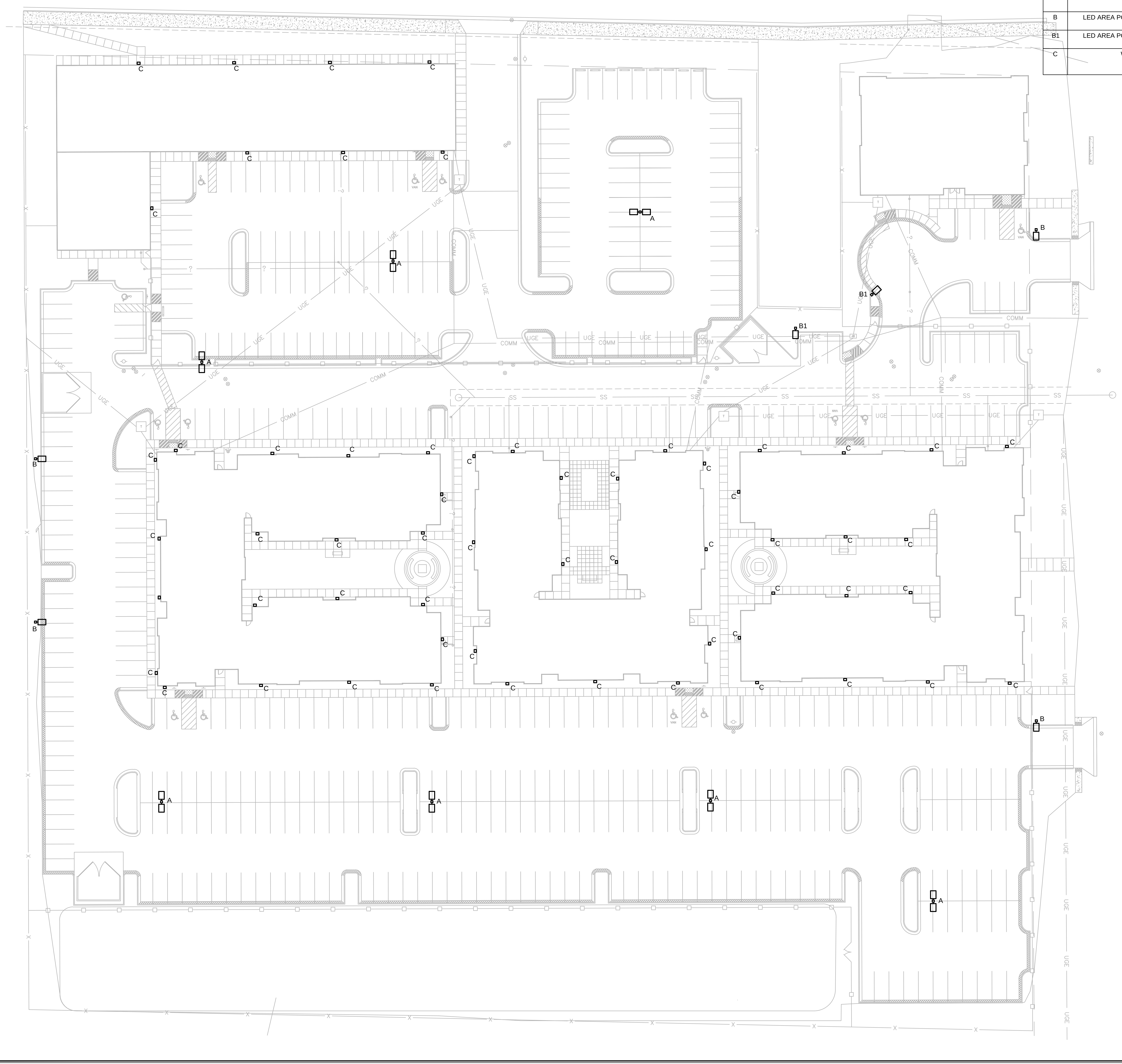

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MFR/SERIES	LAMP	VOLTAGE
A	LED AREA POLE LIGHT - 2 HEAD ON 25' POLE	LITHONIA LIGHTING / DSX1 LED 60C 700 40K T5W	LED	MVOLT
B	LED AREA POLE LIGHT - 1 HEAD ON 25' POLE	LITHONIA LIGHTING / DSX1 LED 60C 700 40K TFTM	LED	MVOLT
B1	LED AREA POLE LIGHT - 1 HEAD ON 20' POLE	LITHONIA LIGHTING / DSX1 LED 60C 700 40K TFTM	LED	MVOLT
C	WALL PACK - 12' AFG	LITHONIA LIGHTING / WST LED 2 10A 700 40K SR4	LED	MVOLT

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AMES, IOWA

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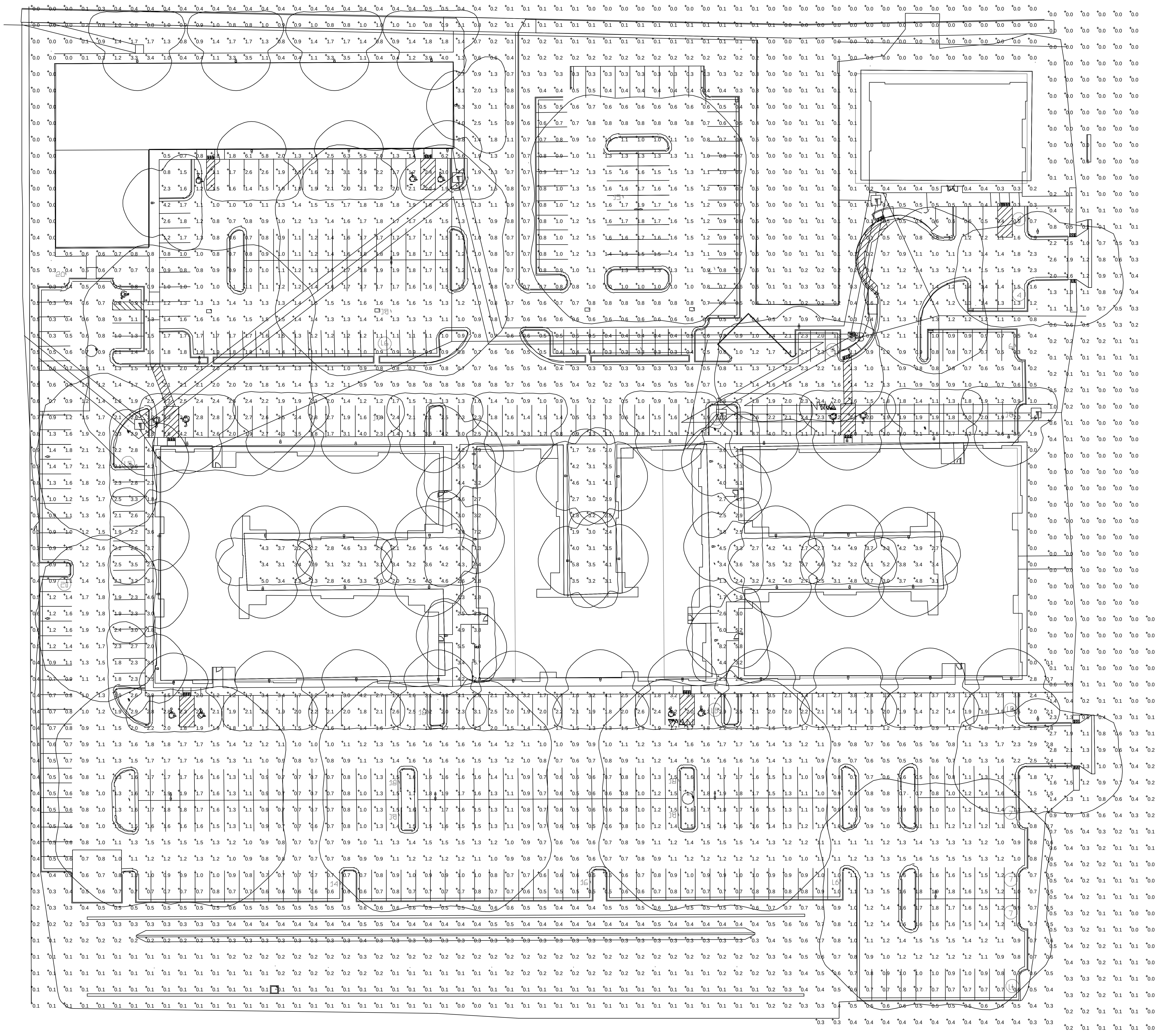
SHEET NAME:
SITE ELECTRICAL

SHEET:
ES1.00



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SITE LIGHTING CALCULATIONS

SHEET:
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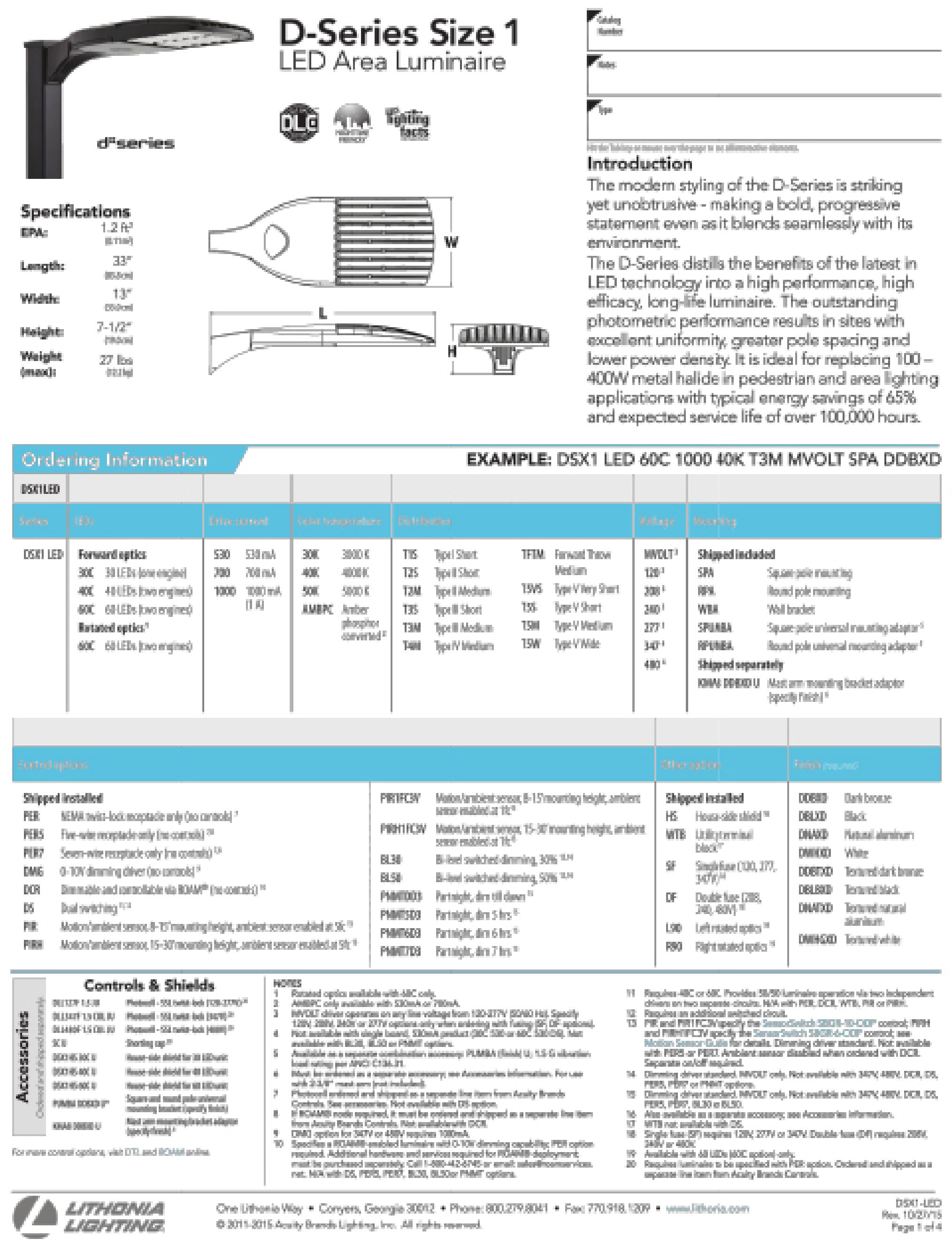
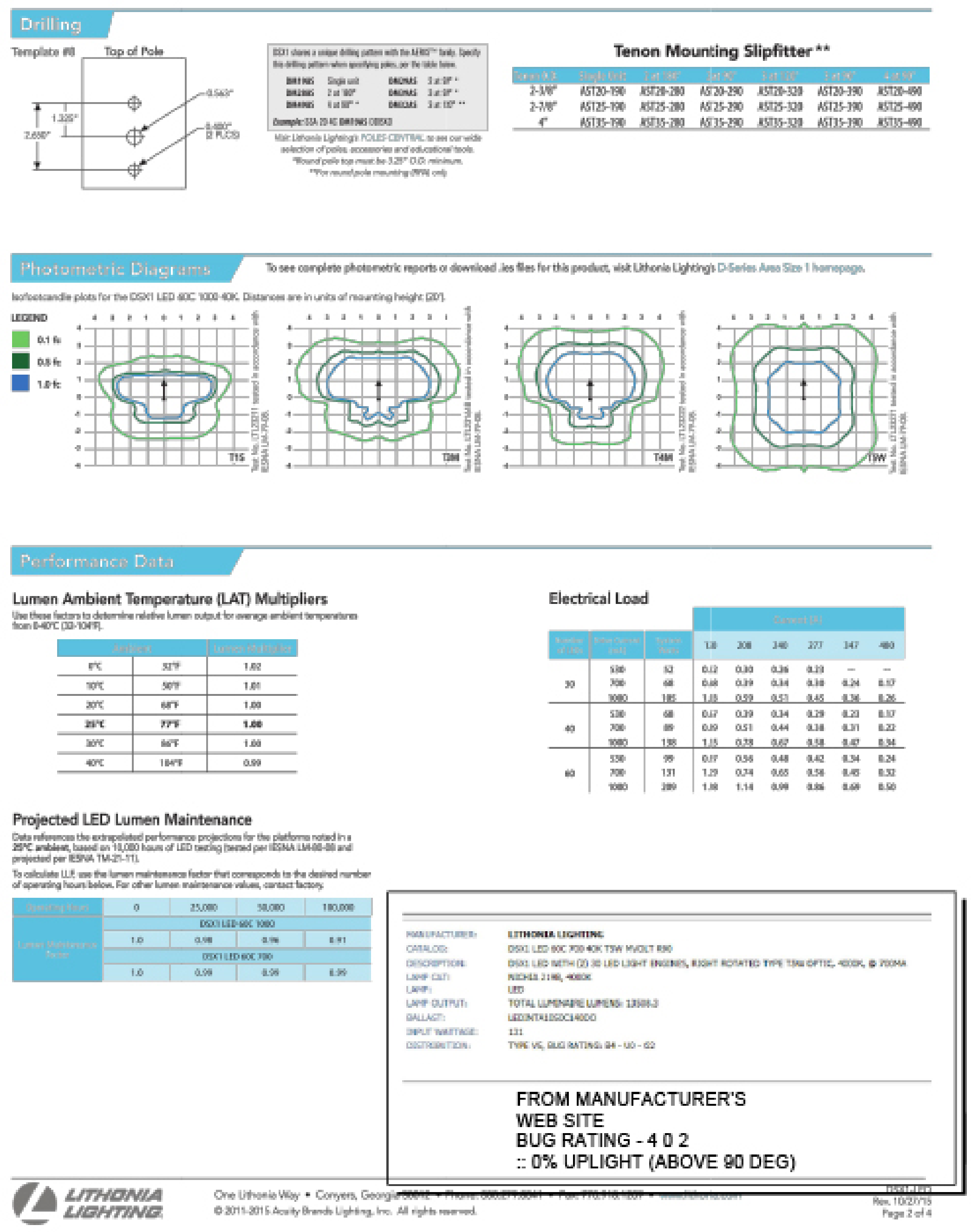
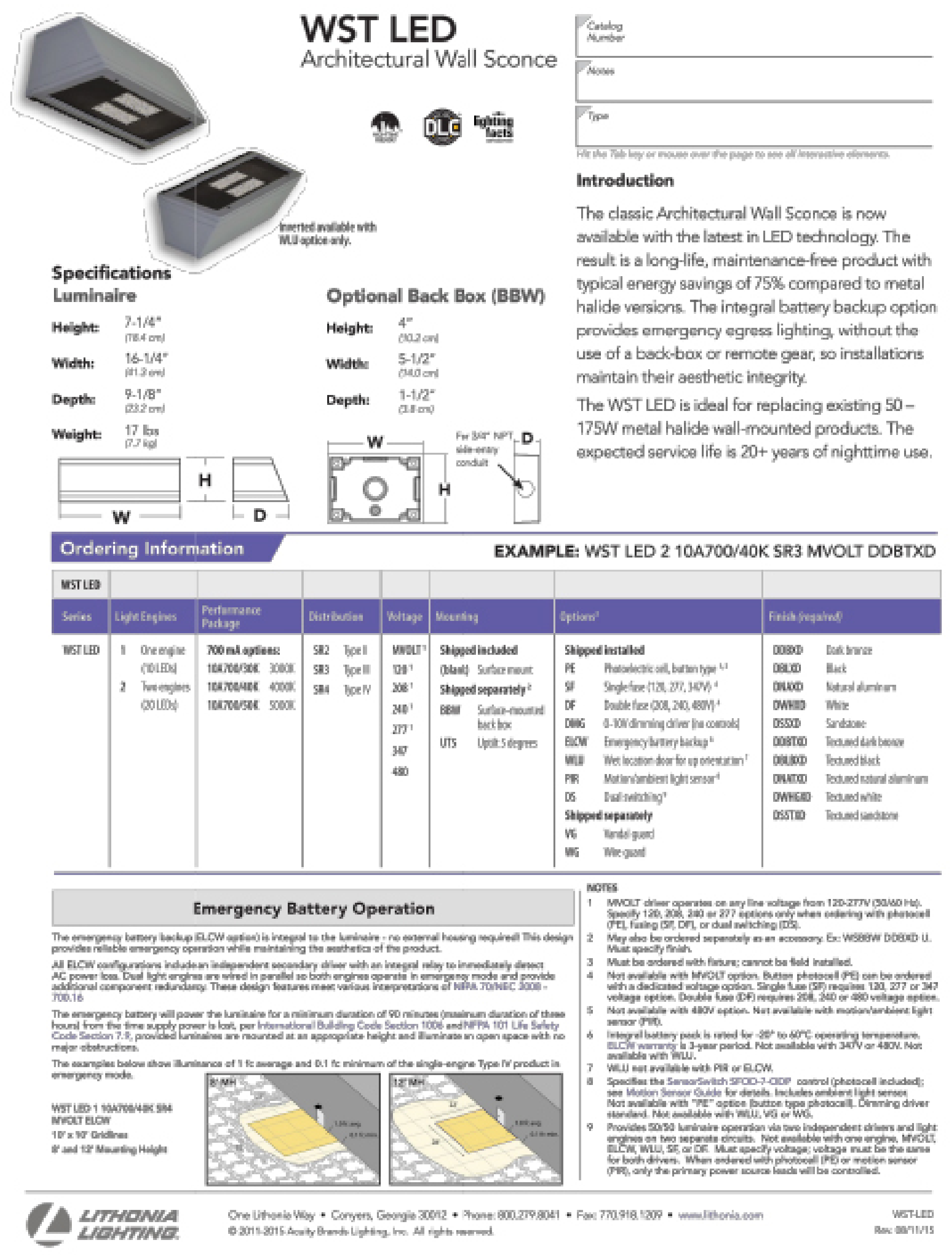


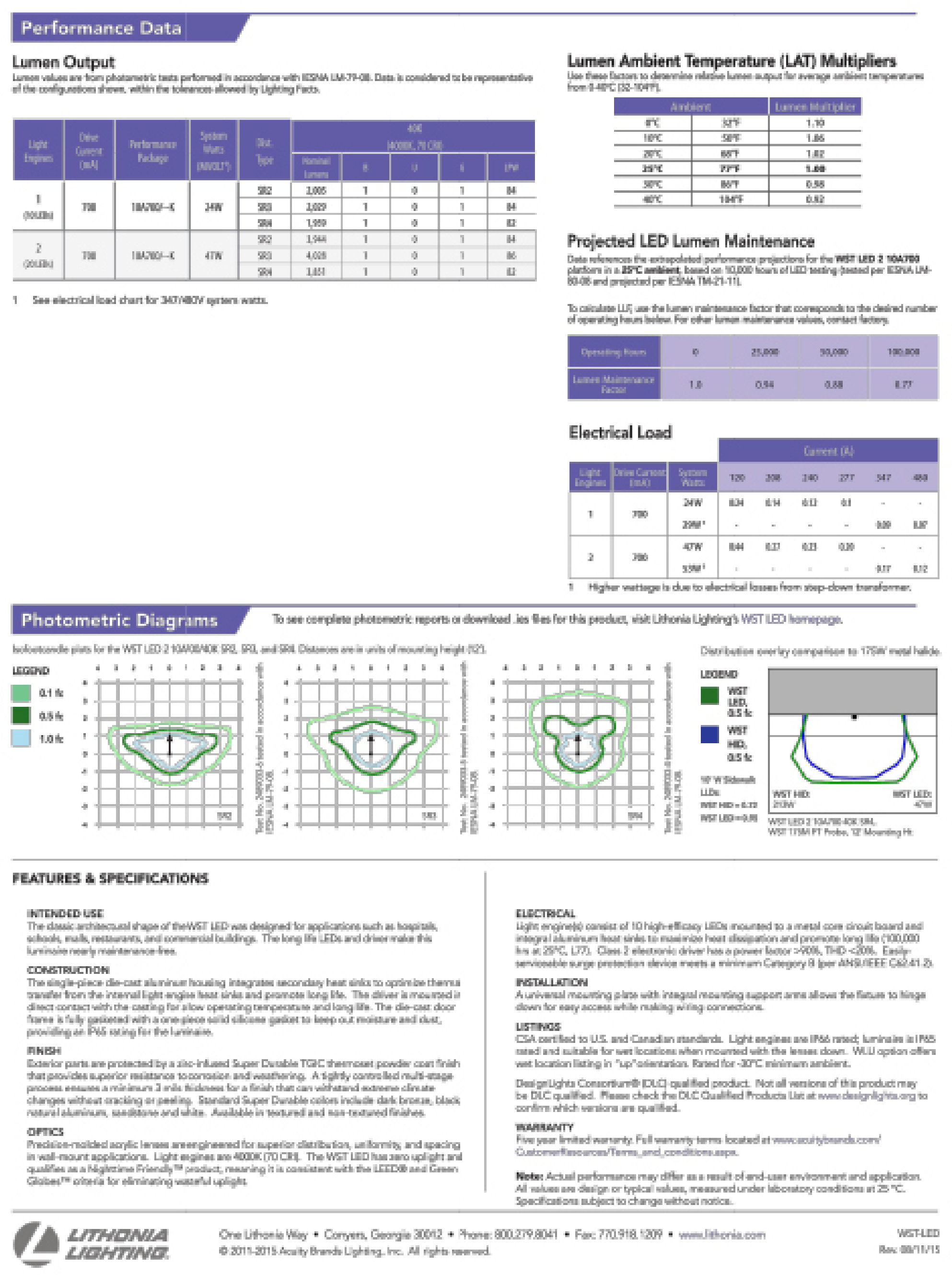
D-Series Size 1
LED Area Luminaire



FROM MANUFACTURER'S
WEB SITE
BUG RATING - 4 0 2
:: 0% UPLIGHT (ABOVE 90 DEG)

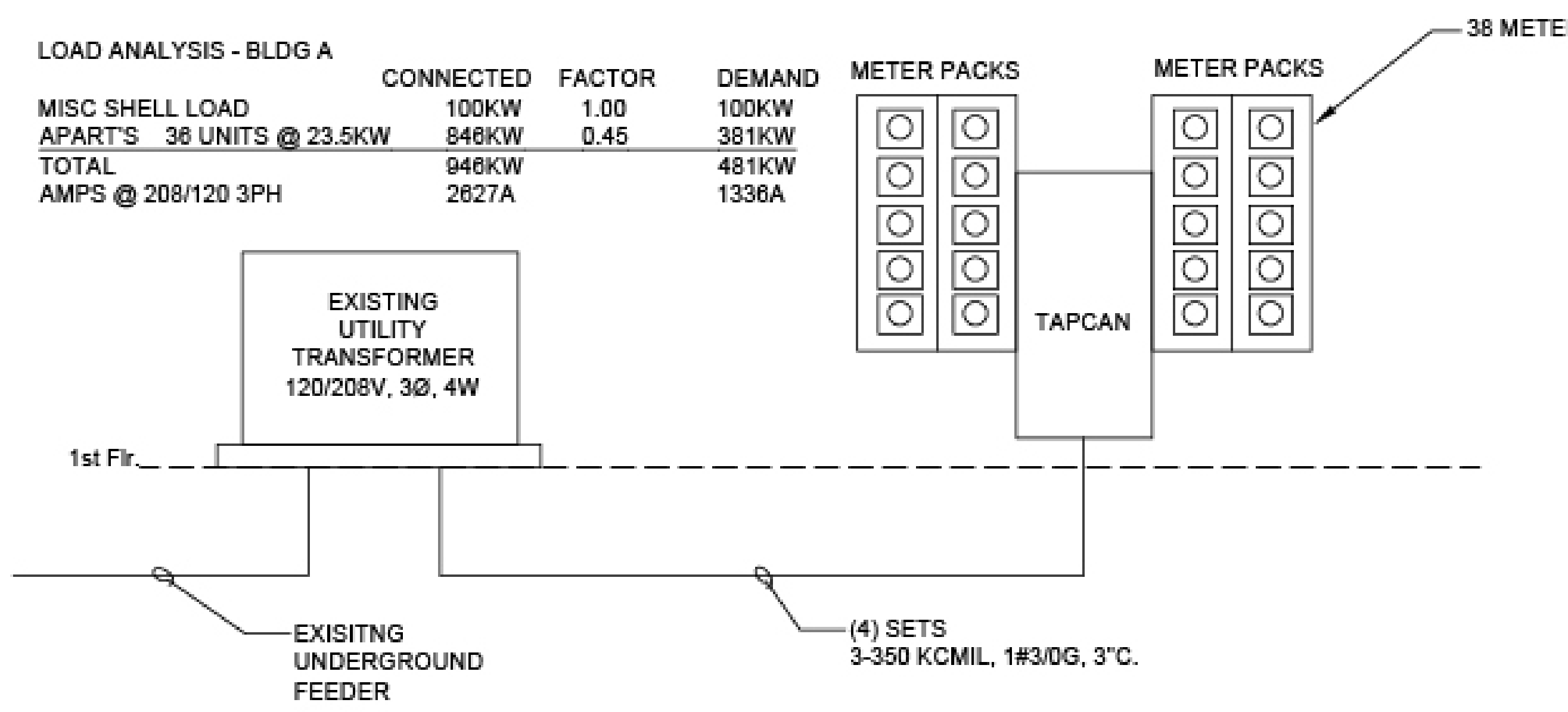


WST LED
Architectural Wall Sconce



Performance Data

Photometric Diagrams

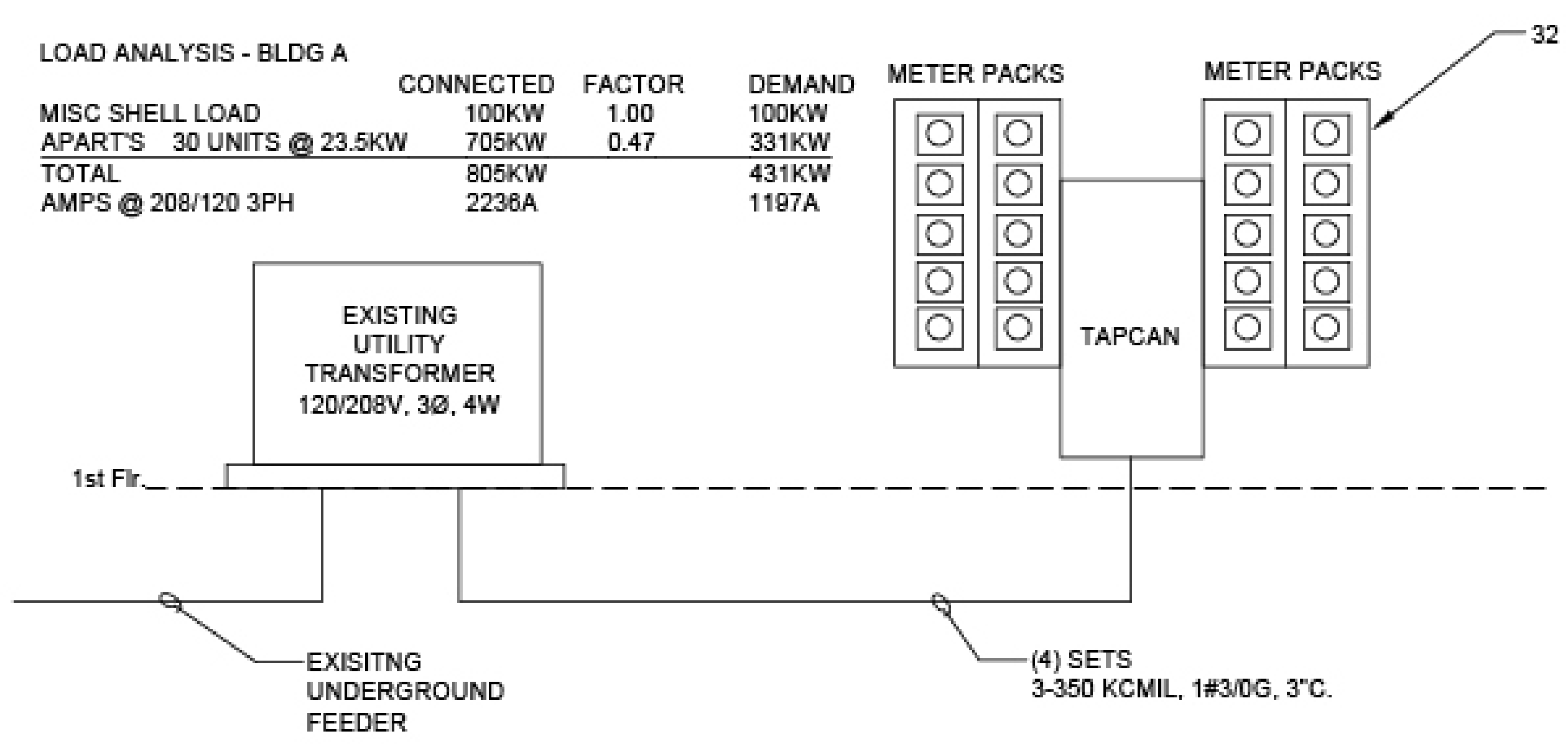


LOAD ANALYSIS - BLDG A

		CONNECTED	FACTOR	DEMAND
MISC SHELL LOAD		100KW	1.00	100KW
APART'S	36 UNITS @ 23.5KW	846KW	0.45	381KW
TOTAL		946KW		481KW
AMPS @ 208/120 3PH		2627A		1336A

② BUILDING B RISER

1/8" = 1'-0"

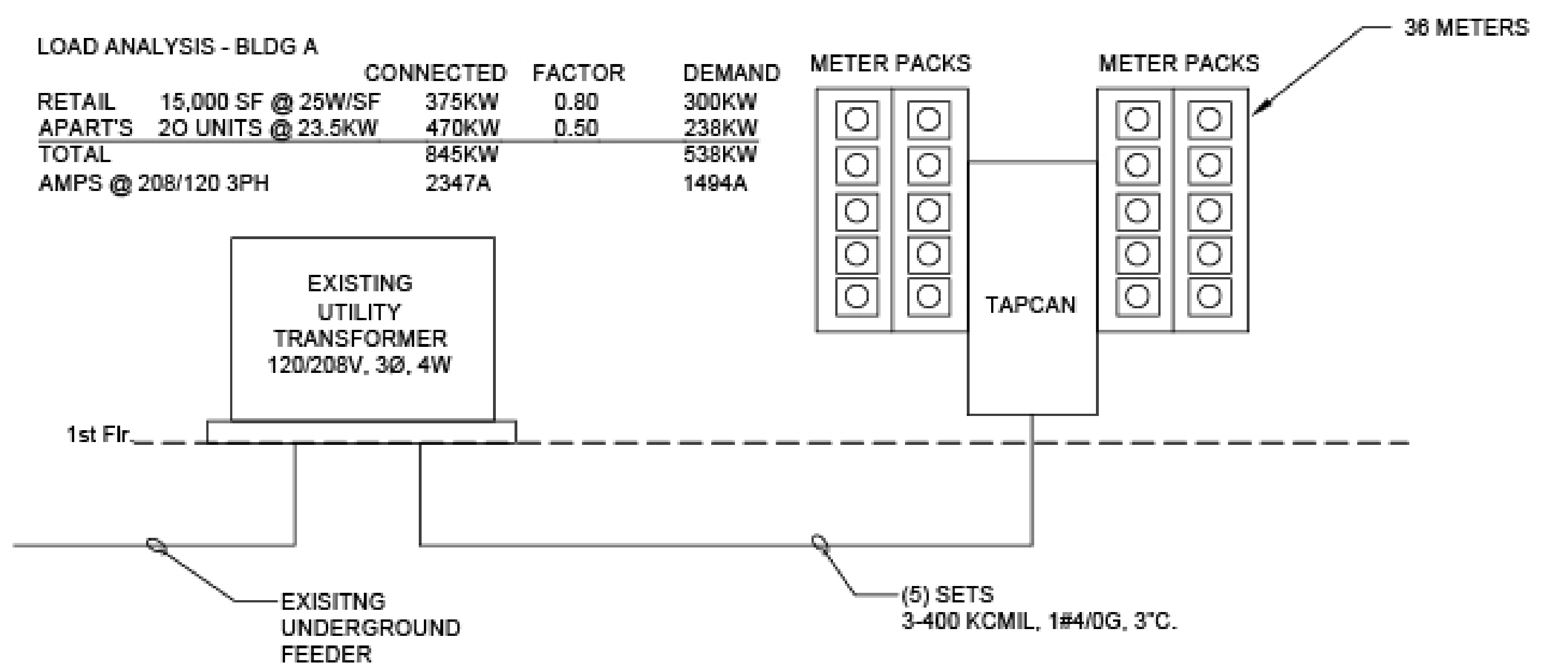


LOAD ANALYSIS - BLDG A

		CONNECTED	FACTOR	DEMAND
MISC SHELL LOAD		100KW	1.00	100KW
APART'S	30 UNITS @ 23.5KW	705KW	0.47	331KW
TOTAL		805KW		431KW
AMPS @ 208/120 3PH		2236A		1197A

③ BUILDING C RISER

1/8" = 1'-0"

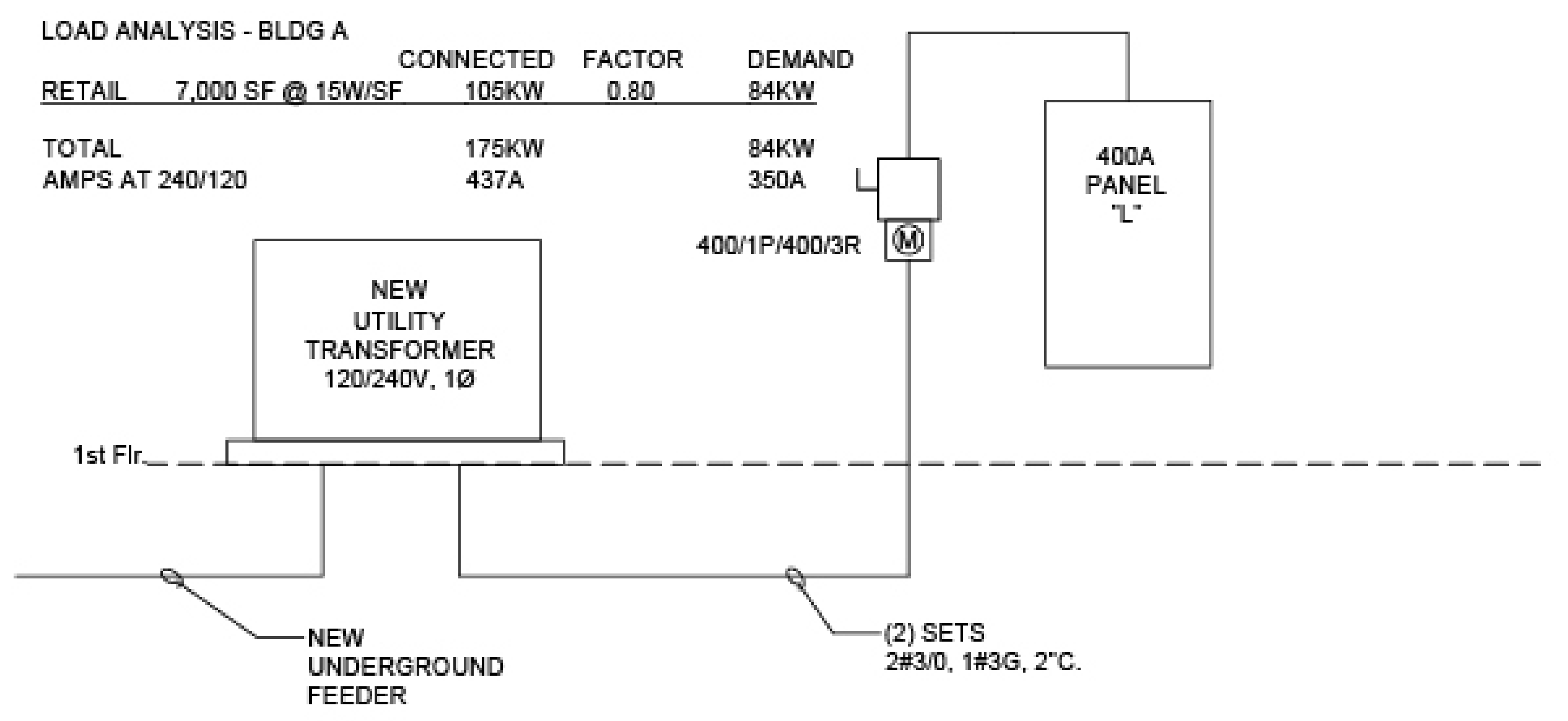


LOAD ANALYSIS - BLDG A

		CONNECTED	FACTOR	DEMAND
RETAIL	15,000 SF @ 25W/SF	375KW	0.80	300KW
APART'S	2O UNITS @ 23.5KW	470KW	0.50	238KW
TOTAL		845KW		538KW
AMPS @ 208/120 3PH		2347A		1494A

① BUILDING A RISER

1/8" = 1'-0"

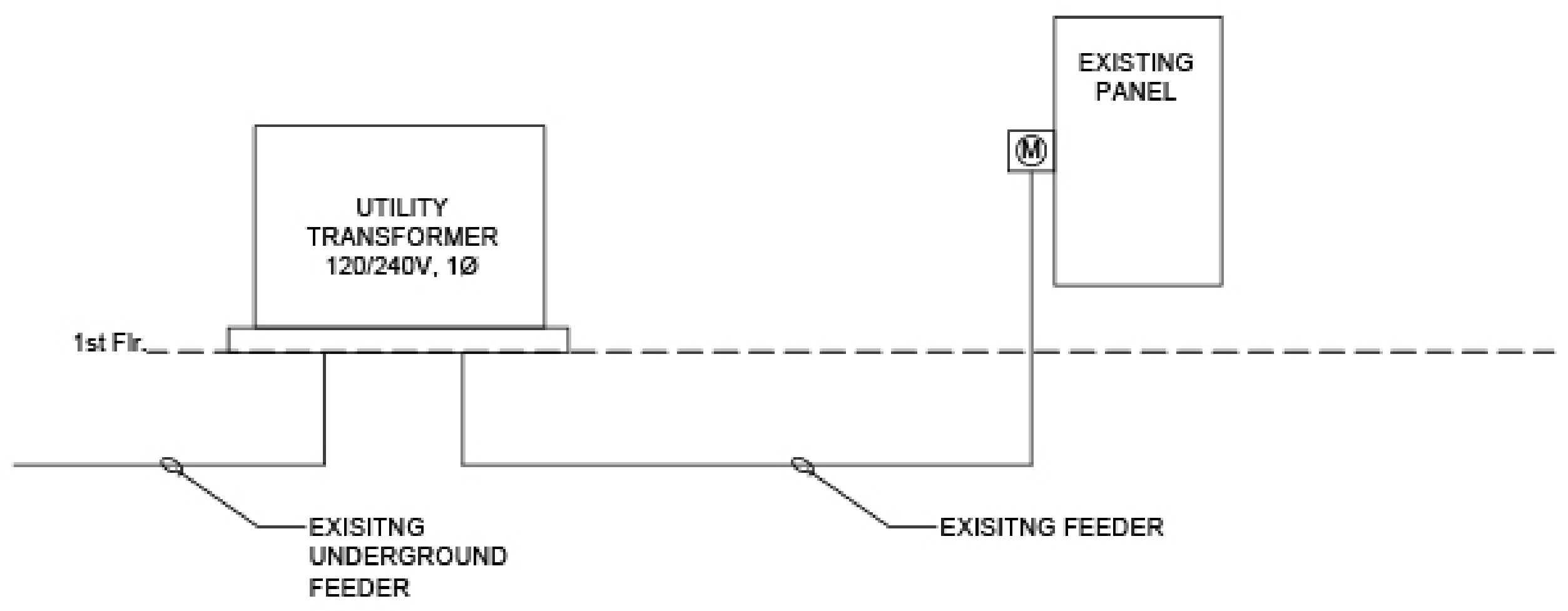


LOAD ANALYSIS - BLDG A

		CONNECTED	FACTOR	DEMAND
RETAIL	7,000 SF @ 15W/SF	105KW	0.80	84KW
TOTAL		175KW		84KW
AMPS AT 240/120		437A		350A

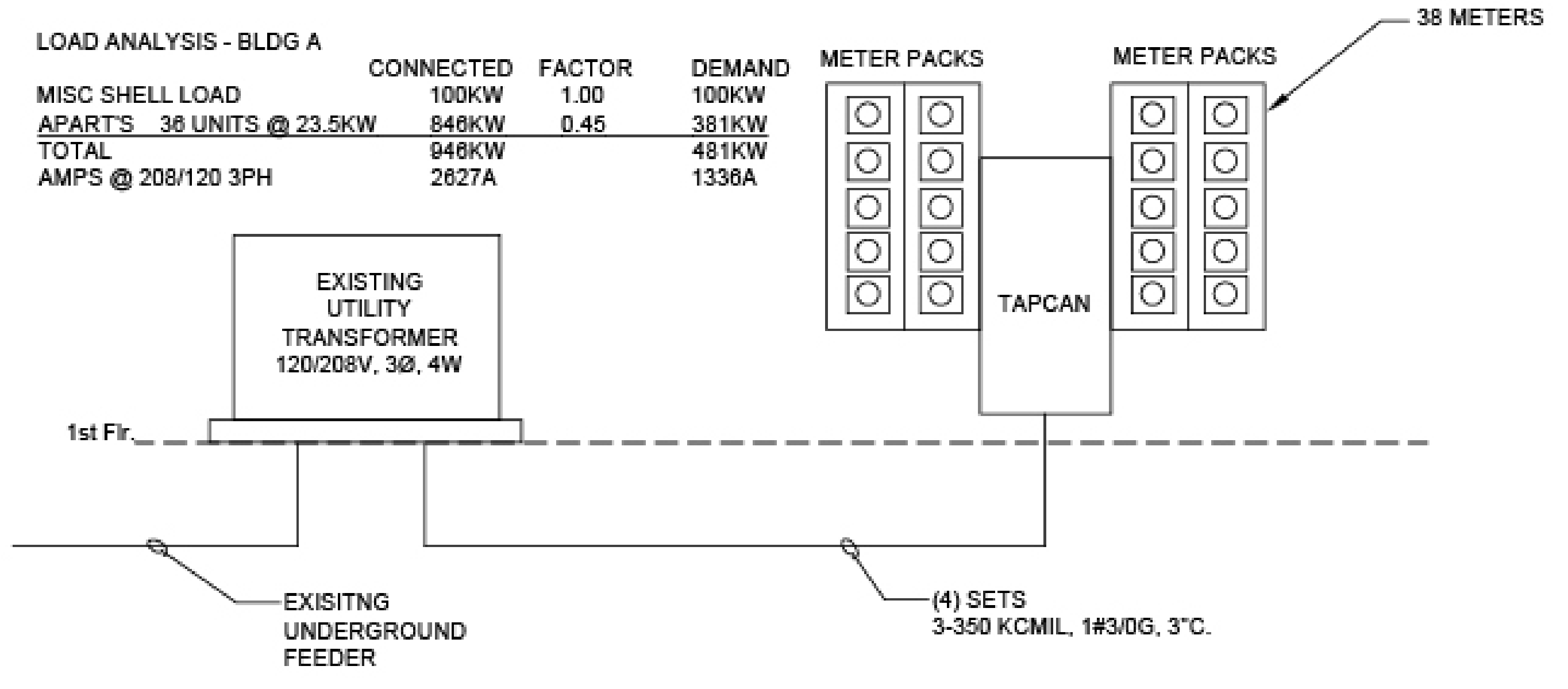
⑤ CLUBHOUSE RISER

1/8" = 1'-0"



⑥ EXISTING RESIDENCE

1/8" = 1'-0"



LOAD ANALYSIS - BLDG A

		CONNECTED	FACTOR	DEMAND
MISC SHELL LOAD		100KW	1.00	100KW
APART'S	36 UNITS @ 23.5KW	846KW	0.45	381KW
TOTAL		946KW		481KW
AMPS @ 208/120 3PH		2627A		1336A

④ BUILDING D RISER

1/8" = 1'-0"

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SITE ELECTRICAL DETAILS

SHEET:
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