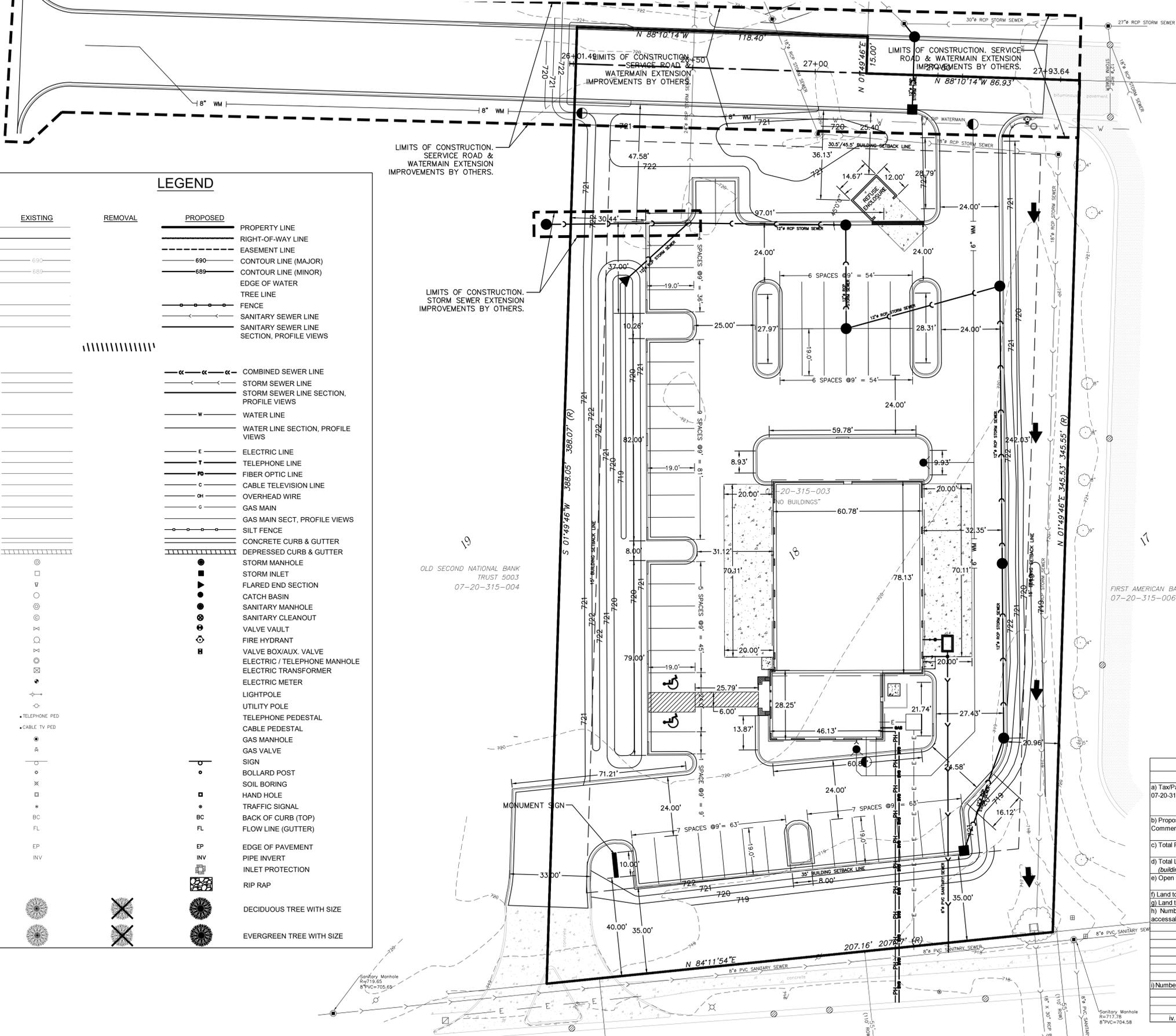
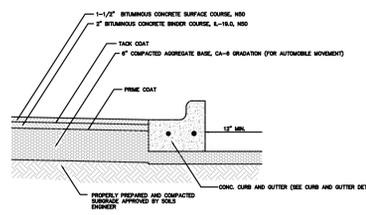
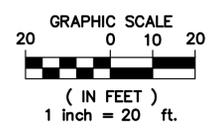


# FINAL PLAN FOR FOX VALLEY PROPERTIES, PHASE II, LOT 18



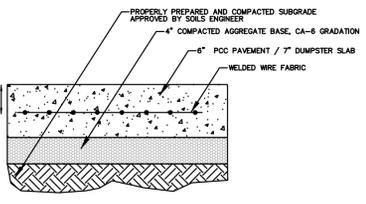
## LEGEND

EXISTING	REMOVAL	PROPOSED	DESCRIPTION
---	---	---	PROPERTY LINE
---	---	---	RIGHT-OF-WAY LINE
---	---	---	EASEMENT LINE
---	---	---	CONTOUR LINE (MAJOR)
---	---	---	CONTOUR LINE (MINOR)
---	---	---	EDGE OF WATER
---	---	---	TREE LINE
---	---	---	FENCE
---	---	---	SANITARY SEWER LINE
---	---	---	SANITARY SEWER LINE SECTION, PROFILE VIEWS
---	---	---	COMBINED SEWER LINE
---	---	---	STORM SEWER LINE
---	---	---	STORM SEWER LINE SECTION, PROFILE VIEWS
---	---	---	WATER LINE
---	---	---	WATER LINE SECTION, PROFILE VIEWS
---	---	---	ELECTRIC LINE
---	---	---	TELEPHONE LINE
---	---	---	FIBER OPTIC LINE
---	---	---	CABLE TELEVISION LINE
---	---	---	OVERHEAD WIRE
---	---	---	GAS MAIN
---	---	---	GAS MAIN SECT, PROFILE VIEWS
---	---	---	SILT FENCE
---	---	---	CONCRETE CURB & GUTTER
---	---	---	DEPRESSED CURB & GUTTER
---	---	---	STORM MANHOLE
---	---	---	STORM INLET
---	---	---	FLARED END SECTION
---	---	---	CATCH BASIN
---	---	---	SANITARY MANHOLE
---	---	---	SANITARY CLEANOUT
---	---	---	VALVE VAULT
---	---	---	FIRE HYDRANT
---	---	---	VALVE BOX/AUX. VALVE
---	---	---	ELECTRIC / TELEPHONE MANHOLE
---	---	---	ELECTRIC TRANSFORMER
---	---	---	ELECTRIC METER
---	---	---	LIGHTPOLE
---	---	---	UTILITY POLE
---	---	---	TELEPHONE PEDESTAL
---	---	---	CABLE PEDESTAL
---	---	---	GAS MANHOLE
---	---	---	GAS VALVE
---	---	---	SIGN
---	---	---	BOLLARD POST
---	---	---	SOIL BORING
---	---	---	HAND HOLE
---	---	---	TRAFFIC SIGNAL
---	---	---	BACK OF CURB (TOP)
---	---	---	FLOW LINE (GUTTER)
---	---	---	EDGE OF PAVEMENT
---	---	---	PIPE INVERT
---	---	---	INLET PROTECTION
---	---	---	RIP RAP
---	---	---	DECIDUOUS TREE WITH SIZE
---	---	---	EVERGREEN TREE WITH SIZE



**GENERAL NOTES:**

- SEE DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST REVISION, FOR HMA MATERIAL SPECIFICATIONS, TESTING PROCEDURES, AND CONSTRUCTION SPECIFICATIONS, ETC.
- SEE THE GENERAL NOTES SHEET FOR ADDITIONAL PAVEMENT NOTES.
- HEAVY DUTY PAVEMENT SHALL BE 2\"/>



**GENERAL NOTES:**

- SEE DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST REVISION, SECTION 400, FOR PCC SPECIFICATIONS, TESTING PROCEDURES, AND CONSTRUCTION SPECIFICATIONS, ETC. ALSO REFER TO THE DOT HIGHWAY STANDARDS.
- SEE THE GENERAL NOTES SHEET FOR ADDITIONAL PAVEMENT NOTES.

Description	Value	Unit	Description	Value	Unit
a) Tax/Parcel Identification Number(s) (PINs): 07-20-315-003			j) Total Number of Residential Dwelling Units	0	Units
			i. Gross Density	0.00	du/acre
			ii. Net Density	0.00	Net Density
b) Proposed land use(s): Commercial			k) Number of Single Family Dwelling Units	0	Units
			i. Gross Density	0.00	du/acre
			ii. Net Density	0.00	Net Density
c) Total Property Size	1.73	Acres	iii. Unit Square Footage (average)	0	square feet
	75358.8	Square feet	iv. Bedroom Mx	0%	1 bdr
d) Total Lot Coverage (buildings and pavement)	44866.8	Square feet		0%	2 bdr
	60%	Percent		20%	3 bdr
e) Open space / landscaping	30492	Square feet		80%	4 bdr
	40%	Percent	v. Number of Single Family Corner Lots	0	Units
f) Land to be dedicated to the School District	0	Acres	i. Gross Density	0.00	du/acre
g) Land to be dedicated to the Park District	0	Acres	ii. Net Density	0.00	Net Density
h) Number of parking spaces provided (individually accessible)	49	spaces	iii. Unit Square Footage (average)	0	square feet
	49	spaces	iv. Bedroom Mx	0%	1 bdr
i. surface parking lot	49	spaces		90%	2 bdr
perpendicular	47	spaces		10%	3 bdr
parallel	0	spaces		0%	4 bdr
angled	0	spaces	m) Number of Multifamily Dwelling Units	0	Units
handicapped	2	spaces	i. Gross Density	0.00	du/acre
enclosed	0	spaces	ii. Net Density	0.00	Net Density
bike	0	spaces	iii. Unit Square Footage (average)	0	square feet
i) Number of buildings	1	building	iv. Bedroom Mx	0%	Efficiency
	i. Number of stories	1	stories	40%	1 bdr
	ii. Building Square Footage (typical)	5810.688	square feet	50%	2 bdr
	iii. Square Footage of retail floor area	4406.739	square feet	10%	3 bdr
	iv. First Floor Building Square Footage (typical)	5810.688	square feet		

JOB NO: 076-030  
 FIELD WORK: 05-01-2020 FOR CLIENT REVIEW  
 FIELD BOOK: 05-20-2020 PER CLIENT REVIEW  
 DRAWN BY: KEK  
 CHECKED BY: KEK  
 COMPLETED: 03/18/20

PREPARED FOR:  
**CHRISTIAN BROTHERS AUTOMOTIVE CORP.**  
 17725 KATY FREEWAY, STE. 200  
 HOUSTON, TEXAS 77094  
 PH: (281) 675-8105

**Bollinger, Lach & Associates, Inc.**  
 333 PIERCE ROAD SUITE 200 ITASCA, IL 60143  
 P: (630) 438-6400 F: (630) 438-6444 www.bollingerlach.com  
 ILLINOIS • INDIANA • WISCONSIN

**CONSULTING ENGINEERS**

FINAL PLAN FOR FOX VALLEY PROPERTIES,  
 PHASE II, LOT 18  
**CHRISTIAN BROTHERS AUTOMOTIVE CORP.**  
 CITY OF AURORA, ILLINOIS

SHEET NUMBER  
**1**  
 OF 1

Design Firm License No. 184-001129

**DESCRIPTION**

The Impact Elite family of wall luminaires is the ideal complement to site design. Incorporating modular LightSquares technology, the Impact Elite luminaire provides outstanding uniformity and energy-conscious illumination. Combined with a rugged construction, the Impact Elite luminaire is the ideal facade and security luminaire for zones surrounding schools, office complexes, apartments and recreational facilities. ULUL Listed for wet locations.

**SPECIFICATION FEATURES**

**Construction**  
Heavy-wall, die-cast aluminum housing and removable hinged door frame for precise tolerance control and repeatability. Hinged door inset for clean mating with housing surface and secure via two captive fasteners. Optional tamper-resistant Torx™ head fasteners offer vandal resistant access to the electrical chamber.

**Optics**  
Choice of 10 patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 5700K CCT.

Catalog #	ISWAF800LEDE1SL4BK	Type	F
Project		Date	
Comments			
Prepared by			

**Electrical**  
LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less than 20% harmonic distortion, and are suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/100A common - and differential - mode surge protection. LightSquares feature an IP66 enclosure rating and maintain greater than 90% lumen maintenance at 60,000 hours per IESNA TM-21. Emergency egress options for -20°C ambient environments and occupancy sensor available.

**Finish**  
Cast components finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

**Warranty**  
Five-year warranty.



**ISC/ISS/IST/ISW**  
IMPACT ELITE LED

1 LightSquare  
Solid State LED

**WALL MOUNT LUMINAIRE**

**CERTIFICATION DATA**

ULUL Listed  
LM79 / LM80 Compliant  
IP66 LightSquare  
DesignLights Consortium® Qualified\*  
SD 3001

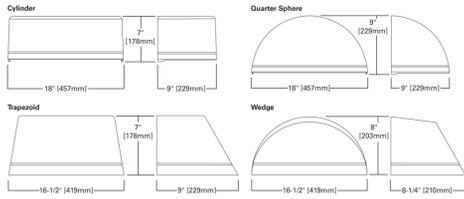
**ENERGY DATA**  
Electronics LED Driver  
≥0.9 Power Factor  
≤20% Total Harmonic Distortion  
120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz  
40°C Minimum Temperature  
40°C Ambient Temperature Rating

**SHIPPING DATA**

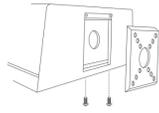
Approximate Net Weight:  
18 lbs. (8 kgs.)

TDS#6026N  
August 22, 2017 9:54 AM

**DIMENSIONS**



**HOOK-N-LOCK MOUNTING**



\*www.designlights.org

**Portfolio**

**DESCRIPTION**  
8-inch LED recessed narrow, medium, or wide beam downlight specially designed for LED technology. Two-stage reflector system produces smooth distribution with excellent light control and low aperture brightness. Offered with 1000-20,000 lumens with color temperatures of 2700K, 3000K, 3500K, 4000K, 5000K available in 90, 90 or 97 CRI. VividTune: Dim-to-warm technology - similar to halogen at full power, the 3000K LED warms smoothly as dimmed to 1850K creating a rich warm glow within the space. Tunable white technology - adjust the color temperature from warm white to cool white while independently controlling intensity.

Catalog #	LD8B30D010/ER8830408040/8LBM1H/LSQKTB81BPIR/HB26	Type	L
Project		Date	
Comments			
Prepared by			

**Lower Shielding Reflector**  
Self-flanged, spun .060" thick aluminum lower reflector in combination with a lensed upper optical chamber provides superior lumen output with minimal source brightness. Available in all Portfolio Alzak® finishes.

**Trim Retention**  
Lower reflector is retained with two torsion springs holding the flange tightly to the finished ceiling surface.

**Plaster Frame / Collar**  
Die cast aluminum 1-1/2" deep collar accommodates ceiling materials up to 2".

**Universal Mounting Bracket**  
Accepts 1/2" EMT, C channel and bar hangers and adjusts 5" vertically from above and below the ceiling.

**Junction Box**  
(4) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (8) #12 AWG (four in, four out) 90°C conductors and feed thru branch wiring.

**Thermal**  
Aluminum heat sink conducts heat away from the LED module for improved performance and longer life.

**LED**  
LED system contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and transitional lens producing even distribution with no axialization. Rated for 50,000 hours at 70% lumen maintenance. Color variation within 3-step MacAdam ellipses. Flexible disconnect allows for tool-less replacement of LED engine from below ceiling. Available in 80, 90 or 97 CRI.

**D2W™** - dim-to-warm shifts CCT from 3000K to 1850K as fixture dims mimicking halogen sources.

**W2N** - Tunable white CCT range 2700K to 6500K or 2000K to 5000K, 90 CRI.

**Driver**  
Combination 0-10V/trailing edge driver provides flicker free dimming from 100% to 10%. Optional 1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem.

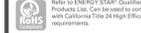
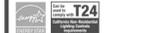
**Code Compliance**  
Thermally protected and eULus listed for protected wet locations. eULus certified IP66 below ceiling. Optional City of Chicago environmental air (CCEA) marking for plenum applications. EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits. IC rated up to 2000 lumens. 3000 lumens and above are non-IC rated - insulation must be kept 3" from top and sides of housing. RoHS Compliant. T24 compliant with IP66 gasket kit. Photometric testing completed in accordance with IES LM 79 standards. LED life testing completed in accordance with LM 80 standards. 8000 lumen and above are marked spacing and must follow spacing requirements.

**Warranty**  
5-year warranty.

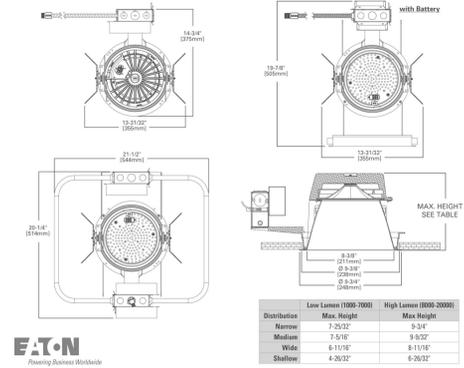


**LD8B ER8B 8LB**  
1,000-20,000 Lumen LED  
New Construction  
Downlight

8-inch Narrow, Medium, or Wide  
Downlight



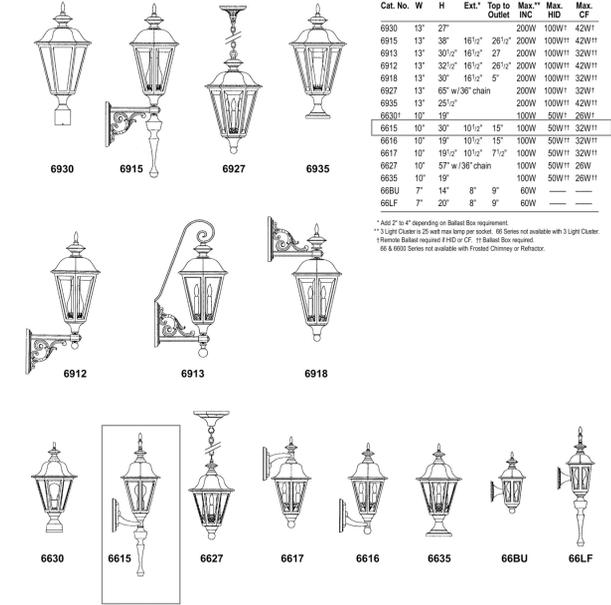
TDS20098N  
July 17, 2019 4:50 PM



**Fixture L**

**6615BB/INC/WA/BK**  
**HERITAGE**

**Small Scale Commercial Fixtures**  
**SPECIFICATIONS**



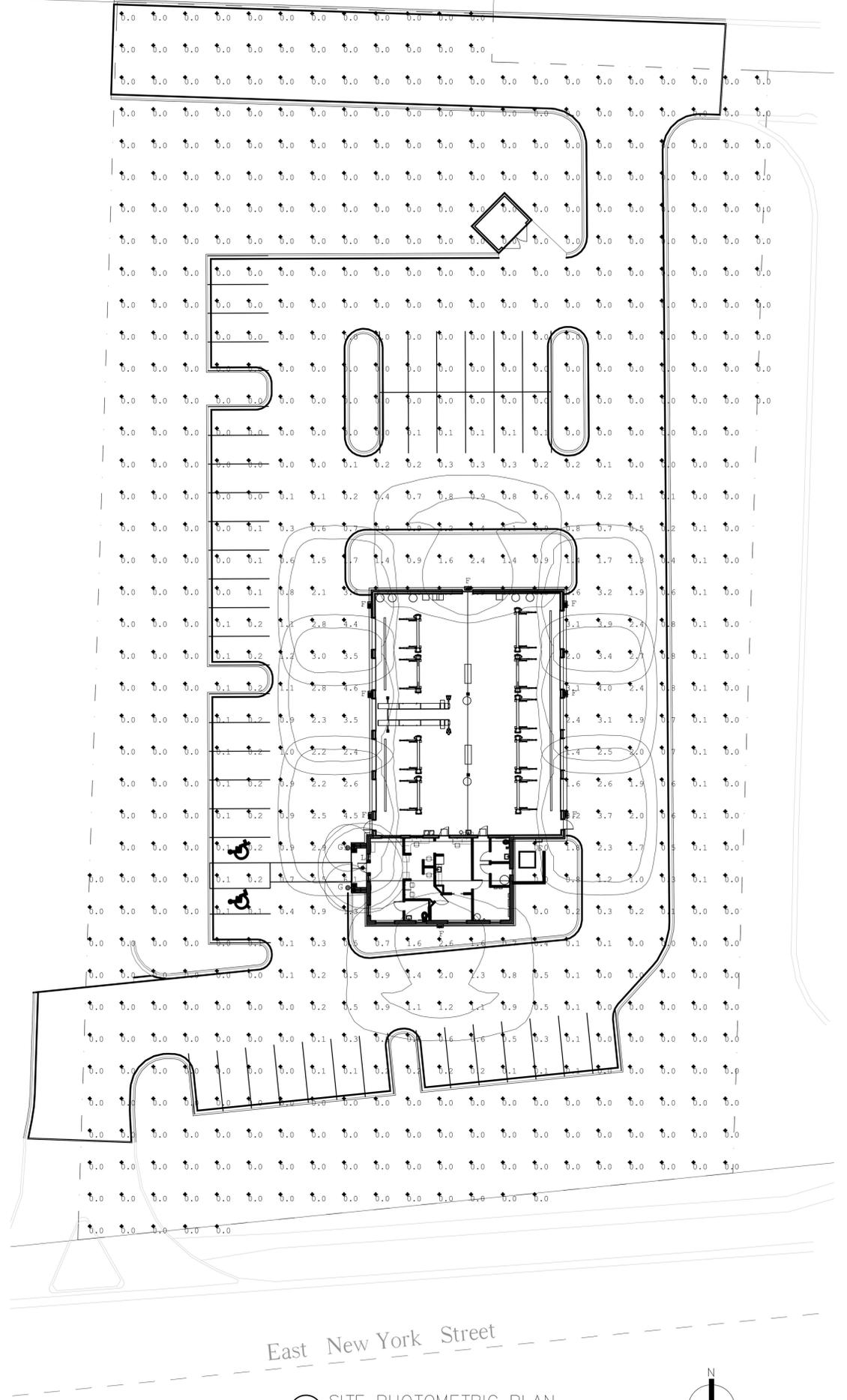
Cat. No.	W	H	Ext. To Outlet	Max. Inc.	Max. HD	Max. CF	
6930	13"	27"	18 1/2"	200V	100V/1	42W/1	
6915	13"	38"	18 1/2"	200V	100V/1	42W/1	
6913	13"	30 1/2"	26 1/2"	200V	100V/1	32W/1	
6912	13"	32 1/2"	18 1/2"	200V	100V/1	42W/1	
6916	13"	30"	18 1/2"	200V	100V/1	32W/1	
6927	13"	65" w/36" chain	200V	100V/1	32W/1		
6935	13"	25 1/2"	200V	100V/1	42W/1		
6630	10"	19"	15"	100V	50V/1	26W/1	
6615	10"	38"	18 1/2"	15"	100V	50V/1	32W/1
6616	10"	19"	10 1/2"	15"	100V	50V/1	32W/1
6617	10"	19 1/2"	7 1/2"	100V	50V/1	32W/1	
6627	10"	57" w/36" chain	100V	50V/1	26W		
6635	10"	19"	15"	100V	50V/1	26W/1	
66BU	7"	14"	8"	9"	50V	---	
66LF	7"	20"	8"	9"	60V	---	

\*Add 2" to H depending on Outlet Box requirement.  
\*\*3 Light Cluster in 25 wall max lamp per socket. All Series not available with 3 Light Cluster.  
†Fluorescent ballast required if HD or CF. ††Ballast Box required.  
‡6 & 800 Series not available with Frosted Chimney or Reflector.



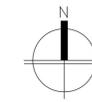
555 Lawrence Ave. Roselle, IL 60172 • 847-588-3400 • Fax 847-588-3440  
www.sternberglighting.com Email: info@sternberglighting.com 5-08

**Fixture G**



East New York Street

**1 SITE PHOTOMETRIC PLAN**  
SCALE: 1" = 20'-0"



Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
⊙	2	C	SINGLE	1,600	0.900	Coach Light with LED A Lamp
⊙	1	L	SINGLE	N.A.	0.900	LD8B30D010/ER8830408040/8LBM1H
⊙	8	F	SINGLE	N.A.	0.810	ISW-AF800-LED-E1-SL4

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
Site Lighting Planar	Illuminance	Fc	0.33	6.1	0.0	N.A.



711 N. FIELDER RD.  
ARLINGTON, TX 76012  
PH: (817) 635-5696  
FAX: (817) 635-5699

**Christian Brothers Automotive**  
3050 East New York Street  
Aurora, IL 60504



**Revisions**

5/1/20 - Issued for Site Development Plan Review

Project No. 20-XX

Drawn By: Staff

Date: 5/1/20

Sheet Title:

**SITE PHOTOMETRIC PLAN**

Drawing No.

**A-4.2**

10RH-1-2020