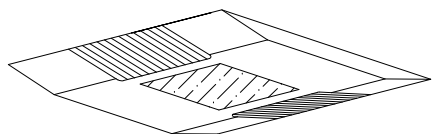


POLE DETAIL
SCALE: NTS

TYPICAL WALL PACK DETAIL (W)
SCALE: NTS



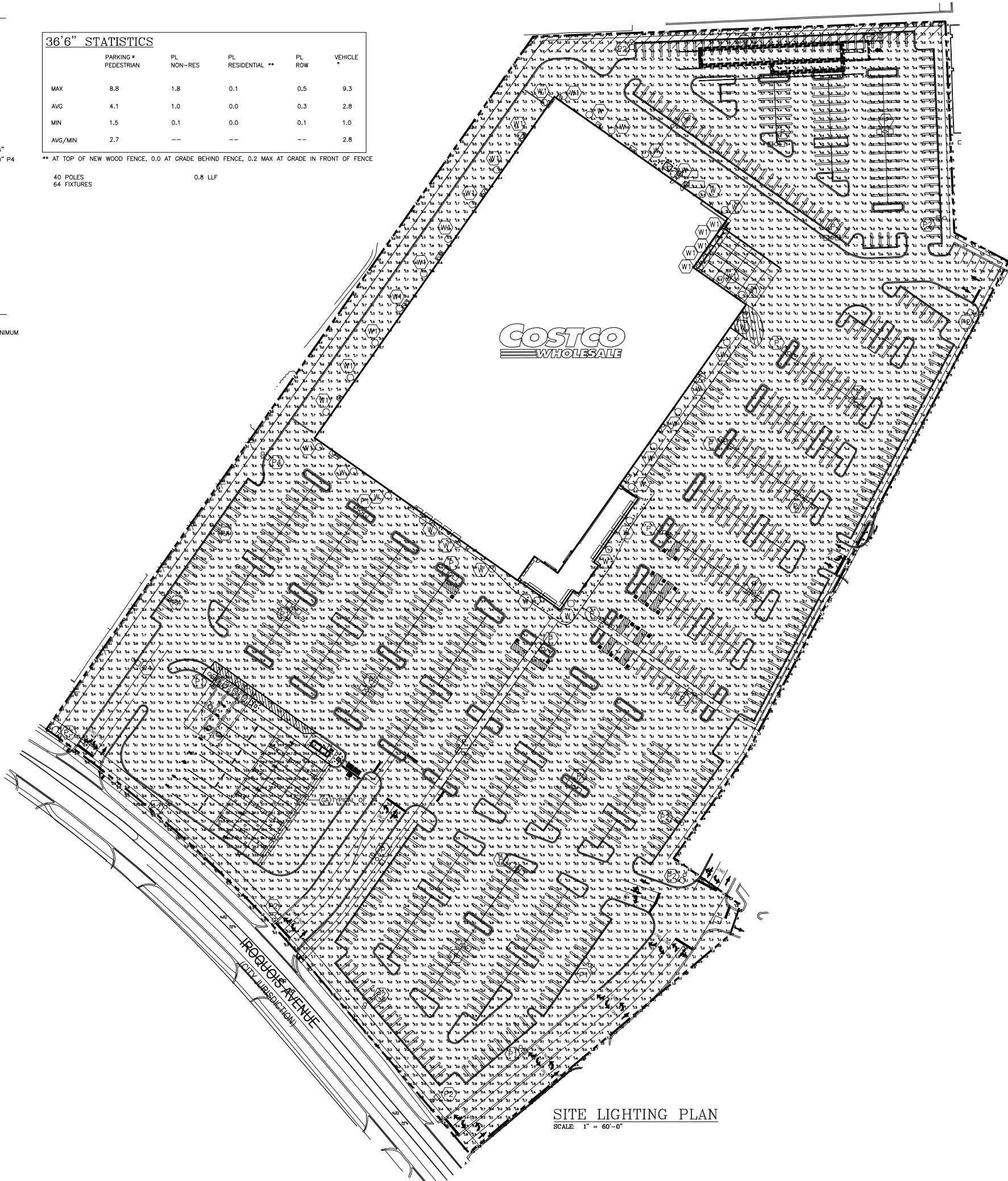
FUEL FACILITY -
LED (GA)
NO SCALE

	PARKING * PEDESTRIAN	PL NON-RES	PL RESIDENTIAL **	PL ROW	VEHICLE °
MAX	8.8	1.8	0.1	0.5	9.3
AVG	4.1	1.0	0.0	0.3	2.8
MIN	1.5	0.1	0.0	0.1	1.0
AVG/MIN	2.7	--	--	--	2.8

** AT TOP OF NEW WOOD FENCE, 0.0 AT GRADE BEHIND FENCE, 0.2 MAX AT GRADE IN FRONT OF FENCE

40 POLES
64 FIXTURES

0.8 LLF



SITE LIGHTING PLAN

SCALE: 1" = 60'-0"

SITE LIGHTING PLAN

ISSUED FOR QA

PROJECT NO:20-007
 (C) NO PART OF THIS DOCUMENT MAY BE USED OR COPIED IN WHOLE OR IN PART WITHOUT THE PRIOR WRITTEN CONSENT OF T.E.I.NC.

ARCHITECT REFERENCE NO:

ISSUE DATE:

REVISION DATE:

DRAWN: JGM/BWY

CHECKED: HW

SE-1



DD PACKAGE

DD PACKAGE



T.E., Inc.

830 N. RIVERSIDE DRIVE
SUITE #200
RENTON, WA 98057
PHONE: 425-970-3753
FAX: 425-970-3756

03/02/20	REVISED
03/03/20	REVISED

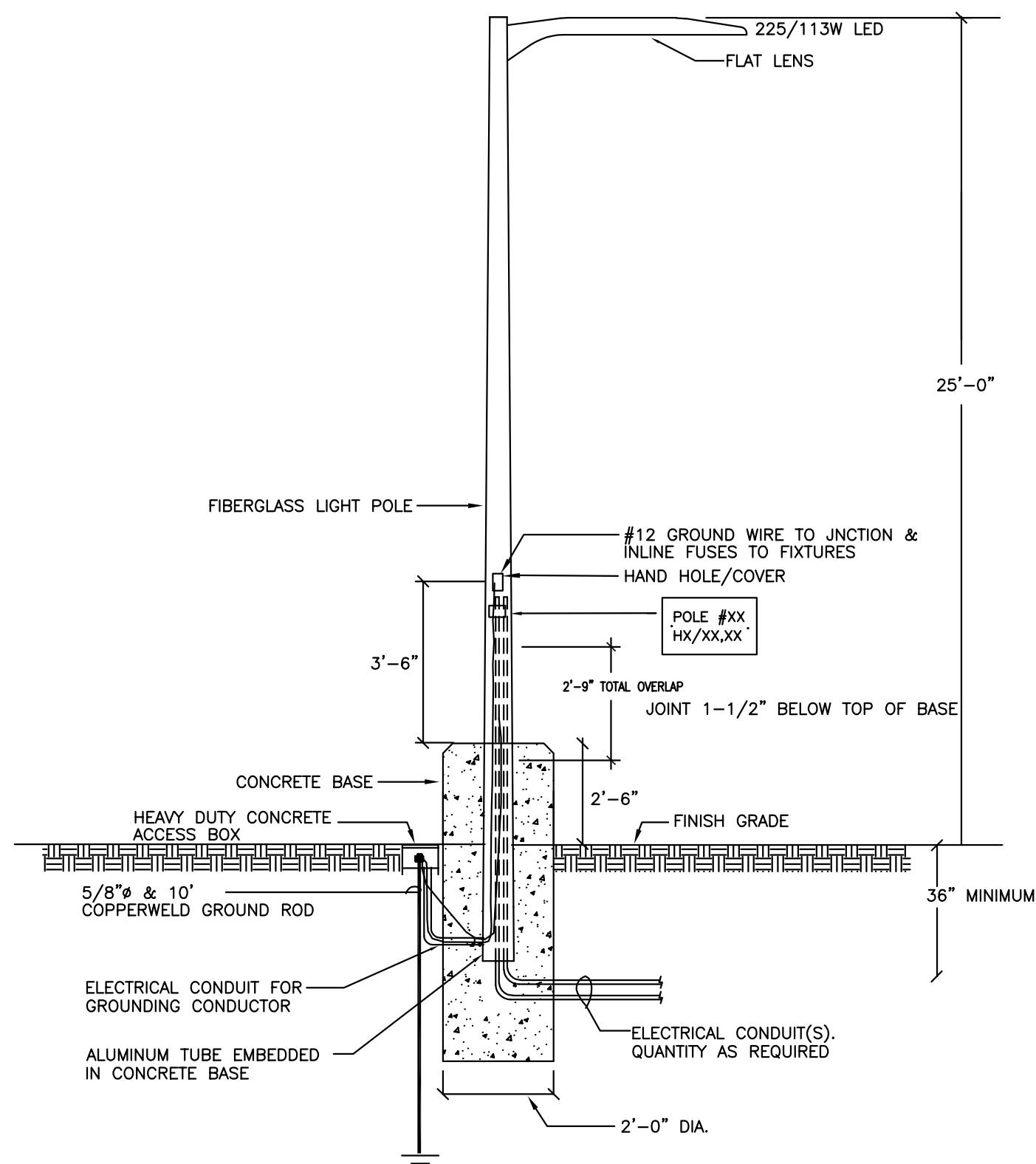
IDFPR # 184005536
EXP: 04/30/2021

Date _____
License Expires 11-30-2011

Signature _____



02-048535
LICENSED
PROFESSIONAL
ENGINEER

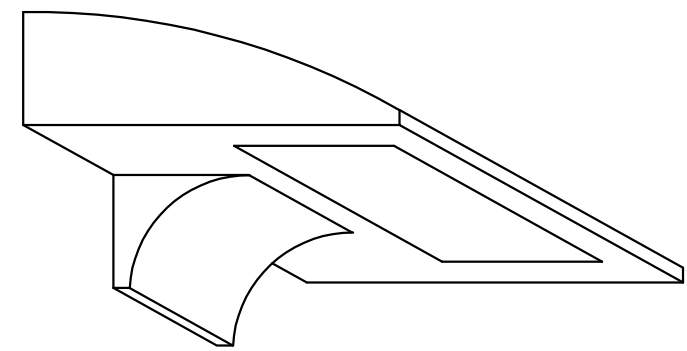


NOTE: PROVIDE CONCRETE J-BOX AS REQUIRED.
THIS DETAIL IS FOR ELECTRICAL CONDUITS ROUTING ONLY.
SEE STRUCTURAL DRAWINGS S0.2 FOR DETAILS.

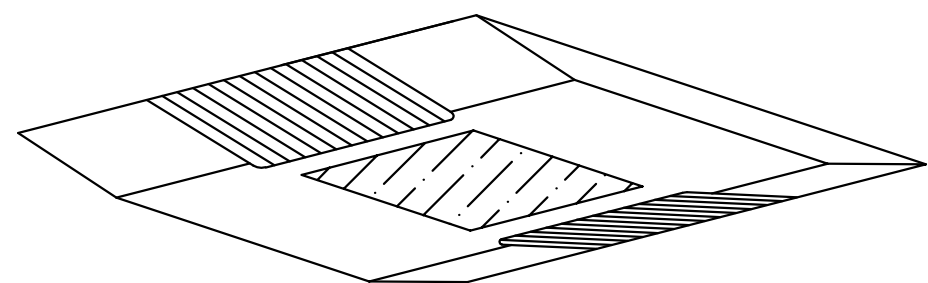
POLE DETAIL

SCALE: NTS

FIXTURE DESCRIPTION	
(P)	COOPER GALLEON GLEON-AF-4-LED-E1-RWQ-BZ, 225W TYPE 5 DISTRIBUTION. FIBERGLASS POLE 25'-0" ABOVE GRADE, WITH 2'-6" BASE.
(P1)	COOPER GALLEON GLEON-AF-4-LED-E1-SL3-HSS-BZ, 225W TYPE 3 DISTRIBUTION. FIBERGLASS POLE 25'-0" ABOVE GRADE, WITH 2'-6" BASE.
(P2)	COOPER GALLEON GLEON-AF-4-LED-E1-SL4-HSS-BZ, 225W TYPE 4 DISTRIBUTION. FIBERGLASS POLE 25'-0" ABOVE GRADE, WITH 2'-6" BASE.
(P3)	COOPER GALLEON GLEON-AF-2-LED-E1-SL4-HSS-BZ, 113W TYPE 4 DISTRIBUTION. FIBERGLASS POLE 25'-0" ABOVE GRADE, WITH 2'-6" BASE.
(P4)	COOPER GALLEON GLEON-AF-3-LED-E1-RWQ-BZ, 166W TYPE 5 DISTRIBUTION. FIBERGLASS POLE 25'-0" ABOVE GRADE, WITH 2'-6" BASE.
(W)	LITH DSXW2 LED 40K 30C 1000 T2M, 109W LED, 20' MOUNTING HEIGHT
(W1)	LITH DSXW2 LED 40K 30C 1000 TFM, 109W LED, 20' MOUNTING HEIGHT
(W2)	LITH DSXW2 LED 50K 30C 530 TW4, 54W LED, 20' MOUNTING HEIGHT
(GA)	96W LED, SURFACE SYMETRIC DOWN LIGHT, FLAT LENS, 18' MOUNTING HEIGHT



TYPICAL WALL PACK DETAIL (W)
SCALE: NTS



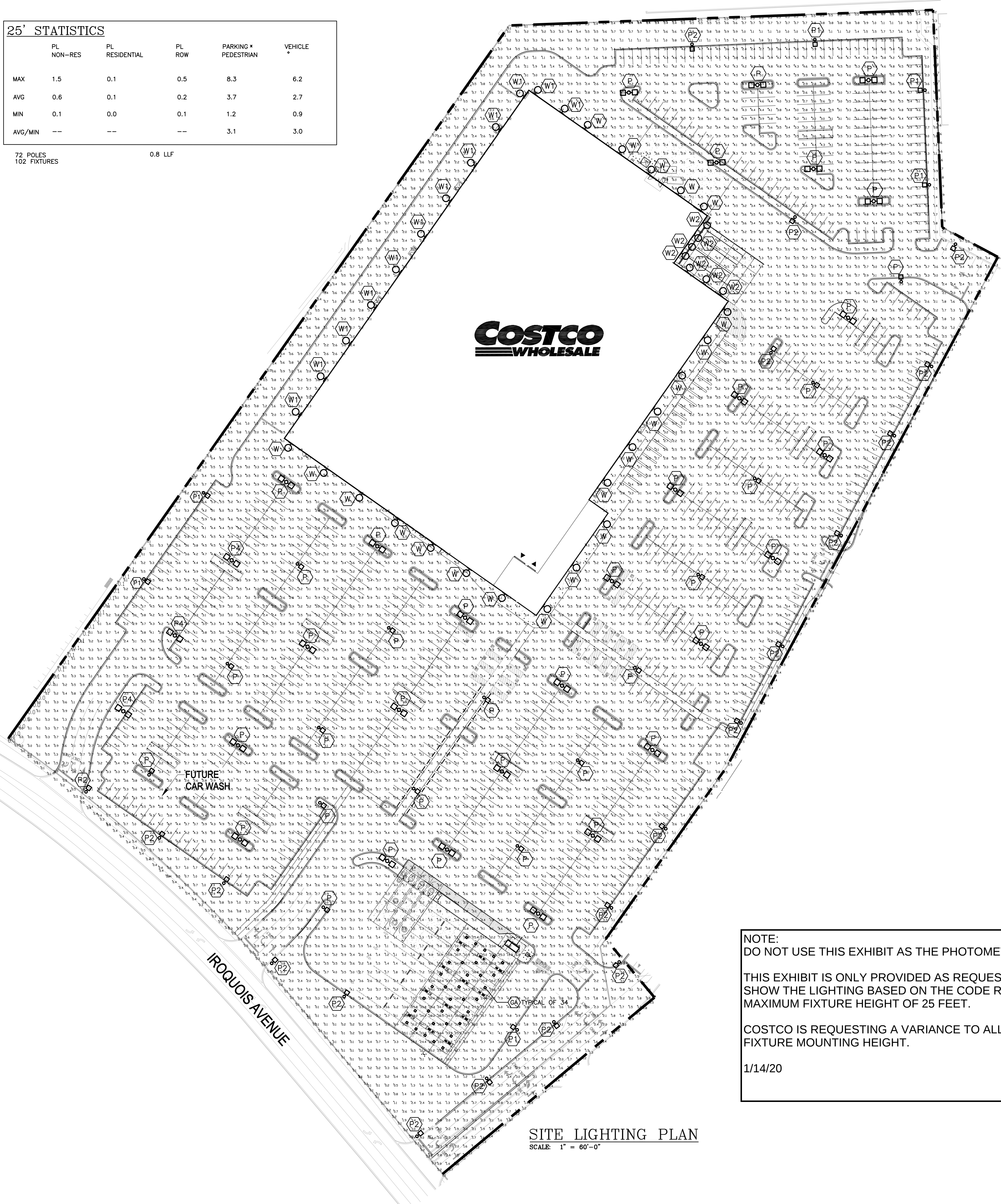
FUEL FACILITY -
LED (GA)
NO SCALE

25' STATISTICS

	PL NON-RES	PL RESIDENTIAL	PL ROW	PARKING * PEDESTRIAN	VEHICLE *
MAX	1.5	0.1	0.5	8.3	6.2
AVG	0.6	0.1	0.2	3.7	2.7
MIN	0.1	0.0	0.1	1.2	0.9
AVG/MIN	--	--	--	3.1	3.0

72 POLES
102 FIXTURES

0.8 LLF



NOTE:
DO NOT USE THIS EXHIBIT AS THE PHOTOMETRIC SUBMITTAL.

THIS EXHIBIT IS ONLY PROVIDED AS REQUESTED BY STAFF TO
SHOW THE LIGHTING BASED ON THE CODE REQUIREMENT
MAXIMUM FIXTURE HEIGHT OF 25 FEET.

COSTCO IS REQUESTING A VARIANCE TO ALLOW 36.6 FOOT
FIXTURE MOUNTING HEIGHT.

1/14/20

SITE LIGHTING PLAN

SCALE: 1" = 60'-0"

SITE LIGHTING PLAN

PROJECT NO:20-007

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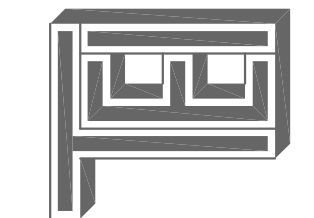
OR IN PART WITHOUT THE PRIOR WRITTEN CONSENT OF T.E. INC.

ARCHITECT REFERENCE NO.

COSTCO
WHOLESALE

DD PACKAGE

NWC OF OGDEN AVENUE &
NAPERVILLE - WHEATON ROAD
NAPERVILLE, IL



T.E., Inc.

830 N. RIVERSIDE DRIVE
SUITE #200
RENTON WA 98057
PHONE: 425-970-3753
FAX: 425-970-3756

ISSUE DATE:

REVISION DATE:

DRAWN: JCM

CHECKED: HW

ISSUED FOR QA

SE-1

DESCRIPTION		
The Gallion™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high efficiency AcquaLED Optics™, parking lot, roadway, building areas and security lighting applications. IP66 rated and UL, ULX, Listed for wet locations.		
Catalog #	Type	Date
Project	P	
Comments		
Prepared by		

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum case enables housing and drive components heat sinks. A unique, patented interlocking housing and heat sink provides stability with superior structural rigidity. 35 vibration tested and rated. Optional test hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AcquaLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AcquaLED Optics create custom distributions with the scalability to meet customer application requirements. Offered standard in 4000K (~276K CCT) 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 100K of transient line surge. The Gallion LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT:
Extruded aluminum arm includes internal ball guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° angle, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. **QUICK MOUNT:** ARM Adapter is bolted directly to the pole. Quick mount arm side housing and drive components are accommodated multiple drill patterns ranging from 1-1/2" to 6-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing options include black, bronze, grey, white, dark platinum and graphite metallic. Seal, and custom color matches available.

Warranty
Five-year warranty.

LEON GALLEON LED
1-10 Light Squares
Solid State LED
AREA/SITE LUMINAIRE

page 3

OPTIC ORIENTATION

Standard

Optic Rotated Left @ 90° (L90)

Optic Rotated Right @ 90° (R90)

OPTICAL DISTRIBUTIONS

Asymmetric Area Distributions

T2 (Type II)

SL2 (Type II with Split Control)

Asymmetric Area Distributions

T3 (Type II)

SL3 (Type II with Split Control)

Asymmetric Area Distributions

T4T (Type IV Forward Throw)

T4W (Type IV Widel)

SL4 (Type IV with Split Control)

Asymmetric Roadway Distributions

RW (Rectangular Wide Type II)

T2R (Type II Roadway)

Asymmetric Roadway Distributions

T3R (Type II Roadway)

Symmetric Distributions

SMO (Type V Square Narrow)

SWO (Type V Square Wide)

Specialized Distributions

SL5 (Automotive Frontline)

SLR (80° Split Light Eliminator Right)