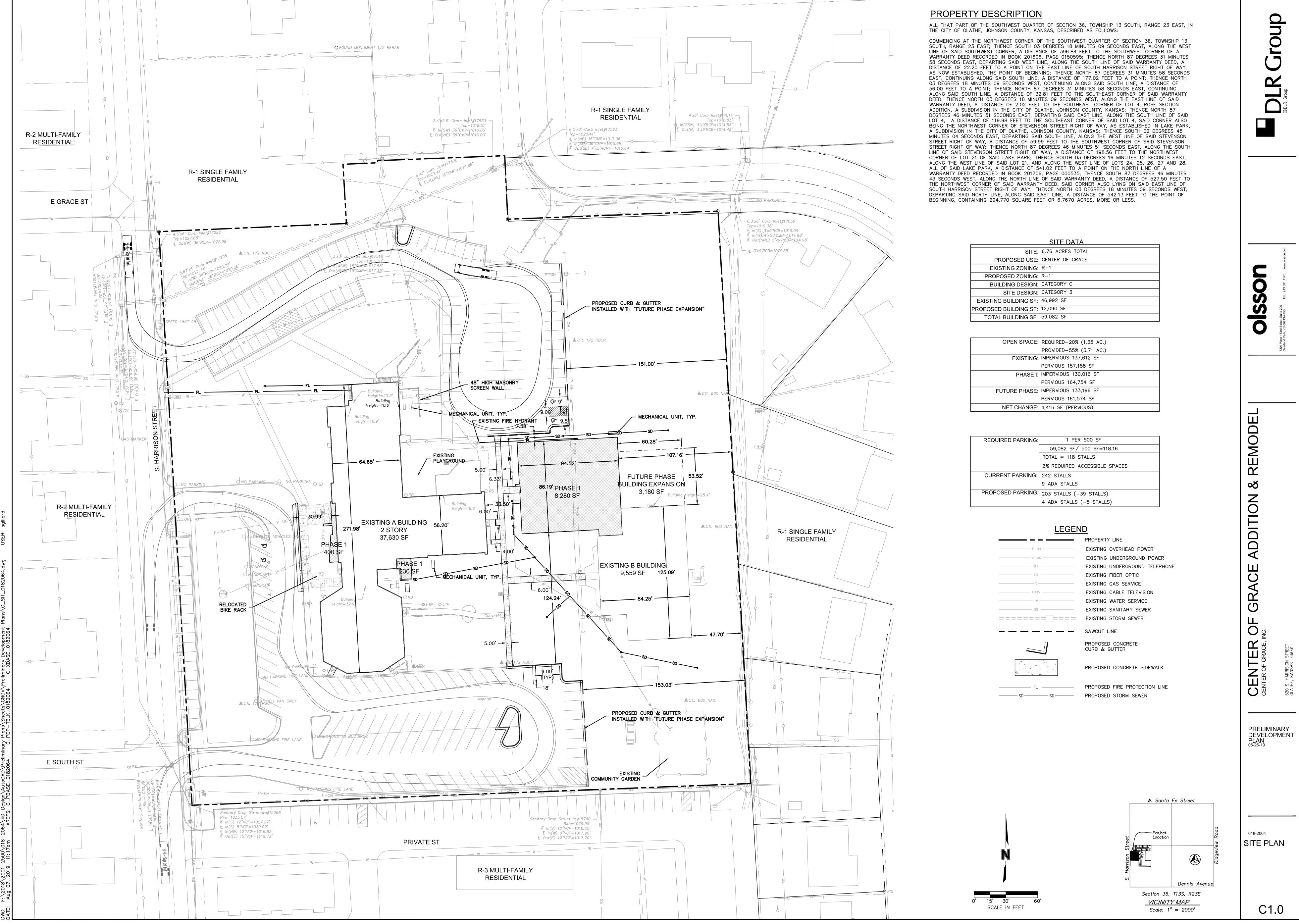
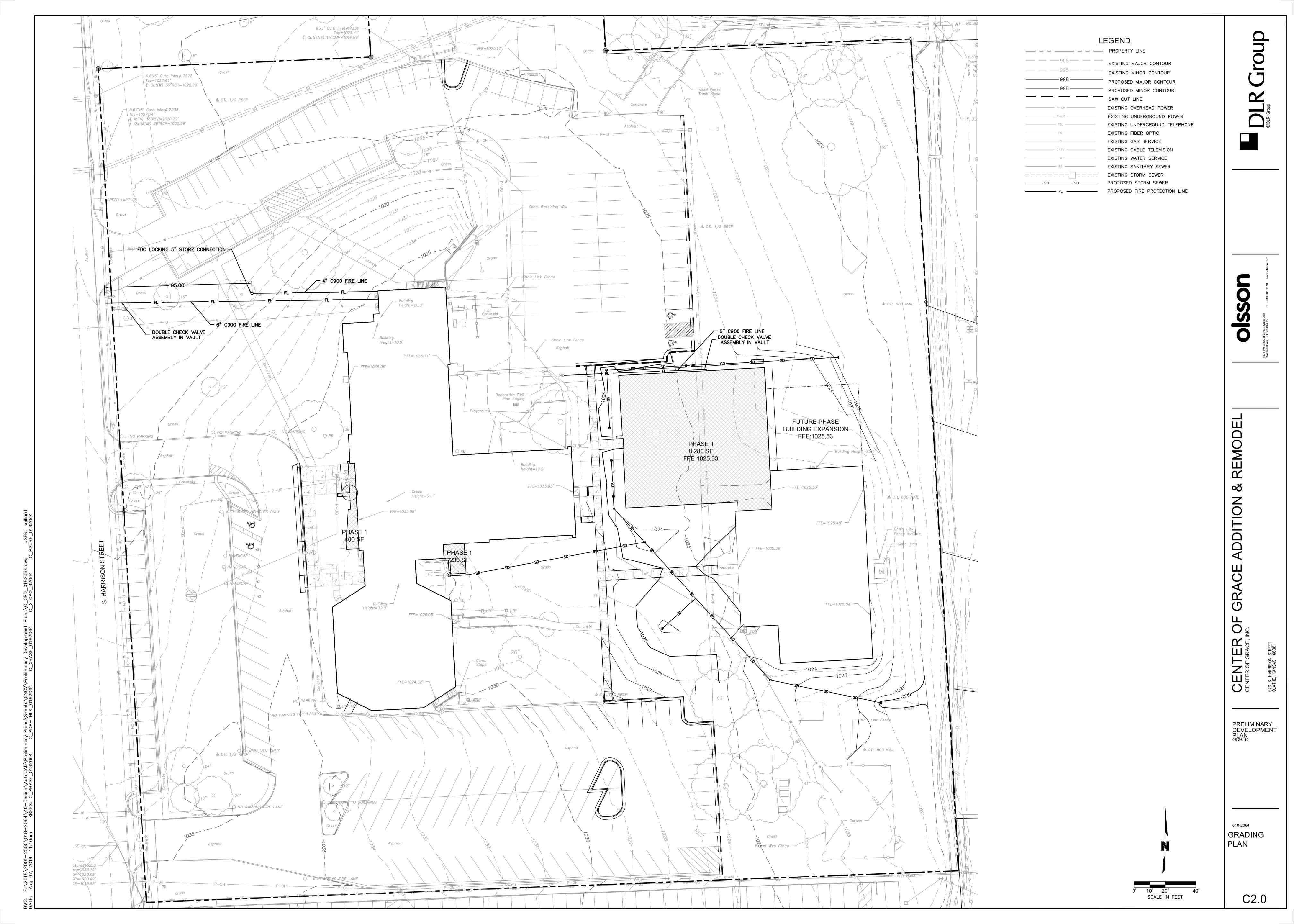
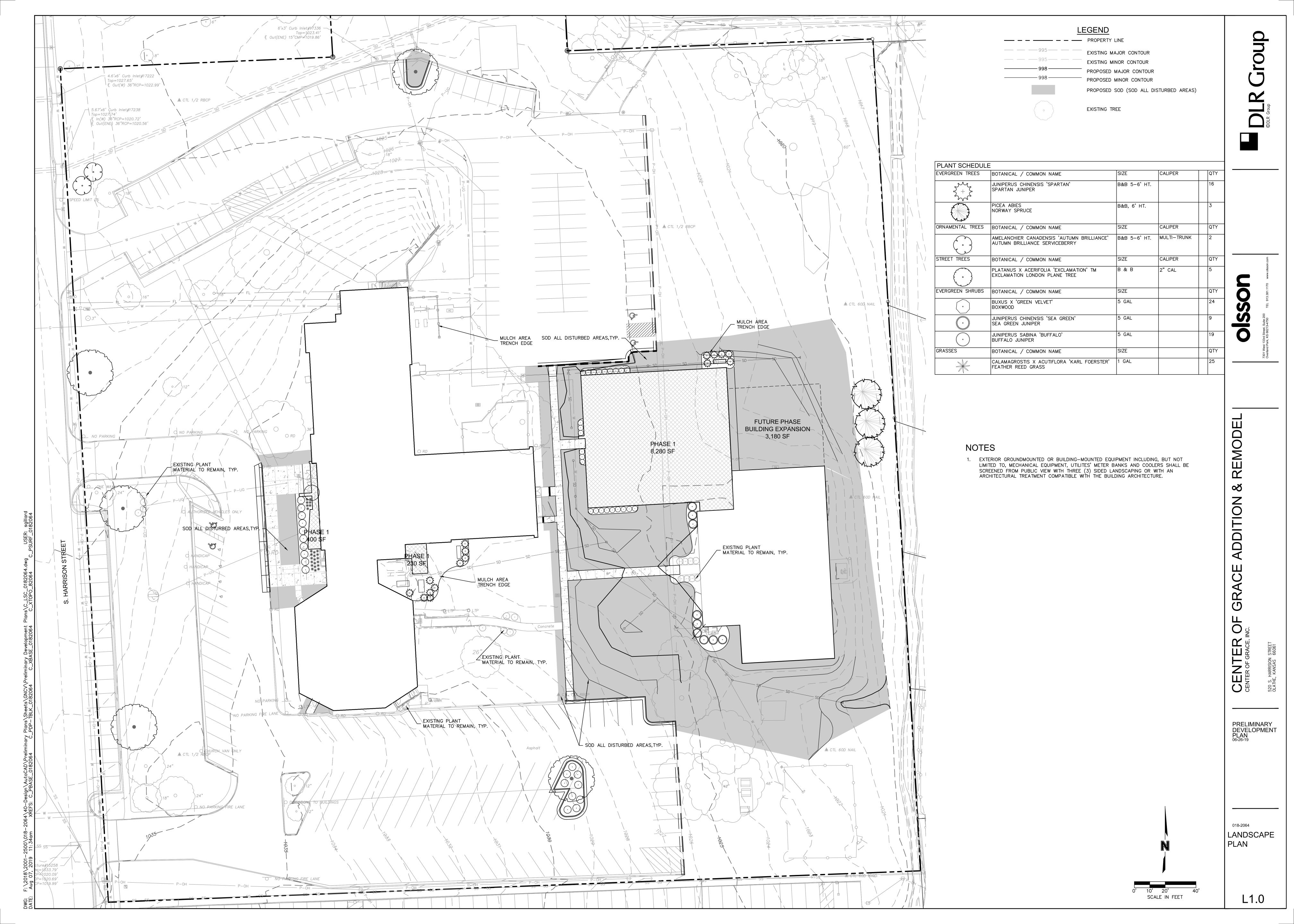


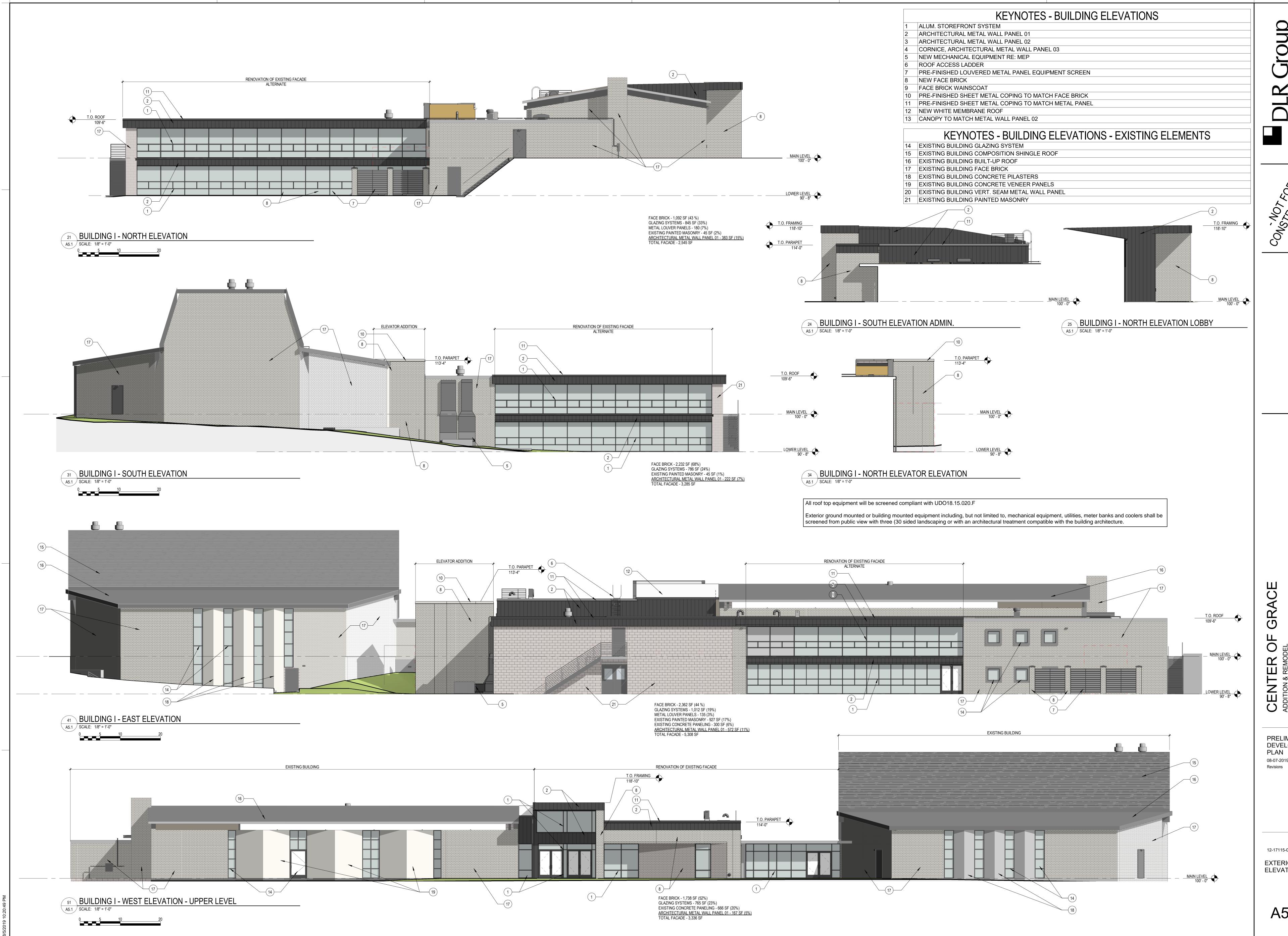
Preliminary Development Plan

C1_012-17115-00
Issue Date









PRELIMINARY DEVELOPMENT 08-07-2019

12-17115-00 **EXTERIOR ELEVATIONS**

A5.1

DIR Group

CONINOTEOR

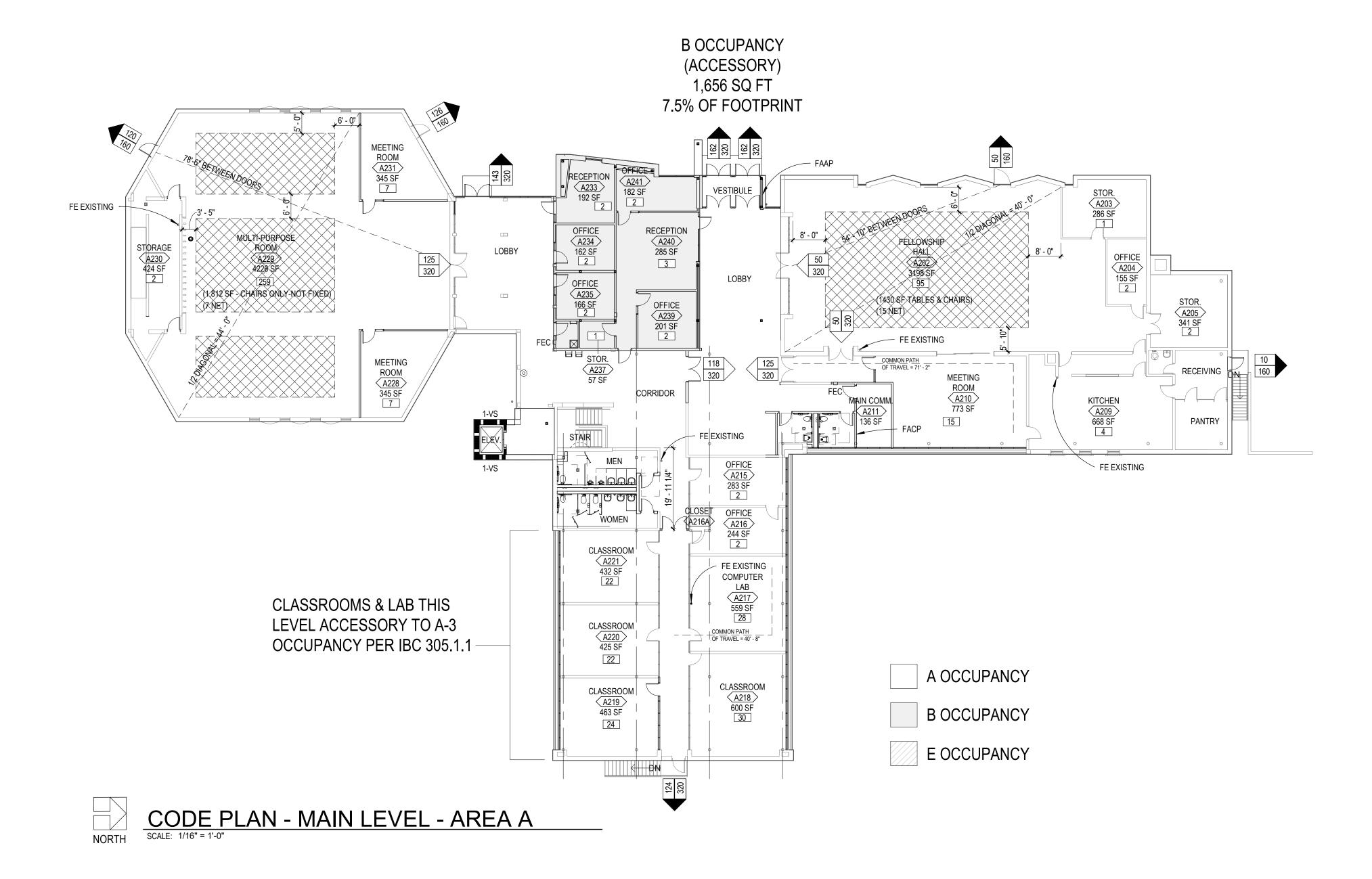
ADDITION & REMODEL

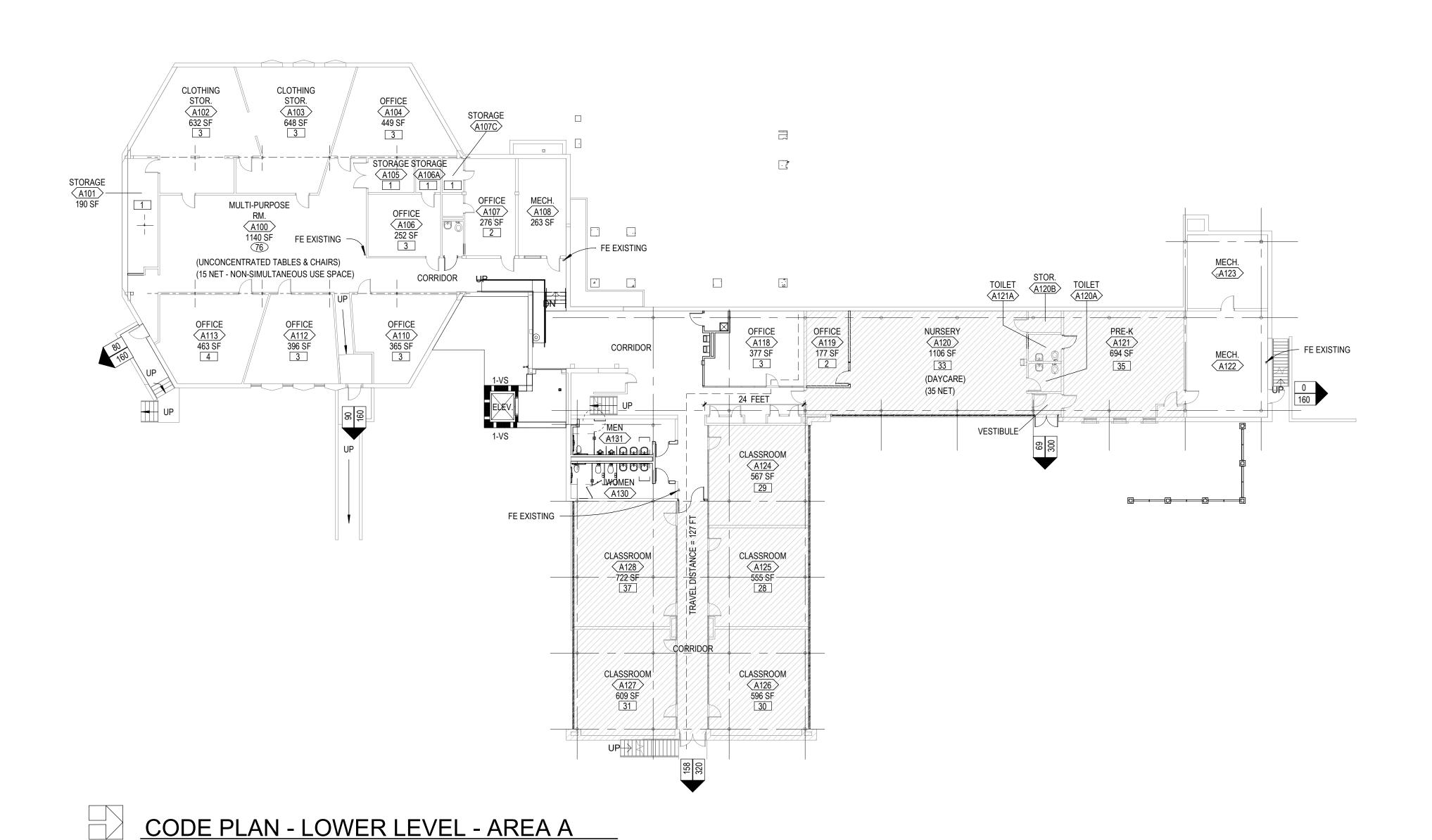
PRELIMINARY DEVELOPMENT PLAN 08-07-2019 Revisions

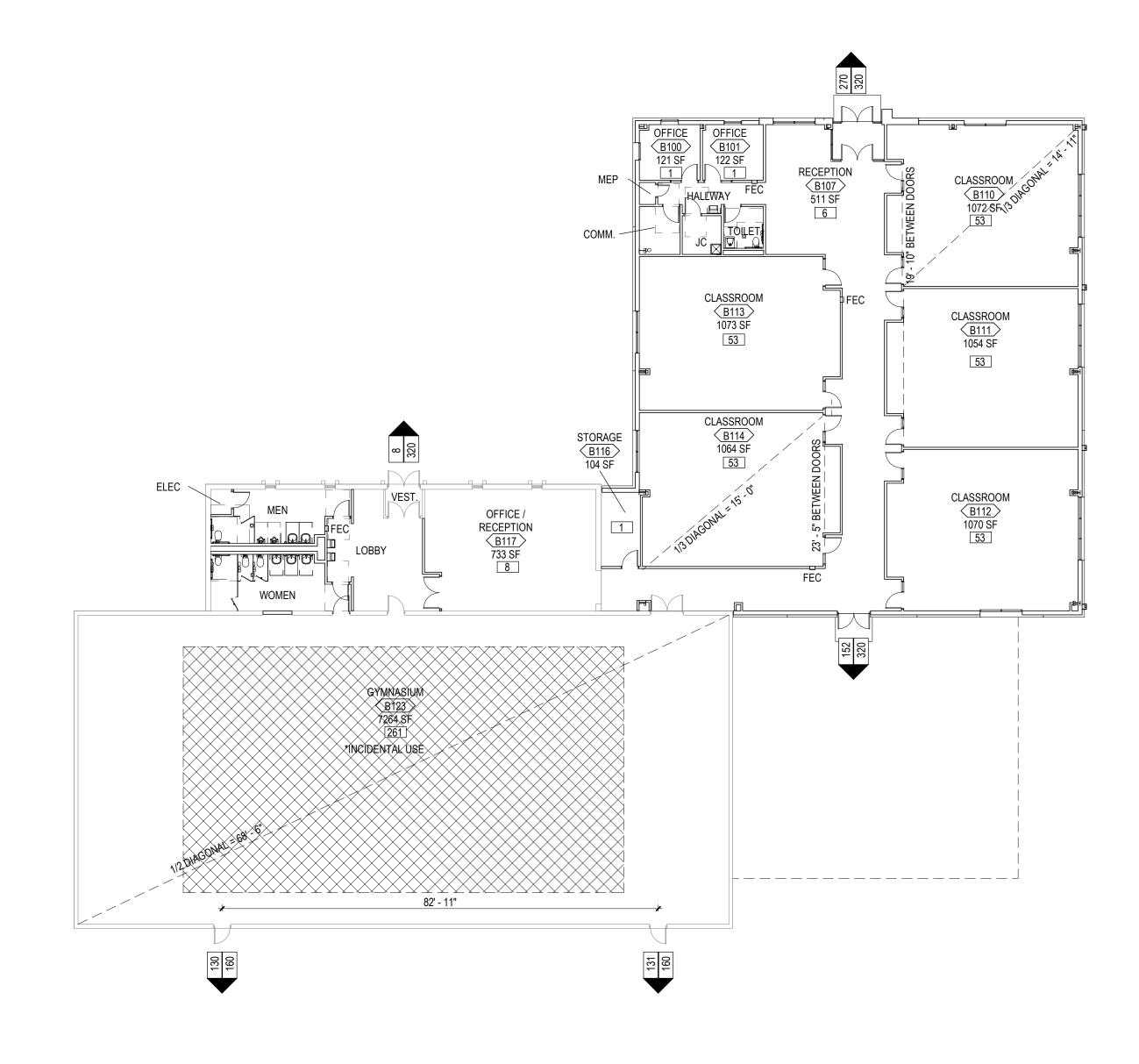
12-17115-00

EXTERIOR
ELEVATIONS

A5.2







CODE PLAN - MAIN LEVEL - AREA B SCALE: 1/16" = 1'-0"

OWNER CONTACT INFORMATION CENTER OF GRACE

CODE REVIEW SUMMARY

MINISTRY REPRESENTATIVE

NORTH

PASTOR SYLVIA ROMERO EXECUTIVE DIRECTOR

sromero@centerofgrace.center 913.764.1353

ARCHITECT CONTACT INFORMATION DLR GROUP

SCOTT PASHIA, AIA

7290 W 133RD ST., OVERLAND PARK, KS 66213 913.710.8921

RESPONDING FIRE SERVICE CITY OF OLATHE FIRE DEPARTMENT

LOCAL BUILDING CODE JURISDICTION CITY OF OLATHE

ADDITIONAL NOTES

OVERALL BUILDING CODE REVIEW -SCOPE OF WORK INVOLVES INTERIOR RENOVATIONS OF EXISTING BUILDINGS AND CONSTRUCTION OF NEW BUILDING ADDITIONS. EXTENT OF THIS WORK INCLUDES A NEW BUILDING ADDITION FOR NEW CLASSROOM/ADMIN SPACE AND A NEW BUILDING ADDITION FOR IMPROVED EGRESS/CIRCULATION. -EXISTING BUILDING IS EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM; NEW ADDITIONS WILL BE EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM

BUILDING CODES 2018 INTERNATIONAL BUILDING CODE

2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL FIRE CODE 2018 INTERNATIONAL ENERGY CODE 2017 NATIONAL ELECTRICAL CODE

BUILDING NO. 1

NON-SEPARATED MIXED USE OCCUPANCY GROUPS: A-2, A-3, B, E

BUILDING NO. 2

OCCUPANCY GROUP: E TYPE OF CONSTRUCTION: II-B

B OCCUPANCY (1,656 SQ. FT) AS ACCESSORY TO MAIN

ALLOWABLE HEIGHT & AREA

STORIES: 3

STORIES: 2 HEIGHT: 41'-0" (T.O. EXISTING SANCTUARY)

FIRE PROTECTION (TABLE 601) EXT. BEARING WALLS: 0

INT. BEARING WALLS:0 EXT. NONBEARING WALLS: 0 INT. NONBEARING WALLS: 0 FLOOR CONSTRUCTION: 0

ROOF CONSTRUCTION: 0 VERTICAL SHAFT ENCLOSURE: 1

> **OCUPANT LOAD** LOWER LEVEL: 330 MAX OCCUPANTS

MAIN LEVEL: 539 MAX OCCUPANTS TOTAL OCCUPANT LOAD: 869

PLUMBING FIXTURE COUNT (TABLE 2902.1) REQUIRED WATER CLOSET

18 (9 MALE / 9 FEMALE) LAVATORY 18 (9 MALE / 9 FEMALE) WATER FOUNTAIN 5 SERVICE SINK

PROVIDED
WATER CLOSET 18 (9 MALE / 9 FEMALE) LAVATORY 18 (9 MALE / 9 FEMALE) WATER FOUNTAIN 5 SERVICE SINK

TYPE OF CONSTRUCTION: II-B ALLOWABLE HEIGHT & AREA (TABLE 503 WITH INCREASE PER SECTION 504.3, 504.4, & 506.2)

STORIES: 1

FIRE PROTECTION

HEIGHT:

OCCUPANCY PER 508.2.3

ÀREA: 43,500 PER STORY (TABLE 503 WITH INCREASE PER SECTION 504.3, 504.4, & 506.2) STORIES: 3 AREA: 28,500 PER STORY (A-2 / A-3 ASSEMBLY) HEIGHT: 75'-0" HEIGHT: 75'-0" ACTUAL HEIGHT & AREA TOTAL AREA: 16,871 GSF

ACTUAL HEIGHT & AREA TOTAL AREA LOWER LEVEL:16,080 GSF TOTAL AREA MAIN LEVEL: 22,250 GSF TOTAL OVERALL AREA: 39,847 GSF

(TABLE 601) EXT. BEARING WALLS: 0 INT. BEARING WALLS: 0 EXT. NONBEARING WALLS: 0 INT. NONBEARING WALLS: 0 FLOOR CONSTRUCTION: 0

ROOF CONSTRUCTION: 0 **OCUPANT LOAD** 275 MAX OCCUPANTS

PLUMBING FIXTURE COUNT (TABLE 2902.1)

WATER CLOSET 1 PER 50: 6 (3 MALE / 3 FEMALE) 1 PER 50: 6 (3 MALE / 3 FEMALE) LAVATORY WATER FOUNTAIN 1 PER 100: 3 SERVICE SINK

<u>PROVIDED</u> WATER CLOSET 7 (4 MALE / 3 FEMALE) 6 (3 MALE / 3 FEMALE) LAVATORY WATER FOUNTAIN SERVICE SINK

<u>LIFE SAFETY</u>
FIRE SUPPRESSION SYSTEM, BUILDINGS ARE FULLY SPRINKLED FIRE ALARMS INSTALLED THROUGHOUT - BATTERY BACKUP FIRE EXTINGUISHERS - PER EXISTING EMERGENCY LIGHTING - PER EXISTING FIRE DEPARTMENT CONNECTIONS - PER EXISTING FIRE ALARM ANNUNCIATOR PANEL - PER EXISTING SMOKE CONTROL SYSTEM - PER EXISTING

XP = EXIT PASSAGEWAY

SYMBOL LEGEND

- OCCUPANCY LOAD

- ACCESSORY USE AREA (OCCUPANCY LOAD IS NOT INCLUDED IN LOADS BEYOND THIS ROOM)

O - COMBINED OCCUPANT LOAD AT A GIVEN DOOR OR STAIR - TOTAL EXIT CAPACITY OF DOOR OR STAIR (THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS: CLEAR OPENING WIDHT IN INCHES DIVIDED BY 0.2 THE CAPACITY OF STAIRS ARE DETERMINED AS FOLLOWS

WIDTH IN INCHES DIVIDED BY 0.3) - COMBINED OCCUPANT LOAD AT A GIVEN DOOR. (SUM OF THESE EQUALS TOTAL OCCUPANT LOAD) TOTAL EXIT CAPACITY OF DOOR

(THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS: CLEAR OPENING WIDTH IN INCHES DIVIDED BY 0.2)

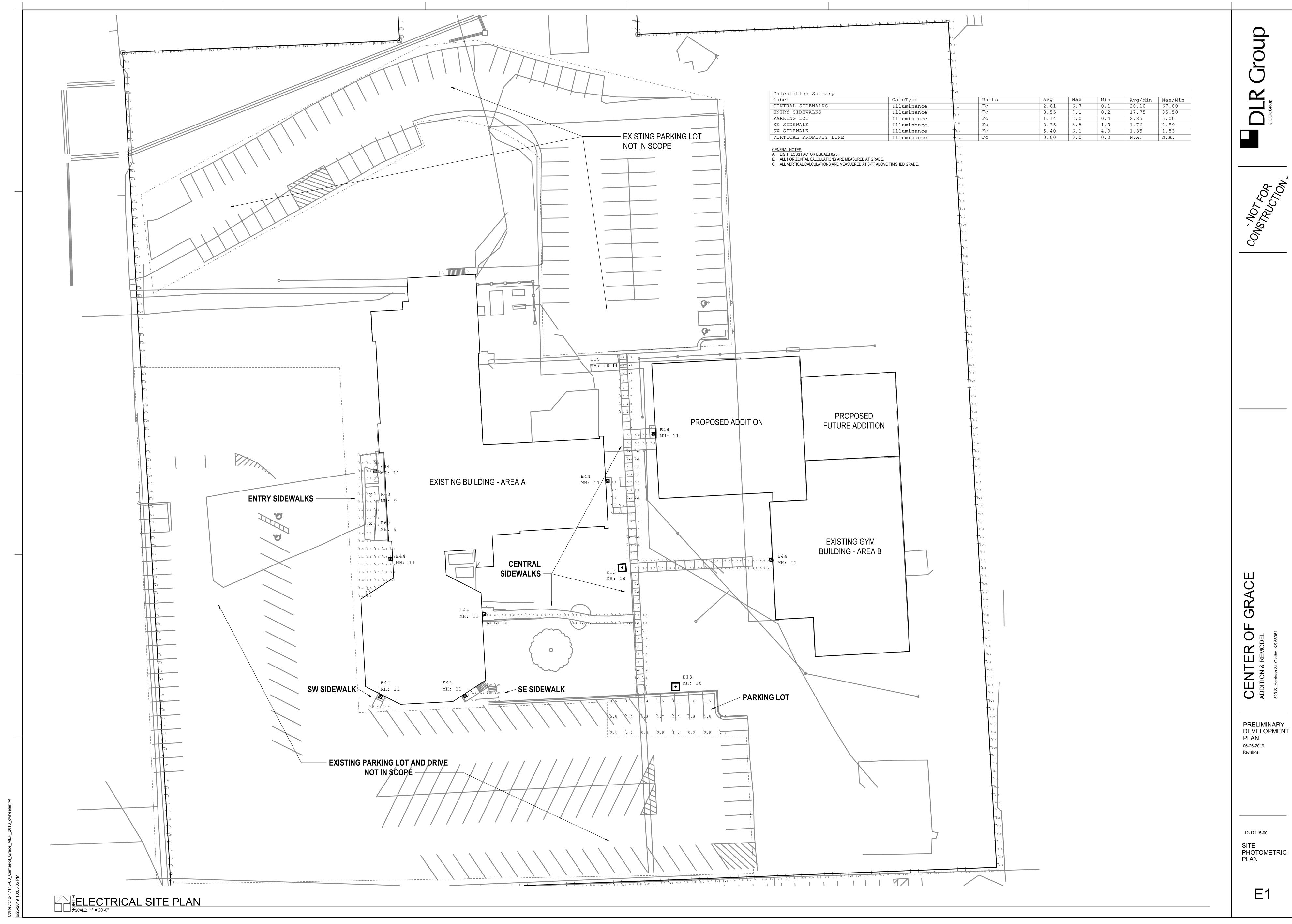
(PD) - PANIC DEVICE

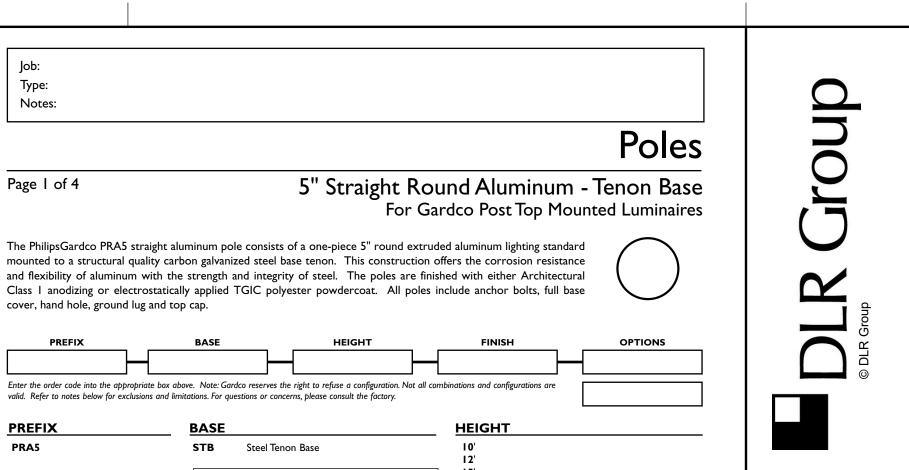
WALL SEPARATION LEGEND

WALL FIRE RATING TYPE C = CORRIDOR 0 = 0 HOUR1/2 = 1/2 HOUR EW = EXTERIOR WALL FB = FIRE BARRIER 1 = 1 HOUR 2 = 2 HOUR FP = FIRE PARTITION 3 = 3 HOUR FSB = FIRE/SMOKE BARRIER SP = SMOKE PARTITION **TRANSPORT** FW = FIRE WALL SW = SMOKE WALL HX = HORIZONTAL EXIT SB = SMOKE BARRIER VS = VERTICAL SHAFT VX = VERTICAL EXIT

XX MIN - DOOR FIRE RATING

FOR REFERENCE ONLY





BRP Bronze Paint DR Duplex Receptacle Note: DR and GFCI options replace the hand hole, and are located BLP Black Paint GFCI Ground Fault Receptacle WP White Paint VDA Vibration Dampener

Please refer to Hinged Base Pole sheet

79415-8 for specifications and dimensions.

Nipples and Couplings

Natural Anodized Indicate size (1/2", 3/4", 1", 1 1/4", 1 1/2".) Indicate height above base and orientation to hand hole. See OC Optional Color Paint Specify Optional Color or **NL** Nipple - External thread RAL ex: OC-LGP or OC-RAL7024. Special Color Paint **CL** Coupling - Internal thread Specify. Must supply color chip.

POLE INFORMATION

1611 Clovis Barker Road, San Marcos, TX 78666 (800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 sitelighting.com © 2010 Koninklijke Philips Electronics N.V. All Rights Reserved. Philips Gardco reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

G GARDCO

GWC GALLEON WALL

Mounting Options

GM=Graphite

WH=White

[BLANK]=Surface Mount

PHILIPS

POLE INFORMATION E2 NO SCALE

Page I of 4 NP Natural Aluminum Paint **BRA** Bronze Anodized **BLA** Black Anodized

Type 60,000 hours. Available in standard Gasketed and zinc plated rigid stee mounting attachment fits directly

1200mA, 800mA, and 600mA drive to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant accessible from bottom of fixture. Housing finished in super durable paint, 2.5 mil nominal thickness

1200=Drive Current Factory Set to 1200mA ⁸
F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage 10K=10kV Surge Module DIM=0-10V Dimming Leads 9, 10 DALI=DALI Driver 11 **GWC** GALLEON HA=50°C High Ambient 12 UPL=Uplight Housing ¹³
BBB=Battery Pack with Back Box ^{3,8,14,27} Solid State LED

CWB=Cold Weather Battery Pack with Back Box 3,8,14,2 P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)
R=NEMA Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle 1 AHD145=After Hours Dim, 5 Hours 16 AHD245=After Hours Dim, 6 Hours 16 AHD355=After Hours Dim, 8 Hours 16 MS-LXX=Motion Sensor for On/Off Operation ^{17, 18, 19}
MS/DIM-LXX=Motion Sensor for Dimming Operation ^{17, 18, 19} LWR-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height 19, 20 LWR-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height 19, 20, 2' L90=Optics Rotated 90° Left

R90=Optics Rotated 90° Right
MT=Factory Installed Mesh Top LCF=Light Square Trim Plate Painted to Match Housing 22 HSS=Factory Installed House Side Shield ²³ CE=CE Marking and Small Terminal Block ²⁴ Standard 4000K CCT and minimum 70 CRI.
 Two light squares with BBB or CWB options limited to 25°C, 120-277V only. Two light squales with BBD of CWB options inflied to 25°C, 120-2777 only.
 Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
 The combination of the combina Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
 Extended lead times apply. Use dedicated IES files when performing layouts. Not available with HA option.
 Cannot be used with other control options.
 Low voltage control lead brought out 18" outside fixture.
 Only available with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.
 Not available with 1200, UPL, BBB and CWB options. Available for single light square only.
 Not available with SL2, SL3, SL4, HA, BBB, CWB, R, or PER7 options.
 Operates a single light square only. Cold weather option operates -20°C to +40°C, standard 0°C to +40°C. Backbox is non-IP rated.
 Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
 Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
 The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at

CERTIFICATION DATA UL/cUL Listed LM79 / LM80 Compliant IP66 Housing ISO 9001

DesignLights Consortium® Qualified* ENERGY DATA Electronic LED Driver 0.9 Power Factor <20% Total Harmonic Distortion 20-277V 50/60Hz 347V, 480V 60Hz -40°C Min. Temperature 40°C Max. Temperature 50°C Max. Temperature (HA Option) SHIPPING DATA

Approximate Net Weight: 27 lbs. (12.2 kgs.)

27. Control option limited to P=Button Type Photocontrol (must specify voltage).

17. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.

18. Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices.

s. Includes inlegial processings.

D. Luma/Watt wireless sensors are factory installed requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information.

E2 NO SCALE E2 NO SCALE E13 - PHOTOMETRIC SUMMARY E15 - PHOTOMETRIC SUMMARY LIGHT FIXTURE SCHEDULE MANUFACTURER **CATALOG NUMBER** DESCRIPTION **PARAMETERS** CONTROL OLOR TEMP. AREA LIGHT - PEDESTRIAN SCALE ACUITY (LITHONIA) 4000K DISTRIBUTION: E12=TYPE II, E13=TYPE III, E14=TYPE IV, E15=TYPE V FATON (McGRAW FDISON) GI FON-AF-* E14 HUBBELL (BEACON) LUMENS (MIN): 0-10V TO 10% POLE DIE-CAST ALUMINUM FRAME AND HEAT SINK, IP65 RATED E15 PHILIPS (GARDCO) 15' ROUND MAX. BUG RATINGS: TYPE II/III/IV = B2-U0-G2 VA (MAX): USEFUL LIFE 50,000 HRS @L70 STRAIGHT STEEL FINISH: NATURAL ALUMINUM OLOR TEMP.: 4000K EXTERIOR WALL PACK DISTRIBUTION E42=TYPE II, E43=TYPE III, E44=TYPE IV ATON (McGRAW EDISON LUMENS (MIN): DIE-CAST ALUMINUM FRAME AND HEAT SINK, IP65 RATED E44 HUBBELL (BEACON) 5.300 0-10V TO 10% 12' AFF PHILIPS (GARDCO LPW (MIN): MAX. BUG RATINGS: TYPE II = B2-U0-G2, TYPE III/IV = B1-U0-G2 VA (MAX): UNO ON PLANS USEFUL LIFE 50,000 HRS @L70 FINISH: NATURAL ALUMINUM 6-INCH DOWNLIGHT SELF-FLANGED SEMI-SPECULAR FINISHING TRIM FATON (PORTFOLIO HUBBELL (PRESCOLITE) LUMENS (MIN): 0-10V TO 10% SM/H RATIO OF 1.0 MIN. PHILIPS (LIGHTOLIER) LPW (MIN): USEFUL LIFE 60,000 HRS @L70 VA (MAX): LIGHT FIXTURE SCHEDULE NOTES ABBREVIATIONS: A. FIXTURE MANUFACTURERS ARE LISTED ALPHABETICALLY AND NOT ACCORDING TO BASIS OF DESIGN. AC:ALTERNATING CURRENT B. PROVIDE UNITS MEETING FIXTURE SCHEDULE DESCRIPTION AND SPECIFICATION REQUIREMENTS. THE FIXTURE CATALOG NUMBER IS NOT COMPLETE; USE ONLY AS A GUIDELINE. CLG:CEILING C. LUMEN VALUES IN KEY PARAMETERS COLUMN ARE MINIMUM DELIVERED LUMENS, INCLUDING OPTIONS AND ACCESSORIES. CRI:COLOR RENDERING INDEX D. DELIVERED LUMENS SHALL NOT EXCEED 25% OF MINIMUM VALUES. ETD:EMERGENCY TRANSFER DEVICE E. ALL FIXTURES SHALL BE PAINTED AFTER FABRICATION. FC:FOOTCANDLES FT:FOOT

1. CIRCUIT FOR CONTINUOUS POWER UNLESS NOTED OTHERWISE (DO NOT TAP OFF SWITCHLEGS), WALL OR CEILING MOUNT AS INDICATED ON PLANS. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS. 2. WALL MOUNTING HEIGHT SHALL BE 6" ABOVE TOP OF ADJACENT DOOR FRAME OR 7'-10" WHERE NO DOOR OR SOFFIT IS BELOW SIGN. UNLESS NOTED OTHERWISE ON DRAWINGS. 3. PROVIDE MOUNTING HARDWARE AS REQUIRED TO RIGIDY PENDANT MOUNT FIXTURE ACCORDING TO MANUFACTURER RECOMMENDATIONS AND HEIGHT INDICATED ON PLANS. NO HOOKS. 4. CONTROL SEQUENCE: TIMECLOCK/PHOTOCELL RELAY-BASED CONTROLS SHALL PERFORM BASIC ON/OFF FUNCTION. BMS INPUT TO RELAY PANELS SHALL ESTABLISH AND CONTROL OCCUPIED/UNOCCUPIED ON/OFF MODE. FIXTURE SHALL MAINTAIN FULL BRIGHTNESS IN OCCUPIED MODE. WIRELESS CONTROL SYSTEM SHALL INDICATE TO FIXTURES THAT WHEN IN UNOCCUPIED MODE, INTEGRAL INFRARED OCCUPANCY SENSORS AT EACH FIXTURE SHALL REDUCE OUTPUT BY 50% AFTER 15 MINUTES OF INACTIVITY. PROVIDE ADDITIONAL CONTROLS COMPONENTS, INCLUDING WIRELESS TRANSMITTER AND ASSOCIATED SOFTWARE, INTEGRAL COMMUNICATION ND OCCUPANCY SENSING DEVICES AND FIXTURE/POLE PROVISIONS AT EACH HEAD AS REQUIRED TO ACCOMMODATE CONTROL SEQUENCE. IF OWNER CHOSES TO DISABLE LIGHTS IN UNOCCUPIED MODE, PROGRAM CONTROLS ACCORDINGLY (DISABLE OCCUPANCY SENSORS). 5. PEDESTAL STANCHION MOUNT ON CONCRETE BASE PER MANUFACTURER'S RECOMMENDATION.

(Type III)

McGraw-Edison page 4

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 slide

into place on the adapter and is

secured via two screws, facilitating

guick and easy installation. The

versatile, patent pending, quick

mount arm accommodates

multiple drill patterns ranging

from 1-1/2" to 4-7/8". Removal

of the door on the guick mount

round pole mounting.

arm enables wiring of the fixture

without having to access the drive

compartment. A knock-out enables

Housing finished in super durable

TGIC polyester powder coat paint

superior protection against fade

and wear. Heat sink is powder

coated black. Standard housing

white, dark platinum and graphite

metallic. RAL and custom color

matches available.

Five-year warranty

DRILLING PATTERN

7/8" [22mm]

TYPE "N"

Warranty

colors include black, bronze, grev

Date

GLEON

GALLEON LED

1-10 Light Squares

AREA/SITE LUMINAIRE

umenSafe Techno CLICK HERE

CERTIFICATION DATA 3G Vibration Rated

UL/cUL Wet Location Listed

20% Total Harmonic Distortion

50°C Max. Temperature (HA Option)

ENERGY DATA

20V-277V 50/60Hz 347V, 480V 60Hz

0°C Min. Temperature

10°C Max. Temperature

Electronic LED Driver 0.9 Power Factor

DesignLights Consortium® Qualified*

Solid State LED

Nominal Power (Watts)

Input Current @ 120V (A)

Input Current @ 208V (A)

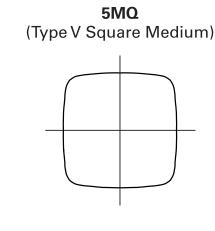
Input Current @ 240V (A)

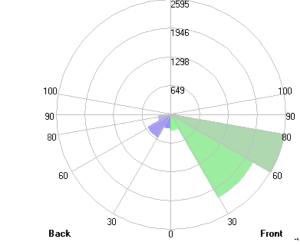
Input Current @ 277V (A)

nput Current @ 347V (A)

SLL/SLR 3000K Lumens

3000K Lumens





GLEON GALLEON LED

1 2 3 4 5 6 7 8 9 10

1.16 | 1.78 | 2.31 | 2.94 | 3.56 | 4.09 | 4.71 | 5.34 | 5.87

0.63 0.93 1.27 1.57 1.87 2.22 2.52 2.8 3.14

67 | 129 | 191 | 258 | 320 | 382 | 448 | 511 | 575 | 640

 0.29
 0.55
 0.80
 1.10
 1.35
 1.61
 1.93
 2.18
 2.41
 2

 0.25
 0.48
 0.70
 0.96
 1.18
 1.39
 1.69
 1.90
 2.09
 2

 0.20
 0.39
 0.57
 0.78
 0.96
 1.15
 1.36
 1.54
 1.72
 1.

 0.15
 0.30
 0.43
 0.60
 0.73
 0.85
 1.03
 1.16
 1.28
 1.

6,489 12,681 18,919 25,000 30,974 37,066 43,836 49,668 55,405 61,341

7.285 | 14.238 | 21.246 | 28.072 | 34.780 | 41.621 | 49.221 | 55.770 | 62.212 | 68.878

6.888 13.462 20.087 26.541 32.884 39.351 46.537 52.729 58.819 65.122

B1-U0-G1 B2-U0-G2 B2-U0-G3 B3-U0-G3 B3-U0-G4 B3-U0-G4 B3-U0-G4 B3-U0-G5 B4-U0-G5 B4-U0-G5

B1-U0-G2 | B2-U0-G2 | B3-U0-G3 | B3-U0-G4 | B3-U0-G4 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5 | B4-U0-G5

6,761 13,212 19,713 26,046 32,272 38,619 45,673 51,750 57,726 63,911

B1-U0-G2 B2-U0-G2 B2-U0-G3 B3-U0-G4 B3-U0-G4 B3-U0-G5 B3-U0-G5 B3-U0-G5 B4-U0-G5 B4-U0-G5

6,652 | 12,999 | 19,397 | 25,629 | 31,754 | 37,999 | 44,938 | 50,917 | 56,797 | 62,885

B1-U0-G2 | B2-U0-G3 | B2-U0-G4 | B3-U0-G4 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B3-U0-G5 | B4-U0-G5 | B4-U0-G5

12,831 19,146 25,297 31,344 37,508 44,358 50,260

13,571 20,249 26,756 33,152 39,671 46,917 53,160 59,298

13,388 19,977 26,396 32,704 39,137 46,283 52,444 58,498

B1-U0-G2 B2-U0-G3 B3-U0-G3 B3-U0-G4 B3-U0-G5 B4-U0-G5 B4-U0-G5 B4-U0-G5 B4-U0-G5

6.612 | 12,922 | 19,281 | 25,477 | 31,567 | 37,774 | 44,673 | 50,618 | 56,463 | 62,514

B1-U0-G2 B2-U0-G3 B2-U0-G3 B3-U0-G4 B3-U0-G5 B3-U0-G5 B3-U0-G5 B3-U0-G5 B4-U0-G5 B4-U0-G5

13,329 19,888 26,279 32,558 38,962 46,077 52,208 58,237

B3-U0-G1 | B3-U0-G2 | B4-U0-G2 | B4-U0-G2 | B5-U0-G2 | B5-U0-G3 | B5-U0-G3 | B5-U0-G4 | B5-U0-G4 | B5-U0-G4

7,347 | 14,356 | 21,423 | 28,306 | 35,071 | 41,969 | 49,632 | 56,237 | 62,730 | 69,454

6,947 | 13,573 | 20,254 | 26,762 | 33,158 | 39,680 | 46,925 | 53,170 | 59,309 | 65,667

B3-U0-G1 B4-U0-G2 B4-U0-G2 B5-U0-G3 B5-U0-G4 B5-U0-G4 B5-U0-G4 B5-U0-G5 B5-U0-G5 B5-U0-G5

7,366 | 14,396 | 21,480 | 28,381 | 35,164 | 42,080 | 49,765 | 56,386 | 62,898 | 69,639

11,355 16,944 22,388 27,739 33,194 39,256 44,479 49,617

4000K/5000K Lumens 7,149 13,970 20,846 27,543 34,126 40,837 48,295 54,722 61,042 67.582

4000K/5000K Lumens 7,175 14,021 20,921 27,643 34,249 40,986 48,470 54,920 61,262 67,828

B1-U0-G2 B2-U0-G3 B2-U0-G3 B3-U0-G4 B3-U0-G4 B3-U0-G5 B3-U0-G5 B3-U0-G5 B3-U0-G5 B3-U0-G5

6.760 | 13.208 | 19.709 | 26.041 | 32.264 | 38.610 | 45.661 | 51.738 | 57.713 | 63.897

B3-U0-G1 B3-U0-G2 B4-U0-G2 B4-U0-G2 B5-U0-G3 B5-U0-G3 B5-U0-G4 B5-U0-G4 B5-U0-G4 B5-U0-G4

6,784 | 13,256 | 19,780 | 26,136 | 32,381 | 38,750 | 45,827 | 51,925 | 57,922 | 64,129

B1-U0-G1 B2-U0-G2 B2-U0-G2 B3-U0-G3 B3-U0-G3 B3-U0-G3 B3-U0-G3 B3-U0-G4 B4-U0-G4

12,658 18,888 24,957 30,920 37,003 43,759 49,584 55,308 61,235

13,668 20,394 26,947 33,388 39,953 47,249 53,537 59,720 66,119

4000K/5000K Lumens 7,150 13,973 20,850 27,549 34,134 40,846 48,307 54,734 61,056

4000K/5000K Lumens 7,036 13,748 20,515 27,107 33,586 40,191 47,530 53,854 60,074 66,512

B1-U0-G2 B2-U0-G2 B3-U0-G3 B3-U0-G4 B3-U0-G4 B3-U0-G4 B4-U0-G5 B4-U0-G5 B4-U0-G5 B4-U0-G5

ORDERING INFORMATION

7030=70 CRI 3000K 13

7050=70 CRI 5000K1

7060=70 CRI 6000K 13

600=Drive Current Factory Set to Nominal 600mA

DIM=External 0-10V Dimming Leads 19, 20

AHD245=After Hours Dim. 6 Hours 22

AHD355=After Hours Dim, 8 Hours 2

R90=Optics Rotated 90° Right

MT=Factory Installed Mesh Top

LCF=Light Square Trim Plate Painted to Match Housing 31

R=NEMA Twistlock Photocontrol Receptacle ²¹
AHD145=After Hours Dim, 5 Hours ²²

800=Drive Current Factory Set to Nominal 800mA 15

F=Single Fuse (120, 277 or 347V. Must Specify Voltage)

P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage)
PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ²¹

MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height ^{24,25}

MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) 24.2

MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{24, 26} MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{24, 26}

MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height ^{22, 27, 29}
MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) ^{24, 28, 29}

LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height 3

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Consult LumenSafe system pages for additional details and compatibility

Camera Type

D=Dome Camera, Standard

H=Dome Camera, Hi-Res

MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) 24, 2

MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height 24.2

MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height 24, 26

MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height 24,27

MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height ^{24, 25, 28} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height ^{24, 26, 29}

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Current **02**=2 **03**=3 **04**=4

Light Engine of Light Lamp Type

Light Emitting Diodes

347=347V 7

T2R=Type II Roadway

T3=Type III T3R=Type III Roadway

T4W=Type IV Wide

5NQ=Type V Narrow

NOTES:

1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. 2 DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 3 Standard 4000K CCT and minimum 70 CRI. 4 Not compatible with MS/4-LXX or MS/1-LXX sensors. 5 Not compatible with sensor do to compatible with sensor at 1200mA. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. 8 Only for use with 480V Wys systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 9 May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. 10 Factory installed. 11 Maximum 8 light squares. 12 Maximum 6 light squares.

13 Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 14 Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. 15 Not available with HA option. 17 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required menunting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. 18 Not available with LumaWatt Pro wireless sensors. 19 Cannot be used with other control options. 20 Low voltage control lead brought out 18° outside fixtur

C=Cellular, Customer Installed SIM Card

S=Cellular, Factory Installed Sprint SIM Card

A=Cellular, Factory Installed AT&T SIM Card E=Ethernet Networking

T4FT=Type IV Forward Throw

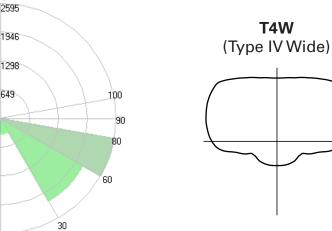
5WQ=Type V Square Wide

SL4=Type IV w/Spill Control

SLR=90° Spill Light Eliminator Righ

RW=Rectangular Wide Type I

SL2=Type II w/Spill Contro SL3=Type III w/Spill Control



DESCRIPTION The Galleon™ Wall LED luminaire's appearance is complementary with

applications.

Construction

SPECIFICATION FEATURES

Driver enclosure thermally

isolated from optics for optimal

wall aluminum housing die-cast

with integral external heat sinks

thermal performance. Heavy

GLEON GALLEON LED

Square Pole

(Standard Length) 1

(Extended Length)

TD500020EN

MA=Mast Arm Adapter 1

QM=Quick Mount Arm

WM=Wall Mount

GM=Graphite Metallic

OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V

MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon

MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon

MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon

MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Teno

MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon

MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon

MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon

MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon

GLEON-QMEA=Quick Mount Extended Arm Kit 12

FSIR-100=Wireless Configuration Tool for Occupancy Sensor ² GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares

GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares

LS/HSS=Field Installed House Side Shield ^{32, 34}
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin) ³⁵

GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares

OA/RA1027=NEMA Photocontrol - 480V

OA/RA1013=Photocontrol Shorting Cap

GLEON-QM=Quick Mount Arm Kit 1

OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement

the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting

1A drive current and optional

McGraw-Edison lumen maintenance expected at

TGIC polyester powder coat

for superior protection against

fade and wear. Standard colors

white, dark platinum and graphit

metallic. RAL and custom color

matches available. Consult the

Colors brochure for the complete

McGraw-Edison Architectural

Warrantv

Five-year warranty.

include black, bronze, grey,

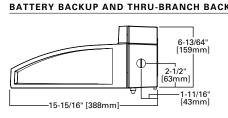
to provide superior structural rigidity and an IP66 rated housing. LED drivers are mounted for ease black oxide coated allen head set Overall construction passes a 1.5G of maintenance. 120-277V 50/60Hz, screws which are concealed but vibration test to ensure mechanical 347V or 480V 60Hz operation. integrity. UPLIGHTING: Specify 480V is compatible for use with with the UPL option for inverted 480V Wye systems only. Drivers mount uplight housing with are provided standard with 0-10V additional protections to maintain dimming. An optional Eaton IP rating. proprietary surge protection module is available and designed to withstand 10kV of transient Choice of thirteen patented, highline surge. The Galleon Wall efficiency AccuLED Optics. The LED luminaire is suitable for optics are precisely designed to operation in -40°C to 40°C ambient shape the distribution maximizing environments. For applications efficiency and application spacing. with ambient temperatures AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in environments and occupancy 4000K (+/- 275K) CCT and minimum sensor available.

70 CRI Ontional 3000K 5000K and 6000K CCT. Greater than 90%

exceeding 40°C, specify the HA (High Ambient) option. Emergency selection. egress options for -20°C ambient

6-1/2" [164mm] 15-11/16" [400mm] ______ 12-1/8" [308mm] _____ HOOK-N-LOCK MOUNTING





Sample Number: GWC-AF-02-LED-E1-T3-GM

7030=70 CRI / 3000K

8030=80 CRI / 3000K 7050=70 CRI / 5000K

7060=70 CRI / 6000K ⁷ **600**=Drive Current Factory Set to 600mA

800=Drive Current Factory Set to 800mA

Product Family 1 Light Engine Number of

Current 02=2

Light Emitting Diodes 347=347V 4 T3=Type III T4FT=Type IV

T4W=Type IV Wide

SL2=Type II w/Spill Control

SL3=Type III w/Spill Control

SL4=Type IV w/Spill Control

RW=Rectangular Wide Type I 5NQ=Type V Square Narrow

5MQ=Type V Square Medium

SLR=90° Spill Light Eliminator Right

OA/RA1201=NEMA Photocontrol - 347V

OA/RA1027=NEMA Photocontrol - 480V

MA1252=10kV Circuit Module Replacemen

OA/RA1013=Photocontrol Shorting Cap OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V

MA1059XX=Thru-branch Back Box (Must Specify Color

WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin) 2

FSIR-100=Wireless Configuration Tool for Occupancy Sensor 1

signLight Consortium® Qualied. Refer to www.designlights.org Qualified Products List under Family Models for details.

fronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.

2. Not available with HSS option. 3. Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected. 4. CE is not available with the 1200, DALI, LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.

One required for each light square.
 Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.

INC.:INCANDESCENT

MTD:MOUNTED O.C.:ON-CENTER

LPW:LUMENS PER WATT

M.H.:MOUNTING HEIGHT

PAF-PAINT AFTER FABRICATION

UNV:UNIVERSAL VOLTAGE

VA:VOLT-AMPERE

W/O:WITHOUT

SM/H:SURFACE-TO-MOUNTING-HEIGHT RATIO

DESCRIPTION

SPECIFICATION FEATURES

Extruded aluminum driver

enclosure thermally isolated from

Light Squares for optimal thermal

performance. Heavy-wall, die-

housing and die-cast aluminum

superior structural rigidity. 3G

tool-less hardware available

Patented, high-efficiency

injection-molded AccuLED

Optics technology. Optics are

precisely designed to shape

the distribution maximizing

efficiency and application spacing.

AccuLED Optics create consistent

distributions with the scalability

to meet customized application

requirements. Offered standard

in 4000K (+/- 275K) CCT 70 CRI.

DIMENSION DATA

9-10

FAT•N

Optional 3000K, 5000K and 6000K

for ease of entry into electrical

chamber. Housing is IP66 rated.

heat sinks. A unique, patent

cast aluminum end caps enclose

pending interlocking housing and

heat sink provides scalability with

Construction

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design, Patented, high-efficiency AccuLED

applications. IP66 rated and UL/cUL Listed for wet locations.

Optics™ system provides uniform and energy conscious illumination to

walkways, parking lots, roadways, building areas and security lighting

vibration tested and rated. Optional surge. The Galleon LED luminaire

Electrical

LED drivers are mounted to

removable tray assembly for ease

of maintenance. 120-277V 50/60Hz,

480V is compatible for use with

with 0-10V dimming. Shipped

withstand 10kV of transient line

is suitable for operation in -40°C

to 40°C ambient environments.

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

STANDARD ARM MOUNT:

(nominal).

33-3/4" 7" 16" 63 (857mm) (178mm) (406mm) (28.6 kgs.)

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA

drive current and optional 600mA,

Extruded aluminum arm includes

easy positioning of fixture during

120° apart, the EA extended arm

____21-3/4" [553mm] ___

internal bolt guides allowing for

mounting. When mounting two

or more luminaires at 90° and

may be required. Refer to the

800mA and 1200mA drive currents 2.5 mil nominal thickness for

For applications with ambient

temperatures exceeding 40°C

standard with Eaton proprietary

circuit module designed to

347V 60Hz or 480V 60Hz operation.

480V Wye systems only. Standard

PHOTOMETRIC

PRELIMINARY

PLAN

Revisions

06-26-2019

12-17115-00

DETAILS

DEVELOPMENT