

DPL-17.1 | SCALE: 1" = 20' 0"

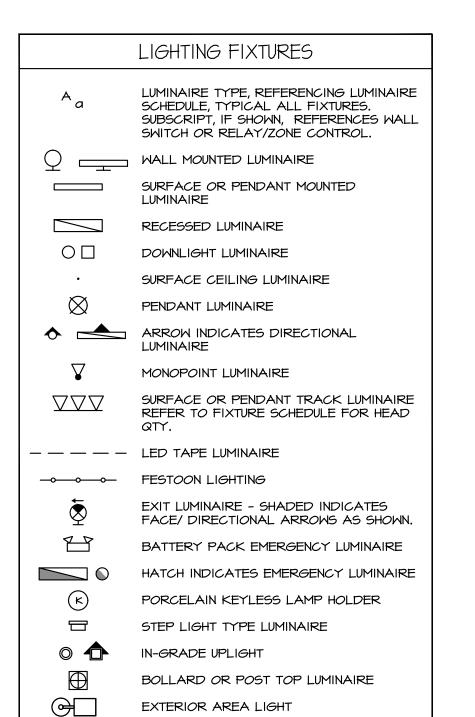
POINT ILLUMINANCE SUMMARY:
 AVERAGE (fc)
 MAX (fc)
 MIN (fc)

 0.75
 8.4
 0.0

> GENERAL NOTES A. ALL SITE LIGHTING RELATED TO WORK AND MATERIALS SHALL COMPLY WITH CITY. COUNTY AND OTHER APPLICABLE GOVERNING AUTHORITY REQUIREMENTS. B. ALL LIGHT FIXTURES SHALL BE ORIENTED SUCH THAT THEIR DISTRIBUTION CENTERLINE IS ORTHOGONAL TO THE TANGENT LINE OF THE CURB/WALL BELOW. C. ALL BUILDING-MOUNTED AND POLE-MOUNTED LIGHTING SHALL BE DIRECTED DOWNWARD. ALL LIGHT SOURCES SHALL BE FULLY SHIELDED SO THE LIGHT SOURCE IS NOT VISIBLE FROM ADJACENT PROPERTIES AND PUBLIC RIGHTS-OF-WAY, AND TO PREVENT GLARE. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL LIGHTING FIXTURE MOUNTING HEIGHTS AND OVERALL FIXTURE HEIGHTS. FIXTURE MOUNTING HEIGHTS DETERMINED FROM PLATFORM LEVEL/GRADE ELEVATION. PHOTOMETRIC CALCULATION POINTS AT FIXTURE ARE CALCULATED AT O-O" ABOVE GRADE ELEVATION. SEE LIGHTING FIXTURE

	KEYNOTE LEGEND						
KEY VALUE							
\Diamond							
1.	TYPE 'EDI' AND 'EDIEM' SURFACE MOUNTED DOWNLIGHT FIXTURE SHALL BE MOUNTED TO UNDERSIDE OF TERMINAL CANOPY STRUCTURE AND DIRECTED DOWNWARD.						
2.	NORTH PROPERTY LINE LOCATED AT THE NORTH SIDE OF NEW PLATFORM STRUCTURE. NEW LIGHTING HAS BEEN PROVIDED TO MINIMIZE LIGHTING TRESPASS ACROSS SHARED PROPERTY LINE WHILE PROVIDING ADEQUATE LIGHTING FOR PLATFORM AREA SAFETY						

SCHEDULE FOR ADDITIONAL INFORMATION.



AE DESIGN Integrated Lighting and Electrical Solutions 1900 Wazee Street #205 | Denver, CO 80202 | 303.296.3034

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Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the architect. Failure to notify the architect compounds nisunderstanding and increases construction costs. A failure to cooperate by a simple notice to the architect shall relieve the architect from responsibility for the consequences. Changes made from the plans without consent of the architect are unauthorized and shall relieve the architect of responsibility for all consequences arriving out of such changes.

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REVISIONS

9/17/2

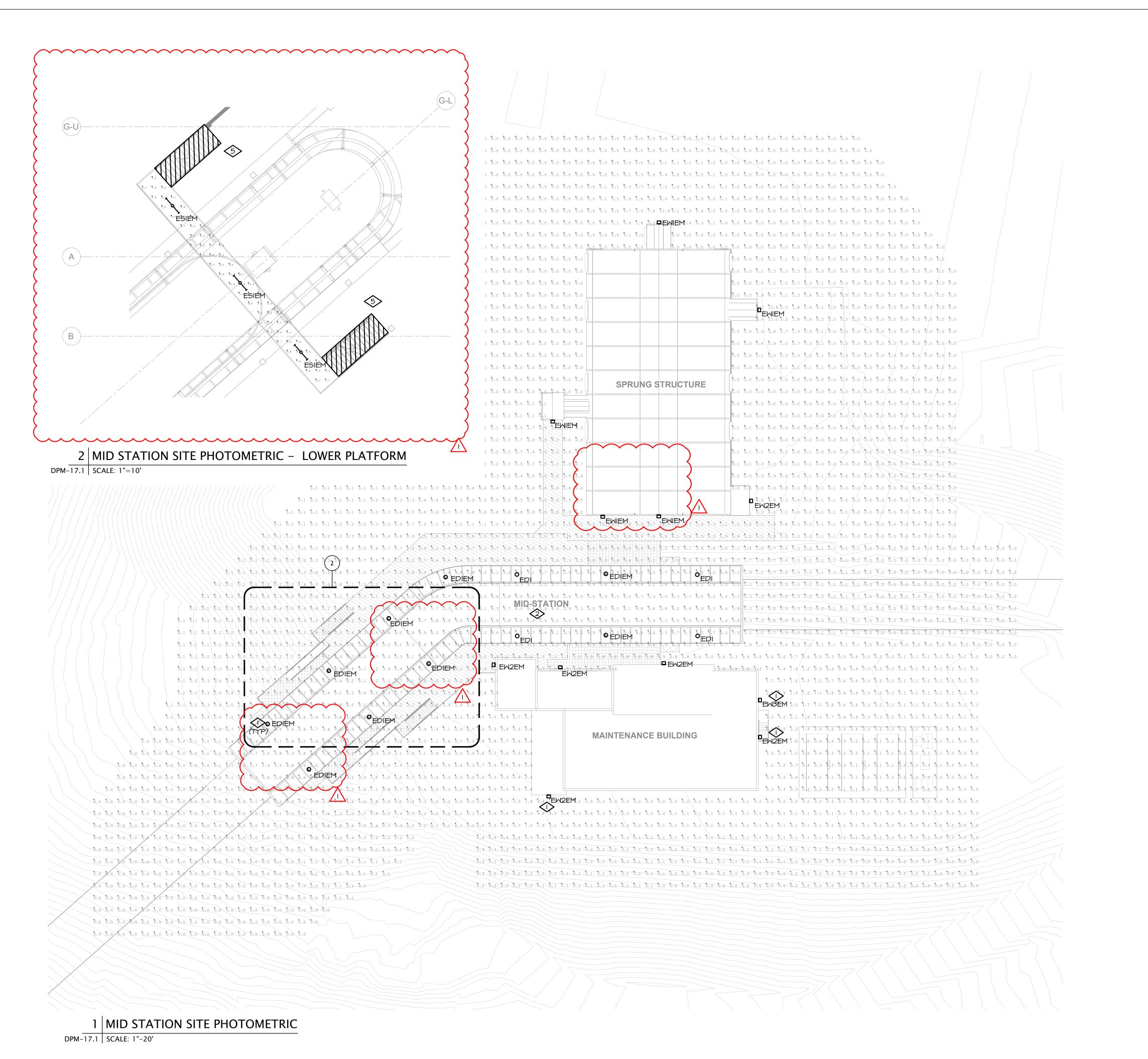
SUBMIT

Job Number: Date: SPM **Drawn By:** Checked By:

Project Phase PLANNING SUBMITTAL

Sheet Title LOWER STATION SITE PHOTOMETRIC

Sheet Number



POINT ILLUMINANCE SUMMARY: AVERAGE (fc)|MAX (fc)| MIN (fc 4.99 17.4

GENERAL NOTES

ALL SITE LIGHTING RELATED TO WORK AND MATERIALS SHALL COMPLY WITH CITY, COUNTY AND OTHER APPLICABLE GOVERNING AUTHORITY REQUIREMENTS.

B. | ALL LIGHT FIXTURES SHALL BE ORIENTED SUCH THAT THEIR DISTRIBUTION CENTERLINE IS ORTHOGONAL TO THE TANGENT LINE OF THE URB/WALL BELOW.

ALL BUILDING-MOUNTED AND POLE-MOUNTED IGHTING SHALL BE DIRECTED DOWNWARD. ALL LIGHT SOURCES SHALL BE FULLY SHIELDED SO THE LIGHT SOURCE IS NOT VISIBLE FROM ADJACENT PROPERTIES AND PUBLIC RIGHTS-OF-WAY, AND TO PREVENT

REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL LIGHTING FIXTURE MOUNTING HEIGHTS AND OVERALL FIXTURE HEIGHTS.

KEYNOTE LEGEND

NFORMATION.

VALUE

FIXTURE MOUNTING HEIGHT DETERMINED FROM LOWER LEVEL GRADE ELEVATION PHOTOMETRIC CALCULATION POINTS AT FIXTURE AT EAST END OF MAINTENANCE BUILDING ARE CALCULATED AT 0-0" ABOVE LOWER LEVEL GRADE ELEVATION. SEE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL

PHOTOMETRIC CALCULATION POINTS AT UPPER PLATFORM LEVEL ARE CALCULATED AT 0'-0" ABOVE PLATFORM.

TYPE 'EDI' AND 'EDIEM' SURFACE MOUNTED DOWNLIGHT FIXTURE SHALL BE MOUNTED TO UNDERSIDE OF TERMINAL CANOPY STRUCTURE AND DIRECTED DOWNWARD.

FIXTURE SHALL BE SURFACE MOUNTED TO TRUCTURE LOCATED ABOVE WALKWAY. REFER TO PLATFORM LEVEL PHOTOMETRIC PLAN FOR LIGHTING LEVELS AT STAIRS, WHICH NCLUDE TERMINAL CANOPY UNOBSTRUCTED IGHTING CONTRIBUTIONS

LIGHTING FIXTURES

LUMINAIRE TYPE, REFERENCING LUMINAIRE SCHEDULE, TYPICAL ALL FIXTURES. SUBSCRIPT, IF SHOWN, REFERENCES WALL SWITCH OR RELAY/ZONE CONTROL

WALL MOUNTED LUMINAIRE

SURFACE OR PENDANT MOUNTED LUMINAIRE

RECESSED LUMINAIRE $\bigcirc \square$ DOWNLIGHT LUMINAIRE SURFACE CEILING LUMINAIRE

PENDANT LUMINAIRE ARROW INDICATES DIRECTIONAL

MONOPOINT LUMINAIRE SURFACE OR PENDANT TRACK LUMINAIRE REFER TO FIXTURE SCHEDULE FOR HEAD

----- LED TAPE LUMINAIRE FESTOON LIGHTING

 Θ

EXIT LUMINAIRE - SHADED INDICATES FACE/ DIRECTIONAL ARROWS AS SHOWN. BATTERY PACK EMERGENCY LUMINAIRE

> PORCELAIN KEYLESS LAMP HOLDER STEP LIGHT TYPE LUMINAIRE

IN-GRADE UPLIGHT

BOLLARD OR POST TOP LUMINAIRE EXTERIOR AREA LIGHT

HATCH INDICATES EMERGENCY LUMINAIRE

7/2

Project Phase PLANNING SUBMITTAL

Checked By:

Job Number:

Drawn By:

Sheet Title MID STATION SITE PHOTOMETRIC

Integrated Lighting and Electrical Solutions 1900 Wazee Street #205 Denver, CO 80202 303.296.3034

NOTICE: DUTY OF COOPERATION

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REVISIONS

I DRT RESPONSE 12/3/21

Release of these plans contemplates furthe

Sheet Number

IGHTING													
	FIXTURE SCHEDULE												
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTAGE		SOURCE		MAX	LUMEN	DIMMING	FIXTURE	MOUNTING	INFORMATION
					WATT	TYPE	CCT/CRI	WATTS	OUTPUT		FINISH	LOCATION	BOF/RFD/OFH
EDI	18" CIRCULAR LED CANOPY LIGHT WITH	MCGRAW-EDISON	TT-D4-830-U-MQ-30L-BK	277	59.8	LED	3000K/ 80 CRI	59.8	6740	-	BLACK	SURFACE WALL	10' B0F
	18" CIRCULAR LED CANOPY LIGHT WITH INTEGRAL EMERGENCY BATTERY BACK-UP	MCGRAW-EDISON	TT-D4-830-U-WQ-30L-BK-IBP	277	59.8	LED	3000K/	59.8	6740	~~~	BLACK	SURFACE	IO' BOF
	4' LINEAR LED SURFACE MOUNTED LIGHT WITH INTEGRAL BATTERY BACKUP	NULITE	RXT-R-FF-03-L30-IB5-U-W-4	277	13.6	LED	3000K/ 85 CRI	13.6	1228	-	MHITE	SURFACE CEILING	
	9" NIDELED WALL MOUNT INTEGRAL EMERGENCY BATTERY BACK-UP	RAB	MPLEDISAY/EG/PG	277	18	LED	3000K/	18	3475	~~	BLACK		8' BOF
	INTEGRAL EMERGENCT BATTERT BACK-UP			211	10	LED	73 CRI	10	54 15	_	DLACK	SURFACE WALL	8 BOF
	9" WIDE LED WALL MOUNT INTEGRAL EMERGENCY BATTERY BACK-UP	LITHONIA	MDGE2 LED PI-30K-80CRI -VW-MVOLT-EW20C-DBLXD	277	10	LED	3000K/ 80 CRI	0	1163	-	BLACK	SURFACE WALL	8' BOF
	9" WIDE LED WALL MOUNT INTEGRAL EMERGENCY BATTERY BACK-UP	LITHONIA	WDGE3 LED P2-30K-80CRI -VW-MV0LT-EW20C-DBLXD	277	15	LED	3000K/	15	8500	-	BLACK	SURFACE	23' BOF
DDDE // A	TIONS: BOF - BOTTOM OF FIXTURE, RFD - RECE	GGED ELYTIPE DEPTIL OF		<u> </u>	A B OV /E	ENIGUED	80 CRI	ADE) WED	<u> </u>	LYTUDE DE	T. I	WALL	
J. i H. i	ALL FINISH SELECTIONS SHALL BE VERIFIED BE FINISH OPTION FOR PRICING. EC SHALL VERIFY ALL FIXTURE MOUNTING HEIGH TYPICAL FOR ALL LIGHT FIXTURES WITH DESIGN. AND/OR INTERIOR DESIGNER. EC SHALL COORD! AND/OR ELECTRICAL ENGINEER PRIOR TO INSTAREMOTE DRIVER(S)/TRANSFORMER(S) SHALL BE REFER TO THE MANUFACTURER'S INSTALLATION DO NOT EXCEED MANUFACTURER'S RECOMMEND, FOR LUMINAIRES SPECIFIED WITH O-IOV DIMMING	ITS WITH ARCHITECTURAL ATION STARTING WITH 'M' INATE EXACT MOUNTING L ALL. LOCATED IN A CONCEAL INSTRUCTIONS FOR MINIMI ATIONS REGARDING WIRE	ELEVATIONS PRIOR TO ANY RO FIXTURES ARE SHOWN FOR RE OCATION, MOUNTING HEIGHT, WA ED, ACCESSIBLE, AND VENTILA IM REQUIRED CLEARANCES FRO	DUGH-IN. FERENCE C TTAGE, AN TED LOCAT DM ADJACE	NLY, FI. D DIMM ION AS	XTURE SEL ING PROTO PROPOSEI	ECTIONS AN OCOL WITH A	ID SPECIFI ARCHITECT C AND APP REQUIREME	CATIONS S / INTERION PROVED B ENTS TO PR	HALL BE P R DESIGNEI Y THE ARCI REVENT VOI	ROVIDED E R, LIGHTING HITECT. LTAGE DRO	BY THE ARCHI CONSULTANT	
	EXTERIOR LUMINAIRES SHALL BE COLD WEATHER	•	R(S) REQUIRE ADDITIONAL LOW	VOLTAGE (L WIRES IN	ADDITION	TO STAND	,	01010101	ALIN.		

4. ALTERNATES OR VALUE-ENGINEERED LIGHTING FIXTURES FOR EMERGENCY APPLICATIONS ARE REQUIRED TO MATCH OR EXCEED THE SPECIFIED LUMEN OUTPUT AND MATCH

MAY RESULT IN REQUEST FOR PHOTOMETRIC CALCULATIONS TO BE PROVIDED FOR ALTERNATE OR VAULE-ENGINEERED LIGHTING FIXTURES.

2. THE CONTRACTOR IS REQUIRED TO PAY FOR ANY INCURRED HOURS TO UPDATE THE ENERGY COMPLIANCE DOCUMENTATION BY THE ENGINEER OF

2. THE CONTRACTOR IS REQUIRED TO CARRY THE @AS SPECIFIEDA LIGHTING FIXTURES AND LIGHTING CONTROLS IN THEIR BASE BID. ALL ALTERNATE OR

3. THE CONTRACTOR IS REQUIRED TO PROVIDE UNIT PRICING FOR EACH @AS SPECIFIED AND EACH ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURE AND

3. THE CONTRACTOR IS REQUIRED TO PAY FOR THE ADDITIONAL HOURS REQUIRED OF THE ENGINEER OF RECORD / LIGHTING DESIGNER TO REVIEW ALTERNATE OR

I. THE CONTRACTOR IS REQUIRED TO PAY FOR ANY INCURRED HOURS REQUIRED TO UPDATE THE PERMIT/CONSTRUCTION DOCUMENTS DUE TO ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURES AND CONTROLS BY THE ENGINEER OF RECORD / LIGHTING DESIGNER. HOURLY RATE SHALL BE BILLED AT \$135.00/HR.

I. THE CONTRACTOR IS REQUIRED TO PROVIDE SEPARATE LINE ITEMS IN THE BASE BID FOR LIGHTING FIXTURES AND LIGHTING CONTROLS.

VALUE-ENGINEERED LIGHTING FIXTURES AND LIGHTING CONTROLS ARE TO BE INDICATED AS A NET CHANGE IN COST TO THE BASE BID.

SPECIFIED DISTRIBUTION OR COMPLY WITH LIGHT LEVELS REQUIRED FOR EGRESS ILLUMINATION AS REQUIRED PER NFPA IOI. SPECIFIC CONCERNS ON THE PART OF THE ENGINEER

SHOWING COMPLIANCE WITH THE LOCALLY ADOPTED EXTERIOR LIGHTING ORDINANCE/CODE.

LIGHTING CONTROLS. LUMP SUM COST SAVINGS WILL NOT BE ACCEPTED.

RECORD / LIGHTING DESIGNER. HOURLY RATE SHALL BE BILLED AT \$135.00/HR.

VALUE-ENGINEERED LIGHTING FIXTURES AND CONTROLS. HOURLY RATE SHALL BE BILLED AT \$135,00/HR.

C. BID PRICING BREAKOUT REQUIREMENTS:

D. SUBMITTAL REVIEW AND DOCUMENT

SPECIFIC NOTES:

I. COORDINATE EXACT FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING 2 LIGHTING FIXTURE MOUNTED AT SPRUNG BUILDING SHALL BE PROVIDED BY SPRUNG MANUFACTURER AND INSTALLED/WIRED BY ELECTRICAL CONTRACTOR. EC SHALL CORRDINATE WITH MANUFACTURER AS NECESSARY. 3 FIXTURE SHALL BE SURFACE MOUNTED TO UNDERSIDE OF STRUCTURE LOCATED ABOVE THE WALKWAY.



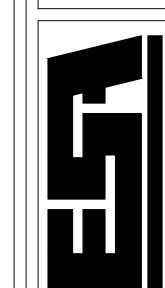
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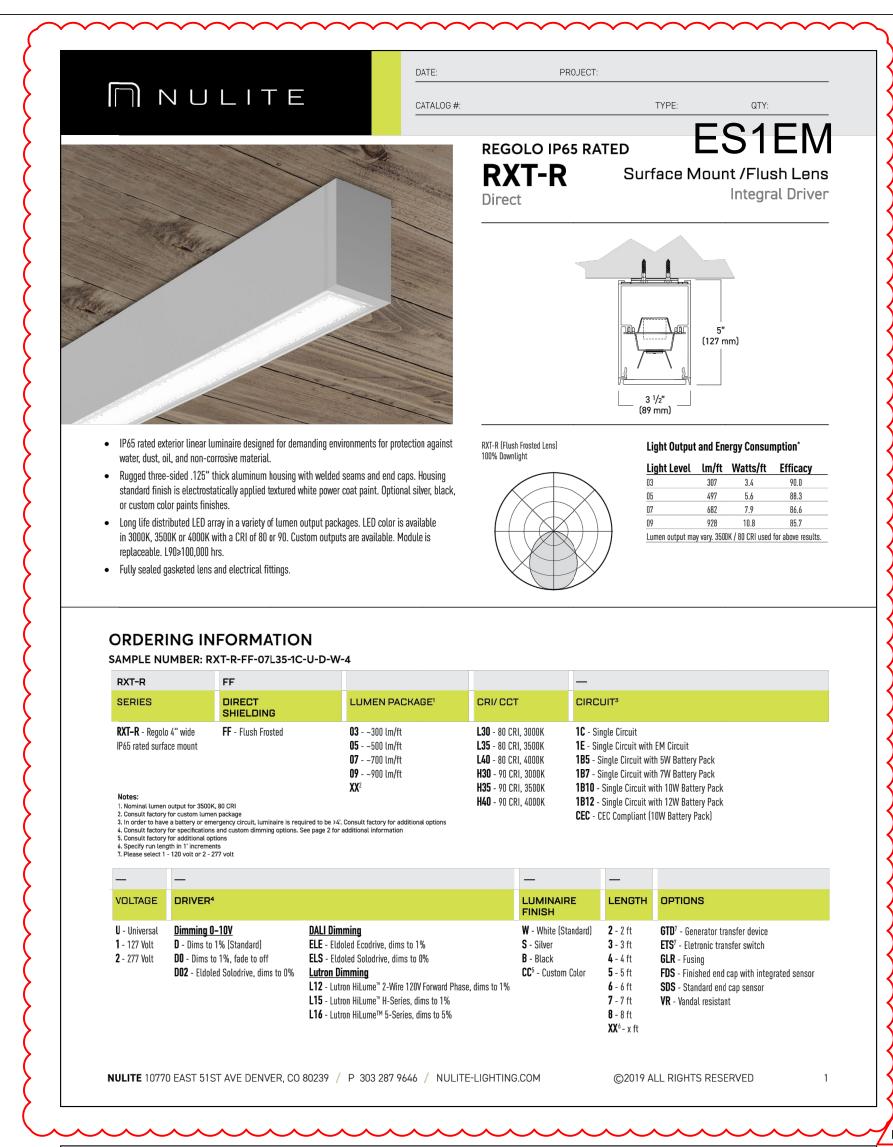


Drawn By: SPM
Checked By: 1K

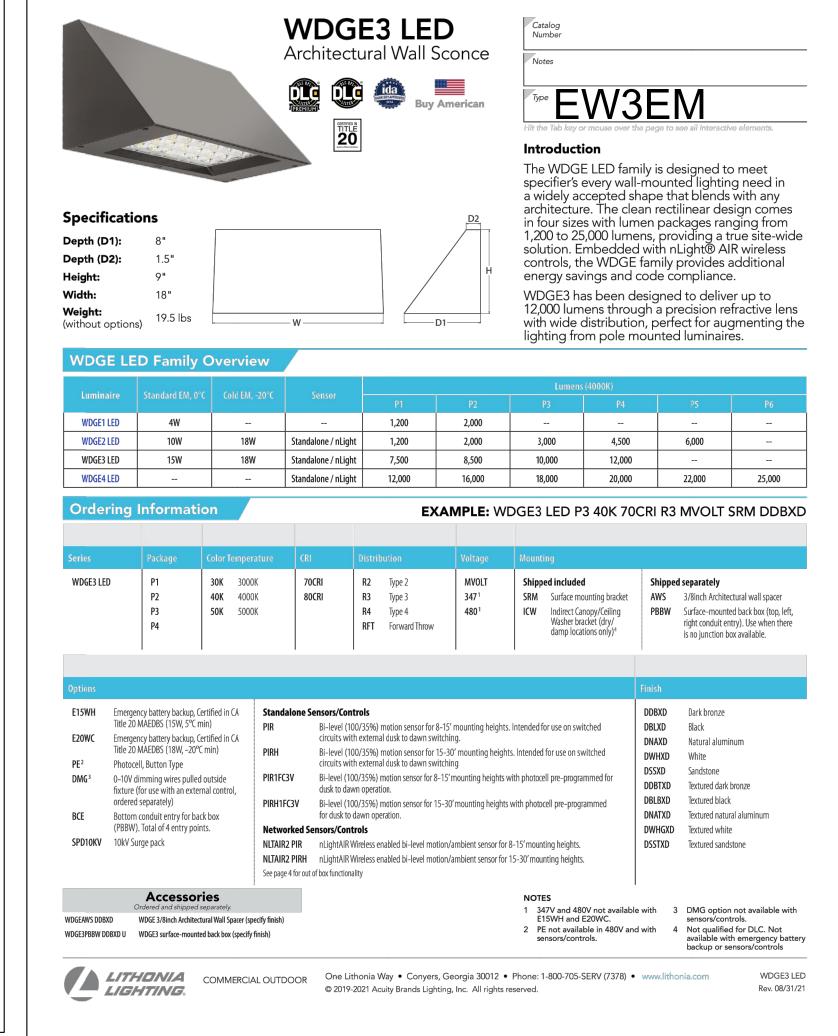
Project Phase

PLANNING SUBMITTAL

Sheet Title LIGHTING SCHEDULES



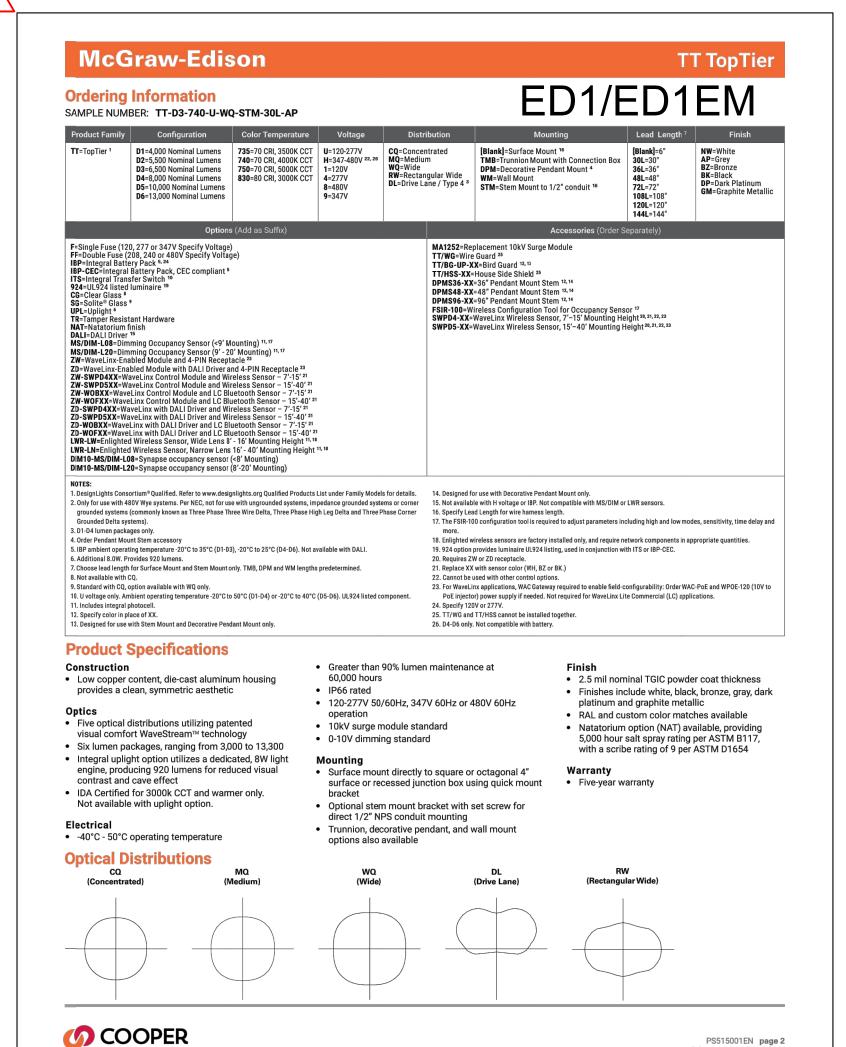




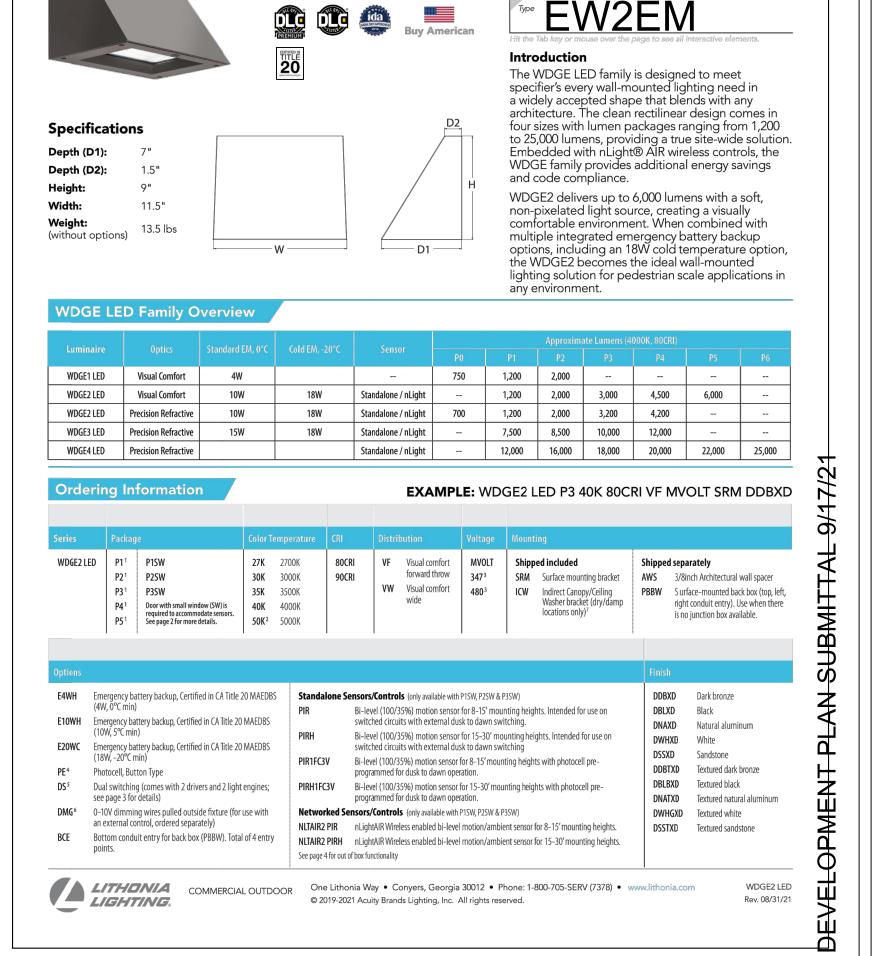
WDGE2 LED

Visual Comfort Optic





PS515001EN page 2 February 19, 2021 2:35 PM





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Project Phase PLANNING SUBMITTAL

Sheet Title LIGHTING CUTSHEETS

SPM

Sheet Number