

ALLIANCE ROOFING SITE PLAN

AURORA CENTRETECH PARK SUBDIVISION FILING NO. 10, AMENDMENT 1,
SITUATED IN THE NORTHEAST ONE-QUARTER OF THE NORTHWEST
ONE-QUARTER OF SECTION 8,
TOWNSHIP 4 SOUTH, RANGE 66 WEST
OF THE 6TH PRINCIPAL MERIDIAN,
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

BS-9971



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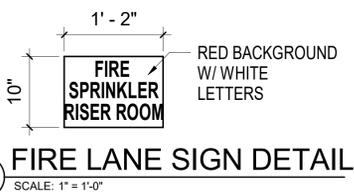
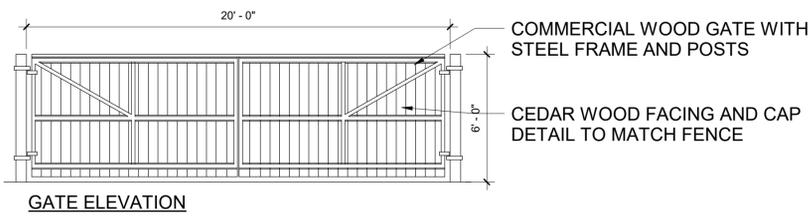
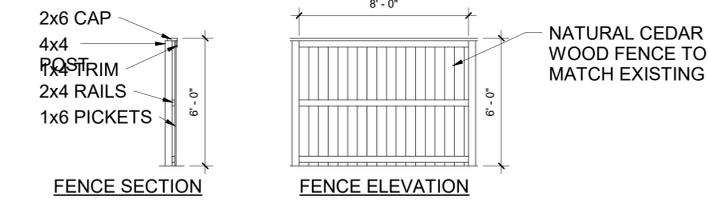
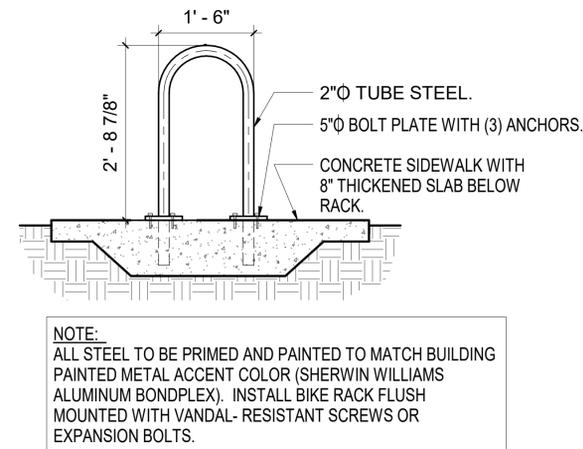
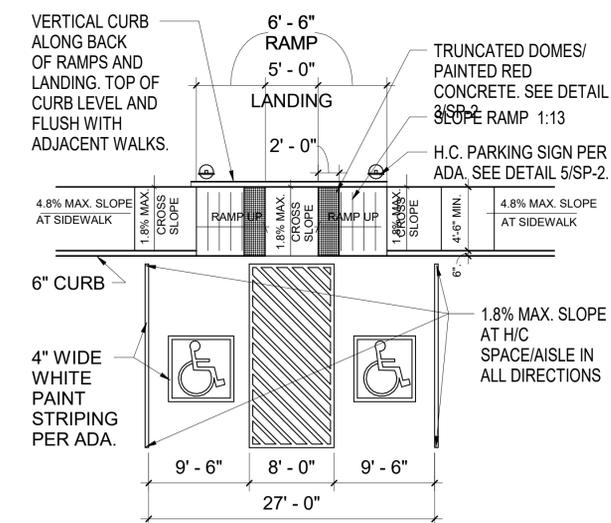
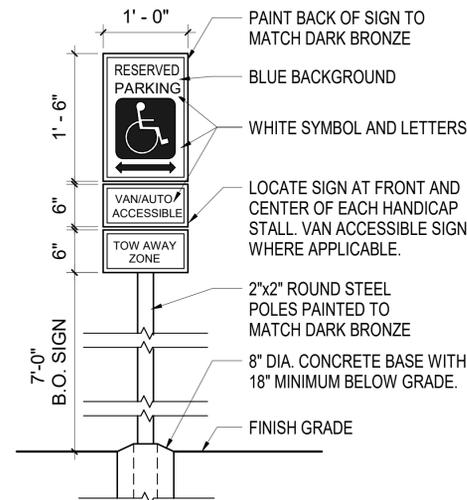
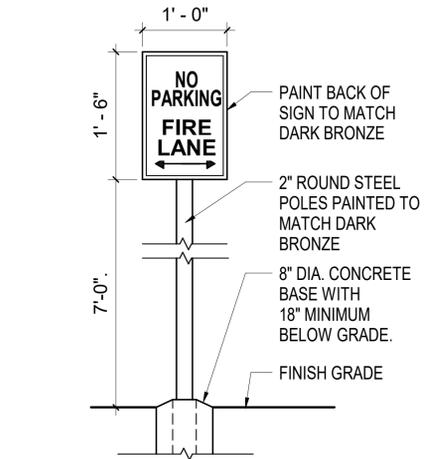
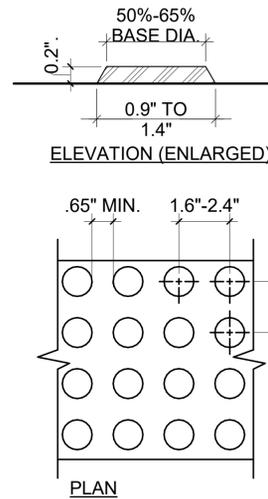
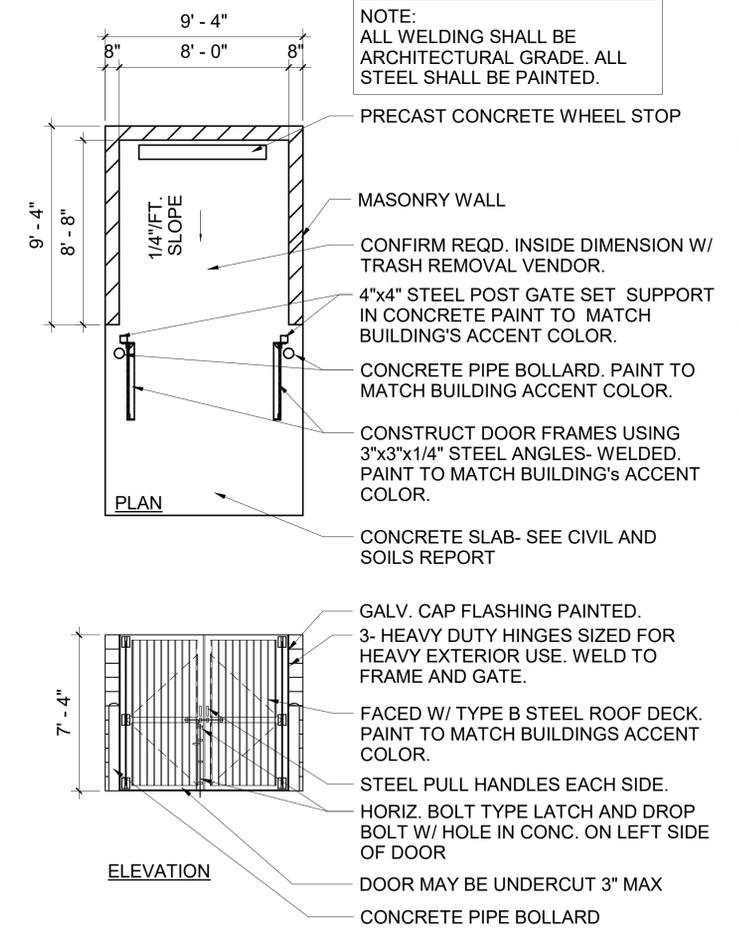
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ALLIANCE ROOFING
AURORA CENTRETECH PARK SUBDIVISION, FILING 10, AMENDMENT 1
AURORA, COLORADO 80011

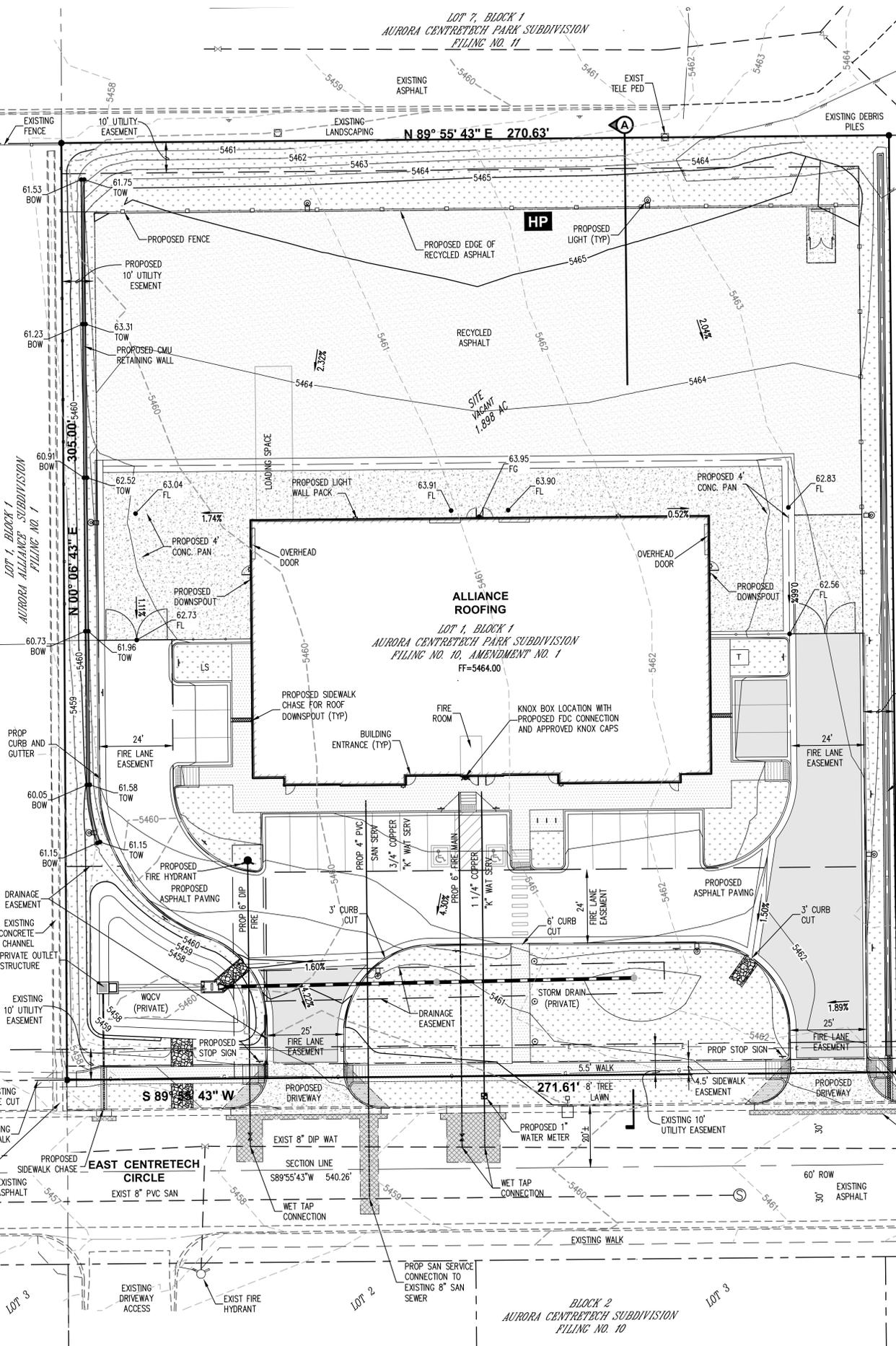
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03.29.2016	PRE-APP
08.11.2016	SITE PLAN APPL
11.23.2016	RESUBMITTAL
01.12.2017	RESUBMITTAL
04.25.2018	RESUBMITTAL

SP-2.1
DETAILS



COA UTILITY NOTES

- ALL MATERIAL, WORKMANSHIP, CONSTRUCTION DETAILS, AND TESTING FOR THE WATER LINE CONSTRUCTION SHALL CONFORM TO STANDARDS AND SPECIFICATIONS REGARDING WATER, SANITARY SEWER AND STORM DRAINAGE INFRASTRUCTURE, LATEST REVISION AS SET FORTH BY THE CITY OF AURORA WATER DEPARTMENT, LATEST REVISION.
- ALL FIRE HYDRANTS SHALL BE LOCATED NOT LESS THAN THREE FEET - SIX INCHES (3'-6") AND NOT MORE THAN 8 FEET FROM THE BACK OF CURB TO THE CENTER OF THE HYDRANT AND BE UNOBSTRUCTED ON THE STREET SIDE. MINIMUM CLEARANCE ON ALL OTHER SIDES SHALL BE 5 FEET. FIRE HYDRANTS MUST BE GRADE STAKED IN THE FIELD. FIRE HYDRANTS ARE NOT ALLOWED IN SIDEWALKS.
- ALL FIRE HYDRANTS MUST BE GRADE STAKED IN THE FIELD WHENEVER CURB AND GUTTER HAS NOT BEEN INSTALLED.
- ALL UTILITIES EASEMENTS MUST REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR MAINTENANCE EQUIPMENT.
- WATER MAIN RESTRAINT SHALL BE IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS REGARDING WATER, SANITARY SEWER AND STORM DRAINAGE INFRASTRUCTURE, LATEST REVISIONS. MEGALUGS OR UNI-FLANGE MAY BE USED IN PLACE OF RODS AND CLAMPS.
- WATER LINE VALVES ARE NOT ALLOWED IN CROSS PANS.
- ALL WATER METERS, WATER SERVICE LINES AND SANITARY SEWER SERVICE LINES ARE NOT ALLOWED IN OR UNDER DRIVEWAYS.
- ALL SANITARY SERVICE LINES SHALL BE TEES OFF OF MAINS. WYE SHALL BE USED FOR LOTS AT BACK OF CUL-DE-SACS.
- ADJUST ALL MANHOLES, FIRE HYDRANTS, AND VALVE BOXES TO GRADE PER AURORA WATER STANDARDS AND SPECIFICATIONS REGARDING WATER, SANITARY SEWER AND STORM SEWER INFRASTRUCTURE, LATEST REVISION, AS NECESSARY.
- ALL FIRE LINES AND COMMERCIAL WATER SERVICE LINES REQUIRE REDUCED PRESSURE BLOCK FLOW ASSEMBLY OR DOUBLE CHECK VALVES AS REQUIRED BY THE CITY OF AURORA WATER DEPARTMENT. CONTACT WATER SERVICES AT (303) 326-8114 OR (303) 326-8129 FOR INSPECTION PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- THE CONTRACTOR SHALL CONTACT AURORA WATER ENGINEERING AT (303) 739-7300 FOR INSPECTION OF ANY REQUIRED GREASE TRAPS OR SAND/OIL INTERCEPTORS PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY.
- THE CONTRACTOR SHALL CONTACT THE AURORA WATER INSPECTION LINE AT (303) 739-7385 AT LEAST 24 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION OF ANY WET UTILITY TO SCHEDULE INSPECTIONS.
- ALL FIRE SERVICE LINES SHALL BE INSTALLED, IN THEIR ENTIRETY BY A STATE LICENSED CONTRACTOR. LICENSING CAN BE OBTAINED FROM THE COLORADO DIVISION OF FIRE SAFETY LOCATED AT 390 KIJILING STREET, LAKEWOOD, CO 80215 (303-329-4600). IN ADDITION, APPROVED CIVIL PLANS FROM THE CITY OF AURORA WATER DEPARTMENT ARE REQUIRED FOR ALL SERVICE LINE CONNECTIONS, THE CONTRACTOR MUST PRESENT LICENCE AND APPROVED CIVIL PLANS TO THE PUBLIC IMPROVEMENTS DIVISION OF THE PUBLIC WORKS DEPARTMENT BEFORE PERMITS ARE ISSUED. ONCE THE PERMIT HAS BEEN ISSUED CONTACT THE CITY OF AURORA BUILDING CODES DIVISION AT 303-739-7420 TO SCHEDULE A FLUSH INSPECTION WITH A LIFE SAFETY INSPECTOR. FIRE SERVICE LINES SHALL BE RESTRAINED FOR THEIR ENTIRE LENGTH. REFER TO THE CITY OF AURORA PUBLIC UTILITY IMPROVEMENTS RULES AND REGULATIONS REGARDING STANDARDS AND SPECIFICATIONS, SECTION 15.00.



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UTILITY LEGEND

	EXISTING	PROPOSED
WATER LINE	WAT	WAT
SANITARY SEWER LINE	SAN	SAN
FIRE HYDRANT		
GATE VALVE		
WATER METER W/ SERVICE		3/4" W/S AND METER
SANITARY SEWER MANHOLE		
FIRE DEPARTMENT CONNECTION		
STORM DRAIN		STORM DRAIN
ELECTRICAL TRANSFORMER		
UNDERGROUND ELECTRIC		
GAS LINE		

LEGEND

- PROPOSED CROSSWALK
- HANDICAP PARKING STALL
- HANDICAP RAMP
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- PROPOSED WALL
- PROPERTY LINE
- PROPOSED EASEMENT
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED SPOT
- PROPOSED LIGHTING
- PROPOSED RECYCLED ASPHALT PAVING
- PROPOSED LANDSCAPING
- PROPOSED ASPHALT PAVING
- PROPOSED CONCRETE PAVING
- RAIN GARDEN, 3" TO 6" COBBLE MULCH
- EXISTING ASPHALT TO BE REMOVED AND REPLACED

BENCHMARK

2" BRASS CAP ATOP THE N.W. COR. OF STORM SEWER INLET BEING AT THE N.E. COR. OF E. CENTRETECH PKWY. & E. CENTRETECH CIRCLE NORTH. ALSO NEAR #15581 E. CENTRETECH PKWY. FARMERS INS. GROUP OFFICE. ELEVATION = 5452.60



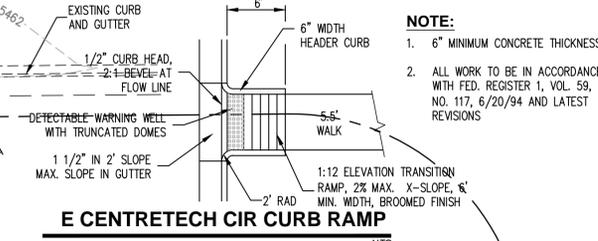
ORIGINAL SCALE: 1" = 20' HORIZ.

**TOW (TOP OF WALL)
AS SHOWN ON PLANS**

8"x8"16" GROUND FACE CMU TO MATCH FIELD COLOR OF BUILDING, BORAL BEST BLOCK #722

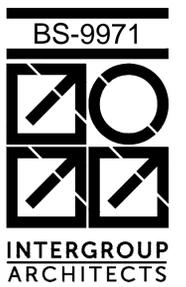
**BOW (BOTTOM OF WALL)
AS SHOWN ON PLANS**

CMU RETAINING WALL DETAIL



NOTE:

- 6" MINIMUM CONCRETE THICKNESS
- ALL WORK TO BE IN ACCORDANCE WITH FED. REGISTER 1, VOL. 59, NO. 117, 6/20/94 AND LATEST REVISIONS



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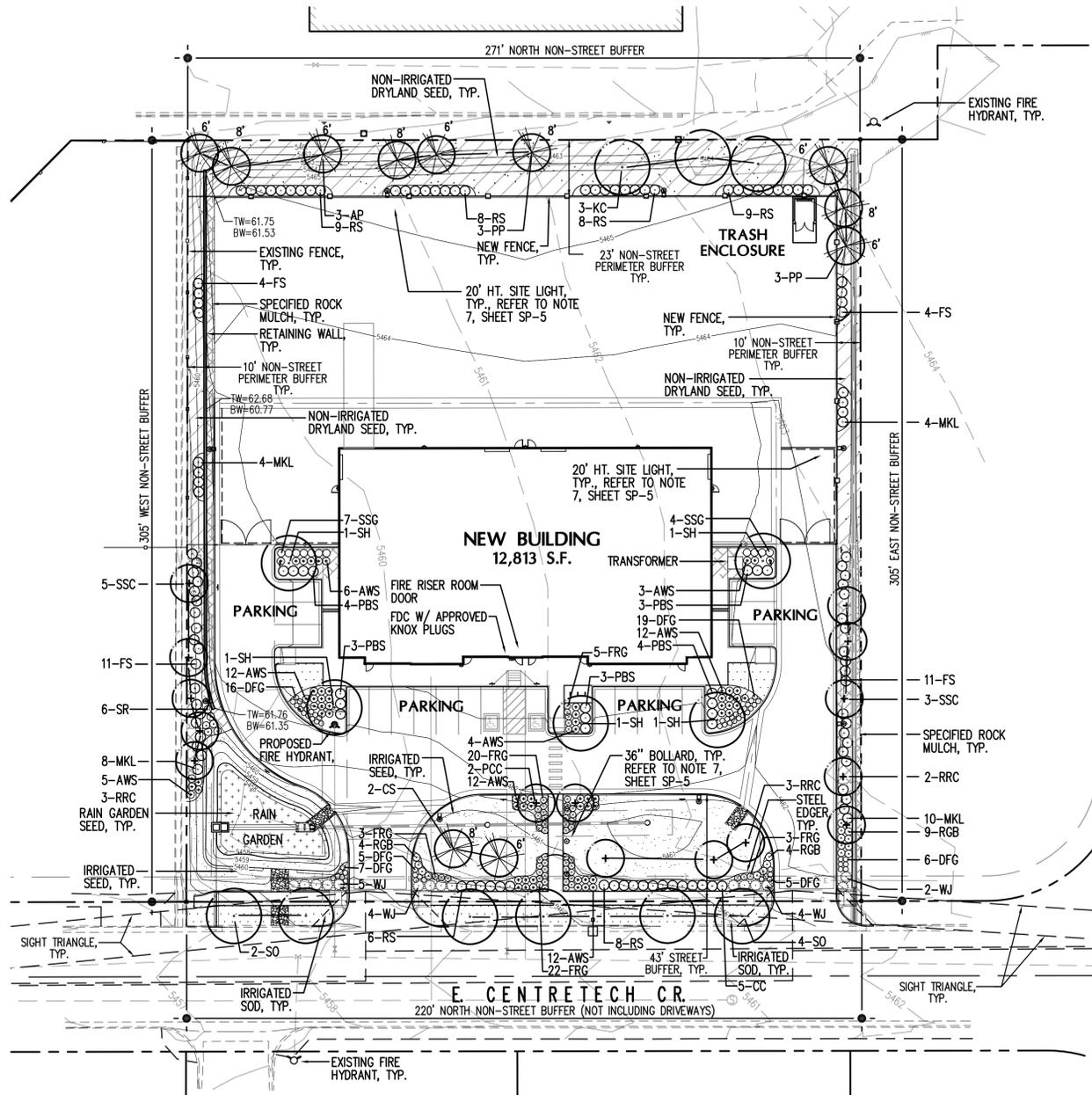
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GRADING AND UTILITY SCHEMATIC

SP-4

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PLANT LIST

SYM.	QTY.	KEY	COMMON / BOTANIC NAME	SIZE	COMMENTS
DECIDUOUS SHADE TREES					
5		SH	Shademaster Honeylocust <i>Gleditsia triacanthos</i> 'Shademaster'	2 1/2" cal.	Specimen quality, full crown, B&B, staked
3		KC	Kentucky Coffee Tree <i>Gymnocladus dioica</i>	2 1/2" cal.	Specimen quality, full crown, B&B, staked
6		SO	Shumard Oak <i>Quercus shumardii</i>	2 1/2" cal.	Specimen quality, full crown, B&B, staked
ORNAMENTAL TREES					
2		PCC	Chanticleer Pear <i>Pyrus calleryana</i> 'Chanticleer'	2 1/2" cal.	Specimen quality, full crown, B&B, staked
8		SSC	Spring Snow Crabapple <i>Malus sp.</i> 'Spring Snow'	2 1/2" cal.	Specimen quality, full crown, B&B, staked
5		RRC	Royal Raindrops Crabapple <i>Malus sp.</i> 'Royal Rain'	2 1/2" cal.	Specimen quality, full crown, B&B, staked
EVERGREEN TREES					
3		AP	Austrian Pine <i>Pinus nigra</i>	6'-8" ht.	Specimen quality, full form, B&B, guyed
6		PP	Pinon Pine <i>Pinus cembroides</i> <i>edulis</i>	6'-8" ht.	Specimen quality, full form, B&B, guyed
2		CS	Colorado Spruce <i>Picea pungens</i>	6'-8" ht.	Specimen quality, full form, B&B, guyed
DECIDUOUS SHRUBS					
66		AWS	Anthony Waterer Spiraea <i>Spiraea 'Anthony Waterer'</i>	5 gal.	container, 5 canes min. 3' ht., plant 3" o.c.
17		RGB	Rose Glow Barberry <i>Berberis thunbergii</i> 'Rose Glow'	5 gal.	container, 5 canes min. 3' ht., plant 3" o.c.
6		SR	Shrub Rose <i>Rosa 'Gourmet Popcorn'</i>	5 gal.	container, 5 canes min. 2' ht., plant 3" o.c.
26		MKL	Miss Kim Lilac <i>Syringa patula</i> 'Miss Kim'	5 gal.	container, 5 canes min. 4' ht., plant 4" o.c.
30		FS	Fragrant Sumac <i>Rhus aromatica</i>	5 gal.	container, 5 canes min. 5' ht., plant 4" o.c.
32		RS	Russian Sage <i>Perovskia atriplicifolia</i>	5 gal.	container, 5 canes min. 5' ht., plant 4" o.c.
5		CC	Cranberry Cotoneaster <i>Cotoneaster apiculatus</i>	5 gal.	container, 5 canes min. 2' ht., plant 4" o.c.
17		PBS	Pawnee Buttes Sandcherry <i>Prunus Besseyi</i> 'Pawnee Buttes'	5 gal.	container, 5 canes min. 2' ht., plant 4" o.c.
EVERGREEN SHRUBS					
15		WJ	Wilton Juniper <i>Juniperus horizontalis</i> 'Wiltonii'	5 gal.	container, 18"-24" spread plant 4" o.c.
ORNAMENTAL GRASSES					
58		DFG	Dwarf Fountain Grass <i>Pennisetum alopecuroides</i> 'Hamen'	1 gal.	container, plant 24" o.c.
53		FRG	Feather Reed Grass <i>Calamagrostis acut.</i> 'Karl Foerster'	1 gal.	container, plant 30" o.c.
11		SSG	Shenandoah Switch Grass <i>Panicum virgatum</i> 'Shenandoah'	5 gal.	container, plant 36" o.c.

GROUND COVER LEGEND:

- IRRIGATED SOD
- SR2100 KENTUCKY BLUEGRASS (25%)
- NUGLADE (25%)
- FREEDOM II (25%)
- AWARD (25%)
- IRRIGATED NATIVE SEED MIX
- WESTERN WHEATGRASS 'ARRIBA'
- THICK SPIKE WHEATGRASS
- SIDEOATS GRAMA
- BLUE GRAMA
- LITTLE BLUESTEM
- PRAIRIE SANDREED 'GOSHEN'
- SAND DROPSOED
- NON-IRRIGATED RAIN GARDEN SEED MIX
- SAND BLUESTEM
- SIDEOATS GRAMA
- PRAIRIE SANDREED 'GOSHEN'
- INDIAN RICEGRASS
- SWITCHGRASS
- WESTERN WHEATGRASS
- LITTLE BLUESTEM
- ALKALI SACATON
- SAND DROPSOED
- NON-IRRIGATED RESTORATIVE DRY/UPLAND GRASS SEED MIX
- BIG BLUEGRASS, SHERMAN
- SANDBERG/CANBY BLUEGRASS
- ARIZONA FESCUE, REDONDO
- SHEEP FESCUE, OVINA
- SPECIFIED 3/4" ROCK MULCH (BLDG., RETAINING WALLS & SHRUB BEDS)

SIGHT TRIANGLE NOTE:
ALL TREES LOCATED WITHIN THE SIGHT TRIANGLE SHALL BE PRUNED ABOVE 8 FEET IN HEIGHT.

LANDSCAPE LEGEND

- DECIDUOUS SHADE TREE
- DECIDUOUS ORNAMENTAL TREE
- EVERGREEN TREE
- DECIDUOUS SHRUBS
- EVERGREEN SHRUBS
- ORNAMENTAL GRASSES

REFER TO SHEET SP-5 FOR CITY
LANDSCAPE REQUIREMENTS & NOTES

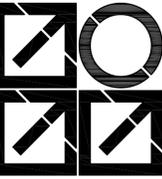
REFER TO SHEET SP-7 FOR
LANDSCAPE DETAILS

meuran
designgroup
site design
landscape architecture
site planning

700 colorado boulevard, suite 131
denver, colorado 80206
303.512.0549 www.meuran.com

AMENDMENTS

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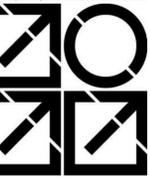
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SP-6
LANDSCAPE
PLAN

ALLIANCE ROOFING SITE PLAN

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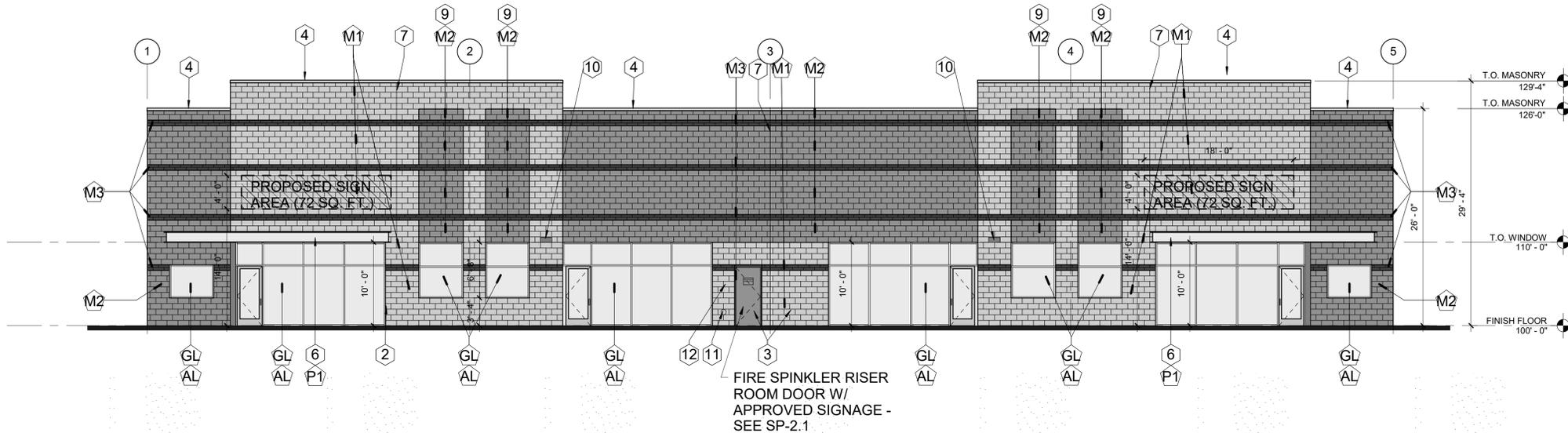
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KEY NOTES:

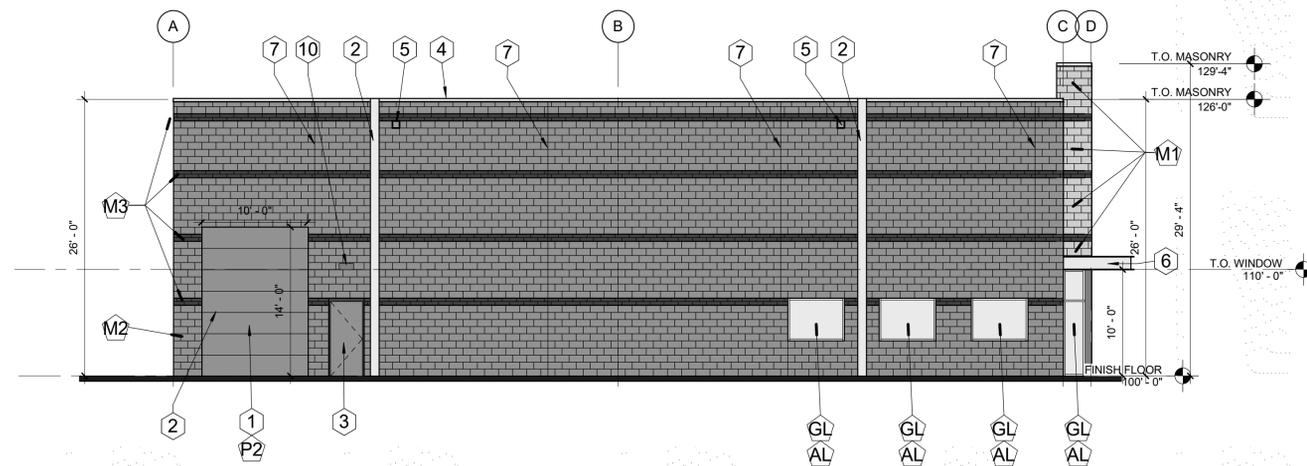
- 10'W. x 14'-0" H. INSULATED STEEL OVERHEAD DOOR. PAINT TO MATCH FIELD WALL COLOR.
- PREFINISHED METAL DOWNSPOUT BY BERRIDGE. COLOR - ZINC-COTE.
- HOLLOW METAL DOOR IN HOLLOW METAL FRAME.
- PREFINISHED METAL CAP FLASHING BY BERRIDGE. COLOR - ZINC-COTE.
- OVERFLOW SCUPPER.
- STEEL CANOPY. PAINT.
- MASONRY CONTROL JOINT.
- NOT USED.
- 1" MASONRY (M2) INSET. SEE FINISH LEGEND.
- BUILDING / SITE LIGHT FIXTURE. SEE ELECTRICAL.
- FDC W/ APPROVED KNOX CAPS.
- KNOX BOX. CONFIRM FINAL LOCATION WITH FIRE DEPARTMENT.



1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



SYM.	PATTERN	DESCRIPTION	MANUFACTURER / COLOR
M1	[Pattern]	8x8x16 SPLIT FACE CONCRETE MASONRY UNITS - LIGHT GRAY	BORAL BEST BLOCK #102 SPLIT FACE
M2	[Pattern]	8x8x16 GROUND FACE CONCRETE MASONRY UNITS - LIGHT BROWN	BORAL BEST BLOCK #722 GROUND FACE
M3	[Pattern]	4x8x16 STRUCTURAL BRICK ACCENT BAND - DARK BROWN	MATCH LAKEWOOD BRICK "ESPRESSO GRAIN"
AL	[Pattern]	ALUMINUM STOREFRONT SYSTEM	KAWNEER, CLEAR ANODIZED ALUMINUM
GL	[Pattern]	1" INSULATED LOW E GLAZING	PPG SOLARBAN 60 (2) SOLEXIA + CLEAR
P1	[Pattern]	PAINTED STEEL CANOPY	SHERWIN WILLIAMS ALUMINUM BONDPLEX
P2	[Pattern]	ACCENT PAINT	PAINT TO MATCH ADJACENT WALL COLOR



2 WEST ELEVATION
SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- ALL ROOFTOP MECHANICAL EQUIPMENT AND VENTS GREATER THAN EIGHT INCHES IN DIAMETER MUST BE SCREENED. SCREENING MAY BE DONE EITHER WITH AN EXTENDED PARAPET WALL OR A FREESTANDING SCREEN WALL OF A MATERIAL, COLOR, AND DESIGN MATCHING THE BUILDING. SCREENS SHALL BE AT LEAST AS HIGH AS THE EQUIPMENT THEY HIDE. IF EQUIPMENT IS VISIBLE BECAUSE SCREENS DON'T MEET THIS MINIMUM HEIGHT REQUIREMENT, THE DIRECTOR OF PLANNING MAY REQUIRE CONSTRUCTION MODIFICATIONS PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- PAINT ALL HOLLOW METAL DOORS, OVERHEAD DOORS AND MISC. METALS TO MATCH ADJACENT WALL PAINT COLOR.

AMENDMENTS

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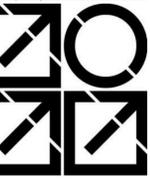
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SP-8
EXTERIOR
ELEVATIONS

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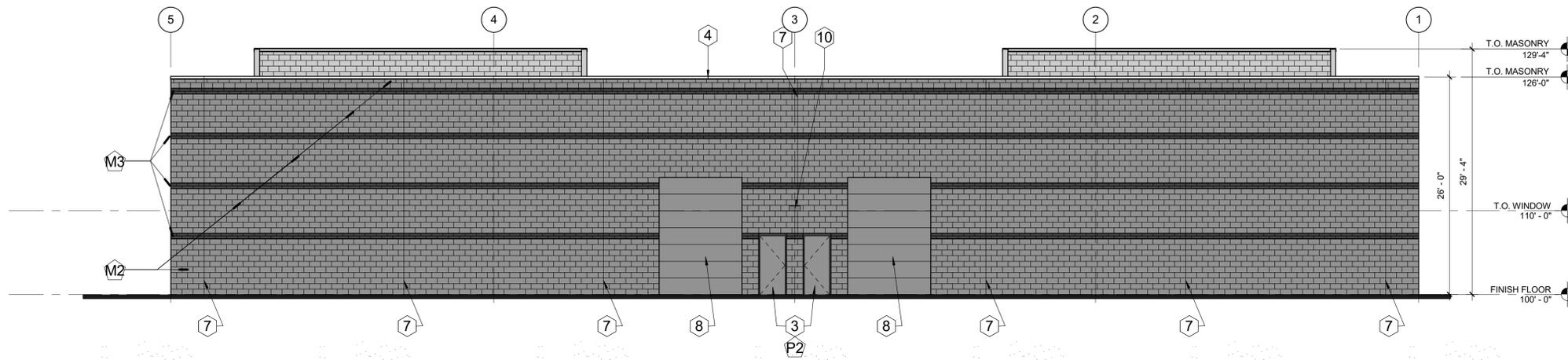
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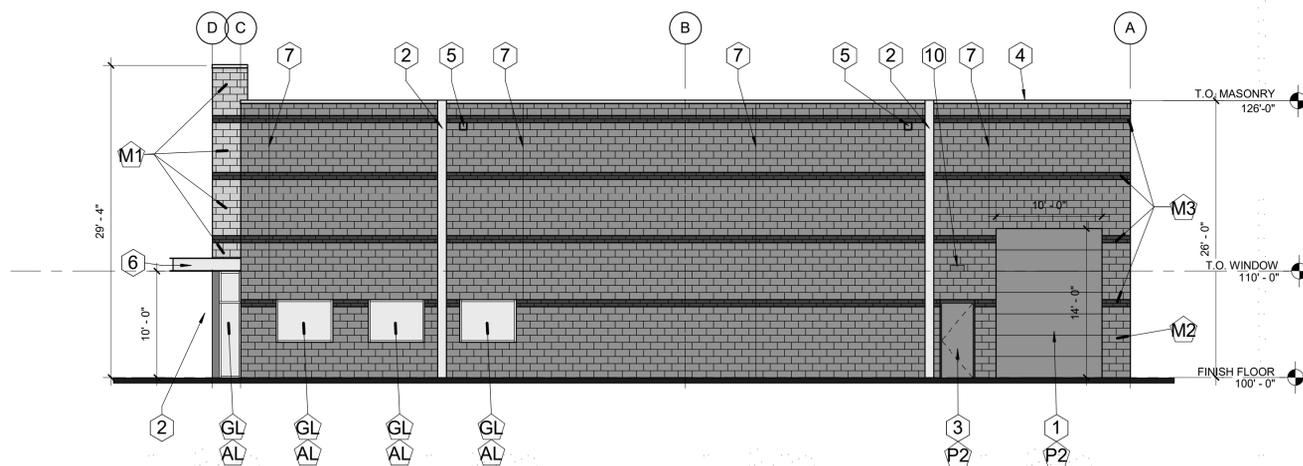
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- 1" MASONRY (M2) INSET. SEE FINISH LEGEND.
- BUILDING / SITE LIGHT FIXTURE. SEE ELECTRICAL.
- FDC W/ APPROVED KNOX CAPS.
- KNOX BOX. CONFIRM FINAL LOCATION WITH FIRE DEPARTMENT.



1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



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GL	[Pattern]	1" INSULATED LOW E GLAZING	PPG SOLARBAN 60 (2) SOLEXIA + CLEAR
P1	[Pattern]	PAINTED STEEL CANOPY	SHERWIN WILLIAMS ALUMINUM BONDPLEX
P2	[Pattern]	ACCENT PAINT	PAINT TO MATCH ADJACENT WALL COLOR



2 EAST ELEVATION
SCALE: 1/8" = 1'-0"



GENERAL NOTES:

1. ALL ROOFTOP MECHANICAL EQUIPMENT AND VENTS GREATER THAN EIGHT INCHES IN DIAMETER MUST BE SCREENED. SCREENING MAY BE DONE EITHER WITH AN EXTENDED PARAPET WALL OR A FREESTANDING SCREEN WALL OF A MATERIAL, COLOR, AND DESIGN MATCHING THE BUILDING. SCREENS SHALL BE AT LEAST AS HIGH AS THE EQUIPMENT THEY HIDE. IF EQUIPMENT IS VISIBLE BECAUSE SCREENS DON'T MEET THIS MINIMUM HEIGHT REQUIREMENT, THE DIRECTOR OF PLANNING MAY REQUIRE CONSTRUCTION MODIFICATIONS PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

2. PAINT ALL HOLLOW METAL DOORS, OVERHEAD DOORS AND MISC. METALS TO MATCH ADJACENT WALL PAINT COLOR.

AMENDMENTS

ALLIANCE ROOFING
AURORA CENTRETECH PARK SUBDIVISION, FILING 10, AMENDMENT 1
AURORA, COLORADO 80011

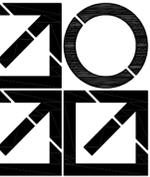
DATE	DESC.
03.29.2016	PRE-APP
08.11.2016	SITE PLAN APPL
11.23.2016	RESUBMITTAL
01.12.2017	RESUBMITTAL
04.25.2018	RESUBMITTAL

SP-9
EXTERIOR
ELEVATIONS

ALLIANCE ROOFING SITE PLAN

AURORA CENTRETECH PARK SUBDIVISION FILING NO. 10 AMENDMENT 1,
SITUATED IN THE NORTHEAST ONE-QUARTER OF THE NORTHWEST
ONE-QUARTER OF SECTION 8,
TOWNSHIP 4 SOUTH, RANGE 66 WEST
OF THE 6TH PRINCIPAL MERIDIAN,
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

BS-9971



INTERGROUP
ARCHITECTS

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Littleton, Colorado 80120
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www.igarch.com

GENERAL NOTE

DISTANCE FROM CURB TO CENTER OF LIGHT POLE BASES SHALL BE NO LESS THAN 2'-0". SET BACK FROM CURB IS TO ENSURE THAT FIXTURE HEAD DOES NOT ENCRoACH INTO THE DRIVE AISLE FIRE LANE EASEMENT. REFER TO CUT SHEET FOR ADDITIONAL INFORMATION ON FIXTURES 'AA', 'CC', AND 'DD' DIMENSIONS.

EXTERIOR LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMPS
AA	MCGRAM EDISON	GLEON-AE-03-LED-EI-SL4-BK-100	SINGLE HEAD, LED PARKING FIXTURE, Type IV w/SPILL CONTROL, BLACK FINISH	22'-6" OAH 20'-0" POLE 30" BASE	LED IA DRIVER LUMENS 10A80 105 WATTS 120-277V
BB	MCGRAM EDISON	GLEON-AE-03-LED-EI-SL4-BK-114-100	SINGLE HEAD, LED PARKING FIXTURE, Type IV w/SPILL CONTROL, BLACK FINISH	HEIGHT PER PLANS	LED IA DRIVER LUMENS 10A80 105 WATTS 120-277V
CC	MCGRAM EDISON	GLEON-AE-03-LED-EI-SL3-BK-100-H55	SINGLE HEAD, LED PARKING FIXTURE, Type III w/SPILL CONTROL, HOUSE SIDE SHIELD, BLACK FINISH	22'-6" OAH 20'-0" POLE 30" BASE	LED IA DRIVER LUMENS 11A51 105 WATTS 120-277V
DD	MCGRAM EDISON	GLEON-AE-03-LED-EI-SL4-BK-100-H55	SINGLE HEAD, LED PARKING FIXTURE, Type IV w/SPILL CONTROL, HOUSE SIDE SHIELD, BLACK FINISH	22'-6" OAH 20'-0" POLE 30" BASE	LED IA DRIVER LUMENS 10A80 105 WATTS 120-277V
EE	MCGRAM EDISON	1ST-FOH-LED-EI-BLS-BK	HALL MOUNTED LED SCONCE, TYPE III w/BACKLIGHT CONTROL, BLACK FINISH	HEIGHT PER PLANS	LED IA DRIVER LUMENS 2231 26 WATTS 120-277V
FF	EATON	PD61CEDOIOREY-PDM6ADMO-61VH	RECESSED 6 INCH LED DOWN LIGHT NET LOCATION LISTED	CEILING	LED LUMENS 1104 13.2 WATTS 120-277V
GG	EATON	303-BH-LED-BI-4000-UNV-T4-DIMIO-BK-36	36" LED BOLLARD, TYPE IV FORWARD THROU, CLEAR IMPACT RESISTANT TEMPERED GLASS LENS, NET LOCATION LISTED	GROUND	LED LUMENS 64T 8.5 WATTS 120-277V

Illuminance Requirements

Space Type	Minimum Average Illuminance Requirement	Actual Average Illuminance
Commercial Parking		2.0 fc / 2.4 fc

MEP PROJECT #16221
DESIGNED BY: MTS CHECKED BY: DGM



MEP
ENGINEERING INC.
CLIENT CENTRIC CONSULTING

6402 S. Troy Circle, Suite 100 (W) 303.936.1633
Centennial, CO 80111 (F) 303.934.3299
info@mep-eng.com www.mep-eng.com

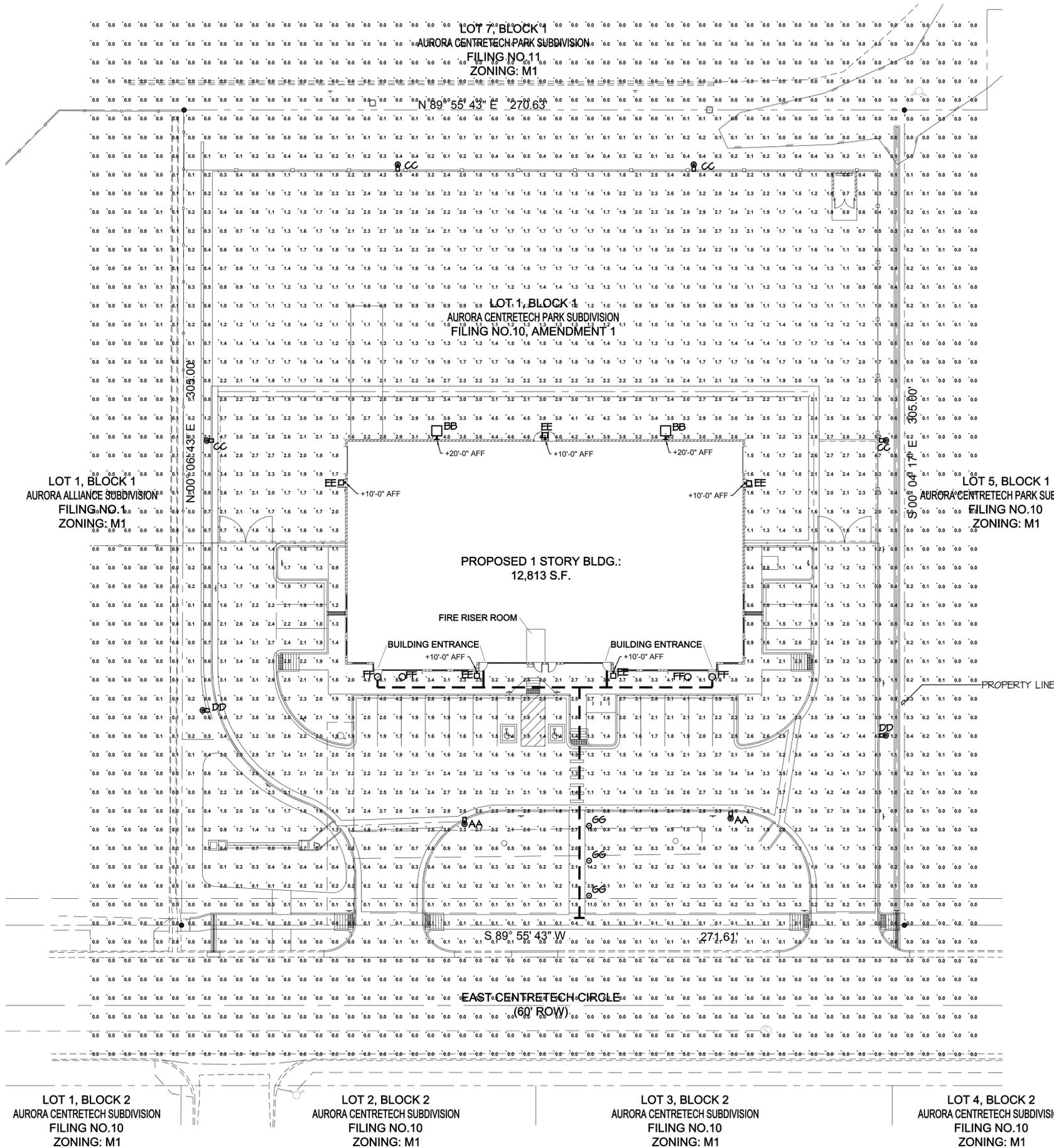
AMENDMENTS

Alliance Roofing
AURORA CENTRETECH PARK SUBDIVISION, FILING NO. 10, AMENDMENT 1
AURORA, CO 80011

DATE	DESC.
03.29.2016	PRE-APPLICATION
08.11.2016	SITE PLAN APPL.
11.23.2016	RESUBMITTAL
01.12.2017	RESUBMITTAL
04.25.2018	RESUBMITTAL

SP-10

PHOTOMETRIC PLAN



PROPOSED 1 STORY BLDG.:
12,813 S.F.

FIRE RISER ROOM

BUILDING ENTRANCE
+10'-0" AFF

BUILDING ENTRANCE
+10'-0" AFF

PROPERTY LINE

S 89° 55' 43" W 271.61'

EAST CENTRETECH CIRCLE
(60' ROW)

LOT 1, BLOCK 2
AURORA CENTRETECH SUBDIVISION
FILING NO. 10
ZONING: M1

LOT 2, BLOCK 2
AURORA CENTRETECH SUBDIVISION
FILING NO. 10
ZONING: M1

LOT 3, BLOCK 2
AURORA CENTRETECH SUBDIVISION
FILING NO. 10
ZONING: M1

LOT 4, BLOCK 2
AURORA CENTRETECH SUBDIVISION
FILING NO. 10
ZONING: M1



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

ALLIANCE ROOFING SITE PLAN

AURORA CENTRETECH PARK SUBDIVISION FILING NO. 10 AMENDMENT 1,
SITUATED IN THE NORTHEAST ONE-QUARTER OF THE NORTHWEST
ONE-QUARTER OF SECTION 8,
TOWNSHIP 4 SOUTH, RANGE 66 WEST
OF THE 6TH PRINCIPAL MERIDIAN,
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

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www.igarch.com

ALL LIGHT SOURCES WILL BE FULL CUT-OFF TYPE LUMINAIRES AND WILL BE CONCEALED OR SHIELDED TO THE MAXIMUM EXTENT POSSIBLE TO MINIMIZE THE POTENTIAL FOR GLARE AND UNNECESSARY DIFFUSION ON THE ADJACENT PROPERTY.

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Alliance Roofing
AURORA CENTRETECH PARK SUBDIVISION, FILING NO. 10, AMENDMENT 1
AURORA, CO 80011

MEP PROJECT #1622L
DESIGNED BY: MTS CHECKED BY: DGM

MEP
ENGINEERING INC.
CLIENT CENTRIC CONSULTING

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Centennial, CO 80111 (F) 303.934.3299
info@mep-eng.com www.mep-eng.com

DATE	DESC.
03.29.2016	PRE-APPLICATION
08.11.2016	SITE PLAN APPL.
11.23.2016	RESUBMITTAL
01.12.2017	RESUBMITTAL
04.25.2018	RESUBMITTAL

AMENDMENTS

SP-11
PHOTOMETRIC DETAILS

McGraw-Edison

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/CUL Listed for wet locations.

Catalog #	Type
Project	AA, BB, CC, DD
Comments	TYPE 'BB' IS WALL MOUNTED
Prepared by	Date

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
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) and 3000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 50Hz 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 10kV of transient line surge. The Galleon 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 50,000 hours. Available in standard 1A drive current and optional 530mA and 200mA drive currents.

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

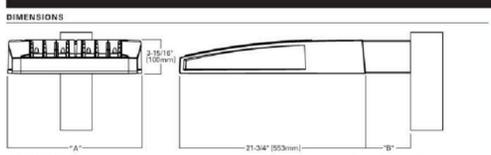
Round pole adapter included. For wall mounting, specify wall mount bracket option. 3G vibration rated. QUICK MOUNT ARM: Arm is bolted directly to the pole and the fixture slides onto the quick mount arm and is secured via a single fastener, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the 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 colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.



Number of Light Squares	"4" Width	"8" Standard Arm Length	"8" Optional Arm Length	Weight with Arm (lbs.)	EMA with Arm (ft.)
1-4	16-1/2" (419mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	12" (305mm)	54 (24.5 kgs.)	1.07
9-10	32-3/4" (837mm)	7" (178mm)	14" (356mm)	63 (28.6 kgs.)	1.12



TYPE 'B'	3-1/2" (91mm) Diameter Hole	3" (76mm) Diameter Hole	2-1/2" (64mm) Diameter Hole	2" (51mm) Diameter Hole
1-4	16-1/2" (419mm)	16-1/2" (419mm)	16-1/2" (419mm)	16-1/2" (419mm)
5-6	21-5/8" (549mm)	21-5/8" (549mm)	21-5/8" (549mm)	21-5/8" (549mm)
7-8	27-5/8" (702mm)	27-5/8" (702mm)	27-5/8" (702mm)	27-5/8" (702mm)
9-10	32-3/4" (837mm)	32-3/4" (837mm)	32-3/4" (837mm)	32-3/4" (837mm)

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McGraw-Edison

DESCRIPTION

The Impact Elite family of wall luminaires is the ideal complement to site design. Incorporating modular LightBAR™ 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. UL/CUL listed for wet locations.

Catalog #	Type
Project	EE
Comments	Date
Prepared by	

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 secured via two captive fasteners. Optional tamper-resistant Torx™ head fasteners offer vandalism resistant access to the electrical chamber.

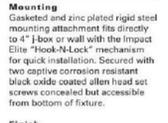
Optics
Choice of six patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements.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

Electrical
LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operational efficiency, 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/10kA common – and differential – mode surge protection. LightBARs feature an IP66 enclosure rating and maintain greater than 95% lumen maintenance at 50,000 hours per IESNA TM-21. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting
Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" I-beam or wall with the Impact Elite "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws concealed but accessible from bottom of fixture.

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.



Series *	Color Temperature	Input Voltage	Optics	Dimming	Finish †	Height ‡	Options †
303-B1-LEDB1	2700-3000K	120-277V	T2 = Type B, Lateral Throw	DMWV=Trailing Edge Phase Dimming Driver	Black, White, Bronze, Silver, Dark Platinum, Graphite Metallic	12x12"	EDGE-All-glass lens, PCT-PhotoControl 120V, PCT-PhotoControl 200-277V, RRU-Resopacals, In Use (120V Only), RFL-PhotoControl, Filo-List (120V Only), AP-Photo (120V Only), LAR-Resopacals & Resopacals*

Series *	Color Temperature	Input Voltage	Optics	Dimming	Finish †	Height ‡	Options †
303-B1-LEDB1	2700-3000K	120-277V	T2 = Type B, Lateral Throw	DMWV=Trailing Edge Phase Dimming Driver	Black, White, Bronze, Silver, Dark Platinum, Graphite Metallic	12x12"	EDGE-All-glass lens, PCT-PhotoControl 120V, PCT-PhotoControl 200-277V, RRU-Resopacals, In Use (120V Only), RFL-PhotoControl, Filo-List (120V Only), AP-Photo (120V Only), LAR-Resopacals & Resopacals*

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March 14, 2016

Halo Commercial

DESCRIPTION

Recessed 6-inch LED lens downlight is available in various distributions, lumen and CRI/CCT options. Suitable for commercial construction and can be used for new or renovation work. Insulation must be kept 3" from top and sides of housing. Use for general area lighting where high efficiency and visual comfort are required.

Catalog #	Type
Project	FF
Comments	Date
Prepared by	

SPECIFICATION FEATURES

MECHANICAL
Frame
Boat shaped galvanized steel frame with adjustable plaster lip accommodates ceilings up to 1/2" thick. May be used for new construction or remodeling installations. Provided with (2) remodel clips to secure frame when installed from below the ceiling.

Reflector
One piece parabolic aluminum reflector provides cutoff for a visually comfortable optic. Attaches to LED module with (3) speed clamps minimizing light leaks to lens. Self-flanged standard with an optional white painted flange.

Trim Retention
Reflectors are retained with two torsion springs holding the flange tightly to the finished ceiling surface.

Electrical Junction Box
(6) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (12) #12 AWG (six in, six out) 90°C conductors and feed thru branch wiring.

Driver
Integral UNV 120 - 277V 50/60 Hz constant current driver provides noise free operation. For 347V input use Halo transformer #347 or H347200. Continuous, flicker-free dimming from 100% to 10% with leading or trailing edge phase out at 120V or 0-10V analog control.

Emergency Option
Provides 30 minutes of standby lighting meeting most life safety codes for egress lighting. Available with both integral or remote charge indicator and test switch.

Compliance
- eULus listed for wet location
- IP66 Ingress Protection Rated
- Insulation must be kept 3" from top and sides.
- Airtight per ASTM-E283.
- Optional City of Chicago environmental air (CCSA) marking for plenum applications.
- E-MURFI emissions per FCC 47CFR Part 18 non-consumer limits.
- In accordance with IES LM-80-08 and TM-21-11.
- Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.
- ENERGY STAR® listed for commercial applications, reference database for current listings.

Series *	Color Temperature	Input Voltage	Optics	Dimming	Finish †	Height ‡	Options †
PD610	2700-3000K	120-277V	T2 = Type B, Lateral Throw	DMWV=Trailing Edge Phase Dimming Driver	Black, White, Bronze, Silver, Dark Platinum, Graphite Metallic	12x12"	EDGE-All-glass lens, PCT-PhotoControl 120V, PCT-PhotoControl 200-277V, RRU-Resopacals, In Use (120V Only), RFL-PhotoControl, Filo-List (120V Only), AP-Photo (120V Only), LAR-Resopacals & Resopacals*

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TD50100EN
March 14, 2016



Series *	Color Temperature	Input Voltage	Optics	Dimming	Finish †	Height ‡	Options †
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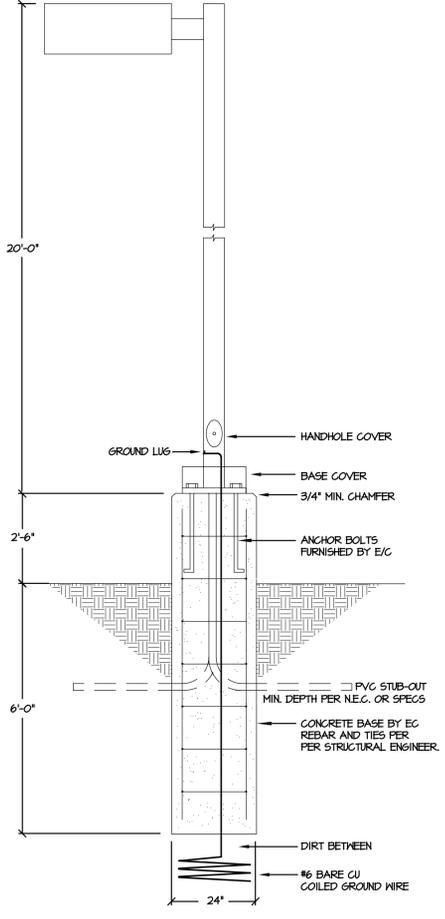
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TD50100EN
March 14, 2016



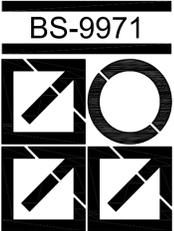
EATON
Powering Business Worldwide

TD50100EN
March 14, 2016

ALLIANCE ROOFING SITE PLAN

AURORA CENTRETECH PARK SUBDIVISION FILING NO. 10 AMENDMENT 1,
SITUATED IN THE NORTHEAST ONE-QUARTER OF THE NORTHWEST
ONE-QUARTER OF SECTION 8,
TOWNSHIP 4 SOUTH, RANGE 66 WEST
OF THE 6TH PRINCIPAL MERIDIAN,
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO

ALL LIGHT SOURCES WILL BE FULL CUT-OFF TYPE LUMINAIRES AND WILL BE CONCEALED OR SHIELDED TO THE MAXIMUM EXTENT POSSIBLE TO MINIMIZE THE POTENTIAL FOR GLARE AND UNNECESSARY DIFFUSION ON THE ADJACENT PROPERTY.



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Alliance Roofing
AURORA CENTRETECH PARK SUBDIVISION, FILING NO. 10, AMENDMENT 1
AURORA, CO 80011

MEP PROJECT #1622L
DESIGNED BY: MTS CHECKED BY: DGM

MEP
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DATE	DESC.
03.29.2016	PRE-APPLICATION
08.11.2016	SITE PLAN APPL.
11.23.2016	RESUBMITTAL
01.12.2017	RESUBMITTAL
04.25.2018	RESUBMITTAL

AMENDMENTS

SP-11

PHOTOMETRIC DETAILS

Halo Commercial

DESCRIPTION	Type
Recessed 6-inch LED lens downlight is available in various distributions, lumen and CRI/CCT options. Suitable for commercial construction and can be used for new or renovation work. Insulation must be kept 3" from top and sides of housing. Use for general area lighting where high efficiency and visual comfort are required.	FF

MECHANICAL
Frame Boat shaped galvanized steel frame with adjustable plaster lip accommodates ceilings up to 1/2" - 2" thick. May be used for new construction or remodeling installations. Provided with (2) remodel clips to secure frame when installed from below the ceiling.

Mounting Brackets Bar hanger receivers adjust 2" vertically from above the ceiling or thru the aperture. Use with No Fuss™ bar hangers or with 1/2" EMT. Removable to facilitate installation from below the ceiling.

No Fuss™ Bar Hangers Captive preinstalled bar hanger locks to tee grid with a screwdriver or pliers. Centring mechanism allows consistent positioning of fixtures.

OPTICAL LED Module Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no palliation. Available in 80 or 90 CRI minimum, accuracy within 3 SDCM provides color uniformity. See ordering information for available CRI/CCT options. Passive thermal management achieves L70 at 50,000 hours in non-IC applications. Integral diffuse lens provides visual shielding. Integral connector allows quick connection to housing flux.

Reflector One piece parabolic aluminum reflector provides cutoff for a visually comfortable optic. Attaches to LED module with (3) speed clamps minimizing light leaks to lens. Self-flanged standard with an optional white painted flange.

Trim Retention Reflectors are retained with two torsion springs holding the flange tightly to the finished ceiling surface.

ELECTRICAL Junction Box (6) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. List # for (12) #12 AWG (six in, six out) 90°C conductors and feed thru branch wiring.

Driver Integral UNV 120 - 277V 50/60 Hz constant current driver provides noise free operation. For 347V input use Halo transformer #347 or H347200. Continuous, flicker free dimming from 100% to 10% with leading or trailing edge phase out at 120V or 0-10V analog control.

Emergency Option Provides 30 minutes of standby lighting meeting most life safety codes for egress lighting. Available with both integral or remote charge indicator and test switch.

Compliance
- eULus listed for wet location
- IP66 Ingress Protection Rated
- Insulation must be kept 3" from top and sides.
- Airtight per ASTM-E283.
- Optional City of Chicago environmental air (CCSA) marking for plenum applications.
- E-MURFI emissions per FCC 47CFR Part 18 non-consumer limits.
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08.
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.
- ENERGY STAR® listed for commercial applications, reference database for current listings.

PD610
PD615
PD620
PD630
PDM6A
61V
1000, 1500,
2000 & 3000
Lumen Series
LED
6-Inch Aperture
Lens Downlight

THD ≤ 20%
PF > 0.96
T Ambient -30 ~ +40°C
Sound Rating ≤ 22dba

Lumens	1000 Series	Lumens	1500 Series	Lumens	2000 Series	Lumens	3000 Series
Input Voltage	120V 277V	Input Voltage	120V 277V	Input Voltage	120V 277V	Input Voltage	120V 277V
Input Current	1.03 A .084 A	Input Current	1.46 A .1 A	Input Current	1.75 A .126 A	Input Current	2.60 A .184 A
Input Power	12.1 W 13.2 W	Input Power	17.1 W 17.9 W	Input Power	20.78 W 21.06 W	Input Power	35.72 W 36.4 W
Efficiency	88 LPW 88 LPW	Efficiency	87 LPW 87 LPW	Efficiency	89 LPW 89 LPW	Efficiency	82 LPW 82 LPW
Inrush Current	.048 A .080 A	Inrush Current	1.820 A 0.960 A	Inrush Current	0.94 A .128 A	Inrush Current	0.96 A .028 A

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4/25/2016

Lumière

DESCRIPTION	Type
Eon 303-B1-LEDB1 is a compact, low profile, dimmable, LED bollard that provides downlight only via a fixed head. 303-B1-LEDB1 has a single head on one side of the luminaire. The bollard comes standard with universal input LED driver (120-277V, 50/60 Hz). Dimming is achieved with a standard ELY, reverse phase dimming driver or an optional 0-10V dimming driver. Eon fixtures may be used indoors or outdoors and carry an IP66 rating. The patented LumaLevel™ leveling system provides quick installation, easy adjustment, secure mounting and protection from vibration.	GG

303-B1-LEDB1
EON LED

APPLICATIONS:
BOLLARD

CONSTRUCTION
The head of the 303-B1-LEDB1 is precision machined from corrosion-resistant 6061-T6 aluminum. Body is extruded aluminum and adjustable mounting base is cast from corrosion resistant aluminum alloy. Stainless steel hardware is included. Four (4) 3/8" x 1/2" galvanized anchor bolts and a galvanized steel anchor bolt template are standard. Specify option -L48 and order the anchor bolt/template kit separately (Catalog #7881-01PK).

Optical
LightBAR™ and optical assembly are sealed by a clear, impact resistant tempered glass lens. The optical assembly is available in three distributions: T2 (laterals), T4 (forward throw) and TX (Flood). Available in several color temperatures: 2700K, 3000K, 3500K.

Finish
Luminaire and mounting base are double protected by a RoHS compliant chemical film undercoating and polyester powdercoat paint finish. The mounting base is painted black. The luminaire housing and head are available in a variety of standard colors. RAL and custom color matches are available upon request. As an option, the Eon bollards are also available in colors to match other outdoor Eon products, such as Invisu. See the Finish section in the ordering detail for more detail.

Warranty
Luminaire warrants the EON series of fixtures against defects in material and workmanship for five (5) years. Auxiliary equipment such as LED drivers carries the original manufacturer's warranty.

CERTIFICATION DATA
UL and cUL, PSE accented Listed LM79 / LM80 Compliant RoHS Compliant IP66 Ingress Protection Rated

TECHNICAL DATA
80°C Maximum Temperature Rating External Supply Wiring 80°C Minimum

ORDERING INFORMATION
Sample Number: 303-B1-LEDB1-2700-120-T2-DIMM-8K-42-EDGE-PC1-RFL-LAB

Series *	Color Temperature	Input Voltage	Optics	Dimming	Finish *	Height *	Options *
303-B1-LEDB1	2700-3000K	UNV=120-277V/120-120V	T2=Type R, Lateral/Throw	DMELV=Trailing Edge Phase Dimming Driver	Painted BK-Black, EB-Black, CS-City Silver, WT-White, Fluorobond, AP-Chrom, DM-Dark Platinum, GM-Graffiti Metallic	12x12" / 26-26" / 36-36" / 48-48"	EDGE-Edge (8 glass lens, PC1-Photoconductive 120V/277V, PC2-Photoconductive 200-277V, RRA-Resopacels, In Use (120V Only), RFL-Reflectors, F10-List (120V Only), L48-Lead Anchor Bolts & Template *

SHIPPING DATA
Approximate Net Weight: 10 lbs. (4.5 kg.)

EATON TD51001EN
March 14, 2016

McGraw-Edison

DESCRIPTION	Type
The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy-conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.	AA,BB,CC,DD

CONSTRUCTION
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
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 and 3000K 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 systems only. Standard with 0.10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 100V of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the H4 (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 530mA and 200mA drive currents.

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

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 colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.

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

GLEON
GALLEON LED

DIMENSIONS
21.34" (543mm) x 3.75" (102mm)

DIMENSION DATA

Light Squares	"4" Width	"8" Standard Arm Length	"8" Optional Arm Length	Weight with Arm (lbs.)	EPA with Arm (ft. L)
1-4	16-1/2" (419mm)	7" (178mm)	10" (254mm)	33 (15.0 kg.)	0.36
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kg.)	1.06
7-8	27-5/8" (702mm)	7" (178mm)	10" (254mm)	54 (24.5 kg.)	1.07
9-10	32-3/8" (837mm)	7" (178mm)	10" (254mm)	62 (28.6 kg.)	1.12

DRILLING PATTERN

TYPE 'N'
3/4" (19mm) Diameter Hole
7/8" (22mm) Diameter Hole
1/2" (13mm) Diameter Hole

CERTIFICATION DATA
UL and cUL, PSE accented Listed LM79 / LM80 Compliant 3G Vibration Rated IP66 Rated DesignLights Consortium™ Qualified*

ENERGY DATA
Electronic LED Driver
40-30 Power Factor
-20% Total Harmonic Distortion
120-277V/50/60Hz, 347V & 480V/60Hz
-40°C Min. Temperature
80°C Max. Temperature
90°C Max. Temperature (HA Option)

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4/25/2016

McGraw-Edison

DESCRIPTION	Type
The Impact Elite family of wall luminaires is the ideal complement to site design. Incorporating modular LightBAR™ 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. UL/cUL listed for wet locations.	EE

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 secured via two captive fasteners. Optional tamper-resistant Torx™ head fasteners offer vandalism resistant access to the electrical chamber.

Optics
Choice of six 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 CCT, 5000K CCT and 5700K CCT.

Electrical
LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operational efficiency, 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/10kA common - and differential - mode surge protection. LightBARs feature an IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting
Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" I-beam or wall with the Impact Elite "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws concealed but accessible from bottom of fixture.

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.

1-2 LightBARs
Solid State LED
WALL MOUNT LUMINAIRE

ISC/ISS/IST/ISW
IMPACT ELITE LED

DIMENSIONS
Cylinder: 18" (457mm) x 11" (279mm)
Quarter Sphere: 18" (457mm) x 11" (279mm)
Wedge: 18" (457mm) x 11" (279mm) x 16-1/2" (419mm) x 16-1/2" (419mm)

HOOK-N-LOCK MOUNTING

CERTIFICATION DATA
UL and cUL, PSE accented Listed LM79 / LM80 Compliant IP66 Ingress Protection Rated DesignLights Consortium™ Qualified*

ENERGY DATA
Electronic LED Driver
40-30 Power Factor
-20% Total Harmonic Distortion
120-277V/50/60Hz, 347V/60Hz, 480V/60Hz
-40°C Minimum Temperature
80°C Ambient Temperature Rating

SHIPPING DATA
Approximate Net Weight: 10 lbs. (4.5 kg.)

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