



**REGULAR MEETING OF THE
CITY OF CONCORD
DESIGN REVIEW BOARD**

**Thursday, January 8, 2015
5:30 p.m., Regular Meeting
PERMIT CENTER CONFERENCE ROOM
1950 Parkside Drive, Bldg. D**

Design Review Board Members

Jack Moore, Chair

Ross Wells, Vice Chair

Peter Harmon

Kirk Shelby

Ernesto Avila – Planning Commission Liaison

AGENDA

PUBLIC COMMENT PERIOD

ADDITIONS/CONTINUANCES/WITHDRAWALS

CONSENT CALENDAR

A. 12/11/14 Meeting Minutes

STAFF REPORTS

1. [Meridian Square @ 1100 Concord Avenue](#) (PL140047 – DR)
Project Planner: G. Ryan Lenhardt @ (925) 671-3162.

HEARINGS – None

BOARD CONSIDERATIONS/ANNOUNCEMENTS

STAFF ANNOUNCEMENTS

ADJOURNMENT

NOTICE TO PUBLIC

No item will be considered for hearing after 9 P.M. Items remaining on the agenda will be rescheduled.

At the beginning of the meeting any items to be held over will be announced. The staff may bring up following this, any items on the agenda that are of a routine and non-controversial nature, and the chairperson may call for action on these items without further discussion if there is no opposition present at the meeting. Normal hearings will then proceed for the remainder of the agenda.

Staff will not provide written summaries of the Board's discussions on preliminary review or continued agenda items. Applicants should be prepared to take all necessary notes regarding the Board's comments, suggestions, and directions on projects, or schedule an appointment to review tape recordings of the meetings. For items resulting in a final action by the Board, action letters will be prepared by staff and distributed to the applicant.

Correspondence and writings received that constitutes a public record under the Public Records Act concerning any matter on this agenda are available for inspection during normal business hours by contacting the Planning Division, located at 1950 Parkside Drive, Wing D, Concord, CA. For additional information contact (925) 671-3152.

In accordance with the Americans with Disabilities Act and California Law, it is the policy of the City of Concord to offer its public programs, services and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are disabled and require a copy of a public hearing notice, or an agenda and/or agenda packet in an appropriate alternative format; or if you require other accommodation, please contact the ADA Coordinator at (925) 671-3031, at least five (5) days in advance of the hearing. Advance notification within this guideline will enable the City to make reasonable arrangements to ensure accessibility.

NEXT DESIGN REVIEW BOARD MEETINGS:

January 22, 2015

February 12, 2015

MEMORANDUM

January 8, 2015

TO: Design Review Board members
FROM: G. Ryan Lenhardt, Senior Planner
SUBJECT: Meridian Square – Staff Report

Background

The Board recommended approval of the Meridian Square commercial development on June 26, 2014 and conditioned the project so that exterior elevations and sign details return for approval. The Board subsequently reviewed the project on October 23 and November 20, 2014 and recommended approval of the architectural details and signage with conditions.

On December 19, 2014, the applicant submitted an amendment to the design review approval stating, “Labor costs have increased, there are multiple specialized trades needed to construct the project, and the bid process revealed the level of finish and detail was fiscally unattainable.” The applicant is requesting modifications to the building façade, landscaping, site design, and master sign program. The proposed modifications and corresponding plan sheets are enclosed as Exhibit D.

Staff supports the proposed changes insomuch as they uphold the Board’s original approval with some exceptions as outlined below. Staff’s primary concern is whether sufficient detail is being maintained along the most visible portions of the project namely the Concord Avenue and Meridian Park Boulevard building elevations and the outdoor patio. The approved design elements are *italicized* below followed by the applicant’s response in **bold** and then staff’s comments and recommendations when applicable.

I. Building Façade Changes

Masonry – Portion of elevation had wainscot with precast banding, caps, and wall tile.

Change precast members to stucco shape and replace tile below with accent stucco color. Use heavy gauge mesh at stucco for finish protection at sidewalk adjacency level.

The removal of the masonry wainscot reduces the building detail at a pedestrian level and creates a potential maintenance issue given its location in high use areas. Staff recommends the Board discuss the appropriateness of using stucco in place of the masonry material given its tendency to show wear and damage.

Lighting

Continuous signage lights at top of building.

Redundant signage lights have been removed at the top band of the building.

The removal of the decorative lights detracts from the overall detail of the building. Staff recommends the Board discuss the merit of locating a few decorative up/down lights to accent the building facade.

Building Trellises

Stuck on linear trellis on building A and B. Three layered trellis above entries.

The number of on-building trellises has been reduced and some trellises have been modified to green screen. The design of the remaining trellises have been simplified.

The elimination/simplification of the trellises removes a significant architectural element and detail from the buildings. Staff recommends keeping the trellis (or a reasonable facsimile) on the north side of Building A, above the entry on the east side of Building B, and discuss the appropriateness of three green screens on the west side of Building B.

2. Site Changes

Triangular patio trellis on the east side of the plaza.

Changed to a timber portal that is aligned with the axis of the plaza.

The removal of the trellis is a significant modification to the project given the visibility of the site at the intersection, this being the predominant outdoor eating space for customers, and the Board's direction to create an attractive amenity for the shopping center. Staff recommends the Board discuss the feasibility of constructing a facsimile of the trellis (e.g., wood posts with wire cross members) that would provide for climbing plants and provide shade for outdoor dining.

Accessories – Planter pots and patio furniture provided on landscape plan.

Remove pots and patio furniture (except bike racks) from shell permit and requirements. Allow tenants to provide furniture if needed.

Landscape furniture such as shared seating, trash receptacles, and urns (if applicable), should be coordinated. Consider allowing tenants to provide their own seating (tables and chairs) on the patio, establish an approved list of materials/colors for umbrellas (if applicable), and prohibit additional advertising/signage on umbrellas and/or similar shade elements.

Exhibits:

- A - Revised written statement date stamp received December 19, 2014
- B - Matrix of proposed changes date stamp received December 19, 2014
- C - Lighting specifications date stamp received December 19, 2014
- D - Proposed revised plans date stamp received December 19, 2014
- E - Excerpt - Approved plans date stamp received October 16, 2014



RECEIVED

DEC 19 2014

PLANNING

December 18, 2014

City of Concord
Planning Division
Community & Economic Development Department
1950 Parkside Drive, M/S 53
Concord, CA 94519-2578

RE: Building Revisions PL140047-AA, DR
LRG Investors, LLC, 1100 Concord Avenue
Assessor's Parcel Number 126-010-054-8

Dear Staff and Board,

While the proposed project was under final Land Use review the team prepared construction documents and put the project out to bid. During this process it was determined that the building's level of finish and detail were fiscally unattainable. Coming in significantly over budget the project would be terminated as economically unviable without changes to reduce the cost. As such, the design team has revisited the Design Commission's prior comments and the conditions of approval in order to revise the proposal.

Care was taken to ensure that the integrity and quality of the approved plans was retained yet adequate financial relief provided to ensure the projects viability. Proposed changes to the buildings' facades retain the high quality, articulated, four-sided design desired by the Design Review Board while providing the required cost savings to ensure the project continues to move forward. The updated lighting, window sizes and parapet heights continue to be compatible with Heritage Square and retain the upmarket and contemporary design of the previous approval while eliminating costly custom features. Proposed site changes retain the project's appearance and function while also minimizing unnecessary elements such as site walls.

Changes at the plaza provide cost relief as well as improve practicality. By modifying the trellis it allows tenants better and full use of the plaza while continuing to provide a focal point at this key intersection. Elimination of the plaza furniture allows tenants to provide furnishings that better meet their needs so as to utilize the plaza space appropriately; ensuring that it is a center of activity and vibrancy. The increased landscaping around the plaza, including additional shade trees ensures that a sense of enclosure and shade are provided while maintaining a welcoming atmosphere at the pedestrian level.

Baysinger Partners Architecture

1006 SE Grand Ave., Suite 300
Portland, OR 97214
Phone: 503-546-1600
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www.BaysingerPartners.com

This letter accompanies revised drawings (site plan, elevations, grading, and landscape), lighting cut sheets and a table that concisely summarizes the changes, the reason for the change and reference sheet location for illustration of the change. We trust that this submittal will be to your satisfaction and look forward to your informed response in the near future.

Sincerely,



Jerry R. Baysinger, AIA
Senior Principal, Baysinger Partners Architecture



Approved	Proposed Changes	Reason	Sheet #
<p>1. Building Façade Changes</p> <p>A. Storefront Glass</p> <p>i. Glazing sizes vary across façade. Some openings are 20'-0"</p>	<p>Glazing sizes have been modified to standard window glazing sizes.</p>	<p>The approved plans included custom glazing sizes which result in a significant increase in costs. The standard sizes are marginally smaller and do not negatively impact the statement of the building, but represent a significant cost saving.</p>	<p>A201, A202</p>
<p>ii. No glazing along Building B's west and east facades.</p>	<p>Added glazing along Building B's west and east facades.</p>	<p>This additional glazing will allow the building to be two tenants if necessary.</p>	<p>A201, A202</p>
<p>B. Building Materials</p> <p>i. Painted CMU tower on building B</p>	<p>The areas previously specified as Concrete Masonry Unit (CMU) will be changed to a Thin Brick Veneer in HC muddox Jumbo thin</p>	<p>The brick provides a look similar to the CMU and retains the durability, resilience and minimal maintenance associated with CMU, but provides a significant savings in construction costs. This was and is to be painted to match the older shopping center. As such the color and texture are less important than the size and pattern</p>	<p>A201, A202,</p>

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<p>ii. Masonry – Portion of elevation had wainscot with Precast Banding, caps and wall tile</p>	<p>Change precast members to stucco shape and replace tile below with accent stucco color. Use heavy gauge mesh at stucco for finish protection at sidewalk adjacency level.</p>	<p>This is a budgetary, operational and maintenance item. The new stucco shape at the wainscot and stucco color change below will have a similar look and scale to the previous wainscot and the heavier duty mesh specified below will create good impact protection. While the previous suggested materials were in themselves durable, in an installation, they are more brittle and susceptible to falling off and cracking. They are much harder to fix (and match) once broken and the stucco is easier to patch and maintain if damaged.</p>	<p>A201, A202</p>
<p>C. Lighting</p>			
<p>i. Lighting submitted on elevations and plans.</p>	<p>Light models (building and pedestrian) have been modified to models of similar size, shape and design</p>	<p>Less costly models that retain the look, lighting level and quality of the approved plans were selected to reduce project cost.</p>	<p>A101, Lighting cut sheets</p>
<p>ii. Continuous Signage lights at top of building.</p>	<p>Redundant Signage lights have been removed at the top band of the building</p>	<p>Most signs are internally lit making the on-building sign lights redundant and an unnecessary cost. Lighting the top surface is a</p>	<p>A201, A202</p>
<p>D. Building Trellises</p>			
<p>i. Stuck on linear trellis on building A and B.</p>	<p>The number of on-building trellises has been reduced and some trellis' have been modified to Greenscreen.</p>	<p>The trellis' are a custom feature and costly due to materials and construction costs. Articulation of the facades is maintained through color changes and the inclusion of Greenscreens in key locations.</p>	<p>A201, A202</p>
<p>ii. Three layered trellis above entries</p>	<p>The design of the remaining trellis' have been simplified</p>	<p>The trellis design was simplified to reduce material and construction costs of these custom features. The overall look and utility (providing shade) of the trellis' has been retained.</p>	<p>A201, A202, A301</p>

<p>E. Tower Heights</p> <p>i. The approval heights of 32 feet for the tower elements and 25 and 22 feet for the lower parapet walls</p>	<p>Buildings have been reduced in height to 30 and 28 for the towers and 23 and 20 feet for the remaining parapets.</p>	<p>The reduction in height represents a cost savings in both material and labor and minimizes the impact to the buildings' appearance as we have also reduced the interior height. Therefore the relationship with the mechanical units has remained.</p>	<p>A201, A202, A301</p>
<p>2. Site Changes</p> <p>A. Patio Trellis</p> <p>i. Triangular Patio trellis on the east side of the plaza</p>	<p>Changed to a timber trellis portal that is aligned with the axis of the plaza</p>	<p>The original trellis was constraining on how the plaza space was able to be used by tenants. Coupled with the high material and construction cost for the custom feature the change in design allows for a reduction in cost while improving the functionality of the feature and the plaza. The proposed trellis portal provides the accentuation and definition of the both the plaza and key intersection while allowing full use of the plaza. Additional shade trees will be planted around the plaza to retain an adequate level of shading that was intended of the original trellis.</p>	<p>L-1, A101</p>

<p>B. Landscape Planting</p> <p>i. Large bioswale along Concord Avenue, Three trash enclosures</p>	<p>a. Individual Planter sizes have been reduced yet remain code compliant.</p> <p>b. A portion of the swale along Concord Ave has been removed and replaced with standard landscape materials.</p> <p>c. Plantings around the plaza have been increased.</p> <p>New bioswale in parking area where third trash enclosure will be removed</p>	<p>The reduction in landscape area and types of plantings (swale versus standard) represents a cost savings to the project without compromising the appearance and functionality of the landscape areas and project site. Increased plantings at the plaza serve to offset the proposed plaza trellis modification discussed in 2.A.i above.</p> <p>The existing bioswale within the parking field will be enlarged with the removal of the third trash enclosure so that the swale along Concord can be reduced and eliminate conflicts at the Concord frontage.</p>	<p>L-1, L-4, A101</p>
<p>C. Accessories</p> <p>i. Planter Pots and Patio Furniture provided on landscape plan</p>	<p>Remove pots and Patio Furniture (except bike racks) from shell permit and requirements. Allow tenants to provide furniture if needed.</p>	<p>Furnishings are not a part of the building design and are most often provided by tenants to ensure they fit their desired use. As the it is the tenants responsibility to maintain their plaza area and furnishing it is best left for them to provide the furnishing. Code required bicycle racks will continue to be provided. The elimination of plaza furnishings and planter pots represents necessary cost savings for the project.</p>	<p>L-1, A101</p>
<p>D. Patio Material: scored concrete, colored concrete, stamped concrete and pavers to colored concrete and scored concrete</p>	<p>Patio Material From scored concrete, colored concrete, stamped concrete and pavers to colored concrete and scored concrete</p>	<p>The existing patio had a mix of four different materials that increased the cost by having associated trades come out multiple times for the same area. The simplified plan will look cleaner, be easier to maintain and retains the access and center design that will be multi-functional and adaptable.</p>	<p>L-1, A101</p>

<p>E. Site Walls: Site walls along concord and meridian that were at edge of plaza</p>	<p>Eliminate all non-structural sitewalls. Provide more planting area at plaza.</p>	<p>All walls not required for structural purposes will be eliminated. The required wall alongside the new access drive on Concord Ave will remain. The walls have been removed as a cost savings measure.</p>	<p>L-1, A101</p>
<p>F. Trash Enclosure i. Materials. The trash enclosure will be constructed of stucco on masonry</p>	<p>The trash enclosure will be constructed of painted masonry to match building.</p>	<p>The painted masonry better matches both the existing abutting center and the tower elements of the proposed buildings.</p>	<p>A501</p>
<p>ii. Roof Structure of trash steel beams</p>	<p>Roof Structure will be changed from steel beams to timber</p>	<p>The proposed changes ensure the enclosure will be compatible with the proposed buildings and provides a cost savings for the project.</p>	<p>A101, A501</p>
<p>iii. Three site trash enclosures</p>	<p>Eliminate third trash enclosure</p>	<p>This enclosure will be removed as two enclosures are sufficient for the intended tenant mix.</p>	<p>A101, A501</p>
<p>3. Signage Changes Box/address sign with trellis above.</p>	<p>We have simplified the trellis component above the sign and the light feature of the sign to better reflect the new design, provide savings and be easier to change lamps. The updated elevations will also have the updated signage sheets along with incorporating the comments from the previous conditions of approval</p>	<p>Conditions of approval requested change to trellis at top of sign and light at side cabinet. Cost savings and maintenance item</p>	<p>Signage Packet</p>

SUBMITTAL INDEX FOR

CONCORD AVE RETAIL ALTERNATE

CONCORD, CA

TYPE	MFG.	DESCRIPTION	LAMP
E	LUMI	I407-10LED304I-I2-NBZ	
F	FSAF	HVSL8 2 LED3 2LO 35 UNV O EDID IP63	
G	INVU	MSA B01 LED EI 5MQ BZ PC VOLTAGE	
G	LUMA	RSSA410SFM5	
A	LUMI	303 SI LEDBI 3000 UNV T2 DIMIO CS 36	
B	LIWA	ANTW 15 LED U 15W 3 Z3 WTP DIM	
C	ANTI	ECM B03 LED EI 5MQ SO SN BZ PM48	
D	LUM	XTOR5A PC I	
LCP	GREE	LK8 LRC	
LCP	GREE	PPS 5	
A	LUMI	303 SI LEDBI 3000 UNV T2 DIMIO CS 36	
B	LIWA	ANTW 15 LED U 18W 3 Z3 WTP DIM	
C	INVU	ECM B03 LED EI 5MQ SO SN BZ PM48	
D	LUMA	XTOR5A PC I	
LCP	GREE	LK8 LRC	
LCP	GREE	PPS 5	
LCP	GREE	LK8 LRC	

DESCRIPTION

The Atlantis 1407 is an ultra compact underwater fixture for use with a low voltage dimmable LED or halogen MR16 lamp. Its heavy duty, adjustable mounting plate provides easy and secure aiming. A standard quick release mechanism enables easy relamping out of the water. Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple underwater lighting effects. The Atlantis series is designed for use in freshwater decorative ponds, fountains and water gardens. Not suitable for use in salt water.

CATALOG: 1407 10LED3041 12 NBZ
AREA SUTE A101 TYPE: E
PROJECT: 1100 CONCORD AVE RETAIL

SPECIFICATION FEATURES

A ... Material

Housing, hood and mounting plate are precision-machined from corrosion-resistant C932 bronze or 303/304 stainless steel.

B ... Finish

Solid bronzo or stainless steel finish is unpainted to reveal the natural beauty of the material.

C ... Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achlave multiple lighting effects. A standard quick release mechanism enables easy relamping out of the water.

D ... Gasket

Housing and hood are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

E ... Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

F ... Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

G ... Socket

Coramic socket with 250°C Teflon coated lead wires and GU5.3 bi-pin base.

H ... Cord & Fitting

Fixture is equipped with 15 feet of low voltage SJO cord and a machined, solid brass liquid tight fitting

I ... Electrical

Remote 12V transformer required (not included). Use Lumiere model T300 or equivalent only. Available from Lumiere as an accessory - see the Accessories & Technical Data section of the catalog for details. NOTE: Initial power draw on LED equipped fixtures can be up to 15 watts in cold weather. When sizing transformer use 15 watts per LED fixture. Nominal power draw after start up is 10 watts or 6 watts accordingly. Also, LEDs are more voltage sensitive than standard halogen MR16 lamps. The LED module is designed to operate between 10 and 13 volts. Any less or more voltage can cause premature failures.

J ... Lamp

UL and cUL listed, standard wet label. IP68 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Department of Buildings, Bureau of Electrical Control for use in NYC, NY. Some models are California Title 24 compliant. available in four color temperatures (2700K, 3000K, 4000K and 5700K), three distributions (spot, narrow and flood) and two field adjustable power levels (8watts or 10watts). Color temperature, distribution and power setting must be specified when ordering - see reverse side for details and catalog logic.

K ... Labels & Approvals

UL and cUL listed, standard wet label. IP68 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Department of Buildings, Bureau of Electrical Control for use in NYC, NY. Some models are California Title 24 compliant.

L ... Warranty

Lumiere warrants it's fixtures and LEDs against defects in materials & workmanship for five (5) years. Auxiliary equipment such as transformers, ballasts, drivers and lamps carry the original manufacturer's warranty.



**ATLANTIS
1407**

10W LED

6W LED

75W (max.) MR16

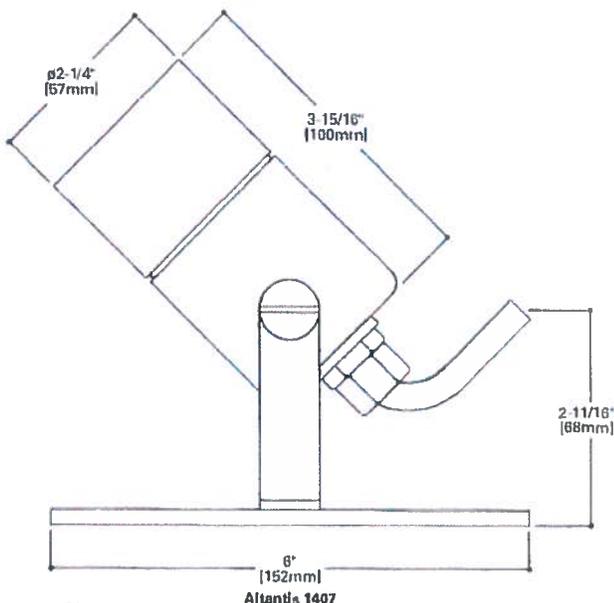
LED

Halogen

Low Voltage

UNDERWATER

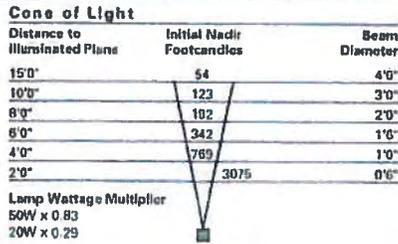
IP68



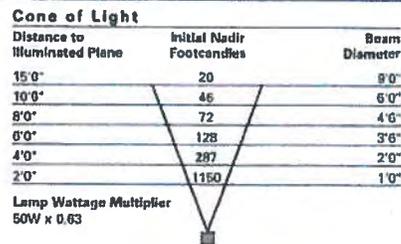
Atlantis 1407

PHOTOMETRIC DATA

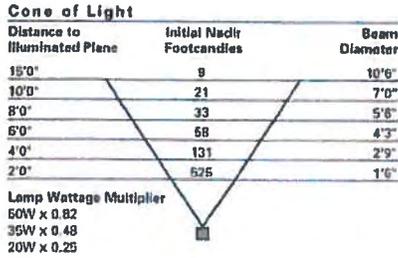
Atlantis 1407
Lamp=75MR16/NSP
(EYF)
CBCP=12,300



Atlantis 1407
Lamp=75MR16/NFL
(EYJ)
CBCP=4600



Atlantis 1407
Lamp=75MR16/FL
(EYC)
CBCP=2100



LAMP INFORMATION

Lamp	ANSI Code	Watts	Beam Spread	CBCP	*K	Life (hrs.)	Base	Volts
75MR16/NSP	EYF	75	14°	12,300	3050	4000	GU5.3 bi-pin	12
75MR16/NFL	EYJ	75	25°	4600	3050	4000	GU5.3 bi-pin	12
75MR16/FL	EYC	75	42°	2100	3050	4000	GU5.3 bi-pin	12

NOTE: Inferior quality lamps may adversely affect the performance of this product. Use only name brand lamps from reputable lamp manufacturers.

NOTES & FORMULAS

- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.
- Bare lamp data shown. Consult lamp manufacturers to obtain detailed specifications for their lamps.

ORDERING INFORMATION

Sample Number: 1407 - 10LED3012 - 12 - NBZ

<p>Series 1407 = LED or MR16 Atlantis Underwater Fixture, Yoke Mounted</p> <p>Source 75MR16 = 75W Max Halogen MR16, GU5.3 Base 20MR16 = 20W Max Halogen MR16, GU5.3 Base, CA Title 24 Compliant</p> <p>0LED2712 = 6W 2700K, 12° Spot, GU5.3 Base 0LED2721 = 6W 2700K, 21° Narrow, GU5.3 Base 0LED2741 = 6W 2700K, 41° Wide, GU5.3 Base 0LED3012 = 6W 3000K, 12° Spot, GU5.3 Base 0LED3021 = 6W 3000K, 21° Narrow, GU5.3 Base 0LED3041 = 6W 3000K, 41° Wide, GU5.3 Base 0LED4012 = 6W 4000K, 12° Spot, GU5.3 Base 0LED4021 = 6W 4000K, 21° Narrow, GU5.3 Base 0LED4041 = 6W 4000K, 41° Wide, GU5.3 Base 0LED5712 = 10W 5700K, 12° Spot, GU5.3 Base 0LED5721 = 10W 5700K, 21° Narrow, GU5.3 Base 0LED5741 = 10W 5700K, 41° Wide, GU5.3 Base 10LED2712 = 10W 2700K, 12° Spot, GU5.3 Base 10LED2721 = 10W 2700K, 21° Narrow, GU5.3 Base 10LED2741 = 10W 2700K, 41° Wide, GU5.3 Base 10LED3012 = 10W 3000K, 12° Spot, GU5.3 Base 10LED3021 = 10W 3000K, 21° Narrow, GU5.3 Base 10LED3041 = 10W 3000K, 41° Wide, GU5.3 Base 10LED4012 = 10W 4000K, 12° Spot, GU5.3 Base 10LED4021 = 10W 4000K, 21° Narrow, GU5.3 Base 10LED4041 = 10W 4000K, 41° Wide, GU5.3 Base 10LED5712 = 10W 5700K, 12° Spot, GU5.3 Base 10LED5721 = 10W 5700K, 21° Narrow, GU5.3 Base 10LED5741 = 10W 5700K, 41° Wide, GU5.3 Base</p>	<p>Voltage 12 = 12 Volts</p> <p>Finish Premium Finishes NBZ = Natural Bronze NSS = Natural Stainless Steel</p>	<p>Accessories</p> <p>Filters... F71 = Peach Dichroic Filter, 2.00" Dia F72 = Amber Dichroic Filter, 2.00" Dia F73 = Green Dichroic Filter, 2.00" Dia F74 = Medium Blue Dichroic Filter, 2.00" Dia F75 = Yellow Dichroic Filter, 2.00" Dia F76 = Red Dichroic Filter, 2.00" Dia F77 = Dark Blue Dichroic Filter, 2.00" Dia F78 = Light Blue Dichroic Filter, 2.00" Dia F79 = Neutral Density Dichroic Filter, 2.00" Dia F80 = Magenta Dichroic Filter, 2.00" Dia F22 = Red Color Filter, 2.00" Dia F33 = Blue Color Filter, 2.00" Dia F44 = Green Color Filter, 2.00" Dia F65 = Yellow Color Filter, 2.00" Dia F66 = Mercury Vapor Color Filter, 2.00" Dia</p> <p>Optical Lenses LSL = Linear Spread Lens (elongate standard beam spread), 2.00" Dia OSL = Overall Spread Lens (increase beam spread), 2.00" Dia DIF = Diffused Lens (provide even illumination), 2.00" Dia</p> <p>Optical Louver LVR = Hex Cell Louver (reduces glare), 2.00" Dia</p>	<p>Lenses for MR16 EZX = 20W MR16 GU5.3 Bi-Pin Very Narrow Spot BAB = 20W MR16 GU5.3 Bi-Pin Flood FRA = 35W MR16 GU5.3 Bi-Pin Spot EXT = 50W MR16 GU5.3 Bi-Pin Narrow Spot EXN = 50W MR16 GU5.3 Bi-Pin Flood ESX = 20W MR16 GU5.3 Bi-Pin Narrow Spot IRB = 35W MR16 GU5.3 Bi-Pin Narrow Spot FMW = 35W MR16 GU5.3 Bi-Pin Flood FXZ = 50W MR16 GU5.3 Bi-Pin Narrow Flood FNV = 50W MR16 GU5.3 Bi-Pin Very Wide Flood</p>
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Notes: • Halogen lamp not included
• 12V remote transformer required not included
• See ACCESSORIES & TECHNICAL DATA section of the Lumiere catalog for Low Voltage Cable & Transformers
• Consult your Cooper Lighting representative for additional options and finishes

DESCRIPTION

The Atlantis 1407 is an ultra compact underwater fixture for use with a low voltage dimmable LED or halogen MR16 lamp. Its heavy duty, adjustable mounting plate provides easy and secure aiming. A standard quick release mechanism enables easy replamping out of the water. Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple underwater lighting effects. The Atlantis series is designed for use in freshwater decorative ponds, fountains and water gardens. Not suitable for use in salt water.

CATALOG: 1407-10LED3041-12-NBZ
TYPE: F
PROJECT: 1100 CONCORD AVE RETAIL

SPECIFICATION FEATURES
A ... Material

Housing, hood and mounting plate are precision-machined from corrosion-resistant C932 bronze or 303/304 stainless steel.

B ... Finish

Solid bronze or stainless steel finish is unpainted to reveal the natural beauty of the material.

C ... Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. A standard quick release mechanism enables easy relamping out of the water.

D ... Gasket

Housing and hood are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

E ... Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

F ... Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

G ... Socket

Ceramic socket with 250°C Tofflon coated lead wires and GU5.3 bi-pin base.

H ... Cord & Fitting

Fixture is equipped with 15 feet of low voltage SJO cord and a machined, solid brass liquid tight fitting.

I ... Electrical

Remote 12V transformer required (not included). Use Lumière model T300 or equivalent only. Available from Lumière as an accessory - see the Accessories & Technical Data section of the catalog for details. **NOTE:** Initial power draw on LED equipped fixtures can be up to 15 watts in cold weather. When sizing transformer use 15 watts per LED fixture. Nominal power draw after start up is 10 watts or 6 watts accordingly. Also, LEDs are more voltage sensitive than standard halogen MR16 lamps. The LED module is designed to operate between 10 and 13 volts. Any less or more voltage can cause premature failures.

J ... Lamp

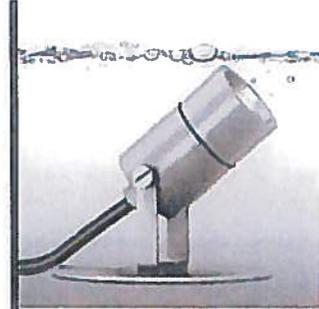
UL and cUL listed, standard wet label, IP68 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Department of Buildings, Bureau of Electrical Control for use in NYC, NY. Some models are California Title 24 compliant. available in four color temperatures (2700K, 3000K, 4000K and 5700K), three distributions (spot, narrow and flood) and two field adjustable power levels (6watts or 10watts). Color temperature, distribution and power setting must be specified when ordering - see reverse side for details and catalog logic.

K ... Labels & Approvals

UL and cUL listed, standard wet label, IP68 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Department of Buildings, Bureau of Electrical Control for use in NYC, NY. Some models are California Title 24 compliant.

L ... Warranty

Lumière warrants its fixtures and LEDs against defects in materials & workmanship for five (5) years. Auxiliary equipment such as transformers, ballasts, drivers and lamps carry the original manufacturer's warranty.


**ATLANTIS
1407**

10W LED

6W LED

75W (max.) MR16

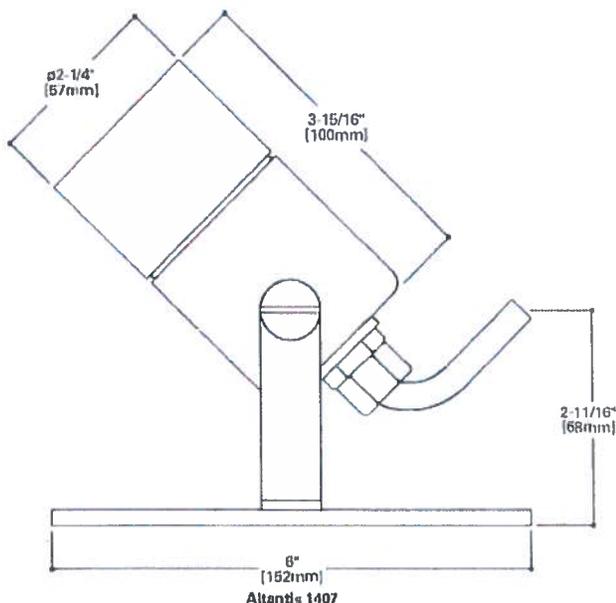
LED

Halogen

Low Voltage

UNDERWATER

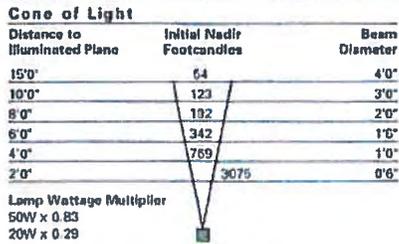
IP68



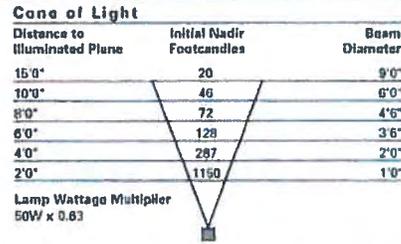
Atlantis 1407

PHOTOMETRIC DATA

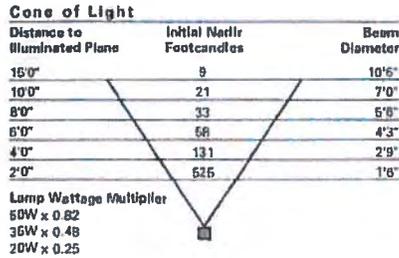
Atlantis 1407
Lamp=75MR16/NSP
(EYF)
CBCP=12,300



Atlantis 1407
Lamp=75MR16/NFL
(EYJ)
CBCP=4600



Atlantis 1407
Lamp=75MR16/FL
(EYC)
CBCP=2100



LAMP INFORMATION

Lamp	ANSI Code	Watts	Beam Spread	CBCP	*K	Life (hrs.)	Base	Volts
75MR16/NSP	EYF	75	14°	12,300	3050	4000	GU5.3 bi-pin	12
75MR16/NFL	EYJ	75	25°	4600	3050	4000	GU5.3 bi-pin	12
75MR16/FL	EYC	75	42°	2100	3050	4000	GU5.3 bi-pin	12

NOTE: Inferior quality lamps may adversely affect the performance of this product. Use only name brand lamps from reputable lamp manufacturers.

NOTES & FORMULAS

- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.
- Bare lamp data shown. Consult lamp manufacturers to obtain detailed specifications for their lamps.

ORDERING INFORMATION

Sample Number: 1407 - 10LED3012 - 12 - NBZ

<p>Series 1407 = LED or MR16 Atlantis Underwater Fixture, Yoke Mounted</p> <p>Source 75MR16 - 75W Max Halogen MR16, GU5.5 Base 20MR16 - 20W Max Halogen MR16, GU5.5 Base, CA Title 24 Compliant</p> <p>8LED2712 - 8W 2700K, 12° Spot, GU5.3 Base 8LED2721 - 8W 2700K, 21° Narrow, GU5.3 Base 8LED2741 - 8W 2700K, 41° Wide, GU5.3 Base 8LED3012 - 8W 3000K, 12° Spot, GU5.3 Base 8LED3021 - 8W 3000K, 21° Narrow, GU5.3 Base 8LED3041 - 8W 3000K, 41° Wide, GU5.3 Base 8LED4012 - 8W 4000K, 12° Spot, GU5.3 Base 8LED4021 - 8W 4000K, 21° Narrow, GU5.3 Base 8LED4041 - 8W 4000K, 41° Wide, GU5.3 Base 8LED5712 - 8W 5700K, 12° Spot, GU5.3 Base 8LED5721 - 8W 5700K, 21° Narrow, GU5.3 Base 8LED5741 - 8W 5700K, 41° Wide, GU5.3 Base 10LED2712 - 10W 2700K, 12° Spot, GU5.3 Base 10LED2721 - 10W 2700K, 21° Narrow, GU5.3 Base 10LED2741 - 10W 2700K, 41° Wide, GU5.3 Base 10LED3012 - 10W 3000K, 12° Spot, GU5.3 Base 10LED3021 - 10W 3000K, 21° Narrow, GU5.3 Base 10LED3041 - 10W 3000K, 41° Wide, GU5.3 Base 10LED4012 - 10W 4000K, 12° Spot, GU5.3 Base 10LED4021 - 10W 4000K, 21° Narrow, GU5.3 Base 10LED4041 - 10W 4000K, 41° Wide, GU5.3 Base 10LED5712 - 10W 5700K, 12° Spot, GU5.3 Base 10LED5721 - 10W 5700K, 21° Narrow, GU5.3 Base 10LED5741 - 10W 5700K, 41° Wide, GU5.3 Base</p>	<p>Voltage 12 = 12 Volts</p> <p>Finish <u>Premium Finishes</u> NBZ = Natural Bronze NSS = Natural Stainless Steel</p>	<p>Accessories</p> <p><u>Filters</u> F71 = Peach Dichroic Filter, 2.00" Dia F72 = Amber Dichroic Filter, 2.00" Dia F73 = Green Dichroic Filter, 2.00" Dia F74 = Medium Blue Dichroic Filter, 2.00" Dia F75 = Yellow Dichroic Filter, 2.00" Dia F76 = Red Dichroic Filter, 2.00" Dia F77 = Dark Blue Dichroic Filter, 2.00" Dia F78 = Light Blue Dichroic Filter, 2.00" Dia F79 = Neutral Density Dichroic Filter, 2.00" Dia F80 = Magenta Dichroic Filter, 2.00" Dia F22 = Red Color Filter, 2.00" Dia F33 = Blue Color Filter, 2.00" Dia F44 = Green Color Filter, 2.00" Dia F55 = Yellow Color Filter, 2.00" Dia F86 = Mercury Vapor Color Filter, 2.00" Dia</p> <p><u>Optical Lenses</u> LSL = Linear Spread Lens (doubles standard beam spread), 2.00" Dia OSL = Overall Spread Lens (increases beam spread), 2.00" Dia DL = Diffused Lens (provide even illumination), 2.00" Dia</p> <p><u>Optical Louver</u> LVR = Hex Cell Louver (reduces glare), 2.00" Dia</p>	<p>Lamps for MR16 EZX = 20W MR16 GU5.3 Bi-Pin Very Narrow Spot BAB = 20W MR16 GU5.3 Bi-Pin Flood FRA = 35W MR16 GU5.3 Bi-Pin Spot EXT = 50W MR16 GU5.3 Bi-Pin Narrow Spot EXN = 50W MR16 GU5.3 Bi-Pin Flood ESX = 20W MR16 GU5.3 Bi-Pin Narrow Spot FRB = 35W MR16 GU5.3 Bi-Pin Narrow Spot FMW = 35W MR16 GU5.3 Bi-Pin Flood EXZ = 50W MR16 GU5.3 Bi-Pin Narrow Flood FNV = 50W MR16 GU5.3 Bi-Pin Very Wide Flood</p>
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Notes: • Halogen lamp not included
• 12V remote transformer required - not included
• See ACCESSORIES & TECHNICAL DATA section of the Lumiere catalog for Low Voltage Cable & Transformers
• Consult your Cooper Lighting representative for additional options and finishes.

DESCRIPTION

The geometric form of MESA LED allows it to adapt to either contemporary or traditional architectural settings. Available in single or twin pole mount configurations with optional wall mounting capability, MESA mounting options allow for harmonized site design whether at the entryway or in the parking lot. UL/cUL listed for use in wet locations.

Catalog #	MSA B01 LED E1 5MQ BZ PC XXX	Type	G
Project	1100 CONCORD AVE	Date	
Comments			
Prepared by			

SPECIFICATION FEATURES

Construction

HOUSING: Die-cast aluminum main housing and spider mount base maintain a minimum 0.125 wall thickness. Integral aluminum heat sink provides superior thermal heat transfer in +40°C ambient environments. **DOOR ASSEMBLY:** Top mounted, heavy wall, die-cast aluminum door maintains a nominal 0.125 thickness. Door includes a self-retaining interior hinge. **GASKET:** Continuous silicone gasket provided to seal housing door assembly and optic tray. **LENS:** Downlight lens is LED board integrated acrylic over-optics, each individually sealed for IP66 rating. **HARDWARE:** Four (4) inset fasteners on underside of housing provide access to luminaire interior. Concealed, stainless steel four (4) bar hinge lock allows door to lock in the open position.

Optics

DISTRIBUTION: Choice of twelve (12) patented, high-efficiency AccuLED Optics™, featuring designs that maximize light collection and directional distribution onto the application region. Each optical lens is precision manufactured via injection-molding then precisely arranged and sealed on the board

media. LEDs: High output LEDs, 50,000+ hours life at >70% lumen maintenance, offered standard in 4000°K (+/- 275K) CCT and nominal 70 CRI. Mesa LightBAR optic tray is removable and able to rotate 360° in 90° increments for specific placement of the distribution relative to fixture.

Electrical

DRIVER: LED drivers are potted and heat sunk for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120-277V/50-60hz), greater than 0.9 power factor, less than 20% harmonic distortion and feature ambient temperature range of +40°C (104°F) down to minimum starting temperature of -30°C (-22°F). Shipped standard with Cooper Lighting proprietary circuit module designed to withstand 10kV of transient line surge. All LED LightBARs™ and drivers are mounted to dedicated mounting trays and are easily replaced by use of quick disconnects for ease of wiring. Driver tray is removable without the use of tools. Options to control light levels, energy savings and egress capabilities (battery pack and separate circuit) are available.

Mounting

Filter assembly mounts over 3" OD tenon and is secured via (3) concealed stainless steel set screws. Design of filter provides seamless transition to 4" round poles. Additional mounting accessories include a dual fixture post top mounting arm and wall mount arm.

Finish

Housing is finished in 5 stage Super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty

Mesa LED features a five-year limited warranty.

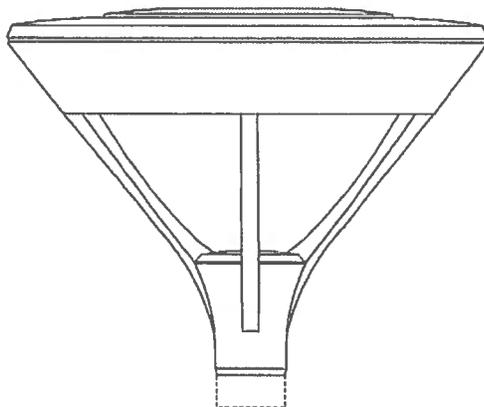


MSA MESA LED

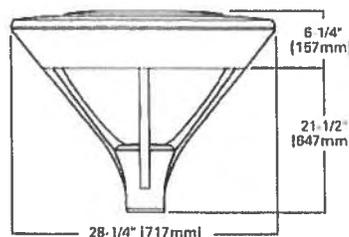
1-6 LightBARs
Solid State LED

DECORATIVE LUMINAIRE

DESIGNLIGHTS
CONSORTIUM



DIMENSIONS



CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARs
ARRA Compliant
LM79 / LM80 Compliant
2G Vibration Tested

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60hz, 347V/60hz, 480V/60hz
30°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

Effectected Projected Area
1.1 Sq. Ft.

SHIPPING DATA

Approximate Net Weight:
50 lbs. (22.7 kgs.)

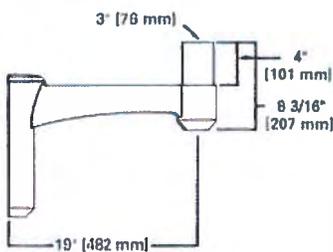


POWER AND LUMENS BY BAR COUNT

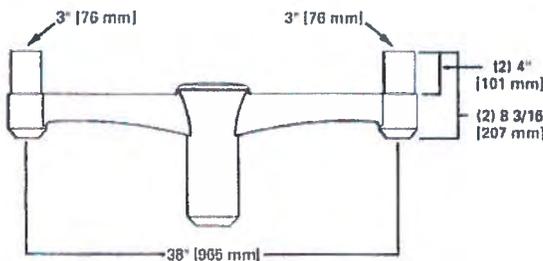
Number of LightBARs	DISTRIBUTION													
	Power [Watts]	Current @ 120V [A]	Current @ 277V [A]	T2	T3	T4	SL2	SL3	SL4	SMQ	SWQ	5XQ	RW	SLR/ SLL
7 LED LIGHTBAR														
C01	27	0.23	0.13	1,708	1,709	1,668	1,718	1,668	1,075	1,845	1,770	1,791	1,701	1,609
C02	54	0.46	0.21	3,291	3,294	3,215	3,311	3,214	3,228	3,556	3,412	3,451	3,277	3,102
C03	77	0.65	0.29	4,751	4,755	4,641	4,779	4,640	4,660	5,133	4,925	4,982	4,731	4,478
C04	101	0.86	0.37	6,270	6,270	6,125	6,308	6,124	6,151	6,775	6,500	6,575	6,244	5,910
C05	131	1.11	0.50	7,508	7,515	7,334	7,553	7,333	7,365	8,112	7,783	7,873	7,477	7,076
C06	154	1.3	0.58	9,086	9,094	8,875	9,140	8,874	8,913	9,817	9,419	9,528	9,048	8,563
21 LED LIGHTBAR														
B01	27	0.23	0.13	2,101	2,102	2,052	2,113	2,052	2,061	2,269	2,177	2,203	2,092	1,980
B02	51	0.43	0.20	4,048	4,052	3,954	4,072	3,954	3,971	4,374	4,196	4,245	4,031	3,815
B03	73	0.62	0.28	5,844	5,849	5,708	5,879	5,707	5,732	6,314	6,058	6,128	5,820	5,507
B04	95	0.81	0.35	7,712	7,720	7,534	7,759	7,533	7,566	8,333	7,995	8,087	7,681	7,209
B05	124	1.05	0.48	9,235	9,243	9,021	9,280	9,020	9,059	9,978	9,573	9,684	9,197	8,703
B06	146	1.24	0.56	11,176	11,186	10,917	11,243	10,915	10,983	12,075	11,585	11,719	11,130	10,633

ACCESSORIES

WALL MOUNT ARM



DUAL MOUNT ARM [EPA 1.36]



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

ORDERING INFORMATION

Sample Number: MSA-B06-LED-E1-T3-BK

<p>Product Family¹</p> <p>MSA=Mesa (Slip-fits Over 3" OD Tenon)</p>	<p>Lamp Type</p> <p>LED=Solid State Light Emitting Diodes</p>	<p>Voltage</p> <p>E1=Electronic (120-277V) 347=347V 480=480V</p>	<p>Finish⁴</p> <p>BK=Black AP=Gray BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic</p>	<p>Options⁶</p> <p>PC=Button Type Photocell (specify voltage)</p> <p>R=NEMA Photocell Receptacle</p> <p>2L=Two Circuits⁶</p> <p>LCF=LightBAR Cover Plate Matches Housing Finish</p> <p>7080=70 CRI/6000K CCT7</p> <p>8030=80 CRI/3000K CCT7</p> <p>ICB=Integral Cold Weather Battery⁸ Pack (Specify 120 or 277)</p>
<p>Number of^{2,3}</p> <p>Lightbars</p> <p>B01=[1] 21 LED LightBARs</p> <p>B02=[2] 21 LED LightBARs</p> <p>B03=[3] 21 LED LightBARs</p> <p>B04=[4] 21 LED LightBARs</p> <p>B05=[5] 21 LED LightBARs</p> <p>B06=[6] 21 LED LightBARs</p> <p>C01=[1] 7 LED LightBARs</p> <p>C02=[2] 7 LED LightBARs</p> <p>C03=[3] 7 LED LightBARs</p> <p>C04=[4] 7 LED LightBARs</p> <p>C05=[5] 7 LED LightBARs</p> <p>C06=[6] 7 LED LightBARs</p>	<p>Distribution</p> <p>T2=Type II</p> <p>T3=Type III</p> <p>T4=Type IV</p> <p>SMQ=Type V Square Medium</p> <p>SWQ=Type V Square Wide</p> <p>5XQ=Type V Square Extra Wide</p> <p>RW=Rectangular Wide</p> <p>SL2=Type II w/Spill Control</p> <p>SL3=Type III w/Spill Control</p> <p>SL4=Type IV w/Spill Control</p> <p>SLL=90 Degree Spill Light Eliminator Left</p> <p>SLR=90 Degree Spill Light Eliminator Right</p>	<p>Accessories⁹</p> <p>VA0028-AP= Dual Mount Arm</p> <p>VA0029-AP= Wall Mount Arm</p> <p>QARA1016= NEMA Photocell - Multi-Tap</p> <p>QARA1027= NEMA Photocell - 480V</p> <p>QARA1201= NEMA Photocell - 347V</p> <p>MA12B3= 10KV Circuit Module Replacement</p>		

- Notes:
- 1 DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
 - 2 Standard 4000 K CCT and greater than 70 CRI.
 - 3 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
 - 4 Custom and HAL color matching available upon request. Consult your customer service representative for further information.
 - 5 Add as suffix in the order shown.
 - 6 Low-level output varies by bar count. Consult factory. Not available with 347V or 480V. Requires quantity two or more LightBARs.
 - 7 Consult customer service for lead times and lumen multiplier.
 - 8 Available with B01 - B04, C01 - C04 configurations only. Specify 120 or 277V. LED cold weather integral battery pack is rated for minimum operating temperature -4°F (-20°C). Operates (1) lightbar for 60 minutes. Not available in all configurations, consult factory. Rated for use in 25°C ambient.
 - 9 Order separately, replace XX with color suffix.

COOPER LIGHTING



RSS ROUND STRAIGHT STEEL

Catalog #	RSS 4 A 10 S F M 5	Type
Project	1100 CONCORD AVE	SITE A101 TYPE G
Comments		Date
Prepared by		

FEATURES

- ASTM Grade steel base plate with ASTM A366 base cover
- Hand hole assembly 3" x 5" on 5" and 6" poles, 2" x 4" on 4" poles
- 10'-30" mounting heights
- Drilled or tenon (specify)

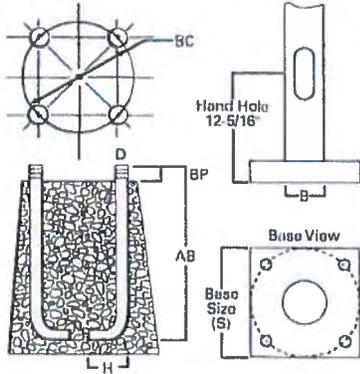
ORDERING INFORMATION

SAMPLE NUMBER: RSS4A20SF2XG

Product Family	Shaft Size (Inches) ¹	Wall Thickness (Inches)	Mounting Height (Feet)	Base Type	Finish	Mounting Type	Number and Location of Arms	Options (Add as Suffix)
RSS-Round Straight Steel	4=4" 5=5" 6=6"	A=0.120" M=0.188"	10=10' 15=15' 20=20' 25=25' 30=30'	S=Square Steel Base	F=Dark Bronze G=Galvanized Steel J=Summit White K=Carbon Bronze L=Dark Platinum P=Primer Powder Coat R=Hartford Green S=Silver T=Graphite Metallic V=Grey W=White X=Custom Color Y=Black	2=2-3/8" O.D. Tenon (4" Long) 3=3-1/2" O.D. Tenon (6" Long) 4=4" O.D. Tenon (6" Long) 5=3" O.D. Tenon (4" Long) 6=2-3/8" O.D. Tenon (6" Long) 7=4" O.D. Tenon (10" Long) A=Type A Drilling C=Type C Drilling E=Type E Drilling F=Type F Drilling G=Type G Drilling J=Type J Drilling K=Type K Drilling M=Type M Drilling R=Type R Drilling S=Standard Upsweep Arm Z=Type Z Drilling	1=Single 2=2 at 180° 3=Triple ² 4=4 at 90° 5=2 at 90° 6=3 at 90° 7=2 at 120° X=None	A=1/2" Tapped Hub (Specify location desired) B=3/4" Tapped Hub (Specify location desired) C=Convenience Outlet ³ E=GFCI Convenience Outlet ³ G=Ground Lug H=Additional Hand Hole ⁴ L=Drilled for Bumper Giltor V=Vibration Dampener

NOTES: 1. All shaft sizes nominal. 2. Square poles are 3 at 90°, round poles are 3 at 120°. 3. Outlet is located 4" above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only. 4. Additional hand hole is located 12" below pole top and 90° from standard hand hole location, unless otherwise specified.

DIMENSIONS



WARNING: The use of unauthorized accessories such as banners, signs, curness or pennants for which the pole was not designed voids the pole warranty from Eaton's Cooper Lighting business and may result in pole failure causing serious injury or property damage. Upon request, Eaton's Cooper Lighting business will supply information regarding total loading capacity. The pole warranty from Eaton's Cooper Lighting business is void unless poles are used and installed as a complete pole/fixture combination. This warranty specifically excludes failure as the result of a third party act or omission, misuse, unanticipated uses, fatigue failure or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product.

Specifications and dimensions subject to change without notice. Consult your Eaton's Cooper Lighting business representative or visit www.cooperlighting.com for available options, accessories and ordering information.

Effective Projected Area (At Pole Top)

Mounting Height (Feet)	Catalog Number ^{1,3}	Wall Thickness (Inches)	Base Square ² (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection ³ (Inches)	Shaft Size ³ (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) ⁴				Max. Fixture Load - Includes Bracket (Pounds)
									80 mph	90 mph	100 mph	110 mph	
MH			S	BC	BP	B	D x AB x H						
10	RSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	73	21.0	16.0	12.7	10.5	100
15	RSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	97	11.2	8.3	6.4	5.1	100
20	RSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	122	6.8	3.9	2.7	2.0	150
20	RSS5M20S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	216	17.0	13.0	10.4	8.4	150
25	RSS6M25S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	264	11.0	8.5	6.5	5.2	200
30	RSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	394	14.0	10.7	8.4	6.7	200

Effective Projected Area (Two Feet Above Pole Top)

Mounting Height (Feet)	Catalog Number ^{1,3}	Wall Thickness (Inches)	Base Square ² (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection ² (Inches)	Shaft Size ³ (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) ⁴				Max. Fixture Load - Includes Bracket (Pounds)
									80 mph	90 mph	100 mph	110 mph	
MH			S	BC	BP	B	D x AB x H						
10	RSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	73	16.7	13.0	10.4	8.5	100
15	RSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	97	9.8	7.2	5.6	4.4	100
20	RSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	122	5.3	3.5	2.4	1.8	150
20	RSS5M20S	0.188	10-1/2	11	4 1/2	5	3/4 x 25 x 3	216	15.0	11.7	9.2	7.5	150
25	RSS6M25S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	264	10.2	7.8	6.0	4.8	200
30	RSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	394	13.1	10.0	7.8	5.9	200

NOTES:

1. Catalog number includes pole with hardware kit. Anchor bolts not included. Before installing, make sure proper anchor bolts and templates are obtained from Eaton's Cooper Lighting business.
2. Tenon size or machining for rectangular arms must be specified. Hand hole position relative to drill location.
3. Shaft size, base square, anchor bolts and projections may vary slightly. All dimensions nominal.
4. EPAs based on shaft properties with wind normal to flat. EPAs calculated using base wind velocity as indicated plus 30% gust factor.

lumière

DESCRIPTION

Eon 303 - S1 is a compact, low profile, dimmable LED sign lighting luminaire. It attaches to a wall or ceiling mounted straight arm and delivers full vertical adjustment (180°) for easy aiming. 303 - S1 provides either uplight or downlight depending upon how it is mounted. Optional 24" or 36" straight arms are available in lieu of the standard 12" arm. 303 - S1 mounts directly to any wall or ceiling surface over a standard 4" Jbox and comes standard with a universal input LED driver (120 - 277V, 50/60 Hz). Dimming is achieved with a standard ELV, reverse phase dimming driver or an optional 0 - 10V dimming driver. 303 - S1 may be used indoors or outdoors and carries an IP66 rating.

CATALOG: 303 S1 LEDB1 3000 UNV T2 DIM10
CS 36
AREA: BLDG A TYPE: A
PROJECT: 1100 CONCORD AVE RETAIL

SPECIFICATION FEATURES

A ... Material

Head and backplate are precision-machined from corrosion-resistant 6061-T6 aluminum, C360 brass, C932 bronze, C110 copper or 303/304 stainless steel.

B ... Finish

Fixtures constructed from aluminum are double protected by a RoHS compliant chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available. Aluminum fixtures can also be brushed and clear coat painted.

Brass, Bronze, Copper or Stainless Steel

Fixtures constructed from brass, bronze, copper or stainless steel are left unpainted to reveal the natural beauty of the material. Brass, bronze and copper will patina over time.

C ... Gasket

The backplate is sealed with a high temperature silicone gasket to prevent water intrusion into the Jbox.

D ... Lens

Diffused, tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock. EDGE LIT option: when specified with the EDGE option, the glass will be slightly thicker, diffused, tempered and sealed in the same manner referenced above. The added glass thickness will offer a brighter line of light around the edge of the glass that will accentuate the fixture's aesthetics and styling.

E ... Adjustable Mounting Arm

Standard 12" straight arm provides 180° of vertical adjustment for easy aiming. Optional 24" or 36" straight arms are available in lieu of standard 12" arm (specify option -24 or -36). Stainless steel locking mechanisms are standard. 4 5/8" square backplate attaches directly to a standard J-box with provided screws.

F ... Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

G ... Electrical

Eon 303 - A1 comes standard with a universal input LED driver (120-277, 50/60Hz). The standard driver is ELV reverse phase dimmable. An optional 0 - 10V dimming driver is also available.

H ... LED

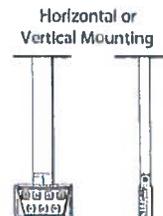
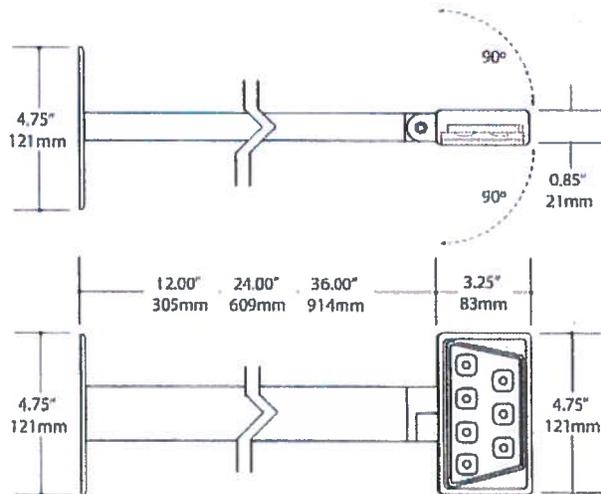
LEDs are included and available in three color temperatures (2700K, 3000K & 4000K) and a variety of optics. Both color temperature and distribution must be specified when ordering - see reverse side for details and catalog logic.

I ... Labels & Approvals

UL and cUL listed, standard wet label. IP66 rated.

J ... Warranty

Lumiere warrants its fixtures against defects in materials & workmanship for five (5) years. Auxiliary equipment such as transformers, ballasts and LED drivers carry the original manufacturer's warranty.



EON

303-S1

8.8 W LED

LED

SIGN

IP66

LED INFORMATION

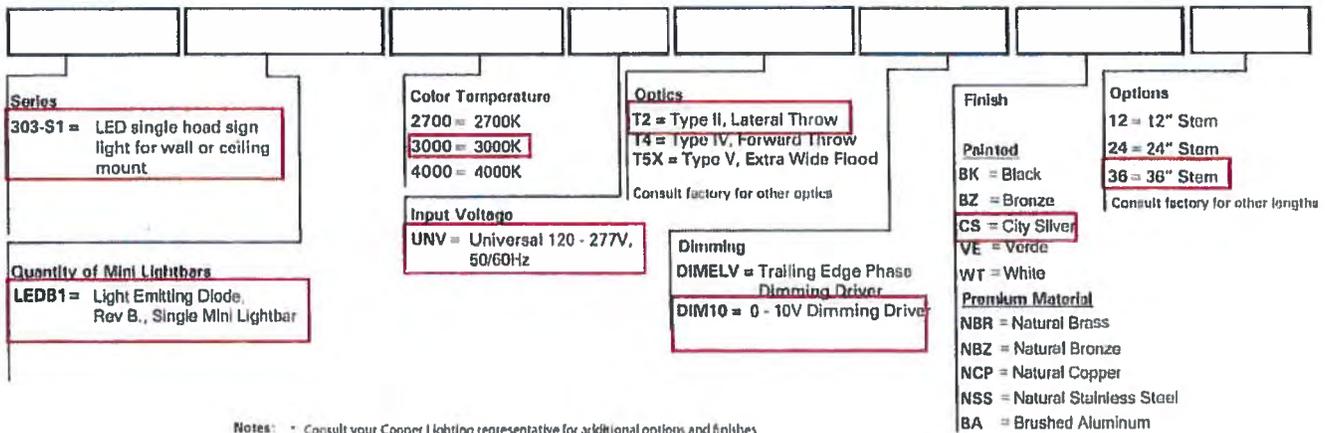
LED	Watts	Distribution	Total Lumens	CRI	°K	Life (hrs.)	Volts
T2, 2700K	8.8	Type II - Lateral Throw	364	95	2700	50000	120V - 277V, 50/60 Hz
T2, 3000K	8.8	Type II - Lateral Throw		85	3000	50000	120V - 277V, 50/60 Hz
T2, 4000K	8.8	Type II - Lateral Throw	607	65	4000	50000	120V - 277V, 50/60 Hz
T4, 2700K	8.8	Type IV - Forward Throw	340	95	2700	50000	120V - 277V, 50/60 Hz
T4, 3000K	8.8	Type IV - Forward Throw		85	3000	50000	120V - 277V, 50/60 Hz
T4, 4000K	8.8	Type IV - Forward Throw	566	65	4000	50000	120V - 277V, 50/60 Hz
T5X, 2700K	8.8	Type V - Flood	381	95	2700	50000	120V - 277V, 50/60 Hz
T5X, 3000K	8.8	Type V - Flood		85	3000	50000	120V - 277V, 50/60 Hz
T5X, 4000K	8.8	Type V - Flood	635	65	4000	50000	120V - 277V, 50/60 Hz

NOTES AND FORMULAS

- Apply appropriate light loss factors where necessary.
- Photometry is LM-79 compliant.

ORDERING INFORMATION

Sample Number: 303 - S1 - LEDB1 3000 - UNV - T4 - BA - 24



Notes: • Consult your Cooper Lighting representative for additional options and finishes

DESCRIPTION

The EPIC Collection delivers custom luminaire flexibility with high quality, yet availability expectations of standard specification grade product. The EPIC Collection can be dressed to suit any application. Recognizing evolving environmental and legislative trends, EPIC Collection delivers world class LED optical and performance solutions to the decorative luminaire marketplace.

Catalog #	ECM B03 LED E1 5M Q SO SN BZ PM48	Type	C
Project	1100 CONCORD AVE RETAIL	Date	
Comments			
Prepared by			

SPECIFICATION FEATURES

Construction
TOP: Cast aluminum classical top housing maintains a nominal 1/8" sidewall thickness. Top attaches to cast aluminum mounting arm hub with four (4) stainless steel fasteners. One-piece silicone gasket between mounting hub and top casting seals out moisture and contaminants. **MIDSECTION:** Continuous silicone gaskets seal lens to top casting and shade. The following mid section options feature cast aluminum construction and stainless steel assembly hardware: SO Solid Rings. **SHADES:** Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form. **DOORFRAME:** Die-cast aluminum 1/8" thick door and doorframe seal to underside of shade with a thick wall continuous silicone gasket. Mounting hub ships attached to mounting arm.

Optics
DISTRIBUTION: Choice of twelve (12) patented, high-efficiency AccuLED Optics™ that maximize light collection and direction

distribution onto the application region. Each optical lens is precision manufactured via injection-molding, then precisely arranged and sealed on the board media. **LEDs:** High output LEDs, 50,000+ hours life at >70% lumen maintenance, offered standard in 4000°K (+/- 275K) CCT and nominal 70 CRI.

Electrical
ELECTRICAL TRAY: Driver and related electrical componentry are mounted to one piece tray. Quick disconnect wiring plugs allows for tray removal during routine maintenance. **DRIVER:** LED drivers are potted and heat sunk for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120-277V/50-60hz), greater than 0.9 power factor, less than 20% harmonic distortion and feature ambient temperature range of +40°C (104°F) down to minimum starting temperature of -30°C (-22°F). Shipped standard with Cooper Lighting proprietary circuit module designed to withstand

10kV of transient line surge. All LED LightBARs and drivers are mounted to dedicated mounting trays and are easily replaced by use of quick disconnects for ease of wiring. Options to control light levels, energy savings and agress capabilities (separate circuit) are available.

Finish
 Housing is finished in 5-stage Super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty
 ECM LED features a five-year limited warranty.



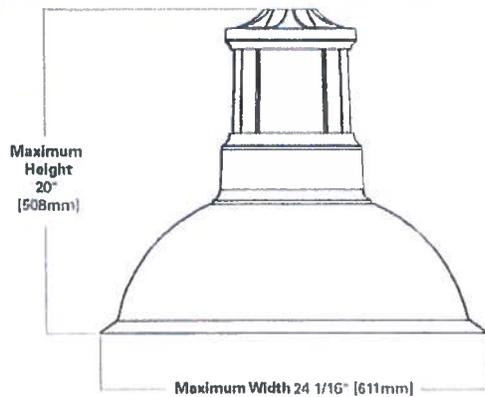
ECM EPIC CLASSICAL MEDIUM LED

1 - 4 LightBARs
 Solid State LED

DECORATIVE AREA



DIMENSIONS



NOTE: See configurations for more detailed information.

CERTIFICATION DATA

- UL/cUL Listed
- ISO 9001
- IP66 LightBARs
- ARRA Compliant
- LM79 / LM80 Compliant
- 3.5G Vibration Tested

ENERGY DATA

- Electronic LED Driver
- >0.9 Power Factor
- <20% Total Harmonic Distortion
- 120-277V/50 & 60hz, 347V/60hz, 480V/60hz
- 30°C Minimum Temperature
- 40°C Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.)
 0.94

SHIPPING DATA

Approximate Net Weight:
 45 lbs.



POWER AND LUMENS BY BAR COUNT

Number of LightBARs	DISTRIBUTION													
	Power [Watts]	Current @ 120V [A]	Current @ 277V [A]	T2	T3	T4	SL2	SL3	SL4	5MΩ	5WΩ	5XΩ	RW	SLR/SLL
7 LED LIGHTBAR														
C01	27	0.23	0.13	1,873	1,886	1,817	1,836	1,756	1,807	1,937	1,907	1,911	1,847	1,704
C02	54	0.46	0.21	3,716	3,701	3,606	3,642	3,486	3,586	3,843	3,783	3,792	3,665	3,380
C03	77	0.65	0.29	5,476	5,453	5,311	5,366	5,134	5,282	5,661	5,573	5,586	5,399	4,980
C04	101	0.86	0.37	7,282	7,253	7,064	7,137	6,829	7,026	7,530	7,413	7,430	7,181	6,624
21 LED LIGHTBAR														
B01	27	0.23	0.13	2,304	2,295	2,235	2,258	2,160	2,223	2,382	2,345	2,351	2,272	2,096
B02	51	0.43	0.20	4,571	4,563	4,434	4,480	4,286	4,410	4,726	4,653	4,664	4,508	4,158
B03	73	0.62	0.28	6,734	6,707	6,533	6,600	6,315	6,487	6,863	6,855	6,871	6,641	6,125
B04	95	0.81	0.35	8,957	8,921	8,680	8,779	8,399	8,642	9,262	9,118	9,139	8,833	8,148

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

PRODUCT CONFIGURATION

HOUSING

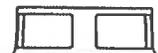


Classical
8.8" H x 8.7" W

MID SECTION



Solid
3.4" H x 9.9" W



Window
3.4" H x 9.9" W



Louvered
3.4" H x 9.9" W



Slot
3.4" H x 9.9" W



Solid Rings
3.4" H x 12" W

SHADE



Straight Narrow
6.6" H x 19.1" W



Straight Wide
5.1" H x 23.9" W

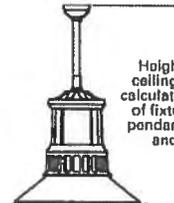


Bell
8" H x 24" W



Flute
6" H x 22.5" W

MOUNTING OPTION



Height from ceiling equals calculated height of fixture plus pendant length and 7/8"

ORDERING INFORMATION

Sample Number: ECM-B04-LED-E1-T2-FL-BK-2L

Product Family ^{1, 2} ECM =Epic Classic Medium	Distribution T2 =Type II T3 =Type III T4 =Type IV SMQ =Type V Square Medium	Shade Type SN =Straight Narrow SW =Straight Wide BL =Bolt FL =Flute	Accessories ¹¹ VA6150-XX =Bishop Wall Mount Arm VA6151-XX =Bishop Wall Mount Arm w/Cross Rod VA6152-XX =Traditional Wall Mount Arm VA6153-XX =Traditional Wall Mount Arm w/45 Degree Strap VA6154-XX =Bishop Single Pole Mount Arm VA6155-XX =Bishop Single Pole Mount Arm w/Cross Rod VA6156-XX =Bishop Twin Pole Mount Arm VA6157-XX =Bishop Twin Pole Mount Arm w/Cross Rods VA6158-XX =Traditional Single Pole Mount Arm VA6159-XX =Traditional Single Pole Mount Arm w/Rounded Upper Bar VA6160-XX =Traditional Single Pole Mount Arm w/Rounded Lower Bar VA6161-XX =Traditional Single Pole Mount Arm w/45 Degree Upper Bar VA6162-XX =Traditional Single Pole Mount Arm w/45 Degree Lower Bar VA6163-XX =Traditional Single Pole Mount Arm w/45 Degree Upper Strap VA6165-XX =Traditional Twin Pole Mount Arm VA6166-XX =Traditional Twin Pole Mount Arm w/Rounded Upper Bar VA6167-XX =Traditional Twin Pole Mount Arm w/Rounded Lower Bar VA6168-XX =Traditional Twin Pole Mount Arm w/45 Degree Upper Bar VA6169-XX =Traditional Twin Pole Mount Arm w/45 Degree Lower Bar VA6170-XX =Traditional Twin Pole Mount Arm w/45 Degree Upper Strap VA6171-XX =ECM Mast Arm Adapter QARA1010 =NEMA Photocell - Multi Tap QARA1027 =NEMA Photocell - 480V QARA1201 =NEMA Photocell - 347V
Number of ^{3, 4} Lighbars B01 = [1] 21 LED LightBAR B02 = [2] 21 LED LightBARs B03 = [3] 21 LED LightBARs B04 = [4] 21 LED LightBARs C01 = [1] 7 LED LightBARs C02 = [2] 7 LED LightBARs C03 = [3] 7 LED LightBARs C04 = [4] 7 LED LightBARs	8WQ =Type V Square Wide 5XQ =Type V Square Extra Wide RW =Rectangular Wide SL2 =Type II w/Spill Control SL3 =Type III w/Spill Control SL4 =Type IV w/Spill Control SLL =90 Degree Spill Light Eliminator Left SLR =90 Degree Spill Light Eliminator Right	Finish ⁸ BK =Black AP =Grey BZ =Bronze WH =White DP =Dark Platinum GM =Graphite Metallic	Options 2L =Two Circuits ⁸ LCF =LightBAR Cover Plate Matches Housing Finish 7000 =70 CRI/6000K CCT 7 8030 =80 CRI/3000K CCT 7 MS-LXX =Motion Sensor for on/off ⁹ operation MS/X-LXX =Motion Sensor for bi-level ⁹ switching PM48 =Pendant Mount 48" Length or ¹⁰ Specify Pendant Length Inches (XX)
Lamp Type LED =Solid State Light Emitting Diodes	Mid Section Type SO =Solid WN =Window LV =Louvered ST =Slot SR =Solid Rings	Options 2L =Two Circuits ⁸ LCF =LightBAR Cover Plate Matches Housing Finish 7000 =70 CRI/6000K CCT 7 8030 =80 CRI/3000K CCT 7 MS-LXX =Motion Sensor for on/off ⁹ operation MS/X-LXX =Motion Sensor for bi-level ⁹ switching PM48 =Pendant Mount 48" Length or ¹⁰ Specify Pendant Length Inches (XX)	Accessory Options ¹³ V =Victorian Finish M =Modern Finish A =Architectural Finish N =Nostalgic Finish R =NEMA Twistlock Photocell Receptacle 14
Voltage E1 =Electronic (120-277V) 347 =347V 480 =480V			

- Notes: 1 DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
- 2 Arm not included. Order separately. See accessories.
- 3 Standard 4000 K CCT and greater than 70 CRI.
- 4 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
- 5 Custom and RAL color matching available upon request. Consult your customer service representative for further information.
- 6 Low level output varies by bar count. Consult factory. Requires quantity two or more LightBARS.
- 7 Consult customer service for lead times and lumen multiplier.
- 8 Sensor mounted to the luminaire. Available in B01 - B06 and C01 - C06 configurations. Replace XX with mounting height in feet for proper lens selection, (i.e., MS-125). Consult factory for additional information.
- 9 Sensor mounted to luminaire. Available in B02 - B06 and C02 - C06 configurations. Replace X with number of bars operating in low output mode and replace XX with mounting height in feet for proper lens selection, (i.e., MS/3-125). Maximum 4 bars in low output mode. Consult factory for additional information.
- 10 PM option must be used with INVUE Pendant Kit only. Includes 48" long pendant pipe, swivel hanger and canopy cover. Other pendant lengths can be specified in inches (XX). Minimum pendant length is 9.5". For lengths above 48", consult Invue Lighting Systems representative.
- 11 Order separately, replace XX with color suffix.
- 12 Add as suffix to accessory. Example: VA6158-BK H.
- 13 Only available with Traditional arms.
- 14 Not available with Invue, pendant mount (PM48) or bishop wall mounts.
- 15 Requires use of 4" O.D. round straight pole.

DESCRIPTION

The patent pending Lumark Crosstour™ MAXX LED Wall Pack Series of luminaires provides low-profile architectural style with super bright, energy-efficient LEDs. The rugged die-cast aluminum construction, back box with secure lock hinges, stainless steel hardware along with a sealed and gasketed optical compartment make Crosstour impervious to contaminants. The Crosstour MAXX wall luminaire is ideal for wall/ surface, inverted mount for facade/canopy illumination, perimeter and site lighting. Typical applications include pedestrian walkways, building entrances, multi-use facilities, industrial facilities, perimeter parking areas, storage facilities, institutions, schools, and loading docks.

SPECIFICATION FEATURES

Construction

Low-profile LED design with rugged one-piece, die-cast aluminum back box and hinged removable door. Matching housing styles incorporate both a full cutoff and refractive lens design. Full cutoff and refractive lens models are available in 50W and 85W. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes four (4) 1/2" NPT threaded conduit entry points. The back box is secured by four (4) lag bolts (supplied by others). External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Not recommended for car wash applications.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered reflector providing high-efficiency illumination. Full cutoff models integrate an impact-resistant molded refractive prism optical lens assembly meeting requirements for Dark Sky compliance. Refractive lens models incorporate a molded lens

assembly designed for maximum forward throw. Solid state LED Crosstour luminaires are thermally optimized with two (2) lumen packages in cool 5000K or neutral warm 3500K LED color temperature (CCT).

Electrical

LED driver is mounted to the die-cast aluminum housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 50W and 85W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C [122°F] models available. Crosstour MAXX luminaires maintain greater than 85% of initial light output after 60,000 hours of operation. Four (4) half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz, 480V 60Hz, or 347V 60Hz electrical operation.

Emergency Egress

Optional integral cold weather

battery emergency egress includes emergency operation test switch, an AC-ON indicator light and a premium extended rated sealed maintenance-free nickel-metal hydride battery pack. The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting.

Area and Site Pole Mounting

Optional extruded aluminum 6-1/2" arm features internal bolt guides for supplied twin support rods, allowing for easy positioning of the fixture during installation to pole. Supplied with round plate adapter plate. Optional tenon adapter fits 2-3/8" or 3-1/2" O.D. Tenon.

Finish

Crosstour MAXX is protected with a Super TGIC carbon bronze or sunnii white polyester powder coat paint. Super TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

Warranty

Five-year limited warranty.



**XTOR
CROSSTOUR
MAXX LED**

APPLICATIONS:
WALL / SURFACE
INVERTED
SITE LIGHTING



CERTIFICATION DATA

UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ARRA Compliant
NOM Compliant Models
3G Vibration Tested
UL924 Listed (CBP Models)
IP66 Rated
Lighting Facts® Registered
DesignLights™ Consortium Qualified*

TECHNICAL DATA

40°C Ambient Temperature
External Supply Wiring 90°C Minimum

EPA

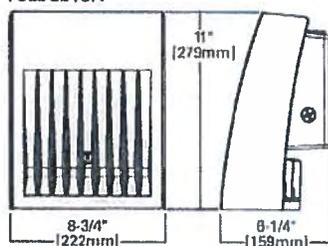
Effective Projected Area (Sq. Ft.):
XTOR5A/XTOR8A = 0.54
With Pole Mount Arm = 0.98

SHIPPING DATA:

Approximate Net Weight:
12.15 lbs. [5.4-6.8 kgs.]

DIMENSIONS

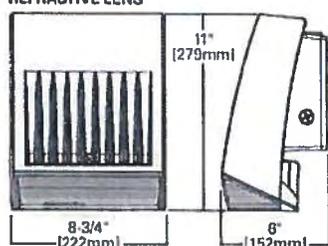
FULL CUTOFF



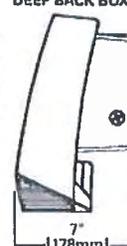
DEEP BACK BOX



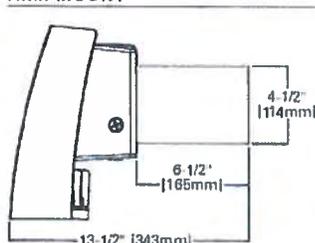
REFRACTIVE LENS



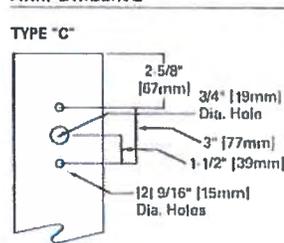
DEEP BACK BOX



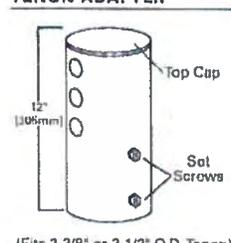
ARM MOUNT



ARM DRILLING



TENON ADAPTER



POWER AND LUMENS BY FIXTURE MOEEL

50W LED Information	XTOR5A	XTOR5ARL	XTOR5A-N	XTOR5ARL-N
Delivered Lumens	4,282	4,553	3,532	3,830
B.U.G. Rating	B1-U0-G1	B1-U3-G2	B1-U0-G1	B1-U3-G2
CCT (Kelvin)	5000K	5000K	3500K	3500K
CRI (Color Rendering Index)	65	65	68	68
Power Consumption (Watts)	50W	50W	50W	50W

85W LED Information	XTOR9A	XTOR9ARL	XTOR9A-N	XTOR9ARL-N
Delivered Lumens	7,192	7,416	5,456	5,702
B.U.G. Rating	B1-U0-G1	B1-U3-G3	B1-U0-G1	B1-U3-G2
CCT (Kelvin)	5000K	5000K	3500K	3500K
CRI (Color Rendering Index)	65	65	68	68
Power Consumption (Watts)	86W	85W	84W	82W

EGRESS Information	50W and 85W Full Cutoff CBP Egress LED	50W and 85W Refractive Lens CBP Egress LED
Delivered Lumens	509	468
B.U.G. Rating	N.A.	N.A.
CCT (Kelvin)	4000K	4000K
CRI (Color Rendering Index)	65	65
Power Consumption (Watts)	1.8W	1.8W

CURRENT DRAW

Current (A)	Model Series			
	XTOR5A	XTOR9A	XTOR5A CBP [Fixture/Battery]	XTOR9A-CBP [Fixture/Battery]
120V	0.43	0.72	0.68/0.25	0.97/0.26
208V	0.25	0.41	-	-
240V	0.22	0.36	-	-
277V	0.20	0.32	0.41/0.21	0.63/0.21
347V	0.16	0.26	-	-
480V	0.12	0.19	-	-

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance	Theoretical L70 (Hours)
50W Model 72,000 Hours		
25°C	> 91%	> 332,000
40°C	> 91%	> 324,000
50°C	> 91%	> 324,000
85W Model 36,000 Hours		
25°C	> 92%	> 157,000
40°C	> 91%	> 134,000
50°C	> 86%	> 85,000

ORDERING INFORMATION

Sample Number: XTOR5A N WT-PC1



Series ¹

Full Cutoff
XTOR5A=50W
 XTOR5A=85W
 Refractive Lens
 XTOR5ARL=50W
 XTOR5ARL=85W

Housing Color

=Carbon Bronze (Standard)
 WT=Summit White

Options ²

347V=347V^{3, 4, 6}
 480V=480V^{4, 8}
PC1=Photocontrol 120V
 PC2=Photocontrol 208-277V⁶
 DIM=0-10V Dimming Driver³
 PMA=Pole Mount Arm (C Drilling) with⁴
 Round Adapter
 HA= 50 Degrees C High Ambient⁷
 CBP=Cold Weather Battery Pack^{3, 4, 6, 8}
 MS/DIM-L20: Motion Sensor^{3, 4, 6, 10, 11, 12}
 for Dimming Operation
 MS-L20: Motion Sensor for On/Off^{3, 4, 11, 12}
 Operation

Accessories ¹³

VA1040-XX: Single Tenon Adapter for 3-1/2" O.D. Tenon¹⁴
 VA1041-XX: 2 @ 180 Degrees Tenon Adapter for 3-1/2" O.D. Tenon¹⁴
 VA1042-XX: 3 @ 120 Degrees Tenon Adapter for 3-1/2" O.D. Tenon¹⁴
 VA1043-XX: 4 @ 90 Degrees Tenon Adapter for 3-1/2" O.D. Tenon¹⁴
 VA1044-XX: 2 @ 90 Degrees Tenon Adapter for 3-1/2" O.D. Tenon¹⁴
 VA1045-XX: 3 @ 90 Degrees Tenon Adapter for 3-1/2" O.D. Tenon¹⁴
 VA1046-XX: 2 @ 120 Degrees Tenon Adapter for 3-1/2" O.D. Tenon¹⁴
 VA1033-XX: Single Tenon Adapter for 2-3/8" O.D. Tenon¹⁴
 VA1034-XX: 2 @ 180 Degrees Tenon Adapter for 2-3/8" O.D. Tenon¹⁴
 VA1035-XX: 3 @ 120 Degrees Tenon Adapter for 2-3/8" O.D. Tenon¹⁴
 VA1036-XX: 4 @ 90 Degrees Tenon Adapter for 2-3/8" O.D. Tenon¹⁴
 VA1037-XX: 2 @ 90 Degrees Tenon Adapter for 2-3/8" O.D. Tenon¹⁴
 VA1038-XX: 3 @ 90 Degrees Tenon Adapter for 2-3/8" O.D. Tenon¹⁴
 VA1039-XX: 2 @ 120 Degrees Tenon Adapter for 2-3/8" O.D. Tenon¹⁴
 WO-XTORMX: Custom MAXX Wire Guard
 PB120V: Field Installed 120V Photocontrol
 PB277V: Field Installed 208-277V Photocontrol

- Notes: 1 DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
 2 Add as suffix.
 3 Not available with HA option.
 4 Deep back box is standard for 347V, 480V, CBP, PMA, MS-L20 and MS/DIM-L20.
 5 Not available with CBP option.
 6 Use PC2 with 347V or 480V option for photocontrol. Factory wired to 208-277V lead.
 7 Three branch wiring not available with HA option or with 347V.
 8 120 or 277V only.
 9 Operating temperatures -20°C to 25°C.
 10 Factory set to 50% power reduction after 15 minutes of inactivity. Dimming driver included.
 11 For use in downlight orientation only. Optimal coverage at mounting heights of 9'-20'.
 12 Includes integral photo sensor.
 13 Order accessories separately.
 14 Replace "XX" with CB for carbon bronze or WT for summit white.

STOCK ORDERING INFORMATION

50W Series	85W Series
Full Cutoff	
XTOR5A=50W, 5000K, Carbon Bronze	XTOR9A=85W, 5000K, Carbon Bronze
XTOR5A-PC1=50W, 5000K, 120V PC, Carbon Bronze	XTOR9A-PC1=85W, 5000K, 120V PC, Carbon Bronze
XTOR5A-WT= 50W, 5000K, Summit White	XTOR9A-WT=85W, 5000K, Summit White
XTOR5A-N=50W, 3500K, Carbon Bronze	XTOR9A-PC2=85W, 5000K, 208-277V PC, Carbon Bronze
	XTOR9A-480V=85W, 5000K, 480V, Carbon Bronze
Refractive Lens	
XTOR5ARL=50W, 5000K, Refractive Lens, Carbon Bronze	XTOR9ARL=85W, 5000K, Refractive Lens, Carbon Bronze
XTOR5ARL-PC1=50W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR9ARL-PC1=85W, 5000K, Refractive Lens, 120V PC, Carbon Bronze
XTOR5ARL-WT=50W, 5000K, Refractive Lens, Summit White	XTOR9ARL-WT=85W, 5000K, Refractive Lens, Summit White
XTOR5ARL-N=50W, 3500K, Refractive Lens, Carbon Bronze	XTOR9ARL-PC2=85W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze
	XTOR9ARL-480V=85W, 5000K, Refractive Lens, 480V, Carbon Bronze



Days Quick Ship

5-DAY QUICK SHIP ORDERING INFORMATION

50W Series	85W Series
Full Cutoff	
XTOR5A-CBP=50W, 5000K, Carbon Bronze, Cold Weather Battery Pack	XTOR9A-CBP=85W, 5000K, Carbon Bronze, Cold Weather Battery Pack
XTOR5A-480V=50W, 5000K, Carbon Bronze, 480V	XTOR9A-N=85W, 3500K, Carbon Bronze
XTOR5A-PC2=50W, 5000K, Carbon Bronze, 208-277V PC	
Refractive Lens	
XTOR5ARL-PC2=50W, Refractive Lens, 5000K, Carbon Bronze, 208-277V PC	XTOR9ARL-CBP=85W, Refractive Lens, 5000K, Carbon Bronze, Cold Weather Battery Pack
XTOR5ARL-CBP=50W, Refractive Lens, 5000K, Carbon Bronze, Cold Weather Battery Pack	XTOR9ARL-N=85W, Refractive Lens, 3500K, Carbon Bronze
XTOR5ARL-480V=50W, Refractive Lens, 5000K, Carbon Bronze, 480V	

lumière

DESCRIPTION

Eon 303 - S1 is a compact, low profile, dimmable LED sign lighting luminaire. It attaches to a wall or ceiling mounted straight arm and delivers full vertical adjustment (180°) for easy aiming. 303 - S1 provides either uplight or downlight depending upon how it is mounted. Optional 24" or 36" straight arms are available in lieu of the standard 12" arm. 303 - S1 mounts directly to any wall or ceiling surface over a standard 4" jbox and comes standard with a universal input LED driver (120 - 277V, 50/60 Hz). Dimming is achieved with a standard ELV, reverse phase dimming driver or an optional 0 - 10V dimming driver. 303 - S1 may be used indoors or outdoors and carries an IP66 rating.

CATALOG: 303 S1 LEDB1 3000 UNV T2 DIM10 CS 36

AREA: BLDG B TYPE: A

PROJECT: 1100 CONCORD AVE RETAIL

SPECIFICATION FEATURES

A ... Material

Head and backplate are precision-machined from corrosion-resistant 6061-T6 aluminum, C360 brass, C932 bronze, C110 copper or 303/304 stainless steel.

B ... Finish

Fixtures constructed from aluminum are double protected by a RoHS compliant chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available. Aluminum fixtures can also be brushed and clear coat painted.

Brass, Bronze, Copper or Stainless Steel

Fixtures constructed from brass, bronze, copper or stainless steel are left unpainted to reveal the natural beauty of the material. Brass, bronze and copper will patina over time.

C ... Gasket

The backplate is sealed with a high temperature silicone gasket to prevent water intrusion into the jbox.

D ... Lens

Diffused, tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock. EDGE LIT option: when specified with the EDGE option, the glass will be slightly thicker, diffused, tempered and sealed in the same manner referenced above. The added glass thickness will offer a brighter line of light around the edge of the glass that will accentuate the fixture's aesthetics and styling.

E ... Adjustable Mounting Arm

Standard 12" straight arm provides 180° of vertical adjustment for easy aiming. Optional 24" or 36" straight arms are available in lieu of standard 12" arm (specify option -24 or -36). Stainless steel locking mechanisms are standard. 4 5/8" square backplate attaches directly to a standard J-box with provided screws.

F ... Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

G ... Electrical

Eon 303 - A1 comes standard with a universal input LED driver (120-277, 50/60Hz). The standard driver is ELV reverse phase dimmable. An optional 0 - 10V dimming driver is also available.

H ... LED

LEDs are included and available in three color temperatures (2700K, 3000K & 4000K) and a variety of optics. Both color temperature and distribution must be specified when ordering - see reverse side for details and catalog logic.

I ... Labels & Approvals

UL and cUL listed, standard wet label. IP66 rated.

J ... Warranty

Lumiera warrants its fixtures against defects in materials & workmanship for five (5) years. Auxiliary equipment such as transformers, ballasts and LED drivers carry the original manufacturer's warranty.



EON

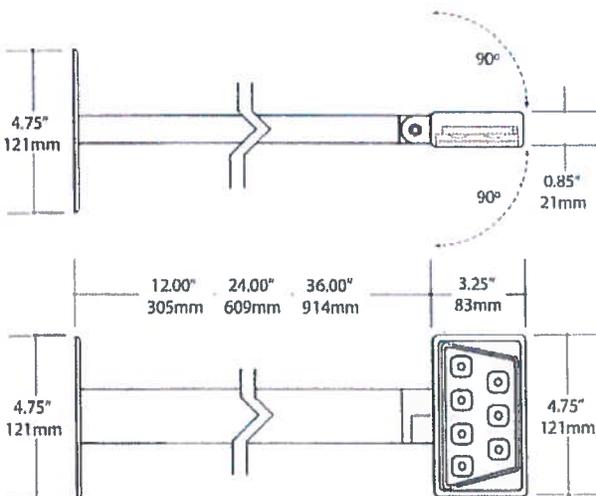
303-S1

8.8 W LED

LED

SIGN

IP66



LED INFORMATION

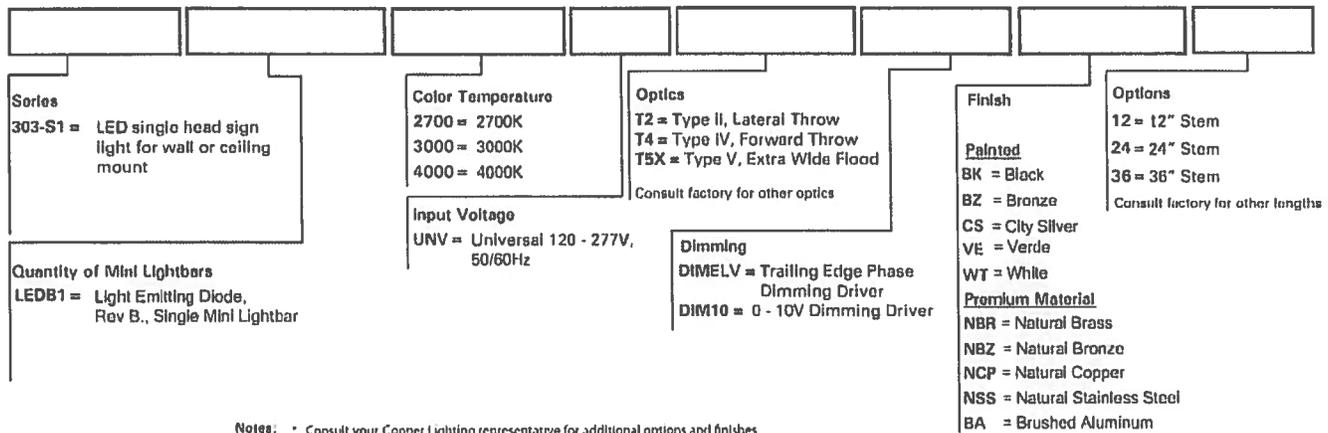
LED	Watts	Distribution	Total Lumens	CRI	°K	Life (hrs.)	Volts
T2, 2700K	8.8	Type II - Lateral Throw	364	95	2700	50000	120V - 277V, 50/60 Hz
T2, 3000K	8.8	Type II - Lateral Throw		85	3000	50000	120V - 277V, 50/60 Hz
T2, 4000K	8.8	Type II - Lateral Throw	607	65	4000	50000	120V - 277V, 50/60 Hz
T4, 2700K	8.8	Type IV - Forward Throw	340	95	2700	50000	120V - 277V, 50/60 Hz
T4, 3000K	8.8	Type IV - Forward Throw		85	3000	50000	120V - 277V, 50/60 Hz
T4, 4000K	8.8	Type IV - Forward Throw	566	65	4000	50000	120V - 277V, 50/60 Hz
T5X, 2700K	8.8	Type V - Flood	381	95	2700	50000	120V - 277V, 50/60 Hz
T5X, 3000K	8.8	Type V - Flood		85	3000	50000	120V - 277V, 50/60 Hz
T5X, 4000K	8.8	Type V - Flood	635	65	4000	50000	120V - 277V, 50/60 Hz

NOTES AND FORMULAS

- Apply appropriate light loss factors where necessary.
- Photometry is LM-79 compliant.

ORDERING INFORMATION

Sample Number: 303 - S1 - LEDB1 - 3000 - UNV - T4 - BA - 24



Notes: • Consult your Cooper Lighting representative for additional options and finishes

ANTW-LED

Construction:

- Steel housing and chassis
- Diffuser is .080" thick white textured polycarbonate or optional white smooth polycarbonate
- Optional alabaster lenses are .080" thick acrylic

Light Source:

- LED
- Dimming (0 - 10v) to 10% **Included**

Notes:

- Center lockup – hardware Included
- Custom cage styles available
- Optional battery backup (18" only)
- Optional photocell (option 21) – specify voltage
- UL and CUL listed WET location
- LED Components
 - OSRAM Gen II Distributed Array
 - CRI > 80
 - 14w - 1600 Lumens
 - 18w - 2000 Lumens
 - 21w - 2450 Lumens
 - Dimming (10% or 1%)
 - 25 watt OSRAM Power Supply
 - 5-Year Warranty on LED Components



Type:	AREA BLDG B TYPE B
Job Name:	1100 CONCORD AVE RETAIL



WALL
CEILING
PENDANT
OUTDOOR

ANTW-13 Height - 13" Width - 7 1/4" Depth - 4"	ANTW-15 Height - 14 3/4" Width - 8 1/4" Depth - 4"	ANTW-18 Height - 19 5/8" Width - 11" Depth - 6"
--	--	---



ORDERING INFORMATION

Example: ANTW-15-LED-U-18W-3-B1-WTP

ANTW 15 LED		U	18W	3	Z3	WTP	DIM
-------------	--	---	-----	---	----	-----	-----

Model	Cage	Voltage	Lamping	Kelvin	Finish	Diffuser	Options
ANTW-13-LED		U 120 - 277	14w LED / 1600lm (114 lm per watt)	2 3000K 3 3500K 4 4000K	B1 Satin Black W2 Gloss White Z1 Satin Bronze Z3 Text Bronze	WTP White Textured Polycarbonate Optional Lens Material (See Price List) AHA Amber Honey Alabaster BAA Beige Alabaster OAA Opal Alabaster WSP White Smooth Polycarbonate	DIM LED dimming driver (0 - 10v) Dimming to 10% (Included) DIM1 LED dimming driver (0 - 10v) Dimming to 1% (See Price List) 16 Bottom Lens 21 Photocell - specify voltage Battery Backup Options (ANTW-18 Only) BB05 5 Watts (585lm) for 90-Minutes BB07 7 Watts (820lm) for 90-Minutes BB10 10 Watts (1170lm) for 90-Minutes
ANTW-15-LED			18w LED / 2000lm (111 lm per watt)		Optional (See Price List)		
ANTW-18-LED			21w LED / 2450lm (117 lm per watt)		W1 Yolk W3 Text White B2 Text Black T4 Shimmer Gray M13 Anod Silver T6 Pewter W13 Pearl Beige M16 Antique Brass		



28435 Industry Drive., Valencia, California 91355
 West Coast Sales: 800-325-4448 / 661-257-0286 • fax 800-323-2346 / 661-257-0201
 East Coast Sales: 866-350-0991 • fax 866-490-5754
 www.lightwayind.com • sales@lightwayind.com



DESCRIPTION

The EPIC Collection delivers custom luminaire flexibility with high quality, yet availability expectations of standard specification grade product. The EPIC Collection can be dressed to suit any application. Recognizing evolving environmental and legislative trends, EPIC Collection delivers world class LED optical and performance solutions to the decorative luminaire marketplace.

Catalog #	ECM 803 LED E1 5M0 SO SN BZ PM48	Type	C
Project	1100 CONCORD AVE RETAIL	Date	
Comments			
Prepared by			

SPECIFICATION FEATURES

Construction
TOP: Cast aluminum classical top housing maintains a nominal 1/8" sidewall thickness. Top attaches to cast aluminum mounting arm hub with four (4) stainless steel fasteners. One-piece silicone gasket between mounting hub and top casting seals out moisture and contaminants. **MIDSECTION:** Continuous silicone gaskets seal lens to top casting and shade. The following mid section options feature cast aluminum construction and stainless steel assembly hardware: **SO Solid Rings,** **SHADES:** Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form. **DOORFRAME:** Die-cast aluminum 1/8" thick door and doorframe seal to underside of shade with a thick wall continuous silicone gasket. Mounting hub ships attached to mounting arm.

Optics
DISTRIBUTION: Choice of twelve (12) patented, high-efficiency AccuLED Optics™ that maximize light collection and direction

distribution onto the application region. Each optical lens is precision manufactured via injection-molding, then precisely arranged and sealed on the board media. **LEDs:** High output LEDs, 50,000+ hours life at >70% lumen maintenance, offered standard in 4000°K (+/- 275K) CCT and nominal 70 CRI.

Electrical
ELECTRICAL TRAY: Driver and related electrical componentry are mounted to one piece tray. Quick disconnect wiring plugs allows for tray removal during routine maintenance. **DRIVER:** LED drivers are potted and heat sunk for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120-277V/50-60hz), greater than 0.9 power factor, less than 20% harmonic distortion and feature ambient temperature range of +40°C (104°F) down to minimum starting temperature of -30°C (-22°F). Shipped standard with Cooper Lighting proprietary circuit module designed to withstand

10kV of transient line surge. All LED LightBARs and drivers are mounted to dedicated mounting trays and are easily replaced by use of quick disconnects for ease of wiring. Options to control light levels, energy savings and egress capabilities (separate circuit) are available.

Finish
Housing is finished in 5-stage Super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty
ECM LED features a five-year limited warranty.

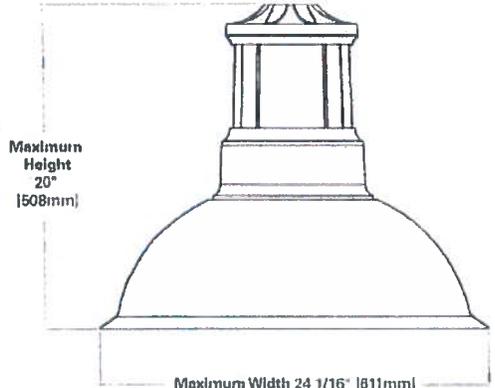


ECM EPIC CLASSICAL MEDIUM LED

1 - 4 LightBARs
Solid State LED
DECORATIVE AREA



DIMENSIONS



NOTE: See configurations for more detailed information.

CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP68 LightBARs
ARRA Compliant
LM79 / LM80 Compliant
3.5G Vibration Tested

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60hz, 347V/60hz, 480V/60hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.)
0.94

SHIPPING DATA

Approximate Net Weight:
45 lbs.



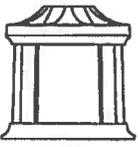
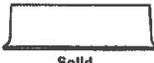
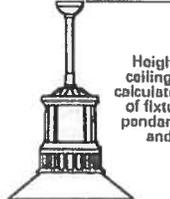
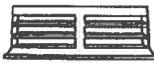
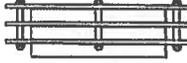
POWER AND LUMENS BY BAR COUNT

Number of LightBARs	DISTRIBUTION													
	Power [Watts]	Current @ 120V [A]	Current @ 277V [A]	T2	T3	T4	SL2	SL3	SL4	5MQ	5WQ	5XQ	RW	SLR/SLL
7 LED LIGHTBAR														
C01	27	0.23	0.13	1,873	1,866	1,817	1,836	1,766	1,807	1,937	1,907	1,911	1,847	1,704
C02	54	0.46	0.21	3,716	3,701	3,605	3,642	3,485	3,585	3,843	3,783	3,792	3,685	3,380
C03	77	0.65	0.29	5,476	5,453	5,311	5,366	5,134	5,282	5,661	5,573	5,588	5,389	4,980
C04	101	0.86	0.37	7,282	7,253	7,064	7,137	6,829	7,026	7,530	7,413	7,430	7,181	6,824
21 LED LIGHTBAR														
B01	27	0.23	0.13	2,304	2,295	2,235	2,258	2,160	2,223	2,382	2,345	2,351	2,272	2,096
B02	51	0.43	0.20	4,571	4,553	4,434	4,480	4,286	4,410	4,726	4,653	4,604	4,508	4,158
B03	73	0.62	0.28	6,734	6,707	6,533	6,600	6,315	6,497	6,963	6,855	6,871	6,641	6,125
B04	95	0.81	0.35	8,957	8,921	8,689	8,779	8,399	8,642	9,262	9,118	9,139	8,833	8,148

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

PRODUCT CONFIGURATION

HOUSING	MID SECTION	SHADE	MOUNTING OPTION
 <p>Classical 8.6" H x 8.7" W</p>	 <p>Solid 3.4" H x 9.9" W</p>	 <p>Straight Narrow 8.6" H x 19.1" W</p>	 <p>Height from ceiling equals calculated height of fixture plus pendant length and 7/8"</p>
 <p>Window 3.4" H x 9.9" W</p>	 <p>Straight Wide 5.1" H x 23.9" W</p>		
 <p>Louvered 3.4" H x 9.9" W</p>	 <p>Bell 8" H x 24" W</p>		
 <p>Slot 3.4" H x 9.9" W</p>	 <p>Flute 6" H x 22.5" W</p>		
 <p>Solid Rings 3.4" H x 12" W</p>			

ORDERING INFORMATION

Sample Number: ECM-B04-LED-E1-T2-FL-BK-ZL

Product Family ^{1,2} ECM=Epic Classic Medium	Distribution T2=Type II T3=Type III T4=Type IV BMO=Type V Square Medium	Shade Type SN=Straight Narrow SW=Straight Wide BL=Bell FL=Flute	Accessories ¹¹ VA0150-XX=Bishop Wall Mount Arm VA0151-XX=Bishop Wall Mount Arm w/Cross Rod VA0152-XX=Traditional Wall Mount Arm VA0153-XX=Traditional Wall Mount Arm w/45 Degree Strap VA0154-XX=Bishop Single Pole Mount Arm VA0155-XX=Bishop Single Pole Mount Arm w/Cross Rod VA0156-XX=Bishop Twin Pole Mount Arm VA0157-XX=Bishop Twin Pole Mount Arm w/Cross Rods VA0158-XX=Traditional Single Pole Mount Arm VA0159-XX=Traditional Single Pole Mount Arm w/Rounded Upper Bar VA0160-XX=Traditional Single Pole Mount Arm w/Rounded Lower Bar 15 VA0161-XX=Traditional Single Pole Mount Arm w/45 Degree Upper Bar VA0162-XX=Traditional Single Pole Mount Arm w/45 Degree Lower Bar 15 VA0163-XX=Traditional Single Pole Mount Arm w/45 Degree Upper Strap VA0165-XX=Traditional Twin Pole Mount Arm VA0166-XX=Traditional Twin Pole Mount Arm w/Rounded Upper Bars VA0167-XX=Traditional Twin Pole Mount Arm w/Rounded Lower Bars 15 VA0168-XX=Traditional Twin Pole Mount Arm w/45 Degree Upper Bars VA0169-XX=Traditional Twin Pole Mount Arm w/45 Degree Lower Bars 15 VA0170-XX=Traditional Twin Pole Mount Arm w/45 Degree Upper Straps VA0171-XX=ECM Mast Arm Adapter OA/RA1010=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V
Number of Lightbars ^{3,4} B01= [1] 21 LED LightBARs B02= [2] 21 LED LightBARs B03= [3] 21 LED LightBARs B04= [4] 21 LED LightBARs C01= [1] 7 LED LightBARs C02= [2] 7 LED LightBARs C03= [3] 7 LED LightBARs C04= [4] 7 LED LightBARs	BWC=Type V Square Wide BXQ=Type V Square Extra Wide RW=Rectangular Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90 Degree Spill Light Eliminator Left SLR=90 Degree Spill Light Eliminator Right	Finish ⁶ BK=Black AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic	VA0172-XX=ECM Mast Arm Adapter VA0173-XX=ECM Mast Arm Adapter VA0174-XX=ECM Mast Arm Adapter VA0175-XX=ECM Mast Arm Adapter VA0176-XX=ECM Mast Arm Adapter VA0177-XX=ECM Mast Arm Adapter VA0178-XX=ECM Mast Arm Adapter VA0179-XX=ECM Mast Arm Adapter VA0180-XX=ECM Mast Arm Adapter VA0181-XX=ECM Mast Arm Adapter VA0182-XX=ECM Mast Arm Adapter VA0183-XX=ECM Mast Arm Adapter VA0184-XX=ECM Mast Arm Adapter VA0185-XX=ECM Mast Arm Adapter VA0186-XX=ECM Mast Arm Adapter VA0187-XX=ECM Mast Arm Adapter VA0188-XX=ECM Mast Arm Adapter VA0189-XX=ECM Mast Arm Adapter VA0190-XX=ECM Mast Arm Adapter VA0191-XX=ECM Mast Arm Adapter VA0192-XX=ECM Mast Arm Adapter VA0193-XX=ECM Mast Arm Adapter VA0194-XX=ECM Mast Arm Adapter VA0195-XX=ECM Mast Arm Adapter VA0196-XX=ECM Mast Arm Adapter VA0197-XX=ECM Mast Arm Adapter VA0198-XX=ECM Mast Arm Adapter VA0199-XX=ECM Mast Arm Adapter VA0200-XX=ECM Mast Arm Adapter
Lamp Type LED=Solid State Light Emitting Diodes	Mid Section Type SO=Solid WN=Window LV=Louvered ST=Slot SR=Solid Rings	Options ZL=Two Circuits ⁸ LCF=LightBAR Cover Plate Matched Housing Finish 7060=70 CRI/6000K CC17 8030=80 CRI/3000K CC7 MS-LXX=Motion Sensor for on/off ⁹ operation MS/X-LXX=Motion Sensor for bi-level ⁹ switching PM48=Pendant Mount 48" Length or ¹⁰ Specify Pendant Length Inches (XX)	Accessory Options ¹² V=Victorian Finial ¹³ M=Modern Finial ¹³ A=Architectural Finial ¹³ N=Nostalgic Finial ¹³ R=NEMA Twistlock Photocell Receptacle ¹⁴
Voltage E1=Electronic (120-277V) 347=347V 480=480V			

- Notes: 1 DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
 2 Arm not included. Order separately. See accessories.
 3 Standard 4000 K CCT and greater than 70 CRI.
 4 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
 5 Custom and RAL color matching available upon request. Consult your customer service representative for further information.
 6 Low level output varies by bar count. Consult factory. Requires quantity two or more LightBARs.
 7 Consult customer service for lead times and lumen multipliers.
 8 Sensor mounted to the luminaire. Available in B01 - B06 and C01 - C06 configurations. Replace XX with mounting height in feet for proper lens selection, (i.e., M5-L26). Consult factory for additional information.
 9 Sensor mounted to luminaire. Available in B02 - B06 and C02 - C06 configurations. Replace X with number of bars operating in low output mode and replace XX with mounting height in feet for proper lens selection, (i.e., MS7-L25). Maximum 4 bars in low output mode. Consult factory for additional information.
 10 PM option must be used with INVUE Pendant Kit only. Includes 48" long pendant pipe, swivel hanger and canopy cover. Other pendant lengths can be specified in inches (XX). Minimum pendant length is 9.5". For lengths above 48", consult InVue Lighting Systems representative.
 11 Order separately, replace XX with color suffix.
 12 Add as suffix to accessory. Example: VA0158-BK-R.
 13 Only available with Traditional arms.
 14 Not available with finials, pendant mount (PM48) or bishop wall mounts.
 15 Requires use of 4" O.D. round straight pole.

NOTE: Specifications and dimensions subject to change without notice.
 Visit our web site at www.cooperlighting.com

DESCRIPTION

The patent pending Lumark Crosstour™ MAXX LED Wall Pack Series of luminaires provides low-profile architectural style with super bright, energy-efficient LEDs. The rugged die-cast aluminum construction, back box with secure lock hinges, stainless steel hardware along with a sealed and gasketed optical compartment make Crosstour impervious to contaminants. The Crosstour MAXX wall luminaire is ideal for wall/surface, inverted mount for facade/canopy illumination, perimeter and site lighting. Typical applications include pedestrian walkways, building entrances, multi-use facilities, industrial facilities, perimeter parking areas, storage facilities, institutions, schools, and loading docks.

SPECIFICATION FEATURES

Construction

Low-profile LED design with rugged one-piece, die-cast aluminum back box and hinged removable door. Matching housing styles incorporate both a full cutoff and refractive lens design. Full cutoff and refractive lens models are available in 50W and 85W. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes four (4) 1/2" NPT threaded conduit entry points. The back box is secured by four (4) lag bolts (supplied by others). External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Not recommended for car wash applications.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered reflector providing high-efficiency illumination. Full cutoff models integrate an impact-resistant molded refractive prism optical lens assembly meeting requirements for Dark Sky compliance. Refractive lens models incorporate a molded lens

assembly designed for maximum forward throw. Solid state LED Crosstour luminaires are thermally optimized with two (2) lumen packages in cool 5000K or neutral warm 3500K LED color temperature (CCT).

Electrical

LED driver is mounted to the die-cast aluminum housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 50W and 85W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C [122°F] models available. Crosstour MAXX luminaires maintain greater than 85% of initial light output after 60,000 hours of operation. Four (4) half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz, 480V 60Hz, or 347V 60Hz electrical operation.

Emergency Egress

Optional integral cold weather

battery emergency egress includes emergency operation test switch, an AC-ON indicator light and a premium extended rated sealed maintenance-free nickel-metal hydride battery pack. The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting.

Area and Site Pole Mounting

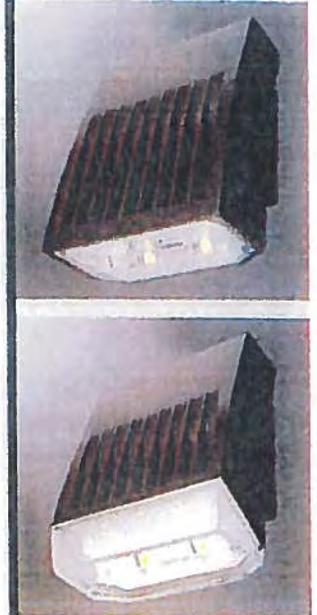
Optional extruded aluminum 6-1/2" arm features internal bolt guides for supplied twin support rods, allowing for easy positioning of the fixture during installation to pole. Supplied with round plate adapter plate. Optional tenon adapter fits 2-3/8" or 3-1/2" O.D. Tenon.

Finish

Crosstour MAXX is protected with a Super TGIC carbon bronze or summit white polyester powder coat paint. Super TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

Warranty

Five-year limited warranty.



**XTOR
CROSSTOUR
MAXX LED**

**APPLICATIONS:
WALL / SURFACE
INVERTED
SITE LIGHTING**



CERTIFICATION DATA

UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ARRA Compliant
NOM Compliant Models
3G Vibration Tested
UL924 Listed [ICBP Models]
IP66 Rated
Lighting Facts® Registered
DesignLights™ Consortium Qualified*

TECHNICAL DATA

40°C Ambient Temperature
External Supply Wiring 90°C Minimum

EPA

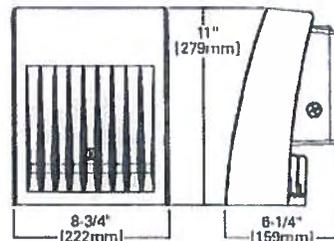
Effective Projected Area (Sq. Ft.):
XTOR5A/XTOR9A = 0.54
With Pole Mount Arm = 0.98

SHIPPING DATA:

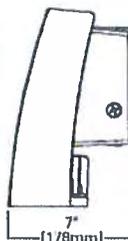
Approximate Net Weight:
12-15 lbs. [5.4-6.8 kgs.]

DIMENSIONS

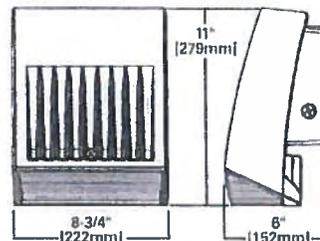
FULL CUTOFF



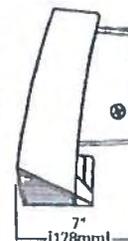
DEEP BACK BOX



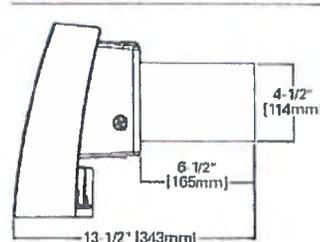
REFRACTIVE LENS



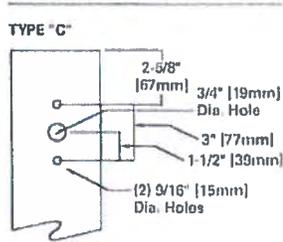
DEEP BACK BOX



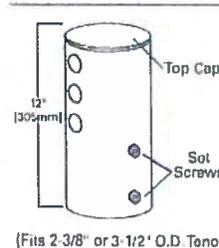
ARM MOUNT



ARM DRILLING



TENON ADAPTER



POWER AND LUMENS BY FIXTURE MODEL

50W LED Information	XTOR5A	XTOR5ARL	XTOR5A-N	XTOR5ARL-N
Delivered Lumens	4,282	4,553	3,532	3,830
B.U.G. Rating	B1-U0-G1	B1-U3-G2	B1-U0-G1	B1-U3-G2
CCT (Kelvin)	5000K	5000K	3500K	3500K
CRI (Color Rendering Index)	85	85	68	68
Power Consumption (Watts)	50W	50W	50W	50W

85W LED Information	XTOR9A	XTOR9ARL	XTOR9A-N	XTOR9ARL-N
Delivered Lumens	7,192	7,416	6,456	5,702
B.U.G. Rating	B1-U0-G1	B1-U3-G3	B1-U0-G1	B1-U3-G2
CCT (Kelvin)	5000K	5000K	3500K	3500K
CRI (Color Rendering Index)	85	85	68	68
Power Consumption (Watts)	86W	85W	84W	82W

EGRESS Information	50W and 85W Full Cutoff CBP Egress LED	50W and 85W Refractive Lens CBP Egress LED
Delivered Lumens	509	488
B.U.G. Rating	N.A.	N.A.
CCT (Kelvin)	4000K	4000K
CRI (Color Rendering Index)	85	85
Power Consumption (Watts)	1.8W	1.8W

CURRENT DRAW

Current (A)	Model Series			
	XTOR5A	XTOR9A	XTOR5A-CBP [Fixture/Battery]	XTOR9A-CBP [Fixture/Battery]
120V	0.43	0.72	0.68/0.25	0.97/0.25
208V	0.25	0.41	--	--
240V	0.22	0.36	--	--
277V	0.20	0.32	0.41/0.21	0.53/0.21
347V	0.16	0.26	--	--
480V	0.12	0.19	--	--

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance	Theoretical L70 (Hours)
50W Model 72,000 Hours		
25°C	> 91%	> 332,000
40°C	> 91%	> 324,000
50°C	> 91%	> 324,000
85W Model 36,000 Hours		
25°C	> 92%	> 157,000
40°C	> 91%	> 134,000
50°C	> 86%	> 85,000

ORDERING INFORMATION

Sample Number: XTOR5A-N-WT-PC1



Series ¹

Full Cutoff

XTOR5A=50W

XTOR5A=85W

Refractive Lens

XTOR5ARL=50W

XTOR5ARL=85W

LED Kelvin Color

= Bright White (Standard) 5000K

N= Neutral Warm White, 3500K

Housing Color

= Carbon Bronze (Standard)

WT= Summit White

Options ⁷

347V=347V^{2, 4, 6}

480V=480V^{2, 4, 6}

PC1= Photocontrol 120V

PC2= Photocontrol 208-277V⁸

DIM= 0-10V Dimming Driver³

PMA= Pole Mount Arm (C Drilling) w/1⁴ Round Adapter

HA= 50 Degree C High Ambient⁷

CBP= Cold Weather Battery Pack^{2, 4, 8, 9}

MSDIM-L20= Motion Sensor^{2, 4, 8, 10, 11, 12} for Dimming Operation

MS-L20= Motion Sensor for On/Off^{2, 4, 11, 12} Operation

Accessories ¹³

VA1040-XX= Single Tenon Adapter for 3-1/2" O.D. Tenon¹⁴

VA1041-XX= 2 @ 180 Degree Tenon Adapter for 3-1/2" O.D. Tenon¹⁴

VA1042-XX= 3 @ 120 Degree Tenon Adapter for 3-1/2" O.D. Tenon¹⁴

VA1043-XX= 4 @ 90 Degree Tenon Adapter for 3-1/2" O.D. Tenon¹⁴

VA1044-XX= 2 @ 90 Degree Tenon Adapter for 3-1/2" O.D. Tenon¹⁴

VA1045-XX= 3 @ 90 Degree Tenon Adapter for 3-1/2" O.D. Tenon¹⁴

VA1046-XX= 2 @ 120 Degree Tenon Adapter for 3-1/2" O.D. Tenon¹⁴

VA1033-XX= Single Tenon Adapter for 2-3/8" O.D. Tenon¹⁴

VA1034-XX= 2 @ 180 Degree Tenon Adapter for 2-3/8" O.D. Tenon¹⁴

VA1035-XX= 3 @ 120 Degree Tenon Adapter for 2-3/8" O.D. Tenon¹⁴

VA1036-XX= 4 @ 90 Degree Tenon Adapter for 2-3/8" O.D. Tenon¹⁴

VA1037-XX= 2 @ 90 Degree Tenon Adapter for 2-3/8" O.D. Tenon¹⁴

VA1038-XX= 3 @ 90 Degree Tenon Adapter for 2-3/8" O.D. Tenon¹⁴

VA1039-XX= 2 @ 120 Degree Tenon Adapter for 2-3/8" O.D. Tenon¹⁴

WG-XTORMX= Crossbar: MAXX Wire Guard

PB120V= Field Installed 120V Photocontrol

PB277V BUTTON PC= Field Installed 208-277V Photocontrol

Notes: 1 DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

2 Add as suffix.

3 Not available with HA option.

4 Deep back box is standard for 347V, 480V, CBP, PMA, MS-L20 and MSDIM L20.

5 Not available with CBP option.

6 Use PC2 with 347V or 480V option for photocontrol. Factory wired to 208-277V lead.

7 Thru-branch wiring not available with HA option or with 347V.

8 120 or 277V only.

9 Operating temperatures -20°C to 26°C.

10 Factory set to 50% power reduction after 15 minutes of inactivity. Dimming driver included.

11 For use in downlight orientation only. Optimal coverage at mounting heights of 9'-20'.

12 Includes integral photo sensor.

13 Order accessories separately.

14 Replace "XX" with CB for carbon bronze or WT for summit white.

STOCK ORDERING INFORMATION

50W Series	85W Series
Full Cutoff	
XTOR5A=50W, 5000K, Carbon Bronze	XTOR9A=85W, 5000K, Carbon Bronze
XTOR5A PC1=50W, 5000K, 120V PC, Carbon Bronze	XTOR9A-PC1=85W, 5000K, 120V PC, Carbon Bronze
XTOR5A-WT= 50W, 5000K, Summit White	XTOR9A-WT=85W, 5000K, Summit White
XTOR5A-N=50W, 3500K, Carbon Bronze	XTOR9A-PC2=85W, 5000K, 208-277V PC, Carbon Bronze
	XTOR9A-480V=85W, 5000K, 480V, Carbon Bronze
Refractive Lens	
XTOR5ARL=50W, 5000K, Refractive Lens, Carbon Bronze	XTOR9ARL=85W, 5000K, Refractive Lens, Carbon Bronze
XTOR5ARL-PC1=50W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR9ARL-PC1=85W, 5000K, Refractive Lens, 120V PC, Carbon Bronze
XTOR5ARL-WT=50W, 5000K, Refractive Lens, Summit White	XTOR9ARL-WT=85W, 5000K, Refractive Lens, Summit White
XTOR5ARL-N=50W, 3500K, Refractive Lens, Carbon Bronze	XTOR9ARL-PC2=85W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze
	XTOR9ARL-480V=85W, 5000K, Refractive Lens, 480V, Carbon Bronze



Days Quick-Ship

5-DAY QUICK SHIP ORDERING INFORMATION

50W Series	85W Series
Full Cutoff	
XTOR5A-CBP=50W, 5000K, Carbon Bronze, Cold Weather Battery Pack	XTOR9A-CBP=85W, 5000K, Carbon Bronze, Cold Weather Battery Pack
XTOR5A-480V=50W, 5000K, Carbon Bronze, 480V	XTOR9A-N=85W, 3500K, Carbon Bronze
XTOR5A-PC2=50W, 5000K, Carbon Bronze, 208-277V PC	
Refractive Lens	
XTOR5ARL-PC2=50W, Refractive Lens, 5000K, Carbon Bronze, 208-277V PC	XTOR9ARL-CBP=85W, Refractive Lens, 5000K, Carbon Bronze, Cold Weather Battery Pack
XTOR5ARL-CBP=50W, Refractive Lens, 5000K, Carbon Bronze, Cold Weather Battery Pack	XTOR9ARL-N=85W, Refractive Lens, 3500K, Carbon Bronze
XTOR5ARL-480V=50W, Refractive Lens, 5000K, Carbon Bronze, 480V	

BVWW-LED

Construction:

- Aluminum housing and chassis
- Clear tempered glass lens

Light Source:

- LED
- Dimming (0 - 10v) to 10% **Included**

Notes:

- Integral mounting plate; keyhole slots left and right
- All aluminum construction (painted finish only)
- Optional battery backup
- Dark Sky compliant
- UL and CUL listed WET location
- LED Components
 - OSRAM Distributed Array
 - CRI > 80
 - 18w - 2,000 Lumens
 - 36w - 4,000 Lumens
 - Dimming (10% or 1%)
 - Osram 25w LED Driver
 - 5-Year Warranty on LED Components



Type:	
Job Name:	



WALL

CEILING

PENDANT

OUTDOOR

BVWW-13

Height - 13 1/2"

Width - 12"

Depth - 13 3/4"



ORDERING INFORMATION

Example: BVWW-13-LED-U-36W-3-B2-CEG

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Model	Cage	Voltage	Lamping	Kelvin	Finish	Diffuser	Options
BVWW-13-LED		U 120 - 277	18w LED / 2000lm (111 lm per watt) 36w LED / 4000lm (111 lm per watt)	2 3000K 3 3500K 4 4000K	B1 Satin Black Z1 Satin Bronze Z3 Text Bronze Optional (See Price List) W1 Yolk W2 Gloss White W3 Text White B2 Text Black T4 Shimmer Gray M13 Anod Silver T6 Pewter W13 Pearl Beige	CEG Clear Tempered Glass	DIM LED dimming driver (0 - 10v) Dimming to 10% (Included) DIM1 LED dimming driver (0 - 10v) Dimming to 1% (See Price List) Battery Backup Options BB05 5 Watts (585lm) for 90-Minutes



28435 Industry Drive., Valencia, California 91355
 West Coast Sales: 800-325-4448 / 661-257-0286 • fax 800-323-2346 / 661-257-0201
 East Coast Sales: 866-350-0991 • fax 866-490-5754
 www.lightwayind.com • sales@lightwayind.com



MRAW-920-LED

Construction:

- Steel housing and chassis
- Diffuser is .10 extruded white acrylic
- Accent bars and rings are extruded aluminum

Light Source:

- LED
- Dimming (0 - 10v) to 10% **Included**

Notes:

- Integral mounting plate; keyhole slots
- Top and bottom white acrylic lens - standard
- Not all material and accent styles are available
- Optional Photocell (Z1) Increases fixture depth 1 1/2"
- Optional lens cover (ALC) eliminates up/down light
- Optional battery backup
- UL and CUL listed WET location
- LED Components
 - OSRAM Gen II Distributed Array
 - CRI > 80
 - 21w - 2450 Lumens
 - 36w - 4000 Lumens
 - Dimming (10% or 1%)
 - OSRAM Power Supply
 - 5-Year Warranty on LED Components



Height - 20"
 Width - 9"
 Depth - 5 1/2"
 MC - 10"

Type:	
Job Name:	



WALL

CEILING

PENDANT

OUTDOOR



ORDERING INFORMATION

Example: MRAW-920-LED-B-U-36W-3-Z3-WSA-P-EC

--	--	--	--	--	--	--	--

Model	Cage	Voltage	Lamping	Kelvin	Finish	Diffuser	Options
MRAW-920-LED	A	U 120 - 277	21w LED / 2450lm (111 lm per watt)	2 3000K 3 3500K 4 4000K	B1 Satin Black Z1 Satin Bronze Z3 Text Bronze	WSA White Smooth Acrylic Optional Cage Accents (See Page 2) Material F Filigree P Perforated Screen M Wire Mesh W Waffle Pattern Style SC Screen Complete CC Center Complete CH Center Half EC Ends Complete SF Sides Full CF Center Full OX Custom	DIM LED dimming driver (0 - 10v) Dimming to 10% (Included) DIM1 LED dimming driver (0 - 10v) Dimming to 1% (See Price List) Z1 Photocell - See Notes ALC Aluminum Lens Cover - See Notes Battery Backup Options BB07 7 Watts (820lm) for 90-Minutes BB10 10 Watts (1170lm) for 90-Minutes
	B						
	C						
	D		36w LED / 4000lm (117 lm per watt)	Optional (See Price List)	Optional (See Price List)		
	E						
	F						
	X						



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 East Coast Sales: 866-350-0991 • fax 866-490-5754
 www.lightwayind.com • sales@lightwayind.com



EXHIBIT D

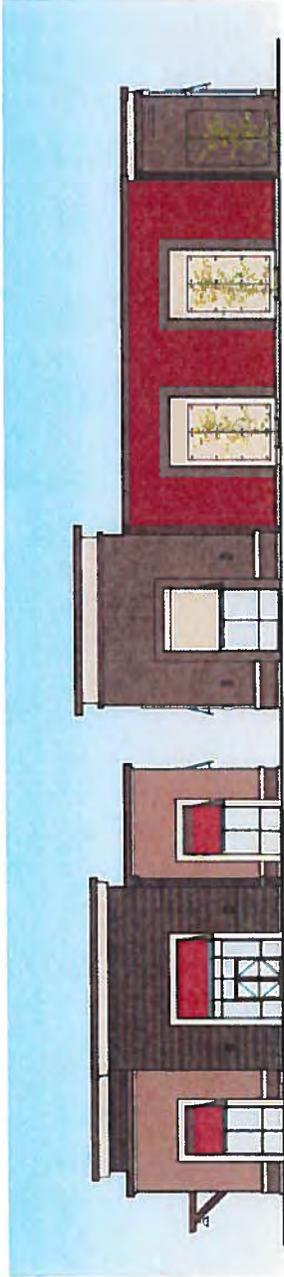


NORTHWEST VIEW

RECEIVED
DEC 19 2014
PLANNING

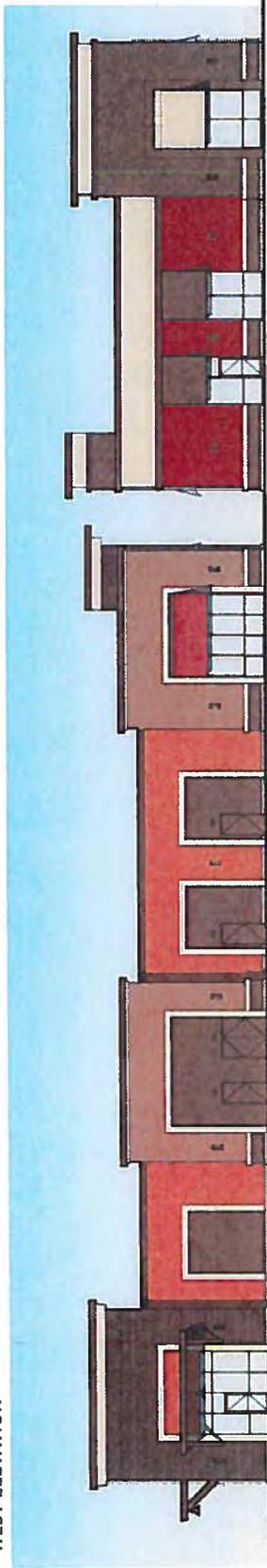
NORTHEAST VIEW





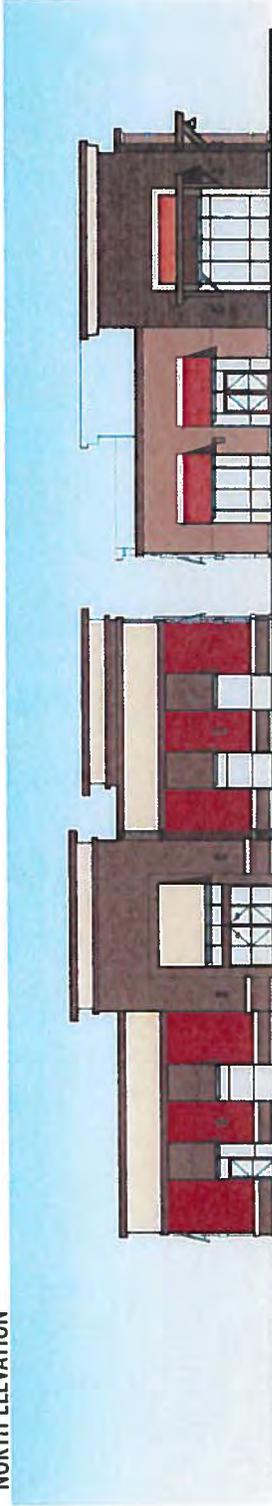
WEST ELEVATION

BLDG A BLDG B



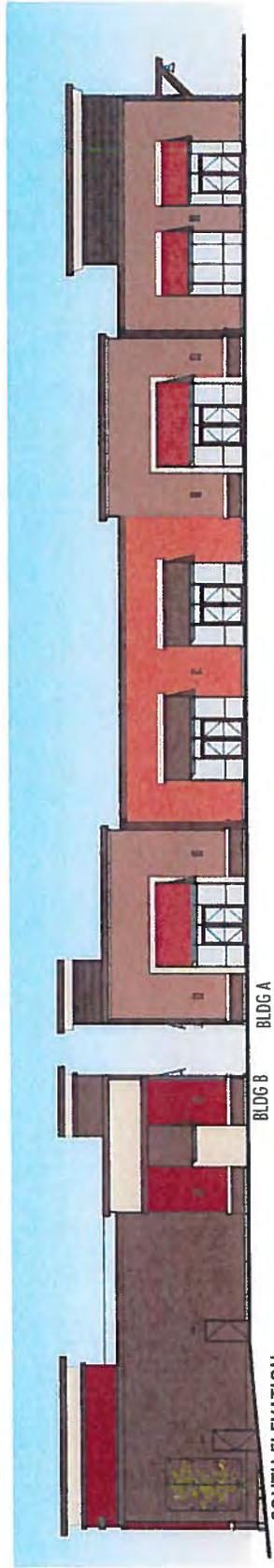
NORTH ELEVATION

BLDG A BLDG B



EAST ELEVATION

BLDG B BLDG A



SOUTH ELEVATION

BLDG B BLDG A

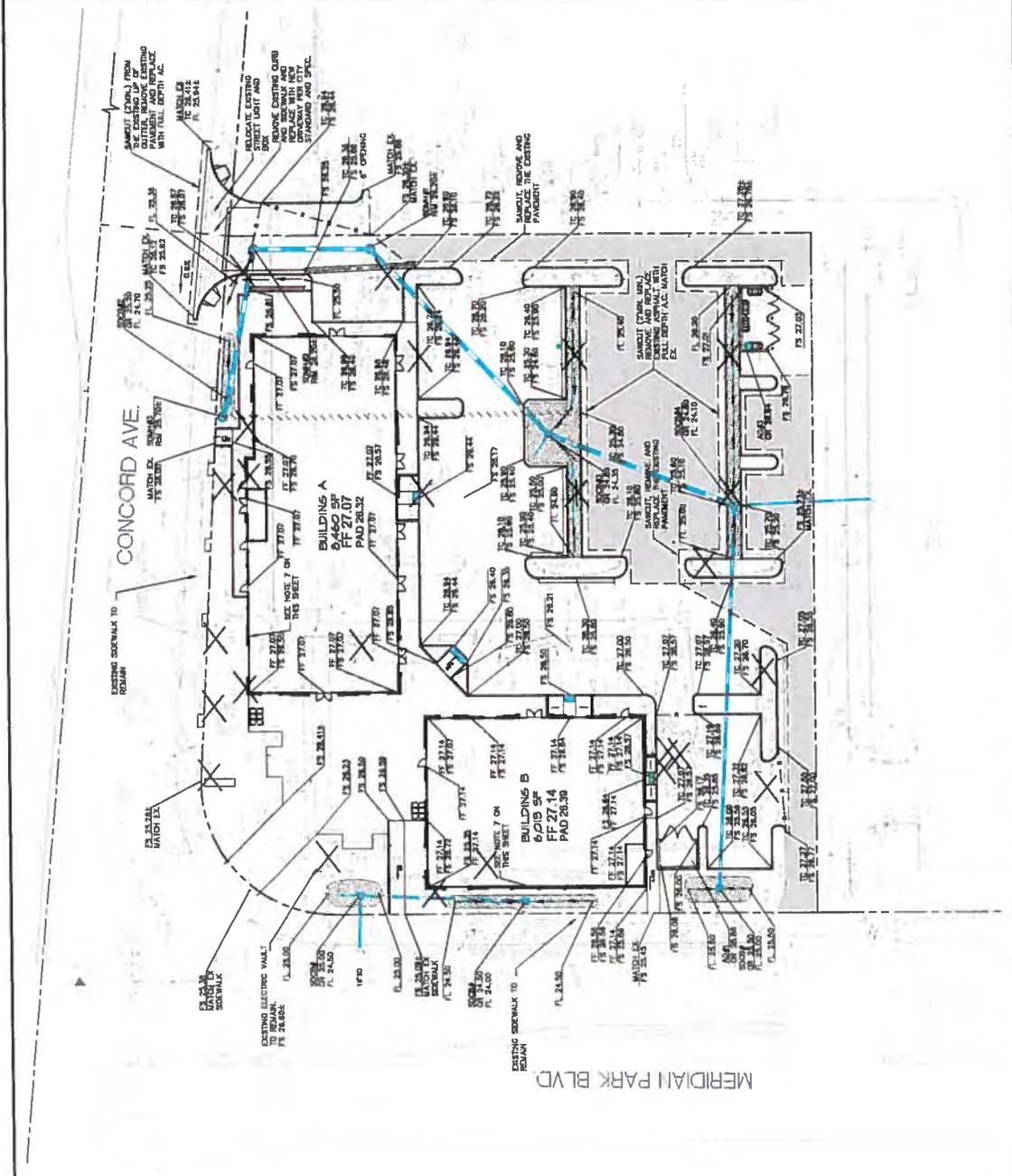
DATE	BY	DESCRIPTION
12-17-14	REV 4	100% SUBMITTAL
10-17-14	REV 3	75% SUBMITTAL
12-17-14	REV 2	CONTRACT NEGOTIATION
08-17-14	REV 1	PRELIMINARY PLAN

FILE NAME	DATE
CONCEPTUAL GRADING PLAN	12-17-14

ams
 801 YAMATO WALKY ROAD
 SUITE 230
 WILMINGTON, CA 94188
 925-943-7777 FAX 925-943-2778

CONCEPTUAL GRADING PLAN
 LRA INVESTORS, LLC
 1100 CONCORD AVENUE
 CONCORD, CALIFORNIA
 CONCORD COSTA ASSOCIATES, INC.
 PLANNING ENGINEERING SURVEYING

PROJECT
 C-1
 13-2188



LEGEND:

- BOULEVARD AREA
- AREA OF THE EXISTING PARKING LOT TO REMAIN AND NOT DISTURBED TO BE REFINISHED. THIS NUMBER IS ONLY FOR REFERENCE, NOT FOR THE BID.
- TOTAL DISTURBED AREA = 54,017 SF = 1.22 AC. THIS NUMBER IS ONLY FOR REFERENCE, NOT FOR THE BID.
- EXISTING TREES TO BE REMOVED. PRIOR TO REMOVAL.
- RECONSTRUCT
- REPAIR
- REPLACE
- REMOVE

GENERAL GRADING NOTES:

1. ALL CHANGE STRUCTURES AND STORM SEWER PIPES SHALL BE HEAVY DUTY TRIPLE (TSD) LINED AND BE REFINISHED AS NECESSARY TO MAINTAIN THE EXISTING SURFACE FINISH. ALL CHANGES SHALL BE MADE IN ACCORDANCE WITH THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. ALL GRADING SHALL BE ACCORDING TO THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.
3. SITE GRADING SHALL NOT EXCEED APPROXIMATE DIMENSION & SLOPE AS SHOWN ON THIS PLAN.
4. ALL GRADING SHALL BE ACCORDING TO THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.
5. GRADING IN ACCESSIBLE AREAS SHALL NOT EXCEED MORE THAN 2% FROM FINISH WITH A MIN. SLOPE OF 2%.
6. ADA RAMP SHALL NOT EXCEED THE 1:12 SLOPE AND SHALL BE CHECKED AT 2% SLOPE IN ANY DIRECTION.
7. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE A DETAILED GRADING REPORT AND ARCHITECTURAL RECOMMENDATION. SEE THE REPORT AND ARCHITECTURAL PLAN FOR MORE INFORMATION. ALL GRADING SHALL BE ACCORDING TO THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.
8. THE EXISTING SURFACE STRUCTURE, CURB SIDEWALK, ETC. TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION AND REPAIR. ALL REPAIRS SHALL BE ACCORDING TO THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.
9. THE EXISTING SURFACE STRUCTURE, CURB SIDEWALK, ETC. TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION AND REPAIR. ALL REPAIRS SHALL BE ACCORDING TO THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.
10. THE EXISTING SURFACE STRUCTURE, CURB SIDEWALK, ETC. TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION AND REPAIR. ALL REPAIRS SHALL BE ACCORDING TO THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.
11. SEE THE STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR THE CONCRETE SLAB.
12. SEE LAYOUTS AND SPECIFICATIONS FOR THE LOCATION OF THE EXISTING AND PROPOSED CURB AND SIDEWALK ON THE PLAN AND ADJACENT TO THE BUILDING.
13. ALL CONSTRUCTION AND MATERIALS FOR DRAINAGE SHALL BE IN ACCORDANCE WITH THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
14. THE EXISTING SURFACE STRUCTURE, CURB SIDEWALK, ETC. TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION AND REPAIR. ALL REPAIRS SHALL BE ACCORDING TO THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.
15. THE EXISTING SURFACE STRUCTURE, CURB SIDEWALK, ETC. TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION AND REPAIR. ALL REPAIRS SHALL BE ACCORDING TO THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.
16. THE EXISTING SURFACE STRUCTURE, CURB SIDEWALK, ETC. TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION AND REPAIR. ALL REPAIRS SHALL BE ACCORDING TO THE CITY OF CONCORD STANDARD SPECIFICATIONS FOR CONSTRUCTION.

CONCORD AVENUE

MERIDIAN PARK BLVD.

TREE INVENTORY SPREADSHEET (LOCKEHOUSE):

TREE TO BE REMOVED

TREE NO.	COMMON NAME	BOTANICAL NAME	TRUNK DIAMETER (IN)	HEIGHT (FT)	CANOPY SPREAD (FT)	OVERALL CONDITION	MESSAGE
1	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
2	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
3	ITALYAN STONE PINE	PHYLIPERIA	28			POOR	
4	HONEY LOCUST	GLABRATA TRIMORPHOSA	8			POOR	
5	HONEY LOCUST	GLABRATA TRIMORPHOSA	8			POOR	
6	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
7	HONEY LOCUST	GLABRATA TRIMORPHOSA	8			POOR	
8	HONEY LOCUST	GLABRATA TRIMORPHOSA	8			POOR	
9	ITALYAN STONE PINE	PHYLIPERIA	28			POOR	
10	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
11	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
12	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
13	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
14	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
15	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
16	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
17	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
18	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
19	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
20	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
21	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
22	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
23	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
24	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
25	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
26	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
27	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
28	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
29	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
30	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
31	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	
32	ITALYAN STONE PINE	PHYLIPERIA	18			POOR	

TREE TO BE PRESERVED

TREE NO.	COMMON NAME	BOTANICAL NAME	TRUNK DIAMETER (IN)	HEIGHT (FT)	CANOPY SPREAD (FT)	OVERALL CONDITION	MESSAGE
1	SPRING HART LAMP	EUCALYPTUS INONATA	48			GOOD	
2	SPRING HART LAMP	EUCALYPTUS INONATA	34			GOOD	
3	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
4	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
5	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
6	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
7	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
8	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
9	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
10	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
11	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
12	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
13	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
14	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
15	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
16	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
17	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
18	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
19	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
20	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
21	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
22	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
23	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
24	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
25	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
26	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
27	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
28	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
29	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
30	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
31	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	
32	SPRING HART LAMP	EUCALYPTUS INONATA	18			GOOD	

LEGEND:

- EXISTING TREE TO BE REMOVED
- PROTECTED STATUS TREE TO BE REMOVED
- PROTECTED STATUS TREE TO BE REPAIR
- TREE PROTECTIVE FENCING

NOTE:
 1. INFORMATION PROVIDED ON THIS PLAN IS BASED ON THE PRELIMINARY L.S. AND
 2. THE INFORMATION IS FOR INFORMATIONAL PURPOSES ONLY.
 3. CONTRACTORS SHALL COORDINATE REMOVAL OF TREES WITH LANDSCAPE
 ARCHITECT.
 4. CONTRACTORS SHALL CONTACT ARBORIST PRIOR TO REMOVAL OF TREES TO
 DETERMINE PROTECTIVE FENCING AND EXISTING TREES TO BE PRESERVED.
 5. PROTECTIVE FENCING SHALL BE INSTALLED AT THE TREE BASE AND EXTEND 4
 FEET FROM THE TREE TRUNK TO THE TREE BASE.
 6. ALL PROTECTIVE FENCING SHALL BE INSTALLED AT THE TREE BASE.

NOT FOR CONSTRUCTION

T-1

LRG INVESTORS, LLC
 CONCORD AVENUE RETAIL
 LRG131078

BAYSINGER PARTNERS ARCHITECTURE
 1005 SE Grand Ave., Suite 500, Portland, OR 97214
 Phone: 503.544.1100 Fax: 503.544.1481
 Email: baysinger@baysingerpartners.com

100 Concord Ave.
 Concord, CA 94520
 Phone: 415.472.5400 Fax: 415.472.3407

GATES ASSOCIATES

DATE: _____

DESIGNED / REVISED: _____

PRELIMINARY TREE INVENTORY PLAN

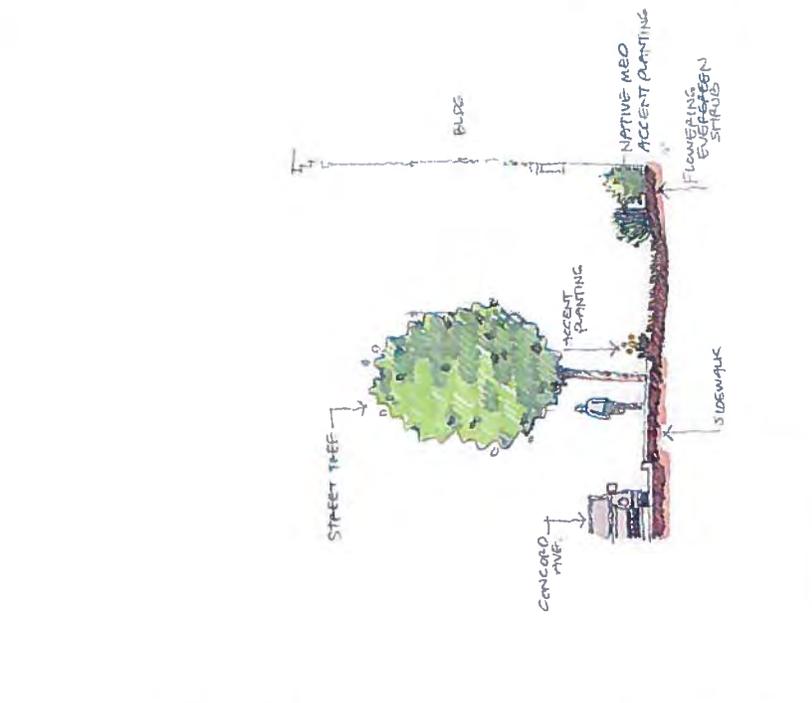
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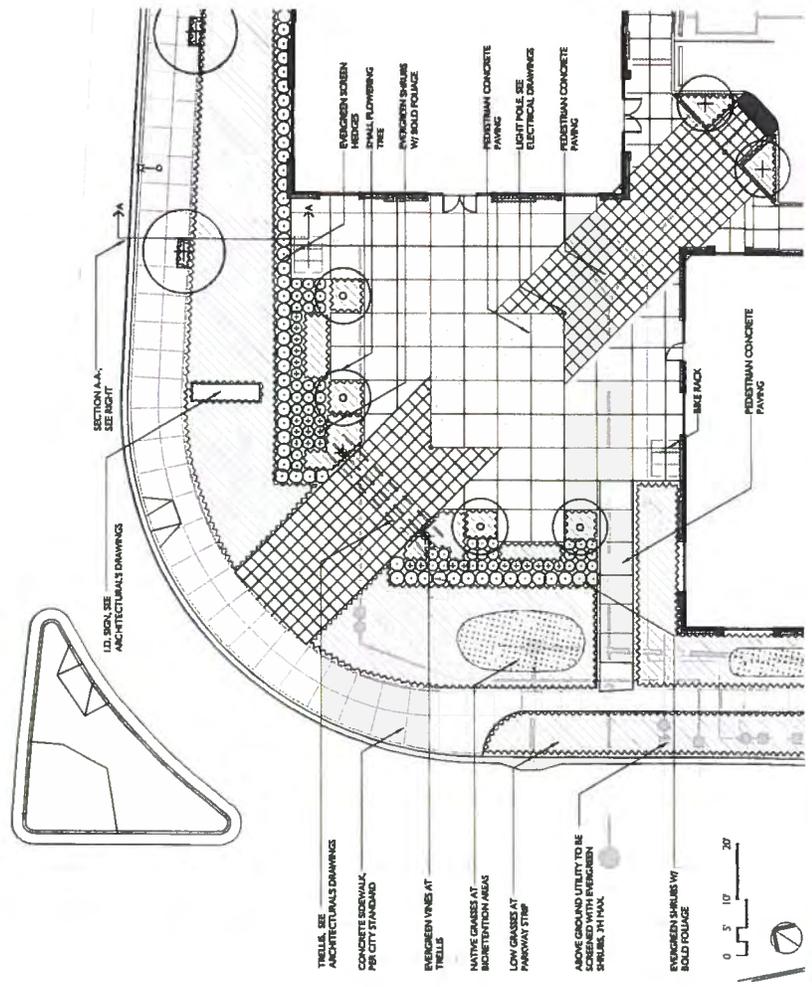
ISSUED / REVISED / DATE

ORIGINAL ISSUE DATE: 12/17/2014
 NUMBER AT CHECKOUT: 12
PRELIMINARY ENLARGED PLAN

L-2



SECTION A-A
 SCALE: 1/4" = 1'-0"



PRELIMINARY ENLARGED PLAN
 SCALE: 1/4" = 1'-0"

- TRELLIS, SEE ARCHITECTURALS DRAWINGS
- CONCRETE SIDEWALK PER CITY STANDARD
- EVERGREEN VINES AT TRELLIS
- NATIVE GRASSES AT BIKESTATION AREAS
- LOW GRASSES AT PARKWAY STRIP
- ABOVE GROUND UTILITY TO BE SCREENED WITH EVERGREEN STRIPES, 3H MAX.
- EVERGREEN SHRUBS W/ BOLD FOLIAGE
- EVERGREEN SCREEN
- SMALL PLANTING TREE
- EVERGREEN SHRUB W/ BOLD FOLIAGE
- PEDESTRIAN CONCRETE PAVING
- LIGHT POLE SEE ELECTRICAL DRAWINGS
- PEDESTRIAN CONCRETE PAVING
- BIKE RACK
- PEDESTRIAN CONCRETE PAVING



BIKE RACK
 WWW.MANVANG.COM
 MODEL: H1605-2-CP
 COLOR: PATRICIA BRONZE
 415-731-4428
 415-333-6428

NOT FOR CONSTRUCTION

TREES



CHITAUVA STRIDENTENSIS
PINK DAWN



BETULUX JAQUERONTII



LAGERSTROEMIA I. TUSCANORA



LIRIODENDRON TULIPIFERA



QUERCUS ROBUR FASTIGIATA

SHRUBS/ GROUNDCOVER/ VINES



DIETES VEGETA



HEBEROCALLIS



LANTANA M. SPREADING SUNSHINE



LAVATEA T. ROSEUS



PHORRHUM T. MAORI HADEN



PHORRHUM T. TOM THUMB



RHAMNUS C. EVE CASE



RHAPHIOLEPS INDICA JACK EVANS



ROSA M. CORAL



ROSA M. PINK



WESTRINGIA FRUITICOSA



CAREX TUMICOLA



CLALMAGROSTIS X A. NAAL FORBSTER



EQUISETUM SCIRPOIDES ENGERHOLMII



FESTUCA G. SISKIYOU BLUE



GERANIUM S. RUSSELL BRITCHARDT



JUNCUS PATENS



RELARGONIUM PELATUM



CLYTOSTOMA CALLISTEGOIDES



DISTICTIS BUCCONATORIA



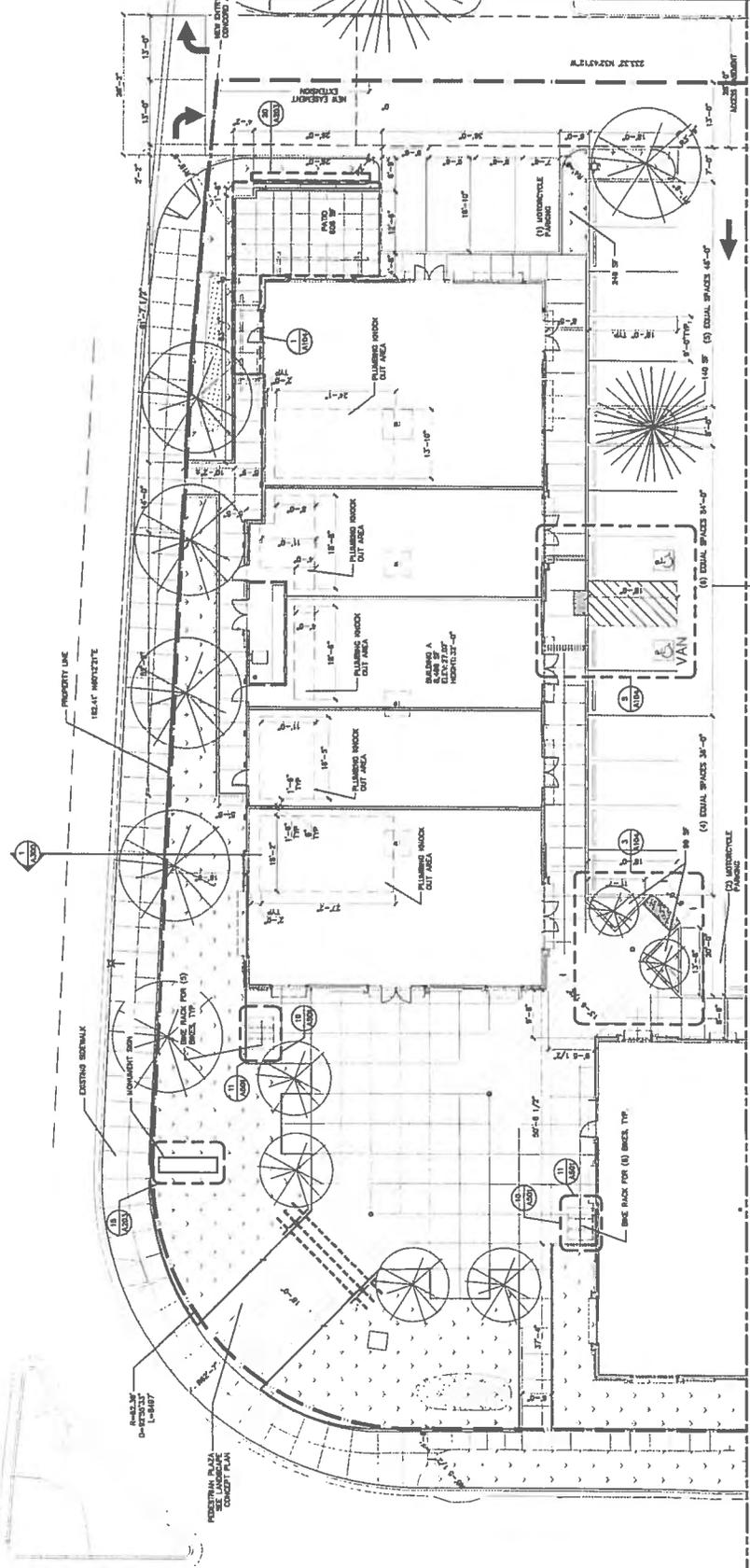
BAYSINGER PARTNERS ARCHITECTURE
 1005 SE Grand Ave., Suite 300 Portland, OR 97214
 Phone: 503.544.1498 Fax: 503.544.1491
 Email: @baysingerpartners.com

1100 CONCORD AVE, LLC
 CONCORD AVENUE RETAIL

1100 Concord Ave
 Grand, OR 97239
 Phone: 503.692.2400 Fax: 503.692.3400

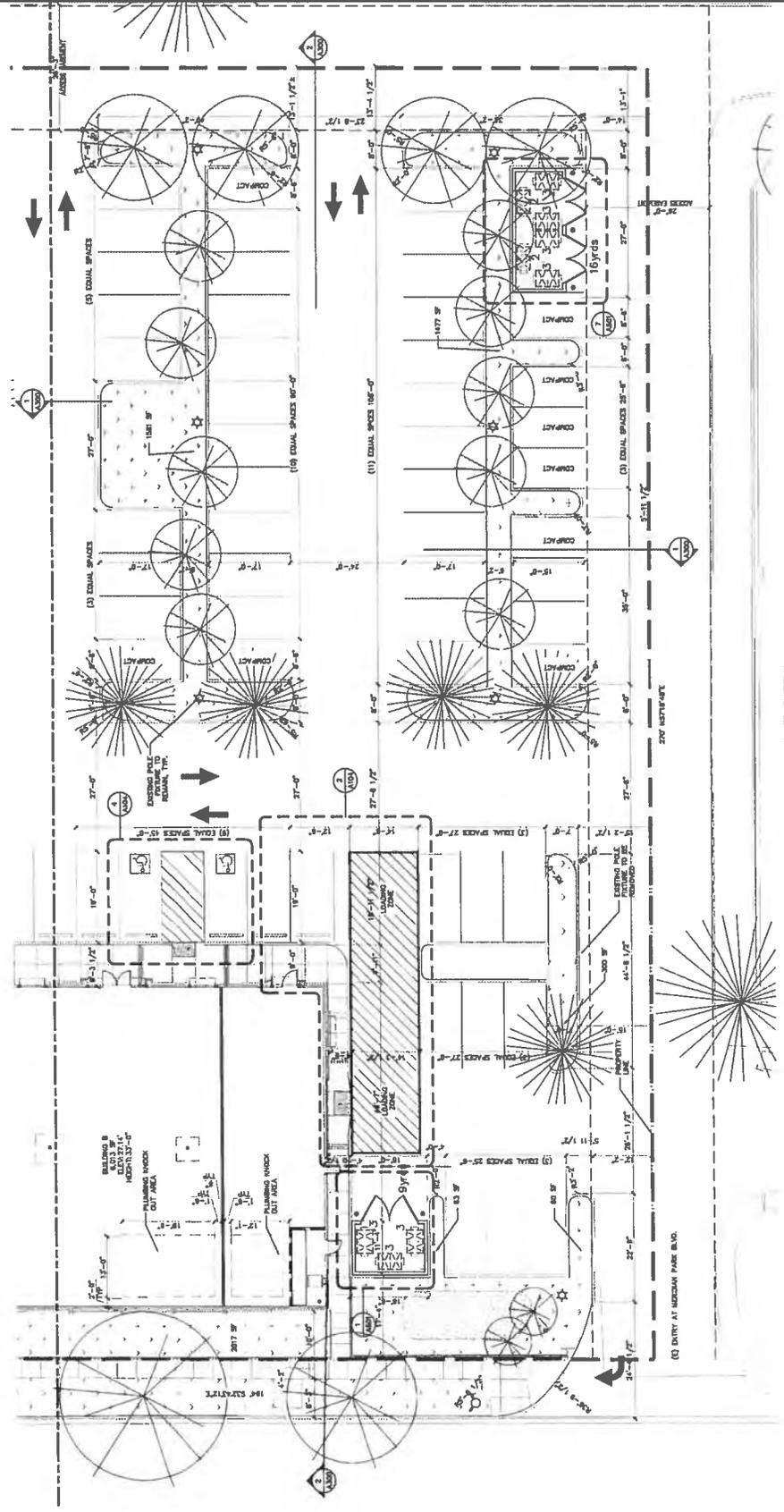
ISSUED / REVISED DATE
 11/17/2014

ORIGINAL ISSUE DATE 11/17/2014
 DRAWING SET CHECKED BY M.A.L.
ENLARGED PARTIAL SITE PLAN
A102
 DESIGN REVIEW



ENLARGED PARTIAL SITE PLAN
 11/17/2014
 M.A.L.





ENLARGED PARTIAL SITE PLAN
 1/16/14



NORTH

KEYED NOTES

1. FINISHES SHOWN ARE TO BE USED UNLESS OTHERWISE NOTED.
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20. FINISHES SHOWN ARE TO BE USED UNLESS OTHERWISE NOTED.

EXTERIOR COLORS

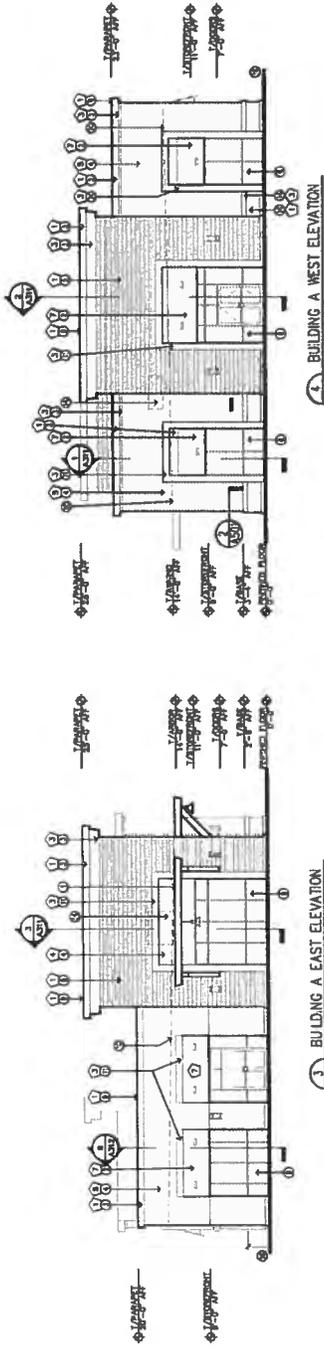
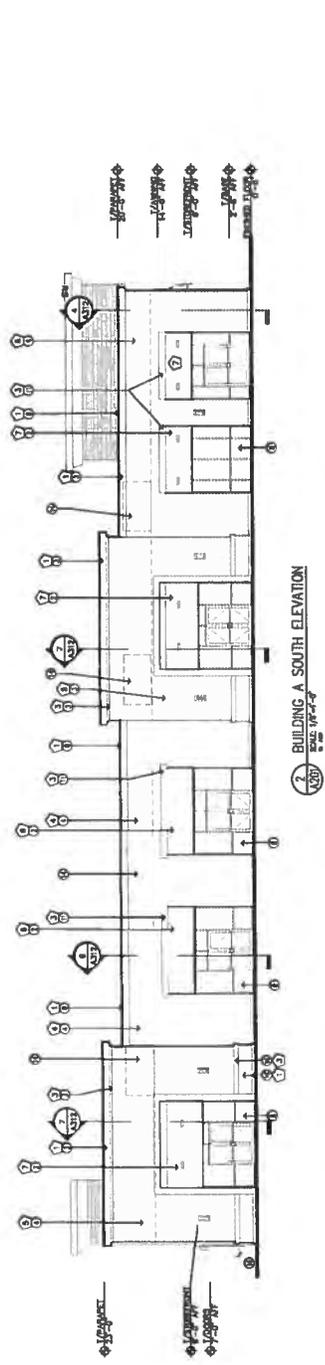
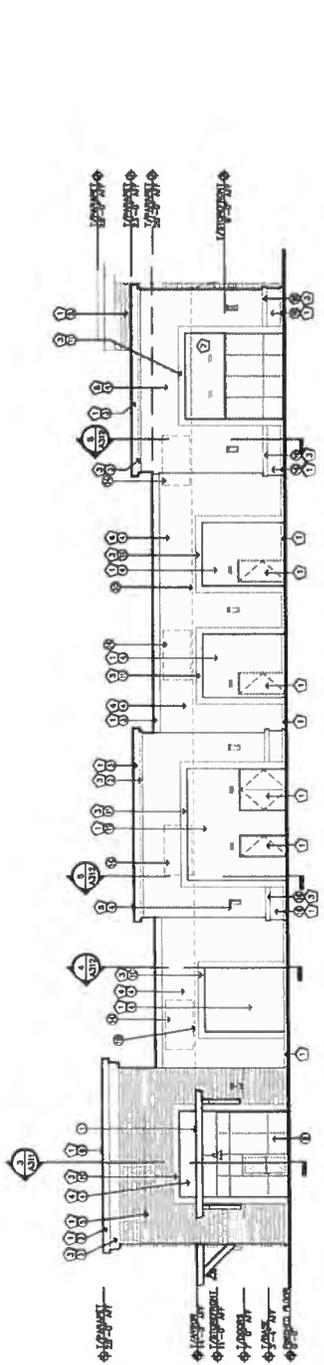
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3. EXTERIOR WALLS TO BE PAINTED WITH COLOR SWATCH #3
4. EXTERIOR WALLS TO BE PAINTED WITH COLOR SWATCH #4
5. EXTERIOR WALLS TO BE PAINTED WITH COLOR SWATCH #5
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7. EXTERIOR WALLS TO BE PAINTED WITH COLOR SWATCH #7
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9. EXTERIOR WALLS TO BE PAINTED WITH COLOR SWATCH #9
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17. EXTERIOR WALLS TO BE PAINTED WITH COLOR SWATCH #17
18. EXTERIOR WALLS TO BE PAINTED WITH COLOR SWATCH #18
19. EXTERIOR WALLS TO BE PAINTED WITH COLOR SWATCH #19
20. EXTERIOR WALLS TO BE PAINTED WITH COLOR SWATCH #20

AWNING COLORS

1. AWNING WALLS TO BE PAINTED WITH COLOR SWATCH #1
2. AWNING WALLS TO BE PAINTED WITH COLOR SWATCH #2
3. AWNING WALLS TO BE PAINTED WITH COLOR SWATCH #3
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19. AWNING WALLS TO BE PAINTED WITH COLOR SWATCH #19
20. AWNING WALLS TO BE PAINTED WITH COLOR SWATCH #20

GLAZING NOTES

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 1025 SE Grand Ave, Suite 400, Portland, OR 97114
 Phone: 503 542 1400 Fax: 503 542 1401
 Mgmt: @baysingerpartners.com

1100 CONCORD AVE, LLC
 CONCORD AVENUE RETAIL

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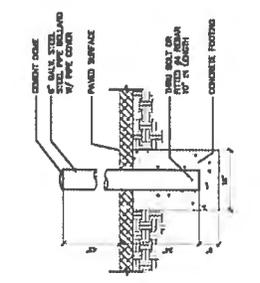
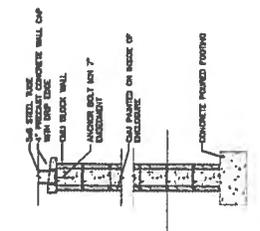
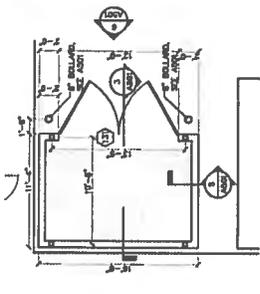
1100 Concord Ave
 Portland, OR 97233
 Phone: 503 692 3400 Fax: 503 692 3407

ISSUED / REVISED DATE
 NUMBER REVISIONS 1 11/17/2014

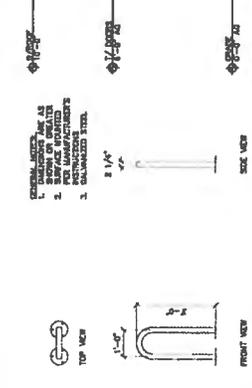
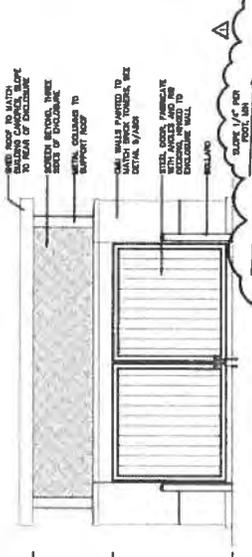
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 DRAWING DATE 11/17/2014
 DRAWING DATE CHECKED BY JAL

SECTIONS

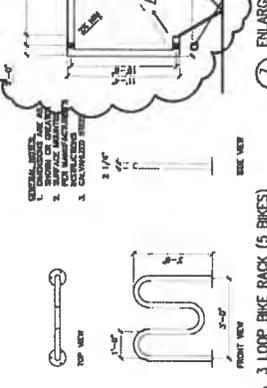
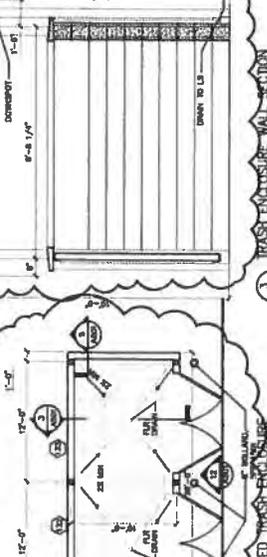
A501
 DESIGN REVIEW



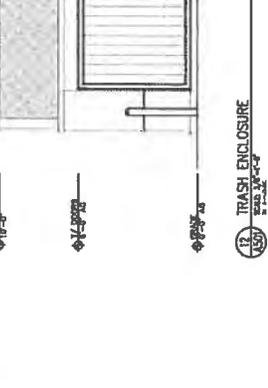
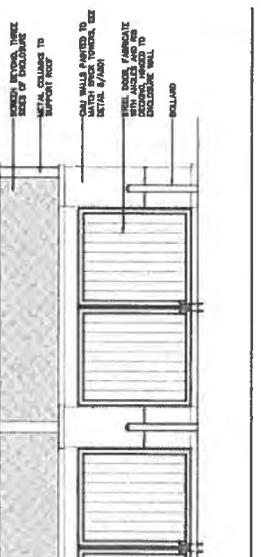
1. ENLARGED TRASH ENCLOSURE
 2. TRASH ENCLOSURE WALL
 3. BOLLARD DETAIL



4. TRASH ENCLOSURE
 5. TRASH ENCLOSURE WALL SECTION



6. ENLARGED TRASH ENCLOSURE
 7. ENLARGED TRASH ENCLOSURE WALL SECTION



8. TRASH ENCLOSURE
 9. TRASH ENCLOSURE

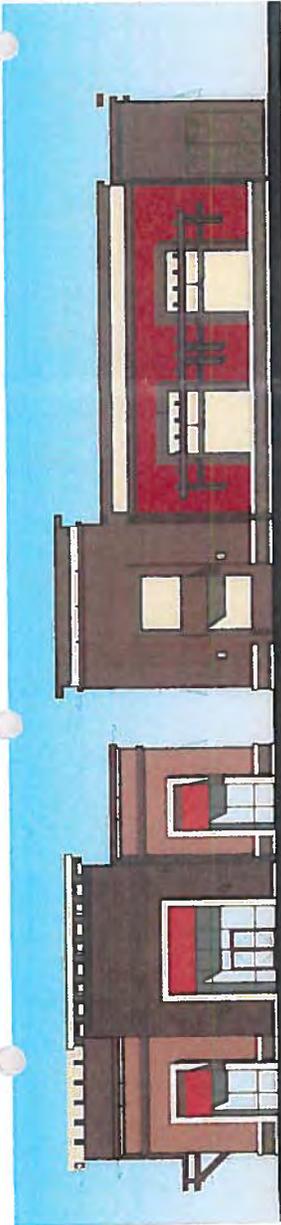
GENERAL NOTES:
 1. CONCRETE SHALL BE 4000 PSI
 2. REINFORCEMENT SHALL BE #4 BARS
 3. ALL REINFORCEMENT SHALL BE TIED TOGETHER

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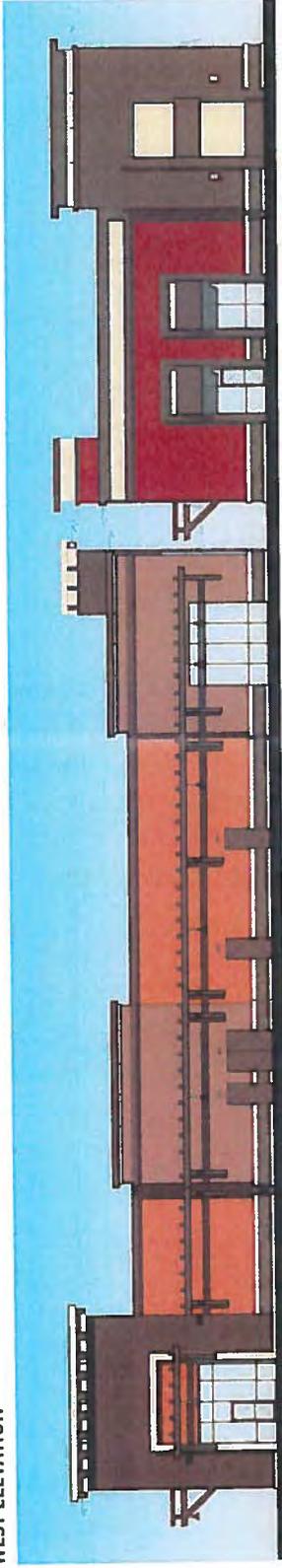
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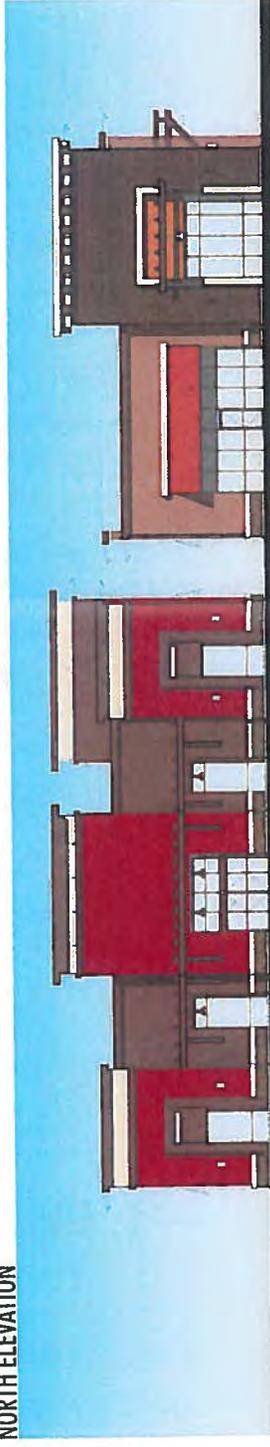
RECEIVED
 OCT 16 2014
 PLANNING



WEST ELEVATION



NORTH ELEVATION



EAST ELEVATION



SOUTH ELEVATION



ISSUED / REVISED DATE

SITE PLAN RECEIVED
 ORIGINAL EXIST. DATE: 08/15/14
 DRAWN BY: ECA CHECKED BY: MAA
 OCT 16 2014
A101 PLANNING
 BID REVIEW

SITE DATA

ZONING	MHA (MST) CONCORD INTER. USE
REPORT DATE	11/13/14
SITE AREA (ACR)	58,300 SF (1.34 ACRES)
FLOOR AREA BUILDING A	8,468 SF
FLOOR AREA BUILDING B	6,013 SF
FAR (FLOOR AREA RATIO)	14.45 / 58,300 = 0.251
LOT COVERAGE	14.45 / 38,300 = 3.8%
LOT OPEN AREA (MINIMUM)	19,900 SF
VEHICLE PARKING SPACES REQUIRED	1,224 SPACES
VEHICLE PARKING SPACES PROVIDED	1,224 SPACES
BIKE PARKING SPACES PROVIDED	6 SPACES
LONG TERM	29,143 SF
INTERIOR PARKING LANDSCAPE	2,763 SF
(11% OF PARKING AREA)	

PARKING NOTES

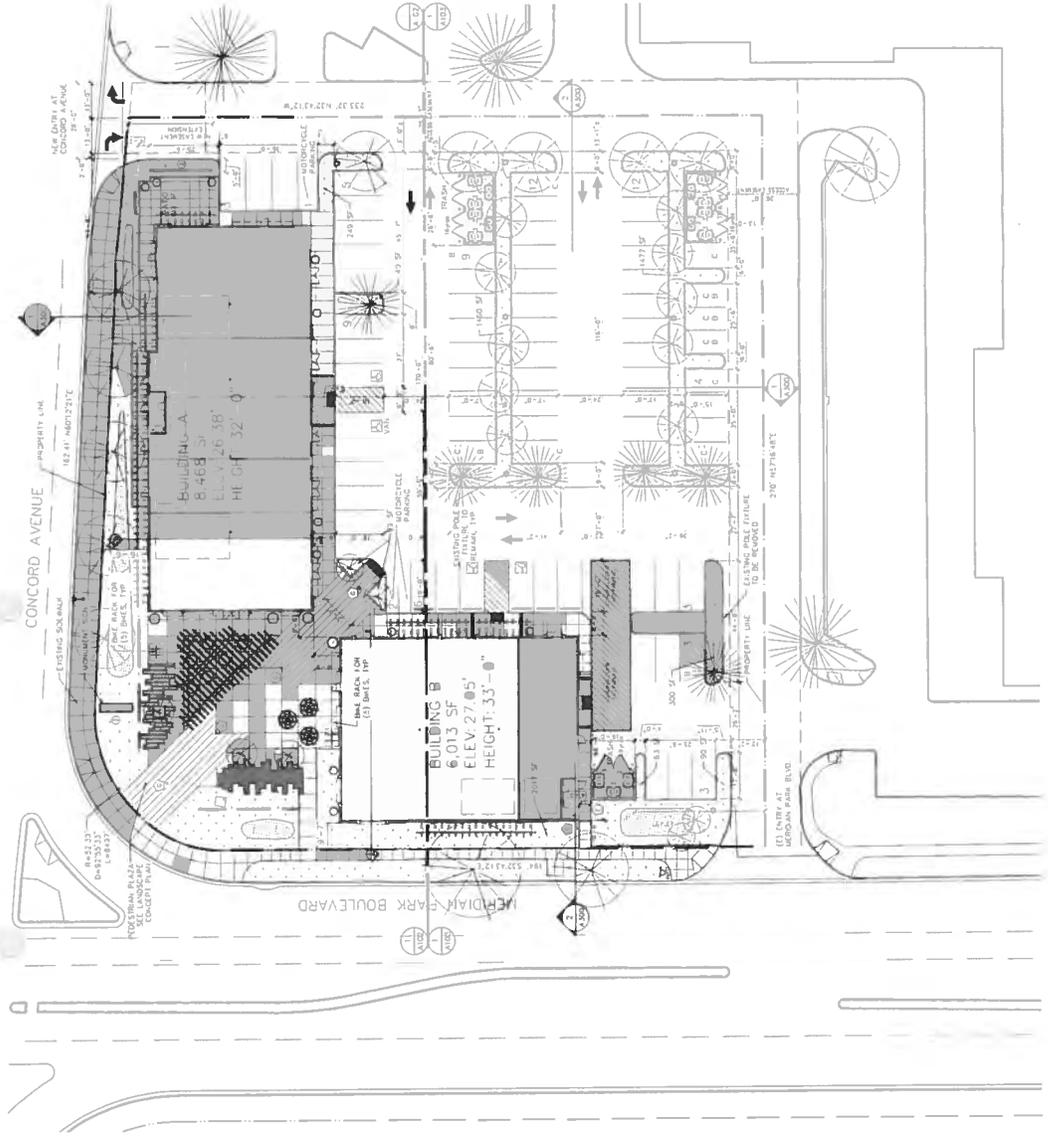
C	COMPACT SPACES
B	CLEAN ASPHALT/PAVEMENT SPACES
A	ASPH. SPACE
AS	ADA/ADA ACCESSIBLE SPACE
ASV	ADA/ADA ACCESSIBLE SPACE
LS	LOADING ZONE

RECEIVED
 OCT 16 2014
PLANNING



KEY NOTES

1	NOT USED
2	PROVIDE UNDERGROUND
3	UNDERGROUND LIGHTING
4	UNDERGROUND LIGHTING
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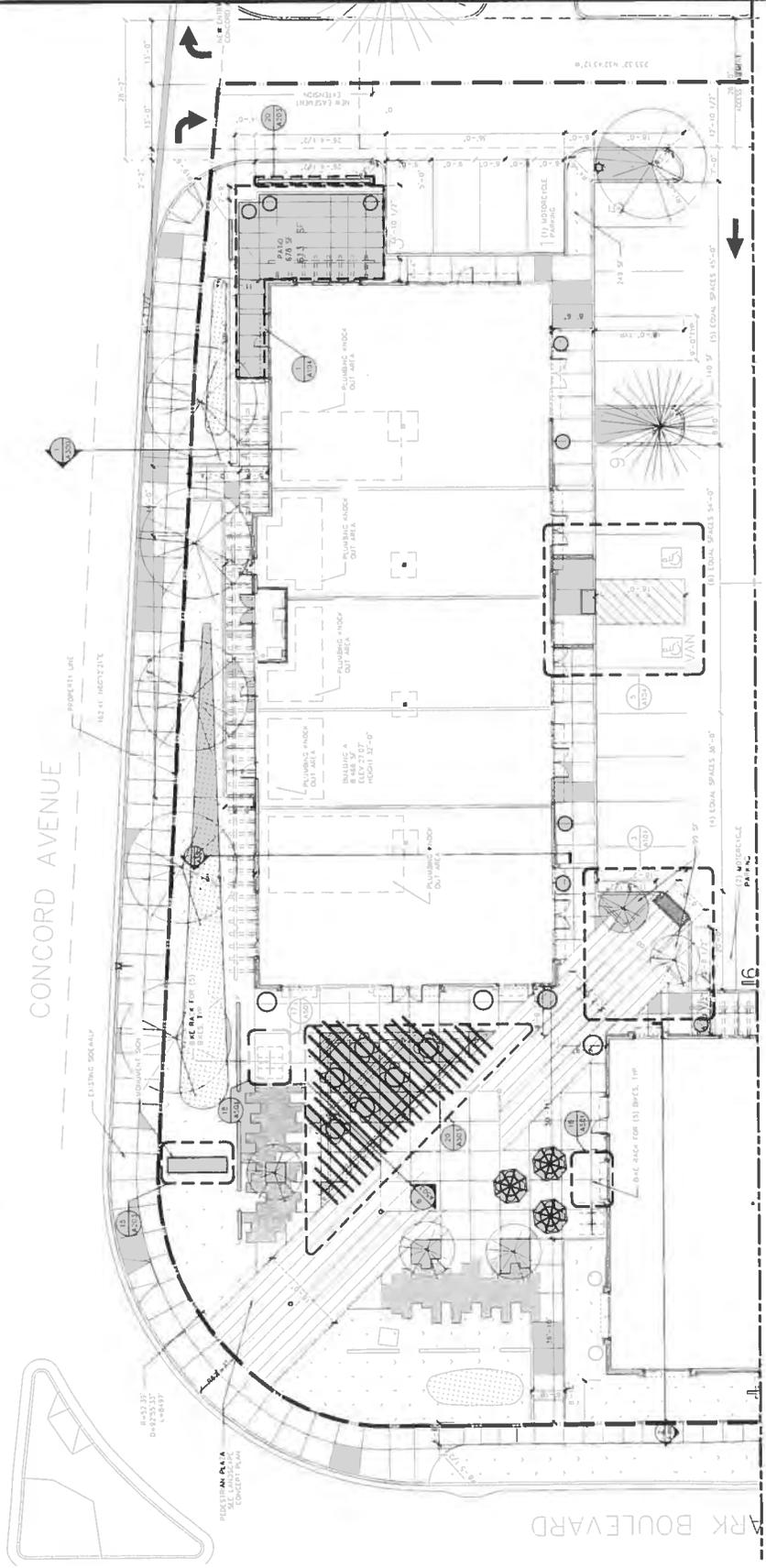
1. SITE PLAN
 SCALE: 1/8" = 1'-0"





DATE ISSUED / REVISED

ENLARGED PARTIAL SITE PLAN
 A102
 BID REVIEW



RECEIVED
 OCT 16 2014
 PLANNING



ENLARGED PARTIAL SITE PLAN
 1/8" = 1'-0"

REVISIONS

DATE

ISSUED / REVISED

DATE