



**CITY OF RACINE**

**APPLICATION FOR CONDITIONAL USE**

Department of City Development  
730 Washington Ave., Rm. 102  
Racine, WI 53403  
Phone: 262-636-9151  
Fax: 262-635-5347

**NOTE:** Incomplete or illegible submittals will not be scheduled for Plan Commission or Common Council Consideration.  
PLEASE CLEARLY PRINT ALL INFORMATION REQUESTED BELOW. IF NOT APPLICABLE, INDICATE WITH A "N/A" IN THE BLANK:

**APPLICANT NAME:** Julie Fratianna, V.P. National Church Residences  
**ADDRESS: STREET** 2245 North Bank Drive **CITY:** Columbus **STATE:** OH **ZIP:** 43220  
**EMAIL ADDRESS:** jfratianna@nationalchurchresidences.org  
**TELEPHONE:** (614) 451-2151 **CELL PHONE:** N/A **FAX:** (614) 451-0351

**AGENT NAME:** Anthony Paiano, Alliance Architects  
**ADDRESS: STREET** 929 Lincolnway East, Suite 200 **CITY:** South Bend **STATE:** IN **ZIP:** 46601  
**EMAIL ADDRESS:** apaiano@alliarch.com  
**TELEPHONE:** (574) 288-2052 **CELL PHONE:** N/A **FAX:** N/A

**ADDRESS OF PROPOSED CONDITIONAL USE:** 2250 Layard Avenue  
**CURRENT / MOST RECENT PROPERTY USE:** Multi-Family, Apartments for the Elderly  
**PROPOSED USE:** Multi-Family, Apartments for the Elderly  
**NUMBER OF LEGAL, ON-SITE PARKING SPACES:** 78 Existing; 78 Proposed  
**NUMBER OF DWELLING UNITS:** 78  
**SQUARE FEET OF BUILDING (PER FLOOR):** With proposed additions: Basement - 4,160 SF; 1st Floor - 19,300 SF; 2nd Floor - 18,350 SF; 3rd Floor - 17,570 SF  
**SQUARE FEET TO BE USED FOR CONDITIONAL USE (PER FLOOR):** Same as building square footage.

**NUMBER OF EMPLOYEES: FULL-TIME** 2 **PART -TIME:** 1  
**PROPOSED HOURS/DAYS OF OPERATION:** M-F 9AM - 5PM  
**ITEMS AVAILABLE TO CUSTOMERS BEYOND HOURS OF OPERATION (IE: ATM, VACUUM, FUEL PUMP, ETC.)** N/A

**PLEASE CHECK THE APPROPRIATE BOX REGARDING YOUR INTEREST IN THE PROPERTY:**  
OWNER  OPTION TO PURCHASE  LEASE  LAND CONTRACT  OTHER

NATIONAL CHURCH RESIDENCES OF RACINE, WI, INC.

**OWNER & APPLICANT AUTHORIZATION**

If you currently are not the owner of the property for which the Conditional Use is requested, the owner/s must also sign this form, or provide a separate written, dated, and signed statement that authorizes the applicant to process the request.

**Applicant: Date:** 2-5-18 **Signature:** [Signature] **Print Name:** Julia Fratianna  
**Property Owner's Consent: Date:** N/A **Signature:** N/A **Print Name:** N/A

**\*\*Please submit this application and submittal requirements together with a non-refundable fee of \$695.00. If request is submitted with a rezoning request, the combined non-refundable fee is \$1,120.00.**

(Go to Page 2 for Submittal Requirements)...

February 8, 2018

Mr. Matthew G. Sadowski  
Assistant Director/Principal Planner  
City of Racine, Department of City Development, Division of Planning and Redevelopment  
730 Washington Avenue (Room 102), Racine, WI 53403

**RE: Mount Pleasant Manor – Conditional Use Application**  
2250 Layard Avenue  
Racine, Wisconsin

Mr. Sadowski,

As requested, please see the description below of the proposed construction project at Mount Pleasant Manor. The goal of the project is to provide and improve the quality of affordable housing for senior residents of Racine. Generally, the proposed project is a comprehensive modernization of the existing facility with a construction budget of approximately \$4.5 million. The project also includes a green building initiative as described below.

**Development Summary:**

Mount Pleasant Manor is a 78-unit senior independent affordable apartment building owned and operated by National Church Residences based in Columbus, Ohio. It is a single building, with an elevator serving 3 stories. All units are 1 bedrooms. In addition, there is a management and service coordinator office on-site, community room and common laundry facilities. There is 1 parking space for each unit.

**Project Summary:**

**Site Improvements:** Including application of an asphalt parking lot sealcoat and striping, replace site lighting with LED fixtures, replace perimeter site fencing, replace shade structure, install raised garden beds, replace damaged and install new concrete walks, and landscaping improvements. Also, construction of two (2) new dumpster enclosures at the NW and NE corners of the parking lot.

**Exterior Improvements:** Including replacement of shingle roofing, metal copings, gutters, downspouts and fascia. Replacement of exterior doors and frames; facade repairs including masonry tuckpointing, masonry coatings, window replacement, and replacement of building-mounted exterior lighting.

2245 North Bank Drive Columbus, Ohio 43220 Phone: 800.388.2151 Fax: 614.451.0351 [www.nationalchurchresidences.org](http://www.nationalchurchresidences.org)



National Church Residences does not discriminate in any fashion based upon a person's race, color, sex, national origin, handicap status, religion, marital or familial status, source of income, sexual orientation, gender identity or disability.  
National Church Residences does not discriminate based upon age for any reason, excluding HUD program/project requirements.



**Building Addition:** Construct approximately 715 SF in single story additions to the existing Community Room and entry vestibule at the north side of the building. The exterior materials shall compliment the existing structure, including a new exterior concrete masonry veneer. Community room shall receive new flooring, kitchenette cabinets and appliances.

**Interior Common Area Improvements:** Reconfiguration of the ground floor property management office, service coordinator office, and ADA compliant public toilet rooms. Common area renovations including replacement of finishes, reconfiguration of common areas, lighting replacement, mechanical and HVAC upgrades, plumbing fixture replacement, fire sprinkler renovations, fire alarm improvements. Installation new elevator, electrical service upgrades, and

**Interior Apartment Renovations:** Renovation of six (6) dwelling units to accommodate handicap accessible impairments, renovation of ten (10) units including Universal Design upgrades, renovation of two (2) units to accommodate sensory impairments. All seventy-eight (78) dwelling units planned to receive new flooring, kitchen cabinet replacement, light fixture replacement, toilet and vanity replacement.

**Sustainable Design:** The project is designed to achieve certification in the Wisconsin Green Built Home program.

As you can see, we plan to upgrade the facility substantially to meet our goal to provide quality, affordable senior housing. If additional information is required please let us know.



February 20, 2018

Mr. Matthew G. Sadowski  
Assistant Director/Principal Planner  
City of Racine, Department of City Development, Division of Planning and Redevelopment  
730 Washington Avenue (Room 102), Racine, WI 53403

**RE: Mount Pleasant Manor – Conditional Use Application**  
2250 Layard Avenue  
Racine, Wisconsin

Mr. Sadowski,

I am writing in response to the proposed revisions and requested clarifications related to the Conditional Use Application for Mount Pleasant Manor. The requested revisions and clarifications were presented by Mr. Jeff Hintz during our February 16, 2018 teleconference. Please accept the following items as confirmation of our intent to satisfy the requirements of the City of Racine.

**Clarifications:**

Please see attached fence product data for the proposed composite fence and decorative aluminum fence indicated in Drawing Sheet C1.0.

Composite Fence: Trex – Seclusions, or similar. 6’-0” high privacy fence, color to be selected.

Decorative Aluminum Fence: Ameristar Echelon Plus, Majestic 3-rail fence or similar. 4’-0” height.

**Landscape Plant List**

We understand that the following plants identified on the submitted plant list are not considered invasive per the Wisconsin DNR plant listing, however, some are identified as “cautious”. Therefore, we propose the following revisions to the Plant List identified on Drawing Sheet L1.0:

- Substitute Norway Maple with Acer miyabei 'Morton' - State Street Maple.
- Substitute Colorado Spruce with Picea abies - Norway Spruce

**Landscape Plant List cont'd**

- Delete Purple Leaf Wintercreeper from the Landscape Plan. Changes will be:
  1. Parking lot islands will become lawn with ornamental grass bed.
  2. Planting beds in south island will be bark mulch with scattered hosta and black-eyed susans.
- We prefer to keep Bodacious Gold Daylily in the Landscape Plan. This is a newer species of daylily and not invasive as the common orange daylily. If necessary, we could substitute with Heuchera americana 'Plum Pudding' - Plum Pudding Coral Bells.

**Site Lighting**

We understand further clarification is desired concerning lighting levels and their effect on neighboring properties. To clarify the site lighting design, we have updated and attached the Site Utility Plan on Drawing Sheet C4.0 indicating lighting levels and patterns for site fixtures. As you can see, the new light fixtures cause little light spillage to the adjacent properties. Additionally, we have revised three (3) Type 'K' Fixtures located along the south property line to include a lighting distribution pattern which minimizes light from spilling onto the public right of way.

We hope the attached information satisfies any concerns you may have with the application. If additional information is required, please let us know.

Respectfully Submitted,  
ALLIANCE ARCHITECTS



Anthony Paiano  
Principal

Cc: Mr. Jeff Hintz, City of Racine  
Mr. Gregg Gaber, National Church Residences  
File

The Trex logo is displayed in a white rectangular box in the top left corner. The word "Trex" is written in a bold, blue, sans-serif font, with a registered trademark symbol (®) to the upper right of the "x".

Trex®

The background of the advertisement is a low-angle photograph of a wooden fence. The fence is made of vertical wooden planks and a horizontal top rail, all in a warm, golden-brown hue. The perspective is from below, looking up at the fence, which creates a sense of height and structure. In the upper right corner, there are branches of a tree with small, bright red berries against a clear, bright blue sky.

# TREX® FENCING

FORM + FUNCTION = FABULOUS TREX FENCING



**Trex**Seclusions®  
MILES OF STYLE

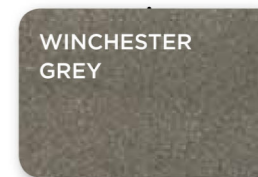
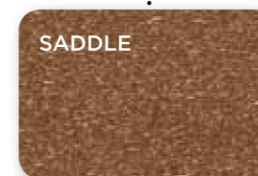
fencing: Trex Seclusions® in Saddle

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- » Proprietary bracket design allows for easy racking on slopes
- » Fewer fasteners means faster installation
- » Installs with posts on 8' centers to save time, labor and materials
- » Performs to Miami/Dade wind load certification of 110 mph steady winds and 130 mph wind gusts
- » Rich color palette with matte finish



**ALWAYS GREEN:** Trex buys recycled wood by the truckload and reformulates it (along with plastic bags, stretch film and agricultural film) into the long-lasting fencing, decking and railing. Plus, buying materials in bulk also saves fuel, shipping materials and other natural resources.

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- ▶ ***Childcare Facilities***
- ▶ ***Coastal Environments***
- ▶ ***Parks & Recreation***
- ▶ ***Schools***



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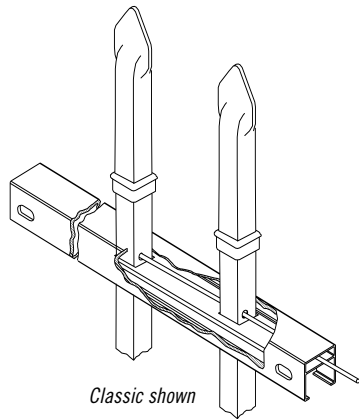
**ASSA ABLOY**



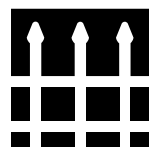
# Echelon Plus<sup>®</sup>

## ORNAMENTAL ALUMINIUM FENCE

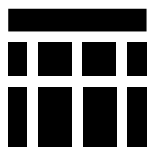
.75"sq x .045" wall PICKETS | 1.4375" x 1.25" x (.090" side / .060" top) ForeRunner™ RAILS  
2.5"sq x .060" POSTS w/reinforced internal web



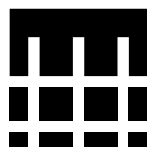
### STYLE OPTIONS



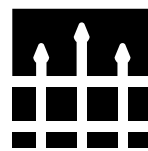
**CLASSIC™**



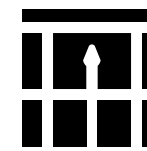
**MAJESTIC™**



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### FABRICATION & DESIGN

Ameristar crafted the ForeRunner rail to increase strength through architecture. The innovative design of the ForeRunner rail contains an internally secured rod that allows for variable pitch connection, high angle biasability and is easy to install. Internal security eliminates the need for visually unappealing external fasteners.



### POWDERED COATED SUPERIOR FINISH

Echelon features a state of the art polyester powder coating system that provides a durable and scratch resistant finish. This eco-friendly process provides years of long-lasting durability and maintenance-free ownership.



### LIFETIME LIMITED WARRANTY

The Echelon families of aluminum fencing products are manufactured from superior quality materials by skilled craftsmen with the highest standards of workmanship in the industry. Ameristar is confident in offering Echelon with a limited lifetime warranty, backed by over 30 years of demonstrated excellence in manufacturing of ornamental fence.



### DOMESTIC MANUFACTURING

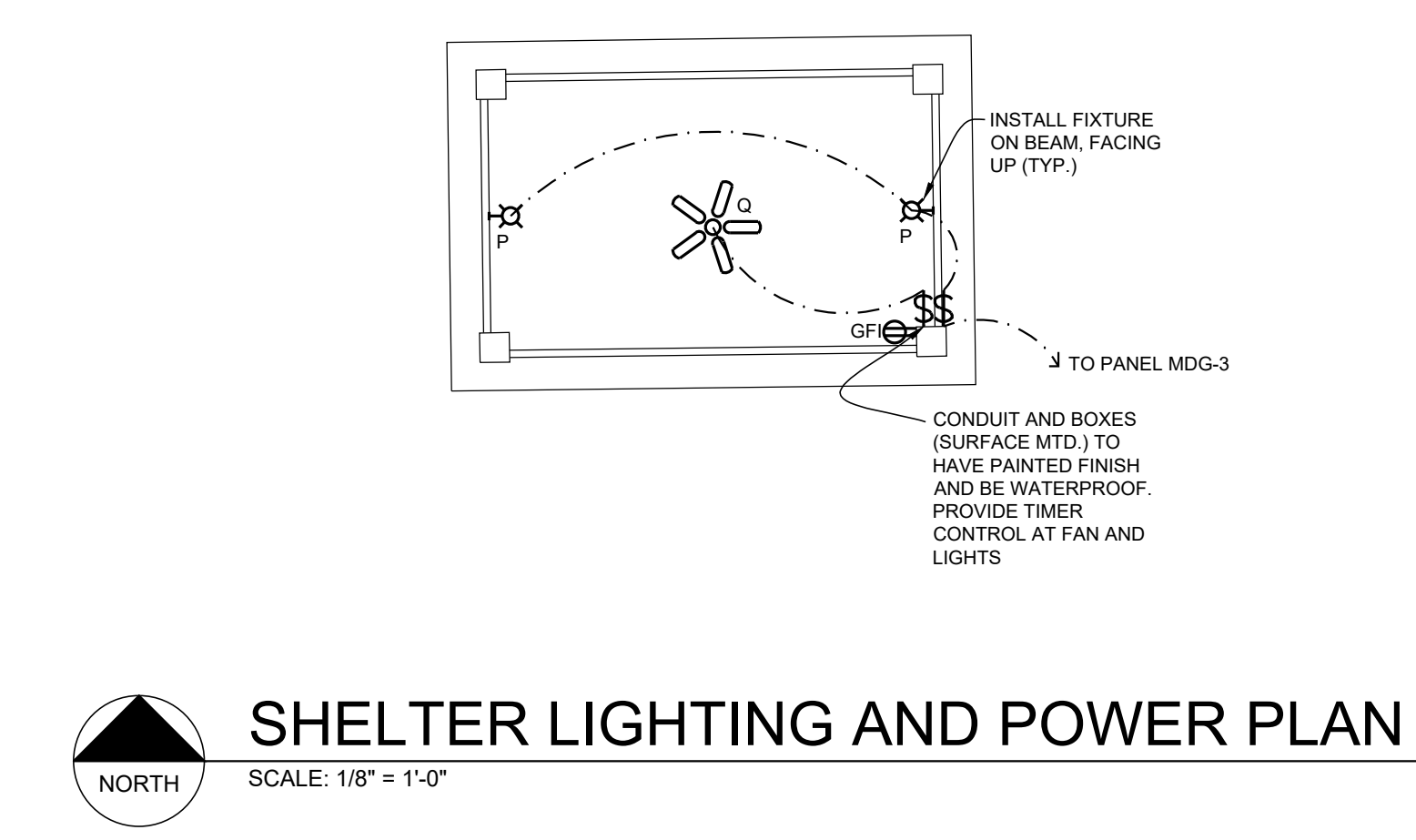
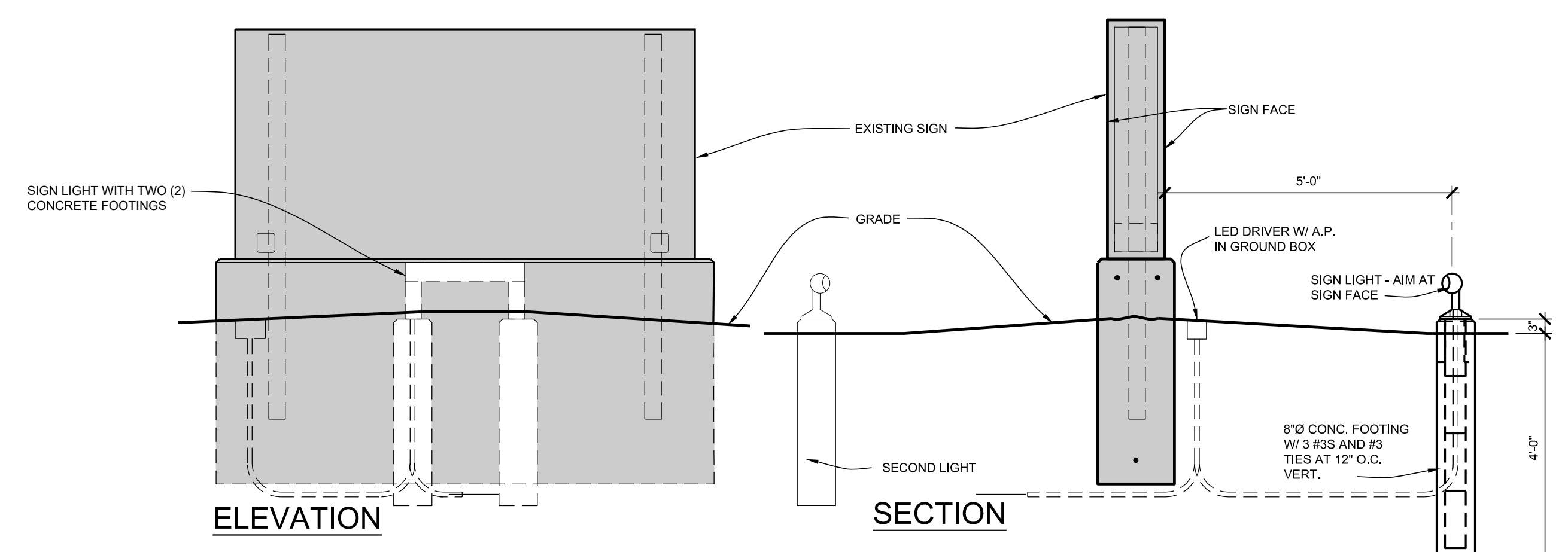
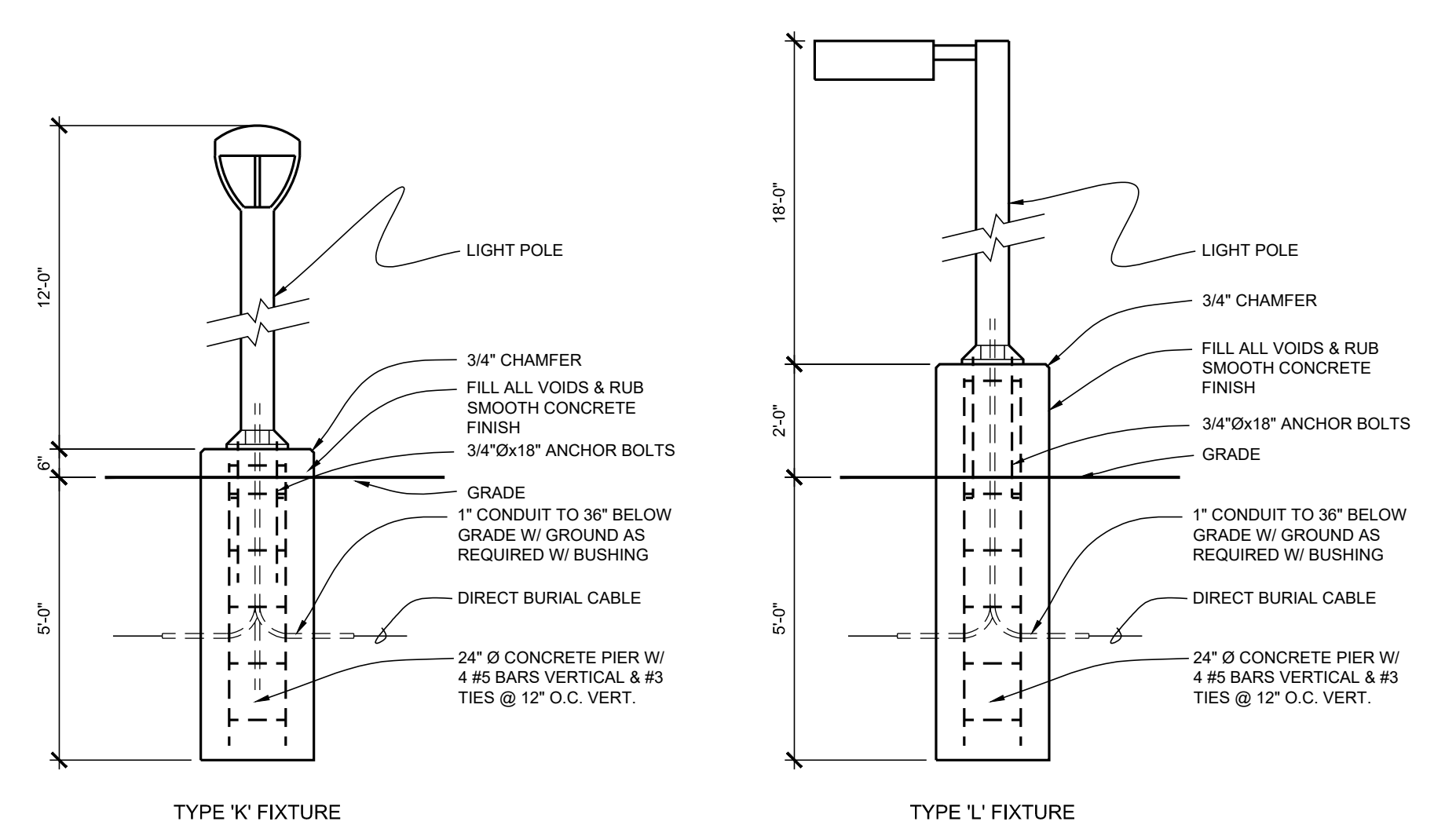
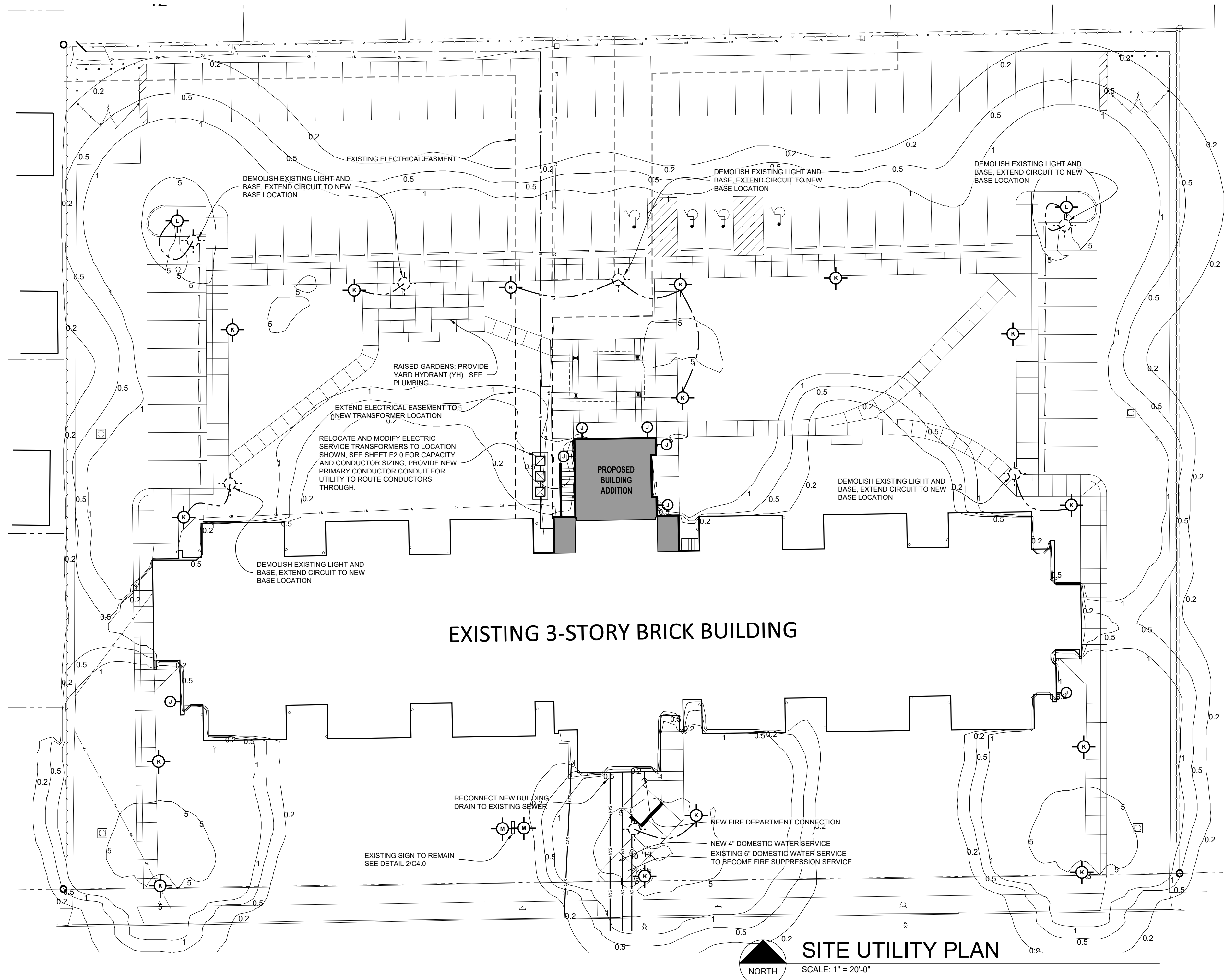
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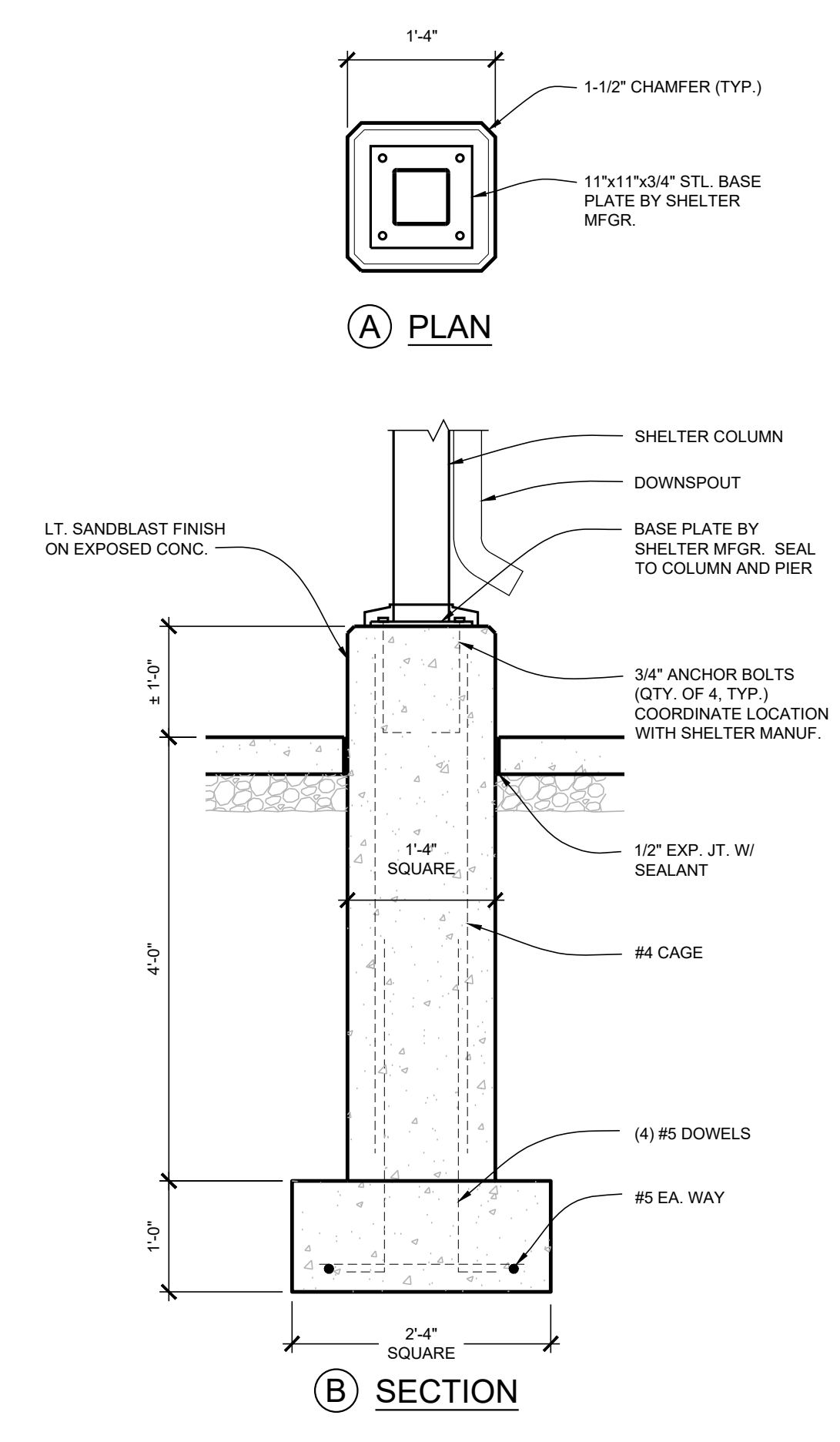
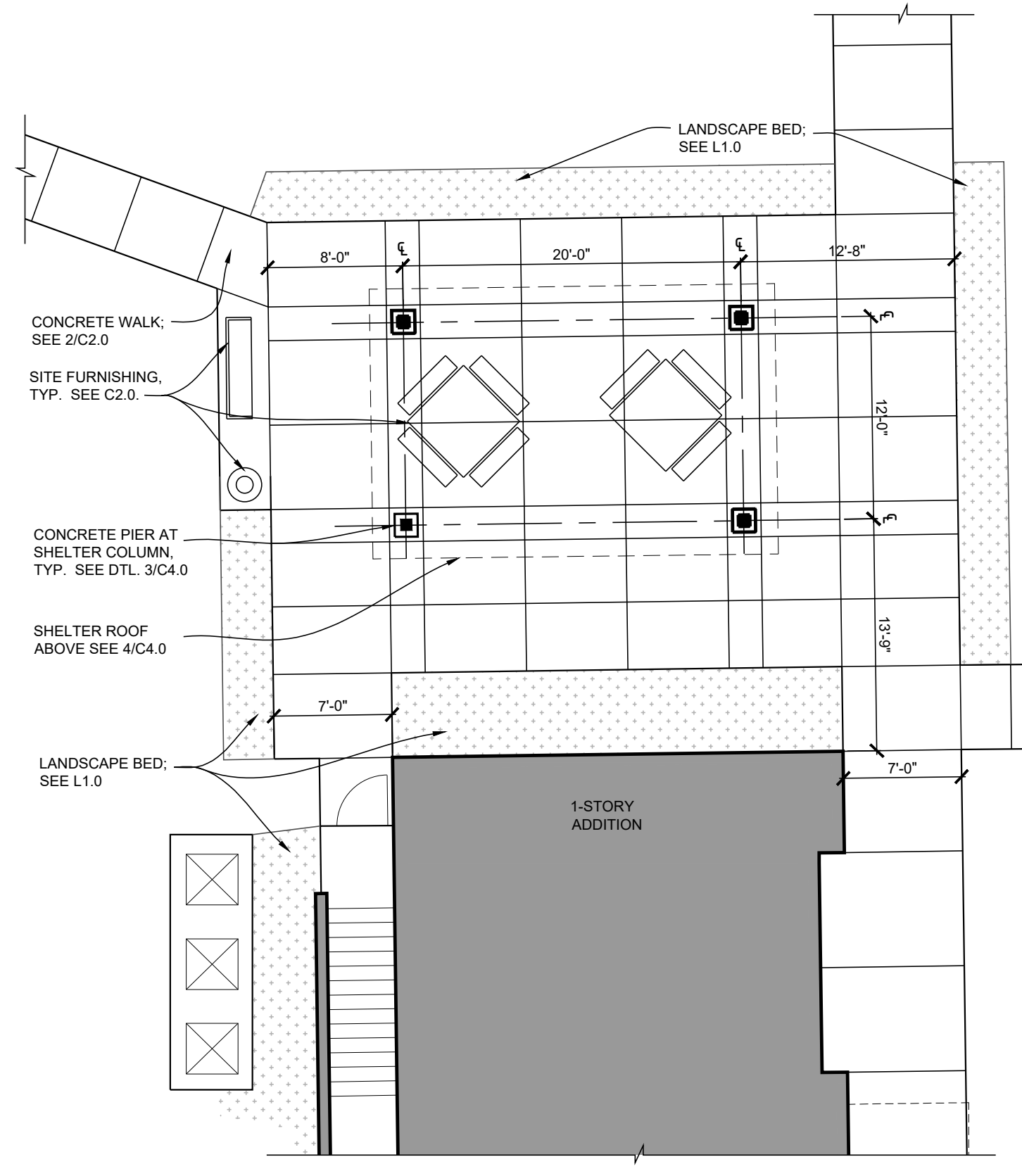
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EXTERIOR LIGHT FIXTURE SCHEDULE								
MARK	MAKE	MODEL	DESCRIPTION	VOLTAGE	POWER	OUTPUT	MOUNTING HEIGHT	NOTES
--- INTERIOR LIGHTS SHOWN ON SHEET E3.0 ---								
A-1								
J	VISA	OW1303 L40K-H MVOLT BMAT	WALL LIGHT	120V 1φ	19W	1,700LM	6'-0" TO TOP OF FIXTURE A.F.F.	AT EXISTING BUILDING, MOUNT ON NEW SURFACE MOUNTED WALL BOX. WALL BOX SHALL MATCH EXISTING FIXTURE SIZE AND COLOR. MAINTAIN WEATHER TIGHT SEAL. AT ADDITION, SURFACE MOUNT.
K	LITHONIA	MRP LED 42C 700 40K SR5 MVOLT PER DDBXD	AREA LIGHT	120V 1φ	100W	8,456LM	12'	EXCEPT WHERE NOTED, DEMOLISH EXISTING BASE AND INSTALL NEW. REUSE EXISTING CONDUCTORS. SEE DETAIL 1/C4.0.
K1		MRP LED 42C 700 40K SR3 MVOLT PER DDBXD						
L	LITHONIA	DSX0 LED P3 40K VLS MVOLT RPA PIRH1FC3V	AREA LIGHT	120V 1φ	116W	11,630LM	18'	SEE DETAIL 1/C4.0.
M	HYDREL	RHY2 BPCB WHT41K MVOLT MFL SASM EARM6 HVSRL CSL8 LDIM FLA RDA	FLOOD LIGHT	120V 1φ	28.5W	1,214LM	FLUSH	ADJUST AIM TO HIT SIGN FACE CONNECT TO LIGHTING CONTROL PANEL - 1 60W POWER SUPPLY IN NEMA 3 ENCLOSURE PER 2 FIXTURES.
P	WINONA LIGHTING	POLED LED 16 3026 120 LI WHT C1 NF23 SAO C1 STD	STRUCTURE MOUNTED LIGHT	120V 1φ	6W	--	SEE PLAN	
Q	MODERN FAN COMPANY	CLD-TN-S2 WH ES U04- USE 18" DOWN ROD		120V 1φ	28W	--	CEILING	

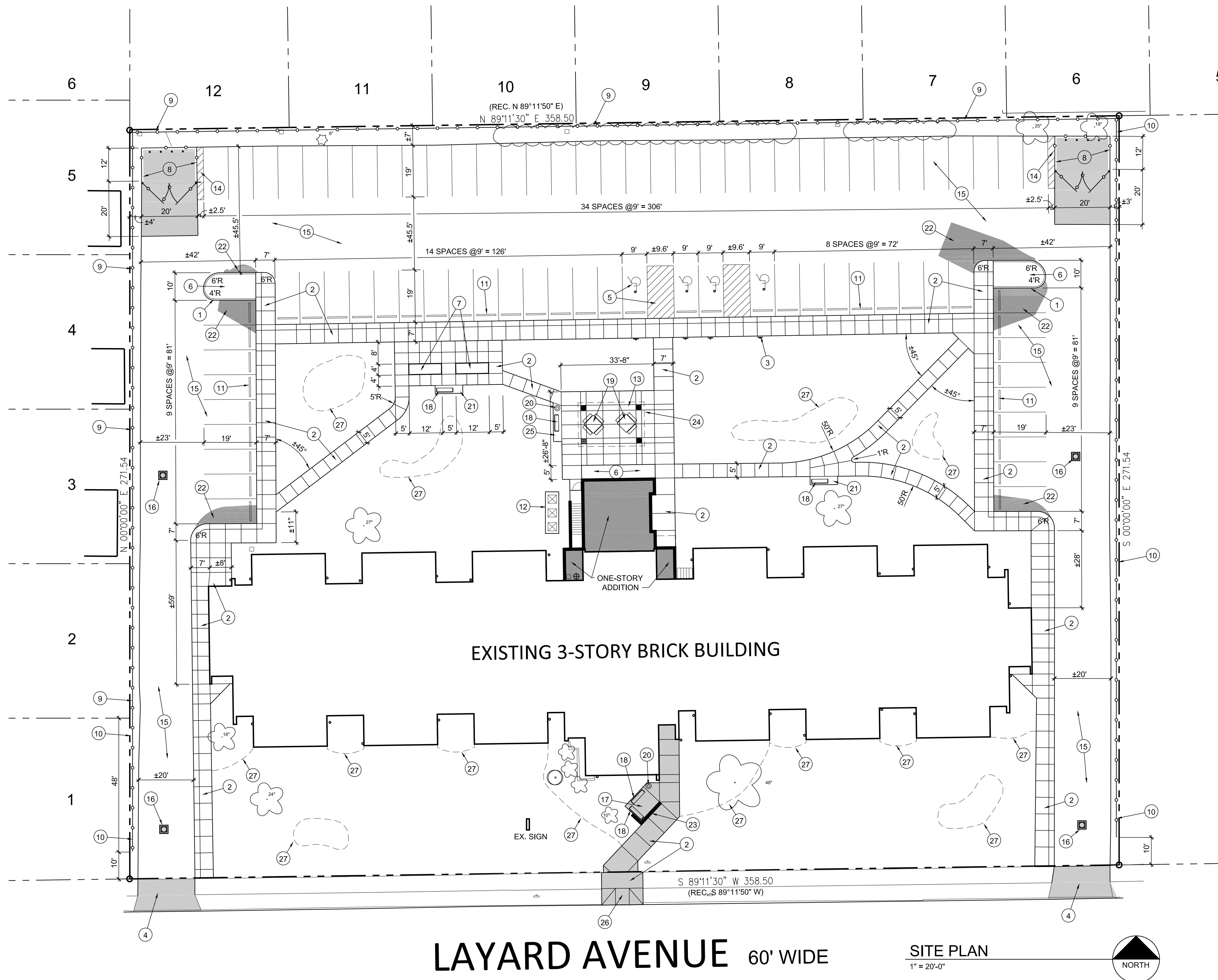


**LIGHTING NOTES**  
1. REPAIR ALL FINISHES DAMAGED DURING REMOVAL OF EXISTING FIXTURES OR DEVICES AND/OR INSTALLATION OF NEW FIXTURE.

**SHELTER FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"  
SEE SITE PLAN FOR ADDITIONAL INFORMATION

**COLUMN FOUNDATION**  
SCALE: 3/4" = 1'-0"

**SHELTER IMAGE**  
SEE SPEC. SECTION 10 73 00  
(IMAGE SHOWN SIMILAR TO PROPOSED PAVILION)



**PAVEMENT RESTORATION (BASE BID)**  
 PERFORM CRACK REPAIR AND SEALCOAT ENTIRE PARKING AREA AND DRIVES.

PAVEMENT INFILL AREAS SHALL BE CONSTRUCTED WITH:  
 4" HOT MIX ASPHALT - LT, WISDOT SECTION 460  
 10" BASE COURSE, 1-1/4" CRUSHED STONE, WISDOT 305

REFER TO SPECIFICATIONS SECTION 31-20-00 FOR AGGREGATE SUBBASE MATERIAL AND COMPACTION REQUIREMENTS.

REFER TO SPECIFICATIONS SECTION 32-12-16 FOR ASPHALT PAVING WORK

**PAVEMENT RENOVATION (ALTERNATE)**  
 INFILL AREAS FOR PARKING AREAS AND DRIVES SHALL BE CONSTRUCTED WITH:  
 4" HOT MIX ASPHALT - LT, WISDOT SECTION 460  
 10" BASE COURSE, 1-1/4" CRUSHED STONE, WISDOT 305

ENTIRE EXISTING ASPHALT PAVEMENT AREA SHALL BE MILLED 1-1/2" DEPTH AND RESURFACED WITH:  
 1-1/2" HOT MIX ASPHALT - LT, WISDOT SECTION 460

REFER TO SPECIFICATIONS SECTION 31-20-00 FOR AGGREGATE SUBBASE MATERIAL AND COMPACTION REQUIREMENTS.

REFER TO SPECIFICATIONS SECTION 32-12-16 FOR ASPHALT PAVING WORK

**PAVEMENT REPLACEMENT (ALTERNATE)**  
 REMOVE EXISTING ASPHALT PAVEMENT AND AGGREGATE BASE, EXCAVATE 14" DEPTH BELOW EXISTING GRADE. FINISH GRADE OF NEW PAVEMENT SHALL BE THE SAME AS EXISTING PAVEMENT. NEW PAVEMENT TO BE FLUSH WITH ADJACENT WALKS.

REMOVE EXISTING PERIMETER CURB AND REPLACE WITH NEW CONCRETE STRAIGHT CURB. SEE DETAIL 1, C2.0

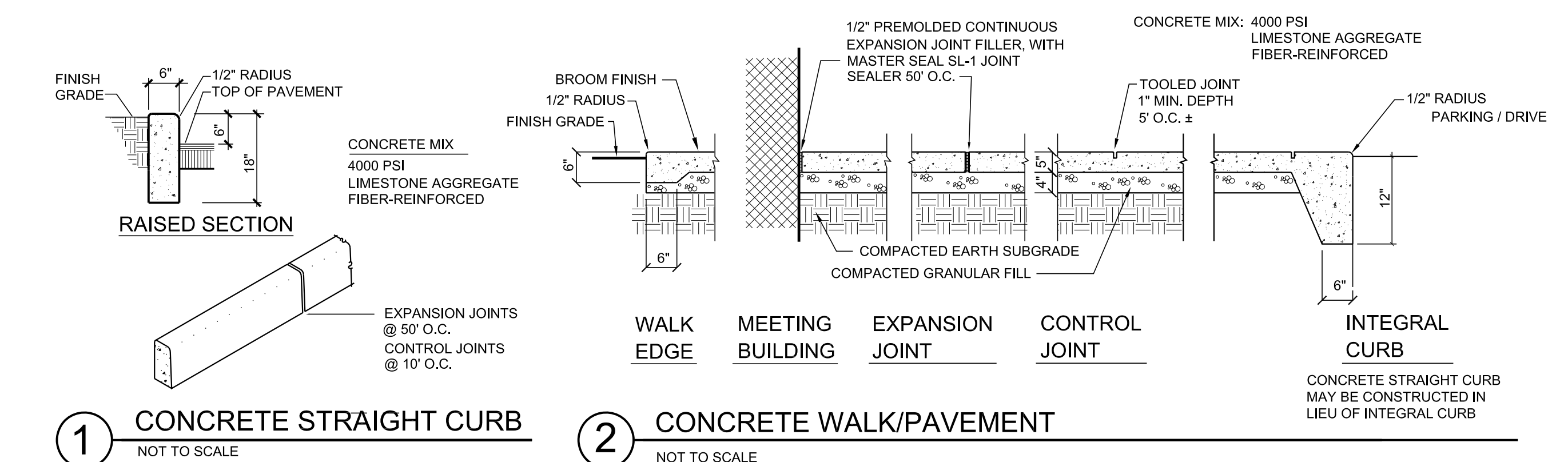
PARKING AREAS AND DRIVES SHALL BE CONSTRUCTED WITH:  
 4" HOT MIX ASPHALT - LT, WISDOT SECTION 460  
 10" BASE COURSE, 1-1/4" CRUSHED STONE, WISDOT 305  
 COMPACTED SUBGRADE

REFER TO SPECIFICATIONS SECTION 31-20-00 FOR AGGREGATE SUBBASE MATERIAL AND COMPACTION REQUIREMENTS.

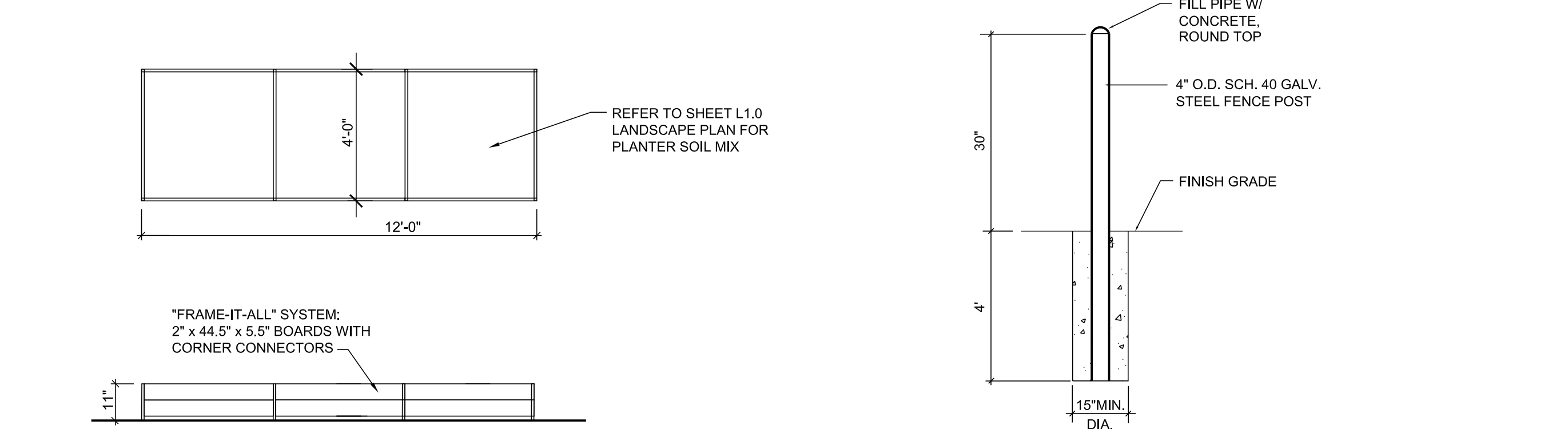
REFER TO SPECIFICATIONS SECTION 32-12-16 FOR ASPHALT PAVING WORK

**KEY NOTES**

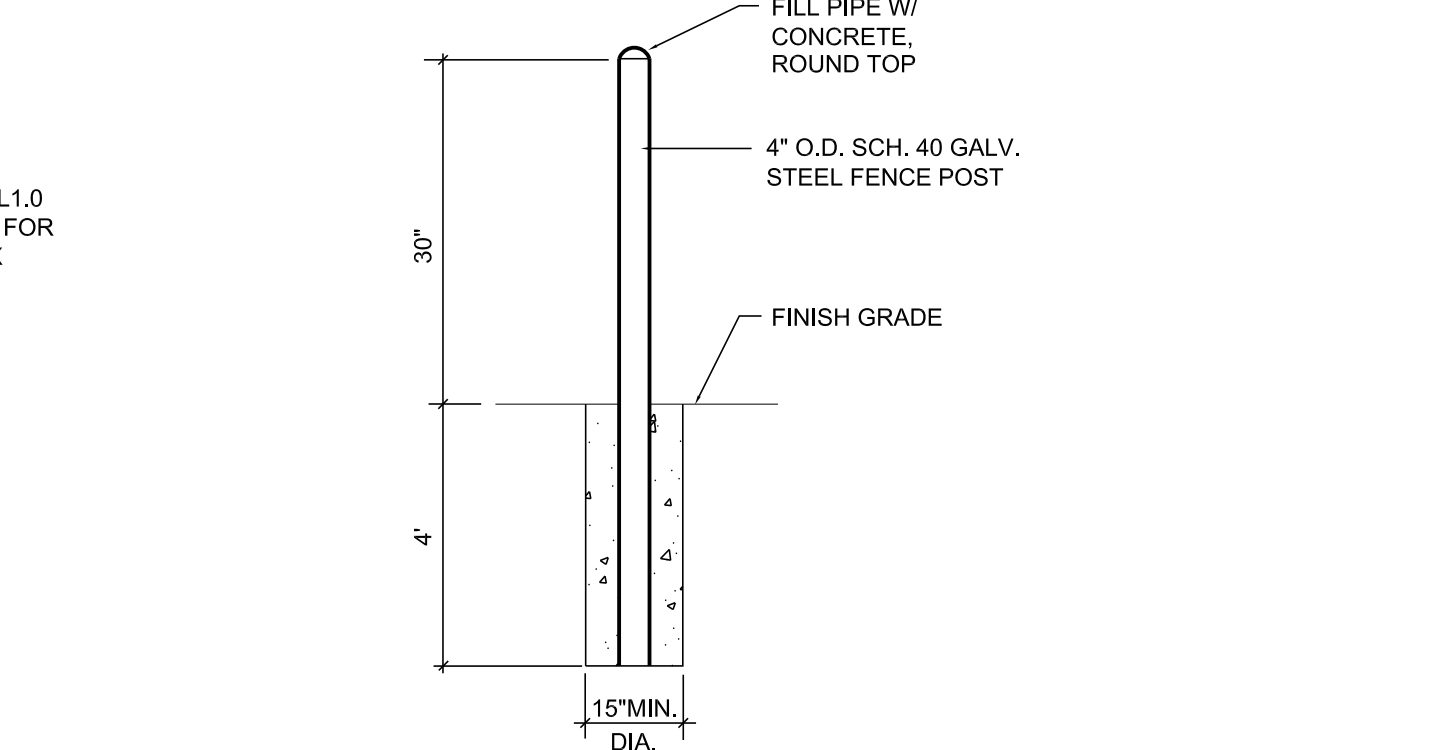
- 6" CONCRETE STRAIGHT CURB, REFER TO DETAIL 1/C2.0
- CONCRETE WALK REFER TO DETAIL 2/C2.0. JOINTS 5' O.C. TYPICAL. WALKS ALONG PARKING AND DRIVES SHALL HAVE A JOINT 2' OFFSET PARALLEL TO PARKING AND DRIVES. SEE SITE PLAN FOR BASIC LAYOUT. FIELD ADJUST JOINT SPACING TO FIT.
- INSTALL NEW HANDICAP PARKING SIGN, TYPICAL FOR 4 SIGNS
- NEW 6" THICK CONCRETE DRIVE APPROACH AND SIDEWALK, CONSTRUCT ON 6" COMPACTED AGGREGATE SUBBASE AND COMPACTED SUBGRADE, 4,000 PSI CONCRETE MIX.
- PAINT STANDARD ADA SYMBOL AND CROSS HATCH LINES IN ADJACENT AREA, TYPICAL FOR 4 SPACES.
- LANDSCAPE PLANTING AREA, REFER TO SHEET L1.0 LANDSCAPE PLAN.
- NEW PLANTERS, SEE DETAIL 3/C2.0
- NEW TRASH ENCLOSURE, SEE DETAIL 6/C2.0
- NEW SCREEN FENCE, REFER TO DETAIL 7/C2.0. CONTRACTOR SHALL FIELD VERIFY PROPERTY LINES PRIOR TO INSTALLATION. REFER TO SPECIFICATION SECTION 32-31-32
- NEW ALUMINUM FENCE, CONTRACTOR SHALL FIELD VERIFY PROPERTY LINES PRIOR TO INSTALLATION. REFER TO SPECIFICATION SECTION 32-31-19
- STANDARD PRECAST CONCRETE WHEEL STOP, ANCHOR TO PAVEMENT WITH (2) #4 REBAR
- ELECTRICAL TRANSFORMERS, SEE SHEET C4.0
- CONCRETE PATIO, REFER TO DETAIL 2/C2.0
- PAINT CROSS HATCH STRIPES IN NO PARKING AREA
- EXISTING ASPHALT PAVEMENT - CRACK REPAIR AND SEALCOAT - REFER TO NOTES THIS SHEET.
- CONSTRUCT 3' x 3' x 5" CONCRETE PAD ON 4" COMPACTED AGGREGATE BASE OVER COMPACTED SUBGRADE AROUND EXISTING GATCH BASIN. REPLACE GRATE WITH NEW GRATE IMPRINTED WITH "NO DUMPING". CLEAN STRUCTURE OF ALL DEBRIS AND TRASH.
- CONCRETE PATIO, 8' x 10' x 4" THICK
- NEW BENCH, REFER TO SPECIFICATION SECTION 32-30-00.
- NEW PICNIC TABLE, TYP. FOR 2, REFER TO SPECIFICATION SECTION 32-30-00.
- NEW TRASH RECEPTACLE, REFER TO SPECIFICATION SECTION 32-30-00.
- 3' x 10' x 4" THICK CONCRETE PAD FOR BENCH
- INFILL AREA WITH NEW ASPHALT PAVEMENT (BASE BID). REFER TO "PAVEMENT RESTORATION NOTES" THIS SHEET.
- LOW SCREEN WALL, REFER TO DETAIL 5/C2.0
- NEW SHELTER - SEE SHEET C4.0 FOR SHELTER FOUNDATION PLAN.
- 3' x 13' x 4" THICK CONCRETE PAD FOR BENCH AND TRASH RECEPTACLE
- NEW CONCRETE SIDEWALK RAMP, REFER TO DETAIL 8/C2.0. REPLACE EXISTING SIDEWALK DAMAGED WITH INSTALLATION OF NEW WATER LINE
- NEW LANDSCAPE PLANTING AREA, SEE SHEET L1.0



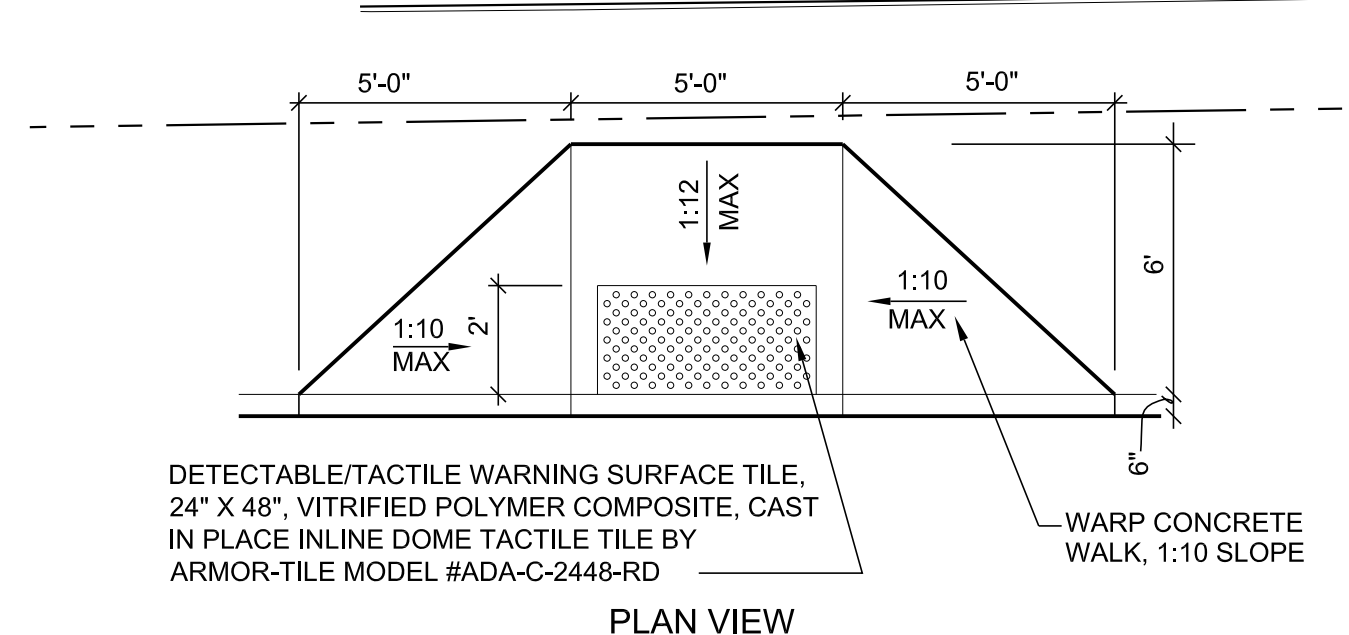
**1 CONCRETE STRAIGHT CURB** NOT TO SCALE  
**2 CONCRETE WALK/PAVEMENT** NOT TO SCALE



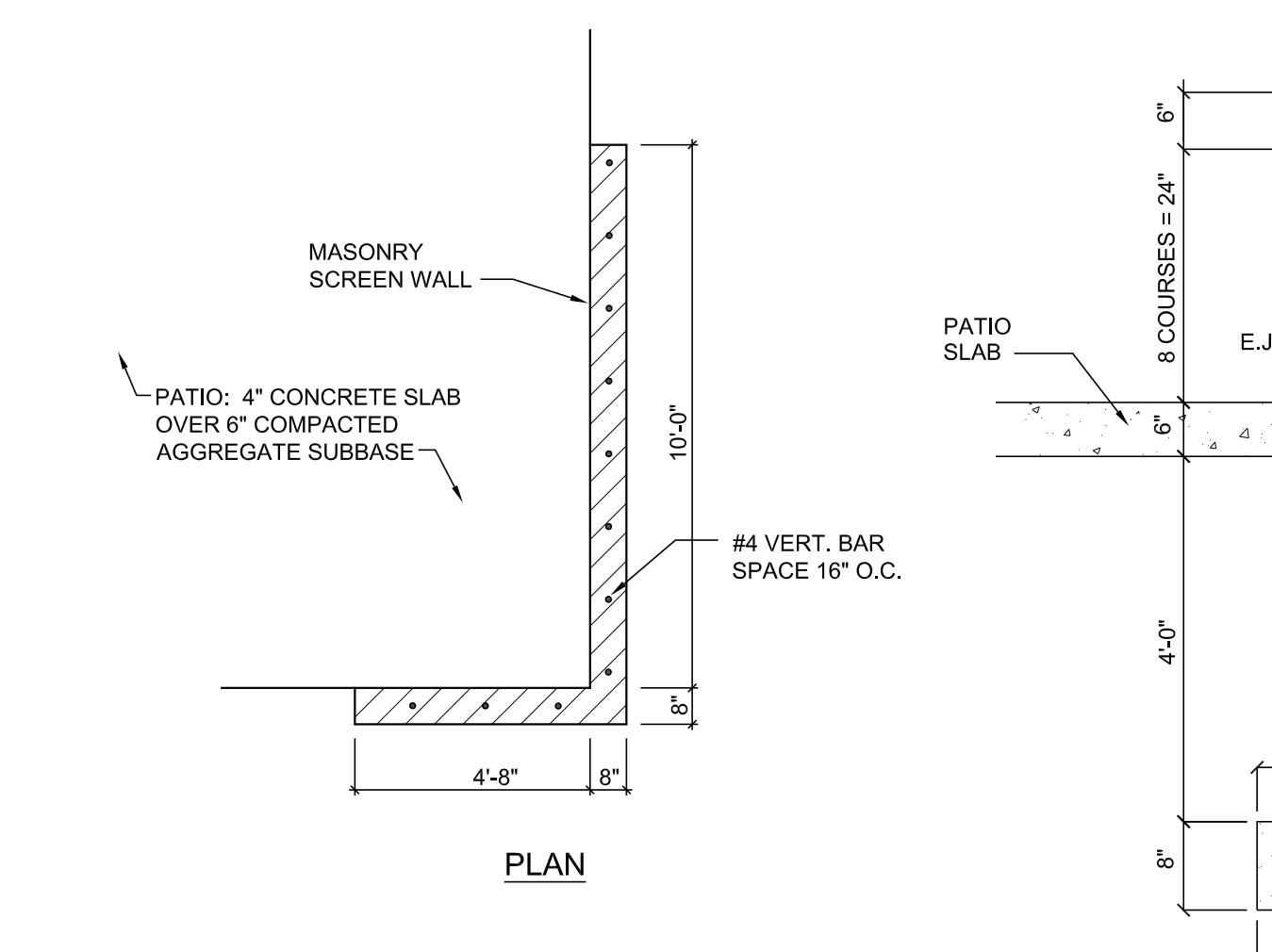
**3 PLANTERS** MANUFACTURER: WWW.FRAMEITALL.COM  
 NOT TO SCALE



**4 PIPE BOLLARD** NOT TO SCALE



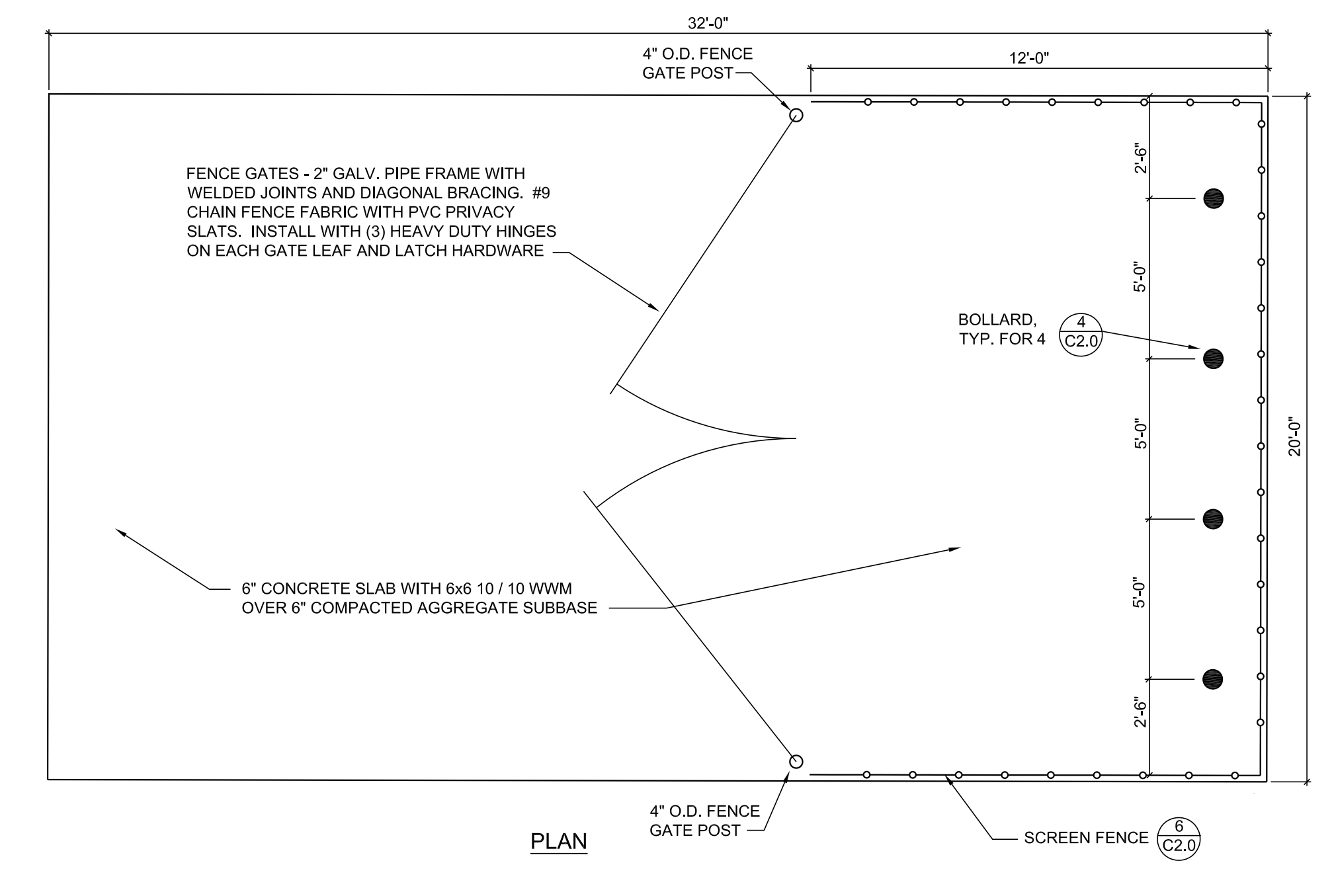
**8 ACCESSIBLE CURB RAMP** NOT TO SCALE



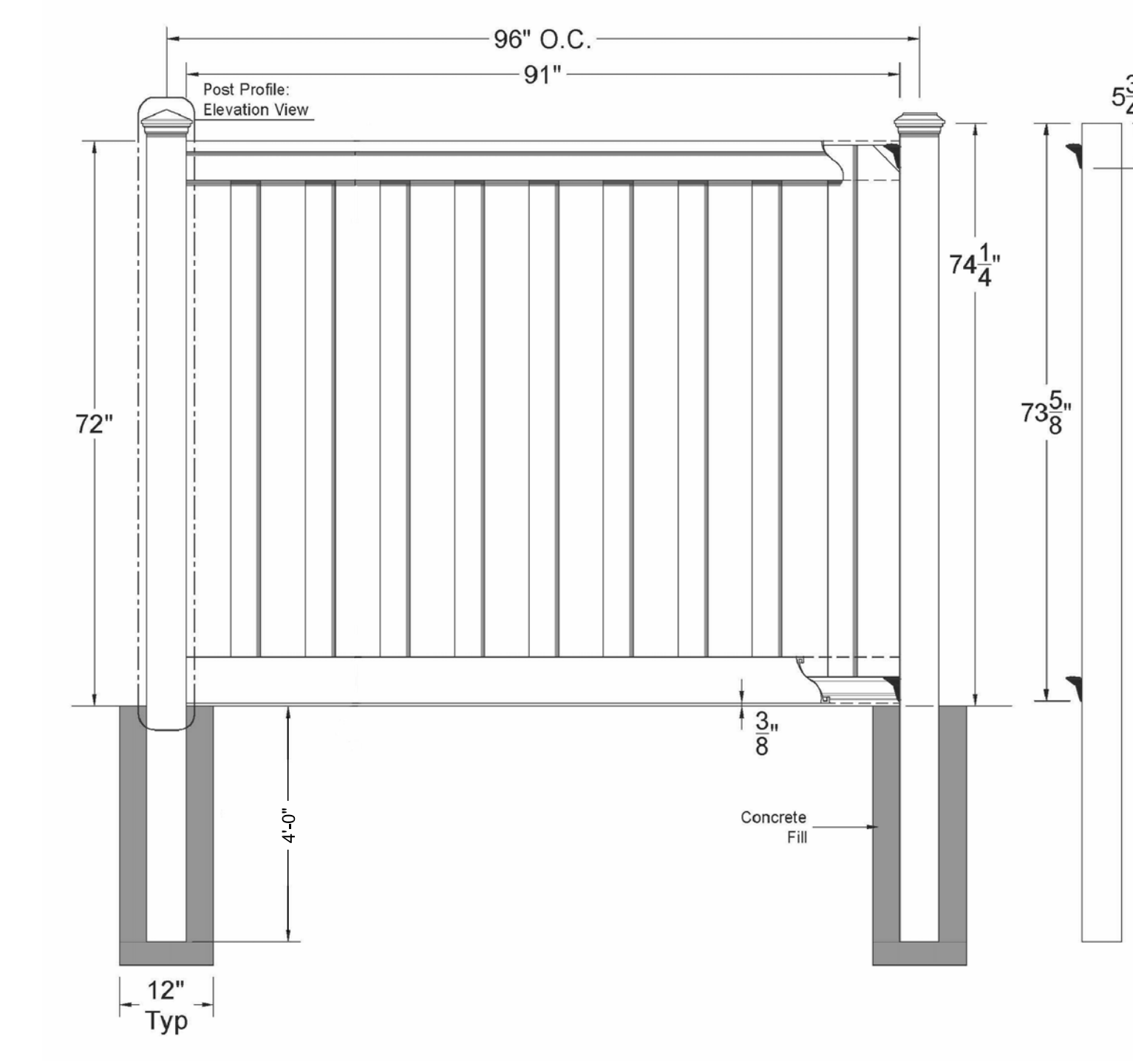
**5 PATIO MASONRY SCREEN WALL** NOT TO SCALE

**GENERAL NOTES**

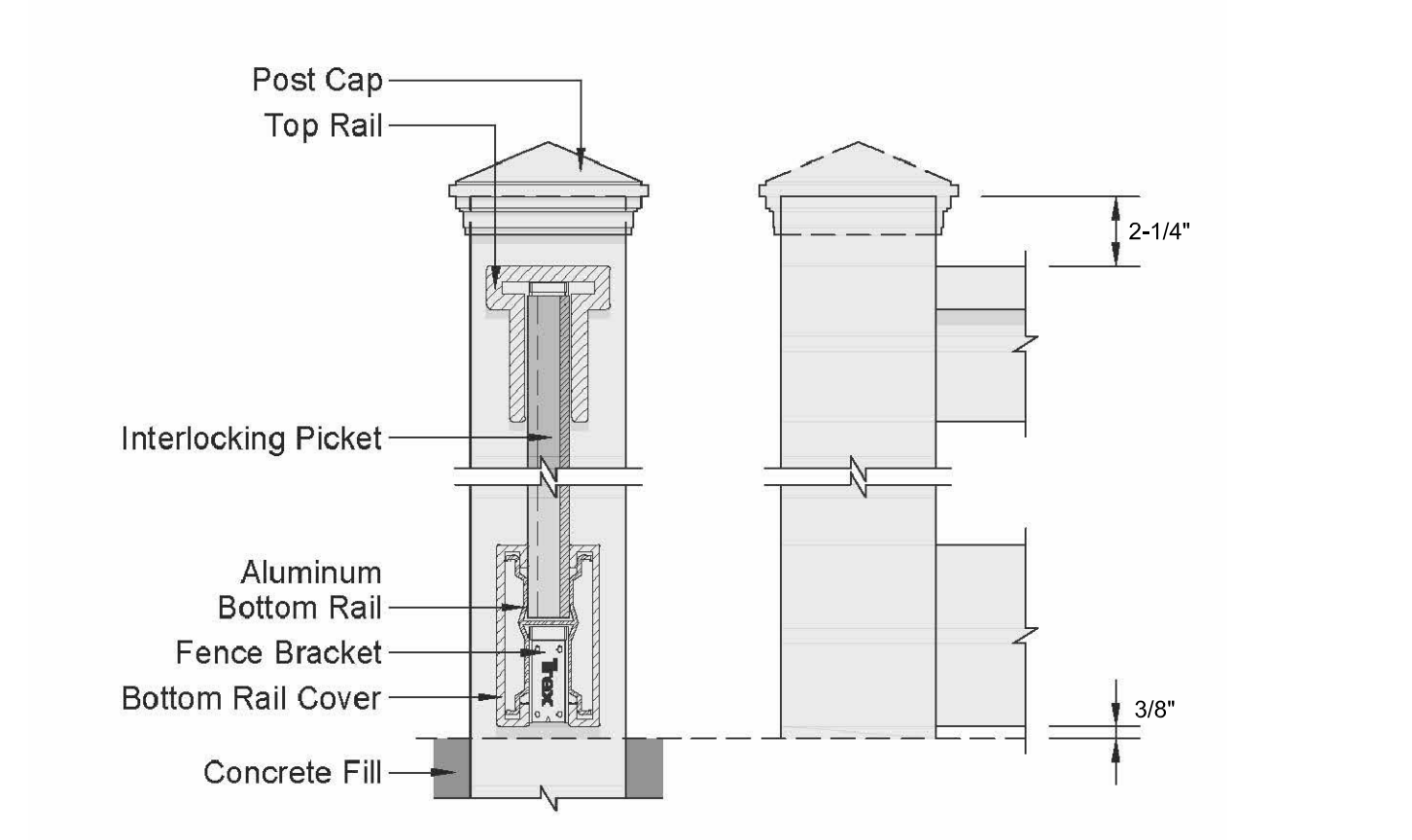
- DO NOT SCALE DRAWINGS - USE WRITTEN DIMENSIONS ONLY. ALL DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT/WALK, UNLESS OTHERWISE NOTED.
- ALL SITEWORK WITHIN PUBLIC RIGHTS OF WAYS TO BE IN ACCORDANCE WITH CITY OF RACINE STANDARDS AND REQUIREMENTS.
- CONTRACTOR IS OBLIGATED TO FIELD VERIFY LAYOUT IN THE FIELD AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS.



**6 TRASH ENCLOSURE / MASONRY SCREEN WALL** NOT TO SCALE



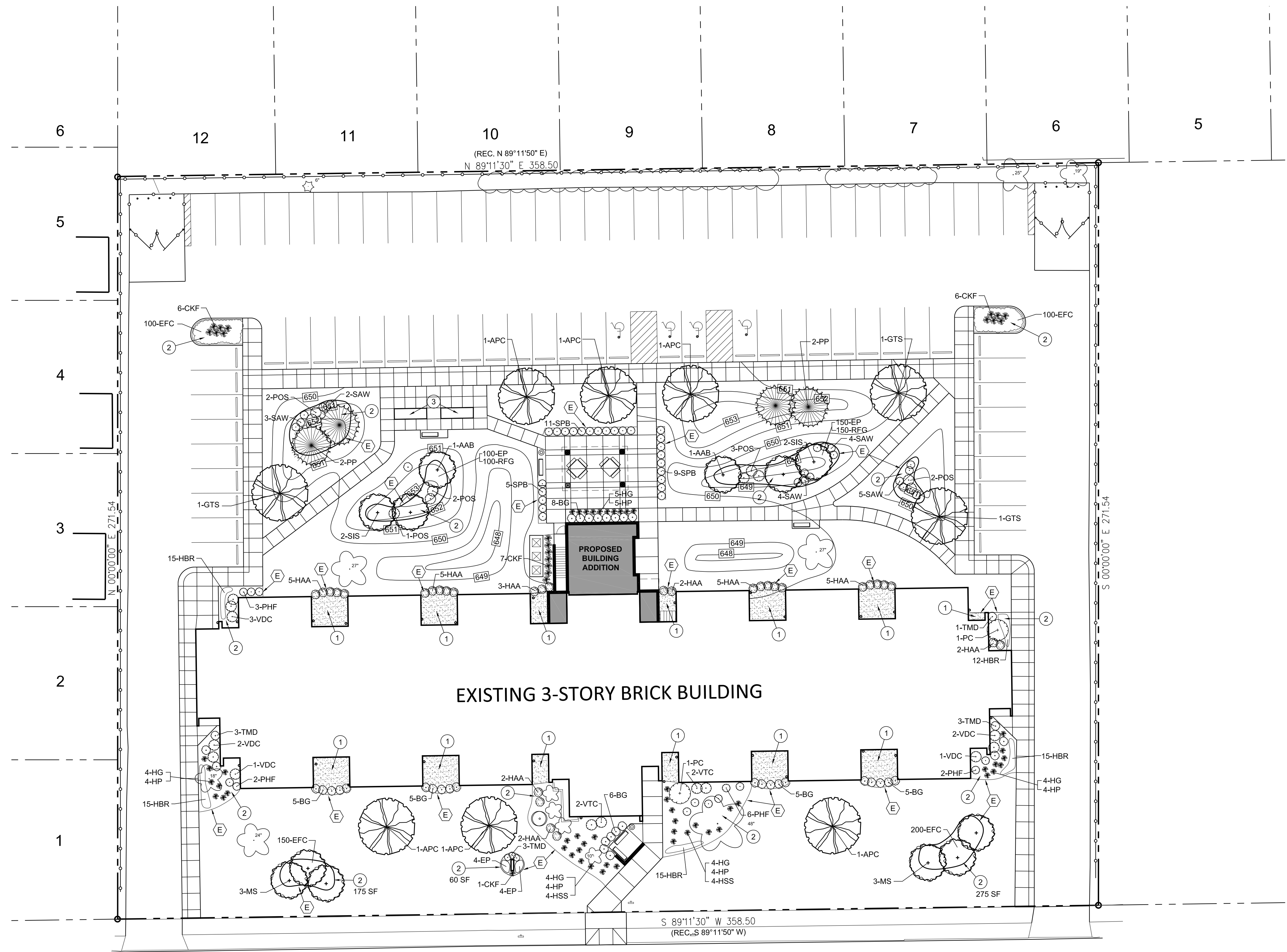
**7 SCREEN FENCE** NOT TO SCALE  
 FENCE SHALL BE "SECLUSIONS" BY TREX COMPOSITE FENCING WWW.TREXFENCING.COM



**Post Profile: Cut View / Elevation View**

**NOTES:**

- INSTALLATION TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION
- THIS DRAWING IS PROVIDED FOR PLANNING PURPOSES. REFER TO MANUFACTURER'S INSTALLATIONS FOR CONSTRUCTION DETAILS.
- REFER TO MANUFACTURER'S WEBSITE FOR PRODUCT INFORMATION.
- DRAWING NOT TO SCALE.



**LANDSCAPE NOTES**

- CONTRACTOR SHALL ARRANGE FOR ON-SITE MARKING OF UNDERGROUND UTILITIES PRIOR TO ANY WORK ON-SITE. NOTIFY ARCHITECT OF ANY CONFLICTS WITH PROPOSED WORK.
- TREE CALIPER SIZE INDICATES THE DIAMETER OF THE TRUNK TAKEN AT 6" ABOVE GROUND LEVEL.
- KEEP THE SOIL MOIST OF BALLED AND CONTAINER PLANTS UNTIL THEY ARE PLANTED.
- IF PLANTS CANNOT BE PLANTED IMMEDIATELY, THEY SHOULD BE HELED IN AND BALLS/CONTAINERS COVERED WITH MULCH.
- ALL PLANTING LOCATIONS TO BE FIELD STAKED BY CONTRACTOR AND APPROVED BY OWNER PRIOR TO INSTALLATION FOR PROPER AESTHETIC AND FUNCTIONAL USE.
- ALL SOIL PREPARATION OF PLANTING AREAS TO BE DONE BY LANDSCAPE CONTRACTOR PER SPECIFICATIONS.
- ALL PROPOSED PLANT MATERIALS ARE SHOWN AT MATURE GROWTH. SPACE AS INDICATED ON PLANT LIST OR TO PROPER HORTICULTURAL METHODS.
- LANDSCAPE CONTRACTOR TO NOTIFY OWNER IMMEDIATELY OF ANY FOREIGN SUBSTANCE THAT MAY BE DAMAGING TO PLANT MATERIAL, PRIOR TO PLANTING.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER WORK FOR PROPER PLACEMENT OF PLANT MATERIALS AND LANDSCAPE WORK.
- QUANTITIES SHOWN ON THE PLANT LIST IS FOR CONTRACTORS INFORMATION ONLY. IN CASE OF DISCREPANCY, THE ACTUAL COUNT ON THE LANDSCAPE PLAN PREVAILS.

**KEY NOTES**

- EXCAVATE ARE 3" DEEP. INSTALL WEED BARRIER GEOTEXTILE FABRIC AND PLACE 3" WASHED RIVER GRAVEL 3/4" - 1-1/2" SIZE. SUBMIT SAMPLE FOR REVIEW.
- LANDSCAPE BED, PLACE 3" SHREDDED MULCH FROM REMOVAL OF EXISTING TREES.
- RAISED PLANTER - 4" x 12" x 11" H. SCARIFY SUBGRADE, PLACE 3" PEA GRAVEL, OVERLAY WITH GEOTEXTILE FABRIC AND PLACE PLANTING MIX FOR (2) GARDEN PLOTS. PLANTING MIX TO BE 50% TOPSOIL, 25% SAND AND 25% PEAT. REFER TO DETAIL 3/C2.0 FOR PLANTER INFORMATION.

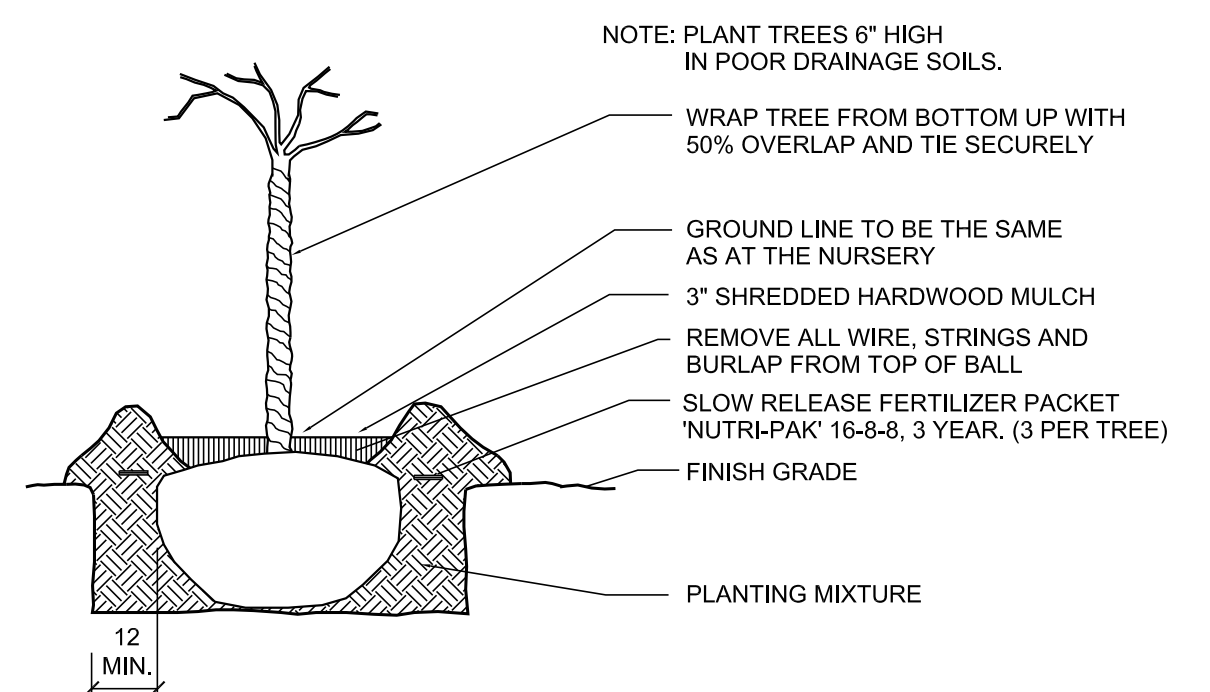
**LAWN AREAS**

ALL NEWLY GRADED LAWN AREAS AND EXISTING LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE PREPARED AND SEEDED AS PER SPECIFICATIONS.

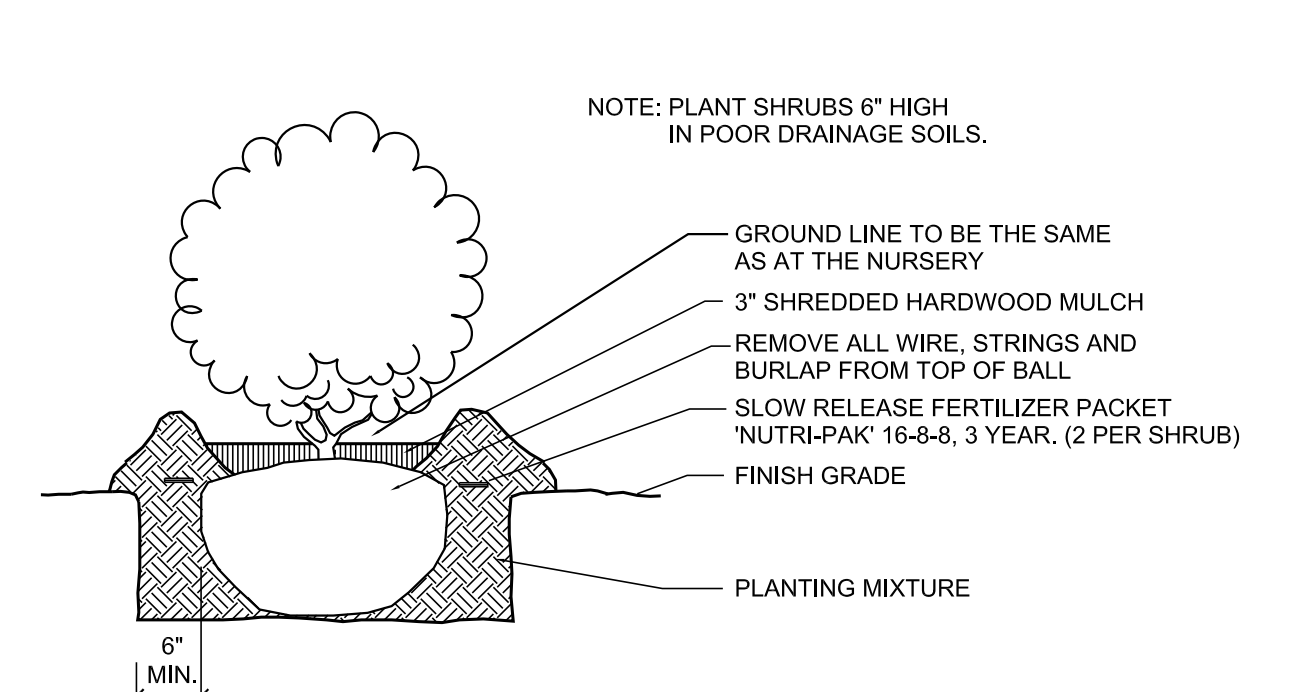
**PLANT LIST**

CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	REMARKS
APC	ACER PLATANOIDES 'COLUMNNAIRE'	COLUMNAR NORWAY MAPLE	3" CAL.	6	B&B
AAB	AMELANCHIER x GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	8" HT.	2	B&B
BG	BUXUS x 'GLENDCE'	CHICAGO LAND GREEN BOXWOOD	18"	34	
CKF	CALAMAGROTIS x ACUTIFOLIA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	#2 CONT.	20	
EP	ECHINACEA PURPUREA 'KIM'S KNEE HIGH'	KIM'S KNEE HIGH CONEFLOWER	#2 CONT.	158	SPACE 18" O.C.
EFC	EUONIUMUS FORTUNEI 'COLORATUS'	PURPLELEAF WINTERCREEPER	#1 CONT.	550	SPACE 12" O.C.
GTS	GLEDITSIA TRIACANTHOS INERMIS 'SKYCOLE'	SKYLINE HONEYLOCUST	3" CAL.	3	B&B
HBR	HEMEROCALLIS 'BODACIOUS RETURNS'	BODACIOUS RETURNS GOLD DAYLILY	#1 CONT.	72	
HG	HOSTA 'GUACAMOLE'	GUACAMOLE HOSTA	#2 CONT.	21	
HP	HOSTA 'PATRIOT'	PATRIOT HOSTA	#2 CONT.	21	
HSS	HOSTA 'SUM & SUBSTANCE'	SUM & SUBSTANCE HOSTA	#2 CONT.	8	
HAA	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE HYDRANGEA	24"	31	
MS	MALUS SARGENTII	SARGENT CRABAPPLE	2" CAL.	6	
PP	PICEA PUNGENS	COLORADO SPRUCE	8" HT.	4	B&B
POS	PHYSOCARPUS OPULIFOLIUS 'SEWARD'	SUMMER WINE NINEBARK	24"	10	
PHF	POTENTILLA FRUTICOSA 'HAPPY FACE PINK'	HAPPY FACE PINK PARADISE CINQUEFOIL	24"	13	
PC	PRUNUS x CISTENA	PURPLELEAF SAND CHERRY	4" HT.	2	B&B
RFG	RUBECKIA FULGIDA SPECIOSA 'VIETTE'S LITTLE SUZY'	VIETTE'S LITTLE SUZY CONEFLOWER	#2 CONT.	250	SPACE 18" O.C.
SAW	SPIRAEA x BUMALDA 'ANTHONY WATERER'	ANTHONY WATERER SPIRAEA	24"	18	
SPB	SYRINGA x 'PENDA'	BLOOMERANG PURPLE LILAC	24"	25	SPACE 3" O.C.
SIS	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2" CAL.	4	B&B
TMD	TAXUS x MEDIA 'DENSIFORMIS'	DENSE YEW	24"	10	
VDC	VIBURNUM DENTATUM 'CHRISTOM'	BLUE MUFFIN VIBURNUM	36"	9	
VTC	VIBURNUM TRILOBUM 'COMPACTA'	DWARF CRANBERRY VIBURNUM	24"	4	

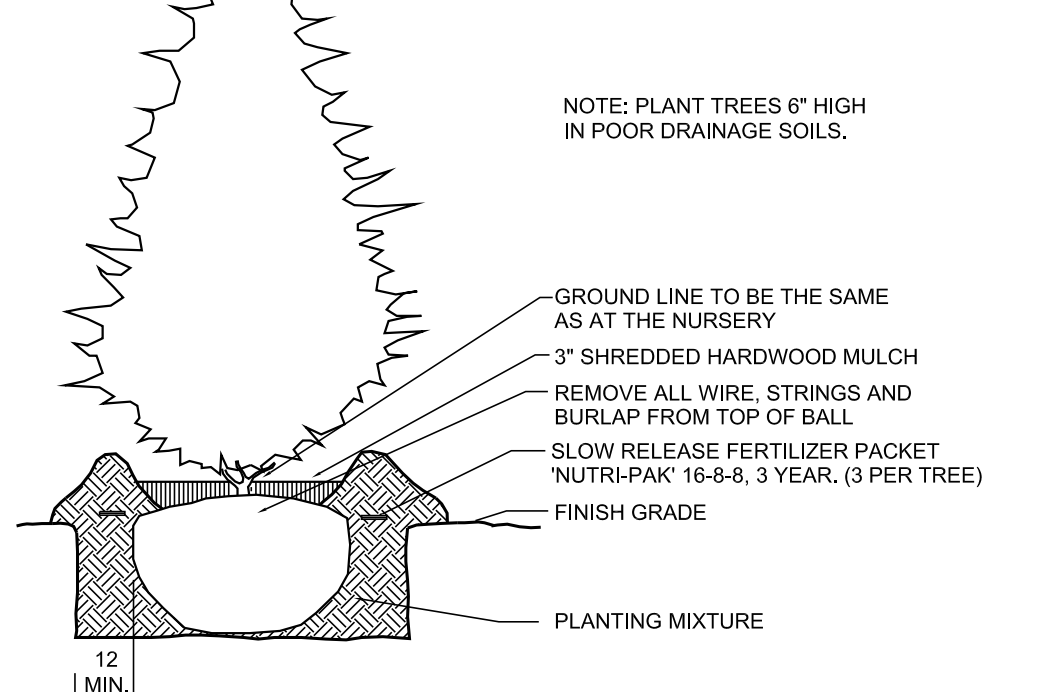
(E) LANDSCAPE EDGING, REFER TO SPECIFICATIONS



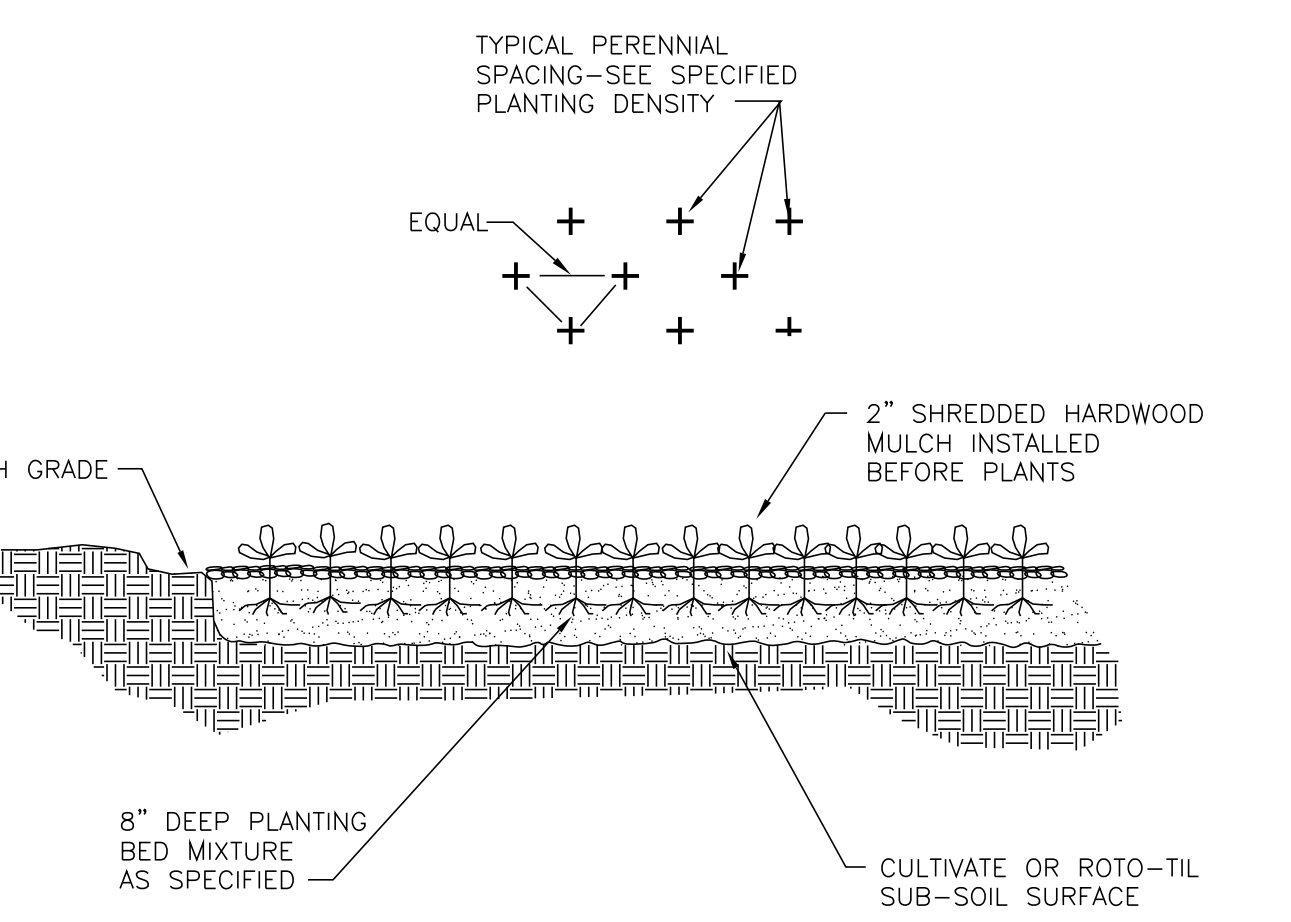
1 TREE PLANTING DETAIL  
NOT TO SCALE



2 SHRUB PLANTING DETAIL  
NOT TO SCALE



3 EVERGREEN PLANTING DETAIL  
NOT TO SCALE



3 PERENNIAL PLANTING DETAIL  
NOT TO SCALE



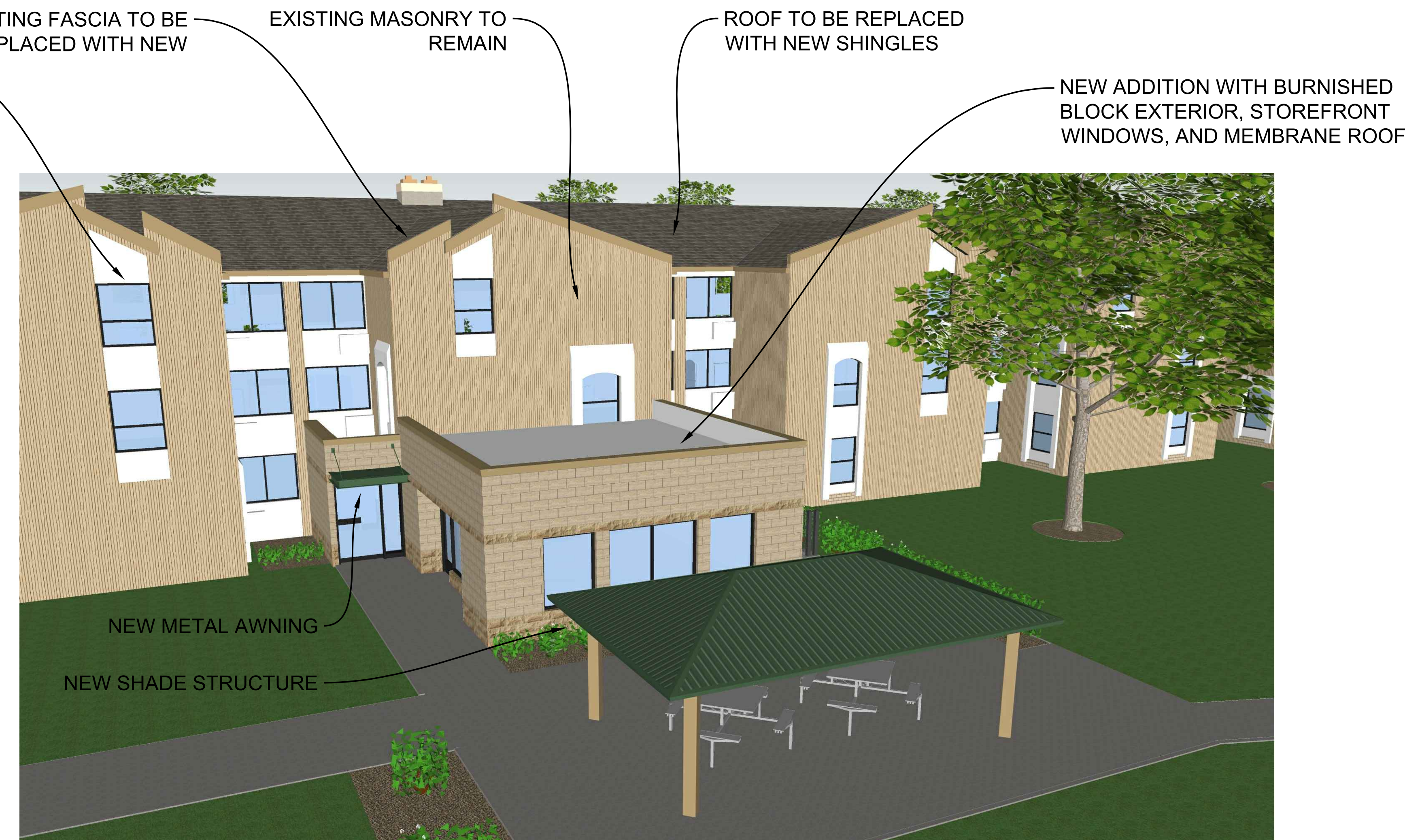
VIEW OF PROPOSED WORK ON EXISTING SOUTH FACADE



VIEW OF PROPOSED WORK ON EXISTING SOUTH FACADE



VIEW OF PROPOSED WORK AND ADDITION TO EXISTING NORTH FACADE



VIEW OF PROPOSED WORK AND ADDITION TO EXISTING NORTH FACADE

# OW1303 – AVATAR™



Type: Project:

[VisaLighting.com/products/Avatar](http://VisaLighting.com/products/Avatar)

Fill in shaded boxes using information listed below

Order Code: **OW1303**  
MODEL

**A** SOURCE **B** VOLTAGE **C** FRAME **D** ACCENT BAR AND END CAP **E** OPTION(S)  
Finishes



The options available in this series provide a variety of visual compositions; this rugged die-cast and extruded fixture stands up to the elements.

**A SOURCE (Select one) B VOLTAGE**

MVOLT fixture accepts 120 through 277 input voltage  
LED sources are 83CRI, within 3-step MacAdam and are dimmable 0-10V to 1%

LED Sources	CCT	Delivered Lumens	Power (Watts)	Voltage
• L30K-L	3000K	1100	13	MVOLT
L35K-L	3500K			
• L40K-L	4000K			
• L30K-H	3000K	1600	19	
L35K-H	3500K			
• L40K-H	4000K	1700		

**FINISHES (Select one C Frame Finish and one D Accent Bar and End Cap Finish** See page 2 for color chart

Powder Coat Painted Finishes (Standard) for Frame or Accent Bar and End Cap

<b>AG7038</b> Agate Grey	<b>CVBL</b> Cove Blue	<b>GW9002</b> Grey White	<b>PB1035</b> Pearl Beige
<b>BMAT</b> Bronze Matte	<b>CW9001</b> Cream	<b>HTHR</b> Heather	<b>RUST</b> Rust
<b>BRNZ</b> Bronze	<b>GLIM</b> Glimmer	<b>JB9005</b> Jet Black	<b>SUNG</b> Sungold
<b>BSIL</b> Blade Silver	<b>GSIL</b> Graphite Silver	<b>OBRZ</b> Old Bronze	<b>TW9016</b> Traffic White

Metals (Premium) for Accent Bar and End Cap only

**BSS** Brushed Stainless Steel **PSS** Polished Stainless Steel

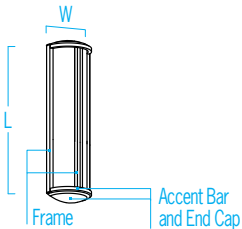


**DIMENSIONS**

Depth is measured from wall to front of fixture

L = Length D = Depth W = Width MC = Mounting Center

L	25-1/8"	(638 mm)
D	4"	(102 mm)
W	7-1/4"	(184 mm)
MC	12-1/2"	(318 mm)



**E OPTIONS (Multiple Selections Allowed)**

⚠ Option availability may be interdependent with Voltage, Source or Other Options

- HM** Horizontal mount (vertical is standard)
- XPS** Express 10 day shipping. Items marked with a bullet (•) are not available with XPS



ADA



XPS



LED



ETL Listed

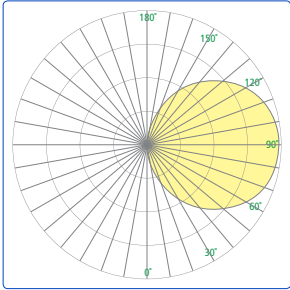


5 Year Warranty

# OW1303 – AVATAR



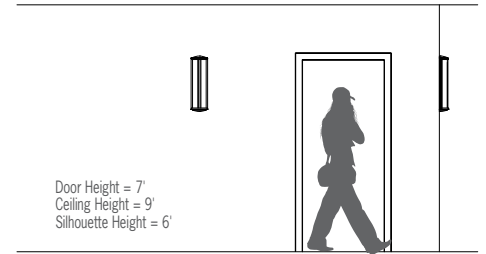
### Photometrics



### Technical Information

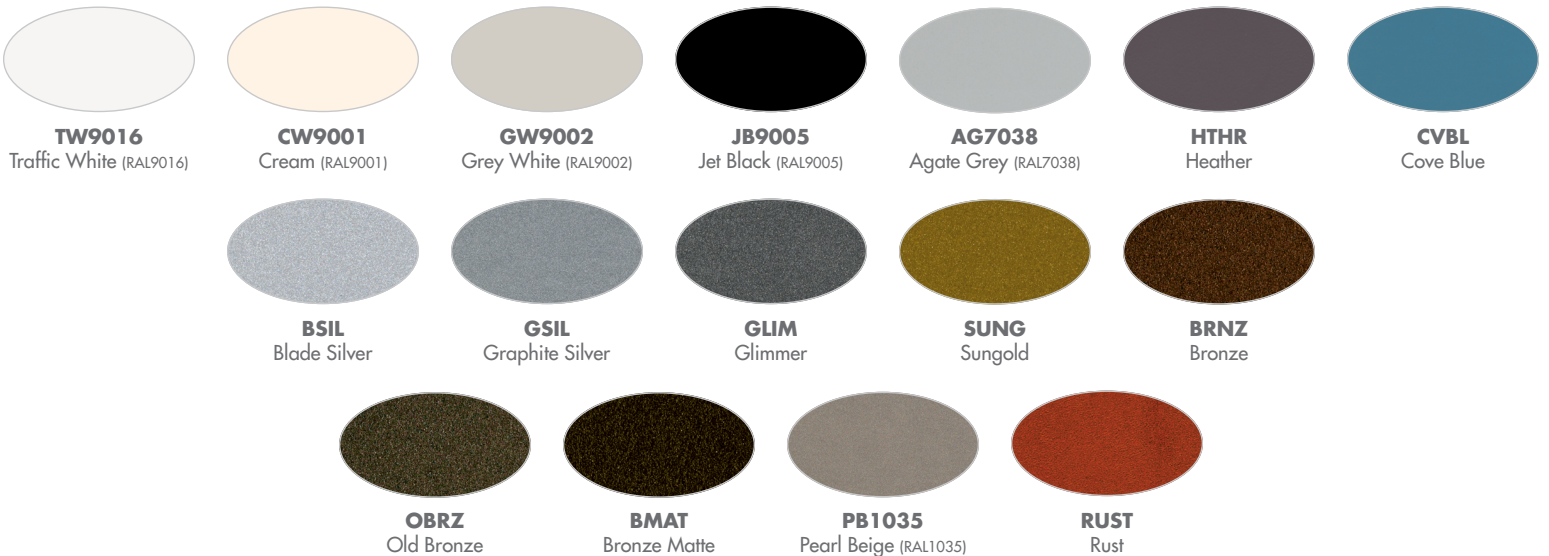
- Modular design for replacement of LED source and power supply
- Vertical mounting standard (horizontal mounting optional)
- Mounts to standard electrical junction box (by others) and wall with provided hardware
- Removable cam-action hinged frame for ease of maintenance
- Extruded aluminum backplate and center accent, die-cast end caps. Solid metal or die cast accent.
- Sealed and gasketed construction
- High impact white acrylic diffuser
  - ◆ F1 rated, UV stable
  - ◆ UL-94 HB Flame Class rated
- No VOC powder coat paint or stainless steel finish
- ETL listed for wet location mounting 4' above grade

### Relative Scale Drawing



Specify color code when ordering. For accurate color matching, individual paint and finish samples are [available upon request](#). For additional information see [VisaLighting.com/materials-finishes](http://VisaLighting.com/materials-finishes)

### Painted Finishes (Standard)



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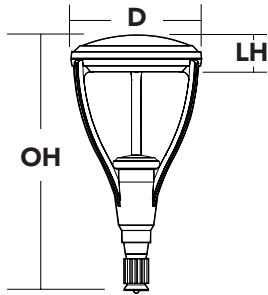


# MRP LED LED Area Luminaire



## Specifications

<b>EPA:</b>	1.125 ft <sup>2</sup> (0.105 m <sup>2</sup> )
<b>Luminaire Height:</b>	6-3/8" (16.2 cm)
<b>Overall Height:</b>	32" (81.3 cm)
<b>Diameter:</b>	18" (45.7 cm)
<b>Weight (max):</b>	37.5 lbs (17 kg)



Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

## A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a **shaded background**. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability<sup>1</sup>
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**<sup>1</sup>

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)



A+ Capable options indicated by this color background.

## Ordering Information

**EXAMPLE: MRP LED 42C 700 40K SR5 MVOLT DDBXD**

MRP LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
MRP LED	42C	42 LEDs (one engine)	350 350mA 530 530mA 700 700mA 1000 1000mA (1A)	30K 3000K 40K 4000K 50K 5000K	SR2 Type II SR3 Type III SR4 Type IV SR5 Type V	MVOLT <sup>1</sup> 277 <sup>2</sup> 120 <sup>2</sup> 347 <sup>2</sup> 208 <sup>2</sup> 480 <sup>2</sup> 240 <sup>2</sup>	<b>Shipped included</b> (blank) Fits 4"OD round pole <b>Shipped separately</b> <sup>3</sup> MRPT20 2-3/8" tenon slipfitter MRPT25 2-7/8" tenon slipfitter MRPT30 3-1/2" tenon slipfitter MRPT35 4" tenon slipfitter MRPF3 3"OD round pole adapter MRPF5 5"OD round pole adapter <sup>4</sup>
Control options				Other options		Finish (required)	
<b>Shipped installed</b> PER NEMA twist-lock receptacle only (control ordered separate) PER5 Five-wire receptacle only (control ordered separate) <sup>5</sup> PER7 Seven-wire receptacle only (control ordered separate) <sup>5</sup> BL30 Bi-level switched dimming, 30% <sup>6,7</sup> BL50 Bi-level switched dimming, 50% <sup>6,7</sup>				PNMTDD3 Part night, dim till dawn <sup>7</sup> PNMT5D3 Part night, dim 5 hrs <sup>7</sup> PNMT6D3 Part night, dim 6 hrs <sup>7</sup> PNMT7D3 Part night, dim 7 hrs <sup>7</sup>		SF Single fuse (120, 277, 347V) <sup>2</sup> DF Double fuse (208, 240, 480V) <sup>2</sup> DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white	





## Ordering Information

### Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>8</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>8</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>8</sup>
DSHORT SBK U	Shorting cap <sup>8</sup>
MRPT20 DDBXD U	2-3/8" tenon slipfitter (specify finish)
MRPT25 DDBXD U	2-7/8" tenon slipfitter (specify finish)
MRPT30 DDBXD U	3-1/2" tenon slipfitter (specify finish)
MRPT35 DDBXD U	4" tenon slipfitter (specify finish)
MRPF3 DDBXD U	3" OD round pole adapter (specify finish)
MRPF5 DDBXD U	5" OD round pole adapter (specify finish) <sup>3</sup>

For more control options, visit [DTL](#) and [ROAM](#) online.

### NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Also available as a separate accessory; see Accessories information at left.
- Maximum pole wall thickness is 0.156".
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
- Requires an additional switched line.
- Dimming driver standard. Not available with 347V, 480V, SF, DF, PER5 or PER7.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
42C (42 LEDs)	530	75W	SR2	5,456	1	2	1	55	6,605	1	2	1	66	6,671	1	2	1	67
			SR3	5,436	1	1	1	54	6,581	1	1	2	66	6,647	1	1	2	66
			SR4	5,399	1	1	1	54	6,537	1	1	2	65	6,602	1	1	2	66
			SR5	5,748	3	1	3	57	6,959	3	1	3	70	7,029	3	1	3	70
	700	100W	SR2	6,630	1	2	1	44	8,026	2	2	2	53	8,106	2	2	2	54
			SR3	6,605	1	1	2	44	7,997	1	2	2	53	8,077	1	2	2	53
			SR4	6,561	1	1	2	43	7,943	1	2	2	53	8,022	1	2	2	53
			SR5	6,985	3	1	3	46	8,456	3	2	3	56	8,541	3	2	3	57
	1000	151W	SR2	8,165	2	2	2	109	9,885	2	2	2	132	9,983	2	2	2	133
			SR3	8,135	1	2	2	108	9,848	2	2	2	131	9,947	2	2	2	133
			SR4	8,080	2	2	2	108	9,782	2	2	2	130	9,880	2	2	2	132
			SR5	8,602	3	2	3	115	10,414	4	2	4	139	10,518	4	2	4	140

### PER Table

Control	PER (3 wire)	PER5 (5 wire)			PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7	
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
ROAM with Motion (ROAM on/off only)	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture	
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture	

✓ Recommended

⊘ Will not work

⚠ Alternate

\*Futureproof means: Ability to change controls in the future.

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.06
10°C	50°F	1.04
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
40°C	104°F	0.96

### Projected LED Lumen Maintenance

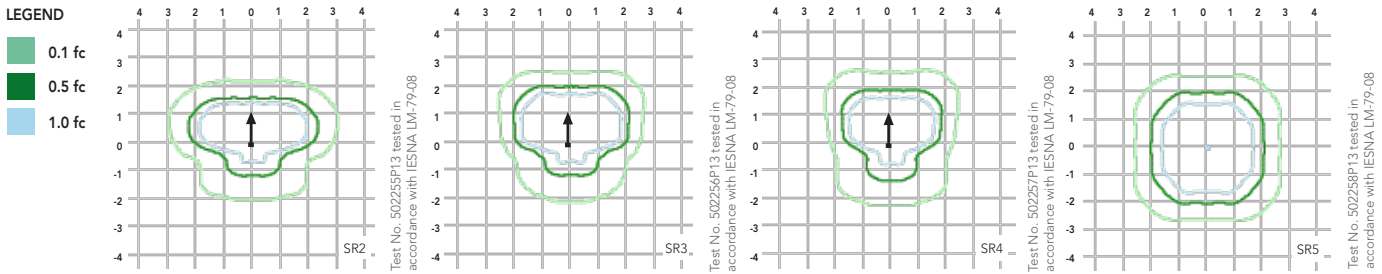
Data references the extrapolated performance projections for the **MRP LED 42C 700** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.96	0.92	0.85



Isofootcandle plots are considered to be representative of available optical distributions.



## FEATURES & SPECIFICATIONS

### INTENDED USE

Streets, walkways, parking lots and surrounding areas.

### CONSTRUCTION

Single-piece die-cast aluminum housing with nominal wall thickness of .012". Die-cast top access doorframe has impact-resistant, tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum and white. Available in textured and non-textured finishes.

### OPTICS

Precision acrylic refractive optics for optimum light distribution through the flat glass lens. Light engines are available in standard 3000K (70 CRI) or optional 4000K (70 CRI) or 5000K (70 CRI) configurations.

### ELECTRICAL

Light engine consists of 42 high-efficacy LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low for operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Standard post-top mounting configuration fits into a 4" OD open pole top (round pole only). Multiple options and accessories are available for other mounting needs.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient. **U.S. Patent No. D556,357.**

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



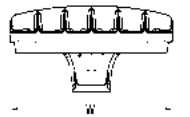
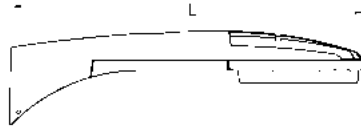
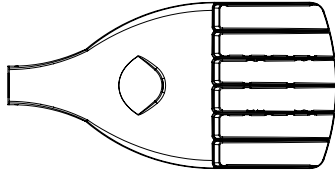
# D-Series VC Size 0 LED Area Luminaire


d<sup>series</sup>



## Specifications

<b>EPA:</b>	0.95 ft <sup>2</sup> (.09 m <sup>2</sup> )
<b>Length:</b>	26" (66.0 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height:</b>	7" (17.8 cm)
<b>Weight (max):</b>	16 lbs (7.25 kg)



 A+ Capable options indicated by this color background.

Catalog  
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

## A+ Capable Luminaire

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- This luminaire is A+ Certified when ordered with DTL<sup>®</sup> controls marked by a **shaded background**. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability<sup>1</sup>
- This luminaire is part of an A+ Certified solution for ROAM<sup>®</sup> or XPoint<sup>™</sup> Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**<sup>1</sup>

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

## Ordering Information

**EXAMPLE: DSX0 LED P3 30K VLS MVOLT SPA FAO DDBXD**

DSX0 LED	Series	Lumen Package	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	P1	6,000 Lumen Package	30K 3000 K	VLS Symmetric	MVOLT <sup>1</sup>	<b>Shipped included</b>
	P2	8,700 Lumen Package	40K 4000 K		120 <sup>2</sup>	SPA Square pole mounting
	P3	12,000 Lumen Package	50K 5000 K		208 <sup>2</sup>	RPA Round pole mounting
					240 <sup>2</sup>	WBA Wall bracket
					277 <sup>2</sup>	SPUMBA Square pole universal mounting adaptor <sup>4</sup>
					347 <sup>2,3</sup>	RPUMBA Round pole universal mounting adaptor <sup>4</sup>
					480 <sup>2,3</sup>	<b>Shipped separately</b>
						KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>5</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b>	<b>Shipped installed</b>	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) <sup>6</sup>	SF Single fuse (120, 277, 347V) <sup>2</sup>	DBLXD Black
PER5 Five-wire receptacle only (no controls) <sup>6,7</sup>	DF Double fuse (208, 240, 480V) <sup>2</sup>	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) <sup>6,7</sup>	FBZ Flat bezel	DWHXD White
DMG 0-10V dimming driver (no controls)	<b>Shipped separately</b>	DBBTXD Textured dark bronze
PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>8,9</sup>	HS House-side shield <sup>14,15,16</sup>	DBLBXD Textured black
PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>8,9</sup>	BS Bird spikes <sup>14</sup>	DNATXD Textured natural aluminum
PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>8,9</sup>	WG Wireguard <sup>14,16</sup>	DWHGXD Textured white
PIR1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>8,9</sup>		
BL30 Bi-level switched dimming, 30% <sup>10,11</sup>		
BL50 Bi-level switched dimming, 50% <sup>10,11</sup>		
PNMTDD3 Part night, dim till dawn <sup>12</sup>		
PNMT5D3 Part night, dim 5 hrs <sup>12</sup>		
PNMT6D3 Part night, dim 6 hrs <sup>12</sup>		
PNMT7D3 Part night, dim 7 hrs <sup>12</sup>		
FAO Field adjustable output <sup>13</sup>		



## Accessories

Ordered and shipped separately.

### Controls & Shields

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>17</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>17</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>17</sup>
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish) <sup>18</sup>
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) <sup>5</sup>

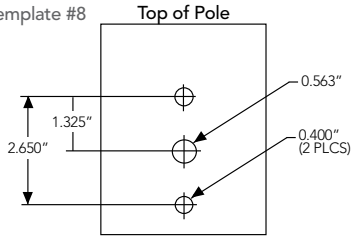
For more control options, visit [DTL](#) and [ROAM](#) online.

### NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only; PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- Reference Motion Sensor table on page 3.
- Reference PER Table on page 3 to see functionality.
- Requires (2) separately switched circuits.
- Not available with 347V, 480V, PNMT. For PER5 or PER7 see PER Table on page 3.
- Not available with 347V, 480V, BL30 and BL50. For PER5 or PER7 see PER Table on page 3. Separate Dusk to Dawn required.
- Not available with other dimming controls options.
- Must be ordered with fixture for factory pre-drilling. Not field installable.
- HS available in black only.
- HS not available with WG option
- Requires luminaire to be specified with PER option. See PER Table.
- For retrofit use only.

## Drilling

Template #8



DSX0 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

<b>DM19AS</b>	Single unit	<b>DM29AS</b>	2 at 90°**
<b>DM28AS</b>	2 at 180°	<b>DM39AS</b>	3 at 90°**
<b>DM49AS</b>	4 at 90°**	<b>DM32AS</b>	3 at 120°**

**Example:** SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's [POLES CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

\*Round pole top must be 3.25" O.D. minimum.

\*\*For round pole mounting (RPA) only.

## Tenon Mounting Slipfitter\*\*

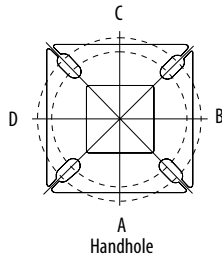
Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320		
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320		
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

## Motion Sensor Default Settings (Any other presets require an RFD)

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
PIR3FC3V or PIRH3FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 3FC	3 sec	5 min	5 min

\*for use with Inline Dusk to Dawn or timer

## HANDHOLE ORIENTATION



## Pole drilling nomenclature: # of heads at degree from handhole (default side A)

DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 280°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D

Note: Review luminaire spec sheet for specific nomenclature

## PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)	
		Wire 4/Wire5	Wire 4/Wire5	Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver Wires Capped inside fixture
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver Wires Capped inside fixture
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver Wires Capped inside fixture
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver Wires Capped inside fixture

✓ Recommended

⊘ Will not work

⚠ Alternate

\*Futureproof means: Ability to change controls in the future.



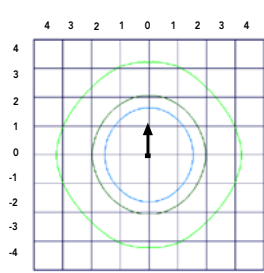
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 0 homepage](#).

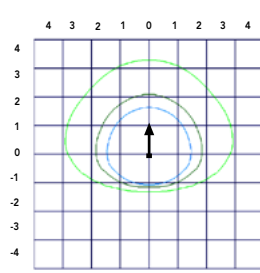
Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').

### LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.

## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
10°C	50°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
40°C	104°F	0.98

### Electrical Load

Number of LEDs	System Watts	Current (A)					
		120	208	240	277	347	480
P1	56	0.48	0.28	0.24	0.22	0.17	0.14
P2	83	0.70	0.40	0.35	0.30	0.25	0.18
P3	116	0.96	0.55	0.48	0.42	0.34	0.24

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX0 LED P1			
	1.0	0.96	0.93	0.86
	DSX0 LED P2			
	1.0	0.96	0.92	0.84
	DSX0 LED P3			
	1.0	0.96	0.90	0.81

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	30K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	56	VLS	5,420	2	0	1	97	5,777	2	0	1	103	5,835	2	0	1	104
		VLS w/ FBZ	5,765	2	0	1	103	6,145	2	0	1	110	6,206	2	0	1	111
P2	83	VLS	7,974	3	0	1	96	8,499	3	0	2	102	8,584	3	0	2	103
		VLS w/ FBZ	8,481	3	0	1	102	9,040	3	0	1	109	9,130	3	0	1	110
P3	116	VLS	10,911	3	0	2	94	11,630	3	0	2	100	11,746	3	0	2	101
		VLS w/ FBZ	11,605	3	0	1	100	12,370	3	0	1	107	12,494	3	0	1	108

---

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (80 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L86/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.





# RHYTHM™

## Linear LED Flood

CATALOG NUMBER	
NOTES	
TYPE	

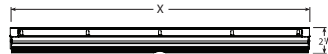
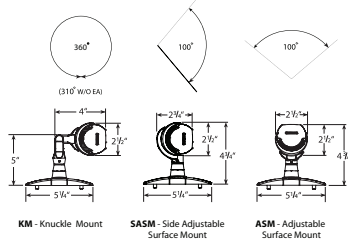
### DESCRIPTION

Hydrel's Rhythm Series is a versatile and distinct LED-based range of linear floodlights, providing designers unlimited options to illuminate and enhance the architecture for interior and exterior applications. Clean, sophisticated lines blend seamlessly with architectural elements and create dramatic washes of light for spectacular effects. Luminaire designs balance day form with function while incorporating the smallest surface mountable power LED's available today. Designed to optimize thermal management, Rhythm luminaires deliver industry best lumen maintenance of 50,000 hours life at 615 mA with 70% lumen maintenance.

#### Specifications

L:	See Diagram To Right
W:	5-1/4" 133 mm
H:	2-1/2" 64 mm

IP66



#### HOUSING

	RHY 2	RHY 3	RHY 4
Actual (X)	24.95" (634)	36.95" (939)	48.95" (1243)

### ORDERING INFORMATION

EXAMPLE: RHY4 SSB R WHT41K MVOLT FL ASM ETE BLA

Model	Power Supply	LED Color	Voltage	Distribution	Mounting <sup>3</sup>	Mounting Options
RHY2	SSBR <sup>1</sup> Surface Box Rhythm	WHT53K White	MVOLT 120-277VAC	NSP Narrow Spot	ASM Adjustable Surface Mount	EARM_ Extended Arm Specify length 6", 12"
RHY3		WHT41K White				
RHY4	BPCA <sup>1,2</sup> Polymeric Combo Box Aluminum Lid BPCB <sup>1,2</sup> Polymeric Combo Box Bronze Lid	WHT30K White		MFL Medium Flood FL Flood WFL Wide Flood WWD Wall Wash Distribution	SASM Side Adjustable Surface Mount KM Knuckle Mount	EASRM_ Extended Arm with Strut 12", 18", 24", 36"
		RED Red				
		GRN Green				
		BLU Blue				
Accessories	Cord Length <sup>4</sup>	Options	Finish	Accent Finish	Listing	
<b>External</b>	<b>From Fixture To Driver</b>	<b>LDIM<sup>5</sup></b> 0-10V Dimming	<b>BLA</b> Black Anodized	<b>Optional</b>	<b>IEC</b> International Electro-technical Commission (only for use in 50Hz applications)	
HVSR Half Visor	CSL20 20' of cord (18 AWG)	ETE End-to-End		RDA Red Accent GNA Green Accent BUA Blue Accent		
FVSR Full Visor						

#### Notes:

- 1 One 60 watt power supply required per 4 foot fixture length
- 2 For ground mount applications only
- 3 Two (2) horizontally adjustable mounting arms provided with RHY2, RHY3, and RHY4.
- 4 All fixtures shipped with 20' cord (18 AWG).
- 5 If LDIM is chosen, SSB, BPCA or BPCB required.



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Rev. 03/29/16  
RHYTHM

**PERFORMANCE DATA**

IP66 

**LUMEN OUTPUT**

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

	System Watts	Distribution	Field Angle		Beam Angle		20K (2000K, 86CRI)		
			°H	°V	°H	°V	Max Cd	Lumens	LPW
3000K 85CRI	57	NSP	23	23	12	12	20044	1350	23
		MFL	70	79	47	60	1343	1240	21
		FL	84	75	68	53	1375	1603	28
		WFL	129	129	104	106	800	1855	32
		WWD	136	92	75	58	1342	1659	29
4100K 70CRI	57	NSP	24	25	14	13	28394	2054	35
		MFL	66	73	47	57	1618	1355	23
		FL	84	75	68	53	2083	2428	42
		WFL	127	128	101	101	1303	2852	49
		WWD	134	90	80	60	1889	2525	44
5300K 70CRI	57	NSP	24	24	13	13	31731	2195	38
		MFL	66	73	48	57	1667	1411	24
		FL	85	75	68	54	2161	2523	44
		WFL	128	128	103	104	1335	3020	52
		WWD	134	88	78	55	2295	2739	47

**Lumen Ambient Temperature (LAT) Multipliers**

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier	
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

**Projected LED Lumen Maintenance**

Data references the extrapolated performance projections for the Fixture platform in a 25°C ambient, based on 8400 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1	0.99	0.98	0.96

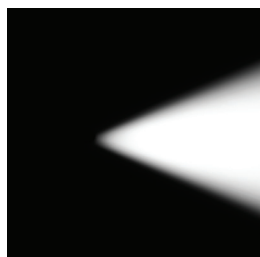
**Electrical Load**

Light Engines	System Watts	Current (A)			
		120	208	240	277
Linear	57	0.48	0.27	0.24	0.21

**PHOTOMETRIC DIAGRAMS**



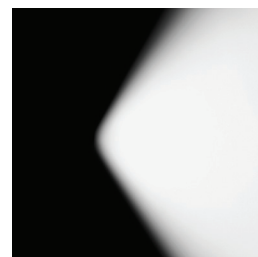
NSP- Narrow Spot



MFL- Medium Flood



FL- Flood



WFL- Wide Flood



WWD - Wall Wash

**FEATURES & SPECIFICATIONS**

**MATERIAL:** Extruded 6063-T4 aluminum with die cast A360 aluminum mounting. All fasteners are stainless steel.

**LENS:** High strength optical grade clear acrylic.

**MOUNTING:** Adjustable Surface Mount (ASM), Side Adjustable Surface Mount (SASM), and Knuckle Mount (KM).

**SOURCE:** Quantity six (6) Rebel™ LED's per linear foot, driven at 615 mA, with maximum power consumption of 13 watts per linear foot. Lumen Maintenance of individual LED light sources have been independently tested to IESNA LM-80 standards.

**NOTE:** LM-80 does not cover measurement of luminaire.

**POWER SUPPLY:** 60W power supply is provided standard with NEMA rated enclosure, and may be remotely located up to 20' (w/ 18AWG). One power supply (60 watts) required for each 4 foot length of fixture. Optional NEMA rated power supplies, rated to IP66, are available for use with the Rhythm.

**CONTROL:** Available with 0-10 volt dimming option. Dimming module mounted in SSBR surface box or BPCA or BPCB ground box.

**VOLTAGE:** MVOLT (120-277V) 50/60Hz.

**OPERATING TEMPERATURE:** -40°C to 50°C

**DISTRIBUTION:** Narrow Spot, Medium Flood, Flood, Wide Flood, and Wall Wash Distribution. All photometry tested to IESNA LM-79 Standards.

**FINISH:** Black anodized extruded aluminum. See order guide for accent color options. Mounting accessories and surface box are polyester powder coat.

**LISTING:** CSA, CSA<sub>US</sub>

**WARRANTY:** 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**NOTE:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

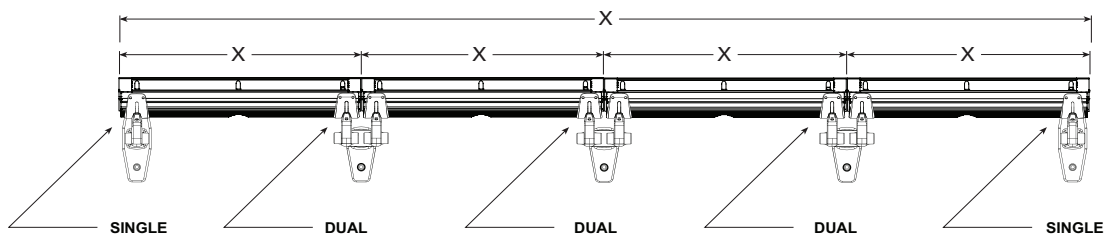


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RHYTHM

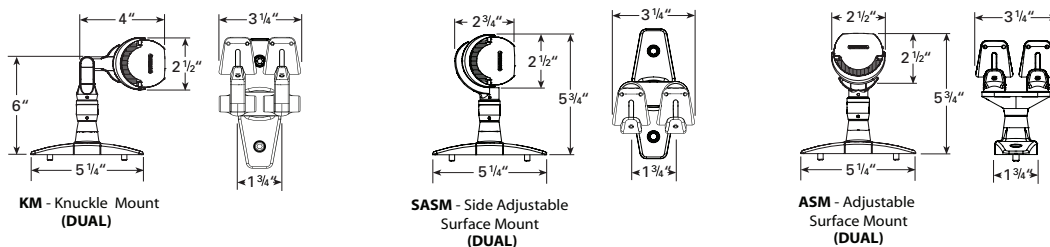


When specifying end-to-end (ETE) option, each luminaire will ship with one single and one dual mounting configuration, ensuring ease of specification and installation everytime.

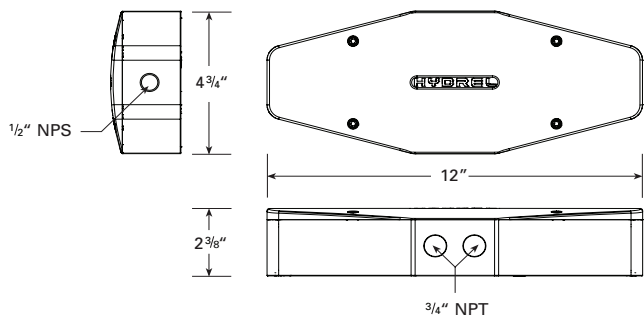


Refer to housing chart on first page for actual lengths.

ETE - DUAL MOUNT DIMENSIONS



NEMA RATED SURFACE BOX (SSBR)



EXAMPLE: SSBR MVOLT BL

**ENCLOSURE CONSTRUCTION:** Designed to marry the day-form of the Rhythm wall mount plate, the SSBR power supply enclosure is a wet location housing suitable for surface mounting. The SSBR box is available with side conduit entries or standard with back mounting over recessed splice box.

**MATERIAL:** Copper-free cast aluminum A360. All aluminum materials treated prior to anodizing.

**FINISH:** Black powder coat

**CONSTANT VOLTAGE:** 12 Volt DC Calibrated for 5 amps output.

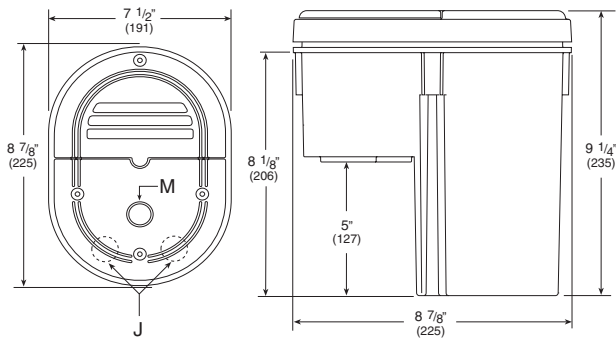
**FASTENERS:** Stainless steel tamper resistant

**LISTING:** CSA, CSA<sub>US</sub>

**WARRANTY:** 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**NOTE:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

# BPCA/BPCB BIG POLYMERIC COMBO BOX



## DESCRIPTION

The Big Polymeric Combo Box is a recessed housing which encloses the ballast used for operating an HID lighting fixture. The Combination Box includes a junction box, ballast housing and anti-wicking chamber designed to prevent water entry from the conduit housing to the ballast housing. The junction box and ballast housing are completely pre-wired with interconnecting leads which are terminated and embedded in high temperature sealing compound.

EXAMPLE: BPCA 60LED MVOLT 34J

## FEATURES & SPECIFICATIONS

**MATERIAL:** Box: Polymeric Composite.

BPCA lid: aluminum; BPCB lid: bronze.

**Driver TYPES:** LED 60 watt, constant voltage.

**VOLTAGE:** Mvolt

**CONDUIT ENTRIES:** Two at "J" locations in bottom.

**LISTING:** U.L., C.U.L.

**WARRANTY:** 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**NOTE:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.