

ADDENDUM NO. 1

Herz-Rose Park



PROJECT NAME: Herz Rose Park

PROJECT NUMBER: LSDG #23-005

DATE: 08/08/2024

LOCATION: 1515 Locust St. Terre Haute, IN 47807

PREPARED BY: Luke Waltz

EMAIL: luke@LSindy.com

PHONE: 765.592.4143

THIS LETTER CONSTITUTES ADDENDUM NO. 1

The information contained in this addendum shall become a part of the basic plans and specifications, the same as is originally incorporated therein. The original plans and specifications shall remain in their entirety, except as modified by the Addendum. The items herein shall supersede the information in each of the specifications and plans.

The proposed contract documents for this work are modified as follows:


- Item #1 The owner is extending the bid date by two weeks to align with the next Board of Public Works meeting. Bids are now due on August 26th at 9am. Additional questions may be asked until Friday August 9th at 12pm (noon). Addendum #2 will be issued on Thursday August 15th by 5pm.
- Item #2 Electrical subcontractors should coordinate network/IT service setup with owner and service provider, Joink.
- Item #3 As-built drawings for the underground utilities are required.
- Item #4 The playground hill slope and Embankment slide detail were updated (See **Sheet CG.01 & Sheet CS.01, Sheet CS.04**).
- Item #5 Artist will issue engineered drawings for sculpture installation and concrete foundations as part of a supplementary Issued For Construction (IFC) project to the awarded contractor. This scope includes constructing the art foundations and erecting the arches. Foundations are anticipated to be as follows: (2 count) concrete foundations at a size of 18" (width) x 36" (depth) x (7'-9" length); (8 count) concrete foundations at a size of 18" (width) x 36" (depth) x (5'-8" length).
- Item #6 Existing Conditions & Demolition Plan annotation #1 and 11 were updated (See **Sheet CD.00**).
- Item #8 Quality Control Testing Services will be provided by the Contractor. Furnish results to Owner.
- Item #9 Architectural pigmented concrete at splash pad was updated. (See **Sheet CS.00**) and Project Manual **Specification 033301-5**).
- Item #10 Fiber optic cable to be installed per the local code, contractor is responsible to coordinate with the service provider on installation.
- Item #11 Emergency station/post will be provided and installed by contractor per plans, city will coordination with emergency response for operation.
- Item #12 Bobrick B770 is the provided hand dryer in General Note A and on Sheet EE.09
- Item #13 Roof decking shall consist of 2" x 6" nominal #1 SYP single T&G with a V-joint, per Cedar

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- Forest Products drawings on Sheet AR.09.
- Item #14 Removed typo (Project Manual **Supplemental General Conditions Page 1 of 5**).
- Item #15 K-Style gutters and downspouts (4) to be provided by contractor along 92' North and South length of building roof. (See **Sheet AR.00**)
- Item #16 (RD) Sub-Surface PVC Roof drains to be provided by contractor. (See **Sheet CU.00**)
- Item #17 Exterior building stain and Perma-Chink is required, interior stain is optional but not necessary to seal. Products to be sourced by contractor. **See attached cutsheet.**
- Item #18 The owner is responsible for state permit & associated fees.
- Item #19 Park entrance signage will be installed by owner.
- Item #20 Welded wire mesh 6x6 should be used per plans.
- Item #21 Overhead doors are not provided by CFP. To be sourced by per specification 083600. Product equal has been approved as: C.H.I. Overhead door, Product # 3295 in anodized color 1/8" insulated glass with the guide tracks following pitch of the roof. **Approved equal attached.**
- Item #22 Boardwalk detail updated (See **Sheet CS.05**).
- Item #23 Additional responses from MEP are attached.


RFI REVIEW		
SDA Project No.: 2023123	Reviewer: JAK	Date Received: 08/02/24
RFI#: R#: 1672	Return To: Luke Waltz/LSDG	Date Returned: 08/07/2024
Project Name: Herz Rose Park	 SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY <small>ENGINEER'S REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THIS INFORMATION IN THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOR DEPARTURES THEREFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES, DIMENSIONS, WEIGHTS, AND GAUGES, FOR COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, FOR SELECTING FABRICATION PROCESS AND CONSTRUCTION METHODS, FOR TECHNIQUES OF ASSEMBLY CONSTRUCTION SAFETY PRECAUTION FOR PERFORMING HIS WORK IN A SATISFACTORY MANNER. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE ACCEPTANCE OF AN ASSEMBLY OF WHICH THIS IS A COMPONENT.</small>	
Equipment/Material Description: Items # 2 & #4		
Notes:		

A. Contractor Questions:

2. The emergency station / post, provided by whom, preferred brand, cat 6 or cellular?
4. No division 27 & 28 specifications?

B. Engineer Replies:

2. The emergency station/post is intended to be a RATH-JANUS 9-foot Tower Phone model 2100-TPC, connected, 120V (not solar), cellular communications, with Dusk2Dawn battery backup. It should be provided by the electrical contractor. This will be shown on amended construction drawings to follow.
4. Since this is very small networking scope job, we usually do not include full division 27 & 28 specs. We have found that most electrical contractors are familiar and have their own networking folks or subcontract a network/IT sub who is capable and knowledgeable. If needed though, we will pull together a subset of division 27 & 28 specs to be provided with amended construction drawings which will follow.

RFI REVIEW		
SDA Project No.: 2023123	Reviewer: AGU	Date Received: 08/06/24
RFI#: R#: 1674	Return To: Luke Waltz/LSDG	Date Returned: 08/06/24
Project Name: Herz-Rose Park		 SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY ENGINEER'S REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THIS INFORMATION IN THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOR DEPARTURES THEREFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES, DIMENSIONS, WEIGHTS, AND GAUGES, FOR COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, FOR SELECTING FABRICATION PROCESS AND CONSTRUCTION METHODS, FOR TECHNIQUES OF ASSEMBLY CONSTRUCTION SAFETY PRECAUTION FOR PERFORMING HIS WORK IN A SATISFACTORY MANNER. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE ACCEPTANCE OF AN ASSEMBLY OF WHICH THIS IS A COMPONENT.
Equipment/Material Description: Fiber Cable Sizes		
Notes:		

A. Contractor Questions:

- 1- Can we get clarification on EC responsibility on low voltage work including fiber, cameras, access control?
- 3- If we are to install Cat 6 cable, is conduit required or can it be free air above ceilings and in walls?
- 2- Is MC cable acceptable above ceilings and in walls?

B. Engineer Replies:

1. EC is to be responsible for the installation of all low voltage work including fiber, cameras and access control. All low voltage work is to be overseen by a registered RCDD. A registered low voltage contractor can be subcontracted by the EC if the low voltage contractor is licensed and qualified to provide, install and setup all systems identified.
2. All Cat 6 UTP cable drops designated on the drawings are to be provided with a 4"sq metal box with a single gang 5/8"raised mud ring and is to be stubbed up the walls above the ceiling with 3/4" EMT and terminated with a plastic 3/4" grommet. All Cat 6 UTP cable shall be either CMR or CMP depending on the above ceiling environment and properly supported to BICSI standards.
3. Yes, MC cable will be acceptable above the recessed ceiling and properly supported according to NEC guidelines. Exposed ceiling areas will be EMT conduit only and MC will not be permitted.

SUPPLEMENTAL GENERAL CONDITIONS

1. COPIES OF DOCUMENTS,

2. INSURANCE AND BONDS, ADD THE FOLLOWING PARAGRAPHS:

- A. The Contractor shall not commence work under this contract until he has obtained all insurance required by these specifications and until such insurance has been approved by the Owner, nor shall the Contractor allow any Subcontractor to commence work on his subcontract until all similar insurance required of the Subcontractor has been obtained and approved. Policies expiring on a fixed date before final acceptance of the project must be renewed and evidence of such renewal submitted to the Owner before such date.
- B. The Contractor shall furnish the Owner with satisfactory evidence of the insurance required.
- C. All policies and/or policy certificates shall contain the following clauses:
 - 1. Worker's Compensation Insurance: The Contractor shall maintain during the life of this contract Worker's Compensation Insurance for all employees employed at the site of the project, and, in case any work is sublet, the Contractor must require the Subcontractor similarly to provide Worker's Compensation Insurance for all of his employees engaged in work under this contract at the site of the project. The Contractor shall provide insurance coverage equal to that provided under the Worker's Compensation Act, for the protection of his employees not otherwise protected. Employer's liability coverage must be maintained in amount not less than \$100,000/\$500,000/\$100,000.
 - 2. Public Liability Property Damage: The Contractor shall maintain during the life of this contract Commercial General Liability Insurance. Such coverage shall protect him and any Subcontractor performing work covered by this contract, from claims for damages for personal injury, including accidental death, as well as from claims for property damages, which may arise from operations under this contract, whether such operations be by himself or by any Subcontractor or by anyone directly or indirectly employed by either of them and the amounts of such insurance shall be as follows:

Commercial General Liability Insurance in an amount not less than \$1,000,000 per occurrence for Bodily Injury, Property Damage, Personal and Advertising Injury with a \$1,000,000 General Aggregate and a \$1,000,000 Products and Completed Operations Aggregate.

The Contractor shall require all of its Subcontractors, if not protected under Contractor's insurance policies, to effect and maintain, at their own expense during the entire period of performance and until completion of the subcontract, Commercial General Liability Insurance with a company or companies to the satisfaction of the Owner as follows:

- B. Chemical Admixtures: Provide admixtures certified by manufacturer to be compatible with other admixtures and that will not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.
- C. Color Pigment: ASTM C 979, synthetic mineral-oxide pigments or colored water-reducing admixtures; color stable, free of carbon black, nonfading, and resistant to lime and other alkalis.
 - 1. Color: Grace Hydrotint "Pewter"

2.5 CURING MATERIALS

- A. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. when dry.
- B. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.
- C. Waterborne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B.
 - 1. For integrally colored concrete, curing compound shall be pigmented type approved by color pigment manufacturer.
 - 2. For concrete indicated to be sealed, curing compound shall be compatible with sealer.

2.6 REPAIR MATERIALS

- A. Bonding Agent: ASTM C 1059/C 1059M, Type II, nonredispersible, acrylic emulsion or styrene butadiene.
- B. Epoxy Bonding Adhesive: ASTM C 881/C 881M, two-component epoxy resin, capable of humid curing and bonding to damp surfaces, of class suitable for application temperature and of grade to suit requirements.
 - 1. Types IV and V, load bearing, for bonding hardened or freshly mixed concrete to hardened concrete.

2.7 CONCRETE MIXTURES, GENERAL

- A. Prepare design mixtures for each type and strength of cast-in-place architectural concrete proportioned on basis of laboratory trial mixture or field test data, or both, according to ACI 301.
 - 1. Comply with Division 03 Section "Cast-In-Place Concrete" for concrete mixes.
- B. Cementitious Materials: For cast-in-place architectural concrete exposed to deicers, limit percentage, by weight, of cementitious materials other than portland cement according to ACI 301 requirements.
- C. Admixtures: Use admixtures according to manufacturer's written instructions.

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
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PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

MEP
SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
4600 Hwy. 123
San Marcos, TX, 78666
p 770.366.3302

CERTIFIED BY:



07-08-2024

100% BID DOCUMENTS

NO.	REVISION	DATE
1	ADDENDUM #1 SHEET REISSUE	08.08.2024
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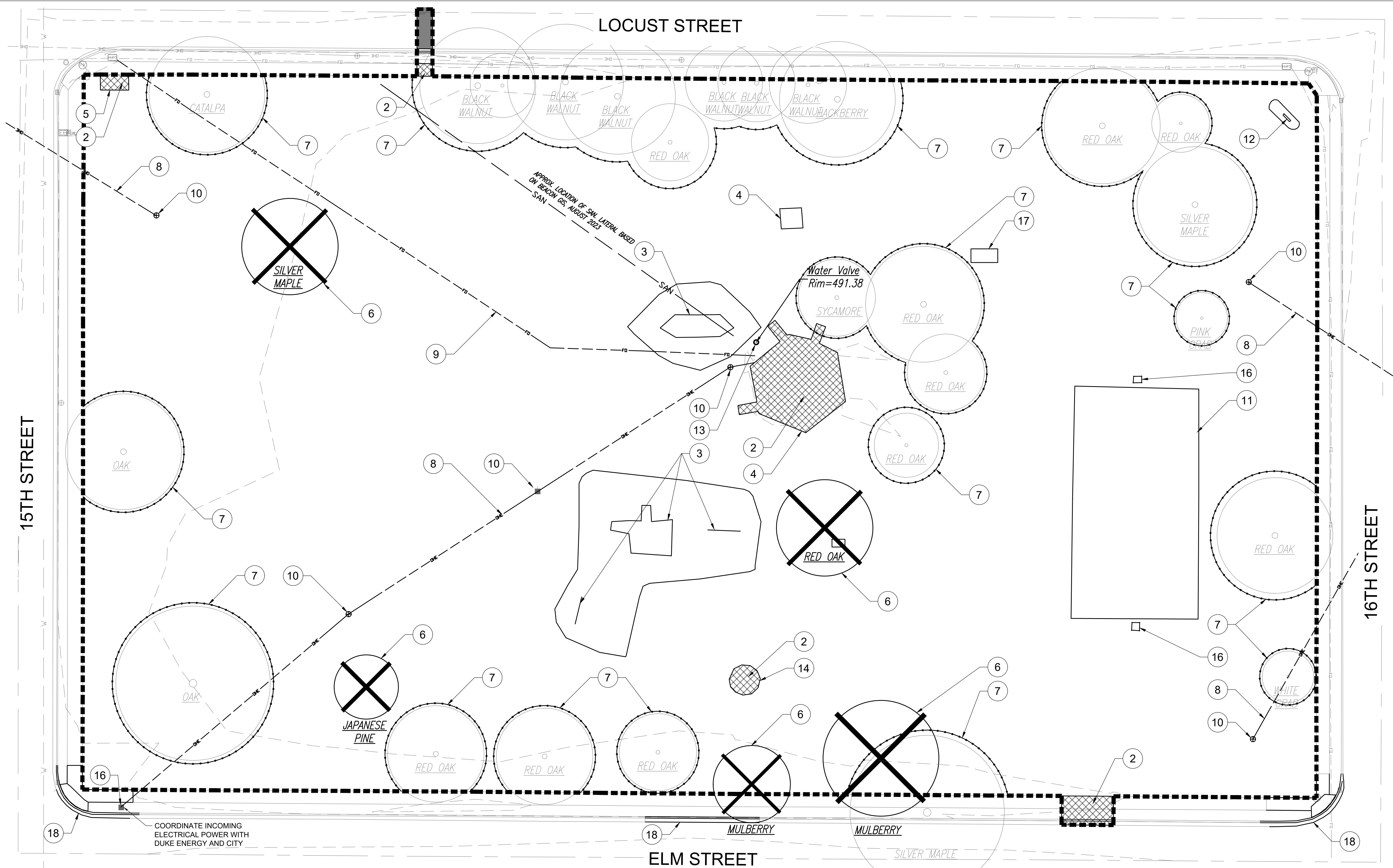
ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME

**EXISTING CONDITIONS
& DEMOLITION PLAN**
SHEET NUMBER

CD.00



1 EXISTING CONDITIONS & DEMOLITION PLAN SCALE: 1" = 20'-0"

EXISTING CONDITIONS & DEMOLITION PLAN NOTES

- THE CITY OF TERRE HAUTE INTENDS TO SELF-PERFORM ALL DEMOLITION AND PRELIMINARY UTILITY ROUTING UNLESS OTHERWISE SPECIFIED.
- IN AREAS WHERE PAVING OR CONCRETE SLABS ARE BEING REMOVED AND LAWN OR PLANTING AREAS ARE PROPOSED, CONTRACTOR SHALL EXCAVATE TO SUBGRADE MATERIAL. CONTRACTOR SHALL DISPOSE OF EXCAVATED MATERIAL. CONTRACTOR SHALL DISPOSE OF EXCAVATED MATERIAL OFF-SITE AT APPROVED DISPOSAL SITES ONLY, UNLESS SHOWN OTHERWISE. REMOVAL OF EXISTING CONCRETE AND ASPHALT PAVEMENT INDICATED ON PLANS SHALL INCLUDE ALL AGGREGATE BASE AND SUBGRADE MATERIALS. SAWCUT ALL EXISTING PAVED AREAS TO BE REMOVED. ALL CUTS SHALL BE CLEAN, NEAT AND TRUE TO LINE. WHERE PLANT MATERIAL IS PROPOSED TO REPLACE REMOVED CONCRETE AND ASPHALT, CONTRACTOR SHALL REMOVE ALL NON-ORGANIC OR TOXIC MATTER THAT WOULD INTERFERE WITH PROPOSED PLANT MATERIAL.
- ALL UNDERGROUND UTILITIES OR STRUCTURES IN PROPOSED PAVEMENT OR BUILDING AREAS REQUIRING REMOVAL SHALL BE BACKFILLED COMPLETELY WITH APPROVED ENGINEERED GRANULAR MATERIAL SUITABLE TO THE LANDSCAPE DESIGNER/CIVIL ENGINEER.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS IN A LEGAL MANNER.
- CATCH BASINS, SEWER INLETS, ETC. ARE TO BE PROTECTED FROM DEBRIS AND SEDIMENTATION DURING DEMOLITION. INSTALL FILTER FABRIC UNDER ANY INLET CASTINGS ON OR OFF SITE THAT RECEIVE STORM WATER FROM THE SITE BEFORE ANY DEMOLITION OR EARTHWORK ACTIVITIES COMMENCE.
- IF ANY DISCREPANCIES OCCUR BETWEEN CONSTRUCTION DOCUMENTS AND SITE CONDITION DURING DEMOLITION, CONTACT ARCHITECT/ENGINEER IMMEDIATELY.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE, VERIFY, AND PROTECT ALL EXISTING UTILITIES WITHIN THE PROJECT AREA.
- STORMWATER BMPS MUST BE INSTALLED PRIOR TO ANY DEMO WORK ONSITE.
- ALL DISTURBED AREAS TO RECEIVE GRASS SEED.



EXISTING CONDITIONS & DEMOLITION PLAN KEYNOTES & LEGEND

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|---|---|----|--|
| 1 | PROJECT LIMITS & CONSTRUCTION SECURITY FENCE AS NEEDED | 10 | REMOVE EXISTING LIGHT OR POWER POLE, COORDINATE WITH UTILITY COMPANY |
| 2 | REMOVE EXISTING CONCRETE | 11 | EXISTING CONCRETE TO BE REMOVED BY OWNER |
| 3 | REMOVE EXISTING PLAYGROUND FEATURES, FOUNDATIONS, SURFACES AND MATERIALS, STORE PER CLIENT | 12 | REMOVE EXISTING PARK ENTRANCE SIGN AND FOUNDATION |
| 4 | REMOVE EXISTING PICNIC SHELTER AND FOUNDATIONS AND STORE FOR REUSE, COORDINATE STORAGE LOCATION WITH CLIENT | 13 | REMOVE AND RELOCATE WATER MAIN, SEE UTILITIES PLAN |
| 5 | REMOVE AND RELOCATE BUS SHELTER, BY CLIENT | 14 | REMOVE BICYCLE RACK, STORE PER CLIENT |
| 6 | REMOVE EXISTING TREE TRUNK AND ROOT BALL | 15 | REMOVE BASKETBALL GOAL POSTS, STORE PER CLIENT |
| 7 | PROTECT EXISTING TREE TO REMAIN, APPLY TREE PROTECTION, SEE DETAIL 1 - SHEET LP.03 | 16 | EXISTING POWER POLE TO REMAIN |
| 8 | REMOVE EXISTING OVERHEAD ELECTRICAL LINES, COORDINATE WITH UTILITY COMPANY | 17 | REMOVE AND RELOCATE SHELTER BENCH, SEE SHEET CS.00 |
| 9 | RELOCATED EXISTING FIBER OPTIC LINE, COORDINATE WITH UTILITY COMPANY | 18 | ELM ST. CURB IMPROVEMENTS ARE PROPOSED FUTURE CITY PROJECT NOT INCLUDED IN THIS WORK. MATCH EXISTING CONDITIONS AS NEEDED. COORDINATE WITH CITY ENGINEER, MARCUS MAURER FOR MORE INFO. |

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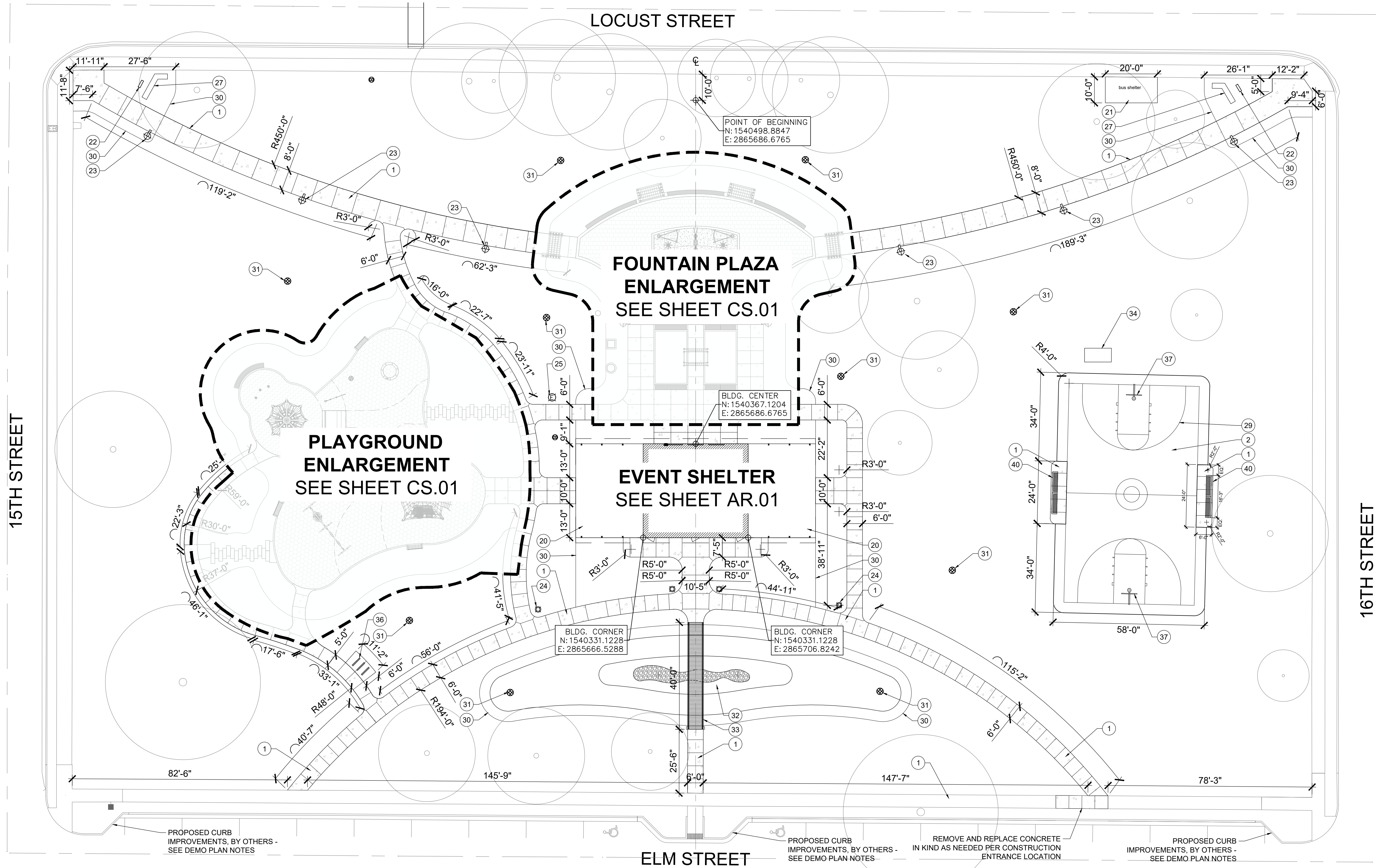
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SHEET NAME

**OVERALL
SITE PLAN**
SHEET NUMBER

CS.00



1 OVERALL SITE PLAN SCALE: 1" = 20'-0"

SITE PLAN NOTES

- ALL DIMENSIONS SHOWN ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS. UTILIZE DIMENSIONS INDICATED ON THE PLANS.
- ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT, FACE OF WALL, OR FACE OF CURB UNLESS OTHERWISE NOTED.
- WALKWAYS AND HARDSCAPE ELEMENTS INDICATED AS CURVILINEAR SHALL HAVE SMOOTH CONTINUOUS CURVES.
- UNLESS INDICATED OTHERWISE, ALL WALKWAYS ABUT AT 90 DEGREE ANGLES.
- ALL CONCRETE CORING SHALL BE PARALLEL, PERPENDICULAR, OR TANGENT TO ADJACENT IMPROVEMENTS UNLESS OTHERWISE NOTED.
- PROVIDE ISOLATION JOINTS WHERE CONCRETE PAVING OR PAVING BASE MEETS A FIXED STRUCTURE (EXISTING AND PROPOSED).
- PROVIDE FLUSH CONDITIONS AT JUNCTURE OF ALL WALKWAYS.
- CONTROL JOINTS SHALL BE EQUALLY DISTRIBUTED ACROSS CONCRETE SURFACE AND SPACED 5 FOOT APART MAX, AS INDICATED ON DRAWINGS.

SITE PLAN KEYNOTES & LEGEND

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|----|--|----|--|----|--|
| 1 | CONCRETE, SEE DETAIL 1 - SHEET CS.02 | 23 | PATHWAY LIGHT, SEE SEE ELECTRICAL PLANS | 35 | TRASH RECEPTACLE, SEE DETAIL 2 - SHEET CS.03 |
| 2 | ACRYLIC COATED ASPHALT COURT, SEE DETAIL 9 - SHEET CS.02 | 24 | BOLLARD/PEDESTRIAN LIGHT, SEE ELECTRICAL PLANS | 36 | BIKE RACK, SEE DETAIL 3 - SHEET CS.03 |
| 3 | PAVERS ON CONCRETE BASE, SEE DETAIL 7.8 - SHEET CS.02 | 25 | EMERGENCY PEDESTAL, SEE ELECTRICAL PLANS | 37 | BASKETBALL GOAL, SEE DETAIL 15 - SHEET CS.04 |
| 4 | POURED-IN-PLACE PLAY SURFACING, SEE DETAILS 1,16 - SHEET CS.04 | 26 | POWER RECEPTACLE, SEE ELECTRICAL PLANS | 38 | BENCH TYPE 1, SEE DETAIL 1 - SHEET CS.03 |
| 5 | SYNTHETIC ARTIFICIAL TURF, SEE DETAIL 2 - SHEET CS.04 | 27 | PARK ENTRANCE SIGNAGE, BY OWNER (FUTURE) | 39 | BENCH TYPE 2, SEE DETAIL 4 - SHEET CS.03 |
| 6 | ARCHITECTURAL CONCRETE, SEE SPECIFICATIONS | 28 | PARK RULES SIGNAGE, BY OWNER (FUTURE) | 40 | BENCH TYPE 3, SEE DETAIL 5 - SHEET CS.03 |
| 7 | FOUNTAIN AND FOUNTAIN VAULT, SEE FOUNTAIN PLANS | 29 | BASKETBALL COURT STRIPING, SEE DETAIL 14 - SHEET CS.04 | | |
| 8 | FLUSH CONCRETE CURB, SEE DETAIL 4 - SHEET CS.02 | 30 | SPADE LANDSCAPE BED EDGE | | |
| 9 | C.I.P. CONCRETE CURB, SEE DETAIL 5 - SHEET CS.02 | 31 | DRAIN INLET, SEE SHEET CU.00 | | |
| 10 | EVENT SHELTER, SEE SHELTER PLANS | 32 | BIOSWALE, SEE DETAIL 10 - SHEET LP.03 | | |
| 11 | RELOCATED BUS SHELTER, BY OWNER | 33 | WOODEN BOARDWALK, SEE DETAIL 3 - SHEET CS.05 | | |
| 12 | LINEAR LIGHT AT ENTRY SIGN, SEE ELECTRICAL PLANS | 34 | RELOCATED SHELTER BENCH | | |

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KEYMAP:

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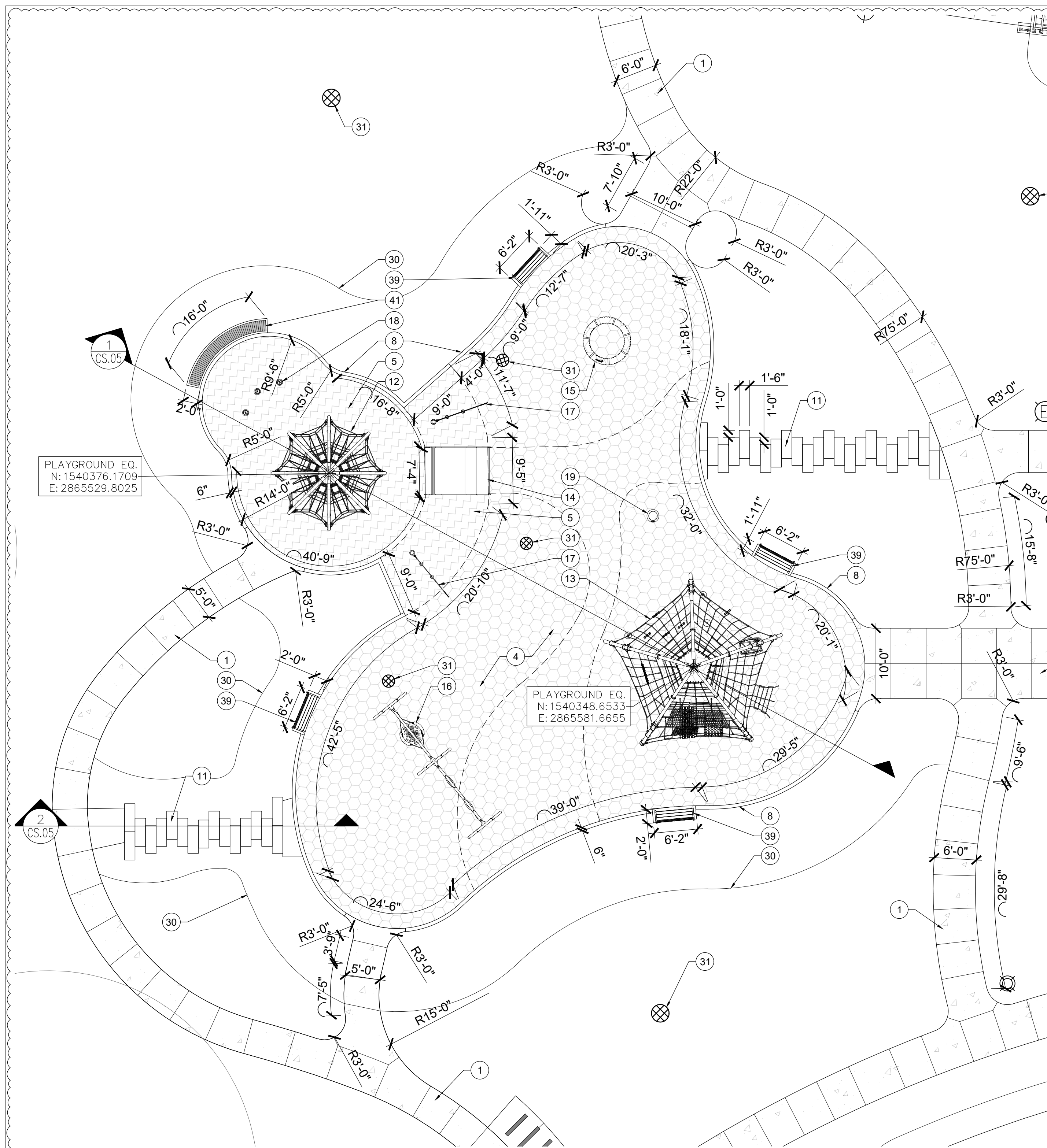
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SHEET NAME

SITE PLAN ENLARGEMENTS

SHEET NUMBER

CS.01



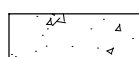

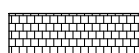

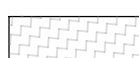

1 SITE PLAYGROUND ENLARGEMENT

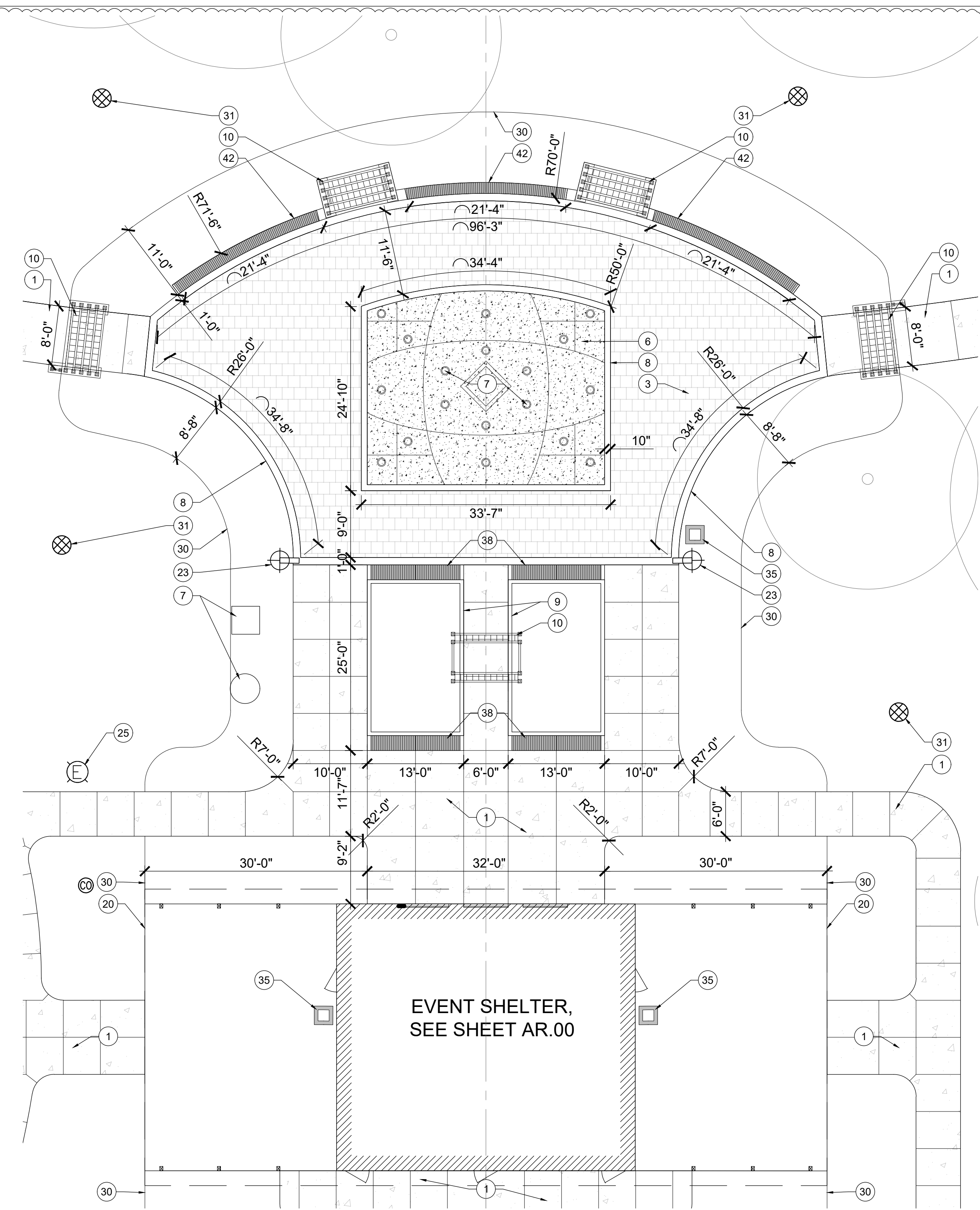
SITE PLAN NOTES

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4. WALKWAYS AND HARDSCAPE ELEMENTS INDICATED AS CURVILINEAR SHALL HAVE SMOOTH CONTINUOUS CURVES.
5. UNLESS INDICATED OTHERWISE, ALL WALKWAYS ABUT AT 90 DEGREE ANGLES.
6. ALL CONCRETE CORING SHALL BE PARALLEL, PERPENDICULAR, OR TANGENT TO ADJACENT IMPROVEMENTS UNLESS OTHERWISE NOTED.
7. PROVIDE ISOLATION JOINTS WHERE CONCRETE PAVING OR PAVING BASE MEETS A FIXED STRUCTURE (EXISTING AND PROPOSED).
8. PROVIDE FLUSH CONDITIONS AT JUNCTURE OF ALL WALKWAYS.
9. CONTROL JOINTS SHALL BE EQUALLY DISTRIBUTED ACROSS CONCRETE SURFACE AND SPACED 5 FOOT APART MAX. AS INDICATED ON DRAWINGS.



SITE PLAN KEYNOTES & LEGEND

	① CONCRETE, BROOM FINISH, SEE DETAIL 1 - SHEET CS.02
	② ASPHALT, SEE DETAIL 9 - SHEET CS.02
	③ PAVERS ON CONCRETE BASE, SEE DETAIL 7,8 - SHEET CS.02
	④ POURED-IN-PLACE PLAY SURFACING, SEE DETAILS 1,16 - SHEET CS.04
	⑤ SYNTHETIC ARTIFICIAL TURF, SEE DETAIL 2 - SHEET CS.04
	⑥ ARCHITECTURAL CONCRETE, SEE SPECIFICATIONS
	⑦ FOUNTAIN AND FOUNTAIN VAULT, SEE FOUNTAIN PLANS
	⑧ FLUSH CONCRETE CURB, SEE DETAIL 4 - SHEET CS.02
	⑨ C.I.P. CONCRETE CURB, SEE DETAIL 5 - SHEET CS.02
	⑩ ART SCULPTURES, SEE SCULPTURE PLANS
	⑪ LIMESTONE STEPPING STONES, SEE DETAIL 2 - SHEET CS.05
	⑫ CRYSTAL SPHERE, SEE DETAIL 11 - SHEET CS.04
	⑬ SENSORY DOME, SEE DETAIL 7 - SHEET CS.04
	⑭ EMBANKMENT SLIDE, SEE DETAIL 8 - SHEET CS.04



2 SITE PLAZA ENLARGEMENT

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| <ul style="list-style-type: none"> 15 SUPER NOVA, SEE DETAIL 9 - SHEET CS.04 16 3 SEAT SWING, SEE DETAIL 13 - SHEET CS.04 17 HILL CLIMBER, SEE DETAIL 12 - SHEET CS.04 18 STEPPING PODS, SEE DETAILS 5.6 - SHEET CS.04 19 SPINNER BOWL, SEE DETAIL 10 - SHEET CS.04 20 EVENT SHELTER, SEE SHELTER PLANS 21 RELOCATED BUS SHELTER, BY OWNER 22 LINEAR LIGHT AT ENTRY SIGN, SEE ELECTRICAL PLANS 23 PATHWAY LIGHT, SEE SEE ELECTRICAL PLANS 24 BOLLARD/PEDESTRIAN LIGHT, SEE ELECTRICAL PLANS 25 EMERGENCY PEDESTAL, SEE ELECTRICAL PLANS 26 POWER RECEPTACLE, SEE ELECTRICAL PLANS 27 PARK ENTRANCE SIGNAGE, BY OWNER (FUTURE) 28 PARK RULES SIGNAGE, BY OWNER (FUTURE) | <ul style="list-style-type: none"> 29 BASKETBALL COURT STRIPING, SEE DETAIL 14 - SHEET CS.04 30 SPADE LANDSCAPE BED EDGE 31 DRAIN INLET, SEE SHEET CU.00 32 BIOSWALE, SEE DETAIL 10 - SHEET LP.03 33 WOODEN BOARDWALK, SEE DETAIL 3 - SHEET CS.05 34 RELOCATED SHELTER BENCH 35 TRASH RECEPTACLE, SEE DETAIL 2 - SHEET CS.03 36 BIKE RACK, SEE DETAIL 3 - SHEET CS.03 37 BASKETBALL GOAL, SEE DETAIL 15 - SHEET CS.04 38 BENCH TYPE 1, SEE DETAIL 1 - SHEET CS.03 39 BENCH TYPE 2, SEE DETAIL 4 - SHEET CS.03 40 BENCH TYPE 3, SEE DETAIL 5 - SHEET CS.03 41 ARC BENCH TYPE 1, SEE DETAIL 6 - SHEET CS.03 42 ARC BENCH TYPE 2, SEE DETAIL 7 - SHEET CS.03 |
|--|---|

CLIENT / OWNER
CITY OF TERRE HAUTE

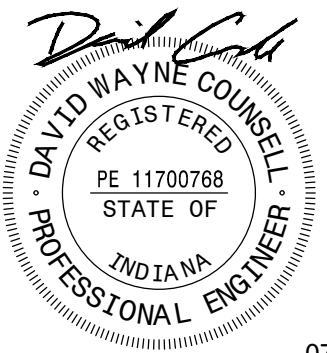
PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
47807

MEP
SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN 46278-1755
p 317.209.4035

SPLASH PAD
FOUNTAIN PEOPLE
4600 Hwy. 123
San Marcos, TX 78666
p 770.366.3302

CERTIFIED BY:



07-08-2024

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NO.	REVISION	DATE
△	ADDENDUM #1 SHEET REISSUE	08.08.2024
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KEYMAP:

ISSUE DATE
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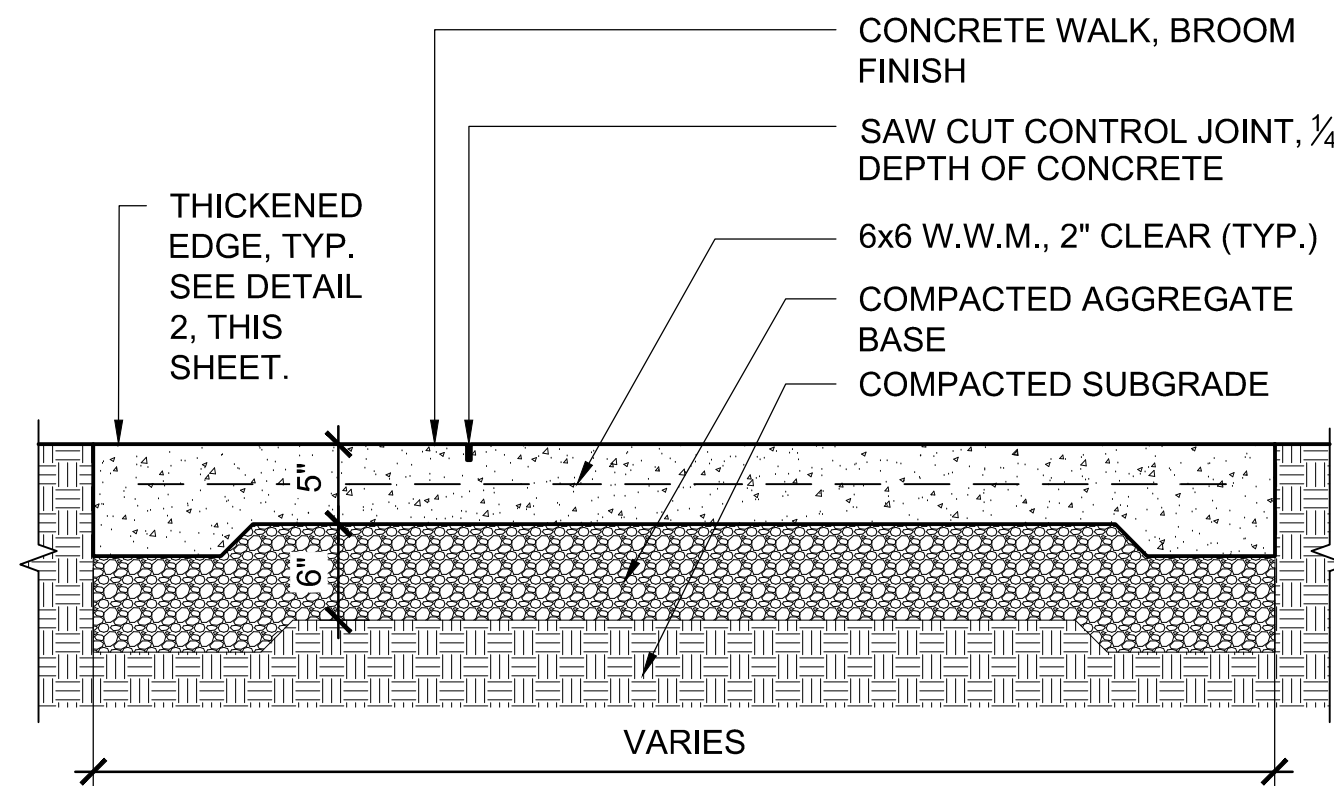
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23-005

SHEET NAME

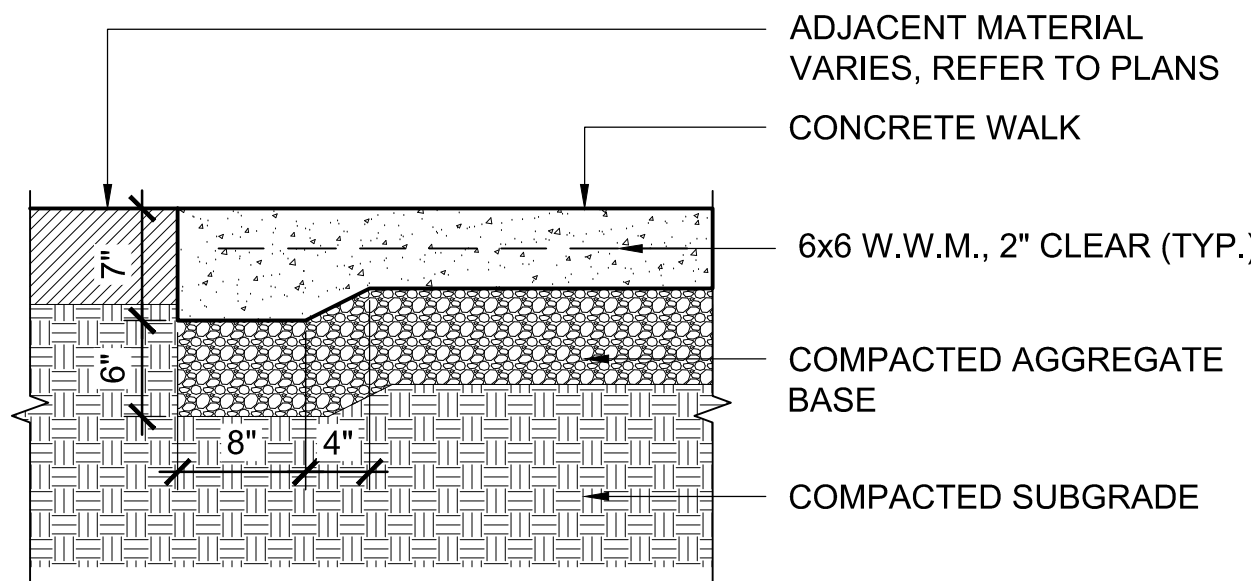
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SHEET NUMBER

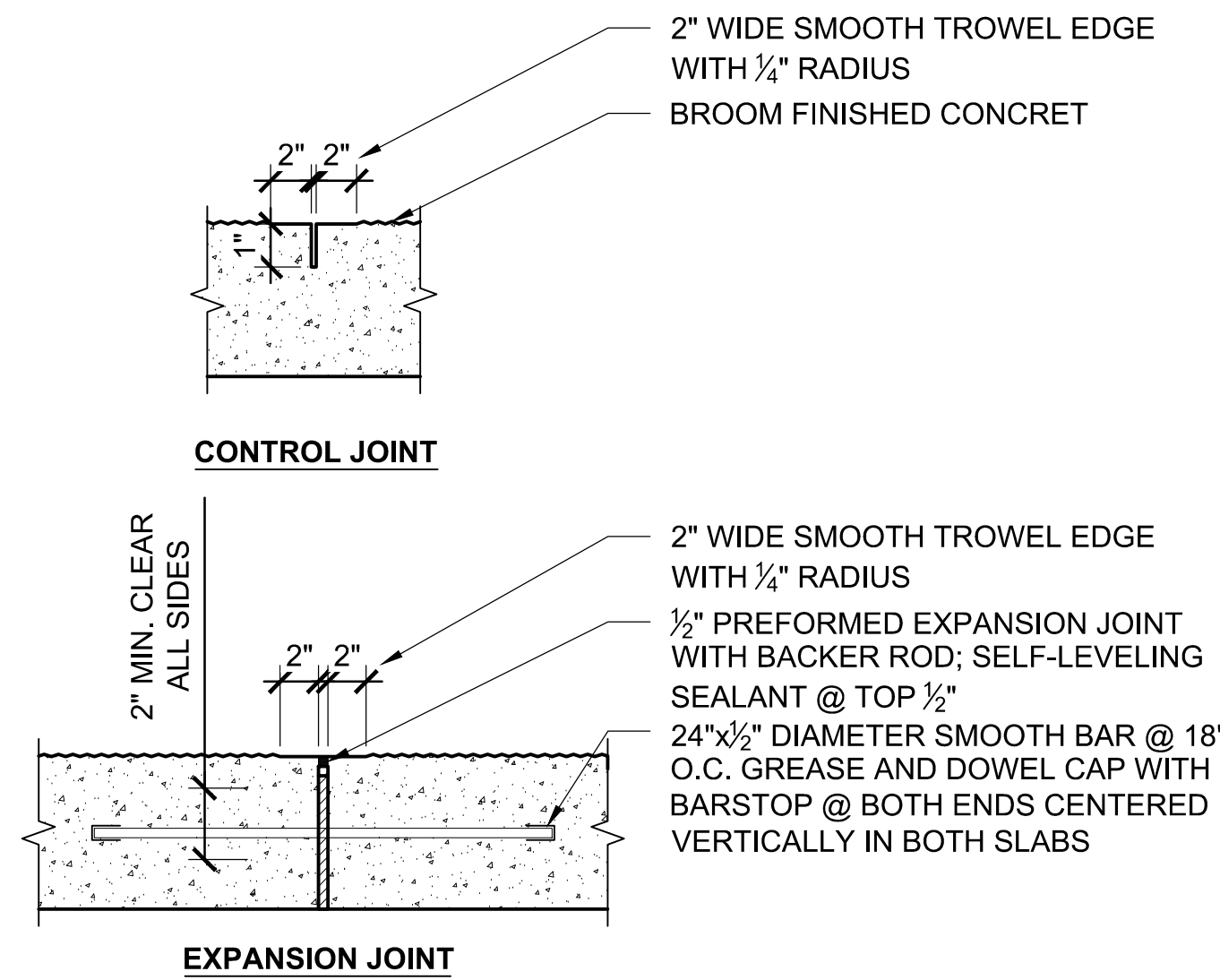
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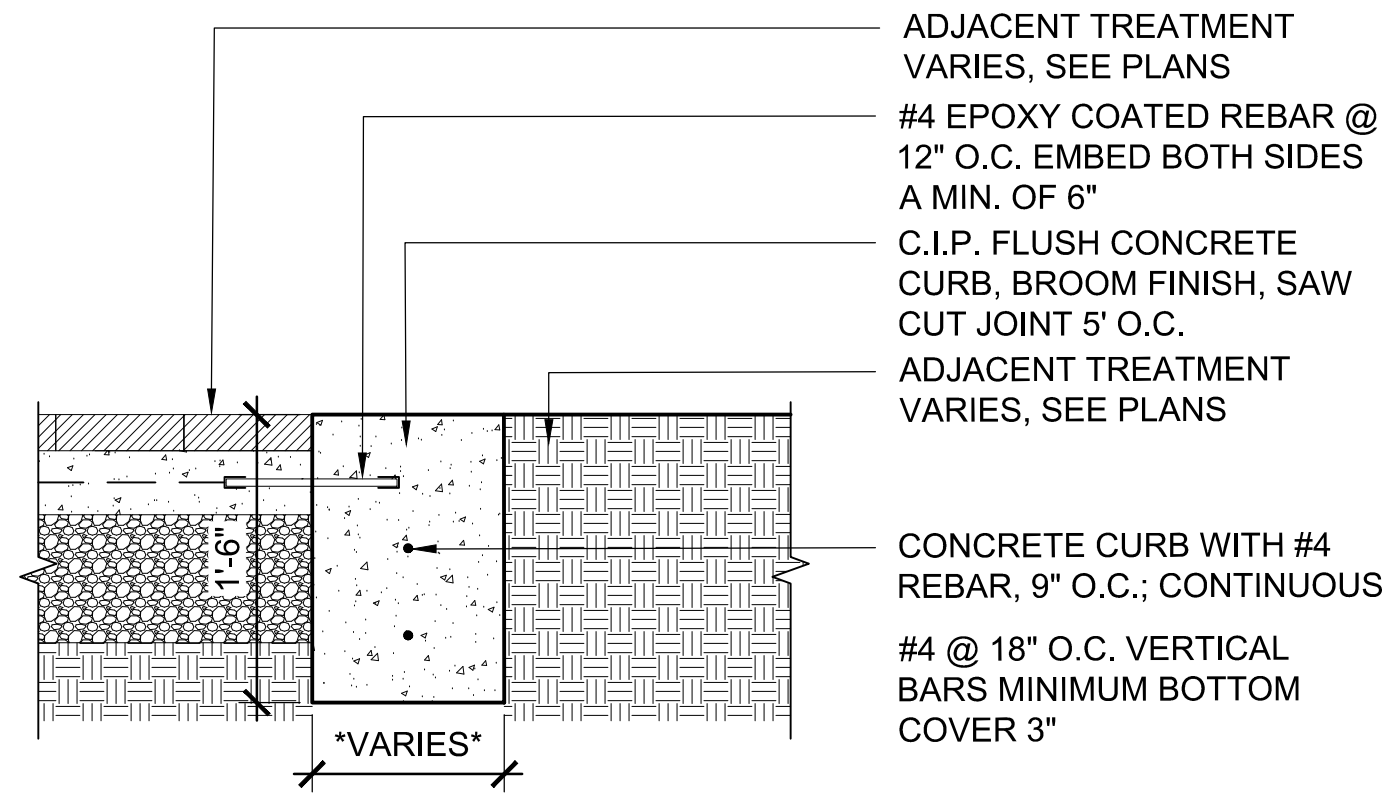
1 CONCRETE PAVEMENT
SCALE: 1" = 1'-0"



2 CONCRETE THICKENED EDGE
SCALE: 1" = 1'-0"

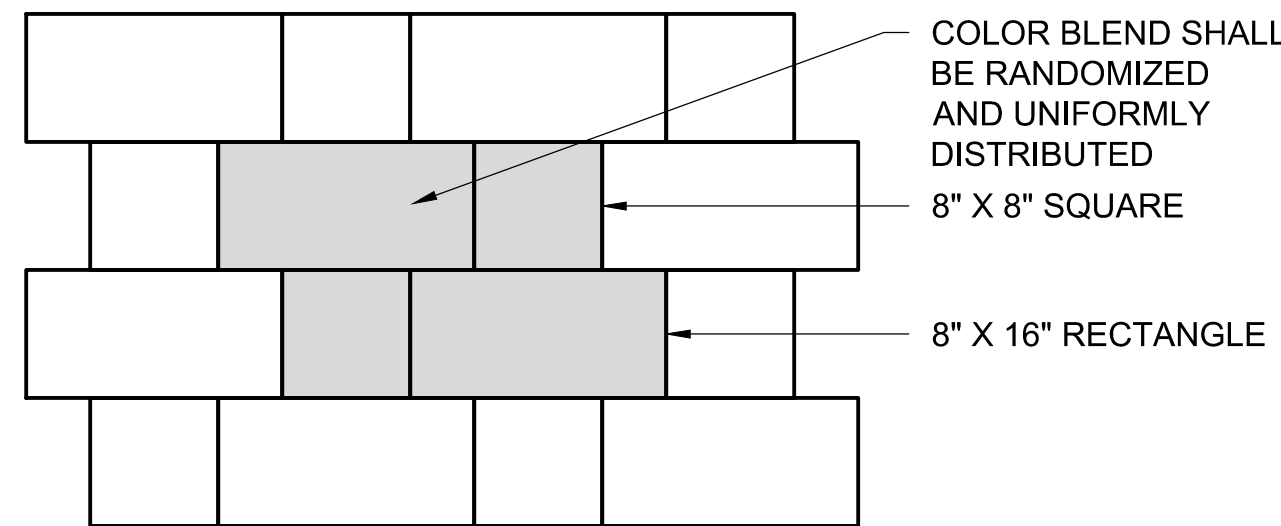


3 CONCRETE PAVEMENT JOINTS
SCALE: 1" = 1'-0"

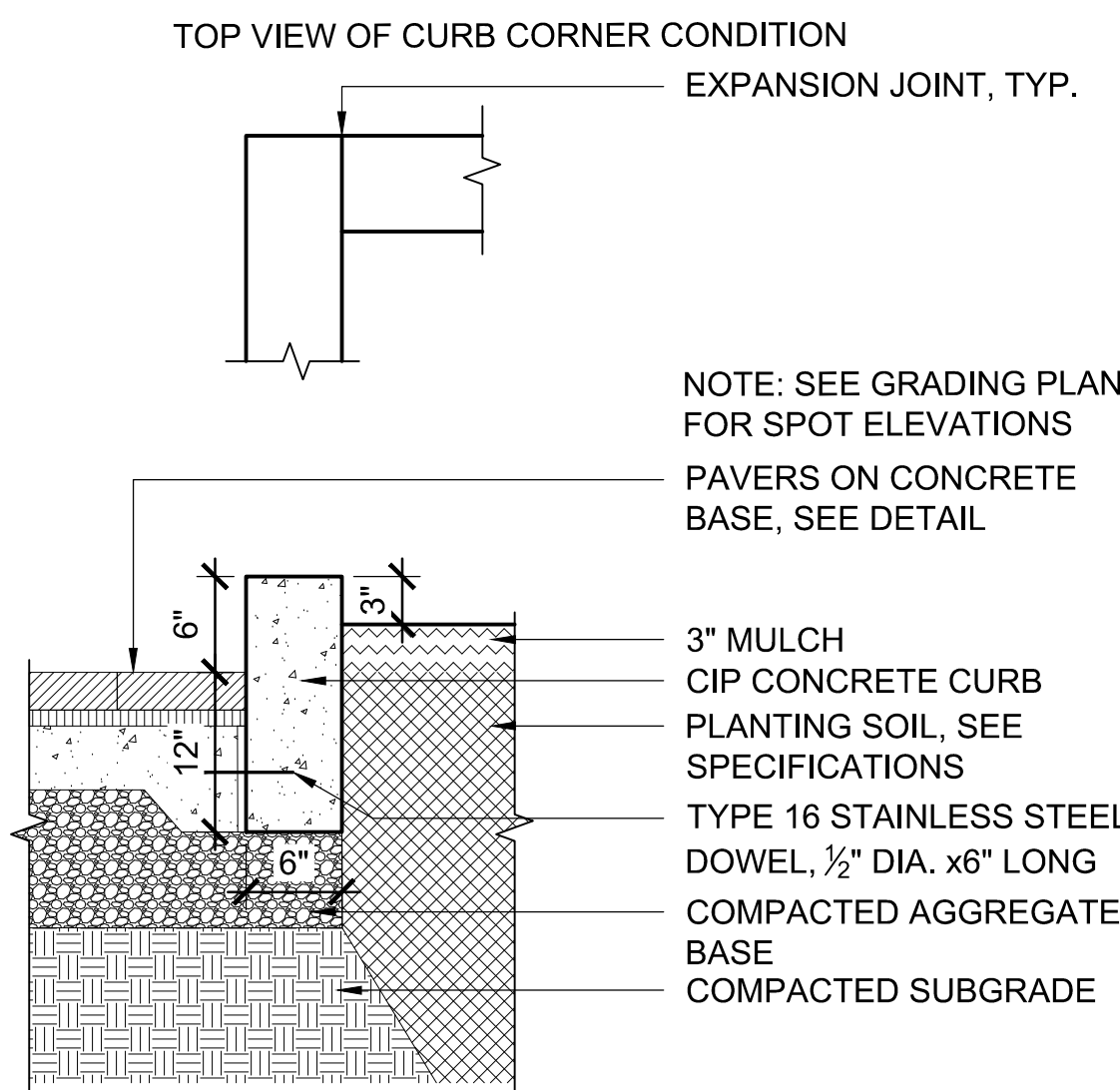


4 FLUSH CONCRETE CURB
SCALE: 1" = 1'-0"

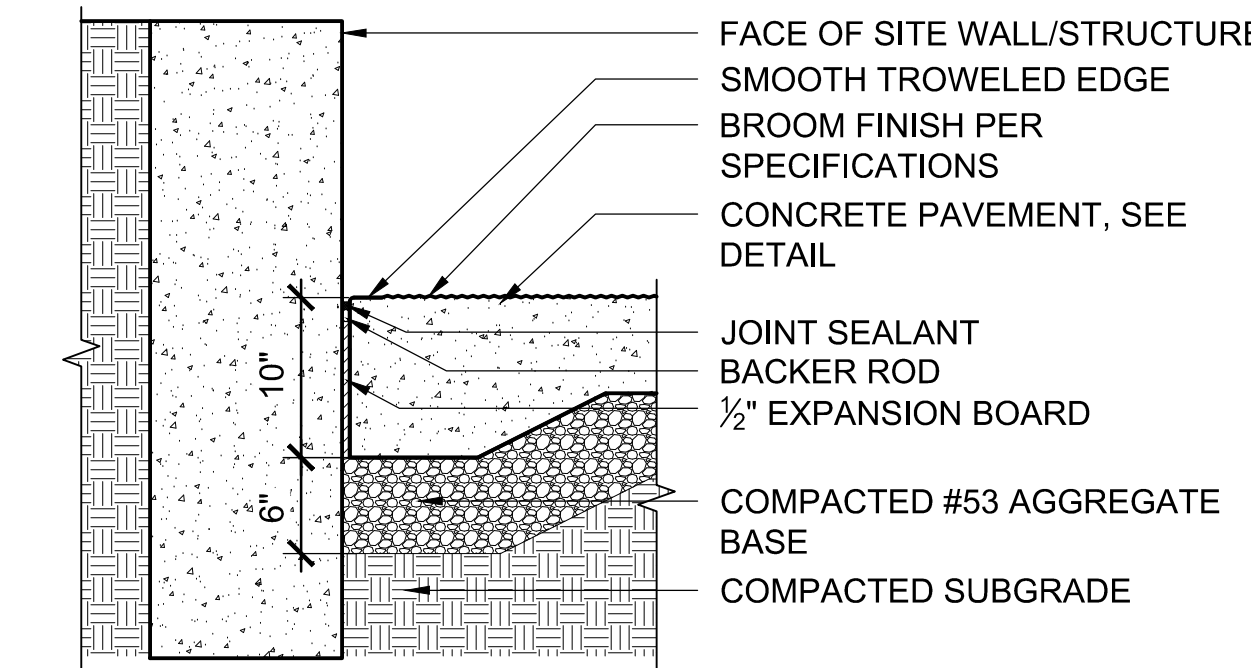
VENDOR: UNILOCK
PRODUCT: SERIES PAVER
COLOR BLEND: 50% NORDIC STAR
50% ARTIC GREY
PATTERN: PATTERN C
(OR APPROVED EQUAL)
CONTACT: STONY SUSKI (219)677-2463



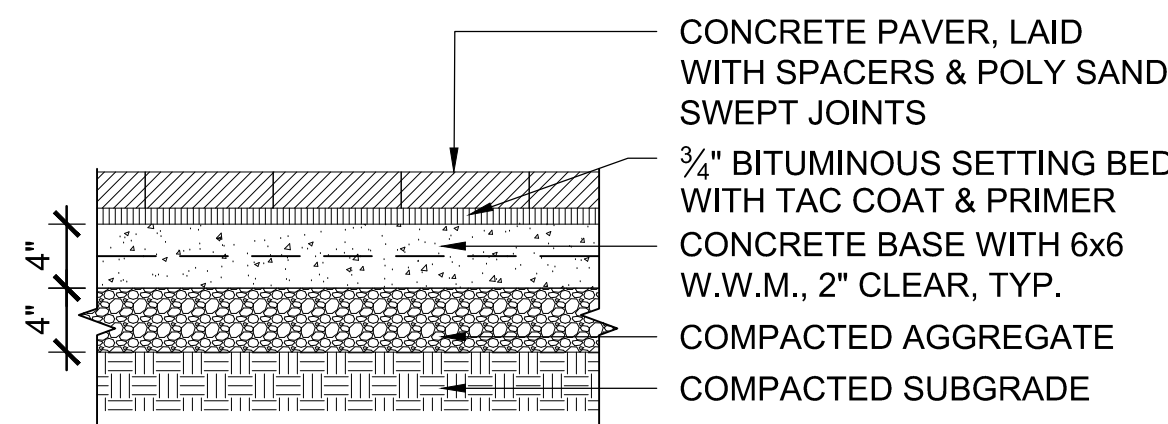
8 PAVER PATTERN TYPE 1
SCALE: 1" = 1'-0"



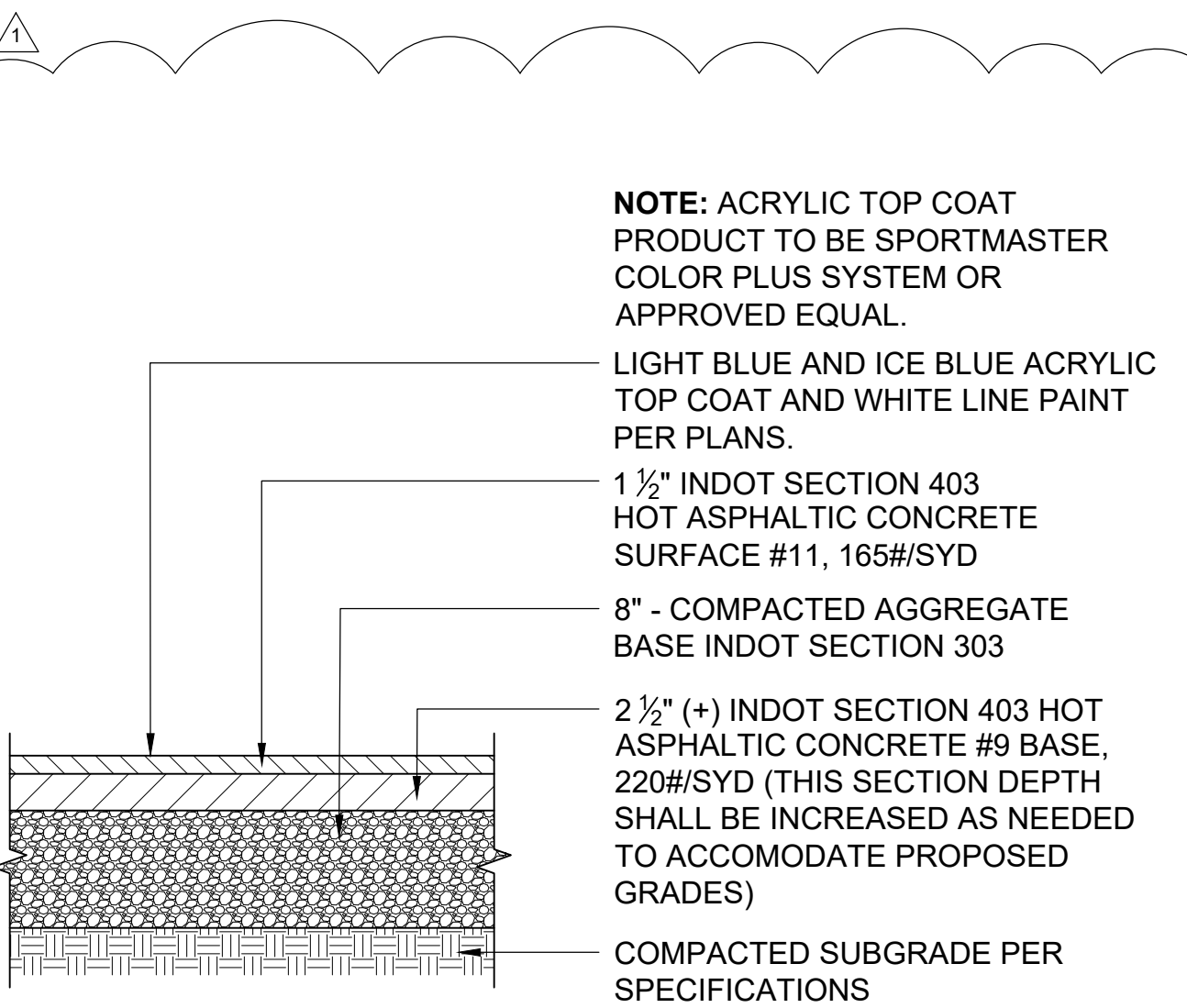
5 C.I.P. CONCRETE CURB
SCALE: 1" = 1'-0"



6 CONCRETE AT STRUCTURE OR WALL
SCALE: 1" = 1'-0"



7 PAVERS ON CONCRETE BASE
SCALE: 1" = 1'-0"



9 ASPHALT PAVEMENT
SCALE: 1" = 1'-0"



14 BASKETBALL COURT STRIPING LAYOUT



MANUFACTURER: KOMPAN
PRODUCT: STEPPING POD, 2'
DIMENSIONS: 0' 11" X 0' 11" X 1' 11"
MATERIALS: SBR RUBBER, HOT-DIP
GALVANIZED STEEL
COLOR: BLACK
CONTACT: MELISSA GUFFEY
(317)201-7056



10 SPINNER BOWL



- ½ GREEN, ½ BLACK FLEXGROUND
PLAY SURFACING, SEE DETAIL 1 - SHEET CS.04
- ½ MID GRAY, ½ LIGHT GRAY FLEXGROUND
PLAY SURFACING, SEE DETAIL 1 - SHEET CS.04
- ½ BLUE, ½ BLACK FLEXGROUND
PLAY SURFACING, SEE DETAIL 1 - SHEET CS.04

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p 317.209.4035

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p 770.366.3302

CERTIFIED BY:

David Wayne
REGISTERED
PE 11700768
STATE OF
INDIANA
PROFESSIONAL ENGINEER

07-08-2024

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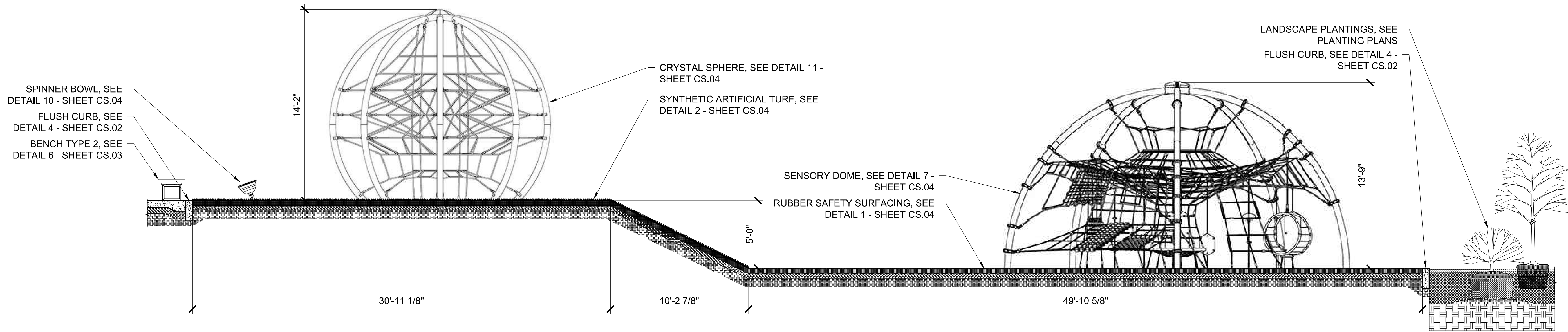
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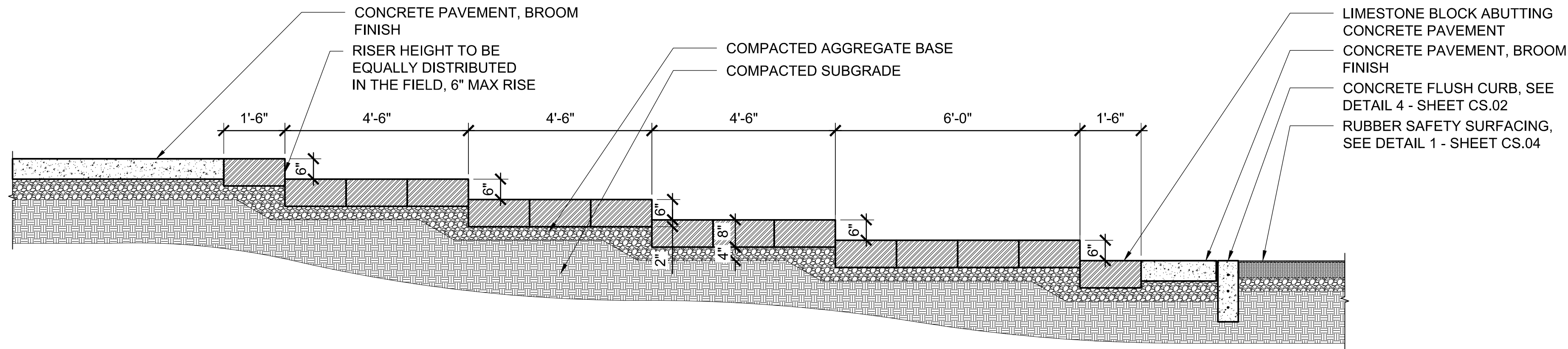
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SECTION DETAILS

SHEET NUMBER

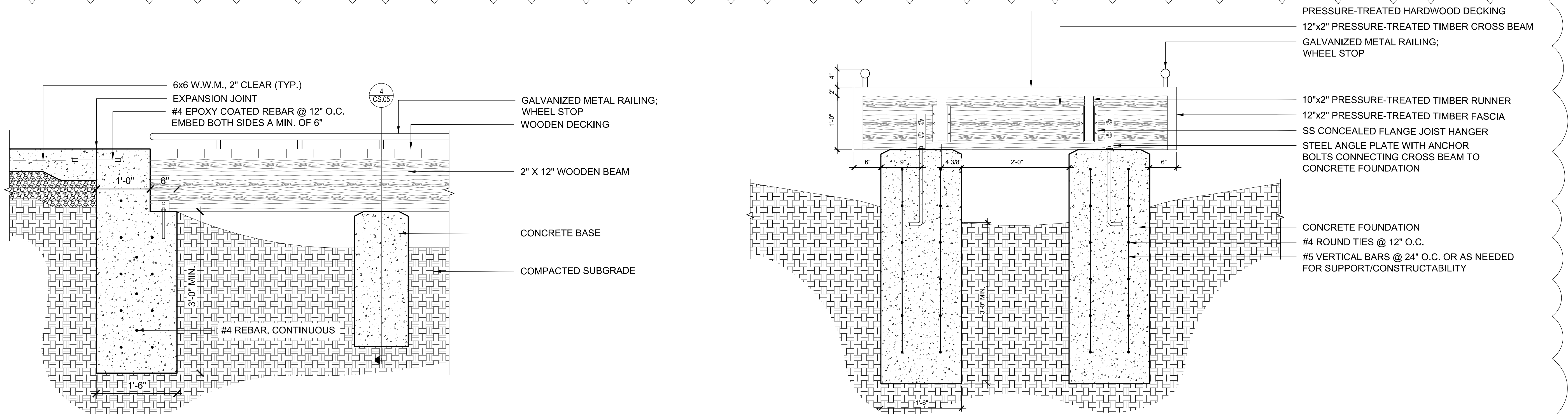
CS.05



1 PLAYGROUND CROSS SECTION
SCALE: 1/4" = 1'-0"

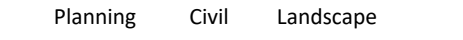


2 LIMESTONE STEPPING STONES
SCALE: 1/2" = 1'-0"



3 WOODEN BOARDWALK (BASIS OF DESIGN)
SCALE: 1" = 1'-0"

4 WOODEN BOARDWALK CROSS SECTION (BASIS OF DESIGN)
SCALE: 1/2" = 1'-0"



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CITY OF TERRE HAUTE

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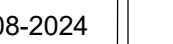
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EYMAP:

ISSUE DATE
7.08.2024

PROJECT NUMBER
23-005

SHEET NAME

GRADING PLAN ENLARGEMENTS

SHEET NUMBER

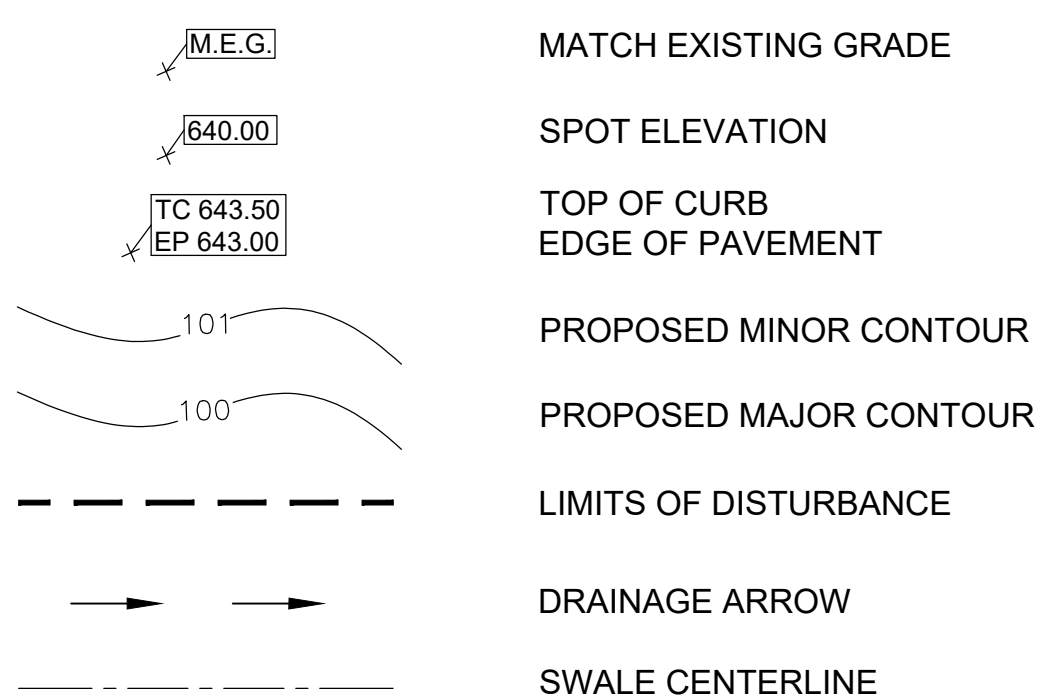
CG.01



GRADING PLAN NOTES

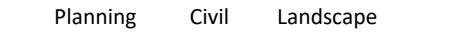
1. CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IN IMPROVED AREAS IS ACHIEVED. CONTRACTOR TO TEST AND CORRECT ANY "BIRD BATH" CONDITIONS.
2. ALL SLOPES SHALL BE 3:1 OR FLATTER, UNLESS OTHERWISE SHOWN.
3. ALL GRADES AT THE PROJECT BOUNDARY OR PROPERTY LINE SHALL MEET EXISTING GRADES.
4. BUILDING PAD AREAS AND PAVED AREAS DESIGNATED FOR FILL SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. ALL FILL AREAS ARE TO BE STRIPPED OF TOPSOIL PRIOR TO PLACEMENT OF FILL.
5. ANY EXCESS SOIL MATERIAL SHALL BE EXPORTED FROM THE SITE AFTER CONSTRUCTION IS COMPLETE.
6. CONTOURS ARE SHOWN AS A REFERENCE TO MEET JURISDICTIONAL REQUIREMENTS. CONTRACTOR SHOULD GRADE SITE PER THE PROPOSED SPOT GRADE ELEVATIONS.

GRADING LEGEND



2 GRADING PLAZA ENLARGEMENT





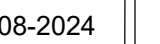
ERRE HAUTE

PROJECT LOCATION
1515 Locust St.
Terre Haute, IN
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MEP
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Indianapolis, IN, 46278-1755
p 317.209.4035

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FOUNTAIN PEOPLE**
4600 Hwy. 123
San Marcos, TX, 78666
p 770.366.3302

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[illegible]

KEYMAP:

ISSUE DATE
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PROJECT NUMBER	23-005
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SHEET NAME

SHEET NUMBER



1. CONTRACTOR SHALL COORDINATE ANY OUTAGES IN SERVICE WITH THE OWNER AND UTILITY COMPANY DURING CONSTRUCTION.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO CONSTRUCTION TO VERIFY UTILITIES THAT MIGHT BE PRESENT ON SITE.
3. THE CONTRACTOR IS REQUIRED TO PROVIDE ADEQUATE SHEETING, SHORING, AND DEWATERING IN ALL TRENCHES AND EXCAVATIONS AS NECESSARY IN ACCORDANCE WITH OSHA; AND IS SOLELY RESPONSIBLE FOR THE SAFETY OF SHEETING, SHORING, AND DEWATERING.
4. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES OR WHERE CONSTRUCTION IS IN THE VICINITY OF EXISTING PIPING, THE LOCATION AND ELEVATION OF THE EXISTING PIPING AND STRUCTURES SHALL BE FIELD VERIFIED BY THE CONTRACTOR. IF ANY DISCREPANCIES ARE FOUND, THEN THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

5. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES TO HIS EMPLOYEES, AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT.
6. REFER TO SHEET CU.01 FOR PROPOSED UTILITY DETAILS REFERENCED.
7. CONTRACTOR SHALL ADJUST WATER MAIN ALIGNMENT AND DEFLECT JOINTS AS NECESSARY TO ACCOMMODATE THE STANDARD BENDS SHOWN.
8. MEASUREMENTS AND SLOPES SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
9. QUANTITIES PROVIDED ARE ESTIMATES AND SHALL BE CONFIRMED BY THE CONTRACTOR.

<p>① CONNECT TO EXISTING STORM STRUCTURE</p> <p>② PROTECT: EXISTING POWER POLES TO REMAIN</p> <p>③ PROTECT: EXISTING STORM TO REMAIN</p> <p>④ PROTECT: EXISTING OVERHEAD UTILITIES TO REMAIN</p> <p>⑤ OVERHEAD LIGHTING, SEE SHEET CS.## - DETAIL #</p> <p>⑥ BOLLARD LIGHTING, SEE SHEET CS.## - DETAIL #</p> <p>⑦ POWER PEDESTAL</p>	<p>⑧ CONNECT 6" PVC SANITARY SERVICE TO EX. LATERAL (LOCATION APPROX.), CONTRACTOR SHALL EXPOSE ON SITE AND REPORT DEPTH TO ENGINEER OF RECORD</p> <p>⑨ 3" PVC WATER SERVICE</p> <p>⑩ ART FEATURE ARCH WITH LIGHTING, SEE ELECTRICAL PLANS</p> <p>⑪ CIRCULATING SPLASH PAD PUMP AND TANK, REFER TO MEP PLANS FOR WATER AND SANITARY CONNECTIONS</p> <p>⑫ YARD HYDRANT</p> <p>⑬ SANITARY CLEANOUT</p> <p>⑭ APPROX LOCATION FOR UNDERGROUND ELECTRIC, SEE MEP PLANS</p>
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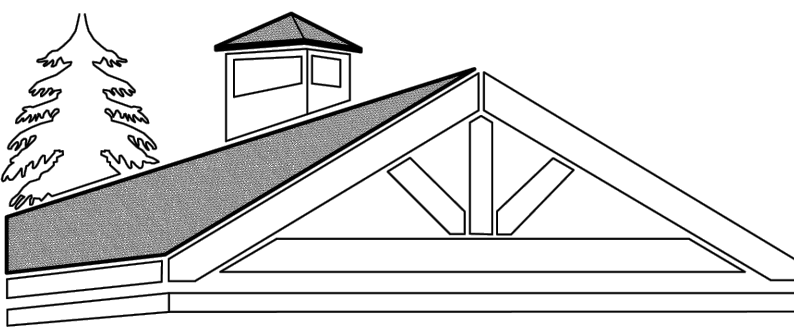
- 15 APPROX LOCATION OF TRANSFORMER & PAD, SEE MEP PLANS
- 16 CONNECT TO EXISTING POWER, SEE MEP PLANS
- 17 WATER SERVICE TAP AND VALVE, PER CITY REQUIREMENTS
- 18 SUB SURFACE PVC ROOF DRAIN CONNECTING BUILDING K STYLE GUTTERS AND DOWN SPOUTS TO STORM STRUCTURE

NOTE:
DRAWINGS FOR REFERENCE ONLY.
CONTRACTOR TO COORDINATE WITH CEDAR
FOREST FOR FINAL BUILDING PLANS.

GUTTER AND DOWNSPOUTS NOT INCLUDED
IN CFP PLANS. K-STYLE GUTTERS OR
APPROVED EQUAL AND (4) DOWNSPOUTS TO
BE PROVIDED BY CONTRACTOR ALONG 92'
NORTH AND SOUTH FASCIA BOARD. COLOR
TO MATCH FASCIA BOARD.

CONTACT INFO:

Dave Boeve
Cedar Forest Products
1-800-552-9495 ext 104
P.O. Box 145
West Olive, MI 49460
www.cedarforestproducts.com



CEDAR FOREST PRODUCTS

STRUCTURAL NOTES

STANDARDS

- 2012 INTERNATIONAL BUILDING CODE
- ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- ANSI/APC NDS-2012 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
- ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- ASCE 360 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS

BUILDING PROPERTIES

- OCCUPANCY GROUP DESIGNATION = A-3
- CONSTRUCTION TYPE = V-B

DESIGN LOADS

- GROUND SNOW = 20 PSF
- ROOF SNOW LOAD (UNHEATED) = 16.8 PSF
- ROOF LIVE LOAD = 20 PSF
- WIND LOAD BASED ON WIND VELOCITY OF V = 115 MPH
- RISK CATEGORY II, EXPOSURE C
- SEISMIC IMPORTANCE FACTOR I = 1
- S_s = 0.259
- S₁ = 0.114
- S₂ = 0.275
- S₃ = 0.178
- SITE CLASS = D
- DESIGN CATEGORY = C

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "SPECIFICATIONS FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"

STRUCTURAL STEEL TO CONFORM TO:

- STRUCTURAL STEEL PLATE = A-36
- HOLLOW STRUCTURAL SECTIONS = A500 GRADE C
- WIDE FLANGE SECTION = A992 GRADE 50
- CHANNEL SECTIONS = A36
- THESE MATERIAL SPECIFICATIONS SHALL BE USED UNLESS NOTED OTHERWISE.

HIGH STRENGTH BOLTING

- HIGH STRENGTH BOLTS ARE A325 BOLTS WITH HEAVY HEX NUTS. THE BOLTS ARE TO BE INSTALLED UTILIZING THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" AS PREPARED BY RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) FOR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
- IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE PROPER TIGHTNESS.
- ALL JOINTS MUST BE SNUG-TIGHTENED PRIOR TO PRETENSIONING.
- ALL JOINTS MUST BE SNUG TIGHT UNLESS OTHERWISE SPECIFIED.

WELDING

- ALL WELDING TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE - STEEL" D1.1 AND AS INDICATED ON THE STRUCTURAL DRAWINGS.
- WELDING ELECTRODES, WELDING PROCESS, MINIMUM PREHEAT AND INTERPASS TEMPERATURES TO BE IN ACCORDANCE WITH THE AWS SPECIFICATIONS. ELECTRODES TO BE MIN 70KSI MATERIAL.
- FILLET WELD SIZES SHALL BE EQUAL TO THE THICKNESS OF THE THINNER PART JOINED.

CONCRETE

- ALL CONCRETE SHOULD HAVE STONE AGGREGATE (NORMAL WEIGHT), 28-DAY COMPRESSIVE STRENGTH (f_c) SHOULD BE 3000PSI MINIMUM FOR CAST-IN-PLACE CONCRETE.
- MAX AGGREGATE DIAMETER OF 2 1/2"
- REINFORCING BARS SHOULD BE MILD STEEL WITH A MINIMUM YIELD STRENGTH OF 60 KSI.
- REINFORCING BAR PROTECTION:
 - CONCRETE PLACED AGAINST EARTH = 3"
 - CONCRETE PLACED IN FORMS = 1 1/2"
- FIELD WELDING OF REINFORCING SHOULD NOT BE PERMITTED.

- ALL REINFORCING BAR BENDS SHOULD BE MADE MECHANICALLY HEAT-BENDING SHOULD NOT BE PERMITTED.
- NON-SHRINK GROUT = 5000 PSI
- ANCHOR BOLTS SHALL CONFORM TO THE REQUIREMENTS OF F1554 GRADE 36
- 4" to 6" SABS SHALL BE REINFORCED WITH W4.3XW4.5 (6" x 6") WELDED WIRE FABRIC

FOUNDATIONS

- FOUNDATIONS DESIGNED BASED ON PRESUMPTIVE LOAD-BEARING VALUES GIVEN IN TABLE 1806.2 OF THE INTERNATIONAL BUILDING CODE.
 - 1500 PSF VERTICAL FOUNDATION PRESSURE
 - 100 PSF LATERAL BEARING PRESSURE
 - FOUNDATION BACKFILL SHOULD CONSIST OF EXISTING SANDY FILL OR GRANULAR IMPORT MATERIAL. BACKFILL SHOULD BE PLACED IN THIN, LOOSE LIFTS, MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 95% OF MAX MODIFIED PROCTOR DRY DENSITY.
- THE FOUNDATIONS HAVE BEEN DESIGN BASED ON THE ABOVE AND SHALL BE REVIEWED BY THE ENGINEER ONCE A FINAL GEOTECHNICAL REPORT IS COMPLETED. THE SUPPORT SOILS SHALL BE PREPARED PER THE REFERENCED GEOTECHNICAL REPORT PRIOR TO THE PLACEMENT OF ANY CONCRETE.

STRUCTURAL WOOD

- WOOD FRAMING SHALL COMPLY WITH THE SOUTHERN PINE INSPECTION BUREAU, OR SHALL CONFORM TO SPECIFICATIONS AS PUBLISHED BY THE WESTERN WOODS PRODUCTS ASSOCIATION.
- WOOD FRAMING 2" X 4" AND LARGER SHALL BE NO. 1 SOUTHERN YELLOW PINE (U.N.O.)
- WOOD COLUMNS 6" X 6" AND LARGER SHALL BE NO. 1 SOUTHERN YELLOW PINE (U.N.O.)
- MECHANICALLY LAMINATED POSTS SHALL HAVE CERTIFIED STRUCTURAL GLUED END JOINTS.
- ALL MEMBERS IN CONTACT WITH CONCRETE OR GROUND SHALL BE PRESSURE TREATED.
- FASTENERS USED IN PRESSURE TREATED WOOD SHALL BE GALVANIZED, MADE FROM STAINLESS STEEL OR HAVE A COATING RATED FOR USE IN TREATED WOOD.
- GLUED-LAMINATED MEMBERS (U.N.O.)
 - BEAMS SHALL USE 24F-V5 SP5F FOR BALANCED LAYOUTS
 - BEAMS SHALL USE 24F-V3 SP5F FOR UNBALANCED LAYOUTS WITH THE TOP CLEARLY MARKED FOR INSTALLATION
 - COLUMNS SHALL USE 24F-V5 SP5F OR 20F-V15 POC/POC BALANCED LAYOUTS
 - 1-3/8" ACTUAL LAMINATION THICKNESS
 - ADHESIVE TO BE WATERPROOF GLUE
 - APPEARANCE GRADE TO BE AITC ARCHITECTURAL
- PROTECTION WRAPPED
- CONNECTORS NOT MANUFACTURED BY CFP SHALL BE AS MANUFACTURED BY THE SIMPSON CO. OR APPROVED EQUAL. CONNECTORS USED WITH PRESSURE TREATED LUMBER OR IN UNCONDITIONED SPACE, SHALL HAVE THE ZMAX (6165) COATING.
- NAILING, UNLESS NOTED OTHERWISE, SHALL BE PER THE INTERNATIONAL BUILDING CODE.
- BOLTS USED FOR WOOD CONNECTIONS SHALL MEET THE REQUIREMENT OF ANSIA/ASME STANDARD B18.2.1.
 - HOLES SHALL BE A MINIMUM OF 1/8" TO 1/4" LARGER THAN THE BOLT DIAMETER.
 - A STANDARD CUT WASHER OR METAL PLATE OF EQUAL OR GREATER DIMENSIONS SHALL BE PROVIDED BETWEEN THE WOOD AND THE BOLT HEAD AND NUT.
- LAG SCREWS SHALL BE INSTALLED PER THE REQUIREMENTS OF ANSIA/ASME STANDARD B18.2.1.
 - LEAD HOLES FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 60% TO 70% OF THE SHANK DIAMETER WITH A DEPTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION.
- EACH COURSE OF STACKED CEDAR TIMBER WALLS SHALL BE CONNECTED TO THE COURSE BELOW WITH #14 X 10" TIMBER SCREWS AT 36" ON CENTER. EACH COURSE OF TIMBER SHALL BE CONNECTED WITH AT LEAST TWO SCREWS.

METAL ROOF

- ROOF PANELS SHALL BE 29GA MAX-RIB ULTRA METAL ROOFING
- YIELD STRENGTH = 50 KSI
- SUBSTRATE = 2X6 SYP TAG DECKING
- FINISH SHALL BE KYMAR 500

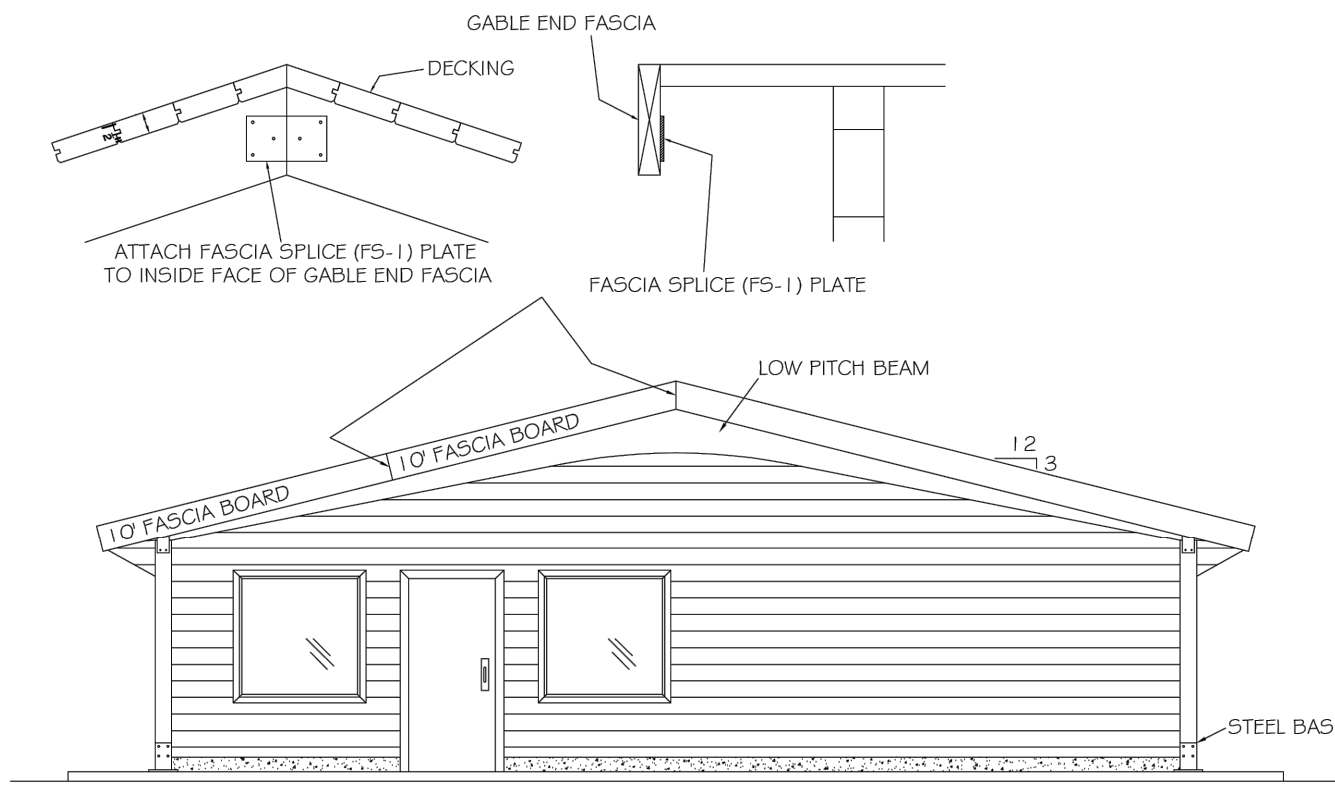
Troy Garland

Digitally signed by Troy Garland
DN: cn=Troy Garland, gn=Troy Garland, email=troygarland@landstewards.com
Reason: Engineering Seal
Location: Hamilton, MI
Date: 2024.02.23 15:52:05-00

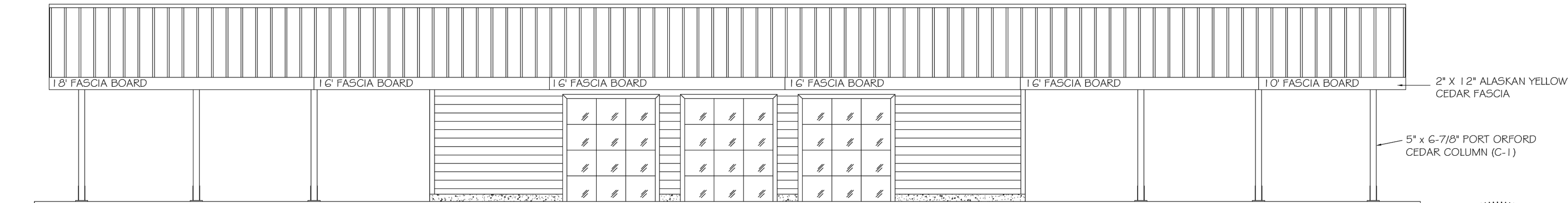


2/23/24

MODEL NUMBER:	PAC4092	REVISION DATES	DRAWN BY:	DATE:
DESCRIPTION:	CUSTOM PAC 40' X 92'	REV:	REV:	11-18-24
Project:	Project Name: Herz Rose Park	REV:	REV:	PRJ #: 4385
Details:	Sales Rep: Recreation Insites Site Location: 1515 Locust St. - Terre Haute IN, 47807	REV:	REV:	1 of 22



RIGHT SIDE ELEVATION



FRONT ELEVATION



NOT TO SCALE

2/23/24

	P.O. BOX 145 WEST OLIVE, MI 49460 800-552-9495 WWW.CEDARFORESTPRODUCTS.COM	**STRUCTURE ERECTION: INSTALLATION OF THIS STRUCTURE MUST BE DONE WITH COMPETENT SUPERVISOR IN THE CONSTRUCTION TRADES. THIS SUPERVISOR MUST BE CAPABLE OF READING THE DRAWINGS & FOLLOW CEDAR FOREST PRODUCTS INSTALLATION INSTRUCTIONS USING GOOD CONSTRUCTION PRACTICES AND PROCEDURES. THE CONTRACTOR WILL BE REQUIRED TO SHIM, CUT, AND MAKE ADJUSTMENTS OF FITTING FOR PROPER BUILDING ERECTION.	© Copyright, 2024 these drawings are the intellectual property of C.F.P. CO. and shall not be copied or disclosed to any unauthorized parties in part or its entirety without our written permission, and they shall not be used for construction unless approved by a C.F.P. Representative.	DESCRIPTION CUSTOM PAC 40' X 92'	REVISION DATES	DRAWN BY:	DATE:
PROJECT DETAILS	PROJECT NAME: Herz Rose Park SALES REP: Recreation Insites SITE LOCATION: 1515 Locust St. - Terre Haute IN, 47807	REV:	REV:	REV:	REV:	REV:	1-19-24
						PRJ #: 4385	2 OF 22



Land Stewards
Design Group

Planning Civil Landscape

5022 ROCKVILLE ROAD
INDIANAPOLIS, IN 46224
LANDSTEWARDSDG.COM

CLIENT / OWNER
CITY OF TERRE HAUTE

PROJECT NAME
HERZ ROSE PARK

PROJECT LOCATION

1515 Locust St.
Terre Haute, IN
47807

MEP

SIMS-DURKIN ASSOCIATES
5755 W. 74th St.
Indianapolis, IN 46278-1755
p 317.209.4035

SPLASH PAD

FOUNTAIN PEOPLE
4600 Hwy. 125
San Marcos, TX, 78666
p 770.366.3302

100% BID DOCUMENTS

NO.	REVISION	DATE
1	ADDENDUM #1 SHEET REISSUE	08.08.2024
2		
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KEYMAP:

ISSUE DATE
07.08.2024

PROJECT NUMBER
23-005

SHEET NAME

NOTES &
ELEVATION

SHEET NUMBER

AR.00



The Door to Quality.

3295

ALUMINUM FULL-VIEW DOORS

08 36 13/CHI
Buyline 3132

www.chiohd.com

C.H.I. OVERHEAD DOORS



8' x 7' 3295, white full-view sections and solid bottom

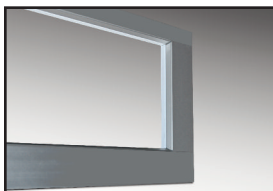
RESILIENT. STURDY.

SPECIFICATIONS, OPTIONAL FEATURES AND ACCESSORIES



SECTIONS

Sections are assembled with through bolts for added strength. Top seals are available as an option.



BOTTOM RAILS

Wide bottom rails, top rails, and end stiles create an extra-strong frame for the door.

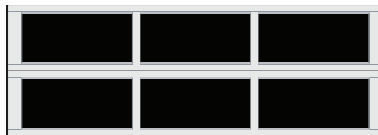


INSIDE RETAINERS

Glass replacement is easy using removable inside retainers.

OPTIONAL WINDOW DESIGNS

24" SECTION HEIGHT



10" Section



12" Section

AVAILABLE IN 1/8", 1/2" INSULATED GLASS AND 1/4" TEMPERED GLASS.



The Door to Quality.

COLOR SELECTION

WHITE

ANODIZED

Note: Refer to samples at your local C.H.I. distributor for exact color match.

MODEL 3295

SECTIONS

- Sections are 2 inches thick, and assembled with through bolts at each vertical stile location
- Available in clear anodized aluminum or a selection of stock RAL powder-coat options of 188 colors
- Section joints are tongue-and-groove
- Insulated and 1/4" tempered glass is available in some sizes (Call your distributor for quote)
- Aluminum panels can be substituted for glass panels
- Glass or aluminum panels can be easily replaced by removing an inside vinyl retainer

TRACK

- Tracks are 2" or 3", as specified
- Available in bracket mount, clip angle mount, angel mount, 12" radius, 15" radius, high lift, vertical lift, follow roof line, or dual track low head room

HARDWARE

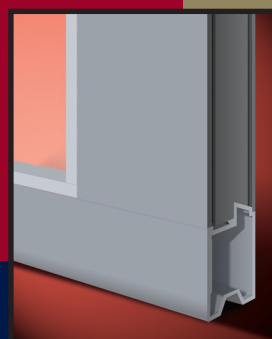
- Package includes 11-gauge or 14-gauge hinges, as specified
- 2" or 3" long-stem or short-stem steel rollers with 10 ball bearings
- Heavy-duty adjustable top roller brackets

SPRINGS

- Torsion springs are helically wound with oil-tempered wire
- All springs are individually-calibrated for each door
- All tubes are galvanized for rust resistance

VISIT YOUR DOOR PROFESSIONAL AT:

C.H.I. Overhead Doors are manufactured in Arthur, Illinois, USA.



DOOR CONSTRUCTION

This model features closed-constructed aluminum extrusions, assembled with hidden through-bolts for maximum structural rigidity.

All information presented is based on the specifications and features available at the time of printing and is subject to change without notice.

Lifeline Ultra-7™

Our Highest Performance Transparent Wood Stain for Walls

Lifeline Ultra-7 is our highest quality wood stain enhanced with advanced polymer resin that delivers sophisticated color, unmatched durability and maximum coverage.

Appearance:

By choosing *Lifeline Ultra-7*, you are ensuring that the finish will look as beautiful years after application as it did the second day it was applied.

Longevity:

After multiple exposure tests in harsh-weather areas accross the country, *Lifeline Ultra-7* stands out as THE top-of-the-line, long-lasting finish.

Value:

There is no doubt that *Lifeline Ultra-7* will save you time and money in the long run. Lasting longer equates to less labor expense over the life of the finish.

Environment:

Low VOC, water-based *Lifeline Ultra-7* meets and exceeds all standards and environmental requirements in North America.

- High coverage rate
- Excellent UV protection
- Easy maintenance procedures
- Breathable film allows unseasoned logs to dry out
- For walls and other vertical surfaces
- Comes with a 5-year limited warranty
- Clear coat with *Lifeline Advance* to complete the system



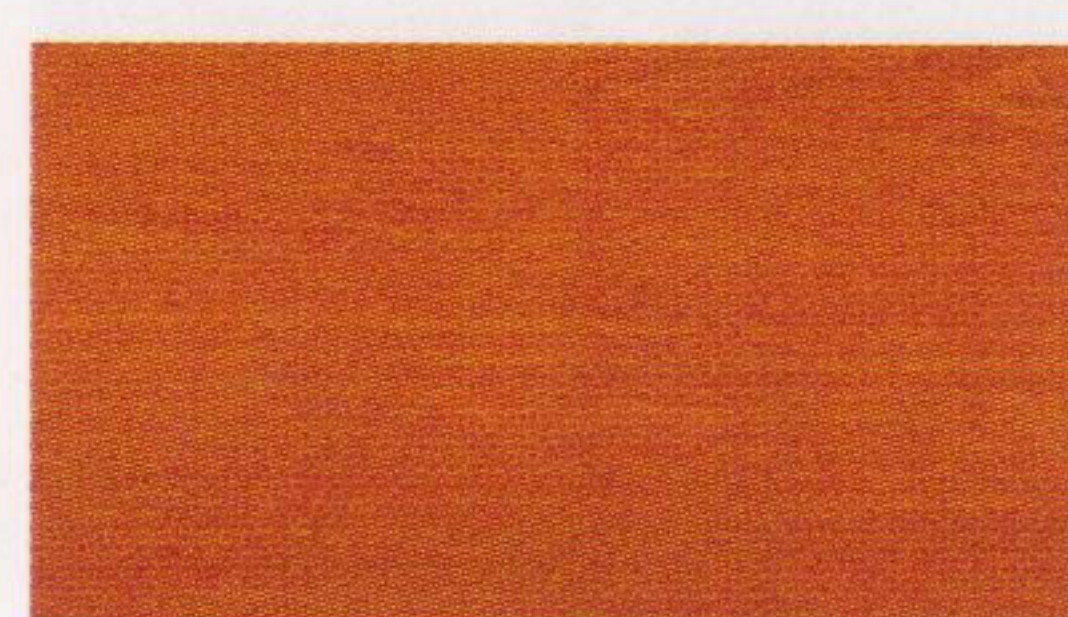
Caramel, #325



Cedar, #385



Oak, #332



Bronze, #374

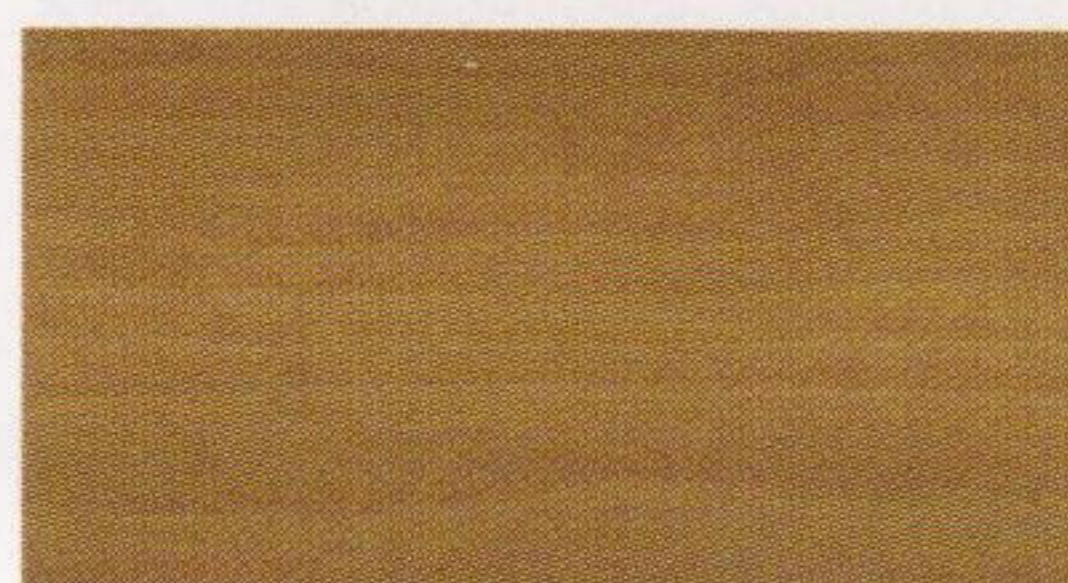


Chestnut, #365



Almond, #345

Application techniques, wood species and other factors will affect the actual color when finished. We supply samples for evaluation on your specific wood.



Smoke, #363

Surface Preparation:

Must be applied to clean, dry surface.

of Coats:

One or two coat application. Topcoat with Advance Gloss or Satin Clear Topcoat.

Application Rates:

First coat - 250-350 sq.ft. per gallon. Second coat 450-600 sq.ft. per gallon.

Application Temperature:

40° F to 90° F

Application Methods:

Airless sprayer.
Brush.

Drying Time:

Dry to the touch in 4 to 6 hours. Cures in 72 hours.

Clean up:

Soap and water.

Packaging:

1 gallon container.
5 gallon pail.
Samples available.

Storage/Shelf Life:

Freeze/thaw stable.
3 years.





Care & Maintenance Guide for Cedar Wall Structures

Initial Care

Cedar Forest Products (CFP) uses top-grade, kiln dried, unfinished Northern White Cedar logs for cedar walls. In order to maintain the natural color of the cedar and to aid future cleaning and maintenance, CFP recommends sealing the walls with a high quality product, such as Perma-Chink.

Our suggested product is the Perma-Chink Lifeline Ultra-2 system. This system has a three-step application process. First, make sure the surface is clean and remove any mill glaze so wood is ready to accept the stain/sealer and seal any holes. Then apply 2 coats of the Lifeline Ultra-2 product. It has unparalleled UV protection, flexibility and breathability. The last step of the Perma-Chink system is one coat of Lifeline Advance, a clear top coat. This will protect against mold and mildew, is non-yellowing, and has low VOCs.

General Maintenance

Periodic cleaning of exterior walls is important to prolong the life of the exterior finish system and to maintain the best appearance. High quality products like Lifeline Advance clear topcoat will help reflect sunlight reducing the amount of UV rays that get through the semi-transparent coating to the wood surface. Keep the cedar clean with a periodic washing. The exterior building is easy to wash; we recommend Perma-Chink's Log Wash solution. If the wood underneath the finish begins to darken when washed, it is probably time to refresh your Lifeline Advance topcoat, typically every 3-5 years. For more information about the Perma-Chink system and exterior maintenance please visit Perma-Chink's website at: www.permachink.com

SHOP DRAWING REVIEW		
SDA PROJECT NO.: 2023123	REVIEWER:	DATE Received: 08/01/24
CLIENT PROJECT NO.:	RETURN TO: Dan Bishop/Lightsource	DATE Returned: 08/05/24
PROJECT NAME: Herz Rose Park		 SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY <p>ENGINEER'S REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THIS INFORMATION IN THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE CONTRACT DOCUMENTS, NOR DEPARTURES THEREFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES, DIMENSIONS, WEIGHTS, AND GAUGES, FOR COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, FOR SELECTING FABRICATION PROCESS AND CONSTRUCTION METHODS, FOR TECHNIQUES OF ASSEMBLY CONSTRUCTION SAFETY PRECAUTION FOR PERFORMING HIS WORK IN A SATISFACTORY MANNER. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE ACCEPTANCE OF AN ASSEMBLY OF WHICH THIS IS A COMPONENT.</p> <p>SHOP DRAWING REVIEW</p> <p> <input type="checkbox"/> REVIEWED – NO EXCEPTIONS TAKEN <input checked="" type="checkbox"/> REVIEWED – PROVIDE AS NOTED <input type="checkbox"/> REVISE AND RESUBMIT <input type="checkbox"/> REJECTED – RESUBMIT <input checked="" type="checkbox"/> COMMENTS ATTACHED <input checked="" type="checkbox"/> NO RESUBMITTAL IS REQUIRED <input type="checkbox"/> PARTIAL RESUBMITTAL IS REQUIRED </p> <p>SDA REVIEW STAMP</p>
CC: File – Sims-Durkin Assoc. Engineering Company		
EQUIPMENT/MATERIAL DESCRIPTION: Lighting		
Submittal No.: Spec. Sections:		
SDA Shop Drawing No.: 9395		
Notes:		

A. Review Comments:

1. The lumen output for L1 is much smaller than specified. Verify acceptability with Owner and Architect.
2. The wattage consumption for L8 and L9 is higher than specified. Verify acceptability with Owner and Architect. Verify circuit loading prior to ordering.



LIGHT SOURCE
8719 CASTLE PARK DR
INDIANAPOLIS, IN 46256-1272
Phone: 317-598-6900
Fax: 317-598-6910
Contact: Herrington, Andrea

Herz Rose Park - Terre Haute

24-28667-0

8/1/2024

Type	Manufacturer/Brand	Catalog Number
EXTERIOR LIGHTING		EXTERIOR LIGHTING
L1	BEGA	B84238 X X
L2	ABL-Lithonia Lighting	WPX1 LED P2 40K MVOLT DDBXD
L3	ABL-Lithonia Lighting	CSVT L48 3000LM MVOLT 40K 80CRI
L4	ABL-Lithonia Lighting	VCPG LED V4 P2 40K T5R MVOLT
L5	ABL-Lithonia Lighting	QTE LED P1 40K 120 YK DDB
L6	ABL-Luminis	BVA31 LIL60-TYP3 XX X X
L7	TARGETTI	JE R 10 XX 24 XX X
L8	GRIVEN	RUBYR XX DMX-RDM S UNV XX
L9	ABL-Luminis	BVA12B L2L40-TYP3 XX X XX
L10	ABL-Lithonia Lighting	ECRG RD M6

Shielded bollard · Asymmetric

BEGA

Application

The fully shielded design of this bollard provides visual comfort while illuminating ground surfaces. Provided with mounting system that allows the luminaire to be adjusted independent of anchor bolt orientation. DarkSky Approved (2700K and 3000K only)

Materials

Clear safety glass
Marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
Zinc plated carbon steel anchor bolts with template
Pure anodized aluminum reflector

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65

Weight: 12.8lbs.

Electrical

Operating voltage 120-277VAC
Minimum start temperature -30°C
LED module wattage 11.5W
System wattage 15.0W
Controllability 0-10V, TRIAC, and ELV dimmable
Color rendering index $Ra > 80$
Luminaire lumens 1650lm
LED service life (L70) 60000hrs

LED color temperature

- ☐ 4000K (K4)
- ☐ 3500K (K35)
- ☐ 3000K (K3) (DarkSky Approved)
- ☐ 2700K (K27) (DarkSky Approved)

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors

- ☐ Black (BLK)
- ☐ Silver (SLV)
- ☐ RAL:
- ☐ Bronze (BRZ)
- ☐ White (WHT)
- ☐ CUS:

Available options

- ☐ 70895 Direct burial anchorage (replaces included anchorage kit, pre-shippable)
- ☐ CUS Custom finish
- ☐ FRO Frosted lens
- ☐ MGU Marine grade undercoat
- ☐ RAL RAL finish

Included (available for pre-shipment)

- ☐ B79817 Anchorage kit

VERIFY



Shielded bollard · Asymmetric

	LED	A	B
B84238	11.5W	6 $\frac{1}{4}$	37 $\frac{1}{4}$

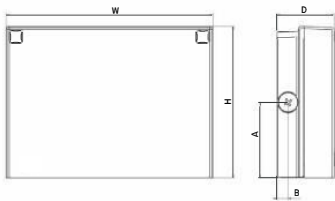




WPX LED Wall Packs



Specifications



Front View

Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8 kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7 kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0 kg)

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

WPX1 LED P2		40K	MVOLT	DDBXD	
Series		Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1,550 Lumens, 11W ¹	30K 3000K	MVOLT 120V - 277V	(blank) None	DDBXD Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K 4000K	347 347V ³	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ²	DWHXD White
WPX2 LED	6,000 Lumens, 47W	50K 5000K		E14WC Emergency battery backup, CEC compliant (14W, -20°C min) ²	DBLXD Black
WPX3 LED	9,200 Lumens, 69W			PE Photocell ³	Note: For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection.
Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V and PE options.

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection). All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. 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/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: 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.

Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 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	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

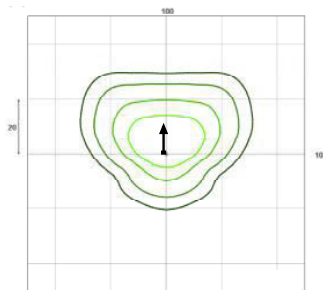
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](#) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

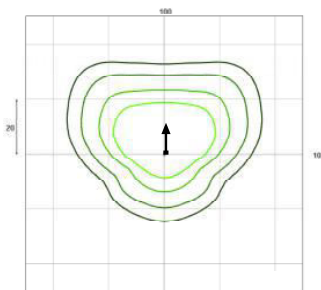
LEGEND

0.1 fc
0.2 fc
0.5 fc
1.0 fc

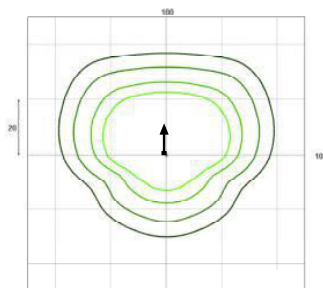
WPX1 LED P1



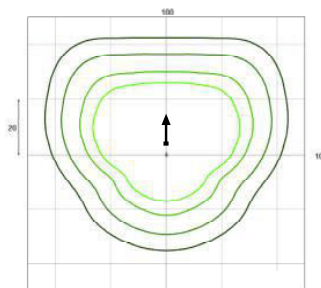
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.



FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for damp/wet locations such as outdoor venues, canopies and locker rooms. Not for use or installation in direct outdoor sunlight. Must be installed under canopy or covered ceiling. For direct sunlight installations, please refer to the FEX product family. **Certain airborne contaminants can diminish integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION

- Light Gray Polycarbonate housing
- Frosted Polycarbonate lens
- Poured in place polyurethane gasket
- Polycarbonate Latches, optional stainless steel latches available.
- Standard 1/2" wet location fitting

ELECTRICAL

- High Efficiency LEDs meet DLC Standard
- MVOLT (120-277V) & 347V
- 0-10V Dimming standard

Luminaire Surge Protection Level: Designed to withstand up to 2.5kV/0.75kA per ANSI C82.77-5-2015. For applications requiring higher level of protection additional surge protection must be provided.

INSTALLATION

- Surface (wall, ceiling) using standard brackets includes bail for chain hanging
- Suspended (chain, cable) using standard brackets

LISTINGS

- CSA Certified to UL & C-UL Standards for wet location
- IP65, IP66 rated per IEC60529
- NSF Splash zone rated
- FCC Title 47, Part 15 Subpart B compliant
- 2.5kV/0.75kA Surge Rated per ANSI C82-77-5-2015
- CSA Ambient Listings on Page 3
- Lumen Maintenance Listed on Page 3

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/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

Vapor Tight LED Strip Light

CSVT



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

CSVT Vapor Tight LED Strip Light



Looking for Contractor Select readily available configurations? Click here to visit Contractor Select™ spec sheet or go to www.contractorselect.com



A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: CSVT L48 AL03 MVOLT SWW3 80CRI

CSVT	L48	3000LM	MVOLT	40K	80CRI
Series	Length	Lumen Output	Voltage	Color temperature	Color rendering index
CSVT Linear LED Vapor Tight	L48 48"	3000LM 3,000 lumens ‡ 4000LM 4,000 lumens ‡ 5000LM 5,000 lumens ‡ 6000LM 6,000 lumens ‡ AL03 Switchable lumens, 3000LM / 4000LM / 5000LM	MVOLT 120-277V 347 347V	35K 3500K ‡ 40K 4000K ‡ 50K 5000K ‡ SWW3 Switchable white, 35K / 40K / 50K	80CRI 80 CRI
	L96 96"	6000LM 6,000 lumens ‡ 8000LM 8,000 lumens ‡ 10000LM 10,000 lumens ‡ 12000LM 12,000 lumens ‡ AL04 Switchable lumens, 6000LM, 8000LM, and 10000LM			

Options

STSL	Stainless steel latches	Individual Controls ‡
IE7WCP	Emergency battery pack, 7W , CA Title 20 Noncompliant ‡	SBOR10 360° integral low mount motion sensor (standard on/off operation)
IE7WCPHE	Emergency battery pack, 7W , Certified in CA Title 20 MAEDBS ‡	SBOR10 D 3V 360° integral low mount motion sensor with dimming (low trim set at 30%)
WLFEND2	Wet location fitting (fittings out both ends) ‡	SBOR10 P 360° integral low mount motion sensor with photocell
NOM	NOM certified	
		nLight Wireless Controls ‡
		NLTAR2 RSBOR10 nLight (wireless) gen 2 high mount occupancy & daylight sensor

NOTE: ‡ indicates option chosen has ordering restrictions. Please reference ordering restrictions chart.

‡ Option Value Ordering Restrictions

Option value	Restriction
35K, 40K, 50K	Not available with ALO lumen packages.
3000LM, 4000LM, 5000LM, 6000LM, 8000LM, 10000LM, 12000LM	Not available with SWW3.
CSVT STSL LATCH	Requires two for L96
IE7WCP, IE7WCPHE	Not available with 347V.
Individual Controls	Not available with WLFEND2 option.
nLight Wireless Controls	Not available with WLFEND2 option.
WLFEND2	Not available with cord set or sensor options.

Accessories: Order as separate catalog number.

CSVT STSL LATCH	Stainless steel latch kit (Set of 10) ‡
CSVTRMBA	Angle mount bracket (QTY of 2) (316 stainless steel)
CSVTRMBU	Rigid mount U-bolt bracket (QTY of 2) (316 stainless steel)
CSVTRMBK	Rigid mount bracket (QTY of 2) (316 stainless steel)
CSVTSMB	Replacement standard mounting brackets (QTY of 2) (301 stainless steel)
MHCH36SS	36" stainless steel chain (QTY of 2)

How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Output power of emergency driver. P = 10W for IE10WCPHE

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. The LPW rating is also available at [Designlight Consortium](#).

CSVT Vapor Tight LED Strip Light



Shown with CSVTRMBA



Shown with CSVTSMB
(ships standard with fixture)



Shown with CSVTRMBU



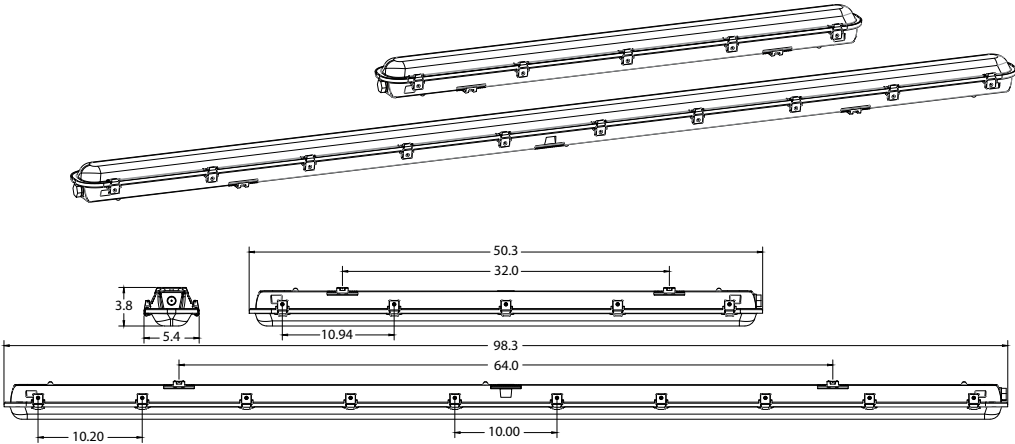
Shown with CSVTRMBK

DIMENSIONS

All dimensions are shown in inches unless otherwise noted.

Length	Width	Height	Length	Approximate weight	Fixtures per pallet
L48	5.4	3.8	50.3	5 lbs	70
L96	5.4	3.8	98.3	10 lbs	70

*Weights will vary slightly with added options.



CSVT Vapor Tight LED Strip Light

OPERATIONAL DATA

Length	Package	Voltage	Watts	3500 K		4000 K		5000 K		Comparable Lightsource
				Lumens	LPW	Lumens	LPW	Lumens	LPW	
L48	3000LM	MVOLT	24	3033	125	3106	128	3134	129	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
		347	28		108		110		11	
	4000LM	MVOLT	34	4065	119	4163	122	4200	123	2-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
		347	40		102		105		106	
	5000LM	MVOLT	42	4829	115	4946	118	4989	119	2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID
		347	49		99		101		102	
	6000LM	MVOLT	49	6066	125	6213	128	6268	129	2-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
		347	56		42		110		111	
	ALO3 (3000LM)	MVOLT	24	3019	124	3106	128	3141	129	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
		347	28		107		110		111	
	ALO3 (4000LM)	MVOLT	34	4046	118	4163	122	4210	123	2-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
		347	40		102		105		106	
	ALO3 (5000LM)	MVOLT	42	4806	114	4946	118	5001	119	2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID
		347	49		98		101		102	
L96	6000LM	MVOLT	49	6066	125	6213	128	6268	129	2-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
		347	56		108		110		111	
	8000LM	MVOLT	68	8130	119	8326	122	8400	123	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
		347	80		102		105		106	
	10000LM	MVOLT	84	9658	115	9891	118	9979	119	4-lamp 32W T8, 2-lamp 54W T5H0, 150W HID
		347	98		99		101		102	
	12000LM	MVOLT	103	12133	118	12425	121	12535	122	4-lamp 32W T8, 3-lamp 54W T5H0, 150W HID
		347	120		101		104		105	
	ALO4 (6000LM)	MVOLT	49	6038	124	6213	128	6283	129	2-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
		347	56		107		110		111	
	ALO4 (8000LM)	MVOLT	68	8092	118	8326	122	8420	123	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
		347	80		102		105		106	
	ALO4 (10000LM)	MVOLT	84	9613	114	9891	118	10003	119	4-lamp 32W T8, 2-lamp 54W T5H0, 150W HID
		347	98		98		101		102	

*All values are typical and are at 25C. Actual performance may vary and is dependent on operating environment.

PROJECTED LUMEN MAINTENANCE			
Lumen Maintenance Factor	0.91	0.81	0.75
Operating Hours	40,000	90,000	120,000

*Actual performance may vary based on ambient temperature of installed location.

Ambient Temperature Ratings

Fixture Length	Lumen Package	Temperature rating	Temperature rating with IE7WC
L48	3000LM	-40° C - 45° C	0° C to 30° C
	4000LM	-40° C - 45° C	0° C to 30° C
	5000LM	-40° C - 45° C	0° C to 30° C
	6000LM	-40° C - 35° C	0° C to 30° C
L96	6000LM	-40° C - 30° C	0° C to 30° C
	8000LM	-40° C - 30° C	0° C to 30° C
	10000LM	-40° C - 30° C	0° C to 30° C
	12000LM	-40° C - 30° C	0° C to 30° C

Number of Boards and Drivers

Fixture length	Lumen package	Driver QTY	Board QTY
L48	3000LM	1	1
	4000LM	1	1
	5000LM	1	1
	6000LM	1	1
	ALO3	1	1
L96	6000LM	1	2
	8000LM	1	2
	10000LM	1	2
	12000LM	2	2
	ALO4	1	2



VCPG LED Parking Garage

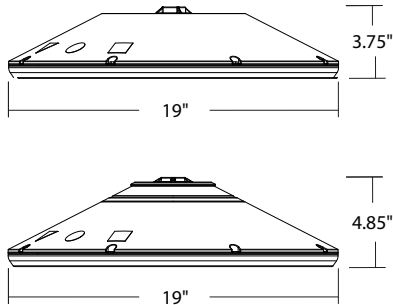


Specifications

Diameter: 19"

Height: 3.75"
(4.85" with Up-Light)

Weight 18 lbs
(max, with no options):



A+ Capable options indicated by this color background.

Introduction

The all new VCPG LED (Visually Comfortable Parking Garage) luminaire is designed to bring glare control, optical performance and energy savings into one package. The recessed lens design of VCPG LED minimizes high angle glare, while its precision molded acrylic lens eliminates LED pixilation and delivers the required minimums, verticals and uniformity. The dedicated up-light module option reduces the contrast between the luminaire and the ceiling creating a more visually comfortable environment.

The VCPG LED delivers up to 87% in energy savings when replacing 175W metal halide luminaires. With over 100,000 hour life expectancy (12+ years of 24/7 continuous operation), the VCPG LED luminaire provides significant maintenance savings over traditional luminaires.

Ordering Information

EXAMPLE: VCPG LED V4 P4 40K 70CRI T5M MVOLT SRM DNAXD

VCPG LED	V4	P2	40K	80CRI	T5R	MVOLT	
Series	LED Light Engines	Package	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
VCPG LED	V4 4 Light Engines	P1	30K 3000 K	70CRI	TSM Type V, medium	MVOLT	For ordering with fuse
	V8 8 Light Engines	P2	35K 3500 K	80CRI	TSR ¹ Type V, rectangular	347	120
		P3	40K 4000 K		T5W Type V, wide	480	208
		P4	50K 5000 K		T5E Type V entry		240
		P5			LANE ¹ Drive lane		277
		P6					347
		P7 (with V8 only)					480
							Shipped included
							PM Pendant mount standard (24-inch length supply leads)
							SRM Surface mount (24-inch length supply leads)
							ARM Arm mount (use RSXWBA accessory to mount to a wall)
							Shipped separately
							YK Yoke/trunnion mount ²

Options	Finish (required)	Packaging
Shipped installed UPL1 Up-Light: 500 lumens ³ UPL2 Up-Light: 700 lumens ⁴ E8WC Emergency battery backup, Certified in CA Title 20 MAEDBS (8W, -20°C min) ^{5,6,7} E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) ^{5,6,7} HA High ambient (50°C, only P1-P4) SF Single fuse (120V, 277V, 347V) DF Double fuse (208V, 240V, 480V) SPD10KV 10KV Surge Pack LDS36 36in (3ft) lead length LDS72 72in (6ft) lead length LDS108 108in (9ft) lead length DMG External 0-10V leads (no controls) ⁸ TP Tamper proof screws CCE Coastal Construction Shipped Separately WG Wire Guard BDS Bird Shroud HS House Side Shield BSW Bird Spikes	Standalone Sensors/Controls¹ PIR Motion/ambient sensor for 8-15' mounting heights PIRH Motion/ambient sensor for 15-30' mounting heights PIR3FC3V Motion/ambient sensor for 8-15' mounting heights, pre programmed to 3fc and 35% light output PIRH3FC3V Motion/ambient sensor for 15-30' mounting heights, pre programmed to 3fc and 35% light output Networked Sensors/Controls¹ NLTAIR2 PIR nLIGHT AIR Wireless enabled motion/ambient sensor for 8-15' mounting heights NLTAIR2 PIRH nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights NLTAIREM2 PIR nLIGHT AIR Wireless enabled, UL924 Listed motion/ambient sensor for 8-15' mounting heights ⁹ NLTAIREM2 PIRH nLIGHT AIR Wireless enabled, UL924 Listed motion/ambient sensor for 15'-30' mounting heights ⁹	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black (blank) Job Pack/Units (ships as job pack of 18pcs per; balance in units) U Unit packs only

Ordering Information Cont.

Accessories

Ordered and shipped separately.

VCPGBDS DWHXD U	Bird shroud for PM (specify finish)	VCPGWG U	Wire guard
VCPGBDS YK DWHXD U	Bird shroud for YK (specify finish)	SLVSQ	Quick mount pendant swivel kit, square
VCPGUBDS DWHXD U	Bird shroud for PM with Up-Light (specify finish)	SLVRD	Quick mount pendant swivel kit, round
VCPGUBDS YK DWHXD U	Bird shroud for YK with Up-Light (specify finish)	VCPG YK DWHXD U	Yoke mount kit (specify finish)
VCPGSRM U	Surface mount kit, with no Up-Light	RSXWBA DWHXD U	RSX WBA wall bracket (specify finish)
VCPGUSRM U	Surface mount kit, with Up-Light	VCPGHS U	House side shield
VCPGSC120	Safety cable 120"		

NOTES

- 1 Not available in P7 package or with V8 option.
- 2 Only vertical height adjustment. No angle adjustment. Use PM and SLVSQ or SLVRD for mounting to angled ceiling or canopies.
- 3 UPL1 not available with dim-to-off functionality.
- 4 UPL2 available with dim-to-off upon request.
- 5 Not available with 347V or 480V.
- 6 E8WC and E10WH only rated up to 35°C ambient.
- 7 E8WC & E10WH only available with P1-P4 packages.
- 8 DMG option not available with standalone or networked sensors/controls.
- 9 Needs an nLight AIR Normal Power Sensing (NPS) device in the group.

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.

Performance Package	Watts	Distribution Type	30K (3000K, 70 CRI)		35K (3500K, 70 CRI)		40K (4000K, 70 CRI)		50K (5000K, 70 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	27W	TSE	3,581	135	3,670	138	3,815	144	3,876	146
		TSM	3,620	136	3,710	140	3,856	145	3,917	147
		TSW	3,592	135	3,681	139	3,827	144	3,888	146
		TSR	3,464	130	3,550	134	3,690	139	3,749	141
		LANE	3,507	132	3,594	135	3,736	141	3,796	143
P2	34W	TSE	4,577	135	4,691	138	4,876	144	4,954	146
		TSM	4,626	136	4,741	140	4,928	145	5,007	147
		TSW	4,591	135	4,705	139	4,891	144	4,968	146
		TSR	4,427	130	4,537	134	4,716	139	4,791	141
		LANE	4,482	132	4,594	135	4,775	141	4,851	143
P3	43W	TSE	5,808	134	5,952	137	6,187	143	6,286	145
		TSM	5,870	135	6,015	139	6,253	144	6,353	146
		TSW	5,825	134	5,970	138	6,205	143	6,304	145
		TSR	5,617	130	5,757	133	5,984	138	6,079	140
		LANE	5,688	131	5,829	134	6,059	140	6,155	142
P4	56W	TSE	7,391	131	7,575	135	7,874	140	7,999	142
		TSM	7,470	133	7,656	136	7,958	141	8,085	144
		TSW	7,414	132	7,597	135	7,898	140	8,023	143
		TSR	7,149	127	7,326	130	7,615	135	7,737	137
		LANE	7,238	129	7,418	132	7,711	137	7,834	139
P5	82W	TSE	10,189	124	10,442	127	10,854	132	11,027	134
		TSM	10,298	125	10,553	128	10,970	134	11,145	136
		TSW	10,220	124	10,473	128	10,887	133	11,060	135
		TSR	9,855	120	10,099	123	10,498	128	10,665	130
		LANE	9,978	121	10,226	124	10,629	129	10,799	131
P6	108W	TSE	12,878	120	13,197	123	13,719	127	13,937	129
		TSM	13,015	121	13,338	124	13,865	129	14,086	131
		TSW	12,917	120	13,237	123	13,760	128	13,979	130
		TSR	12,455	116	12,764	119	13,268	123	13,480	125
		LANE	12,611	117	12,924	120	13,435	125	13,649	127
P7	122W	TSE	15,503	125	15,887	128	16,515	133	16,778	135
		TSM	15,668	126	16,057	129	16,691	135	16,957	137
		TSW	15,549	125	15,935	129	16,564	134	16,828	136

Up-light Lumen Output

Up-light Option	Watts	Lumens
UPL1	6.5W	519
UPL2	8.5W	715

Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.926
35K	0.945
40K	0.967
50K	0.965

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	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1
30°C	86°F	0.99
40°C	104°F	0.98

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	1.0	0.97	0.94	0.89

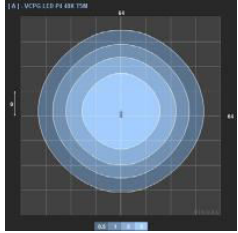
Electrical Load

Power Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	27W	0.22	0.13	0.12	0.10	0.08	0.06
P2	34W	0.28	0.16	0.14	0.13	0.10	0.08
P3	43W	0.37	0.21	0.18	0.16	0.13	0.09
P4	56W	0.48	0.28	0.24	0.21	0.16	0.12
P5	82W	0.68	0.40	0.35	0.30	0.24	0.18
P6	108W	0.91	0.52	0.45	0.39	0.32	0.23
P7	124W	1.03	0.59	0.51	0.44	0.37	0.27

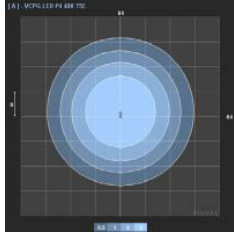
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the [Lithonia Lighting VCPG LED homepage](#).
Tested in accordance with IESNA LM-79 and LM-80 standards

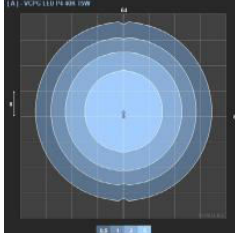
VCPG LED P4 T5M 40K



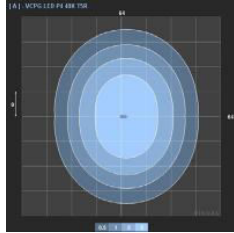
VCPG LED P4 T5E 40K



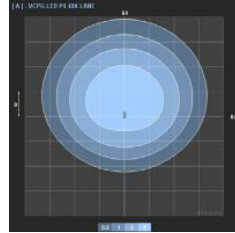
VCPG LED P4 T5W 40K



VCPG LED P4 T5R 40K



VCPG LED P4 LANE 40K



Control/Sensor Options

Motion/Ambient Sensor (PIR_, PIRH)

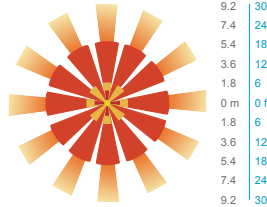
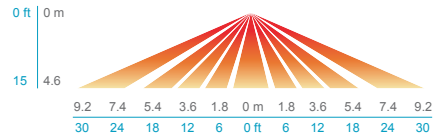
Motion/Ambient sensor (Sensor Switch MSOD, nLight AIR RMSOD) is integrated into the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™+) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

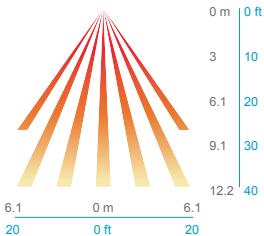
PIR

HIGH VIEW

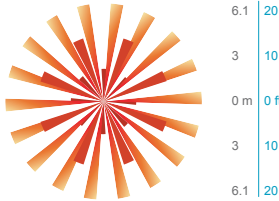


PIRH

SIDE VIEW



TOP VIEW



Motion/Ambient Sensor Default Settings

Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR3FC3V or PIRH3FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 3fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec

Mounting, Options & Accessories



PM – Pendant Mount
(compatible with 3/4 NPT,
pendant stem provided by
others)

D = 19"
H = 4.1"



SRM – Surface Mount

D = 19"
H = 4.1"



**SRM – Surface Mount
with Up-Light**

D = 19"
H = 5.3"



YK – Yoke/Trunnion Mount

D = 19"
H (Yoke) = 10"-18"



ARM – Arm Mount

L = 28"
W = 19"
H = 8"



**PIR & PIRH – Motion/
Ambient sensor**

D = 19"
H = 4.6" or
+1.2" (with up-light)
+2" (with nLight AIR)



**BDS – Bird shroud for
pendant mount**

D = 19"
H = 8"



**BDS – Bird shroud for
yoke mount**

D = 19"
H (Yoke) = 10"-18"



WG – Wire guard

D = 19"
H = 4.9" (no up-light) or
5.9" (with up-light)



HS – House side shield

D = 19"
H = 7.1" (no up-light) or
8.1" (with up-light)

FEATURES & SPECIFICATIONS

INTENDED USE

The visually comfortable optics, energy savings, and long life of the VCPG LED Parking Garage luminaire make it an ideal choice for new commercial installations and retrofit parking garage opportunities. It is designed to meet or exceed recommended illuminance criteria when installed as a direct replacement of most HID parking garage luminaires. Its modern dayform and aesthetics also make it appealing for indoor low-bay applications.

CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is separated from the heat generating light engines and mounted in direct contact with the casting to promote low operating temperatures, higher lumen maintenance and long life. The housing is completely sealed against moisture and environmental contaminants (IP66) and is suitable for hose-down application.

FINISH

Exterior painted 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 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS

Light guide technology provides a diffused light source, reducing glare from direct view of the LEDs. The light source is recessed into the luminaire, further reducing the high angle glare from the luminaire. A combination of precision molded micro prismatic acrylic lenses and back reflectors provide five different photometric distributions tailored specifically to parking garage applications. Up-light option comes with a dedicated light engine and custom optic designed to efficiently spread light on to the ceiling, thus reducing the cave effect.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L89/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%, and a minimum 6.0 KV surge rating. When ordering the SPD10KV option, a separate 10kV (5kA) surge protection device is installed within the luminaire which meets a minimum Category C load operation (per ANSI/IEEE C62.41.2). Luminaire is 0-10V dimmable down to 10% or lower.

INSTALLATION

Standard configuration accepts a rigid or free-swinging 3/4" NPT stem for pendant mounting. The surface mount option attaches to a 4x4" recessed or surface mount outlet box using a quick-mount kit (included); kit contains galvanized steel luminaire and outlet box plates and a full pad gasket. Kit has an integral mounting support that allows the luminaire to hinge down for easy electrical connections. Luminaire and plates are secured with set screws. Also, available with a yoke/trunnion mount option with 3/4" NPT provision for flexible conduit entry (conduit by others); height can be adjusted from 10-18". Supply leads are 24" in length as standard. Longer supply leads are available as additional options. Design can withstand up to a 3.0 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. IP66 rated for outdoor applications. PIR options are rated for wet location. IK08 Rated. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.



QTE LED Floodlight



Introduction

QTE LED is a family of cost effective, energy efficient floodlights. These are the ideal replacements for up to 500W Quartz Halogen floodlights, and deliver energy savings of up to 85% with over 10 years of service life. QTE LED floodlights are great for illuminating yards, driveways, buildings, billboards and signage, and for general flood lighting.

Ordering Information

EXAMPLE: QTE LED P1 40K 120 THK DDB

QTE LED	P1	40K	120	YK	DDB
Series	Performance Package	Color Temperature	Voltage	Mounting	Finish (required)
QTE LED	P1 2,500 lumens, 25W ¹	40K 4000K * 50K 5000K	120 120 Volts	YK Yoke mount ²	DDB Dark bronze

*Nominal correlated color temperature per ANSI C78-377-2015

NOTES

1. QTE LED P1 version, can be used for submission to Title 24 applications.
2. Yoke mount is not available with P1.

FEATURES & SPECIFICATIONS

INTENDED USE

QTE LED is suitable for replacing up to 500W Quartz Halogen. It is ideal for landscape, signage, and general purpose lighting in commercial and residential applications.

CONSTRUCTION

Die-cast aluminum housing has integral heat sink fins to optimize thermal management. Rated for - 40°C to 40°C ambient temperature. Tempered glass lens is fully gasketed.

Available with knuckle and yoke mount.

FINISH

Durable powder coat finish for protection from corrosion and weathering. Available in dark bronze.

ELECTRICAL

Chip-on-board (COB) LEDs are directly coupled to the housing to maximize heat dissipation and lifespan (L70 / 50,000 hrs). 6kV surge protection.

INSTALLATION

Mounts easily to junction box or under building cave. Suitable for ground mount applications.

LISTINGS

UL Certified to US and Canadian safety standards. Wet location listed.

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/QPL to confirm which versions are qualified. Can be used to comply with California Title 24 Part 6 High Efficacy LED Light Source Requirements.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

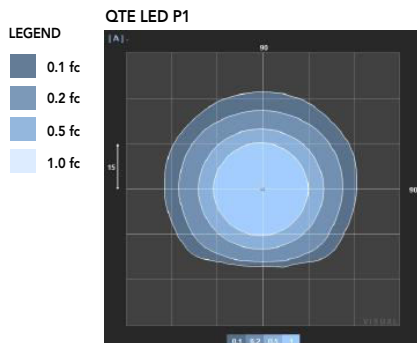
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Performance Data

	Lumen Output	Input Power	Efficacy (Lumens per Watt)
QTE LED P1	2,500	24W	104

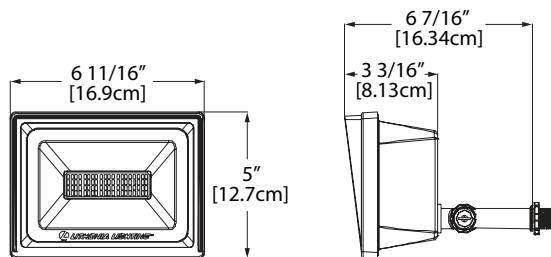
Photometric Diagrams

Full photometric data report available within 2 weeks from request. Contact [Acuity Tech Support](#).

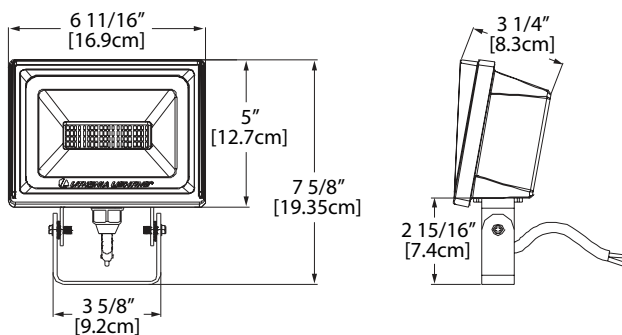


Dimensions

QTE P1



QTE P1



LUMINIS®

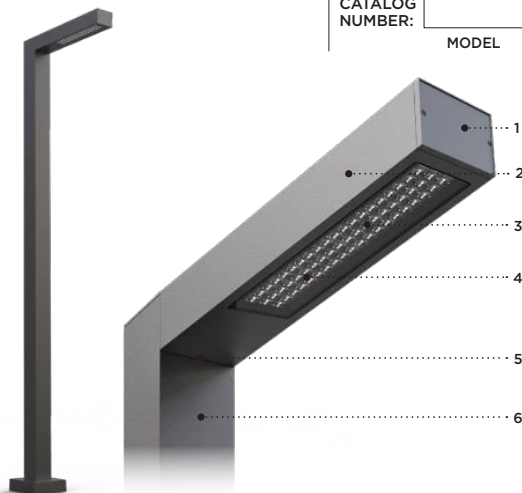
BVA21/BVA31/BVA32 SERIES

Bellevue

POLE MOUNT

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:							
	MODEL	LED LIGHT SELECTION	POLE	VOLTAGE	FINISH	OPTION	OPTION



- 1- Front cover constructed of corrosion resistant cast aluminum.
- 2- 4.5" (114mm) x 6" (152mm) Extruded aluminum optical chamber.
- 3- Modular LED boards with acrylic optics. 30 or 60 LEDs configurations available.
- 4- Clear tempered glass.
- 5- Heavy gauge steel mounting plate with leveling adjustment (5° total). Head mounting height can be customized upon request (contact factory).
- 6- 6" (152mm) x 6" (152mm) 6061-T6 aluminum pole. 0.25" wall thickness. All stainless steel hardware.



MATERIALS

Bellevue is made of 6063-T6 extruded aluminum alloy. Cast parts are made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%.

LED board is assembled on a thick extruded aluminum profile and protected by a clear tempered glass. The acrylic optics provide a wide range of roadway optics. The driver is mounted either in the pole access door (Single Head Configuration) or in the pole top cap (P2, P290, P3, P4) for ease of maintenance.

ELECTRICAL

DRIVER Standard driver is 120-277V multi-volt compatibility (50-60Hz), 0-10V dimming-ready (dims to 10%). Optional 347/480V, operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

LED Type II, III, IV or V light distribution via high performance optical lenses. Offered in 2700K, 3000K, 3500K, 4000K. See the CCT options for details. Optional true amber LED for turtle sensitive areas. Wavelengths: 585nm to 597nm.

LIFETIME

60,000hrs L_{70B50} (based on LM-80 report for lumen maintenance).

FINISH

Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

Certified and Approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65.

Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards.

MOUNTING

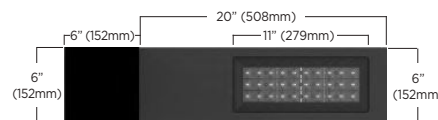
Maximum weight: 21 lbs (9.5 kg)

Bellevue is designed for ease of access and installation.

The head is secured on the pole by a set of (4) 5/16-18 bolts.

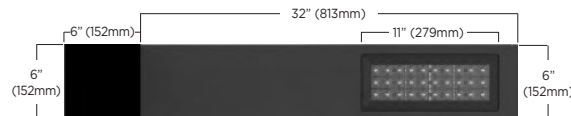
The cast aluminum base plate is secured with a set of (4) 3/4"-10 x 18" lg. galvanized anchor bolts. Accessibility is done through a flush mount 3" x 10" (76 x 254) hand hole cover plate. See page 4 for pole base mounting details.

BVA21



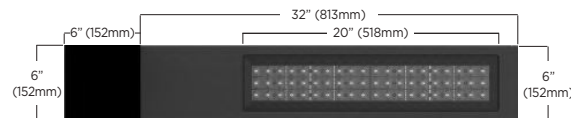
EPA value: 0.75 ft²

BVA31



EPA value: 1.2 ft²

BVA32



EPA value: 1.2 ft²




October 2023 Rev. 11


BVA21/BVA31/BVA32 SERIES Bellevue

LUMINAIRE SELECTION - BVA21/BVA31

1 MODEL



☐ BVA21



☐ BVA31

2 LED LIGHT SELECTION WHITE (4000K/80CRI)

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE II	<input type="checkbox"/> L1L40-TYP2	4051	36
	<input type="checkbox"/> L1L50-TYP2	5070	46
	<input type="checkbox"/> L1L60-TYP2	6056	57
	<input type="checkbox"/> L1L70-TYP2	7011	68
TYPE III	<input type="checkbox"/> L1L40-TYP3	4051	36
	<input type="checkbox"/> L1L50-TYP3	5070	46
	<input type="checkbox"/> L1L60-TYP3	6056	57
	<input type="checkbox"/> L1L70-TYP3	7011	68
TYPE IV	<input type="checkbox"/> L1L40-TYP4	3780	36
	<input type="checkbox"/> L1L50-TYP4	4731	46
	<input type="checkbox"/> L1L60-TYP4	5652	57
	<input type="checkbox"/> L1L70-TYP4	6542	68
TYPE V	<input type="checkbox"/> L1L40-TYP5	4186	36
	<input type="checkbox"/> L1L50-TYP5	5240	46
	<input type="checkbox"/> L1L60-TYP5	6259	57
	<input type="checkbox"/> L1L70-TYP5	7245	68

AMBER LED LIGHT SELECTION - TURTLE FRIENDLY

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE II	<input type="checkbox"/> L1LK2A-TYP2	1785	14
TYPE III	<input type="checkbox"/> L1LK2A-TYP3	1785	14
TYPE IV	<input type="checkbox"/> L1LK2A-TYP4	1666	14
TYPE V	<input type="checkbox"/> L1LK2A-TYP5	1845	14

3 POLE*

POLE MODEL	HEIGHT
<input type="checkbox"/> BVP610	120"
<input type="checkbox"/> BVP612	144"
<input type="checkbox"/> BVP614	168"
<input type="checkbox"/> BVP616	192"
<input type="checkbox"/> BVP618	216"
<input type="checkbox"/> BVP620	240"

VERIFY

4 VOLTAGE¹

☐ 120V
☐ 208V
☐ 240V
☐ 277V

Optional
☐ 347V
☐ 480V

VERIFY

5 FINISH

STANDARD COLORS*

☐ **WHT** Snow white
☐ **BKT** Jet black
☐ **BZT** Bronze
☐ **MST** Matte silver
☐ **GRT** Titanium gray
☐ **DGT** Gun metal
☐ **CHT** Champagne
☐ **SGT** Steel gray
☐ **BGT** English cream

OPTIONAL COLORS


☐ **CS** Custom color
☐ **RAL** RAL# color

*Refer to color chart

VERIFY

LUMINAIRE SELECTION - BVA32

1 MODEL



☐ BVA32

2 LED LIGHT SELECTION WHITE (4000K/80CRI)

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE II	<input type="checkbox"/> L2L80-TYP2	8102	75
	<input type="checkbox"/> L2L100-TYP2	10141	93
	<input type="checkbox"/> L2L120-TYP2	12113	114
	<input type="checkbox"/> L2L140-TYP2	14022	136
TYPE III	<input type="checkbox"/> L2L80-TYP3	8102	75
	<input type="checkbox"/> L2L100-TYP3	10141	93
	<input type="checkbox"/> L2L120-TYP3	12113	114
	<input type="checkbox"/> L2L140-TYP3	14022	136
TYPE IV	<input type="checkbox"/> L2L80-TYP4	7560	75
	<input type="checkbox"/> L2L100-TYP4	9463	93
	<input type="checkbox"/> L2L120-TYP4	11304	114
	<input type="checkbox"/> L2L140-TYP4	13085	136
TYPE V	<input type="checkbox"/> L2L80-TYP5	8372	75
	<input type="checkbox"/> L2L100-TYP5	10479	93
	<input type="checkbox"/> L2L120-TYP5	12518	114
	<input type="checkbox"/> L2L140-TYP5	14490	136

AMBER LED LIGHT SELECTION - TURTLE FRIENDLY

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE II	<input type="checkbox"/> L2LK2A-TYP2	3570	28
TYPE III	<input type="checkbox"/> L2LK2A-TYP3	3570	28
TYPE IV	<input type="checkbox"/> L2LK2A-TYP4	3331	28
TYPE V	<input type="checkbox"/> L2LK2A-TYP5	3689	28

3 POLE*

POLE MODEL	HEIGHT
<input type="checkbox"/> BVP610	120"
<input type="checkbox"/> BVP612	144"
<input type="checkbox"/> BVP614	168"
<input type="checkbox"/> BVP616	192"
<input type="checkbox"/> BVP618	216"
<input type="checkbox"/> BVP620	240"

4 VOLTAGE¹

☐ 120V
☐ 208V
☐ 240V
☐ 277V

Optional
☐ 347V
☐ 480V

5 FINISH

STANDARD COLORS*

☐ **WHT** Snow white
☐ **BKT** Jet black
☐ **BZT** Bronze
☐ **MST** Matte silver
☐ **GRT** Titanium gray
☐ **DGT** Gun metal
☐ **CHT** Champagne
☐ **SGT** Steel gray
☐ **BGT** English cream

OPTIONAL COLORS

☐ **CS** Custom color
☐ **RAL** RAL# color

*Refer to color chart

BVA21/BVA31/BVA32 SERIES Bellevue

OPTIONS

ELECTRICAL

- ☐ **FS** Fuse
- ☐ **PHSC** NEMA C136.41 7-PIN receptacle with shorting cap preinstalled
- ☐ **PH7** NEMA C136.41 7-PIN receptacle with photocell sensor preinstalled
- ☐ **SP** 10kV surge protector
- ☐ **MS** Motion sensor device (high/low 25%). 270° coverage.⁴
- ☐ **MSH** In-head motion sensor device (high/low 25%). 300° coverage.⁴

CCT/CRI

Alternate CCT °K LED (LCF: Lumen conversion factor)

- ☐ **K27** 2700K / 80 CRI (LCF 0.91)
- ☐ **K30** 3000K / 80 CRI (LCF 0.94)
- ☐ **K35** 3500K / 80 CRI (LCF 0.98)
- ☐ **K40** 4000K / 80 CRI (LCF 1.00)

- ☐ **HS** House side shield³ (LCF 0.8)

NOTE: Other CCT & higher CRI available, please consult factory.

CONTROL

- ☐ **NLTAIR2** In-head nLight AIR 2.0 Motion Sensor. 300° coverage.^{4,6}

POLE OPTIONS (see page 4 for details)

- ☐ **GFI** Ground fault circuit interruption flush receptacle²
- ☐ **CGF** Ground fault circuit interruption with clear in-use cover²
- ☐ **T15** Arm mounted on a 15° tilt. Note that the distribution of the illumination will be affected by the angle.⁷

Multiple mountings⁵

- ☐ **P2** Twin mount @ 180°
- ☐ **P290** Twin mount @ 90°
- ☐ **P3** Triple mount @ 90°
- ☐ **P4** Quadruple mount
- ☐ **PCST** Custom configuration. See separate custom configuration form to fill in the information

FAUX WOOD COLORS⁹

- | | |
|--|--|
| <input type="checkbox"/> ADG American douglas | <input type="checkbox"/> MPL Maple |
| <input type="checkbox"/> BRC Birch | <input type="checkbox"/> OFL Oak |
| <input type="checkbox"/> CHN Chestnut | <input type="checkbox"/> RSW Rosewood |
| <input type="checkbox"/> CRY Cherry | <input type="checkbox"/> TEK Teak |
| <input type="checkbox"/> KNP Knotty pine | <input type="checkbox"/> WLN Walnut |

NOTES

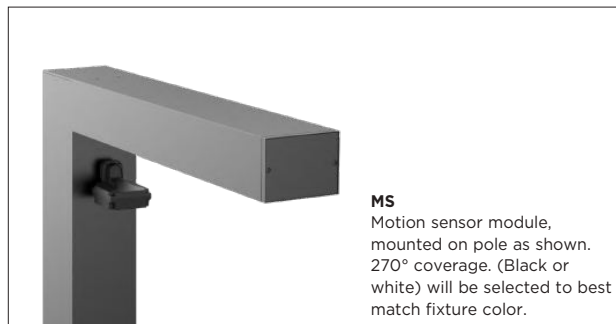
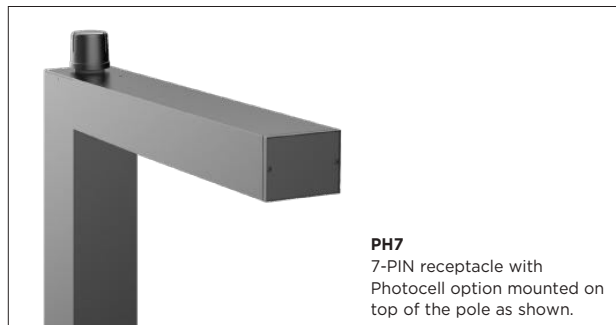
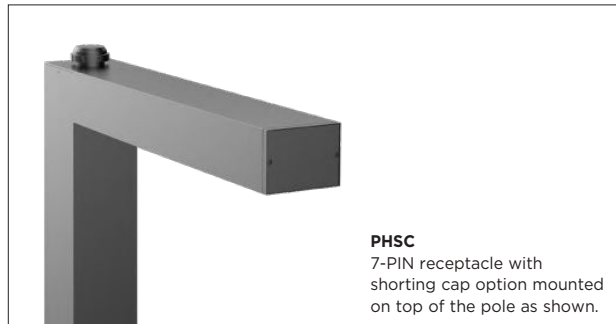
- 1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2- GFI and CGF options are installed 30" above grade on access door side. CGF cover protrudes by 3.62" (92mm). 120V required for GFI or CGF.
- 3- HS not available on Type V. Cannot be installed on site.
- 4- Not compatible with PHSC and PH7 options.
- 5- For multiple mounting please verify with your local wind zone and with a recognized authority.
- 6- Must link to external nLight Air network.
- 7- T15 pole angled top cover only with Single Head Configuration.
- 8- For 14' to 20' poles installed in Canada, consult factory.
- 9- Faux wood finish not applied to the fixture head, base cover or hand-hole.



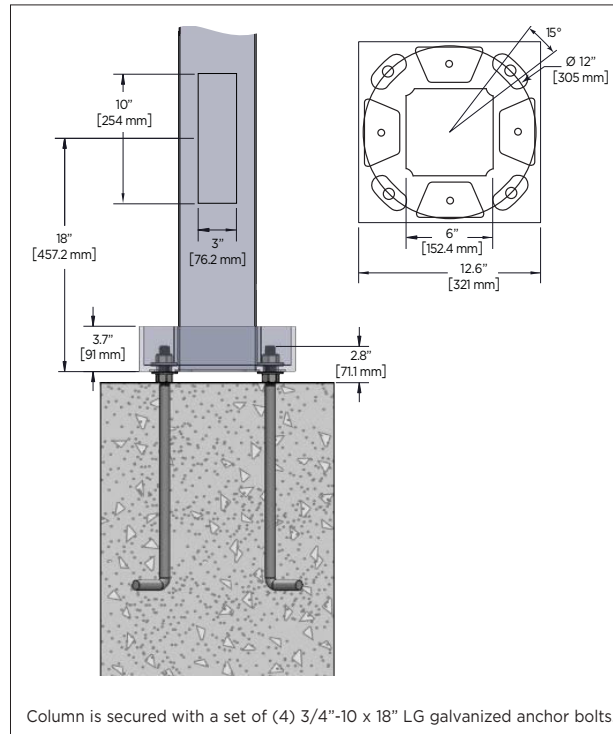
For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

BVA21/BVA31/BVA32 SERIES Bellevue

ELECTRICAL DETAILS



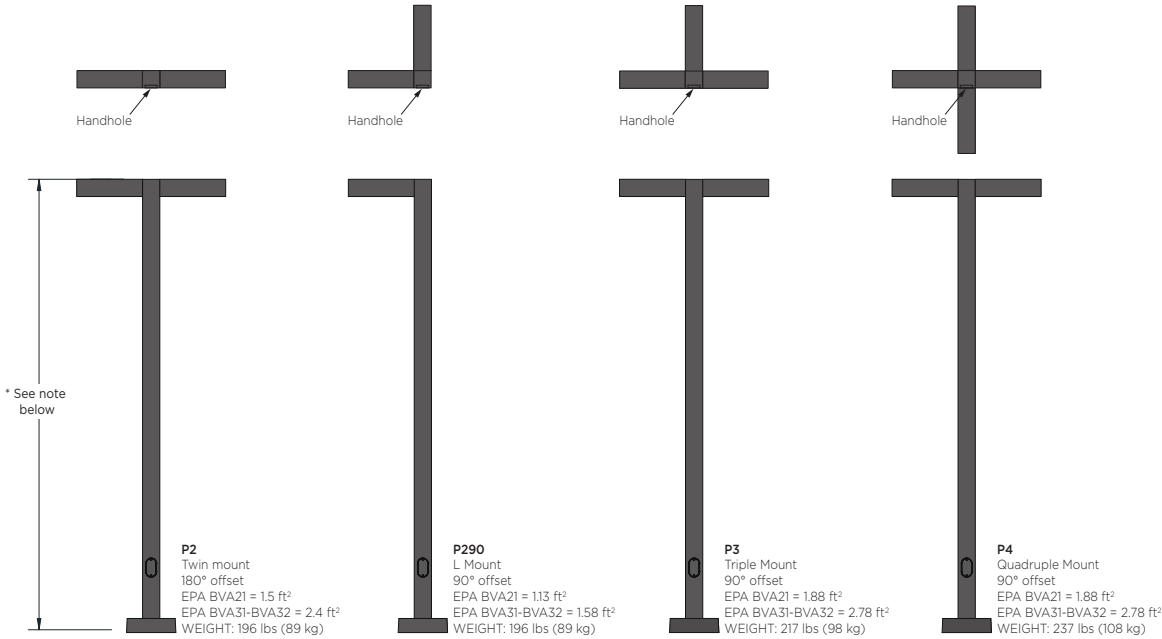
MOUNTING INFORMATION



BVA21/BVA31/BVA32 SERIES

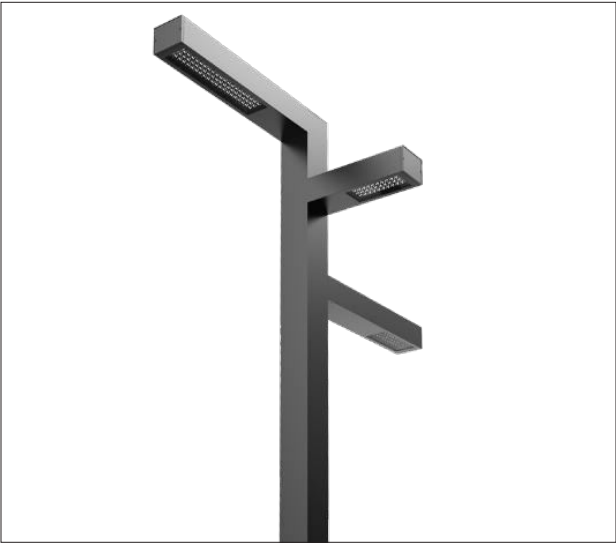
Bellevue

POLE OPTIONS - MULTIPLE MOUNTINGS



* Mounting configurations shown on this page are for 20ft height pole at 100mph wind. For different mounting configurations and wind zones please consult with factory and structural engineer. To specify these assemblies: Fixture quantity should be total number of fixture heads, and include the pole number and pole options. For 14' to 20' poles installed in Canada, consult factory.

PCST CUSTOM CONFIGURATION (See separate order form for details)

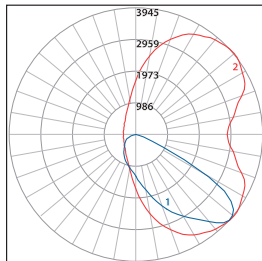


T15 15° tilt in arm

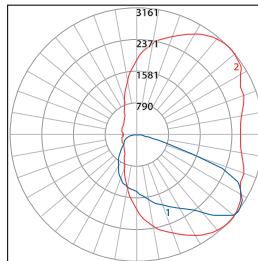


BVA21/BVA31/BVA32 SERIES Bellevue

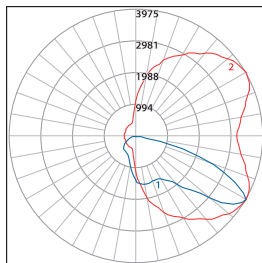
TYPICAL PHOTOMETRY SUMMARY



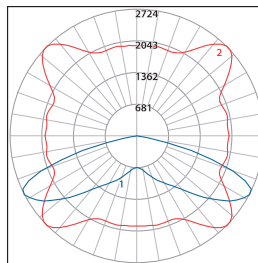
BVA21-L1L70-TYP2 / BVA31-L1L70-TYP2
Total Lms: 7011 Lumens
Total Input Watts: 68 W
BUG: B1-U0-G2
Maximum Candela: 3945 @ 38°H/48°V



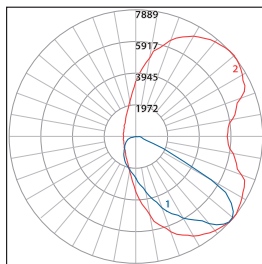
BVA21-L1L70-TYP3 / BVA31-L1L70-TYP3
Total Lms: 7011 Lumens
Total Input Watts: 68 W
BUG: B2-U0-G1
Maximum Candela: 3161 @ 42°H/52°V



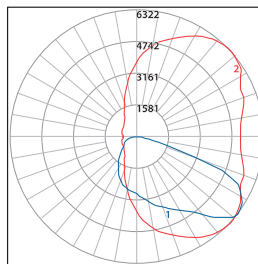
BVA21-L1L70-TYP4 / BVA31-L1L70-TYP4
Total Lms: 6542 Lumens
Total Input Watts: 68 W
BUG: B1-U0-G2
Maximum Candela: 3975 @ 30°H/60°V



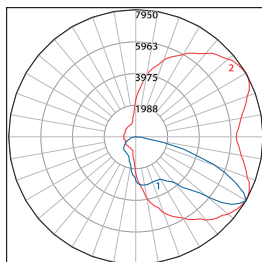
BVA21-L1L70-TYP5 / BVA31-L1L70-TYP5
Total Lms: 7245 Lumens
Total Input Watts: 68 W
BUG: B3-U0-G1
Maximum Candela: 2724 @ 135°H/62°V



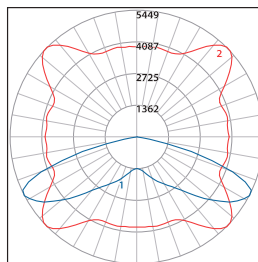
BVA32-L2L140-TYP2
Total Lms: 14022 Lumens
Total Input Watts: 136 W
BUG: B2-U0-G2
Maximum Candela: 7889 @ 38°H/48°V



BVA32-L2L140-TYP3
Total Lms: 14022 Lumens
Total Input Watts: 136 W
BUG: B3-U0-G2
Maximum Candela: 6322 @ 42°H/52°V



BVA32-L2L140-TYP4
Total Lms: 13085 Lumens
Total Input Watts: 136 W
BUG: B2-U0-G2
Maximum Candela: 7950 @ 30°H/60°V



BVA32-L2L140-TYP5
Total Lms: 14490 Lumens
Total Input Watts: 136 W
BUG: B4-U0-G2
Maximum Candela: 5449 @ 135°H/62°V

All Photometry shown use the Standard 80CRI 4000K LEDs

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

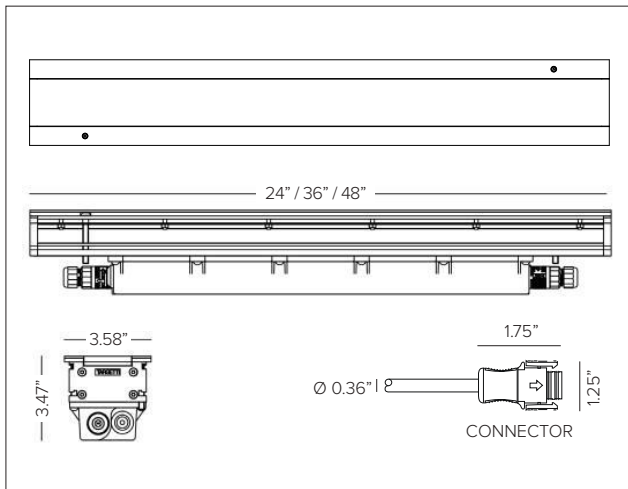
TARGETTI

JEDI RECESSED

Recessed Linear LED Ingrade



JEDI RECESSED



CONCEPT

Powerful recessed linear LED ingrade.

MECHANICAL CHARACTERISTICS

Housing	3.58"W x 3.47"D
Materials	Extruded 15μ anodized aluminum body and black painted die-cast aluminum end caps with extra clear 10mm flat glass with stainless steel AISI 316 border trim, Integral driver housed in black polycarbonate box on underside of fixture.
Finish	● Brushed Natural ● Bronze PVD* ● Black PVD*
	*Physical Vapor Deposition, available upon request.
Power Connection	Cabled with 10ft SJ00W 16-6 cable and DSM&T anti-wicking quick disconnect, 600V rated. Lead and Solo configurations provided with 10ft lead cable.
Mounting	Installation sleeve required for inground flush mounting, see available options. Fixture incorporated with anti-theft stainless steel screws for securing to sleeve.
Weight	7.7lbs (24") / 9lbs (36") / 15lbs (48")
Protection	IP68 [®] / IP69K
Impact	IK10
Load Rating	H-20 fire truck tested resistant to static loads up to 28,229lbs.

CERTIFICATIONS

cULus listed Wet Location Listed E477426
H-20 Load rating tested
Tested in accordance with LM-79-08
Compliant for California installations.
RoHS3 EU 215/863

WARRANTY

5 year limited warranty.

^A Fixture suitable for use in marine grade environments. Stainless Steel trim brushed finished surfaces may need to be cleaned occasionally to prevent collection of mineral deposits. Not to be in direct contact with salt or corrosive agents for extended periods of time.

^B Temporary immersion up to 24 hours at a max depth of 2 meters. Installation of fixture requires proper drainage to prevent any standing water. Should not be used for permanent submersion.

ELECTRICAL CHARACTERISTICS

Power Supply	Integral electronic 0–10V dimmable driver to 1% dim range.
Wattage	27W (24"L) / 39W (36"L) / 51W (48"L) nominal. Consult factory for derated options.
Voltage	Universal Voltage 120-277V AC 50/60Hz
Safe Flicker	PstLM=<1 and SVM=<1 (IEC TR 61547-1 and IEC TR 63158)

SOURCE





SP: High efficiency LED emitter. WW / WG / FL / DV: Linear high efficiency LED board.

TM30	CCT (Nominal)	CRI	R _f	R _g	SDCM
	2700K	80	83	97	2
	3000K	80	82.9	98.8	2
	3500K	80	83	96	2
	4000K	80	82.6	95.7	2

Ra90 available upon request

OPTIC

Optical system is dependent on beam angle. WW / WG / FL is comprised of a primary cylindrical glass lens and a high reflectance anodized aluminum reflector with an integrated holographic filter. SP is comprised of individual lenses for more precise beam and higher intensity. DV is comprised of white silk-screen tempered glass.

Beam	 WW 59°x115°	 WG 15°x76°	 FL 32°x85°	 SP 10°x10°
Delivered Lumens	3000K 2572Lm	2842Lm	2555Lm	1591Lm
<i>Data represents max output version only, refer to photometry section for all fixture variations.</i>	4000K 2700Lm	2983Lm	2682Lm	1723Lm
	<i>For 2700K lumen values use multiplier of 0.96 from 3000K For 3500K lumen values use multiplier of 1.02 from 3000K.</i>			
Efficacy	113lm/W max. Refer to photometric graphs for specific values.			
Lifetime	WW / WG / FL: L92/B10 30,000hrs at max TA +25°C, L87/B10 50,000hrs at max TA +25°C SP: L96/B10 30,000hrs at max TA +25°C, L92/B10 50,000hrs at max TA +25°C			

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

TARGETTI

JEDI RECESSED

SPECIFICATION INFORMATION

JE	R												
1	2	3	4	5	6	7	8	9	10	11	12		

Ex: JER10WW2427SLV / 1E3507

VERIFY COLOR TEMP OPTIONAL

1 - PRODUCT CODE	2 - TYPE	3 - DRIVER	4 - OPTICS	5 - LENGTH	6 - KELVIN	7 - CABLE	8 - OPTIONAL
JE — JEDI	R — Recessed	10 — 0-10V	WW — WW 59°x115° WG — WG 15°x76° FL — FL 32°x85° DV ^o — Direct View SP ^c — SP 10°x10°	24 — 24" 36 — 36" 48 — 48"	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K 30 — 3000K 35 — 3500K 40 — 4000K	L — Lead C — Center E — End S — Solo	LV ^o — Integral Anti-Glare Louver

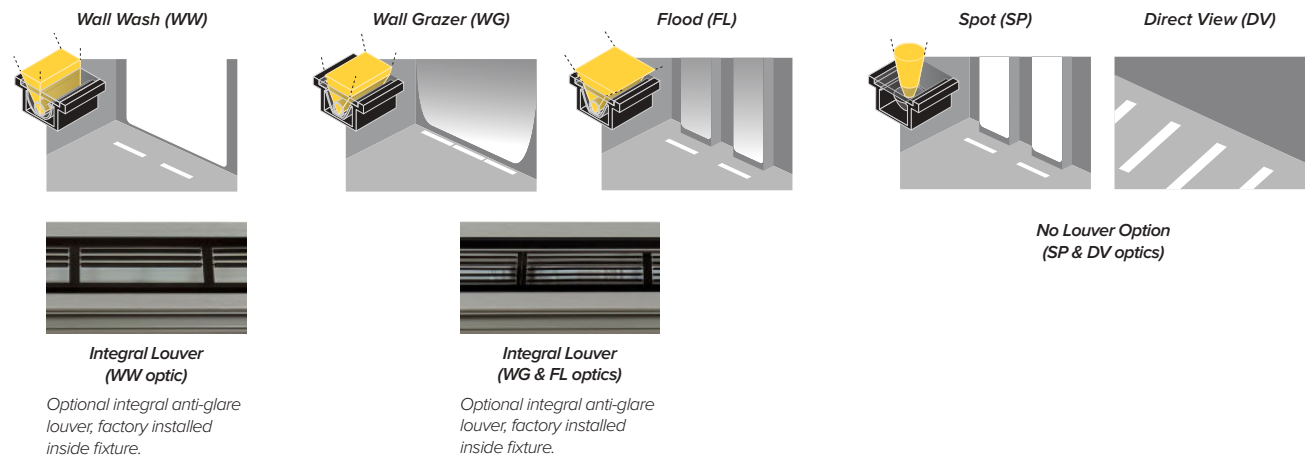
VERIFY

9 - LEAD CONNECTION CABLE	10 - JUMPER CONNECTION CABLE	11 - INSTALLATION	12 - INSTALLATION ACCESSORIES
Additional 25ft Lead See section for details	Additional 10ft Jumper See section for details Additional 25ft Jumper See section for details	Stainless Steel Sleeve See section for details Extruded Aluminum Sleeve See section for details	Anti-vandal Torx Head See section for details Suction Cup See section for details

^c SP optic not available in 2700K.

^o LV option not available with SP or DV optics.

OPTIC VERSIONS

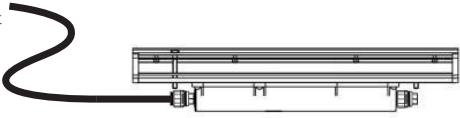


TARGETTI

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7 – CABLE

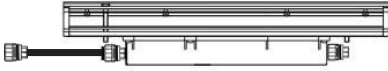
10ft lead cable
120-277V Input



Lead – 10ft SJ00W 16-6 lead cable with DSM&T connector included.

Part No. **L**

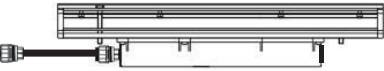
120-277V Input



Center – 32" SJ00W 16-6 jumper cable with DSM&T connectors.

Part No. **C**

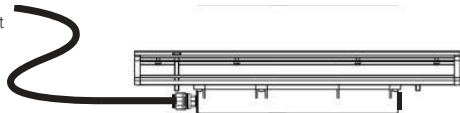
120-277V Input



End – 32" SJ00W 16-6 jumper cable with DSM&T connectors and additional DSM&T cap for dead end.

Part No. **E**


10ft lead cable
120-277V Input



Solo – 10ft SJ00W 16-6 lead cable with DSM&T connector and additional DSM&T cap for dead end.

Part No. **S**

9 – LONGER LEAD CONNECTION CABLE (OPTIONAL)




JEDI longer lead includes SJ00W 16-6 cable with DSM&T quick disconnect.

Length 25ft

Part No. **JEDILEAD-25**

10 – JUMPER CONNECTION CABLE (OPTIONAL)



JEDI jumper cable includes SJ00W 16-6 cable with two DSM&T quick disconnects.

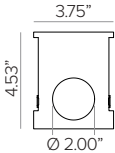
Length 10ft 25ft

Part No. **JEDIJUMP-10 JEDIJUMP-25**

TARGETTI

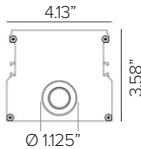
JEDI RECESSED

11 – INSTALLATION (REQUIRED)



JEDI Stainless steel installation sleeve, supplied with 2ea end caps with 1.5" knock out. **Best used for harsh environments and for solo fixture installations that require more cable slack space underneath the fixture. Also can be used for interconnected fixtures or with paver installations.**

Length	24"	36"	48"
Part No.	1US2749	1US2750	1US2751



JEDI extruded aluminum low profile installation sleeve. Supplied with 2ea end caps with 3/4" knock out. **Best used for shallow depth interconnected fixture runs, best results obtained with staggered seam layout to ensure straight lines.**

Length	24"	36"	48"
Part No.	NOT COMPATIBLE	1E3508	1E3509

12 – INSTALLATION ACCESSORIES (OPTIONAL)



Anti-vandal torx head. Recommended one per 5 fixtures.	
Part No.	1E3182



Suction cup tool for fixture removal. Helpful one per 20 fixtures.	
Part No.	1E0388

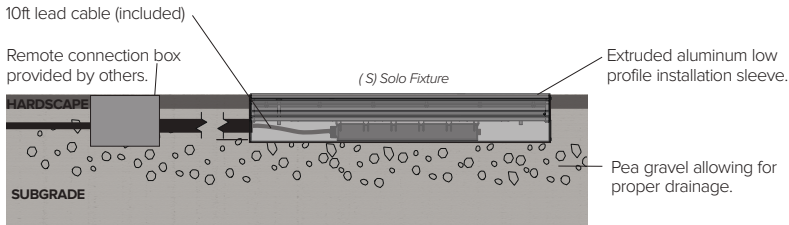
TARGETTI

JEDI RECESSED

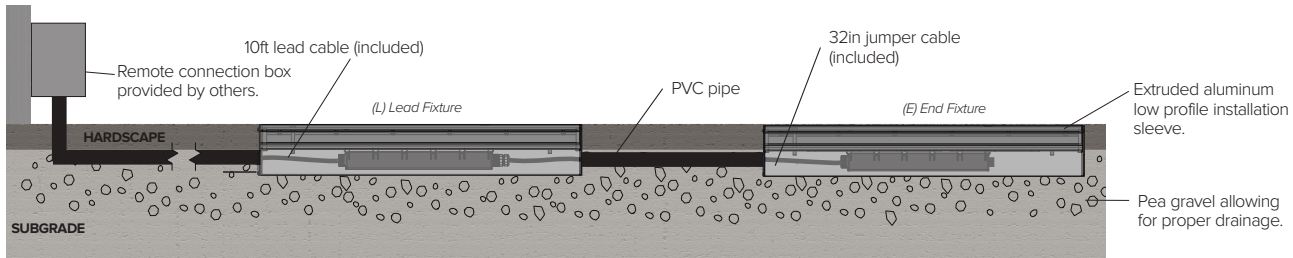
INSTALLATION DIAGRAM

EXTRUDED ALUMINUM INSTALLATION SLEEVE

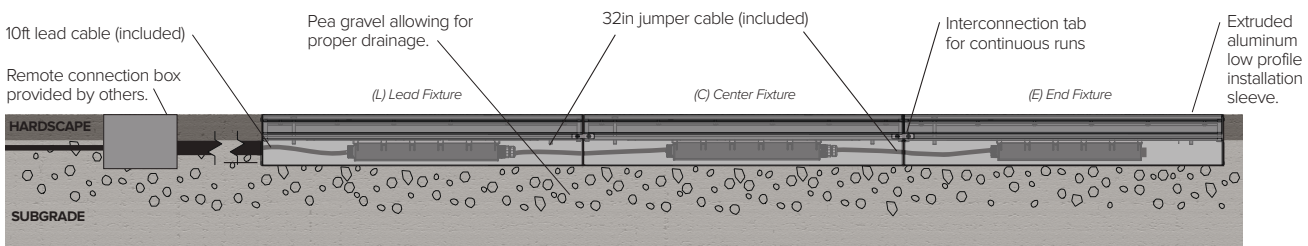
SOLO MOUNTING CONFIGURATION



IN-LINE MOUNTING CONFIGURATION



IN-LINE CONTINUOUS ROW MOUNTING CONFIGURATION

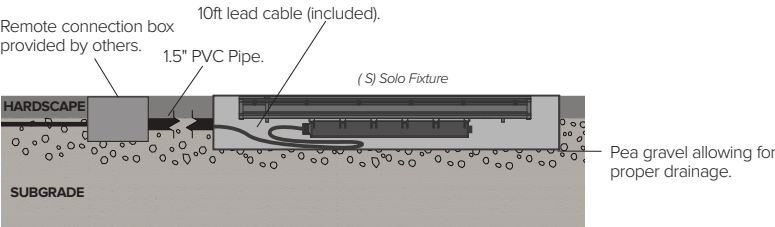


TARGETTI

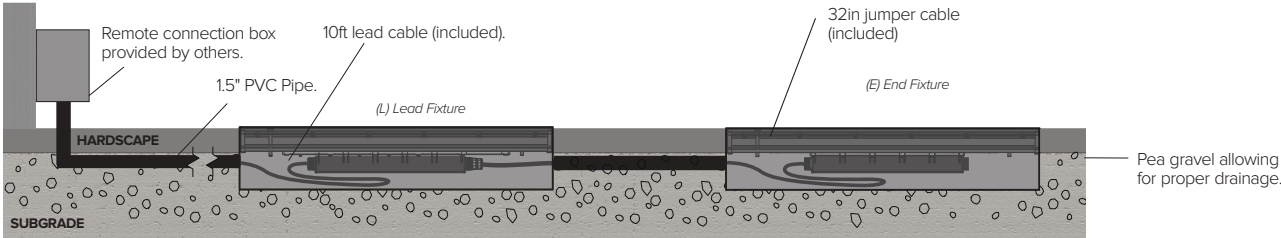
JEDI RECESSED

INSTALLATION DIAGRAM
STAINLESS STEEL INSTALLATION SLEEVE

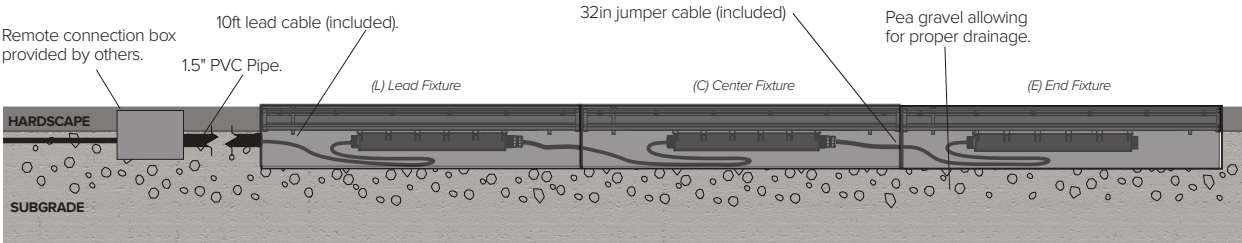
SOLO MOUNTING CONFIGURATION



IN-LINE MOUNTING CONFIGURATION



IN-LINE CONTINUOUS ROW MOUNTING CONFIGURATION



TARGETTI

JEDI RECESSED

PHOTOMETRY

24" WALL WASHER

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		115°	59°	
Fixture Power	28W	1	3.12	1.34	2299
Source Flux	3420lm	2	6.23	2.67	575
Fixture Flux	2572lm	3	9.35	4.01	255
Efficacy	92lm/W	4	12.47	5.35	144
TS883	I _{max} =774cd/klm	I _{max}	2646cd	5	15.59
			6.69	92	

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		115°	59°	
Fixture Power	28W	1	3.12	1.34	2414
Source Flux	3590lm	2	6.23	2.67	603
Fixture Flux	2700lm	3	9.35	4.01	268
Efficacy	96lm/W	4	12.47	5.35	151
TS883	I _{max} =774cd/klm	I _{max}	2778cd	5	15.59
			6.69	97	

36" WALL WASHER

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		115°	59°	
Fixture Power	40W	1	3.12	1.34	3449
Source Flux	5130lm	2	6.23	2.67	862
Fixture Flux	3858lm	3	9.35	4.01	383
Efficacy	96lm/W	4	12.47	5.35	216
TS883	I _{max} =774cd/klm	I _{max}	3969cd	5	15.59
			6.69	138	

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		115°	59°	
Fixture Power	40W	1	3.12	1.34	3620
Source Flux	5385lm	2	6.23	2.67	905
Fixture Flux	4050lm	3	9.35	4.01	402
Efficacy	101lm/W	4	12.47	5.35	226
TS883	I _{max} =774cd/klm	I _{max}	4167cd	5	15.59
			6.69	145	

48" WALL WASHER

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		115°	59°	
Fixture Power	53W	1	3.12	1.34	4599
Source Flux	6840lm	2	6.23	2.67	1150
Fixture Flux	5144lm	3	9.35	4.01	511
Efficacy	97lm/W	4	12.47	5.35	287
TS883	I _{max} =774cd/klm	I _{max}	5293cd	5	15.59
			6.69	184	

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		115°	59°	
Fixture Power	53W	1	3.12	1.34	4827
Source Flux	7180lm	2	6.23	2.67	1207
Fixture Flux	5399lm	3	9.35	4.01	536
Efficacy	102lm/W	4	12.47	5.35	302
TS883	I _{max} =774cd/klm	I _{max}	5556cd	5	15.59
			6.69	193	

24" WALL GRAZER

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		76°	15°	
Fixture Power	28W	1	1.55	0.26	5474
Source Flux	3420lm	2	3.10	0.51	1368
Fixture Flux	2842lm	3	4.65	0.77	608
Efficacy	101lm/W	4	6.21	1.02	342
TS887	I _{max} =1601cd/klm	I _{max}	5474cd	5	7.76
			1.28	219	

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		76°	15°	
Fixture Power	28W	1	1.55	0.26	5746
Source Flux	3590lm	2	3.10	0.51	1436
Fixture Flux	2983lm	3	4.65	0.77	638
Efficacy	107lm/W	4	6.21	1.02	359
TS887	I _{max} =1601cd/klm	I _{max}	5746cd	5	7.76
			1.28	230	

36" WALL GRAZER

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		76°	15°	
Fixture Power	40W	1	1.55	0.26	8211
Source Flux	5130lm	2	3.10	0.51	2053
Fixture Flux	4263lm	3	4.65	0.77	912
Efficacy	107lm/W	4	6.21	1.02	513
TS887	I _{max} =1601cd/klm	I _{max}	8211cd	5	7.76
			1.28	328	

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		76°	15°	
Fixture Power	40W	1	1.55	0.26	8619
Source Flux	5385lm	2	3.10	0.51	2155
Fixture Flux	4475lm	3	4.65	0.77	958
Efficacy	112lm/W	4	6.21	1.02	539
TS887	I _{max} =1601cd/klm	I _{max}	8619cd	5	7.76
			1.28	345	

48" WALL GRAZER

	3000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		76°	15°	
Fixture Power	53W	1	1.55	0.26	10948
Source Flux	6840lm	2	3.10	0.51	2737
Fixture Flux	5684lm	3	4.65	0.77	1216
Efficacy	107lm/W	4	6.21	1.02	684
TS887	I _{max} =1601cd/klm	I _{max}	10948cd	5	7.76
			1.28	438	

	4000K	H(m)	D1(m)	D2(m)	E _{max} (lx)
	Ra80		76°	15°	
Fixture Power	53W	1	1.55	0.26	11492
Source Flux	7180lm	2	3.10	0.51	2873
Fixture Flux	5967lm	3	4.65	0.77	1277
Efficacy	113lm/W	4	6.21	1.02	718
TS887	I _{max} =1601cd/klm	I _{max}	11492cd	5	7.76
			1.28	460	

TARGETTI

JEDI RECESSED

PHOTOMETRY

24" FLOOD

3000K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra80	85°	32°		
Fixture Power	28W	1	1.84	0.57 2392
Source Flux	3420lm	2	3.68	1.14 598
Fixture Flux	2555lm	3	5.53	1.70 266
Efficacy	91lm/W	4	7.37	2.27 149
TS885	Imax=699cd/klm	Imax	2392cd	5 9.21 2.84 96

4000K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra80	85°	32°		
Fixture Power	28W	1	1.84	0.57 2511
Source Flux	3590lm	2	3.68	1.14 628
Fixture Flux	2682lm	3	5.53	1.70 279
Efficacy	96lm/W	4	7.37	2.27 157
TS885	Imax=699cd/klm	Imax	2511cd	5 9.21 2.84 100

36" FLOOD

3000K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra80	85°	32°		
Fixture Power	40W	1	1.84	0.57 3588
Source Flux	5130lm	2	3.68	1.14 897
Fixture Flux	3833lm	3	5.53	1.70 399
Efficacy	96lm/W	4	7.37	2.27 224
TS885	Imax=699cd/klm	Imax	3588cd	5 9.21 2.84 144

4000K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra80	85°	32°		
Fixture Power	40W	1	1.84	0.57 3766
Source Flux	5385lm	2	3.68	1.14 942
Fixture Flux	4024lm	3	5.53	1.70 418
Efficacy	101lm/W	4	7.37	2.27 235
TS885	Imax=699cd/klm	Imax	3766cd	5 9.21 2.84 151

48" FLOOD

3000K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra80	85°	32°		
Fixture Power	53W	1	1.84	0.57 4784
Source Flux	6840lm	2	3.68	1.14 1196
Fixture Flux	5111lm	3	5.53	1.70 532
Efficacy	96lm/W	4	7.37	2.27 299
TS885	Imax=699cd/klm	Imax	4784cd	5 9.21 2.84 191

4000K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra80	85°	32°		
Fixture Power	53W	1	1.84	0.57 5022
Source Flux	7180lm	2	3.68	1.14 1255
Fixture Flux	5365lm	3	5.53	1.70 558
Efficacy	101lm/W	4	7.37	2.27 314
TS885	Imax=699cd/klm	Imax	5022cd	5 9.21 2.84 201

24" SPOT

3000K	H(m)	D(m)	Emax(lx)
Ra80		10°	
Fixture Power	28W	1	0.18 32201
Source Flux	1947lm	2	0.37 8050
Fixture Flux	1591lm	3	0.55 3578
Efficacy	57lm/W	4	0.73 2013
TS889	Imax=16539cd/klm	Imax	32201cd

4000K	H(m)	D(m)	Emax(lx)
Ra80		10°	
Fixture Power	28W	1	0.18 34880
Source Flux	2109lm	2	0.37 8720
Fixture Flux	1723lm	3	0.55 3876
Efficacy	62lm/W	4	0.73 2180
TS889	Imax=16539cd/klm	Imax	34880cd

36" SPOT

3000K	H(m)	D(m)	Emax(lx)
Ra80		10°	
Fixture Power	40W	1	0.18 48326
Source Flux	2922lm	2	0.37 12081
Fixture Flux	2387lm	3	0.55 5370
Efficacy	60lm/W	4	0.73 3020
TS889	Imax=16539cd/klm	Imax	48326cd

4000K	H(m)	D(m)	Emax(lx)
Ra80		10°	
Fixture Power	40W	1	0.18 52345
Source Flux	3165lm	2	0.37 13086
Fixture Flux	2586lm	3	0.55 5816
Efficacy	65lm/W	4	0.73 3272
TS889	Imax=16539cd/klm	Imax	52345cd

48" SPOT

3000K	H(m)	D(m)	Emax(lx)
Ra80		10°	
Fixture Power	51W	1	0.18 64401
Source Flux	3894lm	2	0.37 16100
Fixture Flux	3181lm	3	0.55 7156
Efficacy	62lm/W	4	0.73 4025
TS889	Imax=16539cd/klm	Imax	64401cd

4000K	H(m)	D(m)	Emax(lx)
Ra80		10°	
Fixture Power	51W	1	0.18 69760
Source Flux	4218lm	2	0.37 17440
Fixture Flux	3446lm	3	0.55 7751
Efficacy	68lm/W	4	0.73 4360
TS889	Imax=16539cd/klm	Imax	69760cd

RUBY R

Static White | Dynamic White



DESCRIPTION

RUBY R recessed in grade luminaire offers diverse options for spotlighting or wall grazing through an extensive collection of symmetric, elliptical, and wall washing optics. It is available in dynamic white or static white in 3000K or 4000K color temperatures. Programming is easily accomplished via a remote infrared controller and will operate in DMX, automatic, or master-satellite modes for expanded versatility. The 11" diameter luminaire has an overall depth of less than six inches, making it suitable for a wide variety of installation conditions for interior or exterior applications. All hardware is stainless steel.



IP66 / IK09 /

Date: _____ Type: _____ Catalog Number: _____

Project Name: _____



ORDERING INFORMATION

LUMINAIRE					
MODEL	CCT	CONTROL	CABLE	VOLTAGE	OPTIC
RUBYR Ruby Recessed	DW Dynamic White (2700K to 6500K)	DMX-RDM DMX/RDM	S Power In (7.9 in.), DMX In, DMX Out (59 in.)	UNV 120 - 277v	SP Spot 12°
	30K 3000K				NB Narrow 15°
	40K 4000K				MB Medium 24°
VERIFY					WB Wide 47°
					EW Extra-Wide 58°
					ELH Elliptical Horizontal 40° x 14°
					ELWH Elliptical-Wide Horizontal 38° x 23°
MOUNTING ACCESSORIES (REQUIRED, ORDER SEPARATELY)					
MODEL					
RUBYR-RBB					
					WW Wall Wash/Asymmetric

VERIFY

See Page 4 for ordering information of available accessories.

RUBY R
Static White | Dynamic White



RUBY RECESSED		
PHYSICAL	HOUSING	Stainless Steel Flange With Die-Cast Aluminum Body
	LENS	PMMA with Tempered Glass Screen
	LOAD BEARING CAPACITY	4409 Pounds
	IN-GROUND RATING	Drive-Over Rated
	DRIVER LOCATION	Integral
	DIMENSIONS	ø11" x 4¾" Depth
	WEIGHT	10.8 Pounds
	OPERATING TEMPERATURE	-40°F to 122°F (-40°C to 50°C)

ELECTRICAL	POWER	36 Watts
	CURRENT	0.3 amps at 120 volts 0.13 amps at 277 volts
	CONTROL	DMX/RDM* <small>*Note: One Infrared Configuration Remote must be ordered unless another RDM compatible control is used. See page 4 for more information.</small>
	CABLE	DMX Cable
	CABLE LENGTH	39.3"

PHOTOMETRIC	LED	Dynamic White (3000K-6500K)	Static White 3000K
	DELIVERED LUMEN OUTPUT	up to 3556 lumens	up to 3446 lumens
	EFFICACY	up to 99 lumens per watt	up to 96 lumens per watt

LIGHT DISTRIBUTIONS	DISTRIBUTION	BEAM ANGLE	DYNAMIC WHITE (2700K TO 6500K)		STATIC WHITE 3000K	
			LUMENS	EFFICACY	LUMENS	EFFICACY
	SPOT	12°	3556	99	3446	96
	NARROW	15°	3367	94	3263	91
	MEDIUM	24°	3373	94	3269	91
	WIDE	47°	3407	95	3303	92
	EXTRA WIDE	58°	3418	95	3312	92
	ELLIPTICAL	40° x 14°	3326	92	3222	90
	ELLIPTICAL WIDE	38° x 23°	3025	84	2931	81
Values based on full output.			WALL WASH	36° x 19°	2853	79
					2630	73

CERTIFICATIONS	SAFETY	CSA / cETL Certified
	INGRESS PROTECTION	IP67
	IMPACT RATING	IK09
	WARRANTY	Five Year Limited Warranty

* LED life may vary under actual field conditions due to external factors. Lifetime estimates are generated from actual testing in a controlled environment. Values are conservatively derived from those numbers.

RUBY R

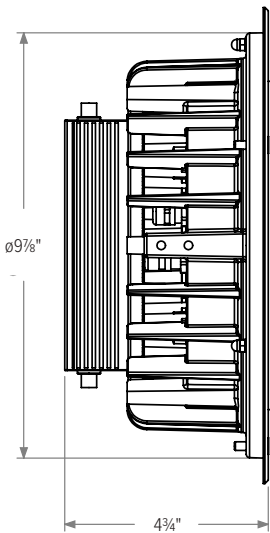
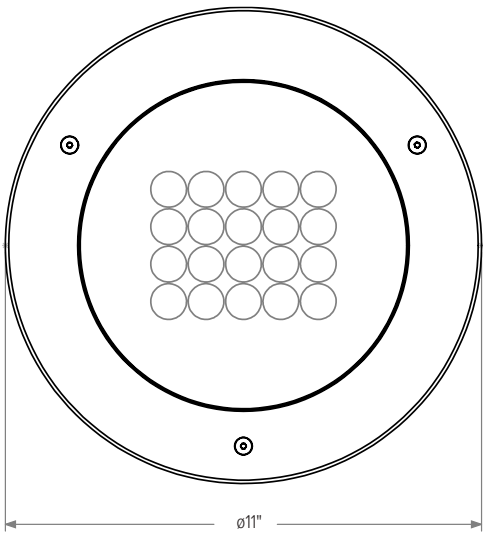
Static White | Dynamic White



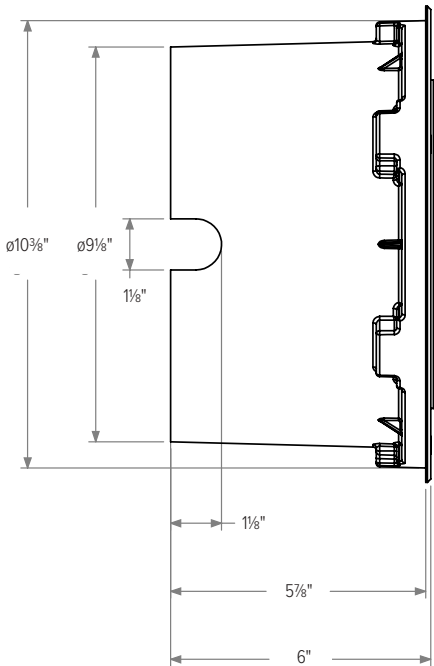
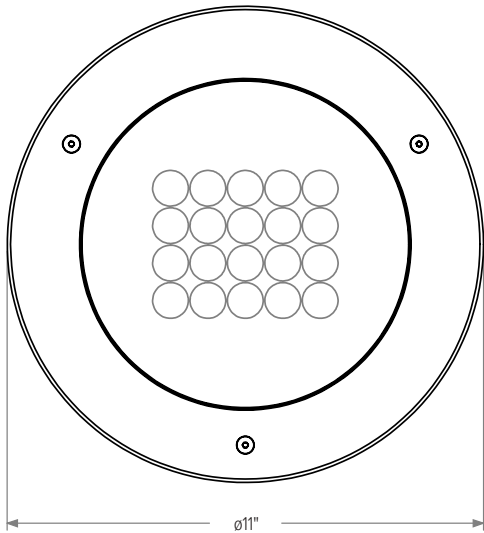
DIMENSIONS

All dimensions are shown in inches unless otherwise noted.

RUBY R



RUBY R WITH RECESSED ROUGH-IN BOX



RUBY R

Static White | Dynamic White



ACCESSORIES

NOTE: Accessories are ordered and shipped separately from luminaire for field installation.



RUBYR-RRB

Formwork/Recessed Rough-In Box
(Required, Ordered Separately)

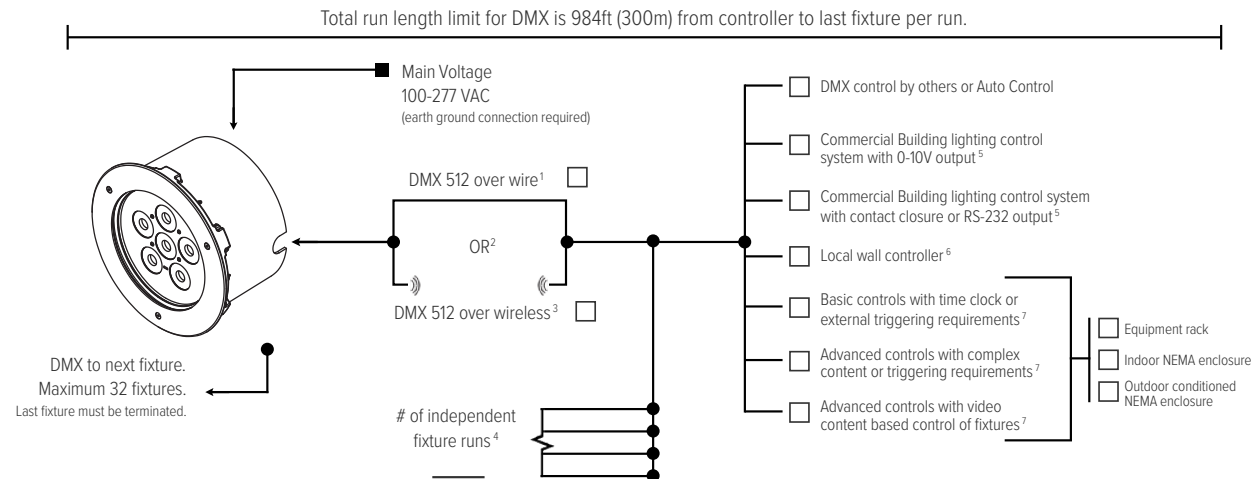


IR-CONFIG-REMOTE

Infrared DMX Configuration Remote
(Required for DMX Configuration Unless
Another RDM Compatible Control is Used)

CONTROL OPTIONS (DMX512, PRIMARY CONTROL PLATFORM)

Contact manufacturer for control system development.



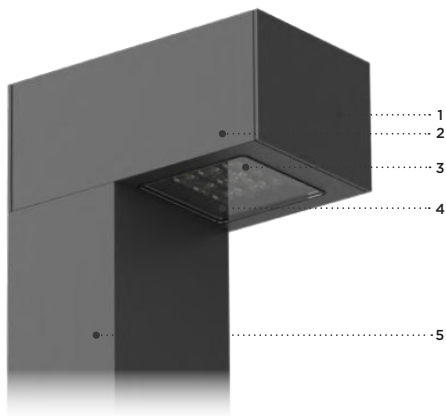
Notes

- Wire specifications are available from factory as well as approved wire for purchase.
- Other control protocol solutions available. Contact factory for more information.
- Wireless components are external to fixture. Distance limitations based on antennas chosen and site conditions. Contact factory for more information.
- Based on maximum of 32 fixtures per run as well as any site constraints on conveyance of data.
- For example: Lutron, Crestron, Encelium, Douglas, ETC by others. Given control system will interface with building lighting control system.
- Local wall controller for small applications. Wall controllers specified separately for larger systems.
- Contact factory for assistance with specification. Onsite commissioning by Given of control system is required.

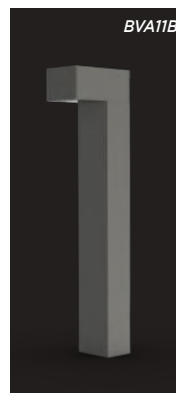


LUMINIS®

BVA11B/BVA12B SERIES
Bellevue
BOLLARD



- 1- Front cover constructed of corrosion resistant aluminum.
- 2- 4.5" (114mm) x 6" (152mm) Extruded aluminum optical chamber.
- 3- Available in configurations of 9 LEDs or 18 LEDs
- 4- Clear tempered glass.
- 5- 4.5" (114mm) x 6" (152mm) 6063-T6 aluminum pole. 0.125" wall thickness. All stainless steel hardware.



MATERIALS

Bellevue bollard is made of 6063-T6 extruded aluminum alloy. LED board is assembled on a thick extruded aluminum profile and protected by a clear tempered glass. The acrylic optics provide a wide range of IES type distribution. The driver is mounted inside the fixture which is accessible from the back of the fixture head for ease of maintenance.

ELECTRICAL

DRIVER Standard driver is 120-277V multi-volt compatibility (50-60Hz), 0-10V dimming-ready (dims to 10%). Optional 347/480V, operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

LED Type I, II, III, IV light distribution via high performance optical lenses. Offered in 2700K, 3000K, 3500K, 4000K / 80 CRI. Optional true amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm.

LIFETIME

60,000hrs L70B50 (based on LM-80 report for lumen maintenance).

FINISH

Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

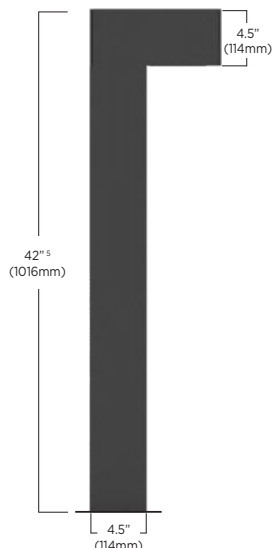
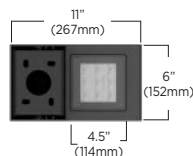
Certified and Approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65. Rated IK10.

Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards.

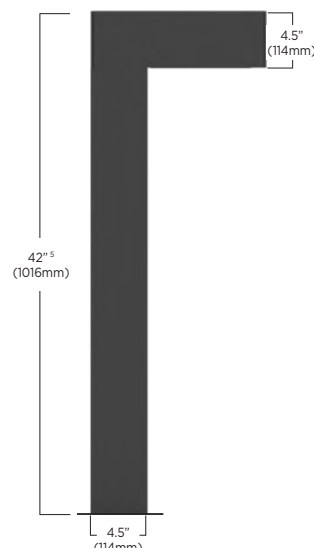
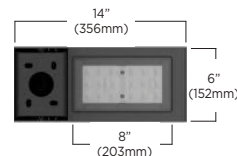
MOUNTING

Maximum weight: 25 lbs (11.3 kg)
Bellevue is designed for ease of access and installation. The head is secured on a mounting bracket that is accessible from the inside. The base plate is secured with a set of (4) 3/8"-16 x 10" lg. galvanized hook anchor bolts.

BVA11B



BVA12B

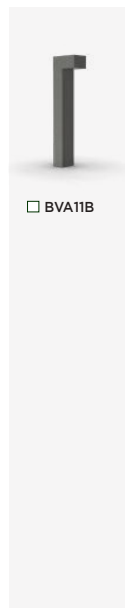


September 2023 Rev. 6

BVA11B/BVA12B SERIES Bellevue

LUMINAIRE SELECTION - BVA11B/BVA12B

1 MODEL



2 LED LIGHT SELECTION

WHITE LED SELECTION

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE I	<input type="checkbox"/> L1L10-TYP1	1205	11W
	<input type="checkbox"/> L1L16-TYP1	1846	19W
	<input type="checkbox"/> L1L24-TYP1	2635	30W
TYPE II	<input type="checkbox"/> L1L10-TYP2	1072	11W
	<input type="checkbox"/> L1L16-TYP2	1643	19W
	<input type="checkbox"/> L1L24-TYP2	2345	30W
TYPE III	<input type="checkbox"/> L1L10-TYP3	977	11W
	<input type="checkbox"/> L1L16-TYP3	1497	19W
	<input type="checkbox"/> L1L24-TYP3	2137	30W
TYPE IV	<input type="checkbox"/> L1L10-TYP4	904	11W
	<input type="checkbox"/> L1L16-TYP4	1384	19W
	<input type="checkbox"/> L1L24-TYP4	1976	30W

*4000K / 80CRI

AMBER LED SELECTION - TURTLE FRIENDLY

TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE I	<input type="checkbox"/> L1LK2A-TYP1	349	8W
TYPE II	<input type="checkbox"/> L1LK2A-TYP2	311	8W
TYPE III	<input type="checkbox"/> L1LK2A-TYP3	283	8W
TYPE IV	<input type="checkbox"/> L1LK2A-TYP4	262	8W

3 CCT °K LED

TEMPERATURE*	
<input type="checkbox"/> K27	2700K
<input type="checkbox"/> K30	3000K
<input type="checkbox"/> K35	3500K
<input type="checkbox"/> K40	4000K

4 VOLTAGE ¹

STANDARD
<input type="checkbox"/> 120V
<input type="checkbox"/> 208V
<input type="checkbox"/> 240V
<input type="checkbox"/> 277V

OPTIONAL

<input type="checkbox"/> 347V
<input type="checkbox"/> 480V

5 FINISH

STANDARD COLORS
<input type="checkbox"/> WHT Snow white
<input type="checkbox"/> BKT Jet black
<input type="checkbox"/> BZT Bronze
<input type="checkbox"/> MST Matte silver
<input type="checkbox"/> GRT Titanium gray
<input type="checkbox"/> DGT Gun metal
<input type="checkbox"/> CHT Champagne
<input type="checkbox"/> SGT Steel gray
<input type="checkbox"/> BGT English cream

OPTIONAL COLORS

<input type="checkbox"/> CS Custom color
<input type="checkbox"/> RAL RAL# color



WHITE LED SELECTION

TYPE	SUFFIX	DELIVERED LUMENS*	INPUT WATTS
TYPE I	<input type="checkbox"/> L2L26-TYP1	2957	29W
	<input type="checkbox"/> L2L34-TYP1	3692	38W
	<input type="checkbox"/> L2L40-TYP1	4248	46W
TYPE II	<input type="checkbox"/> L2L26-TYP2	2632	29W
	<input type="checkbox"/> L2L34-TYP2	3285	38W
	<input type="checkbox"/> L2L40-TYP2	3780	46W
TYPE III	<input type="checkbox"/> L2L26-TYP3	2398	29W
	<input type="checkbox"/> L2L34-TYP3	2994	38W
	<input type="checkbox"/> L2L40-TYP3	3445	46W
TYPE IV	<input type="checkbox"/> L2L26-TYP4	2218	29W
	<input type="checkbox"/> L2L34-TYP4	2769	38W
	<input type="checkbox"/> L2L40-TYP4	3186	46W

*4000K / 80CRI

AMBER LED SELECTION - TURTLE FRIENDLY

TYPE	SUFFIX	DELIVERED LUMENS	INPUT WATTS
TYPE I	<input type="checkbox"/> L2LK2A-TYP1	698	16W
TYPE II	<input type="checkbox"/> L2LK2A-TYP2	621	16W
TYPE III	<input type="checkbox"/> L2LK2A-TYP3	566	16W
TYPE IV	<input type="checkbox"/> L2LK2A-TYP4	524	16W

*80CRI

*Refer to color chart



For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

LUMINIS

LUMINIS | Toll free: 866.586.4647 Fax: 514.683.8872 Email: info@luminis.com
260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

Luminaires may be altered for design improvement without prior notice.

LUMINIS.COM

September 2023 Rev. 6

BVA11B/BVA12B SERIES Bellevue

OPTIONS

PHOTOCELL

- ☐ **PH** Thermal button photocell mounted on top casted housing (as shown on image). Instant turn-on, standard 5-10 second turn-off time delay.

FUSE SAFETY

- ☐ **FS** Fuse

SURGE PROTECTOR

- ☐ **SP** 10kV surge protector

FAUX WOOD COLORS⁴

- | | |
|--|--|
| <input type="checkbox"/> ADG American douglas | <input type="checkbox"/> MPL Maple |
| <input type="checkbox"/> BRC Birch | <input type="checkbox"/> OFL Oak |
| <input type="checkbox"/> CHN Chestnut | <input type="checkbox"/> RSW Rosewood |
| <input type="checkbox"/> CRY Cherry | <input type="checkbox"/> TEK Teak |
| <input type="checkbox"/> KNP Knotty pine | <input type="checkbox"/> WLN Walnut |

GROUND FAULT CIRCUIT INTERRUPTION³

- ☐ **GFI** Ground fault circuit interruption flush receptacle. Access door secured with torx screws.

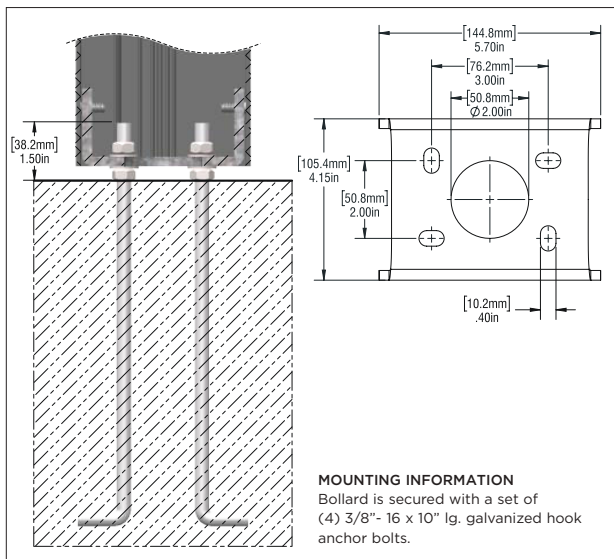
ENVIRONMENT

- ☐ **MG** Marine grade paint²
- ☐ **NT** Natatorium (only available in WHT and BKT)

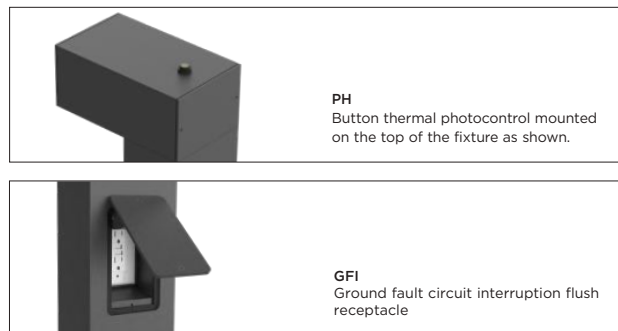
NOTES

- 1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2- Marine grade paint for harsh, coastal environment and exposure to salt water. Longer lead time may apply please contact factory for info.
- 3- GFI option are installed 27" above grade. GFI flush cover. 120V required for GFI.
- 4- Faux wood finish not applied to the fixture head.
- 5- For additional height, contact factory. Longer lead time may apply.

MOUNTING INFORMATION

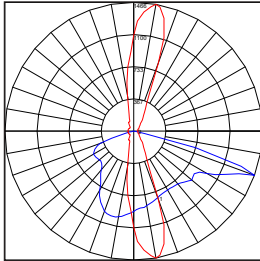


OPTIONS DETAILS



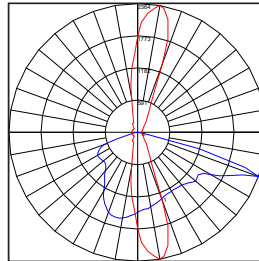
BVA11B/BVA12B SERIES Bellevue

TYPICAL PHOTOMETRY SUMMARY



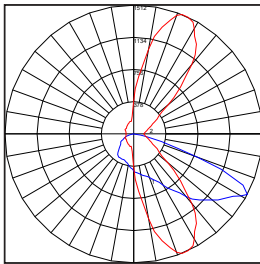
BVA11B-L1L24-TYP1

Delivered lumens : 2635 lumens
Power consumption 30.5W
Efficacy : 87 Lumens/Watt
Maximum Candela : 1466 @ 80°H/70°V
BUG : B1-U0-G1



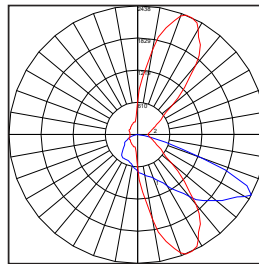
BVA12B-L2L40-TYP1

Delivered lumens : 4274 lumens
Power consumption 46.3W
Efficacy : 92 Lumens/Watt
Maximum Candela : 2364 @ 80°H/70°V
BUG : B2-U0-G1



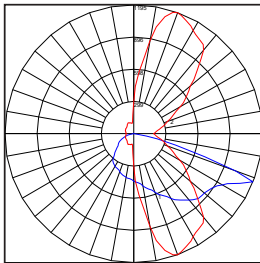
BVA11B-L1L24-TYP2

Delivered lumens : 2345 lumens
Power consumption 30.5W
Efficacy : 77 Lumens/Watt
Maximum Candela : 1512 @ 68°H/62°V
BUG : B1-U0-G0



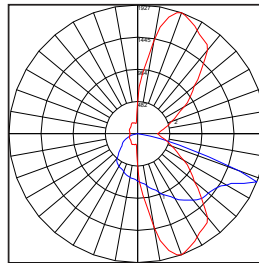
BVA12B-L2L40-TYP2

Delivered lumens : 3780 lumens
Power consumption 46.3W
Efficacy : 81 Lumens/Watt
Maximum Candela : 2438 @ 68°H/62°V
BUG : B1-U0-G1



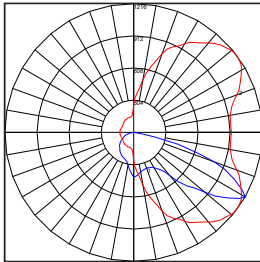
BVA11B-L1L24-TYP3

Delivered lumens : 2145 lumens
Power consumption 30.5W
Efficacy : 70 Lumens/Watt
Maximum Candela : 1195 @ 70°H/68°V
BUG : B1-U0-G0



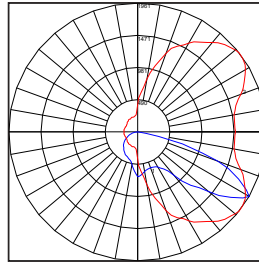
BVA12B-L2L40-TYP3

Delivered lumens : 3445 lumens
Power consumption 46.3W
Efficacy : 75 Lumens/Watt
Maximum Candela : 1927 @ 70°H/68°V
BUG : B1-U0-G1



BVA11B-L1L24-TYP4

Delivered lumens : 1976 lumens
Power consumption 30.5W
Efficacy : 65 Lumens/Watt
Maximum Candela : 1216 @ 38°H/60°V
BUG : B1-U0-G1



BVA12B-L2L40-TYP4

Delivered lumens : 3186 lumens
Power consumption 46.3W
Efficacy : 69 Lumens/Watt
Maximum Candela : 1961 @ 38°H/60°V
BUG : B1-U0-G1

LUMEN CONVERSION FACTOR (LCF)

CCT	LCF	CRI
2700K	0.91	80
3000K	0.94	80
3500K	0.98	80
4000K	1.00	80

All Photometry shown use the Standard 80CRI 4000K LEDs.
Please visit our web site www.luminis.com for complete I.E.S. formatted download data



Contractor Select™

ECRG

Lithonia Lighting Basics™
Emergency Light/Exit Combo

The Lithonia Lighting® ECRG, is a combination of exit and emergency lighting. The ECRG is ideal for safely illuminating the path of egress above-the-door in small spaces at lower mounting heights while providing 90 minutes of emergency power. Available in red and green letters.

FEATURES:

- Internal toggle switch for red or green exit
- Test switch and status indicator
- UL indoor damp location 50°F to 104°F (10°C to 40°C) listed standard
- ECRG RD: multi-voltage 120-277V, 50/60Hz
- ECRG SQ: dual-voltage 120/277, 60Hz



† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

Catalog Number	UPC	Description	Supply Voltage	Input Wattage		Input Amps		Pallet Qty	Carton Qty
				120	277	120	277		
ECRG RD M6	00194994900412	Red/Green LED Exit/Unit Combo, Round Lamp Heads	120-277V	2W	2W	.03	.02	360	6
ECRG HO RD M6	00194994900429	Red/Green LED Exit/Unit Combo with remote capacity, Round Lamp Heads	120-277V	2.8W	2.8W	.05	.03	360	6
ECRG SQ M6	00194994900467	Red/Green LED Exit/Unit Combo, Square Lamp Heads	120/277V	3.5W	3.5W	.03	.02	360	6
ECRG HO SQ M6	00194994900504	Red/Green LED Exit/Unit Combo with remote capacity, Square Lamp Heads	120/277	4W	4W	.03	.02	360	6

Battery Capacity and Loading (HO only)

Battery	Total Capacity	Maximum# Remote Lamp Heads*
3.6V	2W (ECRG RD)	2 - ERE W SGL RD M24
		1 - ERE W T RD M24
		2 - ERE GY SGL WP RD M12
		1 - ERE GY T WP RD M12
	3W (ECRG SQ)	3 - ERE GY SGL WP SQ M12
		1 - ERE GY T WP SQ M12

* Remotes are in addition to the lamp heads on the product.

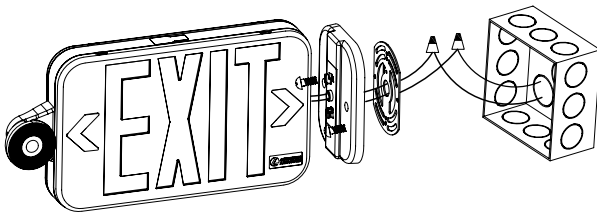
Accessories: Order as separate catalog number.

ERE W SGL RD	Single, LED indoor remote head, round, ivory white, .75W, 3.6V input. See spec sheet ERE.1
ERE W T RD	Twin, LED indoor remote head, round, ivory white, 1.5W, 3.6V input. See spec sheet ERE.1
ERE GY SGL WP RD	Single, LED weather-proof head, round, gray, 0.75W, 3.6V input. See spec sheet ERE.1
ERE GY T WP RD	Twin, LED weather-proof head, round, gray, 1.5W, 3.6V input. See spec sheet ERE.1
ERE GY SGL WP SQ	Single, LED weather-proof remote head, square, gray, 1W, 3.6V-12V voltage sensing. See spec sheet ERE.1
ERE GY T WP SQ	Twin, weather-proof, remote head, square, gray, 2W, 3.6V-12V voltage sensing. See spec sheet ERE.1
ELA WG3	Wireguard (back mount), 30 5/8"W x 13 3/4"H x 6"D. See spec sheet ELA-WG .

1 Only available with HO option.

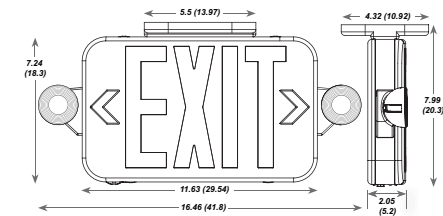


ECRG side/end mount example



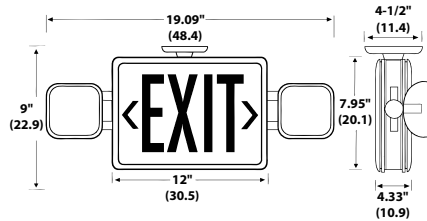
ECRG RD

Length:
16.46 (41.8)
Depth:
2.05 (5.2)
Height:
7.24 (18.3)
Weight:
RD - 1.9 (0.86kgs)
HO RD - 1.95 (0.88kgs)



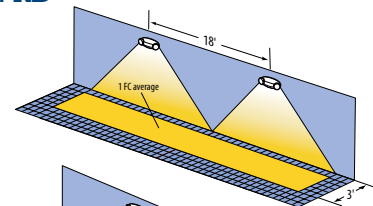
ECRG SQ

Length:
19.09 (48.4)
Depth:
4.33 (10.9)
Height:
7.95 (20.1)
Weight:
SQ - 3.09 lbs. (1.40kgs)
HO SQ - 3.25 lbs (1.47kgs)

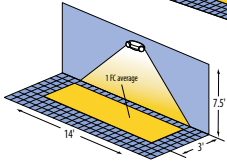


All dimensions are inches (centimeters)
unless otherwise indicated.

ECRG RD

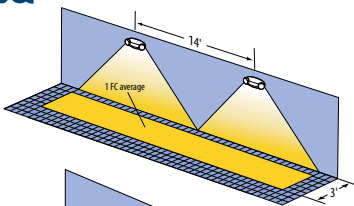


Example of multiple
ECRG RD luminaires
illuminating a 3'
path of egress.

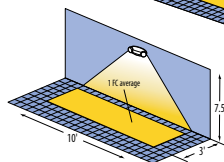


Example of single ECRG RD illuminating
a 3' path of egress.

ECRG SQ



Example of multiple
ECRG SQ luminaires
illuminating a 3'
path of egress.



Example of single ECRG SQ illuminating
a 3' path of egress.

Spacing guidelines

Maximum Spacing Guidelines ¹							
Series	Mounting Height	Illumination Level	Single Luminaire		Multiple Luminaires		Application Notes
			3' Path of Egress	6' Path of Egress	3' Path of Egress	6' Path of Egress	
ECRG RD	7.5'	1FC Avg	14'	10'	18'	14'	"100' Corridor 8' wide, and 9' high with 80/50/20 reflectances"
ECRG SQ	7.5'	1FC Avg	10'	6'	14'	11'	

Notes:

- Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.



Specifications

INTENDED USE:

Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power to meet code required emergency lighting. Ideal for applications requiring low profile, emergency unit for lower mounting heights. The ECRG has an internal switch that ships standard as a red emergency light/exit combo and can be switched in the field to green. It is also packaged standard with an extra faceplate along with red and green inserts.

CONSTRUCTION:

The housing is a standard white thermoplastic with a compact and low-profile design with all-inclusive lamp, reflector and lens assembly. It is 5VA flame rated and impact-resistant.

OPTICS:

The typical life of the exit LED is 5 years, based on 24/7 operation.

ECRG is 0.75W white LED per lamp head

ECRG SQ is 1W LED per lamp head.

CRI: RD 80CRI
SQ 75CRI

CCT: RD 6200K
SQ 6200K

Lumen: RD 85 lumens
SQ 113 lumens

ELECTRICAL:

ECRG RD: multi-voltage 120-277V, 50/60Hz.

ECRG SQ: dual-voltage 120/277, 60Hz.

Bi-color LED status indicator for battery condition. (Green-normal, Red-check battery).

ECRG HO RD has 2W of remote capacity and ECRG HO SQ has 3W of remote capacity.

BATTERY: 3.6V maintenance-free, rechargeable, Nickel metal hydride.

INSTALLATION:

ECRG RD: Top, end and back mount.

ECRG SQ: Top, end and back mount.

Mounting pattern on canopy (top and side mount) and back plate (back mount) fits most standard size junction boxes.

LISTINGS:

UL Listed. Meets all applicable requirements for UL 924, NFPA 101 (current Life Safety Code), NFPA 70 (NEC), FCC Title 47, Part 15, Subpart B and OSHA.

Indoor damp location 50°F to 104°F (10°C to 40°C) listed.

WARRANTY:

2-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.