SYCAMORE TOWNSHIP, OH

DEPARTMENT OF PLANNING & ZONING
8540 KENWOOD ROAD, CINCINNATI, OH 45236

513.792.7250 PHONE 513.792.8564 FAX

RECEIVED
OCT 15 2020
SYCAMORE TWP.

BZA APPLICATION

FEES:

APPEAL:	$150.00
VARIANCE:	$150.00
CONDITIONAL USE:	$500.00
NON-CONFORMING USE:	$500.00

COMMERCIAL	RESIDENTIAL
X	

APPLICATION NUMBER

SYCB200017

DO NOT WRITE IN THIS SPACE

1. PROJECT ADDRESS: 8341 KENWOOD ROAD, CINCINNATI, OH **ZIP CODE:** 45236

2. NAME	STREET ADDRESS	CITY	ST	ZIP	PHONE NUMBER
OWNER Kenwood Baptist Church	8341 KENWOOD ROAD	Cincinnati	OH	45236	(513) 791-0355
CONTRACTOR HiFive Development Services, Inc.	202 West Main Street	Mason	OH	45040	(513) 336-9280
DESIGNER HiFive Design Group	202 West Main Street	Mason	OH	45040	(513) 336-9280
APPLICANT Sam Cain (HiFive)	202 West Main Street	Mason	OH	45040	(513) 257-0028
APPLICANTS E-MAIL ADDRESS sam@hifive1.com					

3. BZA ACTION REQUESTED: APPEAL ○ VARIANCE ○
CONDITIONAL USE ◉ NON-CONFORMING USE ○

4. STATE IN DETAIL ALL EXISTING & PROPOSED USES OF THIS BUILDING OR PREMISES:

Existing church with administrative offices, children and adult classrooms, etc.

Proposing to build a new lobby with restrooms, kitchenette, etc. Existing sanctuary to be remodeled.

Existing south parking lot to be repaired and expanded with new lighting.

5. SQUARE FEET: 6,361(new) **6. USE:** Church **7. HEIGHT:** 1-story+bsmt, 20 feet max.

8. EST. START DATE: 5/17/2021 **9. EST. FINISH DATE:** 2/14/2022

THE DEPARTMENT OF PLANNING & ZONING IS DEDICATED TO THE CONTINUING PROSPERITY OF SYCAMORE TOWNSHIP. WE PROMOTE HIGH STANDARDS FOR DEVELOPMENT AND QUALITY PROJECTS. WE LOOK FORWARD TO SERVING OUR CITIZENS AND BUSINESS COMMUNITY TO MAKE SYCAMORE TOWNSHIP THE BEST IT CAN BE.

The owner of this project and undersigned do hereby certify that all of the information and statements given on this application, drawings and specifications are to the best of their knowledge, true and correct. The applicant and owner of the real property agree to grant Sycamore Township access to the property for review and inspection related to this Board of Zoning Appeals application.

NOTE: FILING THIS APPLICATION DOES NOT CONSTITUTE PERMISSION TO BEGIN WORK.

10/15/2020
APPLICANT'S SIGNATURE DATE

Lyle Fiore Digitally signed by Lyle Fiore Date: 2020.10.07 12:32:28 -04'00'
PROPERTY OWNER'S SIGNATURE DATE

DO NOT WRITE BELOW THIS LINE

October 15, 2020

Skylor Miller, Planning & Zoning Administrator
Board of Zoning Appeals
Sycamore Township Planning & Zoning
8540 Kenwood Road
Sycamore Township, OH 45236

Re: New Addition & Remodeling – Phase I
Kenwood Baptist Church
8341 Kenwood Road
Cincinnati, OH 45236

Mr. Miller & Sycamore Township Board of Zoning Appeals,

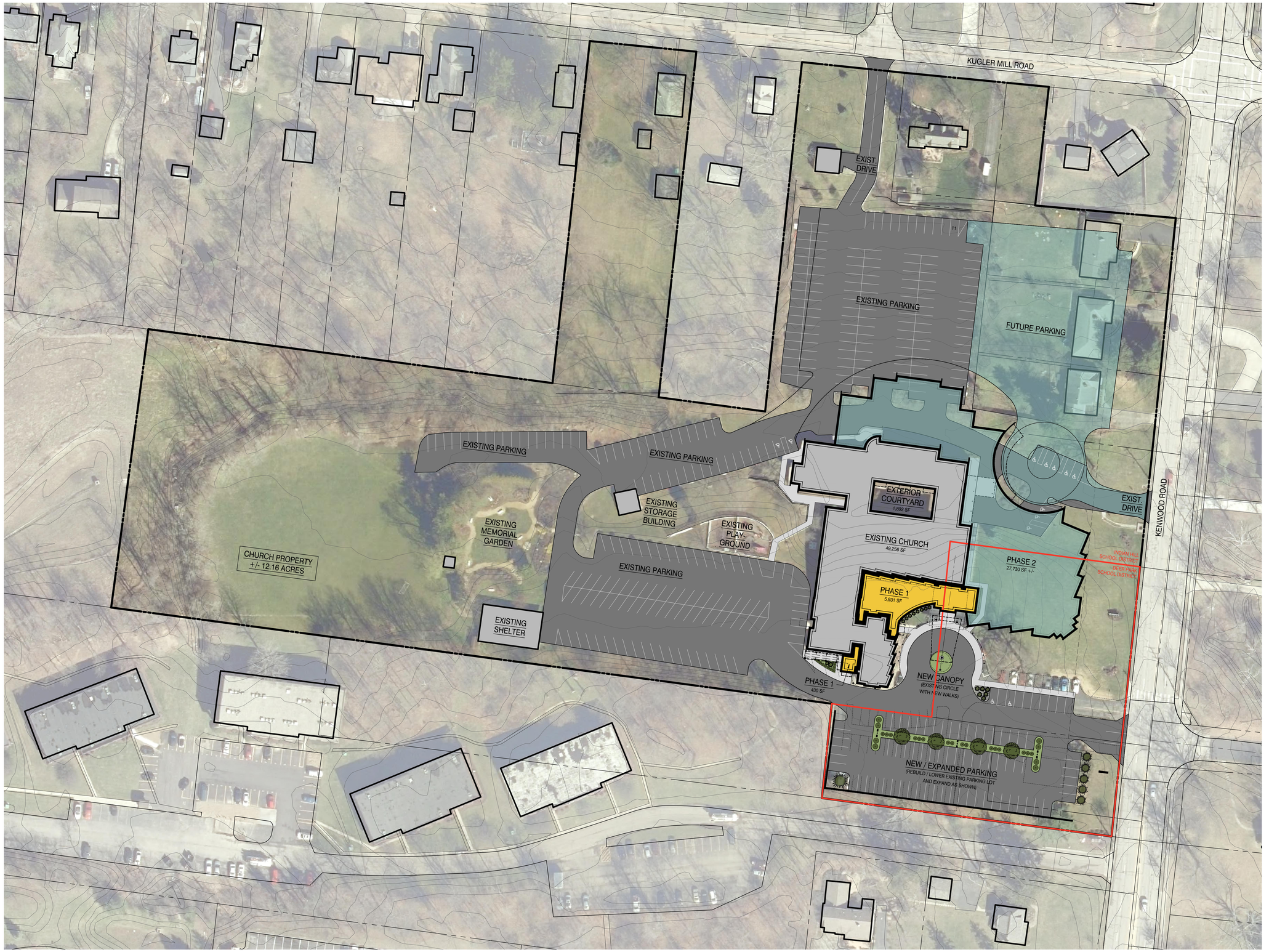
This written statement shall serve as the Letter of Intent for Phase I of the addition and remodeling project being proposed by Kenwood Baptist Church at 8341 Kenwood Road.

1. The project shall take place at the above address, which is approximately 12 acres of church-owned land. The existing property is currently zoned 'B' (Single Family Residential).
2. The church is submitting a Conditional Use application, seeking approval to build a new addition and perform site improvements. The new addition is a 6,361 SF lobby with restrooms, a kitchenette, storage and an improved south parking lot. Also, the church is proposing to re-align their existing southern most curb-cut for better traffic flow onto their site and to align with the drive directly across Kenwood Road. Some existing rooms within the existing building will be remodeled as well, with focus of this being on renovations of the existing church sanctuary. No seats are being added to the assembly space. This is Phase I of a larger Master Plan. The Church Master Plan is being submitted for reference only to help everyone understand Phase I in context with the big picture plans for development on site.
3. Specifically, Kenwood Baptist Church is requesting Conditional Use approval as set forth in Chapter 17 of the Sycamore Township Zoning Resolution. Table 3-2 in the Resolution lists "Church" (with ISR of .45 or less) as being "Permissible with a Conditional Use Zoning Certificate after public hearing and administrative approval by the Board of Zoning Appeals." As such, Kenwood Baptist Church is submitting a Conditional Use Application with all the necessary associated documents and drawings.
4. The design of the addition and site improvements is intended to conform with the existing zoning regulations as set forth by Sycamore Township. At this point in time, the church is not seeking any type of variance for this project.

Please let me know if you have any questions or need any clarification on this application.

Sincerely,

Sam Cain – Registered Architect, NCARB, LEED-AP
HiFive Design Group - HiFive Development Services, Inc.
sam@hifive1.com
mobile = (513) 833-5085
direct = (513) 257-0028



40 0 40 80

NORTH

PROPOSED SITE PLAN

SCALE: 1" = 40'

1 / A1.01

CHURCH MASTER PLAN - FOR REFERENCE ONLY

hifive
HIFIVE DESIGN GROUP
202 W Main St | 513.336.9290
Mason OH 45040 | www.hi5ive1.com

STATE OF OHIO ★ ARCHITECT ★ REGISTERED
MARK A. DAVIS 9784
MARK A. DAVIS LICENSE #9784
EXPIRATION DATE 12/31/2021

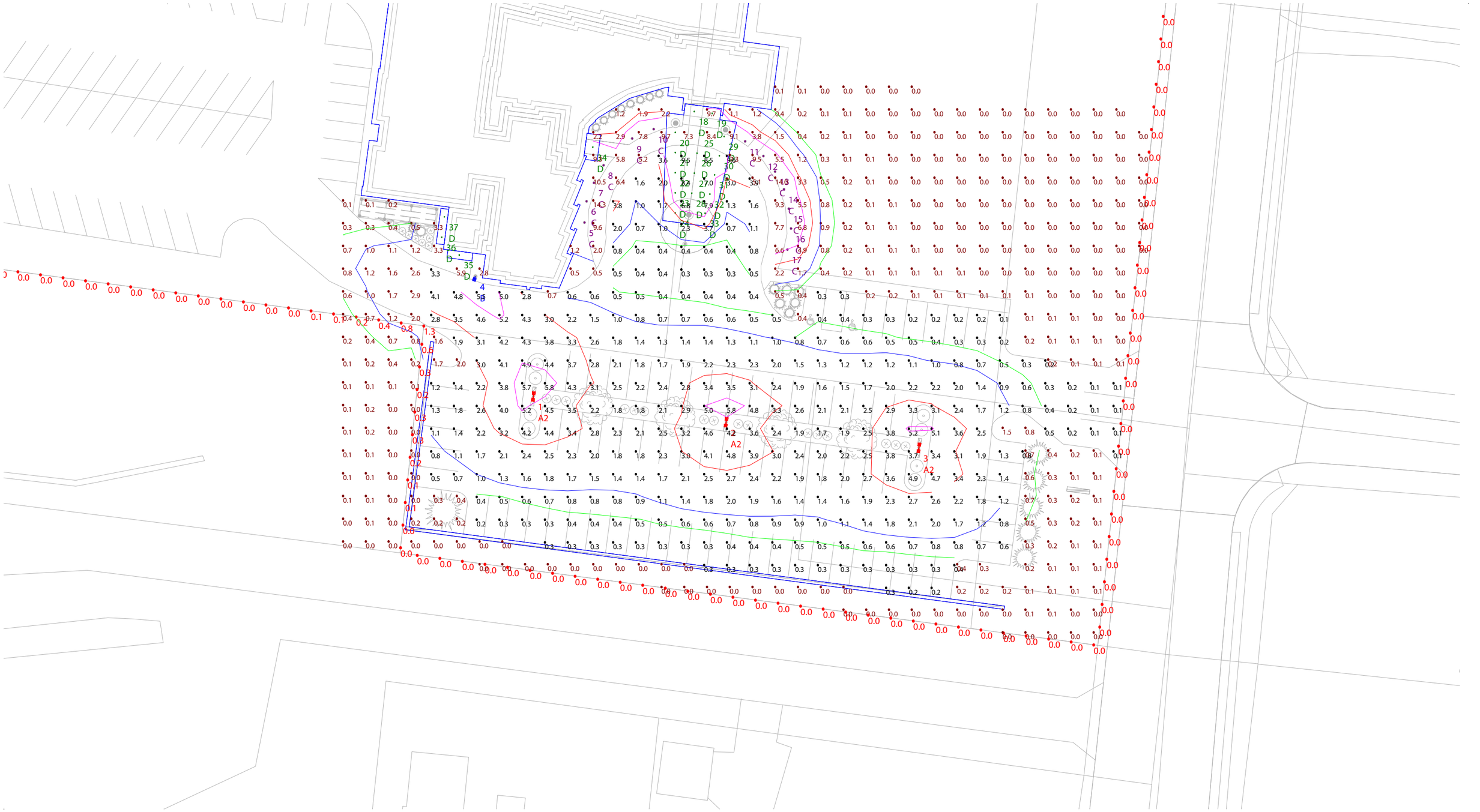
KENWOOD BAPTIST CHURCH

PHASE I - NEW ADDITION & REMODELING
KENWOOD BAPTIST CHURCH
8341 KENWOOD ROAD
CINCINNATI, OHIO 45236

ISSUE:	DATE:
PRICING SET	07-01-20

SHEET TITLE
Architectural Site Plan

SHEET NO.
A1.01



Scale: 1 inch= 40 Ft.

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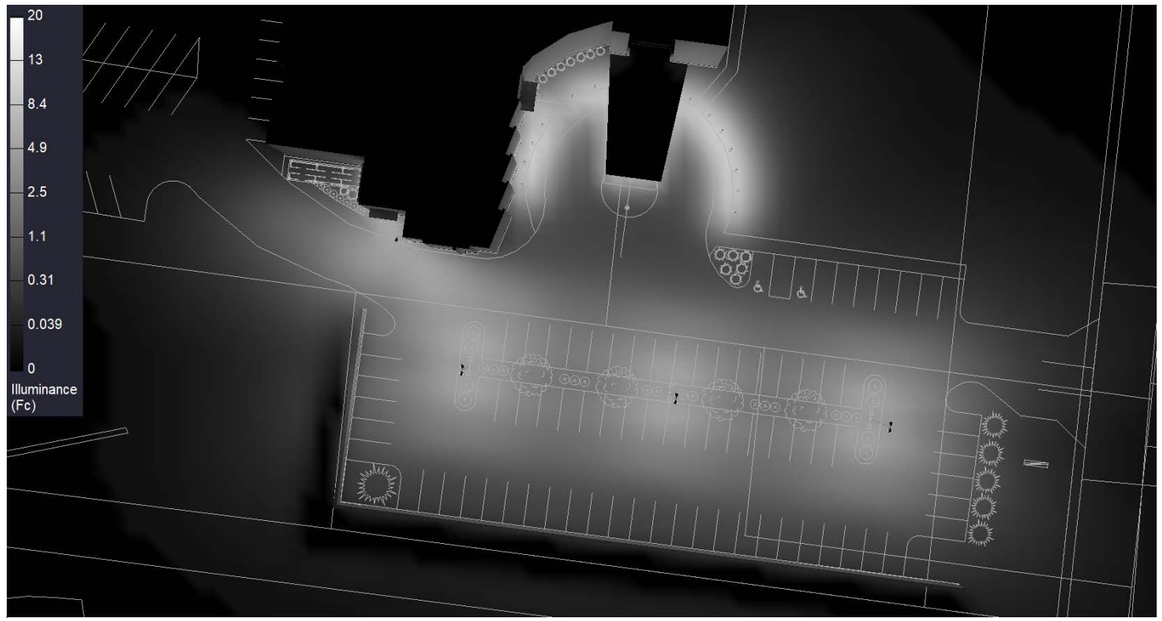
Prepared For:
Cooper Electrical Sales
2470 Duckcreek Road
Cincinnati, OH 45212
Tel: 513-351-7800

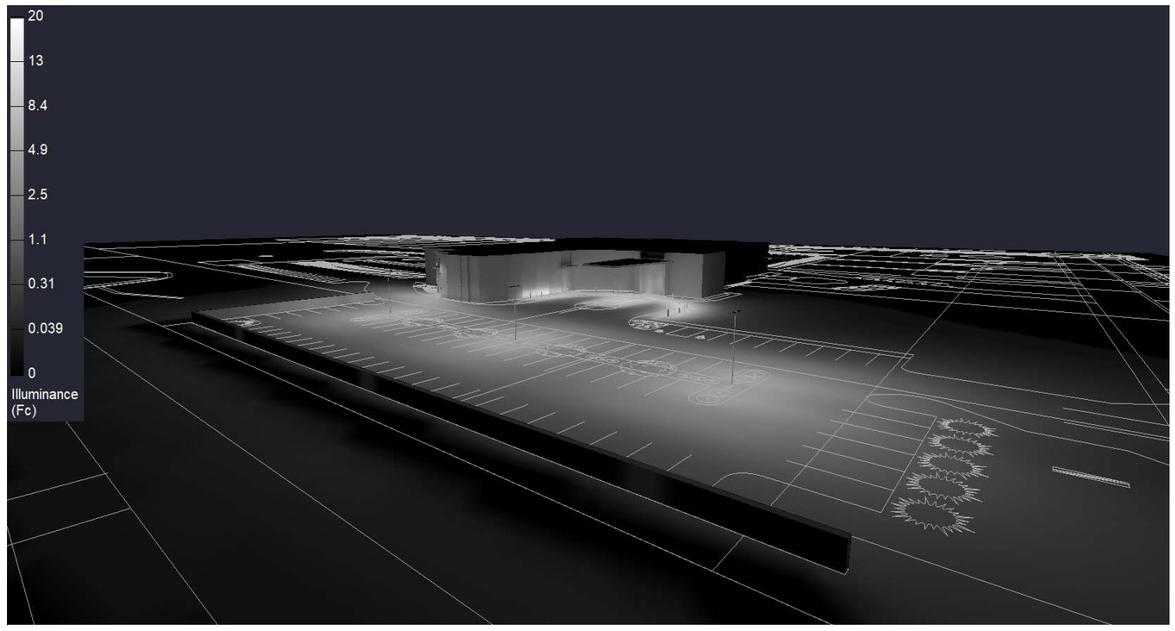
Job Name:
Kenwood Baptist
Cincinnati, OH
Lighting Layout
Version B

Scale: as noted	Project # : 160184
Date:10/1/2020	CASE # : 00509907
Filename: Kenwood Baptist 00509907B.AGI	
Drawn By: Margaret Callan	

Filename: R:\Job Files\Cooper Electrical Sales\Richards Electric Supply\Cincinnati 102894\KENWOOD BAPTIST\Working Files\AGI\Kenwood Baptist 00509907B.AGI



Plan View



Iso View

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Calculation Summary											
Label	**CalcType**	**Units**	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**	**Description**	**PtSpcLr**	**PtSpcTb**	**Meter Type**
New Adidition Parking	Illuminance	Fc	1.86	9.6	0.1	18.60	96.00	Readings taken at 0'0" AFG	10	10	Horizontal
Property Line	Illuminance	Fc	0.01	1.3	0.0	N.A.	N.A.	Readings taken at 5' AFG	10	N.A.	Horizontal
Site	Illuminance	Fc	0.86	14.3	0.0	N.A.	N.A.	Readings taken at 0'0" AFG	10	10	Horizontal

Luminaire Schedule			All quotes/orders generated from this layout must be forwarded to the Local Rep Agency			
Symbol	**Qty**	**Tag**	**Label**	**Arrangement**	**LLF**	**Description**
	3	A2	ALED3T78 x2	BACK-BACK	1.000	Pole Mounted (Type III)
	1	B	ALED2T78	SINGLE	1.000	Pole Mounted (Type II)
	13	C	BDLEDR18	SINGLE	1.000	42 inch round bollard
	20	D	R2R8940120W	SINGLE	1.000	Recessed New Construction 2 inch downlight

Expanded Luminaire Location Summary					
LumNo	**Tag**	**X**	**Y**	**MTG HT**	**Orient**
1	A2	1058.477	346.101	20	83
1	A2	1058.111	343.123	20	263
2	A2	1143.236	334.797	20	82
2	A2	1142.818	331.827	20	262
3	A2	1228.003	323.53	20	82
3	A2	1227.585	320.56	20	262
4	B	1032.314	396.035	20	250
5	C	1080.761	421.145	3.5	348
6	C	1081.694	430.479	3.5	343
7	C	1084.894	438.612	3.5	328
8	C	1089.161	446.312	3.5	328
9	C	1101.727	458.079	3.5	303
10	C	1111.194	462.212	3.5	292
11	C	1151.394	456.845	3.5	236
12	C	1159.427	450.379	3.5	223
13	C	1164.561	443.579	3.5	213
14	C	1168.461	435.745	3.5	198
15	C	1170.594	427.212	3.5	180
16	C	1171.561	418.512	3.5	180
17	C	1169.994	409.245	3.5	168
18	D	1129	470	15	262
19	D	1136.895	469.186	15	262
20	D	1120.693	460.812	15	270
21	D	1120.678	451.952	15	270
22	D	1120.663	443.093	15	270
23	D	1120.648	434.233	15	270
24	D	1120.633	425.373	15	270
25	D	1131.374	460.449	15	270
26	D	1130.221	451.67	15	270
27	D	1129.068	442.891	15	270
28	D	1127.915	434.112	15	270
29	D	1142.176	458.992	15	270
30	D	1140.082	450.557	15	270
31	D	1137.989	442.122	15	270
Total Quantity: 40 (34 shown, 1 through 34)					

Expanded Luminaire Location Summary					
LumNo	**Tag**	**X**	**Y**	**MTG HT**	**Orient**
32	D	1135.895	433.687	15	270
33	D	1133.801	425.252	15	270
34	D	1084.405	454.34	15	352
35	D	1025.733	406.875	15	262
36	D	1018.005	414.721	15	172
37	D	1019.131	423.692	15	172
Total Quantity: 40 (6 shown, 35 through 40)					

NOTES:
* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.

* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of RAB Lighting Inc.

* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.

* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in the state the site is located be engaged to assist in this determination.

* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.

* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the RAB lighting design model. RAB is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies.

* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.

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PHASE I
NEW ADDITON & REMODELING
KENWOOD BAPTIST CHURCH
8341 KENWOOD ROAD
CINCINNATI, OHIO 45236

Drawing Symbol Index:

- COLUMN LINES
- MATCH LINE (ALIGNMENT SIDE) — MATCH LINE
- ELEVATION — EXISTING SPOT ELEVATION
- ELEVATION — NEW SPOT ELEVATION
- ELEVATION / LOCATION — ELEVATION, WORKPOINT, DATUM
- REVISION CLOUD AND NUMBER
- BUILDING SECTION NUMBER / SHEET NUMBER — BUILDING SECTION REFERENCE
- WALL SECTION NUMBER / SHEET NUMBER — WALL SECTION REFERENCE
- ELEVATION NUMBER / SHEET NUMBER — EXTERIOR ELEVATION REFERENCE
- C / SUB-ELEVATION NUMBER / ELEVATION NUMBER / B D / SHEET NUMBER / A — INTERIOR ELEVATION REFERENCE
- DETAIL NUMBER / SHEET NUMBER — DETAIL REFERENCE
- 101 — DOOR REFERENCE
- 01 — WINDOW REFERENCE
- A — PARTITION TYPE REFERENCE
- 1 — DRAWING NOTE REFERENCE
- ROOM NAME / 101 — ROOM NAME AND NUMBER REFERENCE

Project Team:

DESIGNED BY:

HiFIVE DESIGN GROUP
202 WEST MAIN STREET
MASON, OHIO 45040
VOICE: (513) 336-9280
FAX: (513) 336-0196

CONSTRUCTED BY:

HiFIVE DEVELOPMENT SERVICES
202 WEST MAIN STREET
MASON, OHIO 45040
VOICE: (513) 336-9280
FAX: (513) 336-0196

Project General Notes:

1. THIS DOCUMENT IS THE PRODUCT AND EXCLUSIVE PROPERTY OF HIFIVE DESIGN GROUP. NEITHER THE DOCUMENT NOR THE INFORMATION IT CONTAINS MAY BE COPIED OR USED WITHOUT EXPLICIT WRITTEN CONSENT OF HIFIVE DESIGN GROUP.
2. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS ARE THE ONLY ACCEPTABLE MEANS OF LOCATION.
3. ALL INTERIOR DIMENSIONS ARE TO THE FACE OF STUD OR MASONRY. ALL EXTERIOR DIMENSIONS ARE TO THE FACE OF STUD OR ICF. U.N.O.
4. PROVIDE WALL BOARD TRIM AT ALL EXPOSED EDGES AND CORNERS OF GYPSUM WALLBOARD CONSTRUCTION. PLASTIC J-BEAD OR OTHER NON-DRYWALL COMPOUND TRIM PIECES PROHIBITED (U.N.O.)
5. IT IS THE INTENTION OF THE KEY NOTES LOCATED ON THE VARIOUS SHEET(S) WITHIN THIS DRAWING SET TO IDENTIFY CONSTRUCTION ELEMENTS, NOT NECESSARILY DESCRIBE ENTIRE ASSEMBLIES OR PROCESSES. THE INSTALLATION OF SAID ELEMENT SHOULD INCLUDE ALL ASSOCIATED CONSTRUCTION NECESSARY TO ACHIEVE INSTALLATION AND OPERATION (USE) OF SAID ITEM. FOR EXAMPLE, THE INSTALLATION OF CERAMIC TILE SHALL INCLUDE (BUT BE NOT LIMITED TO) THE SURFACE PREPARATION, MASTIC, GROUT, EDGE STRIPS, SEALING, CLEANING, ETC. IN ADDITION, IF THE PLUMBER INSTALLS A LAVATORY, IT MEANS HE/SHE SHALL PREPARE SURFACE(S), SET LAVATORY, SEAL AROUND BOWL, PROVIDE FAUCET, CONNECT TO PLUMBING AS NECESSARY TO ACHIEVE AN AESTHETICALLY PLEASING, ADAAG COMPLIANT (WHERE INDICATED), OPERATIONAL LAVATORY UPON COMPLETION OF THE PROJECT.
6. ALL ELEVATIONS ARE BASED ON 100'-0" REFERENCING FIRST FLOOR SLAB LEVEL EXCEPT FOR ELEVATIONS THAT REFERENCE A.F.F (ABOVE FINISHED FLOOR) OR OTHER SPECIFIC INDICATOR.

Vicinity Map:

Index of Drawings

Issue Legend
○ = *Included with Issue*
● = *New or Updated*

Drawing No.	Drawing Description	07-01-20 Pricing Set	09-18-20 Pricing Set	10-15-20 Zoning CU Application
A0.00	COVER SHEET	●	●	●
	CIVIL / LANDSCAPING			
L-1	LANDSCAPE PLAN			●
L-2	LANDSCAPE SPECIFICATIONS			●
L-3	LANDSCAPE SPECIFICATIONS & PLANTING DTL.'S			●
	ARCHITECTURAL			
A1.00	EXISTING SITE DEMOLITION PLAN	●	●	●
A1.01	PROPOSED ARCHITECTURAL SITE PLAN	●	●	●
A1.11	FIRST FLOOR DEMOLITION PLAN	●	●	
A1.12	SECOND FLOOR DEMOLITION PLAN	●	●	
A2.01	OVERALL FIRST FLOOR PLAN	●	●	
A2.02	OVERALL SECOND FLOOR PLAN	●	●	
A3.00	ENLARGED PARTIAL FLOOR PLANS	●	●	
A3.10	ENLARGED REFLECTED CEILING PLANS	●	●	
A3.11	ENLARGED REFLECTED CEILING PLANS	●	●	
A3.20	ENLARGED FINISH PLANS	●	●	
A3.21	INTERIOR RENDERINGS & CONCEPT IMAGES	●	●	
A4.00	EXTERIOR ELEVATIONS	●	●	●
A4.01	EXTERIOR RENDERINGS	●	●	●

Index of Drawings Con't

Issue Legend
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Drawing No.	Drawing Description

HIFIVE DESIGN GROUP
202 W Main St | 513.336.9280
Mason OH 45040 | www.hifive1.com

STATE OF OHIO ★ ARCHITECT ★ REGISTERED
MARK A. DAVIS 9784
MARK A. DAVIS LICENSE #9784
EXPIRATION DATE 12/31/2021

KENWOOD BAPTIST CHURCH

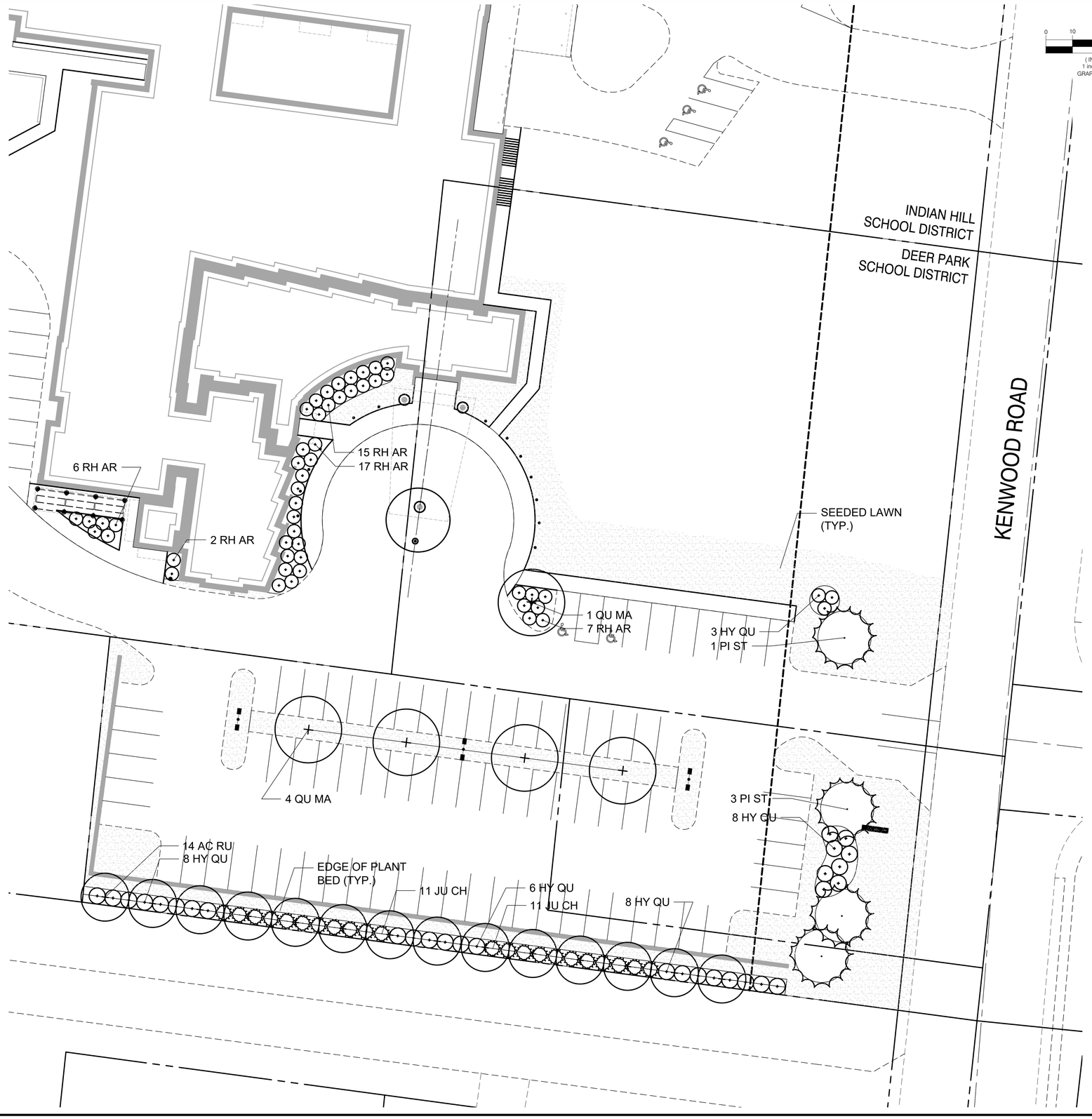
PHASE I - NEW ADDITION & REMODELING
KENWOOD BAPTIST CHURCH
8341 KENWOOD ROAD
CINCINNATI, OHIO 45236

ISSUE:	DATE:
PRICING SET	07-01-20
REV. PRICING SET	09-18-20
ZONING CU APPL.	10-15-20

SHEET TITLE
Cover Sheet
SHEET NO.
A0.00

Plant List

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOTS	COMMENTS
Canopy Trees						
AC RU	14	Acer rubrum 'Brandywine'	Brandywine Red Maple	2 ½" cal.	B&B	
QU MA	5	Quercus macrocarpa	Bur Oak	2 ½" cal.	B&B	
Evergreen Trees						
PI ST	4	Pinus strobus	Eastern White Pine	8' Ht.	B&B	
Deciduous Shrubs						
HY QU	33	Hydrangea quercifolia 'Amethyst'	Amethyst Oakleaf Hydrangea	18" Ht.	No. 5 Cont.	Plant 6' o.c.
RH AR	47	Rhus aromatica 'Gro-low'	Gro-low Fragrant Sumac	24" Sprd.	No. 3 Cont.	Plant 5' o.c.
Evergreen Shrubs						
JU CH	22	Juniperus chinensis 'Hetzii Glauca'	Hetz Blue Juniper	24" Ht.	B&B	Plant 6' o.c.



your trusted advisor
consultants
engineers
architects
planners

NO	REVISION	DATE

SCALE:	1"=20'
DATE:	10/15/2020
DESIGNED BY:	PJR
DRAWN BY:	BEK
CHECKED BY:	PJR

KENWOOD BAPTIST CHURCH
8341 Kenwood Rd
CINCINNATI - HAMILTON COUNTY - OHIO

LANDSCAPE PLAN

PROJECT NO: 190993

DRAWING NAME: LANDSCAPE PLAN

SHEET L-1 OF L-3

LAWN SPECIFICATIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Planting lawns in disturbed areas and areas indicated on the Drawings.

B. Work includes
1. Establishing finish grades.
2. Providing seeded lawns.

1.02 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Deliver seed materials in original, unopened containers showing weight, analysis and name of manufacturer. Store in a manner not to impair effectiveness.

1.03 JOB CONDITIONS

A. Planting Season: Sow grass seed immediately after preparation of bed. Perform spring seeding between April 1st and June 1st; fall seeding between August 15th and October 15th, or at such time as approved by Owner's Representative.

PART 2 PRODUCTS/MATERIALS

2.01 MATERIALS

A. Fertilizer: Commercial Fertilizer containing 10% nitrogen, 6% phosphoric acid and 4% potash by weight. One quarter of nitrogen shall be in form of nitrates, one quarter in form of ammonia salt and one half in form of organic nitrogen. Phosphoric acid shall be from super-phosphate, bone or tankage. Potash shall be in form of sulfate of potash. Availability of various elements shall conform to standards of the Association of Official Agricultural Chemists.

B. Grass Seed:

40% Kentucky Bluegrass
15% Patriot 4 or Laredo II Perennial Ryegrass
15% Amazing GS Perennial Ryegrass
15% Revenge GLX Perennial Ryegrass
15% Replay Perennial Ryegrass

Or approved equal.

Depending on time of seeding, Annual Ryegrass may be added to the seed mix for quick cover, if requested by Owner, at no additional cost to project.

C. Topsoil: Existing topsoil from on-site to be respread under earthwork operations. Supplement existing topsoil with new topsoil in accordance ith ODOT Item 653 to achieve specified depth in all areas to be seeded.

D. Mulch: Clean straw or other approved material, well-seasoned before baling, containing less than 20% moisture by weight, free from mature seed- bearing stalks or roots of prohibited or noxious weeds. Mulch shall not contain the stems of tobacco, soybeans or other coarse or woody materials.

E. Asphaltic Emulsion: Refined petroleum asphalt emulsified in alkaline water without use of clay, starch or deleterious substances, and not more than 0.75% of saponifiable acids; of a fluid consistency suitable for spray application with or without dilution with water and with no petroleum solvents or other diluting agents toxic to plant life.

PART 3 EXECUTION

3.01 GENERAL

A. Hydroseeding my utilized to install lawns only if approved in writing by the Owner. If hydroseeding is approved by the Owner, protect adjacent pavements and/or structures from overspray. Any overspray shall be immediately and completed removed from affected pavements and/or structures.

3.02 PREPARATION

A. Contractor shall test topsoil at an approved testing lab to obtain recommendations for amendments for lawn crops.

B. Spread existing stockpiled topsoil to a minimum 4'' depth in all areas to be seeded.

C. Finish grade all areas to receive new lawns. Remove any foreign materials larger than 2" from lawn areas. Areas shall be raked of all denuded matter.

D. Do not finish grade topsoil in muddy or frozen condition.

E. Prior to seeding, apply ground agricultural limestone to soil, if necessary, at rate determined by Contractor's soil tests to adjust pH of soil at no less than 5.0. Distribute ground limestone evenly by machine over whole area and incorporate thoroughly into soil.

F. After topsoil and, if necessary, limestone have been spread, apply fertilizer at rate recommended in the soil test.

3.03 LAWN SEEDING

A. Sow grass seed immediately after preparation of bed.

B. Sow grass seed evenly by mechanical spreader at rate of five (5) pounds per 1000 square feet. Do all seeding when soil is dry and wind does not exceed 5 mph velocity.

C. After seeding, rake surface of soil slightly with a fine toothed rake to incorporate seed into top 1/8" of soil and roll with light lawn roller as directed by Owner's Representative.

D. Place mulch uniformly on seeded areas within 24 hours after seeding.

E. Place mulch uniformly in a continuous blanket at rate of one and one half bales per 1,000 square feet.

F. Where size of areas mulched precludes use of equipment, mulch may be anchored by use of a light covering of topsoil or other approved means.

G. Protect buildings, site walls, pavements and plantings and non-seeded areas from asphaltic emulsion overspray.

3.04 CLEANUP AND PROTECTION

A. During lawn operations, keep pavements clean and work area in an orderly condition.

3.05 LAWN MAINTENANCE

A. Maintenance of seeded areas shall begin immediately after each area is seeded and shall continue until a uniform stand of grass is achieved and until acceptance of project by the Owner, but not for less than thirty days after initial seeding.

B. Water as required to maintain adequate moisture in the upper 4" of soil, necessary to promote proper root growth. Contractor shall furnish water to the site for purposes of lawn watering unless the Contractor makes other arrangements with the Owner for water supply. The irrigation system may be used for watering if it is fully functioning and has been accepted by the Owner, and use of the irrigation system for watering is permitted by Owner.

C. Remove weeds, diseased and unsatisfactory lawn areas; do not bury into soil.

3.06 INSPECTION OF LAWN

A. Inspection to determine acceptability of work will be made by the Owner's Representative upon the request by the Contractor.

B. Failure to request inspection extends the maintenance period until such inspection for acceptance.

C. After inspection, the Contractor will be notified by the Owner's Representative of acceptance of seeding. If there are any deficiencies, notification will be for completion requirements of the work. Work remaining to be done shall be subject to continued maintenance and reinspection before acceptance.

D. Upon acceptance, the Owner shall be responsible for all maintenance of lawns.

3.07 GUARANTEE AND REPLACEMENT OF LAWN

A. All lawn shall be guaranteed by this Contractor to achieve a uniform stand of grass to the satisfaction of the Owner. All lawn not in a vigorous, thriving condition shall be immediately replaced by this Contractor at no expense to the Owner.

B. Should replacement fall due during a non-planting season the Contractor may request the Owner's permission to defer the planting until the proper season. Replacement lawn shall be of the same variety originally specified and shall be guaranteed as originally specified.

END OF SECTION

LANDSCAPE WORK SPECIFICATIONS

PART 1 GENERAL

1.01 DESCRIPTION OF WORK

A. Provide all labor, materials, and equipment necessary to perform the landscape work, complete, as indicated on the drawings and as specified. Landscape development work includes, but is not limited to, plant materials, soils, soil amendments, and miscellaneous appurtenances.

B. A complete list of plants, including a schedule of quantities, sizes and other requirements is shown on the drawings. In the event that discrepancies occur between the quantities of plants indicated in the plant list and as indicated on the plan, the plant quantities indicated on the plan shall govern.

1.02 QUALITY ASSURANCE

A. General:
1. Landscape work shall be performed by a firm(s) specializing in type of landscape work required for this project.
2. Ship landscape materials with certificates of inspection required by governing authorities. Comply with regulations applicable to landscape materials.

B. Substitutions: If specified landscape material is not obtainable, submit proof of non-availability to Owner's Representative together with a proposal for use of substitute material.

C. Analysis and Standards: Package standard products with manufacturer's certified analysis. For other materials, provide analysis by recognized laboratory made in accordance with methods established by the Association of Official Agricultural Chemists, wherever applicable.

D. Plant Materials: Provide plant materials of quantity, size, genus, species and variety shown and scheduled for landscape work and complying with recommendations and requirements of ANSI Z60.1 "American Standard for Nursery Stock". Provide healthy, vigorous stock, grown in recognized nursery in accordance with good horticultural practice and free of disease, insects, eggs, larvae and defects such as knots, sun-scald, injuries, abrasions or disfigurements. All plants shall be nursery grown for a minimum of two years under climatic conditions similar to those in the locality of the project. (Plants must be from a nursery in the same U.S.D.A. hardiness zone as the project.)

E. Specimen Plants: Provide ''specimen'' plants with a special height, shape or character of growth. Specimen stock should be exceptionally fully developed, bushy and heavily branched plants that have been grown individually in the nursery. Tag specimen trees at the source of supply for inspection and approval by the Owner's Representative prior to digging. When specimen plants cannot be purchased locally, provide sufficient photographs of the proposed specimen plants for approval.

F. Labeling: Label each tree with securely attached waterproof tag bearing legible designation of botanical and common name.
1. Where formal arrangements or consecutive order of trees are shown, select stock for uniform caliper, height and spread and label with number to assure symmetry in planting.

G. Inspection: The Owner's Representative may inspect trees at place of growth before digging, for compliance with requirements for genus, species, variety, size and quality. The Owner's Representative retains the right to further inspect trees for size and condition of balls and root systems, insects, injuries and latent defects. The Owner's Representative also retains the right to reject unsatisfactory or defective material at any time during progress of work. Remove rejected trees or shrubs immediately from project site.

H. Plant Tagging: The Owner's Representative reserves the right to inspect and tag plant materials at acceptable nurseries for compliance with requirements for genus, species, variety, size and visual quality. The Owner's Representative retains the right to further inspect plant materials and to reject unsatisfactory or defective materials at any time during progress of work.
1. Submit to the Owner's Representative the names and locations of nurseries proposed as sources of acceptable plant materials.
2. If requested by the Owner's Representative, the Contractor shall provide transportation for the Owner's Representative to all out-of-state nurseries and is responsible for all expenses related to such transportation. Air fare, lodging (if required), and meals shall be provided for the Owner's Representative and paid for by the Contractor for trips to all nurseries not accessible by car during a single day trip (there and back, not exceeding 12 hours).
3. Schedule with the Owner's Representative a time for viewing plant material at the nursery. Trips to nurseries shall be efficiently arranged to allow the Owner's Representative to maximize his viewing time.
4. The Contractor is responsible for purchasing the tagged material and delivering it to the site for planting. These requirements do not remove the Contractor from his guarantee requirements.

1.03 SUBMITTALS

A. Samples: When requested by the Owner's Representative, samples of all materials shall be submitted for approval. Contractor shall not deliver bulk materials to the project site until samples and test results are approved.
1. Samples of the following shall be submitted:
   a. Compost/organic matter: Submit one cubic foot.
   b. Mulch: Submit one cubic foot.
   c. Tree Wrap: Submit a three foot length.

B. Certification: Submit certificates of inspection as required by governmental authorities. Submit manufacturer's or vendor's certified analysis for soil amendments and fertilizer materials. Submit other data substantiating that materials comply with specified requirements.

C. Test Reports: Test reports from an approved testing agency indicating compliance with the specifications shall be submitted for the following materials (and any other materials designated by the Owner's Representative):
1. Compost/Organic Matter
2. Planting soil for shrubs indicating pH, or required amendments to achieve specified pH.

D. Planting Schedule: Submit proposed planting schedule indicating dates for each type of landscape work during normal seasons for such work in area of site. Correlate with specified maintenance periods to provide maintenance from date of substantial completion. Once accepted, revise dates only as approved in writing, after documentation of reasons for delays.

E. Record Drawings: Provide plant material record drawings.
1. Legibly mark drawings to record actual construction.
2. Identify field changes of dimension and detail and changes made by change order, including approved plant variety changes.

1.04 INSPECTION, TESTING, AND APPROVALS

A. In-progress inspections shall be made by the Owner's Representative at regular intervals during execution of work on the project.

B. Materials shall not be used in construction until test results have been reviewed by the Owner's Representative.

C. All costs associated with testing shall be at Contractor's expense.

D. All approvals shall be in writing.

1.05 DELIVERY, STORAGE AND HANDLING

A. Delivery
1. Deliver fresh materials in sealed containers. Protect from deterioration during delivery, and while stored at the site. Material which becomes caked or otherwise damaged, making it unsuitable for use, shall be rejected.
2. Fertilizer shall be delivered to the site in bags or other sealed containers, each fully labeled, conforming to the applicable state fertilizer law, and bearing the name, trade name or trademark, and warranty of the manufacturer.
3. Protect plants during transportation by proper coverage with tarp or other means to reduce transpiration and damage. Closed vehicles shall be adequately ventilated to prevent overheating of the plants.
4. Trees transported in full-leaf are to be adequately sprayed with an anti-desiccant to provide a film over trunks, branches, stems, twigs, and foliage.
5. Plants shall be kept moist, fresh, and protected at all times. Such protection shall encompass the entire period during which the plants are in transit, being handled, or are in temporary storage.
6. Notify the Owner's Representative at least three working days in advance of the anticipated delivery date of any plant material. A legible copy of the bill of lading, showing the quantities, kinds (genus, species, cultivar, variety), and sizes of materials included for each shipment shall be furnished to the Owner's Representative.

B. Storage: Unless specific authorization is obtained from the Owner's Representative, plants shall not remain on the site of work longer than three days prior to being planted.
1. Plants that are not planted immediately shall be protected as follows:
   a. If planting is to be delayed more than six (6) hours after delivery, set trees, shrubs and plants in shade or protected area. Keep roots moist by covering with mulch, burlap or other acceptable means of retaining moisture.
   b. Plants shall not be allowed to dry out or freeze.
2. Both the duration and method of storage of plant materials shall be subject to the approval of the Owner's Representative.

C. Handling:
1. Plants shall not be dug at the nursery or approved source until the Contractor is ready to transport them from their original locations to the site of work or acceptable storage location.
2. As soon as possible after digging, all root balls shall be thoroughly soaked and the top of the plant syringed (in active season).
3. Plants shall be handled by the ball and not by trunk or top growth. No plant shall be so bound with rope or wire at any time as to damage the bark, break branches, or destroy its natural shape.
4. Protect all plant areas and plants from damage. Treat or replace any plants that are injured. Perform no work in or over prepared plant areas or adjacent to planting without proper safeguards and protection.
5. Do not remove container grown stock from containers until planting time.
6. Prepare planting pits and install plant material in accordance with specification.

1.06 JOB CONDITIONS

A. General:
1. Examine subgrade, verify the elevations, observe the conditions under which work is to be performed. Do not proceed with the work until unsatisfactory conditions have been corrected.
2. Proceed with and complete the landscape work as rapidly as portions of the site become available, working within the seasonal limitations for each kind of landscape work required.
3. When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions, or obstructions, do not plant.
4. If underground obstructions are encountered in the excavation of plant pits, alternate locations may be selected by the Owner's Representative. Where locations cannot be changed, the obstruction shall be removed to a depth of not less than 3 feet below grade and no less than 6" below bottom of ball or roots when plant is properly set at the required grade.
5. Plant only during normal planting seasons for each type of landscape work required. Correlate planting with specified maintenance service periods to provide maintenance until occupancy by the Owner.

B. Utilities:
1. Determine location of underground utilities and perform work in a manner which will avoid possible damage.
2. Hand excavate, as required, to minimize possibility of damage to underground utilities.
3. Maintain all stakes and markers set by others until removal is mutually agreed upon by all parties concerned.

C. Trees:
1. Plant trees after final grades are established and prior to planting of lawns. If planting of trees occurs after lawn work, promptly repair damage to lawns resulting from planting operations.

1.07 PLANTING SEASON

A. Spring Planting: Spring planting may commence April 1 and as soon as weather conditions make it practicable to work both at the nursery and at the site.

B. Fall Planting: Fall planting may commence September 1 and shall continue until such time as weather conditions make it impractical to work.

Note: Regardless of the dates specified above, planting shall only be performed when weather and soil conditions are suitable for planting the material specified in accordance with locally accepted practice.

Planting season may be extended only with the written permission of the Owner's Representative.

PART 2 PRODUCTS/MATERIALS

2.01 PLANTING SOIL FOR TREES

A. For backfilling tree pits, planting soil mixture shall be prepared using the following rate of materials:

Four (4) parts existing soil on site, by volume
One (1) part compost/organic matter, by volume

B. Mixture shall be well mixed and approved by the Owner's Representative before any plants are installed.

2.02 SOIL AMENDMENTS

A. General: Unless specified otherwise below, the following soil amendments shall be used at rates recommended by topsoil testing.

B. Lime: Natural dolomitic limestone containing not less than 85% of total carbonates with a minimum of 30% magnesium carbonates, ground so that not less than 90% passes a 10-mesh sieve and not less than 50% passes a 100-mesh sieve. Limestone shall be used to raise the pH of the planting soil when necessary.

C. Aluminum Sulfate: Unadulterated free flowing and delivered in containers with the name of the material, name of the manufacturer, net weight and purity. Aluminum sulfate shall be used to lower the pH of the planting soil when necessary.

D. Weed Control: Shall be a labeled herbicide appropriate for use with the plants grown. It can be applied in either granular or liquid form according to directions.

E. Compost/Organic Matter: Leaves composted 18-24 months in high temperatures, creating rich, mellow dark leaf humus. Leaf humus to be shredded and screened, and shall be free of weed seeds and toxic materials. Leaf humus (or other approved organic matter) shall conform to the following:
1. 100% shall pass through a 1" screen.
2. Pathogen free; time and temperature tests minimum 55° Celsius for 3 days.
3. Organic content shall be between 35-75%; each source shall not vary more than 5%.
4. Inert contamination shall be less than 1% by weight.
5. Material shall be cured for at least 90 days.
6. Soluble salts shall be between 1-5 mmhos.
7. pH shall be between 6 and 8.

Note: Compost/organic matter other than leaf humus is acceptable providing it conforms to these specifications.

F. Commercial Fertilizers: Complete fertilizer of neutral character with some elements derived from organic sources and containing the following percentages of available plant nutrients:
1. For trees, shrubs, groundcovers, and perennials, provide controlled release fertilizer with not less than 5% total nitrogen, 10% available phosphoric acid and 5% soluble potash. Fertilizer shall be added in proportions determined by soil analysis and per manufacturer's recommendation.

PRELIMINARY

engineers
architects
planners
your trusted advisor
consultants

NO	REVISION	DATE

SCALE: NTS
DATE: 10/15/2020
DESIGNED BY: PJR
DRAWN BY: BEK
CHECKED BY: PJR

KENWOOD BAPTIST CHURCH
8341 Kenwood Rd
CINCINNATI - HAMILTON COUNTY - OHIO

LANDSCAPE PLAN

PROJECT NO:
190993

DRAWING NAME
LANDSCAPE PLAN

SHEET L-2 OF L-3

2.03 PLANT MATERIALS

A. General:
1. Provide plants of size, genus, species and variety shown and scheduled for landscape work and complying with latest recommendations and requirements of ANSI Z60.1 "American Standard for Nursery Stock". All plants shall be nursery grown.
2. All plants shall be hardy under climatic conditions and nursery grown in the same hardiness zone, or colder, as the project.
3. Plants shall have outstanding form; symmetrical, heavily branched with an even branch distribution, densely foliated and/or budded, and a strong, straight, distinct leader where this is characteristic of species. Plants shall possess a normal balance between height and spread. The Owner's Representative will be the final arbiter of acceptability of plant form.
4. Provide plants with a vigorous, well-developed fibrous root system.
5. Plants shall be healthy and vigorous, free of disease, insect pests and their eggs, larvae, borers, and all other forms of infestation.
6. Plants shall be free of physical damage such as scrapes, broken or split branches, scars, bark abrasions, sun scalds, frost cracks, fresh limb cuts, disfiguring knots, or other defects.
7. Plants shall meet the sizes indicated in the Plant List. Plants larger than specified may be used only if accepted by the Owner's Representative, and without additional cost to the Owner.
8. Balled and burlapped plants shall be dug with firm, natural balls of earth of sufficient diameter and depth to encompass the fibrous and feeding root system necessary for full recovery of the plant. Provide ball sizes complying with the latest edition of the "American Standard for Nursery Stock." Cracked or mushroomed balls are not acceptable. Plastic burlap and/or twine is not acceptable.

B. Deciduous Trees: Provide trees of height and caliper scheduled or shown and with branching configuration recommended by ANSI Z60.1 for type and species required. Provide single stem trees except where special forms are shown or listed. Single stem trees shall have a single, straight central leader.
1. Provide balled and burlapped (B&B) deciduous trees.
2. Canopy trees shall be branched up 5½' to 6'

2.04 MISCELLANEOUS LANDSCAPE MATERIALS

A. Shredded Bark Mulch: Shall be a finely shredded hardwood tree bark of uniform texture and size and shall be a slow decomposing, all organic material. Shredded bark shall be aged at least one year and dark brown in color. It shall not contain an excessive amount of acid that may adversely affect plant growth. Mulch shall be free of weeds and weed seeds.

B. Anti-Desiccant: Emulsion type, film forming agent designed to permit transpiration but retard excessive loss of moisture from plants. Deliver in manufacturer's fully identifiable containers and mix in accordance with manufacturer's instructions.

C. Herbicide: Shall be a labeled herbicide for the plants grown. It can be applied in either granular or liquid form according to directions.

D. Guying and Staking:
1. Guying Stakes: Shall be sound uniform hardwood stakes 2" x 2" x 36", or as shown on detailed drawings.
2. Bracing Stakes: Shall be sound uniform hardwood stakes 2" x 2" x 8' to 10', or as shown on detailed drawings.
3. Trunk Protector: For covering staking wire shall be Arbor Tie or equal.
4. Twine: Shall be a jute twine not less than two ply (no synthetic twines).
5. Cable/Wire: Shall be 12 or 14 gauge galvanized steel solid strand wire depending on size of tree. See planting details.
6. Turnbuckles: Galvanized or zinc coated, having a 3" minimum lengthwise opening fitted with screw eyes, and shall have a tensile strength equal to or greater than the attaching wire or cable.

E. Water: Shall be suitable for irrigation and shall be free from ingredients harmful to plant life. Contractor shall furnish water to site for purposes of plant watering unless the Contractor makes other arrangements with the Owner for water supply.

PART 3 EXECUTION

3.01 GENERAL

A. Examine proposed planting areas and conditions of installation. Do not start planting work until unsatisfactory conditions are corrected.

B. It shall be the Landscape Contractor's responsibility to coordinate work with other Contractors on the project.

C. The Contractor shall take all proper precautions so as not to disturb or damage subsurface improvements (see Paragraph 1.06 of this section).

D. Existing soil and organic matter shall be tested at an approved testing lab by the Contractor. When testing indicates a deficiency, soil amendments and fertilizer shall be applied at rates indicated by testing as specified herein, for optimal growth of specified plantings. See Paragraph 2.02 of these specifications for specific requirements for Planting Soil for Shrubs.

3.02 EXCAVATION FOR TREES

A. Excavate tree pits with vertical sides, taking care not to damage any subsurface improvements or utilities. Loosen hard subsoil on bottom and sides of excavation.

B. For tree locations, refer to the drawings and details.

C. Use soil removed from pit for preparation of planting soil backfill.

3.03 PLANTING INSTALLATION

A. Setting of Trees:
1. Set balled and burlapped (B&B) plants in pits as indicated on details. Each plant shall be set in the center of an individual pit and set plumb and straight. All plants shall be properly faced so as to give the best effect.
2. No filling is permitted around trunk or stems. Cut off all broken or frayed roots. No planting mixture in a frozen or muddy condition is permitted for backfilling.
3. Trees with broken root balls will not be accepted and will be replaced at Contractor's expense.
4. Tree trunks shall be installed plumb. Landscape contractor is responsible for adjustment of trees if not centered in pit.

B. Burlap Removal:
1. ALL TWINE SHALL BE REMOVED FROM THE BASE OF ALL PLANTS. Cut wire baskets from ball after setting in pit. Remove burlap from top and sides of ball and retain on bottom.

C. Backfill:
1. When the plant has been properly set, the pit shall be backfilled with specified planting soil. It shall be prepared by thoroughly mixing in the proper proportions prior to backfilling the pit.
2. Incorporate fertilizer into backfill mix at the rate recommended in the soil analysis and per manufacturer's recommendations.
3. The pit shall be loosely filled until full. Backfill shall be settled by watering and refilled as necessary. Dish top of backfill to allow for mulching.
4. No filling is permitted around trunks or stems. No planting mixture in a frozen or muddy condition is permitted for backfilling.

D. Watering of All Plants:
1. Once backfilled, all plants shall be thoroughly soaked to the depth of the pit excavation.
a. Subsequent watering shall be performed by the Landscape Contractor until final acceptance. The Contractor shall furnish water to the site, unless the Contractor makes arrangements with the Owner for water supply. The irrigation system may be used for watering if it is fully functioning and has been accepted by the Owner, and use of the irrigation system for watering is permitted by Owner.

3.04 PLANT FINISHING

A. Pruning: Pruning of deciduous stock shall be limited to removal of dead and broken limbs and conflicting branches, and to enhance the plant's natural character, if necessary.
1. Excessively pruned or misformed stock resulting from improper pruning shall be removed and replaced at the Contractor's expense.

B. Weed Control: Shall be done by applying pre-emergent herbicide at the rate specified by manufacturer.

C. Mulching: Mulch all trees to the depths specified.

D. Watering: Water all planted material thoroughly, immediately after planting.

E. Applying anti-desiccant: Use a power spray to provide an adequate film over trunks, branches, stems, twigs and foliage.
1. If deciduous trees are moved in full- leaf, spray with anti-desiccant at nursery before moving and again in 2 weeks after planting.

F. Guying and Staking: Trees shall be staked immediately after planting if directed by Engineer. On B&B stock, stakes shall not be driven through ball. Stakes shall be firmly driven into soil. (See planting details on drawing)
1. It shall be the Contractor's responsibility to keep guying wires tightened while contract and guarantee is in force.

3.05 CLEAN-UP AND PROTECTION

A. During landscape preparation, installation and maintenance, keep pavements debris free and work area in orderly condition. Remove all tags, labels, nursery stakes and ties from plants. Remove all excess soil, debris and surplus material attributed to landscape operations, and leave premises in neat, clean condition.

B. Protect landscape work and materials from damage due to landscape operations, operations by other contractors and trades and trespassers. Maintain protection during installation and maintenance periods. Treat, repair or replace damaged landscape work as directed.

3.06 FINAL INSPECTION OF LANDSCAPE WORK

A. When landscape work is completed, the Owner's Representative will, upon request, make an inspection to determine acceptability.

B. Where inspected landscape work does not comply with requirements, replace rejected work and continue specified maintenance until reinspected by Owner's Representative and found to be acceptable. Remove rejected plants and materials promptly from project site.

C. NOTE: Contractor is responsible for watering plants as required to maintain optimum plant health.

3.07 MAINTENANCE OF PLANTS DURING THE ONE YEAR GUARANTEE PERIOD

A. The Contractor shall be required to maintain all plantings for one year (beginning at the date of acceptance of all plantings). This one-year period shall coincide with the guarantee period.

B. During the guarantee period, the contractor shall be responsible for watering, fertilizing, weeding, cultivating, pruning, mulching, spraying, trimming, protecting from wind, staking (or restaking), resetting, replacing or other procedures necessary to sustain all the plant materials in a healthy and thriving condition. Additional waterings of plant materials shall be provided by the Landscape Contractor as required to maintain optimum plant health.

C. The Contractor, on a monthly basis during the guarantee period, shall submit to the Owner's Representative a written summary of all inspection and maintenance activities.

3.08 GUARANTEE AND REPLACEMENT OF PLANT MATERIAL

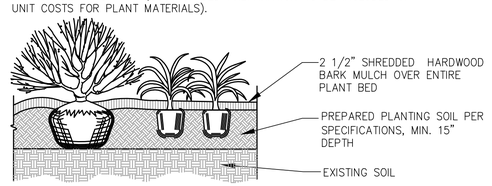
A. All plants shall be guaranteed by this Contractor for a period of one (1) year following acceptance. The Contractor shall make a minimum monthly check of the project during this one-year guarantee period and all dead plants or plants not in a vigorous, thriving condition shall be immediately replaced by this Contractor at no expense to the Owner.

B. Should replacement fall due during a non-planting season the Contractor may request the Owner's permission to defer the planting until the proper season. However, the contractor will be required to immediately remove and dispose of the dead plants, including all roots. The hole shall be backfilled properly with topsoil to finish grade until proper planting season occurs.

C. Plants used for replacements shall be of the same kind and size originally specified, and they shall be planted, mulched and guaranteed as originally specified. Only one replacement of each plant will be required except for losses of replacements due to failure to comply with specified requirements.

END OF SECTION

NOTES:
1. SET ALL PLANTS SO THAT WHEN SETTLED THEY WILL BEAR THE SAME RELATION TO THE FINISH GRADE AS THEY DID AT THE NURSERY.
2. NOTIFY LANDSCAPE ARCHITECT BEFORE PROCEEDING IF RUBBLE OR OTHER UNSUITABLE SOIL IS ENCOUNTERED DURING PLANTING OPERATIONS.
3. PREPARE PLANTING BEDS BY SPREADING A 4" LAYER OF ORGANIC MATTER OVER PLANTING AREA AND TILLING IT INTO THE EXISTING SOIL MATERIAL TO A MINIMUM DEPTH OF 15". (COST OF BED PREPARATION TO BE INCLUDED IN UNIT COSTS FOR PLANT MATERIALS).



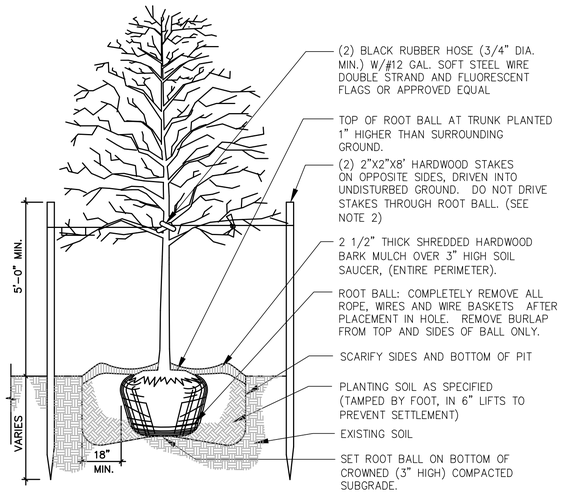
SHRUBS, PERENNIALS AND ORNAMENTAL GRASS PLANTING DETAIL

NO SCALE

NOTES:
SET ALL TREES SO THAT WHEN SETTLED THEY WILL BE SLIGHTLY ABOVE (1") THE FINISHED GRADE.

DECIDUOUS TREE STAKING SHALL BE DONE ONLY IF NECESSARY TO STABILIZE TREES AS DETERMINED BY LANDSCAPE ARCHITECT. THERE SHALL BE NO ADDITIONAL COST TO PROJECT FOR STAKING IF REQUIRED.

NOTIFY LANDSCAPE ARCHITECT BEFORE PROCEEDING IF RUBBLE OR OTHER UNSUITABLE SOIL IS ENCOUNTERED DURING PLANTING OPERATIONS.



DECIDUOUS TREE PLANTING DETAIL

NO SCALE

PRELIMINARY

engineers architects planners
your trusted advisor consultants

NO	REVISION	DATE

SCALE: NTS
DATE: 10/15/2020
DESIGNED BY: PJR
DRAWN BY: BEK
CHECKED BY: PJR

KENWOOD BAPTIST CHURCH
8341 Kenwood Rd
CINCINNATI - HAMILTON COUNTY - OHIO

LANDSCAPE PLAN

PROJECT NO: 190993
DRAWING NAME: LANDSCAPE PLAN
SHEET: L-3 OF: L-3

40 0 40 80

NORTH

EXISTING SITE DEMOLITION PLAN

SCALE: 1" = 40'

1 / A1.00

HIFIVE DESIGN GROUP
202 W Main St | 513.334.9299
Mason OH 45040 | www.hi5ive1.com

STATE OF OHIO ★ ARCHITECT ★ REGISTERED
MARK A. DAVIS 9784
MARK A. DAVIS LICENSE #9784
EXPIRATION DATE 12/31/2021

KENWOOD BAPTIST CHURCH

PHASE I - NEW ADDITION & REMODELING
KENWOOD BAPTIST CHURCH
8341 KENWOOD ROAD
CINCINNATI, OHIO 45236

ISSUE:	DATE:
PRICING SET	07-01-20
REV. PRICING SET	09-18-20
ZONING CU APPL.	10-15-20

SHEET TITLE
Existing Site Demolition Plan

SHEET NO.
A1.00

40 0 40 80

NORTH

PROPOSED SITE PLAN

SCALE: 1" = 40'

1 / A1.01

HIFIVE DESIGN GROUP
202 W Main St | 513.334.9299
Mason OH 45040 | www.hi5ive1.com

STATE OF OHIO REGISTERED ARCHITECT MARK A. DAVIS 9784

MARK A. DAVIS LICENSE #9784 EXPIRATION DATE 12/31/2021

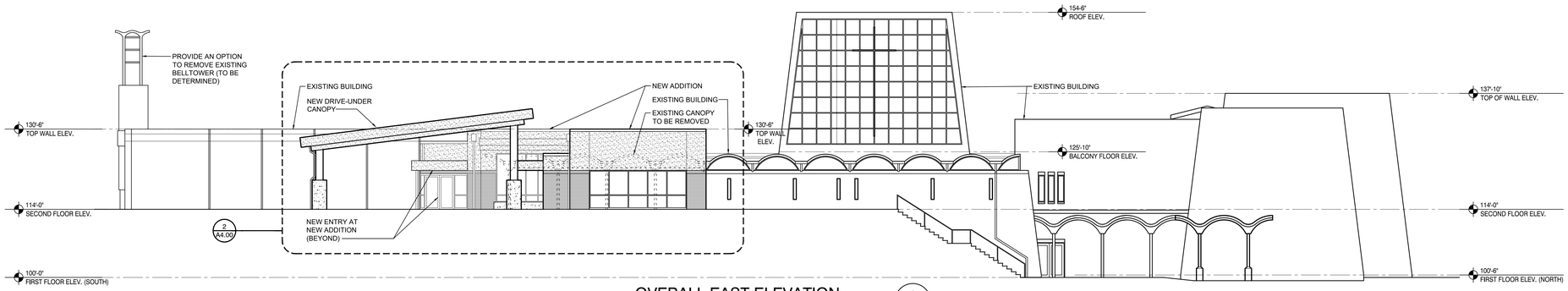
KENWOOD BAPTIST CHURCH

PHASE I - NEW ADDITION & REMODELING
KENWOOD BAPTIST CHURCH
8341 KENWOOD ROAD
CINCINNATI, OHIO 45236

ISSUE:	DATE:
PRICING SET	07-01-20
REV. PRICING SET	09-18-20
ZONING CU APPL.	10-15-20

SHEET TITLE
Architectural Site Plan

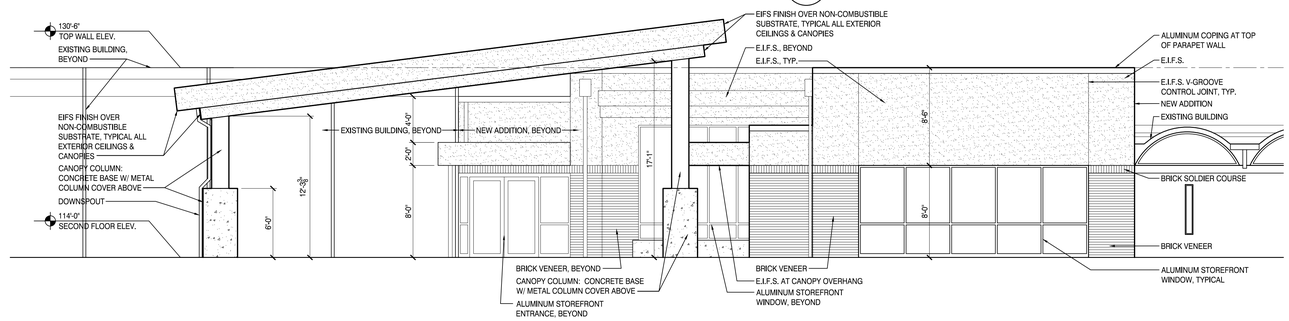
SHEET NO.
A1.01



OVERALL EAST ELEVATION

SCALE: 3/32" = 1'-0"

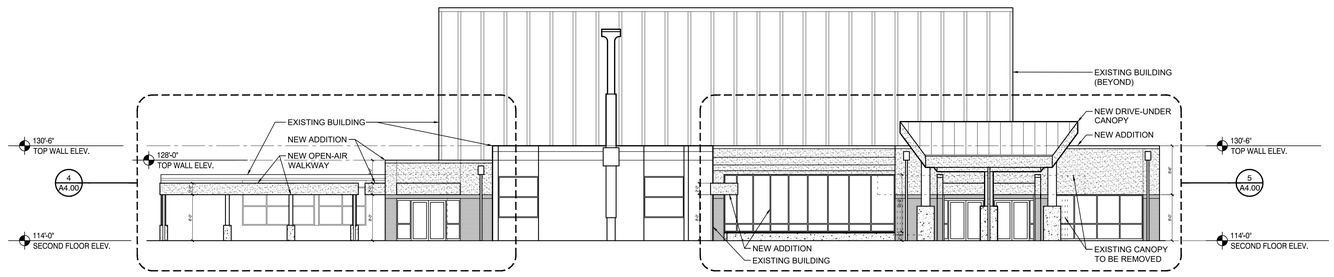
1 A4.00



ENLARGED PARTIAL EAST ELEVATION

SCALE: 3/16" = 1'-0"

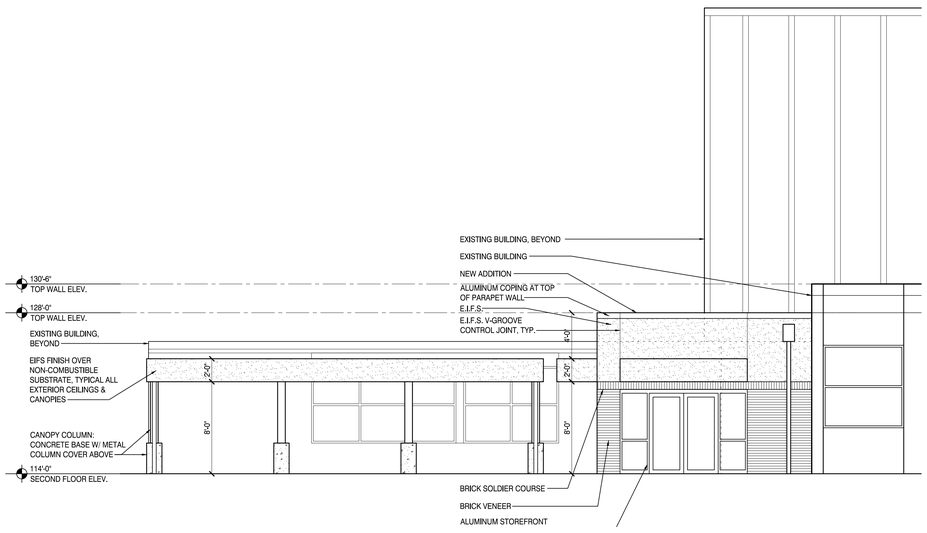
2 A4.00



OVERALL SOUTH ELEVATION

SCALE: 3/32" = 1'-0"

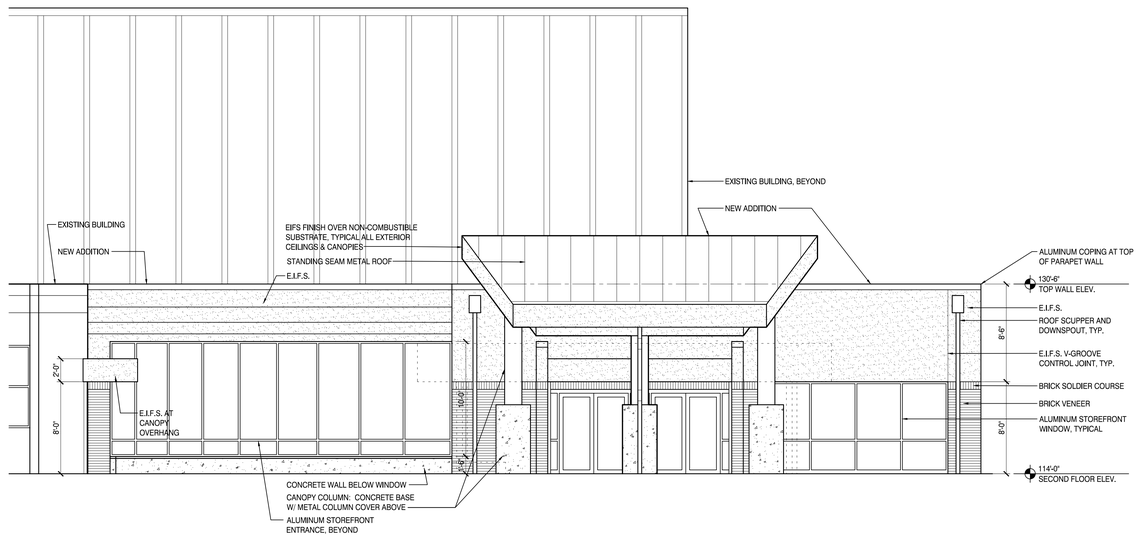
3 A4.00



ENLARGED PARTIAL SOUTH ELEVATION

SCALE: 3/16" = 1'-0"

4 A4.00



ENLARGED PARTIAL SOUTH ELEVATION

SCALE: 3/16" = 1'-0"

5 A4.00

HIFIVE DESIGN GROUP
202 W Main St | 513.334.9280
Mason OH 45040 | www.3dfive1.com

STATE OF OHIO ★ REGISTERED ARCHITECT ★
MARK A. DAVIS 9784
MARK A. DAVIS LICENSE #9784
EXPIRATION DATE 12/31/2021

KENWOOD BAPTIST CHURCH

PHASE I - NEW ADDITION & REMODELING
KENWOOD BAPTIST CHURCH
8341 KENWOOD ROAD
CINCINNATI, OHIO 45236

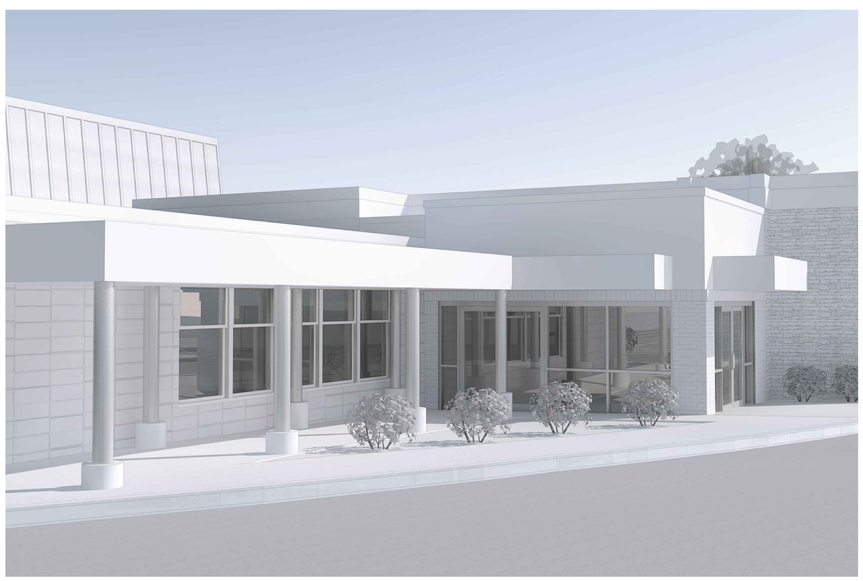
ISSUE:	DATE:
PRICING SET	07-01-20
REV. PRICING SET	09-18-20
ZONING CU APPL.	10-15-20

SHEET TITLE
Exterior Elevations

SHEET NO.
A4.00

NEW ENTRANCE & LOBBY ADDITION
NTS

1
A4.01



NEW FAMILY ENTRANCE
NTS

2
A4.01

NEW ADDITION
NTS

3
A4.01

HIFIVE DESIGN GROUP
202 W Main St | 513.336.9280
Mason OH 45040 | www.3dfive1.com

STATE OF OHIO ★ ARCHITECT ★ REGISTERED
MARK A. DAVIS 9784
MARK A. DAVIS LICENSE #9784
EXPIRATION DATE 12/31/2021

KENWOOD
BAPTIST CHURCH

PHASE I - NEW ADDITION & REMODELING
KENWOOD BAPTIST CHURCH
8341 KENWOOD ROAD
CINCINNATI, OHIO 45236

ISSUE:	DATE:
PRICING SET	07-01-20
REV. PRICING SET	09-18-20
ZONING CU APPL.	10-15-20

SHEET TITLE
Exterior Renderings

SHEET NO.
A4.01

ALED3T78

RAB Outdoor

Color: Bronze

Weight: 31.1 lbs

Project:	Type:
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.66A
208V	0.41A
240V	0.35A
277V	0.30A
Input Watts	76.80W
Efficiency	N/A

LED Info

Watts	78.00W
Color Temp	5000K (Cool)
Color Accuracy	71 CRI
L70 Lifespan	100,000
Lumens	9,263
Efficacy	120.6 LPW

Technical Specifications

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

LEDs:

Six (6) multi-chip, 13W, high-output, long-life LEDs

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Listings

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: P0000179S

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

UL Listing:

Suitable for wet locations as a downlight

Dark Sky Conformance:

Conforms to (allows for conformance to) the IDA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).

Construction

IES Classification:

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

IP Rating:

Ingress Protection rating of IP66 for dust and water

Ambient Temperature:

Suitable For use in 40°C (104°F)

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management:

Superior heat sinking with external Air-Flow fins

Effective Projected Area:

EPA = 0.75

Lens:

Tempered glass lens

Housing:

Die cast aluminum housing, lens frame and mounting arm

Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

Reflector:

Specular vacuum-metallized polycarbonate

Technical Specifications (continued)

Construction

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Electrical

Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

THD:

5.3% at 120V, 13.3% at 277V

Power Factor:

99.5% at 120V, 93.7% at 277V

Surge Protection:

4kV

Other

Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

BAA Compliance:

Click here for BAA compliance.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Equivalency:

Equivalent to 250W Metal Halide

Buy American Act Compliance:

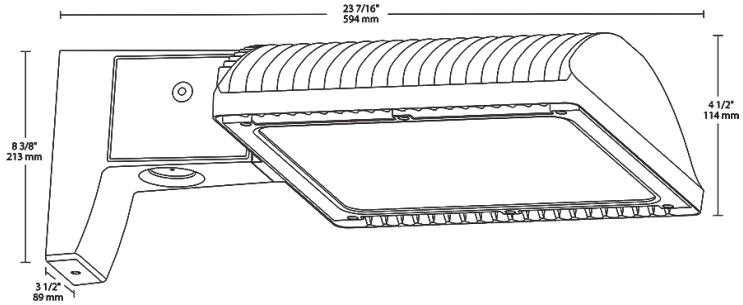
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B1 U0 G2

Dimensions



Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty

ALED3T78

RAB Outdoor

Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options
ALED	3T	78						
	4T = Type IV **3T =** Type III **2T =** Type II	**50 =** 50W **78 =** 78W **105 =** 105W **125 =** 125W **150 =** 150W	**Blank =** Pole mount **SF =** Slipfitter	**Blank =** 5000K (Cool) **N =** 4000K (Neutral) **Y =** 3000K (Warm)	**Blank =** Bronze **RG =** Roadway Gray **W =** White **K =** Black	**/D10 =** 0-10V Dimming **Blank =** 120-277V **/480 =** 480V **/BL =** Bi-Level	**Blank =** No Option **/LC =** Lightcloud® Controller **/PCS =** 120V Swivel Photocell **/PCS2 =** 277V Swivel Photocell **/PCT =** 120-277V Twistlock Photocell **/PCS4 =** 480V Swivel Photocell **/PCT4 =** 480V Twistlock Photocell **/WS2 =** Multi-Level Motion Sensor 20 ft. **/WS4 =** Multi-Level Motion Sensor 40 ft.	**Blank =** Standard **USA =** BAA Compliant

ALED2T78

RAB Outdoor

Color: Bronze

Weight: 30.2 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.66A
208V	0.41A
240V	0.35A
277V	0.30A
Input Watts	77.1W
Efficiency	N/A

LED Info

Watts	78W
Color Temp	5000K (Cool)
Color Accuracy	71 CRI
L70 Lifespan	100,000
Lumens	10,157
Efficacy	131.7 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations as a downlight

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: P0000179P

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

Dark Sky Conformance:

Conforms to (allows for conformance to) the IDA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

LEDs:

Six (6) multi-chip, 13W, high-output, long-life LEDs

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Construction

IES Classification:

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

Effective Projected Area:

EPA = 0.75

Ambient Temperature:

Suitable For use in 40°C (104°F)

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management:

Superior heat sinking with external Air-Flow fins

Lens:

Tempered glass lens

Housing:

Die cast aluminum housing, lens frame and mounting arm

IP Rating:

Ingress Protection rating of IP66 for dust and water

Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

Reflector:

Specular vacuum-metallized polycarbonate

Technical Specifications (continued)

Construction

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Electrical

THD:

5.0% at 120V, 12.3% at 277V

Surge Protection:

4kV

Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

Power Factor:

99.5% at 120V, 93.6% at 277V

Other

Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

BAA Compliance:

Click here for BAA compliance.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Equivalency:

Equivalent to 250W Metal Halide

Buy American Act Compliance:

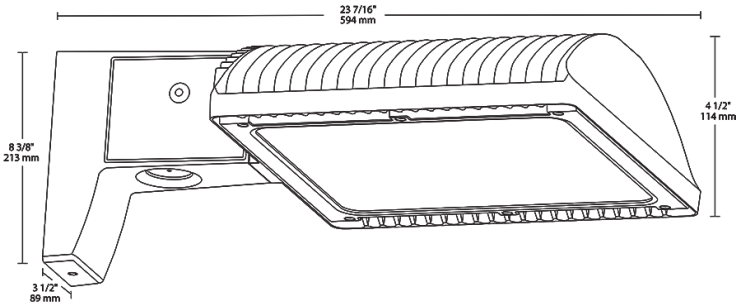
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B1 U0 G2

Dimensions



Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- 5-Year, No-Compromise Warranty

ALED2T78

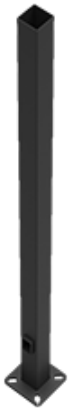
RAB Outdoor

Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options
ALED	2T	78						
	4T = Type IV **3T =** Type III **2T =** Type II	**50 =** 50W **78 =** 78W **105 =** 105W **125 =** 125W **150 =** 150W	**Blank =** Pole mount **SF =** Slipfitter	**Blank =** 5000K (Cool) **N =** 4000K (Neutral) **Y =** 3000K (Warm)	**Blank =** Bronze **RG =** Roadway Gray **W =** White **K =** Black	**/D10 =** 0-10V Dimming **Blank =** 120-277V **/480 =** 480V **/BL =** Bi-Level	**Blank =** No Option **/LC =** Lightcloud® Controller **/PCS =** 120V Swivel Photocell **/PCS2 =** 277V Swivel Photocell **/PCT =** 120-277V Twistlock Photocell **/PCS4 =** 480V Swivel Photocell **/PCT4 =** 480V Twistlock Photocell **/WS2 =** Multi-Level Motion Sensor 20 ft. **/WS4 =** Multi-Level Motion Sensor 40 ft.	**Blank =** Standard **USA =** BAA Compliant

PS4-11-20D2

RAB Outdoor



Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze

Weight: 136.7 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Listings

CSA Listed:

Suitable for wet locations

Construction

Shaft:

46,000 p.s.i. minimum yield.

Hand Holes:

Reinforced with grounding lug and removable cover

Base Plates:

Slotted base plates 36,000 p.s.i.

Shipping Protection:

All poles are shipped in individual corrugated cartons to prevent finish damage

Color:

Bronze powder coating

Height:

20 FT

Weight:

137 lbs

Gauge:

11

Wall Thickness:

1/8"

Shaft Size:

4"

Hand Hole Dimensions:

3" x 5"

Bolt Circle:

8 1/2"

Base Dimension:

8"

Anchor Bolt:

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

Anchor Bolt Templates:

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available online.

Pre-Shipped Anchor Bolts:

Bolts can be pre-shipped upon request for additional freight charge

Max EPA's/Max Weights:

70MPH 8.3 ft./240 lb.
80MPH 5.6 ft./165 lb.
90MPH 3.6 ft./110 lb.
100MPH 2.2 ft./75 lb.
110MPH 1.0 ft./45 lb.
120MPH 0.2 ft./20 lb..

Accessories:

Anchor Bolts: ABK4-11

Technical Specifications (continued)

Other

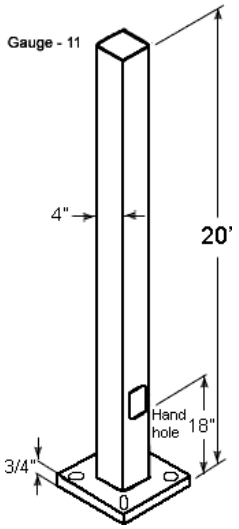
Terms of Sale:

Pole Terms of Sale is available online.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



Features

- Designed for ground mounting
- Heavy duty TGIC polyester coating
- Reinforced hand holes with grounding lug and removable cover for easy wiring access
- Anchor Bolt Kit includes pole cap and base cover (sold separately)
- Custom manufactured for each application

BDLEDR18

LED bollard with architectural quality and strength at an affordable price point. Cylindrical post with dome head. Available in 4 light pattern configurations including 360° (24W), 270°(18W), 180°(12W option) & 90°(12W standard).

Color: Bronze

Weight: 10.4 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.24A
208V	0.18A
240V	0.15A
277V	0.12A
Input Watts	17.30W

LED Info

Watts	18W
Color Temp	5100K (Cool)
Color Accuracy	74 CRI
L70 Lifespan	100,000
Lumens	1,865
Efficacy	107.8 lm/W

Technical Specifications

Listings

UL Listed:

Suitable for wet locations. Suitable for mounting within 4 ft. (1.2m) of the ground.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: PH4AXJWV

LED Characteristics

LEDs:

Long-life, high-efficiency, surface-mount LEDs

Color Consistency:

5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

Performance

Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Optical

BUG Rating:

B1 U3 G2

Construction

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The BDLED is designed for cool operation, maximum efficiency and long life by minimizing LED junction temperature.

Housing:

Die-cast aluminum with extruded aluminum post

Lens:

Frosted vandal resistant polycarbonate

Reflector:

Vacuum-metalized polycarbonate

Technical Specifications (continued)

Construction

Mounting:

Four (4) anchor bolts provided for concrete pad mounting. Internal base support has leveling screws.

Gaskets:

High-temperature silicone gaskets seal out moisture gaskets seal out moisture

Anchor Bolt:

Anchor Bolt Dimension is available here.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Other

Patents:

The design of BLED is protected by patents in US, Canada & China

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Equivalency:

Equivalent to 50W Metal Halide

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Electrical

Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 120V: 0.24A, 208V: 0.18A, 240V: 0.15A, 277V: 0.12A

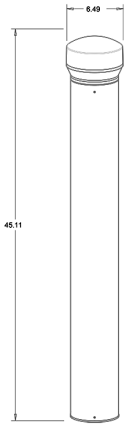
THD:

6.5% at 120V, 10.4% at 277V

Power Factor:

99.5% at 120V, 89.7% at 277V

Dimensions



Features

- Patented base mount design for super sturdy installation
- Durable construction and frosted vandal-resistant polycarbonate lens
- Precision-engineered optics deliver maximum downward lighting without glare
- Four leveling screws provided for easy installation
- 100,000-hour LED lifespan

Ordering Matrix

Family	Wattage	Color Temp	Finish		Distribution	Voltage	Dimming	Backup
BDLEDR	18			–				
	12 = 12W **18 =** 18W 270° Pattern **24 =** 24W 360° Pattern	**Blank =** 5000K (Cool) **N =** 4000K (Neutral) **Y =** 3000K (Warm)	**Blank =** Bronze **W =** White **K =** Black		**Blank =** Standard [1] **180 =** 180 degrees (12W only)	**Blank =** No Option (120-277V) **/480 =** 480V (24W only) [2]	**Blank =** None (Standard) **/D10 =** 0-10V Dimming	**Blank =** No Battery Backup **/E =** Battery Backup (24W only) [3] **/EC =** Battery Backup Cold Weather (24W only) [3]

[1] Standard Distributions: 24W = 360Â°, 18W = 270Â°, 12W = 90Â° *
[2] 480VAC available for 24W fixture versions - offered with /D10 dimming option as standard
[3] Only for 24W, 120-277VAC fixture versions

R2R8940120WB

UPC: 019813512914

Color: White

Weight: 0.4 lbs

Project:	Type:
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.115A
208V	N/A
240V	N/A
277V	N/A
Input Watts	8W

LED Info

Watts	8W
Color Temp	4000K (Neutral)
Color Accuracy	90 CRI
L70 Lifespan	50,000
Lumens	650
Efficacy	81.2 lm/W

Technical Specifications

Listings

UL Listed:

Suitable for wet locations

ENERGY STAR V2.2:

This product is ENERGY STAR® Version 2.2 Certified.

Energy Star Model Number:

DLR0085

NEC Compliant:

Suitable for use in closets. Compliant with NEC Sec. 410.16 (A)(1) and 410.16 (C)(3).

California Title 24:

Can be used to conform with the requirements of California Title 24 Part 6.

Electrical

Dimming Driver:

TRIAC compatible dimmer with dimming as low as 5%. See dimmer compatibility guide here.

Power Factor:

≥0.9

Remote Driver:

Die-cast metal driver / junction box with a hinged cover.
Listed for 12AWG and 14AWG conduit.
Includes two metal knockouts for wiring.
Quick connectors included.
Plenum rated cable connector to connect from module to remote driver box.

PF:

≥0.9

Input Voltage:

120V

Operating Frequency (Hz):

60Hz

Performance

Lifespan:

50,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Construction

IC Rated:

Suitable for direct contact with insulation.
Type IC inherently protected, suitable for direct contact to air permeable insulation and cULus listed for damp locations.
Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013.

Air Tight:

Housing certified Air Tight as per ASTM E283

Technical Specifications (continued)

Construction

Housing:

Precision die-cast aluminum

Trim Style:

Baffle Trim

Cold Weather Starting:

The minimum starting temperature is -30°C (-22°F)

Maximum Ambient Temperature:

Suitable for use in up to 35°C (95°F)

Green Technology:

Mercury and UV free. RoHS-compliant components.

Mounting:

Robust retention clips spring loaded tabs ensure the fixture is securely installed. Can be installed in 1/4" to 1 1/2" thick ceilings.

Lens:

Diffuse Polystyrene lens produces smooth uniform light that is glare free

Finish:

Matte White

Optical

Beam Angle:

38° narrow beam spread for accent lighting

LED Characteristics

LEDs:

Long-life, high-efficacy, surface-mount LEDs

Wattage Equivalency:

60W Incandescent

R9 Value:

High color performance with R9 greater than or equal to 50

Flicker:

Silent and flicker free operations of less than 30%

Other

Template:

Template included for easy ceiling cut out

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

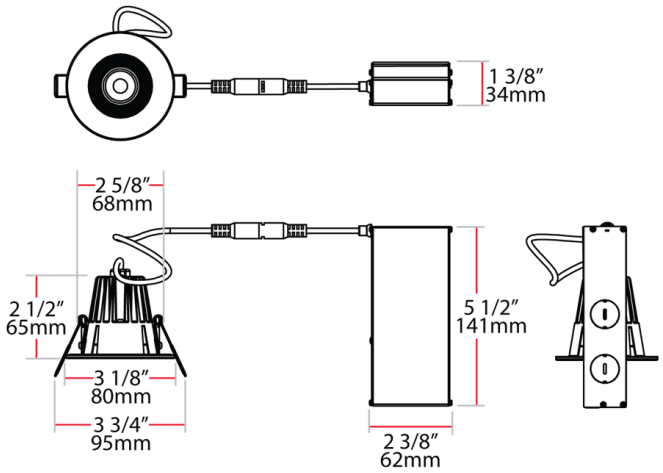
Minimum Compartment Size

Length x Width x Height [in]	Lamp Quantity
47.8 x 23.8 x 3.0	4

Case and Pallet Dimensions

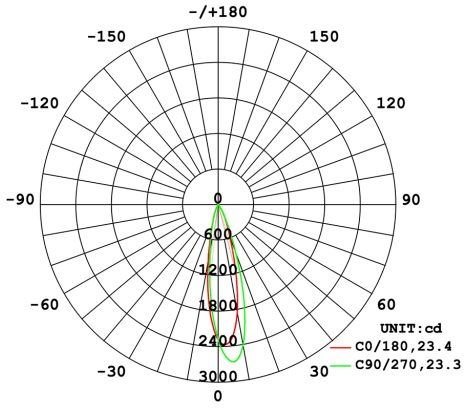
	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	6	10.63	9.84	5.71
PALLET	768	4.72	3.35	46.85

Dimension



R2R8940120WB

Light Distribution



Features

- Deep regressed lens
- No recessed housing or J-box required
- New construction or retrofit applications
- UL wet location rated
- Spring loaded retention clips
- Robust, die cast aluminum construction
- IC and airtight rated
- 5-Year, No-Compromise Warranty

Ordering Matrix

Family	Size	Shape	Wattage	CRI/Color Temp	Voltage	Finish	Trim
R	2	R	8	940	120	W	B
	2 = 2"	**R =** Round	**8 =** 8W	**940 =** 90 CRI, 4000K (Neutral) **930 =** 90 CRI, 3000K (Warm) **927 =** 90 CRI, 2700K (Residential Warm)	**120 =** 120V	**W =** White	**B =** Baffle