

U-HAUL OF HALLS
6945 MAYNARDVILLE PIKE
KNOXVILLE, TN 37918
PREPARED FOR:
AMERCO REAL ESTATE COMANY
FEBRUARY 2023

LIST OF DRAWINGS

- C000 COVER SHEET
C100 EXISTING CONDITIONS PLAN
C200 SITE LAYOUT PLAN
C201 SITE CIRCULATION PLAN
C300 SITE GRADING PLAN
C400 SITE DRAINAGE PLAN
C700 LANDSCAPE PLAN



VICINITY MAP

IMAGE TAKEN FROM GOOGLE MAPS
N.T.S.

UTILITY COMPANIES

WATER SERVICE

HALLSDALE-POWELL UTILITY DISTRICT
3745 CUNNINGHAM ROAD
KNOXVILLE, TN 37918
865-922-7547

ELECTRIC SERVICE

KNOXVILLE UTILITIES BOARD
445 S GAY ST, STE 500
KNOXVILLE, TN 37902
865-558-2555

SANITARY SEWER

HALLSDALE-POWELL UTILITY DISTRICT
3745 CUNNINGHAM ROAD
KNOXVILLE, TN 37918
865-922-7547

PROPERTY OWNER

AMERCO REAL ESTATE CO
2727 NORTH CENTRAL AVE.
PHOENIX, ARIZONA 85004
PH: 602-263-6502
CONTACT: LORA LAKOV

SITE DATA

PARCEL ID: 038KD01 101
CIVIL DISTRICT: E6
CLT MAP: 38TOTAL ACREAGE: 5.06 ACRES
PROPERTY ADDRESS: 6945 MAYNARDVILLE PIKE, KNOXVILLE, TN
37918

CIVIL ENGINEER

CIVIL & ENVIRONMENTAL CONSULTANTS
2704 CHEROKEE FARM WAY, STE. 101
KNOXVILLE, TN 37920
PH: 865-977-9997
CONTACT: JOHN GREER, PE

4-B-23-UR
Revised: 3/30/2023

PRELIMINARY
NOT FOR CONSTRUCTION



COVER SHEET

DATE:	FEBRUARY 2023	DRAWN BY:	AYW
DWG SCALE:	SEE PLANS	CHECKED BY:	JMG
PROJECT NO:	331-064	APPROVED BY:	GHP

DRAWING NO.:
C000
SHEET OF

U-HAUL CO. OF KNOXVILLE
U-HAUL OF HALLS
FILE NUMBER # 4-B-23-UR
6945 MAYNARDVILLE PIKE
KNOXVILLE, TN.

C&E
Civil & Environmental Consultants, Inc.
2704 Cherokee Farm Way - Suite 101 - Knoxville, TN 37920
Ph: 865.977.9997 - Fax: 865.977.9919
www.cechnc.com

REVISION RECORD

NO. DATE DESCRIPTION
1 3/30/23 PLANNING COMMENTS



P: \330-000\331-064\ -CAD0\ Dwg\ 331064-CV01-C100.dwg\ C100} LS:(3/30/2023 - tbarrett) - LP: 3/30/2023 11:49 AM

	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING INDEX (MAJOR) CONTOUR
	EXISTING INTERMEDIATE (MINOR) CONTOUR
	EXISTING DRAINAGE DITCH
	EXISTING FENCE LINE
	EXISTING ROADWAY CENTERLINE
	EXISTING CURB
	EXISTING EDGE OF PAVEMENT
	EXISTING ASPHALT PAVEMENT
	EXISTING STRUCTURE
	EXISTING STORM PIPE
	EXISTING WATER LINE
	EXISTING SANITARY SEWER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD WIRE
	EXISTING ELECTRIC LINE
	EXISTING UNDERGROUND ELECTRIC LINE

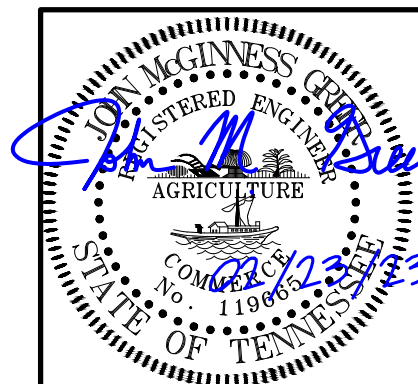
1. SEE SHEET C001 FOR GENERAL NOTES.
2. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.
3. ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.

1. COORDINATE REFERENCE: TENNESSEE STATE PLANE NAD 83.
2. TOPOGRAPHIC SURVEY WAS PREPARED BY U.S. SURVEYOR DATED JANUARY 4TH, 2023.
2. THE PROPERTY DESCRIBED ON THIS SURVEY IS WITHIN ZONE X OF THE FLOOD INSURANCE RATE MAP IDENTIFIED IN COMMUNITY PANEL NO. 47093C0133G BEARING AN EFFECTIVE DATE OF AUGUST 5, 2013.

MAYNARDVILLE FINE
(VARIABLE WIDTH PUBLIC RIGHT-OF-WAY)
(MULTI-LANE HIGHWAY WITH GRASS MEDIAN)

4-B-23-UR
Revised: 3/30/2023

PRELIMINARY
NOT FOR CONSTRUCTION

[illegible]

Civil & Environmental Consultants, Inc.
2704 Cherokee Farm Way · Suite 101 · Knoxville, TN 37920
Ph: 865.977.9997 · Fax: 865.977.9919

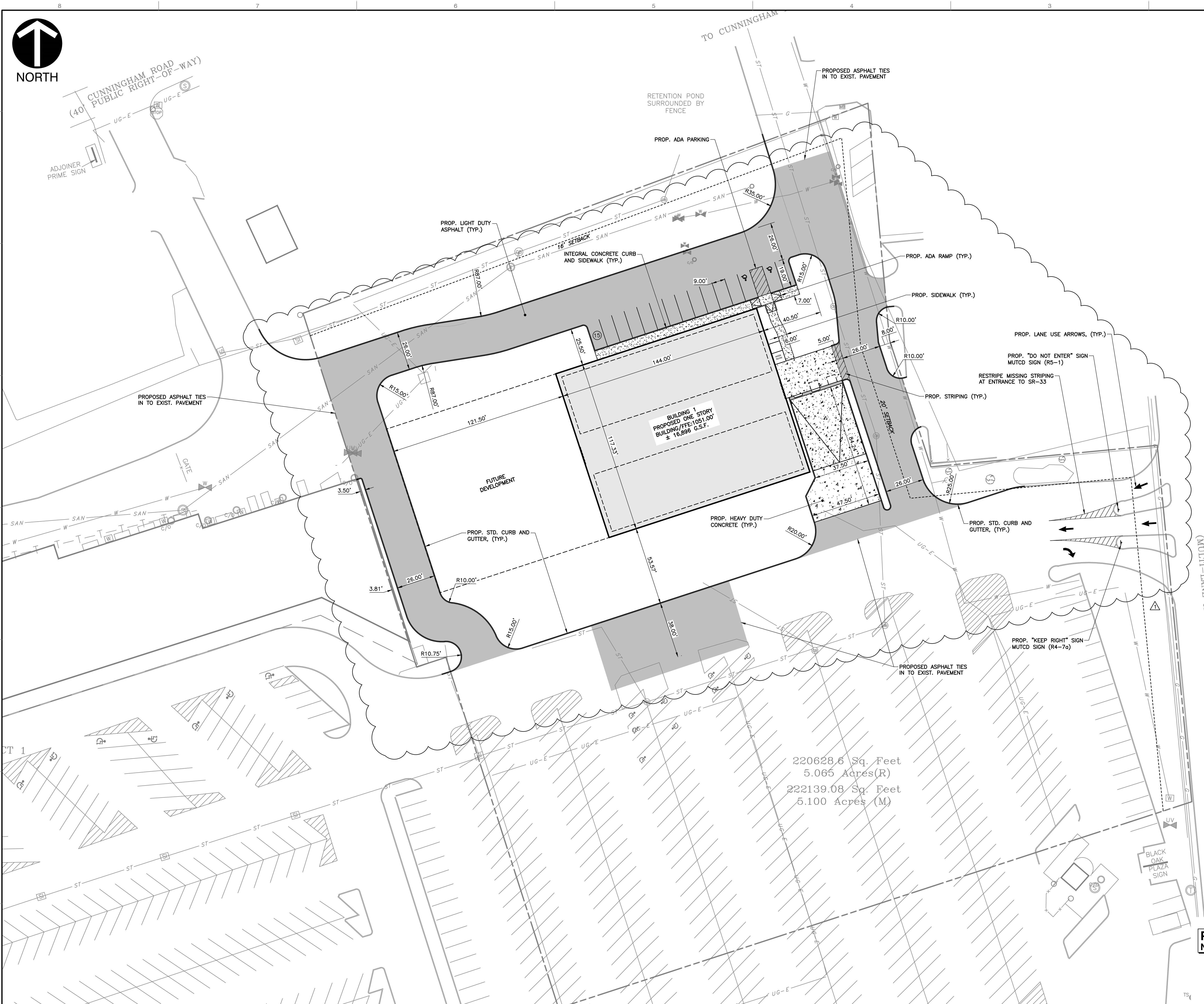
U-HAUL CO. OF KNOXVILLE
U-HAUL OF HALLS
FILE NUMBER # 4-B-23-JR
6945 MAYNARDVILLE PIKE
KNOXVILLE, TN.

EXISTING CONDITIONS PLAN

DATE:	FEBRUARY 2023	DRAWN BY:	ATWG
DWG SCALE:	SEE PLANS	CHECKED BY:	JMG
PROJECT NO:	331-064		
APPROVED BY:			GHP

DRAWING NO.:
C100
SHEET OF

A:\30-0001\331-0641-C200\Draw\331064-C01-C200.dwg[C200] LS(3/30/2023 - borrett) - LP: 3/30/2023 11:39 AM



LEGEND

---	EXISTING PROPERTY LINE
---	EXISTING EASEMENT
---	EXISTING RIGHT-OF-WAY
-x-x-x-	EXISTING FENCE LINE
---	EXISTING ROADWAY CENTERLINE
---	EXISTING CURB
---	EXISTING EDGE OF PAVEMENT
---	EXISTING ASPHALT PAVEMENT
---	EXISTING STRUCTURE
ST	EXISTING STORM PIPE
W	EXISTING WATER LINE
SAN	EXISTING SANITARY SEWER LINE
G	EXISTING GAS LINE
E	EXISTING OVERHEAD WIRE
UG-E	EXISTING ELECTRIC LINE
UG-E	EXISTING UNDERGROUND ELECTRIC LINE
---	PROPOSED CURB
---	PROPOSED EDGE OF PAVED DRIVE
---	PROPOSED CONCRETE
---	PROPOSED STRIPING
---	PROPOSED SIDEWALK
---	PROPOSED BUILDING
---	PROPOSED ASPHALT

NOTES

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SURVEY NOTES

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PRELIMINARY
NOT FOR CONSTRUCTION

SCALE IN FEET
0 30 60

4-B-23-UR
Revised: 3/30/2023

SITE LAYOUT PLAN

C200

U-HAUL CO. OF KNOXVILLE
U-HAUL OF HALLS
FILE NUMBER # 4-B-23-UR
6945 MAYNARDVILLE PIKE
KNOXVILLE, TN.

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Ph: 865.977.9997 · Fax: 865.977.9919
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REVISION RECORD

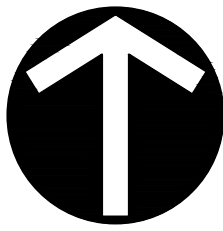
NO.	DATE	DESCRIPTION	PLANNING COMMENTS
1	3/30/23		

DATE: FEBRUARY 2023 **DRAWN BY:** JMG
DATE: FEBRUARY 2023 **CHECKED BY:** JMG
DATE: FEBRUARY 2023 **APPROVED BY:** JMG

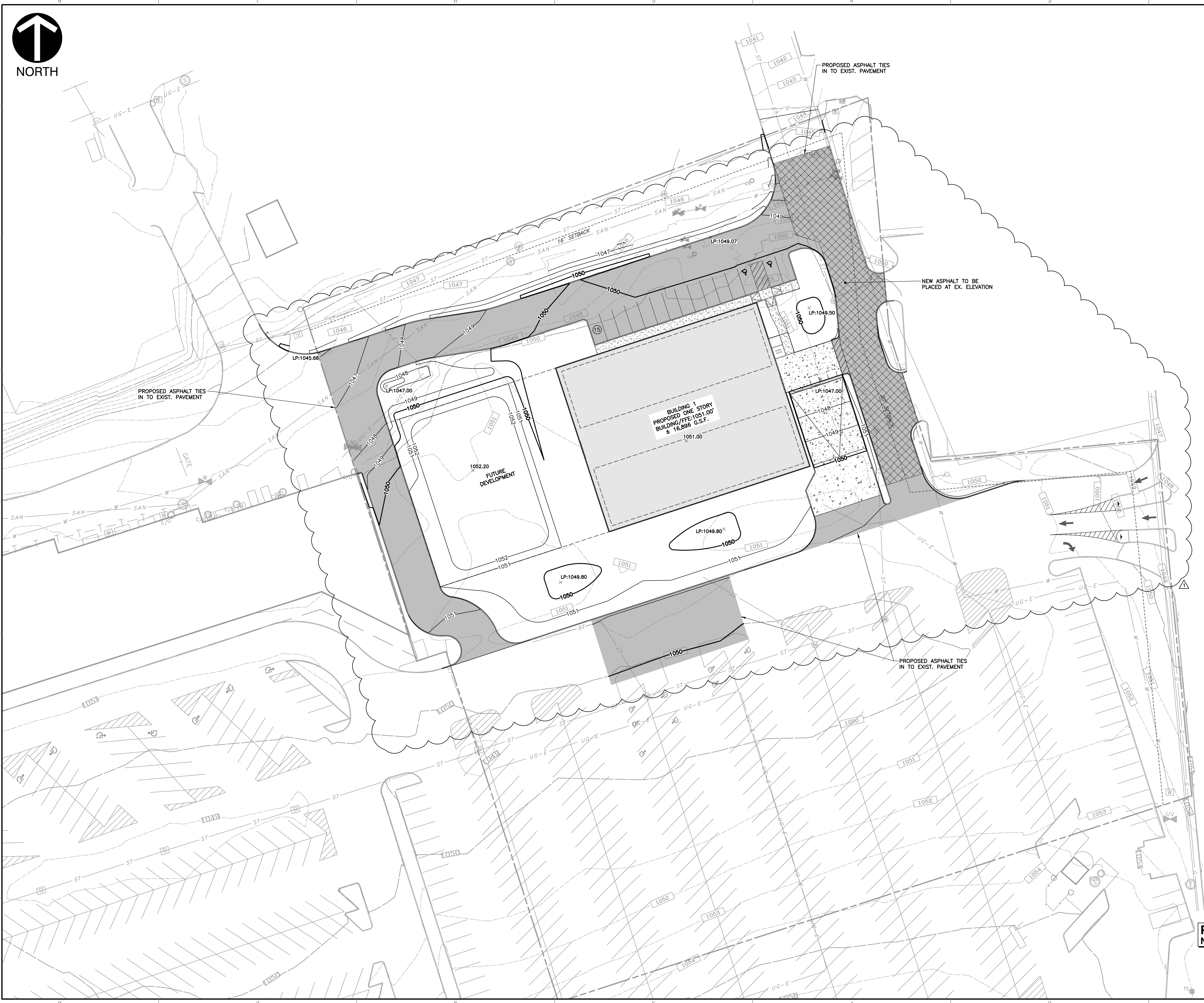
STATE OF TENNESSEE
REGISTERED PROFESSIONAL ENGINEER
AGRICULTURE
No. 11966
J. M. GORDON

BLACK OAK PLAZA SIGN

A:\300-0001\331-0641-C300\Draw\331064-C01-C300.dwg[C300] LS(3/30/2023 11:46 AM - LP: 3/30/2023 11:46 AM



NORTH



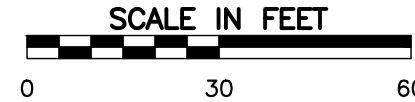
LEGEND	
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING INDEX (MAJOR) CONTOUR
	EXISTING INTERMEDIATE (MINOR) CONTOUR
	EXISTING DRAINAGE DITCH
	EXISTING FENCE LINE
	EXISTING ROADWAY CENTERLINE
	EXISTING CURB
	EXISTING EDGE OF PAVEMENT
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	PROPOSED CURB
	PROPOSED EDGE OF PAVED DRIVE
	PROPOSED CONCRETE
	PROPOSED STRIPING
	PROPOSED SIDEWALK
	PROPOSED BUILDING
	PROPOSED INDEX (MAJOR) CONTOUR
	PROPOSED INTERMEDIATE (MINOR) CONTOUR

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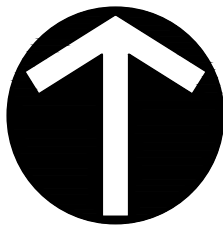
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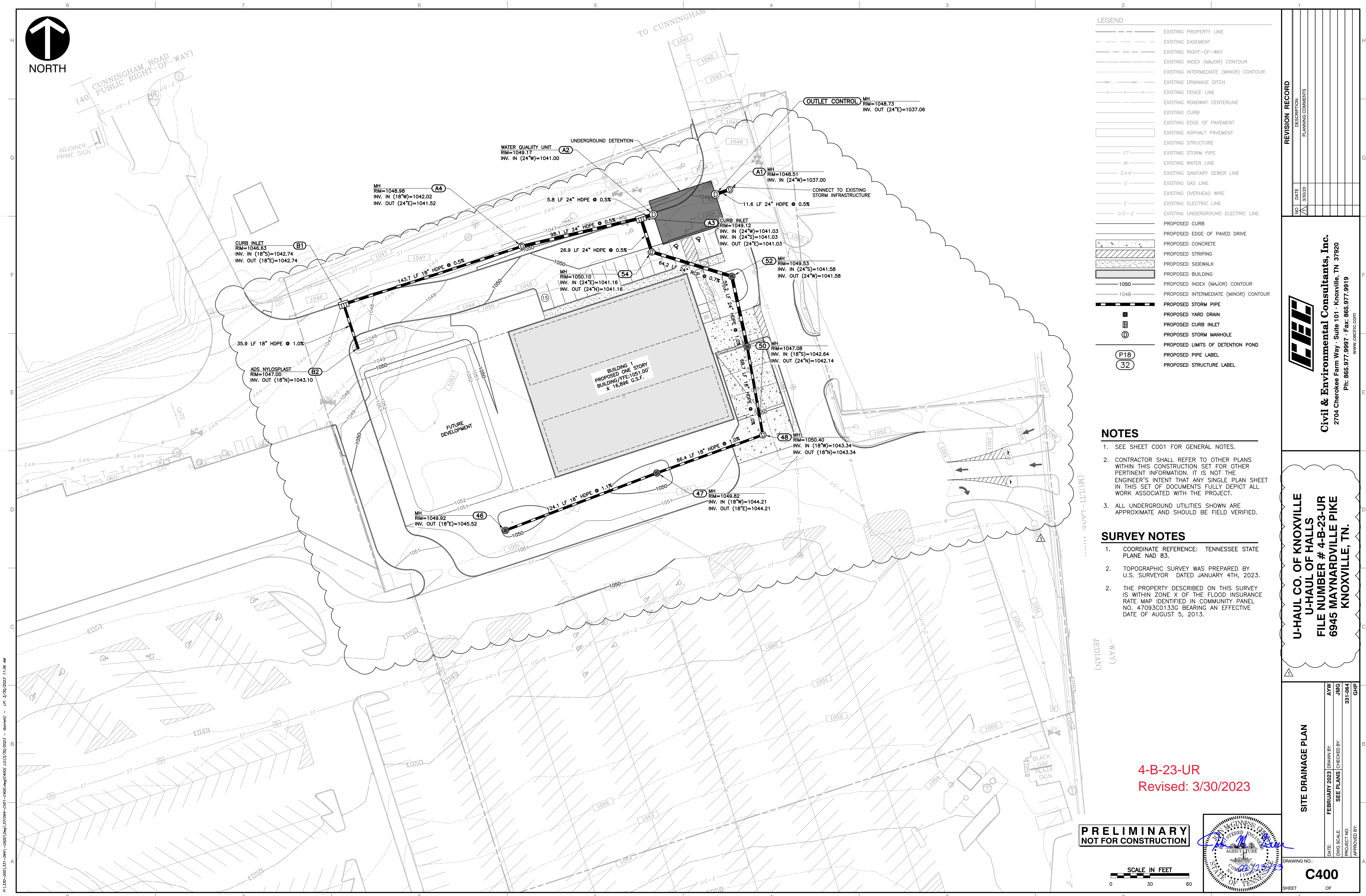
PRELIMINARY
NOT FOR CONSTRUCTION



REVISION RECORD	
NO.	DESCRIPTION
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NORTH



LEGEND	
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING INDEX (MAJOR) CONTOUR
	EXISTING INTERMEDIATE (MINOR) CONTOUR
	EXISTING DRAINAGE DITCH
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	PROPOSED CURB
	PROPOSED EDGE OF PAVED DRIVE
	PROPOSED CONCRETE
	PROPOSED STRIPING
	PROPOSED SIDEWALK
	PROPOSED BUILDING
	PROPOSED INDEX (MAJOR) CONTOUR
	PROPOSED INTERMEDIATE (MINOR) CONTOUR
	PROPOSED STORM PIPE
	PROPOSED YARD DRAIN
	PROPOSED CURB INLET
	PROPOSED STORM MANHOLE
	PROPOSED LIMITS OF DETENTION POND
	PROPOSED PIPE LABEL
	PROPOSED STRUCTURE LABEL

- ### NOTES
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(MULTI-LANE, 11'-0" MEDIAN)
-WAY
-WAY

SCALE IN FEET
0 30 60

PRELIMINARY
NOT FOR CONSTRUCTION

4-B-23-UR
Revised: 3/30/2023

C400

REVISION RECORD	
NO.	DESCRIPTION
1	PLANNING COMMENTS
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U-HAUL CO. OF KNOXVILLE
U-HAUL OF HALLS
FILE NUMBER # 4-B-23-UR
6945 MAYNARDVILLE PIKE
KNOXVILLE, TN.

SITE DRAINAGE PLAN

DATE: FEBRUARY 2023
DRAWN BY: JMG
PROJECT NO: 331-064
APPROVED BY: GHP

DRAWING NO: **C400**

SHEET 1 OF 1

- THE QUANTITIES INDICATED ON THE PLANT MATERIALS SCHEDULE ARE PROVIDED FOR THE BENEFIT OF THE LANDSCAPE CONTRACTOR BUT SHOULD NOT BE ASSUMED TO BE CORRECT. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE QUANTITIES INDICATED. ANY DISCREPANCIES NOTED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE PRIOR TO INSTALLATION. IN THE EVENT OF A DISCREPANCY, THE DRAWINGS SHALL GOVERN.
- NO SUBSTITUTIONS AS TO SIZE, TYPE, SPACING, QUANTITY OR QUALITY OF PLANT MATERIAL SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. CHANGES IN PLANT MATERIAL, INCLUDING RE-EVALUATION BY LOCAL AUTHORITIES. CONTRACTOR IS NOT TO SEEK RE-APPROVAL WITHOUT EXPRESS WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.
- ALL PLANTS MUST BE NURSERY GROWN, HEALTHY, VIGOROUS, AND FREE FROM ALL PESTS AND DISEASE, BALL AND BURLAP (B&B) OR CONTAINER GROWN AS SPECIFIED IN THE MATERIALS SCHEDULE. ALL PLANT SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z-60, LATEST EDITION FOR SIZE AND QUALITY.
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED, WITH A SINGLE DOMINANT LEADER, AND MEET THE MINIMUM REQUIREMENTS. TREES WITH A "Y" SHAPE ARE NOT ACCEPTABLE.
- PLANTS AND TREES ARE SUBJECT TO REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND OR OWNERS REPRESENTATIVE AT ANY TIME PRIOR TO FINAL ACCEPTANCE.
- THE DIMENSIONS FOR HEIGHT, SPREAD, AND CALIPER AS SPECIFIED IN THE PLANT MATERIALS SCHEDULE ARE THE MINIMUM DESIRED FOR EACH PLANT. EACH PLANT SHALL BE UNIFORM AND CONSISTENT AS IT PERTAINS TO THE SPECIFICATIONS AND THE INDIVIDUAL SPECIES. ANY PLANT MATERIAL WHICH FAILS THE SPECIFICATIONS WILL BE REJECTED. THE CONTRACTOR SHALL PROVIDE ACCEPTABLE MATERIAL AT NO ADDITIONAL COST TO THE OWNER. CALIPER SIZE IS NOT TO BE REDUCED. TREES THAT FAIL MINIMUM CALIPER SIZE AS MEASURED IN THE FIELD WILL BE REJECTED AND REPLACEMENTS SHALL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL COST. CALIPER MEASUREMENTS SHALL BE MADE IN ACCORDANCE WITH ANSI STANDARDS.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND SHALL AVOID DAMAGING UTILITIES DURING INSTALLATION. ANY UTILITIES DAMAGED DURING INSTALLATION SHALL BE REPAIRED BY THE LANDSCAPE CONTRACTOR TO THE SATISFACTION OF THE APPROPRIATE UTILITY COMPANY. ALL REPAIRS SHALL BE AT NO COST TO THE OWNER. NO TREES SHALL BE PLANTED WITHIN 10' OF SITE UTILITY LINES OR EASEMENTS. FIELD ADJUST AS NECESSARY AFTER LANDSCAPE ARCHITECT'S APPROVAL.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO INSTALLATION. THE LANDSCAPE ARCHITECT SHALL APPROVE ALL STAKED LOCATIONS PRIOR TO INSTALLATION. PLANTS INSTALLED PRIOR TO APPROVAL BY THE LANDSCAPE ARCHITECT ARE SUBJECT TO REJECTION AND/ OR REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER.
- PRE-EMERGENT HERBICIDES SHALL BE APPLIED TO ALL PLANTING BEDS. APPLY AT MANUFACTURERS RECOMMENDATIONS. HERBICIDES SHALL BE INCORPORATED INTO THE SOIL MIXES.
- APPLY ROOT STIMULATOR, CONTAINING MICORRHIZAZA, TO ALL PLANTS PRIOR TO BACK FILLING. APPLY AT MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUBMIT SAMPLES OF ROOT STIMULATOR TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO USE.
- ALL DISTURBED AREAS NOT RECOVERED BY OTHER SPECIFICATIONS OR IMPROVEMENTS ARE TO BE FINE GRADED TO TRANSITION SMOOTHLY INTO ADJACENT GRADES AND RECEIVE FESCUE SOD. SEE FESCUE SOD NOTES BELOW.
- THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANTINGS FOR A PERIOD OF ONE (1) YEAR BEGINNING UPON THE WRITTEN DATE OF SUBSTITUTION AND COMPLETION OF ALL PLANTING. ALL PLANTS MUST BE ALIVE AND HEALTHY FOR REVIEW AND APPROVAL BY LOCAL AUTHORITIES AS DETERMINED BY THE OWNERS REPRESENTATIVE. ALL PLANTS MUST BE ALIVE AND HEALTHY FOR REVIEW AND APPROVAL BY LOCAL AUTHORITIES AS APPROPRIATE FOR OCCUPANCY PERMIT.
- THE LANDSCAPE CONTRACTOR SHALL TOPSOIL ON-SITE TOPSOIL AS AVAILABLE FROM THE CONTRACTOR. ALL IMPORTED TOPSOIL SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO PLACEMENT.
- EXISTING GRASS TO BE REMOVED, IF PRESENT, AND TOPSOIL TO BE SPREAD SMOOTH AND HAND-RAKED TO REMOVE ALL ROCKS AND DEBRIS LARGER THAN 1 INCH IN DIAMETER PRIOR TO LAYING SOD OR BE MULCHED WITH A MINIMUM OF 3 INCHES OF AGED, FINE BARK MULCH. SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL. ALL PLANTING AREAS MUST BE COMPLETED WITHIN 14 DAYS OF MULCHING.
- THE ENTIRE PLANTING SOIL BACKFILL MIX FOR BEDS AND PLANT BACKFILL SHALL CONSIST OF THE FOLLOWING:
 - 2/3 SITE SOIL
 - 1/3 TOPSOIL AMENDMENTS (BY VOLUME AS FOLLOWS)
 - 2 PARTS HUMUS AND OR PEAT
 - 1 PART COARSE RIVER SAND
 - 1 PART STERILIZED COMPOSTED COW MANURE
 - COMMERCIAL FERTILIZER AND LIME AS RECOMMENDED BY THE SOILS TEST REPORT.
 - COMPLETELY BLENDED BACKFILL SOIL MIX PRIOR TO PLACEMENT.
- MULCH SHALL BE BROWN HARDWOOD MULCH WITH NO WEED OR OTHER UNPROCESSED ORGANICS.
- IT IS THE POLICY OF THE LANDSCAPE ARCHITECT IN WRITING REQUESTING ALL INSPECTIONS.
- SITE AND LANDSCAPE MAINTENANCE: DURING CONSTRUCTION, THE CONTRACTOR AND THEIR SUBCONTRACTORS WILL BE RESPONSIBLE FOR KEEPING THE SITE NEAT AND ORDERLY DURING CONSTRUCTION. TRASH SHOULD BE DISPOSED OF IN APPROPRIATE CONTAINERS ON SITE AND DISPOSED OF AT THEIR COST. NO CONSTRUCTION DEBRIS SHOULD BE ALLOWED TO COLLECT ON OR OFF SITE. ROADWAYS SHOULD BE CLEANED OF GRAVEL AND DEBRIS ON A DAILY BASIS, IF NECESSARY. MAINTAIN LAWNS AS NEEDED, INCLUDING MOWING AND RESEEDING, UNTIL ACCEPTED BY THE LANDSCAPE ARCHITECT.

1. THIS WORK SHALL INCLUDE ALL SOIL PREPARATION AND THE STORAGE, TRANSPORTATION, PLACING, AND MAINTENANCE OF SOD AT ALL LOCATIONS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.

2. TEMPORARY STORAGE OF SOD IS PERMITTED; HOWEVER, TAKE CARE TO MAINTAIN THE SOD IN A LIVE, GROWING CONDITION. SOD SHALL BE REJECTED IF IT IS PERMITTED TO DECAY OR DRY OUT TO THE EXTENT THAT, IN THE JUDGMENT OF THE LANDSCAPE ARCHITECT, ITS SURVIVAL IS DOUBTFUL. DISPOSAL OF REJECTED SOD AS DIRECTED BY THE LANDSCAPE ARCHITECT AT NO EXPENSE TO THE OWNER.

3. SET SOD BETWEEN MARCH 1 AND OCTOBER 15 AND WHEN THE SOIL IS IN A WORKABLE CONDITION.

4. DO NOT SET SOD OUT OF SEASON UNLESS SOIL CONDITIONS ARE FAVORABLE AND WRITTEN PERMISSION IS OBTAINED FROM THE LANDSCAPE ARCHITECT.

5. CONTRACTOR SHALL COORDINATE INSTALLATION OF SOD WITH COMPLETION OF IRRIGATION SYSTEM. THIS WILL INSURE WATERING OF NEW MATERIAL.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SCHEDULING, ORDERING, RECEIVING, STORING, AND INSTALLING OF ALL SODDING MATERIALS.

7. THE CONTRACTOR SHALL ENSURE NEWLY SODDED AREAS ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC. AREAS THAT ARE SUBJECT TO CONSTRUCTION TRAFFIC SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

PART 2. PRODUCTS

1. SOD: DROUGH TOLERANT FESCUE BLEND SOD; NEW SOD CONSISTING OF LIVE, DENSE, WELL ROOTED GRASS; WELL SUITED FOR THE INTENDED PURPOSE AND SOIL CONDITIONS; COMPLETELY FREE OF NOXIOUS WEEDS AND GRASSES (QUACK GRASS, JOHNSON GRASS, CANADA THISTLE); AND CONTAINING LESS THAN 5 PLANTS OF OBJECTIONABLE WEEDS PER 100 SQUARE FEET IF NURSERY GROWN OR 10 SUCH PLANTS IF FIELD GROWN

2. FERTILIZER: A COMMERCIAL MANUFACTURED GRADE 10-10-10; FURNISHED IN STANDARD CONTAINERS AND INSTANTLY MARKED WITH THE NAME, WEIGHT, AND GUARANTEED ANALYSIS OF THE CONTENTS AND THAT ENSURE PROPER PROTECTION IN TRANSPORTATION AND HANDLING; AND IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL FERTILIZER LAWS

3. AGRICULTURAL LIME: AGRICULTURAL LIME CONTAINING A MINIMUM OF 85 PERCENT CALCIUM CARBONATE AND MAGNESIUM CARBONATE COMBINED, 85 PERCENT OF WHICH PASSES A NO. 10 MESH SIEVE.

PART 3. EXECUTION

1. BEFORE BEGINNING SODDING OPERATIONS IN ANY AREA, COMPLETE THE PLACING OF TOPSOIL, FINAL GRADING, AND REMOVAL OF ANY DEBRIS. HAVE THE WORK APPROVED BY THE LANDSCAPE ARCHITECT.

2. A MINIMUM OF 4 INCHES OF GOOD, CLEAN TOPSOIL SHALL BE SPREAD OVER THE CONSTRUCTION AREA.

3. SCARIFY EACH AREA TO BE SODDED A MINIMUM OF 2 INCHES.

4. APPLY FERTILIZER AND AGRICULTURAL LIMESTONE UNIFORMLY OVER THE SOD BED AT THE RATES SHOWN BELOW. IMMEDIATELY PRIOR TO PLACING SOD, WATER THE SOD BED UNTIL IT IS SATURATED TO A DEPTH OF 1 INCH, AND KEEP IT MOIST UNTIL THE SOD IS PLACED.

A. FERTILIZER: 15 POUNDS PER 1,000 SQUARE FEET OF 10-10-10

B. AGRICULTURAL LIMESTONE: 40 POUNDS PER 1,000 SQUARE FEET

5. PLACE AS MANY SODS AS PRACTICABLE AFTER REMOVAL FROM POINT OF ORIGIN. KEEP IT MOIST WHILE THE SOD IS PLACED.

6. PLACE SOD BY HAND SO THAT THE EDGES ARE IN CLOSE CONTACT AND IN A POSITION TO BREAK JOINTS WITH THE LONG DIRECTION PERPENDICULAR TO THE SLOPE. FIT AND POUND THE SOD INTO PLACE WITH A 10 INCHES X 10 INCHES WOOD TAMP OR OTHER SIMILAR IMPLEMENTS.

7. IMMEDIATELY AFTER SOD, THOROUGHLY WET AND WATER IT.

8. TWO WEEKS AFTER THE SOD IS INSTALLED, TOP DRESS AND THOROUGHLY WATER IT. TOP DRESSING SHALL CONSIST OF THE FOLLOWING:

A. 1/2 TO 1 POUND; 38 PERCENT UREA FORMALDEHYDE PER 1,000 SQUARE FEET

B. 12-18 POUNDS; 6-12-12 PER 1,000 SQUARE FEET

9. NO EQUIPMENT MATERIAL STORAGE, CONSTRUCTION TRAFFIC, ETC., WILL BE PERMITTED ON NEWLY SODDED AREAS.

10. DISPOSAL OF ALL SURPLUS MATERIAL AS DIRECTED BY THE OWNER

11. THE OWNER AND LANDSCAPE ARCHITECT WILL REVIEW THE SOD FOR ACCEPTANCE 30 DAYS AFTER INSTALLATION, AT WHICH TIME THE MAINTENANCE PERIOD WILL BEGIN.

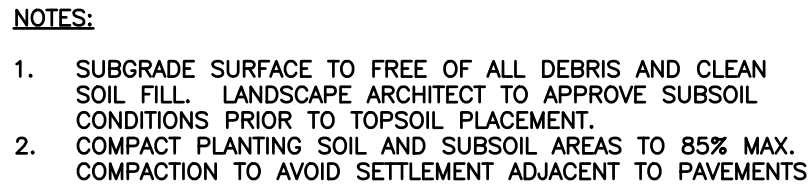
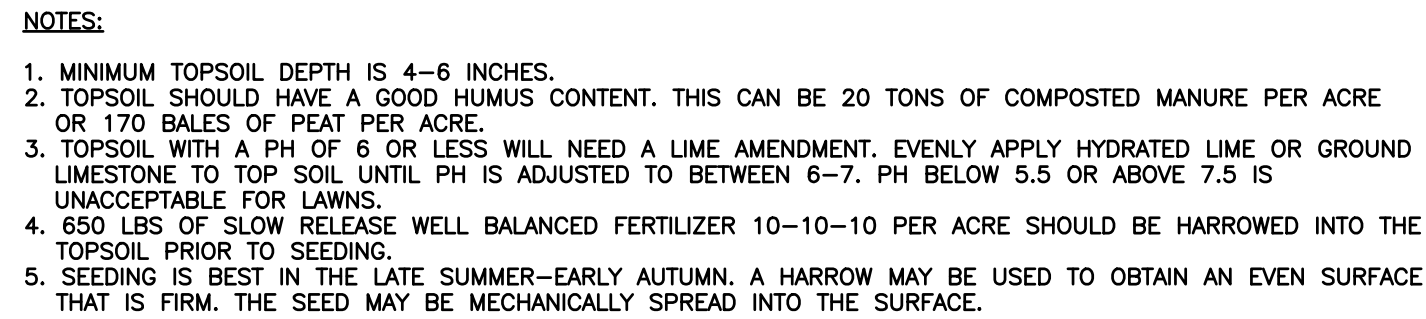
12. INSPECTIONS

A. THE LANDSCAPE ARCHITECT SHALL INSPECT THE SOD WITHIN 30 DAYS AFTER INSTALLATION AND DETERMINE IF IT ACCEPTABLE.

B. AREAS OF SOD THAT ARE FOUND DEFICIENT SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.

13. GUARANTEES

A. ESTABLISH AN ACCEPTABLE GROWTH OF THE SPECIFIED SOD ON ALL AREAS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. ANY SOD NOT CONSIDERED ACCEPTABLE, THE MAJORITY OF EACH PIECE OF SOD IS ALIVE AND HEALTHY AND GENERALLY FREE FROM WEEDS, INSECT, AND DISEASE.

[illegible]

CEC

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**U-HAUL CO. OF KNOXVILLE
U-HAUL OF HALLS
6945 MAYNARDVILLE PIKE
KNOXVILLE, TN**

LANDSCAPE NOTES AND DETAILS

DRAWING NO.:

L101

SHEET OF

Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	EX1	5	EXISTING / ESTIMATE	QUAD HEAD AREA LUMINAIRE / MOUNTED 0 40 AWG	AREA LUMINAIRE	400 WATT HPS	AE8343LES	50000	0.8	4
	EX2	1	EXISTING / ESTIMATE	TWIN HEAD AREA LUMINAIRE / MOUNTED 0 40 AWG	AREA LUMINAIRE	400 WATT HPS	AE8343LES	50000	0.8	2
	F1E	3	Lithonia Lighting	WIDE1 LED P2 40K BOCRI W MVOLT SRM DABOX	FLU CUT-OFF LED WALL-PACK LIGHT	LED - 4000K	WDGE1_LED_P2_40k_BOCRI_W_MV	1982	0.95	15.0/78
	F2	4	Lithonia Lighting	WIDE2 LED P5 40K BOCRI W MVOLT SRM DABOX	FULL CUT-OFF LED WALL-PACK LIGHT	LED - 4000K	WDGE2_LED_P5_40k_BOCRI_W_MV	6151	0.95	48.4/4





WDGE2 LED

Architectural Wall Sconce

Precision Refractive Optic



Catalog
Number

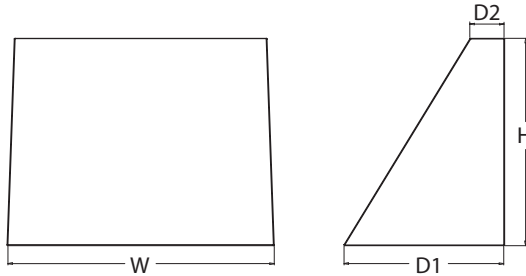
Notes

Type

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

Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: 13.5 lbs
 (without options)



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0 ¹	27K 2700K	70CRI ⁴	T1S Type I Short	MVOLT	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶ Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.
	P1 ²	30K 3000K	80CRI LW ³ Limited Wavelength	T2M Type II Medium	347 ⁵	
	P2 ²	40K 4000K		T3M Type III Medium	480 ⁵	
	P3 ²	50K 5000K		T4M Type IV Medium		
	P4 ²	AMB ³ Amber		TFTM Forward Throw Medium		

Options				Finish	
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)	Standalone Sensors/Controls PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. Networked Sensors/Controls NLTAIR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights. NLTAIR2 PIRH nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights. See page 4 for out of box functionality	DDBXD	Dark bronze	
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)		DBLXD	Black	
PE ⁷	Photocell, Button Type		DNAXD	Natural aluminum	
DMG ⁸	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)		DWHXD	White	
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.		DSSXD	Sandstone	
BAA	Buy America(n) Act Compliant		DDBTXD	Textured dark bronze	
			DBLBXD	Textured black	
			DNATXD	Textured natural aluminum	
			DWHGXD	Textured white	
			DSSTXD	Textured sandstone	



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WDGE2 LED
 Rev. 11/21/22

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD WEDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2P8BW DDBXD U WEDGE2 surface-mounted back box (specify finish)

NOTES

- 1 PO option not available with sensors/controls.
- 2 P1-P4 not available with AMB and LW.
- 3 AMB and LW always go together.
- 4 70CRI only available with T3M and T4M.
- 5 347V and 480V not available with E10WH or E20WC.
- 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- 7 PE not available in 480V or with sensors/controls.
- 8 DMG option not available with sensors/controls.

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	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2



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Rev. 11/21/22

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

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	1.00
30°C	86°F	0.99
40°C	104°F	0.97

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).

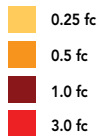
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

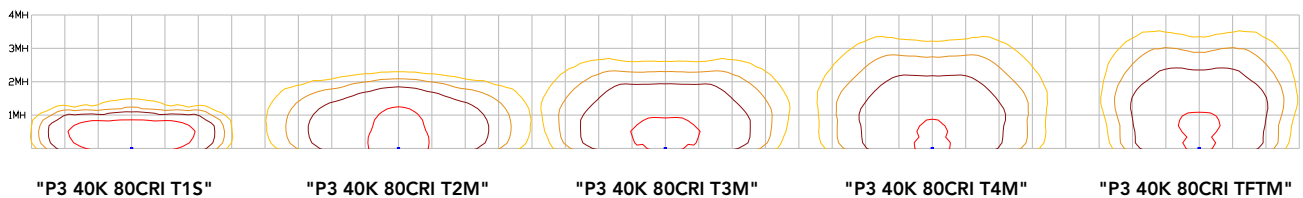
Photometric Diagrams

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

LEGEND



MH = 10ft
Grid = 10ft x 10ft



Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



COMMERCIAL OUTDOOR

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WDGE2 LED
Rev. 11/21/22

Motion/Ambient Sensor (PIR_, PIRH_)

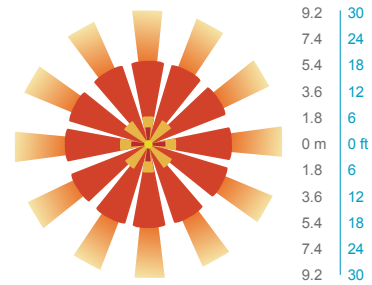
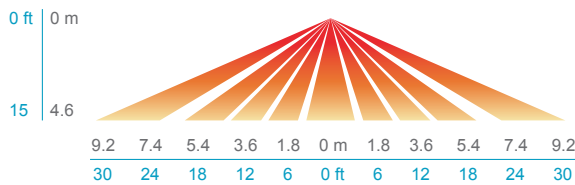
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing 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™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

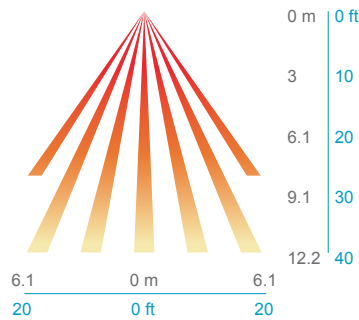
PIR

HIGH VIEW

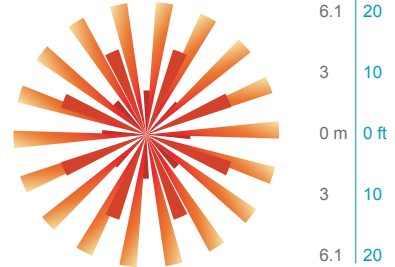


PIRH

SIDE VIEW



TOP VIEW



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
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec



Motion/Ambient Sensor

D = 7"

H = 9" (Standalone controls)

11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)

W = 11.5"



PBBW – Surface-Mounted Back Box

Use when there is no junction box available.

D = 1.75"

H = 9"

W = 11.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

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. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. 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. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.

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.



WDGE1 LED

Architectural Wall Sconce



Catalog
Number

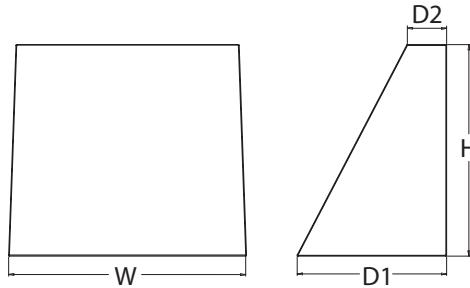
Notes

Type

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

Specifications

Depth (D1): 5.5"
Depth (D2): 1.5"
Height: 8"
Width: 9"
Weight: 9 lbs
 (without options)



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution.

WDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

WDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE1 LED	P1	27K 2700K	80CRI	VF Visual comfort forward throw	MVOLT 347 ²	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁵ Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry) Use when there is no junction box available.
	P2	30K 3000K	90CRI	VW Visual comfort wide		
		35K 3500K				
		40K 4000K				
		50K ¹ 5000K				

Options	Finish
E4WH³ Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min) PE⁴ Photocell, Button Type DS Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details) DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points. BAA Buy America(n) Act Compliant	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD WDGE 3/8inch Architectural Wall Spacer (specify finish)
 WDGE1PBBW DDBXD U WDGE1 surface-mounted back box (specify finish)

NOTES

- 50K not available in 90CRI.
- 347V not available with E4WH, DS or PE.
- E4WH not available with PE or DS.
- PE not available with DS.
- Not qualified for DLC. Not available with E4WH.



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WDGE1 LED
 Rev. 11/21/22

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	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	10W	VF	1,120	112	0	0	0	1,161	116	0	0	0	1,194	119	0	0	0	1,227	123	0	0	0	1,235	123	0	0	0
		VW	1,122	112	0	0	0	1,163	116	0	0	0	1,196	120	0	0	0	1,229	123	0	0	0	1,237	124	0	0	0
P2	15W	VF	1,806	120	1	0	0	1,872	125	1	0	0	1,925	128	1	0	0	1,978	132	1	0	0	1,992	133	1	0	0
		VW	1,809	120	1	0	0	1,876	125	1	0	0	1,929	128	1	0	0	1,982	132	1	0	0	1,996	133	1	0	0

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	10W	0.082	0.049	0.043	0.038	--
	13W	--	--	--	--	0.046
P2	15W	0.132	0.081	0.072	0.064	--
	18W	--	--	--	--	0.056

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647

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	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the 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).

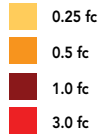
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91

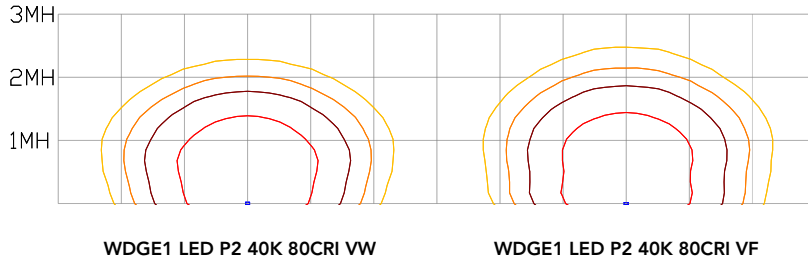
Photometric Diagrams

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

LEGEND



MH = 8ft
Grid = 8ft x 8ft



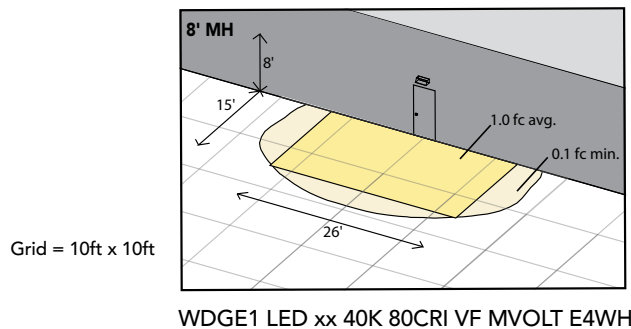
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

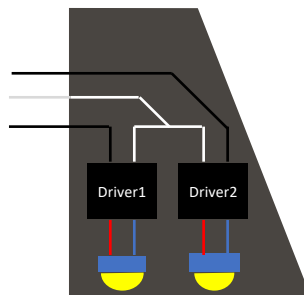
The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E4WH and VF distribution.



Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





E4WH – 4W Emergency Battery Backup

D = 5.5"

H = 8"

W = 9"



PBBW – Surface-Mounted Back Box

Use when there is no junction box available.

D = 1.75"

H = 8"

W = 9"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WEDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

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. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WEDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. 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. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. 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.



A&M ASSOCIATES, INC.
2727 N. CENTRAL AVENUE
PHOENIX, ARIZONA 85004
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4-B-23-UR
Revised: 3/30/2023



Preliminary Proposal

SHEET 01

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IMP EXCEEDS SUSTAINABLE LEED
STANDARDS BY PROVIDING
SUPERIOR R-VALUE INSULATION
FOR GREATER THERMAL
EFFICIENCY

ARTISTIC USE OF MATERIAL
CREATES AN EXTRUDED LYRICAL
ARTICULATED DESIGN ELEMENT

ARCHITECTURAL FENESTRATION
TO ENHANCE RETAIL UNIFORMITY
IN THE AREA



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4-B-23-UR
Revised: 3/30/2023

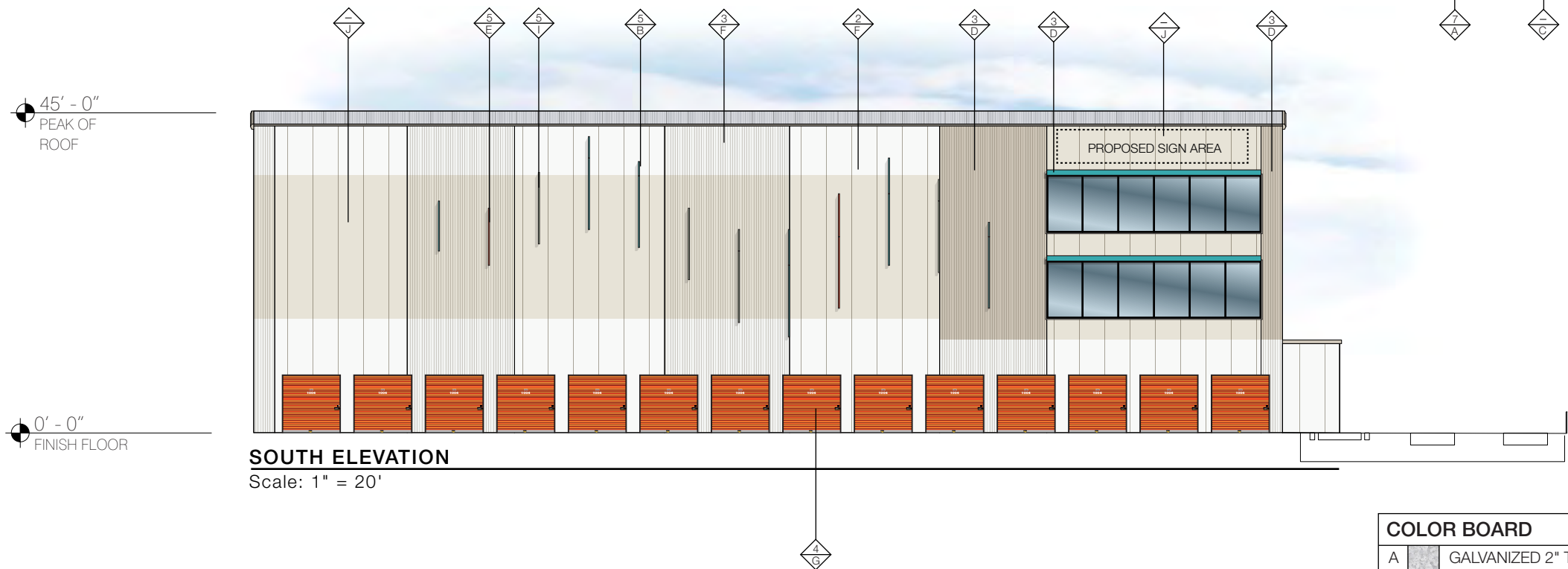


Southeast Elevation
Composite Rendering

SHEET 02

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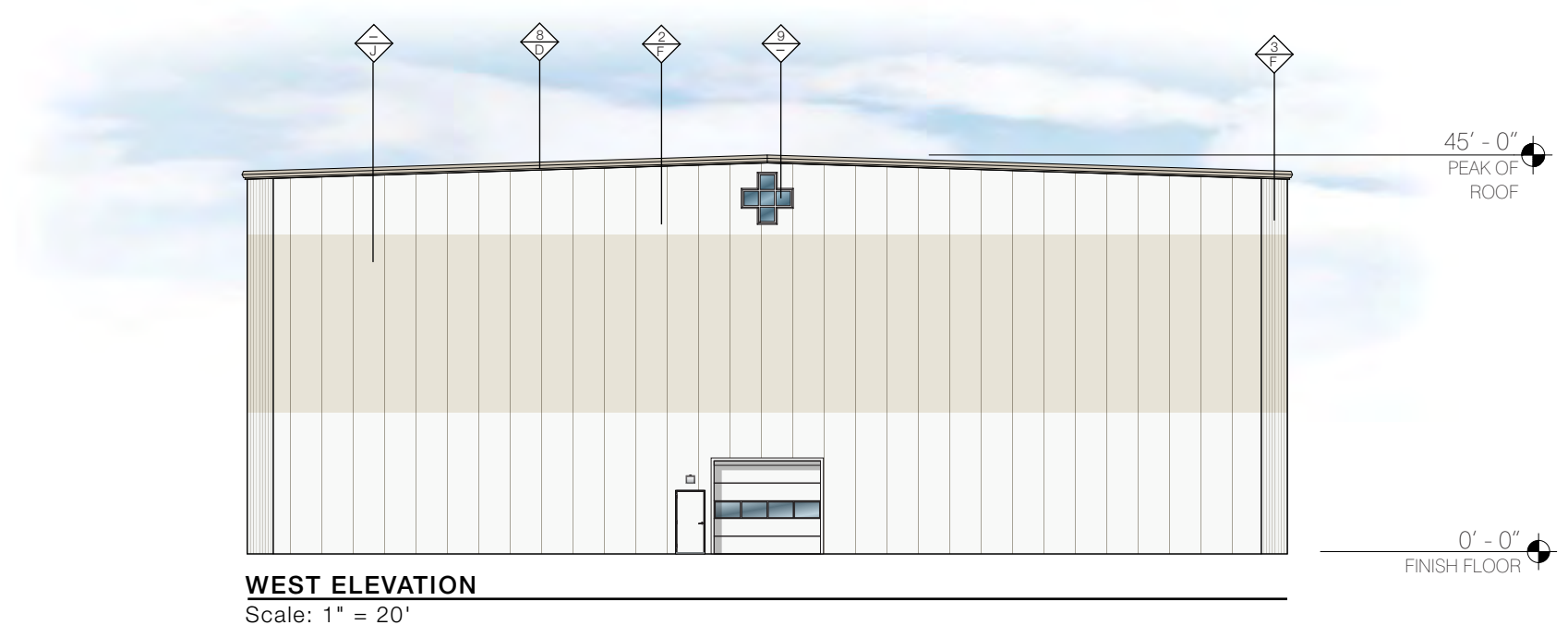


4-B-23-UR
Revised: 3/30/2023

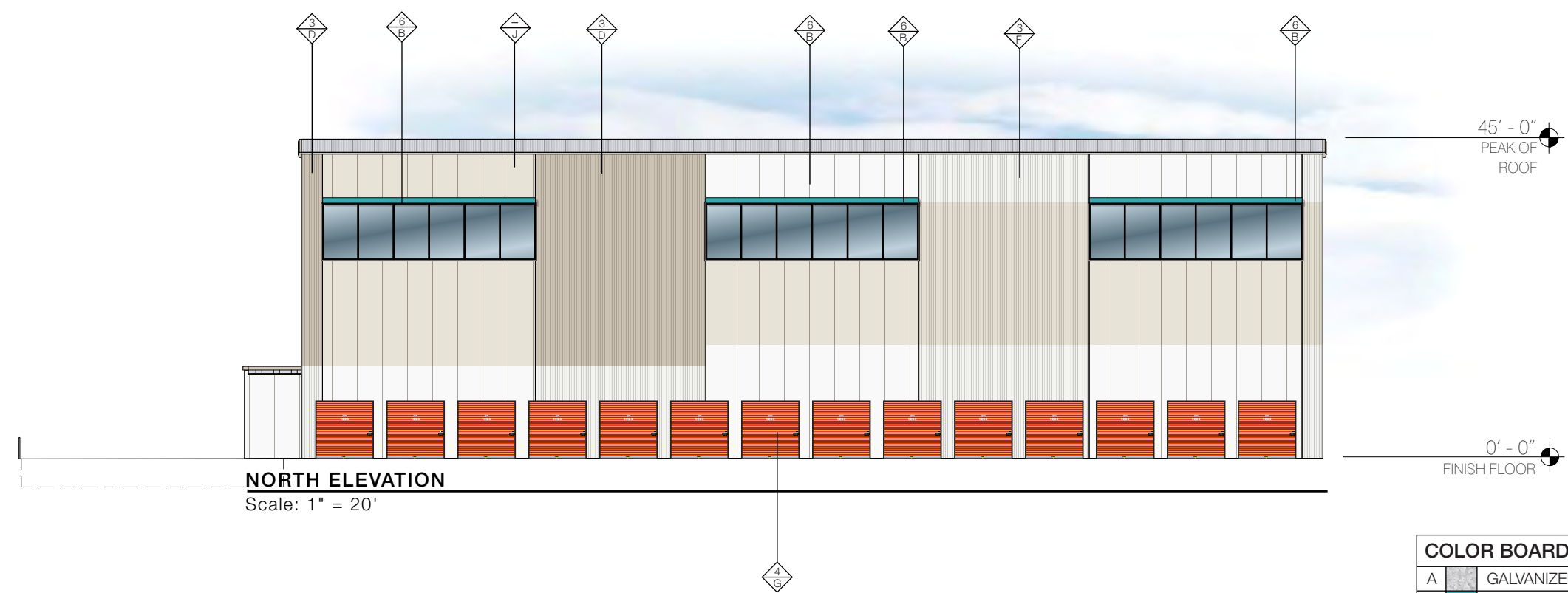
COLOR BOARD	
A	GALVANIZED 2" TRIM
B	SW 6767 AQUARIUM
C	SW EGGSHELL BLACK
D	SANDSTONE
E	SW 6884 OBSTINATE ORANGE
F	IMPERIAL WHITE
G	SIERRA SUNSET
H	WALNUT
I	SW 6451 NURTURE GREEN
J	SW 7011 NATURAL CHOICE

MATERIAL BOARD	
1	HORIZONTAL FAUX WOOD LAP PANELS
2	42"W KS AZTECO STUCCO EMBOSSED VERTICAL IMP
3	42"W KS SHADOWLINE STUCCO EMBOSSED VERTICAL IMP
4	ARCHITECTURAL DETAILS
5	9"D LYRICAL ARTICULATED DESIGN ELEMENT
6	9"H x 3"D ARCHITECTURAL DETAILS
7	2" GALVANIZED TRIM ON SIDES OF FAUX WOOD LAP PANELS TYP.
8	12"H TRIM TYP.
9	FAUX CROSS WINDOW DECALS PROVIDE FENESTRATION

GENERAL NOTES: THE PROPOSED IMP USES FULL-WIDTH PANELS.
DO NOT CUT PANELS DUE TO PAINT VARIATIONS.
CONSULT WITH UHI CONSTRUCTION DEPT. OR A&M ASSOCIATES
BEFORE CUTTING IMP.



WEST ELEVATION
Scale: 1" = 20'

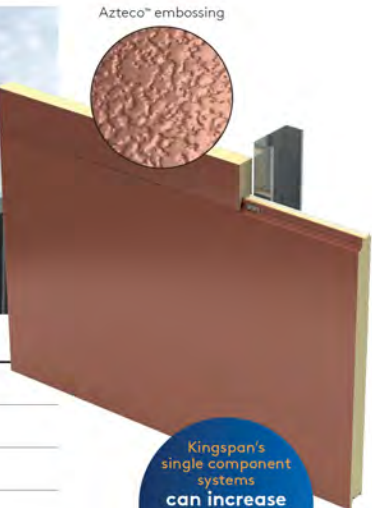



NORTH ELEVATION
Scale: 1" = 20'

4-B-23-UR
Revised: 3/30/2023

COLOR BOARD			MATERIAL BOARD	
A		GALVANIZED 2" TRIM	1	HORIZONTAL FAUX WOOD LAP PANELS
B		SW 6767 AQUARIUM	2	42"W KS AZTECO STUCCO EMBOSSED VERTICAL IMP
C		SW EGGSHELL BLACK	3	42"W KS SHADOWLINE STUCCO EMBOSSED VERTICAL IMP
D		SANDSTONE	4	ARCHITECTURAL DETAILS
E		SW 6884 OBSTINATE ORANGE	5	9"D LYRICAL ARTICULATED DESIGN ELEMENT
F		IMPERIAL WHITE	6	9"H x 3"D ARCHITECTURAL DETAILS
G		SIERRA SUNSET	7	2" GALVANIZED TRIM ON SIDES OF FAUX WOOD LAP PANELS TYP.
H		WALNUT	8	12"H TRIM TYP.
I		SW 6451 NURTURE GREEN	9	FAUX CROSS WINDOW DECALS PROVIDE FENESTRATION
J		SW 7011 NATURAL CHOICE		

KS Azteco (or Equivalent IMP)



Azteco™ embossing

Kingspan's single component systems can increase speed of build by up to 50%

Product Specification	
Profile:	Exterior: Flat Interior: Shadowline
Embossing:	Exterior: Azteco™ Interior: Stucco or non-embossed
Gauge:	Exterior: 26, 24, 22 ga Interior: 26, 24, 22 ga
Width:	24", 30", 36", 42"
Thickness:	2", 2.5", 3", 4", 5", 6"
Length:	8' - 53'
Reveal option:	Vertical: 1/8" Horizontal: 1/8" or 3/8"
Orientation:	Vertical or horizontal
Post fabrication (optional):	Trimless ends (Manufacturing limitations apply. Please contact us for detailed information)
R-value:	≈ 7.2 per inch per ASTM C518 @ 75°F mean temperature ≈ 8.25 per inch per ASTM C518 @ 35°F mean temperature



IMP
STUCCO EMBOSSED
EXAMPLE



Horizontal Faux
Wood Lap Panel
EXAMPLE

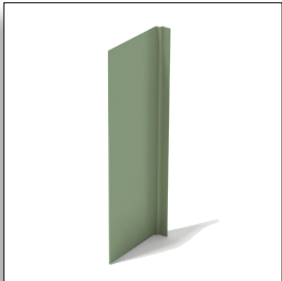
KS Shadowline (or Equivalent IMP)



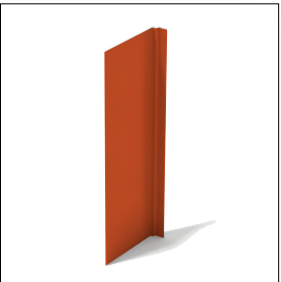
Kingspan's single component systems can increase speed of build by up to 50%

Product Specification	
Profile:	Exterior: Shadowline Interior: Shadowline
Embossing:	Exterior: Stucco or non-embossed Interior: Stucco or non-embossed
Gauge:	Exterior: 26, 24, 22 ga Interior: 26, 24, 22 ga
Width:	24", 30", 36", 42"
Thickness:	2", 2.5", 3", 4", 5", 6"
Length:	8' - 53'
Reveal option:	Vertical: 1/8" Horizontal: 1/8" or 3/8"
Orientation:	Vertical or horizontal
Post fabrication (optional):	Trimless ends (Manufacturing limitations apply. Please contact us for detailed information)
R-value:	≈ 7.2 per inch per ASTM C518 @ 75°F mean temperature ≈ 8.25 per inch per ASTM C518 @ 35°F mean temperature

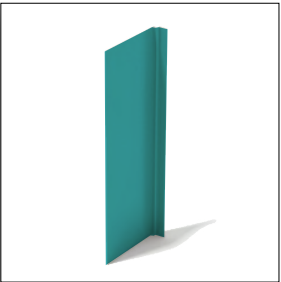
9"D Lyrical Articulated
Design Element



SW 6451
Nurture Green



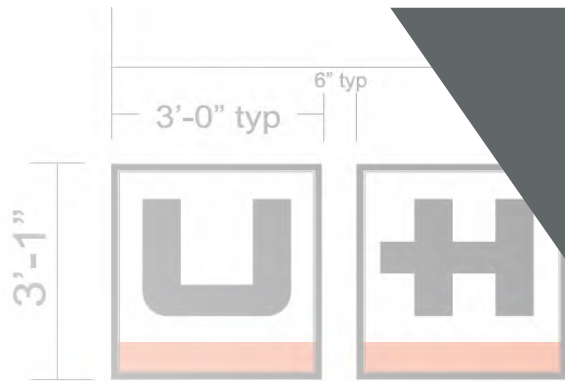
SW 6884
Obstant
Orange



SW 6767
Aquarium



4-B-23-UR
Revised: 3/30/2023



Cabinet side view

2" X 2" X 1/4" Aluminum Angle
(Inside Cabinet)
10-118R Filler

RT 200 Retainer

2' X 3' Service Door

Formed Face

4" x 4" x .250" Clip Top Of Cabinet

Electrical Raceway

#10 x 3/4" Sheet Metal Screw
(Minimum 1 per 4 lamps)
Aluminum wireway
Electronic ballasts as needed (1 for every 4 lamps)

10"

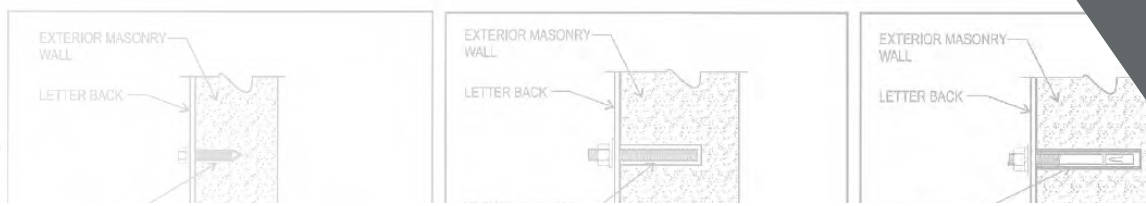
Injection Details n.t.s.

Icons - 1 1/4" Min. into Solid Wall
or HY-20 HA... Embed. into Solid Wall (or Hollow CMU w/ Screens)
Up to 50" Ph...
X - Full Ty...



A&M ASSOCIATES, INC.

2727 N. CENTRAL AVENUE
PHOENIX, ARIZONA 85004
P: 602.263.6841

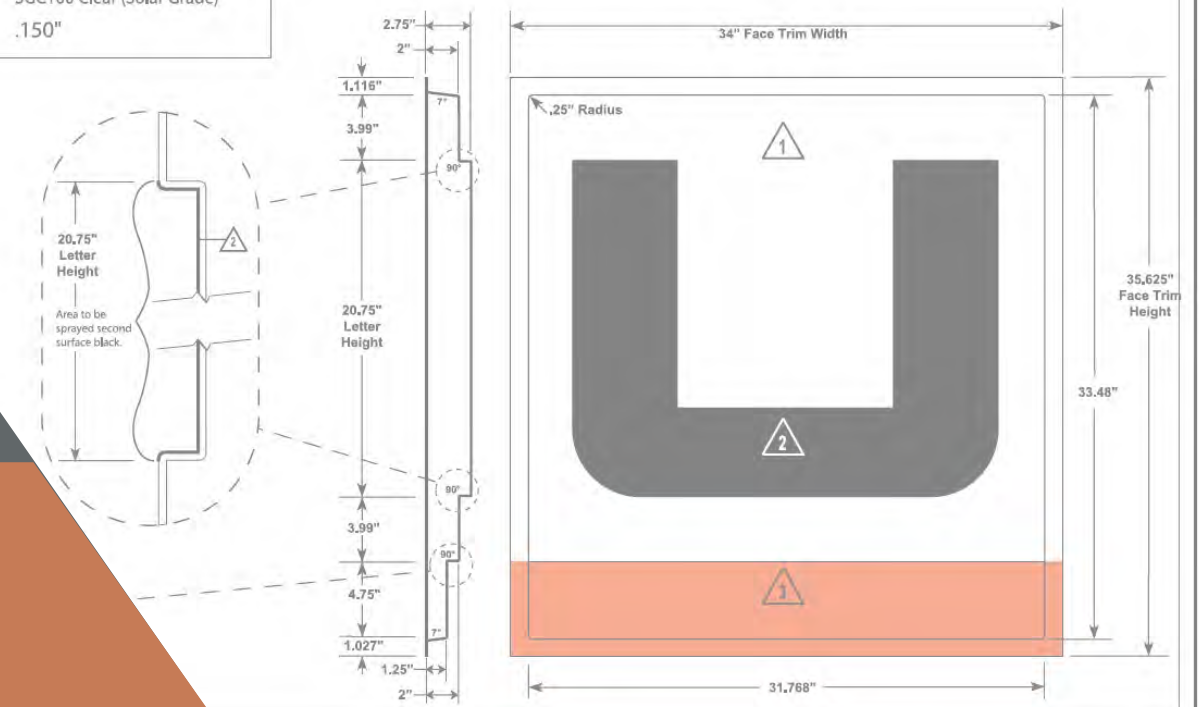


Face Detail n.t.s.

1 "Background" Color: Spray second surface L-403 White Lacryl, by Spraylat.	2 "Letter" Color: Spray second surface L-480 Black Lacryl by Spraylat.	3 "Orange Bar" Color: Spray second surface L-422 Poppy Orange Lacryl by Spraylat.
Translucent White	Black	Translucent Orange

Material(s) Specifications - Sign Face

Material: G.E. Lexan®
SGC100 Clear (Solar Grade)
Typ. Trade: .150"



2" X 2" X 1/4" Aluminum Angle
(Weld to Inside Cabinet)
2" X 2" X 1/4" Steel Angle
RT 200 Retainer
10-118R Filler
Extruded aluminum
T-8 Fluorescent lamps on 12" centers
Aluminum wireway
Ballast, Mtd, Min. 12" up From
Bottom of Cabinet to First Mtg. Hole

U-HAUL
of Halls
Knoxville, TN
(774076)

Signage Proposal

SHEET 01

4-B-23-UR
Revised: 3/30/2023

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 PHOENIX, ARIZONA 85004
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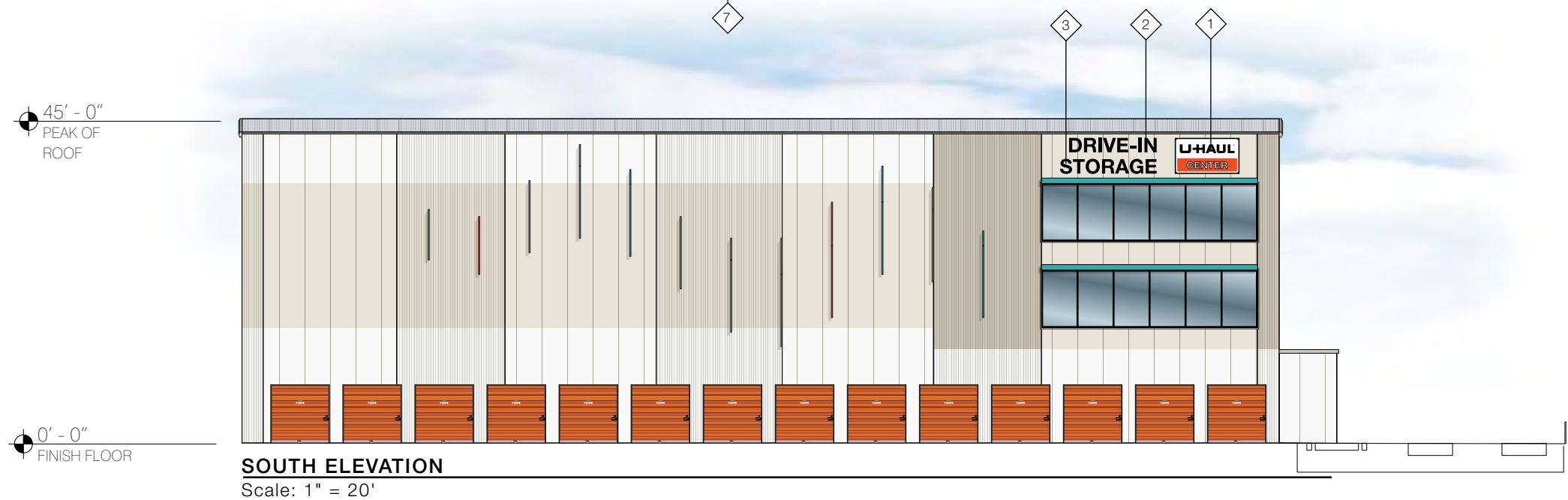
U-HAUL
 of Halls
 Knoxville, TN
 (774076)

Northeast Elevation
 Composite Rendering

SHEET 03

4-B-23-UR
 Revised: 3/30/2023

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SIGN DETAIL	
1	LIT CABINET SIGN 9'W X 5'H (45 SQFT)
2	LIT PAN-FACE/CHANNEL LETTERS (OR) DIMENSIONAL LETTERS 12.15'W X 2'H (24.30 SQFT)
3	LIT PAN-FACE/CHANNEL LETTERS (OR) DIMENSIONAL LETTERS 13.41'W X 2'H (26.82 SQFT)
4	LIT CABINET SIGN 9.66'W X 3.8'H (36.71 SQFT)
5	LIT CABINET SIGN 11.95'W X 9.19'H (109.82 SQFT)
6	LIT CHANNEL LETTERS 11.23'W X 2'H (22.46 SQFT)
7	LIT CHANNEL LETTERS 18.26'W X 2'H (36.52 SQFT)