

DESIGN REVIEW PROJECT NARRATIVE

Verizon Wireless Store, 1305 S. Alma School Road, Mesa Arizona

Single Tenant Retail, LLC has this property in escrow for purchase. This application is to process for Design Review approval at 1305 S. Alma School Road. The existing building will be razed and a new structure erected to house a Verizon Wireless Retail Phone sales store. Although specifically designated LC Zoning this property is not a candidate for Infill District designation.

The entire property area is just over ½ acre and has been in its existing condition since the 1970's originally as a drive-thru branch bank. Site circulation consists of a full access driveway from Grove Avenue and a right-in, right-out driveway onto Alma School Road. The property has direct access to and will be adequately served by the immediately adjacent and existing wet and dry utilities.

Within 1200 feet of the site there is no undeveloped land. The Fiesta District area is undergoing revival with several structures currently being considered for re-development. In addition several new buildings have been constructed in the nearby area with updated street appearances and new uses respecting the Fiesta District overlay plan.

Building placement is specifically intended to embrace the urban Fiesta District goal regarding pedestrian connections and street appeal. Site circulation is re-designed to access only from Grove Avenue and the existing driveway onto Alma School Road will be abandoned. With that abandoned driveway additional site access will be provided by a second right-in, right-out drive onto Grove Avenue. This new driveway connection and closing the Alma School Road will be compatible with the Mesa Engineering Design Standards.

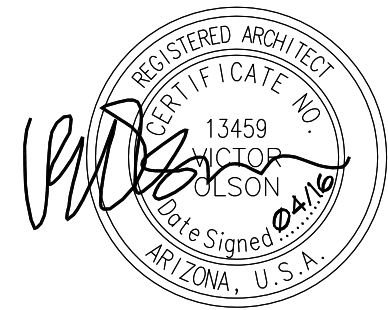
This new building aesthetic is an extension of recent architecture in the area and becomes a more urban street engaged structure by locating parking and services away from Alma School Road. The main building entry is located on the south side east end directly off Grove Avenue and with a strong connection to the street pedestrian sidewalk. Exterior materials are a collective mix of colors, rectilinear forms and finishes including plaster, metal siding and steel.

Exterior lighting is a combination of wall mounted light fixtures, soffit lights and a few ground mounted flood light fixtures to accent elements and keep the fixture lamping low. Pole mounted parking area lighting is utilized with maximum fixture mounting heights of 16'-0" above the grade surface.

Inclusion of a Fiesta District branding element at the building southwest corner will reinforce a commitment to be integrated with the local area community.

Landscaping plantings are drought tolerant material in formal plantings along the street frontages to follow the neighborhood established pattern. The plant material is specifically selected from the Fiesta District Guidelines.

The construction start is immediate on receipt of municipal entitlements.



EXPIRES 12/31/2018

PROJECT DATA

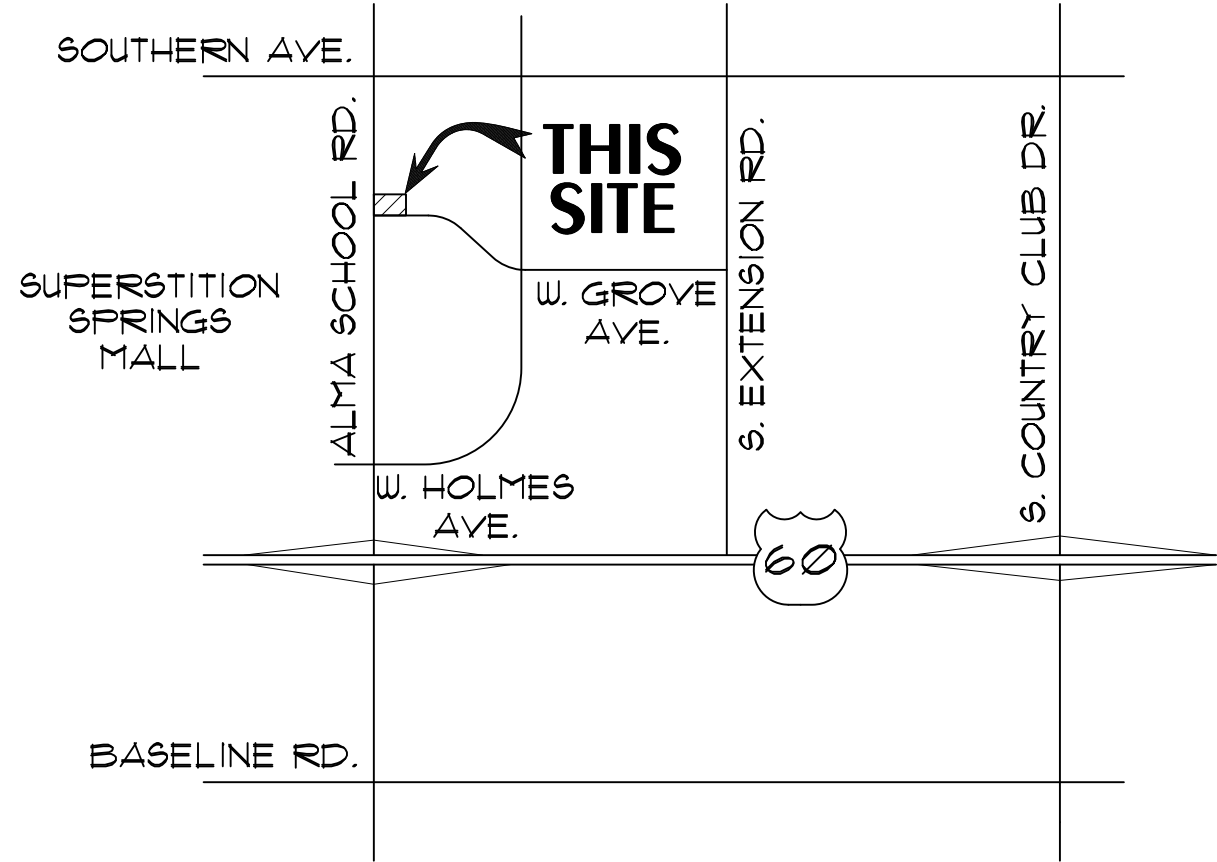
ADDRESS:	1305 S. ALMA SCHOOL RD.
PROPERTY A.P.N.:	134-23-006Q
ZONING:	LC (LIMITED COMMERCIAL)
NET LOT AREA:	22,222 S.F. (0.510 AC)
GROSS FLOOR AREA:	4,000 S.F.
LOT COVERAGE PROVIDED:	18.0%
BUILDING HEIGHT:	1 STORY / 23'-0"
PARKING CALCULATIONS	
REQUIRED; RETAIL @ 1/375 S.F. (4,000 / 375):	11
TOTAL PROVIDED:	30
ACCESSIBLE PARKING: REQUIRED:	2
PROVIDED:	2

BUILDING CODE ANALYSIS

USE	RETAIL CELL PHONE SALES AND SERVICE
OCCUPANCY GROUP	M (MERCHANTILE)
BUILDING CONSTRUCTION TYPE	V-B FULLY SPRINKLERED
BASE ALLOWABLE AREA	9,000 S.F.
FIRE SPRINKLER INCREASE (300%)	27,000 S.F.
TOTAL ALLOWABLE AREA	36,000 S.F.
BUILDING TOTAL AREA	4,000 S.F.
EXTERIOR WALL CONSTRUCTION	
DISTANCE TO PROPERTY LINES (N/SEW)	N/4'-8", S/7'4", E/122', W/80'
EXT. WALL RATING REQ'D. (ORIENTATION/Hr)	N/O/S/O/E/O/W/O
EXT. WALL RATINGS PRVD. (ORIENTATION/Hr)	N/O/S/O/E/O/W/O
OCCUPANT LOADS/EXITS	
SALES AREA 2,687 S.F./30 S.F./PERSON	90
BACK OFFICE AREA 1,313 S.F./100 S.F./PERSON	14
SALES/OFFICE AREA OCCUPANT LOAD	44
SALES/OFFICE AREA EXITS REQUIRED	2
SALES/OFFICE AREA EXITS PROVIDED	2
TOTAL BUILDING OCCUPANT LOAD	104

LEGAL DESCRIPTION

A PORTION OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 1 NORTH, RANGE 5 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 33; THENCE SOUTH 1 DEGREE 00 MINUTES 05 SECONDS WEST, A DISTANCE OF 660.69 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 33; THENCE SOUTH 89 DEGREES 05 MINUTES 47 SECONDS EAST ALONG THE NORTH LINE OF THE AFOREMENTIONED SOUTHWEST QUARTER, A DISTANCE OF 67.00 FEET TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF ALMA SCHOOL ROAD AND THE POINT OF BEGINNING; THENCE NORTH 84 DEGREES 05 MINUTES 41 SECONDS EAST, A DISTANCE OF 185.13 FEET; THENCE SOUTH 1 DEGREE 05 MINUTES 41 SECONDS WEST, A DISTANCE OF 155.22 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF GROVE AVENUE, SAID POINT BEING ON A NONTANGENT CURVE; THENCE NORTHWESTERLY ALONG SAID CURVE, BEING ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF GROVE AVENUE, SAID CURVE BEING CONCAVE SOUTHWESTERLY, HAVING A CORD BEARING OF NORTH 73 DEGREES 20 MINUTES 07 SECONDS WEST, A CORD LENGTH OF 170.03 FEET, A RADIUS OF 430.56 FEET, THROUGH AN ARC LENGTH OF 171.16 FEET; THENCE NORTH 43 DEGREES 54 MINUTES 34 SECONDS WEST, A DISTANCE OF 24.78 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF ALMA SCHOOL ROAD; THENCE NORTH 1 DEGREE 00 MINUTES 21 SECONDS EAST, A DISTANCE OF 82.10 FEET TO THE POINT OF BEGINNING.

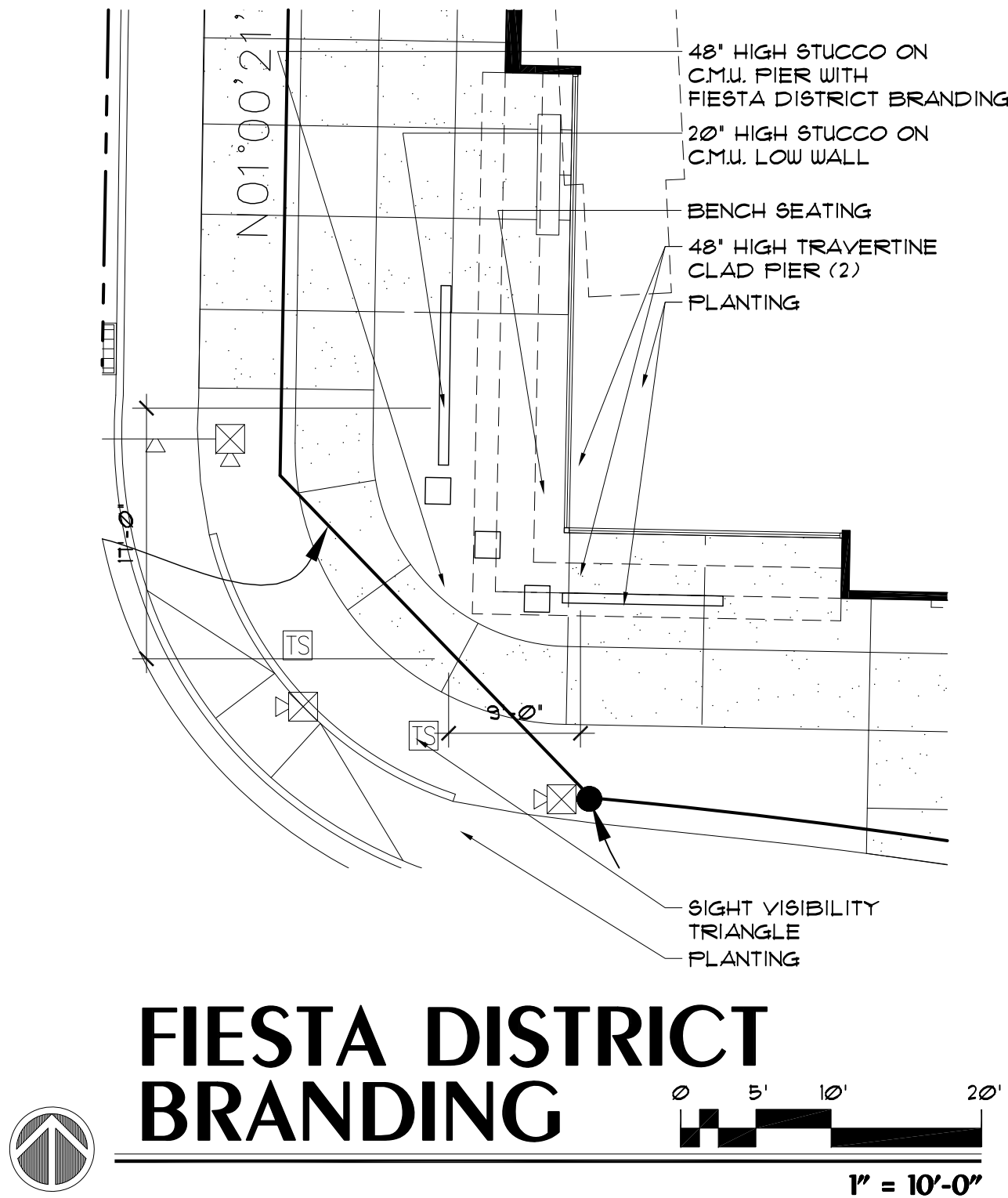


VICINITY MAP

NO SCALE

JOB NO.: PDG-1131
DATE: 04/18/16
REVISION:
1
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DRAWN BY: H.A.C.
CHECKED BY: V.E.O.
SHEET NO.

A1.1



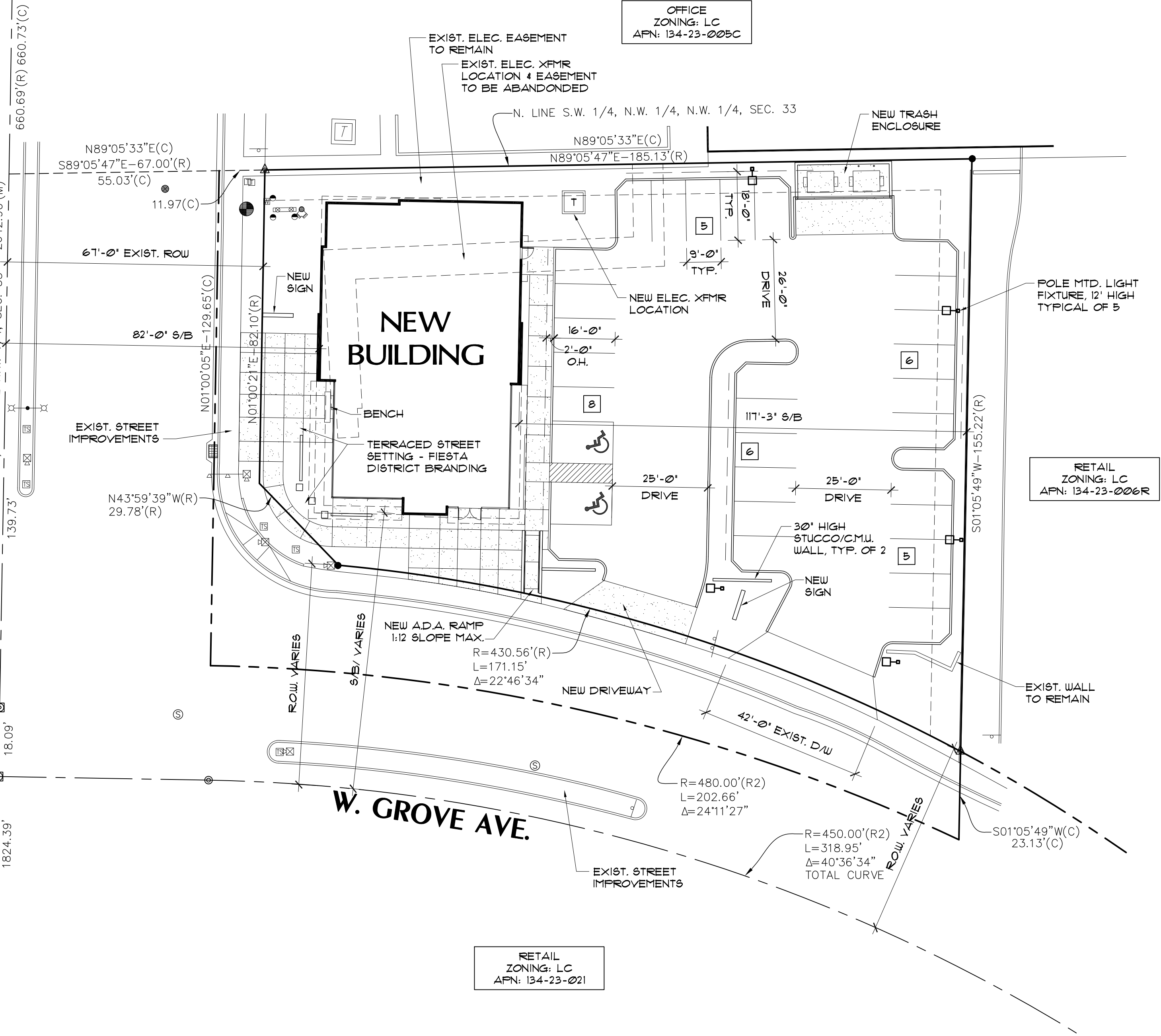
FIESTA DISTRICT
BRANDING

1" = 10'-0"

S. ALMA SCHOOL RD.

FIESTA MALL

RETAIL
ZONING: LC
APN: 134-26-001Q



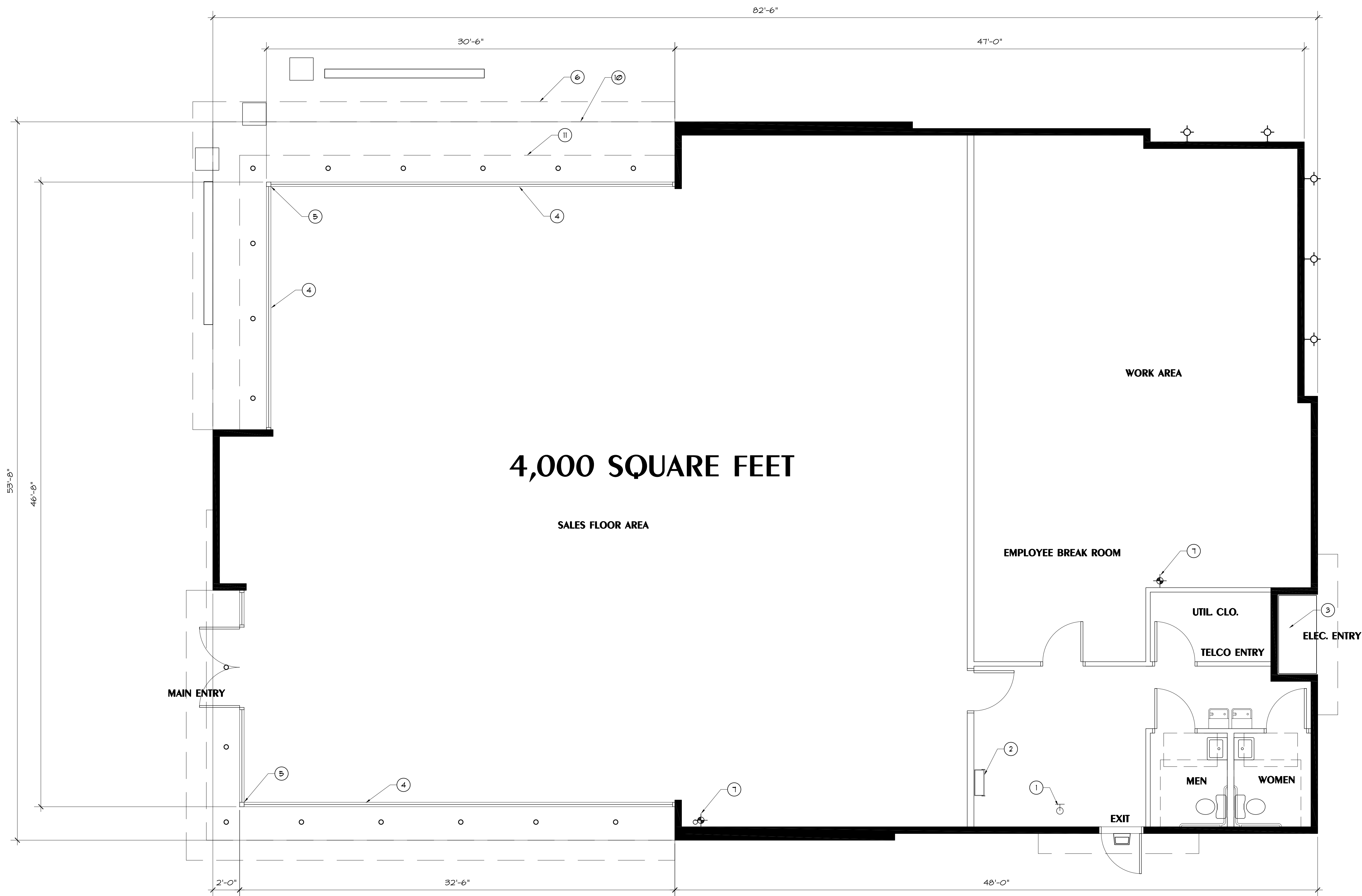
SITE PLAN

1" = 20'-0"

phoenix design group

VERIZON WIRELESS STORE
NEC ALMA SCHOOL ROAD AND GROVE AVE.

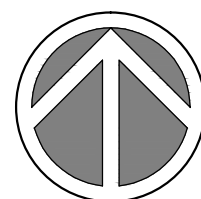
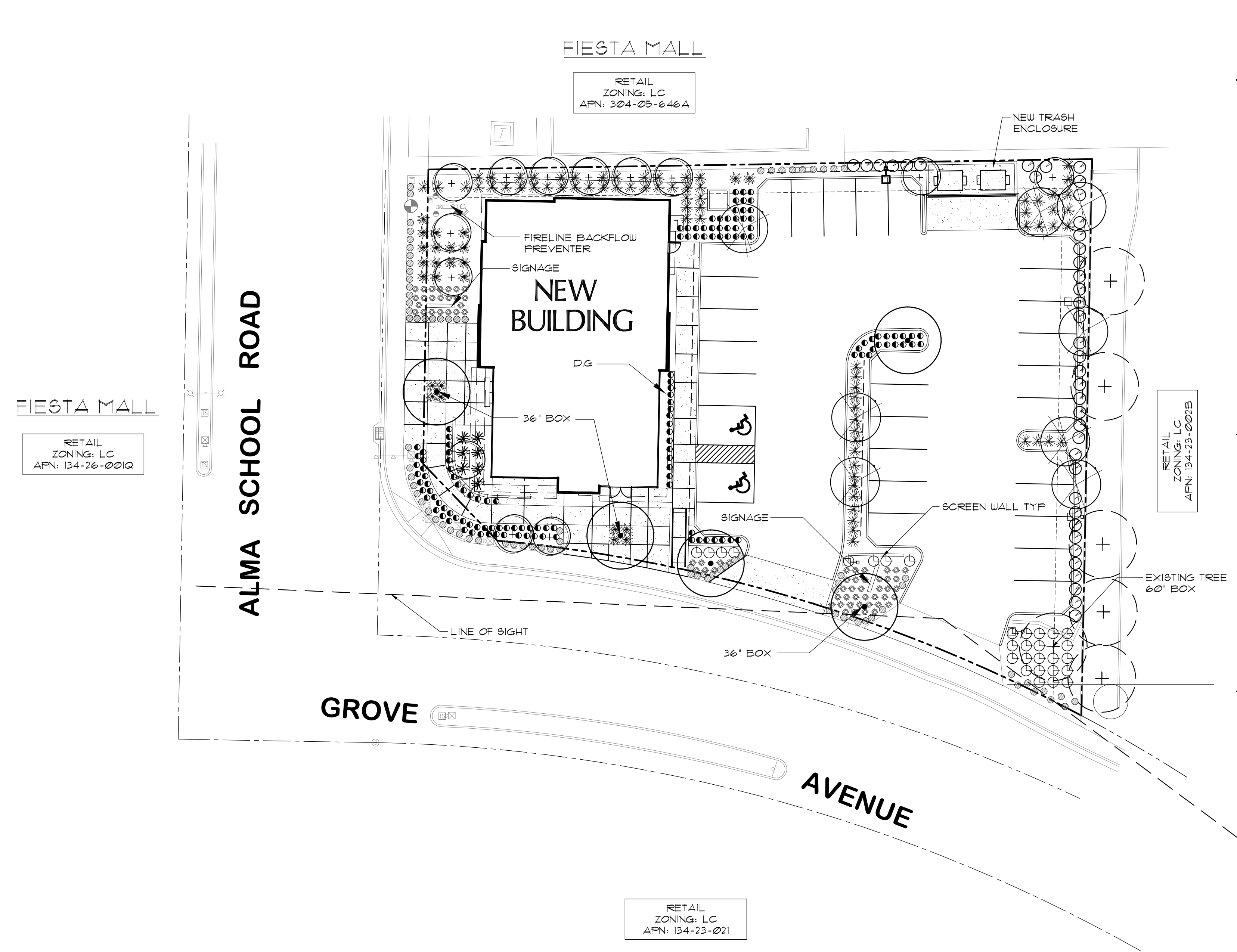
10245 e. via linda suite 105 scottsdale arizona 85258 480 451 9773



 **FLOOR PLAN**  1/4" = 1'-0"

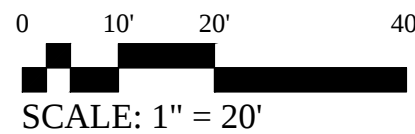
- KEY NOTES**
1. VERTICAL FIRE RISER LOCATION W/ BACKFLOW PREVENTOR CHECK VALVE ASSEMBLY PER C.O.M. DETAIL M-3106.
 2. ROOF ACCESS LADDER
 3. RECESSED ELECTRICAL SERVICE ENTRANCE SECTION
 4. INSULATED FULL HEIGHT ALUMINUM 4 GLASS STOREFRONT
 5. STRUCTURAL STEEL COLUMN - BURY IN STOREFRONT
 6. AWNING OVERHANG
 7. PORTABLE WALL MOUNTED 2A10BC FIRE EXTINGUISHER
 8. WALL MOUNTED LIGHT FIXTURE ABOVE DOOR
 9. TRAVERTINE VENEER SEE EXTERIOR ELEVATIONS
 10. LINE OF AWNING OVERHANG ABOVE
 11. LINE OF ROOF OVERHANG ABOVE

NOTE:
INTERIOR LAYOUT SHOWN FOR ESSENTIAL CONTENTS.
FINAL INTERIOR LAYOUT WILL BE PROVIDED BY
TENANT.



PRELIMINARY LANDSCAPE PLAN

SCALE: 1" = 20'-00"



EXISTING LANDSCAPING AND IRRIGATION NOTES:

1. Site verify all existing conditions prior to bidding. Any discrepancies are to be brought to the Landscape Architect immediately.
2. All plant material designated as "existing to remain" shall be protected during all phases of construction. Any tree that dies due to lack of water, lack of maintenance or care, neglect or vandalism shall be replaced by a like type tree, (minimum 48" box). At no additional cost to owner. All shrubs and groundcover shall be replaced with 5 gallon plants.
3. Landscape areas disturbed by new construction shall be repaired with new decomposed granite matching existing. Blend all disturbed areas with undisturbed so there is smooth transition between all edges. Replace all disturbed, broken or damaged headers with matching type.
4. All existing plant material and adjacent plant material shall have uninterrupted watering during all phases of construction. This shall include but not be limited to; hand watering, temporary above ground irrigation, existing system, etc.

5. The existing irrigation system shall be protected, maintained and repaired during all phases of construction. The existing system is tied in adjacent properties. All equipment such as mainline, wires, lateral heads and etc. shall be repaired and replaced to maintain continuous water.

6. Provide new schedule 40 sleeves at all new drives. (See sleeve schedule for size.) Any existing irrigation system is to be maintained at all times during construction and guarantee 100

7. All existing trees to remain, shall be selectively pruned per Landscape Architects direction. and guarantee 100% coverage.

8. All existing shrubs within the sight distance lines and sight visibility triangles shall be selectively pruned to a maximum height of 30".

9. All trees shall be lifted to clear height of 7'.

GENERAL LANDSCAPE NOTES

1. The Landscape Architect, or his representative, reserve the right to refuse any plant deemed unacceptable. (See specifications)
2. For clarification of discrepancies between the drawings and the site, it should be brought to the attention of the Landscape Architect prior to beginning work.
3. The Landscape Architect is to approve any and all substitutions.
4. Plant list provided for contractor's convenience only. Plans take precedence.
5. Double stake all 15 gallon, 1", 2", 3", and 4" caliper trees as required.
6. Sprinkler Contractor must guarantee 100% coverage in all landscape areas.
7. Exposed soil in planters shall be raked and free from rocks, roots, weeds, etc.
8. Finished grade in groundcover, granite and lawn areas shall be 1" below adjacent header, paving, curbing, etc.
9. Plants shall be quality material having a growth habit which is normal for the species and be sound, vigorous, healthy, and free from insects and injury.
10. Groundcover and/or decomposed granite shall extend under shrubs unless noted.
11. After all work is completed, the contractor shall remove all materials not incorporated in the Scope of Work from the job site.
12. Grading shall include all excavation, settlement, handling, import, distribution, transportation, and disposal necessary to bring ground to finish grade as shown on the plan. (once general contractor has provided finish grade within 1/10 of 1")
13. All earthwork is to be done so that all water drains away from all structures.
14. A pre-emergent herbicide is to be applied to all granite areas after the granite has been laid. Include all river rock areas, if applicable.

15. All underground conduits are to be located before digging. If doubt exists call Blue Stake at (602) 263-1100.

16. All material to be guaranteed for a period of one (1) year after final site acceptance, by L.A and Owner. The guarantee is for all new plant material, transplants, and existing plant material.

17. Landscape contractor shall provide arbor guards to all trees located in turf areas.

18. Contractor is responsible for all required sleeving whether it is shown on the plans or not.

19. Landscape Architect to approve all mounding and grades prior to planting.

20. Landscape Architect to approve placement of all trees, salvaged material and boulders prior to installation.

21. Site verify all conditions prior to bidding and start of construction. Any discrepancies are to be brought to the attention of the L.A. in writing immediately.

22. General contractor is to provide all rough grades for berms and mounds. The Landscape contractor shall be responsible for all finished grading of berms, per the Landscape Architects direction.

23. General contractor shall coordinate all mounding and berms with landscape contractor, grading contractor, and civil plans.

LANDSCAPE LEGEND

ALL TREES TO MEET OR EXCEED A.N.A. SPECIFICATIONS
(U.O.N. - UNLESS OTHERWISE NOTED)

TREES SIZE / QTY

	Parkinsonia 'Hybrid' Desert Emerald	24" box - 01 36" box - 03 multi / low breaking
	Chilopsis 'ARTS' linearis 'Hybrid' Desert Willow	24" box - 13 multi
	Nerium oleander tree 'red' Standard Red Oleander Tree	24" box - 07 tree form
	Existing Tree to remain and be protected	60" box - 01
	Fouquieria splendens Ocotillo	10' Can Min - 07

SHRUBS / ACCENTS SIZE / QTY

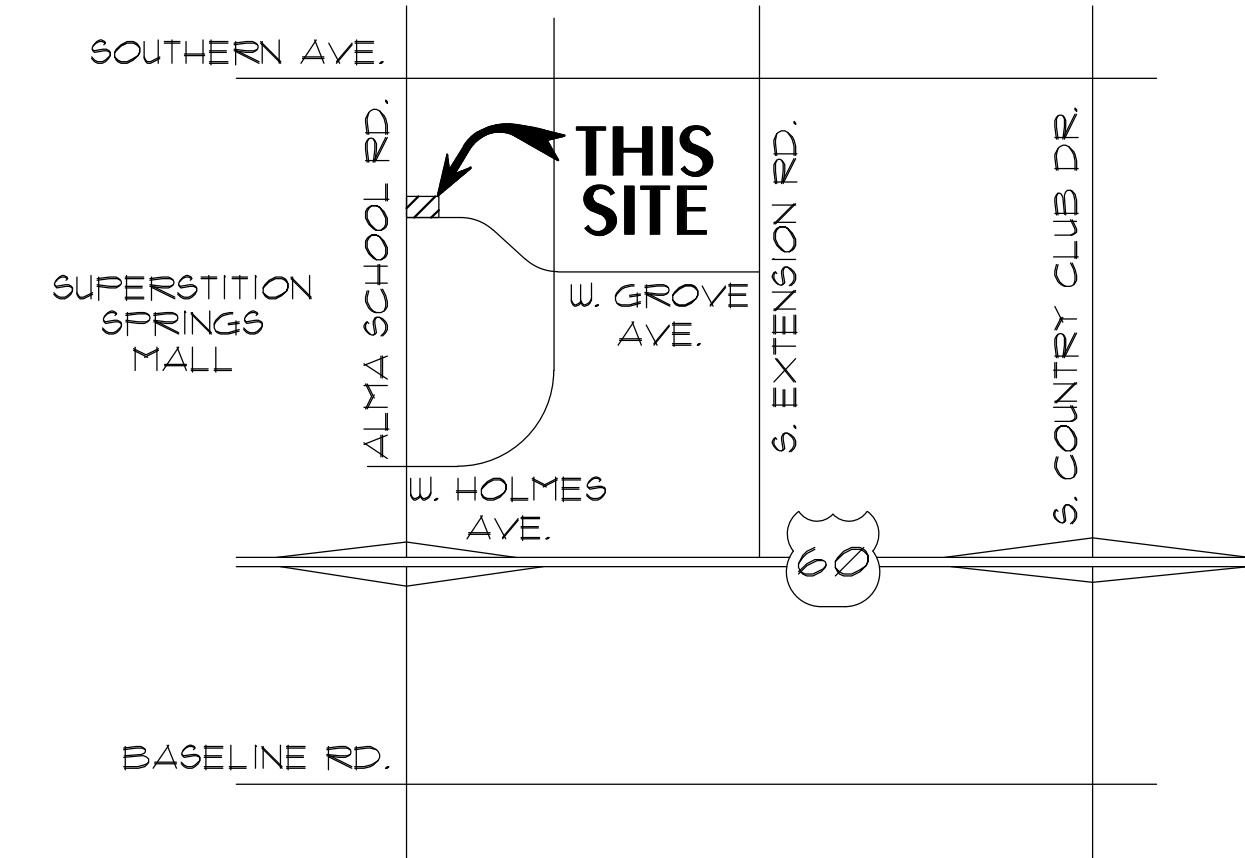
	Agave geminiflora Twin Flower Agave	5 gallon - 66
	Hesperaloe 'Perpa' parviflora Brakelight Red Yucca	5 gallon - 121
	Hesperaloe parviflora Yellow Yucca	5 gallon - 73
	Euphorbia rigida Gopher Plant	5 gallon - 29
	Callistemon Little John Dwarf Bottle Bush	5 gallon - 41
	Dasylirion quadrangulatum Toothless Desert Spoon	5 gallon - 25

GROUNDCOVERS

	Lantana montevidensis	1 gallon - 96
	Trailing Lantana 'Purple & Gold mound'	50/50 mix
	Decomposed Granite- 1/2" select Express Arizona Red 2" min thickness in all landscape areas Submit samples to Landscape Architect	
	4-6" Rip Rap 'Express Arizona Red' 2" min thickness in all landscape areas Submit samples to Landscape Architect	

PROJECT DATA

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GROSS FLOOR AREA:	4,001 S.F.
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PARKING CALCULATIONS	
REQUIRED: RETAIL @ 1/375 S.F. (4,000 / 375):	11
TOTAL PROVIDED:	29
ACCESSIBLE PARKING: REQUIRED:	2
PROVIDED:	2



VICINITY MAP

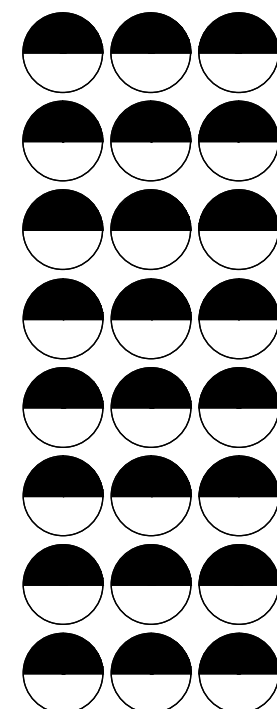
NO SCALE

LANDSCAPE CALCULATION

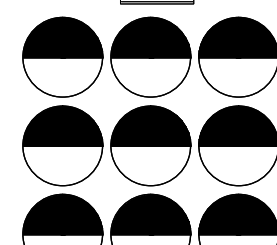
LOCATION	TREES		SHRUBS	
	REQUIRED	FURNISHED	REQUIRED	FURNISHED
NORTH 185'-00"				
1 TREE / PER 25 L.F.T.	7	7	14	14
2 SHRUBS / PER 25 L.F.T.				
EAST 155'-00"				
1 TREE / PER 25 L.F.T.	6	6	18	31
2 SHRUBS / PER 25 L.F.T.				
SOUTH 171'-00"		1 Ex Trees		
1 TREE / PER 25 L.F.T.		6 New Trees		
2 SHRUBS / PER 25 L.F.T.	7	7	14	67
WEST 82'-00"				
1 TREE / PER 25 L.F.T.	3	3	6	82
2 SHRUBS / PER 25 L.F.T.				
PARKING LOT				
1 TREE / PER 15' ISLAND				
3 SHRUBS / PER 15' ISLAND	5	5	15	30
FOUNDATION PLANTING				
1 TREE / PER 50 L.F.T.	3	0	0	0
TOTAL REQD/FRNSHD	31	28	67	224
SIZE REQD/FURNISHED				
TREES 36" BOX MIN 10%	3	1 Ex / 2 New		
24" BOX MIN 50%	14	15		
15 GAL	14	0		
5 GAL				
TOTAL TREES	31	28		
SHRUBS 15 GAL or Larger			0	0
5 GAL			67	451
1 GAL			0	96
POT/FLAT				
TOTAL SHRUBS			67	547



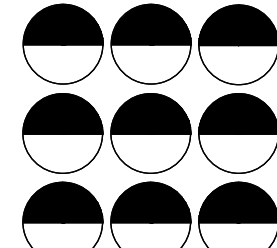
LASKIN & ASSOCIATES, INC.
LANDSCAPE ARCHITECTS
67 E. Weldon Ave.
Suite 230
Phoenix, Arizona 85012
p (602) 840-7771
f (602) 840-8021
www.laskindesign.com



phoenix design group



VERIZON WIRELESS STORE
NEC ALMA SCHOOL ROAD AND GROVE AVE.



JOB NO.:
PDG-1731
DATE:
03/17/16
REVISION:

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DAN
CHECKED BY:
HAL
SHEET NO.

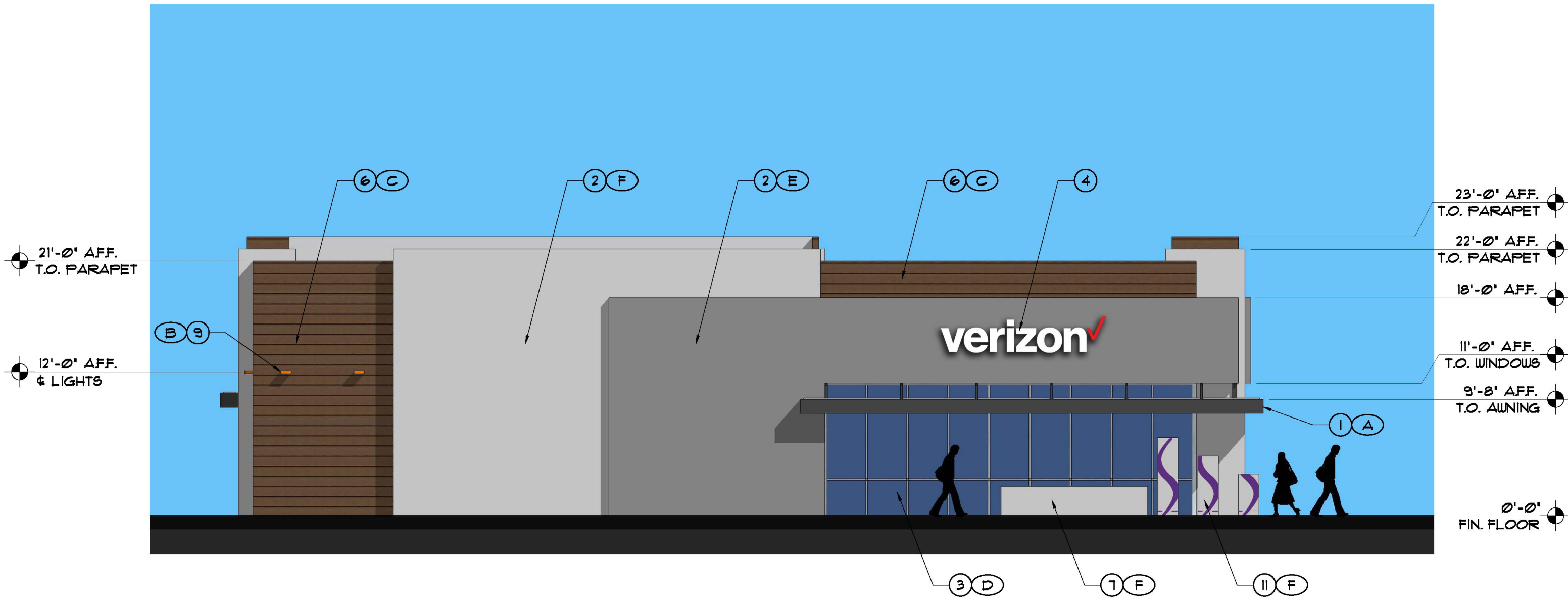
L.01

KEY NOTES

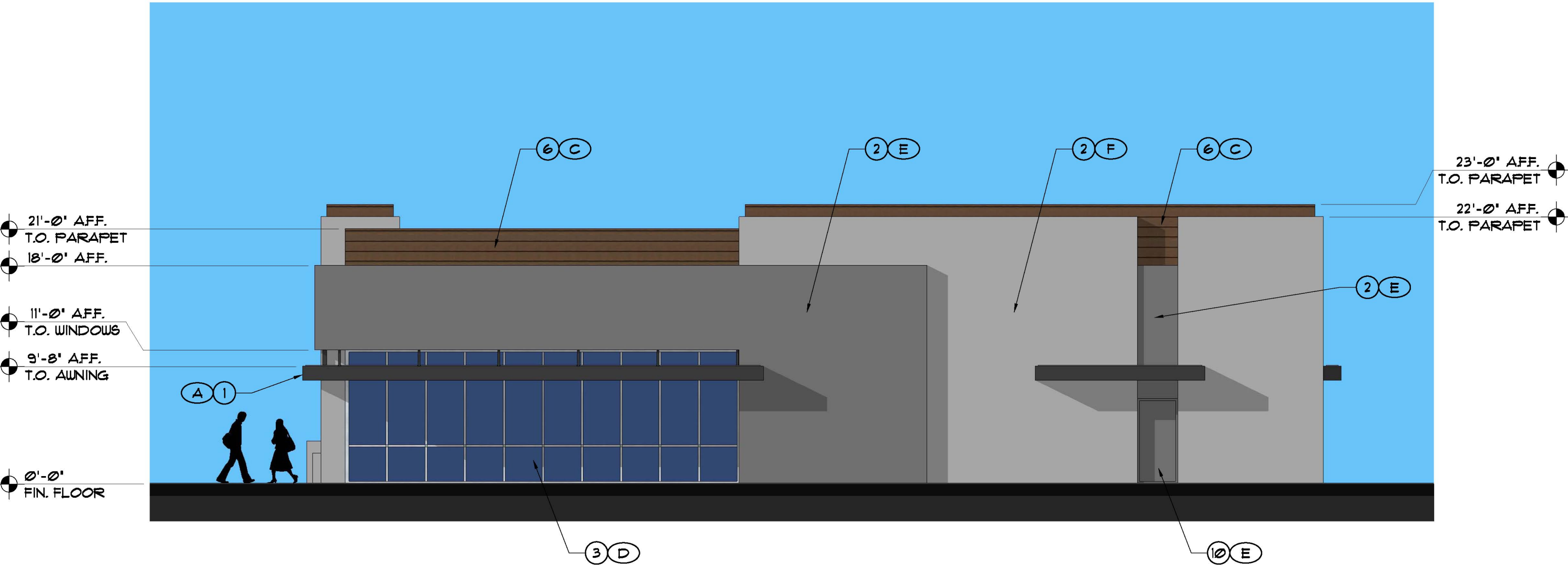
- 1. PAINTED STEEL AWNING
- 2. PAINTED E.I.S.S. FINISH
- 3. ALUMINUM STOREFRONT SYSTEM, SAFETY GLAZING WHERE SHOWN (1)
- 4. TENANT SIGN - APPROVED BY SEPARATE PERMIT
- 5. CONTROL JOINT
- 6. HORIZONTAL BEAM METAL SIDING
- 7. SCREEN WALL - SEE SITE PLAN
- 8. ELECTRICAL SERVICE ENTRANCE SECTION
- 9. WALL MOUNTED WALL PACK LIGHT FIXTURE
- 10. HOLLOW METAL DOOR - PAINT TO MATCH BUILDING COLOR
- 11. FIESTA DISTRICT BRANDING

MATERIAL AND COLOR SCHEDULE

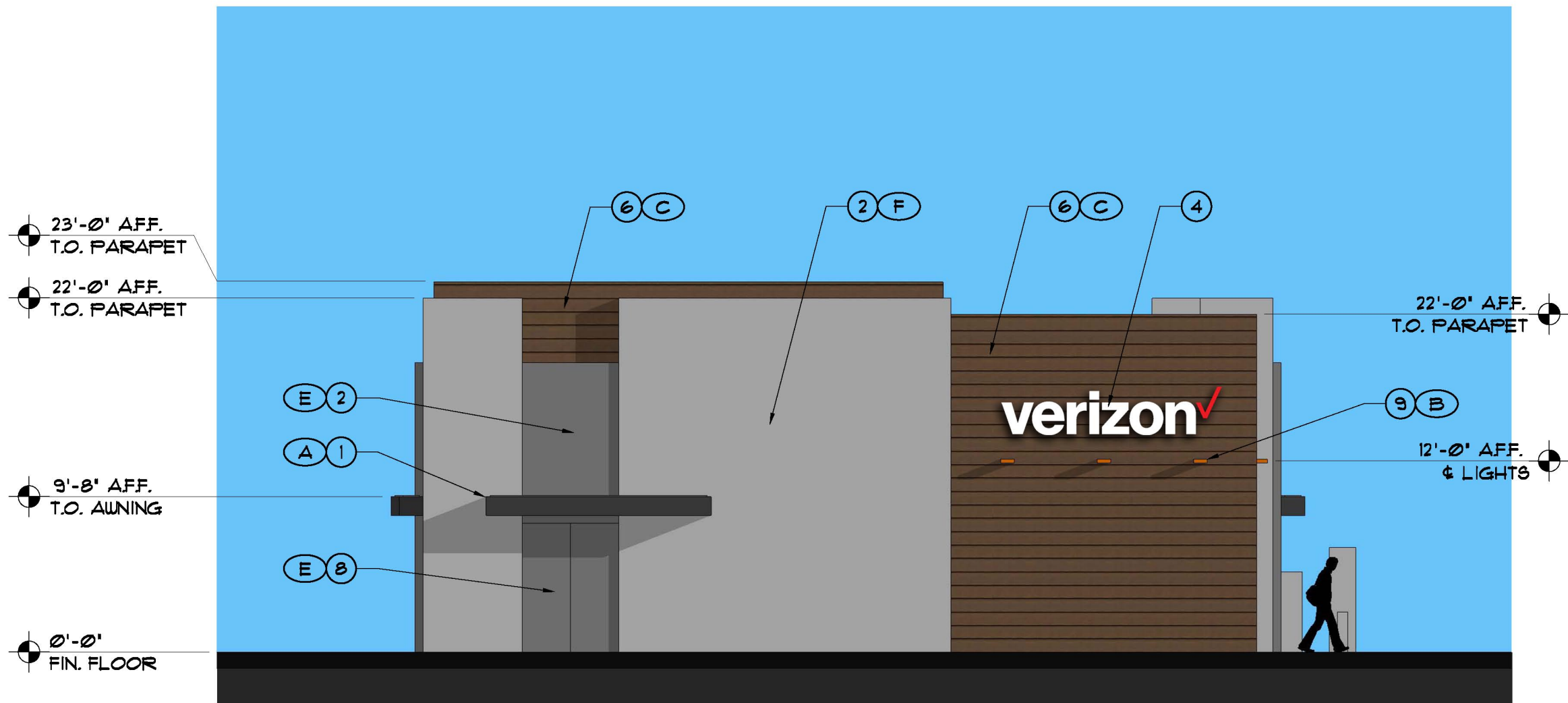
SYMBOL	MATERIAL	COLOR	MANUFACTURER	REMARKS
(A)	PAINTED STEEL	MATCH 'BERRIDGE' CHARCOAL GRAY	DUNN EDWARDS	
(B)	PRE-FIN. METAL	BRIGHT COPPER	LITHONIA LIGHTING	
(C)	METAL SIDING	COPPER BROWN	BERRIDGE	
(D)	ALUMINUM FRAMING	CLEAR ANODIZED	ALCOA	
(E)	PAINT/E.I.S.S.	WEB GRAY SW 1015	SHERWIN WILLIAMS	ALT: DRYVIT CUSTOM COLOR VERI021030
(F)	PAINT/E.I.S.S.	MOUNTAIN FOG 132	DRYVIT	
(G)				



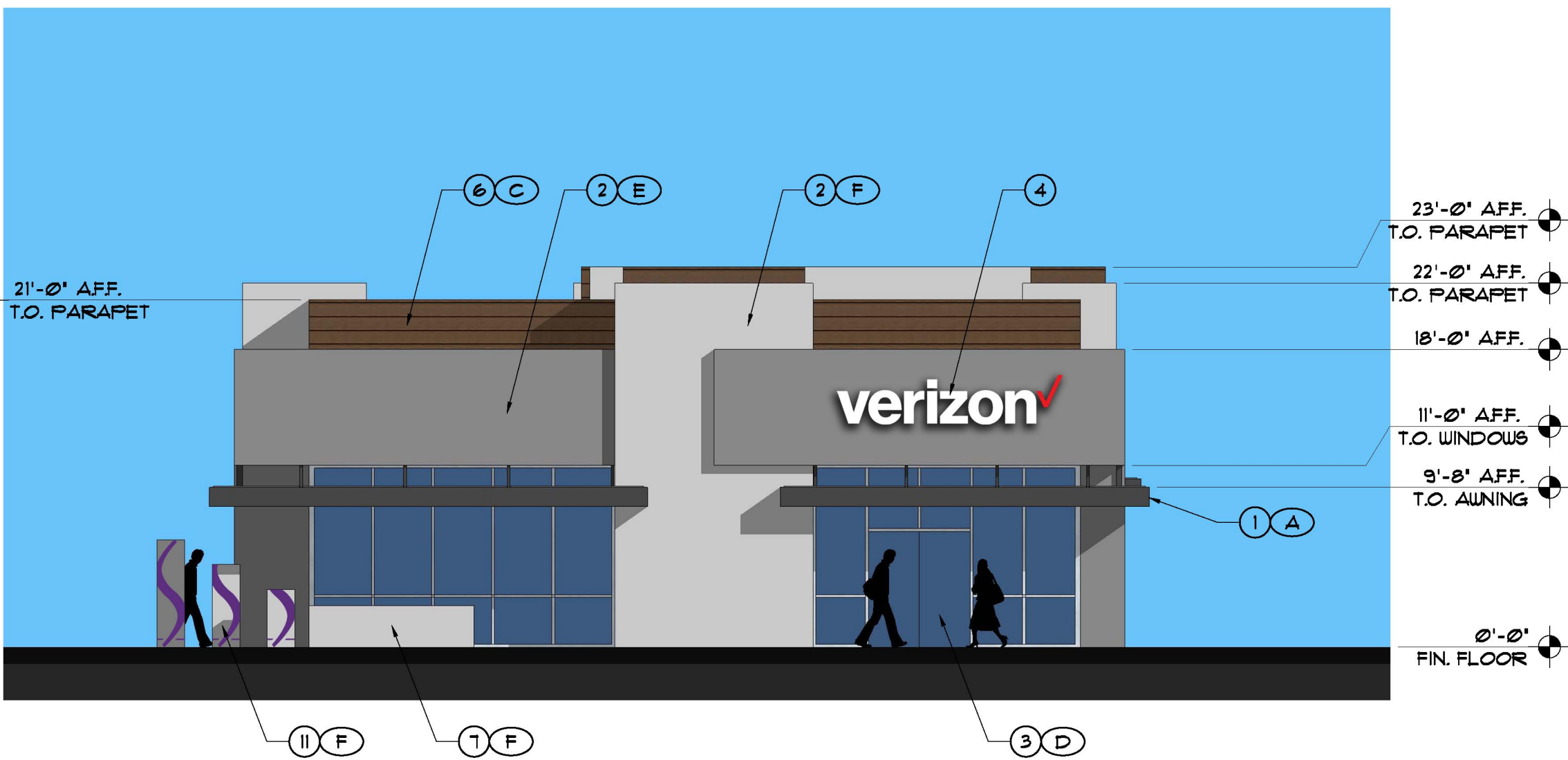
WEST ELEVATION



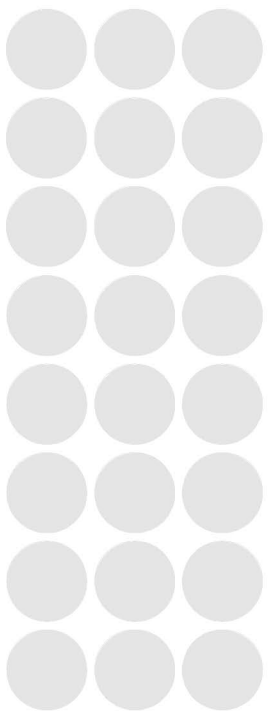
EAST ELEVATION



NORTH ELEVATION



SOUTH ELEVATION



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VERIZON WIRELESS STORE
NEC ALMA SCHOOL ROAD AND GROVE AVE

JOB NO.: PDG-1731
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REVISION:
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DRAWN BY: H.A.C.
CHECKED BY: V.E.O.
SHEET NO.

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VERIZON WIRELESS STORE
NEC ALMA SCHOOL ROAD AND GROVE AVE.

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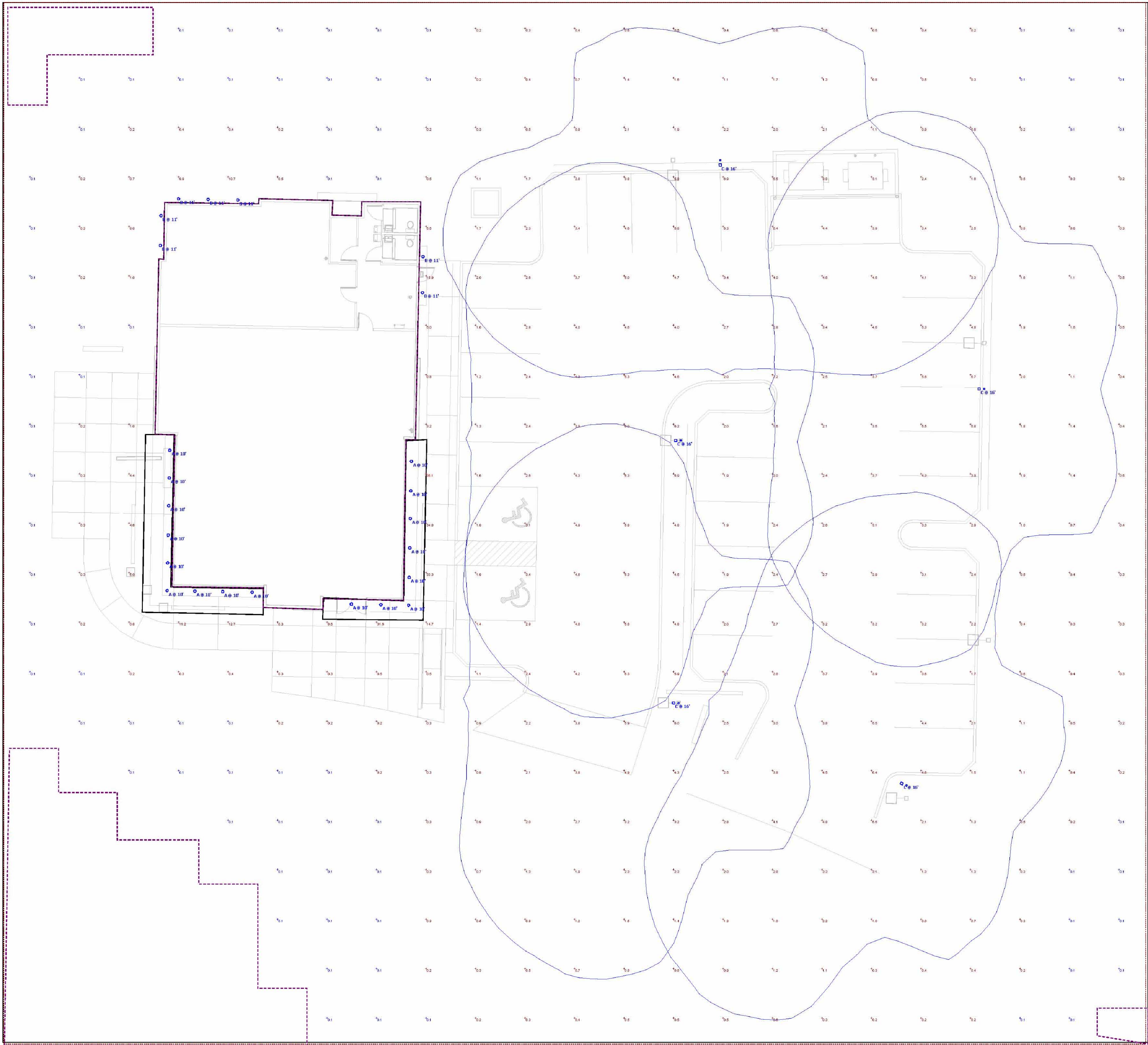
PDG-1131
04/18/16

VERIZON WIRELESS STORE

1305 S. ALMA SCHOOL ROAD

MATERIAL AND COLOR SCHEDULE

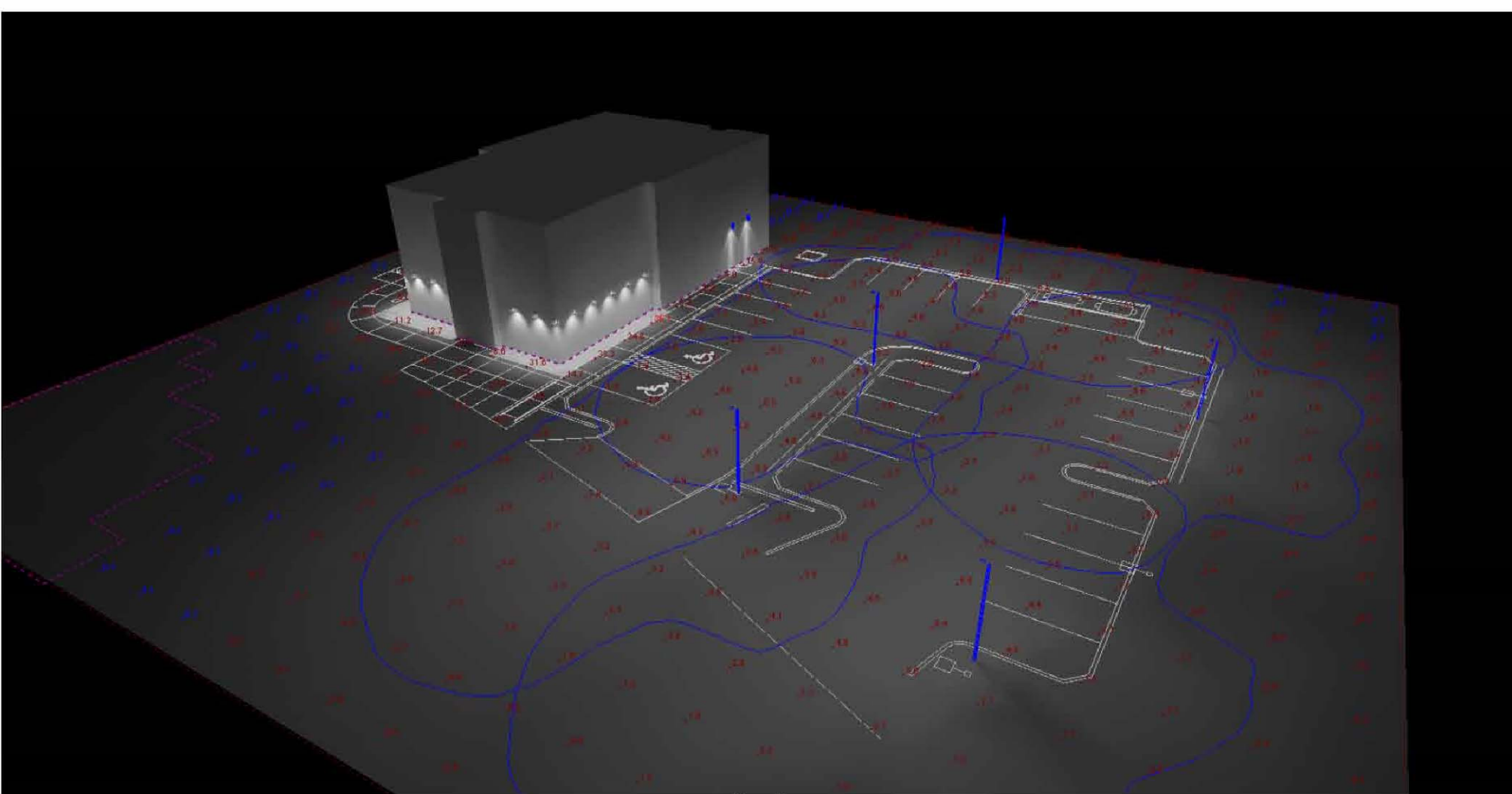
SYMBOL	MATERIAL	COLOR	MANUFACTURER	REMARKS
(A)	PAINTED STEEL	MATCH 'BERRIDGE' CHARCOAL GRAY	DUNN EDWARDS	
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(C)	METAL SIDING	COPPER BROWN	BERRIDGE	
(D)	ALUMINUM FRAMING	CLEAR ANODIZED	ALCOA	
(E)	PAINT/E.I.S.S.	WEB GRAY SW 7075	SHERWIN WILLIAMS	ALT: DRYVIT CUSTOM COLOR VERI021030
(F)	PAINT/E.I.S.S.	MOUNTAIN FOG 132	DRYVIT	
(G)				



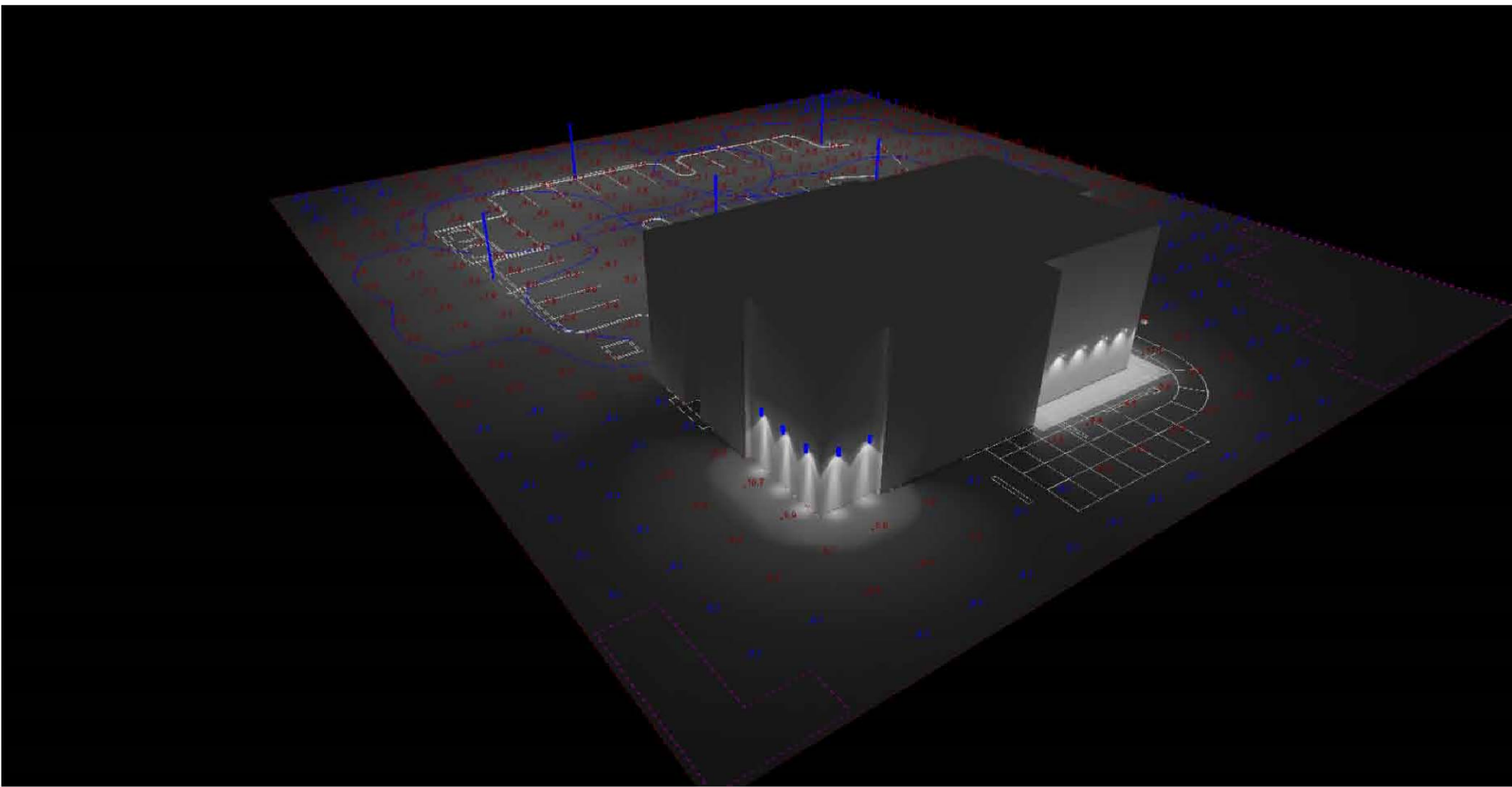
Plan View
Scale: 1" = 10'

Schedule:									
Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number of Lamps	File Name	Lumens per Lamp
	A	17	GE	25025 SAR-RND-LS	25025 SAR-RND-LS (13deg 13mm reflector)	LED	1	25025 SAR-RND-LS	25025
	B	7	GE	25025 SAR-RND-LS	25025 SAR-RND-LS (13deg 13mm reflector)	LED	1	25025 SAR-RND-LS	25025
	C	5	GE	25025 SAR-RND-LS	25025 SAR-RND-LS (13deg 13mm reflector)	LED	1	25025 SAR-RND-LS	25025

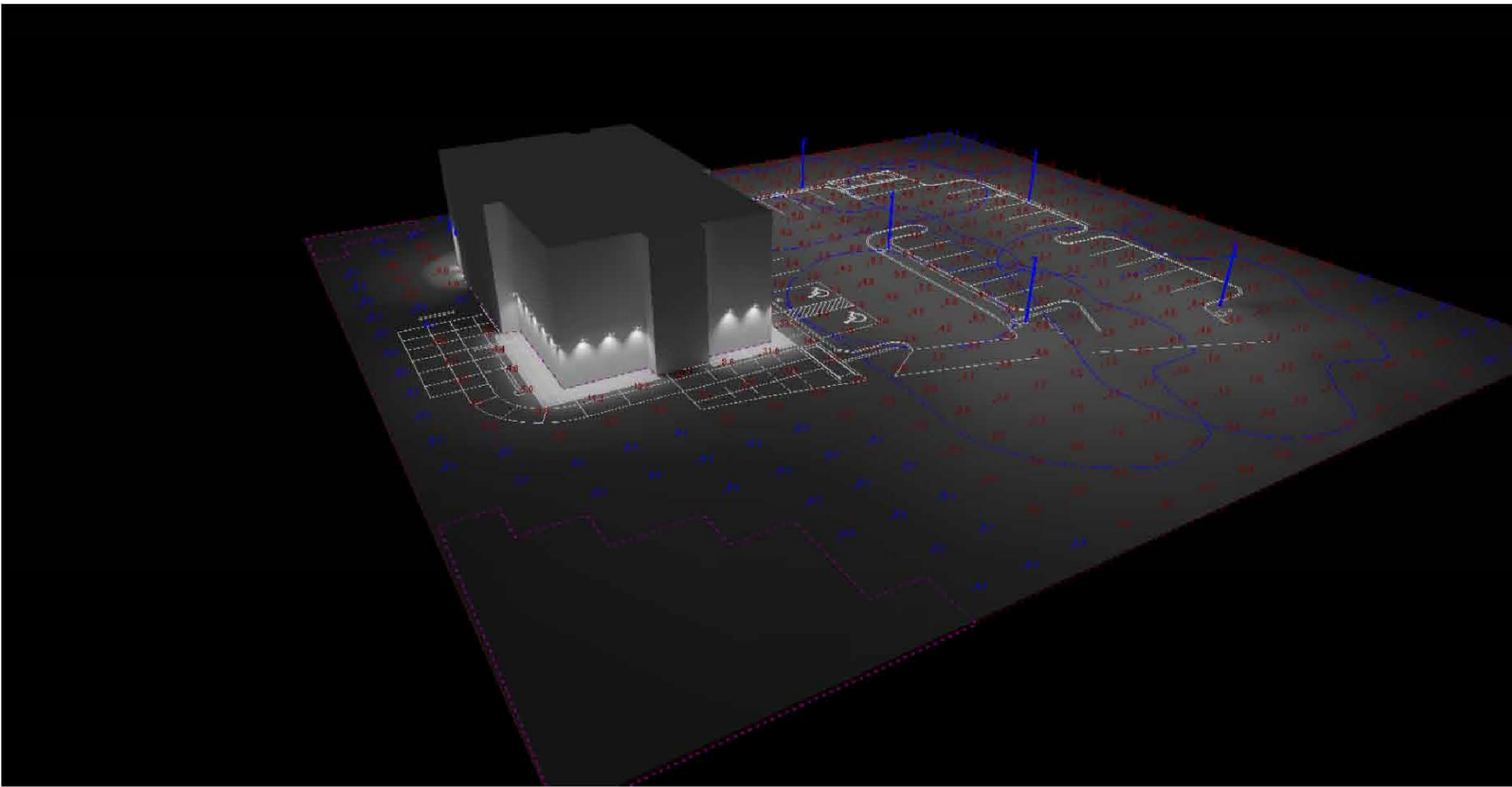
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE FC @ GRADE		2.3 fc	35.1 fc	0.1 fc	351.0:1	23.0:1



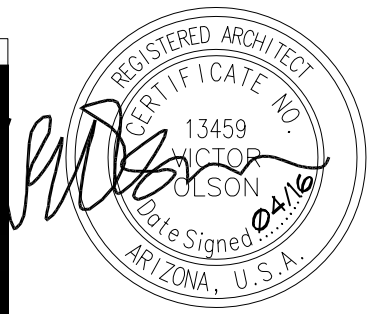
View #1



View #2



View #3



EXPIRES 12/31/2018

phoenix design group

VERIZON WIRELESS STORE
NEC ALMA SCHOOL ROAD AND GROVE AVE.

JOB NO.:
● FDG-1731
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● 1
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DRAWN BY:
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PH1



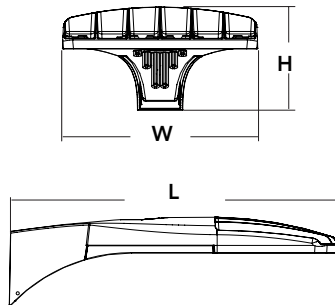
D-Series Size 0 LED Area Luminaire



d#series

Specifications

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



Catalog
Number

Notes

Type

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

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

DSX0 LED						
Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	Forward optics 20C 20 LEDs (one engine) 40C 40 LEDs (two engines) Rotated optics¹ 30C 30 LEDs (one engine)	530 530 mA 700 700 mA 1000 1000 mA (1 A) ²	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted ³	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control ² LCCO Left corner cutoff ² RCCO Right corner cutoff ²	MVOLT ⁴ 120 ⁴ 208 ⁴ 240 ⁴ 277 ⁴ 347 ⁵ 480 ⁵	Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor ⁶ RPUMBA Round pole universal mounting adaptor ⁶ Shipped separately⁷ KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)

Control options	Other options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (no controls) ⁸ PER5 Five-wire receptacle only (no controls) ^{8,9} PER7 Seven-wire receptacle only (no controls) ^{8,9} DMG 0-10V dimming driver (no controls) ¹⁰ DCR Dimmable and controllable via ROAM® (no controls) ¹¹ PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ¹² PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹²	Shipped installed HS House-side shield ¹⁶ SF Single fuse (120, 277, 347V) ¹⁷ DF Double fuse (208, 240, 480V) ¹⁷ L90 Left rotated optics ¹ R90 Right rotated optics ¹ DDL Diffused drop lens ¹⁶	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Controls & Shields

DL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁸
DL1347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁸
DL1480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁸
SC U	Shorting cap ¹⁸
DSX0HS 20C U	House-side shield for 20 LED unit ¹⁶
DSX0HS 30C U	House-side shield for 30 LED unit ¹⁶
DSX0HS 40C U	House-side shield for 40 LED unit ¹⁶
DSX0DDL U	Diffused drop lens (polycarbonate) ¹⁶
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁷

NOTES

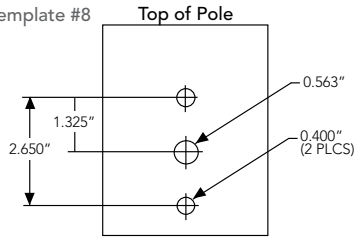
- 30 LEDs (30C option) and rotated options (L90 or R90) only available together.
- Not available with AMBPC.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (20C 530 or 30C 530). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANSI C136-31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.

- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR options PER5, PER7, BL30, BL50 or PNMT options.
- PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Requires an additional switched circuit.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.



Drilling

Template #8



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

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

Example: SSA 20 4C DM19AS DDBXD

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

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

**For round pole mounting (RPA) only.

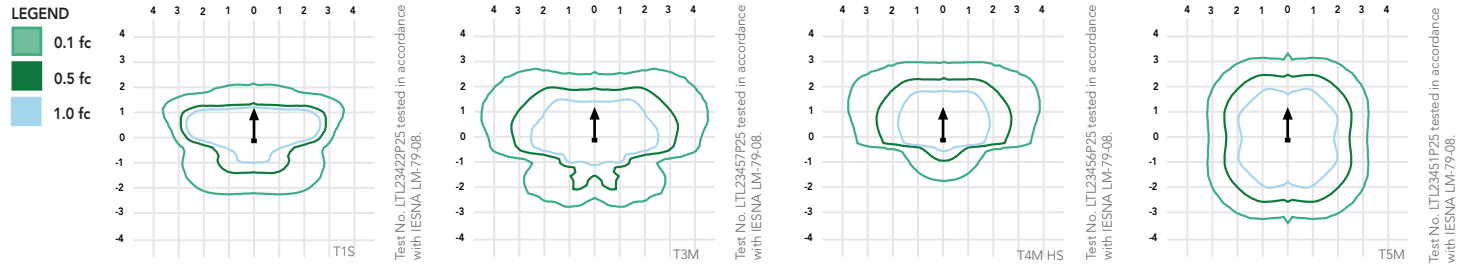
Tenon Mounting Slipfitter**

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

Photometric Diagrams

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

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



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

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

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
20C	530	35	0.34	0.22	0.21	0.20	--	--
	700	45	0.47	0.28	0.24	0.22	0.18	0.14
	1000	72	0.76	0.45	0.39	0.36	0.36	0.26
30C	530	52	0.51	0.31	0.28	0.25	--	--
	700	70	0.72	0.43	0.37	0.34	0.25	0.19
	1000	104	1.11	0.64	0.56	0.49	0.47	0.34
40C	530	68	0.71	0.41	0.36	0.33	0.25	0.19
	700	91	0.94	0.55	0.48	0.42	0.33	0.24
	1000	138	1.45	0.84	0.73	0.64	0.69	0.50

Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX0 LED 20C 1000			
	1	0.98	0.96	0.93
	DSX0 LED 40C 1000			
	1	0.98	0.95	0.90
	DSX0 LED 40C 700			
	1	0.99	0.99	0.99

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.

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	530 mA	35 W	T1S	4,079	1	0	1	117	4,380	1	0	1	125	4,408	1	0	1	126	2,541	1	0	1	73
			T2S	4,206	1	0	1	120	4,516	1	0	1	129	4,544	1	0	1	130	2,589	1	0	1	74
			T2M	4,109	1	0	1	117	4,413	1	0	1	126	4,440	1	0	1	127	2,539	1	0	1	73
			T3S	4,104	1	0	1	117	4,407	1	0	1	126	4,435	1	0	1	127	2,558	1	0	1	73
			T3M	4,142	1	0	1	118	4,447	1	0	1	127	4,475	1	0	1	128	2,583	1	0	1	74
			T4M	4,198	1	0	1	120	4,508	1	0	1	129	4,536	1	0	1	130	2,570	1	0	1	73
			TFTM	4,135	1	0	1	118	4,440	1	0	2	127	4,468	1	0	2	128	2,540	1	0	1	73
			TSVS	4,368	2	0	0	125	4,691	2	0	0	134	4,720	2	0	0	135	2,650	1	0	0	76
			TSS	4,401	2	0	2	126	4,725	2	0	0	135	4,755	2	0	0	136	2,690	1	0	0	77
			TSM	4,408	2	0	1	126	4,734	3	0	1	135	4,763	3	0	1	136	2,658	2	0	0	76
			TSW	4,344	3	0	1	124	4,664	3	0	1	133	4,693	3	0	1	134	2,663	2	0	1	76
			BLC	3,071	1	0	1	88	3,297	1	0	1	94	3,318	1	0	1	95					
			LCCO	2,983	1	0	1	85	3,204	1	0	1	92	3,224	1	0	1	92					
			RCCO	2,983	1	0	1	85	3,204	1	0	1	92	3,224	1	0	1	92					
	700 mA	45 W	T1S	5,181	1	0	1	115	5,563	1	0	1	124	5,598	1	0	1	124	3,144	1	0	1	70
			T2S	5,342	1	0	1	119	5,736	1	0	1	127	5,772	1	0	1	128	3,203	1	0	1	71
			T2M	5,219	1	0	1	116	5,605	1	0	1	125	5,640	1	0	1	125	3,141	1	0	1	70
			T3S	5,213	1	0	1	116	5,598	1	0	1	124	5,633	1	0	1	125	3,165	1	0	1	70
			T3M	5,260	1	0	1	117	5,649	1	0	2	126	5,684	1	0	2	126	3,196	1	0	1	71
			T4M	5,332	1	0	1	118	5,725	1	0	2	127	5,761	1	0	2	128	3,179	1	0	1	71
			TFTM	5,252	1	0	2	117	5,640	1	0	2	125	5,675	1	0	2	126	3,143	1	0	1	70
			TSVS	5,548	2	0	0	123	5,958	2	0	0	132	5,995	2	0	0	133	3,278	2	0	0	73
			TSS	5,589	2	0	0	124	6,002	2	0	0	133	6,039	2	0	0	134	3,328	2	0	0	74
			TSM	5,599	3	0	1	124	6,012	3	0	1	134	6,050	3	0	1	134	3,288	2	0	1	73
			TSW	5,517	3	0	1	123	5,924	3	0	1	132	5,961	3	0	1	132	3,295	2	0	1	73
			BLC	3,909	1	0	1	87	4,198	1	0	1	93	4,224	1	0	1	94					
			LCCO	3,798	1	0	1	84	4,078	1	0	1	91	4,104	1	0	1	91					
			RCCO	3,798	1	0	1	84	4,078	1	0	1	91	4,104	1	0	1	91					
	1000 mA	72 W	T1S	7,085	1	0	1	98	7,608	2	0	2	106	7,656	2	0	2	106					
			T2S	7,305	1	0	1	101	7,845	2	0	2	109	7,894	2	0	2	110					
			T2M	7,138	1	0	2	99	7,665	2	0	2	106	7,713	2	0	2	107					
			T3S	7,129	1	0	1	99	7,656	2	0	2	106	7,704	2	0	2	107					
			T3M	7,194	1	0	2	100	7,725	2	0	2	107	7,773	2	0	2	108					
			T4M	7,292	1	0	2	101	7,830	2	0	2	109	7,879	2	0	2	109					
			TFTM	7,183	1	0	2	100	7,713	1	0	2	107	7,761	1	0	2	108					
			TSVS	7,588	2	0	0	105	8,148	3	0	0	113	8,199	3	0	0	114					
			TSS	7,644	2	0	0	106	8,208	2	0	0	114	8,259	2	0	0	115					
			TSM	7,657	3	0	1	106	8,222	3	0	1	114	8,274	3	0	1	115					
			TSW	7,545	3	0	1	105	8,102	3	0	2	113	8,153	3	0	2	113					
			BLC	5,162	1	0	1	72	5,543	1	0	2	77	5,578	1	0	1	77					
			LCCO	5,015	1	0	2	70	5,386	1	0	2	75	5,419	1	0	2	75					
			RCCO	5,015	1	0	2	70	5,386	1	0	2	75	5,419	1	0	2	75					

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.

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	68 W	T1S	7,926	2	0	2	117	8,511	2	0	2	125	8,564	2	0	2	126	4,878	1	0	1	72
			T2S	8,172	2	0	2	120	8,775	2	0	2	129	8,830	2	0	2	130	4,969	1	0	1	73
			T2M	7,985	2	0	2	117	8,574	2	0	2	126	8,628	2	0	2	127	4,874	1	0	1	72
			T3S	7,975	1	0	2	117	8,564	2	0	2	126	8,617	2	0	2	127	4,910	1	0	1	72
			T3M	8,047	2	0	2	118	8,642	2	0	2	127	8,696	2	0	2	128	4,958	1	0	2	73
			T4M	8,157	1	0	2	120	8,759	2	0	2	129	8,813	2	0	2	130	4,932	1	0	2	73
			TFTM	8,035	1	0	2	118	8,628	2	0	2	127	8,682	2	0	2	128	4,876	1	0	2	72
			TSVS	8,488	2	0	0	125	9,115	3	0	0	134	9,172	3	0	0	135	5,086	2	0	0	75
			TSS	8,550	2	0	0	126	9,182	3	0	1	135	9,239	3	0	1	136	5,163	2	0	0	76
			TSM	8,565	3	0	1	126	9,198	3	0	2	135	9,255	3	0	2	136	5,102	3	0	1	75
			TSW	8,440	3	0	2	124	9,063	3	0	2	133	9,120	3	0	2	134	5,112	3	0	1	75
			BLC	6,142	1	0	2	90	6,595	1	0	2	97	6,636	1	0	2	98					
			LCCO	5,967	1	0	2	88	6,407	1	0	2	94	6,447	1	0	2	95					
			RCCO	5,967	1	0	2	88	6,407	1	0	2	94	6,447	1	0	2	95					
	700 mA	91 W	T1S	10,066	2	0	2	111	10,810	2	0	2	119	10,877	2	0	2	120	6,206	2	0	2	68
			T2S	10,379	2	0	2	114	11,145	2	0	2	122	11,215	2	0	2	123	6,322	2	0	2	69
			T2M	10,141	2	0	2	111	10,890	2	0	2	120	10,958	2	0	2	120	6,201	2	0	2	68
			T3S	10,129	2	0	2	111	10,877	2	0	2	120	10,945	2	0	2	120	6,247	1	0	2	69
			T3M	10,221	2	0	2	112	10,975	2	0	2	121	11,044	2	0	2	121	6,308	2	0	2	69
			T4M	10,359	2	0	2	114	11,124	2	0	2	122	11,194	2	0	2	123	6,275	1	0	2	69
			TFTM	10,205	2	0	2	112	10,958	2	0	3	120	11,027	2	0	3	121	6,203	1	0	2	68
			TSVS	10,781	3	0	0	118	11,576	3	0	1	127	11,649	3	0	1	128	6,569	2	0	0	72
			TSS	10,860	3	0	1	119	11,662	3	0	1	128	11,734	3	0	1	129	6,569	2	0	0	72
			TSM	10,879	3	0	2	120	11,682	3	0	2	128	11,755	3	0	2	129	6,491	3	0	1	71
			TSW	10,719	3	0	2	118	11,511	4	0	2	126	11,583	4	0	2	127	6,504	3	0	2	71
			BLC	7,819	1	0	2	86	8,396	1	0	2	92	8,448	1	0	2	93					
			LCCO	7,596	1	0	2	83	8,157	1	0	2	90	8,208	1	0	2	90					
			RCCO	7,596	1	0	2	83	8,157	1	0	2	90	8,208	1	0	2	90					
	1000 mA	138 W	T1S	13,767	2	0	2	100	14,783	3	0	3	107	14,876	3	0	3	108					
			T2S	14,194	2	0	2	103	15,242	3	0	3	110	15,338	3	0	3	111					
			T2M	13,869	2	0	2	101	14,893	3	0	3	108	14,986	3	0	3	109					
			T3S	13,852	2	0	2	100	14,875	2	0	2	108	14,968	2	0	2	108					
			T3M	13,978	2	0	2	101	15,010	3	0	3	109	15,104	3	0	3	109					
			T4M	14,168	2	0	2	103	15,214	3	0	3	110	15,309	3	0	3	111					
			TFTM	13,956	2	0	3	101	14,987	2	0	3	109	15,080	2	0	3	109					
			TSVS	14,744	3	0	1	107	15,832	3	0	1	115	15,931	4	0	1	115					
			TSS	14,852	3	0	1	108	15,948	3	0	1	116	16,048	3	0	1	116					
			TSM	14,878	4	0	2	108	15,976	4	0	2	116	16,076	4	0	2	116					
			TSW	14,660	4	0	2	106	15,742	4	0	2	114	15,840	4	0	2	115					
			BLC	10,325	1	0	2	75	11,087	1	0	2	80	11,156	1	0	2	81					
			LCCO	10,031	2	0	2	73	10,771	2	0	3	78	10,839	2	0	3	79					
			RCCO	10,031	2	0	2	73	10,771	2	0	3	78	10,839	2	0	3	79					

Performance Data

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	6,130	2	0	2	118	6,583	2	0	2	127	6,624	2	0	2	127	3,841	2	0	2	74
			T2S	6,321	2	0	2	122	6,787	2	0	2	131	6,830	3	0	3	131	3,912	2	0	2	75
			T2M	6,176	2	0	2	119	6,632	3	0	3	128	6,673	3	0	3	128	3,837	2	0	2	74
			T3S	6,168	2	0	2	119	6,624	3	0	3	127	6,665	3	0	3	128	3,866	2	0	2	74
			T3M	6,224	3	0	3	120	6,684	3	0	3	129	6,726	3	0	3	129	3,904	2	0	2	75
			T4M	6,309	3	0	3	121	6,775	3	0	3	130	6,817	3	0	3	131	3,884	2	0	2	75
			TFTM	6,215	3	0	3	120	6,673	3	0	3	128	6,715	3	0	3	129	3,839	2	0	2	74
			T5VS	6,565	2	0	0	126	7,050	2	0	0	136	7,094	2	0	0	136	4,005	2	0	0	77
			T5S	6,613	2	0	0	127	7,102	2	0	0	137	7,146	2	0	0	137	4,065	2	0	0	78
			T5M	6,625	3	0	1	127	7,114	3	0	1	137	7,159	3	0	1	138	4,017	2	0	1	77
			T5W	6,528	3	0	1	126	7,010	3	0	2	135	7,054	3	0	2	136	4,025	3	0	1	77
			BLC	4,747	2	0	2	91	5,098	2	0	2	98	5,130	2	0	2	99					
			LCCO	4,612	1	0	2	89	4,953	1	0	2	95	4,984	1	0	2	96					
			RCCO	4,612	1	0	2	89	4,953	1	0	2	95	4,984	1	0	2	96					
	700 mA	70 W	T1S	7,786	2	0	2	111	8,361	3	0	3	119	8,413	3	0	3	120	4,783	2	0	2	68
			T2S	8,028	2	0	2	115	8,620	3	0	3	123	8,674	3	0	3	124	4,873	2	0	2	70
			T2M	7,844	3	0	3	112	8,423	3	0	3	120	8,476	3	0	3	121	4,779	2	0	2	68
			T3S	7,834	3	0	3	112	8,413	3	0	3	120	8,465	3	0	3	121	4,815	2	0	2	69
			T3M	7,905	3	0	3	113	8,489	3	0	3	121	8,542	3	0	3	122	4,862	3	0	3	69
			T4M	8,013	3	0	3	114	8,604	3	0	3	123	8,658	3	0	3	124	4,837	3	0	3	69
			TFTM	7,893	3	0	3	113	8,476	3	0	3	121	8,529	3	0	3	122	4,781	3	0	3	68
			T5VS	8,338	2	0	0	119	8,954	3	0	0	128	9,010	3	0	0	129	4,988	2	0	0	71
			T5S	8,400	2	0	0	120	9,020	3	0	1	129	9,076	3	0	1	130	5,063	2	0	0	72
			T5M	8,414	3	0	1	120	9,036	3	0	2	129	9,092	3	0	2	130	5,003	3	0	1	71
			T5W	8,291	3	0	2	118	8,903	3	0	2	127	8,959	3	0	2	128	5,013	3	0	1	72
			BLC	6,044	2	0	2	86	6,490	3	0	3	93	6,530	3	0	3	93					
			LCCO	5,872	1	0	2	84	6,305	1	0	2	90	6,345	1	0	2	91					
			RCCO	5,872	1	0	2	84	6,305	1	0	2	90	6,345	1	0	2	91					
	1000 mA	104 W	T1S	10,648	3	0	3	102	11,434	3	0	3	110	11,506	3	0	3	111					
			T2S	10,979	3	0	3	106	11,789	3	0	3	113	11,863	3	0	3	114					
			T2M	10,727	3	0	3	103	11,519	3	0	3	111	11,591	3	0	3	111					
			T3S	10,714	3	0	3	103	11,505	3	0	3	111	11,577	3	0	3	111					
			T3M	10,812	3	0	3	104	11,610	4	0	4	112	11,682	4	0	4	112					
			T4M	10,958	3	0	3	105	11,767	3	0	3	113	11,841	3	0	3	114					
			TFTM	10,795	3	0	3	104	11,592	3	0	3	111	11,664	4	0	4	112					
			T5VS	11,404	3	0	0	110	12,245	3	0	1	118	12,322	3	0	1	118					
			T5S	11,487	3	0	1	110	12,336	3	0	1	119	12,413	3	0	1	119					
			T5M	11,508	3	0	2	111	12,357	4	0	2	119	12,434	4	0	2	120					
			T5W	11,339	4	0	2	109	12,176	4	0	2	117	12,252	4	0	2	118					
			BLC	7,981	3	0	3	77	8,570	3	0	3	82	8,624	3	0	3	83					
			LCCO	7754	1	0	2	75	8326	2	0	2	80	8378	2	0	2	81					
			RCCO	7754	1	0	2	75	8326	2	0	2	80	8378	2	0	2	81					

FEATURES & SPECIFICATIONS

INTENDED USE

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

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.8 ft²) for optimized pole wind loading.

FINISH

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

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of

100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

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

LISTINGS

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

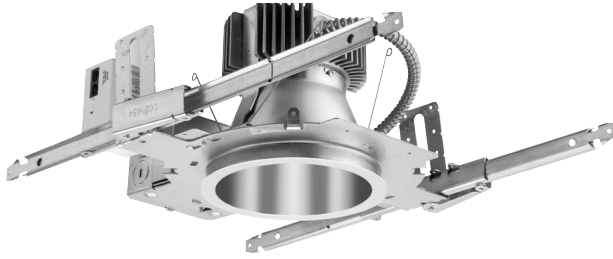
DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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





Gotham Architectural Downlighting
LED Downlights

**6" Evo®
Downlight**

Solid-State Lighting



FEATURES

OPTICAL SYSTEM

- Self-flanged or flangeless semi-specular, matte-diffuse or specular finishing trim
- Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
- 45° cutoff to source and source image
- Top-down flash characteristic
- Polycarbonate lens integral to light engine

MECHANICAL SYSTEM

- 16-gauge galvanized steel construction; maximum 1-1/2" ceiling thickness
- Telescopic mounting bars maximum of 32" and minimum of 15", preinstalled, 4" vertical adjustment
- Toolless adjustments post installation
- Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C
- Light engine and driver accessible through aperture
- Injection molded mud ring included with flangeless trims. Ships separately. Installs independently of the mounting frame to reduce cracks in plaster due to vibration.

ELECTRICAL SYSTEM

- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- Tested according to LM-79 and LM-80 standards
- Overload and short circuit protected
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional

LISTINGS

- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling

WARRANTY

- 5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

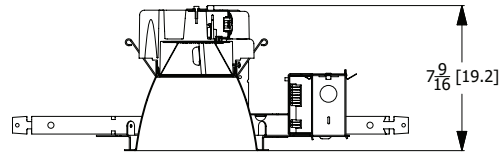
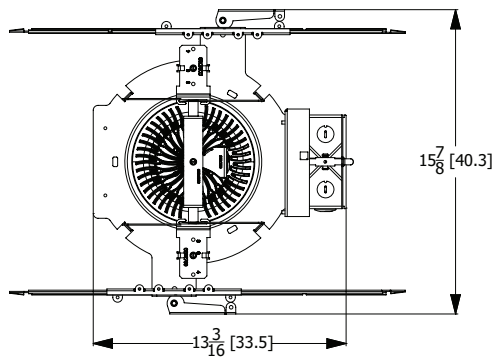
ORDERING INFORMATION

EXAMPLE: EVO 35/10 6AR MWD LSS MVOLT EZ1

Series	Color temperature		Nominal lumen values		Aperture/Trim color		Trim Style		Distribution		Finish		Voltage
EVO	27/	2700 K	10	1000 lumens	6AR	Clear	(blank)	Self-flanged	MD	Medium (0.9 s/mh)	LSS	Semi-specular	MVOLT 120 277 347 ²
	30/	3000 K	15	1500 lumens	6PR	Pewter	FL	Flangeless			LD	Matte-diffuse	
	35/	3500 K	20	2000 lumens	6WTR	Wheat			MWD	Medium wide (1.0 s/mh)	LS	Specular	
	40/	4000 K	25	2500 lumens	6GR	Gold							
			30	3000 lumens	6WR ¹	White			WD	Wide (1.2 s/mh)			
			35	3500 lumens	6BR ¹	Black							
			40	4000 lumens	6WRAMF ¹	White anti-microbial							
			45	4500 lumens									

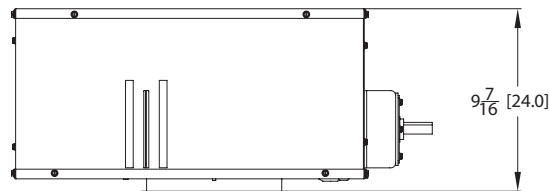
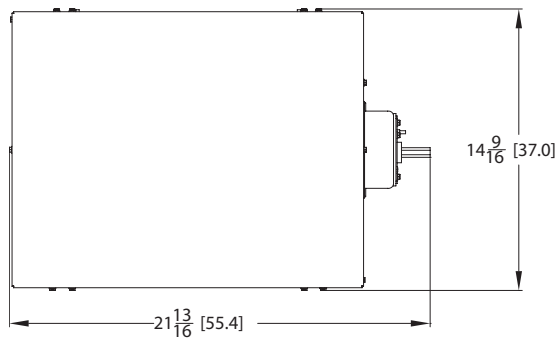
Driver ³	Options				
EZ10	eldoLED ECOdrive 0-10v dimming driver. Minimum dimming level 10%	SF	Single fuse. Specify 120V or 277V.	BGTD	Bodine generator transfer device. Specify 120V or 277V.
EZ1	eldoLED ECOdrive 0-10V dimming driver. Minimum dimming level 1%	TRW⁶	White painted flange	CR190	High CRI (90+)
EZB	eldoLED SOLOdrive 0-10V dimming driver. Minimum dimming level <1%.	TRBL⁷	Black painted flange	CP¹⁰	Chicago plenum. Specify 120V or 277V.
EDAB	eldoLED SOLOdrive DALI dimming driver. Minimum dimming level <1%.	EL⁸	Emergency battery pack with integral test switch	RRL	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature.
EDXB	eldoLED POWERdrive DMX with RDM (remote device management). Minimum dimming level <1%. Includes termination resistor. Refer to DMXR Manual .	ELR⁸	Emergency battery pack with remote test switch		
EXA1	XPoint Wireless, eldoLED ECOdrive 1% dimming, 0-10V. Refer to XPoint tech sheet.	NPS80EZ⁵	nLight® dimming pack controls 0-10V eldoLED drivers.		
EXAB	XPoint Wireless, eldoLED SOLOdrive <1% dimming, 0-10V. Refer to XPoint tech sheet.	NPS80EZER^{5,9}	nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.		
ECOS2^{4,5}	Lutron® Hi-Lume® 2-wire forward-phase dimming driver. Minimum dimming level 1%. Minimum lumen 1000/Maximum lumen 3000.				
ECOS3^{4,5}	Lutron® Hi-Lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%. Minimum lumen 1000/Maximum lumen 4500.				

All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 6-1/4" (15.9)
Ceiling Opening: 7-1/8" (18.1) self-flanged
7-1/4" (18.4) flangeless
Overlap trim: 7-1/2" (19.1)

DIMENSIONS FOR CHICAGO PLENUM



WATTAGE CONSUMPTION MATRIX			
LUMENS	LM ACTUAL	WATTAGE	LUMENS per WATT
1000	1,059	11.8	90.1
1500	1,572	18.5	85.0
2000	2,058	23.2	88.9
2500	2,612	29.5	88.5
3000	3,077	36.6	84.1
3500	3,591	42.1	85.3
4000	4,046	48.1	84.2
4500	4,555	46.9	97.1

EMERGENCY LUMEN OUTPUT		
LUMENS	WATTAGE	INITIAL OUTPUT
1000	9.6	1000
1500	9.6	1000
2000	9.6	1000
2500	9.6	1000
3000	9.6	1000
3500	9.6	1000
4000	9.6	1000
4500	9.6	1000

ACCESSORIES order as separate catalog numbers (shipped separately)

SCA6	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D. Refer to TECH-190 .
CTA4-8 YK	Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5"). Adds ~4" to fixture height.
GVRT	Vandal-resistant trim accessory. Refer to TECH-200 .
ISD BC	0-10V wallbox dimmer. Refer to ISD-BC .

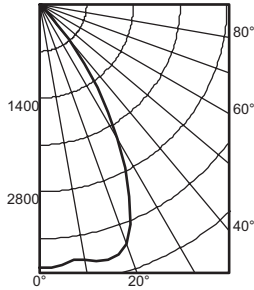
ORDERING NOTES

- Not available with finishes.
- Not available with EL or ELR options.
- Refer to [TECH-240](#) for compatible dimmers.
- Not available with nLight[®] and XPoint options.
- Specify voltage. ECOS2 not available in 277V.
- Not available with white reflector. Not applicable with FL option.
- Not available with black reflector. Not applicable with FL option.
- For dimensional changes, refer to [TECH-140](#). Not available with 347V.
- For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- ELR not available. CP & ECOS2 - 3000 lumen max. CP & ECOS3 - 4000 lumen max. CP, ECOS2/ECOS3 & EL - 2000 lumen max.

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance: Single Luminaire 30" Above Floor
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EVO 35/40 6AR LS

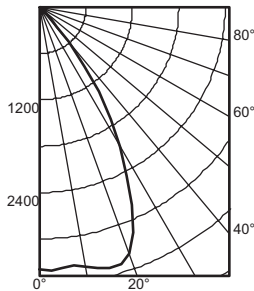
INPUT WATTS: 48.1, DELIVERED LUMENS: 4046, LM/W=84.1 , 1.03 S/MH, TEST NO. LTL27768



Ave	Lumens	Zone	Lumens	% Lamp	pf	pc	pw	80%	20%	50%
0	3935	0° - 30°	2904.3	71.8	0	119	119	119	116	116
5	3901	0° - 40°	3830.0	94.7	1	111	108	106	109	106
15	3944	0° - 60°	4043.4	99.9	2	103	99	96	101	98
25	3172	0° - 90°	4046.3	100.0	3	96	91	87	95	90
35	1508	90° - 180°	0.0	0.0	4	90	84	80	89	84
45	221	0° - 180°	4046.3	*100.0	5	84	78	74	83	78
55	6				6	79	73	69	78	73
65	2				7	74	68	64	73	68
75	1				8	70	64	60	69	63
85	0				9	66	60	56	65	60
90	0				10	62	56	52	62	56

EVO 35/35 6AR LS

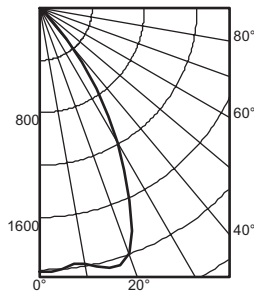
INPUT WATTS: 42.1, DELIVERED LUMENS: 3591, LM/W=85.3, 1.05 S/MH, TEST NO. LTL27767



Ave	Lumens	Zone	Lumens	% Lamp	pf	pc	pw	80%	20%	50%
0	3400	0° - 30°	2579.3	71.8	0	119	119	119	116	116
5	3390	0° - 40°	3399.8	94.7	1	111	108	106	109	106
15	3497	0° - 60°	3586.3	99.9	2	103	99	96	101	98
25	2830	0° - 90°	3590.5	100.0	3	96	91	87	95	90
35	1335	90° - 180°	0.0	0.0	4	90	84	80	89	84
45	193	0° - 180°	3590.5	*100.0	5	84	78	74	83	78
55	5				6	79	73	69	78	73
65	2				7	74	68	64	73	68
75	1				8	70	64	60	69	63
85	1				9	66	60	56	65	60
90	1				10	62	56	52	62	56

EVO 35/20 6AR LS

INPUT WATTS: 23.2, DELIVERED LUMENS: 2058, LM/W=88.7, 1.02 S/MH, TEST NO. LTL27777



Ave	Lumens	Zone	Lumens	% Lamp	pf	pc	pw	80%	20%	50%
0	2018	0° - 30°	1498.5	72.8	0	119	119	119	116	116
5	1997	0° - 40°	1958.0	95.1	1	111	108	106	109	107
15	2053	0° - 60°	2056.6	99.9	2	103	99	96	102	98
25	1618	0° - 90°	2058.3	100.0	3	96	92	88	95	91
35	749	90° - 180°	0.0	0.0	4	90	85	81	89	84
45	105	0° - 180°	2058.3	*100.0	5	84	79	74	83	78
55	3				6	79	73	69	78	73
65	1				7	74	68	64	73	68
75	0				8	70	64	60	69	63
85	0				9	66	60	56	65	60
90	0				10	62	57	53	62	56

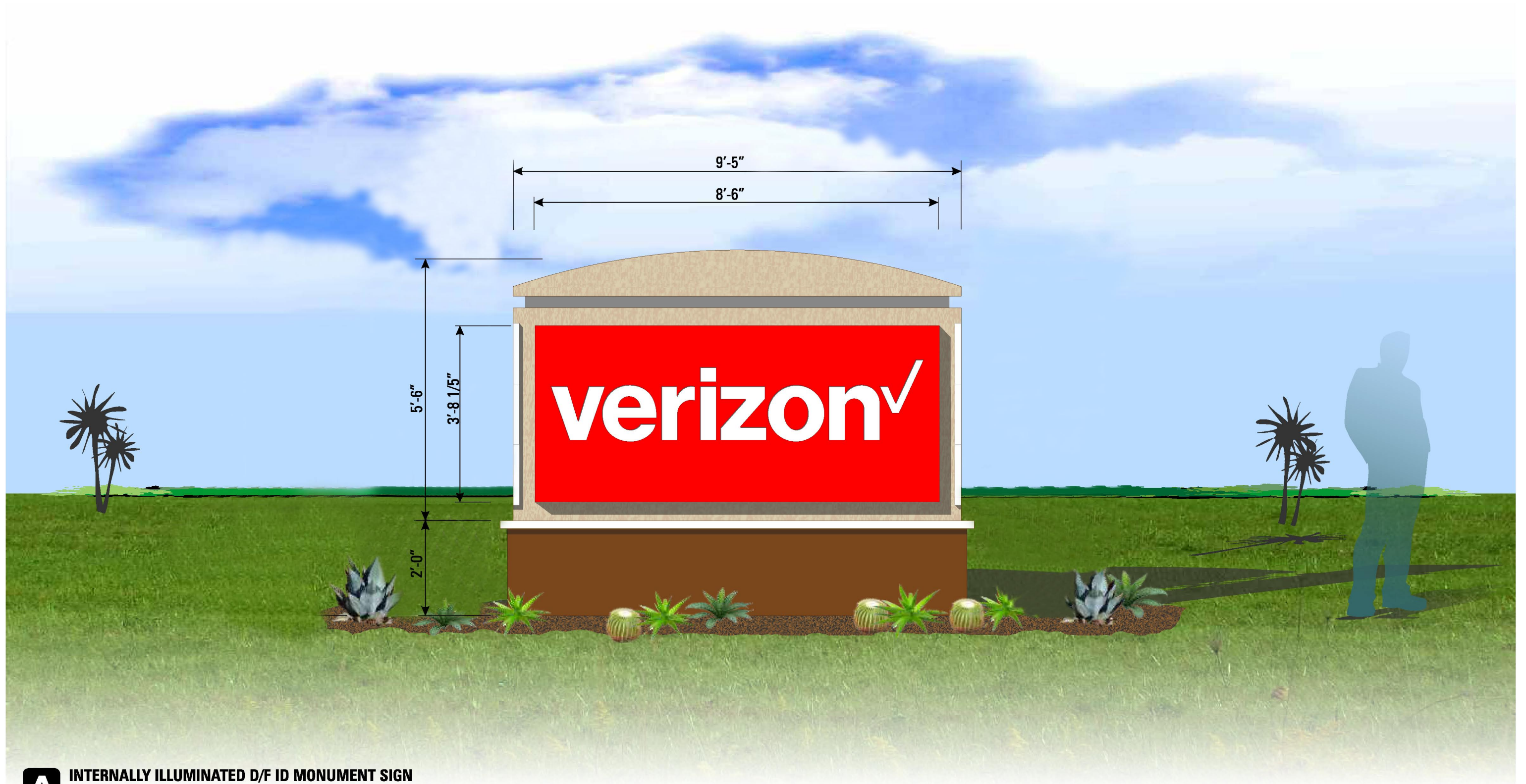
LUMEN OUTPUT MULTIPLIER - CRI	
CRI	FACTOR
80 CRI	1
90 CRI	0.79

LUMEN OUTPUT MULTIPLIER - CCT	
CRI	FACTOR
4000 K	1.035
3500 K	1
3000 K	0.973
2700 K	0.938

LUMEN OUTPUT MULTIPLIER - TRIM FINISH						
FINISH	CLEAR (AR)	PEWTER (PR)	WHEAT (WTR)	GOLD (GR)	WHITE (WR/WRAMF)	BLACK (BR)
Specular (LS)	1.00	0.88	0.83	0.95	N/A	N/A
Semi-specular (LSS)	0.95	0.84	0.79	0.90	N/A	N/A
Matte-diffuse (LD)	0.85	0.73	0.69	0.80	N/A	N/A
Paint	N/A	N/A	N/A	N/A	0.87	0.73

PHOTOMETRY NOTES

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 85 typical.



A INTERNALLY ILLUMINATED D/F ID MONUMENT SIGN

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

Id cabinet is 5" deep. Routed and backed w/ white acrylic. Painted Verizon red. Semi gloss finish.

Column caps, wrap decor, reveals and base have a painted semi gloss finish.

Main body of cabinet and columns have a medium textured finish.

Choose Wall Controls.

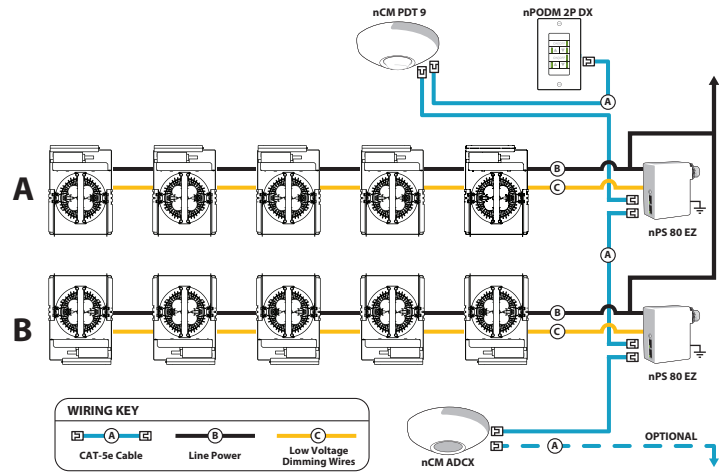
nLIGHT offers multiple styles of wall controls – each with varying features and user experience.



Push-Button WallPod
Traditional tactile buttons and LED user feedback



Graphic WallPod
Full color touch screen provides a sophisticated look and feel



EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

nPS 80 EZ Dimming/Control Pack (qty 2 required)

nPODM 2P DX Dual On/Off/Dim Push-Button WallPod

nCM ADCX Daylight Sensor with Automatic Dimming Control

nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.

nLight® Control Accessories:

Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight controls.

WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model number	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model number
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1