



# DEVELOPMENT APPLICATION

City of Rockwall  
Planning and Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087

STAFF USE ONLY

PLANNING & ZONING CASE NO. \_\_\_\_\_

**NOTE:** THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING: \_\_\_\_\_

CITY ENGINEER: \_\_\_\_\_

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST [SELECT ONLY ONE BOX]:

**PLATTING APPLICATION FEES:**

- MASTER PLAT (\$500.00 + \$20.00 ACRE) <sup>1</sup>
- PRELIMINARY PLAT (\$500.00 + \$20.00 ACRE) <sup>1</sup>
- FINAL PLAT (\$500.00 + \$20.00 ACRE) <sup>1</sup>
- REPLAT (\$500.00 + \$20.00 ACRE) <sup>1&3</sup>
- AMENDING OR MINOR PLAT (\$500.00)
- PLAT REINSTATEMENT REQUEST (\$200.00)

**SITE PLAN APPLICATION FEES:**

- SITE PLAN (\$1,000.00 + \$20.00 ACRE) <sup>1&2</sup>
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$500.00) <sup>2</sup>

**OTHER APPLICATION FEES:**

- TREE REMOVAL (\$200.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS [RESIDENTIAL] (\$200.00) <sup>2</sup>
- VARIANCE REQUEST/SPECIAL EXCEPTIONS [COMMERCIAL] (\$1,000.00) <sup>2</sup>

**ZONING APPLICATION FEES:**

- ZONING CHANGE (\$1,000.00 + \$20.00 ACRE) <sup>1&3</sup>
- SPECIFIC USE PERMIT [RESIDENTIAL] (\$200.00 + \$20.00 ACRE) <sup>1,2&3</sup>
- SPECIFIC USE PERMIT [COMMERCIAL] (\$1,000.00 + \$20.00 ACRE) <sup>1,2&3</sup>
- PLANNED DEVELOPMENT DISTRICT (\$1,500.00 + \$20.00 ACRE) <sup>1&3</sup>
- PD DEVELOPMENT PLANS (\$1,500.00 + \$20.00 ACRE) <sup>1&3</sup>

**NOTES:**

<sup>1</sup>: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.

<sup>2</sup>: A **\$2,500.00** FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

<sup>3</sup>: AN ADDITIONAL FEE OF **\$150.00** WILL BE REQUIRED FOR THE COST OF NOTIFICATIONS.

### PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS 2200 Ridge Road, Rockwall TX 75087

SUBDIVISION Sky Ridge Addition

LOT 8

BLOCK A

GENERAL LOCATION NW of YellowJacket & Ridge Road Intersection

### ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING Commercial District

CURRENT USE Non

PROPOSED ZONING

PROPOSED USE Nail Salon & General Retail

ACREAGE 0.976

LOTS [CURRENT] 1

LOTS [PROPOSED] 1

**SITE PLANS AND PLATS:** BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

### OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

OWNER Beauty Legacy, LLC

APPLICANT B+A Architecture LLC

CONTACT PERSON Lien Nguyen *Kim Lien Thi Nguyen*

CONTACT PERSON Thong Thai

ADDRESS [REDACTED]  
CITY, STATE & ZIP [REDACTED]  
PHONE [REDACTED]  
E-MAIL [REDACTED]

ADDRESS [REDACTED]  
CITY, STATE & ZIP [REDACTED]  
PHONE [REDACTED]  
E-MAIL [REDACTED]

### NOTARY VERIFICATION [REQUIRED]

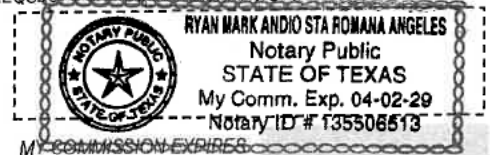
BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED KIM LIEN THI NGUYEN [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ NA TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE NA DAY OF NA 2026. BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 13<sup>th</sup> DAY OF MAY 2026.

OWNER'S SIGNATURE *[Signature]*

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS *[Signature]*





SP2026-015: Site Plan for 2200 Ridge Road



Case Location Map =



# City of Rockwall

Planning & Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087  
(P): (972) 771-7745  
(W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





Monday, May 11<sup>th</sup>, 2026

**Henry Lee, AICP**  
Senior Planner  
Planning & Zoning Department  
City of Rockwall, TX  
385 S. Goliad Street, Rockwall, TX 75087

Project name: **SkyRidge Retail Building**  
Previous Submittal Case: SP2025-042

Mr. Lee

We are writing to respond to the comments from the Plan Review dated March 03, 2026. Our responses are in the same order as presented in the review.

**SP2025-042; Site Plan for 2200 Ridge Road**

Please address the following comments (*M= Mandatory Comments; I = Informational Comments*)

M.1 Please provide a material sample board before the March 10, 2026 Architecture Review Board meeting. (*Subsection 03.04. B, of Article 11, UDC*)

Henry Nguyen Consulting's response: We provided the material sample board on March 10, 2026. There is no new building materials to be used in the new submittal, please accept the previous sample board which you still have at your office.

M.2 Site Plan.

(1) Please update the parking table, as 32 parking spaces are required and 32 parking spaces have been provided. (*Subsection 03.04. B, of Article 11, UDC*)

Henry Nguyen Consulting's response: Parking table has been updated showing 32 parking spaces.

(2) The dumpster must utilize the same brick that is used on the building. (*Subsection 01.05. B, of Article 05, UDC*)

Henry Nguyen Consulting's response: Detail notes have been updated stating dumpster must use the same brick as building.

M.3 Landscape Plan.

- (1) Provide the same site data information required in Section 2.1 Site Plan: Miscellaneous and Density and Dimensional Requirements of this checklist. (See Sec. 2.1 of the checklist)

Henry Nguyen Consulting's response: Same site data information required in Section 2.1 has been provided on the site plan.

- (2) Per the *General Overlay District Standards*, there must be a row of canopy trees at the rear of the subject property. (*Subsection 06.02, of Article 05, UDC*) **Variance requested.**

Henry Nguyen Consulting's response: A row of trees at the rear of the property was added.

- (3) All head in parking adjacent to a roadway is required to provide headlight screening. **Variance requested.**

Henry Nguyen Consulting's response: A 3' wall was added to provide headlight screening.

M.4 Photometric Plan

- (1) Provide the same site data information required in Section 2.1 Site Plan: Miscellaneous and Density and Dimensional Requirements of this checklist. (See Sec. 2.1 of the checklist)

B+A Architecture's response: Same site data information required in Section 2.1 has been provided on the photometric plan.

- (2) Light levels shall not be greater than 0.2 FC at all property lines. Please correct the photometric plan to address this requirement. (*Subsection 03.03, of Article 07, UDC*) **Variance requested.**

B+A Architecture's response: We have revised the photometric plan to show that light levels are less than 0.2 FC at all property lines. Please see attached revised site photometric plan.

M.5 Building Elevations

- (1) Please crosshatch the RTUs on the elevations. The RTUs must be fully screened by the parapet. Please pay attention to this due the building being lower than the road. (*Subsection 01.05.C, of Article 05, UDC*) Staff believes that the RTUs will be visible from ridge road because of the elevation change. Based on this staff has added a condition of approval that will require louvers if they are visible.

B+A Architecture's response: Acknowledged. We added a note that the RTUs will be screening if it is visible from the Ridge Road.

- (2) Please indicate the architectural elements on the building. Each building is required to incorporate four (4) architectural elements. (*Subsection 06.02, of Article 05, UDC*) Currently there are three (3) architectural elements being: canopies, display windows, articulated cornice. This will be a variance.

B+A Architecture's response: The building is designed to provide architectural elements including (1) canopies/awnings, (2) display windows, (3) articulated cornice, and (4) projected/recessed wall, and varied roof height.

- (3) Where is the stacked stone (*Bighorn*) going on the building? It is indicated on the material schedule.

B+A Architecture's response: Bighorn is no longer used in this project.

- (4) The subject property is located within the Scenic Overlay District and is required to provide primary articulation on each façade. In this case, the proposed building elevations do not meet any of the primary articulation standards. (*Subsection 04.01, of Article 05, UDC*) Variance requested.
1. Height = 20.67'; In Conformance
  2. Wall Length = In Conformance
  3. Secondary entryway/architectural element length = Non-Conforming; The North facade does not have projecting elements
  4. Wall Projection = 5.25' minimum; Non-Conforming; All sides of the building
  5. Primary and/or secondary entryway/architectural element width = Non-Conforming; This cannot be confirmed given that the returns for the vertical projections are not shown
  6. Projection Height = 5.25' minimum; In Conformance
  7. Primary entryway/architectural element length = Non-Conforming; They must be at a minimum double the width of the secondary entryways/architectural elements

B+A Architecture's response:

The proposed building has been designed with an irregular configuration, resulting in six distinct façade sides. This geometry is a direct response to the unique constraints and conditions of the site and its surrounding context.

We acknowledge the review comments M.10.7 and M.10.9 regarding the requirement to provide primary articulation on all building elevations. Due to the building's irregular form, achieving full compliance with all primary façade articulation standards on every elevation presents significant design challenges.

In this resubmittal, we have revised the building elevations to ensure that the primary façades comply with the majority of the Primary Building Façade standards. The remaining façades have been designed to maintain consistency in materials, detailing, and architectural features in accordance with Subsection 06.01-C.(5), which requires four-sided architectural treatment.

While these secondary façades may not incorporate all seven primary façade articulation elements, they are designed to provide a cohesive and high-quality architectural expression consistent with the intent of the ordinance.

Based on these considerations, we respectfully request a variance for the building elevations, as the current design meets the overall intent of the code while responding appropriately to the site-specific constraints.

M.6 Given that there are remaining comments on the site plan, landscape plan, photometric plan, and the building elevations, staff has included conditions of approval that require these items to be corrected before the civil plans may be submit.

M.7 At this time staff has identified six (6) variances, which will require 14 compensatory measures.

1. Landscape Buffer encroachment
2. Rear Yard tree planting requirements
3. Less than four (4) architectural elements
4. Primary Articulation on all sides of the building
5. Headlight Screening
6. Light Levels Greater than 0.2 FC at Property Line

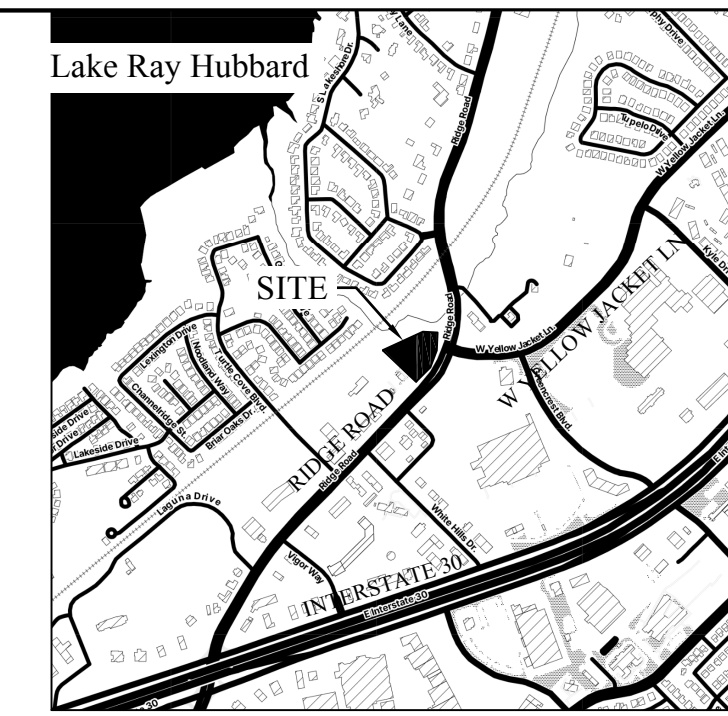
B+A Architecture's response: At this time of the submittal, we are only requesting for (1) variance of the #4 - Primary Articulation on all sides of the building

Please contact me if you have any additional questions or comments.

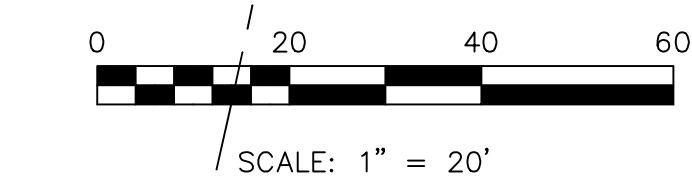
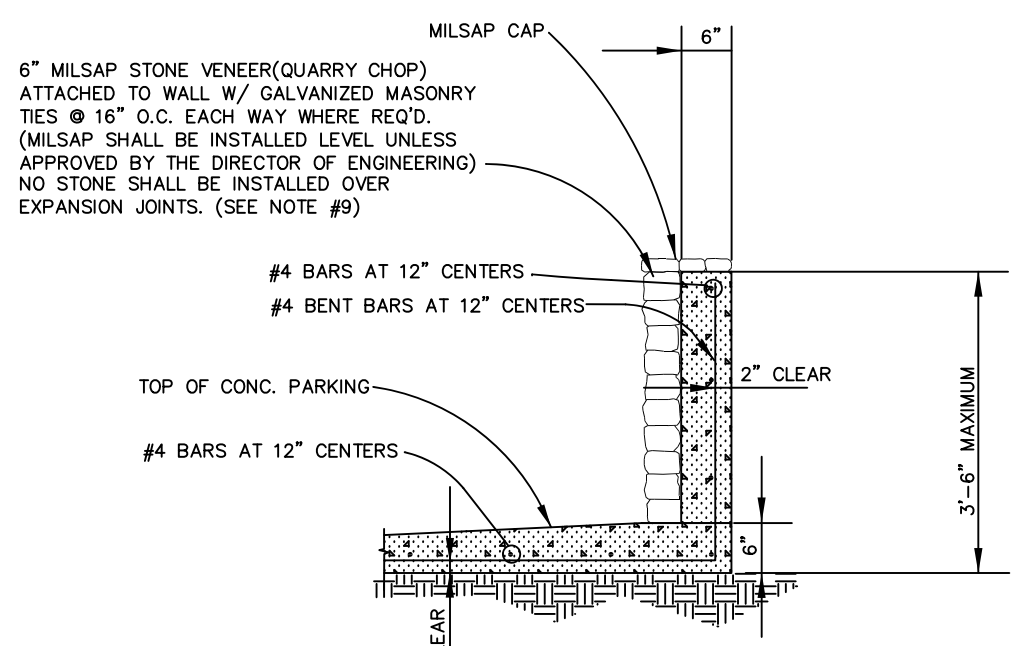
Sincerely,

Thong Thai  
Managing Partner, RA

B+A Architecture LLC  
TX Registration No. BR 4706



Henry Nguyen Consulting, LLC  
 Civil Engineering  
 1330 Glenfield Ave, Dallas, Texas 75224  
 (214) 773-4075 Email: hnguyen@swbell.net  
 Texas Registered Engineering Firm F-16239



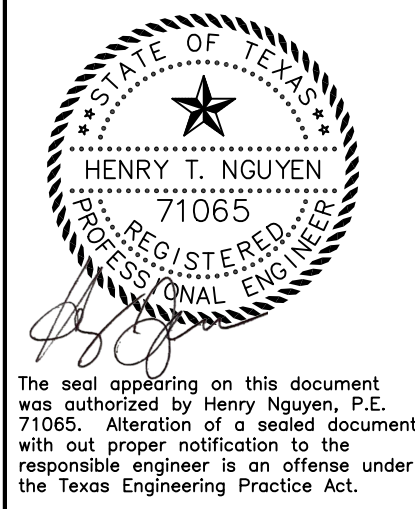
SITE DATA

LOT AREA	42,512 SF
BUILDING HEIGHT	1 STORIES, 30'
BUILDING AREA	7,837 SF
FLOOR AREA RATIO	0.1844
TOTAL IMPERVIOUS AREA	30,086 SF (71% COVERAGE)
LANDSCAPE AREA	12,426 SF (29% COVERAGE)
EXISTING ZONING	C - COMMERCIAL DISTRICT
PROPOSED USAGE	NAIL SALON AND RETAILS
REQUIRED PARKING	1 parking space/250 sf (7837 x 1/250=32 required)
PROVIDED PARKING	32 SPACES

REVISIONS	Date	Description

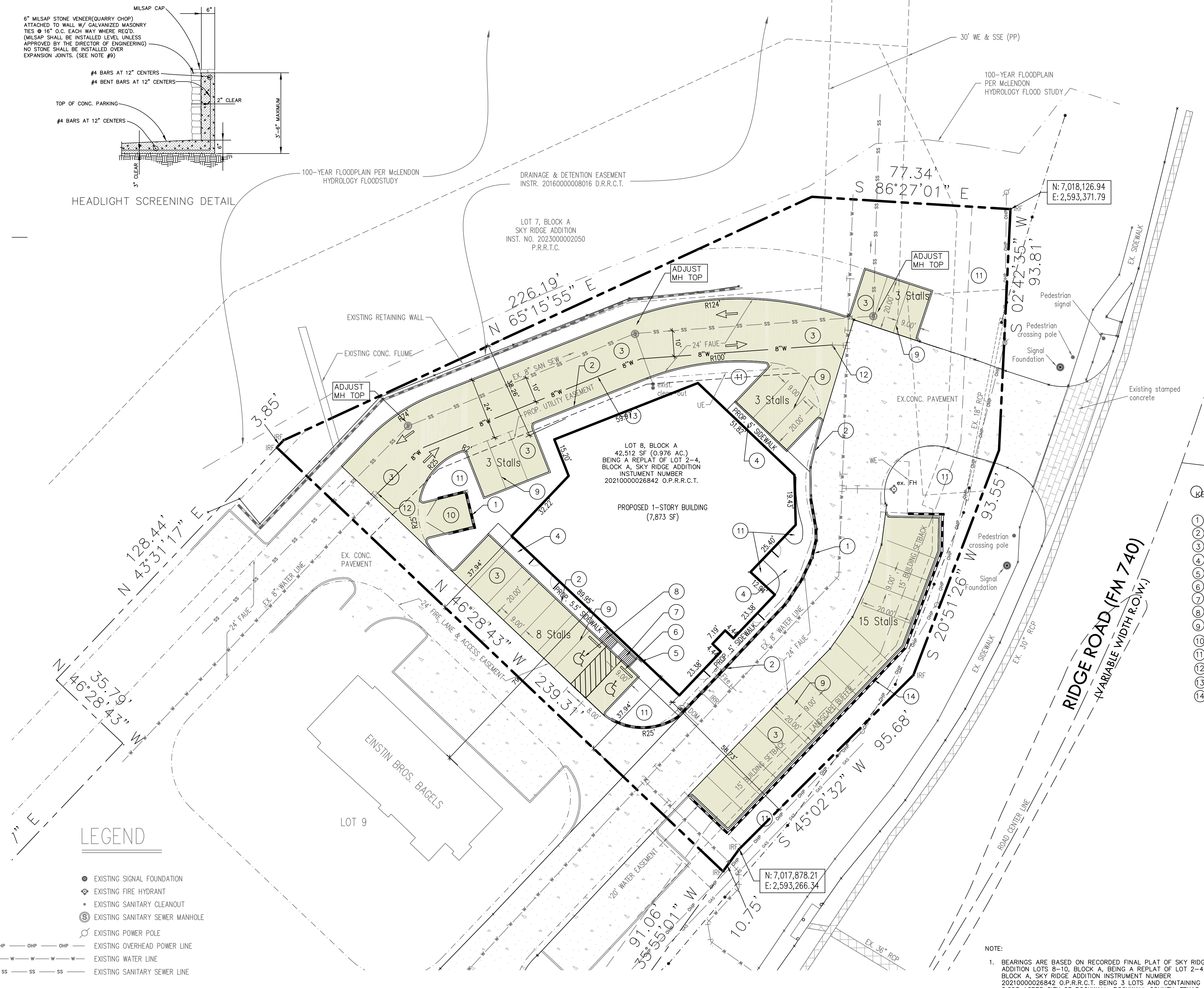
**SKYRIDGE RETAIL BUILDING**  
 2200 RIDGE ROAD  
 ROCKWALL, TEXAS 75087

DESIGN	HNC
DRAWN	HNC
DATE	05/08/2026
Job#:	25001



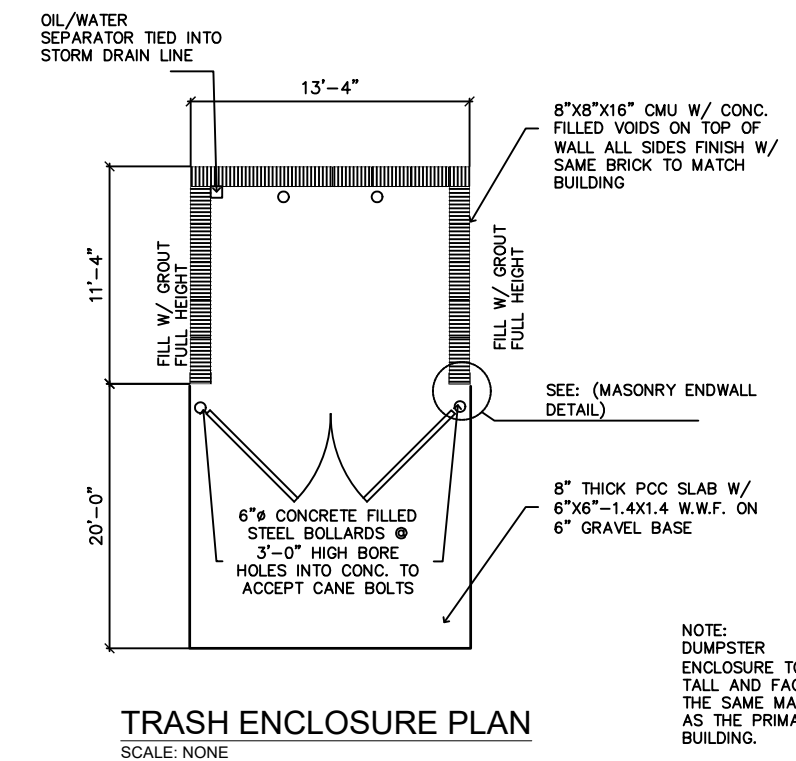
The seal appearing on this document was authorized by Henry Nguyen, P.E. 71065. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

**SITE PLAN**  
 CI

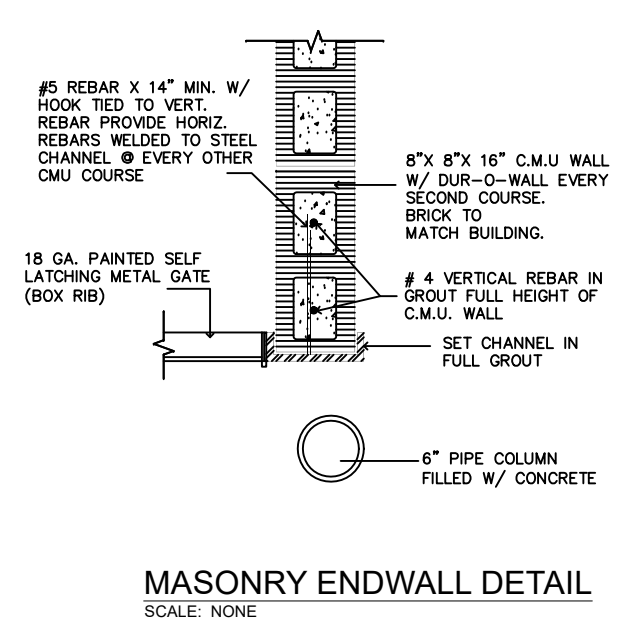


**YELLOW JACKET LANE**  
 (90' R.O.W.)

- KEYNOTES
- CONSTRUCT RETAINING WALL
  - CONSTRUCT MONOLITHIC CONCRETE CURB
  - CONSTRUCT 6" THICK PORTLAND CEMENT CONCRETE PAVEMENT PER PAVING PLAN
  - CONSTRUCT 4" THICK CONCRETE SIDEWALK
  - INSTALL HANDICAP SIGN
  - INSTALL PRECAST CONCRETE WHEELSTOPS
  - CONSTRUCT STANDARD ADA RAMP
  - PAINT HANDICAP SYMOL - WHITE ON BLUE BACKGROUND
  - PAINT 4" SOLID STRIPE - WHITE
  - CONSTRUCT 8" THICK PCC SLAB TRASH ENCLOSURE W/OIL/WATER SEPARATOR CONNECTED TO STORM
  - LANDSCAPE AREA
  - REMOVE PLUG AND CONNECT PROP. 8" WATER LINE TO EX. 8" WATER LINE
  - INSTALL 8" WATER LINE
  - CONSTRUCT RETAINING WALL WITH HEADLIGHT SCREENING



TRASH ENCLOSURE PLAN  
 SCALE: NONE



MASONRY ENDWALL DETAIL  
 SCALE: NONE

**DUMPSTER ENCLOSURE DETAIL**

- NOTE:
- BEARINGS ARE BASED ON RECORDED FINAL PLAT OF SKY RIDGE ADDITION LOTS 8-10, BLOCK A, BEING A REPLAT OF LOT 2-4, BLOCK A, SKY RIDGE ADDITION INSTRUMENT NUMBER 20210000026842 O.P.R.R.C.T. BEING 3 LOTS AND CONTAINING 2.293 ACRES CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS.
  - EASEMENTS AND SETBACKS SHOWN HEREON ARE BASED ON RECORDED PLAT (CASE NO. P2023-005) UNLESS OTHERWISE NOTED.
  - UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
  - ALL DIMENSIONS ARE TO FACE OF CURB.
  - THERE SHALL BE NO ABOVE GROUND STORAGE TANKS OR OUTSIDE STORAGE, WHICH INCLUDES VEHICLES.

APPROVED:  
 I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_\_ day of \_\_\_\_.

WITNESS OUR HANDS, this \_\_\_\_ day of \_\_\_\_.

\_\_\_\_\_  
 Planning & Zoning Commission, Chairman

\_\_\_\_\_  
 Director of Planning and Zoning

May 08, 2026, 3:20pm, hnguyen  
 C:\Users\hnguyen\OneDrive\Henry Nguyen - Consulting\Projects\Active\25001-SKY RIDGE ADDITION\18-SHEET\SETS\C3-SITE PLAN.dwg

**GENERAL NOTES**

1. EXTERIOR COLORS ARE INDICATED BY MATERIAL MANUFACTURERS
2. ALL EXTERIOR MATERIAL TRANSITION, SILLS AND HEADERS WHICH ARE NOT CALLED OUT, MATCH TO WALL TRIM COLOR
3. ROOF TOP UNITS (RTUs) TO BE SCREENED FROM VIEWS BY LOUVERED SCREENS IF IT IS VISIBLE FROM THE ROAD.
4. INSTALL ALL ROOF PENETRATIONS AND EQUIPMENT (IE VERT PIPES, ROOF VENTILATORS) ON THE REAR SIDE OF THE ROOF, TO THE GREATEST EXTENT POSSIBLE



STONE VENEER  
LEDGESTONE STYLE  
WINDSOR PEWTER  
LEDGE



STONE VENEER  
THIN BRICK  
DESERT GRAY



ACM PANEL  
ALUCOBOND  
STATUARY BRONZE

**EXTERIOR FINISHING SCHEDULE**

NO.	MATERIAL/ITEMS	DESCRIPTION	COLOR/FINISH
1	STONE VENEER	ALAMO STONE - LEDGESTONE	WINDSOR PEWTER LEDGE
2	STACKED STONE	OLD COUNTRY OR EQUAL	BIGHORN
3	STONE VENEER	PACIFIC CLAY PRODUCTS	THIN BRICK - DESERT GRAY
4	METAL PANEL	ALUCOBOND ACM OR EQUAL	STATUARY BRONZE
5	WINDOWS (STOREFRONT)	PELLA ARCHITECT SERIES OR EQUAL	METAL - MATTE BLACK
6	EXTERIOR DOORS	ALUMINUM, PAINTED	METAL - MATTE BLACK
7	FASCIA	METAL, PAINTED	METAL - IRON ORE

**KEYNOTES**

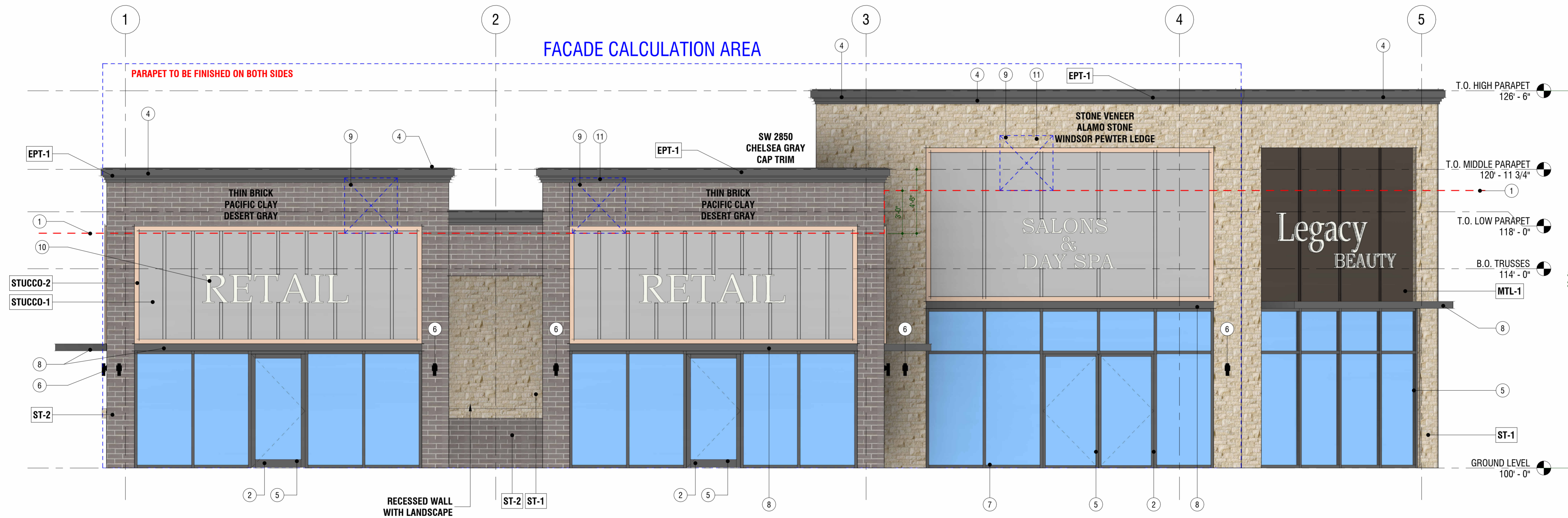
1	LINE OF ROOF BEYOND
2	TENANT MAIN ENTRY
3	STONE VENEER. INSTALL PER MANUFACTURER SPECIFICATIONS
4	CORNICE LINE TO BE PAINTED EPT-1 GRAY
5	ANODIZED ALUMINUM STORE FRONT SYSTEM DOOR AND GLAZING
6	EXTERIOR LIGHTING
7	BREAK METAL TO MATCH STOREFRONT SYSTEM
8	METAL AWING. INSTALL PER MANUFACTURER SPECIFICATIONS
9	RTU/HVAC SYSTEM. INSTALL PER MANUFACTURER SPECIFICATIONS
10	SIGNAGE. INSTALL PER MANUFACTURER SPECIFICATIONS
11	RTU SCREENING SYSTEM TO MEET CITY REQUIREMENT. INSTALL PER MANUFACTURER SPECIFICATIONS

**SOUTH**

**EXTERIOR MATERIALS PERCENTAGES**

TOTAL FACADE AREA	1614.99 SF
WINDOWS	412.61
DOORS	
AREA BALANCE	1202.38 SF

MATERIAL	AREA	PERCENTAGE
STONE	460.22 SF	38%
METAL	-	-
BRICK	251.60 SF	21%
STUCCO	490.56 SF	41%
TOTAL	1202.38 SF	100%



**1** SOUTH ELEVATION  
1/4" = 1'-0"



ARCHITECT  
**B + A ARCHITECTURE**  
600 BROADWAY BLVD, SUITE 290  
KANSAS CITY, MO 64105  
PH: 816-753-6100

**SKYRIDGE RETAIL BUILDING**  
LOT 2 - 2200 RIDGE RD., ROCKWALL, TX 75087

SEAL

NOT FOR  
CONSTRUCTION

Issue Date: 02/03/2026

NO.	REVISION	DATE
1	REV-DEVELOPMENT#1	03.03.26
2	REV-DEVELOPMENT#2	04.03.26

DESIGNED BY: TT, NH  
DRAWN BY: NH  
CHECKED BY: TT

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SCALES AS STATED HEREIN ARE VALID ON THE ORIGINAL DRAWING. ONLY CONTRACTOR SHALL CAREFULLY REVIEW ALL DIMENSIONS AND CONDITIONS SHOWN HEREON AND AT ONCE REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY OR OMISSION DISCOVERED.

BUILDING ELEVATIONS  
**A200**

**APPROVED:**

I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

WITNESS OUR HANDS, this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

\_\_\_\_\_  
Planning & Zoning Commission, Chairman

\_\_\_\_\_  
Director of Planning and Zoning

**GENERAL NOTES**

1. EXTERIOR COLORS ARE INDICATED BY MATERIAL MANUFACTURERS
2. ALL EXTERIOR MATERIAL TRANSITION, SILLS AND HEADERS WHICH ARE NOT CALLED OUT, MATCH TO WALL TRIM COLOR.
3. ROOF TOP UNITS (RTUs) TO BE SCREENED FROM VIEWS BY LOUVERED SCREENS IF IT IS VISIBLE FROM THE ROAD.
4. INSTALL ALL ROOF PENETRATIONS AND EQUIPMENT (IE: VENT PIPES, ROOF VENTILATORS) ON THE REAR SIDE OF THE ROOF, TO THE GREATEST EXTENT POSSIBLE



STONE VENEER  
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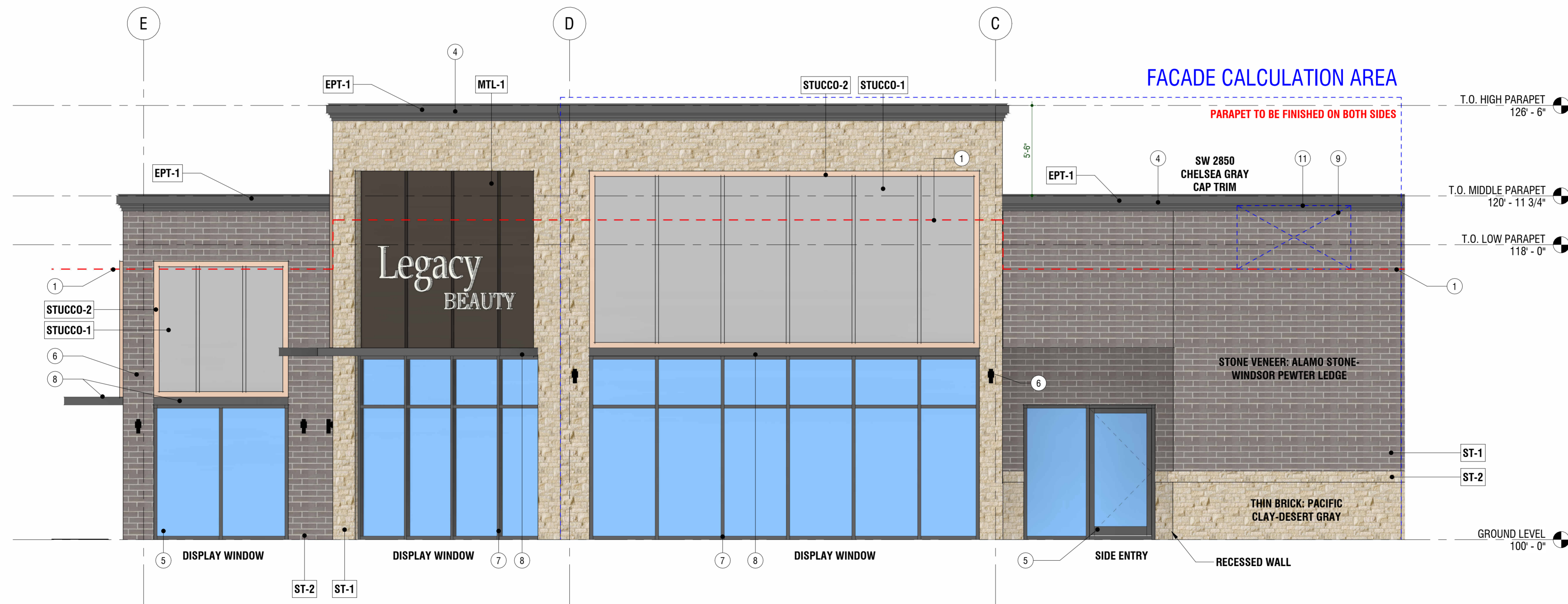
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6	EXTERIOR DOORS	ALUMINUM, PAINTED	METAL - MATTE BLACK
7	FASCIA	METAL, PAINTED	METAL - IRON ORE

**KEYNOTES**

1	LINE OF ROOF BEYOND
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3	STONE VENEER. INSTALL PER MANUFACTURER SPECIFICATIONS
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10	SIGNAGE. INSTALL PER MANUFACTURER SPECIFICATIONS
11	RTU SCREENING SYSTEM TO MEET CITY REQUIREMENT, INSTALL PER MANUFACTURER SPECIFICATIONS

EAST		
EXTERIOR MATERIALS PERCENTAGES		
TOTAL FACADE AREA	1800.85 SF	
WINDOWS	349.35 SF	
DOORS		
AREA BALANCE	1451.50 SF	
MATERIAL	AREA	PERCENTAGE
STONE	884.95 SF	60%
METAL	96.28 SF	7%
BRICK	323.77 SF	22%
STUCCO	166.50 SF	11%
TOTAL	1451.50 SF	100%



**1 EAST ELEVATION**  
 1/4" = 1'-0"

**SKYRIDGE RETAIL BUILDING**  
 LOT 2 - 2200 RIDGE RD, ROCKWALL, TX 75087

SEAL

NOT FOR CONSTRUCTION

NO.	REVISION	DATE
1	REV-DEVELOPMENT #1	03.03.26
2	REV-DEVELOPMENT #2	04.03.26

DESIGNED BY: NH,TT  
 DRAWN BY: NH  
 CHECKED BY: TT

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WITNESS OUR HANDS, this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

\_\_\_\_\_  
 Planning & Zoning Commission, Chairman

\_\_\_\_\_  
 Director of Planning and Zoning

**GENERAL NOTES**

- EXTERIOR COLORS ARE INDICATED BY MATERIAL MANUFACTURERS ALL EXTERIOR MATERIAL TRANSITION, SILLS AND HEADERS WHICH ARE NOT CALLED OUT, MATCH TO WALL TRIM COLOR.
- ROOF TOP UNITS (RTUs) TO BE SCREENED FROM VIEWS BY LOUVERED SCREENS IF IT IS VISIBLE FROM THE ROAD.
- INSTALL ALL ROOF PENETRATIONS AND EQUIPMENT (IE: VENT PIPES, ROOF VENTILATORS) ON THE REAR SIDE OF THE ROOF, TO THE GREATEST EXTENT POSSIBLE



STONE VENEER  
LEDGESTONE STYLE  
WINDSOR PEWTER  
LEDGE



STONE VENEER  
THIN BRICK  
DESERT GRAY



ACM PANEL  
ALUCOBOND  
STATUARY BRONZE

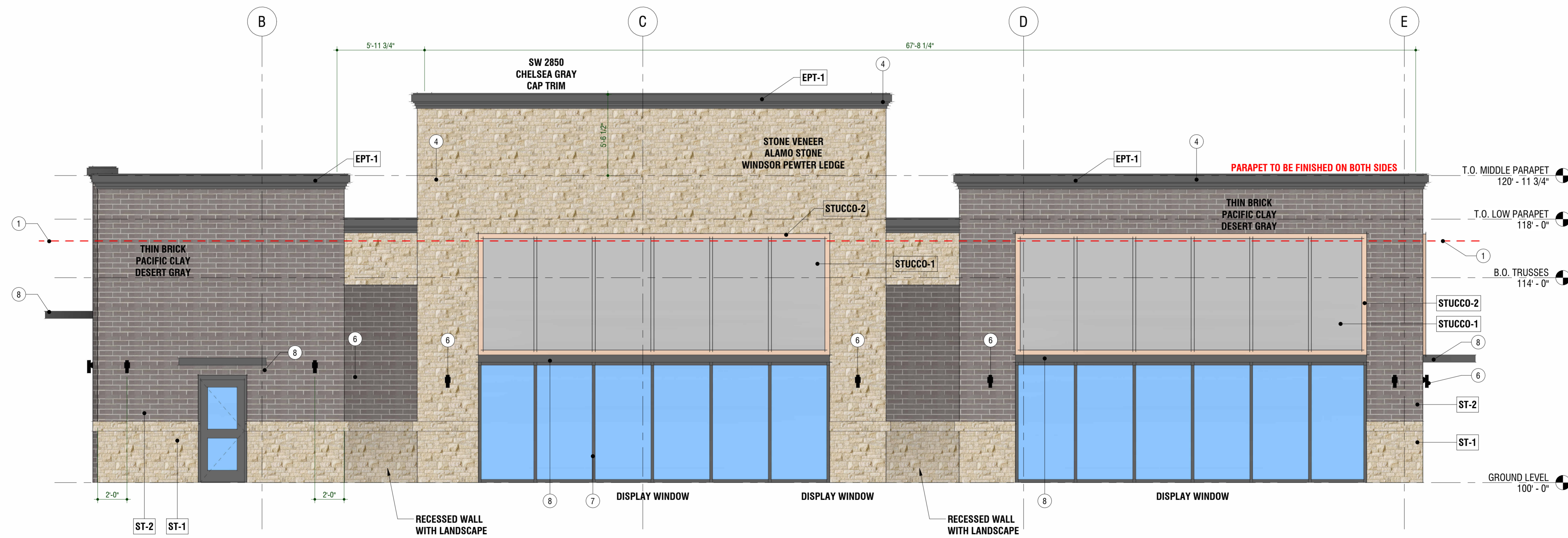
**EXTERIOR FINISHING SCHEDULE**

NO.	MATERIAL/ITEMS	DESCRIPTION	COLOR/FINISH
1	STONE VENEER	ALAMO STONE - LEDGESTONE	WINDSOR PEWTER LEDGE
2	STACKED STONE	OLD COUNTRY OR EQUAL	BIGHORN
3	STONE VENEER	PACIFIC CLAY PRODUCTS	THIN BRICK - DESERT GRAY
4	METAL PANEL	ALUCOBOND ACM OR EQUAL	STATUARY BRONZE
5	WINDOWS (STOREFRONT)	PELLA ARCHITECT SERIES OR EQUAL	METAL - MATTE BLACK
6	EXTERIOR DOORS	ALUMINUM, PAINTED	METAL - MATTE BLACK
7	FASCIA	METAL, PAINTED	METAL - IRON ORE

**KEYNOTES**

1	LINE OF ROOF BEYOND
2	TENANT MAIN ENTRY
3	STONE VENEER. INSTALL PER MANUFACTURER SPECIFICATIONS
4	CORNICE LINE TO BE PAINTED EPT-1 GRAY
5	ANODIZED ALUMINUM STORE FRONT SYSTEM DOOR AND GLAZING
6	EXTERIOR LIGHTING
7	BREAK METAL TO MATCH STOREFRONT SYSTEM
8	METAL AWING. INSTALL PER MANUFACTURER SPECIFICATIONS
9	RTU/HVAC SYSTEM. INSTALL PER MANUFACTURER SPECIFICATIONS
10	SIGNAGE. INSTALL PER MANUFACTURER SPECIFICATIONS
11	RTU SCREENING SYSTEM TO MEET CITY REQUIREMENT. INSTALL PER MANUFACTURER SPECIFICATIONS

WEST		
EXTERIOR MATERIALS PERCENTAGES		
TOTAL FACADE AREA	1950.52 SF	
WINDOWS	551.32 SF	
DOORS		
AREA BALANCE	1399.20 SF	
MATERIAL	AREA	PERCENTAGE
STONE	577.08 SF	41%
BRICK	436.40 SF	32%
METAL	-	-
STUCCO	385.72 SF	27%
TOTAL	1399.20 SF	100%



**1 WEST ELEVATION**  
 1/4" = 1'-0"

**SKYRIDGE RETAIL BUILDING**  
 LOT 2 - 2200 RIDGE RD, ROCKWALL, TX 75087

SEAL

NOT FOR  
 CONSTRUCTION

Issue Date: 02/03/2026

NO.	REVISION	DATE
1	REV-DEVELOPMENT #1	03.03.26
2	REV-DEVELOPMENT #2	04.03.26

DESIGNED BY: NH,TT  
 DRAWN BY: NH  
 CHECKED BY: TT

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**APPROVED:**

I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

WITNESS OUR HANDS, this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

\_\_\_\_\_  
 Planning & Zoning Commission, Chairman

\_\_\_\_\_  
 Director of Planning and Zoning

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STONE VENEER  
LEDGESTONE STYLE  
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11. RTU SCREENING SYSTEM TO MEET CITY REQUIREMENT, INSTALL PER MANUFACTURER SPECIFICATIONS

**NORTH**

EXTERIOR MATERIALS PERCENTAGES		
TOTAL FACADE AREA	1208.88 SF	
WINDOWS	271.31 SF	
DOORS		
AREA BALANCE	937.57 SF	

MATERIAL	AREA	PERCENTAGE
STONE	741.56 SF	79%
METAL	N/A	-
BRICK	196.01 SF	21%
STUCCO	N/A	-
TOTAL	937.57 SF	100%

**NORTHWEST**

EXTERIOR MATERIALS PERCENTAGES		
TOTAL FACADE AREA	962.82 SF	
WINDOWS	100.65 SF	
DOORS		
AREA BALANCE	862.17 SF	

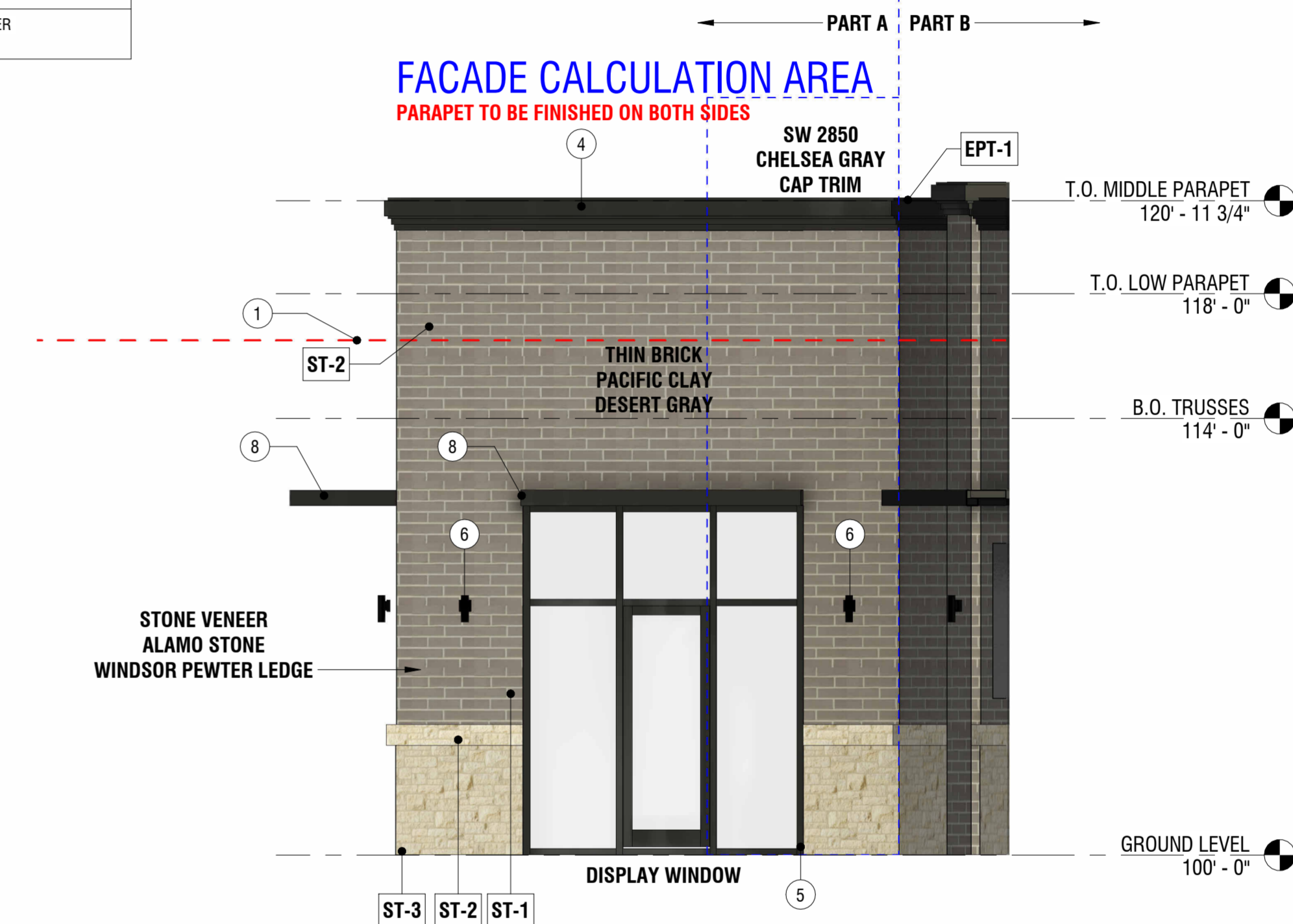
MATERIAL	AREA	PERCENTAGE
STONE	503.98 SF	58%
METAL	N/A	-
BRICK	284.73 SF	33%
STUCCO	73.46 SF	9%
TOTAL	862.17 SF	100%

**FACADE CALCULATION AREA**



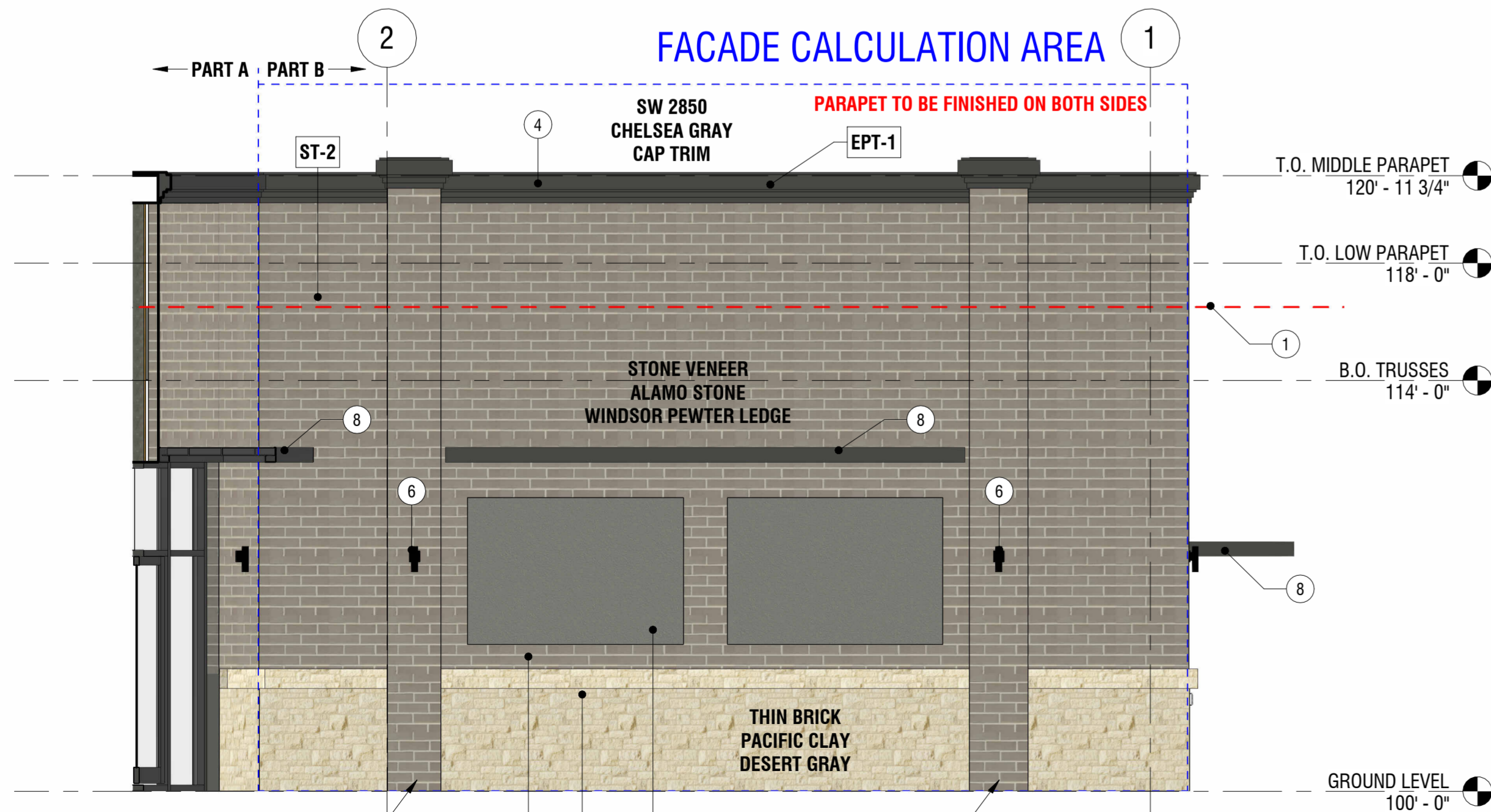
3 NORTH ELEVATION  
1/4" = 1'-0"

**FACADE CALCULATION AREA**



2 NORTHWEST ELEVATION-PART A  
1/4" = 1'-0"

**FACADE CALCULATION AREA**



1 NORTHWEST ELEVATION-PART B  
1/4" = 1'-0"



ARCHITECT  
B + A ARCHITECTURE  
600 BROADWAY BLVD, SUITE 290  
KANSAS CITY, MO 64105  
PH: 816-753-6100

SKYRIDGE RETAIL BUILDING  
LOT 2 - 2200 RIDGE RD., ROCKWALL, TX 75087

SEAL

NOT FOR CONSTRUCTION

Issue Date: 02/03/2026

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**APPROVED:**

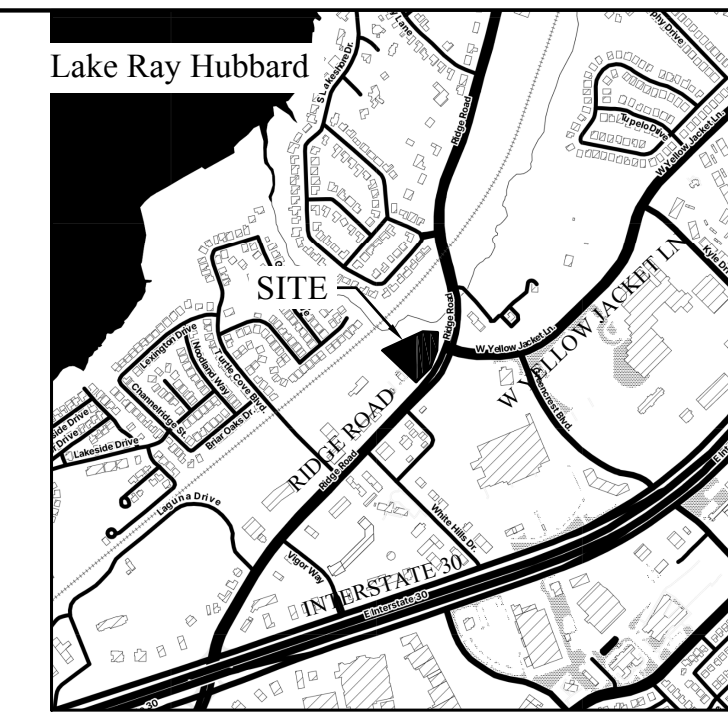
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Planning & Zoning Commission, Chairman

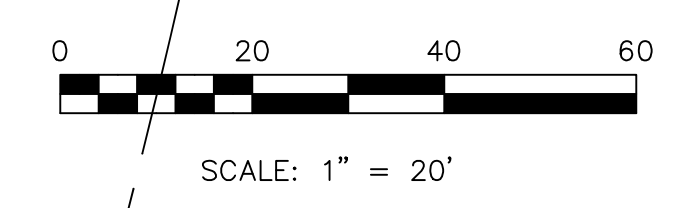
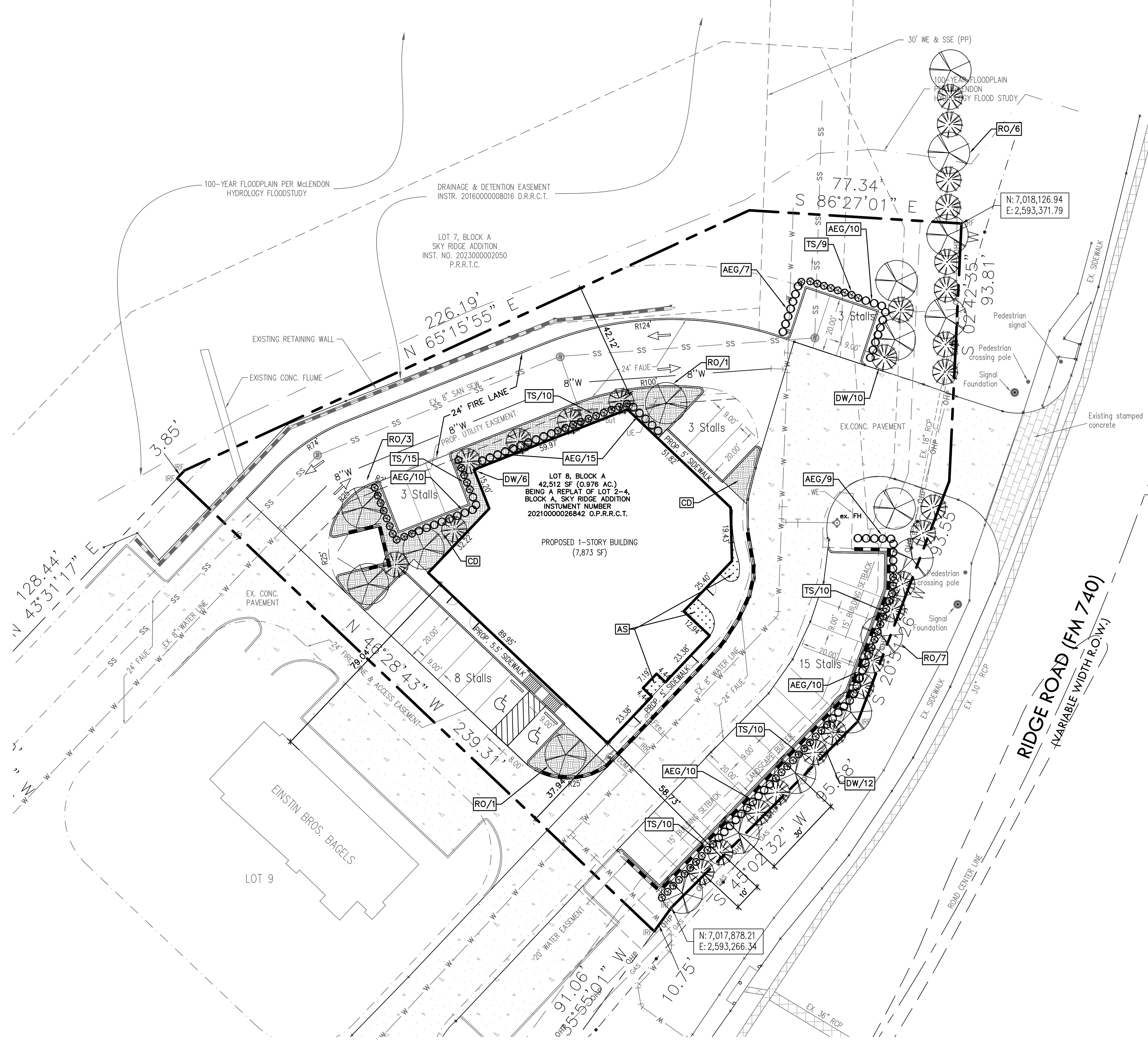
\_\_\_\_\_  
Director of Planning and Zoning





VICINITY MAP (NTS)

Henry Nguyen Consulting, LLC  
Civil Engineering  
1330 Glenfield Ave, Dallas, Texas 75224  
(214) 773-4075 Email: hnguyen@swbell.net  
Texas Registered Engineering Firm F-16239



**1. Overall Site Landscaping Percentage**

- For Commercial Districts, the required landscaping is 20% of the net lot area.

Required	Provided
20% x 42,512 sf = 8,502.40 sf	10,899 sf (26%)

**2. Perimeter Landscaping (Buffers)**

- A. Street Frontage Landscaping:**
  - Requirement: 10 feet along all public street frontages.
  - Canopy Trees: 3 canopy trees per 100 linear feet of street frontage.
  - Accent Trees: 4 accent trees per 100 linear feet of street frontage.
  - Shrubs/Groundcover: The remaining area within the landscape strip must be covered with shrubs, groundcover, or turf.

Required	Provided
10' buffer	10'
Canopy trees = 293.79 LF * 3/100 = 9	13
Accent trees = 293.79 LF * 4/100 = 12	22
3 shrubs/10 LF x 283.04 LF = 85 Shrubs	85

**3. Interior Parking Lot Landscaping**

- Trees:**
  - Number/Coverage: one (1) shade tree per 10 number of parking spaces (1/10 x 35 spaces = 4 trees), or 20% of the parking lot area (20% x 5,760 sf = 1,152 sf).
  - Island Requirements: Landscaped islands are typically required at the end of every parking row and within longer rows (e.g., for every 10-15 spaces). These islands must accommodate at least one large canopy tree.
- Shrubs/Groundcover:** All areas within interior landscape islands and strips must be fully planted with shrubs, groundcover, or turf.

Required	Provided
1 canopy tree/10 parking spaces x 32 = 3 trees	5
Accent trees	3
Shrubs	50
5,760 sf x 20% = 1,152 sf	1,985 sf (34%)

**LANDSCAPE LEGEND**

	CD	COMMON BURMUDA GRASS SOD
	AS	ASIATIC JASMINE
	RO	TEXAS RED OAK
	DW	DESERT WILLOW
	AEG	EDWARD GOUCHER ABELIA
	TS	TEXAS SAGE
		PROPOSED RETAINING WALL

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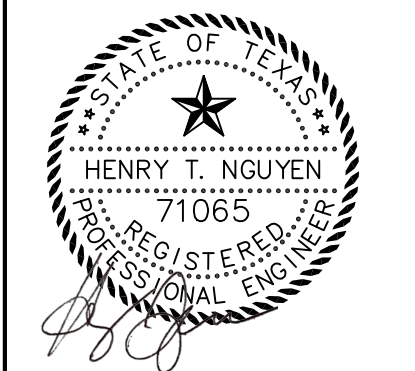
\_\_\_\_\_  
Director of Planning and Zoning

REVISIONS

Date	Description	Approved

**SKYRIDGE RETAIL BUILDING**  
2200 RIDGE ROAD  
ROCKWALL, TEXAS 75087

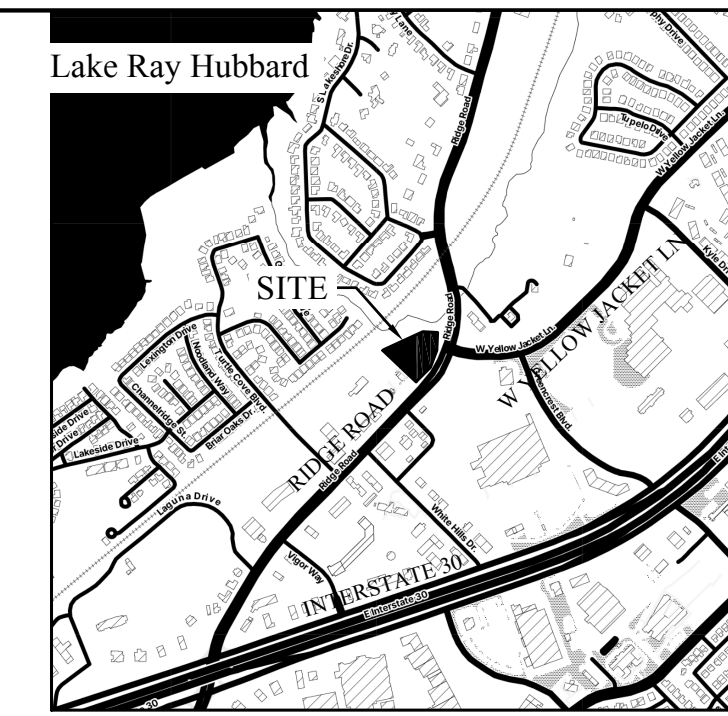
DESIGN	HNC	HNC	DATE	Job#
DRAWN			05/08/2026	25001



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**LANDSCAPE PLAN**

May\_08\_2026\_3:25pm: hnguyen Consulting\Projects\Active\25001-SKY RIDGE ADDITION\18-SHEET\_SETS\L1-LANDSCAPE.dwg



VICINITY MAP (NTS)

Henry Nguyen Consulting, LLC  
Civil Engineering  
1330 Glenfield Ave, Dallas, Texas 75224  
(214) 773-4075 Email: hnguyen@swbell.net  
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**GENERAL LAWN NOTES**

1. ALL LANDSCAPE/TURF AREAS TO BE INSTALLED WITH AUTOMATIC IRRIGATION SYSTEM MEETING CITY AND TCEQ STANDARD.
2. CONTRACTOR SHALL LEAVE LAWN AREAS 4" BELOW FINAL FINISHED GRADE PRIOR TO TOPSOIL INSTALLATION.
3. CONTRACTOR TO APPLY 4" CLEAN TOPSOIL TO ALL TURF AREAS PRIOR TO INSTALLATION OF SOD OR HYDROMULCH
4. CONTRACTOR SHALL FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS AS INDICATED ON CIVIL PLANS. ADJUST CONTOURS TO ACHIEVE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PROVIDE UNIFORM ROUNDING AT TOP AND BOTTOM OF SLOPES AND OTHER BREAKS IN GRADE. CORRECT IRREGULARITIES AND AREAS WHERE WATER MAY STAND.
5. LAWN AREAS SHALL BE FINE GRADED, IRRIGATION TRENCHES COMPLETELY SETTLED AND FINISH GRADE
6. REMOVE ROCKS 3/4" DIAMETER AND LARGER, DIRT CLODS, STICKS, CONCRETE SPOILS, ETC. PRIOR TO PLACING TOPSOIL AND LAWN INSTALLATION.
7. GUARANTEE ESTABLISHMENT OF ACCEPTABLE TURF AREA AND PROVIDE REPLACEMENT FROM LOCAL SUPPLY IF NECESSARY.
8. PLANT SOD BY HAND TO COVER INDICATED AREAS COMPLETELY. ENSURE EDGES OF SOD ARE TOUCHING. TOP DRESS JOINTS BY HAND WITH TOPSOIL TO FILL VOIDS.
9. ROLL GRASS AREAS TO ACHIEVE A SMOOTH, EVEN SURFACE. FREE FROM UNNATURAL UNDULATIONS.
10. WATER SOD THOROUGHLY AS SOD REESTABLISHMENT PROGRESSES.
11. IF INSTALLATION OCCURS BETWEEN SEPTEMBER 1 AND MARCH 1, OVER-SEED BERMUDA GRASS SOD WITH WINTER RYEGRASS, AT A RATE OF FOUR (4) POUNDS PER ONE THOUSAND (1000) SQUARE FEET.

**CUSTOM PLANTING SOIL:**

AMENDED SOIL (IN SHRUB PLANTING BEDS & AT TREES)  
PRODUCT: LANDSCAPERS BLEND (50/50)  
DEPTH: 6" (TILLED INTO 6" OF EXISTING SOIL FOR A TOTAL DEPTH OF 12")  
SUPPLIER: SOIL BUILDING SYSTEMS  
CONTACT: 972-831-8181  
INSTALLATION: PER SOIL BUILDING SYSTEMS SPECIFICATIONS

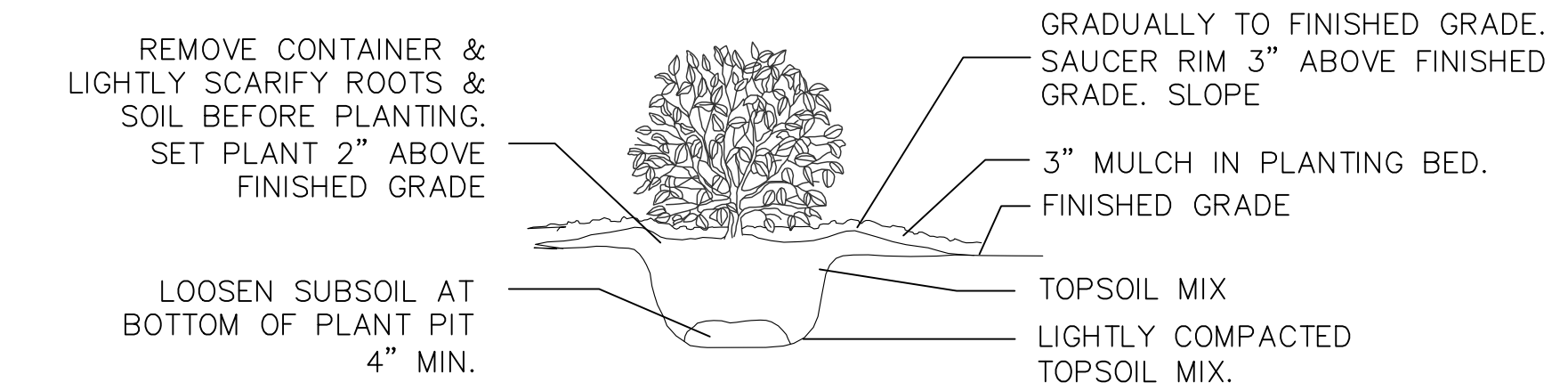
**STEEL EDGING:**

METAL EDGING TO SEPARATE PLANTING BEDS FROM ADJACENT TURF  
PRODUCT: DURAEDEGE  
SIZE: 3/16" THICK x 4" HEIGHT x 16' LENGTH  
NOTES: METAL EDGING SHALL NOT BE INSTALLED PARALLEL AGAINST CURBS AND SIDEWALKS. METAL EDGING SHALL BE TRIMMED WHERE IT ABUTTS SIDEWALKS AND CURBS TO AVOID SHARP EDGES.

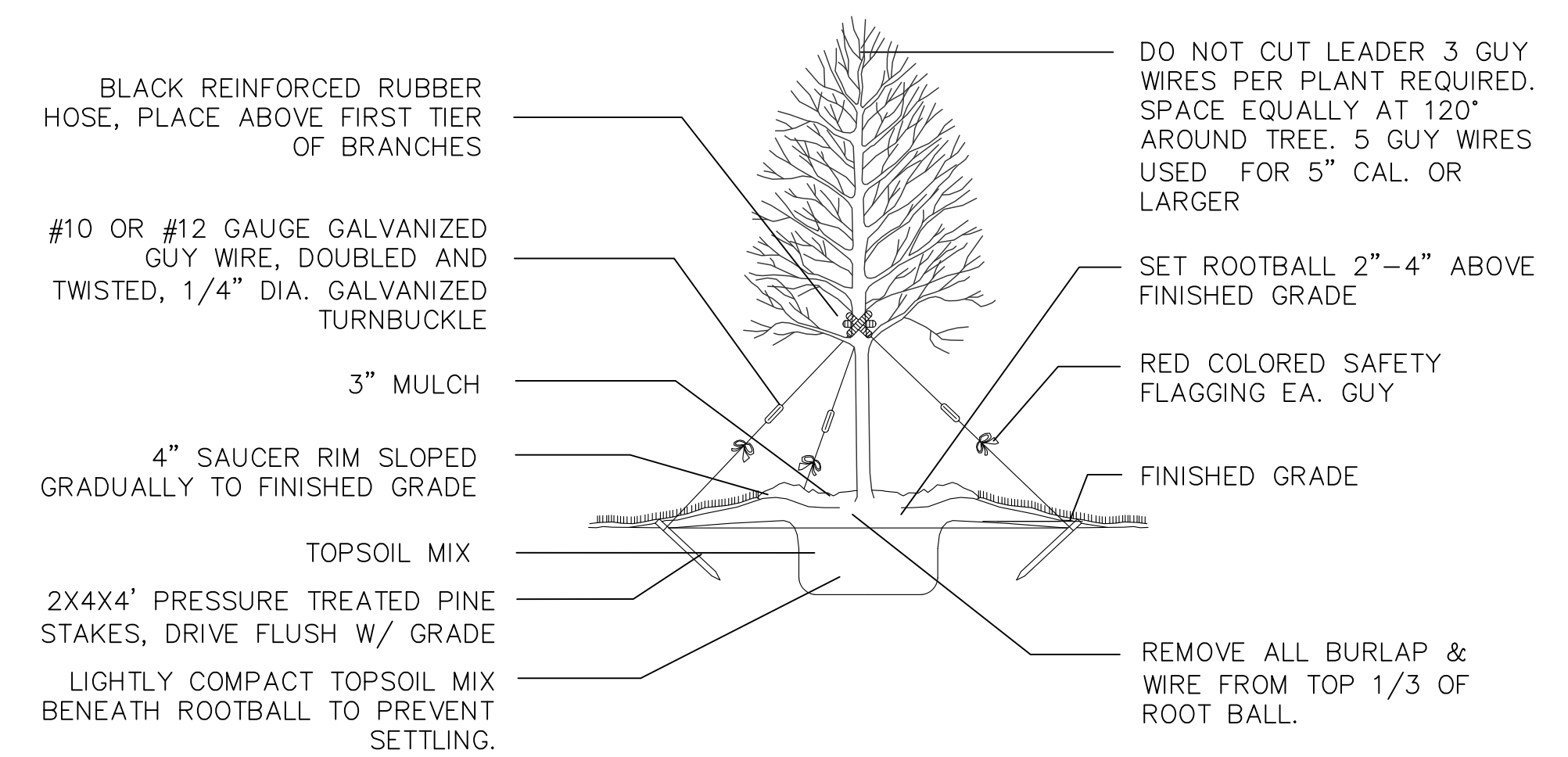
**IRRIGATION:**

ALL REQUIRED LANDSCAPE AREAS SHALL HAVE AN AUTOMATIC IRRIGATION SYSTEM WITH A FREEZE/RAIN SENSOR. SYSTEM SHALL ALSO HAVE AN ET WEATHER BASED CONTROLLER AND BE DESIGNED AND INSTALLED BY A LICENSED IRRIGATOR. THE IRRIGATION WILL MEET THE REQUIREMENT OF THE UDC.

PLANT LIST						
SYMBOL	BOTANIC NAME	COMMON NAME	QTY.	UNIT	SIZE	NOTES
★						
GROUND COVER						
CD	CYNODON DACTYLON	COMMON BURMUDA GRASS SOD	1820	SF		SOLID SOD PER INDUSTRY STANDARD
AS	TRACHELOSPERMUM	ASITIC JASMINE	165	SF		
★						
TREES AND SHRUBS						
RO	QUERCUS BUCKLEYI	TEXAS RED OAK	18	EA	4" CALIPER	SPACING PER PLAN
DW	CHILOPSIS LINEARIS	DESERT WILLOW	25	EA	4" HEIGHT	SPACING PER PLAN
AEG	ABELIA X 'EDWARD GOUCHER'	EDWARD GOUCHER ABELIA	71	EA	5 GAL	24" HEIGHT SPACED 36" O.C. MIN.
TS	LEUCOPHYLLUM FRUTESCENS	TEXAS SAGE	64	EA	5 GAL	24" HEIGHT SPACED 36" O.C. MIN.



**A SHRUB PLANTING DETAIL**  
SCALE: NONE



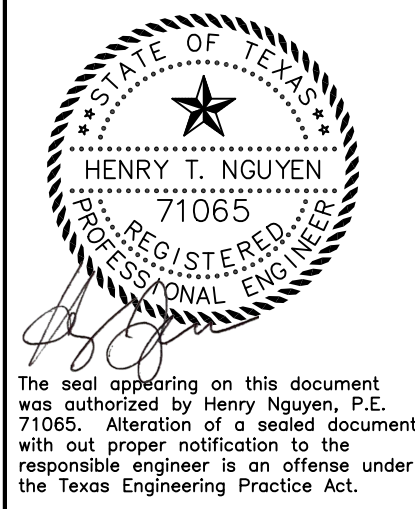
**B TREE PLANTING DETAIL**  
SCALE: NONE

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\_\_\_\_\_  
Planning & Zoning Commission, Chairman  
\_\_\_\_\_  
Director of Planning and Zoning

REVISIONS	
Date	Description
Approved	

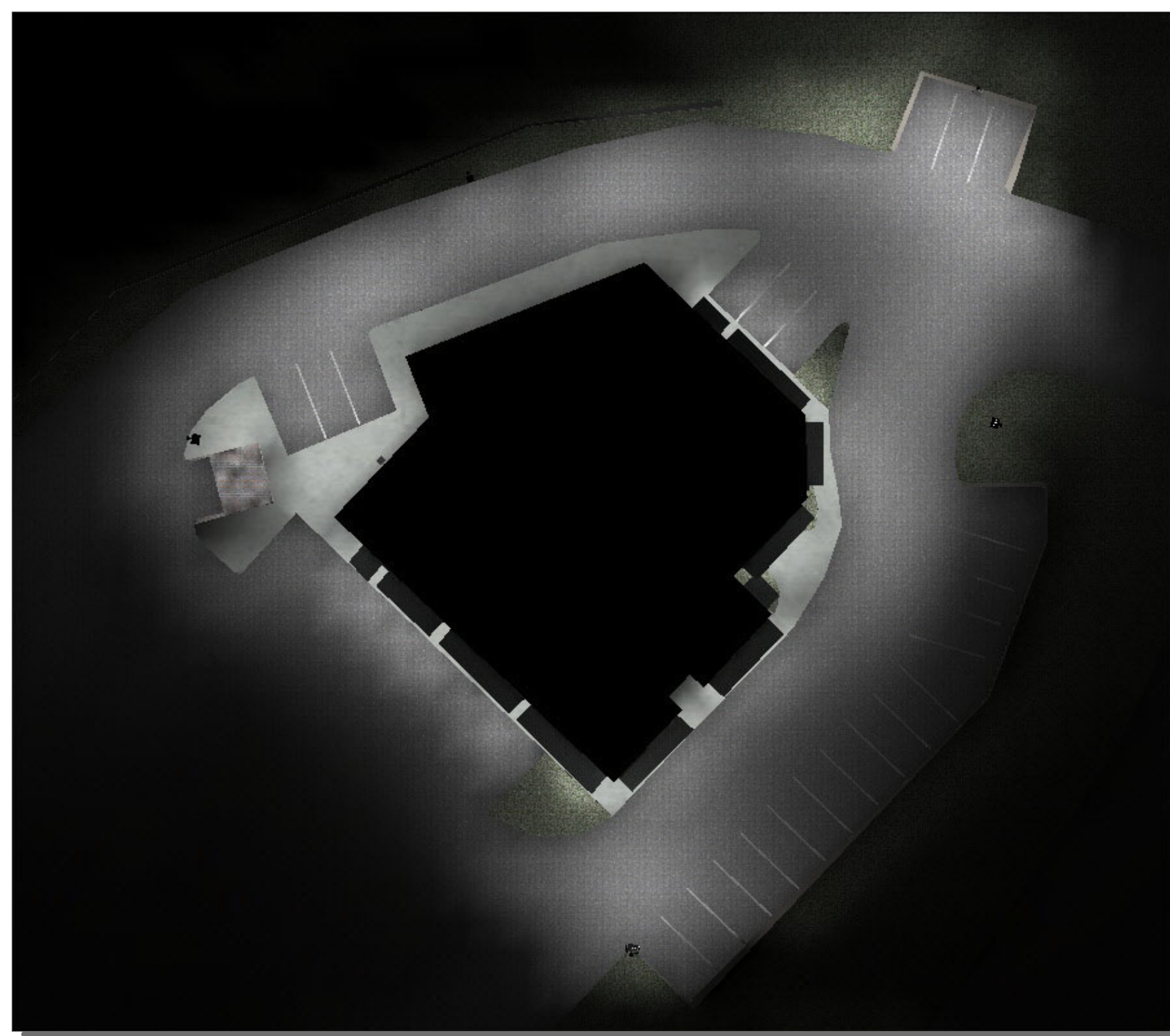
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ROCKWALL, TEXAS 75087

DESIGN	HNC
DRAWN	HNC
DATE	05/08/2026
Job#:	25001



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**LANDSCAPE PLAN**



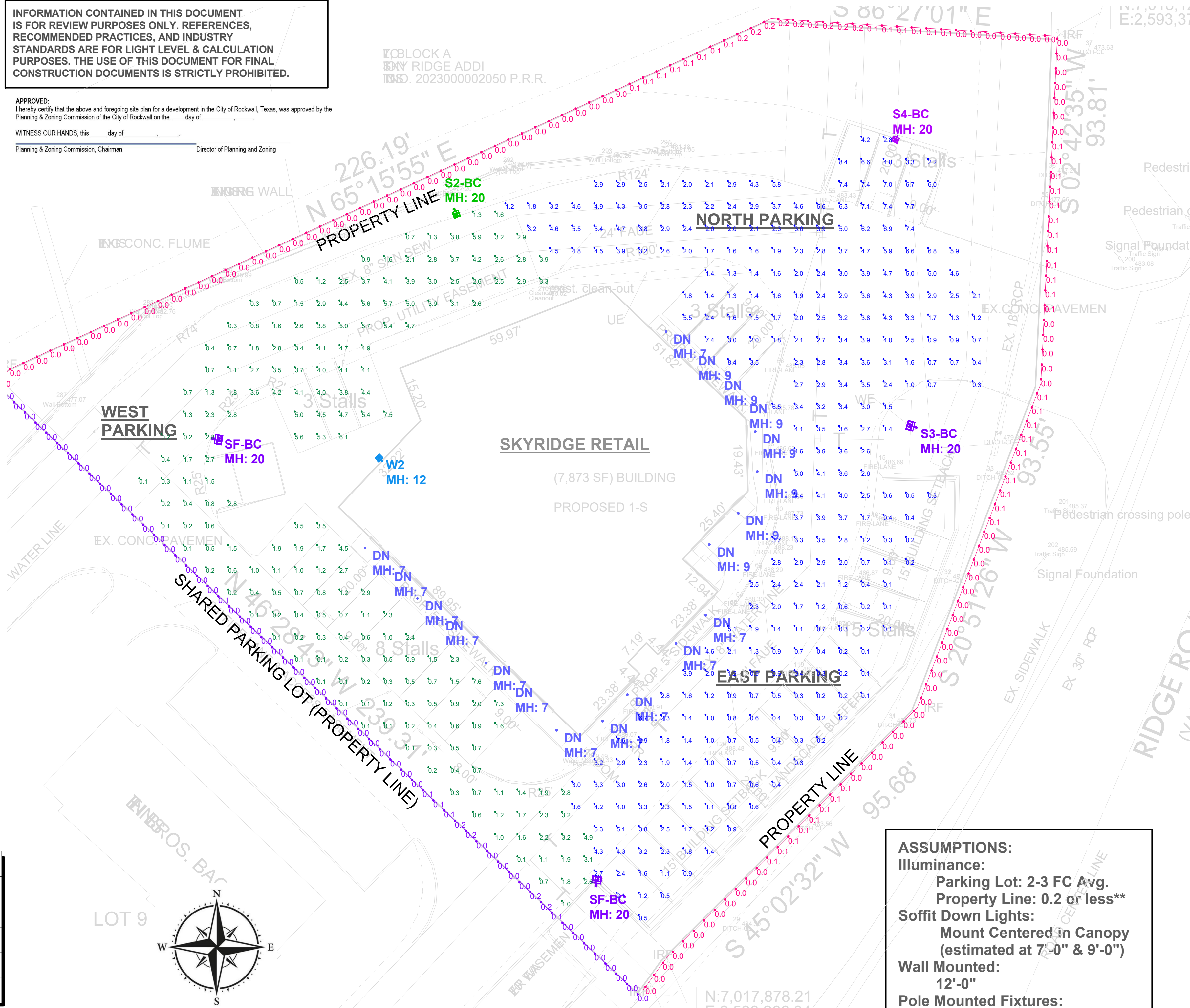
BIRD'S EYE VIEW



RENDERING FROM SOUTH-EAST

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 Planning & Zoning Commission, Chairman \_\_\_\_\_ Director of Planning and Zoning \_\_\_\_\_



**SITE LIGHTING PHOTOMETRICS**



**ASSUMPTIONS:**  
 Illuminance:  
 Parking Lot: 2-3 FC Avg.  
 Property Line: 0.2 or less\*\*  
 Soffit Down Lights:  
 Mount Centered in Canopy  
 (estimated at 7'-0" & 9'-0")  
 Wall Mounted:  
 12'-0"  
 Pole Mounted Fixtures:  
 20'-0" Pole and Base  
 Calculations Points @ Grade

CALCULATION SUMMARY IN FOOT-CANDLES				
AREA	Avg	Max	Min	Max/Min
PROPERTY LINE	0.0	0.2	0.0	N.A.
SHARED PARKING LOT	0.0	0.2	0.0	N.A.
SOUTH-WEST PARKING	2.0	7.6	0.1	76.0
NORTH- EAST PARKING	2.6	8.4	0.1	84.0

\*\*The allowable maximum light intensity measured at the property line of a non-residential property shall be 0.2 of one foot candle.

LIGHTING FIXTURE SCHEDULE							
SYB.	TAG	QTY.	MODEL	DISCRIPTION	LLF	WATTS	LUMENS
+	W2	1	VPW2-18L-39-3K7-2	BEACON VIPER-WALL PACK-3000°K-TYPE II OPTICS	0.900	38.8	4683
+	SF-BC	2	VP-2-320L-145-3K7-4F-HSS-270-BSS	BEACON VIPER-MICROSTRIKE-3000°K-TYPE IV FORWRD-OPTICS	0.900	145.6	14491
+	S4-BC	1	VP-2-320L-210-3K7-4W-BC	BEACON VIPER-MICROSTRIKE-3000°K-TYPE IV -BACK CONTROL	0.900	213.9	15600
+	S3-BC	1	VP-2-320L-235-3K7-3-BC	BEACON VIPER-MICROSTRIKE-3000°K-TYPE III -BACK CONTROL	0.900	238	18264
+	S2-BC	1	VP-2-320L-235-3K7-2-BC	BEACON VIPER-MICROSTRIKE-3000°K-TYPE II -BACK CONTROL	0.900	238	16185
+	DN	19	NU4-RD-SW-30LM-30K-LOPRO	ALAPHABET-4 IN- ROUND-3000°K-LOW PROFILE HOUSING	0.900	26.72	2234

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103 E 18th Avenue  
 North Kansas City, MO 64116  
 Phone: (816) 581-6300

**SKYRIDGE RETAIL**  
 LOT 2 - 2200 RIDGE RD,  
 ROCKWALL, TX 75087

DESIGNED BY:	RMD
REVISIONS	
REV-01: NEW PLAN & PL REQ.	
REV-02: ADD NEW CIVIL DWG	
REV-03: PROPERTY LINE =< 0.2	
DATE:	4/29/2026

**PAGE 1**

CALC-0242-SKYRIDGE RETAIL-ROCKWALL-TX-REV-03

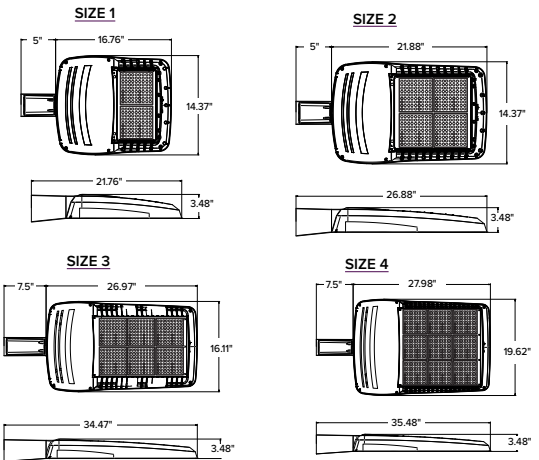
# VIPER Area/Site

VIPER LUMINAIRE

## FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as auto dealership, retail, commercial, and campus parking lots
- Featuring two different optical technologies, Strike and Micro Strike Optics, which provide the best distribution patterns for retrofit or new construction
- Rated for high vibration applications including bridges and overpasses. All sizes are rated for 1.5G
- Control options including photo control, occupancy sensing, NX Lighting Controls™, LightGRID+ and 7-Pin with networked controls
- New customizable lumen output feature allows for the wattage and lumen output to be customized in the factory to meet whatever specification requirements may entail
- Field interchangeable mounting provides additional flexibility after the fixture has shipped

## MICRO STRIKE | SILICONE STRIKE | OPTICS STRIKE



## CONTROL TECHNOLOGY



## SERVICE PROGRAMS



## SPECIFICATIONS

### CONSTRUCTION

- Die-cast housing with hidden vertical heat fins are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with 1000 hour powder coat paint finish
- External hardware is corrosion resistant

### OPTICS

- Micro Strike Optics (160, 320, 480, or 720 LED counts) maximize uniformity in applications and come standard with mid-power LEDs which evenly illuminate the entire luminous surface area to provide a low glare appearance. Catalog logic found on page 2
- Strike Optics (36, 72, 108, or 162 LED counts) provide best in class distributions and maximum pole spacing in new applications with high powered LEDs. Strike optics are held in place with a polycarbonate bezel to mimic the appearance of the Micro Strike Optics so both solutions can be combined on the same application. Catalog logic found on page 3
- Silicone Strike Optics (40, 80, 120, or 180 LED counts) maximize uniformity in applications and provides the highest LPW. These include an integral gasket allowing for IP66 rating. Catalog logic found on page 4.
- All optics maximize target zone illumination with minimal losses at the house-side, reducing light trespass issues. Additional backlight control shields and house side shields can be added for further reduction of illumination behind the pole
- One-piece silicone gasket ensures a weatherproof seal
- Zero up-light at 0 degrees of tilt
- Field rotatable optics

### INSTALLATION

- Mounting patterns for each arm can be found on page 11
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option (ASQU) or accessory for square and round poles
- All mounting hardware included

### INSTALLATION (CONTINUED)

- Knuckle arm fitter option available for 2-3/8" OD tenon
- For products with EPA less than 1 mounted to a pole greater than 20ft, a vibration damper is recommended

### ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options cannot be combined

### CONTROLS

- Photo control, occupancy sensor programmable controls, and Zigbee wireless controls available for complete on/off and dimming control
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0-10V Dimming Drivers are standard. Select CD option to have dimming leads extended outside the luminaire. Must specify if wiring leads are to be greater than the 6" standard.

	EPA				Config.
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

### CONTROLS (CONTINUED)

- NX Lighting Controls™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

### CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to <http://www.designlights.org> for the most up-to-date list.
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 1.5 G rated for ANSI C136.31 high vibration applications
- Fixture is IP65 rated with Strike and Microstrike optics. Fixture is IP66 rated with Silicone Strike optics.
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to <https://www.currentlighting.com/resources/america-solutions>).
- FCC CFR Title 47 Part 15, Class A

### WARRANTY

- 5 year warranty

# VIPER Area/Site

VIPER LUMINAIRE

## MICROSTRIKE OPTICS – ORDERING GUIDE

Gray Shading = Service Program Limit of 15 luminaires


**Example:** VP-2-320L-145-3K7-2-R-UNV-A3-BLT

CATALOG # \_\_\_\_\_

VP Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper	Micro Strike	1 Size 1	<b>160L-35</b> <sup>6</sup> 5500 lumens <b>160L-50</b> <sup>6</sup> 7500 lumens <b>160L-75</b> 10000 lumens <b>160L-100</b> 12500 lumens <b>160L-115</b> 15000 lumens <b>160L-135</b> 18000 lumens <b>160L-160</b> 21000 lumens	<b>AP</b> AP-Amber Phosphor Converted <b>27K8</b> 2700K, 80 CRI <b>3K7</b> 3000K, 70 CRI <b>3K8</b> 3000K, 80 CRI <b>35K8</b> 3500K, 80 CRI <b>3K9</b> 3000K, 90 CRI <b>4K7</b> 4000K, 70 CRI <b>4K8</b> 4000K, 80 CRI <b>4K9</b> 4000K, 90 CRI <b>5K7</b> 5000K, 70 CRI <b>5K8</b> 5000K, 80 CRI	<b>2</b> Type 2 <b>3</b> Type 3 <b>4F</b> Type 4 Forward <b>4W</b> Type 4 Wide <b>5QW</b> Type 5 Square Wide	<b>BLANK</b> No Rotation <b>L</b> Optic rotation left <b>R</b> Optic rotation right	<b>UNV</b> 120-277V <b>120</b> 120V <b>208</b> 208V <b>240</b> 240V <b>277</b> 277V <b>347</b> 347V <b>480</b> 480V
		2 Size 2	<b>320L-145</b> 21000 lumens <b>320L-170</b> 24000 lumens <b>320L-185</b> 27000 lumens <b>320L-210</b> 30000 lumens <b>320L-235</b> 33000 lumens <b>320L-255</b> 36000 lumens <b>320L-315</b> <sup>6</sup> 40000 lumens				
		3 Size 3	<b>480L-285</b> 40000 lumens <b>480L-320</b> 44000 lumens <b>480L-340</b> 48000 lumens <b>480L-390</b> 52000 lumens <b>480L-425</b> 55000 lumens <b>480L-470</b> 60000 lumens				
		4 Size 4	<b>720L-435</b> 60000 lumens <b>720L-475</b> 65000 lumens <b>720L-515</b> 70000 lumens <b>720L-565</b> <sup>6</sup> 75000 lumens <b>720L-600</b> <sup>6</sup> 80000 lumens <b>CLO</b> Custom Lumen Output <sup>1</sup>				

Mounting	Color	Options	Network Control Options
<b>A</b> Arm mount for square pole/flat surface (B3 Drill Pattern) (Does not include round pole adapter) <b>A_</b> Arm mount for round pole <sup>2</sup> <b>ASQU</b> Universal arm mount for square pole. Can be used with B3 or S2 Drill Pattern <b>A_U</b> Universal arm mount for round pole <sup>2</sup> <b>AAU</b> Adjustable arm for pole mounting (universal drill pattern) <b>AA_U</b> Adjustable arm mount for round pole <sup>2</sup> <b>ADU</b> Decorative upswept Arm (universal drill pattern) <b>AD_U</b> Decorative upswept arm mount for round pole <sup>2</sup> <b>MAF</b> Mast arm fitter for 2-3/8" OD horizontal arm <b>K</b> Knuckle <b>T</b> Trunnion <b>WB</b> Wall Bracket, horizontal tenon with MAF <b>WM</b> Wall mount bracket with decorative upswept arm <b>WA</b> Wall mount bracket with adjustable arm	<b>BLT</b> Black Matte Textured <b>BLS</b> Black Gloss Smooth <b>DBT</b> Dark Bronze Matte Textured <b>DBS</b> Dark Bronze Gloss Smooth <b>GTT</b> Graphite Matte Textured <b>LGS</b> Light Grey Gloss Smooth <b>LGT</b> Light Grey Gloss Textured <b>PSS</b> Platinum Silver Smooth <b>WHT</b> White Matte Textured <b>WHS</b> White Gloss Smooth <b>VGT</b> Verde Green Textured <b>Color Option</b> <b>CC</b> Custom Color	<b>F</b> Fusing <b>2PF</b> Dual Power Feed <b>2DR</b> Dual Driver <b>TE</b> Tooless Entry <b>BC</b> Backlight Control <sup>8</sup> <b>TB</b> Terminal Block <b>CD</b> Customer Dimming	<b>NXWS16F</b> NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>1,3,4</sup> <b>NXWS40F</b> NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>1,3,4</sup> <b>NXW</b> NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor <sup>3,4</sup> <b>WIR</b> LightGRID+ In-Fixture Module <sup>3,4</sup> <b>WIRSC</b> LightGRID+ Module and Occupancy Sensor <sup>3,4</sup> <b>Stand Alone Sensors</b> <b>BTS-14F</b> Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens <b>BTS-40F</b> Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens <b>BTSO-12F</b> Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens <b>7PR</b> 7-Pin Receptacle <sup>4</sup> <b>7PR-SC</b> 7-Pin Receptacle with shorting cap <sup>4</sup> <b>7PR-TL</b> 7-Pin PCR with photocontrol <b>3PR</b> 3-Pin twist lock <sup>4</sup> <b>3PR-SC</b> 3-Pin receptacle with shorting cap <sup>4</sup> <b>3PR-TL</b> 3-Pin PCR with photocontrol <sup>4</sup> <b>Programmed Controls</b> <b>SCP_F</b> Sensor Control Programmable, 8F or 40F <sup>9</sup> <b>ADD</b> AutoDim Timer Based Dimming <sup>10</sup> <b>ADT</b> AutoDim Time of Day Dimming <sup>10</sup>

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information

2 – Replace “\_” with “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole, “5” for 5.5”-6.5” OD pole

3 – Networked Controls cannot be combined with other control options

4 – Not available with 2PF option

5 – Not available with Dual Driver option

6 – Some voltage restrictions may apply when combined with controls

7 – Not available with 480V

8 – BC not available on 4F and type 5 distributions

9 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.

10 – Please refer to page 8 for AutoDim ordering guide

# VIPER Area/Site

VIPER LUMINAIRE

## STRIKE OPTIC – ORDERING GUIDE

**Example:** VP-ST-1-36L-39-3K7-2-UNV-A-BLT

CATALOG # \_\_\_\_\_

VP Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper	ST Strike	1 Size 1	<b>36L-39</b> <sup>8</sup> 5500 lumens <b>36L-55</b> <sup>8</sup> 7500 lumens <b>36L-85</b> 10000 lumens <b>36L-105</b> 12500 lumens <b>36L-120</b> 14000 lumens	<b>AM</b> monochromatic amber, 595nm  <b>27K8</b> 2700K, 80 CRI <b>3K7</b> 3000K, 70 CRI <b>3K8</b> 3000K, 80 CRI <b>3K9</b> 3000K, 90 CRI <b>35K8</b> 3500K, 80 CRI <b>4K7</b> 4000K, 70 CRI <b>4K8</b> 4000K, 80 CRI <b>4K9</b> 4000K, 90 CRI <b>5K7</b> 5000K, 70 CRI <b>5K8</b> 5000K, 80 CRI	<b>FR</b> Auto Front Row <b>2</b> Type 2 <b>3</b> Type 3 <b>4F</b> Type 4 Forward <b>4W</b> Type 4 Wide <b>5QN</b> Type 5 Square Narrow <b>5QW</b> Type 5 Square Wide <b>5QM</b> Type 5 Square Medium <b>5W</b> Type 5 Wide (Round) <b>5RW</b> Type 5 Rectangular <b>C</b> Corner Optic <b>TC</b> Tennis Court Optic	<b>BLANK</b> <b>No Rotation</b> <b>L</b> Optic rotation left <b>R</b> Optic rotation right	<b>UNV</b> 120-277V <b>120</b> 120V <b>208</b> 208V <b>240</b> 240V <b>277</b> 277V <b>347</b> 347V <b>480</b> 480V
		2 Size 2	<b>72L-115</b> 15000 lumens <b>72L-145</b> 18000 lumens <b>72L-180</b> 21000 lumens <b>72L-210</b> 24000 lumens <b>72L-240</b> 27000 lumens				
		3 Size 3	<b>108L-215</b> <sup>8</sup> 27000 lumens <b>108L-250</b> 30000 lumens <b>108L-280</b> 33000 lumens <b>108L-325</b> 36000 lumens <b>108L-365</b> 40000 lumens				
		4 Size 4	<b>162L-320</b> 40000 lumens <b>162L-365</b> <sup>10</sup> 44000 lumens <b>162L-405</b> 48000 lumens <b>162L-445</b> 52000 lumens <b>162L-485</b> 55000 lumens <b>162L-545</b> <sup>8</sup> 60000 lumens <b>CLO</b> Custom Lumen Output <sup>1</sup>				

Mounting	
<b>A</b>	Arm mount for square pole/flat surface
<b>A_</b>	Arm mount for round pole <sup>3</sup>
<b>ASQU</b>	Universal arm mount for square pole
<b>A_U</b>	Universal arm mount for round pole <sup>3</sup>
<b>AAU</b>	Adjustable arm for pole mounting (universal drill pattern)
<b>AA_U</b>	Adjustable arm mount for round pole <sup>3</sup>
<b>ADU</b>	Decorative upswept Arm (universal drill pattern)
<b>AD_U</b>	Decorative upswept arm mount for round pole <sup>3</sup>
<b>MAF</b>	Mast arm fitter for 2-3/8" OD horizontal arm
<b>K</b>	Knuckle
<b>T</b>	Trunnion
<b>WB</b>	Wall Bracket, horizontal tenon with MAF
<b>WM</b>	Wall mount bracket with decorative upswept arm
<b>WA</b>	Wall mount bracket with adjustable arm

Color	
<b>BLT</b>	Black Matte Textured
<b>BLS</b>	Black Gloss Smooth
<b>DBT</b>	Dark Bronze Matte Textured
<b>DBS</b>	Dark Bronze Gloss Smooth
<b>GTT</b>	Graphite Matte Textured
<b>LGS</b>	Light Grey Gloss Smooth
<b>LGT</b>	Light Grey Gloss Textured
<b>PSS</b>	Platinum Silver Smooth
<b>WHT</b>	White Matte Textured
<b>WHS</b>	White Gloss Smooth
<b>VGT</b>	Verde Green Textured
Color Option	
<b>CC</b>	Custom Color

Options	
<b>F</b>	Fusing
<b>E</b>	Battery Backup <sup>1,2,7,9</sup>
<b>2PF</b>	Dual Power Feed
<b>2DR</b>	Dual Driver
<b>TE</b>	Toolless Entry
<b>BC</b>	Backlight Control
<b>TB</b>	Terminal Block
<b>CD</b>	Customer Dimming

Network Control Options	
<b>NXWS16F</b>	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>14,5</sup>
<b>NXWS40F</b>	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>14,5</sup>
<b>NXW</b>	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor <sup>4,5</sup>
<b>WIR</b>	LightGRID+ In-Fixture Module <sup>4,5</sup>
<b>WIRSC</b>	LightGRID+ Module and Occupancy Sensor <sup>4,5</sup>
Stand Alone Sensors	
<b>BTS-14F</b>	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
<b>BTS-40F</b>	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming® Photocell and 360° Lens
<b>BTSO-12F</b>	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
<b>7PR</b>	7-Pin Receptacle <sup>4</sup>
<b>7PR-SC</b>	7-Pin Receptacle with shunting cap <sup>4</sup>
<b>7PR-TL</b>	7-Pin PCR with photocontrol
<b>3PR</b>	3-Pin twist lock <sup>4</sup>
<b>3PR-SC</b>	3-Pin receptacle with shunting cap <sup>4</sup>
<b>3PR-TL</b>	3-Pin PCR with photocontrol <sup>4</sup>
Programmed Controls	
<b>SCP_F</b>	Sensor Control Programmable, 8F or 40F <sup>11</sup>
<b>ADD</b>	AutoDim Timer Based Dimming <sup>12</sup>
<b>ADT</b>	AutoDim Time of Day Dimming <sup>12</sup>

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information.  
 2 – Battery temperature rating -20C to 55C  
 3 – Replace “\_” with “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole, “5” for 5.5”-6.5” OD pole  
 4 – Networked Controls cannot be combined with other control options  
 5 – Not available with 2PF option  
 6 – Not available with 480V  
 7 – Not available with 347 or 480V  
 8 – Not available with Dual Driver option

9 – Only available in Size 1 housing, up to 105 Watts  
 10 – Some voltage restrictions may apply when combined with controls  
 11 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.  
 12 – Please refer to page 8 for AutoDim ordering guide

# VIPER Area/Site

VIPER LUMINAIRE

## SILICONE STRIKE OPTIC – ORDERING GUIDE

**Example:** VP-SS-1-40L-75-4K7-4W-UNV-ASQU-BLT

CATALOG # \_\_\_\_\_

VP	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper	SS Strike Silicone	1 Size 1	<b>40L-35</b> 35W, 5,500 Lumens <b>40L-55</b> 55W, 7,500 Lumens <b>40L-65</b> 65W, 10,000 Lumens <b>40L-80</b> 80W, 12,500 Lumens <b>40L-100</b> 100W, 15,000 Lumens <b>40L-120</b> 120W, 17,500 Lumens <b>40L-140</b> 140W, 20,000 Lumens <b>40L-170</b> 170W, 22,500 Lumens <b>40L-195</b> 195W, 25,000 Lumens	<b>22K7</b> 2200K, 70 CRI <b>27K7</b> 2700K, 70 CRI <b>27K8</b> 2700K, 80 CRI <b>3K7</b> 3000K, 70 CRI <b>3K8</b> 3000K, 80 CRI <b>35K8</b> 3500K, 80 CRI <b>4K7</b> 4000K, 70 CRI <b>4K8</b> 4000K, 80 CRI	<b>2</b> Type 2 <b>3</b> Type 3 <b>4W</b> Type 4 Wide <b>4F</b> Type 4 Forward <b>5QM</b> Type 5 Square Medium <b>5QW</b> Type 5 Square Wide	<b>BLANK</b> <b>No Rotation</b> L Optic rotation left R Optic rotation right	<b>UNV</b> 120-277V <b>120</b> 120V <b>208</b> 208V <b>240</b> 240V <b>277</b> 277V <b>347</b> 347V <b>480</b> 480V
		2 Size 2	<b>80L-75</b> 75W, 12,500 Lumens <b>80L-90</b> 90W, 15,000 Lumens <b>80L-105</b> 105W, 17,500 Lumens <b>80L-130</b> 130W, 21,000 Lumens <b>80L-155</b> 155W, 24,000 Lumens <b>80L-175</b> 175W, 27,000 Lumens <b>80L-205</b> 205W, 30,000 Lumens <b>80L-225</b> 225W, 33,000 Lumens <b>80L-250</b> 250W, 36,000 Lumens <b>80L-280</b> 280W, 40,000 Lumens	<b>5K7</b> 5000K, 70 CRI <b>5K8</b> 5000K, 80 CRI			
		3 Size 3	<b>120L-190</b> 190W, 30,000 Lumens <b>120L-205</b> 205W, 33,000 Lumens <b>120L-230</b> 230W, 36,000 Lumens <b>120L-265</b> 265W, 40,000 Lumens <b>120L-295</b> 295W, 44,000 Lumens <b>120L-320</b> 320W, 48,000 Lumens <b>120L-355</b> 355W, 52,000 Lumens <b>120L-380</b> 380W, 55,000 Lumens <b>120L-420</b> 420W, 60,000 Lumens				
		4 Size 4	<b>180L-275</b> 275W, 44,000 Lumens <b>180L-295</b> 295W, 48,000 Lumens <b>180L-335</b> 335W, 52,000 Lumens <b>180L-360</b> 360W, 55,000 Lumens <b>180L-395</b> 395W, 60,000 Lumens <b>180L-435</b> 435W, 65,000 Lumens <b>180L-470</b> 470W, 70,000 Lumens <b>180L-510</b> 510W, 75,000 Lumens <b>180L-550</b> 550W, 80,000 Lumens				

# VIPER Area/Site

VIPER LUMINAIRE

## SILICONE STRIKE OPTIC – ORDERING GUIDE (CONTINUED)

Mounting		Color		Options		Network Control Options	
<b>A</b>	Arm mount for square pole/flat surface	<b>BLT</b>	Black Matte Textured	<b>BC</b>	Backlight Control (3%)	<b>NXWS16F</b>	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>1,4,5</sup>
<b>A_</b>	Arm mount for round pole <sup>3</sup>	<b>BLS</b>	Black Gloss Smooth	<b>MBC</b>	Max Backlight Control (1.5%)	<b>NXWS40F</b>	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>1,4,5</sup>
<b>ASQU</b>	Universal arm mount for square pole	<b>DBT</b>	Dark Bronze Matte Textured	<b>LCC</b>	Left Corner Control	<b>NXW</b>	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor <sup>4,5</sup>
<b>A_U</b>	Universal arm mount for round pole <sup>3</sup>	<b>DBS</b>	Dark Bronze Gloss Smooth	<b>RCC</b>	Right Corner Control	<b>WIR</b>	LightGRID+ In-Fixture Module <sup>4,5</sup>
<b>AAU</b>	Adjustable arm for pole mounting (universal drill pattern)	<b>GTT</b>	Graphite Matte Textured	<b>F</b>	Fusing	<b>WIRSC</b>	LightGRID+ Module and Occupancy Sensor <sup>4,5</sup>
<b>AA_U</b>	Adjustable arm mount for round pole <sup>3</sup>	<b>LGS</b>	Light Grey Gloss Smooth	<b>E</b>	Battery Backup <sup>1,2,7,8,9</sup>	<b>Stand Alone Sensors</b>	
<b>ADU</b>	Decorative upswept Arm (universal drill pattern)	<b>LGT</b>	Light Grey Gloss Textured	<b>2PF</b>	Dual Power Feed	<b>BTS-14F</b>	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
<b>AD_U</b>	Decorative upswept arm mount for round pole <sup>3</sup>	<b>PSS</b>	Platinum Silver Smooth	<b>2DR</b>	Dual Driver	<b>BTS-40F</b>	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming® Photocell and 360° Lens
<b>MAF</b>	Mast arm fitter for 2-3/8" OD horizontal arm	<b>WHT</b>	White Matte Textured	<b>TE</b>	Toolless Entry	<b>BTSO-12F</b>	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
<b>K</b>	Knuckle	<b>WHS</b>	White Gloss Smooth	<b>TB</b>	Terminal Block	<b>7PR</b>	7-Pin Receptacle <sup>4</sup>
<b>T</b>	Trunion	<b>VGT</b>	Verde Green Textured	<b>CD</b>	Customer Dimming	<b>7PR-SC</b>	7-Pin Receptacle with shorting cap <sup>4</sup>
<b>WB</b>	Wall Bracket, horizontal tenon with MAF	<b>Color Option</b>				<b>7PR-TL</b>	7-Pin PCR with photocontrol
<b>WM</b>	Wall mount bracket with decorative upswept arm	<b>CC</b>	Custom Color			<b>3PR</b>	3-Pin twist lock <sup>4</sup>
<b>WA</b>	Wall mount bracket with adjustable arm					<b>3PR-SC</b>	3-Pin receptacle with shorting cap <sup>4</sup>
						<b>3PR-TL</b>	3-Pin PCR with photocontrol <sup>4</sup>
						<b>Programmed Controls</b>	
						<b>SCP_F</b>	Sensor Control Programmable, 8F or 40F <sup>11</sup>
						<b>ADD</b>	AutoDim Timer Based Dimming <sup>12</sup>
						<b>ADT</b>	AutoDim Time of Day Dimming <sup>12</sup>

<sup>1</sup> – Items with a grey background can be done as a custom order. Contact brand representative for more information

<sup>2</sup> – Battery temperature rating -20C to 55C

<sup>3</sup> – Replace “\_” with “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole, “5” for 5.5”-6.5” OD pole

<sup>4</sup> – Networked Controls cannot be combined with other control options

<sup>5</sup> – Not available with 2PF option

<sup>6</sup> – Not available with 480V

<sup>7</sup> – Not available with 347 or 480V

<sup>8</sup> – Not available with Dual Driver option

<sup>9</sup> – Only available in Size 1 housing, up to 105 Watts

<sup>10</sup> – Some voltage restrictions may apply when combined with controls

<sup>11</sup> – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.

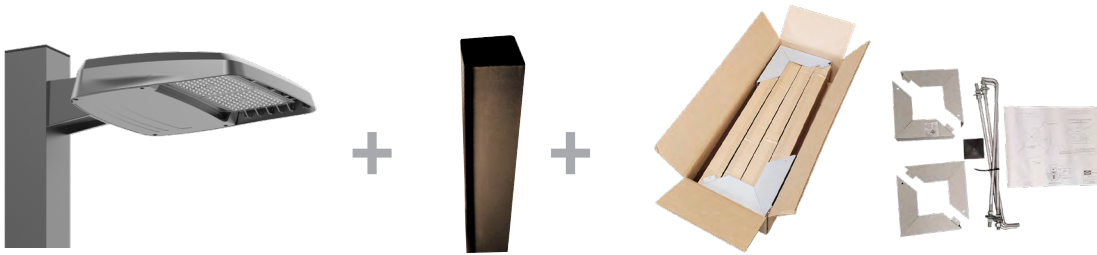
<sup>12</sup> – Please refer to page 8 for AutoDim ordering guide



# VIPER Area/Site

VIPER LUMINAIRE

## VIPER POLE EXPRESS COMBO – ORDERING GUIDE



Catalog Number	Pole	Single or Double Head	Fixture	Lumens*	Wattage	Distribution	CCT/CRI	Mounting	Finish
VP-1-160-4K-3-LS-S20	20' Square Straight Steel	Single	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20	20' Square Straight Steel	Single	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25	25' Square Straight Steel	Single	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25	25' Square Straight Steel	Single	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20	20' Square Straight Steel	Single	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20	20' Square Straight Steel	Single	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25	25' Square Straight Steel	Single	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25	25' Square Straight Steel	Single	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured

## VIPER POLE EXPRESS COMBO – STOCK LUMINAIRE SKUS

Catalog Number	Lumens	LPW	Distribution	Wattage	CCT/CRI	Voltage	Mounting	Finish
VP-1-160-4K-3-LS	19584	123.9	3	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-4K-4F-LS	19426	122.9	4F	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-3-LS	19499	123.4	3	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-4F-LS	19186	121.4	4F	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured

## VIPER POLE EXPRESS COMBO – ACCESSORIES











Catalog Number	Description
VM14DB	Vibration Dampener, mounts to top of pole for reduced vibration



# VIPER Area/Site

VIPER LUMINAIRE

## OUTDOOR LIGHTING CONTROLS OPTIONS    CONTROLS FUNCTIONALITY    LIGHT GRID<sup>+</sup>

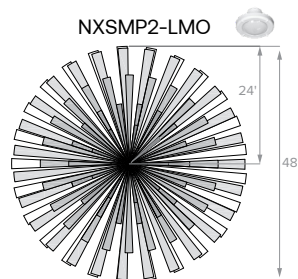
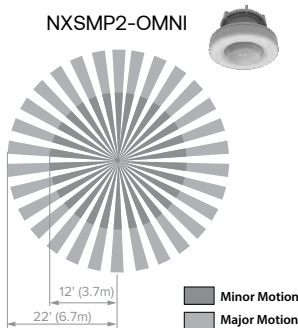
Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
<b>NX Wireless</b> NXOFM2-1RID-UNV NX 7-Pin Twist-Lock® with NX Networked Wireless Radio, Integral Automatic Dimming Photocell, Integral Single Pole Relay with Dimming, and Bluetooth Programming	✓	✓	✓	Paired with external control	✓	✓	✓	✓	-		NXOFM-1RID-UV
NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
NXWS12F NX Networked Wireless Enabled Integral NXSMP2-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	12ft		NXSMP2-OMNI-O
NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
NXWS40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
<b>LightGRID+</b> WIR LightGRID+ In-Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-		WIR
WIR-RME-L LightGRID+ On Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-		WIR-RME-L
WIRSC LightGRID+ Module and Occupancy Sensor	✓	✓	✓	✓	✓	✓	✓	Gateway	14ft - 40ft		BTMSP
<b>Independent</b> BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	12ft		BTSMP-OMNI-O
BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	14ft		BTSMP-LMO
BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	40ft		BTSMP-HMO

### DEFAULT SETTINGS

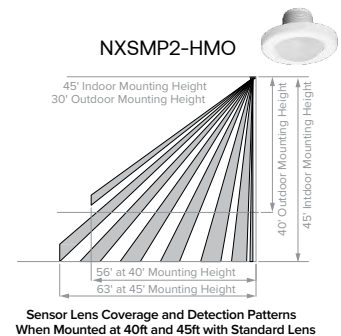
<b>NX Wireless</b>	<b>Occupancy Sensor</b>	Enabled
	<b>Occupancy Sensor Sensitivity</b>	7
	<b>Occupancy Sensor Timeout</b>	15 Minutes
	<b>Occupied Dim Level</b>	100%
	<b>Unoccupied Dim Level</b>	0%
	<b>Daylight Sensor</b>	Disabled
	<b>Bluetooth</b>	Enabled
	<b>2.4GHz Wireless Mesh</b>	On
	<b>*Passcode Factory Passcode: HubbN3T!*</b>	Enabled

<b>Stand Alone</b>	<b>Occupancy Sensor</b>	Enabled
	<b>Occupancy Sensor Sensitivity</b>	7
	<b>Occupancy Sensor Timeout</b>	8 Minutes
	<b>Occupied Dim Level</b>	100%
	<b>Unoccupied Dim Level</b>	50%
	<b>Daylight Sensor</b>	Disabled

### NX WIRELESS COVERAGE PATTERNS



Sensor Lens Coverage and Detection Patterns When Mounted at 8ft with Low Mount Lens



# VIPER Area/Site

VIPER LUMINAIRE

## NX LIGHTING CONTROLS FREE APP

## CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: [https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en\\_US&q=US](https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&q=US)



Apple App

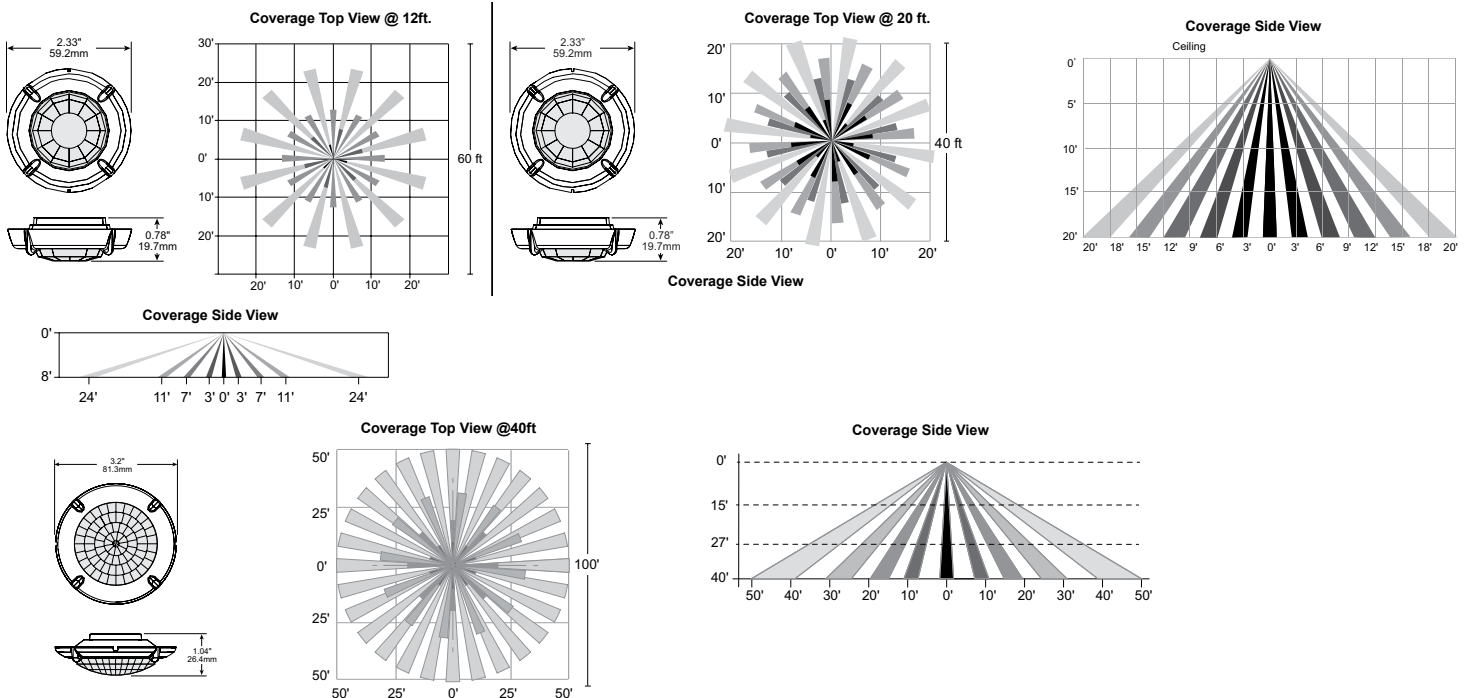


Google Play

## OUTDOOR LIGHTING CONTROLS OPTIONS    CONTROLS FUNCTIONALITY

Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
SCP_F    Sensor Control Programmable, 8F or 40F	-	-	-	✓	✓	✓	✓	-	8ft or 40ft	SCP_F	
ADD    AutoDIM Timer Based Dimming	-	-	✓	-	-	-	✓	-	-	ADD	
ADT    AutoDIM Time of Day Dimming	-	-	✓	-	-	-	✓	-	-	ADT	
7PR    7-Pin Receptacle	-	-	Paired with external control	-	Paired with external control	-	Paired with external control	-	-	7PR	
7PR-SC    7-Pin Receptacle with shorting cap	-	-	-	-	-	-	-	-	-	7PR-SC	
3PR    3-Pin twist lock	-	-	-	-	-	-	Paired with external control	-	-	3PR	
3PR-SC    3-Pin Receptacle with shorting cap	-	-	-	-	-	-	-	-	-	3PR-SC	
3PR-TL    3-Pin with photocontrol	-	-	-	-	✓	-	✓	-	-	3PR-TL	

## COVERAGE PATTERNS FOR SCP\_F



# VIPER Area/Site

VIPER LUMINAIRE

## PROGRAMMED CONTROLS

### ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6 - Delay 6 hours
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50% brightness
Auto-Dim Return	Delay 0-9 Hours	R6 - Return to full output after 6 hours

### ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6 - Dim at 6PM
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50%
Auto-Dim Return	12-6 AM and 9-11P	R6 - Return to full output at 6AM

## ORDERING GUIDE

Auto Dim Code	Timer Base (ADD) Auto-Dim Options		Auto Dim Cod	Time of Day (ADT) Auto-Dim Options	Code	Auto-Dim Brightness	Code	Auto-Dim Return Options	Code	Auto-Dim Brightness
D1	Delay 1 hour	OR	T0	Delay Midnight	0	100% Brightness	R1	Delay 1 hour or 1 AM	0	100% Brightness
D2	Delay 2 hours		T1	Delay 1 AM	1	10% Brightness	R2	Delay 2 hours or 2 AM	1	10% Brightness
D3	Delay 3 hours		T2	Delay 2 AM	2	20% Brightness	R3	Delay 3 hours or 3 AM	2	20% Brightness
D4	Delay 4 hours		T3	Delay 3 AM	3	30% Brightness	R4	Delay 4 hours or 4 AM	3	30% Brightness
D5	Delay 5 hours		T4	Delay 10 PM	4	40% Brightness	R5	Delay 5 hours or 5 AM	4	40% Brightness
D6	Delay 6 hours		T5	Delay 11 PM	5	50% Brightness	R6	Delay 6 hours or 6 AM	5	50% Brightness
D7	Delay 7 hours		T6	Delay 6 PM	6	60% Brightness	R7	Delay 7 hours or 7 AM	6	60% Brightness
D8	Delay 8 hours		T7	Delay 7 PM	7	70% Brightness	R8	Delay 8 hours or 8 AM	7	70% Brightness
D9	Delay 9 hours		T8	Delay 8 PM	8	80% Brightness	R9	Delay 9 hours or 9 AM	8	80% Brightness
D0	Delay 0 hours		T9	Delay 9 PM	9	90% Brightness	R0	Delay 0 hours or 12 AM	9	90% Brightness

## DELIVERED LUMENS

For delivered lumens, please see Lumens Data PDF on [www.Currentlighting.com](http://www.Currentlighting.com)

## PROJECTED LUMEN MAINTENANCE

Ambient Temp.	0	25,000	*TM-21-11 36,000	50,000	100,000	Calculated L <sub>70</sub> (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier	Micro Strike Lumen Multiplier				Strike Lumen Multiplier			
°C	°F		CCT	70 CRI	80 CRI	90 CRI	CCT	70 CRI	80 CRI	90 CRI
0°C	32°F	1.03	2700K	-	0.841	-	2700K	0.9	0.81	0.62
10°C	50°F	1.01	3000K	0.977	0.861	0.647	3000K	0.933	0.853	0.659
20°C	68°F	1.00	3500K	-	0.900	-	3500K	0.959	0.894	0.711
25°C	77°F	1.00	4000K	1	0.926	0.699	4000K	1	0.9	0.732
30°C	86°F	0.99	5000K	1	0.937	0.791	5000K	1	0.9	0.732
40°C	104°F	0.98	AP-Amber Phosphor Converted Multiplier				Monochromatic Amber Multiplier			
			Amber	0.710			Amber	See Amber Spec Sheet		

# VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

## ELECTRICAL DATA: MICRO STRIKE

# OF LEDS	160						
NOMINAL WATTAGE	35	50	75	100	115	135	160
SYSTEM POWER (W)	34.9	50.5	72.1	97.2	111.9	132.2	157.8
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.29	0.42	0.63	0.83	0.96	1.13	1.33
208	0.17	0.24	0.36	0.48	0.55	0.65	0.77
240	0.15	0.21	0.31	0.42	0.48	0.56	0.67
277	0.13	0.18	0.27	0.36	0.42	0.49	0.58
347	0.10	0.14	0.22	0.29	0.33	0.39	0.46
480	0.07	0.10	0.16	0.21	0.24	0.28	0.33

# OF LEDS	320						
NOMINAL WATTAGE	145	170	185	210	235	255	315
SYSTEM POWER (W)	150	166.8	185.7	216.2	240.9	261.5	312
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	1.21	1.42	1.54	1.75	1.96	2.13	2.63
208	0.70	0.82	0.89	1.01	1.13	1.23	1.51
240	0.60	0.71	0.77	0.88	0.98	1.06	1.31
277	0.52	0.61	0.67	0.76	0.85	0.92	1.14
347	0.42	0.49	0.53	0.61	0.68	0.73	0.91
480	0.30	0.35	0.39	0.44	0.49	0.53	0.66

# OF LEDS	480					
NOMINAL WATTAGE	285	320	340	390	425	470
SYSTEM POWER (W)	286.2	316.7	338.4	392.2	423.2	468
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.38	2.67	2.83	3.25	3.54	3.92
208	1.37	1.54	1.63	1.88	2.04	2.26
240	1.19	1.33	1.42	1.63	1.77	1.96
277	1.03	1.16	1.23	1.41	1.53	1.70
347	0.82	0.92	0.98	1.12	1.22	1.35
480	0.59	0.67	0.71	0.81	0.89	0.98

# OF LEDS	720				
NOMINAL WATTAGE	435	475	515	565	600
SYSTEM POWER (W)	429.3	475	519.1	565.2	599.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	3.63	3.96	4.29	4.71	5.00
208	2.09	2.28	2.48	2.72	2.88
240	1.81	1.98	2.15	2.35	2.50
277	1.57	1.71	1.86	2.04	2.17
347	1.25	1.37	1.48	1.63	1.73
480	0.91	0.99	1.07	1.18	1.25

# VIPER Area/Site

VIPER LUMINAIRE

## ELECTRICAL DATA: STRIKE

# OF LEDS	36				
NOMINAL WATTAGE	39	55	85	105	120
SYSTEM POWER (W)	39.6	56.8	83.6	108.2	120.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.33	0.46	0.71	0.88	0.96
208	0.19	0.26	0.41	0.50	0.55
240	0.16	0.23	0.35	0.44	0.48
277	0.14	0.20	0.31	0.38	0.42
347	0.11	0.16	0.24	0.30	0.33
480	0.08	0.11	0.18	0.22	0.24

# OF LEDS	72				
NOMINAL WATTAGE	115	145	180	210	240
SYSTEM POWER (W)	113.7	143.2	179.4	210.2	241.7
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	1.00	1.21	1.50	1.75	1.79
208	0.58	0.70	0.87	1.01	1.03
240	0.50	0.60	0.75	0.88	0.90
277	0.43	0.52	0.65	0.76	0.78
347	0.35	0.42	0.52	0.61	0.62
480	0.25	0.30	0.38	0.44	0.45

# OF LEDS	108				
NOMINAL WATTAGE	215	250	280	325	365
SYSTEM POWER (W)	214.8	250.8	278.3	324.7	362.6
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	2.00	2.08	2.33	3.04	2.67
208	1.15	1.20	1.35	1.75	1.54
240	1.00	1.04	1.17	1.52	1.33
277	0.87	0.90	1.01	1.32	1.16
347	0.69	0.72	0.81	1.05	0.92
480	0.50	0.52	0.58	0.76	0.67

# OF LEDS	162					
NOMINAL WATTAGE	320	365	405	445	485	545
SYSTEM POWER (W)	322.1	362.6	403.6	445.1	487.1	543.9
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.71	2.67	3.38	3.71	4.04	4.54
208	1.56	1.54	1.95	2.14	2.33	2.62
240	1.35	1.33	1.69	1.85	2.02	2.27
277	1.17	1.16	1.46	1.61	1.75	1.97
347	0.94	0.92	1.17	1.28	1.40	1.57
480	0.68	0.67	0.84	0.93	1.01	1.14

# VIPER Area/Site

VIPER LUMINAIRE

## ELECTRICAL DATA: SILICONE STRIKE

# OF LEDS	40								
NOMINAL WATTAGE (W)	35	55	65	80	100	120	140	170	195
SYSTEM POWER (W)	34.4	47.4	63.3	82.2	101.7	121.6	141.4	168.8	193.0
INPUT VOLTAGE (V)	CURRENT (A)								
120	0.29	0.40	0.53	0.69	0.85	1.01	1.18	1.41	1.61
208	0.17	0.23	0.30	0.40	0.49	0.58	0.68	0.81	0.93
240	0.14	0.20	0.26	0.34	0.42	0.51	0.59	0.70	0.80
277	0.12	0.17	0.23	0.30	0.37	0.44	0.51	0.61	0.70
347	0.10	0.14	0.18	0.24	0.29	0.35	0.41	0.49	0.56
480	0.07	0.10	0.13	0.17	0.21	0.25	0.29	0.35	0.40

# OF LEDS	80									
NOMINAL WATTAGE (W)	75	90	105	130	155	175	205	225	250	280
SYSTEM POWER (W)	74.0	87.0	105.3	131.9	153.5	175.4	203.4	226.1	249.0	281.0
INPUT VOLTAGE (V)	CURRENT (A)									
120	0.62	0.73	0.88	1.10	1.28	1.46	1.70	1.88	2.08	2.34
208	0.36	0.42	0.51	0.63	0.74	0.84	0.98	1.09	1.20	1.35
240	0.31	0.36	0.44	0.55	0.64	0.73	0.85	0.94	1.04	1.17
277	0.27	0.31	0.38	0.48	0.55	0.63	0.73	0.82	0.90	1.01
347	0.36	0.42	0.51	0.63	0.74	0.84	0.98	1.09	1.20	1.35
480	0.15	0.18	0.22	0.27	0.32	0.37	0.42	0.47	0.52	0.59

# OF LEDS	120									
NOMINAL WATTAGE (W)	190	205	230	265	295	320	355	380	420	
SYSTEM POWER (W)	189.8	206.0	230.3	263.2	296.5	322.0	356.3	382.3	421.6	
INPUT VOLTAGE (V)	CURRENT (A)									
120	1.58	1.72	1.92	2.19	2.47	2.68	2.97	3.19	3.51	
208	0.91	0.99	1.11	1.27	1.43	1.55	1.71	1.84	2.03	
240	0.79	0.86	0.96	1.10	1.24	1.34	1.48	1.59	1.76	
277	0.69	0.74	0.83	0.95	1.07	1.16	1.29	1.38	1.52	
347	0.55	0.59	0.66	0.76	0.85	0.93	1.03	1.10	1.21	
480	0.40	0.43	0.48	0.55	0.62	0.67	0.74	0.80	0.88	

# OF LEDS	180									
NOMINAL WATTAGE (W)	275	295	335	360	395	435	470	510	550	
SYSTEM POWER (W)	272.7	296.8	333.2	357.8	394.7	432.4	470.2	508.7	547.4	
INPUT VOLTAGE (V)	CURRENT (A)									
120	2.27	2.47	2.78	2.98	3.29	3.60	3.92	4.24	4.56	
208	1.31	1.43	1.60	1.72	1.90	2.08	2.26	2.45	2.63	
240	1.14	1.24	1.39	1.49	1.64	1.80	1.96	2.12	2.28	
277	0.98	1.07	1.20	1.29	1.42	1.56	1.70	1.84	1.98	
347	0.79	0.86	0.96	1.03	1.14	1.25	1.36	1.47	1.58	
480	0.57	0.62	0.69	0.75	0.82	0.90	0.98	1.06	1.14	

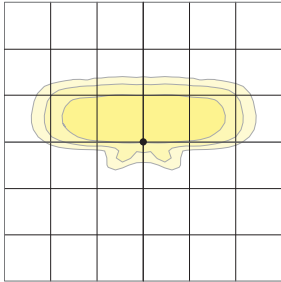
# VIPER Area/Site

VIPER LUMINAIRE

## MICRO STRIKE PHOTOMETRY

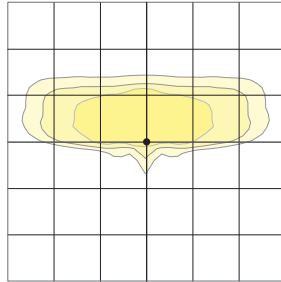
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

**Type 2**



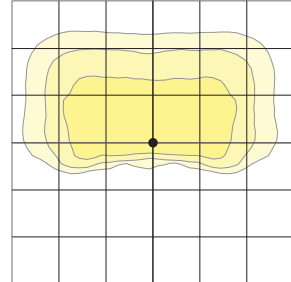
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 3**



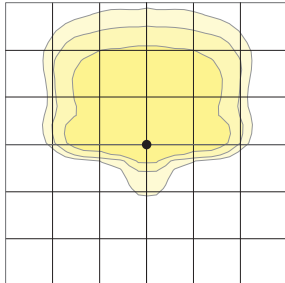
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 4 Wide**



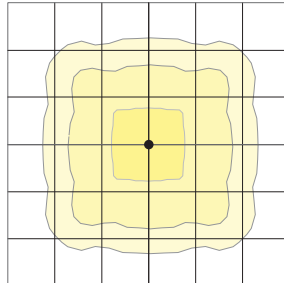
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 4F**



Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 5QW**



Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

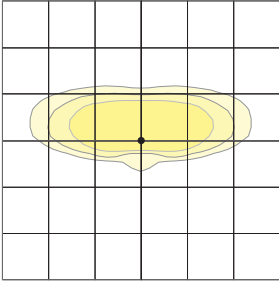
# VIPER Area/Site

VIPER LUMINAIRE

## OPTIC STRIKE PHOTOMETRY

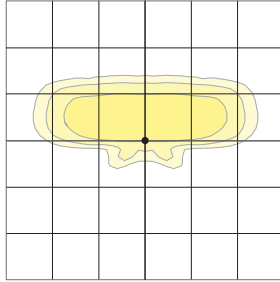
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

**Type FR – Front Row/Auto Optic**



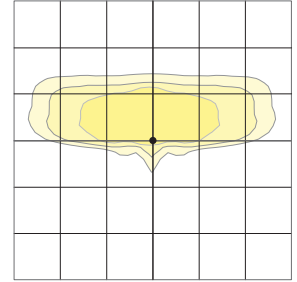
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 2**



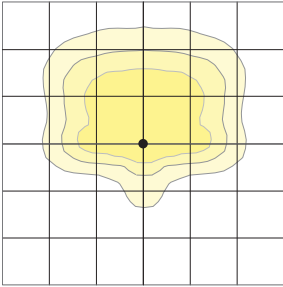
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 3**



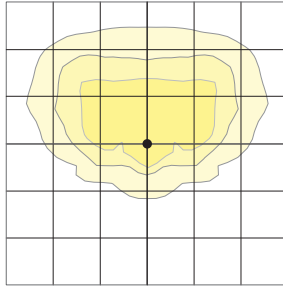
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 4 Forward**



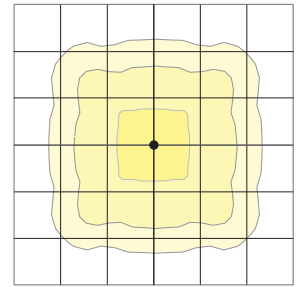
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 4 Wide**



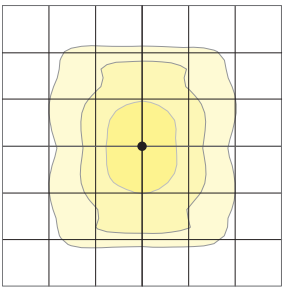
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 5QM**



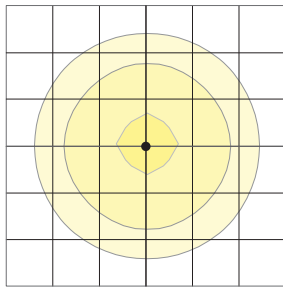
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 5RW (rectangular)**



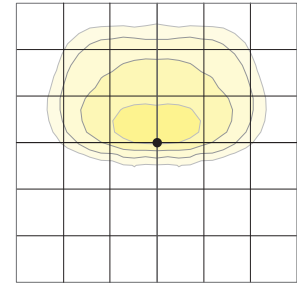
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 5W (round wide)**



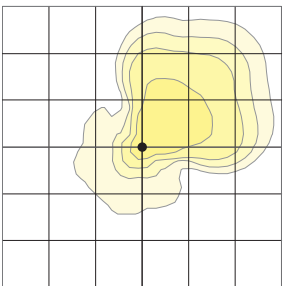
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type TC**



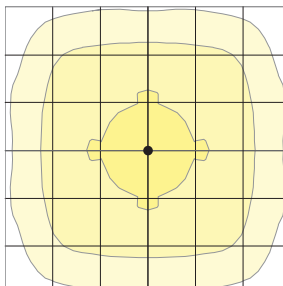
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type Corner**



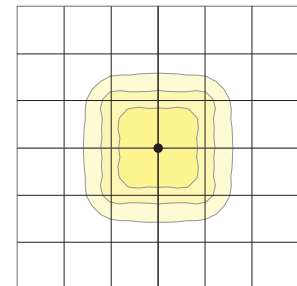
Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 5QW**



Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

**Type 5QN**



Mounting Height: 20 ft  
Scale: 1 inch = 20 ft

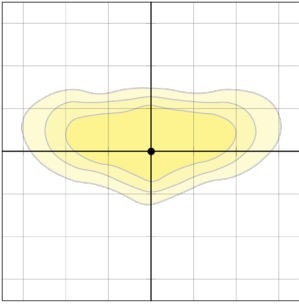
# VIPER Area/Site

VIPER LUMINAIRE

## SILICONE OPTIC STRIKE PHOTOMETRY

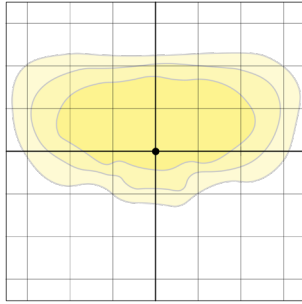
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

**Type 2**



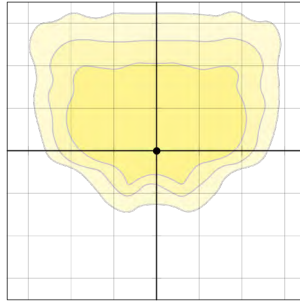
Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

**Type 3**



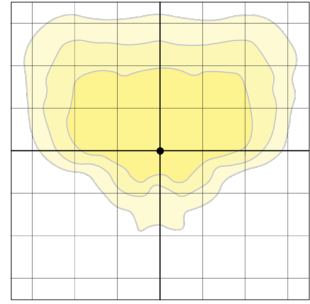
Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

**Type 4 Forward**



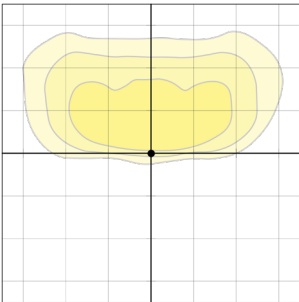
Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

**Type 4 Wide**



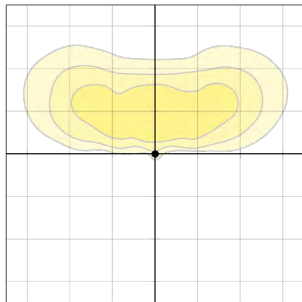
Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

**Type 4WBC**



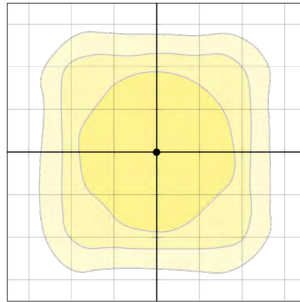
Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

**Type 4WMBC**



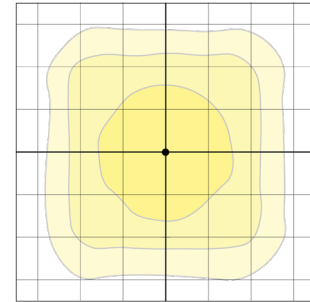
Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

**Type 5QM**



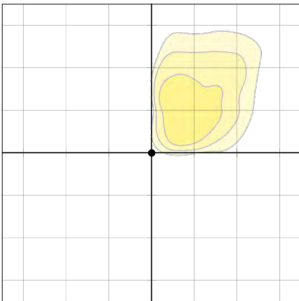
Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

**Type 5QW**



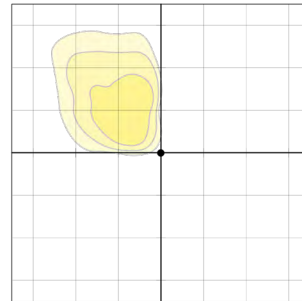
Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

**Type LCC**



Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

**Type RCC**



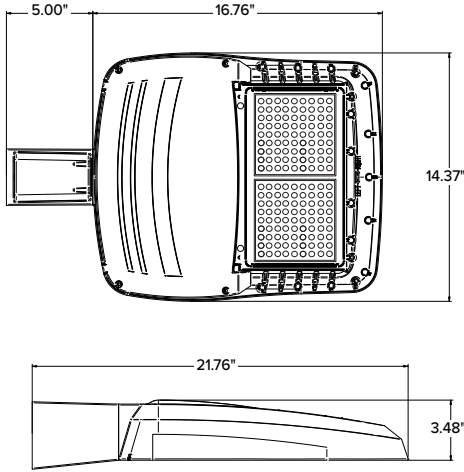
Mounting Height: 20 ft  
Scale: 1 inch = 25 ft

# VIPER Area/Site

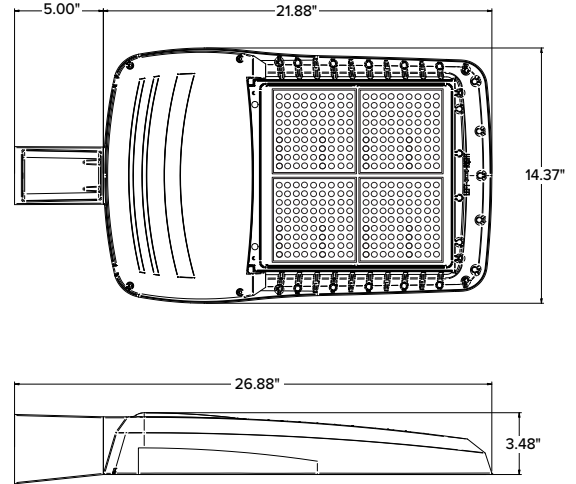
VIPER LUMINAIRE

## DIMENSIONS

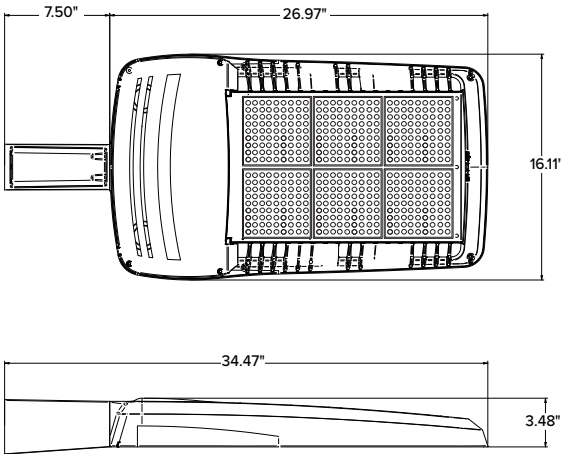
### SIZE 1



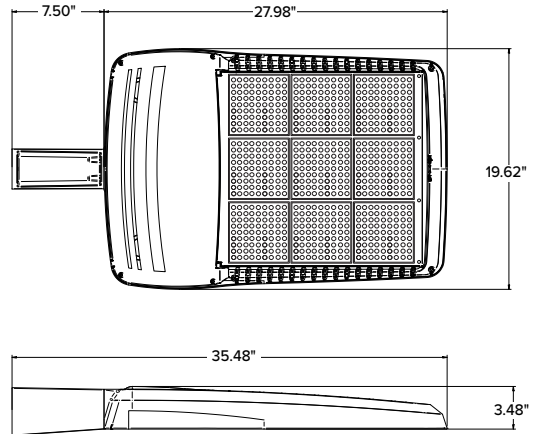
### SIZE 2









### SIZE 3



### SIZE 4



	EPA				Config.
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

	Weight	
	lbs	kgs
VP1 (Size 1)	13.7	6.2
VP2 (Size 2)	16.0	7.26
VP3 (Size 3)	25.9	11.7
VP4 (Size 4)	30.8	13.9

# VIPER Area/Site

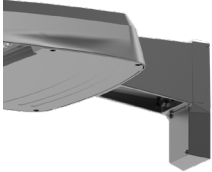
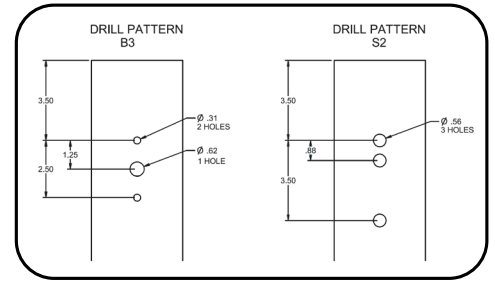
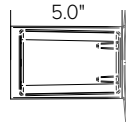
VIPER LUMINAIRE

## MOUNTING



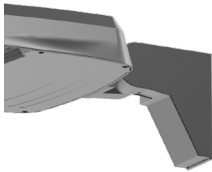
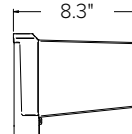
### A-STRAIGHT ARM MOUNT

Fixture ships with integral arm for ease of installation. Compatible with Current Outdoor B3 drill pattern for ease of installation on square poles. For round poles add applicable suffix (2/3/4/5)



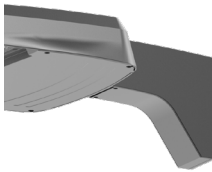
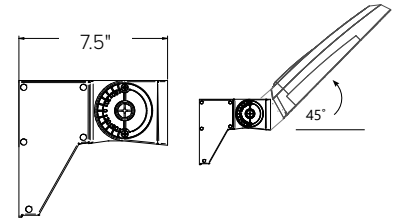
### ASQU-UNIVERSAL ARM MOUNT

Universal mounting block for ease of installation. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5)



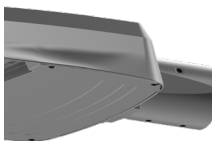
### AAU-ADJUSTABLE ARM FOR POLE MOUNTING

Rotatable arm mounts directly to pole. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2 and B3. For round poles add applicable suffix (2/3/4/5). Rotatable in 5° aiming angle increments. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



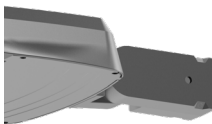
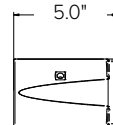
### ADU-DECORATIVE UPSWEPT ARM

Upswept Arm compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5).



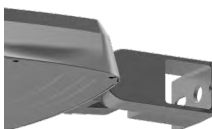
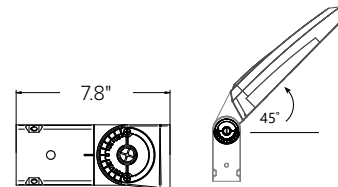
### MAF-MAST ARM FITTER

Fits 2-3/8" OD horizontal tenons.



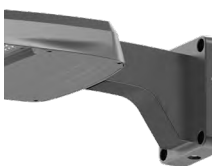
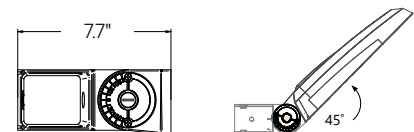
### K-KNUCKLE

Rotatable in 5-degree aiming angle increments, fits 2-3/8" tenons or pipes. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



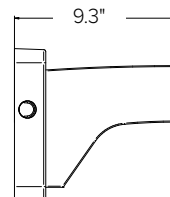
### T-TRUNNION

Trunnion for surface and crossarm mounting using (1) 3/4" or (2) 1/2" size through bolts. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



### WM-WALL MOUNT

Compatible with universal arm mount, adjustable arm mount, and decorative arm mount. The WA option uses the same wall bracket but replaces the decorative arm with an adjustable arm.



# VIPER Area/Site

VIPER LUMINAIRE

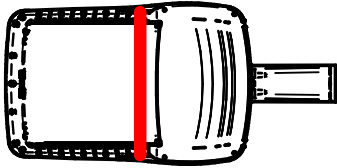
## ADDITIONAL INFORMATION (CONTINUED)

### HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

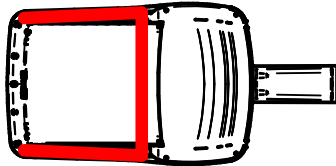
HSS has a depth of 5" for all Viper sizes

Not to be used with Occupancy Sensors as the shield may block the light to the sensor.

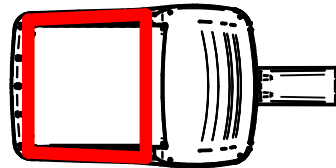
VPR2x HSS-90-B-xx



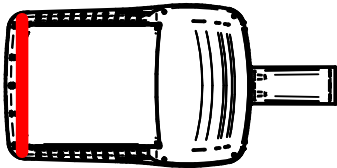
VPR2x HSS-270-BSS-xx



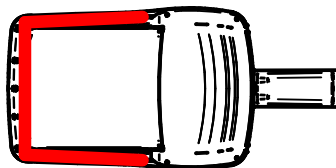
VPR2x HSS-360-xx



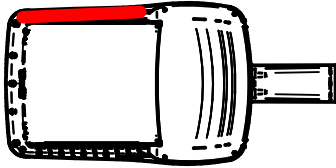
VPR2x HSS-90-F-xx



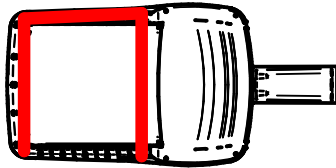
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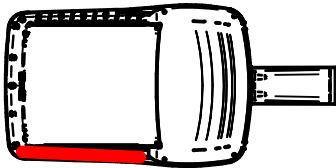
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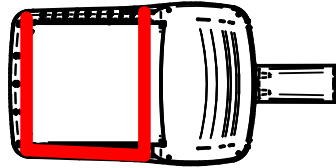
VPR2x HSS-270-FSB-xx



VPR2x HSS-90-S-xx



VPR2x HSS-270-FSB-xx



# VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

## FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Strike and Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual Comfort - Option for Size 2 and Size 3
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, and LightGRID+.
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada



## CONTROL TECHNOLOGY



## SPECIFICATIONS

### CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating

### OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 2700K, 3000K, 3500K, 4000K and 5000K CCTs
- Zero uplight distributions
- LED optics provide IES type II, III and IV distributions.

### INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.

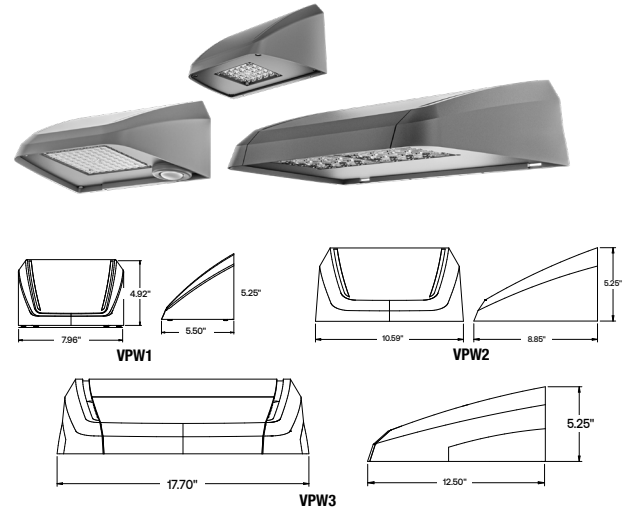
### ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V input is available in most wattage, 480V is available for 55W and above.
- Ambient operating temperature -40°C to 40°C
- Driver RoHS and IP66
- 10kV Surge Protector optional
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one same fixture.
- Dimming drivers are standard. Select CD (Customer Dimming) for the dimming wires to be extended outside the fixture.

### CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- Button photocontrol is suitable for 120-277V operation
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor

## MICRO STRIKE | OPTICS STRIKE



	Weight
VPW1	4.1 lbs / 1.86 kg
VPW2	7.15 lbs / 3.24 kg
VPW3	17.1 lbs / 7.80 kg

### CONTROLS CONTINUED

- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Battery Backup suitable for operating temperatures -20°C to 40°C.
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor.

### CERTIFICATIONS

- Certified to UL 1598 and CSA 22.2#250.0-24
- IP65 rated housing
- Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225- 11). See Buy America(n) Solutions (link to <https://http://www.currentlighting.com/resources/americasolutions>).
- DarkSky approved with 3000K CCT or warmer

### WARRANTY

- 5 year limited warranty

# VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

## ORDERING GUIDE

Example: VPW1-24L-10-3K7-2-UNV-BLS

 CATALOG # 

Series	Optic Platform	# LEDs - Wattage	CCT/CRI	Distribution	Voltage	Color
VPW1 Viper Wall 1	(blank) Microstrike ST Strike	24L-10 1,000 Lumens	27K8 2700K, 80 CRI <sup>16</sup>	FR Auto Front Row <sup>7,15</sup>	UNV 120-277V	BLT Black Matte Textured
		24L-15 2,000 Lumens	3K7 3000K, 70 CRI <sup>16</sup>	2 IES TYPE 2	120 120V	BLS Black Gloss Smooth
		24L-25 3,000 Lumens	4K7 4000K, 70 CRI	3 IES TYPE 3	208 208V	DBT Dark Bronze Matte Textured
		48L-15 2,000 Lumens	5K7 5000K, 70 CRI	4F IES TYPE 4 Forward	240 240V	DBS Dark Bronze Gloss Smooth
		48L-20 3,000 Lumens	3K8 3000K, 80 CRI	4W IES TYPE 4W	277 277V	GTT Graphite Matte Textured
		48L-30 4,000 Lumens	35K8 3500K, 80 CRI		347 347V	LGS Light Grey Gloss Smooth
		48L-35 5,000 Lumens	4K8 4000K, 80 CRI		480 480V	LGTT Light Grey Matte Textured
		48L-45 6,000 Lumens	5K8 5000K, 80 CRI			PSS Platinum Silver Smooth
		80L-20 3,000 Lumens	AP Phosphor Converted Amber <sup>1</sup>			WHT White Matte Textured
		80L-25 4,000 Lumens				WHS White Gloss Smooth
VPW2 Viper Wall 2		80L-35 5,000 Lumens				VGT Verde Green Textured
		80L-45 6,000 Lumens				<b>Color Option</b>
		80L-55 7,000 Lumens				CC Custom Color
		80L-65 8,000 Lumens				
		80L-70 8,500 Lumens				
		18L-25 3,000 Lumens, Strike Optics				
		18L-30 4,000 Lumens, Strike Optics				
		18L-39 4,750 Lumens, Strike Optics				
		18L-50 6,000 Lumens, Strike Optics				
		18L-60 6,500 Lumens, Strike Optics				
VPW3 Viper Wall 3		160L-45 7,000 Lumens				
		160L-70 10,000 Lumens				
		160L-95 12,500 Lumens				
		160L-105 15,000 Lumens				
		160L-135 17,500 Lumens				
		160L-155 20,000 Lumens				
		36L-55 7,000 Lumens, Strike Optics				
		36L-80 9,500 Lumens, Strike Optics				
		36L-100 11,500 Lumens, Strike Optics				
		36L-120 13,000 Lumens, Strike Optics				

Control Options Network <sup>3,7,11,13</sup>	
<b>NXWS12F</b>	NX Networked Wireless Enabled Integral NXSMP2-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>14</sup>
<b>NXWS16F</b>	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>9</sup>
<b>NXWS40F</b>	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming <sup>9</sup>
<b>NXW</b>	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor
<b>WIR</b>	LightGRID+ In-Fixture Module <sup>9</sup>
<b>WIRSC</b>	LightGRID+ In-Fixture Module with BTS occupancy <sup>9</sup>
Stand Alone Sensors <sup>7,11,13</sup>	
<b>BTS-14F</b>	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor <sup>4,9</sup>
<b>BTS-40F</b>	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor <sup>4,9</sup>
<b>BTSO-12F</b>	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height <sup>14</sup>
Photocontrol <sup>13</sup>	
<b>PC</b>	Button Photocontrol 120-277V

Options	
<b>F</b>	Fusing <sup>5,7</sup>
<b>E</b>	Battery <sup>6,7,8</sup>
<b>EH</b>	Battery with Heater <sup>6,7,8</sup>
<b>CS</b>	Comfort Shield <sup>7,10</sup>
<b>SP</b>	10kA Surge Protector
<b>2PF</b>	Dual Power Feed <sup>2,7,8,17</sup>
<b>2DR</b>	Dual Driver <sup>2,7,8,17</sup>
<b>CD</b>	Customer Dimming <sup>12</sup>
<b>DTS</b>	Dimming Transfer Switch <sup>7</sup>

**Notes:**

- Available with Micro Strike Optics only
- Not available with 480V in Size 1 and Size 2
- Networked controls cannot be combined with other control options
- Not available with VPW1 or with 2PF or 2DR options
- Must specify voltage (VPW1 & VPW2: 120V, 277V or 347V; VPW3: 120V, 208V, 240V, 277V, 347V or 480V)
- See page 10 for detail Battery configurations
- Not available in VPW1
- 2PF can't be combined with E or EH; 2DR can't be combined with E or EH in VPW2
- Not available in VPW1 and VPW2
- Not available with Micro Strike 24L and 48L. Not available with Strike 18L and 36L
- Not available with 2PF
- Not available with Network Control options or Stand Alone Sensors. Can be ordered with PC
- Not available in 480V in VPW2; Only available in 480V in VPW3 in 80W, 100W, 120W, 135W and 155W
- NXWS12F and BTSO-12F are the only sensors available in VPW2
- Available with Strike Optics only (18L or 36L)
- DarkSky approved with 3000K CCT or warmer
- Not available in Size 2 80L

# VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

## ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
<input type="checkbox"/> <b>WP-BB-XXX</b>	Back Box Accessory for conduit entry <sup>1</sup>
<input type="checkbox"/> <b>CS</b>	Comfort Shield <sup>2</sup>








Notes:

- replace "xxx" with color option
- Not available with Micro Strike 24L and 48L or Strike 18L and 36L

## CONTROLS FUNCTIONALITY

### OUTDOOR LIGHTING CONTROLS OPTIONS



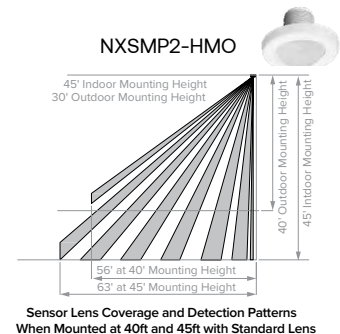
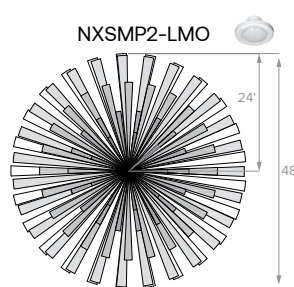
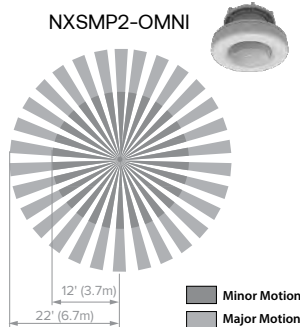
Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
<b>NX Wireless</b> NXW NX Networked Wireless Radio Module NXR2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	✓	-	 NXRM2-H
NXWS16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	✓	16ft	 NXSMP2-LMO
NXWS40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	✓	40ft	 NXSMP2-HMO
<b>LightGRID+</b> WIR LightGRID+ In-Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-	-	 WIR
<b>Independent</b> BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	✓	12ft	 BTSMP-OMNI-O
BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	✓	14ft	 BTSMP-LMO
BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	✓	40ft	 BTSMP-HMO

## DEFAULT SETTINGS

<b>NX Wireless</b> Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	15 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	0%
Daylight Sensor	Disabled
Bluetooth	Enabled
2.4GHz Wireless Mesh	Off
*Passcode Factory Passcode: HubbN3T!	Enabled

<b>Stand Alone</b> Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	8 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	0% (Off)
Daylight Sensor	Disabled

## NX WIRELESS COVERAGE PATTERNS



# VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

## NX LIGHTING CONTROLS FREE APP

## CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: [https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en\\_US&gl=US](https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&gl=US)



Apple App



Google Play

## LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF) PROJECTED LUMEN MAINTENANCE

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98
50°C	122°F	0.97

Ambient Temp.	OPERATING HOURS		
	0	25,000	TM-21-22 60,000
25°C / 77°F	1.00	0.91	0.83
40°C / 104°F	0.99	0.90	0.82

Lumen maintenance values calculated per TM-21 using six times the LM-80 test time for the LED and in-situ thermal testing of the luminaire.

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

## MULTIPLIER

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	-	0.841	-
3000K	0.977	0.861	0.647
3500K	-	0.900	-
4000K	1	0.926	0.699
5000K	1	0.937	0.791
Monochromatic Amber Multiplier			
Amber	0.710		

Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	0.9	0.81	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1	0.9	0.732
5000K	1	0.9	0.732
Monochromatic Amber Multiplier			
Amber	<a href="#">See Amber Spec Sheet</a>		

## PERFORMANCE DATA: MICROSTRIKE

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)					
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	
VPW1	24L	10	6.6	2	1068	141	0	0	0	1068	141	0	0	0	989	131	0	0	0	
				3	1076	142	0	0	1	1076	142	0	0	1	997	131	0	0	1	
				4F	1052	139	0	0	1	1052	139	0	0	1	974	129	0	0	1	
				4W	1041	137	0	0	1	1041	137	0	0	1	964	127	0	0	1	
	24L	15	14	14	2	1993	129	1	0	0	1993	129	1	0	0	1845	119	1	0	0
					3	2008	130	1	0	1	2008	130	1	0	1	1859	120	0	0	1
					4F	1964	127	0	0	1	1964	127	0	0	1	1818	117	0	0	1
					4W	1943	125	1	0	1	1943	125	1	0	1	1799	116	0	0	1
	24L	25	23.0	23.0	2	3055	125	1	0	1	3055	125	1	0	1	2828	116	1	0	1
					3	3078	126	1	0	1	3078	126	1	0	1	2850	117	1	0	1
					4F	3010	123	1	0	1	3010	123	1	0	1	2787	114	1	0	1
					4W	2978	122	1	0	1	2978	122	1	0	1	2757	113	1	0	1



DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

# VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

## PERFORMANCE DATA: MICROSTRIKE CONT'D

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
48L	15	13.1	2	2139	145	1	0	1	2139	145	1	0	1	1981	134	1	0	1	
			3	2163	146	1	0	1	2163	146	1	0	1	2003	135	1	0	1	
			4F	2097	143	0	0	1	2097	143	0	0	1	1942	132	0	0	1	
			4W	2101	143	1	0	1	2101	143	1	0	1	1946	132	0	0	1	
	20	20.5	2	2973	141	1	0	1	2973	141	1	0	1	2753	130	1	0	1	
			3	3007	142	1	0	1	3007	142	1	0	1	2784	132	1	0	1	
			4F	2915	138	1	0	1	2915	138	1	0	1	2699	128	1	0	1	
			4W	2921	138	1	0	1	2921	138	1	0	1	2705	128	1	0	1	
	30	28.8	2	4000	137	1	0	1	4000	137	1	0	1	3704	126	1	0	1	
			3	4045	138	1	0	1	4045	138	1	0	1	3745	128	1	0	1	
			4F	3922	134	1	0	1	3922	134	1	0	1	3631	124	1	0	1	
			4W	3930	134	1	0	2	3930	134	1	0	2	3638	124	1	0	1	
	35	37.3	2	4997	134	1	0	1	4997	134	1	0	1	4627	124	1	0	1	
			3	5053	135	1	0	2	5053	135	1	0	2	4679	125	1	0	1	
			4F	4899	131	1	0	1	4899	131	1	0	1	4536	122	1	0	1	
			4W	4909	132	1	0	2	4909	132	1	0	2	4545	122	1	0	2	
	45	45.9	2	5990	127	1	0	1	5990	127	1	0	1	5546	118	1	0	1	
			3	6057	128	1	0	2	6057	128	1	0	2	5608	119	1	0	2	
			4F	5872	124	1	0	2	5872	124	1	0	2	5437	115	1	0	1	
			4W	5884	125	1	0	2	5884	125	1	0	2	5448	115	1	0	2	
	VPW2	20	19.4	2	3485	161	1	0	1	3485	161	1	0	1	3200	147	1	0	1
				3	3516	162	1	0	1	3516	162	1	0	1	3229	149	1	0	1
				4F	3485	161	1	0	1	3485	161	1	0	1	3200	147	1	0	1
				4W	3535	163	1	0	1	3535	163	1	0	1	3246	150	1	0	1
25		26.7	2	4443	154	1	0	1	4443	154	1	0	1	4080	141	1	0	1	
			3	4483	155	1	0	1	4483	155	1	0	1	4117	142	1	0	1	
			4F	4443	154	1	0	1	4443	154	1	0	1	4080	141	1	0	1	
			4W	4507	156	1	0	1	4507	156	1	0	1	4139	143	1	0	1	
35		34.2	2	5438	147	1	0	1	5438	147	1	0	1	4994	135	1	0	1	
			3	5488	148	1	0	1	5488	148	1	0	1	5039	136	1	0	1	
			4F	5438	147	1	0	1	5438	147	1	0	1	4994	135	1	0	1	
			4W	5516	149	1	0	2	5516	149	1	0	2	5066	137	1	0	1	
45		41.7	2	6369	145	1	0	1	6369	145	1	0	1	5848	133	1	0	1	
			3	6427	146	2	0	2	6427	146	2	0	2	5901	134	1	0	1	
			4F	6369	145	1	0	1	6369	145	1	0	1	5848	133	1	0	1	
			4W	6460	147	1	0	2	6460	147	1	0	2	5933	135	1	0	2	
55		50.6	2	7209	137	2	0	2	7209	137	2	0	2	6620	126	1	0	1	
			3	7275	139	2	0	2	7275	139	2	0	2	6680	127	2	0	2	
			4F	7209	137	1	0	1	7209	137	1	0	1	6620	126	1	0	1	
			4W	7313	139	1	0	2	7313	139	1	0	2	6715	128	1	0	2	
65		58.3	2	7781	130	2	0	2	7781	130	2	0	2	7145	119	2	0	2	
			3	7852	131	2	0	2	7852	131	2	0	2	7210	120	2	0	2	
			4F	7781	130	2	0	1	7781	130	2	0	1	7145	119	1	0	1	
			4W	7893	132	1	0	2	7893	132	1	0	2	7248	121	1	0	2	
70	63.5	2	8367	128	2	0	2	8367	128	2	0	2	7683	117	2	0	2		
		3	8443	129	2	0	2	8443	129	2	0	2	7753	119	2	0	2		
		4F	8367	128	2	0	1	8367	128	2	0	1	7683	117	2	0	1		
		4W	8487	130	1	0	2	8487	130	1	0	2	7794	119	1	0	2		

# VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

## PERFORMANCE DATA: MICROSTRIKE CONT'D

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW3	160L	45	46.2	2	7623	148	1	0	2	7623	148	1	0	2	7000	136	1	0	1
				3	7626	148	2	0	2	7626	148	2	0	2	7003	136	2	0	2
				4F	7590	147	2	0	1	7590	147	2	0	1	6970	135	1	0	1
				4W	7715	150	1	0	2	7715	150	1	0	2	7084	138	1	0	2
		70	68.3	2	10322	139	2	0	2	10322	139	2	0	2	9478	128	2	0	2
				3	10326	140	2	0	2	10326	140	2	0	2	9482	128	2	0	2
				4F	10277	139	2	0	2	10277	139	2	0	2	9437	128	2	0	2
				4W	10446	141	2	0	2	10446	141	2	0	2	9592	130	1	0	2
		95	91	2	12929	132	2	0	2	12929	132	2	0	2	11872	121	2	0	2
				3	12934	132	3	0	3	12934	132	3	0	3	11877	121	3	0	3
				4F	12873	131	2	0	2	12873	131	2	0	2	11821	120	2	0	2
				4W	13084	133	2	0	3	13084	133	2	0	3	12015	122	2	0	3
	105	106.3	2	15055	138	2	0	2	15055	138	2	0	2	13825	127	2	0	2	
			3	15062	138	3	0	3	15062	138	3	0	3	13831	127	3	0	3	
			4F	14991	138	2	0	2	14991	138	2	0	2	13766	127	2	0	2	
			4W	15236	140	2	0	3	15236	140	2	0	3	13991	129	2	0	3	
	135	134.8	2	17533	127	3	0	3	17533	127	3	0	3	16100	116	3	0	3	
			3	17541	127	3	0	3	17541	127	3	0	3	16107	116	3	0	3	
			4F	17457	126	2	0	2	17457	126	2	0	2	16031	116	2	0	2	
			4W	17744	128	2	0	4	17744	128	2	0	4	16294	118	2	0	3	
	155	158.3	2	20066	123	3	0	3	20066	123	3	0	3	18426	113	3	0	3	
			3	20075	123	3	0	3	20075	123	3	0	3	18434	113	3	0	3	
			4F	19980	123	3	0	3	19980	123	3	0	3	18347	113	2	0	2	
			4W	20307	125	2	0	4	20307	125	2	0	4	18648	115	2	0	4	

## PERFORMANCE DATA: STRIKE

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW2	18L	25	22.6	2	3314	147	1	0	1	3298	146	1	0	G1	3171	140	1	0	1
				3	3356	148	1	0	1	3340	148	1	0	G1	3212	142	1	0	1
				4F	3367	149	0	0	1	3351	148	0	0	G1	3222	143	0	0	1
				4W	3361	149	1	0	2	3345	148	1	0	G2	3216	142	1	0	2
		30	31.3	2	4124	132	1	0	1	4104	131	1	0	G1	3946	126	1	0	1
				3	4176	133	1	0	2	4156	133	1	0	G2	3996	128	1	0	1
				4F	4189	134	1	0	1	4169	133	1	0	G1	4009	128	1	0	1
				4W	4182	134	1	0	2	4162	133	1	0	G2	4002	128	1	0	2
		39	38.8	2	4894	126	1	0	1	4870	126	1	0	G1	4683	121	1	0	1
				3	4956	128	1	0	2	4932	127	1	0	G2	4742	122	1	0	2
				4F	4972	128	1	0	2	4948	128	1	0	G2	4758	123	1	0	2
				4W	4963	128	1	0	2	4939	127	1	0	G2	4749	122	1	0	2
	50	52.6	2	6325	120	1	0	1	6295	120	1	0	G1	6052	115	1	0	1	
			3	6405	122	1	0	2	6374	121	1	0	G2	6129	117	1	0	2	
			4F	6426	122	1	0	2	6395	122	1	0	G2	6149	117	1	0	2	
			4W	6414	122	1	0	3	6384	121	1	0	G3	6138	117	1	0	3	
	60	60.4	2	6865	114	1	0	2	6832	113	1	0	G2	6569	109	1	0	2	
			3	6952	115	1	0	2	6919	115	1	0	G2	6652	110	1	0	2	
			4F	6974	115	1	0	2	6941	115	1	0	G2	6674	110	1	0	2	
			4W	6962	115	1	0	3	6929	115	1	0	G3	6662	110	1	0	3	

# VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

## PERFORMANCE DATA: STRIKE CONT'D

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW3	36L	55	63.1	2	7284	135	1	0	2	7249	134	1	0	G2	6970	129	1	0	2
				3	7376	137	1	0	2	7341	136	1	0	G2	7058	131	1	0	2
				4F	7400	137	1	0	2	7364	137	1	0	G2	7081	131	1	0	2
				4W	7387	137	1	0	3	7351	136	1	0	G3	7069	131	1	0	3
		80	77.6	2	9788	126	2	0	2	9741	126	2	0	G2	9366	121	2	0	2
				3	9912	128	1	0	3	9864	127	1	0	G3	9485	122	1	0	3
				4F	9944	128	1	0	2	9896	128	1	0	G2	9516	123	1	0	2
				4W	9926	128	1	0	3	9879	127	1	0	G3	9499	122	1	0	3
		105	108.2	2	12650	128	2	0	2	12589	127	2	0	G2	12105	122	2	0	2
				3	12810	130	2	0	3	12748	129	2	0	G3	12258	124	2	0	3
				4F	12851	130	1	0	3	12790	129	1	0	G3	12298	124	1	0	3
				4W	12829	130	2	0	3	12767	129	2	0	G3	12276	124	2	0	3
	120	120.9	2	13730	114	2	0	2	13664	113	2	0	G2	13138	109	2	0	2	
			3	13904	115	2	0	3	13837	114	2	0	G3	13305	110	2	0	3	
			4F	13949	115	1	0	3	13882	115	1	0	G3	13348	110	1	0	3	
			4W	13924	115	2	0	4	13857	115	2	0	G4	13324	110	2	0	3	

## ELECTRICAL DATA: STRIKE

# OF LEDs	18L				
NOMINAL WATTAGE	25	30	39	50	60
SYSTEM POWER (W)	22.6	31.3	38.8	52.6	60.4
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.21	0.26	0.32	0.44	0.50
208	0.12	0.15	0.19	0.25	0.29
240	0.10	0.13	0.16	0.22	0.25
277	0.09	0.11	0.14	0.19	0.22
347	0.07	0.09	0.11	0.15	0.17
480	0.05	0.07	0.08	0.11	0.13

# OF LEDs	36L			
NOMINAL WATTAGE	55	80	100	120
SYSTEM POWER (W)	53.9	77.6	98.9	120.9
INPUT VOLTAGE (V)	CURRENT (Amps)			
120	0.45	0.65	0.82	1.01
208	0.26	0.37	0.48	0.58
240	0.22	0.32	0.41	0.50
277	0.19	0.28	0.36	0.44
347	0.16	0.22	0.29	0.35
480	0.11	0.16	0.21	0.25

# VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

## ELECTRICAL DATA: MICROSTRIKE

# OF LEDS	24L		
NOMINAL WATTAGE	10	15	25
SYSTEM POWER (W)	6.6	14.0	23.0
INPUT VOLTAGE (V)	CURRENT (Amps)		
120	0.06	0.12	0.19
208	0.03	0.07	0.11
240	0.03	0.06	0.10
277	0.02	0.05	0.08
347	0.02	0.04	0.07
480	0.01	0.03	0.05

# OF LEDS	48L				
NOMINAL WATTAGE	15	20	30	35	45
SYSTEM POWER (W)	13.1	20.5	28.8	37.3	45.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.11	0.17	0.24	0.31	0.38
208	0.06	0.10	0.14	0.18	0.22
240	0.05	0.09	0.12	0.16	0.19
277	0.05	0.07	0.10	0.13	0.17
347	0.04	0.06	0.08	0.11	0.13
480	0.03	0.04	0.06	0.08	0.10

# OF LEDS	80L						
NOMINAL WATTAGE	20	25	35	45	55	65	70
SYSTEM POWER (W)	19.4	26.7	34.2	41.7	50.6	58.3	63.5
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.16	0.22	0.29	0.35	0.42	0.49	0.53
208	0.10	0.13	0.18	0.22	0.27	0.28	0.31
240	0.08	0.12	0.15	0.19	0.24	0.24	0.26
277	0.07	0.10	0.13	0.17	0.21	0.21	0.23
347	0.06	0.08	0.11	0.13	0.16	0.17	0.18
480	0.04	0.06	0.08	0.10	0.12	0.12	0.13

# OF LEDS	160L					
NOMINAL WATTAGE	45	70	95	105	135	155
SYSTEM POWER (W)	46.2	68.3	91	106.3	134.8	158.3
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	0.39	0.57	0.76	0.89	1.12	1.32
208	0.22	0.33	0.44	0.51	0.65	0.76
240	0.19	0.28	0.38	0.44	0.56	0.66
277	0.17	0.25	0.33	0.38	0.49	0.57
347	0.13	0.20	0.26	0.31	0.39	0.46
480	0.10	0.14	0.19	0.22	0.28	0.33

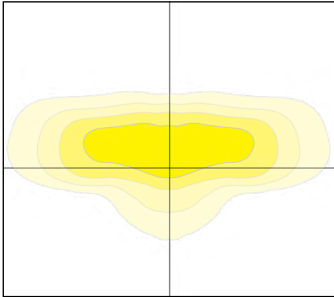
# VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

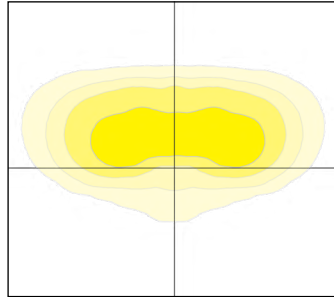
## PHOTOMETRY

Mounting Height: 10ft

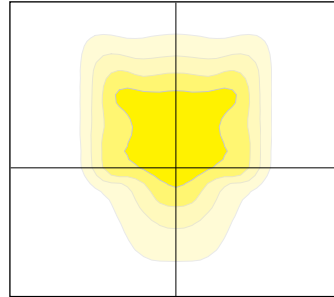
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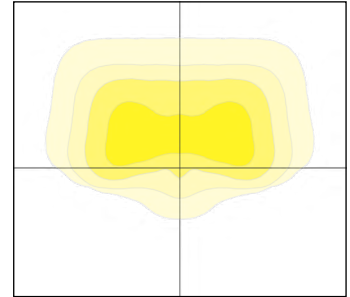
Type 3



Type 4F

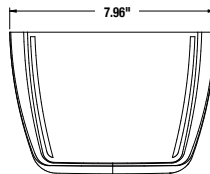
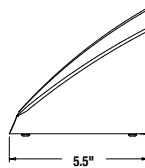
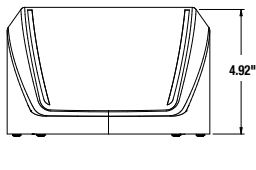


Type 4W

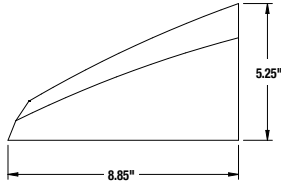
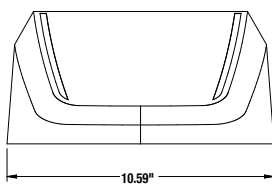


## DIMENSIONS

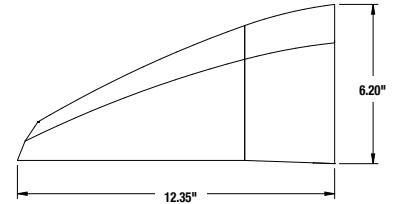
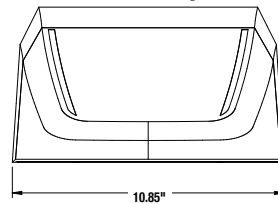
VPW1



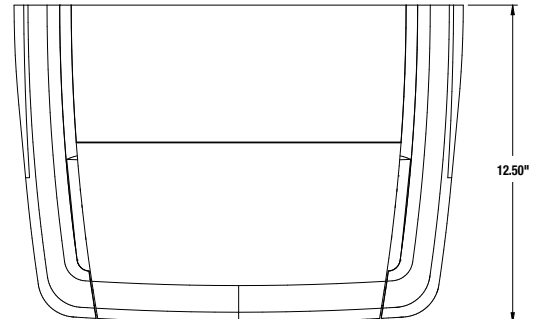
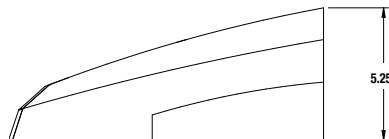
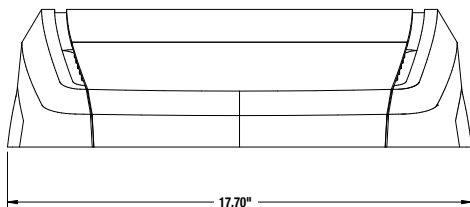
VPW2



VPW2 with Battery Back Box



VPW3



# VIPER Wall

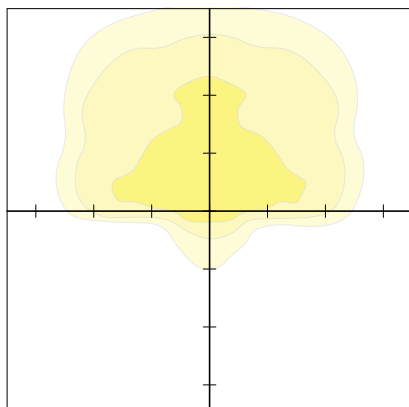
VPW1/VPW2/VPW3 LED WALLPACK

## BATTERY OPTIONS & HOUSING SIZES

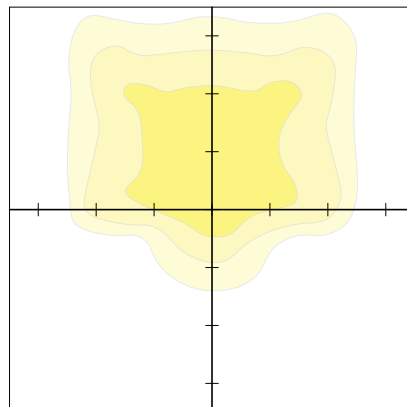
Size	Optics	# LEDs	Fixture Wattage	Battery (E)		Battery with Heater (EH)	
				E (10W)	Housing	EH (13W)	Housing
VPW1	Micro Strike	24L	10W	N/A	Not Available	N/A	Not Available
			15W				
			25W				
VPW2	Micro Strike	48L	15W	Y	Standard Housing	Y	Includes Integrated Back Box
			20W	Y	Standard Housing	Y	Includes Integrated Back Box
			30W	N/A	Not Available	Y	Includes Integrated Back Box
			35W	N/A	Not Available	Y	Includes Integrated Back Box
			45W	N/A	Not Available	Y	Includes Integrated Back Box
	Micro Strike	80L	20W	N/A	Not Available	Y	Includes Integrated Back Box
			25W			Y	Includes Integrated Back Box
			35W			Y	Includes Integrated Back Box
			45W			Y	Includes Integrated Back Box
			55W			Y	Includes Integrated Back Box
			65W			Y	Includes Integrated Back Box
			70W			Y	Includes Integrated Back Box
	Strike	18L	25W	N/A	Not Available	Y	Includes Integrated Back Box
			30W			Y	Includes Integrated Back Box
			39W			Y	Includes Integrated Back Box
50W			Y			Includes Integrated Back Box	
VPW3	Micro Strike	160L	45W	N/A	Not Available	Yes	Standard Housing
			70W			Yes	Standard Housing
			95W			Yes	Standard Housing
			105W			N/A	Not Available
			135W			N/A	Not Available
			155W			N/A	Not Available
	Strike	36L	55W	N/A	Not Available	Yes	Standard Housing
			80W			Yes	Standard Housing
			100W			Yes	Standard Housing
			120W			N/A	Not Available

## PHOTOMETRY - BATTERY

### 18L BATTERY PHOTOMETRY



### 80L BATTERY PHOTOMETRY



**Mounting Height: 12ft**  
**Scale: 10ft**

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

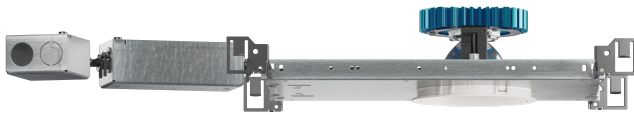
## NU4 LOPRO

### 4" Round Downlight Standard White

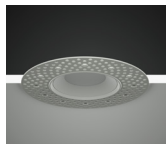


20° - 65° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	990LM @30K/80CRI	9W
15LM	1485LM @30K/80CRI	12W
20LM	2095LM @30K/80CRI	17W
25LM	2540LM @30K/80CRI	21W
30LM	3090LM @30K/80CRI	26W
10LM	840LM @30K/90/CRI	9W
15LM	1260LM @30K/90/CRI	12W
20LM	1780LM @30K/90/CRI	17W
25LM	2160LM @30K/90/CRI	21W
30LM	2620LM @30K/90/CRI	26W
Notes	Delivered lumens based on WH70 optic with no lens, (see page 2)	

8 - 12° BEAM (Note: Specifications are subject to change without notice)		
6mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	990LM @30K/80CRI	10W
15LM	1460LM @30K/80CRI	15W
10LM	840LM @30K/90CRI	10W
15LM	1240LM @30K/90CRI	15W
Notes	Delivered lumens based on S10 optic with no lens, (see page 2)	



Trim



Trimless



Trimless Millwork

#### FEATURES

- 3/4" bezel regress with 1/16" micro flange
- 8° - 65° optical beam control
- UGR < 19
- 110 LPW average
- Glare control, specialty optics, trim options, and custom finishes available
- Microban® antimicrobial finish available on all exposed painted surfaces

#### DIMMING AND CONTROLS

- 0-10V dimming to 1%
- Leading & trailing edge (Triac / ELV) dimming to 1%

#### CONSTRUCTION

- Lexan™ (PC) highly resistant to impact and heat (240°F)
- Optimal material for wireless signal connectivity
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-5/8"

#### LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66,000 hrs
- 80 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66,000 hrs

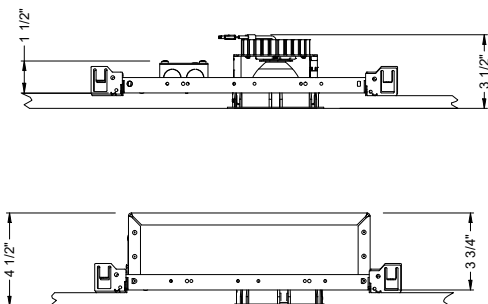
#### LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- Declare.** - LBC Red List Approved
- 5 Year Limited warranty

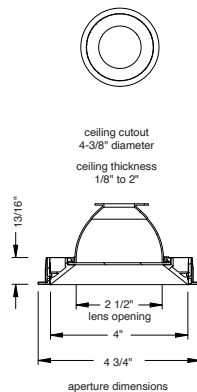
#### ELECTRICAL

- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

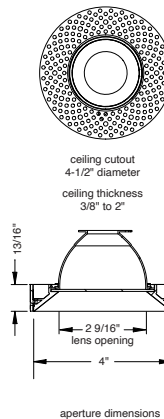
#### FIXTURE HEIGHT



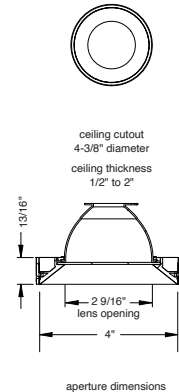
#### TRIMMED



#### TRIMLESS



#### MILLWORK



# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## 8° - 65° BEAM ORDERING CODE

SERIES	NU4	NU4									
TYPE	RDLP	round downlight lopro									
	RDTLP	round downlight trimless lopro									
	RDTMWLP	round downlight trimless millwork lopro									
LED	SW	standard white									
DELIVERED LUMENS	10LM	990 lm									
	15LM	1485 lm									
	20LM	2095 lm									
	25LM	2540 lm									
	30LM	3090 lm									
Standard Configuration: 3000K 80CRI WH70 Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]											
CCT	27K	2700K	CCT	2700K	3000K	3500K	4000K				
	30K	3000K	CRI	80+	90+	80+	90+	80+	90+		
	35K	3500K	CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	0.81	1.00	0.85	1.03	0.88	1.06	0.91
	40K	4000K									
CRI	80	80 CRI									
	90	90 CRI									
OPTIC & LM MULTIPLIER SEE PAGE 5, 6	8D <sup>1</sup>	8 degrees	(1.00)								
	12D <sup>1</sup>	12 degrees	(1.00)								
	20D	20 degrees	(0.99)								
	25D	25 degrees	(1.00)								
	35D	35 degrees	(0.99)								
	50D	50 degrees	(0.99)								
BEZEL LENS SEE PAGE 3, 4	NL <sup>2</sup>	no lens	(1.00)								
	CL	clear lens	(0.98)								
	DL	diffused lens	(0.91)								
	E <sup>3</sup>	elliptical beam spread	(0.92)								
	HCL <sup>4</sup>	honeycomb louver	(0.85)								
	HET	high efficiency textured lens, similar to Solite™	(0.92)								
SBL	smoothing beam lens	(0.92)									
Color lenses (amber, blue, green, red) see page 4.											
TRIM COLOR SEE PAGE 3, 4	BK	black									
	WH	white									
	MC	matte chrome									
	BZ	bronze									
	WT	wheat									
CC <sup>5</sup>	custom color, consult factory for details										
Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM. Not applicable to trimless option. Do not include in trimless ordering code.											
BEZEL COLOR SEE PAGE 3, 4	BK	black	(0.98)								
	WH	white	(1.00)								
	MC	matte chrome	(0.99)								
	BZ	bronze	(0.98)								
	WT	wheat	(0.99)								
CC <sup>5</sup>	custom color, consult factory for details										
Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.											

## 8° - 65° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 2, 8	NC	new construction with ceiling fitting plate
	IC <sup>6</sup>	insulation contact housing
	RET	retrofit, no ceiling fitting plate
VOLTAGE	120	120V
	UNV	120V-277V
DIMMING	ELV <sup>7</sup>	leading & trailing edge (Triac/ELV) dimming to 1%
	DIM10	0-10V dimming to 1%
ELECTRICAL OPTIONS	EM7	emergency battery backup, 90 minutes at 7W to LED
	EM12	emergency battery backup, 90 minutes at 12W to LED
	EM10CA20	remote emergency battery backup, 90 minutes at 10W to LED, CA title 20

## ADDITIONAL MOUNTING INFO

New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	Extends a pair of Bar Hangers Total Mounting Length: 29" to 48"

## YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:
<b>NU4 - RDLP - SW - 20LM - 35K - 90 - 25D - NL - WH - WH - NC - UNV - DIM10 - EM7</b>

## NOTES

- 8D/12D available in 10LM/15LM.
- NL option does not meet requirements for AT/DF/WET/NSF listings. Lensing cannot be added in the field.
- Elliptical lens not available with 8D/12D optic options. Actual beam distributions [20D= 35° x 60°, 25D= 40° x 65°, 35D= 45° x 70°, 55D= 55° x 80°]
- HCL not available with lens.
- Custom set up fee plus minimum quantity required per color.
- IC not available in 30LM.
- ELV1 (120V) not available in 10LM.

# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## TRIM OPTIONS

### TRIM/BEZEL COLORS



## OPTICAL OPTIONS

- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 15LM fixtures, unless otherwise noted.

### REFLECTOR OPTIC ACCESSORY Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
8D	7.8	10.9
12D	11.3	23.5
20D	17.4	12.5
25D	22.2	13.9
35D	32.4	16.5
50D	44.9	13.4
65D	52	15.5

### NL No Lens



OPTIC	BEAM ANGLE	UGR
8D	7.8	14.2
12D	11.9	13.8
20D	18	13.6
25D	22.8	13.1
35D	36.2	14.5
50D	49.2	18.3
65D	64.5	18.8

### CL Clear Lens



OPTIC	BEAM ANGLE	UGR
8D	7.9	13.7
12D	12.1	13.3
20D	18	13.3
25D	22.8	12.8
35D	36.2	14.2
50D	49.2	18.1
65D	64.6	18.5

### DL Diffused Lens



OPTIC	BEAM ANGLE	UGR
20D	39.4	19.5
25D	42.4	19.8
35D	50.6	20.8
50D	56.7	21.4
65D	66.7	23.3

### HET High Efficiency Textured Lens

High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
20D	22.5	13.8
25D	27	14
35D	38.8	15.8
50D	49.8	16.5
65D	60.4	19.5

### SBL Smoothing Beam Lens

Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
8D	10.2	12.8
12D	13.2	12.9
20D	19.3	13
25D	24.3	13.1
35D	37.2	14.8
50D	51.2	15.6
65D	62.2	18.8

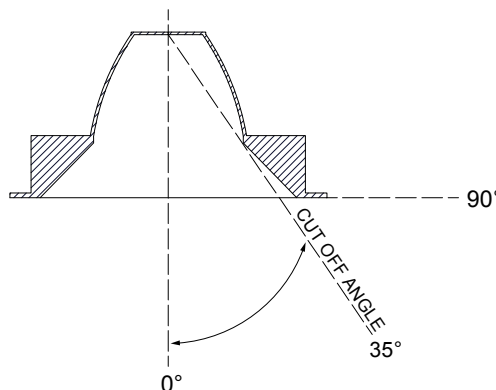
## GLARE CONTROL

### CUT-OFF ANGLE

Visual comfort is achieved with a lower cut-off angle due to improved glare control. The smaller the cut-off angle, the easier it is on the eye.

Alphabet downlights have been thoughtfully engineered to eliminate glare while still delivering functional illumination.

- Cutoff angle of CL is 35 degrees;



# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

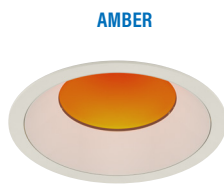
## TRIM OPTIONS

### TRIM/BEZEL COLORS



## OPTICAL OPTIONS

- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 15LM fixtures, unless otherwise noted.



AMBER

OPTIC	MULTIPLIER	BEAM SPREAD
20D	0.485	18°
25D	0.484	22°
35D	0.485	35°
50D	0.48	50°
65D	0.473	60°

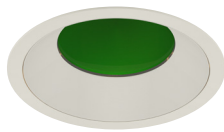
AVERAGE LUMENS: 2000LM 1880 CCT



RED

OPTIC	MULTIPLIER	BEAM SPREAD
20D	0.04	18°
25D	0.04	22°
35D	0.04	35°
50D	0.04	50°
65D	0.038	60°

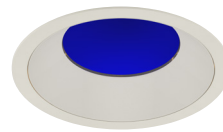
AVERAGE LUMENS: 168LM



GREEN

OPTIC	MULTIPLIER	BEAM SPREAD
20D	0.202	18°
25D	0.202	22°
35D	0.204	35°
50D	0.2	50°
65D	0.196	60°

AVERAGE LUMENS: 850LM



BLUE

OPTIC	MULTIPLIER	BEAM SPREAD
20D	0.051	18°
25D	0.051	22°
35D	0.053	35°
50D	0.05	50°
65D	0.049	60°

AVERAGE LUMENS: 210LM

Add AM / BL / GR / RD to bezel lens ordering code section.  
 Example: NU4 - RD - SW - 10LM - 30K - 80 - 35D - BL - WH - WH - NC - UNV - DIM

# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## PHOTOMETRIC DATA

20LM CCT MULTIPLIERS		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance <sup>2</sup>		

20D 18° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	1.9
8	2.5
10	3.2
12	3.8
14	4.4
Illuminance at Center (fc)	
323	
182	
116	
81	
59	
WATTS: 17.2	LPW: 121.4
LUMENS: 2088	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	11622
5	10517
15	2170
25	862
35	401
45	3

25D 23° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	2.4
8	3.2
10	4
12	4.8
14	5.6
Illuminance at Center (fc)	
244	
137	
88	
61	
45	
WATTS: 17.2	LPW: 122.1
LUMENS: 2099	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	8779
5	7589
15	2759
25	940
35	372
45	2

35D 36° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	3.9
8	5.2
10	6.5
12	7.8
14	9.1
Illuminance at Center (fc)	
128	
72	
46	
32	
23	
WATTS: 17.2	LPW: 120.6
LUMENS: 2074	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	4594
5	4283
15	2845
25	1317
35	435
45	10

20LM CCT MULTIPLIERS		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance <sup>2</sup>		

50D 49° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	5.5
8	7.4
10	9.2
12	11
14	12.9
Illuminance at Center (fc)	
90	
51	
33	
23	
17	
WATTS: 17.2	LPW: 121.2
LUMENS: 2085	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	3253
5	3231
15	2606
25	1591
35	450
45	13

65D 65° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	7.6
8	10.1
10	12.6
12	15.2
14	17.7
Illuminance at Center (fc)	
59	
33	
21	
15	
11	
WATTS: 17.2	LPW: 120.9
LUMENS: 2080	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2103
5	2101
15	1990
25	1520
35	779
45	144

# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## PHOTOMETRIC DATA

10LM CCT MULTIPLIERS		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance <sup>2</sup>		

8D 7.8° NO LENS																
<p>Throw Distance (ft)   Beam Diameter (ft)</p> <table border="1"> <tr><td>6</td><td>708</td><td>0.8</td></tr> <tr><td>8</td><td>398</td><td>1.1</td></tr> <tr><td>10</td><td>255</td><td>1.4</td></tr> <tr><td>12</td><td>177</td><td>1.6</td></tr> <tr><td>14</td><td>130</td><td>1.9</td></tr> </table> <p>Illuminance at Center (fc)</p>		6	708	0.8	8	398	1.1	10	255	1.4	12	177	1.6	14	130	1.9
6	708	0.8														
8	398	1.1														
10	255	1.4														
12	177	1.6														
14	130	1.9														
WATTS: 10.2	LPW: 97.9															
LUMENS: 998	CCT: 3000K															
INTENSITY																
DEGREE	CANDELA															
0	25483															
5	8161															
15	463															
25	362															
35	215															
45	0.5															

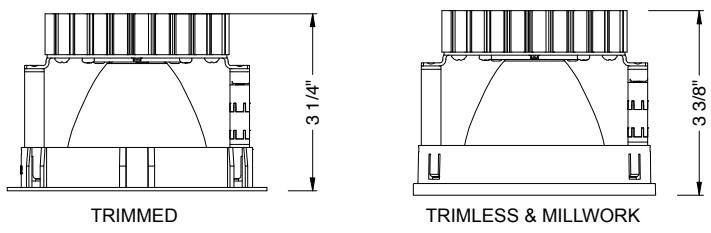
12D 12° NO LENS																
<p>Throw Distance (ft)   Beam Diameter (ft)</p> <table border="1"> <tr><td>6</td><td>330</td><td>1.3</td></tr> <tr><td>8</td><td>185</td><td>1.7</td></tr> <tr><td>10</td><td>119</td><td>2.1</td></tr> <tr><td>12</td><td>82</td><td>2.5</td></tr> <tr><td>14</td><td>61</td><td>2.9</td></tr> </table> <p>Illuminance at Center (fc)</p>		6	330	1.3	8	185	1.7	10	119	2.1	12	82	2.5	14	61	2.9
6	330	1.3														
8	185	1.7														
10	119	2.1														
12	82	2.5														
14	61	2.9														
WATTS: 8.7	LPW: 115															
LUMENS: 1001	CCT: 3000K															
INTENSITY																
DEGREE	CANDELA															
0	11863															
5	7515															
15	660															
25	371															
35	192															
45	0.3															

# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

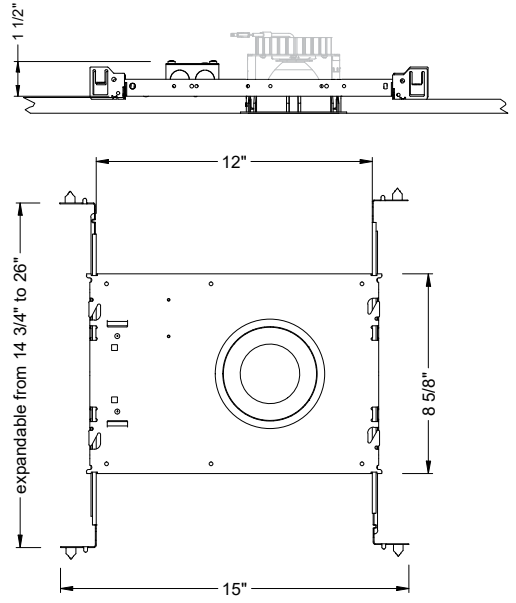
## MOUNTING OPTIONS

### FIXTURE HEIGHT 10M - 30LM CONFIGURATION

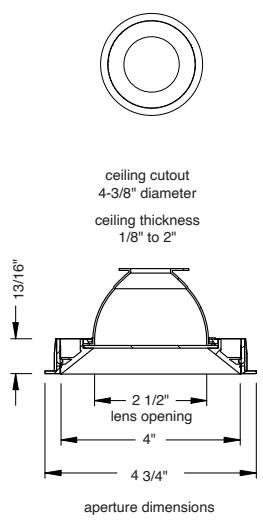


### NC - NEW CONSTRUCTION

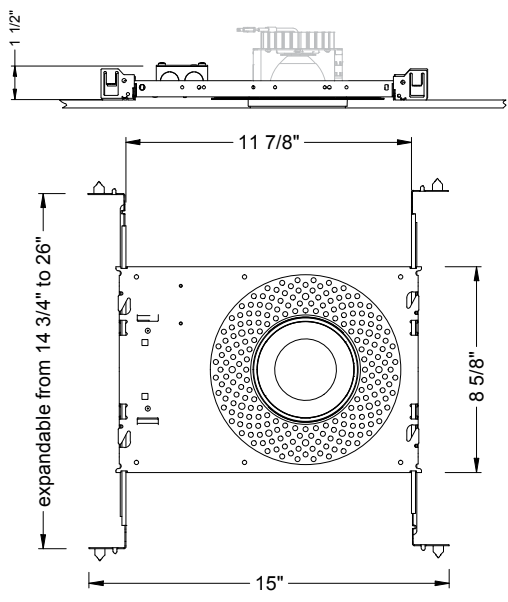
#### TRIM



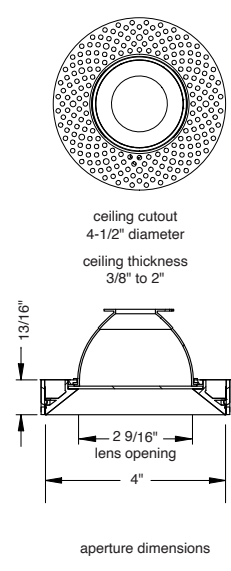
#### TRIM



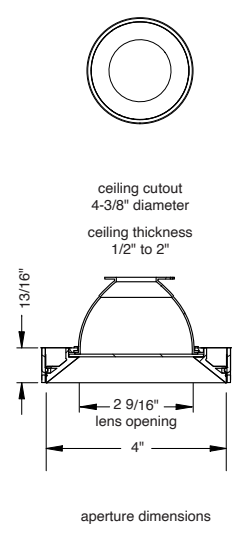
#### TRIMLESS



#### TRIMLESS



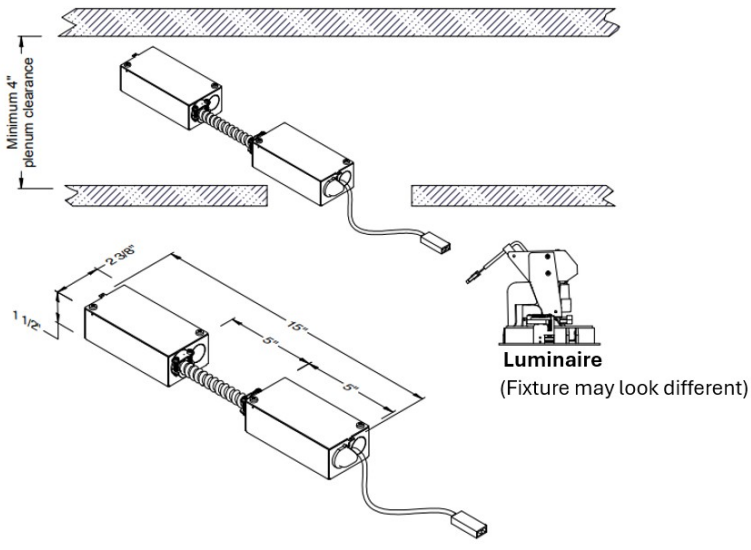
#### TRIMLESS/MILLWORK



PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

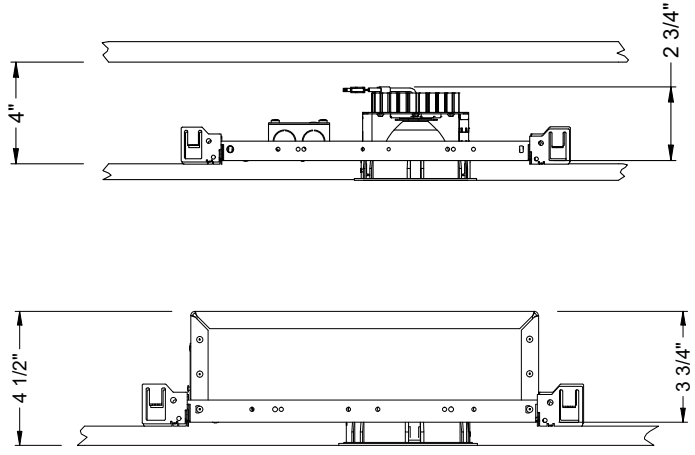
## MOUNTING OPTIONS (CONTINUED)

### RET - RETRO TRIM/TRIMLESS

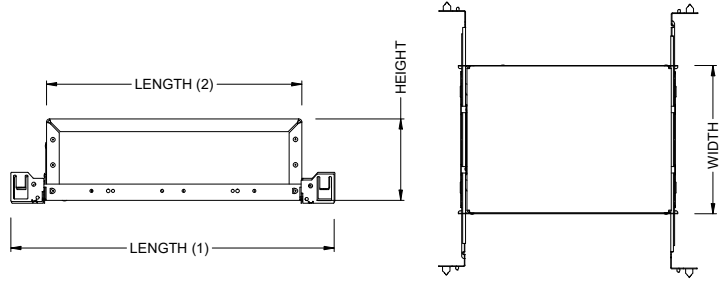


RATINGS / CERTIFICATIONS	NC	RET	IC
TYPE NON-IC	✓	✓	
TYPE IC			✓
CHICAGO PLENUM (CCEA)			
SUITABLE FOR AIR HANDLING PLENUMS	✓	✓	✓
REDUCED AIRFLOW (WITH LENS) ASTM E283	✓	✓	✓

CEILING THICKNESS	
FIXTURE TYPE	MOUNTING TYPE
	STANDARD CEILING THICKNESS
TRIM	1/8" to 2"
TRIMLESS	3/8" to 2"
MILLWORK (TRIMLESS)	1/2" to 2"



### IC - INSULATION CONTACT HOUSING



BOX SIZE	L1	L2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	3 - 3/4"

BOX TYPE / LUMEN OUTPUT - NARROW BEAM (8° - 12°)	
LUMEN OUTPUT	IC
10LM	✓
15LM	✓

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (20° - 65°)	
LUMEN OUTPUT	IC
10LM	✓
15LM	✓
20LM	✓
25LM	✓
30LM	

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## BATTERY OPTIONS

### EMERGENCY BATTERY

IOTA's ILB Battery Backups are UL Listed LED emergency drivers that allow the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the ILB switches to the emergency mode and operates the existing fixture for 90 minutes. The unit contains a battery, charger, and converter circuit in a single can. The Constant Power design of the ILB maintains the output wattage to the LED array even as the system voltage diminishes. UL 924 Listed for U.S. and Canada. UL 1310 Certified, Output Class 2 Compliant. Includes single-piece TBTS test switch and charge indicator accessory kit. For use with switched and unswitched electric fixtures, and includes Two-wire universal AC input. Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirements. Rated for use in Plenum, Damp Location, Recessed Type IC, and Enclosed and Gasketed Luminares.

### REMOTE TEST SWITCH

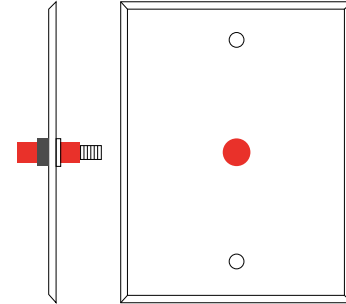
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

### EMERGENCY BATTERY ACCESS

Above ceiling access is required for service. An access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery is required.

### REMOTE LOCATION

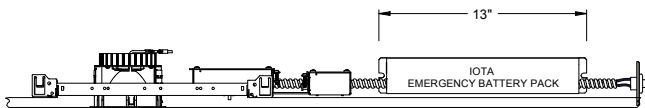
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/Building Codes.



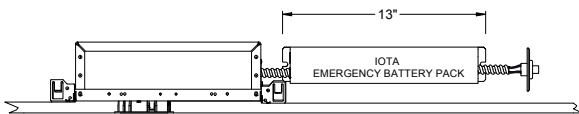
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 30LM)	700LM	1000LM	1200LM
Notes: Based on 30K, 80CRI			

## NC - NEW CONSTRUCTION WITH EM BATTERY (REMOTE TEST SWITCH)

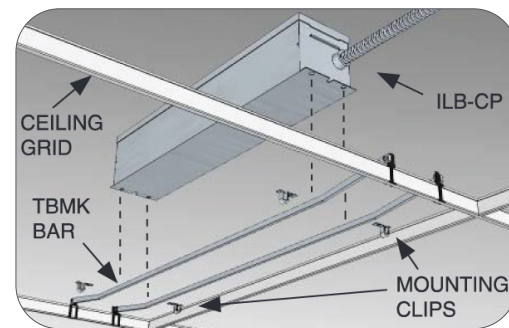


## IC - INSULATION CONTACT HOUSING WITH EM BATTERY (REMOTE TEST SWITCH)



### Accessory

76066 Optional T-Grid Mounting Kit<sup>2</sup>



2. Can be used with any of the Emergency Battery Backups. Must be ordered as a separate line item.