



# 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 (\$100.00 + \$15.00 ACRE) <sup>1</sup>
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE) <sup>1</sup>
- FINAL PLAT (\$300.00 + \$20.00 ACRE) <sup>1</sup>
- REPLAT (\$300.00 + \$20.00 ACRE) <sup>1</sup>
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

#### SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE) <sup>1</sup>
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

#### ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE) <sup>1</sup>
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE) <sup>1 & 2</sup>
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE) <sup>1</sup>

#### OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00) <sup>2</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 \$1,000.00 FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

### PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS 950 Sids Road, Rockwall TX 75032

SUBDIVISION REC Campus Addition LOT 3 BLOCK A

GENERAL LOCATION 1,200+/- feet southeast along Mims Rd from the intersection of Sids Rd

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

CURRENT ZONING PD-44

CURRENT USE Commercial - vacant

PROPOSED ZONING PD-44

PROPOSED USE Commercial-Indoor Shooting Range

ACREAGE 1.407

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 Rayburn Electric Cooperative

APPLICANT R-Delta Engineers, Inc.

CONTACT PERSON David Naylor

CONTACT PERSON Frank A. Polma, P.E.

ADDRESS 950 Sids Rd

ADDRESS 618 Main Street

CITY, STATE & ZIP Rockwall Tx 75032

CITY, STATE & ZIP Garland, Texas 75040

PHONE 469 402 2100

PHONE 972-494-5031

E-MAIL dnaylor@rayburnelectric.com

E-MAIL fapolma@rdelta.com

### NOTARY VERIFICATION [REQUIRED]

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

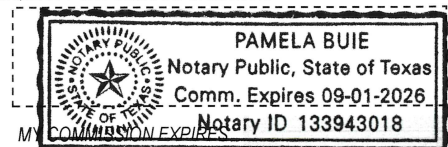
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ \$278.14 TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 13th DAY OF March, 2025 BY SIGNING THIS APPLICATION. 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 DAY OF March, 2025

OWNER'S SIGNATURE

*[Signature]*

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS





SP2025-012: Site Plan for an Indoor Commercial Amusement/Recreation Facility



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.



**To:** Director of Planning and Zoning  
**Subject:** Rayburn Electric Co-op Shooting Range



**Date:** 3.11.2025

**Dear Planning and Zoning Department,**

We are writing to request a variance under Section 09.02 formally, General Overlay District Standards, of the Unified Development Code (UDC). Below, I outline the requested variances, the extraordinary conditions that create undue hardship, and the proposed compensatory measures in compliance with the guidelines.

We respectfully request approval for the following variances:

- **Greater than 50% cementitious material on exterior walls**
- **Noncompliance with accent brick and stone on each building elevation**
- **Noncompliance with four-sided architecture and articulation standards**  
*The subject property faces unique constraints, including:*
- Proximity to a preexisting electric co-op campus requires additional measures for integration into the surrounding area.

Strict adherence to the technical requirements of Section 09.02 would create undue hardship by:

- Adhering to technical requirements would restrict site development which is currently planned around the material cohesiveness of the new campus design.

To offset the requested variances, we propose the following measures that exceed UDC standards (compensatory measures):

**To:** Director of Planning and Zoning  
**Subject:** Rayburn Electric Co-op Shooting Range

**Date:** 3.11.2025



1. **(H) Increased architectural elements (canopies) Peaked Roof Form and Varied Roof Heights:**

Peaked roof forms and varied heights on the front facade, along with canopies, add architectural interest, aligning with UDC principles and enhancing the development's aesthetics. The entrance area features varying roof heights, with the range positioned at a different level, creating a cohesive look with surrounding properties. Screened rooftop units maintain visual appeal and consistency.

2. **(E) Increased Building articulation:**

The building design incorporates enhanced articulation at the primary elevation through varied roof heights, recessed and projected facade elements, and material transitions, ensuring a dynamic and visually appealing structure.

3. **(F) Masonry building materials in percentages equal to or greater than surrounding properties:**

The proposed masonry materials meet or exceed the percentage used in adjacent Rayburn Electric Co-op buildings, ensuring architectural consistency across the campus. While split-face CMU is a required material due to the building's function and structural needs, it also aligns with the cultured stone aesthetic that is preferred.

**To:** Director of Planning and Zoning  
**Subject:** Rayburn Electric Co-op Shooting Range

**Date:** 3.11.2025



The requested variances address the unique challenges of the property while maintaining harmony with the intent of the UDC. The proposed compensatory measures offset the variances and enhance the development's overall quality and compatibility with the surrounding area.

We kindly request that the Planning and Zoning Commission approve this appeal. Please do not hesitate to reach out to us at 972-272-2500 or [a.morales@mccarthyarchitecture.com](mailto:a.morales@mccarthyarchitecture.com) if you require further details or supporting documentation.

Thank you for your time and consideration.

**Sincerely,**

McCarthy Architecture.

**SITE INFORMATION:**

EXISTING ZONING: PD-44

PROPOSED ZONING: NO CHANGE

PROPOSED USE: INDOOR SHOOTING RANGE  
TOTAL AREA: 61,278 SQ FT 1.407 AC

**"PD-44" ZONING**

MAXIMUM BUILDING HEIGHT: 60 FT  
MAXIMUM LOT COVERAGE: 60%  
MAXIMUM FLOOR AREA RATIO: 4:1  
MAXIMUM IMPERVIOUS PARKING: 85% TO 90%

PROPOSED MAX. BUILDING HEIGHT: 25'-3"  
PROPOSED LOT COVERAGE: 14,889/61,278 = 24.30%  
PROPOSED FLOOR AREA RATIO: 3,202/61,278 = 5.23%  
PROPOSED IMPERVIOUS PARKING: 11,687/61,278 = 19.07%

REQUIRED PARKING:  
PROPOSED BUILDING 3,202 SQ FT  
(COMMON AREA-CA=972± SQ FT)  
(SHOOTING LANES-SL=2,230± SQ FT)  
(COMMON AREA) 1 PER 200 SQ FT = 5  
(SHOOTING LANES) 1 PER LANE = 4  
TOTAL REQUIRED PARKING = 9 SPACES  
TOTAL PROVIDED PARKING = 10 SPACES

**NOTES:**

- ALL SIDEWALKS ARE 6' UNLESS OTHERWISE INDICATED.
- ALL DIMENSIONS ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT.
- ALL RADIUS ARE 2' UNLESS OTHERWISE STATED.
- CAMPUS DUMPSTER TO BE UTILIZED FOR REFUSE. LOCAL PLASTIC CARTS TO BE USED FOR COLLECTION INSIDE THE BUILDING. NO OUTDOOR TRASH CANS PROVIDED.
- THERE SHALL BE NO OUTSIDE STORAGE OR ABOVE GROUND STORAGE TANKS.
- PROPOSED DRAINAGE PATTERNS MATCH EXISTING DRAINAGE PATTERNS.

**EXISTING SITE PARKING DATA**

PUBLIC SPACES	ACCESSIBLE SPACES	TOTAL
0	0	0

**PROPOSED SITE PARKING DATA**

PUBLIC SPACES	ACCESSIBLE SPACES	TOTAL
9	1	10

**PAVEMENT INFORMATION:**

ALL PAVEMENTS BELOW ARE REINFORCED

PAVEMENT TYPE	THICKNESS (INCHES)	28-DAY (PSI)	MIN. CEMENT (SACKS/CY)	
			MACHINE	HAND
FIRE LANE	6"	3,600	6.0	6.5
DRIVEWAYS	6"	3,600	6.0	6.5
BARRIER FREE RAMPS	6"	3,600	6.0	6.5
DUMPSTER PADS	7"	3,600	6.0	6.5
SIDEWALKS	4"	3,000	N/A	5.5
PARKING LOT/ DRIVE AISLES	5"	3,000	5.0	5.5

**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

REV	DATE	REV. BY	P.M.	ENG.	REVISION/RELEASE
0	1/02/2025	RDE	FAP	RDE	ISSUED FOR REVIEW

**REC**  
Rayburn Electric  
COOPERATIVE

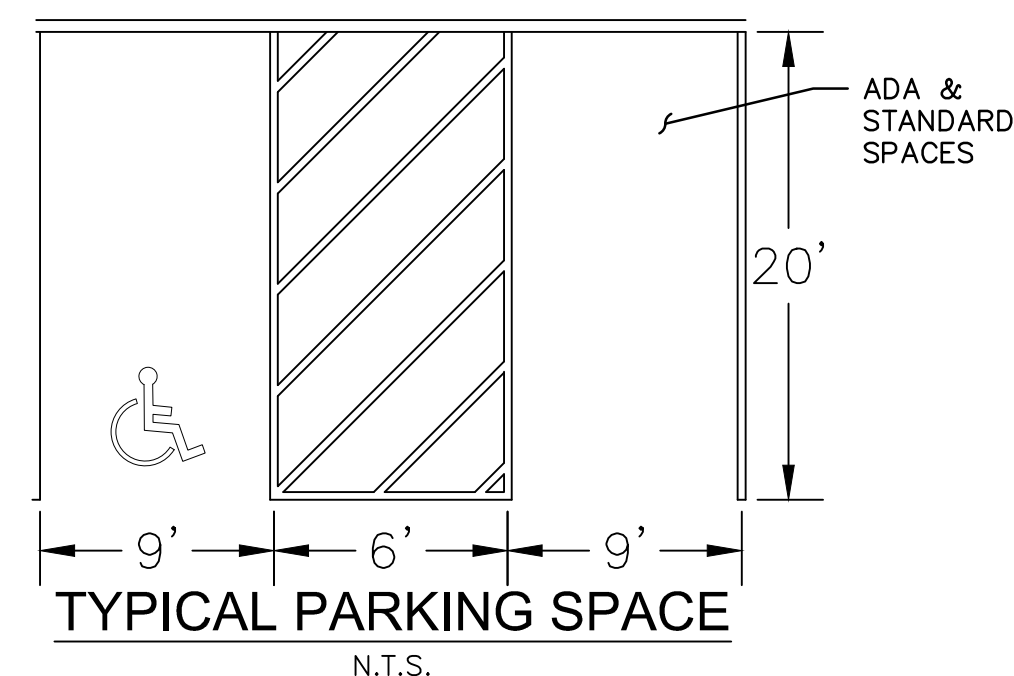
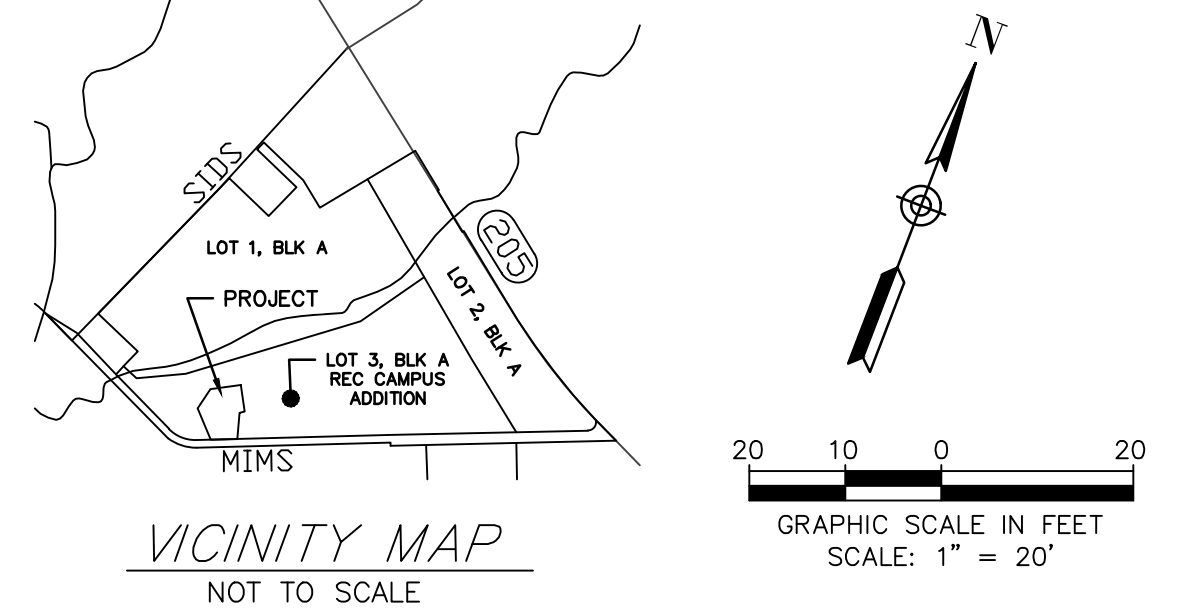
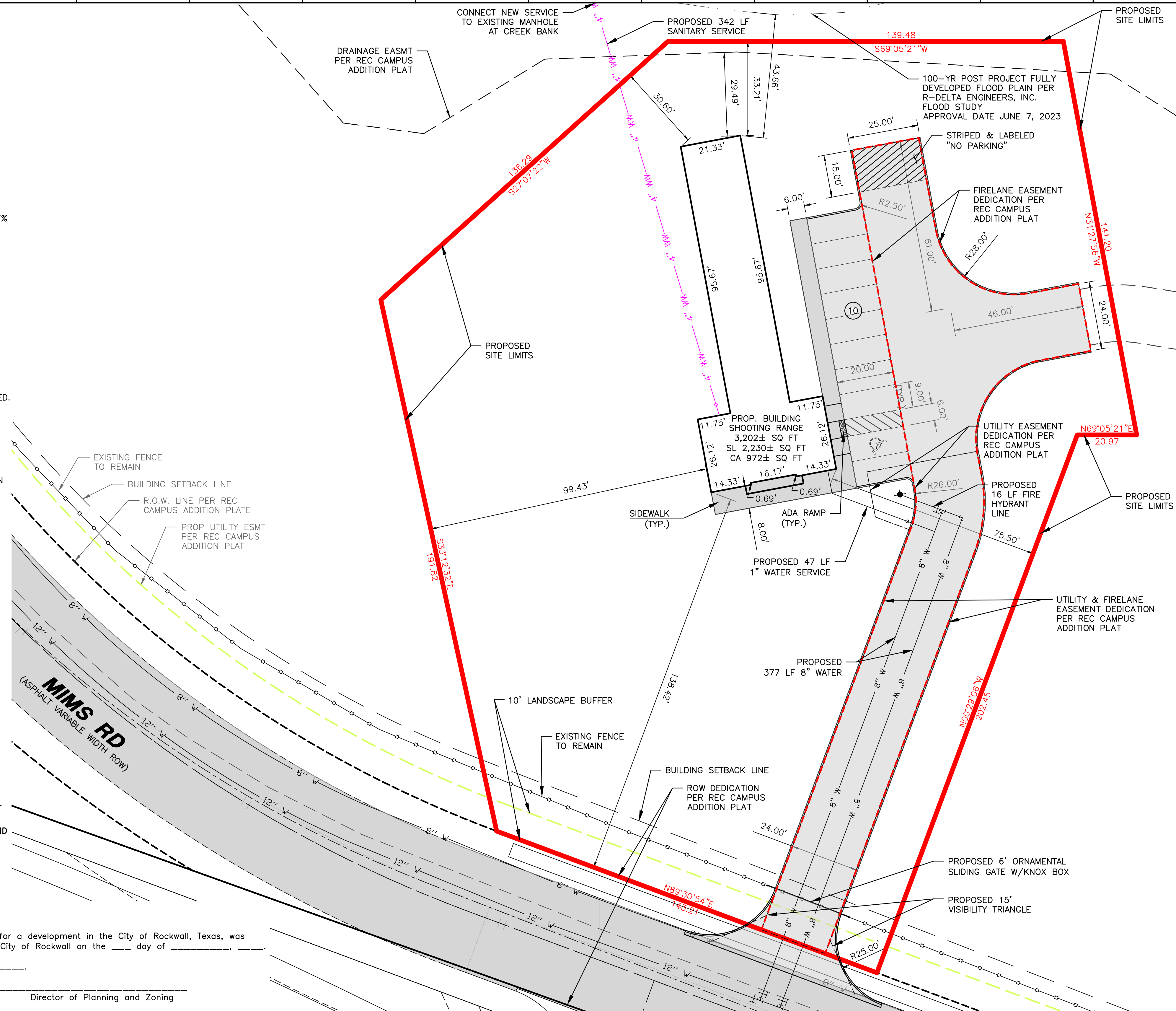
618 Main Street  
Garland, TX 75040  
Ph. (972) 494-5031  
Fax (972) 487-2270  
www.rdelta.com  
TBPE No. F-1515

**rdelta**  
ENGINEERS

**PRELIMINARY**  
SUBMITTED FOR REVIEW  
BY: FRANK A. POLMA  
P.E. 80274  
R-Delta Engineers, Inc.  
Date: March 14, 2025  
NOT FOR CONSTRUCTION, BIDDING  
OR PERMITTING PURPOSES

JOB NO. 3036-21	DESIGN BY JMJ
CREATED	CODE
PLOTTED 3/14/2025	CHECKED BY RDE
LAST UPDATE BY	
DRAWN: RDE	SCALE: AS NOTED
CHECKED:	DRAWING NO.: <b>SP-1</b>
APPROVED:	ISSUE: <b>1</b>
FILENAME:	

**REC CAMPUS EXPANSION  
INDOOR SHOOTING RANGE  
MIMS RD  
ROCKWALL, TX 75032  
CASE# -  
CITY SITE PLAN SUBMITTAL**



**ARCHITECT**  
MCCARTHY ARCHITECTURE  
1000 N. FIRST ST.  
GARLAND, TX 75040

**LANDSCAPE ARCHITECT**  
DUNKIN SIMS STOFFELS, INC.  
4305 PECAN GROVE LANE  
ROWLETT, TX 75088

**OWNER/ APPLICANT**  
RAYBURN ELECTRIC COOPERATIVE  
950 SIDS ROAD  
ROCKWALL, TX 75087  
469-402-2100

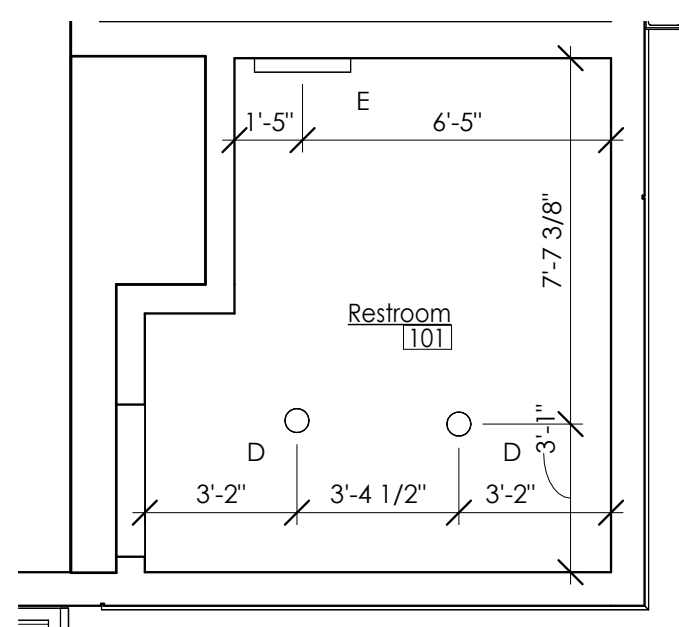
**CIVIL ENGINEER**  
R - DELTA ENGINEERS, INC.  
618 MAIN STREET  
GARLAND, TEXAS 75040  
TBPE No. F-1515

**LEGEND**

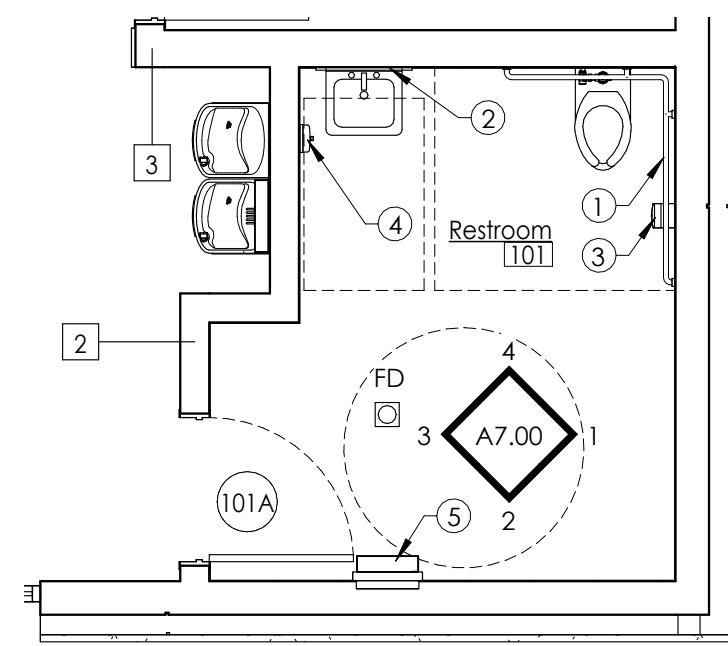
EM	EX. ELECTRIC METER
ICV	EX. IRRIGATION CONTROL VALVE
B	EX. BOLLARD
WM	EX. WATER METER
SSMH	EX. SANITARY SEWER MANHOLE
EB	EX. ELECTRIC BOX
FH	EX. FIRE HYDRANT
X" W	EX. WATER MAIN PIPE
X" WW	EX. WASTE WATER MAIN PIPE
XX" RCP	EXISTING CONCRETE PIPE & SIZE
—○—	EXISTING WROUGHT IRON FENCE
—○—	EXISTING CHAIN LINK FENCE
—○—	EXISTING POWER POLE
—OHE—	EXISTING OVERHEAD ELECTRIC
—	EXISTING GUY WIRE
—/—	EDGE OF ASPHALT
—○—	PROPOSED ORNAMENTAL FENCE
BFR	CONSTRUCT BARRIER FREE RAMP WITH TRUNCATED DOMED PANELS PER CITY DETAILS. NO EXTRA PAY ITEM FOR MONOLITHIC CURBS.
—/—	ACCESSIBLE AISLE STRIPING
—	PROPOSED CONCRETE SIDEWALK
—	PROPOSED CONCRETE PAVEMENT

**TOILET ROOM ACCESSORY SCHEDULE**

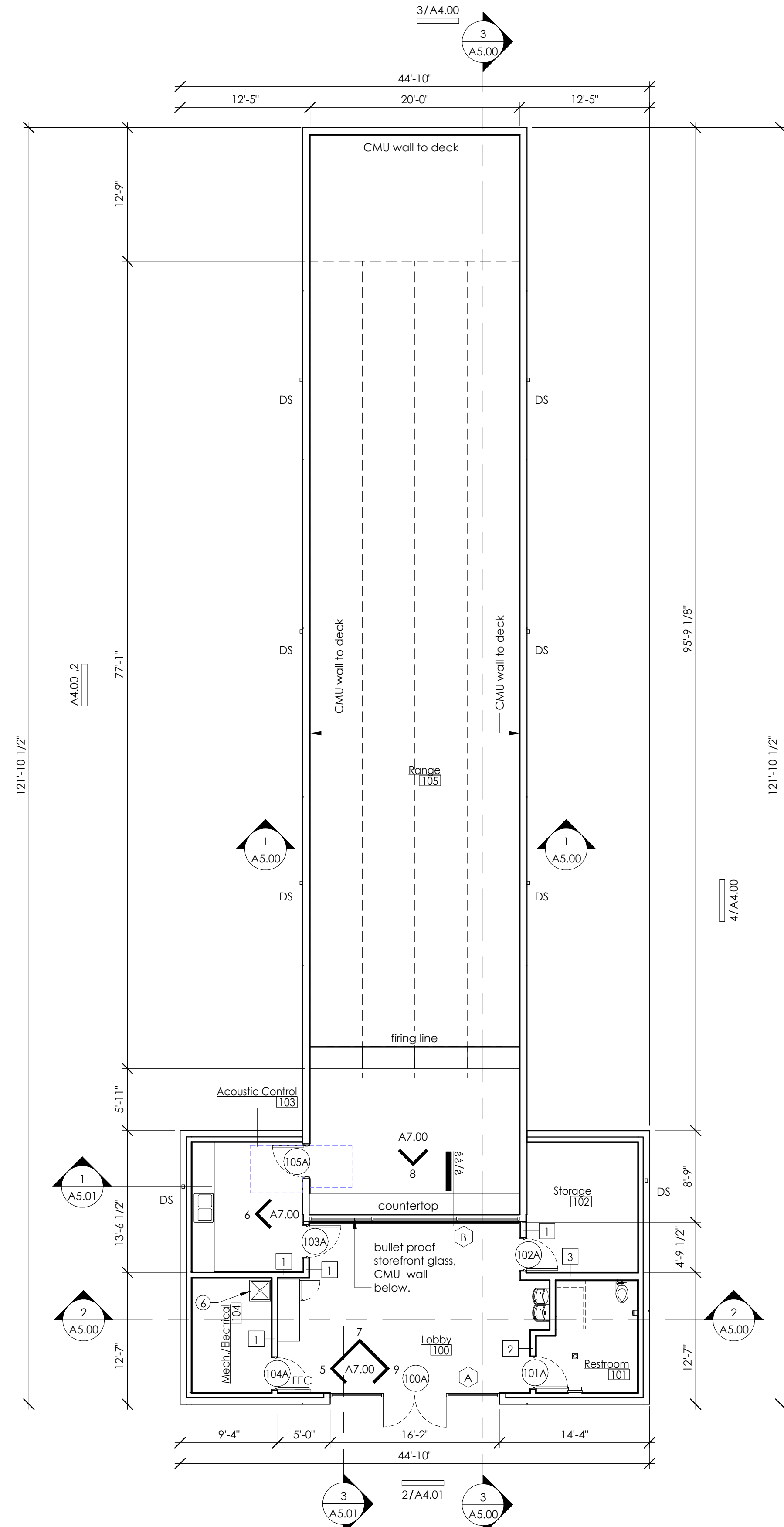
- ① BOBRICK B-5897 GRAB ADA BAR
- ② MIRROR AS SPECIFIED
- ③ BOBRICK B-254 SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL
- ④ BOBRICK B-818615 SURFACE MOUNTED SOAP DISPENSER
- ⑤ BOBRICK B-3699 SURFACE MOUNTED PAPER TOWEL/WASTE RECEPTACLE
- ⑥ MOP SINK



**4 ENLARGED REFLECTED CEILING PLAN .**  
SCALE: 1/4" = 1'-0"



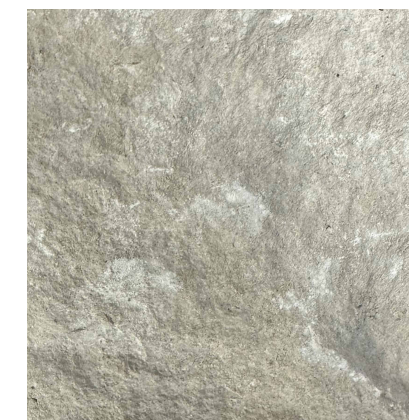
**3 ENLARGED RESTROOM PLAN .**  
SCALE: 1/4" = 1'-0"



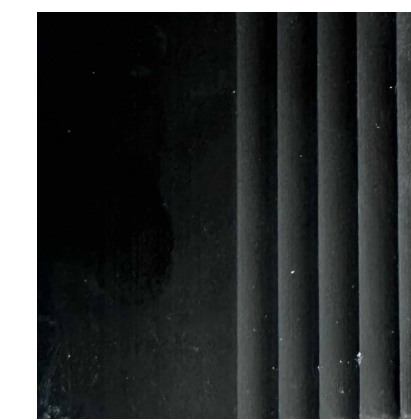
**1 FIRST FLOOR PLAN .**  
SCALE: 1/8" = 1'-0"



STUCCO -  
SW9111 VELVET  
ANTLER



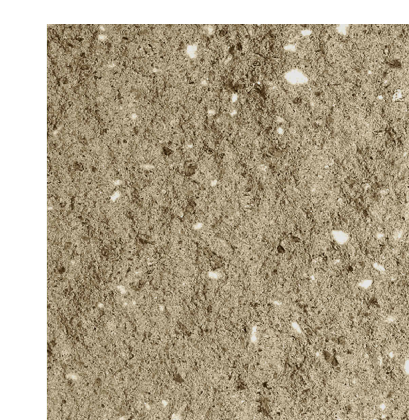
STONE - BUFF  
LUEDERS  
LIMESTONE



DARK BRONZE  
ALUM. FRAME



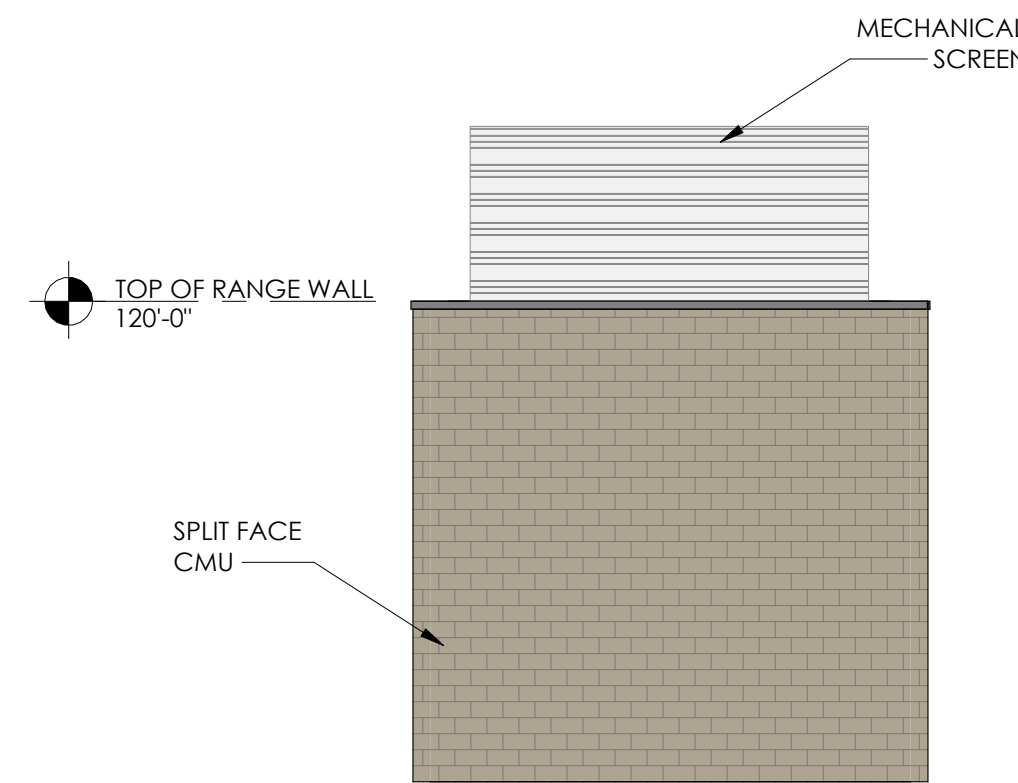
GALVALUME



SPLIT FACE  
CMU - SW9111  
VELVET ANTLER

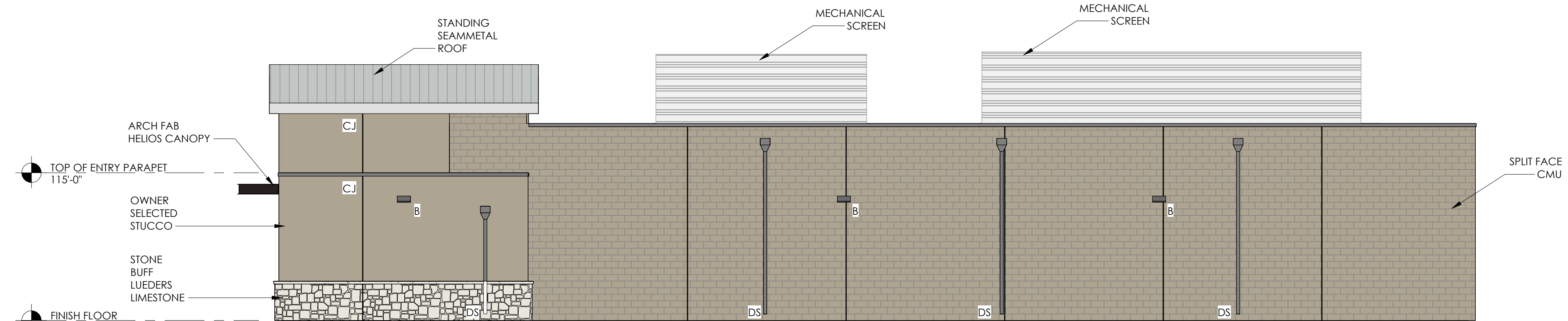
BUILDING MATERIAL CALCULATIONS FOR WALLS		
CATEGORIES	WEST	PERCENT
TOTAL SQ. FT. - EXCLUDING WINDOWS, DOORS AND ROOF	420 S.F.	100%
Split face CMU - Velvet antler SW 9111	420 S.F.	100%

GENERAL NOTE: ROOF AND MECHANICAL NOT PART OF ELEVATION CALCULATIONS



**4 EXTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"

BUILDING MATERIAL CALCULATIONS FOR WALLS		
CATEGORIES	WEST	PERCENT
TOTAL SQ. FT. - EXCLUDING WINDOWS, DOORS AND ROOF	2416 S.F.	100%
Stucco - Velvet antler SW 9111	375 S.F.	16%
Stone - Buff Lueders limestone	105 S.F.	4%
Split face CMU - Velvet antler SW 9111	1936 S.F.	80%



**3 EXTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"

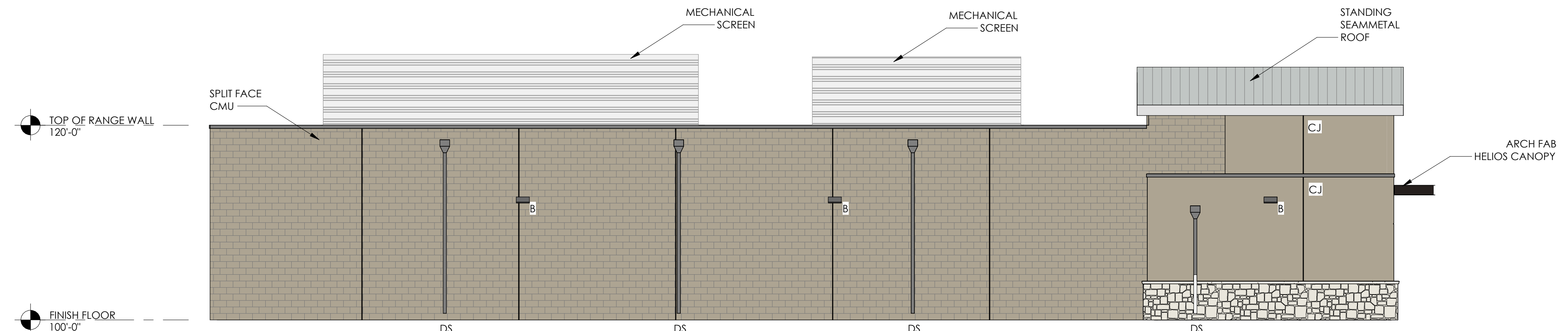
BUILDING MATERIAL CALCULATIONS FOR WALLS		
CATEGORIES	WEST	PERCENT
TOTAL SQ. FT. - EXCLUDING WINDOWS, DOORS AND ROOF	670 S.F.	100%
Stucco - Velvet antler SW 9111	555 S.F.	83%
Stone - Buff Lueders limestone	115 S.F.	17%



**2 EXTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"

# SHOOTING RANGE

BUILDING MATERIAL CALCULATIONS FOR WALLS		
CATEGORIES	WEST	PERCENT
TOTAL SQ. FT. - EXCLUDING WINDOWS, DOORS AND ROOF	2416 S.F.	100%
Stucco - Velvet antler SW 9111	375 S.F.	16%
Stone - Buff Lueders limestone	105 S.F.	4%
Split face CMU - Velvet antler SW 9111	1936 S.F.	80%



**1 EXTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"

APPROVED:

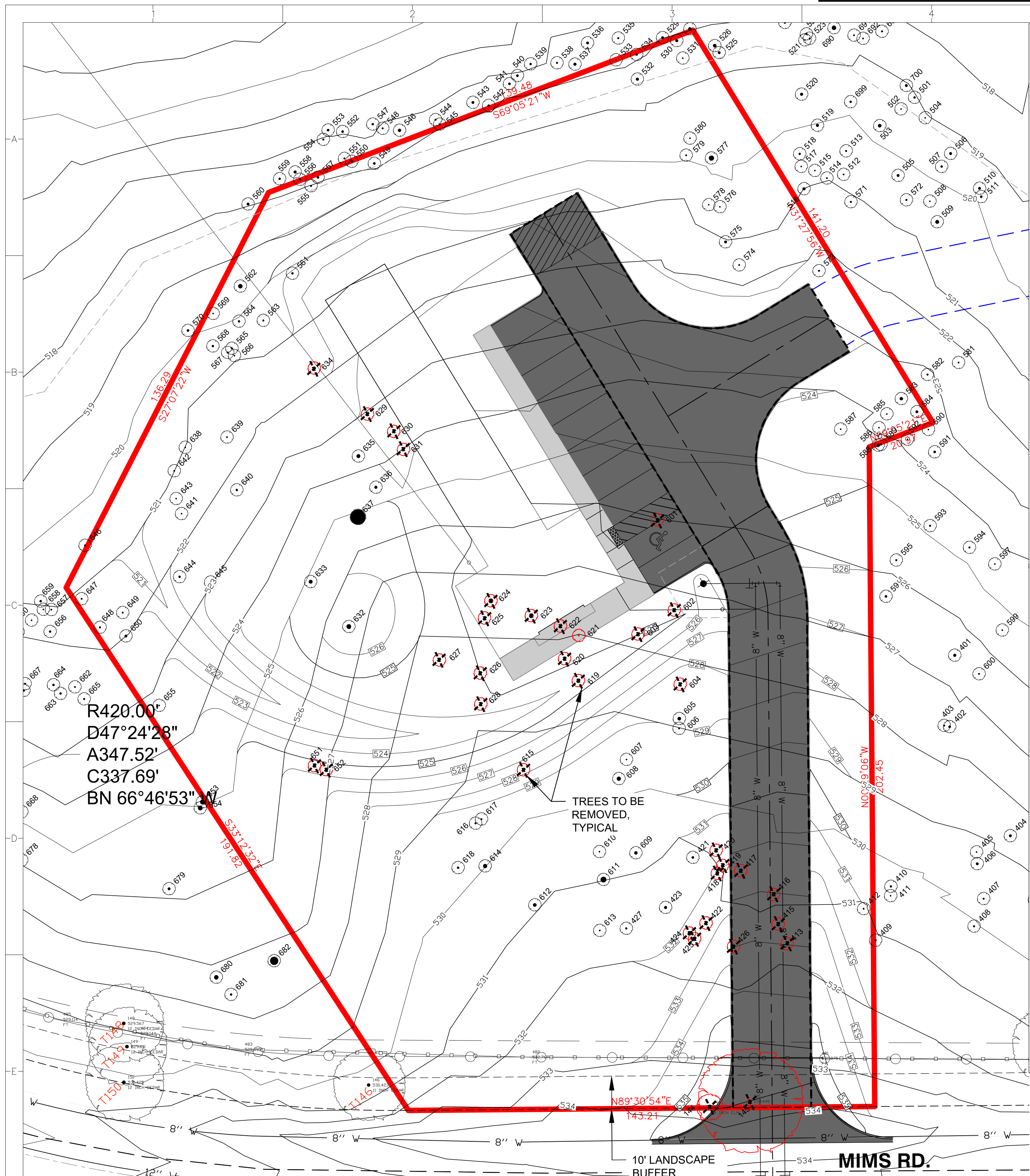
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

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

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

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



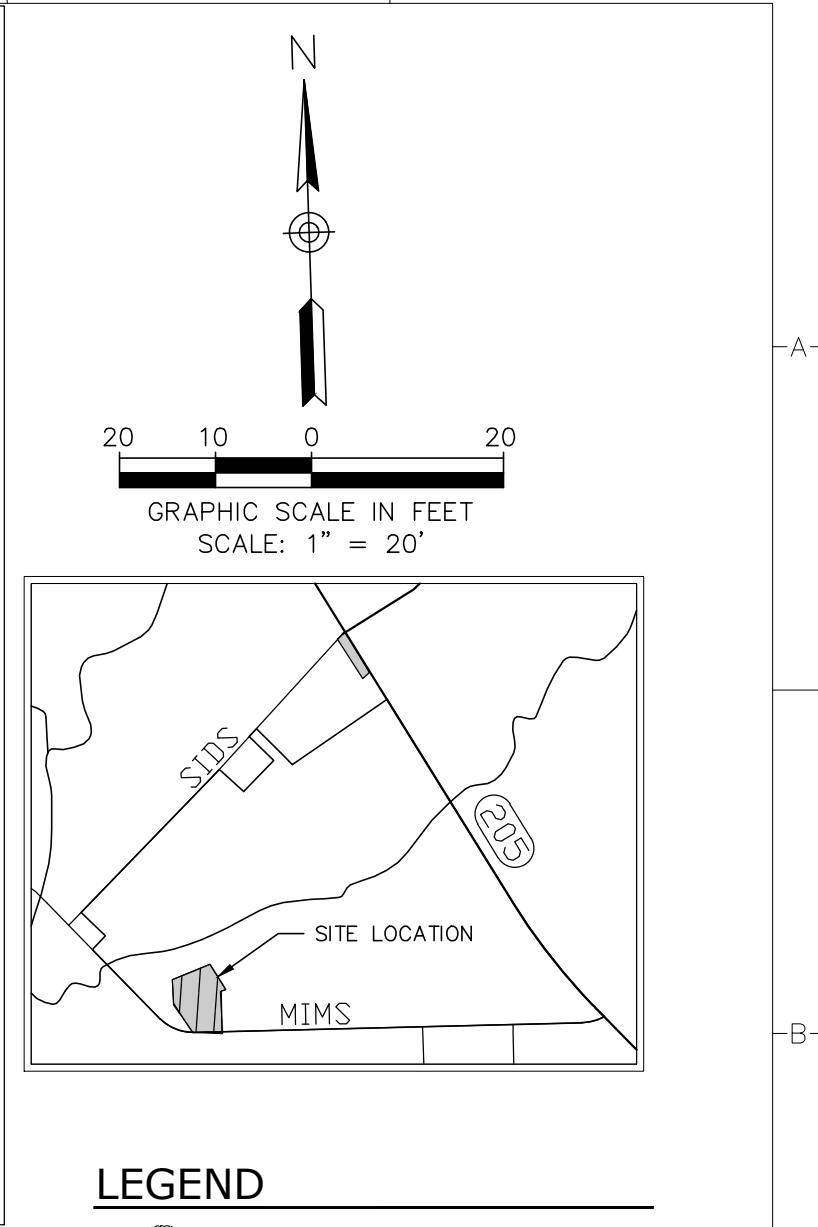


**Site Tree Listing**  
Rayburn Electric Cooperative- Indoor Shooting Range  
March 14, 2025

Location Key	Size DBH (Inches)	Description	Common Name	Comments	Tree Designation			Removal Status	Replacement Caliper Inches
					Primary	Secondary	Non-Protected		
144	4		ELM			x		Remove	4
145	16		CEDAR				x	Remove	8
146	11		CEDAR				x	To Retain	0
401	10		CEDAR				x	To Retain	0
409	7		CEDAR				x	To Retain	0
412	5		CEDAR				x	To Retain	0
413	6		CEDAR				x	Remove	0
414	4		CEDAR				x	To Retain	0
415	5		CEDAR				x	Remove	0
416	14		CEDAR				x	Remove	7
417	7		CEDAR				x	Remove	0
418	12		CEDAR				x	Remove	6
419	7		CEDAR				x	Remove	0
420	7		CEDAR				x	Remove	0
421	8		CEDAR				x	To Retain	0
422	10		CEDAR				x	Remove	0
423	10		CEDAR				x	To Retain	0
424	6		CEDAR				x	Remove	0
425	6		CEDAR				x	Remove	0
426	10		CEDAR				x	Remove	0
427	6.5		CEDAR				x	To Retain	0
530	10		CEDAR				x	To Retain	0
531	4		QMK			x		To Retain	0
532	10		CEDAR				x	To Retain	0
533	4		CEDAR				x	To Retain	0
534	7		CEDAR				x	To Retain	0
549	8		CEDAR				x	To Retain	0
550	8		CEDAR				x	To Retain	0
555	6		CEDAR				x	To Retain	0
556	8		CEDAR				x	To Retain	0
557	8		CEDAR				x	To Retain	0
559	9		CEDAR				x	To Retain	0
561	7		CEDAR				x	To Retain	0
562	15		CEDAR				x	To Retain	0
563	6		CEDAR				x	To Retain	0
564	7		CEDAR				x	To Retain	0
565	6		CEDAR				x	To Retain	0
566	4		CEDAR				x	To Retain	0
567	6		CEDAR				x	To Retain	0
568	7		CEDAR				x	To Retain	0
569	4		CEDAR				x	To Retain	0
570	8		CEDAR				x	To Retain	0
573	6		CEDAR				x	To Retain	0
574	5		CEDAR				x	To Retain	0
575	9		CEDAR				x	To Retain	0
576	4		CEDAR				x	To Retain	0
577	18		CEDAR				x	To Retain	0
578	4		CEDAR				x	To Retain	0
579	5		CEDAR				x	To Retain	0
580	4		CEDAR				x	To Retain	0
583	11		CEDAR				x	To Retain	0
584	9		CEDAR				x	To Retain	0
585	4		CEDAR				x	To Retain	0
586	4		CEDAR				x	To Retain	0
587	4		CEDAR				x	To Retain	0
588	11		CEDAR				x	To Retain	0
589	6		CEDAR				x	To Retain	0
601	7		CEDAR				x	Remove	0
602	7.5		CEDAR				x	Remove	0
603	5		CEDAR				x	Remove	0
604	6.5		CEDAR				x	Remove	0
604	6.5		CEDAR				x	Remove	0
605	5		CEDAR				x	Remove	0
606	12		CEDAR				x	To Retain	0
607	4		CEDAR				x	To Retain	0
608	14		CEDAR				x	To Retain	0
609	11		CEDAR				x	To Retain	0
610	4		CEDAR				x	To Retain	0
611	20		CEDAR				x	To Retain	0
612	14		CEDAR				x	To Retain	0
613	5		CEDAR				x	To Retain	0
614	14		CEDAR				x	To Retain	0
615	11		CEDAR				x	Remove	5.5
616	6		CEDAR				x	To Retain	0
617	5		CEDAR				x	To Retain	0
618	7		CEDAR				x	To Retain	0
619	12		CEDAR				x	Remove	6
620	5		CEDAR				x	Remove	0
621	5		CEDAR				x	Remove	0
622	5		CEDAR				x	Remove	0
623	16		CEDAR				x	Remove	8
624	16		CEDAR				x	Remove	8
625	5		CEDAR				x	Remove	0
626	9		CEDAR				x	Remove	0
626	9		CEDAR				x	Remove	0
627	7		CEDAR				x	Remove	0
628	7		CEDAR				x	Remove	0
629	4		CEDAR				x	Remove	0
629	4		CEDAR				x	Remove	0
630	5		CEDAR				x	Remove	0
631	7		CEDAR				x	Remove	0
634	11		CEDAR				x	Remove	5.5
651	4		CEDAR				x	Remove	0
652	4		CEDAR				x	Remove	0
652	4		CEDAR				x	Remove	0
655	4		ELM				x	To Retain	0
TOTAL	991								58.0

**Proposed Tree Removal Listing**  
Rayburn Electric Cooperative- Indoor Shooting Range  
March 14, 2025

Location Key	Size DBH (Inches)	Description	Common Name	Comments	Tree Designation			Removal Status	Replacement Caliper Inches
					Primary	Secondary	Non-Protected		
144	4		ELM			x		Remove	4
145	16		CEDAR				x	Remove	8
413	6		CEDAR				x	Remove	0
415	5		CEDAR				x	Remove	0
416	14		CEDAR				x	Remove	7
417	7		CEDAR				x	Remove	0
418	12		CEDAR				x	Remove	6
419	7		CEDAR				x	Remove	0
420	7		CEDAR				x	Remove	0
422	8		CEDAR				x	Remove	0
424	6		CEDAR				x	Remove	0
425	6		CEDAR				x	Remove	0
426	10		CEDAR				x	Remove	0
601	7		CEDAR				x	Remove	0
602	7.5		CEDAR				x	Remove	0
603	5		CEDAR				x	Remove	0
604	6.5		CEDAR				x	Remove	0
615	11		CEDAR				x	Remove	5.5
619	12		CEDAR				x	Remove	6
620	5		CEDAR				x	Remove	0
621	5		CEDAR				x	Remove	0
622	5		CEDAR				x	Remove	0
623	16		CEDAR				x	Remove	8
624	16		CEDAR				x	Remove	8
625	5		CEDAR				x	Remove	0
625	5		CEDAR				x	Remove	0
626	9		CEDAR				x	Remove	0
627	7		CEDAR				x	Remove	0
628	7		CEDAR				x	Remove	0
629	4		CEDAR				x	Remove	0
630	5		CEDAR				x	Remove	0
631	7		CEDAR				x	Remove	0
634	11		CEDAR				x	Remove	5.5
651	4		CEDAR				x	Remove	0
652	4		CEDAR				x	Remove	0
TOTAL	270								58.0



**TREE MITIGATION REQUIREMENTS**  
Site Trees Existing- See Tree Listing

**Site Trees Removed- See Proposed Tree Removal Listing**  
58 Total Caliper inches to be removed that require mitigation

Tree Designation-  
Non-Protected- 0 Caliper Inch required to replace  
Secondary- 1/2" Caliper Inch per 1" Caliper removed required to be replaced  
Primary- 1" Caliper Inch per 1" Caliper removed required to be replaced  
Feature- 2" Caliper Inch per 1" Caliper removed required to be replaced

Calculation-  
Replacement Inches needed 58 , Replace with 4" Caliper Trees  
58/4= 15 Trees Required

**15 CANOPY TREES REQUIRED**  
**15 CANOPY TREES PROVIDED**

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

0	03/13/2025	BS	BS	BS	ISSUED FOR REVIEW
REV	DATE	REV. BY	P.M.	ENG.	REVISION/RELEASE

**REC**  
**Rayburn Electric**  
COOPERATIVE

618 Main Street  
Garland, TX 75040  
Ph. (972) 494-5031  
Fax (972) 487-2270  
www.rdelta.com  
TBPE No. F-1515

**rdelta**  
ENGINEERS

PRELIMINARY  
SUBMITTED FOR REVIEW  
BY: Bob Stoffels

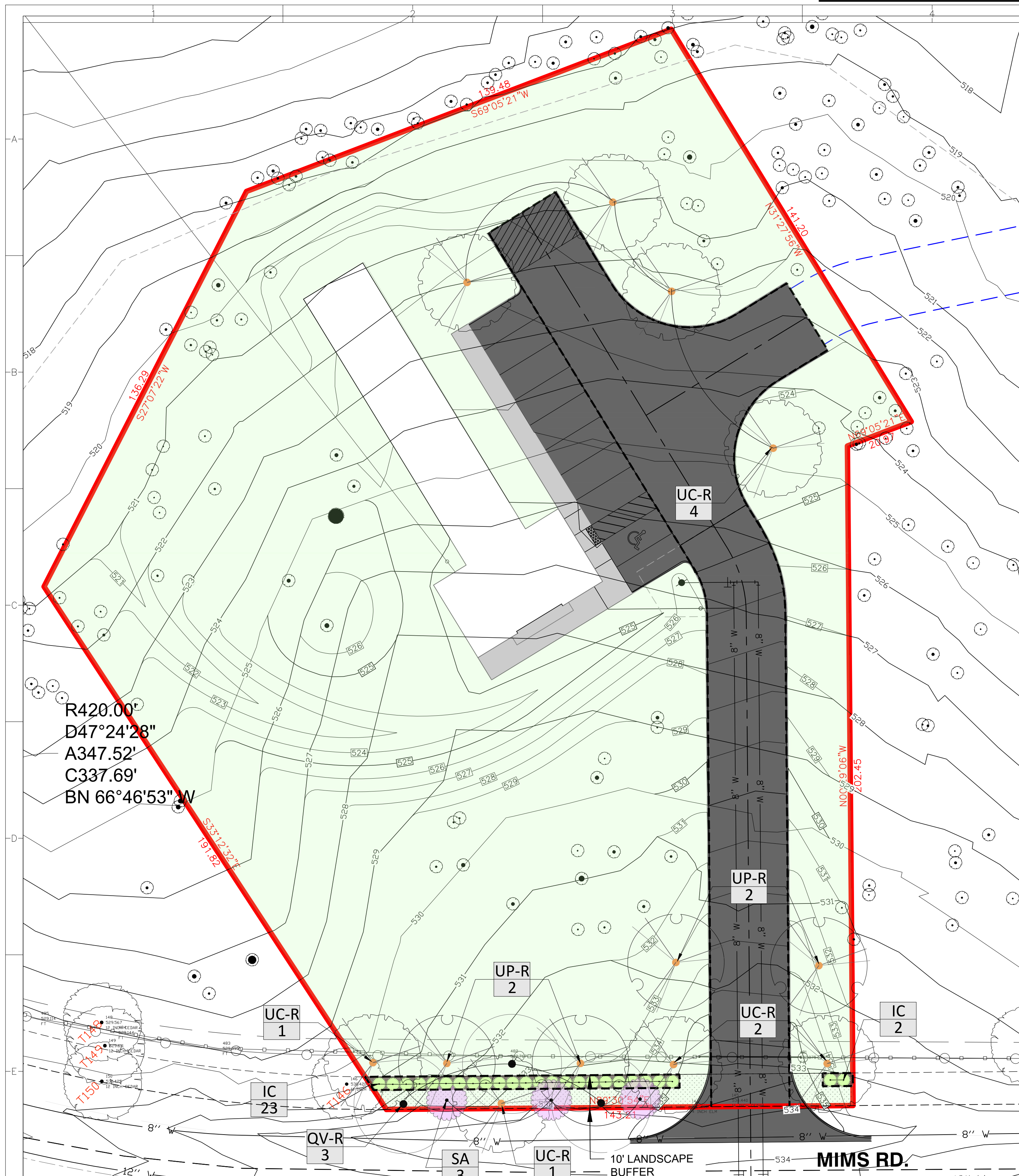
Dunkin Sims Stoffels, Inc.  
Date: March 14, 2025

NOT FOR CONSTRUCTION, BIDDING  
OR PERMITTING PURPOSES

JOB NO.	3036-21	DESIGN BY	BS
CREATED		CODE	
PLOTTED	3/13/2025	CHECKED BY	BS
LAST UPDATE BY _____			
DRAWN:	MW	SCALE:	AS NOTED
CHECKED:		DRAWING NO.:	
APPROVED:		ISSUE:	
FILENAME:			

**REC CAMPUS -**  
**INDOOR SHOOTING**  
**LANDSCAPE PLANS**

**TREESCAPE PLAN**



**Plant Schedule**

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
	UC	8	Ulmus crassifolia	Cedar Elm	65 gal.	4" Caliper, Min 12' Ht., 7' Spread
	UP	4	Ulmus parvifolia	Lacebark Elm	65 gal.	4" Caliper, Min 12' Ht., 7' Spread
	QV	3	Quercus virginiana	Live Oak	65 gal.	4" Caliper, Min 12' Ht., 7' Spread
	SA	3	Sophora affinis	Eve's Necklace	45 gal.	3" Caliper, Min 6' Ht., 4' Spread

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
	IC	25	Ilex cornuta 'Burfordii Nana'	Dwarf Burford Holly	10 gal.	Cont.	4" O.C., Min. 3' Ht.

GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	REMARKS
	Ber c11	45,975 s.f.	Tif Tuf Bermuda	Tif Tuf Bermuda Grass	Solid Sod
	Shd mul	425 s.f.		Shredded Hardwood Mulch	--

**NOTES**

- "The owner, tenant and their agent, if any, shall be jointly and severally responsible for the maintenance of all landscaping. All required landscaping shall be maintained in a neat and orderly manner at all times. This shall include mowing, edging, pruning, fertilizing, watering, weeding, and such activities common to the maintenance of landscaping"
- "Landscape areas shall be kept free of trash, litter, weeds and other such material or plants not a part of the landscaping"
- "No substitutions for plant materials without approval by the Director"
- "The right-of-way adjacent to required landscape areas shall be maintained by the property owner in the same manner as the required landscape area. All driveways shall maintain site visibility. All plantings intended for erosion control will be maintained. The City may require revegetation to prevent erosion or slippage"
- "All plant material shall be maintained in a healthy and growing condition as is appropriate for the season of the year. Plant materials which die shall be replaced with plant material of similar variety and size"
- "When overhead or underground utilities are present, landscape plan alterations may be considered by the Director"
- "All required landscape areas shall be provided with an automatic underground irrigation system with rain and freeze sensors and/or evapotranspiration (ET) weather-based controllers and said irrigation system shall be designed by a qualified professional and installed by a licensed irrigator"
- "All trees are to be equipped with a bubbler irrigation system"
- "Required landscaped open areas and disturbed soil areas shall be completely covered with living plant material"
- "All streetscape furniture (benches, lampposts, trash receptacles, patio furniture, bike racks, etc.) shall be a chip and flake resistant metal, decorative, and generally black "storm cloud" or comparable in color"
- "Excessive pruning of plant materials is prohibited. (e.g. topping crape myrtles, pruning "up" creating a carrot top)"
- "All transformers and mechanical equipment to be screened with evergreen shrubs, to be 2' at time of planting."
- No Tree Planting within 5 feet of water/storm sewer lines.

**LANDSCAPE REQUIREMENTS**

Total Site Area - 61,277 SF = 1.41 Acres  
 Site Landscape Area - 46,400 SF = 76% of Site  
**45,975 SF TURF PROVIDED**  
**425 SF LANDSCAPE PLANTING BED PROVIDED**

**Landscape Buffer Components Street Frontage- Mims Rd.**  
 Total (10' Wide) Required Landscape Buffer Area - 1,169 SF  
 Total (10' Wide) Provided Landscape Buffer Area - 1,169 SF

**425 SF OF LANDSCAPE BED**  
**744 SF OF TURF PROVIDED**

**Landscape Buffer Trees Street Frontage- Mims Rd.**  
 Street Frontage Length - 143 LF  
 1 Canopy Tree per 50 LF of Street Frontage (Min. 4" Cal.)  
 1 Accent Tree per 50 LF of Street Frontage (6" Ht. Min.)

**3 CANOPY / 3 ACCENT TREES REQUIRED**  
**3 CANOPY / 3 ACCENT TREES PROVIDED**

**Landscape Parking Trees**  
 1 Canopy Tree/ 10 parking spaces  
 1 Tree within 80' of each parking space

**1 TREE REQUIRED**  
**4 TREES PROVIDED**

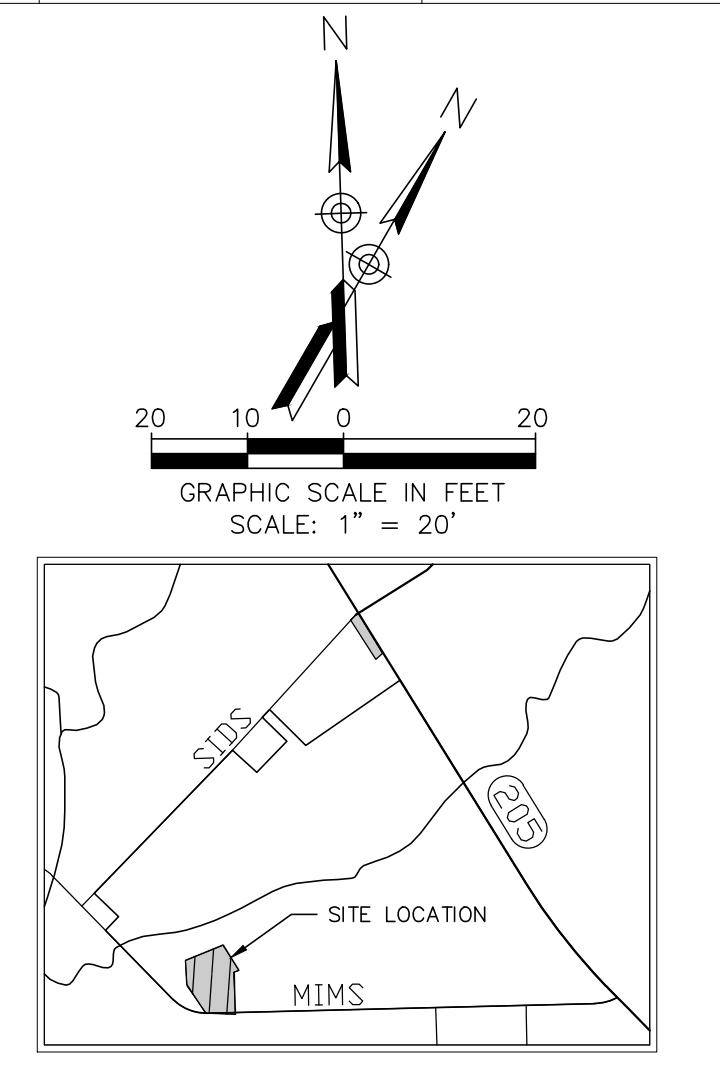
**IRRIGATION:**

An automatic irrigation system will be installed by the Owner, to water the required landscape improvements. Irrigation plans to be provided.

**NOTE:**

Landscape Plans shall meet requirements in the Unified Development Code-Article 8 with exceptions granted to Owner.

Trees that are existing within the landscape buffer or limbs that enter into the landscape buffer shall be pruned by a certified arborist. It shall be pruned to allow for sunlight to filter through the existing tree to facilitate success of newly planted trees.



**LEGEND**

- LO 3 PLANT SYMBOL REF. PLANT SCHEDULE PLANT QUANTITY
- LO-R 3 -R = REPLACEMENT TREE FOR MITIGATION REF. PLANT SCHEDULE PLANT QUANTITY
- EXISTING TREES TO REMAIN
- METAL EDGING @ PLANTING BED BORDER WITH TURF, QUANTITY- 226 L.F.

**TREE MITIGATION REQUIREMENTS**

Site Trees Existing- See Tree Listing- Sheet LP-1  
 Site Trees Removed- See Proposed Tree Removal Listing- Sheet LP-1  
 58 Total Caliper inches to be removed that require mitigation

Tree Designation-  
 Non-Protected- 0 Caliper Inch required to replace  
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\_\_\_\_\_  
 Planning & Zoning Commission, Chairman

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

0	03/13/2025	BS	BS	BS	ISSUED FOR REVIEW
REV	DATE	REV. BY	P.M.	ENG.	REVISION/RELEASE

**REC**  
**Rayburn Electric**  
 COOPERATIVE

618 Main Street  
 Garland, TX 75040  
 Ph. (972) 494-5031  
 Fax (972) 487-2270  
 www.rdelta.com  
 TBPE No. F-1515

**rdelta**  
 ENGINEERS

**DUNKIN**  
**SIMS**  
**STOFFELS**  
**INC.**

PRELIMINARY  
 SUBMITTED FOR REVIEW  
 BY: Bob Stoffels

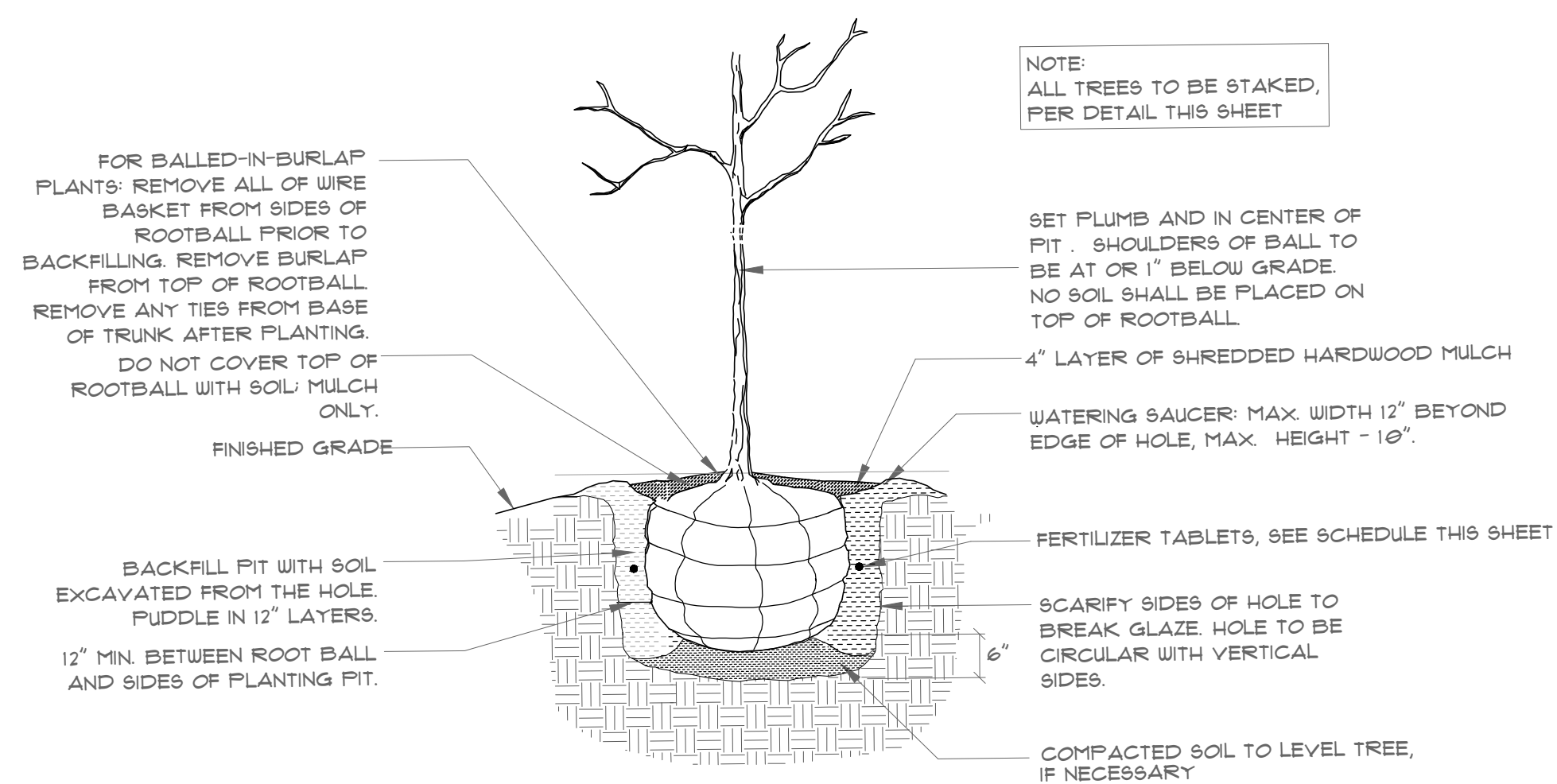
Dunkin Sims Stoffels, Inc.  
 Date: March 14, 2025

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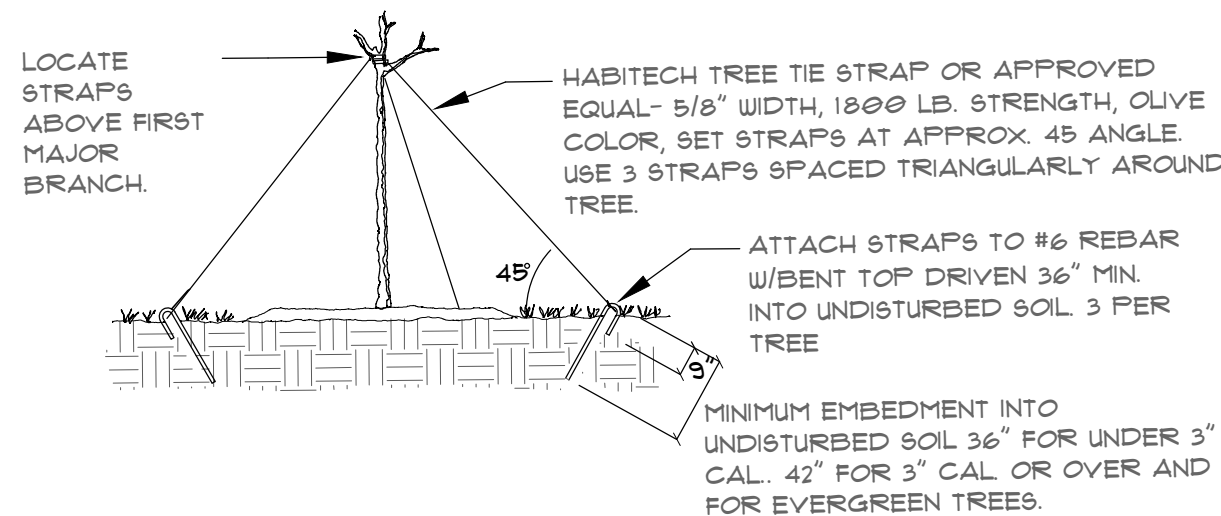
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CREATED		CODE	
PLOTTED	3/13/2025	CHECKED BY	BS
		LAST UPDATE BY	
DRAWN:	MW	SCALE:	AS NOTED
CHECKED:		DRAWING NO.:	ISSUE:
APPROVED:		<b>LP-2</b>	<b>0</b>
FILENAME:			

**REC CAMPUS -**  
**INDOOR SHOOTING**  
**LANDSCAPE PLANS**

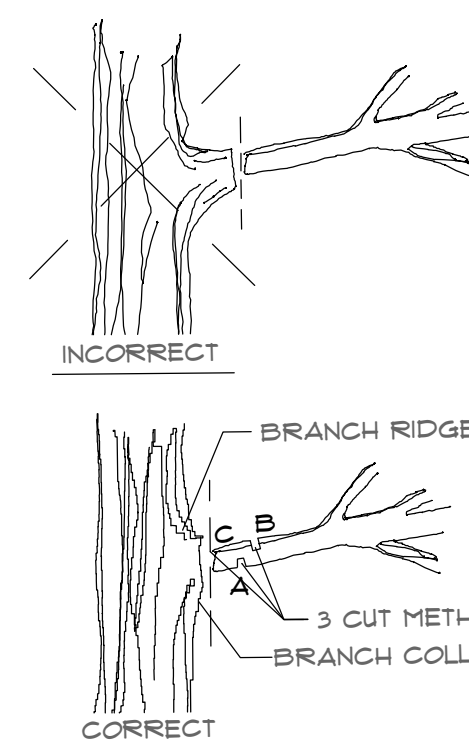
**LANDSCAPE PLAN**



**A** SECTION: TREE PLANTING - B&B, BOX, CONT.  
NTS

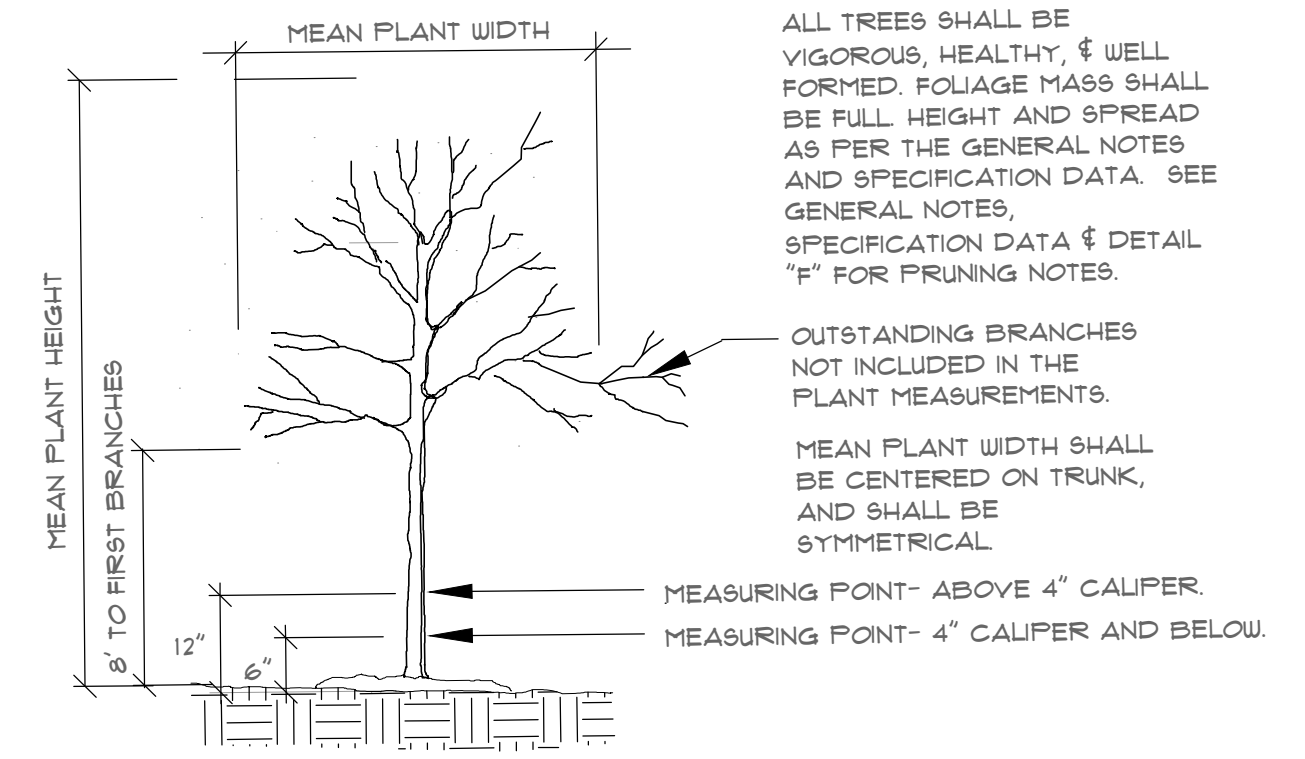


**B** SECTION: TREE GUYING  
NTS



- PRUNING NOTES:**
1. REMOVE ALL BROKEN, DISEASED, OR WEAK BRANCHES.
  2. MAKE ALL CUTS AS CLOSE TO THE BRANCH AS POSSIBLE-LEAVE THE BRANCH COLLAR DO NOT CUT A LEADER.
  3. PRUNE 90 AS TO RETAIN THE NATURAL FORM OF THE TREE
  4. REMOVE APPROXIMATELY 1/3 OF INTERIOR BRANCHING.
  5. DO NOT TIP PRUNE.
  6. CONTACT LANDSCAPE ARCHITECT PRIOR TO PRUNING FOR FURTHER INSTRUCTIONS.
  7. CUTS OVER 1/2" DIAMETER MADE TO TREES OF THE OAK FAMILY (IE RED OAK, LIVE OAK, BUR OAK, ETC.) FROM FEBRUARY 15 - DECEMBER 15 SHALL BE PAINTED WITH TREE PRUNING PAINT IMMEDIATELY FOLLOWING PRUNING (ONE HOUR MAX.) APPLY SUFFICIENT COATS TO ENSURE SEALING OF THE CUT.
  8. REMOVE LARGE LIMBS BY PERFORMING THE 3-CUT METHOD.

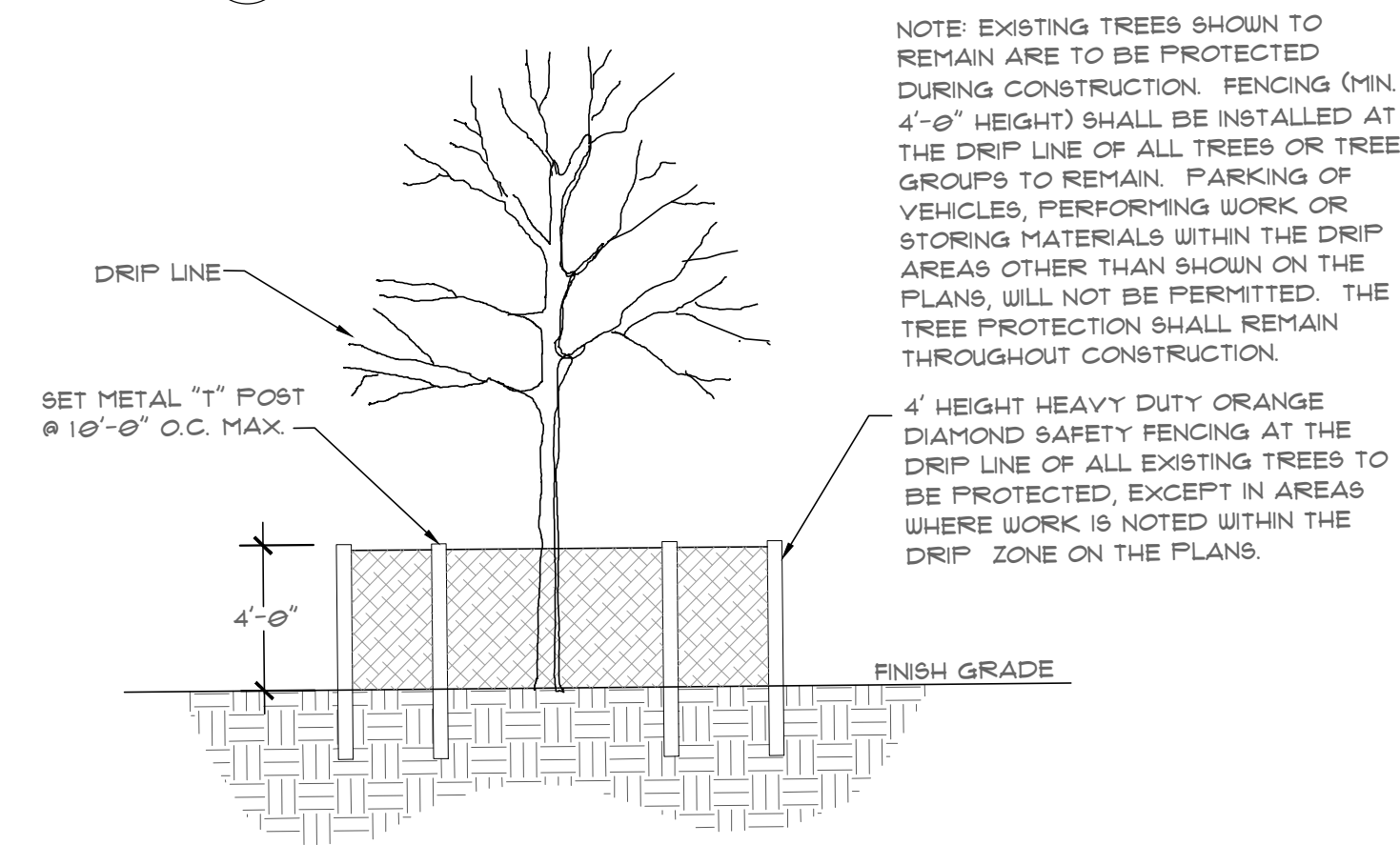
**C** SECTION: TREE PRUNING  
NTS



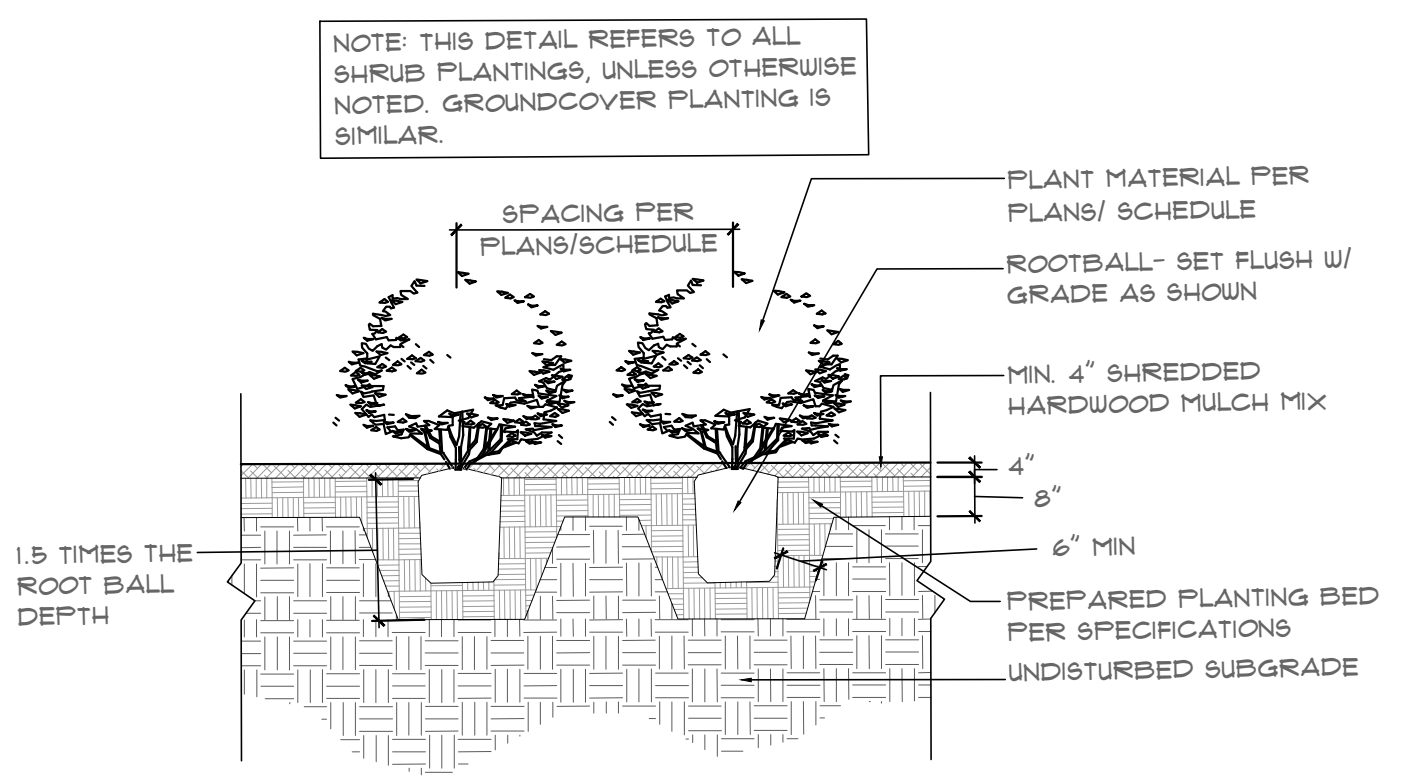
**D** SECTION: TREE MEASURING  
NTS

FERTILIZER SCHEDULE: PLANTING	
TREES	SHRUBS AND PERENNIALS:
5-GALLON TREES 2 AGRIFORM* 21 GRAM TABLETS	1-GALLON AND SMALLER 1 AGRIFORM* 21 GRAM TABLET
15-GALLON TREES 3 AGRIFORM* 21 GRAM TABLETS	3 TO 5-GALLON AND B&B MATERIAL WITH SPREADS TO THREE (3) FT. 2 AGRIFORM* 21 GRAM TABLETS
30-GALLON AND ALL B&B MATERIAL 1 AGRIFORM* 21 GRAM TABLET PER CALIPER EACH ONE-HALF (1/2) INCH OF CALIPER	15-GALLON AND B&B MATERIAL WITH SPREADS GREATER THAN THREE (3) FT. 3 AGRIFORM* 21 GRAM TABLETS
SPACE TABLETS EVENLY AROUND ROOT BALL APPROX. 8" BELOW GRADE. PLACE NEXT TO BALL	PLACE TABLETS AT A DEPTH APPROX 1/3 BALL DEPTH AND NEXT TO BALL
* OR APPROVED EQUAL	* OR APPROVED EQUAL

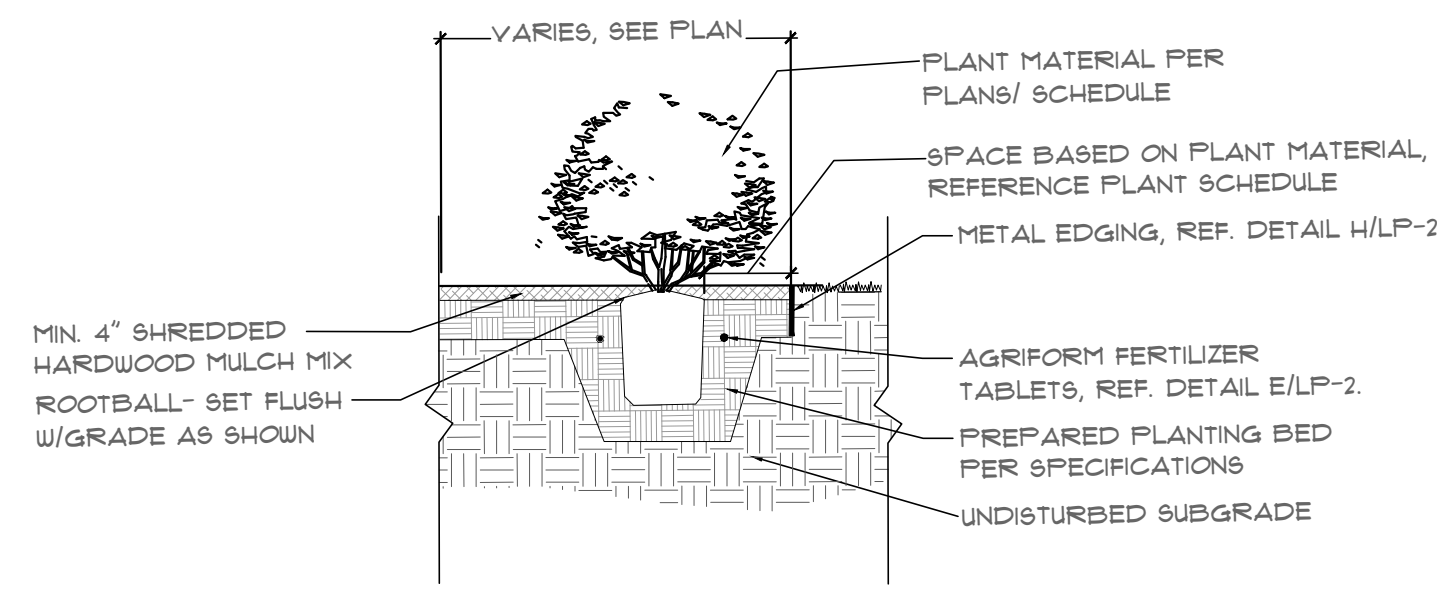
**E** CHART: FERTILIZER SCHEDULE



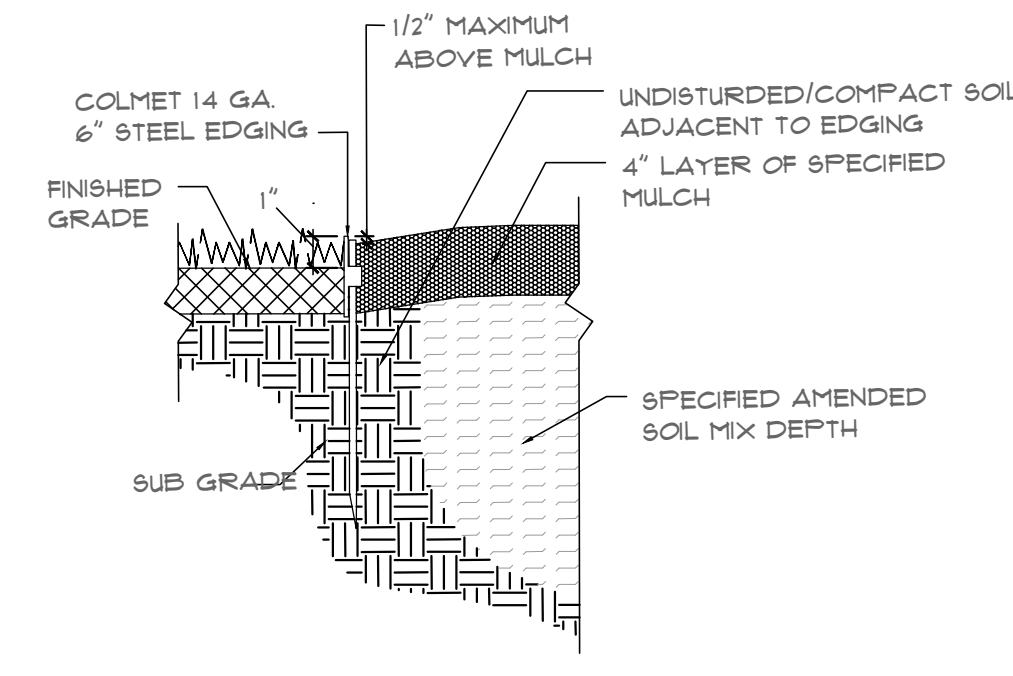
**C** SECTION: TREE PROTECTION  
NTS



**F** DETAIL: LANDSCAPE BED W/ MULCH  
NOT TO SCALE



**G** SECTION: LANDSCAPE BED W/ MULCH AND METAL EDGING  
NOT TO SCALE



**H** SECTION: METAL EDGING  
NOT TO SCALE

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

0	03/12/2025	BS	BS	BS	ISSUED FOR REVIEW
REV	DATE	REV.BY	P.M.	ENG.	REVISION/RELEASE

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SIMS  
STOFFELS  
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PRELIMINARY  
SUBMITTED FOR REVIEW  
BY: \_\_\_Bob Stoffels\_\_\_

Dunkin Sims Stoffels, Inc.  
Date: March 14, 2025

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JOB NO.	3036-21	DESIGN BY	BS
CREATED		CODE	
PLOTTED	3/12/2025	CHECKED BY	BS
LAST UPDATE BY			
DRAWN:	MW	SCALE:	AS NOTED
CHECKED:		DRAWING NO.:	LP-3
APPROVED:		ISSUE:	0
FILENAME:			

**REC CAMPUS-INDOOR SHOOTING LANDSCAPE PLANS**

**LANDSCAPE DETAILS**



# WEDGE3 LED

## Architectural Wall Sconce



Catalog Number

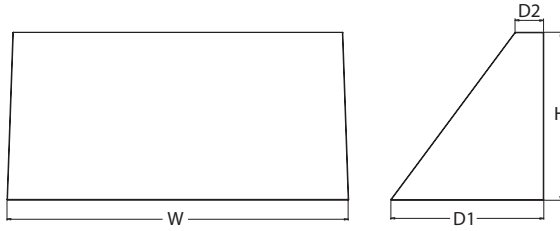
Notes

Type

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

### Specifications

<b>Depth (D1):</b>	8"
<b>Depth (D2):</b>	1.5"
<b>Height:</b>	9"
<b>Width:</b>	18"
<b>Weight:</b> (without options)	19.5 lbs



### Introduction

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

WEDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit [www.acuitybrands.com/designselect](http://www.acuitybrands.com/designselect).  
\*See ordering tree for details

### WEDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WEDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WEDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WEDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WEDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	6,000	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

### Ordering Information

**EXAMPLE:** WEDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WEDGE3 LED	P0 P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	70CRI 80CRI	R2 Type 2 R3 Type 3 R4 Type 4 RFT Forward Throw	MVOLT 347 <sup>1</sup> 480 <sup>1</sup>	<b>Shipped included</b> SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>2</sup> <b>Shipped separately</b> AWS 3/8 inch Architectural wall spacer <sup>3</sup> PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available. <sup>3</sup>

Options	Finish
<b>E15WH</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (15W, 5°C min) <b>E20WC</b> Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) <b>PE</b> Photocell, Button Type <sup>4</sup> <b>DMG</b> 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>5</sup> <b>BCE</b> Bottom conduit entry for back box (PBBW). Total of 4 entry points. <b>SPD10KV</b> 10KV Surge pack <sup>6</sup> <b>CCE</b> Coastal Construction <sup>3</sup>	<b>Standalone Sensors/Controls</b> <b>PIR</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. <b>PIRH</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. <b>PIRH1FC3V</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. <b>PIRH1FC3V</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. <b>Networked Sensors/Controls</b> <b>NLTAIR2 PIR</b> Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights. <b>NLTAIR2 PIRH</b> Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15'-30' mounting heights. <b>NLTAIREM2 PIR</b> Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights <sup>7</sup> <b>NLTAIREM2 PIRH</b> Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 15'-30' mounting heights See page 4 for out of box functionality
	<b>DDBXD</b> Dark bronze <b>DBLXD</b> Black <b>DNAXD</b> Natural aluminum <b>DWHXD</b> White <b>DSSXD</b> Sandstone <b>DBTDX</b> Textured dark bronze <b>DBLBD</b> Textured black <b>DNATXD</b> Textured natural aluminum <b>DWHGXD</b> Textured white <b>DSSTXD</b> Textured sandstone

### Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE3PBBW DDBXD U	WDGE3 surface-mounted back box (specify finish)

### NOTES

- 347V and 480V not available with E15WH and E20WC.
- Not qualified for DLC. Not available with emergency battery backup or sensors/controls
- For PBBW and AWS with CCE option, require an RFA.
- PE not available in 480V and with sensors/controls.
- DMG option not available with sensors/controls.
- Not available with E20WC option.
- Available with MVOLT only and only rated to 25C ambient.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
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WEDGE3 LED  
Rev. 07/08/24

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	41W	R2	6,172	151	1	0	1	6,104	149	2	0	1	6,394	156	2	0	1
		R3	6,071	148	1	0	2	6,004	146	1	0	2	6,290	153	1	0	2
		R4	6,256	153	1	0	2	6,187	151	1	0	2	6,481	158	1	0	2
		RFT	6,126	149	1	0	2	6,058	148	1	0	2	6,347	155	1	0	2
P1	52W	R2	7,037	136	1	0	1	7,649	148	2	0	1	7,649	148	2	0	1
		R3	6,922	134	1	0	2	7,524	145	1	0	2	7,524	145	1	0	2
		R4	7,133	138	1	0	2	7,753	150	1	0	2	7,753	150	1	0	2
		RFT	6,985	135	1	0	2	7,592	147	1	0	2	7,592	147	1	0	2
P2	59W	R2	7,968	135	2	0	1	8,661	147	2	0	1	8,661	147	2	0	1
		R3	7,838	133	1	0	2	8,519	144	1	0	2	8,519	144	1	0	2
		R4	8,077	137	1	0	2	8,779	149	1	0	2	8,779	149	1	0	2
		RFT	7,909	134	1	0	2	8,597	146	2	0	2	8,597	146	2	0	2
P3	71W	R2	9,404	132	2	0	1	10,221	143	2	0	1	10,221	143	2	0	1
		R3	9,250	130	2	0	2	10,054	141	2	0	2	10,054	141	2	0	2
		R4	9,532	134	2	0	2	10,361	145	2	0	2	10,361	145	2	0	2
		RFT	9,334	131	2	0	2	10,146	142	2	0	2	10,146	142	2	0	2
P4	88W	R2	11,380	129	2	0	1	12,369	140	2	0	1	12,369	140	2	0	1
		R3	11,194	127	2	0	2	12,167	138	2	0	2	12,167	138	2	0	2
		R4	11,535	131	2	0	2	12,538	142	2	0	2	12,538	142	2	0	2
		RFT	11,295	128	2	0	2	12,277	139	2	0	2	12,277	139	2	0	2

### Lumen Output in Emergency Mode (4000K, 70 CRI)

Option	Dist. Type	Lumens
E15WH	R2	3,185
	R3	3,133
	R4	3,229
	RFT	3,162
E20WC	R2	3,669
	R3	3,609
	R4	3,719
	RFT	3,642

### Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	52W	0.437	0.246	0.213	0.186	0.150	0.110
P2	59W	0.498	0.287	0.251	0.220	0.175	0.126
P3	71W	0.598	0.344	0.300	0.262	0.210	0.152
P4	88W	0.727	0.424	0.373	0.333	0.260	0.190

### Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.891
40K	0.906
50K	0.906

### Lumen Ambient Temperature (LAT) Multipliers

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

Ambient	Lumen Multiplier
0°C / 32°F	1.05
10°C / 50°F	1.03
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.97

### Projected LED Lumen Maintenance

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

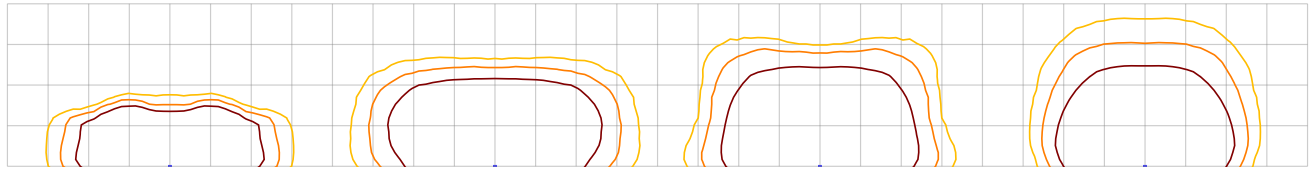
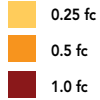
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.98	>0.97	>0.92

## Photometric Diagrams

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

### LEGEND



MH = 15ft  
Grid = 15ft x 15ft

WDGE3 LED P3 40K 70CRI R2

WDGE3 LED P3 40K 70CRI R3

WDGE3 LED P3 40K 70CRI R4

WDGE3 LED P3 40K 70CRI RFT

## Emergency Egress Options

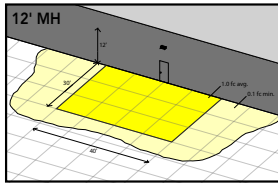
### Emergency Battery Backup

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

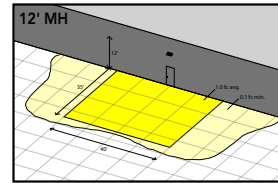
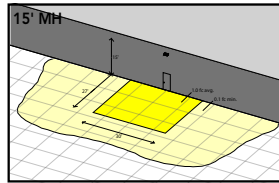
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E15WH or E20WC and R4 distribution.

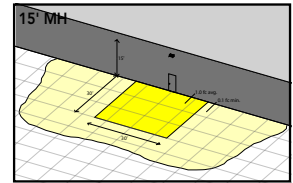
Grid = 10ft x 10ft



WDGE3 LED xx 40K 70CRI R4 MVOLT E15WH



WDGE3 LED xx 40K 70CRI R4 MVOLT E20WC



## Control / Sensor Options

### Motion/Ambient Sensor (PIR, PIRH)

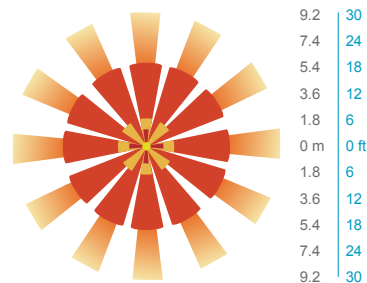
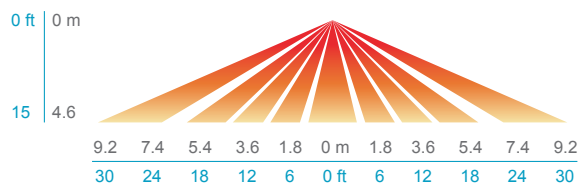
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing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

### Networked Control (NLTAIR2)

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

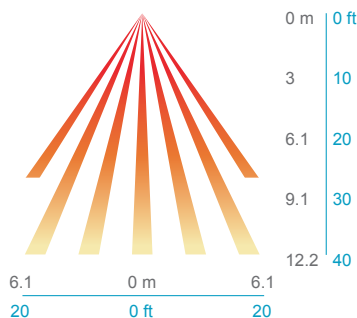
#### PIR

##### HIGH VIEW

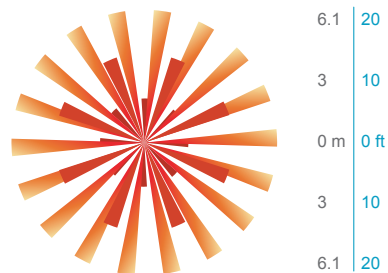


#### PIRH

##### SIDE VIEW



##### TOP VIEW



### Motion/Ambient Sensor Default Settings

Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH, NLTAIREM2 PIR, NLTAIREM2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

### UL 924 Response - nLight AIR Devices with EM Option

- NLTAIREM2 devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, NLTAIREM2 devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- The non-emergency devices, NLTAIR2 PIR and NLTAIR2 PIRH, with version 3.4 or later firmware can be used for normal power sensing.



### NLTAIR2 PIR – nLight AIR Motion/Ambient Sensor

D = 8"  
H = 11"  
W = 18"



### PBBW – Surface-Mounted Back Box Use when there is no junction box available.

D = 1.75"  
H = 9"  
W = 18"



### AWS – 3/8inch Architectural Wall Spacer

D = 0.38"  
H = 4.4"  
W = 7.5"

## FEATURES & SPECIFICATIONS

### INTENDED USE

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

### CONSTRUCTION

The single-piece die-cast aluminum housing to optimize thermal transfer from the light engine and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. Light engines are available in 3000 K, 4000 K or 5000 K configurations. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

### INSTALLATION

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

### LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature and SRM mounting only.

### GOVERNMENT PROCUREMENT

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

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

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



Catalog Number
Notes
Type

## FEATURES & SPECIFICATIONS

### INTENDED USE

Provides years of maintenance-free illumination for indoor or outdoor use in residential & commercial applications.

### CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in an industrial grey finish.

Sealed gasket protects against moisture and dust.

### OPTICS

4000K CCT LEDs.

Frosted glass diffuser provides even light distribution.

### LUMEN MAINTENANCE

LEDs will deliver 70% of their initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

### ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V

Operating temperature -40°C to 40°C.

4kV surge protection standard.

### INSTALLATION

Mounts to ceiling or wall with surface mount junction box (included).

### LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Full warranty terms located at [www.AcuityBrands.com/CustomerResources/Terms\\_and\\_Conditions.aspx](http://www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx)

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications are subject to change without notice.

Outdoor General Purpose

# OLVTCM & OLVTWM

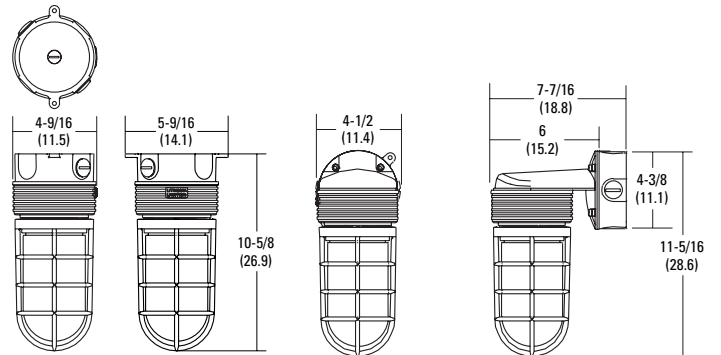


LED VAPORTIGHT



### Specifications

All dimensions are in inches (centimeters)



### ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OLVTCM

Series	Color temperature	Voltage	Finish
<b>OLVTCM</b> Ceiling MT	<b>(blank)</b> 4000K	<b>(blank)</b> MVOLT (120V-277V)	<b>(blank)</b> Grey
<b>OLVTWM</b> Wall MT			

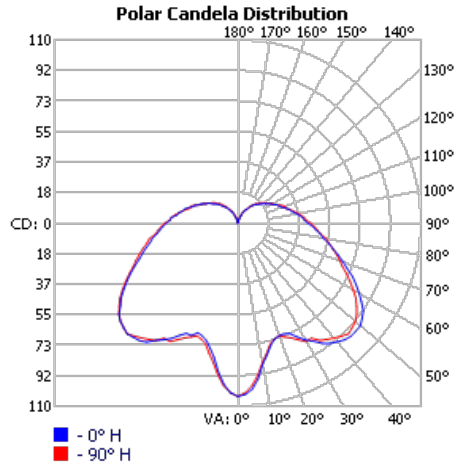
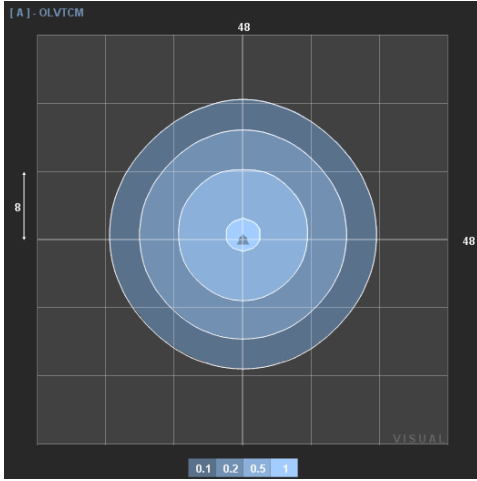
Series	System Wattage	Lumens
OLVTCM	15W	600
OLVTWM	15W	600

# OLVTCM & OLVTWM LED Vaportight

## PHOTOMETRICS

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

### OLVTCM



### OLVTWM

