



# DEVELOPMENT APPLICATION

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

STAFF USE ONLY

PLANNING & ZONING CASE NO. SP2021-015

**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</sup>
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE)<sup>1</sup>

### OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST (\$100.00)

### 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.

## PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS SPRINGER RD. LOTS BLOCK A

SUBDIVISION SHARP ADDITION LOT 5 BLOCK A

GENERAL LOCATION SPRINGER RD SOUTH SIDE WEST OF DATA DR.

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

CURRENT ZONING PD 46 CURRENT USE VACANT

PROPOSED ZONING SAME PROPOSED USE OFF/WHSE

ACREAGE 1.9 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]

<input type="checkbox"/> OWNER <u>KRIS SHARP</u>	<input checked="" type="checkbox"/> APPLICANT <u>MERSHAWN ARCH.</u>
CONTACT PERSON	CONTACT PERSON <u>GREG WALUIS</u>
ADDRESS <u>2578 HWY 276</u>	ADDRESS <u>1520 EAST I-30</u>
CITY, STATE & ZIP <u>ROCKWALL</u>	CITY, STATE & ZIP <u>ROCKWALL, TX 75087</u>
PHONE <u>214-392-0689</u>	PHONE <u>817-235-9293</u>
E-MAIL <u>kris.sharp@sharpinculation.com</u>	E-MAIL <u>mershawrarch@gmail.com</u>

## NOTARY VERIFICATION [REQUIRED]

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

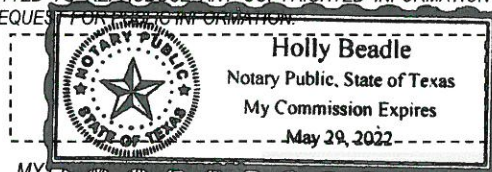
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ 270.00 TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 13 DAY OF May, 2021. BY SIGNING THIS APPLICATION, 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 May, 2021.

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

[Signature]  
[Signature]





SP2021-015- SITE PLAN FOR SHARP WAREHOUSE III  
 SITE PLAN - LOCATION MAP =

SPRINGER

STATE HIGHWAY 276

SILVERVIEW

DATA



# City of Rockwall

Planning & Zoning Department  
 385 S. Goliad Street  
 Rockwall, Texas 75032  
 (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.





City of Rockwall  
2021  
Planning and Zoning Department  
Ryan Miller  
Re: Sharp Office/Warehouse

May 14, 2021,

## LETTER OF VARIANCE

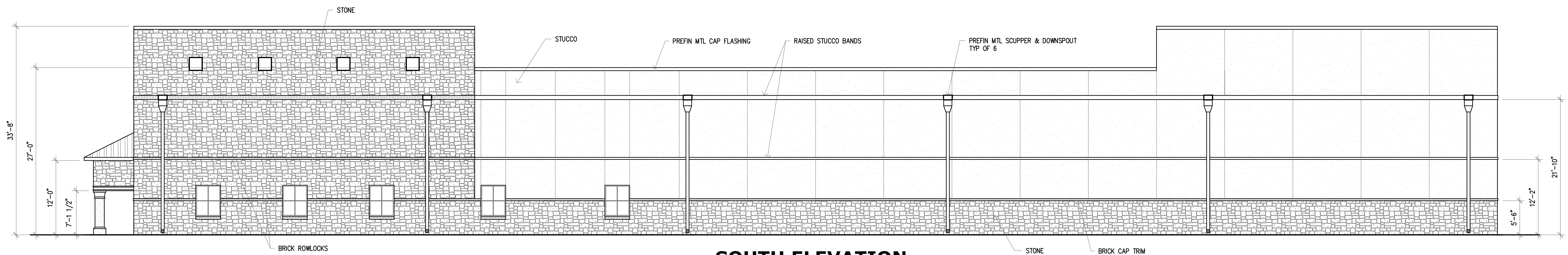
We respectfully request a variance for the horizontal articulation on the rear (south) elevation and east elevation for this project. We have provided compensatory measures as listed.

1. Increased landscaping with additional accent trees, along with additional landscape space.
2. Increased masonry and stone percentages.
3. Increased architectural elements with three additional.

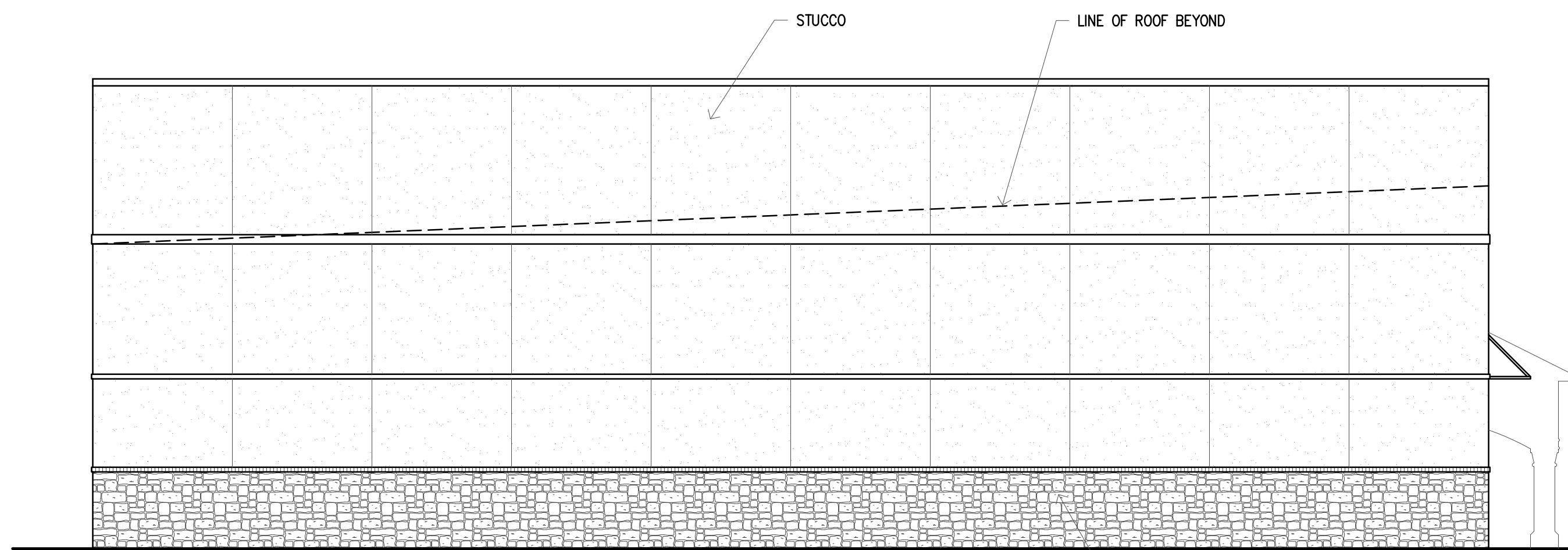
We also would like to include a short vertical wall detention with stone faces if this becomes necessary during the engineering design of this project.

Landscaping requirements for this detention area have been exceeded to help facilitate this request.

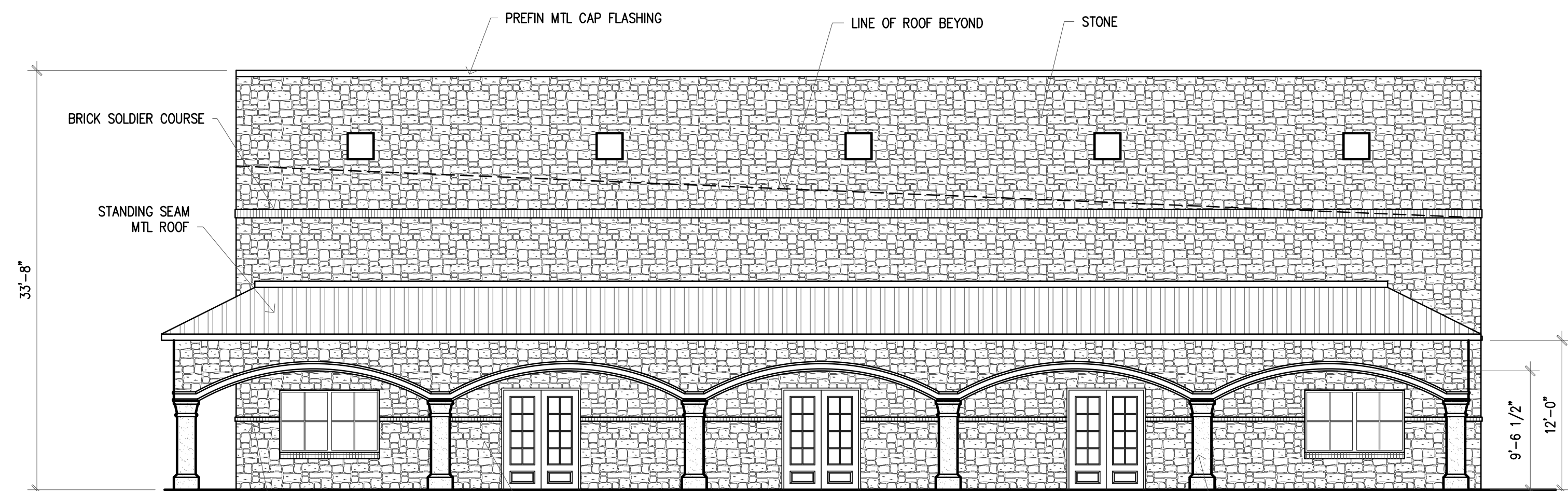
CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



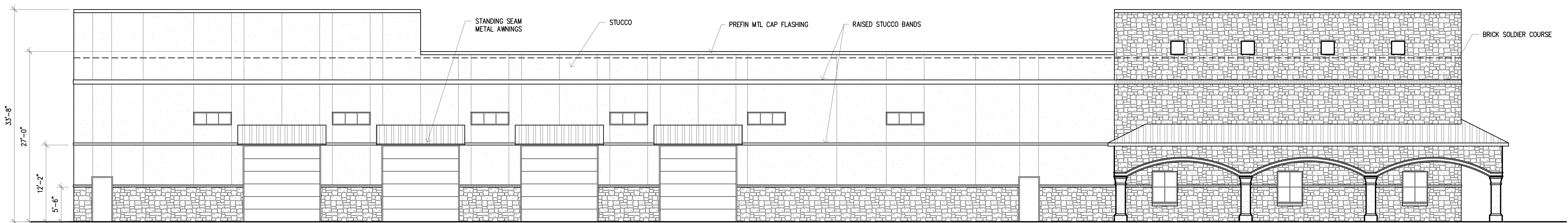
**SOUTH ELEVATION**  
41% STONE 59% STUCCO



**EAST ELEVATION**  
17% STONE 83% STUCCO



**WEST ELEVATION**  
100% STONE



**NORTH ELEVATION**  
41% STONE 59% STUCCO

**ARCHITECTURAL ELEMENTS**

1. AWNINGS
2. ARCHES
3. ARTICULATED BASE
4. MOLDING TRIM
5. VARIED ROOF HEIGHTS
6. RECESS ENTRY
7. CLEAR STORY WINDOWS

**SITE PLAN SIGNATURE BLOCK**

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 and zoning commission of the City of Rockwall on the \_\_\_\_\_, 2020.

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

Planning & Zoning Commission, Chairman      Director of Planning and Zoning

**PRICING & CONSTRUCTION GENERAL NOTES:**

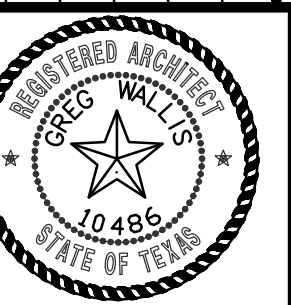
1. THESE DRAWINGS ARE DIAGNOSTIC IN NATURE AND ARE NOT INTENDED TO INCLUDE EACH AND EVERY FITTING OFFSET, OR OTHER APPURTENANCE NECESSARY TO COMPLETE THE SYSTEM.
2. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO REVIEW THE DOCUMENTS AND INCLUDE ALL NECESSARY ITEMS TO PROVIDE A COMPLETE OPERATIONAL SYSTEM.
3. ANY DISCREPANCIES NOTED BY THE SUBCONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT (IN WRITING) BEFORE BEGINNING THIS PROJECT.
4. AFTER WORK IS ISSUED IN, THE SUBCONTRACTOR SHALL COMPLETE THE SYSTEMS AT NO ADDITIONAL COST.
5. PLUMBING, MECHANICAL, AND ELECTRICAL SUBCONTRACTORS ARE RESPONSIBLE FOR COORDINATING ALL COMPONENTS TO INSURE COMPLETE AND WORKING SYSTEMS. EACH SUBCONTRACTOR SHALL REVIEW ALL DRAWINGS FOR COMPLIANCE.
6. THE ARCHITECT WILL BE RESPONSIBLE TO DETERMINE WHICH TRADE SHALL PROVIDE AND INSTALL ANY COMPONENTS MISSED FOR WORKING SYSTEMS AS NEEDED.

OWNER  
SHARP INSULATION  
2525 HWY 75E  
ROCKWALL, TEXAS 75087  
972-982-0669  
CASE #SP2021-000

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RESIDENTIAL RESTAURANTS  
INSTITUTIONAL  
**ARCHITECTS**  
MEDICAL COMMERCIAL  
CHURCHES  
**MERSHAWN**  
15220 E INTERSTATE 30  
ROCKWALL, TEXAS 75087  
PHONE: 469-745-1701

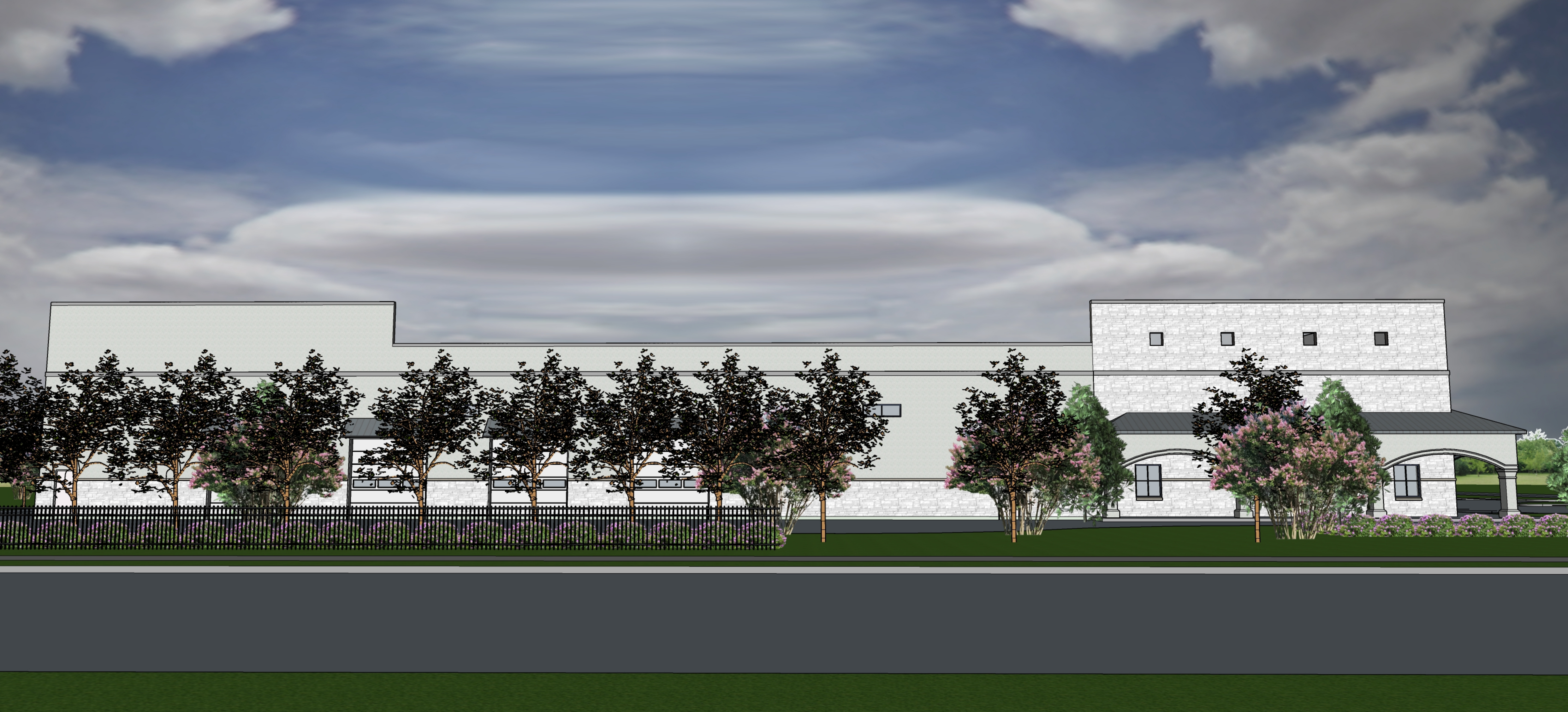
No.	Date	Revision	By



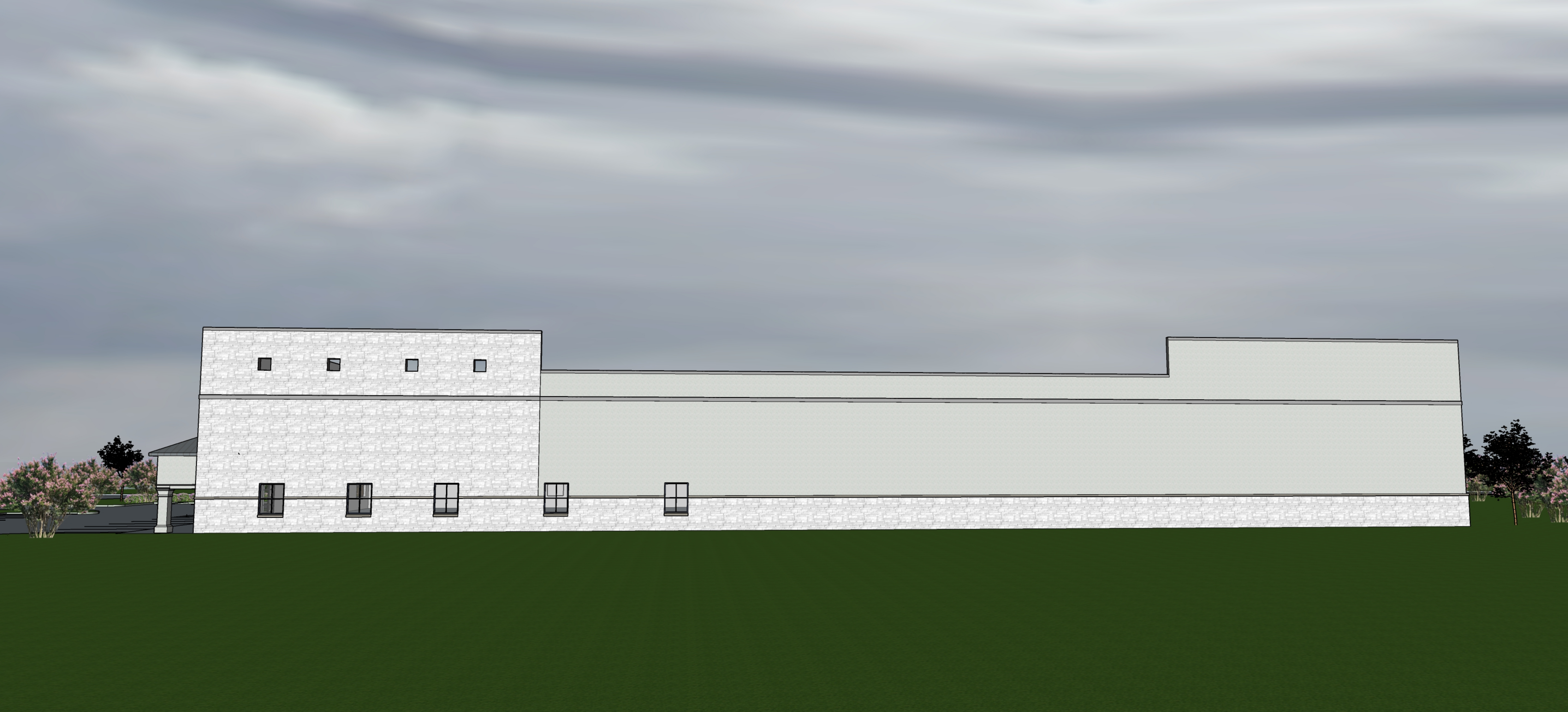
SHARP WAREHOUSE III  
ROCKWALL, TEXAS  
**EXTERIOR ELEVATIONS**

Scale: 1/8" = 1'-0"  
Date: 02/01/2021  
Project No.: 210106  
Designed: GW  
Drawn: GW  
Checked: WM

SHEET  
**A4** OF









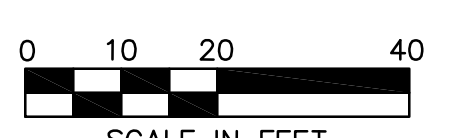
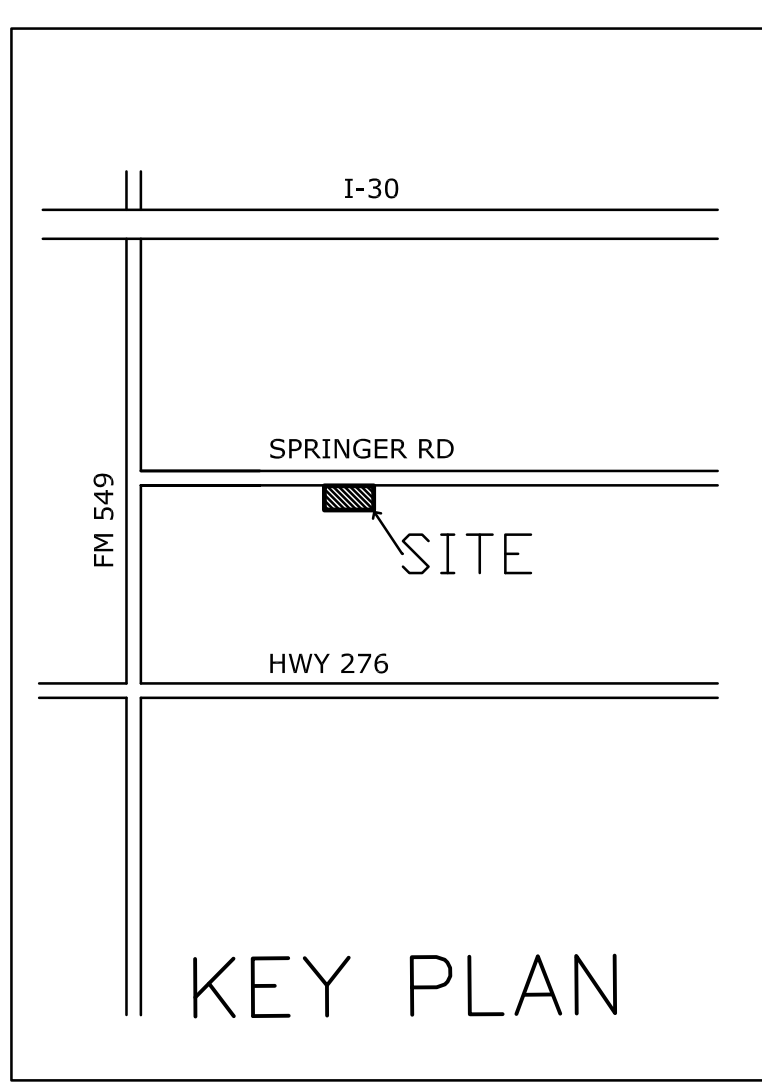
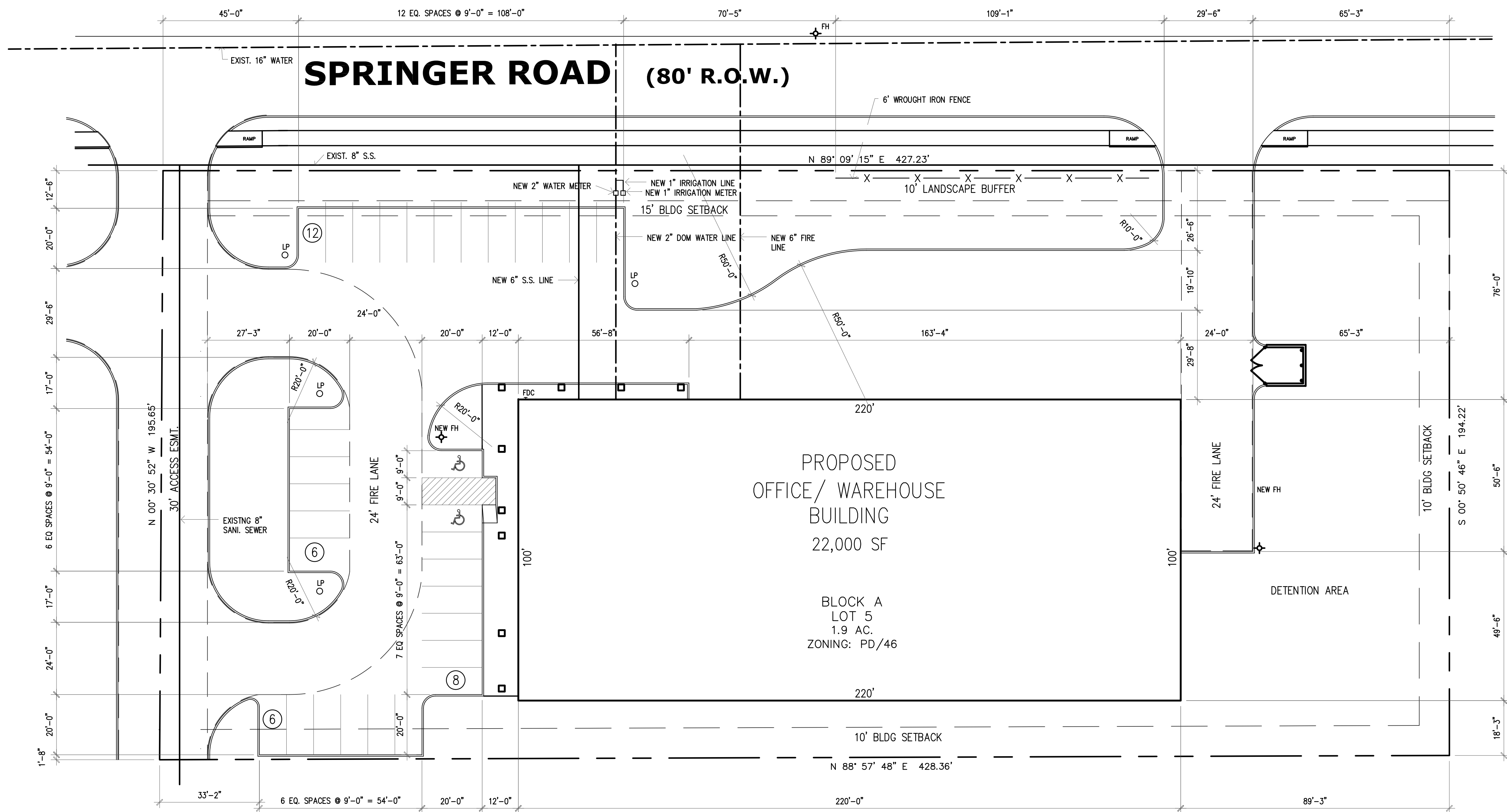








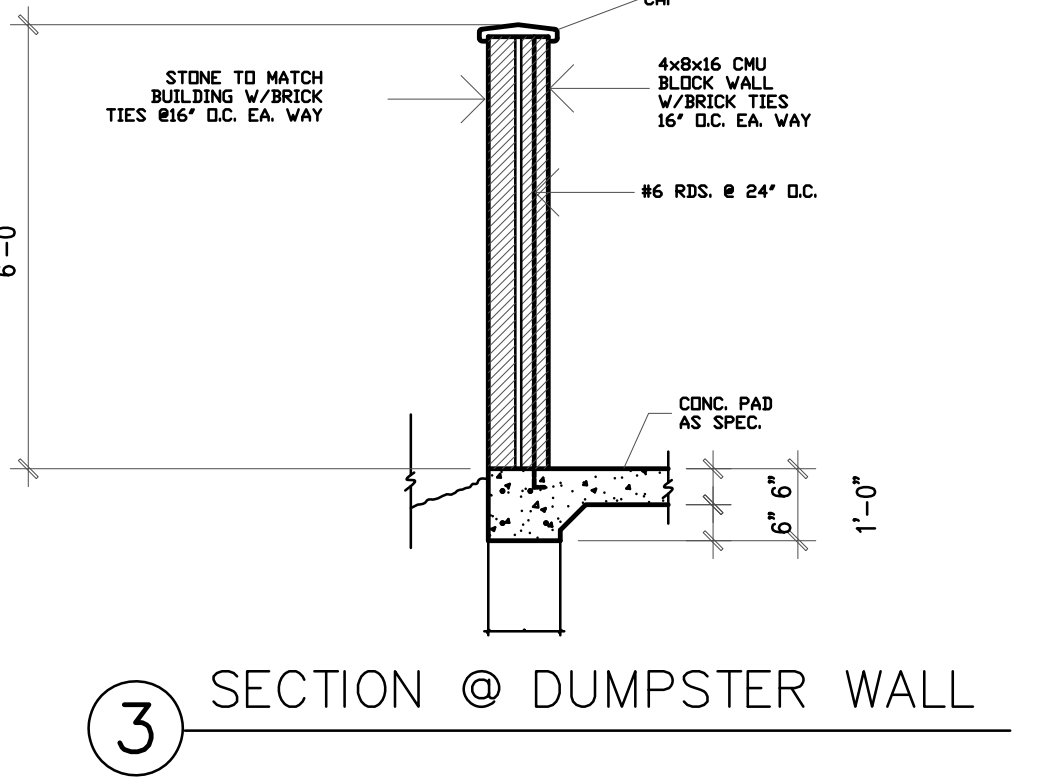
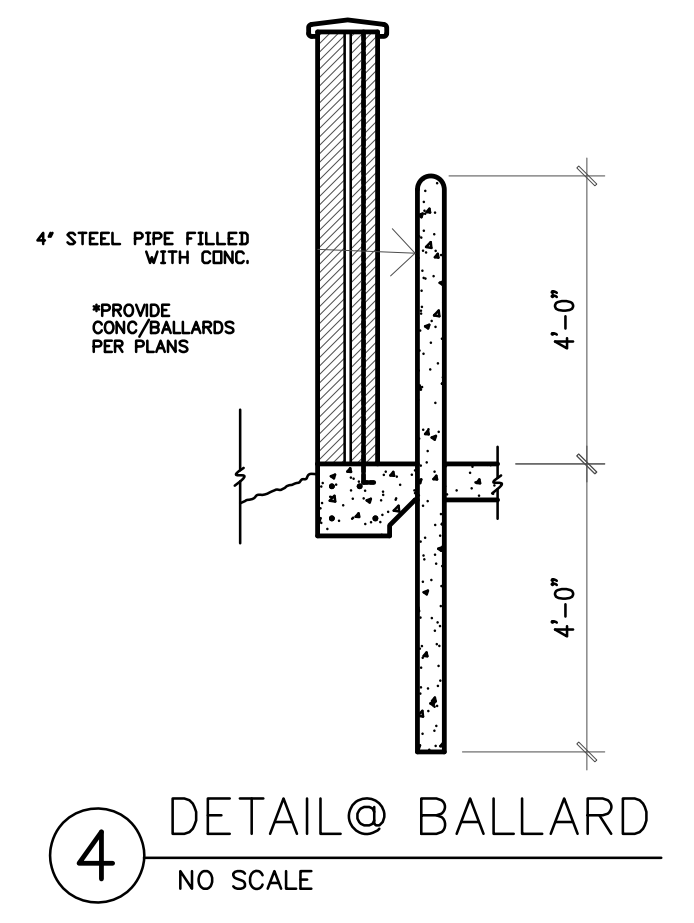
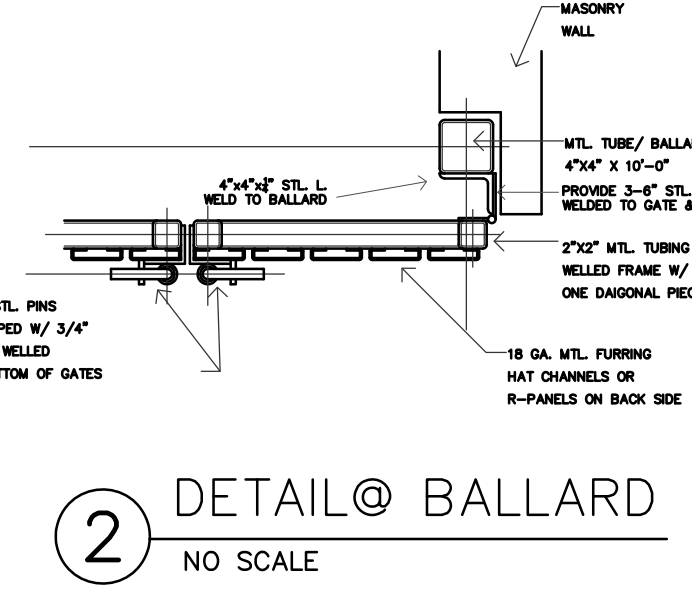
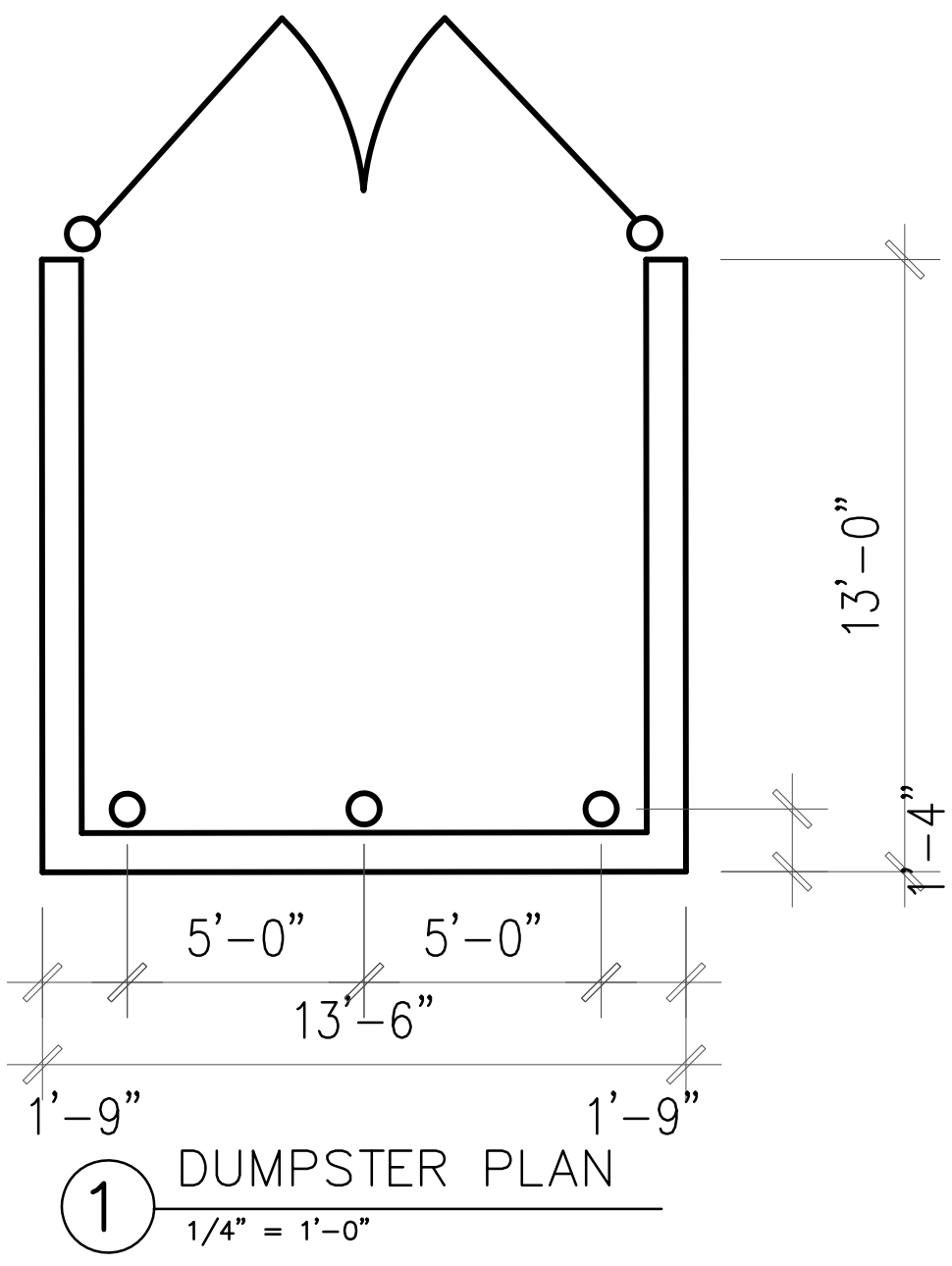
CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



NOTE: ALL DIMENSIONS ARE TO FACE OF CURB  
 ALL SIDEWALKS SHALL BE 3,000 PSI CONC  
 MIN 5.5 SACK MIX. 5' WIDE U.N.O.  
 ALL PAVING RADII ARE 4'-6" U.N.O.

**PRICING & CONSTRUCTION**  
**GENERAL NOTES:**

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO INDICATE EACH AND EVERY FITTING, OFFSET, OR OTHER APPURTENANCE NECESSARY TO COMPLETE THE SYSTEM.
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**SITE PLAN SIGNATURE BLOCK**

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 and zoning commission of the City of Rockwall on the \_\_\_\_\_, 2020.

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

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

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

OWNER  
 SHARP INSULATION  
 2578 HWY 276  
 ROCKWALL, TEXAS 75087  
 972-966-5685

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RESIDENTIAL RESTAURANTS  
 INSTITUTIONAL  
**MERSHAWN ARCHITECTS**

MEDICAL COMMERCIAL  
 CHURCHES

2313 RIDGE ROAD #103  
 ROCKWALL, TEXAS 75087  
 PHONE: 972-722-9302  
 FAX: 972-249-2051

No.	Date	Revision	By
1	10.9.19	rev per permit comments	
2	10.14.19	rev per IAS review	

SHARP WAREHOUSE III  
 ROCKWALL, TEXAS

**SITE PLAN**

Scale: 1" = 20'-0"

Date: 02/01/2021

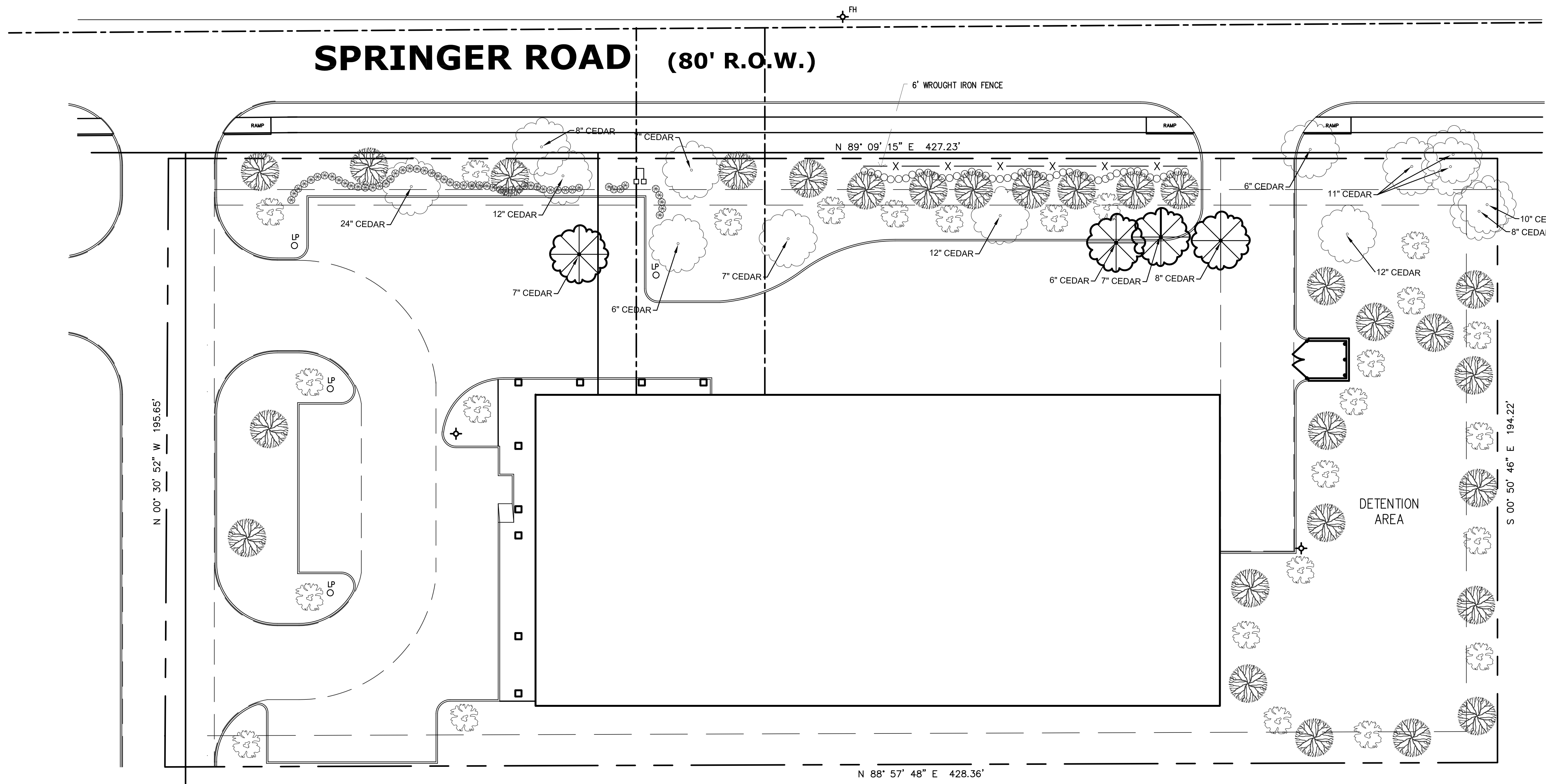
Project No.: 210106

Designed: GW

Drawn: GW

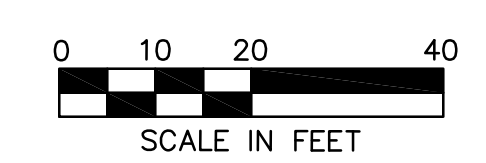
Checked: WM

SHEET **A1** OF



- THERE IS NO MITIGATION FOR THIS PROPERTY
- NON-PROTECTED TREE TO BE REMOVED (4)
  - EXISTING TREE TO REMAIN (14)
  - LIVE OAKS (28) INSTALLED WITH A MIN. 4" CALIPER
  - RED BUD (26) MIN 4" TALL
  - INDIAN HAWTHORNE (54) PLANTS SHALL BE A MINIMUM OF 5-GALLONS & SHALL CREATE A MINIMUM 30" TALL SCREEN WITHIN TWO YEARS OF PLANTING. SHALL BE PLANTED @ 36" O.C.
  - BOXWOOD BUSH (47) PLANTS SHALL BE A MINIMUM OF 5-GALLONS & SHALL CREATE A MINIMUM 2' TALL SCREEN WITHIN TWO YEARS OF PLANTING. SHALL BE PLANTED @ 36" O.C.

REFER TO MITIGATION PLAN FOR EXISTING TREES TO BE REMOVED



- LOT 5 BLOCK A - SHARP ADDITION
1. ZONING: PD46
  2. PROPOSED USE: OFFICE/DISTRIBUTION
  3. PROPERTY AREA (GROSS): 83,390 SF 1.91 AC
  4. BUILDING AREA: 22,000 SF
  5. BUILDING HEIGHT: ONE STORY - 33'-8"
  6. LOT COVERAGE: 26.3% F.A.R. = 0.263:1
  7. PARKING REQ: 26 OFFICE  $546 \frac{3}{300} = 18$  DISTRIBUTION  $16537 \frac{2}{2000} = 8$
  8. HANDICAP REQUIRED 2 ACCESSIBLE IN 25-50 SPACES 2 PROVIDED
  9. TOTAL PARKING PROVIDED: 32 SPACES
  10. TOTAL SQUARE FOOTAGE OF IMPERVIOUS SURFACE: 51,574 SF
  11. 15% LANDSCAPE REQUIRED = 12,509 SF PROVIDED 31,816 SF

NO PARKING SPACE SHALL BE MORE THAN 80' FROM A CANOPY TREE

ALL AREAS NOT SHOWN AS SPECIFIC PLANT MATERIAL SHALL BE SODDED, BERMUDA.

IN ORDER TO MEET BUDGET TREES SPECIFIED MAY NOT BE USED OTHER TREES FROM THE APPROVED CITY OF ROCKWALL PLANT LIST MAY BE SUITABLE FOR SUBSTITUTION.

REQUIRED LANDSCAPE AREAS SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. SYSTEM SHALL HAVE FREEZE GUARD AND RAINSTAT.

CONTRACTOR SHALL SUPPLY SLEEVES AS NEEDED FOR IRRIGATION.

TREES AND PLANTS SHALL BE PLANTED NO CLOSER THAN WITHIN 4' OF CURB AT PARKING SPACES AND NO CLOSER THAN 5' FROM ANY WATER, SEWER, OR STORM SEWER LINES.

ALL R.O.W. SHALL BE SODDED

**PRICING & CONSTRUCTION**  
**GENERAL NOTES:**

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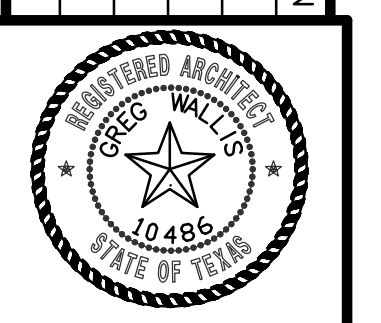
RESIDENTIAL RESTAURANTS  
INSTITUTIONAL  
**ARCHITECTS**

MEDICAL COMMERCIAL  
CHURCHES  
**MERSHAWN**

2313 RIDGE ROAD #103  
ROCKWALL, TEXAS 75087

PHONE: 972-722-9302  
FAX: 972-249-2051

No.	Date	Revision	By

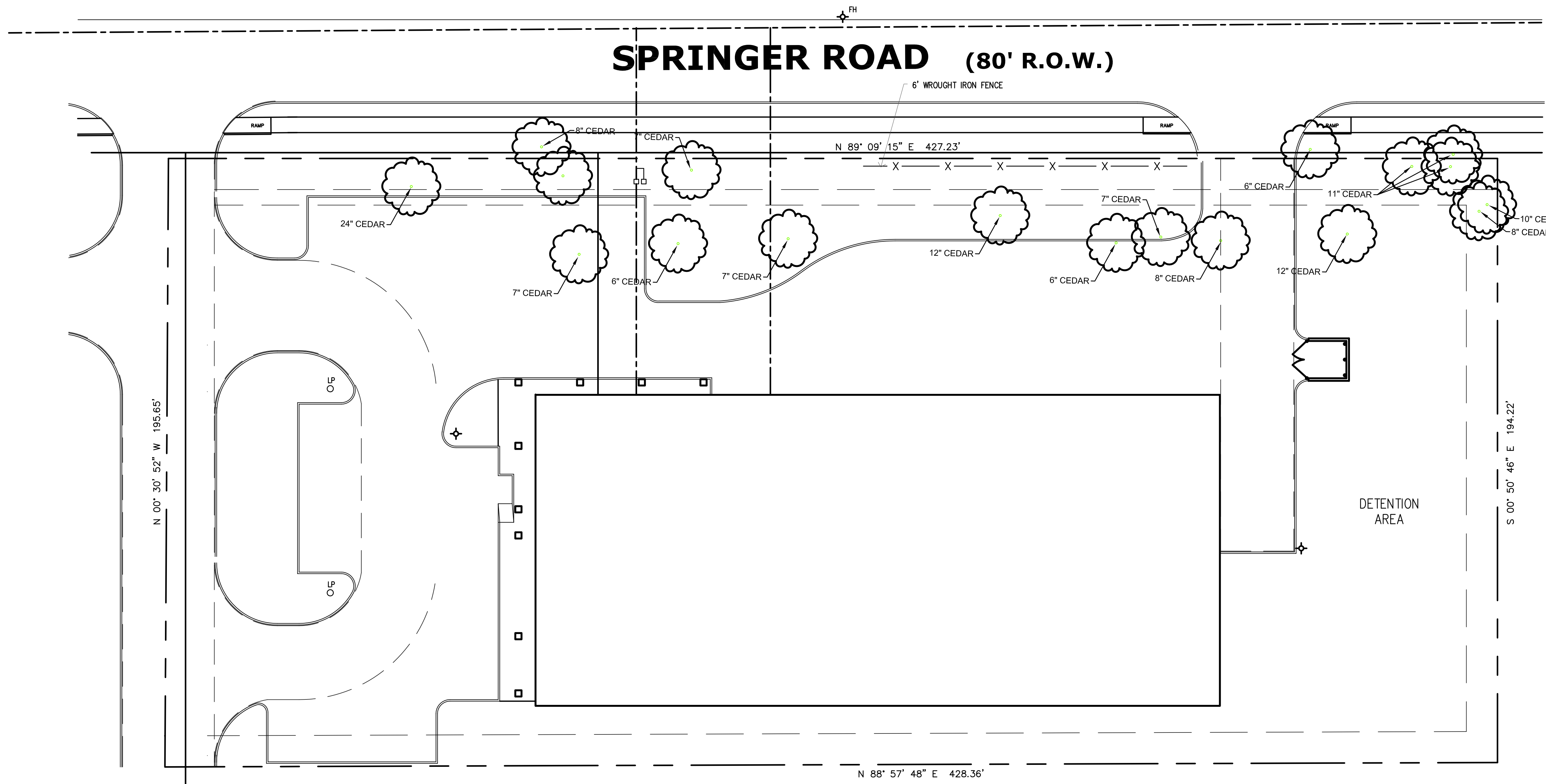


SHARP WAREHOUSE III  
ROCKWALL, TEXAS

**LANDSCAPE PLAN**

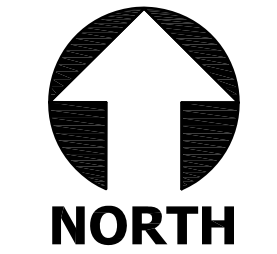
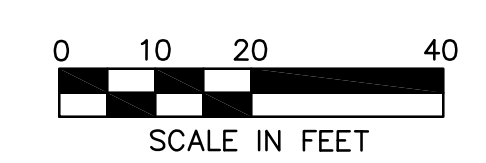
Scale:	1" = 20'-0"
Date:	02/01/2021
Project No.:	210106
Designed:	GW
Drawn:	GW
Checked:	WM





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  - RED BUD (00)  
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ALL R.O.W. SHALL BE SODDED

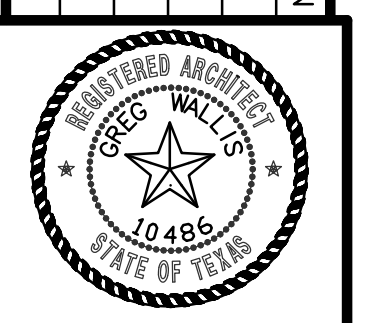
	REQUIRED	PROVIDED
1. STREET TREES 1 CANOPY PER 50' LINEAR OF R.O.W.	9	9
2. LANDSCAPE BUFFER	10'	10'
3. SCREENING OF OFF STREET PARKING	NO	NO
4. TOTAL LANDSCAPE AREA 15% REQUIRED	12,509 SF	31,816 SF

**PRICING & CONSTRUCTION**  
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RESIDENTIAL RESTAURANTS  
 INSTITUTIONAL  
**ARCHITECTS**  
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**MERSHAWN**  
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 ROCKWALL, TEXAS 75087  
 PHONE: 972-722-9302  
 FAX: 972-249-2051

No.	Date	Revision	By



**SHARP WAREHOUSE III**  
**ROCKWALL, TEXAS**  
**EXISTING TREE SURVEY**

Scale:	1" = 20'-0"
Date:	02/01/2021
Project No.:	210106
Designed:	GW
Drawn:	GW
Checked:	WM

## FEATURES & SPECIFICATIONS

**INTENDED USE** — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

**CONSTRUCTION** — **Pole Shaft:** The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .1196"), or 50 KSI (7-gauge, .1793"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

**Pole Top:** A flush non-metallic black top cap is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with PT option.

**Handhole:** A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

**Base Cover:** A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

**Anchor Base/ Bolts:** Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

**HARDWARE** — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

**FINISH** — Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

**BUY AMERICAN** — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**WARRANTY** — 1-year limited warranty. 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. Specifications subject to change without notice.

Catalog Number
Notes
Type



### Anchor Base Poles

# SSS

### SQUARE STRAIGHT STEEL





# SSS Square Straight Steel Poles

## ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDB

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness <sup>1</sup>	Mounting <sup>2</sup>	Options	Finish <sup>10</sup>	
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.)  See technical information table for complete ordering information.)	4C 4" 11g (.1196") 4G 4" 7g (.1793") 5C 5" 11g (.1196") 5G 5" 7g (.1793") 6G 6" 7g (.1793")  See technical information table for complete ordering information.)	<u>Tenon mounting</u> PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <u>KAC/KAD/KSE/KSF/KVR/KVF Drill mounting<sup>3</sup></u> DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° <u>CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting<sup>3</sup></u> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° <u>RAD drill mounting<sup>3</sup></u> DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90° <u>ESX Drill mounting<sup>3</sup></u> DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	<u>AERIS™ Suspend drill mounting<sup>3,4</sup></u> DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° <u>OMERO™ Suspend drill mounting<sup>3,4</sup></u> DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°  BAA Buy America(n) Act Compliant IC Interior coating <sup>10</sup> UL UL listed with label (Includes NEC compliant cover)  NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled)  <u>Shipped separately (replacement kit available)</u> (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	<u>Shipped installed</u> L/AB Less anchor bolts (Include when anchor bolts are not needed) VD Vibration damper TP Tamper resistant handhole cover fasteners HAxy Horizontal arm bracket (1 fixture) <sup>5,6</sup> FDLxy Festoon outlet less electrical <sup>5</sup> CPL12/xy 1/2" coupling <sup>5</sup> CPL34/xy 3/4" coupling <sup>5</sup> CPL1/xy 1" coupling <sup>5</sup> NPL12/xy 1/2" threaded nipple <sup>5</sup> NPL34/xy 3/4" threaded nipple <sup>5</sup> NPL1/xy 1" threaded nipple <sup>5</sup> EHHxy Extra handhole <sup>5,7</sup> MAEX Match existing <sup>8</sup> BAA Buy America(n) Act Compliant IC Interior coating <sup>10</sup> UL UL listed with label (Includes NEC compliant cover)  NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled)  <u>Shipped separately (replacement kit available)</u> (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	<u>Standard colors</u> DDBXD Dark bronze DWHXD White DBLXD Black DMBXD Medium bronze DNAXD Natural aluminum  <u>Classic colors</u> DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue  <u>Architectural Colors and Special Finishes<sup>11</sup></u> Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

### NOTES:

- Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20.  
The combination includes a required extra handhole.
- Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.  
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".  
Example: 5ft = 5 and 20ft 3in = 20-3  
For "y": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram below.  
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C

- Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxy. Example: HA20BD.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number of existing pole(s).
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.



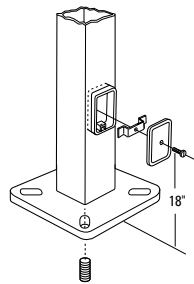
POLE-SSS

# SSS Square Straight Steel Poles

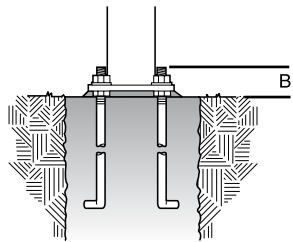
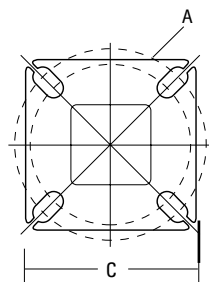
TECHNICAL INFORMATION — EPA (ft <sup>2</sup> ) with 1.3 gust													
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft <sup>2</sup> ) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8-9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8-9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8-9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8-9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8-9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8-9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8-9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10-12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10-12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8-9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8-9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10-12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10-12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8-9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10-12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10-12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11-13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10-12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11-13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11-13	1 x 36 x 4	605

\* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

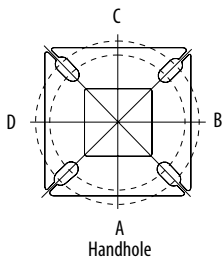
## BASE DETAIL



POLE DATA								
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" - 9"	3.25" - 3.75"	8" - 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C	3/4"x18"x3"
4"G	8" - 9"	3.38" - 3.75"	8" - 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G	3/4"x30"x3"
5"	10" - 12"	3.5" - 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5	1"x36"x4"
6"	11" - 13"	4" - 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	N/A	1"x36"x4"



## HANDHOLE ORIENTATION



Default DM19 is on side B.

## IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.



# ESX1 LED Area Luminaire

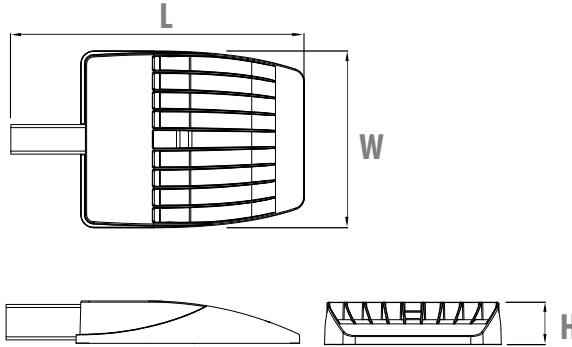


Catalog Number
Notes
Type

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

## Specifications

<b>EPA</b>	0.40 ft <sup>2</sup> (0.04 m <sup>2</sup> )
<b>Length:</b>	19.9" (50.5 cm)
<b>Width:</b>	12" (30.5 cm)
<b>Height:</b>	2.9" (7.4 cm)
<b>Weight:</b>	11.2 lbs (5.1 kg)



## Introduction

The ESX LED area luminaire provides the combination of best product, best price and best delivery. ESX is ideal for one-for-one replacement of HID area lighting and provides up to 76% energy savings, long service life and fast payback.

The ESX1 delivers 8,000 to 25,000 lumens allowing it to replace 150W to 400W HID luminaires. All ESX luminaires feature adjustable light output, providing two light levels from one product, allowing greater flexibility in the field and on distributors' shelves.

All luminaires feature a reversible arm that allows for mounting on both round and square poles. Eight configurations of ESX1 luminaires are stocked in Acuity Brands distribution centers.

## Ordering Information

HID Equivalent	Luminaire / Performance Package	High		Low		Distribution	Voltage	Catalog Number	CI Code	UPC
		Lumens	Watts	Lumens	Watts					
<b>4000K</b>										
150W to 250W	<b>ESX1 LED P2</b>	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 40K R3 MVOLT UPA BLS DDBXD M2	*269PG3	00194994838302
400W	<b>ESX1 LED P4</b>	25,000	190W	21,000	146W	Type 3	120-277V	ESX1 LED P4 40K R3 MVOLT UPA BLS DDBXD M2	*269PG8	00194994838340
							347-480V	ESX1 LED P4 40K R3 HVOLT UPA BLS DDBXD M2	*269PGC	00194994838364
						Type 5	120-277V	ESX1 LED P4 40K R5 MVOLT UPA BLS DDBXD M2	*269PGG	00194994838418
							347-480V	ESX1 LED P4 40K R5 HVOLT UPA BLS DDBXD M2	*269PGN	00194994838463
<b>5000K</b>										
150W to 250W	<b>ESX1 LED P2</b>	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 50K R3 MVOLT UPA BLS DDBXD M2	*269PGY	00194994838555
400W	<b>ESX1 LED P4</b>	25,000	190W	21,000	146W	Type 3	120-277V	ESX1 LED P4 50K R3 MVOLT UPA BLS DDBXD M2	*269PH1	00194994838531
						Type 5	120-277V	ESX1 LED P4 50K R5 MVOLT UPA BLS DDBXD M2	*269PH2	00194994838548

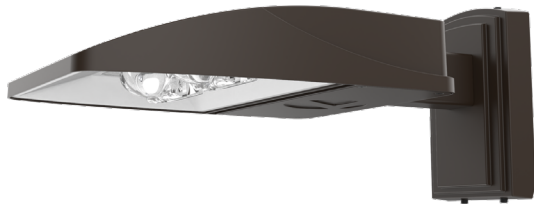
Note: Luminaire ships set on high (switchable to low). All luminaires feature adjustable light output, a reversible arm for mounting on round and square poles and dark bronze finish. The lumen output and input watts shown are nominal values. Refer to the lumens table on page 3 for specific values.

**Accessories:** Order as separate catalog number.

Catalog Number	Description	CI Code	UPC
ESXWBA DDBXD U	ESX WBA wall bracket, dark bronze finish	*27055T	00194995092826

Note: Accessories are ordered and shipped separately from the luminaire.



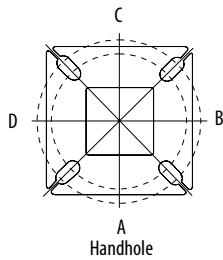


Wall Bracket (WBA)

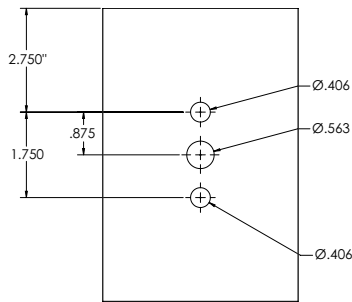
Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

HANDHOLE ORIENTATION



DRILLING TEMPLATE #20



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	ESX1 Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	UPA (round)	ASR4-5 190	ASR4-5 280	ASR4-5 290	ASR4-5 320	ASR4-5 390	ASR4-5 490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#20	Drill Nomenclature	DM19ESX	DM28ESX	DM29ESX	DM32ESX	DM39ESX	DM49ESX

Luminaire EPA

\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type									
UPA - Reversible Arm Mount	0.40	0.79	0.79	1.19	1.19	1.58	0.79	1.19	1.58



UPA - Reversible Arm Mount

The UPA reversible arm is designed to mount onto round and square poles. During installation, the flat end of the arm is placed against the flat surface on square poles. When using with round poles, the arm can be turned around so that the curved end is placed against the curvature on round poles. ESX1 can be mounted onto minimum 3.5" square and round poles.



Adjustable Light Output (ALO) technology:

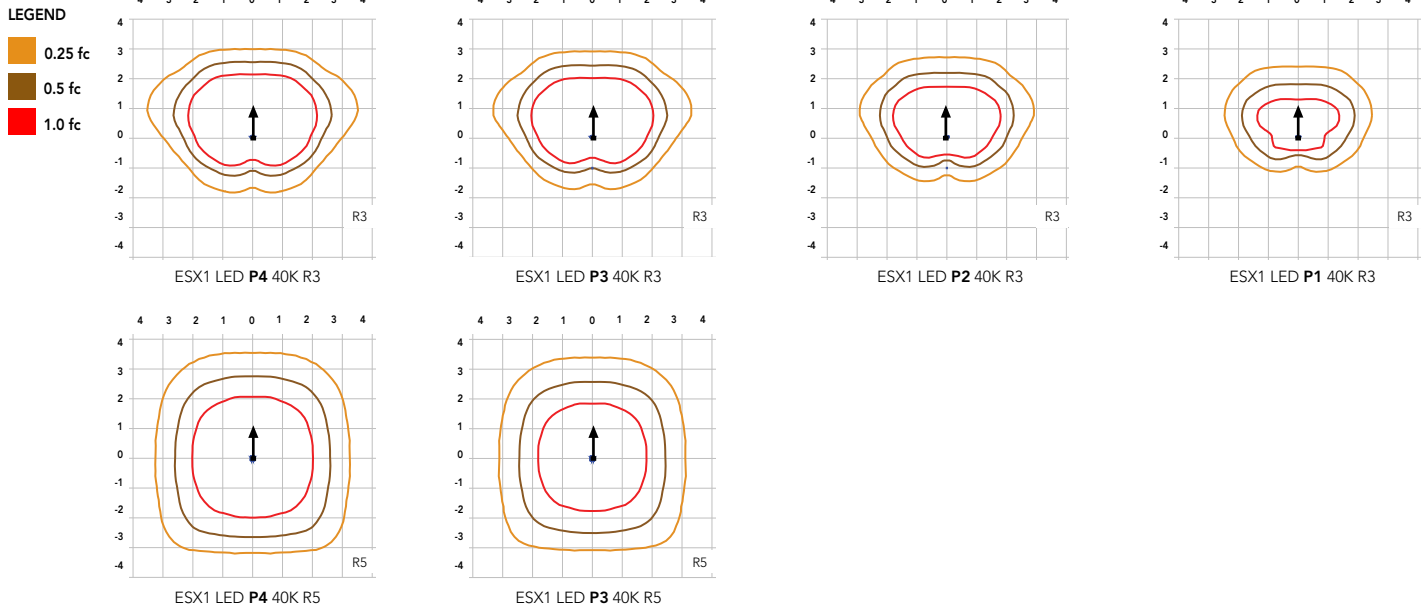
Internal bi-level switch with two light levels for greater flexibility within one product (default set to high)

	High Lumens	Low Lumens	HID Replacement
ESX1 LED P2	14,000	8,000	150W to 250W
ESX1 LED P4	25,000	21,000	400W

## Photometric Diagrams

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

Isofootcandle plots for the ESX1. Distances are in units of mounting height (25').



## 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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Series	Performance Package	System Watts	Distribution Type	40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
ESX1 LED P2	P1 (switched to low)	50W	R3	7,874	2	0	2	157	7,993	2	0	2	160
	P2	98W	R3	13,917	2	0	2	142	14,128	2	0	2	144
ESX1 LED P4	P3 (switched to low)	146W	R3	20,658	3	0	3	141	20,881	3	0	3	143
			R5	21,680	5	0	3	148	21,914	5	0	3	150
	P4	190W	R3	25,034	3	0	3	132	25,304	3	0	3	133
			R5	26,273	5	0	3	138	26,557	5	0	3	140

### Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1 (low)	50W	0.41	0.24	0.21	0.18	---	---
P2	98W	0.81	0.47	0.41	0.35	---	---
P3 (low)	146W	1.22	0.70	0.61	0.53	0.42	0.30
P4	190W	1.58	0.91	0.79	0.69	0.55	0.40

### 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 Temperature		Lumen Multiplier
0°C	32°F	1.03
5°C	41°F	1.03
10°C	50°F	1.02
15°C	59°F	1.01
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.99
40°C	104°F	0.98

### Projected LED Lumen Maintenance

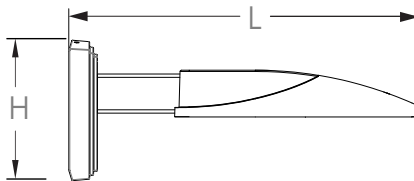
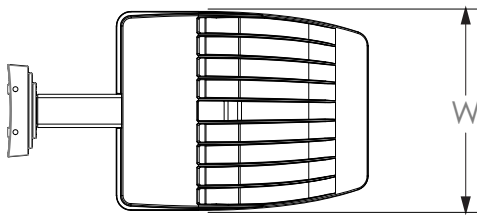
Data references the extrapolated performance projections for the platforms noted in a 25°C ambient and hours of LED testing (tested per IESNA LM-80-08 and reported per IESNA M-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the luminaire performance package below. For other lumen maintenance values, contact factory.

Performance Package	TM-21 Percent Lumen Maintenance at 60,000 hrs
P1 / P2	89%
P3	88%
P4	87%

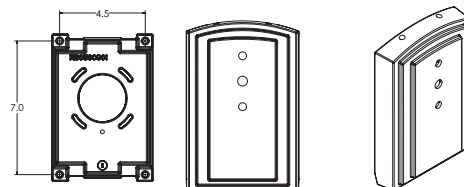
## Dimensions

### ESX1 with Wall Bracket (WBA)



- Length: 21.7" (55.1)  
Width: 12" (30.5 cm)  
Height: 2.9" (7.4 cm) Main Body  
8.9" (22.6 cm) Wall Bracket  
Weight: 14.2 lbs (6.4 kg)

### Wall Bracket (WBA) Mounting Detail



## FEATURES & SPECIFICATIONS

### INTENDED USE

The ESX1 offers a complete area lighting package providing everything needed to replace 150W to 400W HID area luminaires. Adjustable light output provides two light levels from one product, allowing greater flexibility while helping reduce inventory costs.

### CONSTRUCTION

The ESX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED efficacy and extends component life. The mounting arm is made of extruded aluminum and its universal function allows for mounting on round and square poles. The luminaires optics are IP66 rated, and sealed against moisture and environmental contaminants. The low-profile design results in a low EPA. ESX is rated for minimum 1.5 G vibration load per ANSI C136.31.

### FINISH

Exterior parts are protected by a Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. The result is a high-quality finish that is warranted not to crack or peel. The standard finish provided on the housing and mounting arm is dark bronze.

### OPTICS

Designed for one-for-one replacement of HID luminaires, acrylic refractive lenses are engineered for application efficiency, distributing the light to where it is needed most, providing greater coverage and improved back-light control. Available in distributions Type 3 and Type 5.

### ELECTRICAL

Light engines consist of high-efficacy LEDs with LED lumen maintenance greater than L87/60,000 hours. Color temperature (CCT) options of 4000K and 5000K with minimum CRI of 70 are available. Electronic drivers are 0-10V, capable of continuous dimming, and ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection. Driver input voltages available in MVOLT (120-277V) and HVOLT (347-480V).

### ADJUSTABLE LIGHT OUTPUT (ALO)

ALO allows dimming the luminaire via a switch that is accessible in the driver compartment. Luminaires ship on the high setting. Use ESX1 LED P4 at 25,000 lumens to replace 400W HID luminaires. When less light and/or more energy savings is desired, switch to low (P3) setting at 21,000 lumens. Use ESX1 LED P2 to replace 250W HID luminaires. When less light and/or more energy savings is desired, switch to low (P1) setting at 8,000 lumens or when replacing down to 150W HID.

### INSTALLATION

The ESX1 features an extruded aluminum arm that is reversible allowing it to mount on both round and square poles. ESX1 can be mounted onto minimum 3.5" square and round poles. A wall mount bracket is also available.

### LISTINGS

UL listed to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. 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.





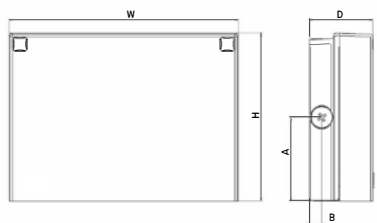
# WPX LED Wall Packs



Catalog Number
Notes
Type

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

## Specifications



Front View

Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

## Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

## Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1,550 Lumens, 11W <sup>1</sup> 30K 3000K	MVOLT 120V - 277V	(blank) None	DDBXD Dark bronze
WPX1 LED P2	2,900 Lumens, 24W 40K 4000K	347 347V <sup>3</sup>	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) <sup>2</sup>	DWHXD White
WPX2 LED	6,000 Lumens, 47W 50K 5000K		E14WC Emergency battery backup, CEC compliant (14W, -20°C min) <sup>2</sup>	DBLXD Black
WPX3 LED	9,200 Lumens, 69W		PE Photocell <sup>3</sup>	Note : For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

### NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V and PE options.

## FEATURES & SPECIFICATIONS

### INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution.

### CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

### ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection).

All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

### INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

### LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/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 only.

### WARRANTY

5-year limited warranty. Complete 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 subject to change without notice.



## Performance Data

### Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 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	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

### Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

### Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT <b>E4WH</b> DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT <b>E14WC</b> DDBXD

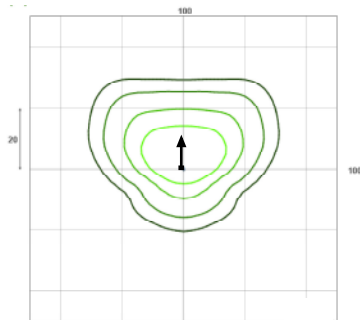
## Photometric Diagrams

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

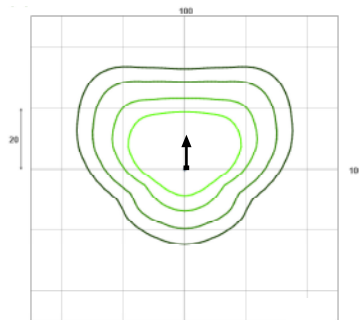
#### LEGEND

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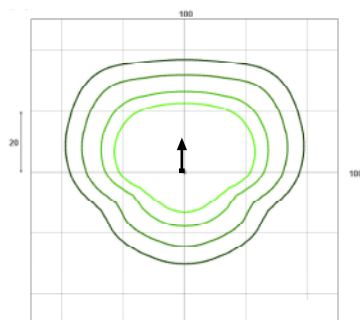
WPX1 LED P1



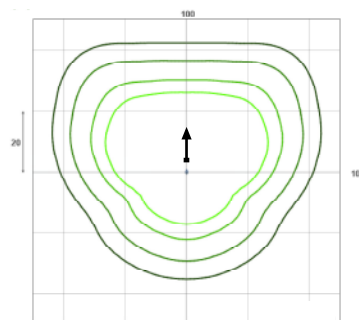
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.