PLANNING AND ZONING CASE CHECKLIST

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

P&Z CASE # SP2021-015 P&Z DATE 06/15/21 CC DATE _____ APPROVED/DENIE

ARCHITECTURAL REVIEW BOARD DATE _____ HPAB DATE _____ PARK BOARD DATE _____

ZONING APPLICATION

- ☐ SPECIFIC USE PERMIT
- ☐ ZONING CHANGE
- ☐ PD CONCEPT PLAN
- ☐ PD DEVELOPMENT PLAN

SITE PLAN APPLICATION

- ☒ SITE PLAN
- ☐ LANDSCAPE PLAN
- ☐ TREESCAPE PLAN
- ☐ PHOTOMETRIC PLAN
- ☐ BUILDING ELEVATIONS
- ☐ MATERIAL SAMPLES
- ☐ COLOR RENDERING

PLATTING APPLICATION

- ☐ MASTER PLAT
- ☐ PRELIMINARY PLAT
- ☐ FINAL PLAT
- ☐ REPLAT
- ☐ ADMINISTRATIVE/MINOR PLAT
- ☐ VACATION PLAT
- ☐ LANDSCAPE PLAN
- ☐ TREESCAPE PLAN

- ☐ COPY OF ORDINANCE (ORD.#_____)
- ☑ APPLICATIONS
- ☑ RECEIPT
- ☑ LOCATION MAP
- ☐ HOA MAP
- ☐ PON MAP
- ☐ FLU MAP
- ☐ NEWSPAPER PUBLIC NOTICE
- ☐ 500-FT. BUFFER PUBLIC NOTICE
- ☐ PROJECT REVIEW
- ☐ STAFF REPORT
- ☐ CORRESPONDENCE
- ☐ COPY-ALL PLANS REQUIRED
- ☐ COPY-MARK-UPS
- ☐ CITY COUNCIL MINUTES-LASERFICHE
- ☐ MINUTES-LASERFICHE
- ☐ PLAT FILED DATE_____
  - ☐ CABINET #_____
  - ☐ SLIDE #_____

NOTES:_____

_____

_____

_____

_____

_____

ZONING MAP UPDATED_____

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) [1]
- ☐ PRELIMINARY PLAT ($200.00 + $15.00 ACRE) [1]
- ☐ FINAL PLAT ($300.00 + $20.00 ACRE) [1]
- ☐ REPLAT ($300.00 + $20.00 ACRE) [1]
- ☐ AMENDING OR MINOR PLAT ($150.00)
- ☐ PLAT REINSTATEMENT REQUEST ($100.00)

SITE PLAN APPLICATION FEES:
- ☒ SITE PLAN ($250.00 + $20.00 ACRE) [1]
- ☐ AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN ($100.00)

ZONING APPLICATION FEES:
- ☐ ZONING CHANGE ($200.00 + $15.00 ACRE) [1]
- ☐ SPECIFIC USE PERMIT ($200.00 + $15.00 ACRE) [1]
- ☐ PD DEVELOPMENT PLANS ($200.00 + $15.00 ACRE) [1]

OTHER APPLICATION FEES:
- ☐ TREE REMOVAL ($75.00)
- ☐ VARIANCE REQUEST ($100.00)

NOTES:
[1]: 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. LOT 5 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]

☐ OWNER	KRIS SHARP	☒ APPLICANT	MERSHAWN ARCH.
CONTACT PERSON		CONTACT PERSON	GREG WALLIS
ADDRESS	2578 HWY 276	ADDRESS	1520 EAST I-30
CITY, STATE & ZIP	ROCKWALL	CITY, STATE & ZIP	ROCKWALL, TX 75087
PHONE	214-392-0689	PHONE	817-235-9253
E-MAIL	kris.sharp@sharpinsulation.com	E-MAIL	mershawnarch@gmail.com

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 *, 20* 21*. 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 *, 20* 21*.*

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

NOTARY PUBLIC STATE OF TEXAS
Holly Beadle
Notary Public, State of Texas
My Commission Expires
May 29, 2022

MY COMMISSION EXPIRES

MERSHAWN
ARCHITECTS

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

May 14, 2021,

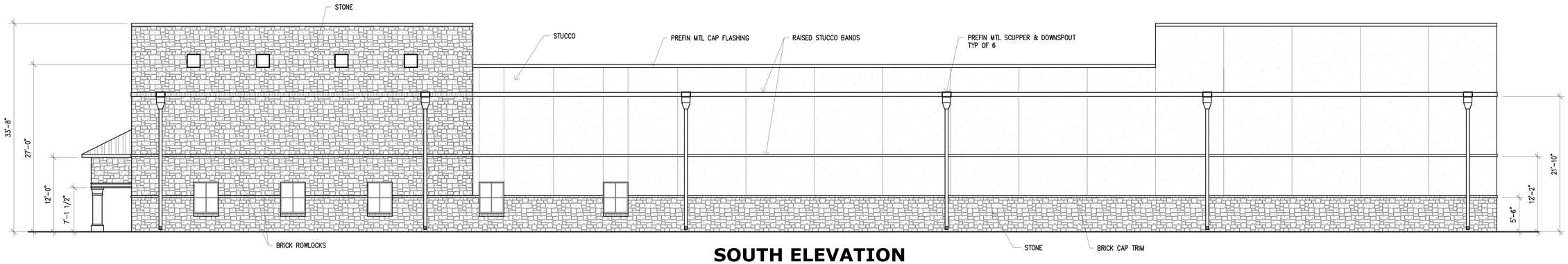
LETTER OF VARIANCE

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.

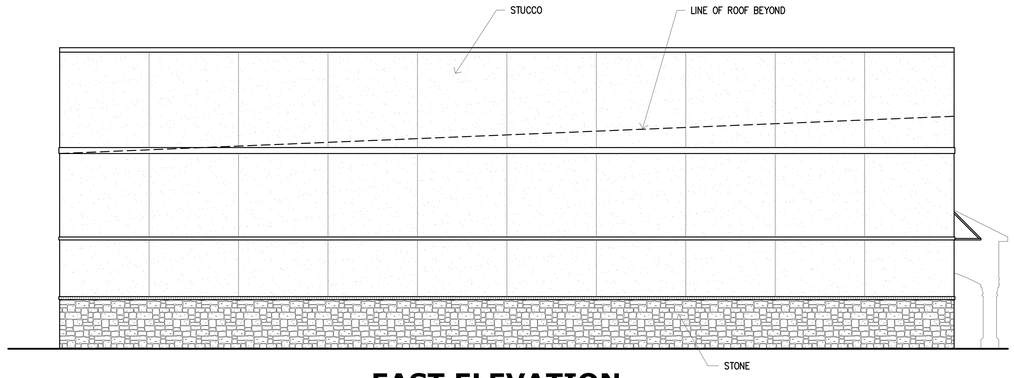
1. Increased landscaping with additional accent trees, along with additional landscape space.
2. Increased masonry and stone percentages.
3. Increased architectural elements with three additional.

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.

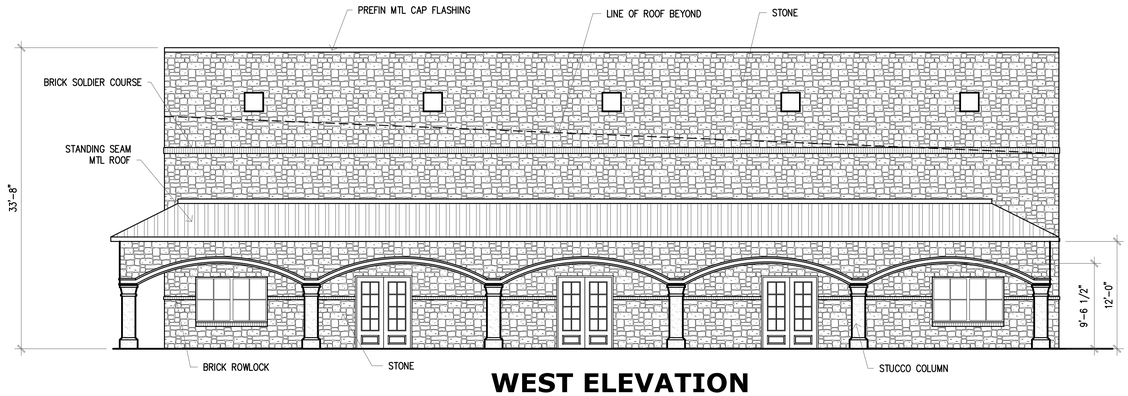
CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



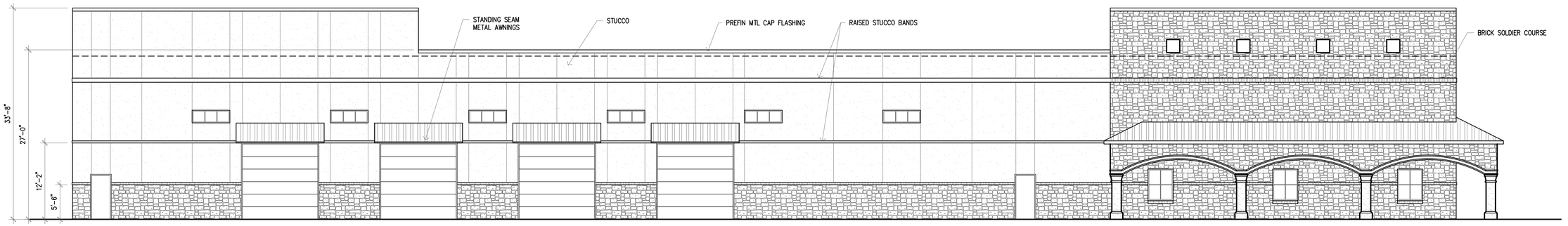
SOUTH ELEVATION
41% STONE 59% STUCCO



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

OWNER
SHARP INSULATION
3878 HWY 276
ROCKWALL, TEXAS 75032
214-390-9689

CASE #SP2021-000

PRICING & CONSTRUCTION

GENERAL NOTES:

1. 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.
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 ATTENTIONS OF THE ARCHITECT (IN WRITING) BEFORE BIDDING THIS PROJECT.
4. AFTER BIDS ARE TURNED 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.

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MERSHAWN ARCHITECTS
MEDICAL COMMERCIAL CHURCHES
RESIDENTIAL RESTAURANTS INSTITUTIONAL
1520 E. INTERSTATE 30
ROCKWALL, TEXAS 75087
PHONE: 469-745-1701

No.	Date	Revision	By

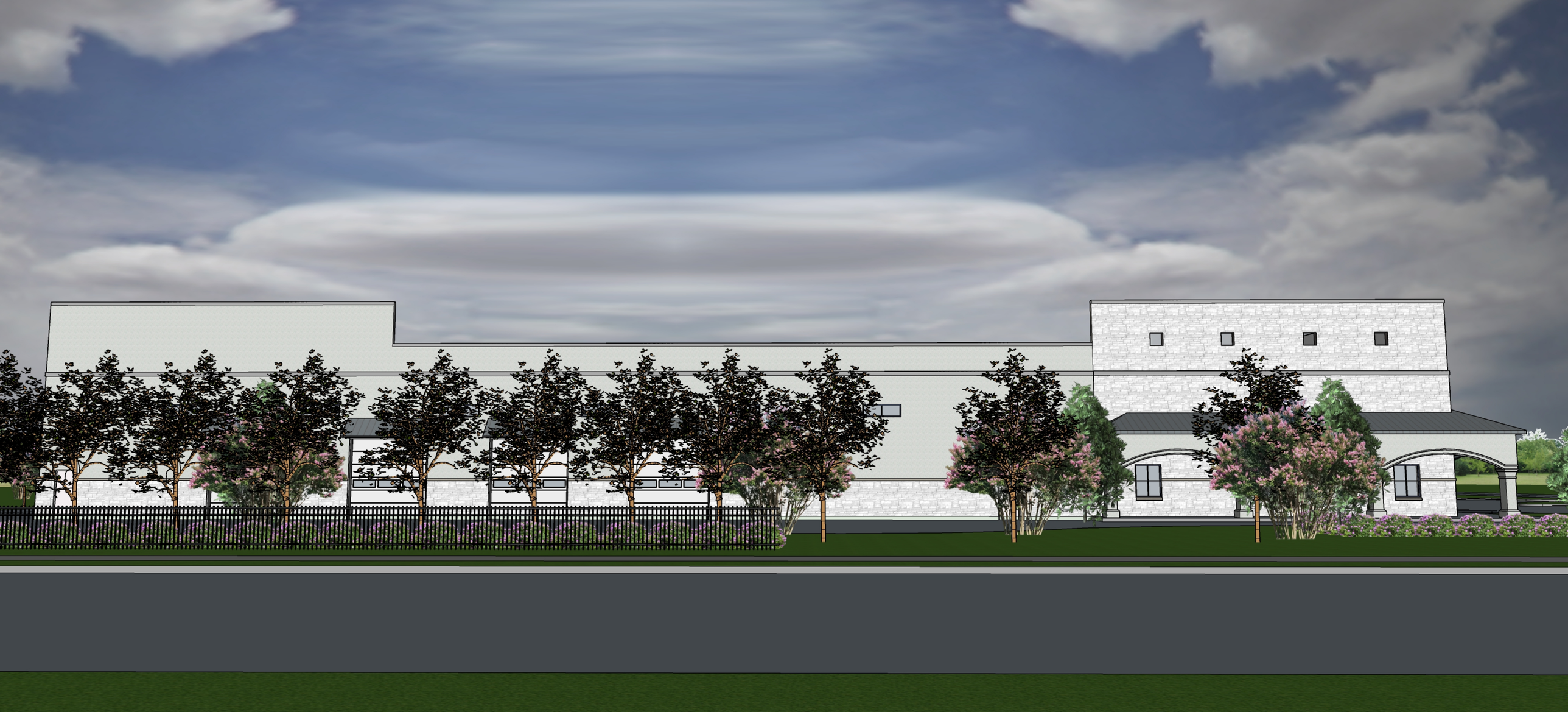
REGISTERED ARCHITECT GREG WALTOS 10486 STATE OF TEXAS

SHARP WAREHOUSE III
ROCKWALL, TEXAS

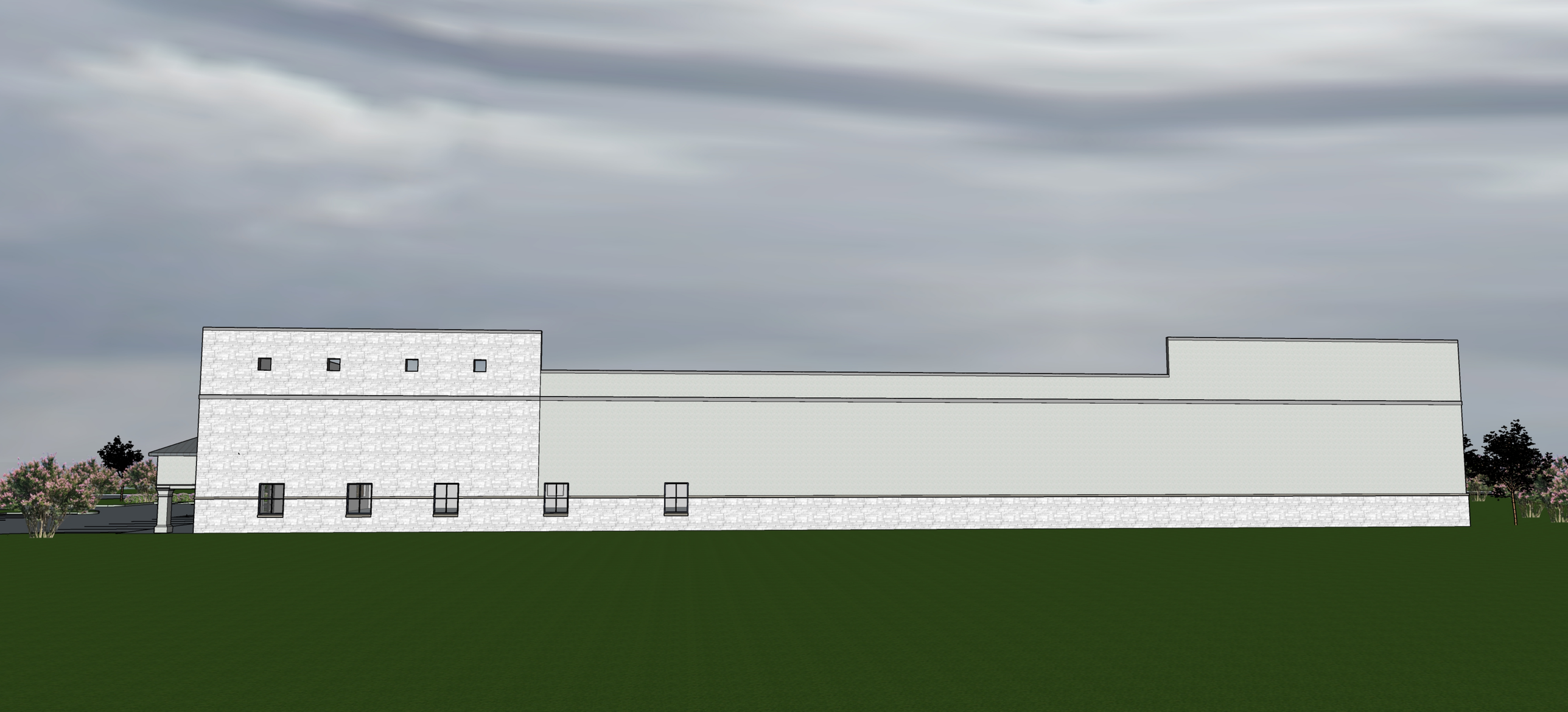
EXTERIOR ELEVATIONS

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

SHEET A4 OF







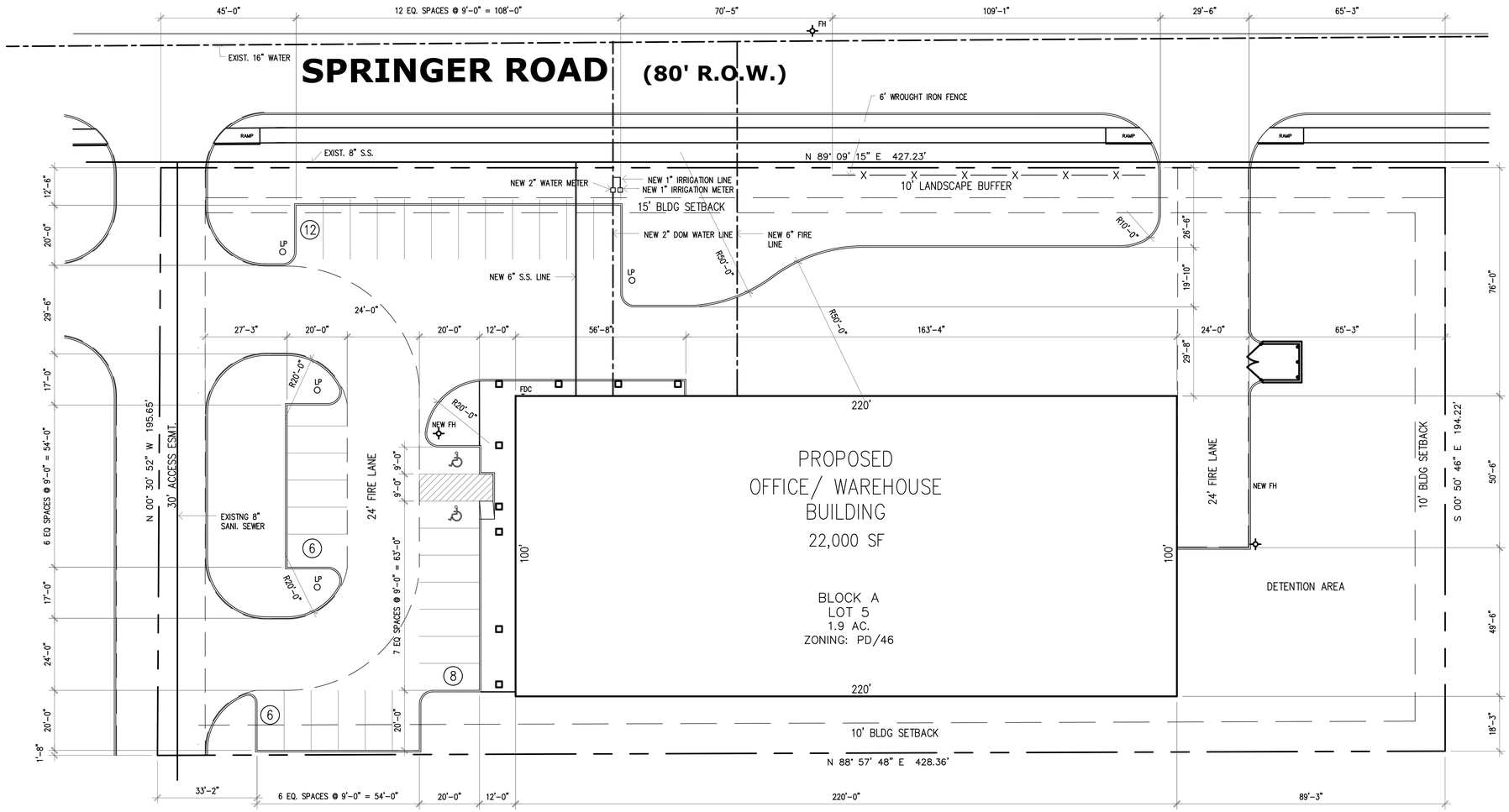






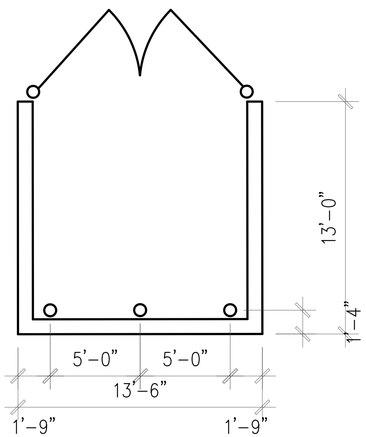


CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.

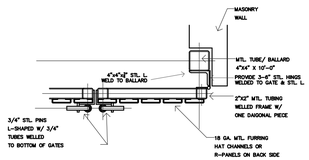


0 10 20 40
SCALE IN FEET

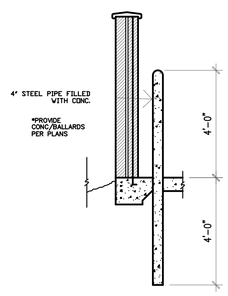
NORTH



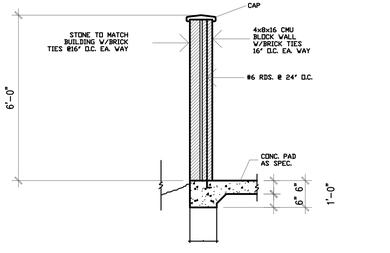
1 DUMPSTER PLAN
1/4" = 1'-0"



2 DETAIL@ BALLARD
NO SCALE



4 DETAIL@ BALLARD
NO SCALE



3 SECTION @ DUMPSTER WALL

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.

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
8578 HWY 276
ROCKWALL, TEXAS 75032
214-390-9689

CASE #SP2021-

PRICING & CONSTRUCTION GENERAL NOTES:

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MERSHAWN ARCHITECTS
RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By
1	10.3.19	rev per permit comments	
2	10.14.19	rev per TAS review	

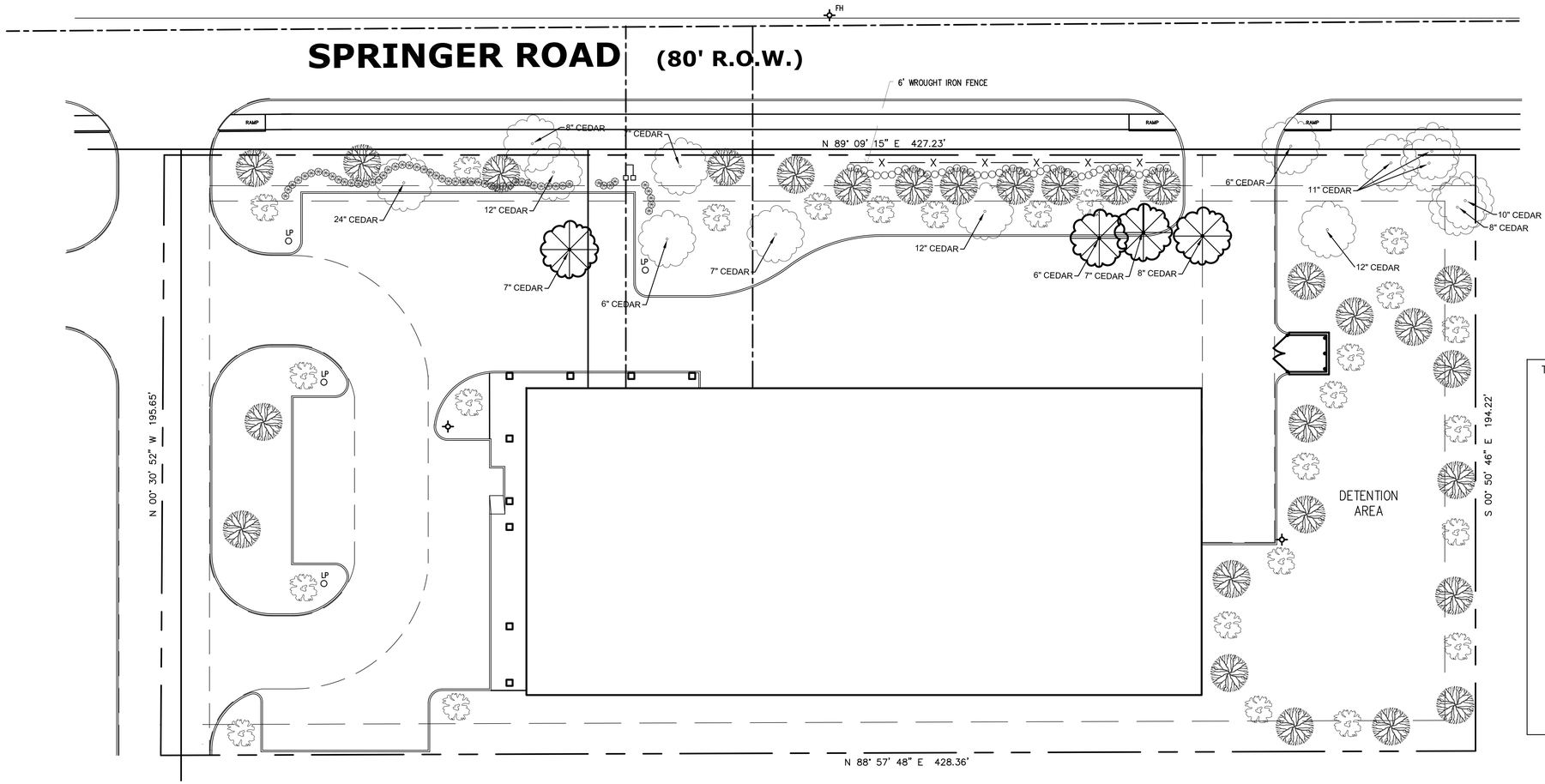
SHARP WAREHOUSE III
ROCKWALL, TEXAS

SITE PLAN

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

SHEET A1 OF

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



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 MITAGATION PLAN FOR EXISTING TREES TO BE REMOVED

0 10 20 40
SCALE IN FEET

NORTH

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 $^{5463}/_{300}$ = 18 DISTRIBUTION $^{16537}/_{2000}$ = 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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CASE #SP2021–

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RESIDENTIAL RESTAURANTS
MEDICAL COMMERCIAL INSTITUTIONAL
CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972–722–9302
FAX : 972–249–2081

No.	Date	Revision	By

REGISTERED ARCHITECT GREG WALTS 10486 STATE OF TEXAS

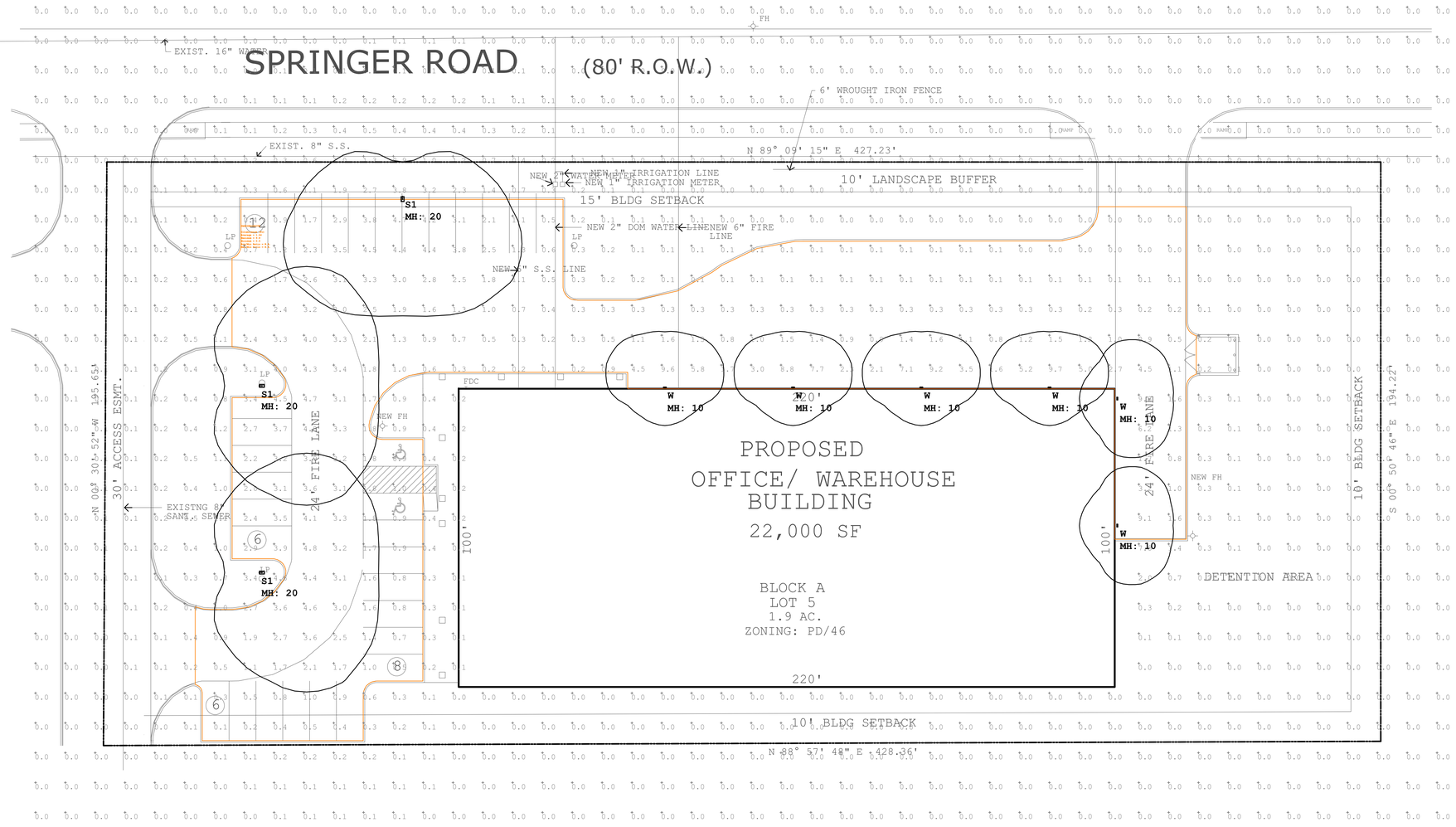
SHARP WAREHOUSE III
ROCKWALL, TEXAS

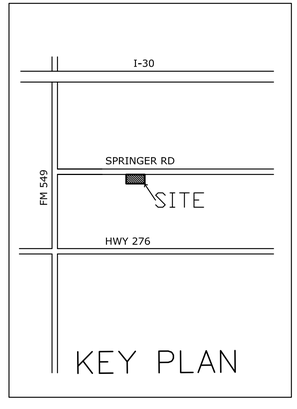
LANDSCAPE PLAN

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

SHEET L1 OF 2

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





Luminaire Schedule							
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Light Lost Factor	User Defined Factor
	S1	3	LITHONIA ESX1 LED P2 40K R3 VOLTAGE	13916	97.59	0.903	1.000
	W	6	LITHONIA WPX2 LED 40K Mvolt	5896	47.77	0.808	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
PARKING+DRIVE		Fc	1.84	9.8	0.0	N.A.

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

0 10 20 40
SCALE IN FEET

NORTH

OWNER
SHARP INSULATION
2578 HWY 276
ROCKWALL, TEXAS 75032
214-392-0689

CASE #SP2021-

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RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By

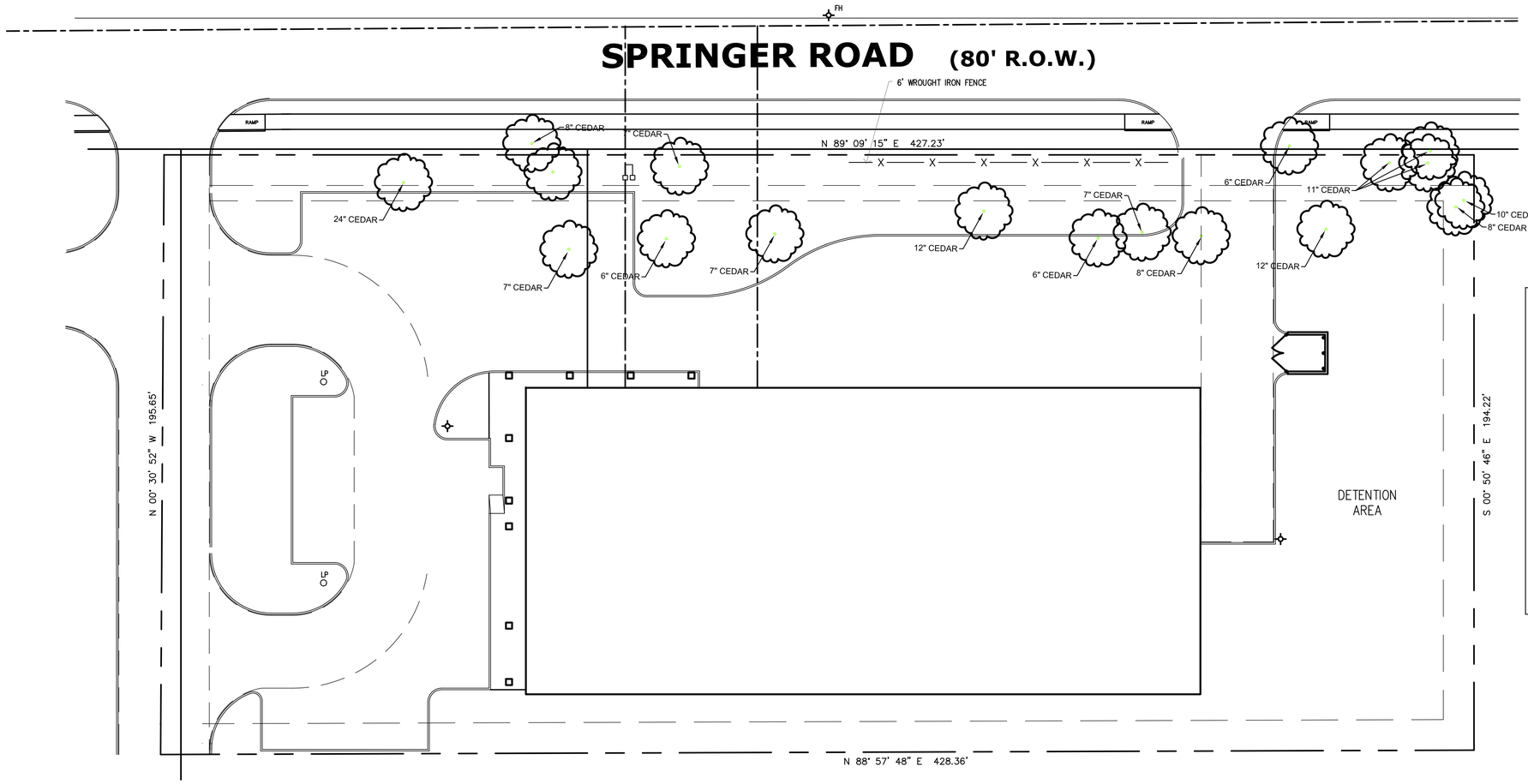
SHARP WAREHOUSE III
ROCKWALL, TEXAS

PHOTOMETRIC SITE PLAN

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

SHEET PH1 OF 1

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



THERE IS NO MITIGATION FOR THIS PROPERTY

- EXISTING TREE TO REMAIN
- LIVE OAKS (00) INSTALLED WITH A MIN. 4" CALIPER
- RED BUD (00) MIN 4' TALL
- INDIAN HAWTHORNE (00) 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 (00) 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 MITAGATION 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 $^{5463}/_{300}$ = 18 DISTRIBUTION 16,$^{537}/_{2000}$ = 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

		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

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

0 10 20 40
SCALE IN FEET

NORTH

PRICING & CONSTRUCTION GENERAL NOTES:

1. 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.
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 ATTENTIONS OF THE ARCHITECT (IN WRITING) BEFORE BIDDING THIS PROJECT.
4. AFTER BIDS ARE TURNED 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.

CASE #SP2021-000

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RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By

REGISTERED ARCHITECT GREG WATTS 10485 STATE OF TEXAS

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

SHEET L2 OF 2

LITHONIA LIGHTING®

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-metalic 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.

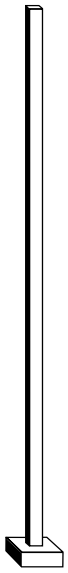
FINISH – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, 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 for additional information.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

Buy American

See footnotes next page.

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

SSS						
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[1]**	**Mounting[2]**		**Options**	**Finish[10]**
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.)	Tenon mounting 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) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] 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° CSX/DSX/RSX/AERIS™/OMERO™/ HLA/KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	AERIS™ Suspend drill mounting[3,4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting[3,4] DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed 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)[5,6] FDLxy Festoon outlet less electrical[5] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,7] MAEX Match existing[8] BAA Buy America(n) Act Compliant IC Interior coating[10] UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) Shipped separately (replacement kit available) (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	Standard colors DDBXD Dark bronze DWHXD White DBLXD Black DMBXD Medium bronze DNAXD Natural aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Architectural Colors and Special Finishes[11] Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. 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.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST**2**.
5. 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
6. 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 HAxyy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

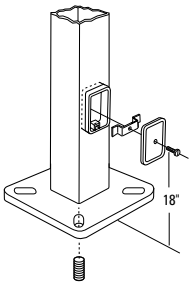
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SSS Square Straight Steel Poles

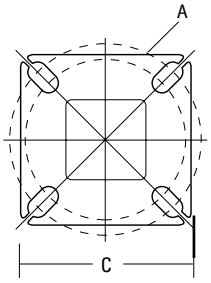
TECHNICAL INFORMATION — EPA (ft2) with 1.3 gust													
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft^2) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 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

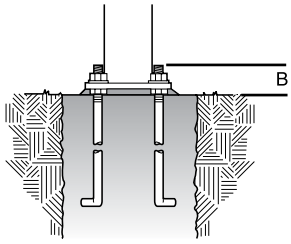
* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

BASE DETAIL

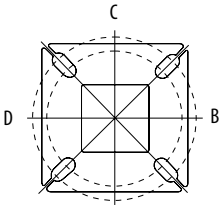


POLE DATA								
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C	3/4"x18"x3"
4"G	8" – 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



Handhole

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.

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ESX1 LED
Area Luminaire

Catalog Number

Notes

Type

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

Specifications

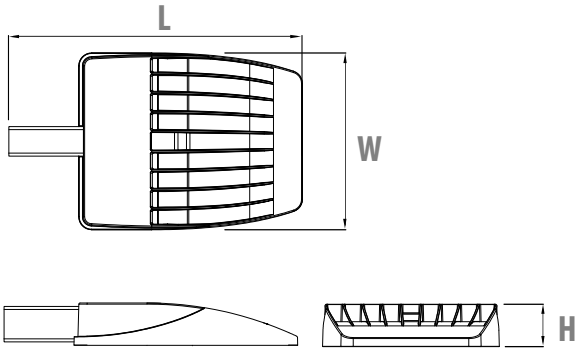
EPA 0.40 ft² (0.04 m²)

Length: 19.9" (50.5 cm)

Width: 12" (30.5 cm)

Height: 2.9" (7.4 cm)

Weight: 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					
4000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 40K R3 MVOLT UPA BLS DDBXD M2	*269PG3	00194994838302
400W	**ESX1 LED P4**	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
5000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 50K R3 MVOLT UPA BLS DDBXD M2	*269PGY	00194994838555
400W	**ESX1 LED P4**	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.

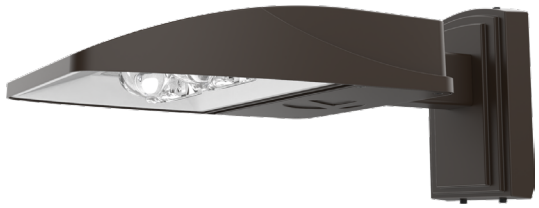
Accessories: *Order as separate catalog number.*

Catalog Number	Description	CI Code	UPC
ESXWBA DDBXD U	ESX WBA wall bracket, dark bronze finish	*270S5T	00194995092826

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

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.acuitybrands.com
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Accessories

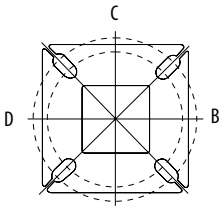


Wall Bracket (WBA)

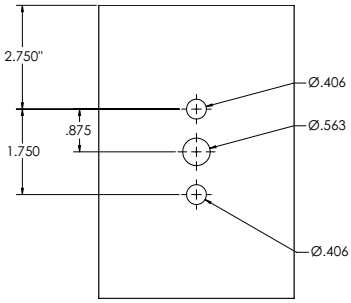
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters 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

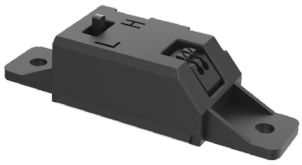
Drill/Side Location by Configuration Type

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



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

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.

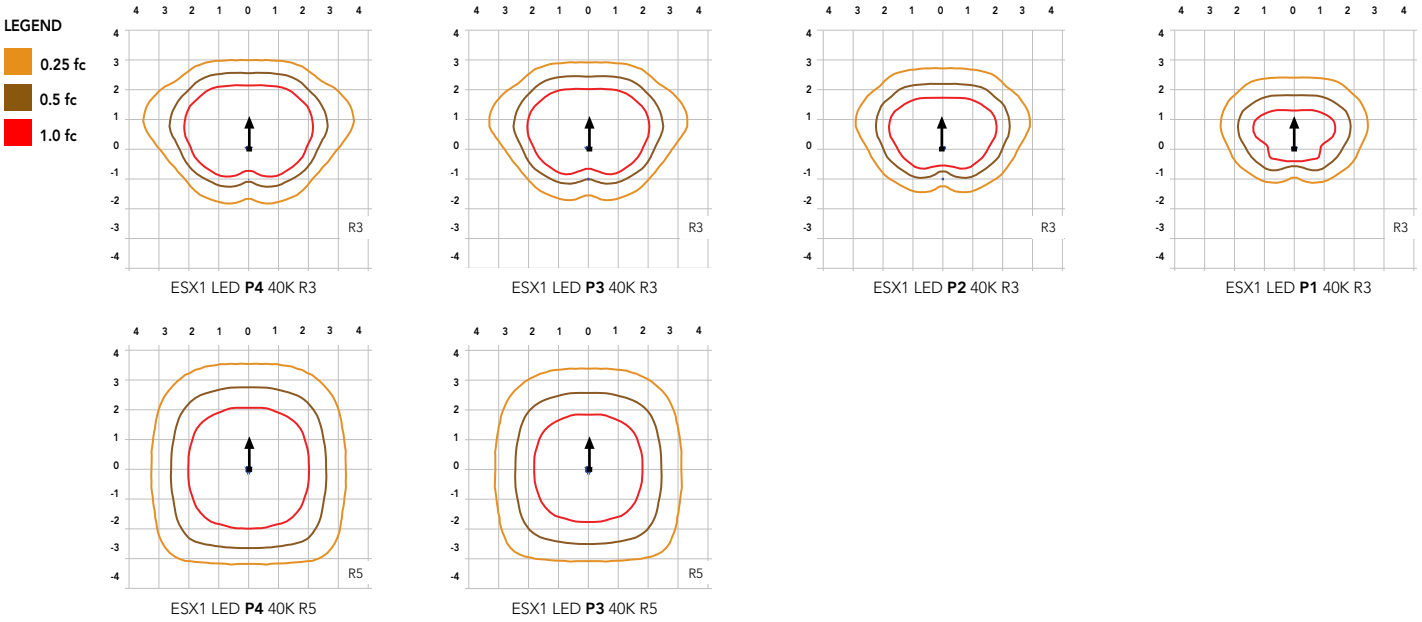


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Photometric Diagrams

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').



ESX1 LED **P4** 40K R3

ESX1 LED **P3** 40K R3

ESX1 LED **P2** 40K R3

ESX1 LED **P1** 40K R3

ESX1 LED **P4** 40K R5

ESX1 LED **P3** 40K R5

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

		Current (A)					
Performance Package	System Watts (W)	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).

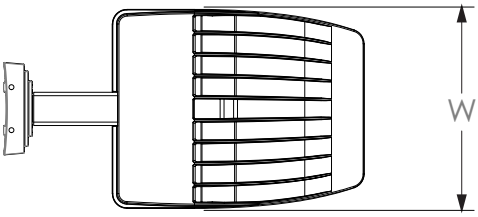
To calculate LLF, use the lumen maintenance factor that corresponds to the luminaire performance package below. For other lumen maintenance values, contact factory.

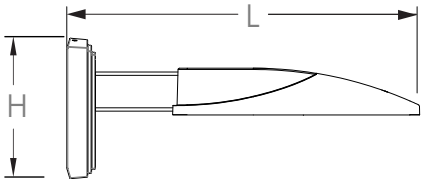
Performace Package	TM-21 Percent Lumen Maintenance at 60,000 hrs
P1 / P2	89%
P3	88%
P4	87%

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Dimensions

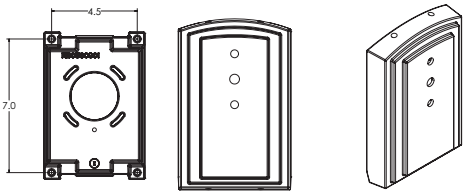
ESX1 with Wall Bracket (WBA)





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 warrantied 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 to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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

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WPX LED
Wall Packs

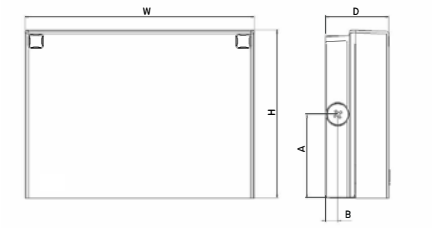
Catalog Number

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 [1]	30K	3000K	MVOLT	120V - 277V	(blank)	None	DDBXD	Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K	4000K	347	347V [3]	E4WH	Emergency battery backup, CEC compliant (4W, 0°C min) [2]	DWHXD	White
WPX2 LED	6,000 Lumens, 47W	50K	5000K			E14WC	Emergency battery backup, CEC compliant (14W, -20°C min) [2]	DBLXD	Black
WPX3 LED	9,200 Lumens, 69W					PE	Photocell [3]	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

1. 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
2. Battery pack options only available on WPX1 and WPX2.
3. 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 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.

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.

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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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

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

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

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 **E4WH** DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT **E14WC** DDBXD

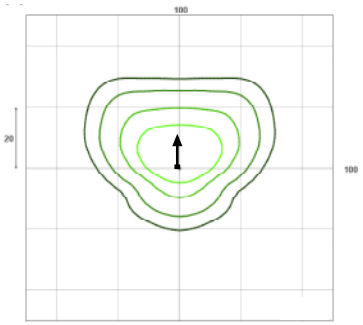
Photometric Diagrams

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

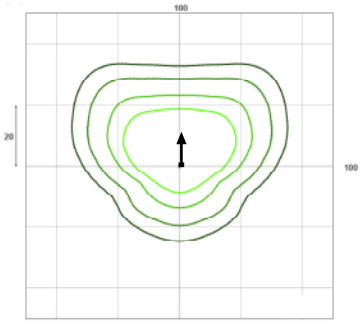
LEGEND

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

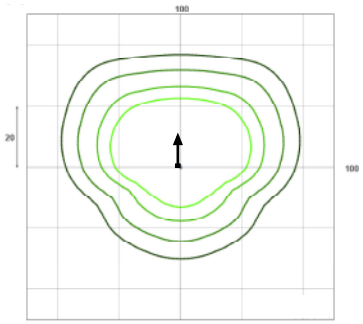
WPX1 LED P1



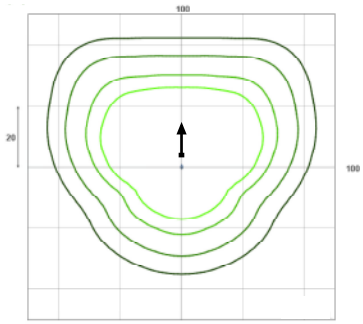
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

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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) [1]
- ☐ PRELIMINARY PLAT ($200.00 + $15.00 ACRE) [1]
- ☐ FINAL PLAT ($300.00 + $20.00 ACRE) [1]
- ☐ REPLAT ($300.00 + $20.00 ACRE) [1]
- ☐ AMENDING OR MINOR PLAT ($150.00)
- ☐ PLAT REINSTATEMENT REQUEST ($100.00)

SITE PLAN APPLICATION FEES:
- ☒ SITE PLAN ($250.00 + $20.00 ACRE) [1]
- ☐ AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN ($100.00)

ZONING APPLICATION FEES:
- ☐ ZONING CHANGE ($200.00 + $15.00 ACRE) [1]
- ☐ SPECIFIC USE PERMIT ($200.00 + $15.00 ACRE) [1]
- ☐ PD DEVELOPMENT PLANS ($200.00 + $15.00 ACRE) [1]

OTHER APPLICATION FEES:
- ☐ TREE REMOVAL ($75.00)
- ☐ VARIANCE REQUEST ($100.00)

NOTES:
[1]: 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. LOT 5 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]

☐ OWNER	KRIS SHARP	☒ APPLICANT	MERSHAWN ARCH.
CONTACT PERSON		CONTACT PERSON	GREG WALLIS
ADDRESS	2578 HWY 276	ADDRESS	1520 EAST I-30
CITY, STATE & ZIP	ROCKWALL	CITY, STATE & ZIP	ROCKWALL, TX 75087
PHONE	214-392-0689	PHONE	817-235-9253
E-MAIL	kris.sharp@sharpinsulation.com	E-MAIL	mershawnarch@gmail.com

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 *, 20* 21*. 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 *, 20* 21*.*

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

NOTARY PUBLIC STATE OF TEXAS
Holly Beadle
Notary Public, State of Texas
My Commission Expires
May 29, 2022

MY COMMISSION EXPIRES



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.

MERSHAWN
ARCHITECTS

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

May 14, 2021,

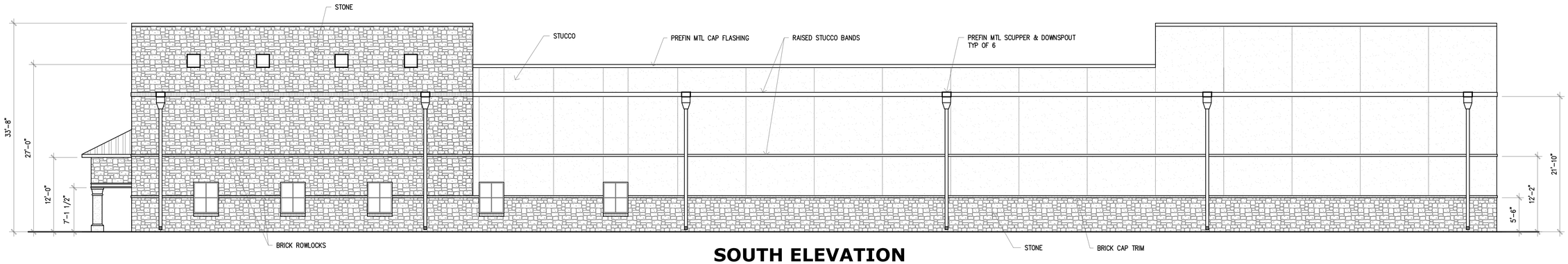
LETTER OF VARIANCE

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.

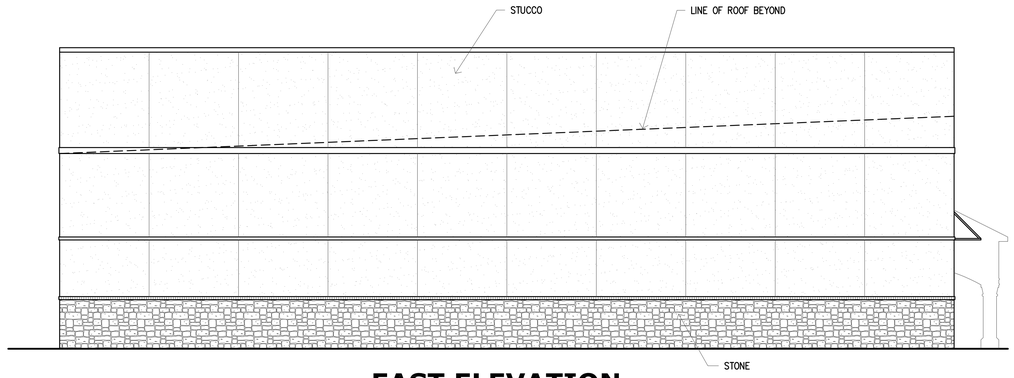
1. Increased landscaping with additional accent trees, along with additional landscape space.
2. Increased masonry and stone percentages.
3. Increased architectural elements with three additional.

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.

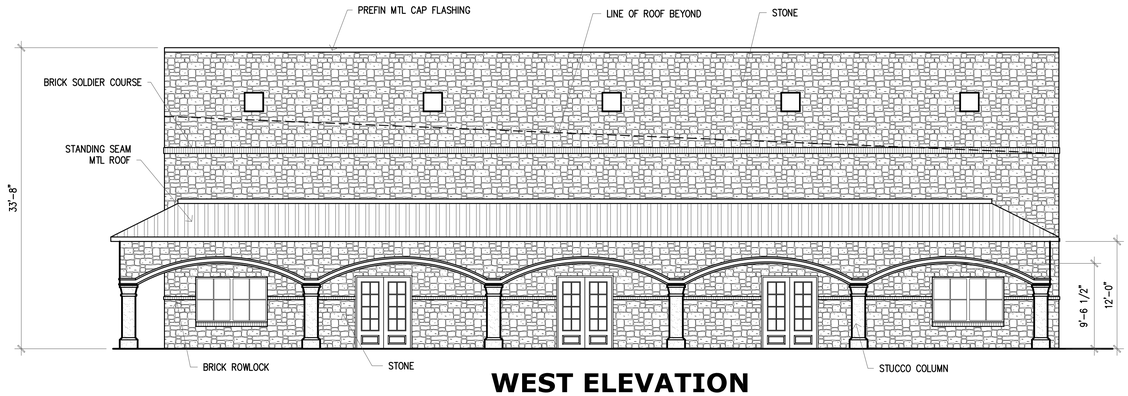
CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



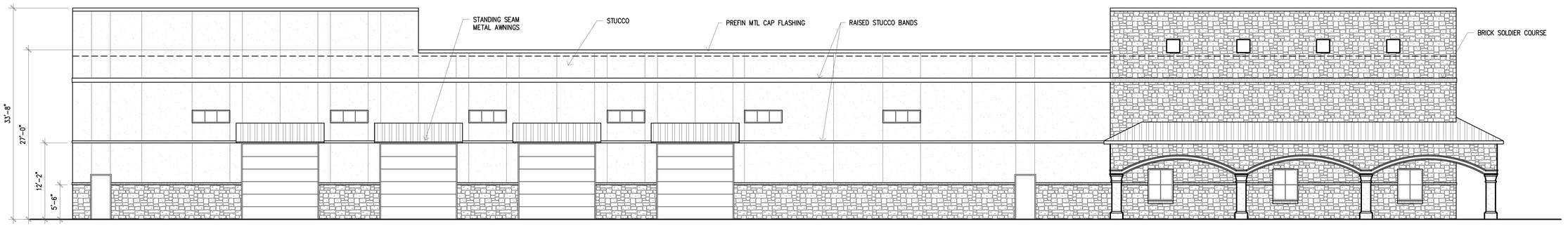
SOUTH ELEVATION
41% STONE 59% STUCCO



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

OWNER
SHARP INSULATION
3878 HWY 276
ROCKWALL, TEXAS 75032
214-390-9689

CASE #SP2021-000

PRICING & CONSTRUCTION

GENERAL NOTES:

1. 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.
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 ATTENTIONS OF THE ARCHITECT (IN WRITING) BEFORE BIDDING THIS PROJECT.
4. AFTER BIDS ARE TURNED 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.

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MERSHAWN ARCHITECTS
MEDICAL COMMERCIAL CHURCHES
RESIDENTIAL RESTAURANTS INSTITUTIONAL
1520 E. INTERSTATE 30
ROCKWALL, TEXAS 75087
PHONE: 469-745-1701

No.	Date	Revision	By

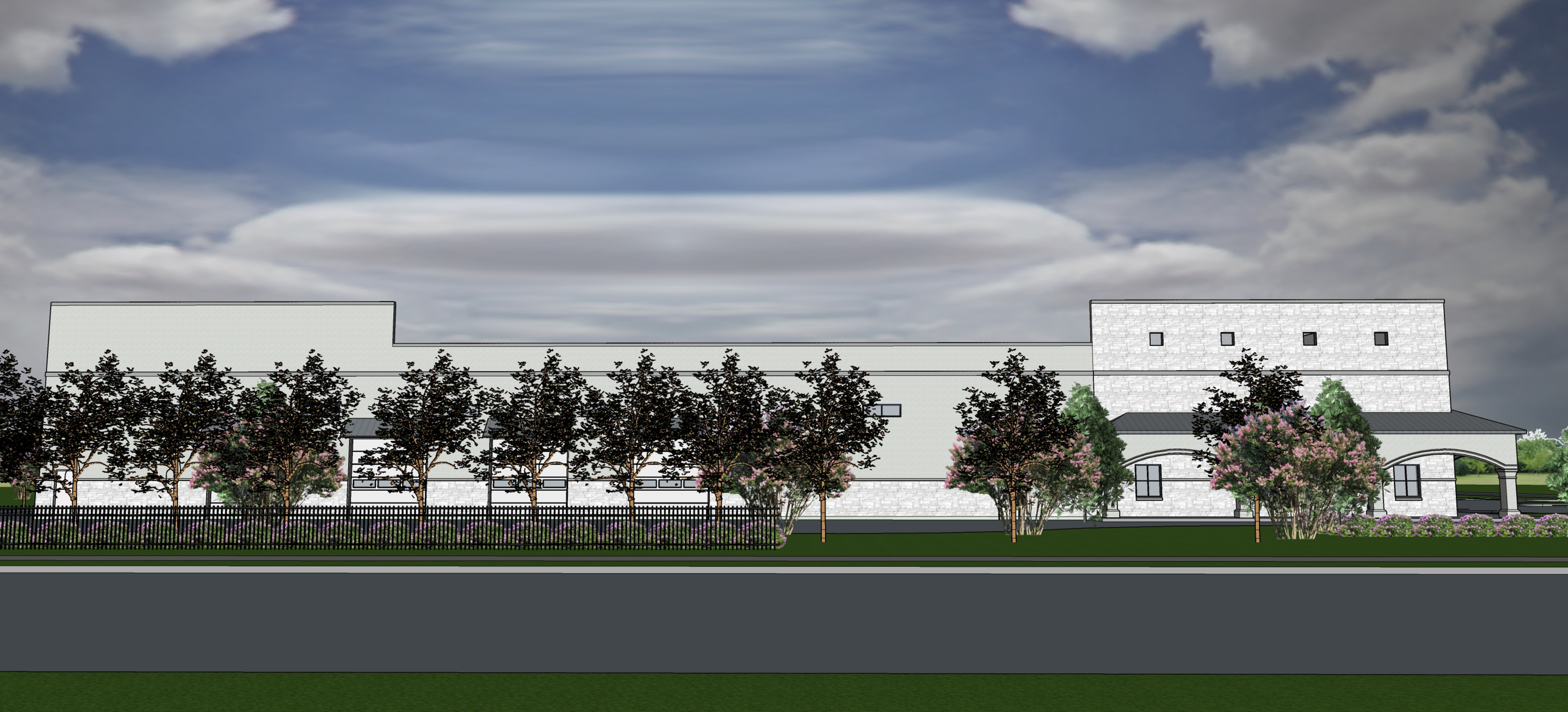
REGISTERED ARCHITECT GREG WALTOS 10486 STATE OF TEXAS

SHARP WAREHOUSE III
ROCKWALL, TEXAS

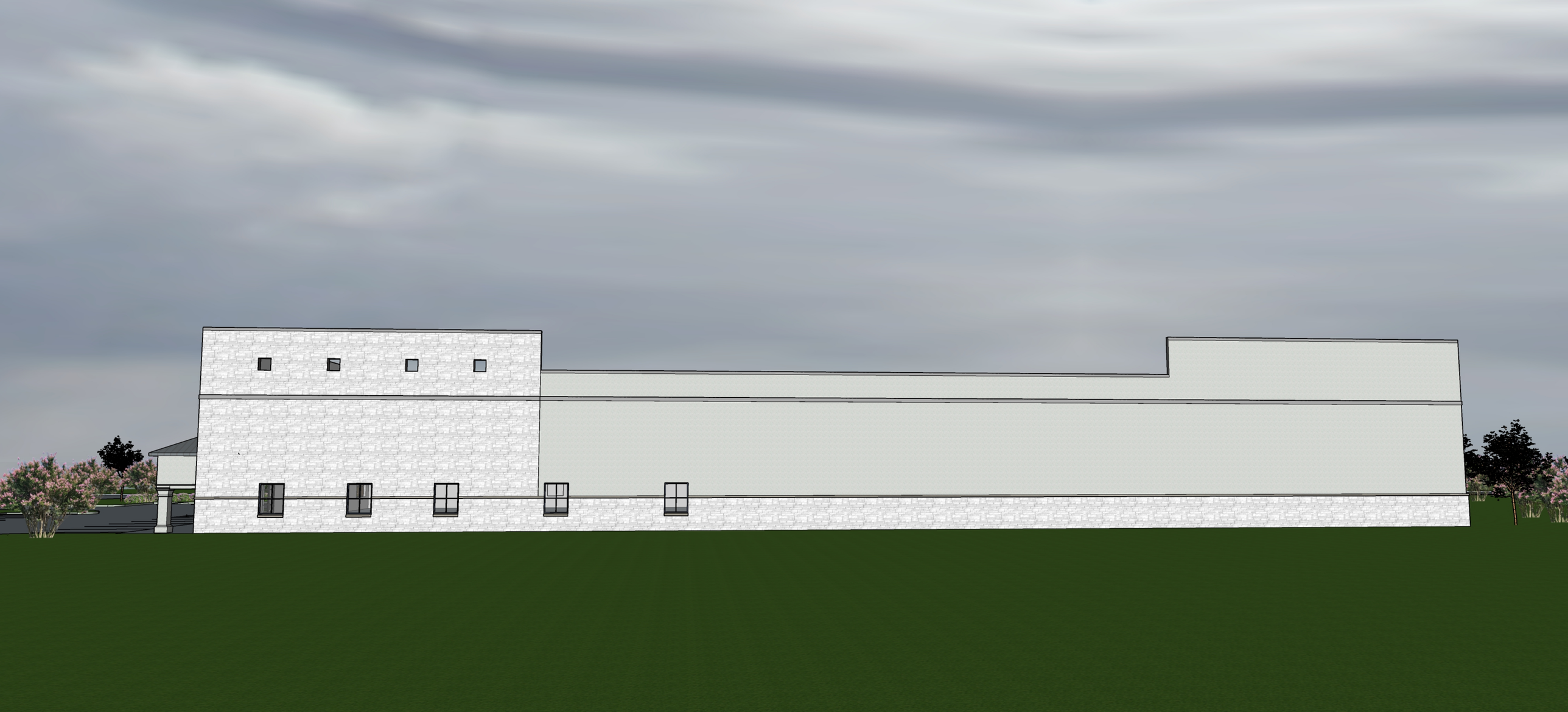
EXTERIOR ELEVATIONS

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

SHEET A4 OF







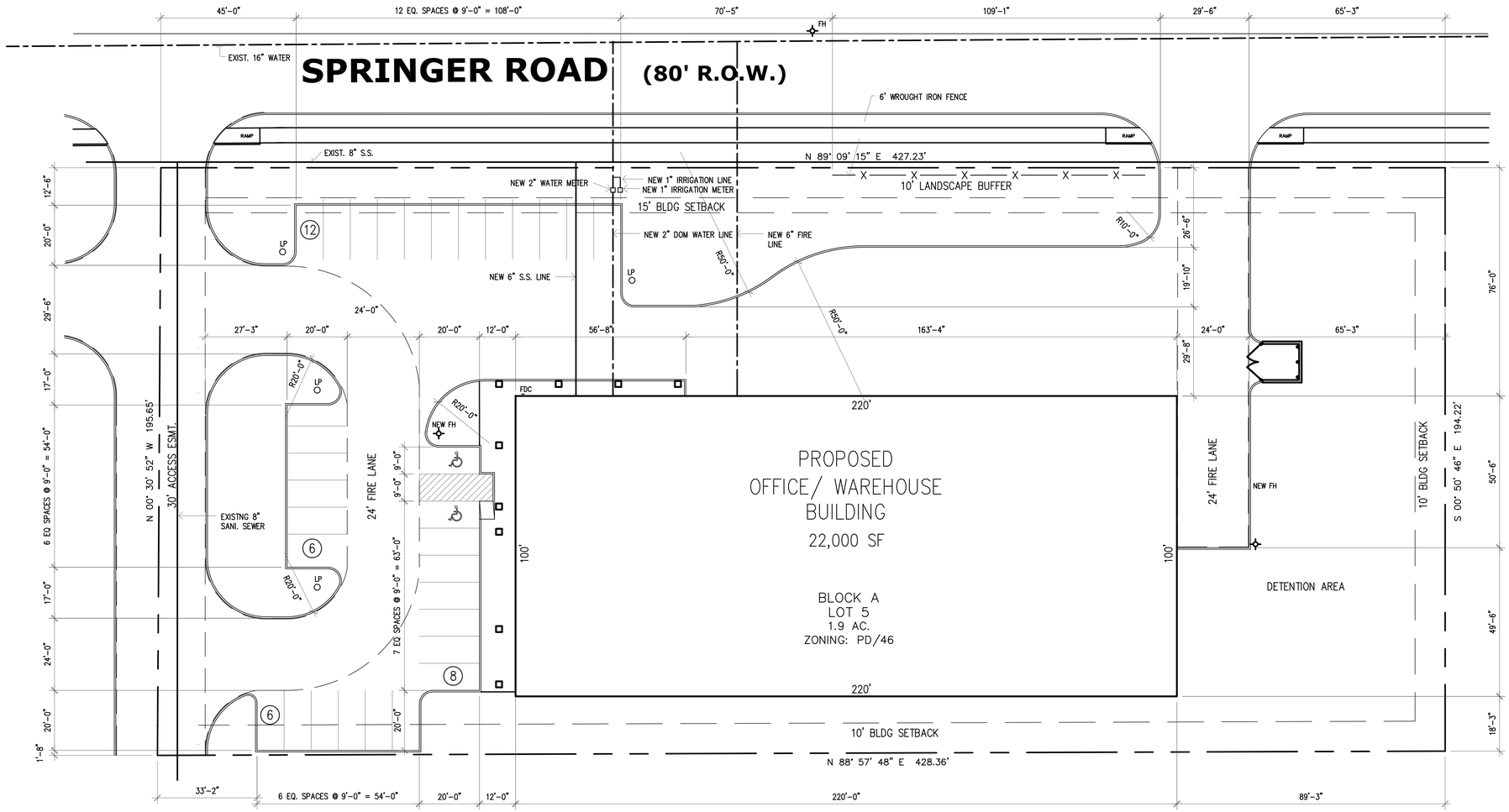






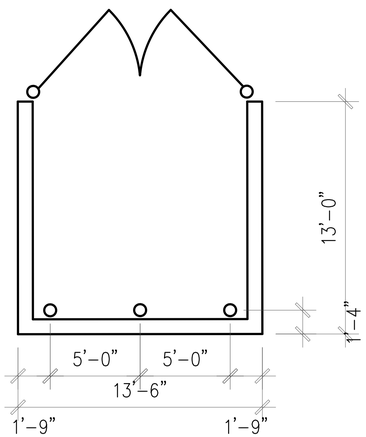


CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.

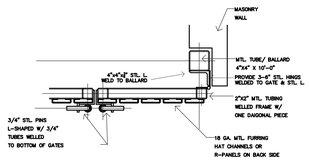


0 10 20 40
SCALE IN FEET

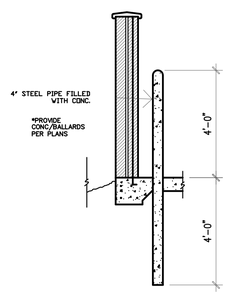
NORTH



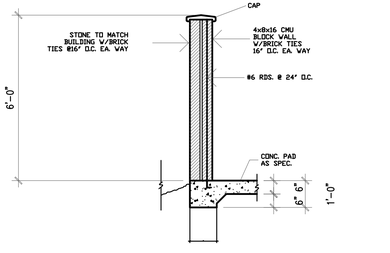
1 DUMPSTER PLAN
1/4" = 1'-0"



2 DETAIL@ BALLARD
NO SCALE



4 DETAIL@ BALLARD
NO SCALE



3 SECTION @ DUMPSTER WALL

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.

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
8578 HWY 276
ROCKWALL, TEXAS 75032
214-390-9689

CASE #SP2021-

PRICING & CONSTRUCTION GENERAL NOTES:

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MERSHAWN ARCHITECTS
RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By
1	10.3.19	rev per permit comments	
2	10.14.19	rev per TAS review	

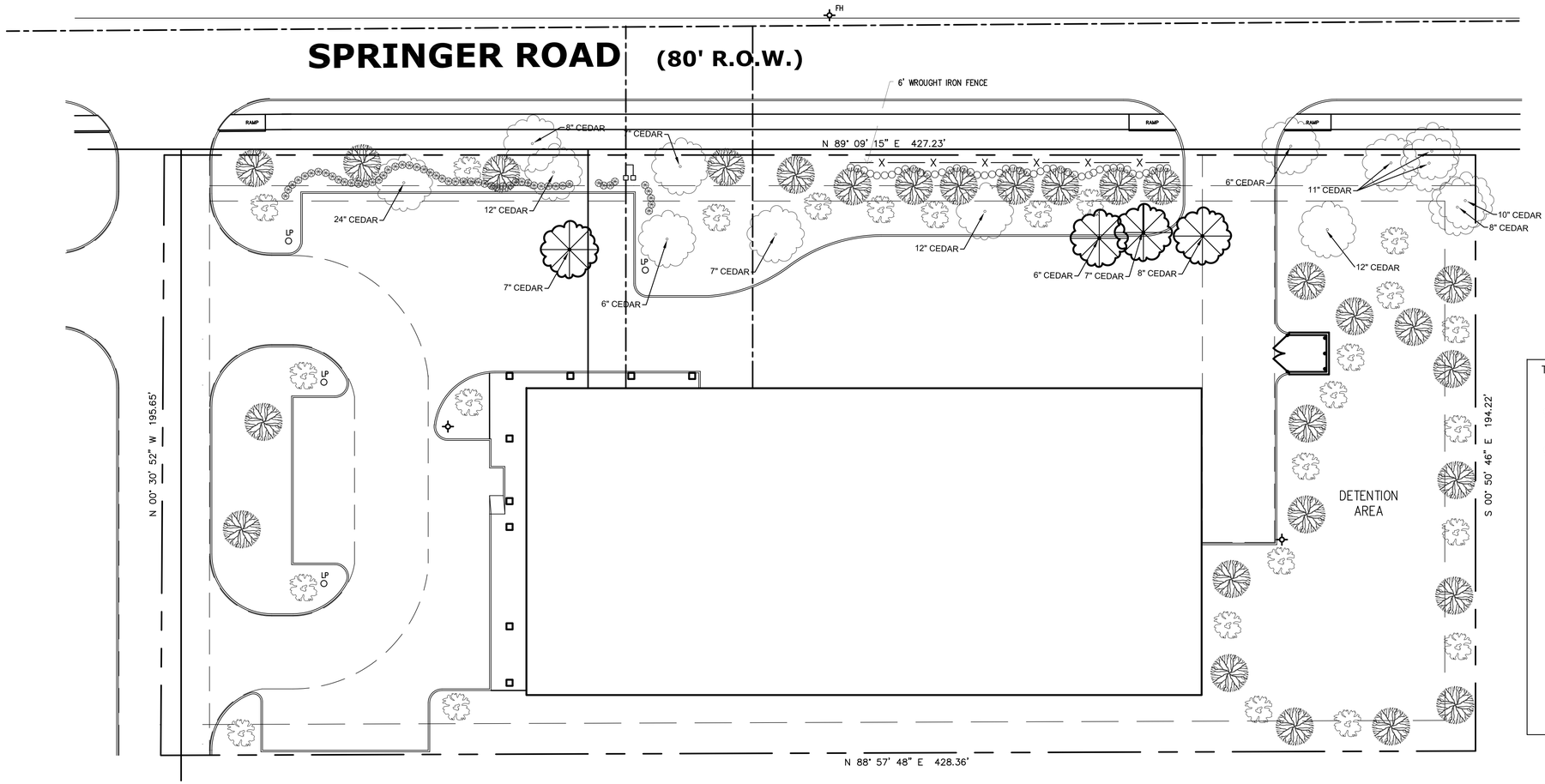
SHARP WAREHOUSE III
ROCKWALL, TEXAS

SITE PLAN

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

SHEET A1 OF

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



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 MITAGATION PLAN FOR EXISTING TREES TO BE REMOVED

0 10 20 40
SCALE IN FEET

NORTH

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 $^{5463}/_{300}$ = 18 DISTRIBUTION $^{16537}/_{2000}$ = 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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CASE #SP2021–

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RESIDENTIAL RESTAURANTS
MEDICAL COMMERCIAL INSTITUTIONAL
CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972–722–9302
FAX : 972–249–2081

No.	Date	Revision	By

REGISTERED ARCHITECT GREG WALTS 10486 STATE OF TEXAS

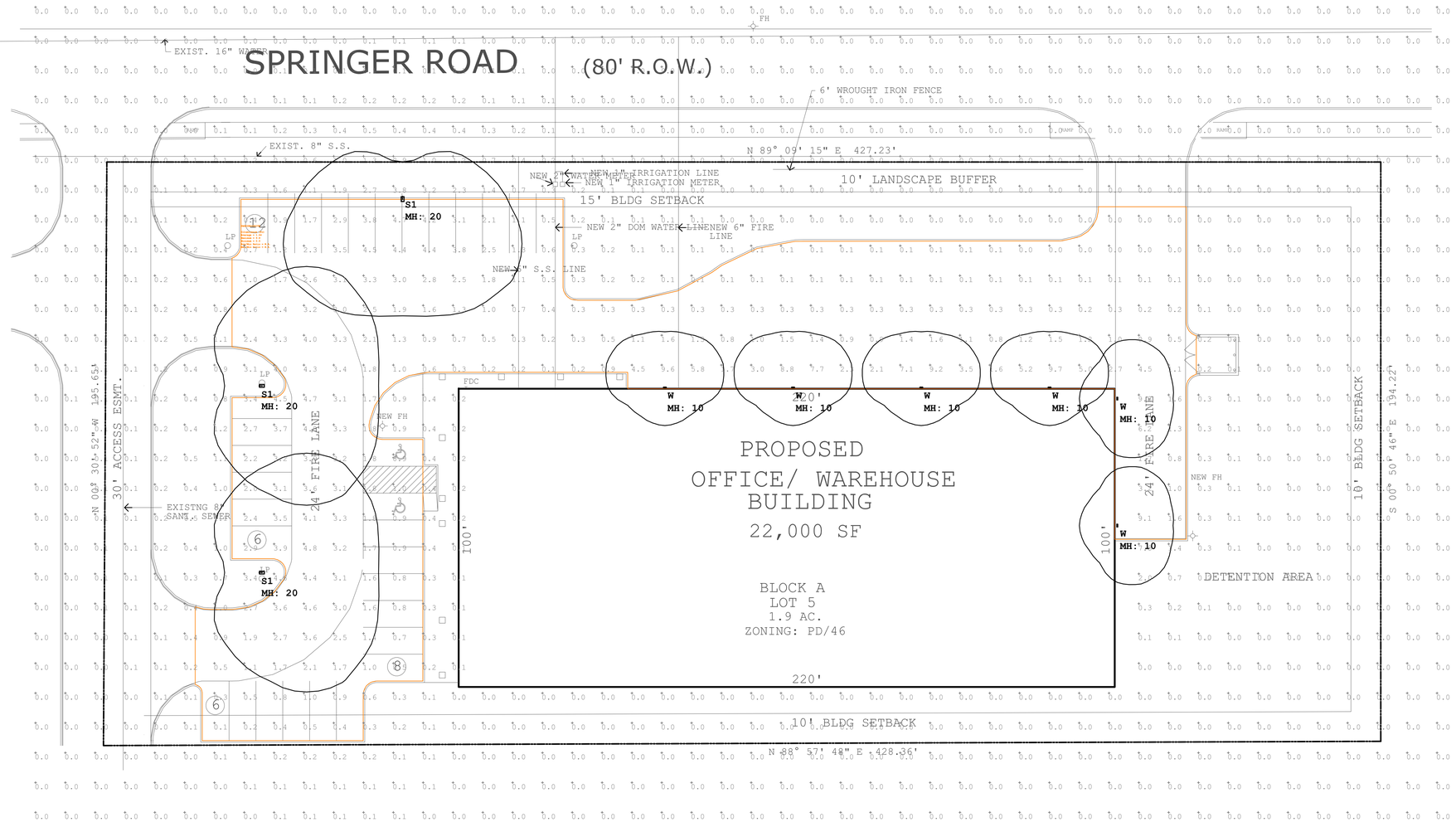
SHARP WAREHOUSE III
ROCKWALL, TEXAS

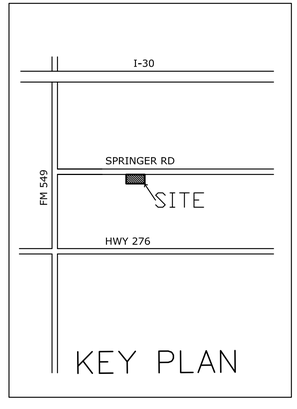
LANDSCAPE PLAN

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

SHEET L1 OF 2

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





Luminaire Schedule							
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Light Lost Factor	User Defined Factor
	S1	3	LITHONIA ESX1 LED P2 40K R3 VOLTAGE	13916	97.59	0.903	1.000
	W	6	LITHONIA WPX2 LED 40K Mvolt	5896	47.77	0.808	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
PARKING+DRIVE		Fc	1.84	9.8	0.0	N.A.

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

0 10 20 40
SCALE IN FEET

NORTH

OWNER
SHARP INSULATION
2578 HWY 276
ROCKWALL, TEXAS 75032
214-392-0689

CASE #SP2021-

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MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By

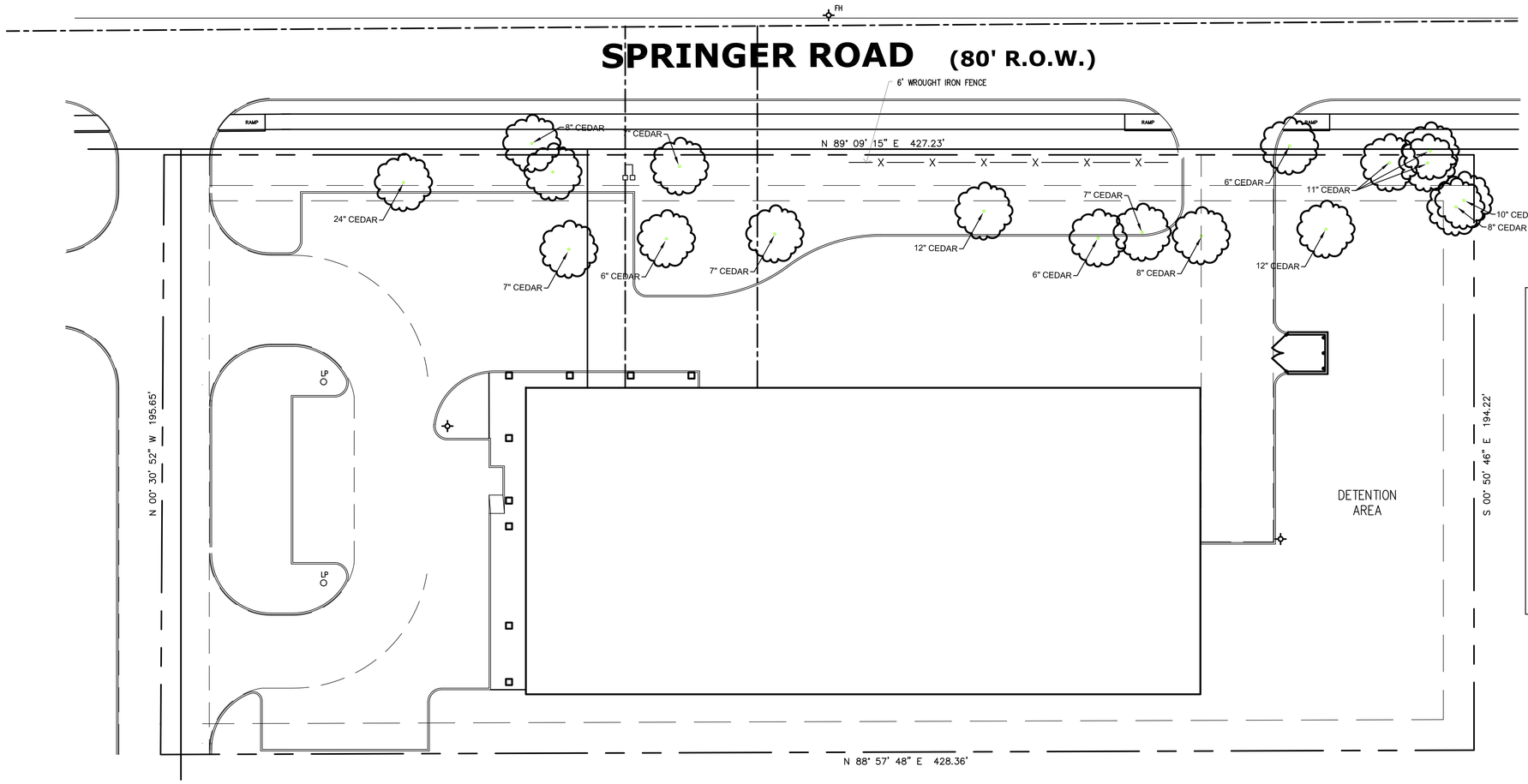
SHARP WAREHOUSE III
ROCKWALL, TEXAS

PHOTOMETRIC SITE PLAN

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

SHEET PH1 OF 1

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



THERE IS NO MITIGATION FOR THIS PROPERTY

- EXISTING TREE TO REMAIN
- LIVE OAKS (00) INSTALLED WITH A MIN. 4" CALIPER
- RED BUD (00) MIN 4' TALL
- INDIAN HAWTHORNE (00) 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 (00) 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 MITAGATION 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 $^{5463}/_{300}$ = 18 DISTRIBUTION 16,$^{537}/_{2000}$ = 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

		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

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

0 10 20 40
SCALE IN FEET

NORTH

PRICING & CONSTRUCTION GENERAL NOTES:

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CASE #SP2021-000

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2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By

REGISTERED ARCHITECT GREG WATTS 10485 STATE OF TEXAS

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

SHEET L2 OF 2

LITHONIA LIGHTING®

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-metalic 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.

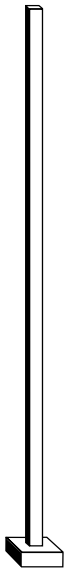
FINISH – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, 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 for additional information.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

Buy American

See footnotes next page.

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

SSS						
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[1]**	**Mounting[2]**		**Options**	**Finish[10]**
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.)	Tenon mounting 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) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] 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° CSX/DSX/RSX/AERIS™/OMERO™/ HLA/KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	AERIS™ Suspend drill mounting[3,4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting[3,4] DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed 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)[5,6] FDLxy Festoon outlet less electrical[5] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,7] MAEX Match existing[8] BAA Buy America(n) Act Compliant IC Interior coating[10] UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) Shipped separately (replacement kit available) (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	Standard colors DDBXD Dark bronze DWHXD White DBLXD Black DMBXD Medium bronze DNAXD Natural aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Architectural Colors and Special Finishes[11] Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. 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.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST**2**.
5. 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
6. 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 HAxyy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

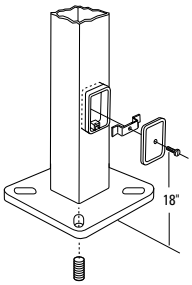
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SSS Square Straight Steel Poles

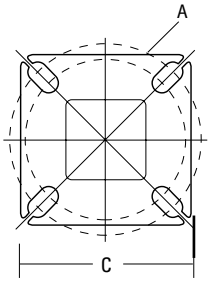
TECHNICAL INFORMATION — EPA (ft2) with 1.3 gust													
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft^2) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 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

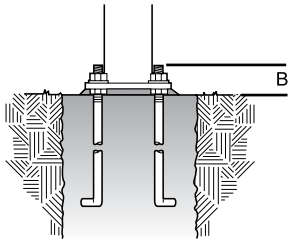
* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

BASE DETAIL

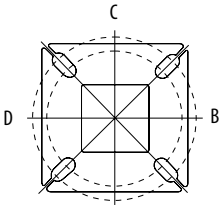


POLE DATA								
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C	3/4"x18"x3"
4"G	8" – 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



Handhole

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.

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ESX1 LED
Area Luminaire

Catalog Number

Notes

Type

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

Specifications

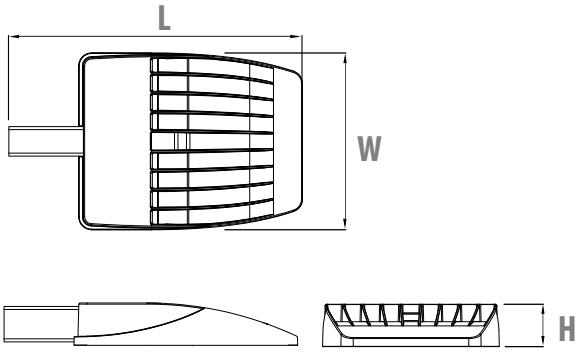
EPA 0.40 ft² (0.04 m²)

Length: 19.9" (50.5 cm)

Width: 12" (30.5 cm)

Height: 2.9" (7.4 cm)

Weight: 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					
4000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 40K R3 MVOLT UPA BLS DDBXD M2	*269PG3	00194994838302
400W	**ESX1 LED P4**	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
5000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 50K R3 MVOLT UPA BLS DDBXD M2	*269PGY	00194994838555
400W	**ESX1 LED P4**	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.

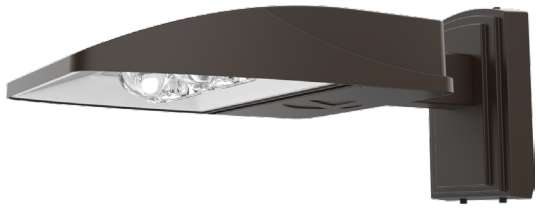
Accessories: *Order as separate catalog number.*

Catalog Number	Description	CI Code	UPC
ESXWBA DDBXD U	ESX WBA wall bracket, dark bronze finish	*270S5T	00194995092826

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

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Accessories

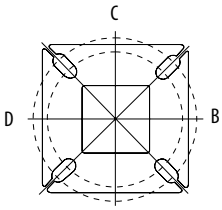


Wall Bracket (WBA)

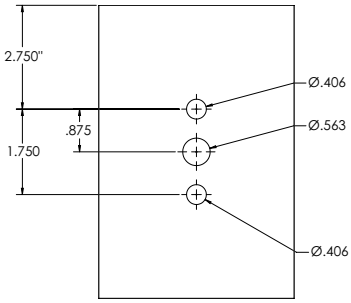
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters 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

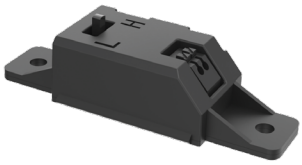
Drill/Side Location by Configuration Type

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



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

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.

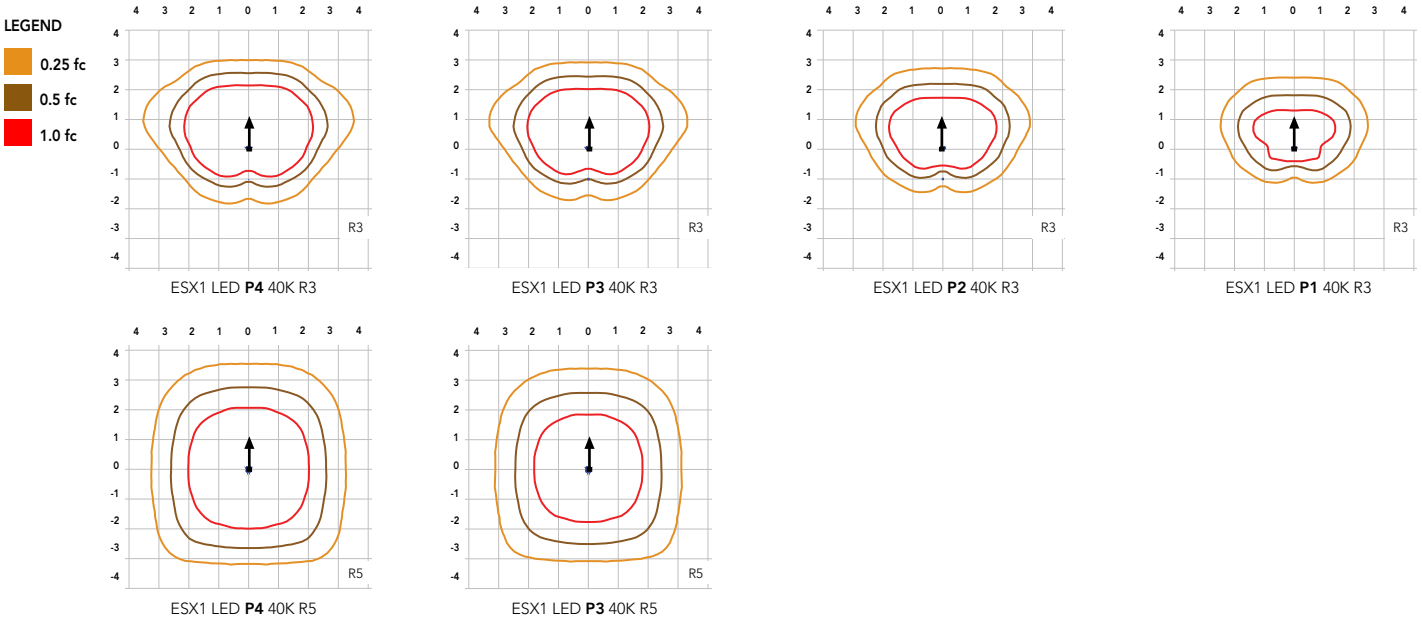


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Photometric Diagrams

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').



ESX1 LED **P4** 40K R3

ESX1 LED **P3** 40K R3

ESX1 LED **P2** 40K R3

ESX1 LED **P1** 40K R3

ESX1 LED **P4** 40K R5

ESX1 LED **P3** 40K R5

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

		Current (A)					
Performance Package	System Watts (W)	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).

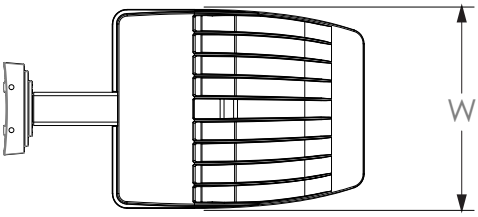
To calculate LLF, use the lumen maintenance factor that corresponds to the luminaire performance package below. For other lumen maintenance values, contact factory.

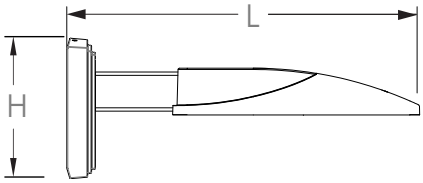
Performace Package	TM-21 Percent Lumen Maintenance at 60,000 hrs
P1 / P2	89%
P3	88%
P4	87%

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Dimensions

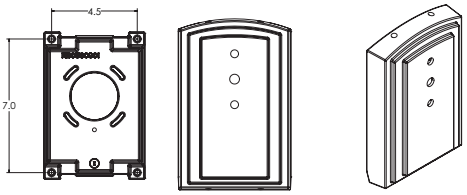
ESX1 with Wall Bracket (WBA)





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 warrantied 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 to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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

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WPX LED
Wall Packs

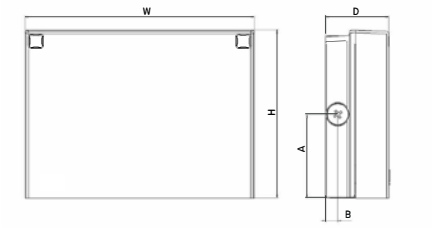
Catalog Number

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 [1]	30K	3000K	MVOLT	120V - 277V	(blank)	None	DDBXD	Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K	4000K	347	347V [3]	E4WH	Emergency battery backup, CEC compliant (4W, 0°C min) [2]	DWHXD	White
WPX2 LED	6,000 Lumens, 47W	50K	5000K			E14WC	Emergency battery backup, CEC compliant (14W, -20°C min) [2]	DBLXD	Black
WPX3 LED	9,200 Lumens, 69W					PE	Photocell [3]	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

1. 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
2. Battery pack options only available on WPX1 and WPX2.
3. 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 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.

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.

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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

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

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

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 **E4WH** DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT **E14WC** DDBXD

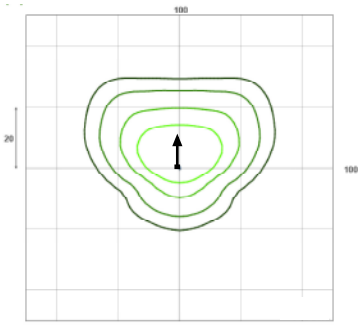
Photometric Diagrams

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

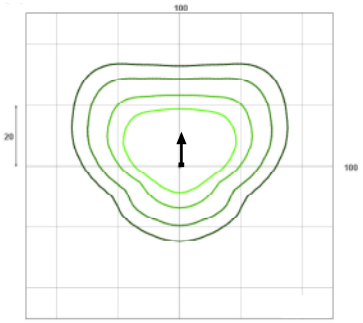
LEGEND

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

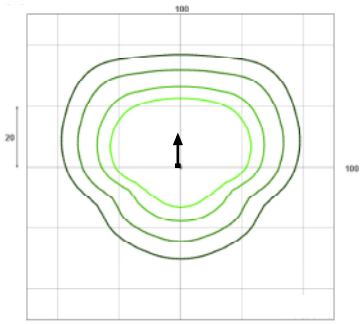
WPX1 LED P1



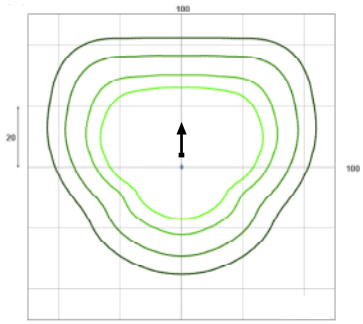
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

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PROJECT COMMENTS

CITY OF ROCKWALL
385 S. GOLIAD STREET
ROCKWALL, TEXAS 75087
PHONE: (972) 771-7700

DATE: 7/22/2021

PROJECT NUMBER:	SP2021-015	CASE MANAGER:	David Gonzales
PROJECT NAME:	Site Plan for Sharp Warehouse III	CASE MANAGER PHONE:	(972) 772-6488
SITE ADDRESS/LOCATIONS:	3301 SPRINGER RD	CASE MANAGER EMAIL:	dgonzales@rockwall.com

CASE CAPTION: Discuss and consider a request by Greg Wallis of Mershawn Architects on behalf of Kris Sharp for the approval of a Site Plan for a warehouse/office building on a 1.914-acre parcel of land identified as Lot 5, Block A, Sharp Addition, City of Rockwall, Rockwall County, Texas, zoned Planned Development District 46 (PD-46) for Commercial (C) District land uses, generally located on the southside of Springer Road west of the intersection of Springer Road and Data Drive, and take any action necessary.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PLANNING	David Gonzales	07/22/2021	Needs Review

07/22/2021: SP2021-015; Site Plan for Sharp Warehouse III
Please address the following comments (M= Mandatory Comments; I = Informational Comments)

I.1 This is a request for the approval of a Site Plan for a warehouse/office building on a 1.914-acre parcel of land identified as Lot 5, Block A, Sharp Addition, City of Rockwall, Rockwall County, Texas, zoned Planned Development District 46 (PD-46) for Commercial (C) District land uses, generally located on the Southside of Springer Road west of the intersection of Springer Road and Data Drive.

I.2 For questions or comments concerning this case please contact David Gonzales in the Planning Department at (972) 772-6488 or email dgonzales@rockwall.com.

M.3 For reference, include the case number (SP2021-015) in the lower right-hand corner of all pages of all revised plan submittals. (§03.04.A, Art. 11, UDC)

I.4 This project is subject to all requirements stipulated by Planned Development District 46 (PD-46), the Unified Development Code (UDC) and the Development Standards of Article 05 that are applicable to the subject property.

M.5 All pages of the site plan (i.e. landscape & treescape plans) are required to have a signature block affixed to each plan for the Planning and Zoning Commission Chairman and the Director of Planning to sign once approved. (§03.04.A, Art. 11, UDC)

M.6 Correct signature block on all plans by changing the Year to 2021 or use a blank line. (§03.04.A, Art. 11, UDC)

I.7 Please note that the property will require a replat prior to the issuance of a building permit. Additionally, the site plan must be approved, all comments must be addressed prior to the approved site plan being signed by the Planning and Zoning Commission Chairman and the Director of Planning. Once signed, a copy of the approved/signed site plan will be forwarded to you. A copy of the signed site plan must be included upon submittal of the civil engineering plans.

I.8 Signage Plan. Please note that all plans for signage must be submitted and approved through a separate permit with the Building Inspections Department. Contact Craig Foshee, Plans Examiner at cfoshee@rockwall.com for permitting requirements for your proposed sign(s).

M.9 Site Plan. Please make the following clarifications on the site plan to ensure staff can properly review this project and convey all of the required elements to the City's boards and commissions (§01.02, Art. 11, UDC):

1) Provide Site Plan data table. (§01.02, Art. 11, UDC)
2) Delineate the proposed outer limits/dimensions of the detention pond. (§03.08(B), Art. 11, UDC)
3) Indicate and label the widths of all sidewalks existing and proposed for the site. (§03.04(B), Art. 11, UDC)
4) Indicate the street centerline for all existing streets. (§03.04(B), Art. 11, UDC)
5) All parking spaces and aisle dimensions shall conform to the off-street parking requirements in section 2.19 of the City's Standards of Design and Construction (Engineering Department).
6) Provide parking table indicating the total number of required parking spaces by use, the total number of required handicapped parking spaces and the total parking provided. (§05.01, Art. 06, UDC)
7) All buildings must be designed such that no roof mounted mechanical equipment, HVAC, or satellite dishes shall be visible from any direction. Dash in RTU's on building elevations, or are these ground mounted? (§01.05(C), Art. 05, UDC)
8) The proposed dumpster requires a self-latching gate. Indicate on plans. (§01.05.B, Art. 05, UDC)
9) Off-street loading docks must be screened from all public streets…and any parks and open space that abuts or is directly across a public street or alley from the subject property. The screening must be at least six (6) feet in height and shall be provided by using a masonry wall (excluding tilt wall or concrete masonry units [CMU] unless integral to the buildings design and otherwise approved by the Planning and Zoning Commission) and Canopy Trees on 20-foot centers. As an alternative, the Planning and Zoning Commission may approve a screening method in accordance with Subsection 05.02, Landscape Screening Standards, of Article 08, Landscape Standards. The applicant is requesting an alternative landscape screening method. (§01.05.A, Art. 05, UDC)
10) Based on the building footprint, an exception to the horizontal articulation standards will be required for the north, south, & east elevations. (§04.01.C.1, Art. 05, UDC)

M.10 Landscape Plan. Please make the following clarifications and changes to the landscape plan to ensure staff can properly review this project and convey all of the required elements to the City's boards and commissions (§01.02, Art. 11, UDC):

1) Provide a label indicating the required 10-ft landscape buffer. (§05.01, Art. 08, UDC)
2) Identify visibility triangles at all driveway intersections and public streets. (§01.08, Art. 05, UDC)

M.11 Treescape Plan. Plan is OK as submitted.

M.12 Photometric Plan. Please make the following clarifications and changes to the photometric plan to ensure staff can properly review this project and convey all of the required elements to the City's boards and commissions (§01.02, Art. 11, UDC):

1) No light pole, pole base or combination thereof shall exceed 30-feet. Cut sheet does not indicate height for proposed pole. Provide detail or indicate OAH not exceeding 30-ft. (§03.03, Art. 07, UDC)
2) The maximum allowable light intensity measured at the property line of any non-residentially zoned lot shall be 0.2 FC. Lighting levels exceed this requirement along the northwest corner property line adjacent to Springer Road. (§03.03, Art. 07, UDC)
3) Provide cut sheets for all exterior lighting fixtures.
4) Provide Site Plan data table. (§01.02, Art. 11, UDC)

M.13 Building Elevations. Please make the following clarifications and changes to the building elevations to ensure staff can properly review this project and convey all of the required elements to the City's boards and commissions (§01.02, Art. 11, UDC):

The following are located within the General Industrial District standards of Subsection 05.01, of Article 05, of the Unified Development Code (UDC):

1) An exception to the horizontal articulation standards as listed below.
2) All signage requires a separate permit as indicated above.
3) Projecting elements and parapets walls are to be finished on the interior using the same materials as the exterior façade (i.e. no exposed TPO). Indicate on plans.
4) Request for vertical walls in detention. This requires approval of a variance by the Planning and Zoning Commission.

Based on the building elevation submittal, staff has identified the following that require approval of exceptions to the Unified Development Code (UDC) for development within the Planned Development District 46 (PD-46):

1) Roof Design Standards. The proposed building does not meet the roof design standards by not finishing the interior side of the projecting elements and parapet walls with the same materials as the exterior as established by the UDC and requires approval of an exception for the use of exposed TPO. Required if not indicated on plans. (§04.01.A.1, Art. 05, UDC)
2) Building Articulation. The proposed building does not meet the articulation standards established by the UDC and requires approval of an exception. (§04.01.C, Art. 05, UDC)

An applicant may request the Planning and Zoning Commission grant an exception to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code (UDC) would create an undue hardship. The applicant will need to provide a letter stating the justification for each exception requested and indicate a minimum of two (2) compensatory measures for each that directly off-sets the impact of the exception being requested. Please also note that all of the requested exceptions require approval of a supermajority vote for approval. Refer to Section 09, of Article 11, of the UDC for examples of compensatory measures.

- If necessary, provided an updated letter of explanation which includes the Roof Design Standards exceptions, and the compensatory measures justifying the exceptions being requested for consideration.

I.14 Please note that failure to address all comments provided by staff by 3:00 PM on August 3, 2021 will result in the automatic denial of the case on the grounds of an incomplete submittal. No refund will be given for cases that are denied due to an incomplete submittal, and a new application and fee will be required to resubmit the case.

I.15 Please make all revisions and corrections, and provide any additional information that is requested by staff no later than August 3, 2021. It is encouraged for applicants to submit revisions as soon as possible to give staff ample time to review the case prior to the August 10, 2021 Planning & Zoning Meeting.

M.16 Please provide one (1) hard copy and a PDF/electronic version for a subsequent review by staff.

I.17 The Architectural Review Board (ARB) meeting will be held on July 27, 2021 and will begin at 5:00 p.m. in the City's Council Chambers. The ARB will provide comments or may forward a recommendation to the Planning and Zoning Commission.

I.18 Please note the scheduled meetings for this case:

1) Planning & Zoning Work Session meeting will be held on July 27, 2021.
2) Architectural Review Board (ARB) meeting will be held on July 27, 2021.

3) Planning & Zoning regular meeting will be held on August 10, 2021.
4) Architectural Review Board (ARB) meeting will be held on August 10, 2021 (if required).

I.19 All meetings will be held in person and in the City's Council Chambers. All meetings listed above are scheduled to begin at 5:00 p.m. (ARB) and 6:00 p.m. (P&Z). The City requires that a representative(s) be present for all meetings.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
ENGINEERING	Sarah Johnston	05/20/2021	Needs Review

05/20/2021: M - Fire Lane to be 24' min. face of curb to face of curb.
M - Only one use off a deadend line (domestic, irrigation, fire, etc.)

The following items are informational for the engineering plan review process.
General Items:
I - Must meet City Standards of Design and Construction
I - 4% Engineering Inspection Fees

I - Impact Fees
I - Minimum easement width is 20' for new easements. No structures allowed in easements.
I - Retaining walls 3' and over must be engineered.
I - All retaining walls must be rock or stone face. No smooth concrete walls.
I - Must plat the property.

Drainage Items:
I - Detention is required. No vertical walls allowed in detention easements
I - Detention outfall must be at sheet flow conditions when storm water crosses the property line.
I - Manning's C-value is per zoning type.
I - Dumpster areas to drain to oil/water separator and then to the storm lines.

Roadway Paving Items:
I - Parking to be 20'x9' facing the building or nose-to-nose.
I - No dead-end parking allowed.
I - Drive isles to be 24' wide.
I - Fire lane to have 20' min radius if buildings are less than 30' tall. If any of the buildings are 30' or more, the fire lane will be 30' radius minimum.
I - Fire lane to be in a platted easement.
I - Any street paving that is removed for tie-ins will require full panel concrete replacement.
I - Driveway radii to be 30' minimum.
I - Driveway radius must be at least 10' away from the curb inlets.
I - 5' wide sidewalk, 2' inside the ROW, along all frontage.

Water and Wastewater Items:
I - Show proposed utility lines (Water, Sewer, etc.)
I - Only one use allowed off a dead-end line (domestic, irrigation, fire hydrant, etc.)
I - Any water lines extended to supply fire protection and service must be a minimum of 8", looped, and must be in a 20' wide easement. (Meet City of Rockwall Standards of Design and Construction)
I - Springer Sewer Pro-Rata: $21/LF of frontage
I - Springer Road Pro-Rata: $11.47/LF of frontage
I - Sewer Pro-Rata: $1,917.72/acre of land.

Landscaping:
I - No trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger.
I - No trees to be with 5' of any public water, sewer, or storm line that is less than 10".

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
BUILDING	Rusty McDowell	05/18/2021	Approved

No Comments

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
FIRE	Ariana Kistner	05/18/2021	Needs Review

05/18/2021: A turning radius of 30-feet for buildings 30-feet or above in height is required for the fire lane.

Buildings or portions of buildings 30-feet or more in height above the lowest level of fire department vehicle access shall be provided with a fire lane a minimum of 15-feet to a maximum of 30-feet from the building and shall be positioned parallel to one entire side of the building.

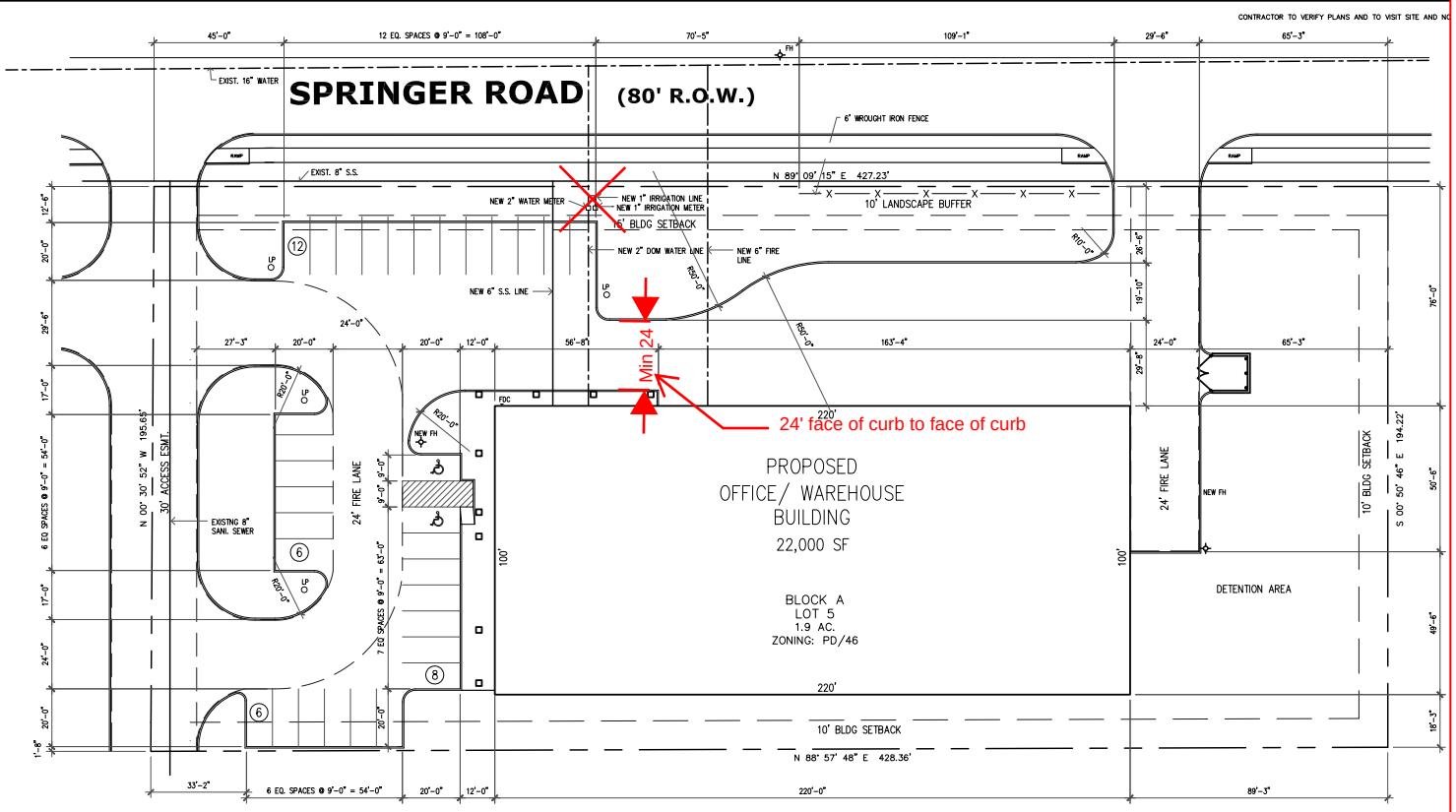
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT

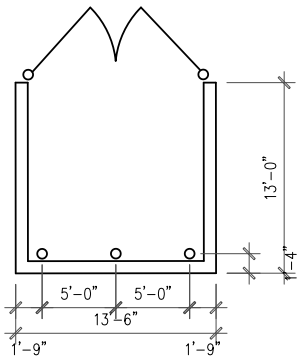
GIS	Lance Singleton	05/17/2021	Approved w/ Comments

05/17/2021: Assigned address will be 3301 SPRINGER RD, ROCKWALL, TX 75032

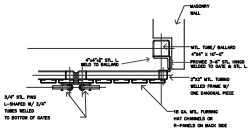
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PARKS	Travis Sales	05/17/2021	Approved

05/17/2021: No trees allowed within 5' of water and sewer lines that are 10" or less
No trees allowed within 10' of water and sewer lines that are 10" or greater
Landscape Plan approved
Tree Mitigation approved

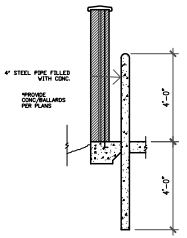




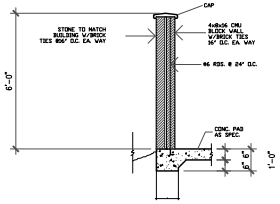
1 DUMPSTER PLAN
1/4" = 1'-0"



2 DETAIL@ BALLARD
NO SCALE



4 DETAIL@ BALLARD
NO SCALE



3 SECTION @ DUMPSTER WALL

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.

SITE PLAN SIGNATURE BLOCK

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, T
approved by the planning and zoning commission of the City of Rockwall on the _____

WITNESS OUR HANDS, this _____ day of _____, _____

_____ _____
Planning & Zoning Commission, Chairman Director of Planning and Zoning

OWNER
SHARP INSULATION

CASE #SP2021-

General Items:
I - Must meet City Standards of Design and Construction
I - 4% Engineering Inspection Fees
I - Impact Fees
I - Minimum easement width is 20' for new easements. No structures allowed in easements.
I - Retaining walls 3' and over must be engineered.
I - All retaining walls must be rock or stone face. No smooth concrete walls.
I - Must plat the property.

Drainage Items:
I - Detention is required. No vertical walls allowed in detention easements
I - Detention outfall must be at sheet flow conditions when storm water crosses the property line.
I - Manning's C-value is per zoning type.
I - Dumpster areas to drain to oil/water separator and then to the storm lines.

Roadway Paving Items:
I - Parking to be 20'x9' facing the building or nose-to-nose.
I - No dead-end parking allowed.
I - Drive isles to be 24' wide.
I - Fire lane to have 20' min radius if buildings are less than 30' tall. If any of the buildings are 30' or more, the fire lane will be 30' radius minimum.
I - Fire lane to be in a platted easement.
I - Any street paving that is removed for tie-ins will require full panel concrete replacement.
I - Driveway radii to be 30' minimum.
I - Driveway radius must be at least 10' away from the curb inlets.
I - 5' wide sidewalk, 2' inside the ROW, along all frontage.

Water and Wastewater Items:
I - Show proposed utility lines (Water, Sewer, etc.)
I - Only one use allowed off a dead-end line (domestic, irrigation, fire hydrant, etc.)
I - Any water lines extended to supply fire protection and service must be a minimum of 8", looped, and must be in a 20' wide easement. (Meet City of Rockwall Standards of Design and Construction)
I - Springer Sewer Pro-Rata: $21/LF of frontage
I - Springer Road Pro-Rata: $11.47/LF of frontage
I - Sewer Pro-Rata: $1,917.72/acre of land.

Landscaping:
I - No trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger.
I - No trees to be with 5' of any public water, sewer, or storm line that is less than 10".

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) [1]
- ☐ PRELIMINARY PLAT ($200.00 + $15.00 ACRE) [1]
- ☐ FINAL PLAT ($300.00 + $20.00 ACRE) [1]
- ☐ REPLAT ($300.00 + $20.00 ACRE) [1]
- ☐ AMENDING OR MINOR PLAT ($150.00)
- ☐ PLAT REINSTATEMENT REQUEST ($100.00)

SITE PLAN APPLICATION FEES:
- ☒ SITE PLAN ($250.00 + $20.00 ACRE) [1]
- ☐ AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN ($100.00)

ZONING APPLICATION FEES:
- ☐ ZONING CHANGE ($200.00 + $15.00 ACRE) [1]
- ☐ SPECIFIC USE PERMIT ($200.00 + $15.00 ACRE) [1]
- ☐ PD DEVELOPMENT PLANS ($200.00 + $15.00 ACRE) [1]

OTHER APPLICATION FEES:
- ☐ TREE REMOVAL ($75.00)
- ☐ VARIANCE REQUEST ($100.00)

NOTES:
[1]: 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				
SUBDIVISION	SHARP ADDITION	LOT	5	BLOCK	A
GENERAL LOCATION	SOUTH SIDE OF SPRINGER RD.				

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING	PD 46		CURRENT USE	VACANT	
PROPOSED ZONING	PD 46		PROPOSED USE	OFF/WHSE	
ACREAGE	1.91	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	SHARP INNOVATION	☒ APPLICANT	GREG WALCOX
CONTACT PERSON	KRIS SHARP	CONTACT PERSON	"
ADDRESS	2578 HWY 276	ADDRESS	1520 E. I-30
CITY, STATE & ZIP	ROCKWALL, TX 75032	CITY, STATE & ZIP	ROCKWALL, TX 75087
PHONE	214-192-0689	PHONE	817-235-9253
E-MAIL	kris@sharpinnovation.com	E-MAIL	MERRIMACRANCH@gmail.com

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 $_____, TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE _____ DAY OF _____, 20___. 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 15th *DAY OF* July, 2021.

NOTARY PUBLIC STATE OF TEXAS
MATTHEW MERSHAWN
Notary ID #128538894
My Commission Expires
March 3, 2023

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

MY COMMISSION EXPIRES 3-3-23

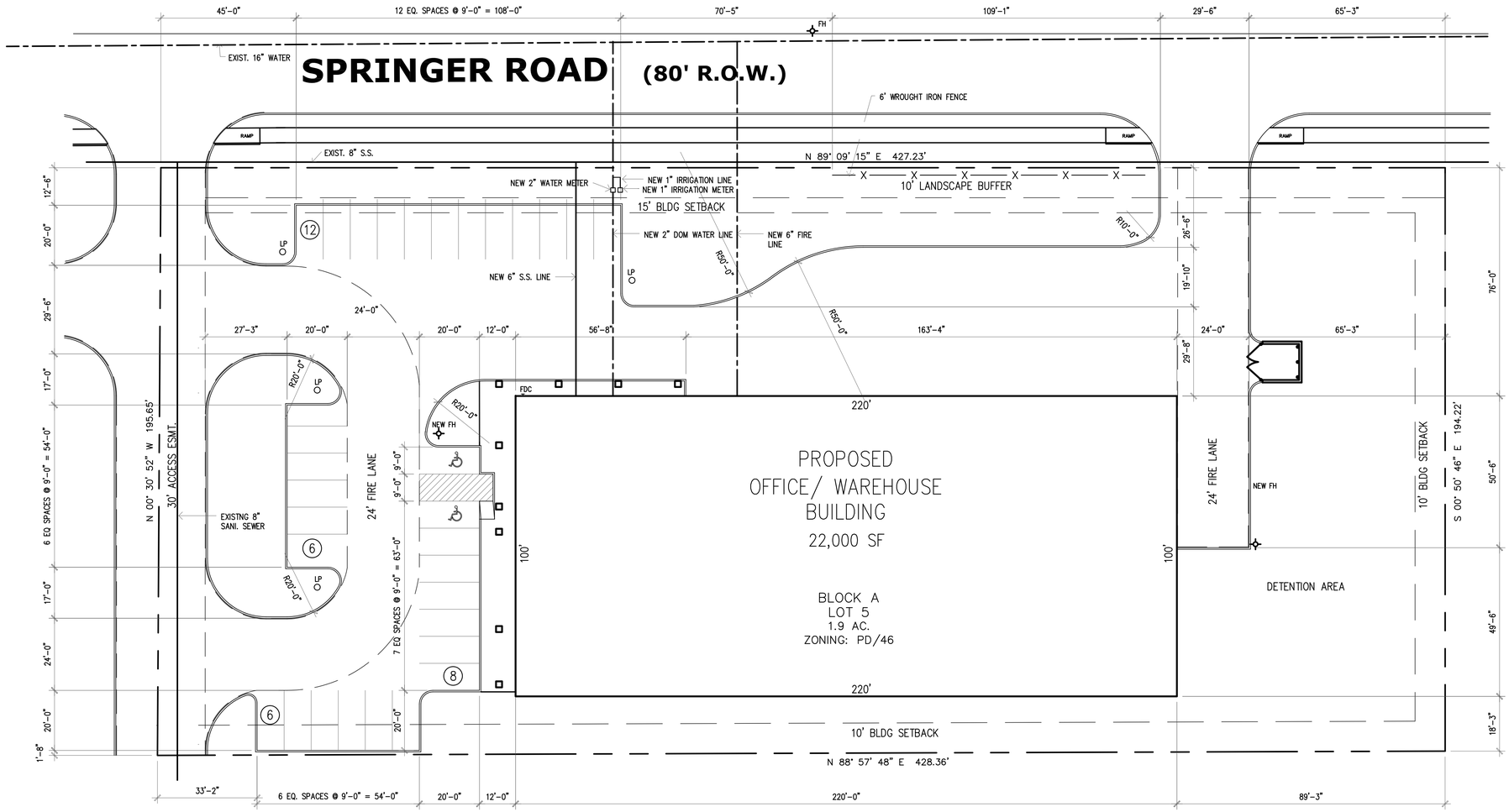


City of Rockwall

Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75032
(P): (972) 771-7745
(W): www.rockwall.com

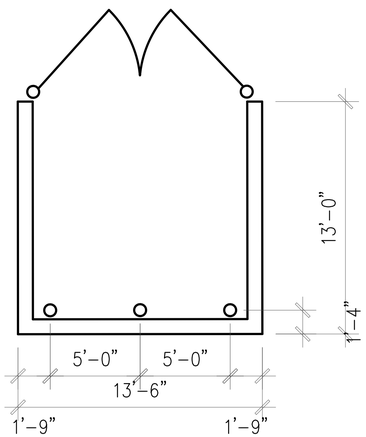
The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and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

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

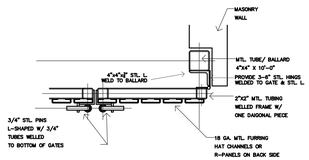


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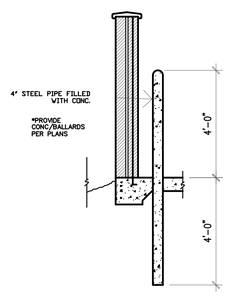
NORTH



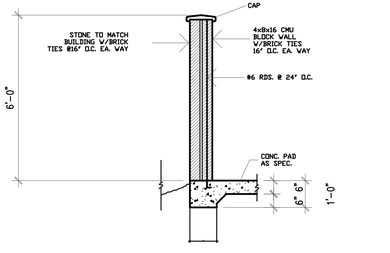
1 DUMPSTER PLAN
1/4" = 1'-0"



2 DETAIL@ BALLARD
NO SCALE



4 DETAIL@ BALLARD
NO SCALE



3 SECTION @ DUMPSTER WALL

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.

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
8578 HWY 276
ROCKWALL, TEXAS 75032
214-390-9689

CASE #SP2021-

PRICING & CONSTRUCTION GENERAL NOTES:

1. 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.
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 ATTENTIONS OF THE ARCHITECT (IN WRITING) BEFORE BIDDING THIS PROJECT.
4. AFTER BIDS ARE TURNED 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.

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MERSHAWN ARCHITECTS
RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By
1	10.3.19	rev per permit comments	
2	10.14.19	rev per TAS review	

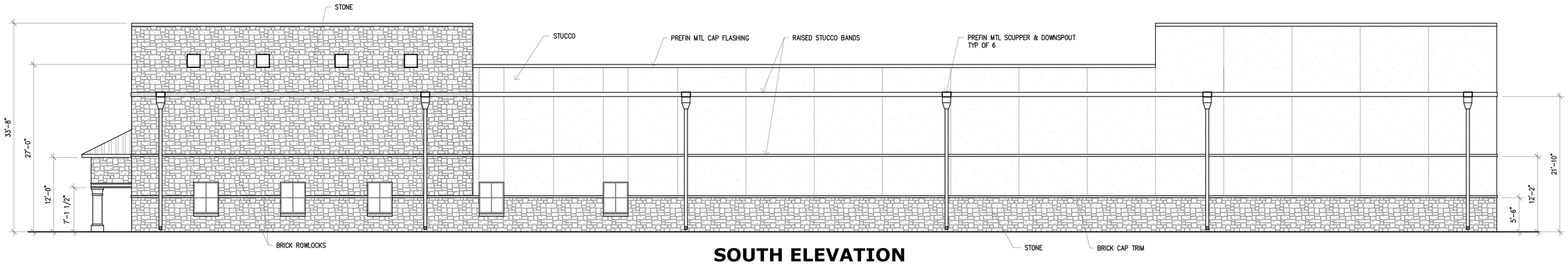
SHARP WAREHOUSE III
ROCKWALL, TEXAS

SITE PLAN

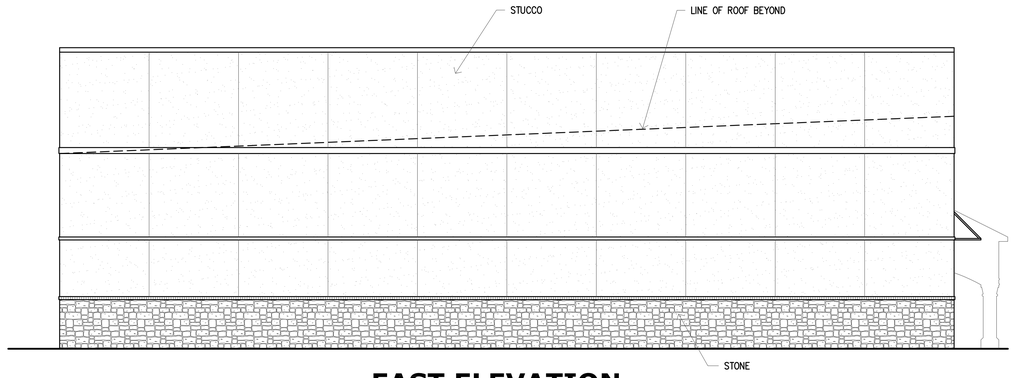
Scale:	1" = 20'-0"
Date:	02/01/2021
Project No.:	210106
Designed:	GW
Drawn:	GW
Checked:	WM

SHEET A1 OF

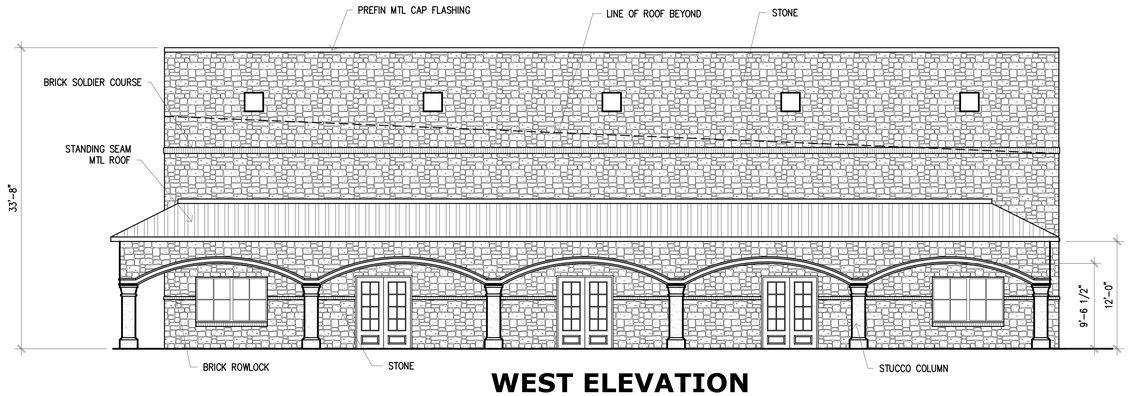
CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



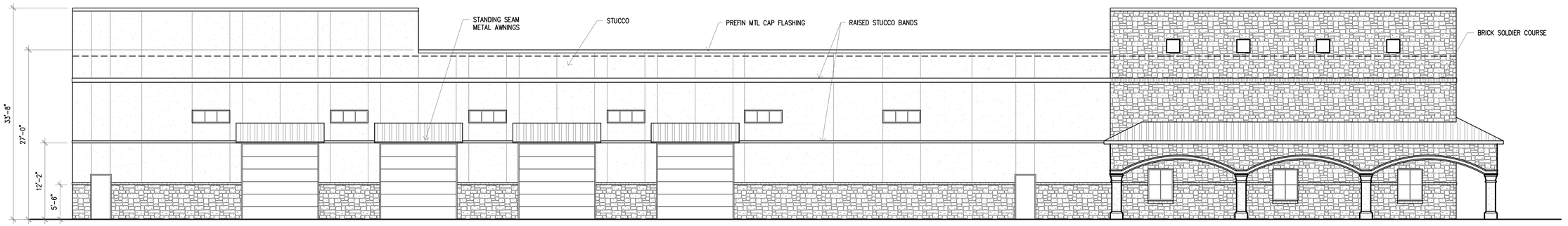
SOUTH ELEVATION
41% STONE 59% STUCCO



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

OWNER
SHARP INSULATION
3878 HWY 276
ROCKWALL, TEXAS 75032
214-390-9689

CASE #SP2021-000

PRICING & CONSTRUCTION

GENERAL NOTES:

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MERSHAWN ARCHITECTS
MEDICAL COMMERCIAL CHURCHES
RESIDENTIAL RESTAURANTS INSTITUTIONAL
1520 E. INTERSTATE 30
ROCKWALL, TEXAS 75087
PHONE: 469-745-1701

No.	Date	Revision	By

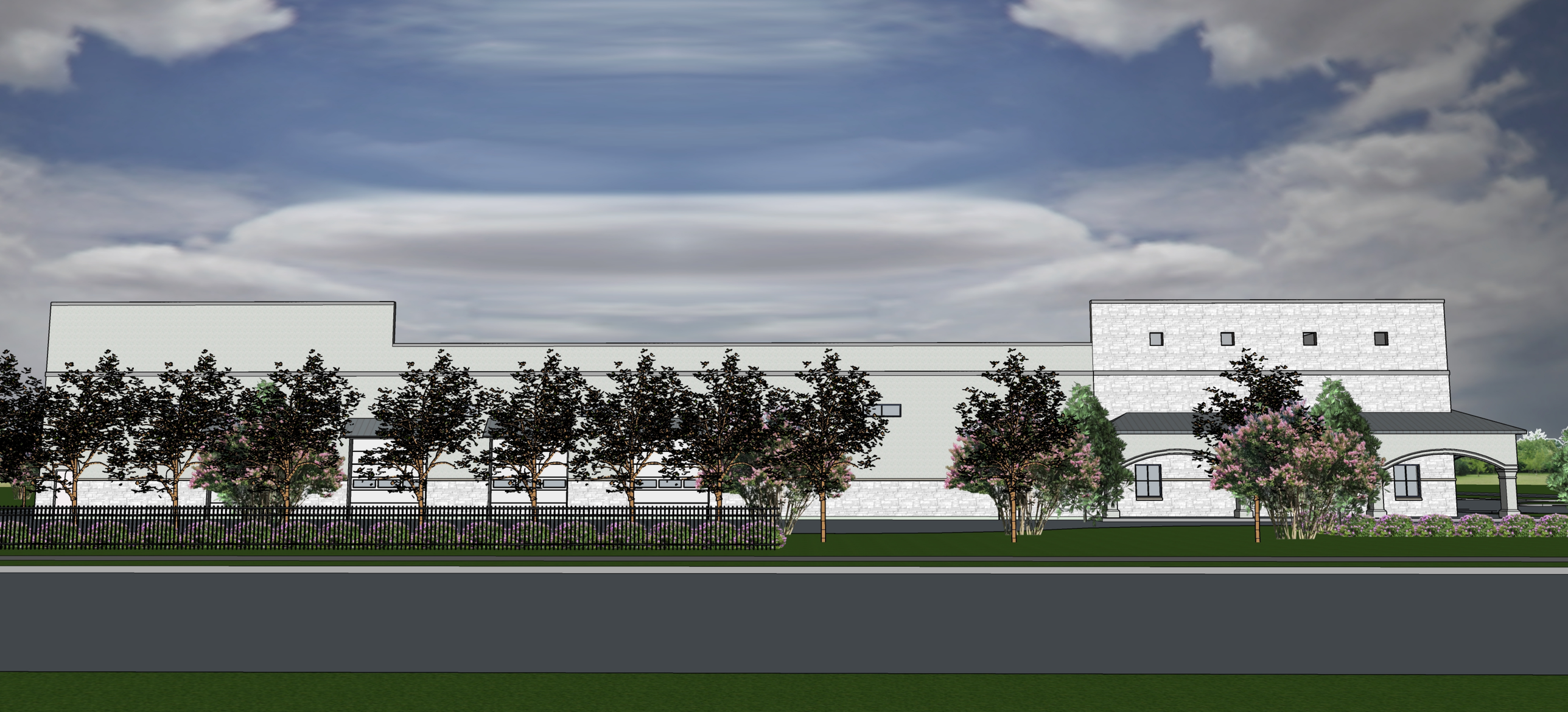
REGISTERED ARCHITECT GREG WALTOS 10486 STATE OF TEXAS

SHARP WAREHOUSE III
ROCKWALL, TEXAS

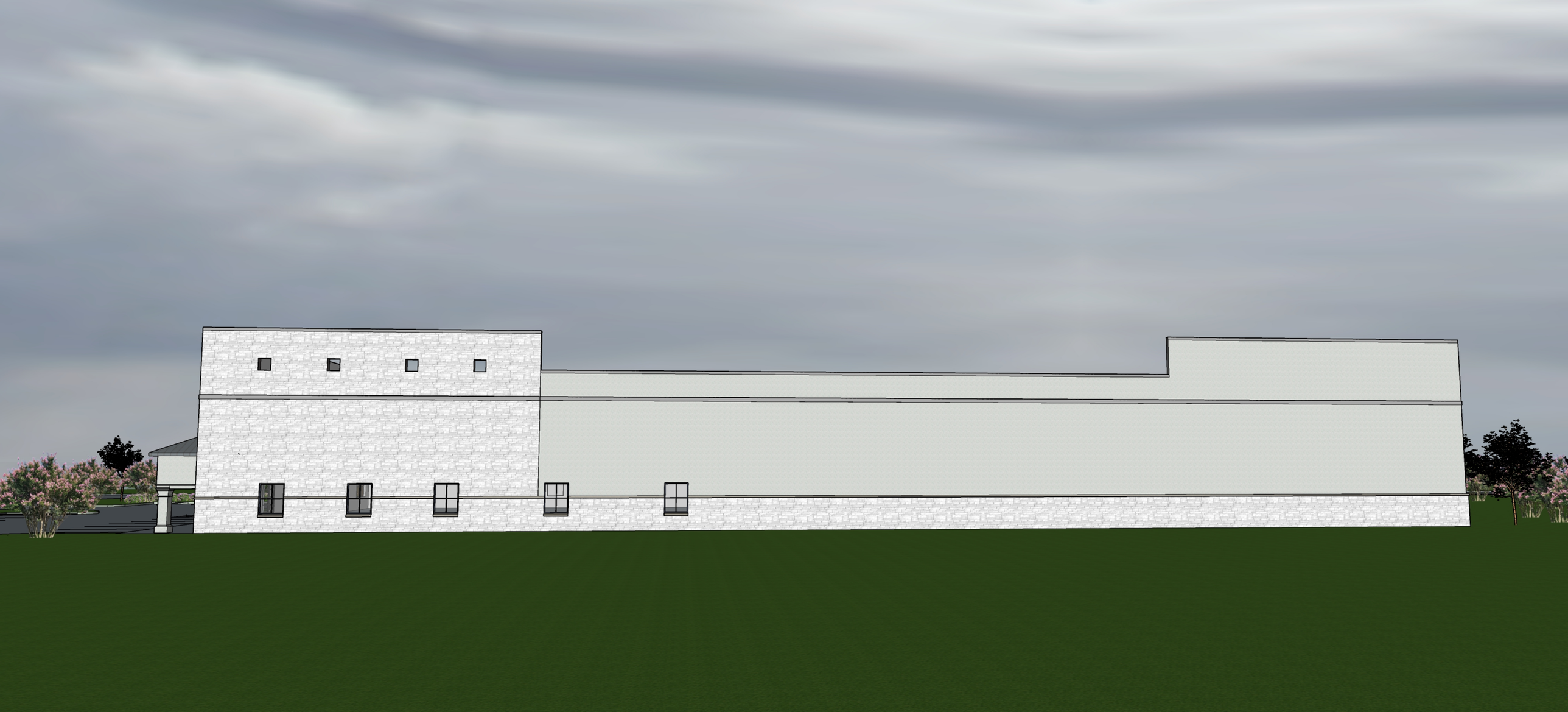
EXTERIOR ELEVATIONS

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

SHEET A4 OF







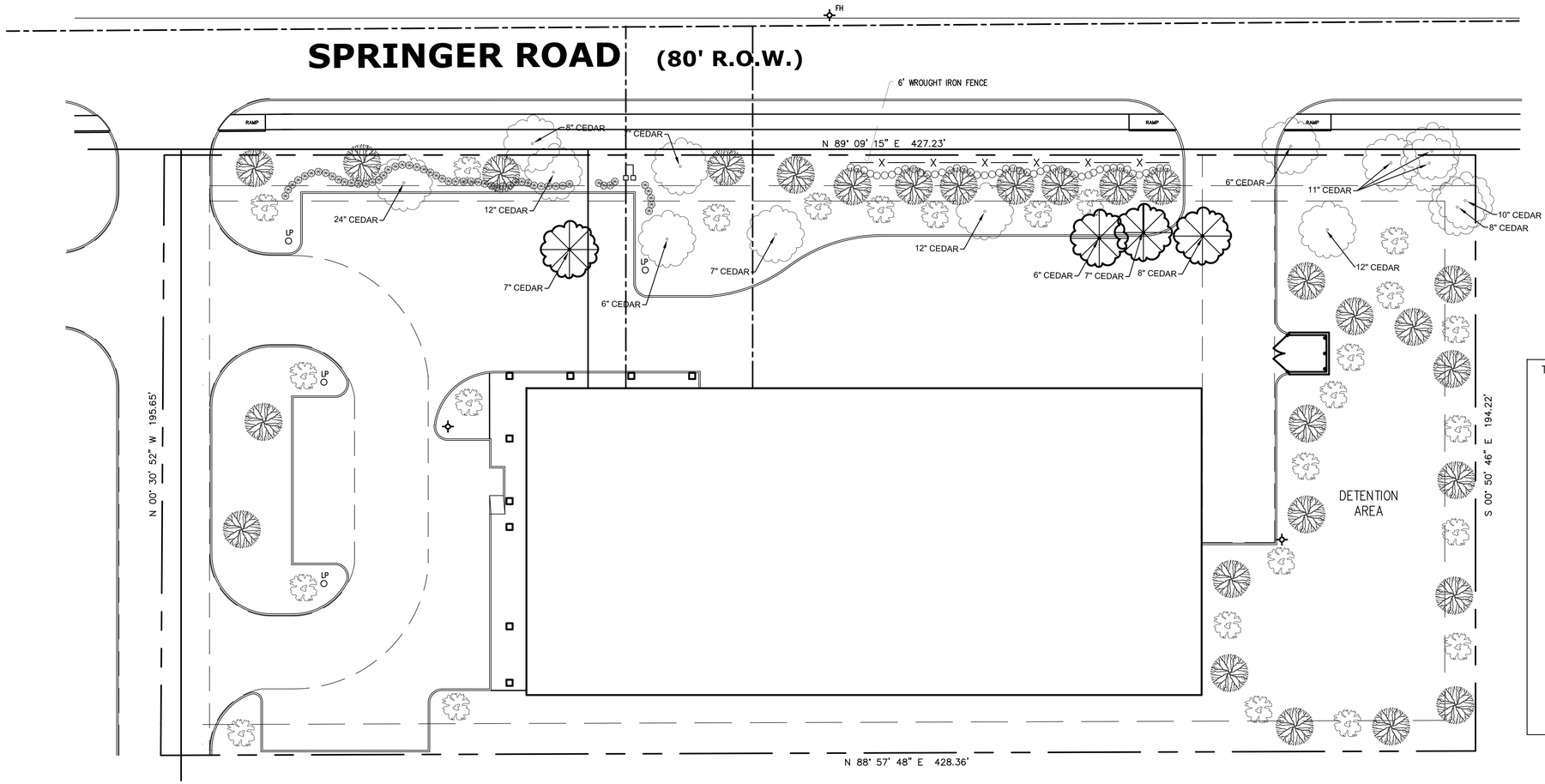








CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



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 MITAGATION PLAN FOR EXISTING TREES TO BE REMOVED

0 10 20 40
SCALE IN FEET

NORTH

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 $^{5463}/_{300}$ = 18 DISTRIBUTION $^{16537}/_{2000}$ = 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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CASE #SP2021–

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RESIDENTIAL RESTAURANTS
MEDICAL COMMERCIAL INSTITUTIONAL
CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972–722–9302
FAX : 972–249–2081

No.	Date	Revision	By

REGISTERED ARCHITECT GREG WALTS 10486 STATE OF TEXAS

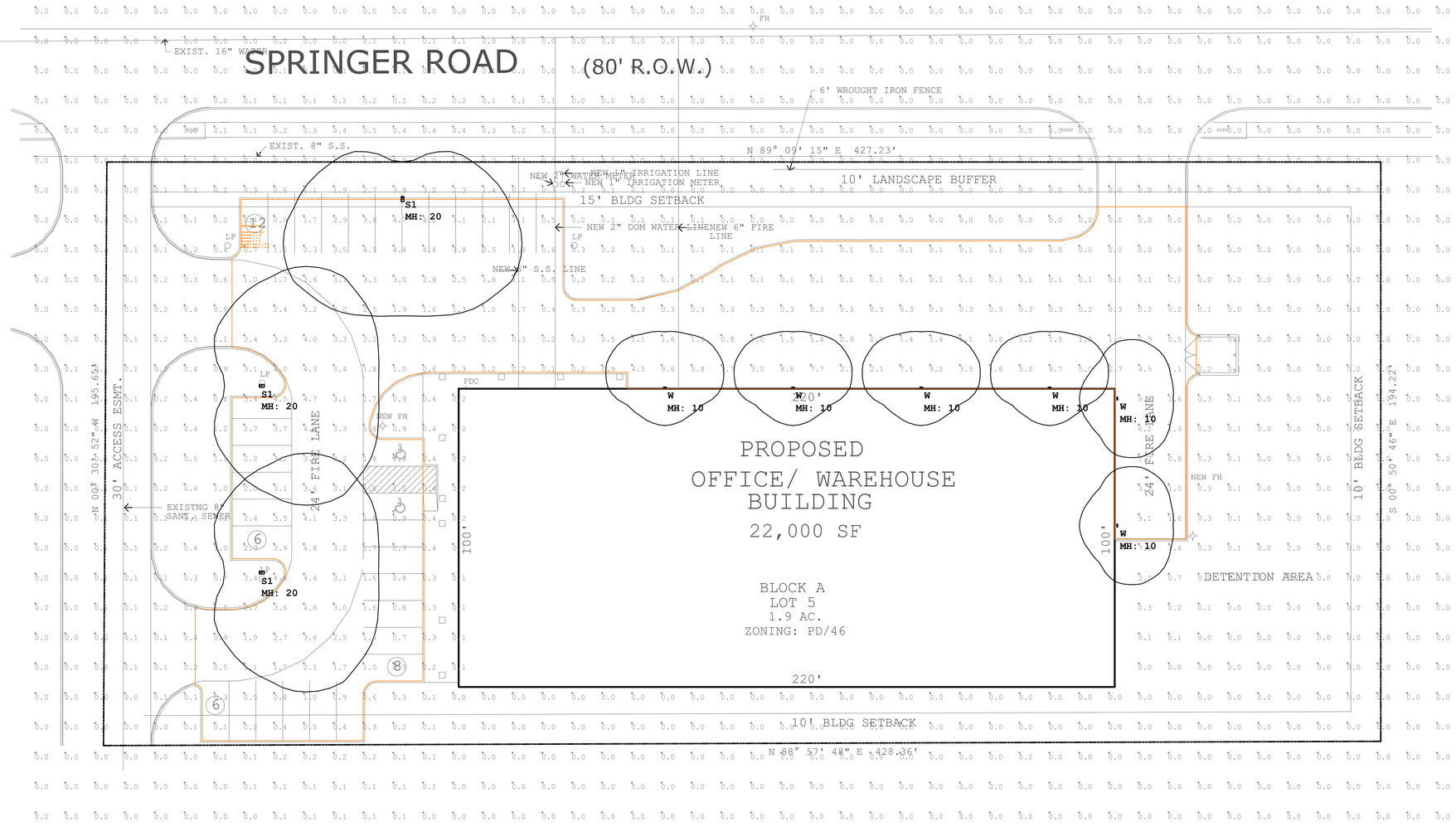
SHARP WAREHOUSE III
ROCKWALL, TEXAS

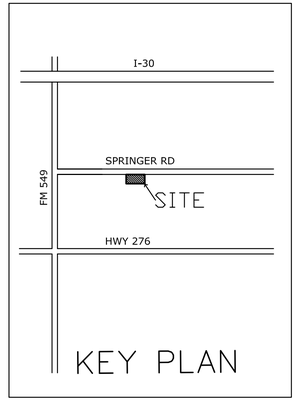
LANDSCAPE PLAN

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

SHEET L1 OF 2

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





Luminaire Schedule							
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Light Lost Factor	User Defined Factor
	S1	3	LITHONIA ESX1 LED P2 40K R3 VOLTAGE	13916	97.59	0.903	1.000
	W	6	LITHONIA WPX2 LED 40K Mvolt	5896	47.77	0.808	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
PARKING+DRIVE		Fc	1.84	9.8	0.0	N.A.

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

0 10 20 40
SCALE IN FEET

NORTH

OWNER
SHARP INSULATION
2578 HWY 276
ROCKWALL, TEXAS 75032
214-392-0689

CASE #SP2021-

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RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By

SHARP WAREHOUSE III
ROCKWALL, TEXAS

PHOTOMETRIC SITE PLAN

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

SHEET PH1 OF 1

LITHONIA LIGHTING®

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-metalic 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.

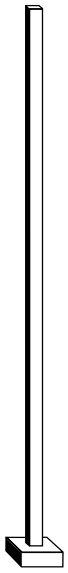
FINISH – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, 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 for additional information.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

Buy American

See footnotes next page.

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

SSS						
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[1]**	**Mounting[2]**		**Options**	**Finish[10]**
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.)	Tenon mounting 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) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] 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° CSX/DSX/RSX/AERIS™/OMERO™/ HLA/KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	AERIS™ Suspend drill mounting[3,4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting[3,4] DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed 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)[5,6] FDLxy Festoon outlet less electrical[5] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,7] MAEX Match existing[8] BAA Buy America(n) Act Compliant IC Interior coating[10] UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) Shipped separately (replacement kit available) (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	Standard colors DDBXD Dark bronze DWHXD White DBLXD Black DMBXD Medium bronze DNAXD Natural aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Architectural Colors and Special Finishes[11] Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. 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.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST**2**.
5. 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
6. 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 HAxyy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

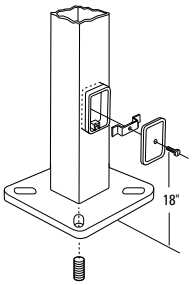
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SSS Square Straight Steel Poles

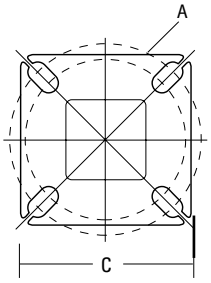
TECHNICAL INFORMATION — EPA (ft2) with 1.3 gust													
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft^2) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 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

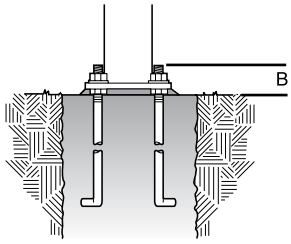
* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

BASE DETAIL

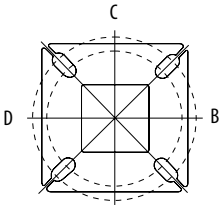


POLE DATA								
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C	3/4"x18"x3"
4"G	8" – 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



Handhole

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.

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ESX1 LED
Area Luminaire

Catalog Number

Notes

Type

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

Specifications

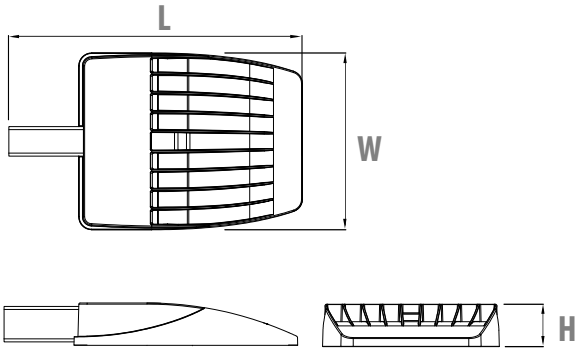
EPA 0.40 ft² (0.04 m²)

Length: 19.9" (50.5 cm)

Width: 12" (30.5 cm)

Height: 2.9" (7.4 cm)

Weight: 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					
4000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 40K R3 MVOLT UPA BLS DDBXD M2	*269PG3	00194994838302
400W	**ESX1 LED P4**	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
5000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 50K R3 MVOLT UPA BLS DDBXD M2	*269PGY	00194994838555
400W	**ESX1 LED P4**	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.

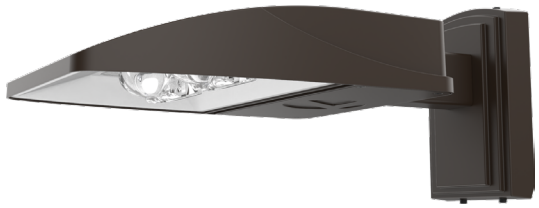
Accessories: *Order as separate catalog number.*

Catalog Number	Description	CI Code	UPC
ESXWBA DDBXD U	ESX WBA wall bracket, dark bronze finish	*270S5T	00194995092826

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

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Accessories

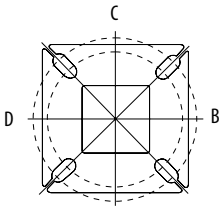


Wall Bracket (WBA)

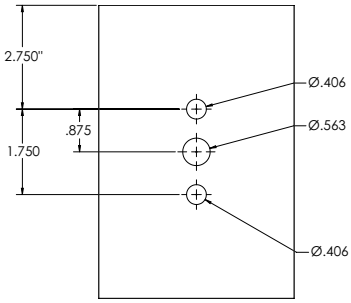
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters 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

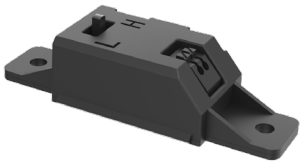
Drill/Side Location by Configuration Type

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



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

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.

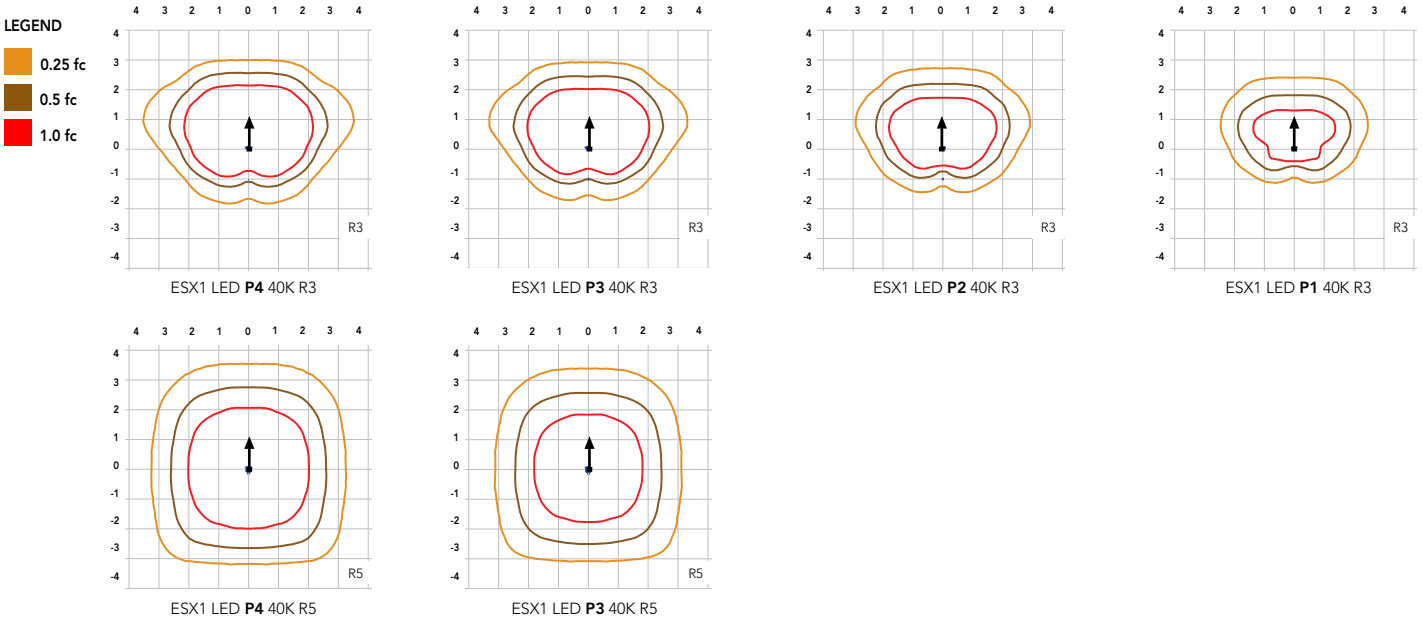


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Photometric Diagrams

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').



ESX1 LED **P4** 40K R3

ESX1 LED **P3** 40K R3

ESX1 LED **P2** 40K R3

ESX1 LED **P1** 40K R3

ESX1 LED **P4** 40K R5

ESX1 LED **P3** 40K R5

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

		Current (A)					
Performance Package	System Watts (W)	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).

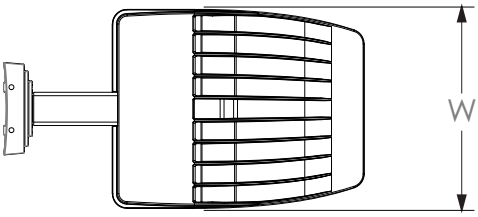
To calculate LLF, use the lumen maintenance factor that corresponds to the luminaire performance package below. For other lumen maintenance values, contact factory.

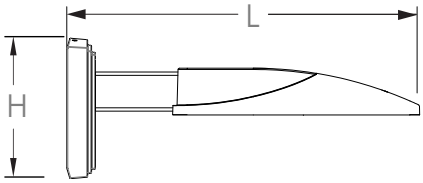
Performace Package	TM-21 Percent Lumen Maintenance at 60,000 hrs
P1 / P2	89%
P3	88%
P4	87%

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Dimensions

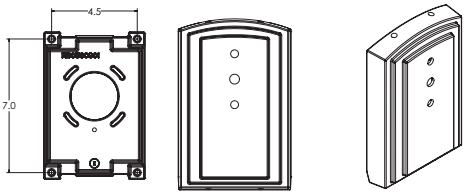
ESX1 with Wall Bracket (WBA)





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 warrantied 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 to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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

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WPX LED
Wall Packs

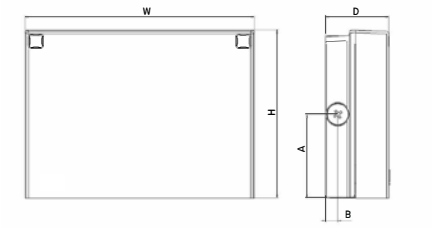
Catalog Number

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 [1]	30K	3000K	MVOLT	120V - 277V	(blank)	None	DDBXD	Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K	4000K	347	347V [3]	E4WH	Emergency battery backup, CEC compliant (4W, 0°C min) [2]	DWHXD	White
WPX2 LED	6,000 Lumens, 47W	50K	5000K			E14WC	Emergency battery backup, CEC compliant (14W, -20°C min) [2]	DBLXD	Black
WPX3 LED	9,200 Lumens, 69W					PE	Photocell [3]	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

1. 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
2. Battery pack options only available on WPX1 and WPX2.
3. 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 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.

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.

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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

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

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

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 **E4WH** DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT **E14WC** DDBXD

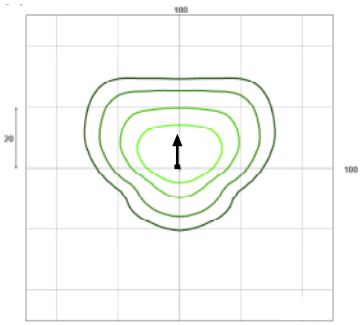
Photometric Diagrams

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

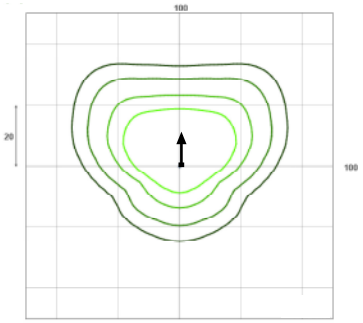
LEGEND

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

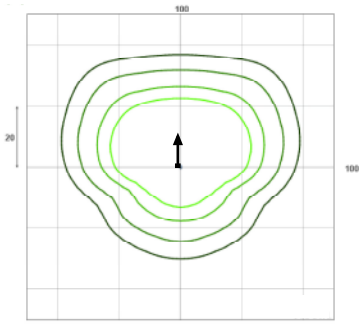
WPX1 LED P1



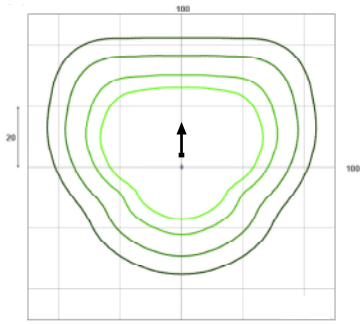
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

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MERSHAWN
ARCHITECTS

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.

PROJECT COMMENTS

CITY OF ROCKWALL
385 S. GOLIAD STREET
ROCKWALL, TEXAS 75087
PHONE: (972) 771-7700

DATE: 7/22/2021

PROJECT NUMBER:	SP2021-015	CASE MANAGER:	David Gonzales
PROJECT NAME:	Site Plan for Sharp Warehouse III	CASE MANAGER PHONE:	(972) 772-6488
SITE ADDRESS/LOCATIONS:	3301 SPRINGER RD	CASE MANAGER EMAIL:	dgonzales@rockwall.com

CASE CAPTION: Discuss and consider a request by Greg Wallis of Mershawn Architects on behalf of Kris Sharp for the approval of a Site Plan for a warehouse/office building on a 1.914-acre parcel of land identified as Lot 5, Block A, Sharp Addition, City of Rockwall, Rockwall County, Texas, zoned Planned Development District 46 (PD-46) for Commercial (C) District land uses, generally located on the southside of Springer Road west of the intersection of Springer Road and Data Drive, and take any action necessary.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PLANNING	David Gonzales	07/22/2021	Needs Review

07/22/2021: SP2021-015; Site Plan for Sharp Warehouse III
Please address the following comments (M= Mandatory Comments; I = Informational Comments)

I.1 This is a request for the approval of a Site Plan for a warehouse/office building on a 1.914-acre parcel of land identified as Lot 5, Block A, Sharp Addition, City of Rockwall, Rockwall County, Texas, zoned Planned Development District 46 (PD-46) for Commercial (C) District land uses, generally located on the Southside of Springer Road west of the intersection of Springer Road and Data Drive.

I.2 For questions or comments concerning this case please contact David Gonzales in the Planning Department at (972) 772-6488 or email dgonzales@rockwall.com.

M.3 For reference, include the case number (SP2021-015) in the lower right-hand corner of all pages of all revised plan submittals. (§03.04.A, Art. 11, UDC)

I.4 This project is subject to all requirements stipulated by Planned Development District 46 (PD-46), the Unified Development Code (UDC) and the Development Standards of Article 05 that are applicable to the subject property.

M.5 All pages of the site plan (i.e. landscape & treescape plans) are required to have a signature block affixed to each plan for the Planning and Zoning Commission Chairman and the Director of Planning to sign once approved. (§03.04.A, Art. 11, UDC)

M.6 Correct signature block on all plans by changing the Year to 2021 or use a blank line. (§03.04.A, Art. 11, UDC)

I.7 Please note that the property will require a replat prior to the issuance of a building permit. Additionally, the site plan must be approved, all comments must be addressed prior to the approved site plan being signed by the Planning and Zoning Commission Chairman and the Director of Planning. Once signed, a copy of the approved/signed site plan will be forwarded to you. A copy of the signed site plan must be included upon submittal of the civil engineering plans.

I.8 Signage Plan. Please note that all plans for signage must be submitted and approved through a separate permit with the Building Inspections Department. Contact Craig Foshee, Plans Examiner at cfoshee@rockwall.com for permitting requirements for your proposed sign(s).

M.9 Site Plan. Please make the following clarifications on the site plan to ensure staff can properly review this project and convey all of the required elements to the City's boards and commissions (§01.02, Art. 11, UDC):

1) Provide Site Plan data table. (§01.02, Art. 11, UDC)
2) Delineate the proposed outer limits/dimensions of the detention pond. (§03.08(B), Art. 11, UDC)
3) Indicate and label the widths of all sidewalks existing and proposed for the site. (§03.04(B), Art. 11, UDC)
4) Indicate the street centerline for all existing streets. (§03.04(B), Art. 11, UDC)
5) All parking spaces and aisle dimensions shall conform to the off-street parking requirements in section 2.19 of the City's Standards of Design and Construction (Engineering Department).
6) Provide parking table indicating the total number of required parking spaces by use, the total number of required handicapped parking spaces and the total parking provided. (§05.01, Art. 06, UDC)
7) All buildings must be designed such that no roof mounted mechanical equipment, HVAC, or satellite dishes shall be visible from any direction. Dash in RTU's on building elevations, or are these ground mounted? (§01.05(C), Art. 05, UDC)
8) The proposed dumpster requires a self-latching gate. Indicate on plans. (§01.05.B, Art. 05, UDC)
9) Off-street loading docks must be screened from all public streets…and any parks and open space that abuts or is directly across a public street or alley from the subject property. The screening must be at least six (6) feet in height and shall be provided by using a masonry wall (excluding tilt wall or concrete masonry units [CMU] unless integral to the buildings design and otherwise approved by the Planning and Zoning Commission) and Canopy Trees on 20-foot centers. As an alternative, the Planning and Zoning Commission may approve a screening method in accordance with Subsection 05.02, Landscape Screening Standards, of Article 08, Landscape Standards. The applicant is requesting an alternative landscape screening method. (§01.05.A, Art. 05, UDC)
10) Based on the building footprint, an exception to the horizontal articulation standards will be required for the north, south, & east elevations. (§04.01.C.1, Art. 05, UDC)

M.10 Landscape Plan. Please make the following clarifications and changes to the landscape plan to ensure staff can properly review this project and convey all of the required elements to the City's boards and commissions (§01.02, Art. 11, UDC):

1) Provide a label indicating the required 10-ft landscape buffer. (§05.01, Art. 08, UDC)
2) Identify visibility triangles at all driveway intersections and public streets. (§01.08, Art. 05, UDC)

M.11 Treescape Plan. Plan is OK as submitted.

M.12 Photometric Plan. Please make the following clarifications and changes to the photometric plan to ensure staff can properly review this project and convey all of the required elements to the City's boards and commissions (§01.02, Art. 11, UDC):

1) No light pole, pole base or combination thereof shall exceed 30-feet. Cut sheet does not indicate height for proposed pole. Provide detail or indicate OAH not exceeding 30-ft. (§03.03, Art. 07, UDC)
2) The maximum allowable light intensity measured at the property line of any non-residentially zoned lot shall be 0.2 FC. Lighting levels exceed this requirement along the northwest corner property line adjacent to Springer Road. (§03.03, Art. 07, UDC)
3) Provide cut sheets for all exterior lighting fixtures.
4) Provide Site Plan data table. (§01.02, Art. 11, UDC)

M.13 Building Elevations. Please make the following clarifications and changes to the building elevations to ensure staff can properly review this project and convey all of the required elements to the City's boards and commissions (§01.02, Art. 11, UDC):

The following are located within the General Industrial District standards of Subsection 05.01, of Article 05, of the Unified Development Code (UDC):

1) An exception to the horizontal articulation standards as listed below.
2) All signage requires a separate permit as indicated above.
3) Projecting elements and parapets walls are to be finished on the interior using the same materials as the exterior façade (i.e. no exposed TPO). Indicate on plans.
4) Request for vertical walls in detention. This requires approval of a variance by the Planning and Zoning Commission.

Based on the building elevation submittal, staff has identified the following that require approval of exceptions to the Unified Development Code (UDC) for development within the Planned Development District 46 (PD-46):

1) Roof Design Standards. The proposed building does not meet the roof design standards by not finishing the interior side of the projecting elements and parapet walls with the same materials as the exterior as established by the UDC and requires approval of an exception for the use of exposed TPO. Required if not indicated on plans. (§04.01.A.1, Art. 05, UDC)
2) Building Articulation. The proposed building does not meet the articulation standards established by the UDC and requires approval of an exception. (§04.01.C, Art. 05, UDC)

An applicant may request the Planning and Zoning Commission grant an exception to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code (UDC) would create an undue hardship. The applicant will need to provide a letter stating the justification for each exception requested and indicate a minimum of two (2) compensatory measures for each that directly off-sets the impact of the exception being requested. Please also note that all of the requested exceptions require approval of a supermajority vote for approval. Refer to Section 09, of Article 11, of the UDC for examples of compensatory measures.

- If necessary, provided an updated letter of explanation which includes the Roof Design Standards exceptions, and the compensatory measures justifying the exceptions being requested for consideration.

I.14 Please note that failure to address all comments provided by staff by 3:00 PM on August 3, 2021 will result in the automatic denial of the case on the grounds of an incomplete submittal. No refund will be given for cases that are denied due to an incomplete submittal, and a new application and fee will be required to resubmit the case.

I.15 Please make all revisions and corrections, and provide any additional information that is requested by staff no later than August 3, 2021. It is encouraged for applicants to submit revisions as soon as possible to give staff ample time to review the case prior to the August 10, 2021 Planning & Zoning Meeting.

M.16 Please provide one (1) hard copy and a PDF/electronic version for a subsequent review by staff.

I.17 The Architectural Review Board (ARB) meeting will be held on July 27, 2021 and will begin at 5:00 p.m. in the City's Council Chambers. The ARB will provide comments or may forward a recommendation to the Planning and Zoning Commission.

I.18 Please note the scheduled meetings for this case:

1) Planning & Zoning Work Session meeting will be held on July 27, 2021.
2) Architectural Review Board (ARB) meeting will be held on July 27, 2021.

3) Planning & Zoning regular meeting will be held on August 10, 2021.
4) Architectural Review Board (ARB) meeting will be held on August 10, 2021 (if required).

I.19 All meetings will be held in person and in the City's Council Chambers. All meetings listed above are scheduled to begin at 5:00 p.m. (ARB) and 6:00 p.m. (P&Z). The City requires that a representative(s) be present for all meetings.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
ENGINEERING	Sarah Johnston	05/20/2021	Needs Review

05/20/2021: M - Fire Lane to be 24' min. face of curb to face of curb.
M - Only one use off a deadend line (domestic, irrigation, fire, etc.)

The following items are informational for the engineering plan review process.
General Items:
I - Must meet City Standards of Design and Construction
I - 4% Engineering Inspection Fees

I - Impact Fees
I - Minimum easement width is 20' for new easements. No structures allowed in easements.
I - Retaining walls 3' and over must be engineered.
I - All retaining walls must be rock or stone face. No smooth concrete walls.
I - Must plat the property.

Drainage Items:
I - Detention is required. No vertical walls allowed in detention easements
I - Detention outfall must be at sheet flow conditions when storm water crosses the property line.
I - Manning's C-value is per zoning type.
I - Dumpster areas to drain to oil/water separator and then to the storm lines.

Roadway Paving Items:
I - Parking to be 20'x9' facing the building or nose-to-nose.
I - No dead-end parking allowed.
I - Drive isles to be 24' wide.
I - Fire lane to have 20' min radius if buildings are less than 30' tall. If any of the buildings are 30' or more, the fire lane will be 30' radius minimum.
I - Fire lane to be in a platted easement.
I - Any street paving that is removed for tie-ins will require full panel concrete replacement.
I - Driveway radii to be 30' minimum.
I - Driveway radius must be at least 10' away from the curb inlets.
I - 5' wide sidewalk, 2' inside the ROW, along all frontage.

Water and Wastewater Items:
I - Show proposed utility lines (Water, Sewer, etc.)
I - Only one use allowed off a dead-end line (domestic, irrigation, fire hydrant, etc.)
I - Any water lines extended to supply fire protection and service must be a minimum of 8", looped, and must be in a 20' wide easement. (Meet City of Rockwall Standards of Design and Construction)
I - Springer Sewer Pro-Rata: $21/LF of frontage
I - Springer Road Pro-Rata: $11.47/LF of frontage
I - Sewer Pro-Rata: $1,917.72/acre of land.

Landscaping:
I - No trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger.
I - No trees to be with 5' of any public water, sewer, or storm line that is less than 10".

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
BUILDING	Rusty McDowell	05/18/2021	Approved

No Comments

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
FIRE	Ariana Kistner	05/18/2021	Needs Review

05/18/2021: A turning radius of 30-feet for buildings 30-feet or above in height is required for the fire lane.

Buildings or portions of buildings 30-feet or more in height above the lowest level of fire department vehicle access shall be provided with a fire lane a minimum of 15-feet to a maximum of 30-feet from the building and shall be positioned parallel to one entire side of the building.

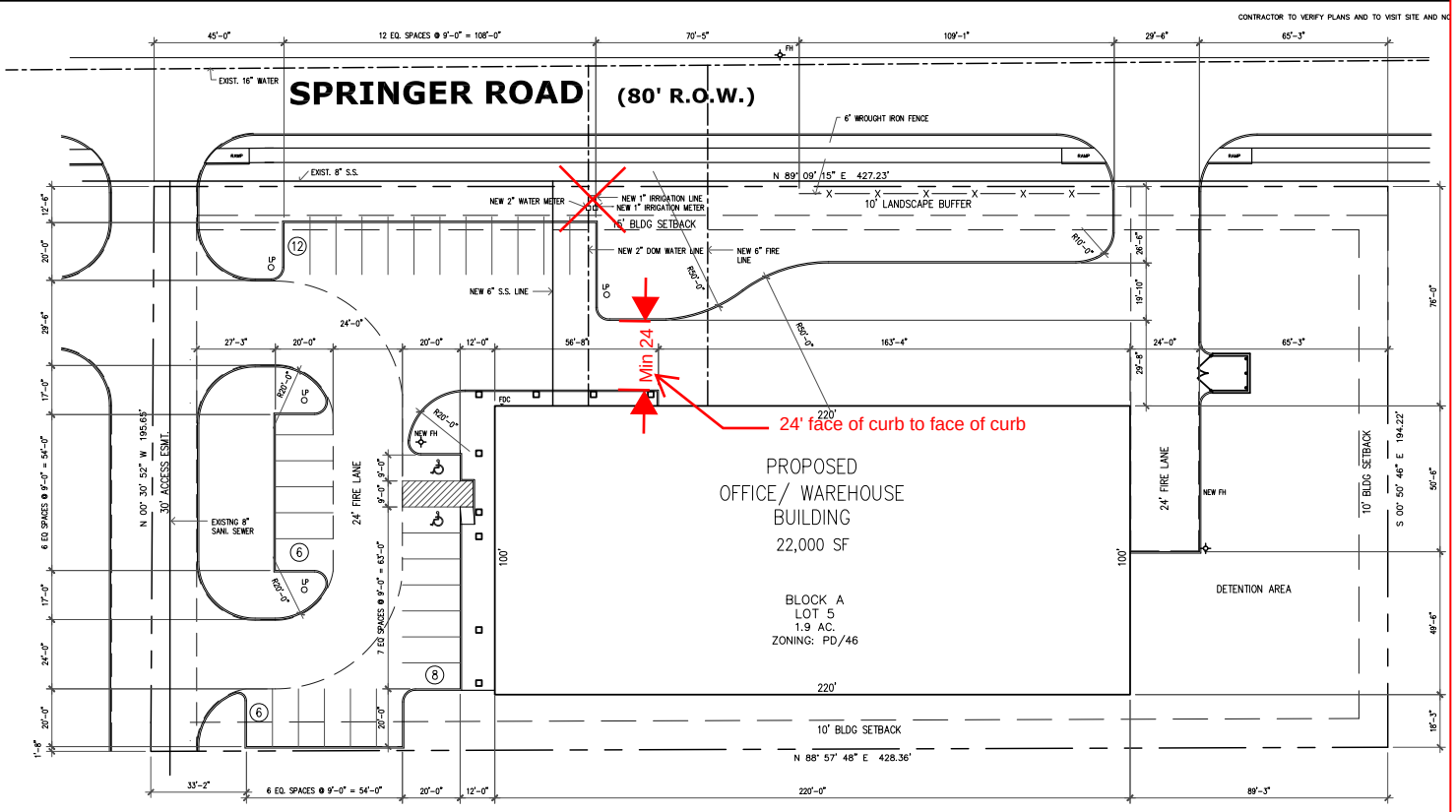
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT

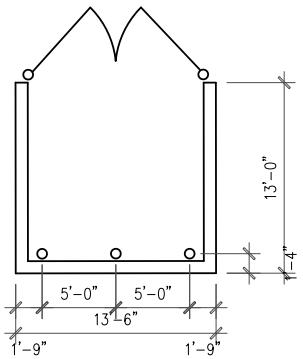
GIS	Lance Singleton	05/17/2021	Approved w/ Comments

05/17/2021: Assigned address will be 3301 SPRINGER RD, ROCKWALL, TX 75032

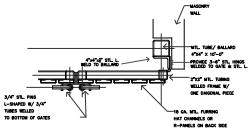
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PARKS	Travis Sales	05/17/2021	Approved

05/17/2021: No trees allowed within 5' of water and sewer lines that are 10" or less
No trees allowed within 10' of water and sewer lines that are 10" or greater
Landscape Plan approved
Tree Mitigation approved

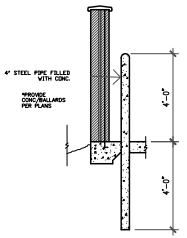




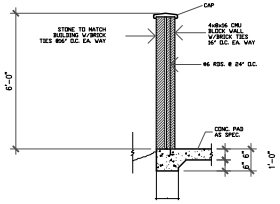
1 DUMPSTER PLAN
1/4" = 1'-0"



2 DETAIL@ BALLARD
NO SCALE



4 DETAIL@ BALLARD
NO SCALE



3 SECTION @ DUMPSTER WALL

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.

SITE PLAN SIGNATURE BLOCK

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, T
approved by the planning and zoning commission of the City of Rockwall on the _____

WITNESS OUR HANDS, this _____ day of _____, _____

_____ _____
Planning & Zoning Commission, Chairman Director of Planning and Zoning

OWNER
SHARP INSULATION

CASE #SP2021-

General Items:
I - Must meet City Standards of Design and Construction
I - 4% Engineering Inspection Fees
I - Impact Fees
I - Minimum easement width is 20' for new easements. No structures allowed in easements.
I - Retaining walls 3' and over must be engineered.
I - All retaining walls must be rock or stone face. No smooth concrete walls.
I - Must plat the property.

Drainage Items:
I - Detention is required. No vertical walls allowed in detention easements
I - Detention outfall must be at sheet flow conditions when storm water crosses the property line.
I - Manning's C-value is per zoning type.
I - Dumpster areas to drain to oil/water separator and then to the storm lines.

Roadway Paving Items:
I - Parking to be 20'x9' facing the building or nose-to-nose.
I - No dead-end parking allowed.
I - Drive isles to be 24' wide.
I - Fire lane to have 20' min radius if buildings are less than 30' tall. If any of the buildings are 30' or more, the fire lane will be 30' radius minimum.
I - Fire lane to be in a platted easement.
I - Any street paving that is removed for tie-ins will require full panel concrete replacement.
I - Driveway radii to be 30' minimum.
I - Driveway radius must be at least 10' away from the curb inlets.
I - 5' wide sidewalk, 2' inside the ROW, along all frontage.

Water and Wastewater Items:
I - Show proposed utility lines (Water, Sewer, etc.)
I - Only one use allowed off a dead-end line (domestic, irrigation, fire hydrant, etc.)
I - Any water lines extended to supply fire protection and service must be a minimum of 8", looped, and must be in a 20' wide easement. (Meet City of Rockwall Standards of Design and Construction)
I - Springer Sewer Pro-Rata: $21/LF of frontage
I - Springer Road Pro-Rata: $11.47/LF of frontage
I - Sewer Pro-Rata: $1,917.72/acre of land.

Landscaping:
I - No trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger.
I - No trees to be with 5' of any public water, sewer, or storm line that is less than 10".

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) [1]
- ☐ PRELIMINARY PLAT ($200.00 + $15.00 ACRE) [1]
- ☐ FINAL PLAT ($300.00 + $20.00 ACRE) [1]
- ☐ REPLAT ($300.00 + $20.00 ACRE) [1]
- ☐ AMENDING OR MINOR PLAT ($150.00)
- ☐ PLAT REINSTATEMENT REQUEST ($100.00)

SITE PLAN APPLICATION FEES:
- ☒ SITE PLAN ($250.00 + $20.00 ACRE) [1]
- ☐ AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN ($100.00)

ZONING APPLICATION FEES:
- ☐ ZONING CHANGE ($200.00 + $15.00 ACRE) [1]
- ☐ SPECIFIC USE PERMIT ($200.00 + $15.00 ACRE) [1]
- ☐ PD DEVELOPMENT PLANS ($200.00 + $15.00 ACRE) [1]

OTHER APPLICATION FEES:
- ☐ TREE REMOVAL ($75.00)
- ☐ VARIANCE REQUEST ($100.00)

NOTES:
[1]: 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				
SUBDIVISION	SHARP ADDITION	LOT	5	BLOCK	A
GENERAL LOCATION	SOUTH SIDE OF SPRINGER RD.				

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING	PD 46		CURRENT USE	VACANT	
PROPOSED ZONING	PD 46		PROPOSED USE	OFF/WHSE	
ACREAGE	1.91	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	SHARP INNOVATION	☒ APPLICANT	GREG WALCOX
CONTACT PERSON	KRIS SHARP	CONTACT PERSON	"
ADDRESS	2578 HWY 276	ADDRESS	1520 E. I-30
CITY, STATE & ZIP	ROCKWALL, TX 75032	CITY, STATE & ZIP	ROCKWALL, TX 75087
PHONE	214-192-0689	PHONE	817-235-9253
E-MAIL	kris@sharpinnovation.com	E-MAIL	MERRIMACRANCH@gmail.com

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 $_____, TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE _____ DAY OF _____, 20___. 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 15th *DAY OF* July, 2021.

NOTARY PUBLIC STATE OF TEXAS
MATTHEW MERSHAWN
Notary ID #128538894
My Commission Expires
March 3, 2023

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

MY COMMISSION EXPIRES 3-3-23

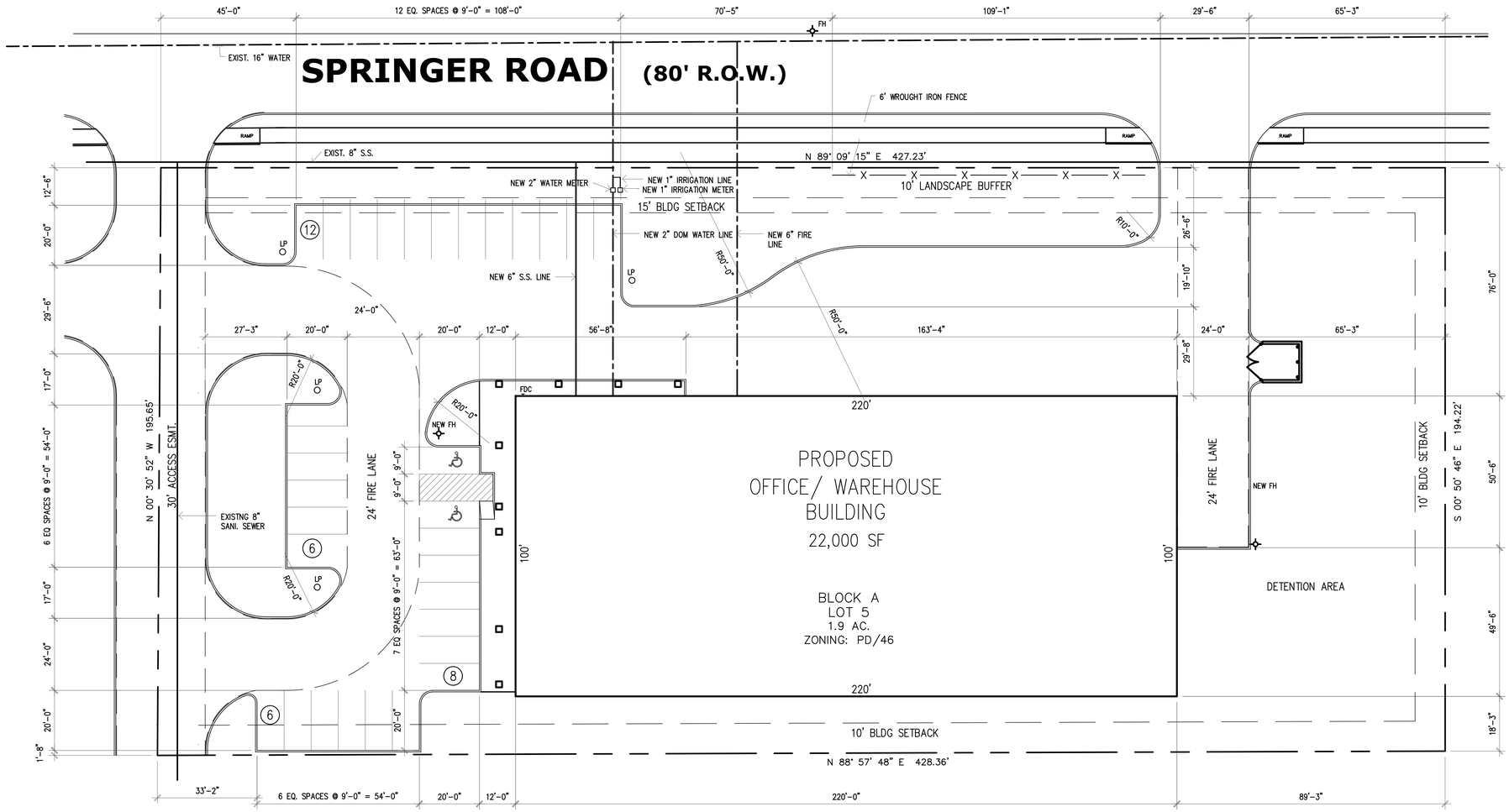


City of Rockwall

Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75032
(P): (972) 771-7745
(W): www.rockwall.com

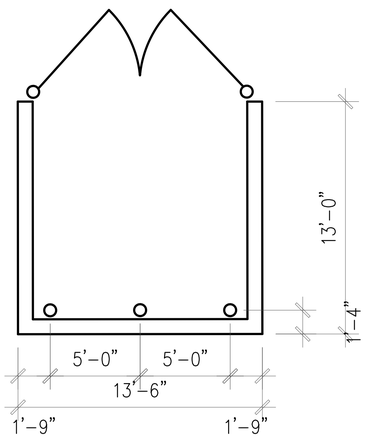
The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and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

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

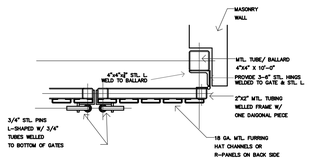


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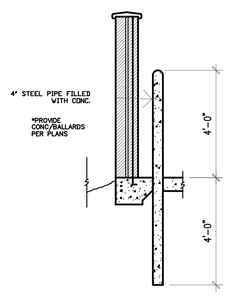
NORTH



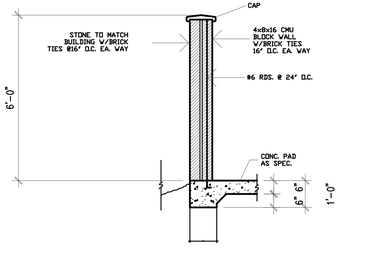
1 DUMPSTER PLAN
1/4" = 1'-0"



2 DETAIL@ BALLARD
NO SCALE



4 DETAIL@ BALLARD
NO SCALE



3 SECTION @ DUMPSTER WALL

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.

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
8578 HWY 276
ROCKWALL, TEXAS 75032
214-390-9689

CASE #SP2021-

PRICING & CONSTRUCTION GENERAL NOTES:

1. 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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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.

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MERSHAWN ARCHITECTS
RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By
1	10.3.19	rev per permit comments	
2	10.14.19	rev per TAS review	

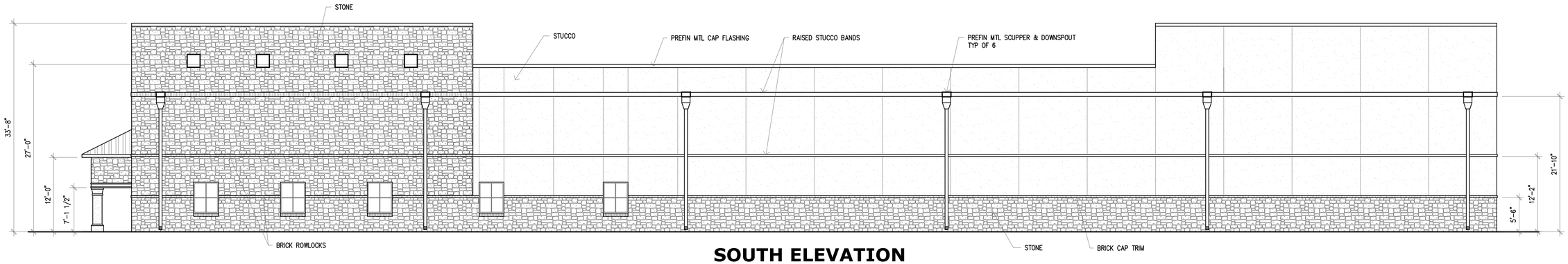
SHARP WAREHOUSE III
ROCKWALL, TEXAS

SITE PLAN

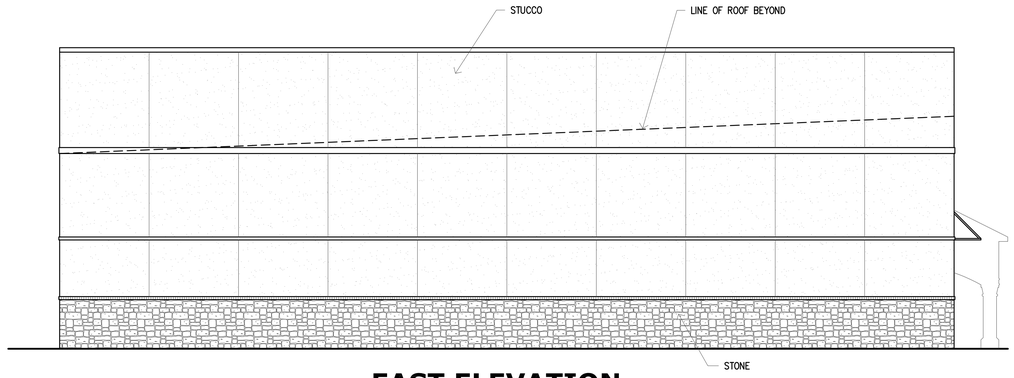
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Date:	02/01/2021
Project No.:	210106
Designed:	GW
Drawn:	GW
Checked:	WM

SHEET A1 OF

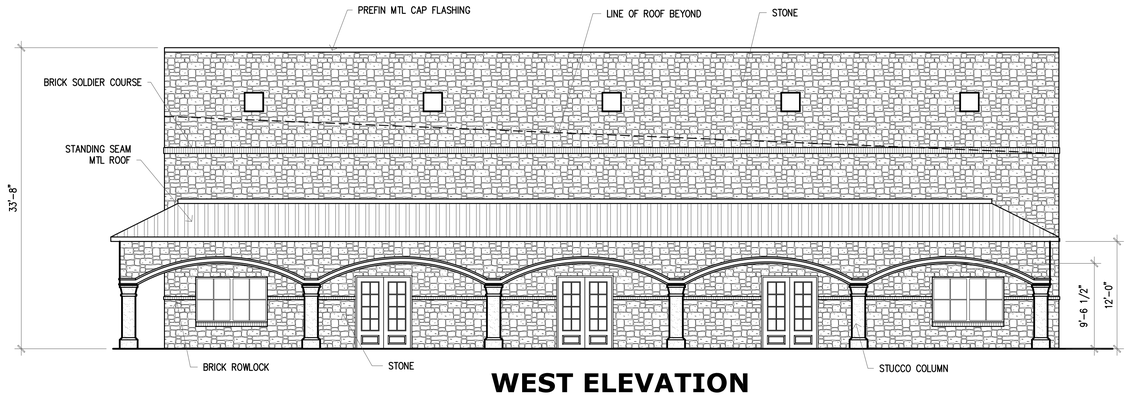
CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



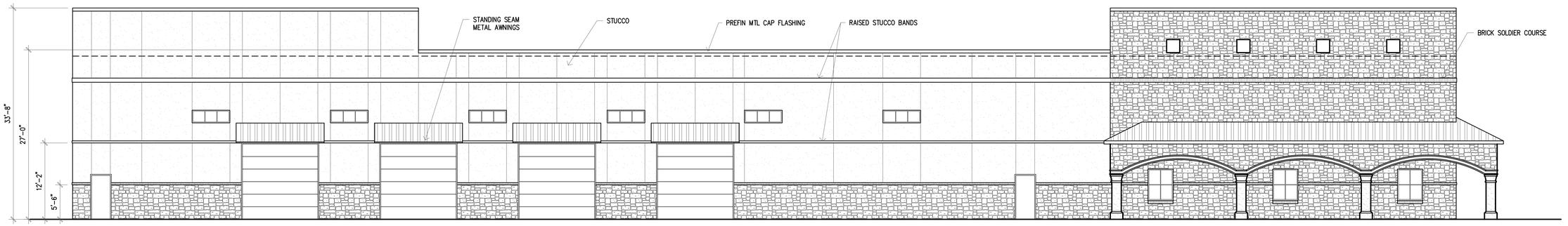
SOUTH ELEVATION
41% STONE 59% STUCCO



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

OWNER
SHARP INSULATION
3878 HWY 276
ROCKWALL, TEXAS 75032
214-390-9689

CASE #SP2021-000

PRICING & CONSTRUCTION

GENERAL NOTES:

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MERSHAWN ARCHITECTS
MEDICAL COMMERCIAL CHURCHES
RESIDENTIAL RESTAURANTS INSTITUTIONAL
1520 E. INTERSTATE 30
ROCKWALL, TEXAS 75087
PHONE: 469-745-1701

No.	Date	Revision	By

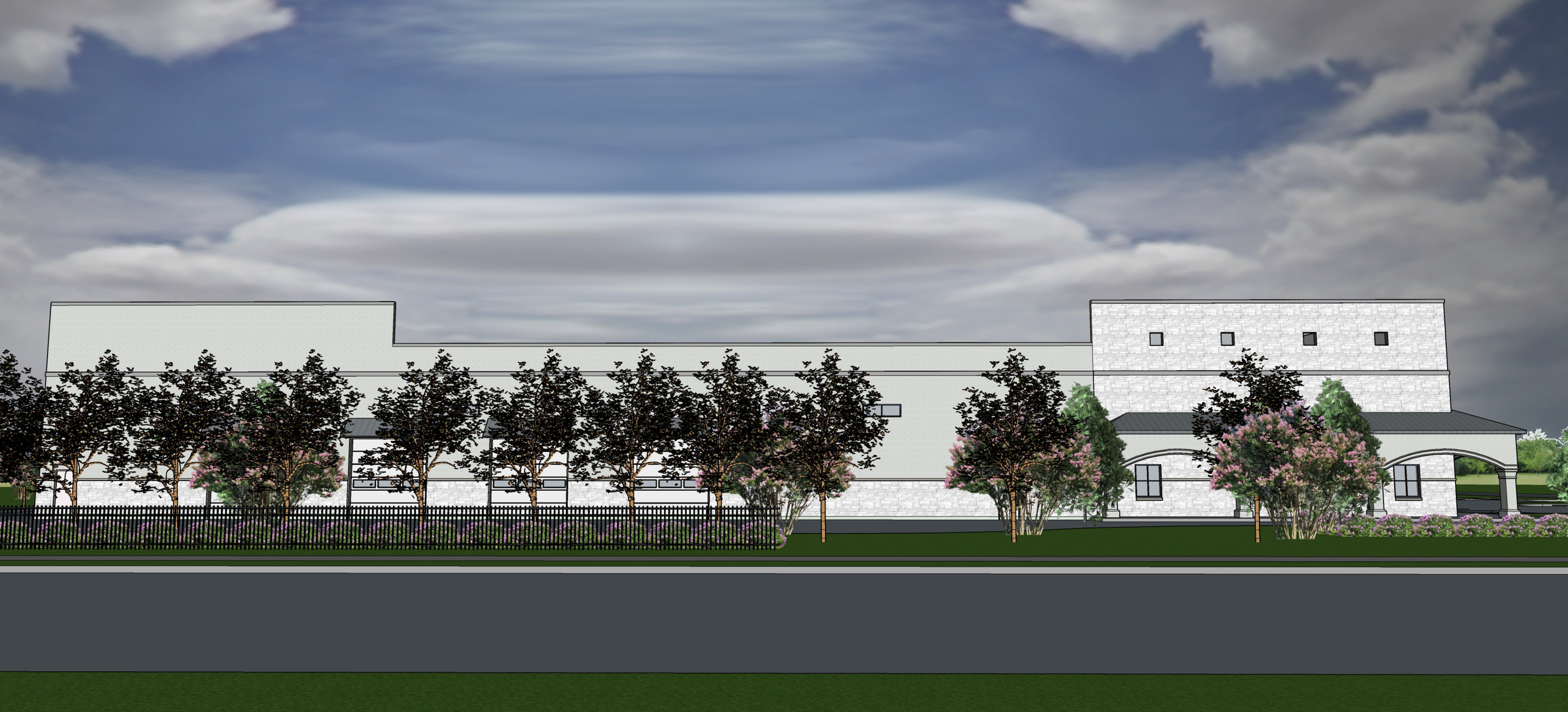
REGISTERED ARCHITECT GREG WALTOS 10486 STATE OF TEXAS

SHARP WAREHOUSE III
ROCKWALL, TEXAS

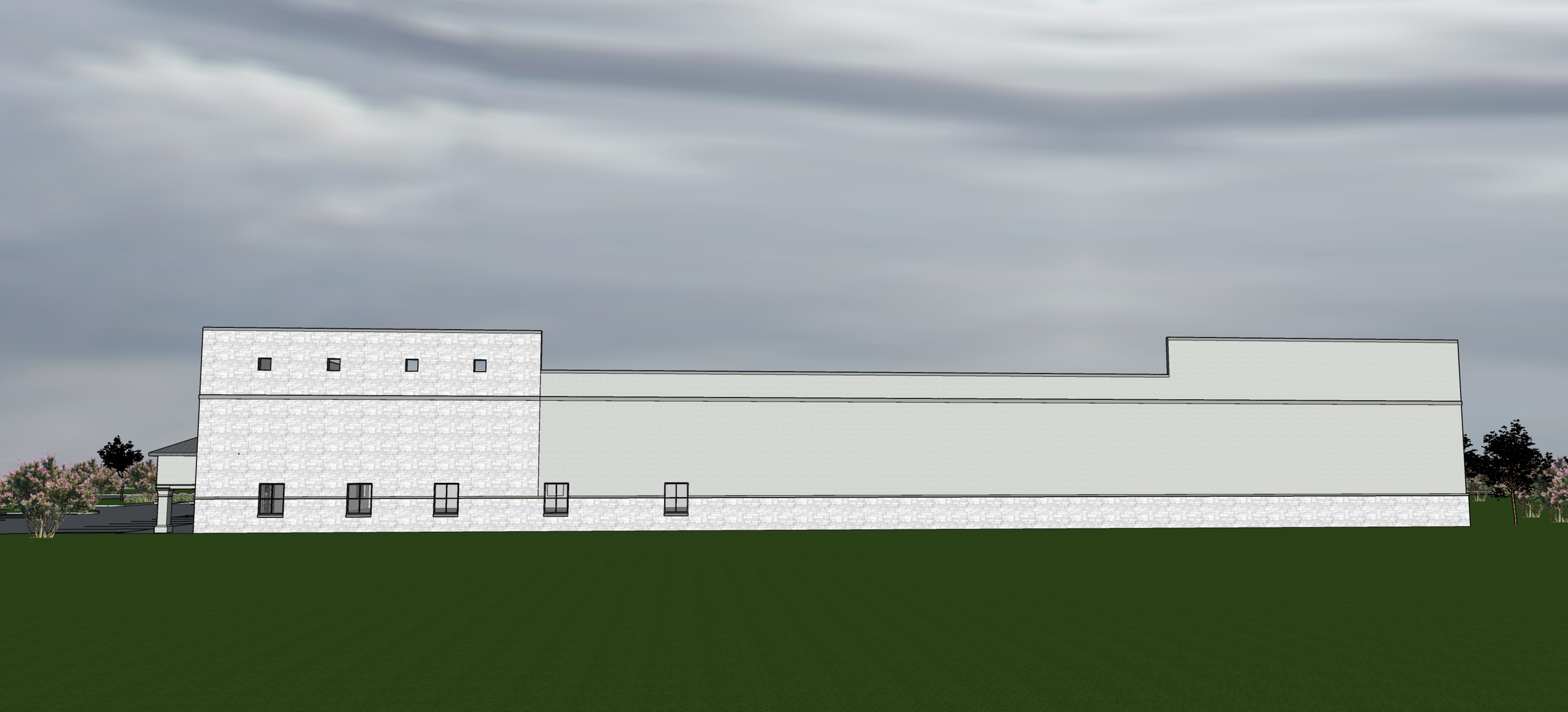
EXTERIOR ELEVATIONS

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

SHEET A4 OF







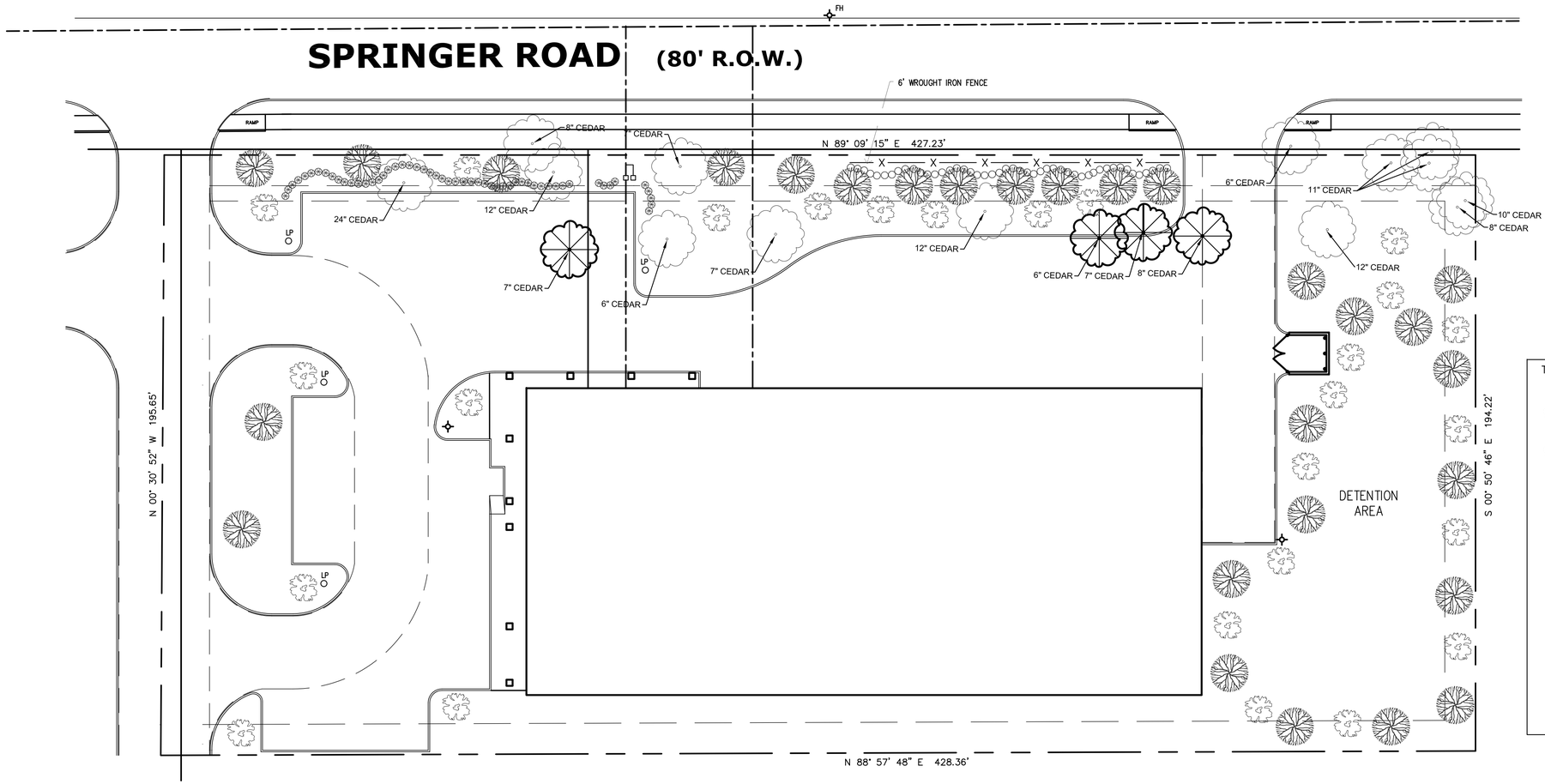








CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



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 MITAGATION PLAN FOR EXISTING TREES TO BE REMOVED

0 10 20 40
SCALE IN FEET

NORTH

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 $^{5463}/_{300}$ = 18 DISTRIBUTION $^{16537}/_{2000}$ = 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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CASE #SP2021–

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RESIDENTIAL RESTAURANTS
MEDICAL COMMERCIAL INSTITUTIONAL
CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972–722–9302
FAX : 972–249–2081

No.	Date	Revision	By

REGISTERED ARCHITECT GREG WALTS 10486 STATE OF TEXAS

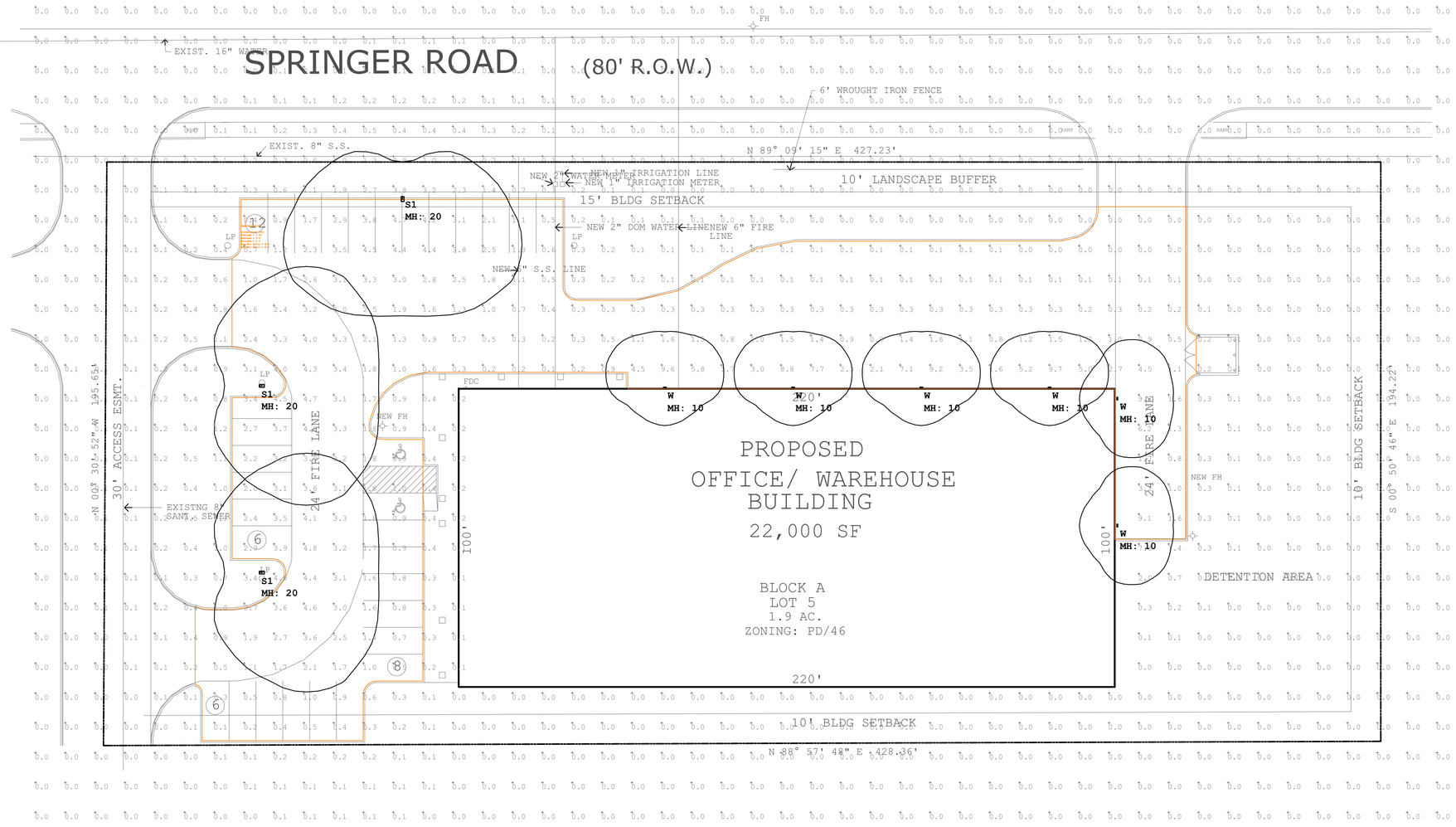
SHARP WAREHOUSE III
ROCKWALL, TEXAS

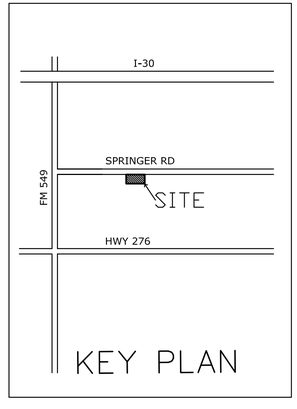
LANDSCAPE PLAN

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

SHEET L1 OF 2

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





Luminaire Schedule							
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Light Lost Factor	User Defined Factor
	S1	3	LITHONIA ESX1 LED P2 40K R3 VOLTAGE	13916	97.59	0.903	1.000
	W	6	LITHONIA WPX2 LED 40K Mvolt	5896	47.77	0.808	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
PARKING+DRIVE		Fc	1.84	9.8	0.0	N.A.

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

0 10 20 40
SCALE IN FEET

NORTH

OWNER
SHARP INSULATION
2578 HWY 276
ROCKWALL, TEXAS 75032
214-392-0689

CASE #SP2021-

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RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By

SHARP WAREHOUSE III
ROCKWALL, TEXAS

PHOTOMETRIC SITE PLAN

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

SHEET PH1 OF 1

LITHONIA LIGHTING®

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-metalic 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.

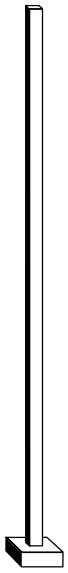
FINISH – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, 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 for additional information.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

Buy American

See footnotes next page.

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

SSS						
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[1]**	**Mounting[2]**		**Options**	**Finish[10]**
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.)	Tenon mounting 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) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] 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° CSX/DSX/RSX/AERIS™/OMERO™/ HLA/KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	AERIS™ Suspend drill mounting[3,4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting[3,4] DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed 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)[5,6] FDLxy Festoon outlet less electrical[5] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,7] MAEX Match existing[8] BAA Buy America(n) Act Compliant IC Interior coating[10] UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) Shipped separately (replacement kit available) (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	Standard colors DDBXD Dark bronze DWHXD White DBLXD Black DMBXD Medium bronze DNAXD Natural aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Architectural Colors and Special Finishes[11] Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. 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.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST**2**.
5. 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
6. 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 HAxyy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

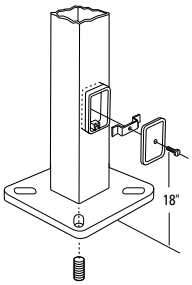
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SSS Square Straight Steel Poles

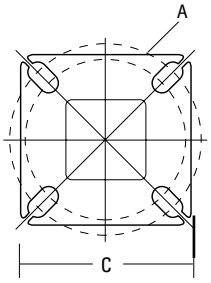
TECHNICAL INFORMATION — EPA (ft2) with 1.3 gust													
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft^2) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 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

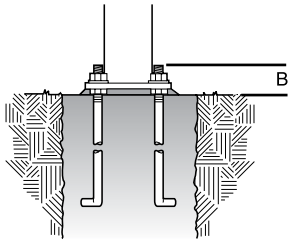
* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

BASE DETAIL

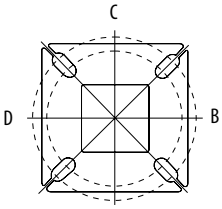


POLE DATA								
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C	3/4"x18"x3"
4"G	8" – 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



Handhole

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.

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ESX1 LED
Area Luminaire

Catalog Number

Notes

Type

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

Specifications

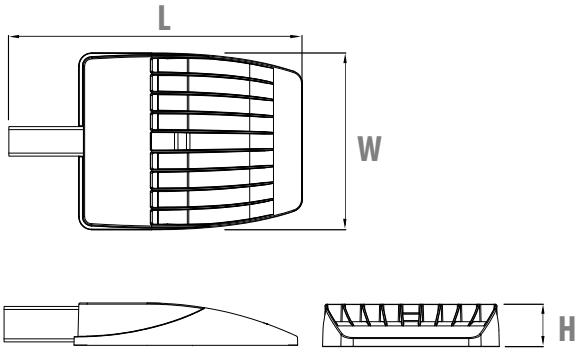
EPA 0.40 ft² (0.04 m²)

Length: 19.9" (50.5 cm)

Width: 12" (30.5 cm)

Height: 2.9" (7.4 cm)

Weight: 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					
4000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 40K R3 MVOLT UPA BLS DDBXD M2	*269PG3	00194994838302
400W	**ESX1 LED P4**	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
5000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 50K R3 MVOLT UPA BLS DDBXD M2	*269PGY	00194994838555
400W	**ESX1 LED P4**	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.

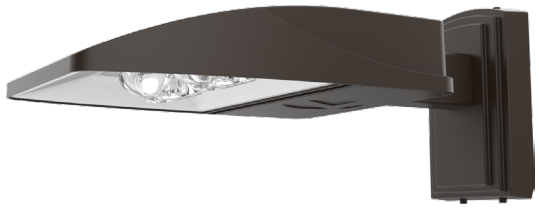
Accessories: *Order as separate catalog number.*

Catalog Number	Description	CI Code	UPC
ESXWBA DDBXD U	ESX WBA wall bracket, dark bronze finish	*270S5T	00194995092826

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

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.acuitybrands.com
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Accessories

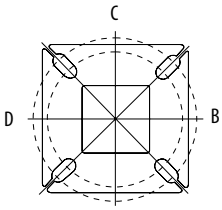


Wall Bracket (WBA)

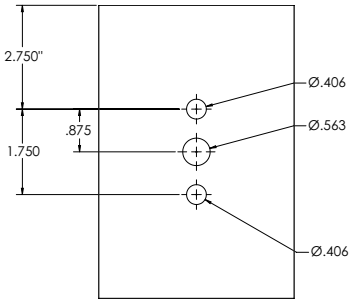
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters 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

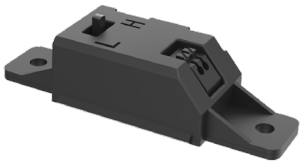
Drill/Side Location by Configuration Type

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



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

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.

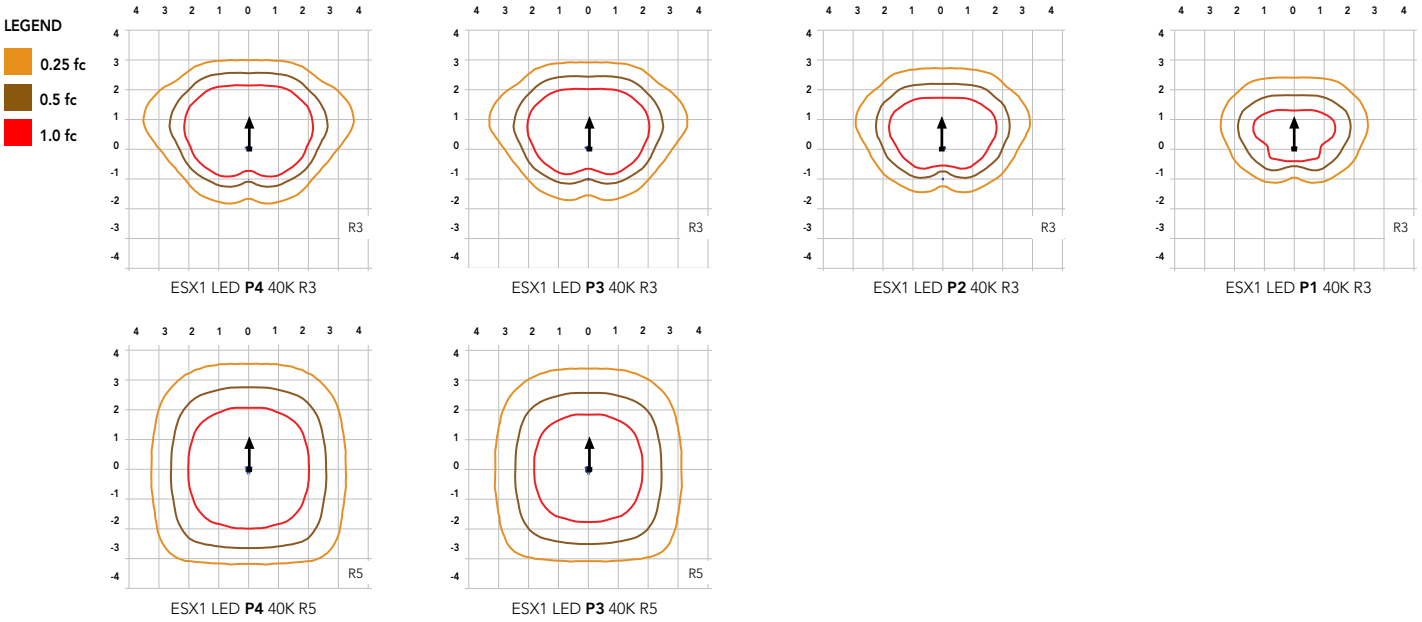


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Photometric Diagrams

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').



ESX1 LED **P4** 40K R3

ESX1 LED **P3** 40K R3

ESX1 LED **P2** 40K R3

ESX1 LED **P1** 40K R3

ESX1 LED **P4** 40K R5

ESX1 LED **P3** 40K R5

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

		Current (A)					
Performance Package	System Watts (W)	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).

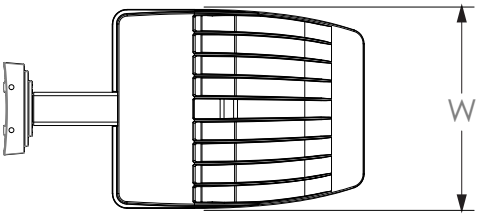
To calculate LLF, use the lumen maintenance factor that corresponds to the luminaire performance package below. For other lumen maintenance values, contact factory.

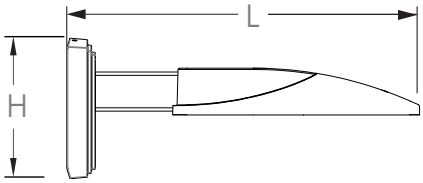
Performace Package	TM-21 Percent Lumen Maintenance at 60,000 hrs
P1 / P2	89%
P3	88%
P4	87%

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Dimensions

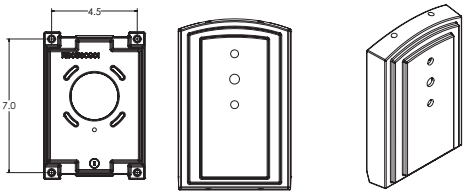
ESX1 with Wall Bracket (WBA)





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 warrantied 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 to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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

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WPX LED
Wall Packs

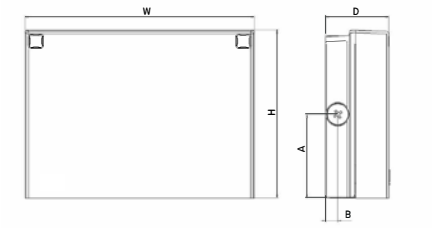
Catalog Number

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 [1]	30K	3000K	MVOLT	120V - 277V	(blank)	None	DDBXD	Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K	4000K	347	347V [3]	E4WH	Emergency battery backup, CEC compliant (4W, 0°C min) [2]	DWHXD	White
WPX2 LED	6,000 Lumens, 47W	50K	5000K			E14WC	Emergency battery backup, CEC compliant (14W, -20°C min) [2]	DBLXD	Black
WPX3 LED	9,200 Lumens, 69W					PE	Photocell [3]	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

1. 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
2. Battery pack options only available on WPX1 and WPX2.
3. 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 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.

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.

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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

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

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

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 **E4WH** DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT **E14WC** DDBXD

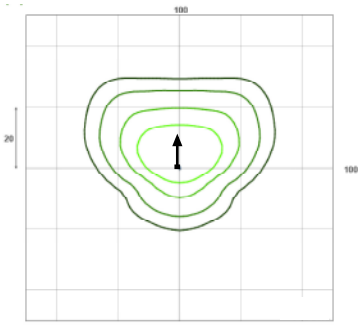
Photometric Diagrams

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

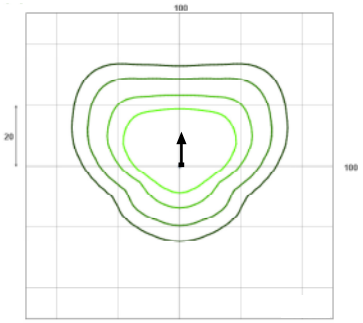
LEGEND

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

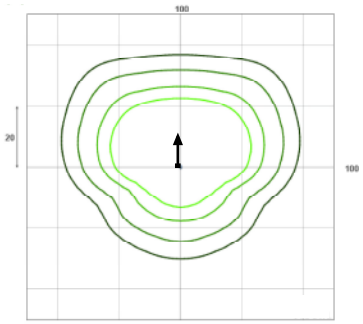
WPX1 LED P1



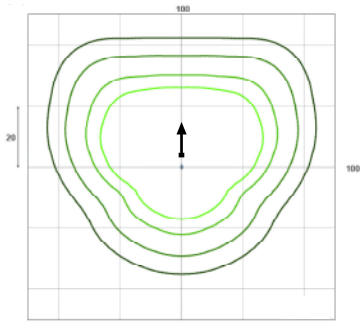
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

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MERSHAWN
ARCHITECTS

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.

CITY OF ROCKWALL

PLANNING AND ZONING COMMISSION CASE MEMO

PLANNING AND ZONING DEPARTMENT
385 S. GOLIAD STREET • ROCKWALL, TX 75087
PHONE: (972) 771-7745 • EMAIL: PLANNING@ROCKWALL.COM

TO:	Planning and Zoning Commission
DATE:	August 10, 2021
APPLICANT:	Greg Wallis; *Mershawn Architects*
CASE NUMBER:	SP2021-015; *Site Plan for a Warehouse/Office Building*

SUMMARY

Discuss and consider a request by Greg Wallis of Mershawn Architects on behalf of Kris Sharp for the approval of a *Site Plan* for a warehouse/office building on a 1.914-acre parcel of land identified as Lot 5, Block A, Sharp Addition, City of Rockwall, Rockwall County, Texas, zoned Planned Development District 46 (PD-46) for Commercial (C) District land uses, generally located on the south side of Springer Road west of the intersection of Springer Road and Data Drive, and take any action necessary.

BACKGROUND

The subject property was annexed -- *along with the rest of the land area that makes up Planned Development District 46 (PD-46)* -- by the City Council on July 21, 1997 by *Ordinance No. 97-14*. On March 1, 1999, the City Council approved a zoning change from an Agricultural (AG) District to Planning Development District 46 (PD-46) [*Ordinance No. 99-05*]. This zoning change assigned an underlying zoning of Commercial (C) District for the area, establishing a legally non-conforming land use for all properties within this Planned Development District (PD-46). On August 2, 2021, the City Council approved an amendment to Planned Development District 46 (PD-46) [*Ordinance No. 21-32*] allowing for the *Warehouse/Distribution Center* land on the subject property. Currently, the subject property is a vacant parcel of land.

PURPOSE

On July 16, 2021, the applicant -- *Greg Wallis of Mershawn Architects on behalf of Kris Sharp* -- submitted an application requesting approval of a site plan for the purpose of constructing an *Office/Warehouse* distribution facility on the subject property. The total square footage of the proposed structure will be ~ 12,000 SF.

ADJACENT LAND USES AND ACCESS

The subject property is located on the south side of Springer Road west of the intersection of Springer Road and Data Drive. The land uses adjacent to the subject property are as follows:

North: Directly north of the subject property is Springer Road, which is identified as a M4U (*i.e. major collector, four [4] lane, undivided roadway*) on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this is a 38.932-acre parcel of land (*i.e. Lot 2, Block B, Rockwall Technology Park, Phase III Addition*), which has a ~278,270 SF food manufacturing facility (*i.e. Bimbo Bakery*) situated on it.

South: Directly south of the subject property is a 3.212-acre parcel of land (*i.e. Lot 6, Block A, Sharp Addition*), which is currently occupied by a *Rental Store with Outside Storage/Display* (*i.e. Sunbelt Rental*). South of this land use is a 1.964-acre parcel of land (*i.e. Lot 1, Block A, Sharp Addition*), which is occupied by a *Warehouse/Retail* business (*i.e. VAC Parts Warehouse*). Both of these properties are zoned Planned Development District 46 (PD-46) for Commercial (C) District land uses. Beyond this is SH-276, which is identified as a TXDOT6D (*i.e. Texas Department of Transportation, six [6] lane, divided roadway*) on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan.

East: Directly east of the subject property is a 5.317-acre tract of land (*i.e. Tract 2-13 of the J. A. Ramsey Survey, Abstract No. 186*), which is currently occupied by a *Light Manufacturing/Fabrication* facility (*i.e. Lattimore Material Company*). Beyond this is a 7.571-acre parcel of land (*i.e. Lot 1, Block 1, Highway 276 Self-Storage*), which is currently occupied with a *Mini-Warehouse* facility (*i.e. Highway 276 Self-Storage*). Both of these properties are zoned Planned Development District 46 (PD-46) for Commercial (C) District land uses. Beyond this is the site of a municipal water tower for the City of Rockwall.

West: Directly west of the subject property is a 1.095-acre parcel of land (*i.e. Lot 4, Block A, Sharp Addition*), which is currently occupied with two (2) *Office/Warehouse* buildings. Beyond this is a 2.50-acre tract of land (*i.e. Tract 2-3 of the J. A. Ramsey Survey, Abstract No. 186*), which is currently occupied with an *Industrial* land use. West of this is a five (5) acre tract of land (*i.e. Tract 2-6 of the J. A. Ramsey Survey, Abstract No. 186*), that is currently occupied by a *Mini-Warehouse* facility (*i.e. The Storage Locker*). All of these properties are zoned Planned Development District 46 (PD-46) for Commercial (C) District land uses.

DENSITY AND DIMENSIONAL REQUIREMENTS

According to Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC), an *Office* use is a permitted *by-right* land use in a Commercial (C) District. The *Warehouse* land use is a permitted *by-right* land use on the subject property as indicated in Planned Development District 46 (PD-46) [*Ordinance No. 21-32*]. The subject will have has two (2) points of ingress and egress via Springer Road, which includes one (1) shared access drive with the adjacent property to the west (*i.e. Lot 4, Block A, Sharp Warehouse Addition*). The submitted site plan, landscape plan, treescape plan, photometric plan, and building elevations generally conform to the technical requirements contained within the Unified Development Code (UDC) for a property located within Planned Development District 46 (PD-46) and a Commercial (C) District. A summary of the density and dimensional requirements for the subject property are as follows:

Ordinance Provisions	*Zoning District Standards*	*Conformance to the Standards*
Minimum Lot Area	*10,000 SF*	*x>1.91-acres; In Conformance*
Minimum Lot Frontage	*60-Feet*	*x> 427-feet; In Conformance*
Minimum Lot Depth	*100-Feet*	*x>194-feet; In Conformance*
Minimum Front Yard Setback	*15-Feet*	*x>75-feet; In Conformance*
Minimum Rear Yard Setback	*10-Feet w/o FRW*	*x>20-feet; In Conformance*
Minimum Side Yard Setback	*10-Feet w/o FRW*	*x=65-feet; In Conformance*
Maximum Building Height	*60-Feet w/o SUP*	*x>33'8"; In Conformance*
Max Building/Lot Coverage	*60%*	*x<26.3%; In Conformance*
Minimum Masonry Requirement	*0% (PD-46)*	*x=100%; In Conformance*
Minimum Number of Parking Spaces	*1/300 SF of Office Space & 1/2,000 SF of Warehouse/Distribution – 24 Required*	*x=32; In Conformance*
Minimum Stone Requirement	*0% Natural or Quarried*	*x=42.7%; In Conformance*
Minimum Landscaping Percentage	*20%*	*x=38.1%; In Conformance*
Maximum Impervious Coverage	*85-90%*	*x<90%; In Conformance*

LANDSCAPE/TREESCAPE PLAN

The applicant's Treescape Plan indicates a total of 28-caliper inches of non-protected trees will be removed from the site (*i.e. four [4], Cedar trees less than 11-caliper inches each*). The applicant is providing 28, four [4] inch caliper Oak trees and 26, four [4]-foot tall Red Bud accent trees within the landscape buffer, the parking lot, detention pond, and screening the roll-up doors that face onto Springer Road. The landscaping provided will satisfy the required tree mitigation for this development.

CONFORMANCE WITH THE CITY'S CODES

The proposed site plan conforms to the standards of Planned Development District 46 (PD-46), the *General Commercial District Standards*, of Article 05, of the Unified Development Code (UDC), with the exception of the variances being requested as outlined in the *Variances and Exceptions Requested by the Applicant* section of this case memo.

VARIANCES AND EXCEPTIONS REQUESTED BY THE APPLICANT

Based on the information submitted by the applicant, staff has identified the following variances and exceptions to the requirements of the *General Commercial District Standards,* of Article 05, *District Development Standards*, of the Unified Development Code (UDC) and Section 3, *Storm Drainage Facilities*, of the Engineering Standards of Design and Construction Manual:

(1) *Building Articulation.*

(a) *Primary/Secondary Building Facade.* According to Subsection 04.01(C), *General Commercial District Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), all commercial buildings are required to meet the standards for articulation on primary and secondary building façades. In this case, the building does not meet the horizontal articulation standards for the north, south and east facing façades. On these façade the wall extends more than three (3) times the walls height without the providing a bump-out or a recessed architectural element.

(2) *Storm Drainage Facilities.*

(a) *Detention Easement.* According to Subsection 3.1, of Section 3, *Storm Drainage Facilities*, of the Engineering Standards of Design and Construction Manual, "(d)rainage facilities shall be designed and constructed at such locations and of such size and dimensions to adequately serve the development and the contributing drainage area upstream of the development." In this case, the applicant is requesting a variance to allow for vertical walls within the detention area; however, "(a) variance to allow retaining walls in a detention easement will require approval by the Planning and Zoning Commission with appeals being heard by the City Council."

According to Section 9, *Exceptions and Variances*, of Article 11, *Development Applications and Review Procedures*, of the Unified Development Code (UDC), and unless otherwise specified by the UDC, "(a)n applicant may request the Planning and Zoning Commission grant a variance to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code (UDC) would create an undue hardship. In cases where a variance or variances is/are being requested, the applicant shall provide compensatory measures that directly offset the requested variances."

In this case, the applicant has provided a letter explaining the variances and exceptions, and offering compensatory measures in the form of additional landscaping, increased architectural elements (*i.e. arched canopies and awnings*), masonry construction (*100% stone and stucco finishes*) and varied roof heights. Additionally, the applicant is indicating that the intent is to continue the architectural aesthetics established on the existing Sharp Warehouse facilities on the adjacent lot. The Planning and Zoning Commission is tasked with determining if the compensatory measures properly off-set the requested variances. This is a discretionary decision for the Planning and Zoning Commission, which requires approval by a super majority vote (*i.e. a three-fourths vote of those members present*), with a minimum of four (4) votes in the affirmative required for approval. In the event that the variance(s) are denied, the applicant has the ability to appeal the Planning and Zoning Commission's decision to the City Council by filing a written request with the Planning and Zoning Department. Staff should point out that the rules for prohibiting walls within detention ponds were established by the City Council after it was determined that these types of detention systems were not as aesthetically pleasing as a gradually sloping detention system.

CONFORMANCE WITH OURHOMETOWN VISION 2040 COMPREHENSIVE PLAN

According to the *Land Use Plan* contained in the OURHometown Vision 2040 Comprehensive Plan, the subject property is located within the *Technology District* and is designated for *Commercial/Retail* land uses on the Future Land Use Plan. The applicant's request appears to meet the intent of the OURHometown Vision 2040 Comprehensive Plan.

ARCHITECTURAL REVIEW BOARD (ARB) RECOMMENDATION

On July 27, 2021, the Architectural Review Board (ARB) did not have a quorum with Board Members Quint Avenetti, Lindsay Mitchell, Julian Meyrat, Robert Miller, and Ashiel Neill absent. The Architectural Review Board will review the revisions made by the applicant at the *August 10, 2021* meeting and forward a recommendation to the Planning and Zoning Commission.

CONDITIONS OF APPROVAL

If the Planning and Zoning Commission chooses to approve the applicant's *Site Plan* for an *Office/Warehouse* facility on the subject property, then staff would propose the following conditions of approval:

(1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans.

(2) Any construction resulting from the approval of this *Site Plan* shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

PROJECT COMMENTS

CITY OF ROCKWALL
385 S. GOLIAD STREET
ROCKWALL, TEXAS 75087
PHONE: (972) 771-7700

DATE: 8/5/2021

PROJECT NUMBER:	SP2021-015	CASE MANAGER:	David Gonzales
PROJECT NAME:	Site Plan for Sharp Warehouse III	CASE MANAGER PHONE:	(972) 772-6488
SITE ADDRESS/LOCATIONS:	3301 SPRINGER RD	CASE MANAGER EMAIL:	dgonzales@rockwall.com

CASE CAPTION: Discuss and consider a request by Greg Wallis of Mershawn Architects on behalf of Kris Sharp for the approval of a Site Plan for a warehouse/office building on a 1.914-acre parcel of land identified as Lot 5, Block A, Sharp Addition, City of Rockwall, Rockwall County, Texas, zoned Planned Development District 46 (PD-46) for Commercial (C) District land uses, generally located on the southside of Springer Road west of the intersection of Springer Road and Data Drive, and take any action necessary.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
ENGINEERING	Sarah Johnston	08/04/2021	Needs Review

08/04/2021: M - trees must be 5' away from public utility lines.
M - Dumpster area must drain to an oil/water separator and then to the storm lines.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
BUILDING	David Gonzales	08/05/2021	N/A

No Comments

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
FIRE	Ariana Kistner	08/04/2021	Needs Review

08/04/2021: Buildings or portions of buildings 30-feet or more in height above the lowest level of fire department vehicle access shall be provided with a fire lane a minimum of 15-feet to a maximum of 30-feet from the building and shall be positioned parallel to one entire side of the building.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
GIS	Lance Singleton	08/02/2021	Approved

No Comments

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
POLICE	David Gonzales	08/05/2021	N/A

No Comments

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PARKS	David Gonzales	08/05/2021	N/A

No Comments

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PLANNING	David Gonzales	08/05/2021	Approved w/Condition

08/05/2021: SP2021-015; Site Plan for Sharp Warehouse III
Please address the following comments (M= Mandatory Comments; I = Informational Comments)

I.1 For questions or comments concerning this case please contact David Gonzales in the Planning Department at (972) 772-6488 or email dgonzales@rockwall.com.

M.2 Site Plan. Please make the following clarifications on the site plan for a subsequent review. (§01.02, Art. 11, UDC):
1) Dash in RTU's on building elevations, or are these ground mounted? Will there be AC units for this facility? (§01.05(C), Art. 05, UDC)
2) The proposed dumpster requires a self-latching gate. Indicate on plans. (§01.05.B, Art. 05, UDC)
3) The applicant is requesting an alternative landscape screening method in order to screen the overhead doors. (§01.05.A, Art. 05, UDC)
4) Based on the building footprint, an exception to the horizontal articulation standards will be required for the north, south, & east elevations. (§04.01.C.1, Art. 05, UDC)

M.3 Photometric Plan. Please make the following clarifications and changes to the photometric plan to ensure staff can properly review this project and convey all of the required elements to the City's boards and commissions (§01.02, Art. 11, UDC):

1) No light pole, pole base or combination thereof shall exceed 30-feet. Cut sheet does not indicate height for proposed pole. Provide detail or indicate OAH not exceeding 30-ft. (§03.03, Art. 07, UDC)

M.4 Building Elevations. Please make the following clarifications and changes to the building elevations. (§01.02, Art. 11, UDC):

The following are located within the General Industrial District standards of Subsection 05.01, of Article 05, of the Unified Development Code (UDC):

1) An exception to the horizontal articulation standards as listed below.
2) Request for vertical walls in detention. This requires approval of a variance by the Planning and Zoning Commission.

Based on the building elevation submittal, staff has identified the following that require approval of exceptions to the Unified Development Code (UDC) for development within the Planned Development District 46 (PD-46):

1) Building Articulation. The proposed building does not meet the articulation standards established by the UDC and requires approval of an exception. (§04.01.C, Art. 05, UDC)

An applicant may request the Planning and Zoning Commission grant an exception to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code (UDC) would create an undue hardship. Please also note that all of the requested exceptions require approval of a supermajority vote for approval. Refer to Section 09, of Article 11, of the UDC for examples of compensatory measures.

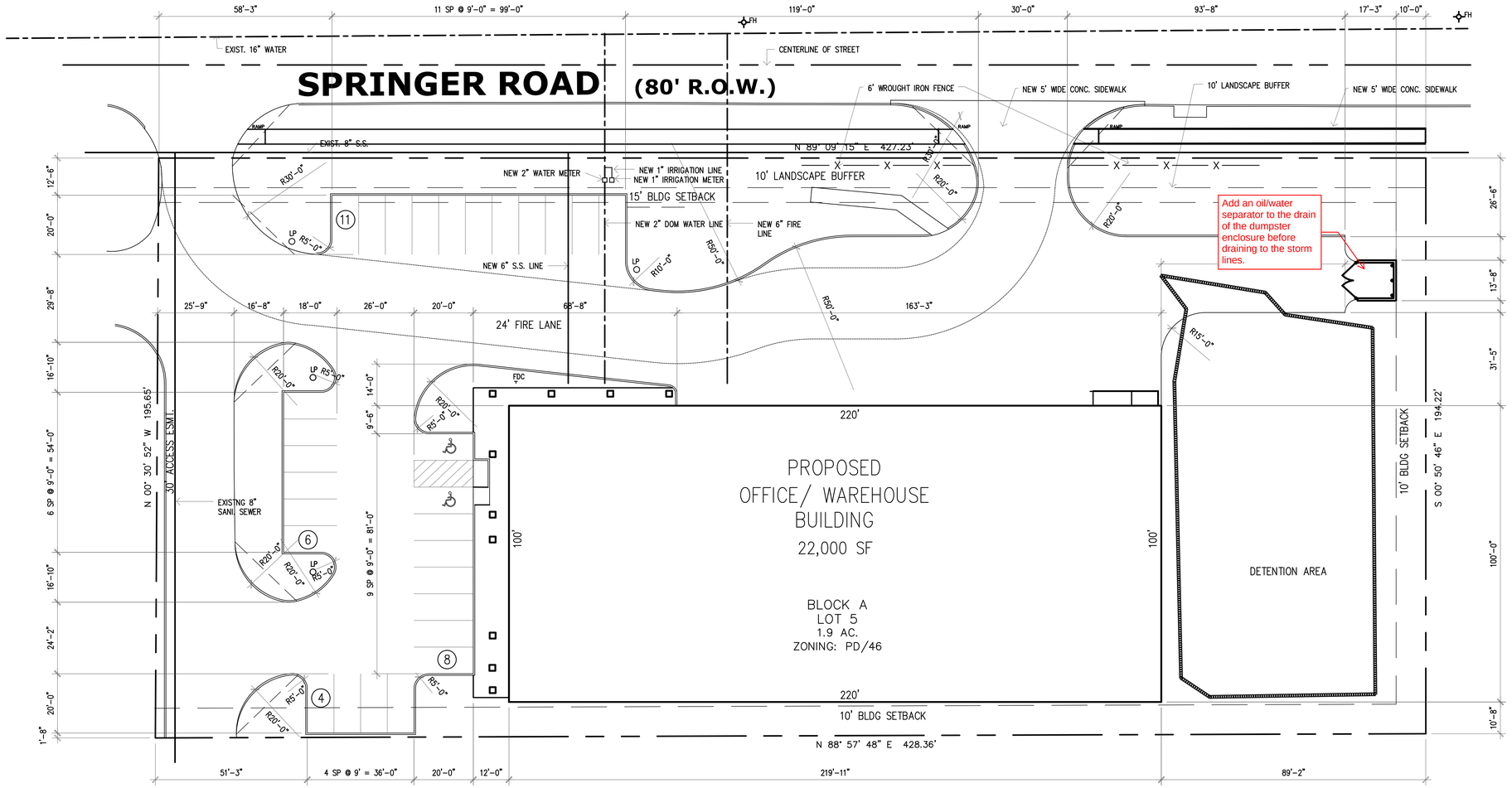
M.5 Please provide one (1) hard copy and a PDF/electronic version for a subsequent review by staff.

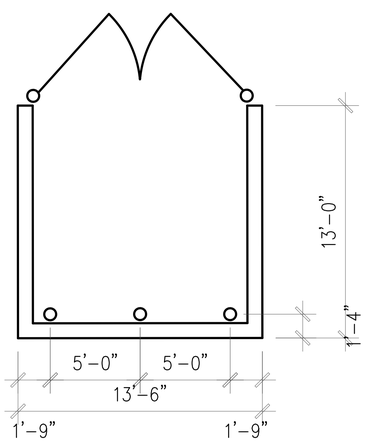
I.6 Please note the scheduled meetings for this case:

1) Planning & Zoning regular meeting will be held on August 10, 2021.
2) Architectural Review Board (ARB) meeting will be held on August 10, 2021 (if required).

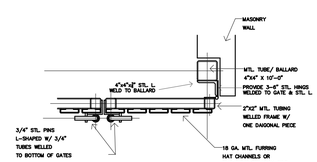
I.7 All meetings will be held in person and in the City's Council Chambers. All meetings listed above are scheduled to begin at 5:00 p.m. (ARB) and 6:00 p.m. (P&Z). The City requires that a representative(s) be present for all meetings.

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

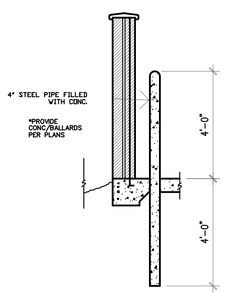




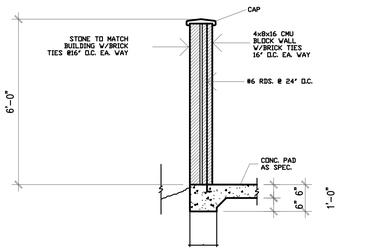
1 DUMPSTER PLAN
1/4" = 1'-0"



2 DETAIL@ BALLARD
NO SCALE



4 DETAIL@ BALLARD
NO SCALE



3 SECTION @ DUMPSTER WALL

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.

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 $^{5463}/_{300}$ = 18 DISTRIBUTION $^{16537}/_{2000}$ = 8
8. HANDICAP REQUIRED 2 ACCESSIBLE IN 25–50 SPACES 2 PROVIDED
9. TOTAL PARKING PROVIDED: 29 SPACES
10. TOTAL SQUARE FOOTAGE OF IMPERVIOUS SURFACE: 51,574 SF
11. 15% LANDSCAPE REQUIRED = 12,509 SF PROVIDED 31,816 SF

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 _____, 2021.

WITNESS OUR HANDS, this _____ day of _____, _____

_____ Planning & Zoning Commission, Chairman

_____ Director of Planning and Zoning

0 10 20 40
SCALE IN FEET

NORTH

PRICING & CONSTRUCTION GENERAL NOTES:

1. 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.
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 ATTENTIONS OF THE ARCHITECT (IN WRITING) BEFORE BIDDING THIS PROJECT.
4. AFTER BIDS ARE TURNED 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
2578 HWY 276
ROCKWALL, TEXAS 75032
214-392-0689

CASE #SP2021-015

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MERSHAWN ARCHITECTS
RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Revision	Date	By

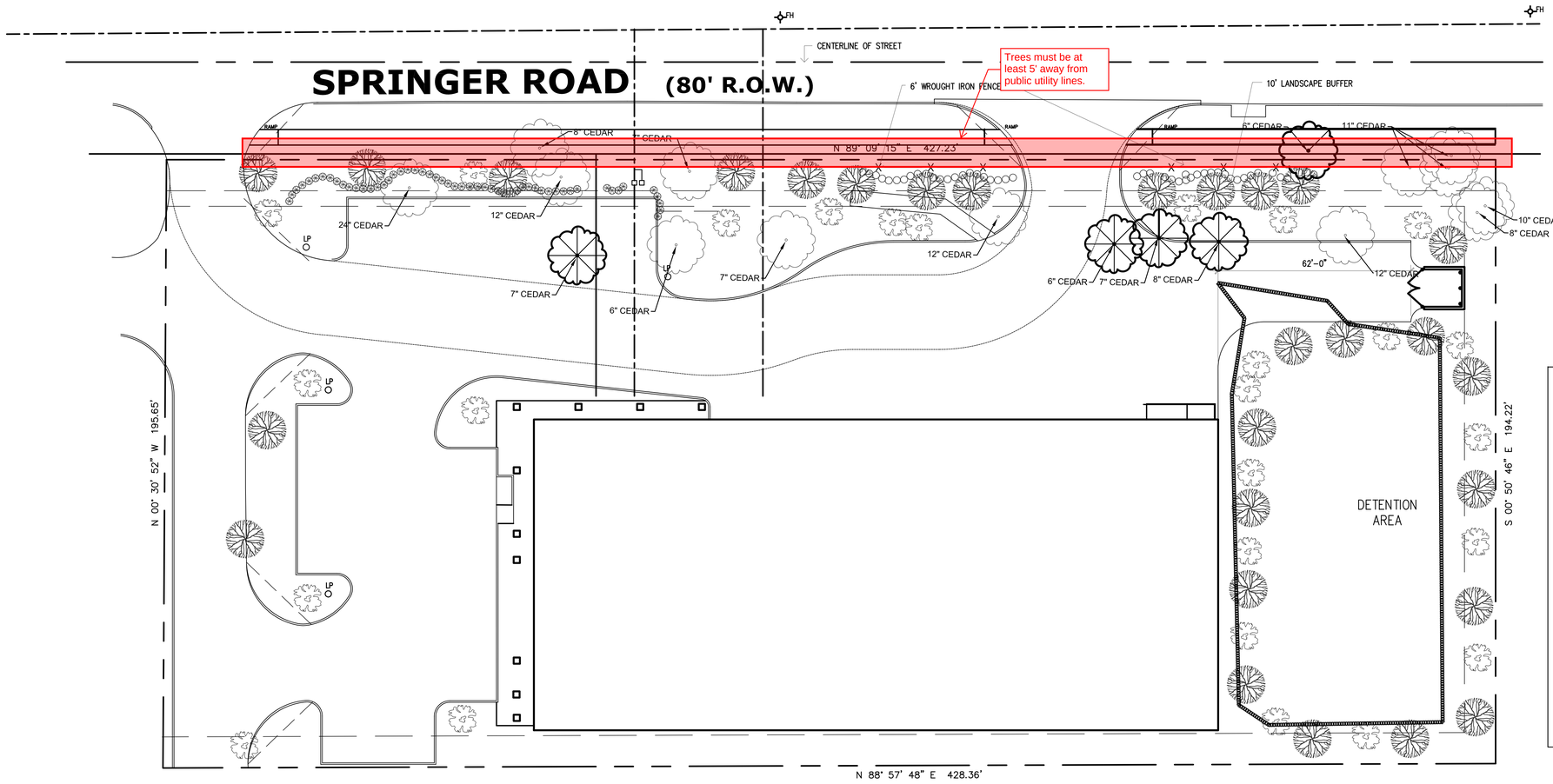
SHARP WAREHOUSE III
ROCKWALL, TEXAS

SITE PLAN

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

SHEET
A1
OF

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



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 MITAGATION PLAN FOR EXISTING TREES TO BE REMOVED

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

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 $^{5463}/_{300}$ = 18 DISTRIBUTION $^{16537}/_{2000}$ = 8
8. HANDICAP REQUIRED 2 ACCESSIBLE IN 25–50 SPACES 2 PROVIDED
9. TOTAL PARKING PROVIDED: 31 SPACES
10. TOTAL SQUARE FOOTAGE OF IMPERVIOUS SURFACE: 51,574 SF
11. 15% LANDSCAPE REQUIRED = 12,509 SF PROVIDED 31,816 SF

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 _____, 2021.

WITNESS OUR HANDS, this _____ day of _____, _____

_____ Planning & Zoning Commission, Chairman

_____ Director of Planning and Zoning

0 10 20 40
SCALE IN FEET

NORTH

PRICING & CONSTRUCTION GENERAL NOTES:

1. 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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CASE #SP2021–015

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RESIDENTIAL RESTAURANTS
INSTITUTIONAL
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MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972–722–9302
FAX : 972–249–2081

No.	Date	Revision	By

REGISTERED ARCHITECT GREG WALTOS 10486 STATE OF TEXAS

SHARP WAREHOUSE III
ROCKWALL, TEXAS

LANDSCAPE PLAN

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

SHEET L1 OF 2

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) [1]
- ☐ PRELIMINARY PLAT ($200.00 + $15.00 ACRE) [1]
- ☐ FINAL PLAT ($300.00 + $20.00 ACRE) [1]
- ☐ REPLAT ($300.00 + $20.00 ACRE) [1]
- ☐ AMENDING OR MINOR PLAT ($150.00)
- ☐ PLAT REINSTATEMENT REQUEST ($100.00)

SITE PLAN APPLICATION FEES:
- ☒ SITE PLAN ($250.00 + $20.00 ACRE) [1]
- ☐ AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN ($100.00)

ZONING APPLICATION FEES:
- ☐ ZONING CHANGE ($200.00 + $15.00 ACRE) [1]
- ☐ SPECIFIC USE PERMIT ($200.00 + $15.00 ACRE) [1]
- ☐ PD DEVELOPMENT PLANS ($200.00 + $15.00 ACRE) [1]

OTHER APPLICATION FEES:
- ☐ TREE REMOVAL ($75.00)
- ☐ VARIANCE REQUEST ($100.00)

NOTES:
[1]: 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				
SUBDIVISION	SHARP ADDITION	LOT	5	BLOCK	A
GENERAL LOCATION	SOUTH SIDE OF SPRINGER RD.				

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING	PD 46		CURRENT USE	VACANT	
PROPOSED ZONING	PD 46		PROPOSED USE	OFF/WHSE	
ACREAGE	1.91	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	SHARP INNOVATION	☒ APPLICANT	GREG WALCOX
CONTACT PERSON	KRIS SHARP	CONTACT PERSON	"
ADDRESS	2578 HWY 276	ADDRESS	1520 E. I-30
CITY, STATE & ZIP	ROCKWALL, TX 75032	CITY, STATE & ZIP	ROCKWALL, TX 75087
PHONE	214-192-0689	PHONE	817-235-9253
E-MAIL	kris@sharpinnovation.com	E-MAIL	MERRIMACRANCH@gmail.com

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 $_____, TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE _____ DAY OF _____, 20___. 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 15th *DAY OF* July, 2021.

NOTARY PUBLIC STATE OF TEXAS
MATTHEW MERSHAWN
Notary ID #128538894
My Commission Expires
March 3, 2023

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

MY COMMISSION EXPIRES 3-3-23

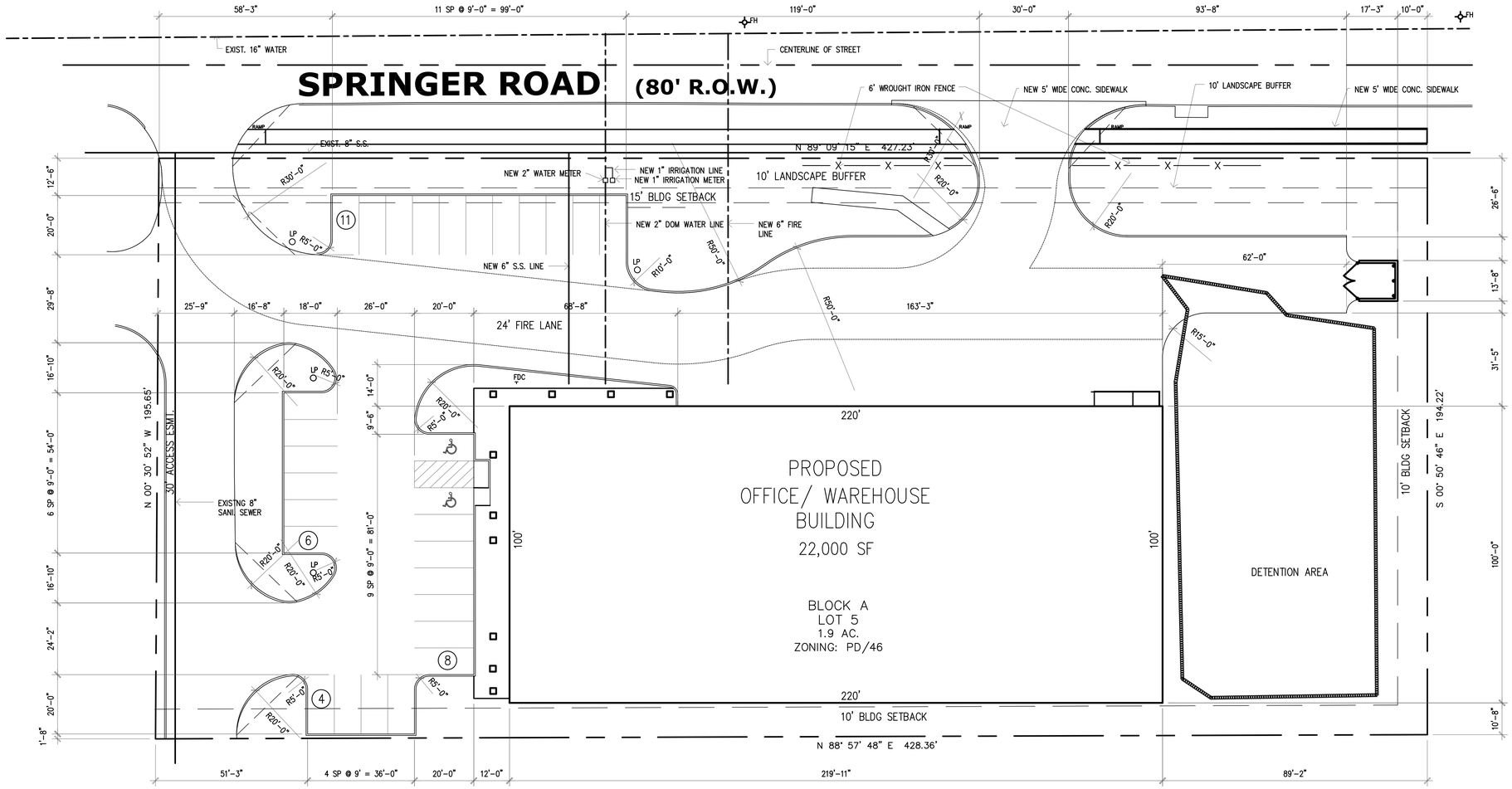


City of Rockwall

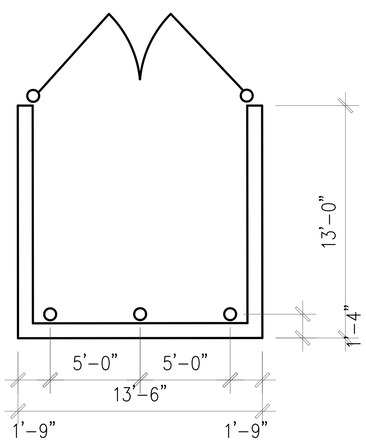
Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75032
(P): (972) 771-7745
(W): www.rockwall.com

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.

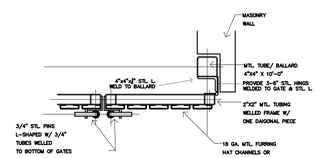
CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



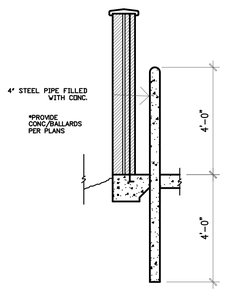
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MIN 5.5 SACK MIX. 5' WIDE U.N.O.
ALL PAVING RADII ARE 4'-6" U.N.O.



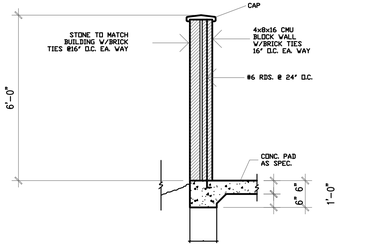
1 DUMPSTER PLAN
1/4" = 1'-0"



2 DETAIL@ BALLARD
NO SCALE



4 DETAIL@ BALLARD
NO SCALE



3 SECTION @ DUMPSTER WALL

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 $^{5463}/_{300}$ = 18 DISTRIBUTION $^{16537}/_{2000}$ = 8
8. HANDICAP REQUIRED 2 ACCESSIBLE IN 25–50 SPACES 2 PROVIDED
9. TOTAL PARKING PROVIDED: 29 SPACES
10. TOTAL SQUARE FOOTAGE OF IMPERVIOUS SURFACE: 51,574 SF
11. 15% LANDSCAPE REQUIRED = 12,509 SF PROVIDED 31,816 SF

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 _____, 2021.

WITNESS OUR HANDS, this _____ day of _____, _____

_____ Planning & Zoning Commission, Chairman

_____ Director of Planning and Zoning

0 10 20 40
SCALE IN FEET

NORTH

PRICING & CONSTRUCTION

GENERAL NOTES:

1. 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.
2. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO REVIEW THE DOCUMENTS AND INCLUDE ALL NECESSARY ITEMS TO PROVIDE A COMPLETE OPERATIONAL SYSTEM.
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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
2578 HWY 276
ROCKWALL, TEXAS 75032
214-392-0689

CASE #SP2021-015

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MERSHAWN ARCHITECTS
RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Revision	By	Date

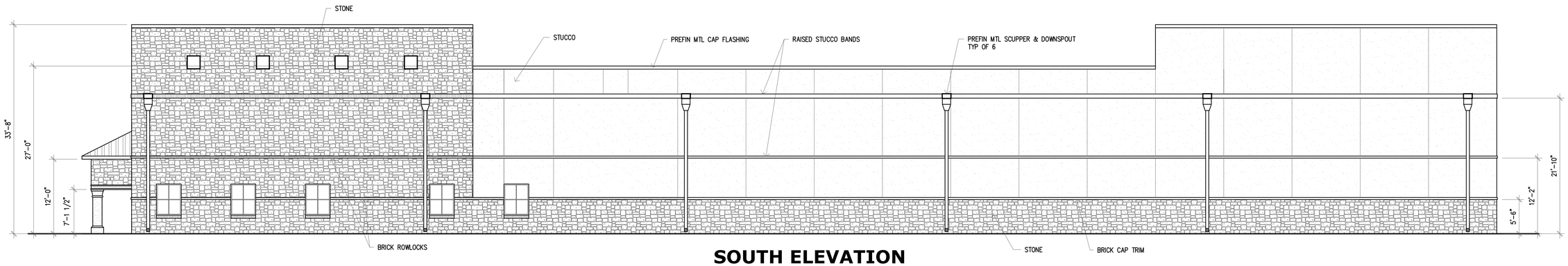
SHARP WAREHOUSE III
ROCKWALL, TEXAS

SITE PLAN

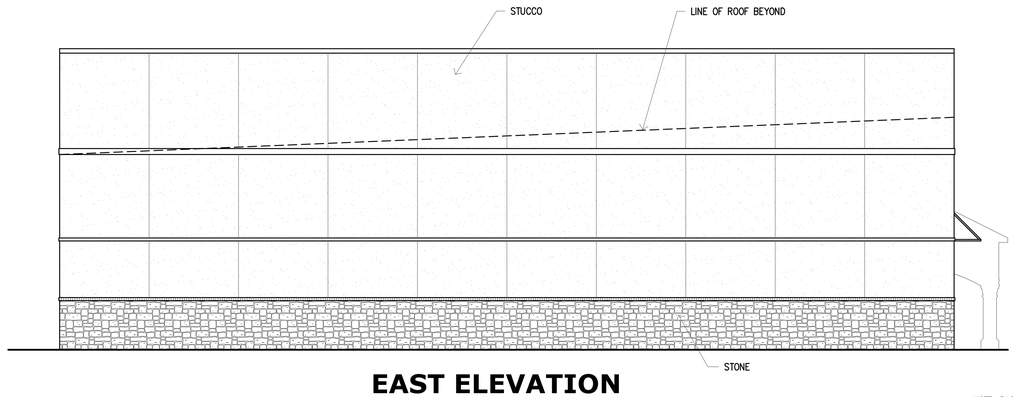
Scale:	1" = 20'-0"
Date:	02/01/2021
Project No.:	210106
Designed:	GW
Drawn:	GW
Checked:	WM

SHEET
A1
OF

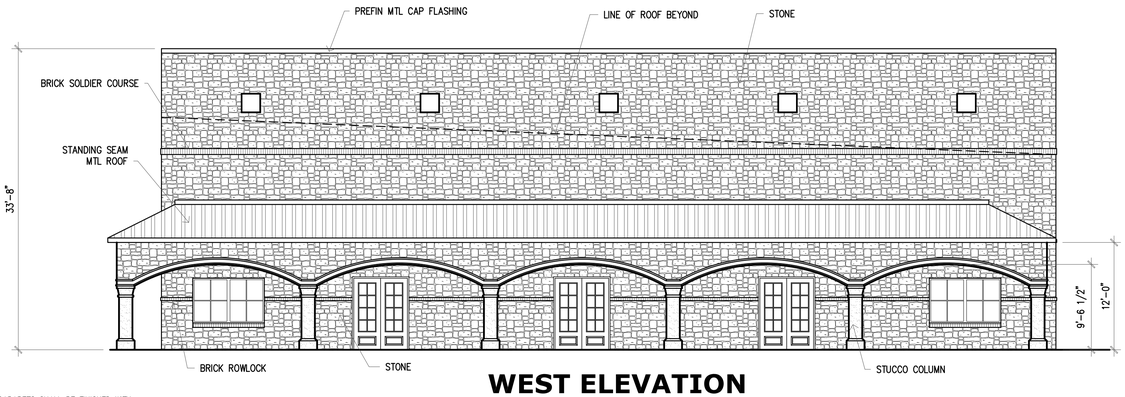
CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



SOUTH ELEVATION
41% STONE 59% STUCCO

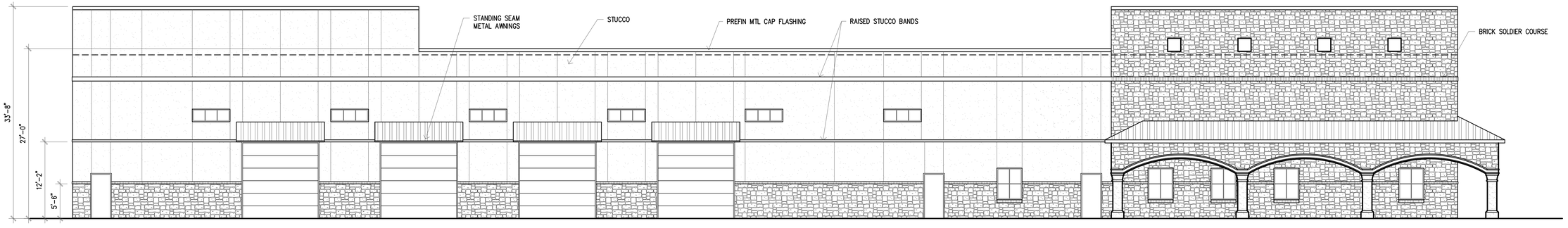


EAST ELEVATION
17% STONE 83% STUCCO



WEST ELEVATION
100% STONE

NOTE: BACK SIDE OF PARAPETS SHALL BE FINISHED WITH CEMENT BOARD AND PAINTED TO MATCH STUCCO.



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 _____ 2021.

WITNESS OUR HANDS, this _____ day of _____, _____

_____ Planning & Zoning Commission, Chairman

_____ Director of Planning and Zoning

PRICING & CONSTRUCTION GENERAL NOTES:

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OWNER
SHARP INSULATION
2878 HWY 276
ROCKWALL, TEXAS 75032
214-292-5689

CASE #SP2021-015

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MERSHAWN ARCHITECTS
RESIDENTIAL RESTAURANTS
INSTITUTIONAL
MEDICAL COMMERCIAL
CHURCHES
1520 E. INTERSTATE 30
ROCKWALL, TEXAS 75087
PHONE: 469-745-1701

No.	Date	Revision	By

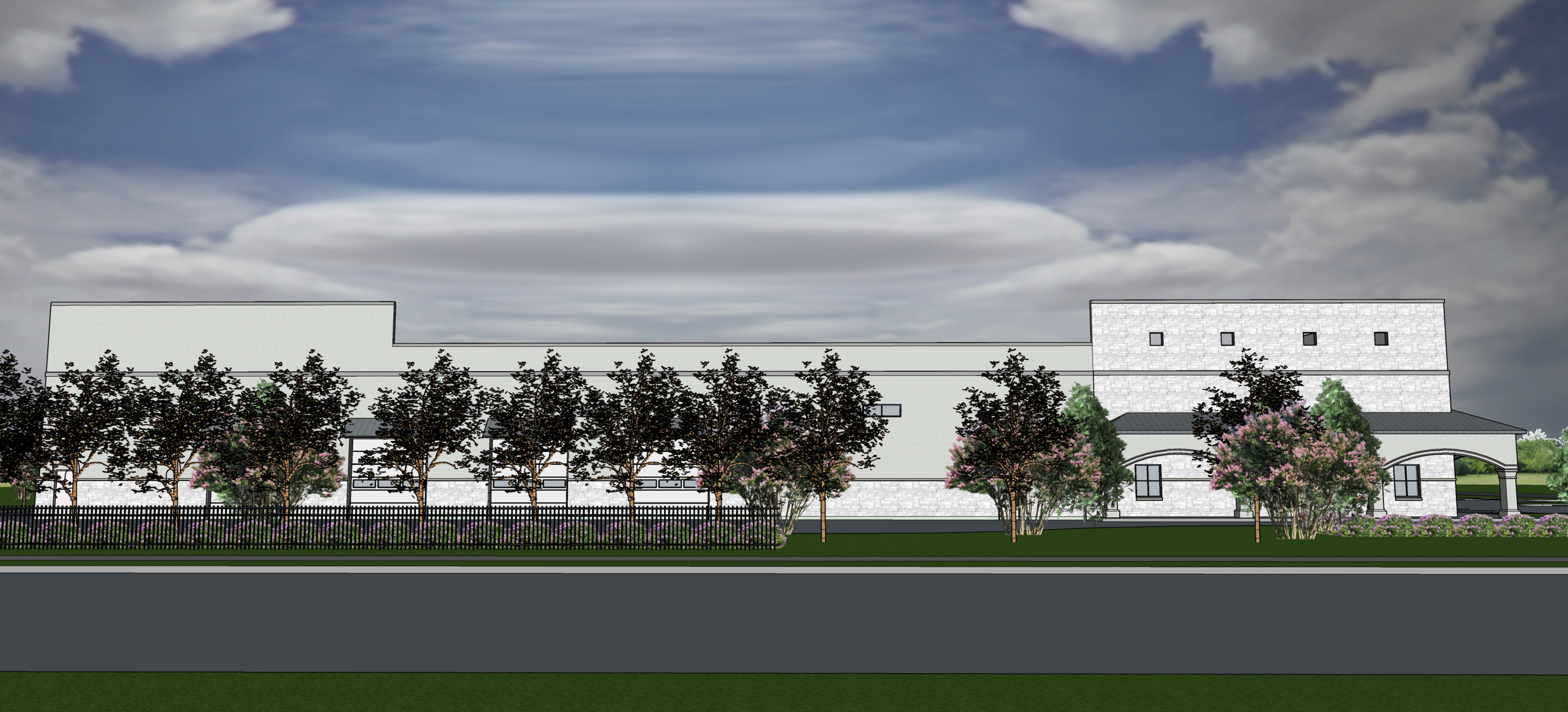
REGISTERED ARCHITECT GREG WALTERS 10495 STATE OF TEXAS

SHARP WAREHOUSE III
ROCKWALL, TEXAS

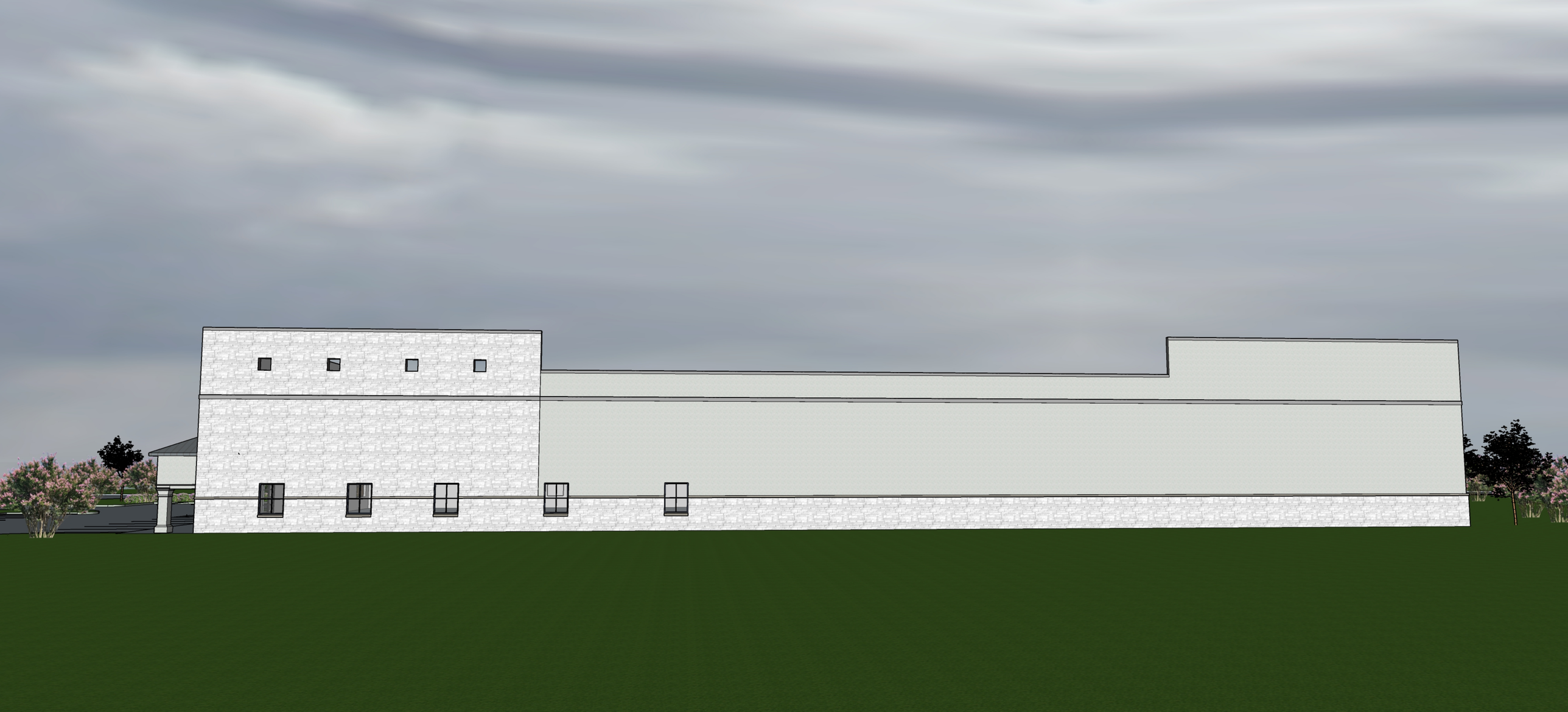
EXTERIOR ELEVATIONS

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

SHEET A4 OF





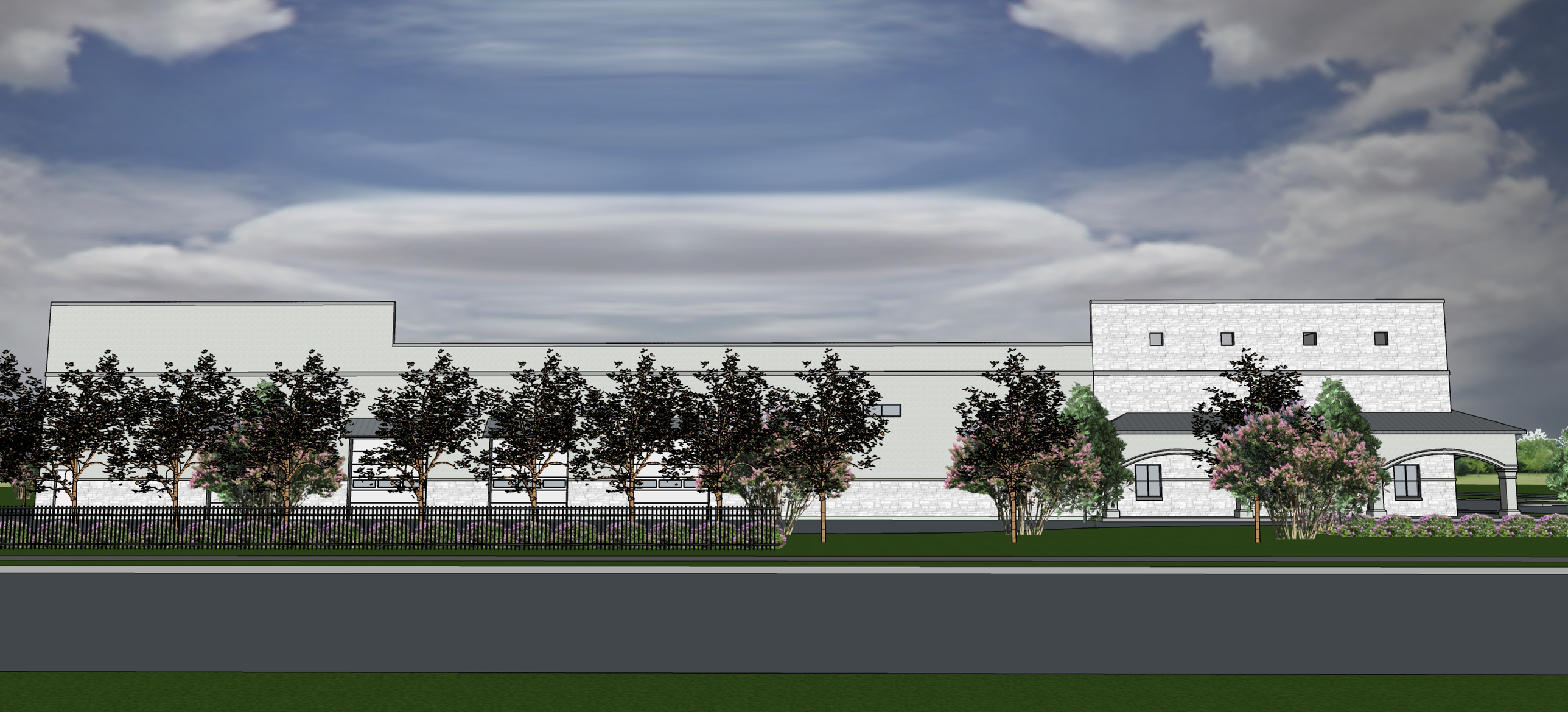




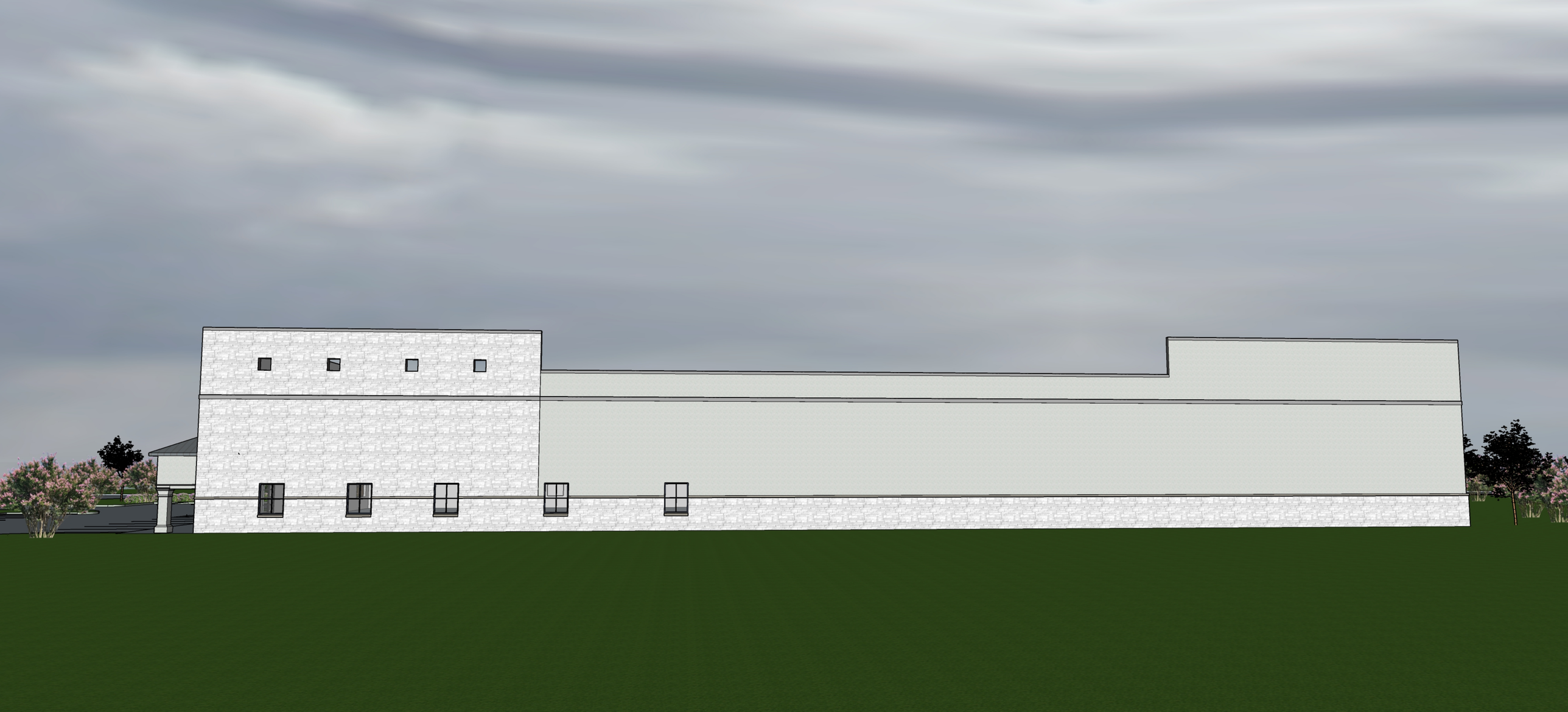












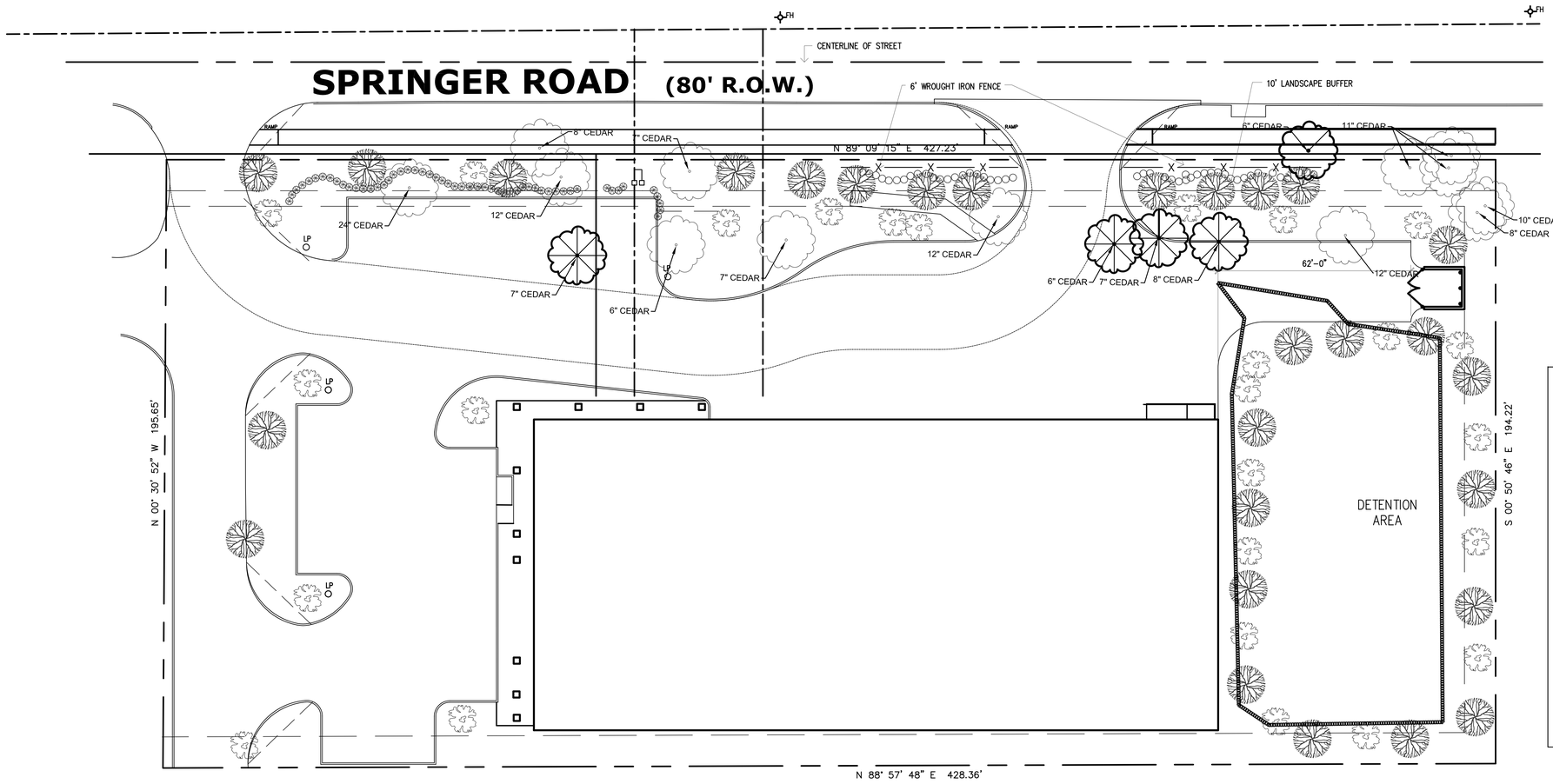








CONTRACTOR TO VERIFY PLANS AND TO VISIT SITE AND NOTIFY MERSHAWN ARCHITECTS OF ANY DISCREPANCIES BEFORE CONSTRUCTION.



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 MITAGATION PLAN FOR EXISTING TREES TO BE REMOVED

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

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 $^{5463}/_{300}$ = 18 DISTRIBUTION $^{16537}/_{2000}$ = 8
8. HANDICAP REQUIRED 2 ACCESSIBLE IN 25–50 SPACES 2 PROVIDED
9. TOTAL PARKING PROVIDED: 31 SPACES
10. TOTAL SQUARE FOOTAGE OF IMPERVIOUS SURFACE: 51,574 SF
11. 15% LANDSCAPE REQUIRED = 12,509 SF PROVIDED 31,816 SF

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 _____, 2021.

WITNESS OUR HANDS, this _____ day of _____, _____

_____ Planning & Zoning Commission, Chairman

_____ Director of Planning and Zoning

0 10 20 40
SCALE IN FEET

NORTH

PRICING & CONSTRUCTION GENERAL NOTES:

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CASE #SP2021–015

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MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972–722–9302
FAX : 972–249–2081

No.	Date	Revision	By

REGISTERED ARCHITECT GREG WALTON 10486 STATE OF TEXAS

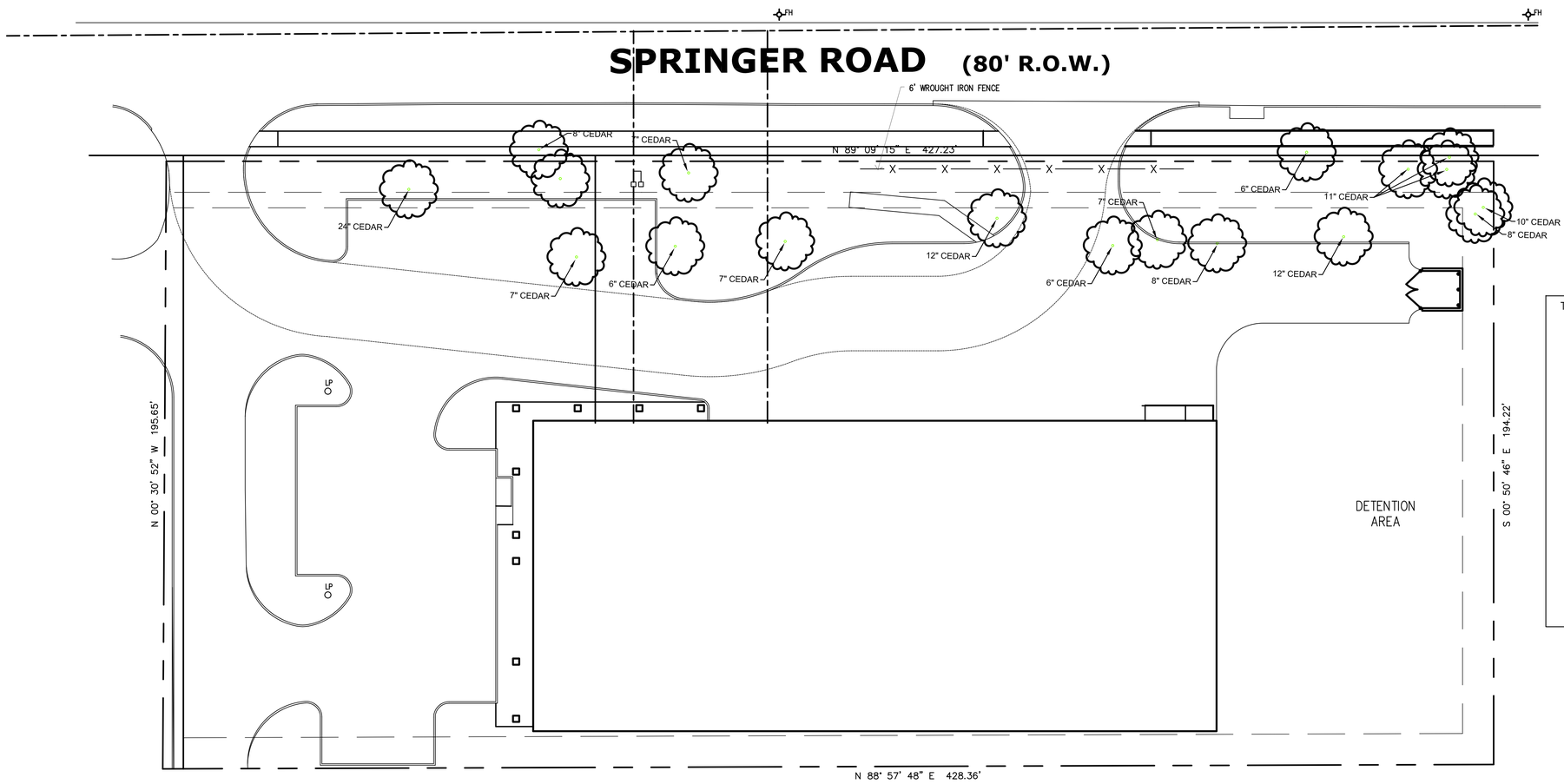
SHARP WAREHOUSE III
ROCKWALL, TEXAS

LANDSCAPE PLAN

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

SHEET L1 OF 2

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



THERE IS NO MITIGATION FOR THIS PROPERTY

- EXISTING TREE TO REMAIN
- LIVE OAKS (00) INSTALLED WITH A MIN. 4" CALIPER
- RED BUD (00) MIN 4' TALL
- INDIAN HAWTHORNE (00) 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.
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LOT 5 BLOCK A – SHARP ADDITION

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8. HANDICAP REQUIRED 2 ACCESSIBLE IN 25–50 SPACES 2 PROVIDED
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10. TOTAL SQUARE FOOTAGE OF IMPERVIOUS SURFACE: 51,574 SF
11. 15% LANDSCAPE REQUIRED = 12,509 SF PROVIDED 31,816 SF

		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

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.

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CONTRACTOR SHALL SUPPLY SLEEVES AS NEEDED FOR IRRIGATION.

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ALL R.O.W. SHALL BE SODDED

0 10 20 40
SCALE IN FEET

NORTH

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CASE #SP2021-000

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CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By

REGISTERED ARCHITECT GREG WALTS 10485 STATE OF TEXAS

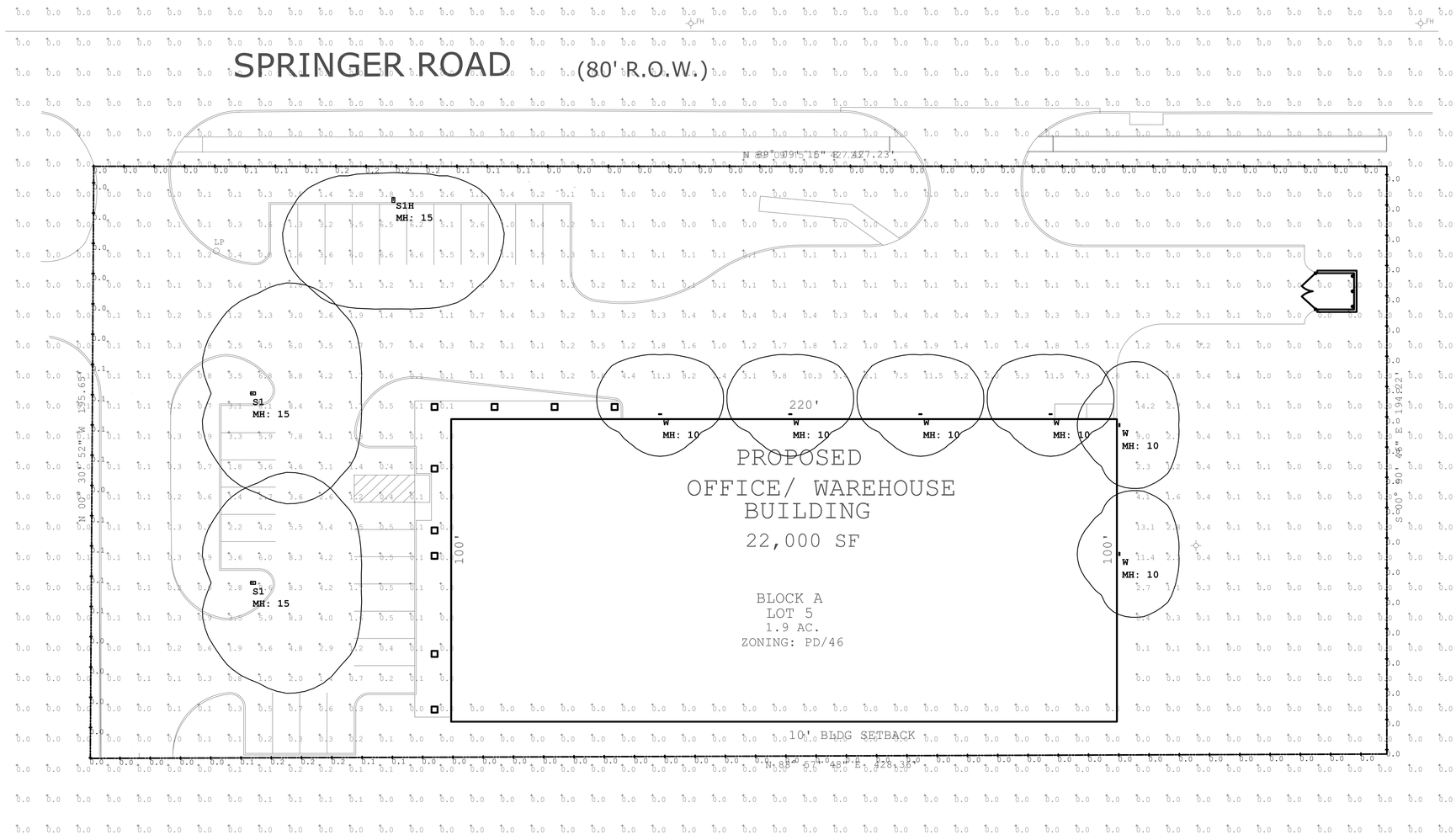
SHARP WAREHOUSE III
ROCKWALL, TEXAS

EXISTING TREE SURVEY

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

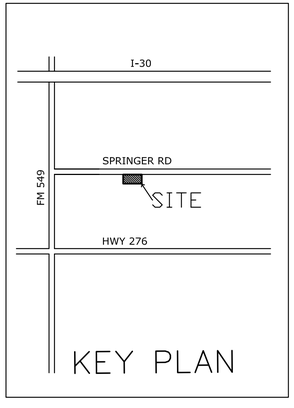
SHEET L2 OF 2

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



LOT 5 BLOCK A – SHARP ADDITION

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4. BUILDING AREA: 22,000 SF
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10. TOTAL SQUARE FOOTAGE OF IMPERVIOUS SURFACE: 51,574 SF
11. 15% LANDSCAPE REQUIRED = 12,509 SF PROVIDED 31,816 SF



Luminaire Schedule							
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Light Lost Factor	User Defined Factor
	S1	2	LITHONIA ESX1 LED P2 40K R3 VOLTAGE	13916	97.59	1.000	1.000
	S1H	1	LITHONIA ESX1 LED P2 40K R3 HS VOLTAGE	11398	97.5852	1.000	1.000
	W	6	LITHONIA WPX2 LED 40K Mvolt	5896	47.77	1.000	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
PROPERTY LINE	N.A	Fc	0.02	0.2	0.0	N.A.
PARKING+DRIVE		Fc	2.11	14.2	0.0	N.A.

SITE PLAN SIGNATURE BLOCK

APPROVED:
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WITNESS OUR HANDS, this _____ day of _____, _____

_____ Planning & Zoning Commission, Chairman

_____ Director of Planning and Zoning

0 10 20 40
SCALE IN FEET

NORTH

OWNER
SHARP INSULATION
2570 HWY 276
ROCKWALL, TEXAS 75032
214-392-0689

CASE #SP2021-015

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MEDICAL COMMERCIAL
CHURCHES
MERSHAWN ARCHITECTS
2313 RIDGE ROAD #103
ROCKWALL, TEXAS 75087
PHONE: 972-722-9302
FAX : 972-249-2081

No.	Date	Revision	By

SHARP WAREHOUSE III
ROCKWALL, TEXAS

PHOTOMETRIC SITE PLAN

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

SHEET PH1 OF 1

LITHONIA LIGHTING®

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-metalic 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.

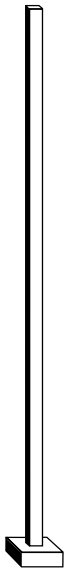
FINISH – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, 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 for additional information.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

Buy American

See footnotes next page.

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

SSS						
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[1]**	**Mounting[2]**		**Options**	**Finish[10]**
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.)	Tenon mounting 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) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting[3] 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° CSX/DSX/RSX/AERIS™/OMERO™/ HLA/KAX Drill mounting[3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting[3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting[3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	AERIS™ Suspend drill mounting[3,4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting[3,4] DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed 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)[5,6] FDLxy Festoon outlet less electrical[5] CPL12/xy 1/2" coupling[5] CPL34/xy 3/4" coupling[5] CPL1/xy 1" coupling[5] NPL12/xy 1/2" threaded nipple[5] NPL34/xy 3/4" threaded nipple[5] NPL1/xy 1" threaded nipple[5] EHHxy Extra handhole[5,7] MAEX Match existing[8] BAA Buy America(n) Act Compliant IC Interior coating[10] UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) Shipped separately (replacement kit available) (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	Standard colors DDBXD Dark bronze DWHXD White DBLXD Black DMBXD Medium bronze DNAXD Natural aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Architectural Colors and Special Finishes[11] Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:

1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. 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.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST**2**.
5. 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
6. 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 HAxyy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

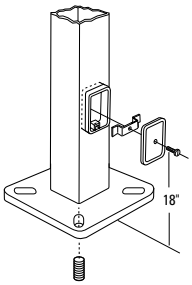
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SSS Square Straight Steel Poles

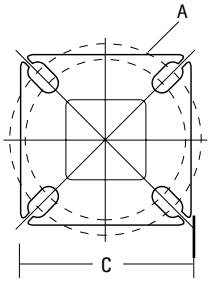
TECHNICAL INFORMATION — EPA (ft2) with 1.3 gust													
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft^2) with 1.3 gust						Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 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

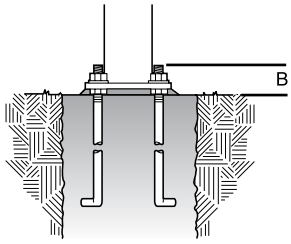
* EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

BASE DETAIL

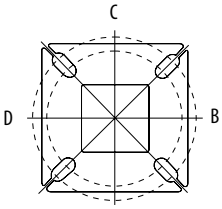


POLE DATA								
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C	3/4"x18"x3"
4"G	8" – 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



Handhole

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.

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ESX1 LED
Area Luminaire

Catalog Number

Notes

Type

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

Specifications

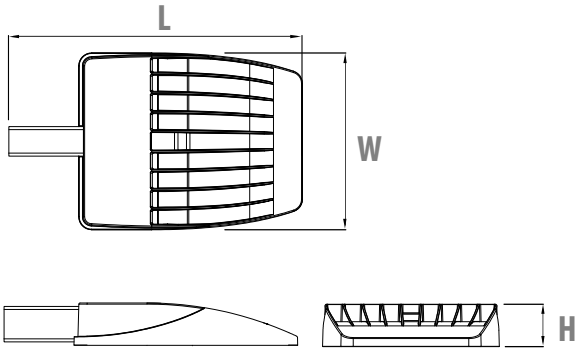
EPA 0.40 ft² (0.04 m²)

Length: 19.9" (50.5 cm)

Width: 12" (30.5 cm)

Height: 2.9" (7.4 cm)

Weight: 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					
4000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 40K R3 MVOLT UPA BLS DDBXD M2	*269PG3	00194994838302
400W	**ESX1 LED P4**	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
5000K										
150W to 250W	**ESX1 LED P2**	14,000	98W	8,000	50W	Type 3	120-277V	ESX1 LED P2 50K R3 MVOLT UPA BLS DDBXD M2	*269PGY	00194994838555
400W	**ESX1 LED P4**	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.

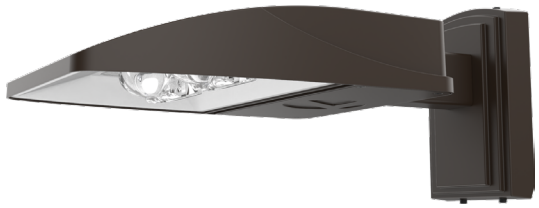
Accessories: *Order as separate catalog number.*

Catalog Number	Description	CI Code	UPC
ESXWBA DDBXD U	ESX WBA wall bracket, dark bronze finish	*270S5T	00194995092826

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

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Accessories

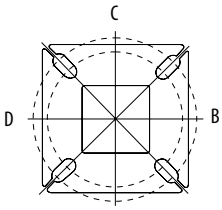


Wall Bracket (WBA)

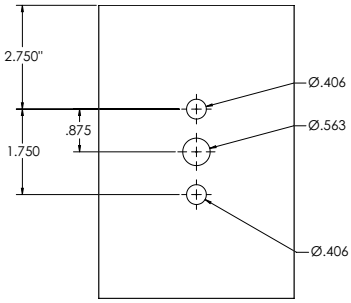
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters 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

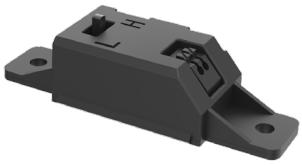
Drill/Side Location by Configuration Type

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



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

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.

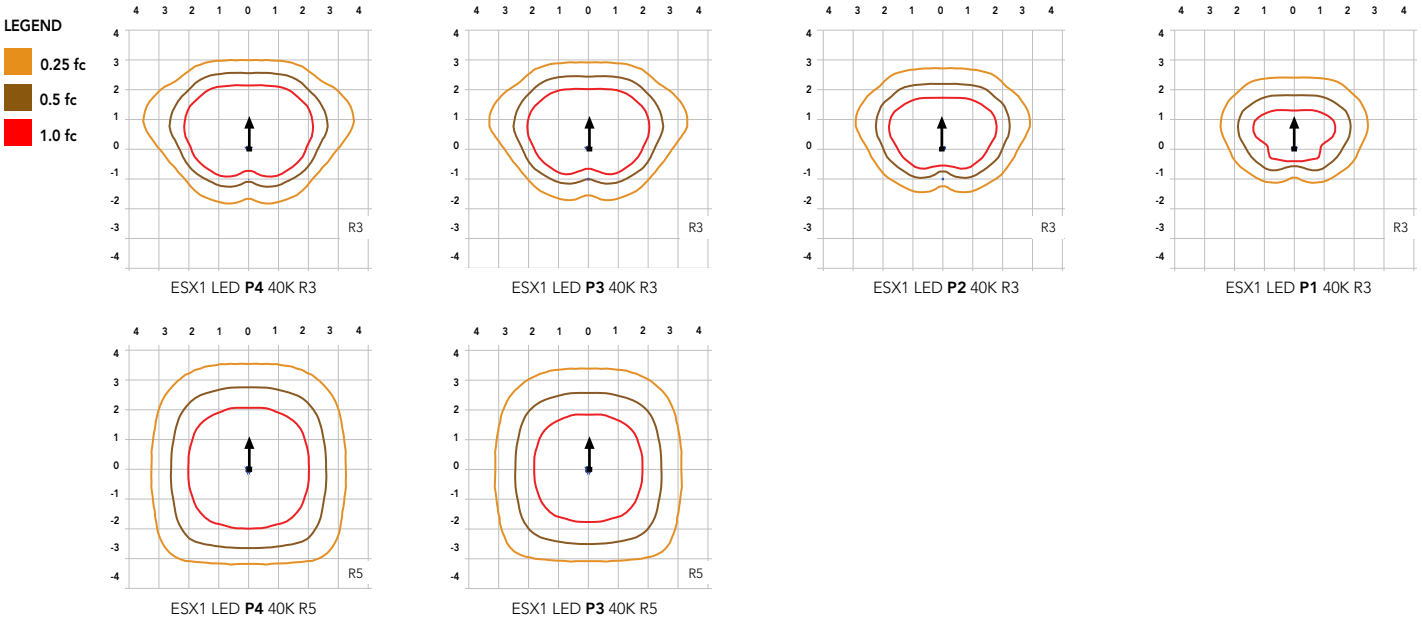


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Photometric Diagrams

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').



ESX1 LED **P4** 40K R3

ESX1 LED **P3** 40K R3

ESX1 LED **P2** 40K R3

ESX1 LED **P1** 40K R3

ESX1 LED **P4** 40K R5

ESX1 LED **P3** 40K R5

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

		Current (A)					
Performance Package	System Watts (W)	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).

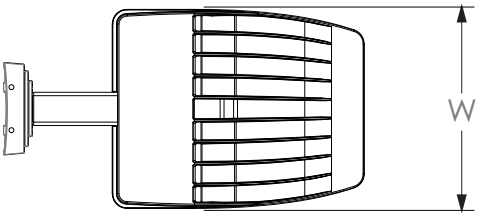
To calculate LLF, use the lumen maintenance factor that corresponds to the luminaire performance package below. For other lumen maintenance values, contact factory.

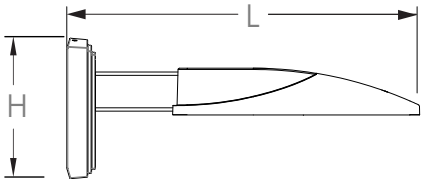
Performace Package	TM-21 Percent Lumen Maintenance at 60,000 hrs
P1 / P2	89%
P3	88%
P4	87%

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Dimensions

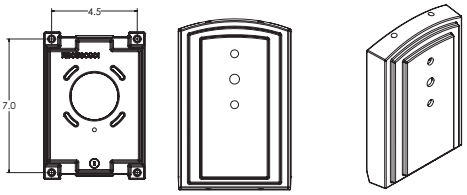
ESX1 with Wall Bracket (WBA)





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 warrantied 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 to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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

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WPX LED
Wall Packs

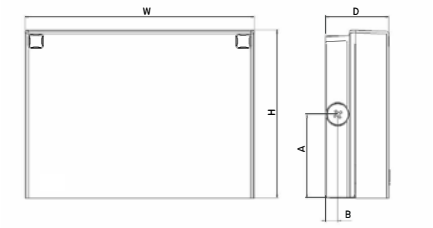
Catalog Number

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 [1]	30K	3000K	MVOLT	120V - 277V	(blank)	None	DDBXD	Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K	4000K	347	347V [3]	E4WH	Emergency battery backup, CEC compliant (4W, 0°C min) [2]	DWHXD	White
WPX2 LED	6,000 Lumens, 47W	50K	5000K			E14WC	Emergency battery backup, CEC compliant (14W, -20°C min) [2]	DBLXD	Black
WPX3 LED	9,200 Lumens, 69W					PE	Photocell [3]	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

1. 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
2. Battery pack options only available on WPX1 and WPX2.
3. 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 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.

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.

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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

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

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

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 **E4WH** DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT **E14WC** DDBXD

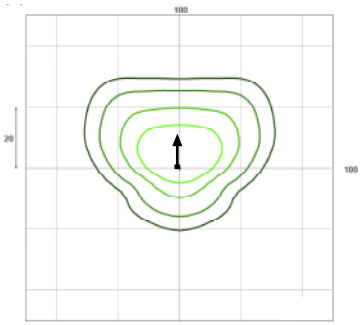
Photometric Diagrams

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

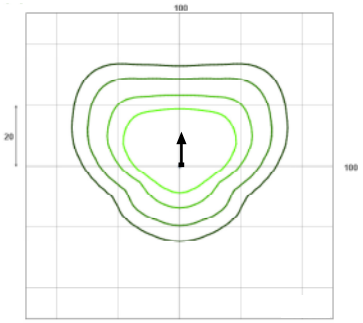
LEGEND

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

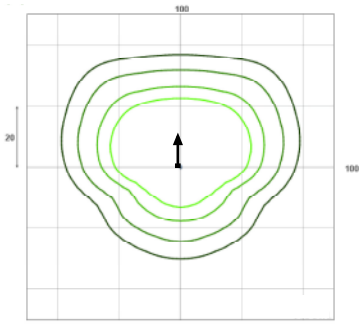
WPX1 LED P1



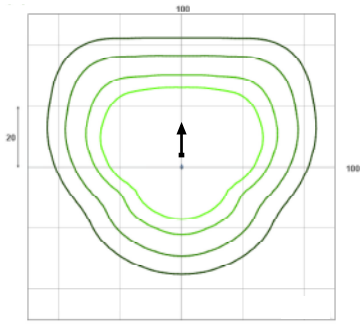
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

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MERSHAWN
ARCHITECTS

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.

August 13, 2021

TO: Greg Wallis
Mershawn Architects
1520 E. IH-30
Rockwall, TX 75032

COPY: Kris Sharp
Sharp Insulation
2578 Hwy 276
Rockwall, TX 75032

FROM: David Gonzales, AICP
City of Rockwall Planning and Zoning Department
385 S. Goliad Street
Rockwall, TX 75087

SUBJECT: SP2021-015; *Site Plan for a Warehouse/Office Building*

This letter serves to notify you that the above referenced case (*i.e. Site Plan*) that you submitted for consideration by the City of Rockwall was approved by the Planning and Zoning Commission on August 10, 2021. The following is a record of all recommendations, voting records and conditions of approval:

Staff Recommendations

(1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans.

(2) Any construction resulting from the approval of this *Site Plan* shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

Planning and Zoning Commission

On August 10, 2021, the Planning and Zoning Commission approved a motion to approve the site plan by a vote of 6-0, with Commission Moeller absent. The motion also included approval of the requested variances (*i.e. horizontal articulation and vertical walls with the detention easement)* as outlined in staffs report.

Should you have any questions or concerns regarding your zoning case, please feel free to contact me a (972) 771-7745.

Sincerely,

David Gonzales, AICP
Planning and Zoning Manager