



DEVELOPMENT APPLICATION

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

STAFF USE ONLY

PLANNING & ZONING CASE NO. _____

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

DIRECTOR OF PLANNING: _____

CITY ENGINEER: _____

Please check the appropriate box below to indicate the type of development request [SELECT ONLY ONE BOX]:

Platting Application Fees:

- Master Plat (\$100.00 + \$15.00 Acre) 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 **2901 Ridge Road, Rockwall, Texas 75032**

Subdivision _____

Lot _____

Block _____

General Location **Hard corner of Ridge Road and Horizon Road**

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

Current Zoning **PD-9, General Retail**

Current Use **Commercial**

Proposed Zoning **PD-9, General Retail**

Proposed Use **Commercial**

Acreeage **0.921 acres**

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 **SDI Rockwall Holdings, LLC**

Applicant **Boucher Design Group**

Contact Person **Peter Sisan**

Contact Person **Jason Miller**

Address **1800 West Loop South
Suite 1850**

Address **6802 Mapleridge Street
Suite 200**

City, State & Zip **Houston, Texas 77027**

City, State & Zip **Bellaire, Texas 77401**

Phone **713-892-5200**

Phone **713-785-3644**

E-Mail **psisan@sdirealty.com**

E-Mail **jason@bdgap.com**

NOTARY VERIFICATION [REQUIRED]

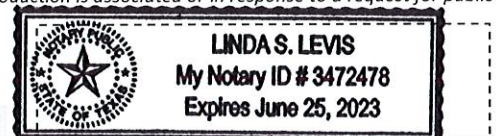
Before me, the undersigned authority, on this day personally appeared Jason Miller [Owner] the undersigned, who stated the information on this application to be true and certified the following:

"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 19th day of March, 20 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 19th day of March, 20 20.

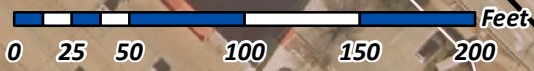
Owner's Signature

Notary Public in and for the State of Texas

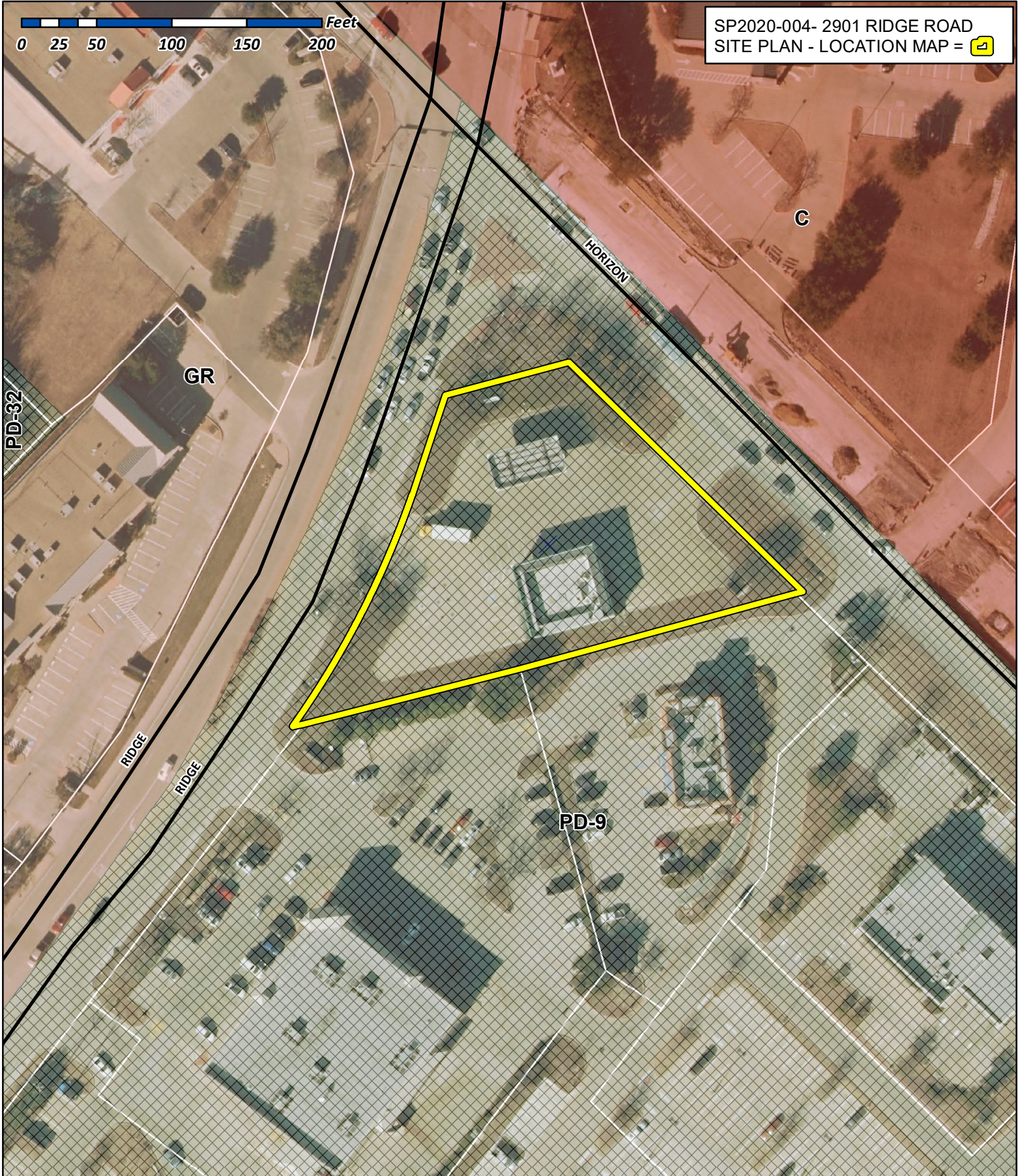


My Commission Expires

6/25/2023



SP2020-004- 2901 RIDGE ROAD
SITE PLAN - LOCATION MAP =

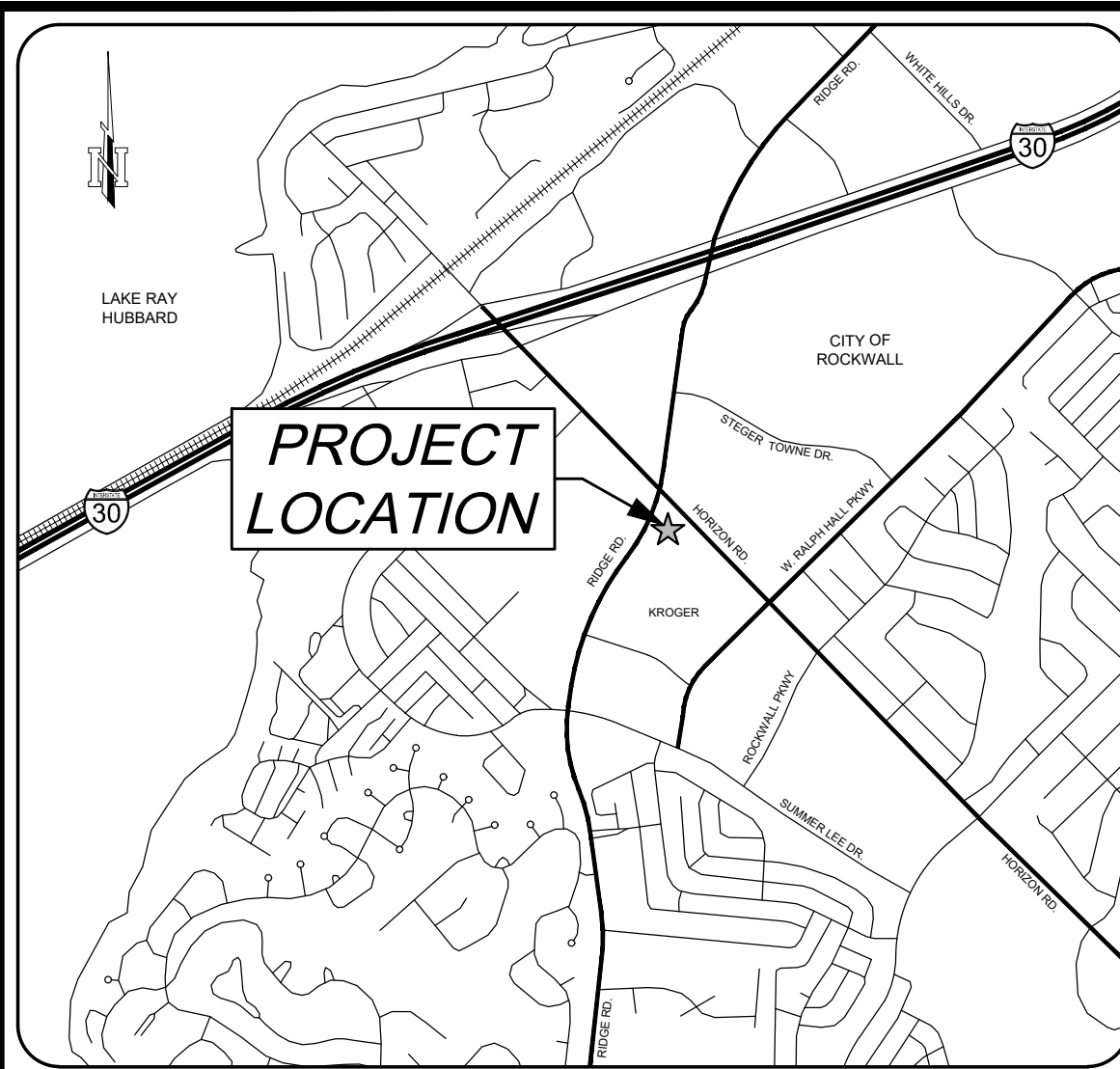


City of Rockwall

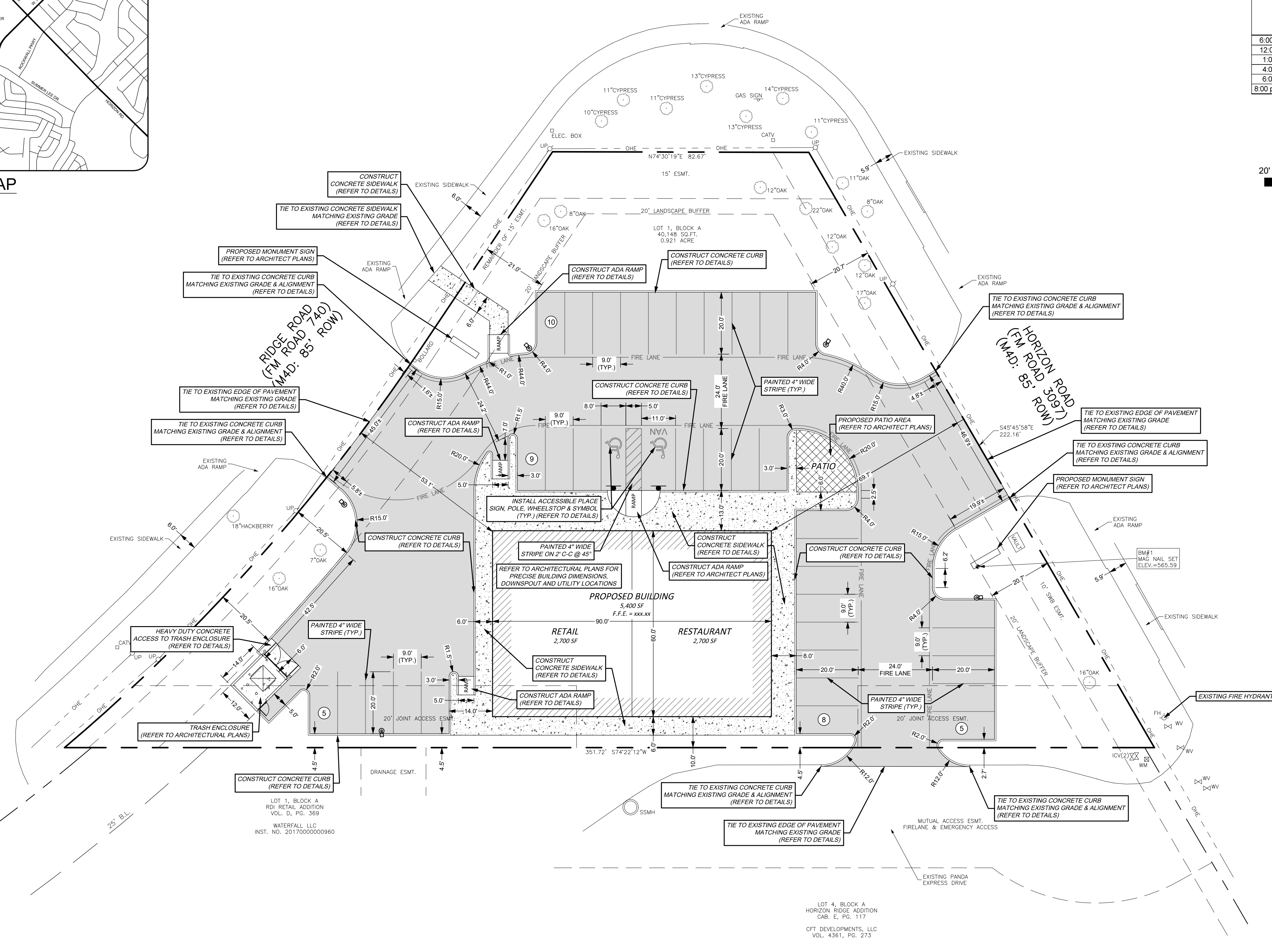
Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75032
(P): (972) 771-7745
(W): www.rockwall.com

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.





VICINITY MAP
NOT TO SCALE



SITE PLAN INFORMATION

LAND USE: CURRENT: C-COMMERCIAL
PROPOSED: C-COMMERCIAL

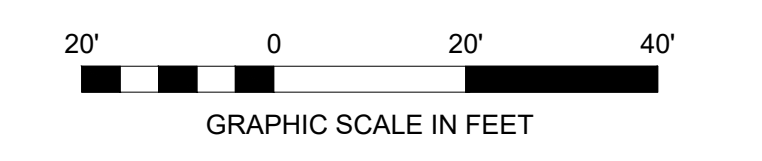
TOTAL LOT AREA: 0.921 ACRES (40,148 S.F.)
TOTAL LOT PERIMETER: 1998 LF

BUILDING AREA: 5,400 S.F.
BUILDING HEIGHT: 20'-0" - 24'-0"

	REQUIRED	PROVIDED
STANDARD PARKING	35	35
ACCESSIBLE PARKING	2	2
TOTAL	37	37

Time of Day	Retail	Restaurant	Retail	Rest.	Total
6:00 a.m. - 12:00 noon	0.97	0.50	10	14	24
12:00 noon - 1:00 p.m.	1.00	0.70	11	19	30
1:00 p.m. - 4:00 p.m.	0.97	0.60	10	16	27
4:00 p.m. - 6:00 p.m.	0.82	0.90	9	24	33
6:00 p.m. - 8:00 p.m.	0.89	1.00	10	27	37
8:00 p.m. - 12:00 midnight	0.61	1.00	7	27	34
Total #			7	27	37

Retail SF	Rest SF	Retail Reg	Rest. Reg
2,700	2,700	1/250	1/100



LEGEND

EXISTING	PROPOSED	DESCRIPTION
WM	WM	WATER METER
WV	WV	WATER VALVE
FH	FH	FIRE HYDRANT
GM	GM	GAS METER
SSMH	SSMH	SANITARY SEWER MANHOLE
SSCO	SSCO	SANITARY SEWER CLEANOUT
UP	UP	UTILITY POLE
SP	SP	SITE LIGHTING POLE
TSP	TSP	TRAFFIC SIGNAL POLE
TSB	TSB	TRAFFIC SIGNAL BOX
SMH	SMH	STORM MANHOLE
JB	JB	STORM JUNCTION BOX
CI	CI	CURB INLET
GI	GI	GRATE INLET
OHE	OHE	EXISTING OVERHEAD ELECTRIC LINE
CC	CC	EXISTING CONCRETE CURB
PC	PC	PROPOSED CONCRETE CURB
PS	PS	PROPOSED FIRE LANE
PS1	PS1	PROPOSED 3,500 PSI 4" SIDEWALK PAVEMENT WITH #3 BARS AT 18" O.C.E.W
PS2	PS2	PROPOSED 3,500 PSI 5" CONCRETE STANDARD DUTY PAVEMENT WITH #4 BARS AT 24" O.C.E.W
PS3	PS3	PROPOSED 3,500 PSI 6" CONCRETE HEAVY DUTY PAVEMENT WITH #4 BARS AT 18" O.C.E.W
S	S	SIGN

- SITE NOTES**
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY AND STATE REGULATIONS AND CODES, OSHA STANDARDS AND PROJECT SITE WORK SPECIFICATIONS.
 - CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF VESTIBULES, SLOPED PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOORS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING ENTRANCE LOCATIONS.
 - CONTRACTOR SHALL REFER TO MEP PLANS FOR TOTAL NUMBER, LOCATIONS, SIZES AND DETAILS OF ROOF DOWNPOUTS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING EXISTING ITEMS DAMAGED DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. DAMAGES SHALL BE REPORTED TO ENGINEER OF RECORD PRIOR TO REPAIR. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
 - CONTRACTOR IS REQUIRED TO REMOVE OR RELOCATE, IN A PROPER MANNER, EXISTING IMPROVEMENTS/NATURAL FEATURES TO ALLOW FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS INDICATED ON THE PLANS. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH.
 - CONTRACTOR IS RESPONSIBLE FOR PROTECTION & REPLACEMENT OF ALL PROPERTY CORNERS. PROPERTY CORNERS DAMAGED BY CONTRACTOR SHALL BE REPLACED BY A REGISTERED PROFESSIONAL LAND SURVEYOR AT CONTRACTOR'S EXPENSE.
 - CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT AT ADJACENT ROADWAYS.
 - ALL TRAFFIC CONTROL SIGNS SHALL BE FABRICATED AS SHOWN IN THE LATEST EDITION OF THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
 - ALL SIGNS PLACED IN AREAS ACCESSIBLE BY VEHICLE TRAFFIC SHALL BE PLACED IN GUARD POST.
 - ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB, CENTER OR END OF STRIPE, FACE OF BUILDING OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
 - ALL CURB RADII SHALL BE 4' UNLESS OTHERWISE NOTED.
 - FIRE LINES ARE SHOWN FOR APPROXIMATE LOCATION ONLY. REFER TO LOCAL CITY REQUIREMENTS FOR EXACT LOCATION.

- ACCESSIBILITY NOTES**
- PROPOSED CONSTRUCTION ON THIS SITE SHALL COMPLY WITH THE LATEST REVISION OF THE ADA REGULATIONS AND THE TEXAS ACCESSIBILITY STANDARDS (TAS).
 - ALL SLOPES ON SIDEWALKS ADJACENT TO BUILDINGS SHALL BE 1" PER FOOT MAX. DOWN TO THE TOP OF CONCRETE CURB.
 - ALL SLOPES WITHIN ACCESSIBLE PARKING SPACES AND ADJACENT MANEUVERING AREAS SHALL BE A MAXIMUM OF 2% SLOPE IN ALL DIRECTIONS. ADA COMPLIANT STORAGE SHALL BE PROVIDED FOR EACH ACCESSIBLE SPACE.
 - ALL SLOPES ON SIDEWALKS SHALL BE A MAXIMUM OF 2% CROSS SLOPE AND 5% IN THE DIRECTION OF TRAVEL.
 - ACCESSIBLE ROUTES WITH A RUNNING SLOPE GREATER THAN 5.0% (1:20) IS A RAMP AND SHALL BE CONSTRUCTED WITH HANDRAILS AND 5' X 5' LANDINGS. RAMP SLOPE SHALL NOT EXCEED 8.3% (1:12).
 - RAMP RUNS WITH A RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS.
 - SURFACE OF CURB RAMP SHALL BE CONSTRUCTED WITH ADA COMPLIANT SURFACE. SURFACE OF ACCESSIBLE ROUTES AND CURB RAMP SHALL BE STABLE, FIRM AND SLIP RESISTANT. CURB RAMP SHALL NOT EXCEED 6" IN LENGTH.
 - THE RISE OF ANY RAMP SHALL BE 30 INCHES MAXIMUM.

INSPECTIONS/CERTIFICATIONS NOTE

ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY LOCAL CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO SUBSTANTIAL PROJECT COMPLETION.

PERMITS NOTE

CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED BY FEDERAL, STATE, OR LOCAL CODES AND/OR UTILITY SERVICE COMPANIES PRIOR TO START OF CONSTRUCTION.

TOPOGRAPHIC SURVEY NOTE

EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS WAS PREPARED BY CBG SURVEYING TEXAS, LLC. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW. THE ENGINEER'S SEAL ON THESE PLANS DOES NOT APPLY TO THE PROPERTY BOUNDARY INFORMATION SHOWN HEREON.

BENCHMARK

IF THE CONTRACTOR RELOCATES REFERENCE MARKERS WITH A NEW REFERENCE MARKER, IT SHALL BE LOCATED WITHIN A HORIZONTAL AND VERTICAL TOLERANCE OF 0.117'

BENCHMARK	MAG NAIL SET ELEVATION
BM#1	565.59

OWNER

SDI ROCKWALL HOLDINGS, LLC
1800 WEST LOOP SOUTH
SUITE 1850
HOUSTON, TEXAS 77027

CITY OF ROCKWALL

APPROVED:
I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWALL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____, _____.

WITNESS OUR HANDS, THIS _____ DAY OF _____, _____.

PLANNING AND ZONING COMMISSION, CHAIRMAN

DIRECTOR OF PLANNING AND ZONING

SITE PLAN

KROGER OUTLOT
2901 RIDGE ROAD
ROCKWALL, TEXAS 75032

PROJECT TITLE: _____ CITY XX, TEXAS

DATE: _____

REVISION: _____

MARK: _____

SHEET NAME: _____

PROJECT NO.: _____

PROJECT NO.: 191-506-58

DESIGNED BY: TG

DESIGNED BY: DK

LATEST REVISION: 03/19/20

KSA JOB NO.: _____

PROJECT NO.: 191-506-58

KSA
6781 Oak Hill Blvd.,
Houston, Texas 77030
T. 903.555.8870
www.ksaeng.com

This document is released for the purpose of interim review under the authority of Darrel Kotzur, P.E., Lic. # 83947, on March 18, 2020. It is not to be used for construction, bidding, or permit purposes.

SEAL: TBPE Firm Registration No. F-1356
SHEET NO. C1.0

811
Know what's below.
Call before you dig.

CASE NUMBER: SP2020-XXX

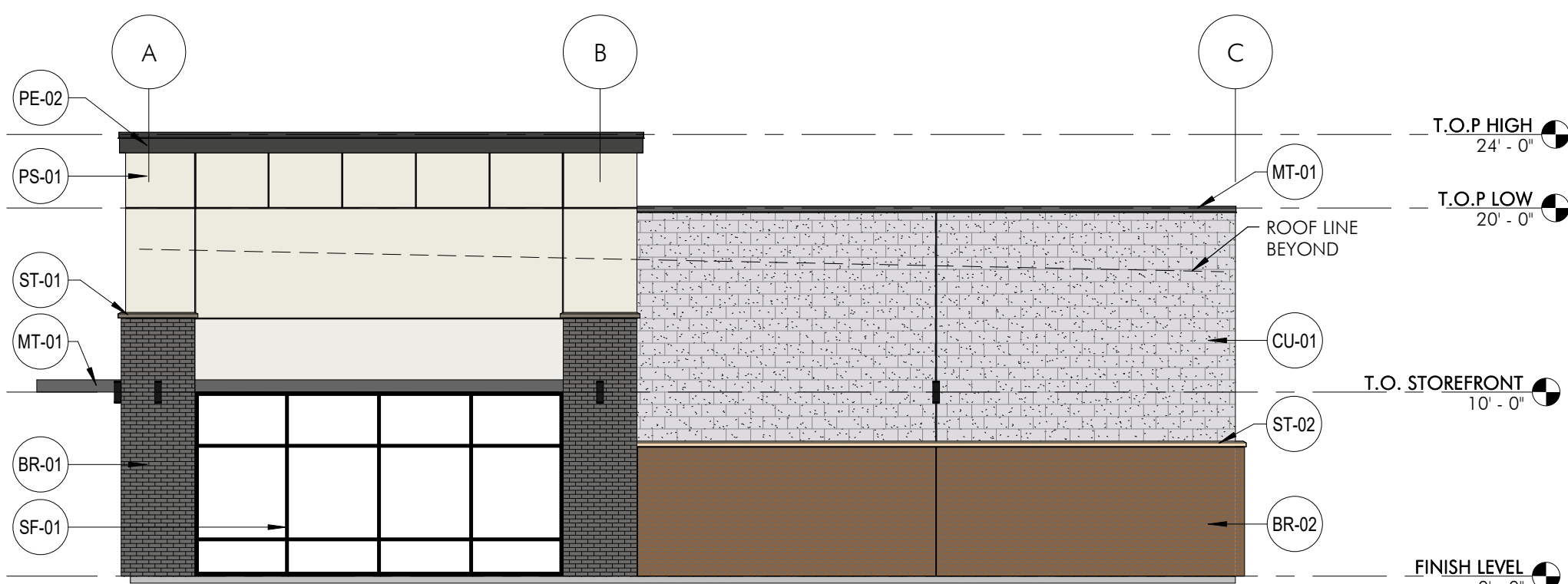
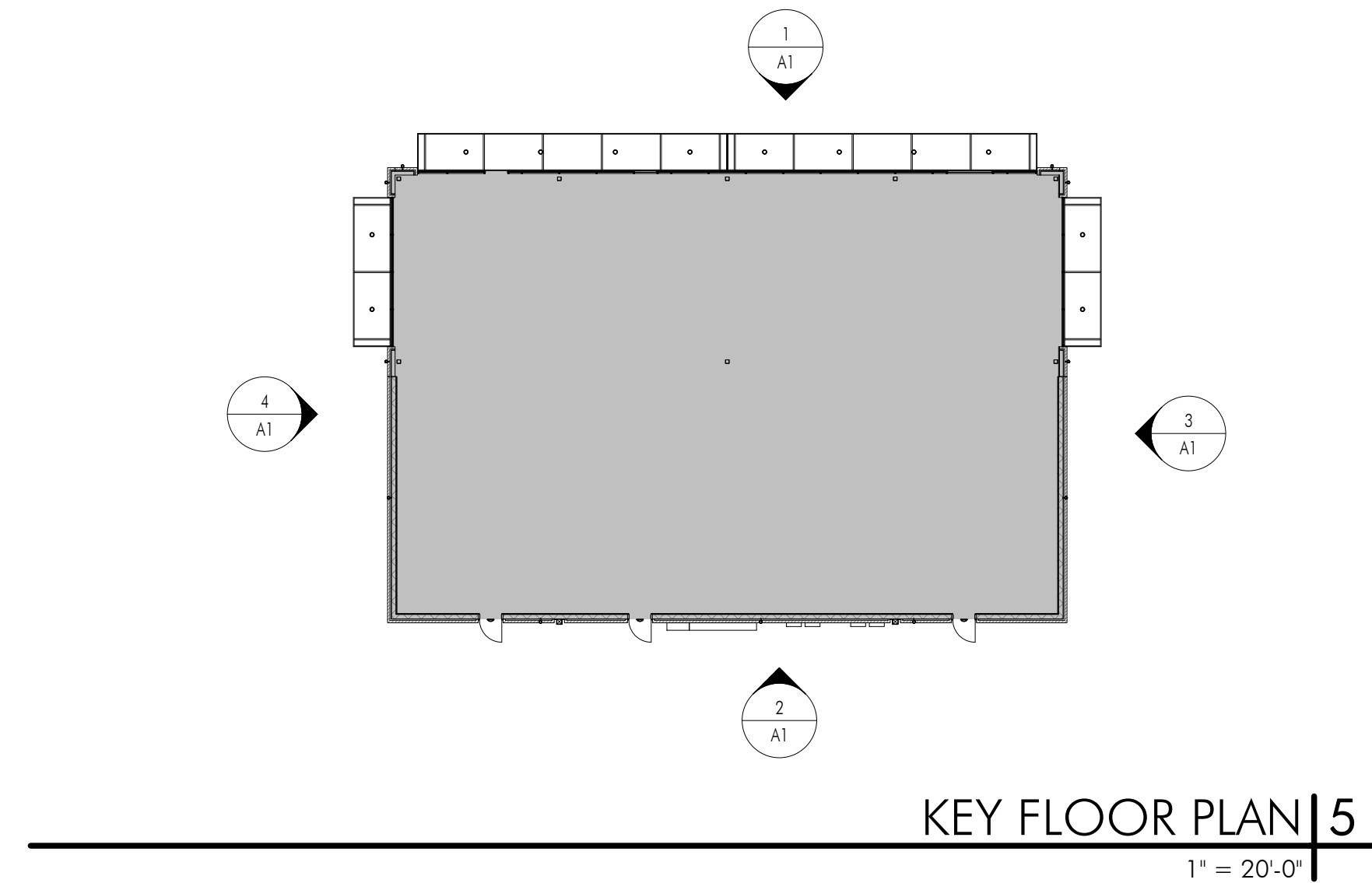
OVERALL BUILDING (MATERIALS %)					
PRIMARY FINISH	% REQ.	% PROVIDED	SECONDARY FINISH	% REQ.	% PROVIDED
STONE	20% (MIN)	0%	EIFS/ MTL/ CAST STONE (281 S.F.)	10% (MAX)	4%
BRICK (1,345 S.F.)		21%			
CMU (1,969 S.F.)		30%			
GLAZING (1,230 S.F.)		19%			
STUCCO (1,717 S.F.)	50% (MAX)	26%			
TOTAL (6,261 S.F.)	90% (MIN)	96%	TOTAL (281 S.F.)	10% (MAX)	4%

NORTH ELEVATION (MATERIALS %)					
PRIMARY FINISH	% REQ.	% PROVIDED	SECONDARY FINISH	% REQ.	% PROVIDED
STONE	20% (MIN)	0%	EIFS/ MTL/ CAST STONE (149 S.F.)	10% (MAX)	7%
BRICK (112 S.F.)		5%			
GLAZING (830 S.F.)		38%			
STUCCO (1,089 S.F.)	50% (MAX)	50%			
TOTAL (2,031 S.F.)	90% (MIN)	93%	TOTAL (149 S.F.)	10% (MAX)	7%

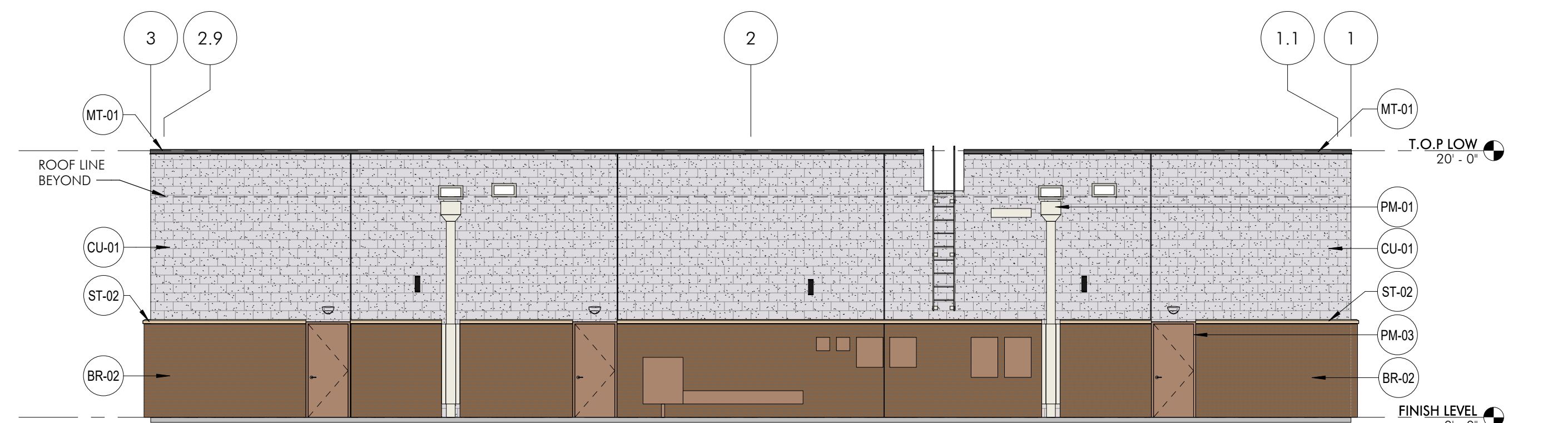
SOUTH ELEVATION (MATERIALS %)					
PRIMARY FINISH	% REQ.	% PROVIDED	SECONDARY FINISH	% REQ.	% PROVIDED
STONE	20% (MIN)	0%	EIFS/ MTL/ CAST STONE (26 S.F.)	10% (MAX)	1%
BRICK (547 S.F.)		32%			
CMU (1,145 S.F.)		67%			
TOTAL (1,692 S.F.)	90% (MIN)	99%	TOTAL (26 S.F.)	10% (MAX)	1%

EAST ELEVATION (MATERIALS %)					
PRIMARY FINISH	% REQ.	% PROVIDED	SECONDARY FINISH	% REQ.	% PROVIDED
STONE	20% (MIN)	0%	EIFS/ MTL/ CAST STONE (53 S.F.)	10% (MAX)	4%
BRICK (343 S.F.)		26%			
CMU (412 S.F.)		31%			
GLAZING (200 S.F.)		15%			
STUCCO (314 S.F.)	50% (MAX)	24%			
TOTAL (1,269 S.F.)	90% (MIN)	96%	TOTAL (53 S.F.)	10% (MAX)	4%

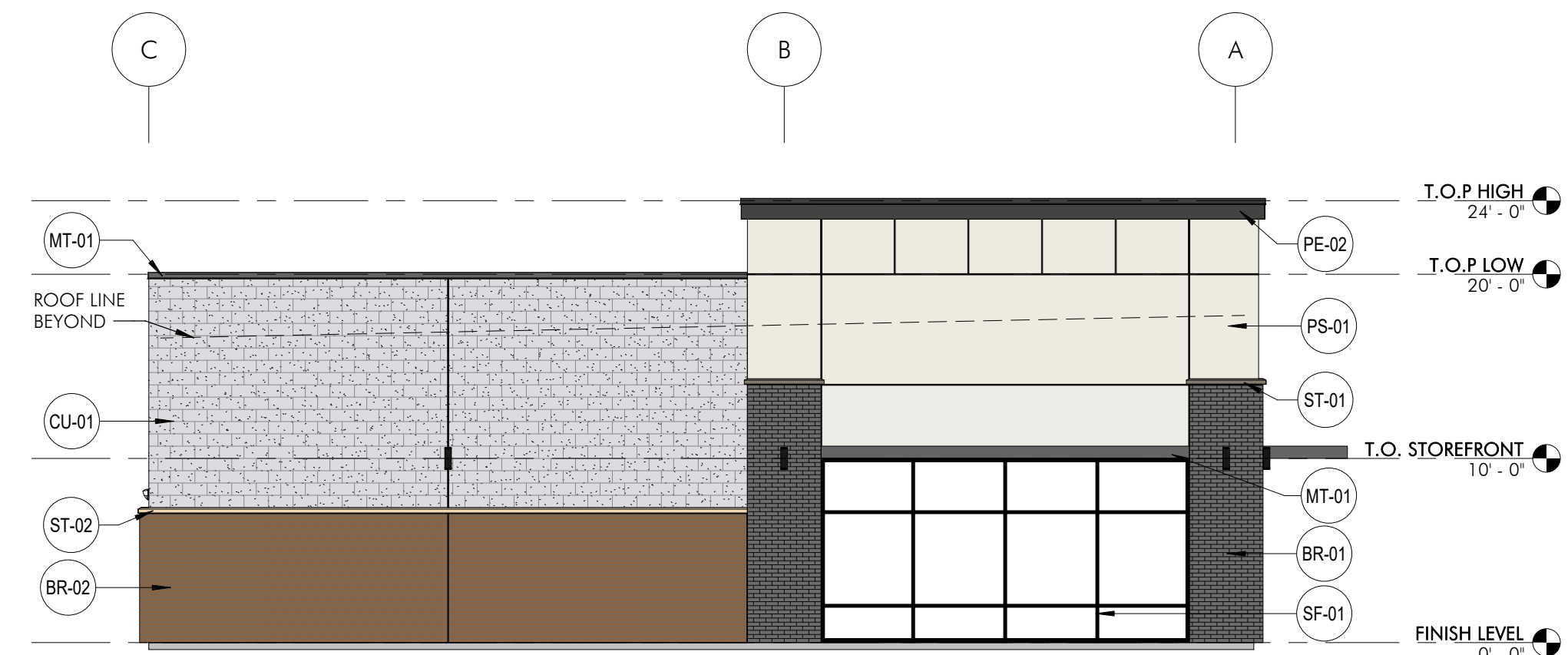
WEST ELEVATION (MATERIALS %)					
PRIMARY FINISH	% REQ.	% PROVIDED	SECONDARY FINISH	% REQ.	% PROVIDED
STONE	20% (MIN)	0%	EIFS/ MTL/ CAST STONE (53 S.F.)	10% (MAX)	4%
BRICK (343 S.F.)		26%			
CMU (412 S.F.)		31%			
GLAZING (200 S.F.)		15%			
STUCCO (314 S.F.)	50% (MAX)	24%			
TOTAL (1,269 S.F.)	90% (MIN)	96%	TOTAL (53 S.F.)	10% (MAX)	4%



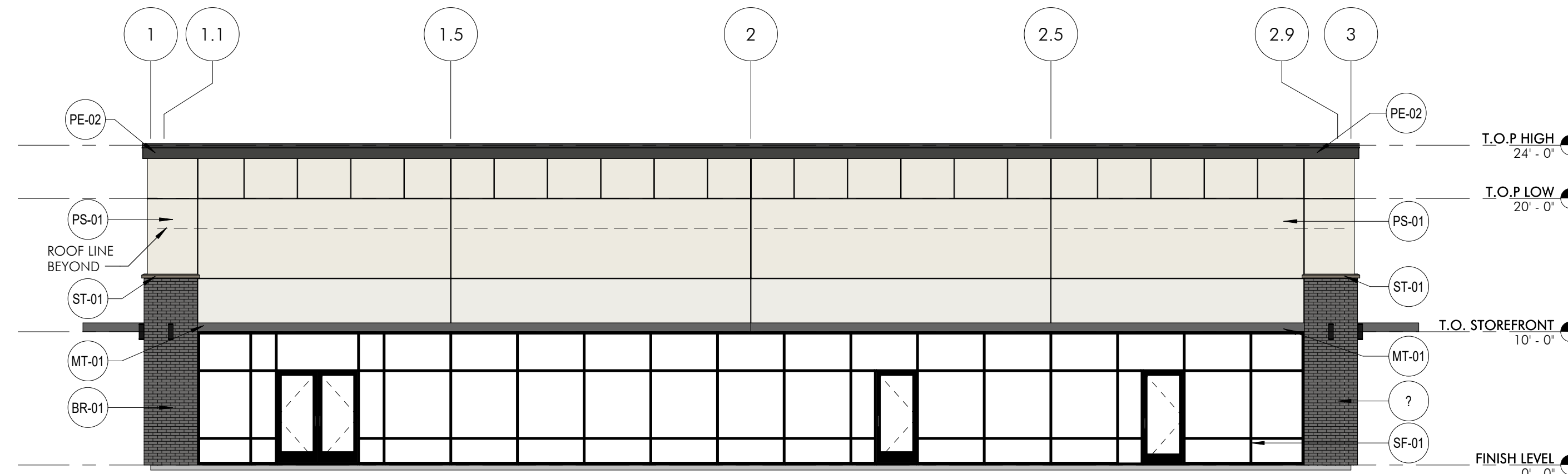
WEST ELEVATION | 4
1/8" = 1'-0"



SOUTH ELEVATION | 2
1/8" = 1'-0"



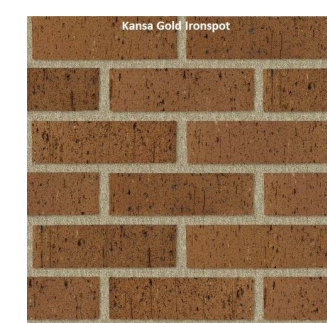
EAST ELEVATION | 3
1/8" = 1'-0"



NORTH ELEVATION | 1
1/8" = 1'-0"



BR-01
MASONRY BRICK
CLOUD CERAMICS
MIDNIGHT VELOUR



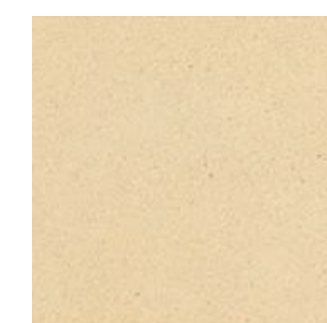
BR-02
MASONRY BRICK
CLOUD CERAMICS
KANSAS GOLD IRONSPOT



CU-01
SPLIT-FACE CMU
OLD CASTLE
WHITE LIMESTONE



ST-01
CALCIUM SILICATE
MASONRY UNIT
ARRISCRRAFT GRAPHITE



ST-02
CALCIUM SILICATE
MASONRY UNIT
ARRISCRRAFT CHAMPAGNE



MT-01
PREFINISHED METAL
CANOPY/ COPING
BERRIDGE CHARCOAL GRAY



PS-01/PM-01
PAINT
SHERWIN WILLIAMS
SW7008 ALABASTER



PE-02
INTEGRAL COLOR EIFS
SHERWIN WILLIAMS
SW7069 IRON ORE



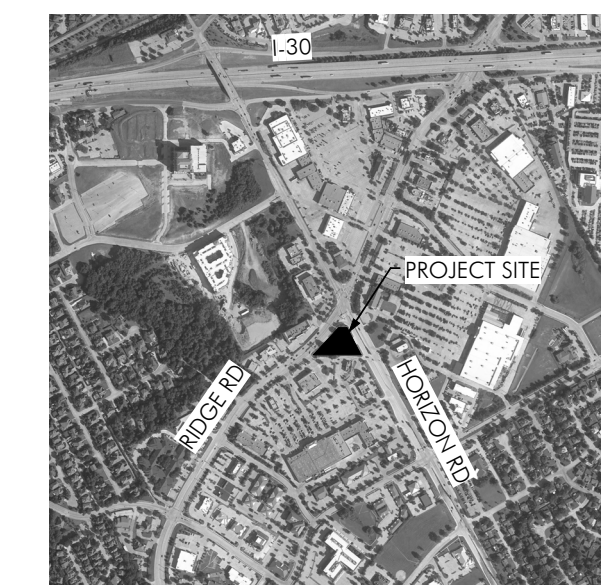
PM-03
PAINTED MTL
SHERWIN WILLIAMS
SW7715 POTTERY URN



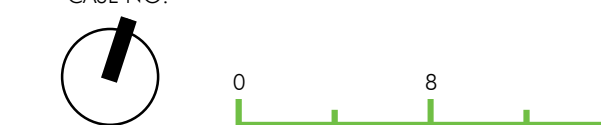
SF-01
STOREFRONT
KAWNEER
ANODIZED BLACK



R-01
ROOFING
TPO SINGLE-PLY
COLOR: WHITE



PROPOSED LAND USE: COMMERCIAL
CASE NO:



ISSUE	DATE	DESCRIPTION
	03/20/20	SITE PLAN SUBMITTAL

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the ____ day of _____, 20____.
WITNESS OUR HANDS, this ____ day of _____, 20____.

Planning & Zoning Commission, Chairman

Director of Planning and Zoning



Boucher Design Group, LLC
Members A.I.A.
6802 Maple Ridge Street, Suite 200
Bellaire, Texas 77401
Tel. 713.785.3644; www.bdgap.com

This document is an instrument of service protected by the copyright law of the United States of America, 17 U.S.C. § 102, and shall not be copied or reproduced without the express written consent of Boucher Design Group, LLC, 2020.

PRELIMINARY
MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION MARC E. BOUCHER, REGISTERED ARCHITECT, TEXAS NO. 14291, EXPIRES 05-31-20

KROGER OUTLOT
2901 RIDGE ROAD
ROCKWALL, TX 75032
SDI ROCKWALL HOLDINGS, LLC
1800 WEST LOOP S. STE. 1850
HOUSTON, TX 77027;
713.892.5200

DATE	03/20/20
PROJECT NO.	1702400
DRAWN BY	AK
CHECKED BY	JM

EXTERIOR ELEVATIONS

A1
© COPYRIGHT 2020 BOUCHER DESIGN GROUP, LLC



ISSUE	DATE	DESCRIPTION
	03/20/20	SITE PLAN SUBMITTAL

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the ____ day of
WITNESS OUR HANDS, this ____ day of _____, ____.

Planning & Zoning Commission, Chairman

Director of Planning and Zoning



Boucher Design Group, LLC
Members A.I.A.
6802 Mapleridge Street, Suite 200
Bellaire, Texas 77401
Tel. 713.785.3644; www.bdgop.com

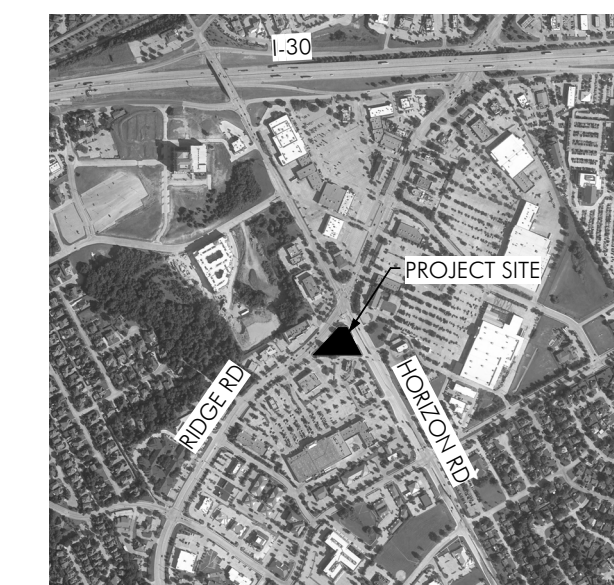
This document is an instrument of service protected by the copyright law of the United States of America, 17 U.S.C. § 102, and shall not be copied or reproduced without the express written consent of Boucher Design Group, LLC. 2020

PRELIMINARY
MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION MARC E. BOUCHER, REGISTERED ARCHITECT, TEXAS NO. 14291, EXPIRES 05-31-20

KROGER OUTLOT
2901 RIDGE ROAD
ROCKWALL, TX 75032
SDI ROCKWALL HOLDINGS, LLC
1800 WEST LOOP S. STE. 1850
HOUSTON, TX 77027;
713.892.5200

DATE	03/20/20
PROJECT NO.	1702400
DRAWN BY	AK
CHECKED BY	JM

BUILDING PERSPECTIVES



PROPOSED LAND USE: COMMERCIAL
CASE NO:



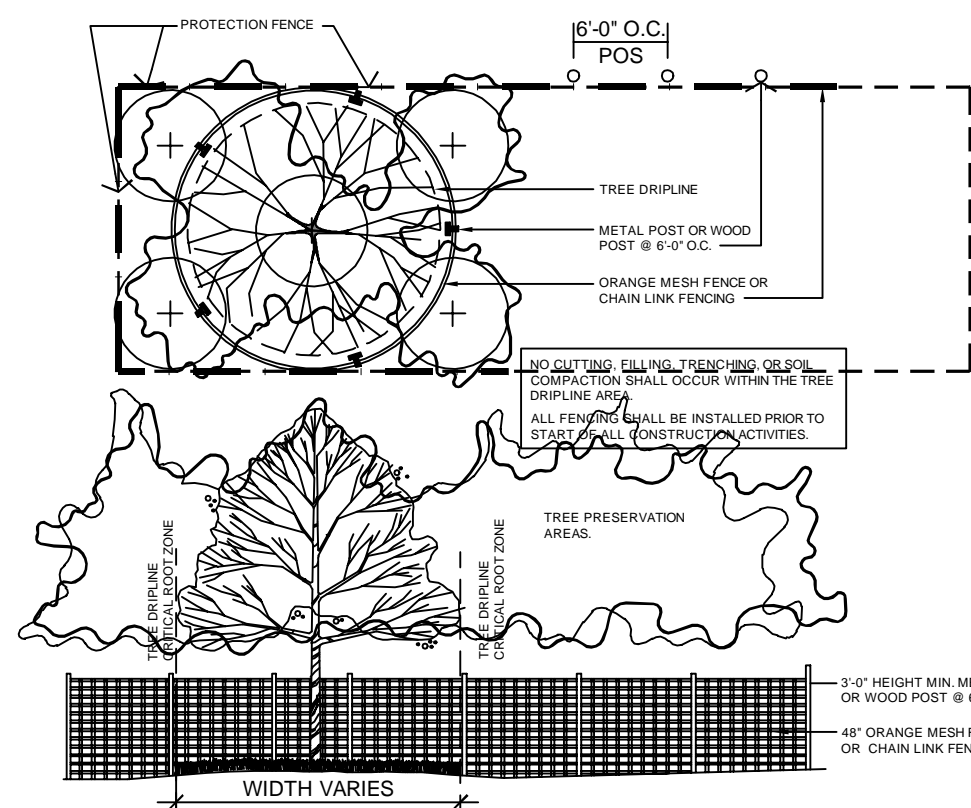
A2
© COPYRIGHT 2020 BOUCHER DESIGN GROUP, LLC

Landscape Requirements:

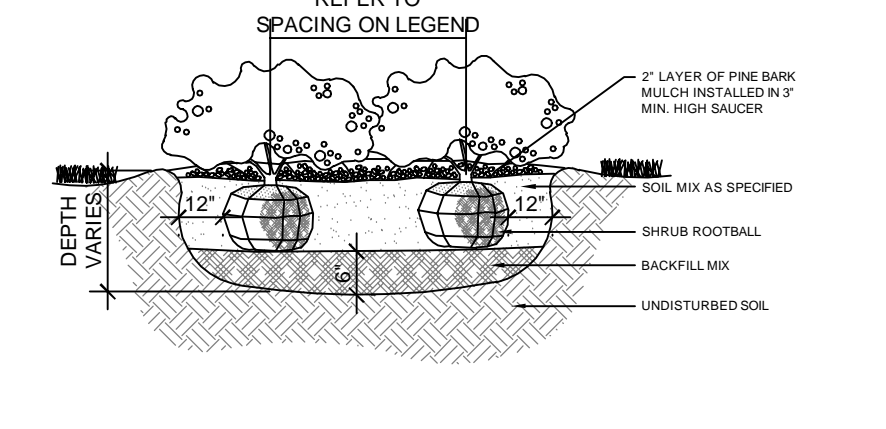
- Perform all work in accordance with all applicable laws, codes, and regulations required by authorities having jurisdiction over such work and provide all inspections and permits required by Federal, State, and local authorities in supply, transportation, and installation of materials.
- The contractor shall be responsible for the verification of all underground utility lines (telephone, gas, water, electrical, cable, TV, etc.) and all overhead utility easements prior to start of any planting works.
- All plant materials shall possess the following minimum qualities:
 - Plants shall be nursery grown in accordance with good horticultural practices under climatic conditions similar to those of the project for at least twelve months.
 - All plants shall be heavy, symmetrical, tightly knit, so trained or favored for development and appearance as to be superior in form, number of branches, compactness, and symmetry.
 - Plants shall be sound, healthy and vigorous, well branched, and densely foliated when in leaf. They shall be free of disease, insects, pests, eggs, or larvae.
 - All plants shall be true of species and variety and shall conform to measurements (caliper size, trunk heights, spread) as specified on the drawings.
 - Container grown stock when specified shall have grown in the container in which delivered for at least six months, but not over two years. Samples must prove no rootbound conditions exist.
 - Caliper measurements shall be taken at a point on the trunk six inches (6") above natural ground line for trees up to four inches (4") in caliper.
 - All trees shall be staked by a minimum of two metal "T" stakes for single trunk trees and three stakes for all multi-trunk trees.
- Planting mix shall be thoroughly mixed in the following proportions:
 - Prepared soil as backfill for shade and ornamental trees shall be: 5 part clay loam topsoil + 2 part compost + 1 part sharp sand + 4 Lbs. Commercial fertilizer per CY or 10 Lbs. Organic fertilizer.
 - Prepared soil as backfill for shrubs and groundcovers and seasonal colors shall be: 1 part enriched mulch + 1 part compost bark mulch + 1 part enriched topsoil + 1 part No. 1 Bank Sand + 3 Lbs. Time-released fertilizer, 14-14-14 per CY or 8 Lbs. Organic fertilizer.
- Excavation work and Surface drainage works shall conform to the following requirements:
 - Test drainage of plant beds and plant pits by filling with water twice in succession. Conditions permitting the retention of water for more than 24 hours shall be brought to the attention of the Owner.
 - Work shall include the final responsibility for proper surface drainage of planted areas. Any obstructions on the site, or prior work done by another party, which precludes establishing proper drainage shall be brought to the attention of the Owner in writing.
 - Excavate each tree hole 18" deep plus the depth of the tree container size (15 gal. Or 30 gal. Or 65 gal. Or 100 gal.).
 - Excavate entire shrub bed to a depth of 8" plus the depth of the shrub container size (5 gal.) unless noted as being pit planted on landscape legend.
 - Excavate entire groundcover bed to a depth of 6" plus the depth of the groundcover container size (4" pot or 1 gal.).
- Additional work requirements on landscape areas:
 - Prior to installation of any planting works (trees, shrubs, groundcover and grass works); apply "Round Up" in all planting areas to eradicate all weed growths on site.
 - ADD ALTERNATE:** Install weed control barriers in all trees, shrub and groundcover planting areas. Weed barrier fabric shall be back polypropylene sheet 27 mils thick, 4 oz./y. grab tensile strength per ASTM D-6632; 90 lbs. (machine direction) 50 lbs. (cross machine direction). Provide DeWitt "Weed Barrier" or approved substitute.
 - Use "Shovel Edge" to separate all plant beds from grass areas.
 - Spread a minimum two inch layer of pine bark mulch overall shrub and groundcover bed areas.
- Landscape maintenance work by the Landscape Contractor after final acceptance shall include the following:
 - The maintenance period shall commence upon inspection and approval at Final Acceptance and shall be for a period of Sixty Days (60).
 - The landscape contractor shall coordinate the watering program for all the landscape work with the Owner.
 - Maintenance of new plantings shall consist of watering, cultivating, weeding, mulching, restaking, tightening and repair of guys; resetting plants for proper grades or upright position, and furnishing and application of pesticides/herbicides; sprays, and invigorants as are necessary to keep plantings free of insects and disease and in a thriving condition.
- Warranty Periods, Plant Guarantees, and Replacements:
 - Planting supplied shall be warranted to remain alive and healthy for a period of twelve months (12) after the date of Final Acceptance by Owner. Plants in an impaired, dead, or dying condition after initial acceptance or within 12 months shall be removed and replaced immediately to the satisfaction of the Owner.

Special Notes for Protection of Existing Trees:

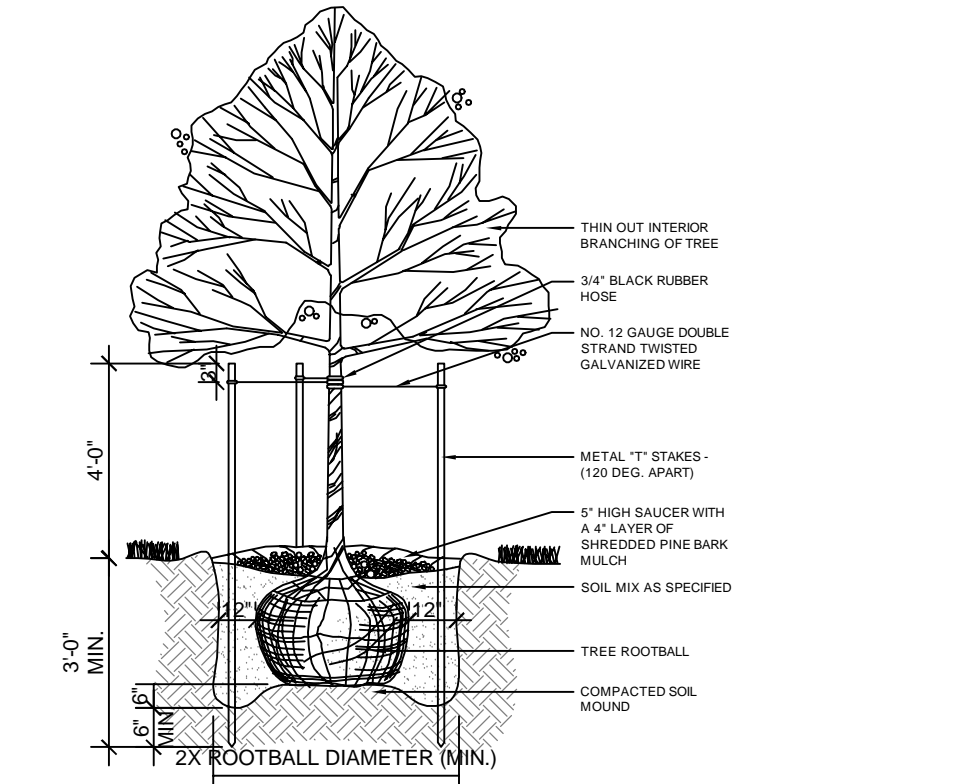
- Tree protection fencing shall be installed to eliminate activities detrimental to trees including but not limited to the following:
 - Soil compaction in the critical root zones resulting from heavy equipments, vehicular or excessive pedestrian traffic or storage of equipments or materials.
 - Root disturbance due to cuts, fills, or trenching works.
 - Wounds to exposed roots, trunks or limbs by mechanical equipments.
 - Other activities such as chemical storage, cement truck cleaning, fire, etc. are not acceptable or allowed around existing trees designated to remain on site.
- Location and types of tree protection devices:
 - Tree protection devices are to be installed to completely surround the critical root zones (tree dripline) of all trees to be preserved.
 - Tree protection fencing shall consist of chain link fencing or accepted substitutes (orange colored fabric mesh membrane). In addition to fencing, where tree trunks are in jeopardy of being damaged by equipments, 2x4 inch boards may be required to be strapped around the trunks of trees.
 - Tree protection fence may be installed around a grouping of existing trees for better control.
- All tree protection fencing shall be installed prior to any clearing, grubbing or grading. Tree protection fences must remain in functioning condition throughout all phases of the site development/construction.
- The contractor shall provide Class One Tree works for all trees designated to remain on the project site. Work shall include required root pruning; removal of dead/dying branches, trimming/thinning out of tree branches; repair of tree cavities and other tree damages. Trees shall be fertilized annually. A 3-1-1 ratio of nitrogen, phosphorus and potassium containing slow release, non-burning nitrogen should be applied according to manufacturer's instructions.
- All existing trees to remain shall be maintained by a certified tree arborist.
- During construction, no excess soil, additional fill, equipment, liquids or construction debris shall be placed inside the protective barrier, upon the root protection zone, nor shall any soil be removed from within the barrier.
- The proposed finished grade and elevation of land within the root protection zone of any tree to be preserved shall not be raised or lowered more than one inch. Welling and retaining methods are allowed outside the root protection zone and shall be done in conformance with the Texas A & M University, Extension Landscape Horticulture, Protecting Existing Landscape Trees from Construction Damage Due to Grade Changes*, Everett E. Janne and Douglas F. Welch, PhD, authors.



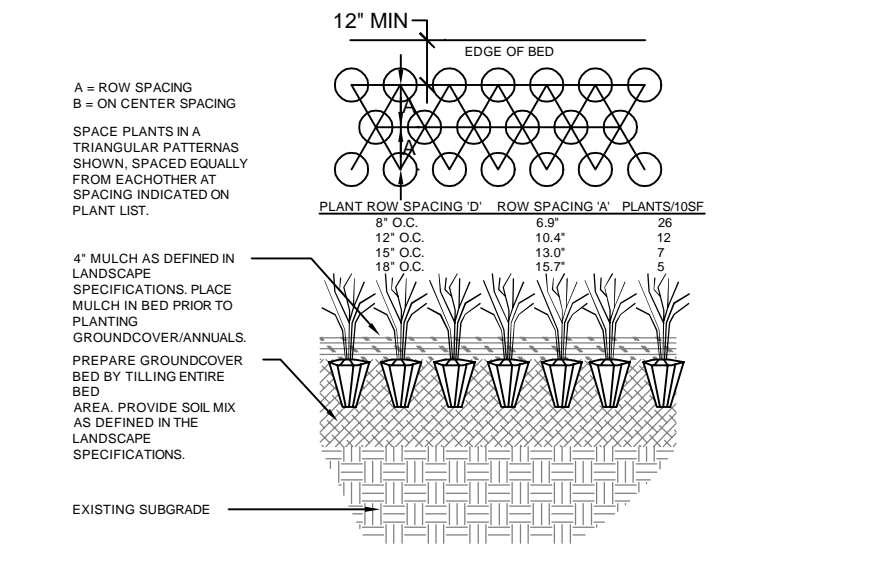
A TREE PROTECTION DETAIL
SCALE: NOT TO SCALE



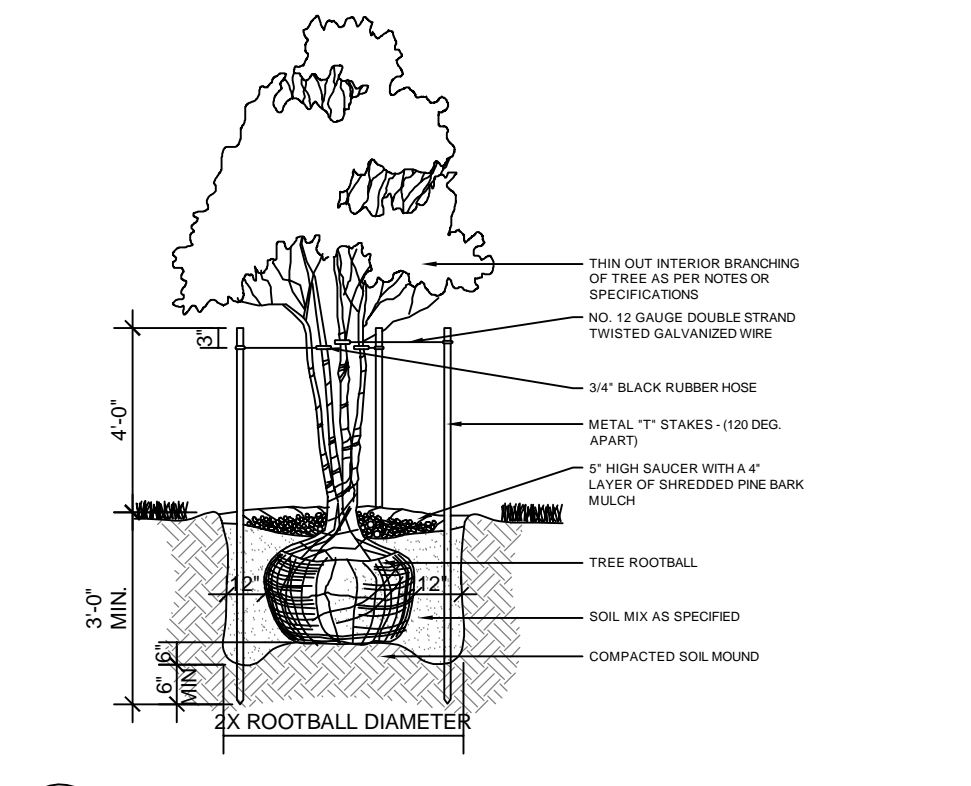
D SHRUB PLANTING
SCALE: NOT TO SCALE



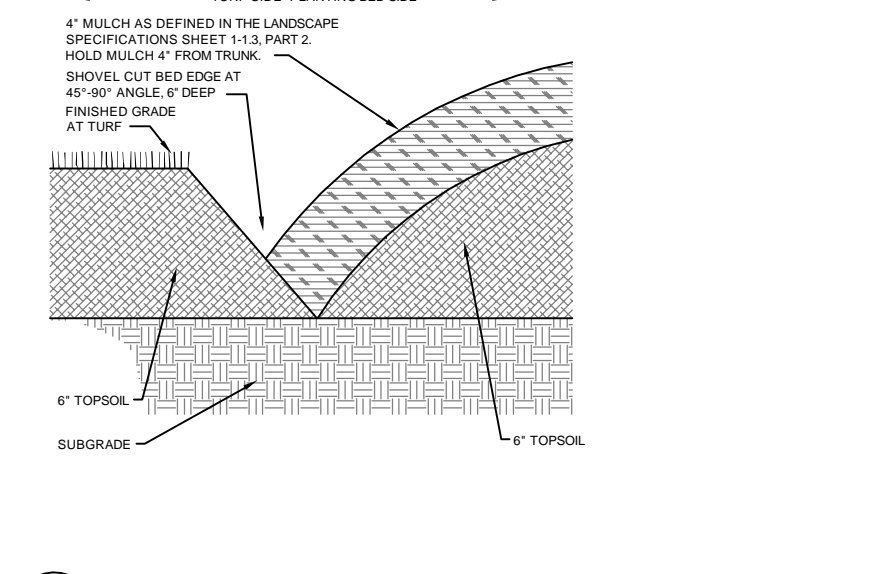
B SINGLE-TRUNK TREE PLANTING
SCALE: NOT TO SCALE



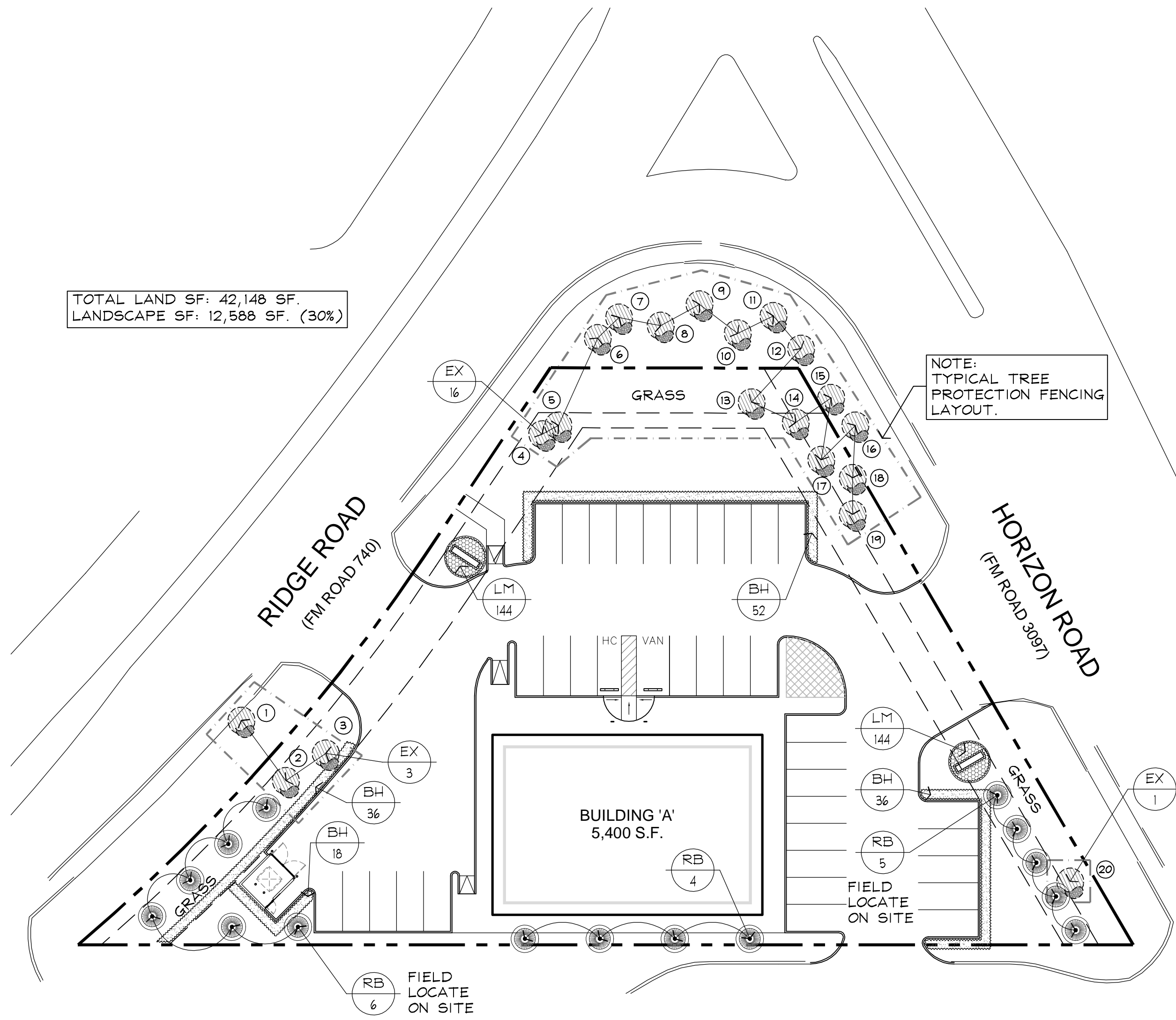
E GROUNDCOVER PLANTING
SCALE: NOT TO SCALE



C MULTI-TRUNK TREE PLANTING
SCALE: NOT TO SCALE



F SHOVEL CUT BED EDGE
SCALE: NOT TO SCALE



TOTAL LAND SF: 42,148 SF.
LANDSCAPE SF: 12,588 SF. (30%)

Landscape Legend:

Symbolic Name	Quantities (Verify)	Botanical Name	Common Name	Size and Plant Requirements
EX	20			Existing trees to be remain and be protected by tree fencing as shown. Refer to Tree Inventory Table for tree type and caliper sizes. Refer to Tree Preservation requirements this sheet.
RB	15	Cercis Canadensis	Texas Redbud	2" cal. 30 gal. container; 6' to 7' ht. Tree Form.
BH	142	Ilex Burfordii	Dwarf Burford Holly	5 gal. planted at 36" o.c. single row.
LM	288	Liriope Muscari	Big Blue Liriope	1 gal. planted at 12" o.c. triangularly spaced.
Grass	Verify SF.	Cynodon Dactylon	Common Bermuda	Hydromulched for all areas within limits of this project plus all right of way areas. All areas to be grassed shall be cleaned up of all construction debris and shall be fine graded to adhere to civil grading/drainage plan.

Existing Trees to Remain:

Tree No.	Type of Tree	Tree Caliper
01.	Hackberry	18"
02.	Oak	16"
03.	Oak	7"
04.	Oak	16"
05.	Oak	8"
06.	Cypress	10"
07.	Cypress	11"
08.	Cypress	11"
09.	Cypress	13"
10.	Cypress	13"
11.	Cypress	14"
12.	Cypress	11"
13.	Oak	12"
14.	Oak	22"
15.	Oak	11"
16.	Oak	8"
17.	Oak	12"
18.	Oak	12"
19.	Oak	17"
20.	Oak	16"

LANDSCAPE CALCULATIONS:

- SITE AREAS: 40,148 SF.
 - LANDSCAPE AREAS REQUIRED: 20% OR 8,030 SF.
 - LANDSCAPE AREAS PROVIDED: 31% OR 12,588.00 SF.
 - TOTAL BUILDING SF. 5400.00 SF.
 - TOTAL IMPERVIOUS AREAS: 27,550.00 SF.
 - TOTAL PARKING REQUIRED: 37 PARKING PROVIDED: 37 PLANTING REQUIREMENTS:
- HORIZON ROAD @ 222.18 LF /50 = 5 CANOPY + 5 ACCENT TREES REQUIRED
12 EXISTING CANOPY TREES PRESERVED + 5 ACCENT TREES PROVIDED
 - RIDGE ROAD @ 250 LF /50 = 5 CANOPY + 5 ACCENT TREES REQUIRED
7 EXISTING CANOPY TREES PRESERVED + 4 ACCENT TREES PROVIDED

Owner's Responsibility For Maintenance
Client acknowledges and agrees that proper Project maintenance is required after the Project is complete. A lack of or improper maintenance in areas such as, but not limited to, operation and maintenance of automatic irrigation system, all site drainage and all planting materials maintenance may result in damage to property or persons. Client further acknowledges that he is solely responsible for the results of any lack of or improper maintenance.

Landscape Contractor's Responsibilities:
All drainage (surface and subsurface) of all landscape areas within the project limits shall be the responsibility of the installing landscape contractor and landscape maintenance company. All grading of areas along all building areas must absolutely have positive slope away from building. In no case shall any plant bed be constructed along edge of building that will impede water flow away from building. If planting beds are located at edges of building, landscape contractor shall make sure that these areas drain properly (surface and subsurface-wise). Contractor shall install moisture barrier along building as necessary to keep water from penetrating underneath building slab.

REFER TO FINISHED GRADES SHOWN ON PROJECT CIVIL GRADING PLAN. IT WILL REPRESENT FINAL ELEVATIONS. CARE SHOULD BE TAKEN BY THE LANDSCAPE CONTRACTOR NOT TO INCREASE THESE FINISHED GRADES WITH LANDSCAPING OR OTHER ALTERATIONS. THE THICKNESS OF SOIL, GRASS AND LANDSCAPING MATERIALS SHOULD BE DEDUCTED FROM THE FINISHED GRADE ELEVATIONS IN THESE CIVIL GRADING PLANS IN ORDER TO DETERMINE THE GROUND ELEVATIONS DURING CONSTRUCTION.

1 LANDSCAPE PLAN
SCALE: 1" = 30'-0"

ISSUE	DATE	DESCRIPTION
	03/11/2020	ISSUE FOR PERMIT
	03/20/2020	SITE PLAN SUBMITTAL

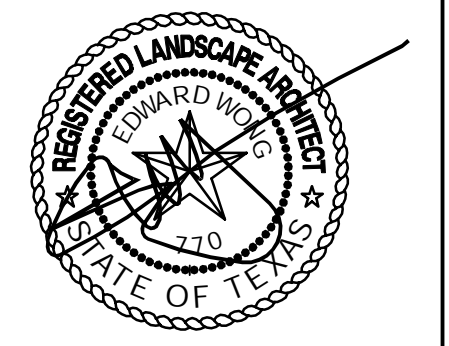
APPROVED: I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the ____ day of _____, 20__.

WITNESS OUR HANDS, this ____ day of _____, 20__.

Planning & Zoning Commission, Chairman

Director of Planning and Zoning

Boucher Design Group LLC
Members A.I.A.
6802 Maple Ridge, Suite 200
Bellaire, Texas 77401
Tel. 713.785.3644
www.bdgap.com



Wong & Associates, Inc.
P.O. Box 2028 Bellaire, Texas 77402-2028
Tel. 713-277-9108 Fax 713-557-9298
Member, American Society of Landscape Architects

KROGER OUTLOT
2901 Ridge Road
Rockwall, Texas 75032

SDI Rockwall Holdings, LLC
1800 West Loop South
Suite 1850
Houston, Texas 77027

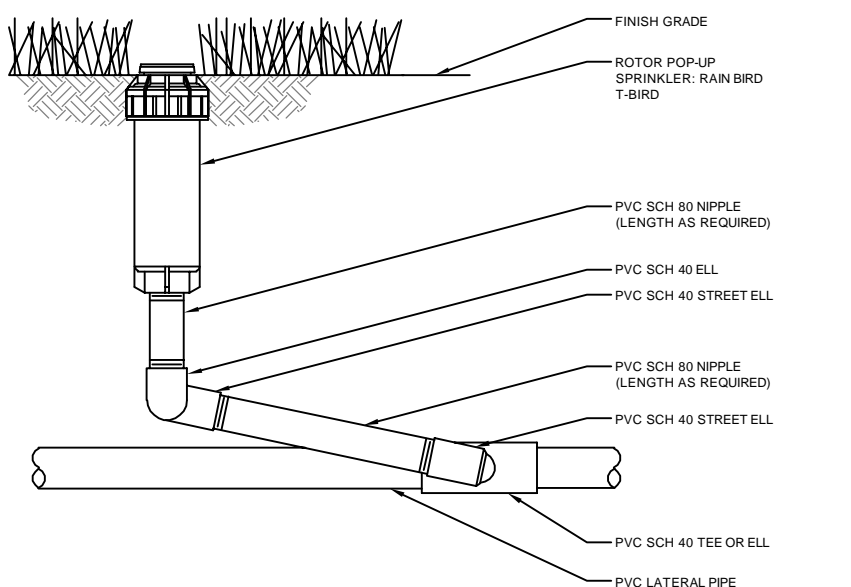
DATE: 03/20/20
PROJECT NO.: 1702400
DRAWN BY: EW/SR
CHECKED BY: EW

LANDSCAPE PLAN

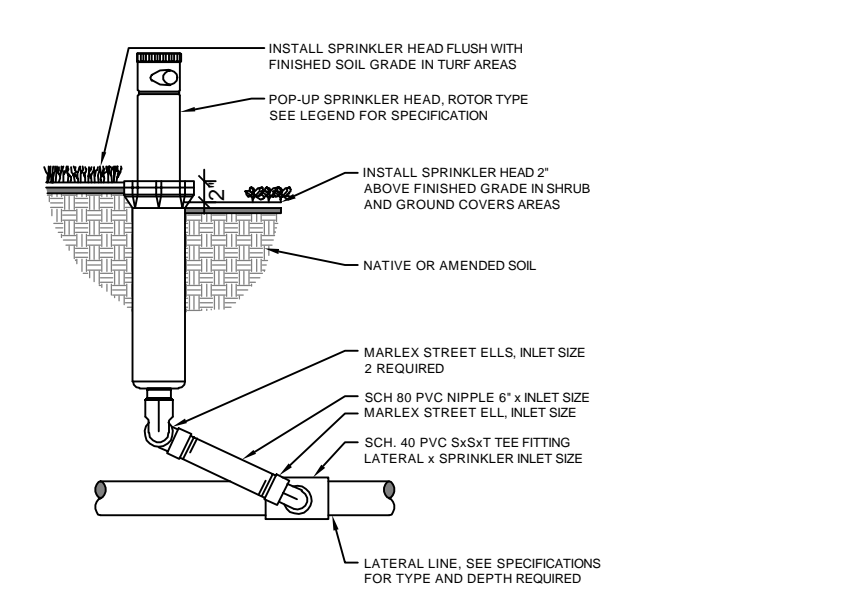
L1.1

Irrigation General Notes:

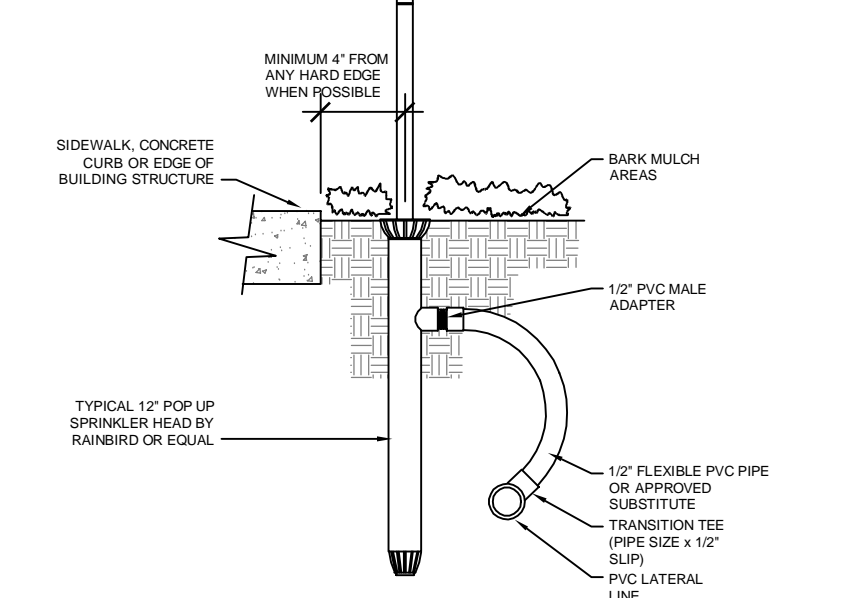
- ALL materials and equipment shall conform to all applicable State of Texas, City and County codes.
- The irrigation contractor shall be responsible for securing all permits prior to actual work on site.
- The intent of the 100% coverage of all landscape areas.
- Prior to commencement of work, the irrigation contractor shall contact the Owner to coordinate all required inspections.
- Extreme care shall be exercised in excavating and working near existing utility easements. The irrigation contractor shall be responsible for the verification of all utility locations (telephone, TV, gas electrical, water, cable, etc.). The irrigation contractor shall be responsible for all damages inflicted on any and all utility lines.
- The Irrigation contractor shall at all times protect his work from damage and theft and replace all damaged or stolen parts at his expense until receipt of the Certificate of Substantial Completion from the Owner. The Irrigation contractor shall flush and adjust the system for optimum performance. This shall include regulating the pressure at each valve to obtain the optimum operating pressure for each system. Use glue joints in mainline passing through sleeves under pavement. PVC sleeves shall be Schedule 40 and shall extend 24" out of the nearest existing pavement areas for easy location. The irrigation contractor shall be responsible for coordinate all sleeve locations on the project site with the Owner and/or general contractor.
- The irrigation contractor shall also comply to these additional special requirements to the irrigation system shall include the following:
 - All mainlines shall have a minimum of 18" of cover (Sch. 40 PVC Pipe).
 - All lateral and sub-main pipe to have a minimum of 12" of cover (Sch. 40 PVC Pipe).
 - No rocks, boulders or other extraneous materials shall be used for backfilling of trenches.
 - All pipes to be installed as per manufacturer's specifications.
 - All threaded joints to be coated with Teflon tape or Liquid Teflon.
 - All lines to be thoroughly flushed before installation of any sprinkler heads.
 - Sprinkler and related equipments shall be installed as per manufacturer's specification.
 - No electrical connections shall be made in the field except at a valve control box or another valve box specifically for connections.
 - All 24 volt wire shall be No. 12UF/UL for common wire and No. 14 UF/UL for control wires, direct burial shall be solid copper.
 - The irrigation contractor shall be responsible for proper coverage of areas to be watered; i.e. adjust heads with insufficient coverage due to blockage by existing or proposed site features or sizing down sprinkler heads to avoid excessive overwater.
 - The irrigation contractor shall refer to landscape planting plan to keep sprinkler equipments and accessory materials from interfering with proper planting; i.e. Verify rootball size for planting; configuration of shrub/groundcover beds, etc.
 - The irrigation contractor shall provide expansion coils at each wire connection in valve box (wrap around 3/4" pipe 12 times).
 - The irrigation contractor shall utilize appropriate automatic drain device where low head drainage may occur.
 - All sprinkler heads shall be mounted on swing joints unless otherwise noted.
 - The irrigation contractor shall install a separate common for each controller.
 - 24 Volt wire shall be color coded: Common shall be white and Control red.
 - The irrigation contractor shall install manufacturer's recommended grounding equipment for power supply and valve output with (2) 5/8" copper clad ground rods.
 - The irrigation contractor shall install manufacturer's recommendation on fault ground and lightning protection.
 - The irrigation contractor shall furnish the owner with the following : 2 wrenches for disassembling and adjusting each type of sprinkler heads and valves + 2 keys for the automatic controller +2 quick coupler keys with matching hose swivels.
 - The irrigation contractor shall add extension risers to pop up sprinklers when needed for proper coverage. Coordinate with landscape contractor as to where risers for sprinkler heads are required.
 - The irrigation contractor shall install sprinkler equipments 12" from all buildings foundations and install sprinklers 4" from any curbs or walkways.
 - The irrigation backflow prevention device shall be installed within areas of proposed shrub plantings. The purpose of this is to keep the device screened from view.
- The entire irrigation system (labor and materials) shall be guaranteed and warranted for a period of one year. The warranty period shall commence upon final acceptance by Owner of all landscape and irrigation works.
- The irrigation contractor for the project must be licensed to do business within the State of Texas , as required by TCEQ.
- This irrigation plan is diagrammatic only. Irrigation contractor shall provide final irrigation design layout plan complete with licensed irrigator's seal and signature. All applicable design calculations shall be shown on this irrigation plan to comply with all TCEQ requirements.



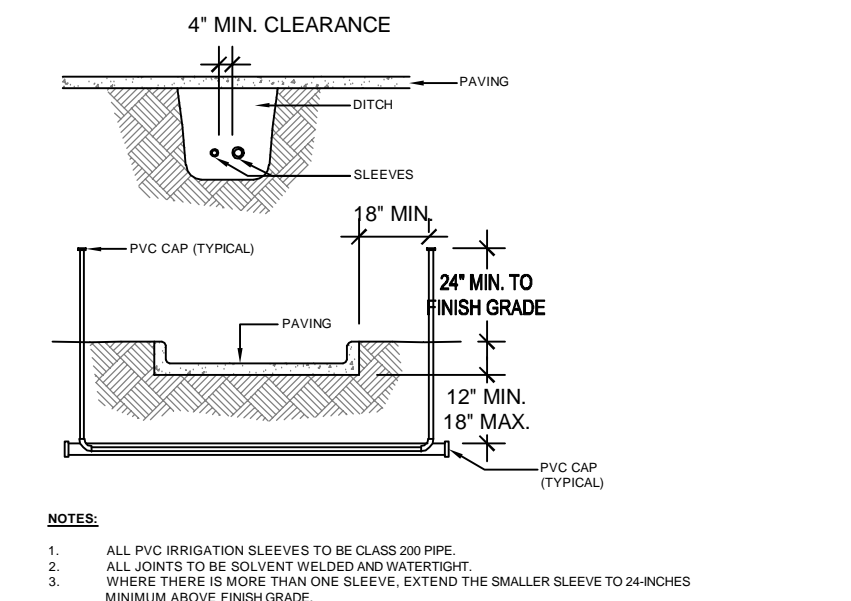
A ROTARY SPRINKLER
SCALE: NOT TO SCALE



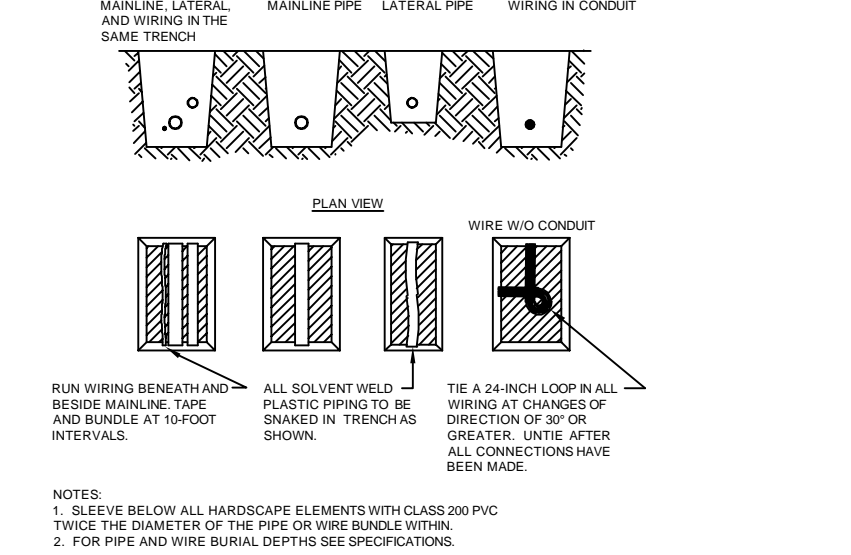
B POP UP SPRINKLER ROTOR TYPE (6")
SCALE: NOT TO SCALE



C POP UP SPRAY HEAD (12")
SCALE: NOT TO SCALE

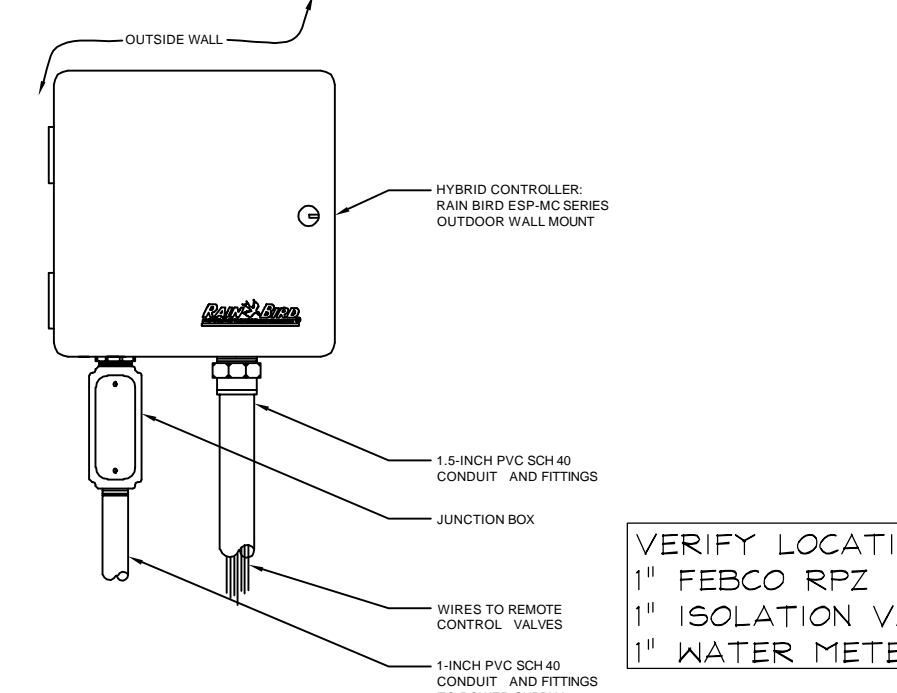


D SLEEVING
SCALE: NOT TO SCALE

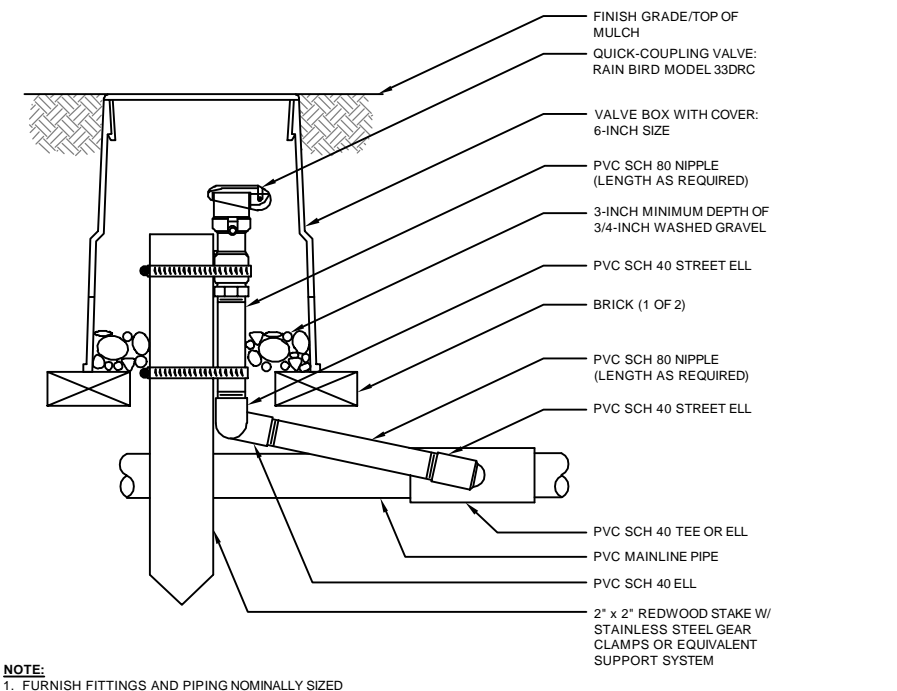


E TRENCH DETAIL
SCALE: NOT TO SCALE

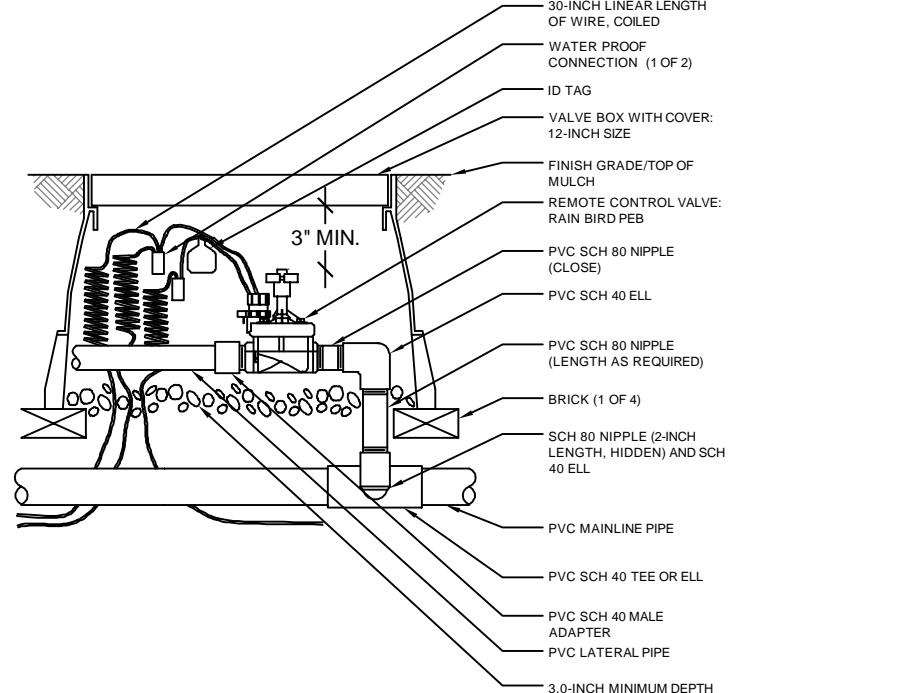
F ISOLATION/SHUT-OFF VALVE
SCALE: NOT TO SCALE



G IRRIGATION CONTROLLER
SCALE: NOT TO SCALE

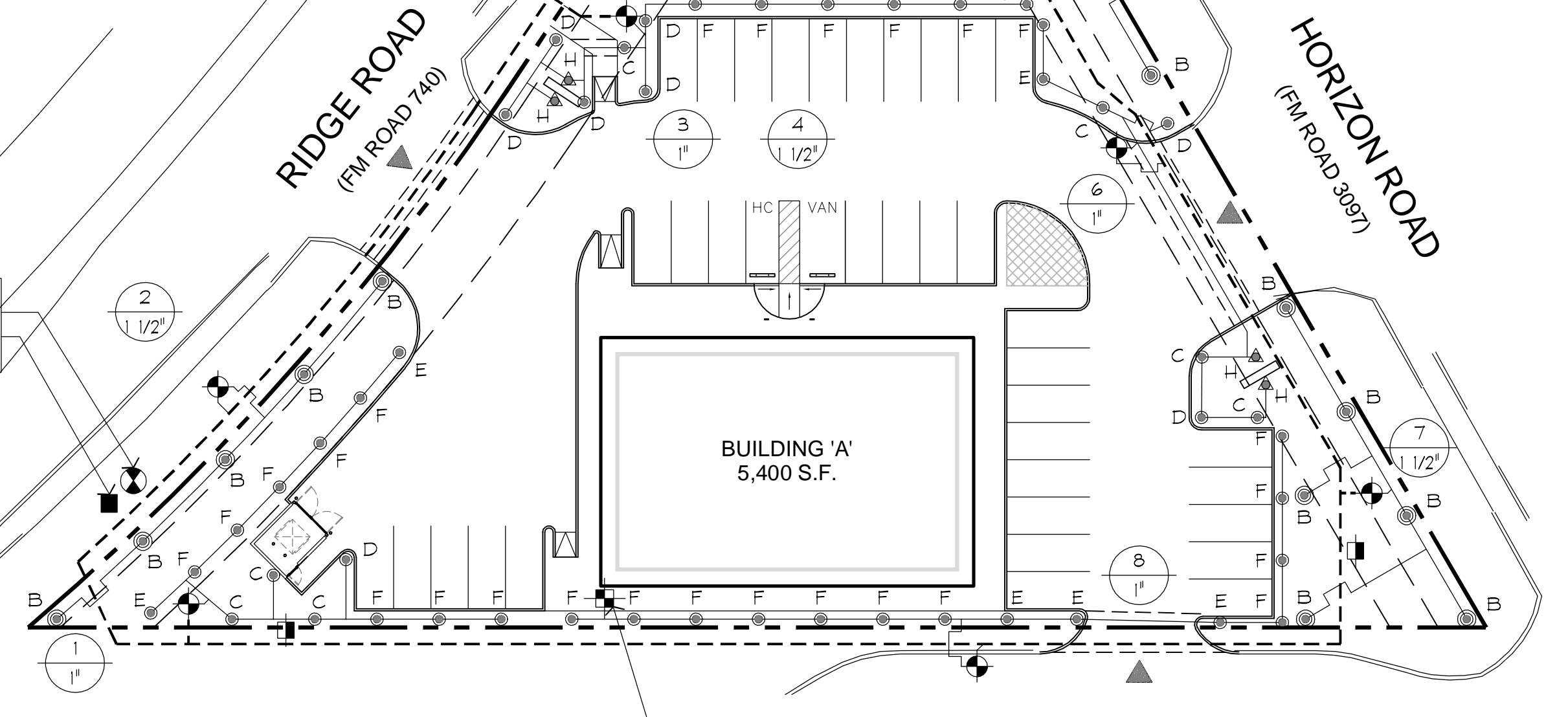


H QUICK COUPLING VALVE
SCALE: NOT TO SCALE

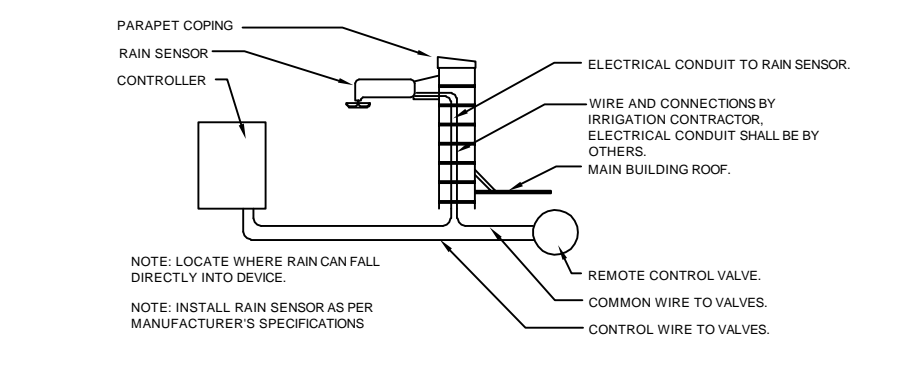


I REMOTE CONTROL VALVE
SCALE: NOT TO SCALE

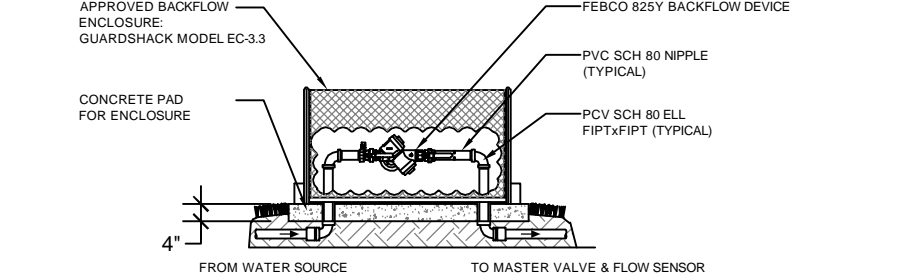
NOTE:
HANDTRENCHING ONLY
AROUND CANOPY/DRIP LINE
OF ALL EXISTING TREES.



NOTE:
VERIFY LOCATION FOR IRRIGATION
CONTROLLER. COORDINATE POWER
TO CONTROLLER WITH GC ON SITE.



J RAIN SENSOR INSTALLATION DETAIL
SCALE: NOT TO SCALE



K FEBCO 825Y RPZ BACKFLOW DEVICE
SCALE: NOT TO SCALE

Irrigation Legend:

Sym	Sym	Irrigation Equipment and Manufacturer	Sprinkler Specification	GPM
		Hunter I-20 Rotary Sprinkler		
A	⊙	I-20-36V 4"-1.0 nozzle Full Circle	30'-0" radius	4.00
B	⊙	I-20-ADS 4"-1.0 nozzle Part Circle	30'-0" radius	2.00
		Rainbird 1806 Pop Up Sprinkler or equal.		
C	⊙	RB 1806 Half 180 degree	12'-0" radius	1.30
D	⊙	RB 1806 Qtr. 90 degree	12'-0" radius	0.65
E	⊙	RB 1806 Low Angle End Strip Nozzle	4'x15'	0.61
F	⊙	RB 1806 Low Angle Center Strip Nozzle	4'x30'	1.21
		Rainbird 1812 Shrub Pop Up Sprinkler or equal.		
G	⊙	RB 1812 Full 360 degree mounted on 24" Sch. 40 riser	12'-0" radius	2.60
H	⊙	RB 1812 Half 180 degree	12'-0" radius	1.30
J	⊙	RB 1812 Qtr. 90 degree	12'-0" radius	0.65
		Rainbird PEB series Electric Remote Control Valves with sizes as noted plan.		
	■	One (1) 1" water meter Supplied and installed by irrigation contractor for the irrigation system. Water meter to be installed as per city and county codes.	Verify point of connection.	
	⊙	One (1) 1" FEBCO RPZ & 1" ISOLATION VALVE to be installed as per city and county code by irrigation contractor. Install BPDI Guardshack Enclosure GS-3.3 to protect backflow devices. Verify location on site.		
	⊞	Rainbird 33 DRC quick coupling valve. (valves to be installed below grade inside valve box)	Total (3) field located on site.	
	⊞	One (1) Rainbird ESP 8 LX Irrigation controllers. Verify location and coordinate electrical requirements for controller with General contractor and / or owner. Install Rainbird Rain Sensors within close proximity of controller location. Verify location with Owner.		
	---	Pressure Line shall be 1 1/2" sch. 40 PVC pipe. Install "Thrust Blocks" as required. Install appropriate Gate Valves where noted.		
	==	6" Sch. 40 PVC irrigation sleeves unless noted as 4" on plan. Verify location of all sleeves on project site.		
	—	1/2" Sch. 40 PVC non pressure line.		
	—	3/4" Sch. 40 PVC non pressure line.		
	—	1" Sch. 40 PVC non pressure line.		
	—	1-1/2" Sch. 40 PVC non pressure line.		
	⊞	Sequence of Irrigation Valve		
	⊞	Size of Irrigation Valve		

E TRENCH DETAIL
SCALE: NOT TO SCALE

DESIGN DISCLAIMER:
This irrigation drawing is a preliminary layout. It is a diagrammatic representation for purpose of providing a basic depiction of the scope of coverage, initial valve zoning, with head type and placement. The Irrigation drawing does not provide necessary zone flow, hydraulic calculations to determine Design Pressure. These are defined in Texas Administrative Code §3346.01 **Minimum Standards for Design of the Irrigation Plan**, and required by the T.C.E.Q. for a complete Irrigation Plan and for Permit and Construction. It will be the responsibility of the installing licensed irrigator or irrigator-in-charge, to use information provided on this Preliminary Irrigation drawing to provide a final Irrigation Plan meeting all standards as required by T.C.E.Q. Signed and Sealed.
Wong & Associates, Inc. shall not be responsible and accepts no liability for design failure, inaccurate head layout, incorrect hydro-zoning, pipe sizing, zone flow or hydraulic calculations, irrigation equipment, or aspects of the preliminary design drawing not in compliance with local irrigation regulations. The irrigation contractor shall be ultimately responsible for the final design, installation and proper operation of the irrigation system.

Disclaimer
Wong & Associates, Inc. shall not be responsible for the operation and/or maintenance of the irrigation system, once the date of final acceptance by the owner is established. All grades and elevations on the project shall be set by the project civil engineer. The Owner shall be responsible for the monitoring and the maintaining of the irrigation system. Monthly moisture sensor tests of all sprinkler zones around all building pads and on entire property, shall be performed by the Owner to ensure that no over-watering and/or any irrigation system leaks are present. The irrigation contractor shall be responsible for providing all guarantee and warranties for the irrigation system. The irrigation contractor shall be ultimately responsible for the installation and proper operation of the irrigation system.

1 IRRIGATION PLAN
SCALE: 1" = 30'-0"

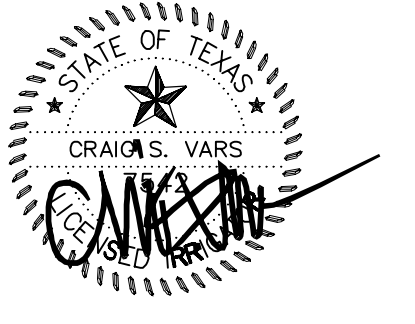
ISSUE	DATE	DESCRIPTION
	03/11/2020	ISSUE FOR PERMIT
	03/20/2020	SITE PLAN SUBMITTAL

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the ____ day of _____
WITNESS OUR HANDS, this ____ day of _____

Planning & Zoning Commission, Chairman

Director of Planning and Zoning

bdg
architecture
+ planning
boucher design group
Boucher Design Group LLC
Members A.I.A.
8602 Mapleidge, Suite 200
Bellaire, Texas 77401
Tel. 713.785.3644
www.bdgap.com



Wong & Associates, Inc.
P.O. Box 2028
Bellaire, Texas 77402-2028
Tel. 713-777-9108 Fax 713-957-5098
Member American Society of Landscape Architects

KROGER OUTLOT
2901 Ridge Road
Rockwall, Texas 75032
SDI Rockwall Holdings, LLC
1800 West Loop South
Suite 1850
Houston, Texas 77027

DATE	03/20/20
PROJECT NO.	1702400
DRAWN BY	EW/SR
CHECKED BY	EW

IRRIGATION PLAN

L2.1

ISSUE	DATE	DESCRIPTION
	03/20/20	SITE PLAN SUBMITTAL

APPROVED:
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the ____ day of _____, 2020.
WITNESS OUR HANDS, this ____ day of _____, 2020.

Planning & Zoning Commission, Chairman

Director of Planning and Zoning



Boucher Design Group, LLC
Members A.I.A.
6802 Mapleridge Street, Suite 200
Bellaire, Texas 77401
Tel. 713.785.3644; www.bdgap.com

This document is an instrument of service protected by the copyright law of the United States of America, 17 U.S.C. § 102, and shall not be copied or reproduced without the express written consent of Boucher Design Group, LLC. 2020

PRELIMINARY
MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION MARC E. BOUCHER, REGISTERED ARCHITECT, TEXAS NO. 14291, EXPIRES 05-31-20

KROGER OUTLOT

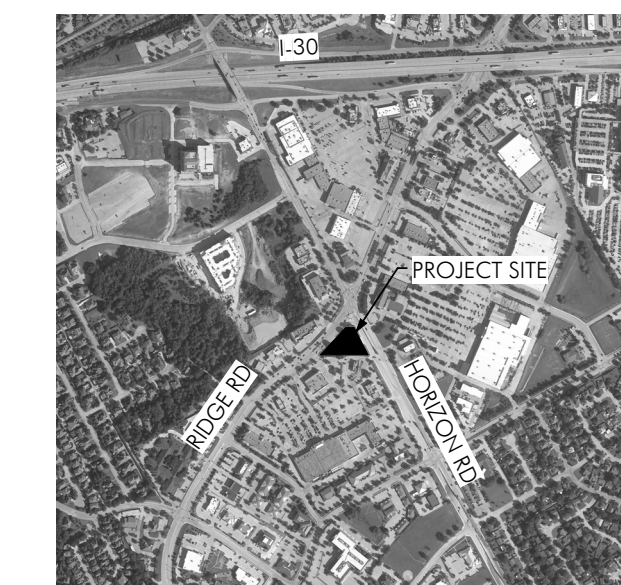
2901 RIDGE ROAD
ROCKWALL, TX 75032

SDI ROCKWALL HOLDINGS, LLC

1800 WEST LOOP S. STE. 1850
HOUSTON, TX 77027;
713.892.5200

DATE	03/20/20
PROJECT NO.	1702400
DRAWN BY	AK
CHECKED BY	JM

PHOTOMETRICS

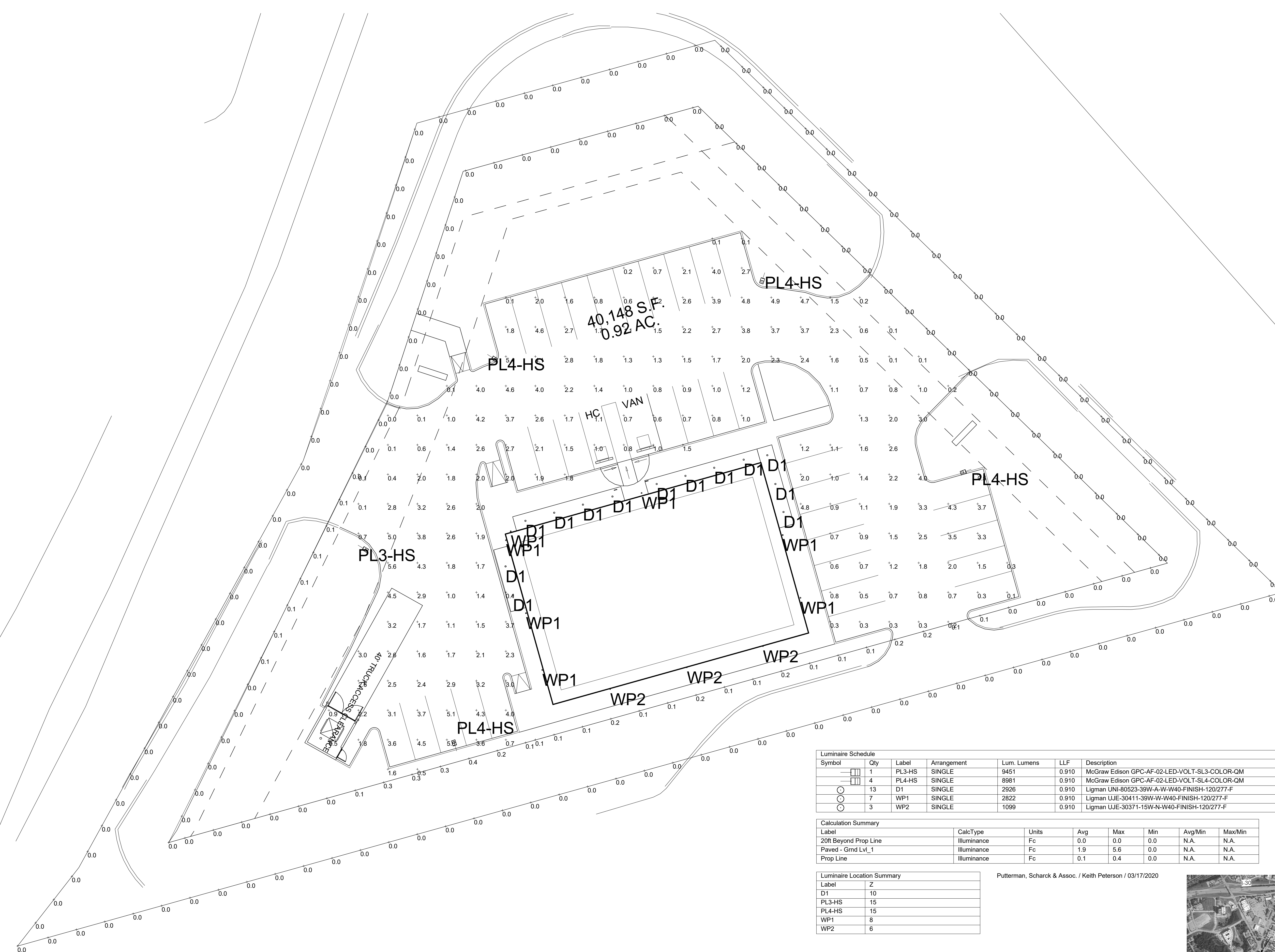


PROPOSED LAND USE: COMMERCIAL
CASE NO.:



P1.0

© COPYRIGHT 2020 BOUCHER DESIGN GROUP, LLC



Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description
☐	1	PL3-HS	SINGLE	9451	0.910	McGraw Edison GPC-AF-02-LED-VOLT-SL3-COLOR-QM
☐	4	PL4-HS	SINGLE	8981	0.910	McGraw Edison GPC-AF-02-LED-VOLT-SL4-COLOR-QM
○	13	D1	SINGLE	2926	0.910	Ligman UNI-80523-39W-A-W-W40-FINISH-120/277-F
○	7	WP1	SINGLE	2822	0.910	Ligman UJE-30411-39W-W-W40-FINISH-120/277-F
○	3	WP2	SINGLE	1099	0.910	Ligman UJE-30371-15W-N-W40-FINISH-120/277-F

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
20ft Beyond Prop Line	Illuminance	Fc	0.0	0.0	0.0	N.A.	N.A.
Paved - Grnd Lvl_1	Illuminance	Fc	1.9	5.6	0.0	N.A.	N.A.
Prop Line	Illuminance	Fc	0.1	0.4	0.0	N.A.	N.A.

Label	Z
D1	10
PL3-HS	15
PL4-HS	15
WP1	8
WP2	6

Putterman, Scharck & Assoc. / Keith Peterson / 03/17/2020

C:\Users\james\Documents\1702400 ROCKWALL TEXAS PAD BUILDING_illum.dwg 3/18/2020 4:04:58 PM

Luminaire data is obtained according to IES procedures under laboratory conditions. Field results may differ from computer model due to many factors, including: ambient temperature, line voltage variations, lamp performance, installation, reflectances, and other site specific conditions.

UNI-80523

Nikon 3 Round Ceiling Downlight



Construction

Aluminum Casting

Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.

Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

BUG Rating

B1 - U0 - G0

Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Hardware

Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED

Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Ceiling-recessed exterior downlights.

Modern, clean and powerful downlighting family providing the best resilient under-canopy solutions in the marketplace.

A compact recessed exterior downlight with a round or square front frame design. Options of stainless steel or powder coated aluminum front frame. The luminaires are designed for use in interior and exterior applications. This fixture is totally waterproof. This means that the fixture can be exposed to the elements from above as well as below.

This luminaire is manufactured with integrated heat sinks that provides exceptional cooling and heat dissipation ensuring long LED life.

This fixture can also be provided with a concrete pour box for casting into concrete slabs, please see options below.

Power is provided to the luminaire through a single PG9 watertight cable gland and 4ft of Outdoor Submersible #18/3 SOOW 600V power cable. Remote mounted transformer. Includes A80191 driver enclosure box.

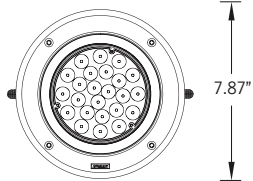
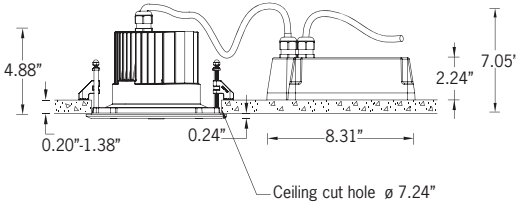
All Ligman fixtures can be manufactured using a special pre-treatment and coating process that ensures the fixture can be installed in natatoriums as well as environments with high concentrations of chlorine or salt and still maintain the 5 year warranty. For this natatorium rated process please specify NAT in options. Not suitable for saunas and steamrooms.

39w LED 4299 Lumens

IP65 • Suitable For Wet Locations

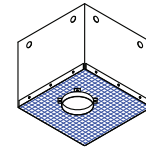
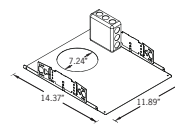
IK08 • Impact Resistant (Vandal Resistant)

Weight 5 lbs (A) 5.7 lbs (S)



Ceiling Cut ø7.24"

Additional Options (Consult Factory For Pricing)



RT
Rough in Tray

CPB
Concrete Pour Box

HCL
Honeycomb Louvre

Nikon Product Family



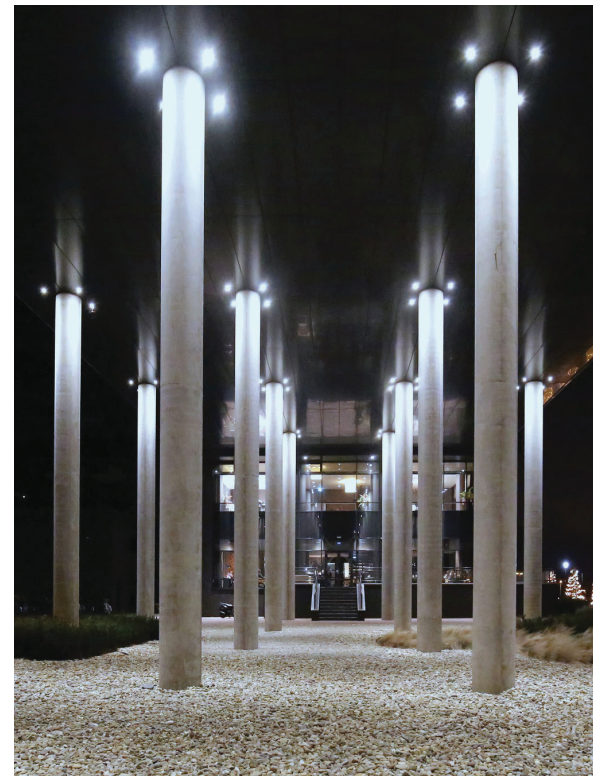
UNI-80501 [4.7"]



UNI-80511 [4.7"]



UNI-80531 [7.8"]



UNI-80523

Nikon 3 Round Ceiling Downlight

PROJECT				DATE	
QUANTITY		TYPE		NOTE	

ORDERING EXAMPLE || UNI-80523 - 39w - A - N - W30 - 03 - 120/277v

UNI-80523						
LAMP	FRAME	BEAM	LED COLOR	FINISH COLOR	VOLTAGE	
39w LED 4299lm	S - Stainless Steel A - Aluminum (CHOOSE FINISH COLOR)	N - Narrow 15° M - Medium 26° W - Wide 45°	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify	

--	--	--	--

ADDITIONAL OPTIONS

- DIM - 0-10v Dimming
- NAT - Natatorium Rated
- F - Frosted Lens
- EMR - Remote Inverter
- A80191 - Remote Driver Box
- RT - Rough in Ceiling Tray
- CPB - Concrete Pour Box
- SSG - Stainless Steel Glands
- HCL - Honeycomb Louvre
- AMB - Turtle Friendly Amber LED

Sure-Lites

DESCRIPTION

The Sure-Lites Architectural Emergency Light is designed to provide superior illumination while blending into the surrounding space. The housing is constructed of die-cast aluminum with an integral refractive polycarbonate lens and advanced optical design, which in conjunction with energy-efficient, long-lasting LEDs provides maximum path of egress lighting performance. The Sure-Lites Architectural Emergency Light is wet listed for temperatures between -30°C and 50°C (-22°F and 122°F). AEL2 has an always on mode and is available with Eagle Eye self diagnostics.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Electrical

- Universal voltage input from 100 through 300 VAC; 50-60 Hz
- Line-latching
- Solid-state Voltage Limited Charger
- Low-Voltage Disconnect
- Overload/Short Circuit Protection
- Test Switch/Power Indicator Light
- Fully Recharged in 24 hours
- Self diagnostics

Housing Construction

- Die-cast Aluminum Housing
- Universal Pattern Knockouts on rear of housing for direct mounting to junction box
- 1/2" Threaded Conduit Access on top surface
- Powder Coat Paint Finish
- UV Stable Polycarbonate Lens
- Silicone Gaskets

Code Compliance

- Not for sale in California
- UL924 Listed
- UL Outdoor Wet Location Listed (suitable for wet and damp locations)
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- City of Chicago Code
- New York City Code

Battery

- Sealed Nickel Cadmium
- Maintenance free, long life
- Full Recharge Time, 24 hrs

Warranty

- Unit: 5-Year
- Battery: 7-year pro-rata

Lamp Data

- 10 High Power LEDs
- Two color temperatures: 3000K and 5000K



AEL 2 ARCHITECTURAL EMERGENCY LIGHT SERIES 2

DIE-CAST ALUMINUM
SURFACE MOUNT
SEALED NICKEL CADMIUM
BATTERY
LED LAMPS
EAGLE EYE SELF DIAGNOSTICS
ALWAYS ON FEATURE
EMERGENCY LIGHTING



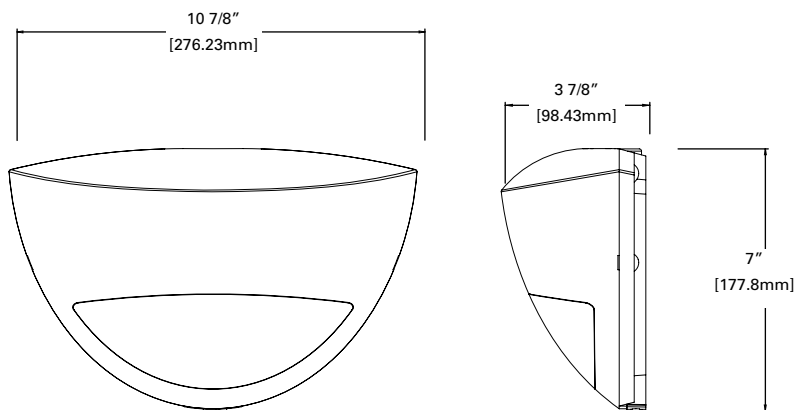
TOTALLY PREDICTABLE
RELIABILITY.

ENERGY DATA

Sealed Nickel Cadmium Battery

Input Current:
(Used as emergency light only):
120V = 2.0 Watts
277V = 2.3 Watts

Input Current:
(Used as dual purpose
emergency light &
always-on light fixture):
120V=5.2 Watts
277V=5.0 Watts



ORDERING INFORMATION

Family AEL2 = Architectural Emergency Light 2	Color Temperature 31 = 3000K Ave 46 = 5000K Ave	Housing Finish — = Silver WH = White BK = Black BZ = Bronze	Options — = No Self Diagnostics SD = Eagle Eye Self Diagnostics

TECHNICAL DATA**Lamps**

The AEL2 utilizes long-lasting LEDs (standard) which provide maximum illumination along the emergency path of egress.

Housing

Die-cast aluminum with a powder coat painted finish. Universal pattern knockouts are located on the back housing for direct mounting to the junction box. Threaded conduit entry provided on the top surface of the housing. UV stable, polycarbonate lens and vacuum-metallized reflector provide efficient optical control.

Electronics

Dual voltage input 120/277 VAC is standard. Nickel cadmium battery is standard. All battery and electrical components are enclosed within the housing.

Line-Latched

Sure-Lites line-latched electronic circuitry makes installation easy and economical. A labor efficient AC activated load switch prevents the lamps from turning on during installation to a non-energized AC circuit. Line-latching eliminates the need for a contractor's return to a job site to connect the batteries when the building's main power is turned on.

Self Diagnostics

The self-diagnostic software will automatically perform all tests required by UL924, and NFPA101. The system indicates the status of the emergency light at all times using the LED indicator. A 90 minute battery power (emergency mode) simulation test will occur once every 12 months. A 30 second battery power simulation test will occur every 30 days.

The Solid-State microprocessor based system has the ability to accurately detect and warn of system failures, plus it incorporates all of the standard electronic features that sets Sure-Lites apart from its competition. Eagle Eye self diagnostic software automatically performs all testing required by the NFPA 101 Life Safety Code and systematically calibrates itself in the field, reducing installation labor and eliminating manual calibration errors.

Solid-State Charger

Supplied with a 120/277 VAC, voltage regulated solid-state charger, the battery is recharged immediately upon restoration of AC current after a power failure. The charge circuit reacts to the condition of the battery in order to maintain peak battery capacity and maximize battery life. Solidstate construction recharges the battery in 24 hours following a power failure in accordance with UL 924.

Solid-State Transfer

The emergency light incorporates solid-state switching which eliminates corroded and pitted contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC voltage and automatically energizes the lamps using DC power. Upon restoration of AC power, the DC power will be disconnected and the charger will automatically recharge the battery.

Low-Voltage Disconnect

When the battery's terminal voltage falls, the low-voltage circuitry disconnects the lighting load. The disconnect remains in effect until normal utility power is restored, preventing deep battery discharge.

Overload and Short Circuit Protection

The solid-state overload monitoring device in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short circuit is removed. This overload current protective feature eliminates the need for fuses or circuit breakers for the DC load.

Test Switch/Power Indicator Light

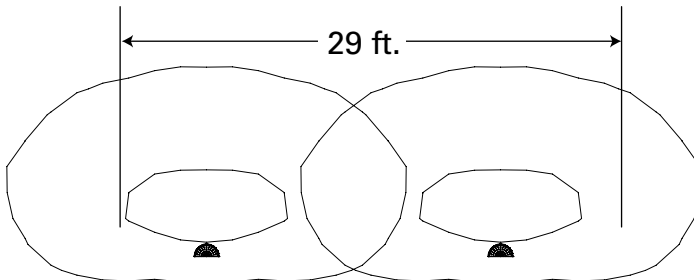
A test switch located on the inside cover of the unit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

Sealed Nickel Cadmium Battery

Sure-Lites sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures. The specially designed resealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

Warranty

The Sure-Lites Architectural Emergency Light is backed by a firm five (5) year warranty against defects in material and workmanship. Maintenance-free, long-life, sealed nickel cadmium batteries carry a seven-year pro-rata warranty.

PHOTOMETRICS

SELF DIAGNOSTIC TESTING OPERATIONS

The Sure-Lites Eagle Eye Self Diagnostics is continuously monitoring your emergency fixture and will signal any failure through the 3 color indicator LED.

Initial Operation

When the unit is first powered up, it will go into a 24 hour fast charge, indicated by the indicator LED pulsing green. Once the unit has fully charged, it will perform a self calibration, after which the LED will change to steady green, indicating the unit is fully charged and float charging the battery to maintain readiness.

Automatic Testing

The unit will perform a battery capacity, lamp/LED, and charge circuit test every 30 days for 30 seconds. During this time, the indicator LED will change to a steady yellow. It will perform a full battery capacity (90 minute) test once per year. During this time, the indicator LED will change to a blinking yellow.

Manual Testing

- 10 Second "Installation" test – Press and release the test button once during fast charge (blinking green) to initiate a 10 second quick test. The sign will switch to emergency mode for 10 seconds allowing the installer to verify proper installation of the unit, and the LED indicator will turn solid yellow.
- 30 Second Test - Press and release the test button once during float charge (steady green). The indicator LED will turn steady yellow to indicate the unit is performing a 30 second test of the batteries and lamps/LEDs.
- 90 Minute Test - Press and release the test button a second time during a 30 second test (steady yellow) to change to a 90 minute test. During this test, the LED indicator will change to blinking yellow, and the circuit will perform a full battery capacity, charge circuit, and LED test.
- Canceling Test – Press and release the test button during the 90 minute test (flashing yellow) to return the fixture to its original state (fast charge or float charge)

Laser Test

The LEMSD is equipped with a Laser Test function, that allows the unit to be manually tested without the need to physically press the test button. Shining a laser pointer in the hole marked "LASER TEST" on the bottom of the unit has the same effect as a press and release of the test button.

Clearing Failure Codes









- A battery failure (LED two blink red) can be cleared by replacing the battery. Disconnecting the battery and AC power, or performing a full 90 minute discharge, will reset the error code, however, it will return if the battery is faulty
- Charge Circuit (LED three blink red) and lamp/LED failure (LED four blink red) will clear when the unit successfully passes a manual or automatic 30 second test.

Indicators

- LED Off - No power to unit, emergency mode.
- LED Steady Green - Unit is fully charged and is float charging the battery to maintain readiness.
- LED Green Pulse - Unit is in a 24 hour fast charge of the battery.
- LED Two Blink Red - Battery has failed a capacity test, or the battery is disconnected. See "Clearing Failure Codes" above.
- LED Three Blink Red - Battery charge circuit has failed. See "Clearing Failure Codes" above.
- LED Four Blink Red - Lamps have burned out, or on an EXIT/Combo, 50% or more of the LEDs have failed. See "Clearing Failure Codes" above.
- LED Steady Yellow - 30 second test or 10 second quick test (Fast Charge only).
- LED Blinking Yellow - 90 minute test.

Maintenance

None required. Replace the batteries as needed according to ambient conditions. However, we recommend that the equipment be tested regularly in accordance with local codes.

SURE-LITES			
	OFF - EMERGENCY MODE / POWER OFF		STEADY BLINK YELLOW - 90 MINUTE TEST
	STEADY BLINK GREEN - FAST CHARGE		2 BLINK RED - BATTERY FAILURE
	STEADY GREEN - FULL / FLOAT CHARGE		3 BLINK RED - CHARGE CIRCUIT FAILURE
	STEADY YELLOW - QUICK TEST		4 BLINK RED - LAMP/ LED FAILURE

UTA-31873

Tango 30 Square Asymmetrical Downlight



Construction

Aluminum

Less than 0.1% copper content - Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.

Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket

Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

BUG Rating

B1 - U0 - G0

Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Hardware

Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED

Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Circular or square form technical up & down-light wall range. Completely tailorable wall-mounted direct/indirect optical lighting solutions for perfect task or architectural lighting.

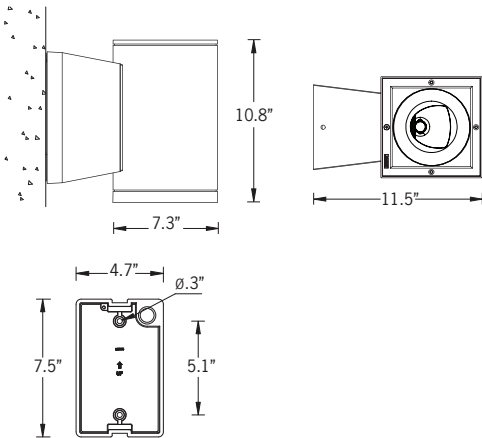
Wall luminaires with a selection of light distributions and LED wattages with downward light distributions. The Tango is unique as it is available with Type II, III & IV light distribution options that facilitates wider spacing and even light distribution between the light fixtures.

Spacings of up to 40' on center, and a 14' mounting height with a 2 fc average can be achieved using the type II optic. This provides higher energy saving and reduced installation costs.

The Tango 31 cylindrical or Tango 32 square up-down versions can be manufactured using different type beam distributions for the up and down optics. Integral electronic control gear. Mounting plate for 3" and 4" junction box is provided with the fixture.

Matching surface mount conduit boxes are available as an option. Custom round pole adapters can be manufactured to suit specific pole diameters for column mounting applications. Please contact the factory for more information.

42w LED 3418 Lumens
IP65 • Suitable For Wet Locations
IK08 • Impact Resistant (Vandal Resistant)
Weight 14.3 lbs



Mounting Detail

Tango Product Family



UTA-31861



UTA-80551



UTA-80561



UTA-20011



UTA-20031

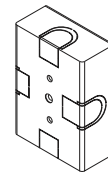


UTA-20731



UTA-20732

Additional Options (Consult Factory For Pricing)



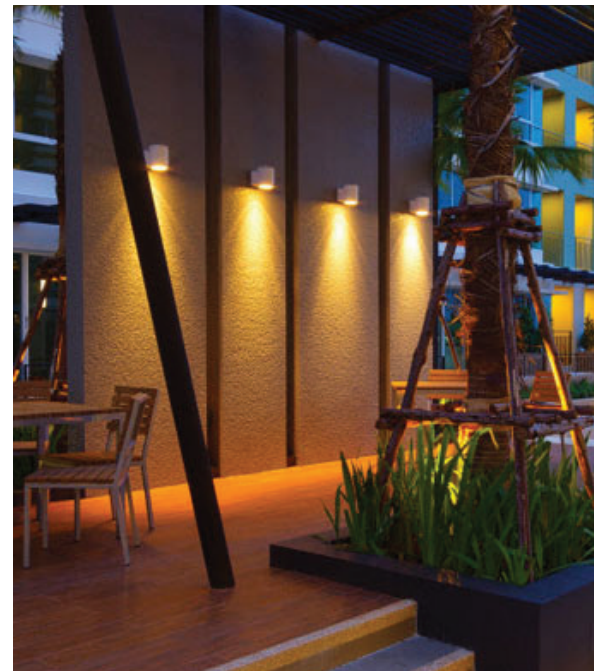
SCE
Surface Conduit
Decorative Trim



RPA
Round Pole Adapter



AGL
Anti Glare Louvre



UTA-31873

Tango 30 Square Asymmetrical Downlight

PROJECT		DATE	
----------------	--	-------------	--

QUANTITY		TYPE		NOTE	
-----------------	--	-------------	--	-------------	--

ORDERING EXAMPLE || UTA - 31873 - 42w - AS - W30 - 02 - 120/277v - Options

UTA-31873					
LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE	
42w COB 3418 Lumens	AS - Asymmetrical Beam 46°x56°	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify	

--	--	--	--

ADDITIONAL OPTIONS

- NAT - Natatorium Rated
- SCE - Surface Conduit Decorative Trim
- DIM - 0-10v Dimming
- F - Frosted Lens**
- AGL - Anti Glare Louvre
- EMC - Emergency Battery Pack
- RPA - Round Pole Adapter
- HGT - Custom Height
- AMB - Turtle Friendly Amber LED



UJE-30371

Jet 32 Square Surface



Construction

Aluminum

Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.

Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket

Provided with special injection molded “fit for purpose” long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

BUG Rating

B1 - U0 - G0

Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Hardware

Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED

Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Cylindrical or rectangular form surface wall-mounted downlight. High performance, high output and numerous options ensure Jet can be configured for any application.

Wall luminaires with a selection of light distributions and LED wattages, that include; narrow, medium, wide, very wide and elliptical light distributions. The Jet offers a variety of beam spread options that facilitates wider spacing and even light distribution between the light fixtures. The up/down light versions can be manufactured using different beam spreads for the up and down optics as well as different wattages upon request.

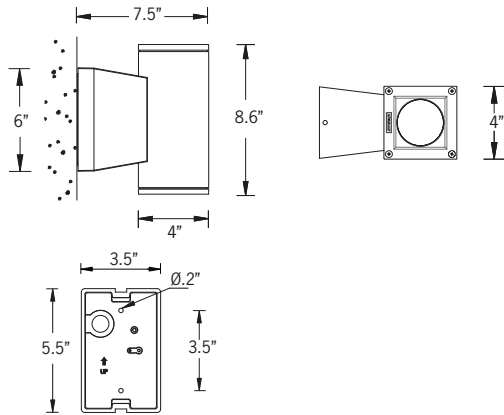
Mounting plate for 3” junction box is provided with the fixture. A 4” junction box mounting plate is available as an option, please specify. Matching surface mount conduit boxes are available as an option.

Custom round pole adapters can be manufactured to suit specific pole diameters for column mounting applications. Please contact the factory for more information.

For the Square downlight option, see Jet 32, 34 and 52. For type II, III & IV distributions, see Tango 29 to 32 surface wall luminaires.

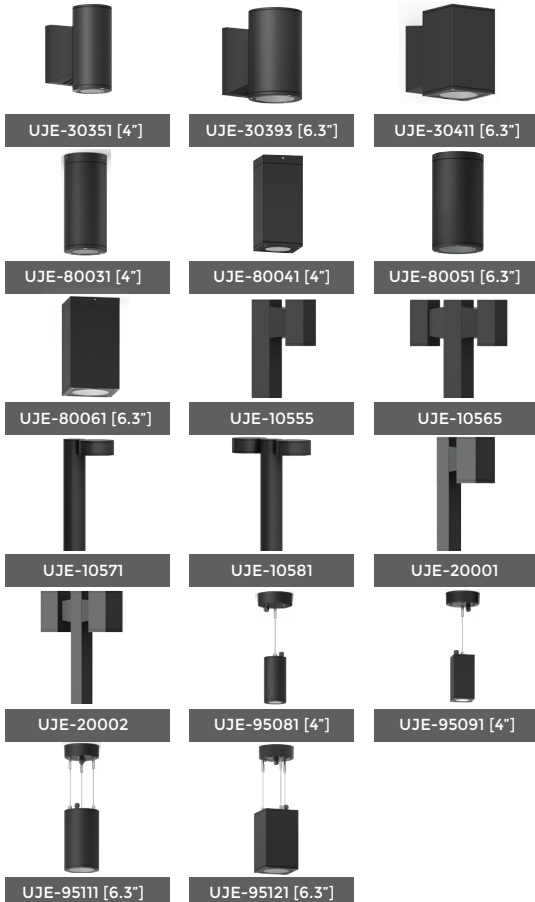
For RGBW options, see Jet 51 to 54.

15w COB 1107 Lumens
IP65 • Suitable For Wet Locations
IK08 • Impact Resistant (Vandal Resistant)
Weight 5.7 lbs

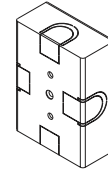


Mounting Detail

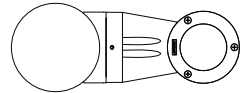
Jet Product Family



Additional Options (Consult Factory For Pricing)



SCE
Surface Conduit Decorative Trim



RPA
Round Pole Adapter




UJE-30371

Jet 32 Square Surface

PROJECT		DATE	
----------------	--	-------------	--

QUANTITY		TYPE		NOTE	
-----------------	--	-------------	--	-------------	--

ORDERING EXAMPLE || UJE - 30371 - 15w - M - W30 - 02 - 120/277v - Options

UJE-30371					
LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE	
15w COB 1107 Lumens	N - Narrow 20° M - Medium 24° W - Wide 36° VW - Very Wide 71°	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	 120/277v Other - Specify	

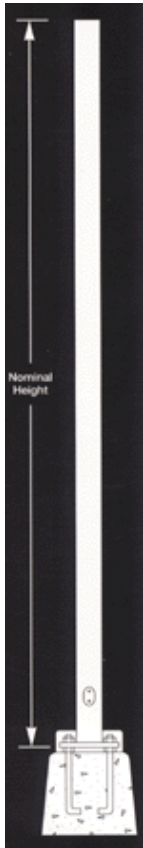
--	--	--	--

ADDITIONAL OPTIONS

- NAT - Natatorium Rated
- SCE - Surface Conduit Decorative Trim
- REMG - Remote Emergency Battery Pack
- HGT - Custom Height
- AMB - Turtle Friendly Amber LED
- 4MP - 4" Junction Box Mounting Plate
- F - Frosted Lens**
- RPA - Round Pole Adapter



RSP Round Non-Tapered Steel Poles



RSP

Pole Shaft

The pole shaft is one piece construction, being fabricated from a weldable grade carbon steel structural tubing which has a uniform wall thickness of 11 gauge (0.1196") or 7 gauge (0.1793"). The pole shaft material shall conform to ASTM A-500 Grade C with a minimum yield strength of 50,000 psi. The pole shaft has a full length longitudinal resistance weld and is uniformly cylindrical in cross-section with round sides and excellent torsional properties.

Base Plate

The anchor base is fabricated from structural quality hot rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base telescopes the pole shaft and is circumferentially welded top and bottom. All welds are performed in accordance with the American Welding Society specification AWS D1.1, latest edition.

Anchor Bolts

Anchor bolts are fabricated from commercial quality hot rolled carbon steel bar that meets or exceeds a minimum yield strength of 55,000 psi. Four properly sized anchor bolts, each with two regular hex nuts and washers, are furnished and shipped with all poles unless otherwise specified. Anchor bolts shall have the threaded end galvanized a minimum of 8 inches in accordance with ASTM A-153. Fully galvanized anchor bolts are available upon request.

Handhole

An oval reinforced gasketed handhole, having a nominal 2" x 4" or 3" x 5" inside opening, located 1'-6" above base, is standard on all poles. A grounding provision is located inside the handhole ring.

Finishes

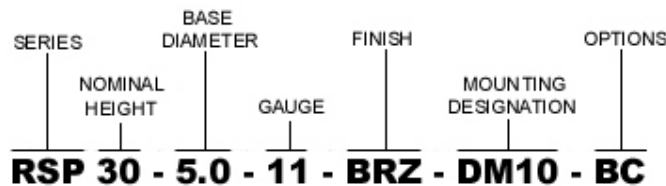
The [Standard Finish](#) is a polyester thermosetting powder coating applied to the surface of the substrate to a minimum of 3 mils for all color finishes. [Hot dip Galvanized](#) finish to a ASTM A-123 specification or primed finish is also available. For optional finishes, see [K-KLAD](#) and [K-KLAD Over Galvanizing](#).

HOW TO ORDER

When ordering KW lighting standards, mounting adaptors and accessories, be sure to specify the complete catalog number. Our catalog numbers reflect the precise specifications of the item ordered to ensure our customers will receive the product which meets their exact requirements.

The following explanation of the catalog numbers will be helpful in placing orders:

CATALOG LOGIC - ORDERING SAMPLE



Catalog Number	Nominal Height	Pole Shaft	Gauge	Handhole Size	Anchor Bolt	Bolt Circle	80 MPH	90 MPH	100 MPH	Ship WT.
RSP10-4.0-11	10	4.00 x 10.0	11	2 x 4	0.75 x 17 x 3	8	31	24	19.5	78
RSP10-4.5-11	10	4.50 x 10.0	11	3 x 5	0.75 x 17 x 3	8	40	31.5	25	84
RSP10-5.0-11	10	5.0 x 10.0	11	3 x 5	1.00 x 36 x 4	11	51	40.5	32.5	139
RSP12-4.0-11	12	4.00 x 12.0	11	2 x 4	0.75 x 17 x 3	8	28.9	23.4	19.2	73
RSP12-4.5-11	12	4.50 x 12.0	11	3 x 5	0.75 x 17 x 3	8	34	27	21.5	96
RSP12-5.0-11	12	5.0 x 12.0	11	3 x 5	1.00 x 36 x 4	11	43	33.5	27	153
RSP14-4.0-11	14	4.00 x 14.0	11	2 x 4	0.75 x 17 x 3	8	23.6	19.1	15.6	99
RSP14-4.5-11	14	4.50 x 14.0	11	3 x 5	0.75 x 17 x 3	8	28	22	17	108

RSP14-5.0-11	14	5.0 x 14.0	11	3 x 5	1.00 x 36 x 4	11	36	28	22.5	166
RSP15-4.0-11	15	4.00 x 15.0	11	2 x 4	0.75 x 17 x 3	8	18.1	14.5	11.8	88
RSP15-4.5-11	15	4.50 x 15.0	11	3 x 5	0.75 x 17 x 3	8	26.5	20.5	16.3	98
RSP15-5.0-11	15	5.0 x 15.0	11	3 x 5	1.00 x 36 x 4	11	33	26	20.5	173
RSP15-5.0-7	15	5.0 x 15.0	7	3 x 5	1.00 x 36 x 4	11	50	39	31.5	222
RSP16-4.0-11	16	4.00 x 16.0	11	2 x 4	0.75 x 17 x 3	8	16.5	13.2	10.6	93
RSP16-4.5-11	16	4.50 x 16.0	11	3 x 5	0.75 x 17 x 3	8	24.4	18.8	14.8	120
RSP16-5.0-11	16	5.0 x 16.0	11	3 x 5	1.00 x 36 x 4	11	31	24.2	19.4	179
RSP16-5.0-7	16	5.0 x 16.0	7	3 x 5	1.00 x 36 x 4	11	47	37	29	232
RSP18-4.0-11	18	4.00 x 18.0	11	2 x 4	0.75 x 17 x 3	8	13.7	10.8	8.6	103
RSP18-4.5-11	18	4.50 x 18.0	11	3 x 5	0.75 x 17 x 3	8	21	16	12.5	132
RSP18-5.0-11	18	5.0 x 18.0	11	3 x 5	1.00 x 36 x 4	11	27	21	16.5	192
RSP18-5.0-7	18	5.0 x 18.0	7	3 x 5	1.00 x 36 x 4	11	40	31	25.2	252
RSP20-4.0-11	20	4.00 x 20.0	11	2 x 4	0.75 x 17 x 3	8	11.4	8.9	6.9	123
RSP20-4.5-11	20	4.50 x 20.0	11	3 x 5	0.75 x 30 x 3	8	15.5	12.2	9.6	135
RSP20-5.0-11	20	5.00 x 20.0	11	3 x 5	1.00 x 36 x 4	11	20.3	16	12.7	189
RSP20-5.0-7	20	5.00 x 20.0	7	3 x 5	1.00 x 36 x 4	11	28.2	22.4	18	253
RSP22-4.5-11	22	4.50 x 22.0	11	3 x 5	0.75 x 30 x 3	8	13	10.1	7.8	147
RSP22-4.0-11	22	4.00 x 22.0	11	2 x 4	0.75 x 17 x 3	8	7	5.1	3.7	148
RSP22-5.0-11	22	5.00 x 22.0	11	3 x 5	1.00 x 36 x 4	11	17.3	13.5	10.5	202
RSP22-5.0-7	22	5.00 x 22.0	7	3 x 5	1.00 x 36 x 4	11	24.2	19.2	15.3	272
RSP24-4.0-11	24	4.00 x 24.0	11	2 x 4	0.75 x 17 x 3	8	7	5.1	3.7	148
RSP24-4.5-11	24	4.50 x 24.0	11	3 x 5	0.75 x 30 x 3	8	10.9	8.3	6.3	158
RSP24-5.0-11	24	5.00 x 24.0	11	3 x 5	1.00 x 36 x 4	11	14.6	11.3	8.6	215
RSP24-5.0-7	24	5.00 x 24.0	7	3 x 5	1.00 x 36 x 4	11	20.9	16.4	12.9	292
RSP25-4.0-11	25	4.00 x 25.0	11	2 x 4	0.75 x 17 x 3	8	7	5.1	3.7	148
RSP25-4.5-11	25	4.50 x 25.0	11	3 x 5	0.75 x 30 x 3	8	10	7.5	5.5	164
RSP25-5.0-11	25	5.00 x 25.0	11	3 x 5	1.00 x 36 x 4	11	13.5	10.3	7.8	221
RSP25-5.0-7	25	5.00 x 25.0	7	3 x 5	1.00 x 36 x 4	11	19.4	15.1	11.8	301
RSP26-4.5-11	26	4.50 x 26.0	11	3 x 5	0.75 x 30 x 3	8	9.1	6.7	4.9	170
RSP26-5.0-11	26	5.00 x 26.0	11	3 x 5	1.00 x 36 x 4	11	12.4	9.3	7	228
RSP26-5.0-7	26	5.00 x 26.0	7	3 x 5	1.00 x 36 x 4	11	18	13.9	10.8	311
RSP28-4.5-11	28	4.50 x 28.0	11	3 x 5	0.75 x 30 x 3	8	7.4	5.3	3.6	182
RSP28-5.0-11	28	5.00 x 28.0	11	3 x 5	1.00 x 36 x 4	11	10.4	7.6	5.5	240
RSP28-5.0-7	28	5.00 x 28.0	7	3 x 5	1.00 x 36 x 4	11	15.4	11.7	8.9	330
RSP30-4.5-11	30	4.50 x 30.0	11	3 x 5	0.75 x 30 x 3	8	5.3	3.5	2.2	193
RSP30-5.0-11	30	5.00 x 30.0	11	3 x 5	1.00 x 36 x 4	11	7.6	5.3	3.6	253
RSP30-5.0-7	30	5.00 x 30.0	7	3 x 5	1.00 x 36 x 4	11	11.5	8.5	6.2	349
RSP35-5.0-7	35	5.00 x 35.0	7	3 x 5	1.00 x 36 x 4	11	7	4.6	2.8	397

FINISHES

Standard

BRZ	Bronze
BLK	Black
GRY	Gray
GRN	Green
WHT	White
P	Primed
NA	Natural Aluminum

Galvanized

G	Galvanized
----------	------------

K-KLAD

K813	Bronze
K821	Black
K841	Gray
K891	Green
K881	White
K845	Natural Aluminum

K-KLAD Over Galvanizing

KZ13	Bronze
KZ21	Black
KZ41	Gray
KZ91	Green
KZ81	White
KZ45	Natural Aluminum

1 YEAR WARRANTY

5 YEAR WARRANTY

10 YEAR WARRANTY

MOUNTING DESIGNATIONS

Tenon Mount

2	2 3/8" x 4" TENON
3	2 7/8" x 4" TENON
3.5	3 1/2" x 6" TENON
4	4" x 6" TENON

Drill Mount

DM10	Drilled for 1 Luminaire
DM2090	Drilled for 2 Luminaires @ 90°
DM2180	Drilled for 2 Luminaires @ 180°
DM3090	Drilled for 3 Luminaires @ 90°
DM3120	Drilled for 3 Luminaires @ 120°
DM4090	Drilled for 4 Luminaires @ 90°

Open Mount

- OT** Open Top
OTC Open Top includes Pole Cap

Gain Mount

- 1GSS4** (1) CXA
2GSS4 (2) CXA's located on the Same Side
3GSS4 (3) CXA's located on the Same Side
4GSS4 (4) CXA's located on the Same Side
2GBB4 (2) CXA's located Back to Back
4GBB4 (4) CXA's located Back to Back
1GSS9 (1) CXASQ
2GSS9 (2) CXASQ's located on the Same Side
3GSS9 (3) CXASQ's located on the Same Side
4GSS9 (4) CXASQ's located on the Same Side
2GBB9 (2) CXASQ's located Back to Back
4GBB9 (4) CXASQ's located Back to Back

OPTIONS

There are numerous options that can be ordered. Please indicate these selections under the options column in the catalog number. Example: CPL-WPR2-BC.

Accessories

- BC** Base Cover
CPL Threaded Coupling*
NPL Threaded Nipple*
WPRP Festoon Opening**
LAB Less Anchor Bolt

Extra Handholes

- XHH** Extra Handhole*

Embedment Pole Options

- E** Embedded Pole
GS Ground Sleeve
CTE Coal Tar Epoxy

For Embedment Poles:

Recommended Mounting Height	Recommended Embedment Depth
Less than 20'	4'
20' - 33'	6'
Greater than 33'	7'

Additional Simplex

- 1S** 1 @ 0° *
2S 2 @ 180° *
3S 3 @ 90° *
4S 4 @ 90° *

Greater embedment depths are available upon request.

* Please advise size, location, and orientation. (Handholes are restricted by size of pole shaft diameter)

** Located 24" above baseplate and same side as handhole. (No electrical included)

PACKAGING

Immediately after coating, the lighting standard including the baseplate shall be wrapped in heavy corrugation specially designed and sized to achieve maximum protection in transit.

KW Industries, Inc. coating process system and stringent quality control procedures provide our customer the finest quality lighting standards in the industry.

DESCRIPTION

The Galleon™ Pedestrian Companion LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate a variety of pole configurations and mounting heights, allowing it to be offered as a pedestrian or site lighting solution. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

SPECIFICATION FEATURES

Construction

Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity.

Optics

Choice of sixteen patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K

and 6000K CCT. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

Electrical

LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Eaton proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Pedestrian LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option.

Catalog #

Type

Project

Comments

Date

Prepared by

Mounting

The innovative quick mounting arm attaches to new or existing 4-5" round or square poles with 1-1/2" to 4-7/8" drilling patterns without re-drilling. The mast arm adapter fits horizontal 2-3/8" tenon.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty

Five-year warranty.



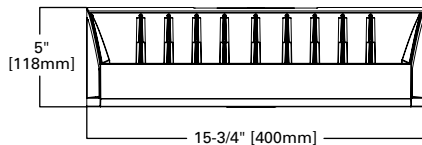
GPC GALLEON PEDESTRIAN COMPANION

1-2 Light Squares
Solid State LED

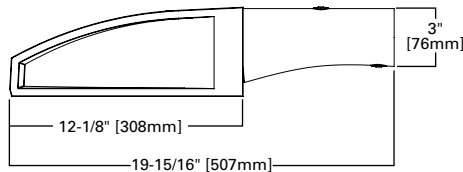
AREA/SITE LUMINAIRE

WaveLinx

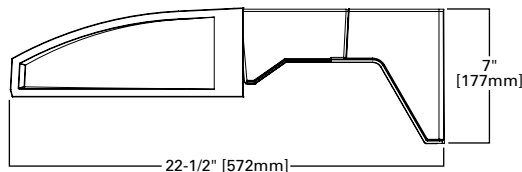
DIMENSIONS



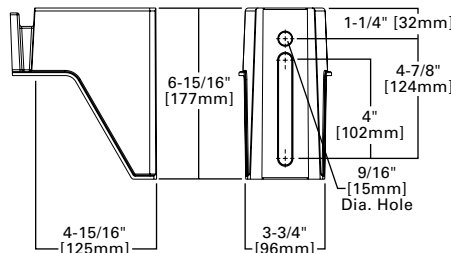
MAST ARM MOUNT



QUICK MOUNT ARM (OVERALL DIMENSIONS)



QUICK MOUNT ARM (POLE MOUNTING DETAILS)



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 Housing
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

EPA

Effective Projected Area (Sq. Ft.)
Quick Mount Arm: 0.73
Mast Arm: 0.62

SHIPPING DATA

Approximate Net Weight:
27 lbs. (12.2 kgs.)

POWER AND LUMENS

Number of Light Squares		1				2			
		600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
Drive Current		600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.3	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.3	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (mA)		0.11	0.15	0.17	0.2	0.19	0.24	0.32	0.39
Input Current @ 480V (mA)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.3
Optics									
T2	4000K/5000K Lumens	4,204	5,156	6,381	7,000	8,215	10,075	12,470	13,680
	3000K Lumens	3,975	4,874	6,033	6,618	7,767	9,525	11,790	12,934
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T2R	4000K/5000K Lumens	4,464	5,474	6,775	7,431	8,723	10,696	13,239	14,523
	3000K Lumens	4,221	5,176	6,406	7,025	8,247	10,113	12,517	13,731
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2
T3	4000K/5000K Lumens	4,285	5,256	6,505	7,135	8,375	10,269	12,710	13,943
	3000K Lumens	4,051	4,969	6,150	6,746	7,918	9,710	12,017	13,182
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T3R	4000K/5000K Lumens	4,380	5,372	6,648	7,294	8,561	10,498	12,993	14,253
	3000K Lumens	4,141	5,078	6,286	6,895	8,094	9,925	12,285	13,475
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2
T4FT	4000K/5000K Lumens	4,311	5,286	6,542	7,177	8,422	10,329	12,784	14,024
	3000K Lumens	4,075	4,998	6,185	6,786	7,963	9,766	12,086	13,259
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
T4W	4000K/5000K Lumens	4,254	5,217	6,458	7,084	8,313	10,195	12,619	13,843
	3000K Lumens	4,023	4,933	6,105	6,698	7,860	9,639	11,931	13,088
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
SL2	4000K/5000K Lumens	4,196	5,147	6,370	6,988	8,202	10,058	12,449	13,656
	3000K Lumens	3,967	4,866	6,022	6,607	7,755	9,509	11,771	12,911
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
SL3	4000K/5000K Lumens	4,284	5,255	6,504	7,134	8,374	10,268	12,709	13,941
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
SL4	4000K/5000K Lumens	4,071	4,992	6,179	6,778	7,954	9,756	12,074	13,246
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
5NQ	4000K/5000K Lumens	4,420	5,420	6,709	7,358	8,637	10,591	13,108	14,380
	3000K Lumens	4,179	5,124	6,343	6,957	8,166	10,013	12,393	13,595
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
5MQ	4000K/5000K Lumens	4,501	5,520	6,831	7,494	8,795	10,786	13,350	14,644
	3000K Lumens	4,256	5,219	6,458	7,085	8,316	10,198	12,622	13,845
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
5WQ	4000K/5000K Lumens	4,513	5,534	6,849	7,514	8,819	10,815	13,385	14,683
	3000K Lumens	4,268	5,232	6,475	7,104	8,338	10,224	12,656	13,882
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SLL/SLR	4000K/5000K Lumens	3,765	4,619	5,716	6,270	7,358	9,023	11,167	12,251
	3000K Lumens	3,560	4,367	5,404	5,927	6,957	8,531	10,559	11,583
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3
RW	4000K/5000K Lumens	4,379	5,370	6,647	7,293	8,558	10,494	12,989	14,250
	3000K Lumens	4,141	5,077	6,285	6,895	8,092	9,922	12,281	13,473
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
AFL	4000K/5000K Lumens	4,396	5,390	6,672	7,318	8,590	10,533	13,037	14,301
	3000K Lumens	4,156	5,096	6,308	6,919	8,121	9,959	12,326	13,521
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2

* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

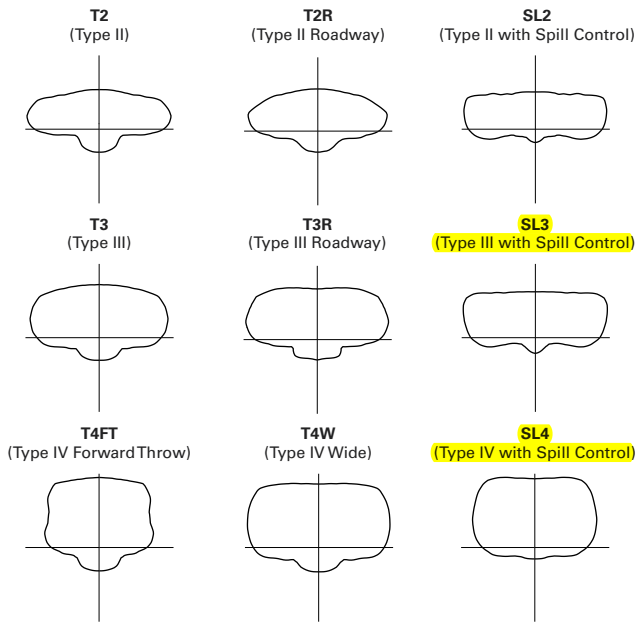


Eaton
 1121 Highway 74 South
 Peachtree City, GA 30269
 P: 770-486-4800
www.eaton.com/lighting

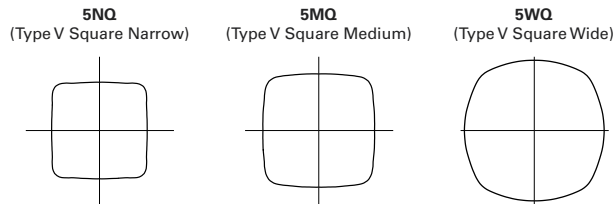
Specifications and dimensions subject to change without notice.

OPTICAL DISTRIBUTIONS

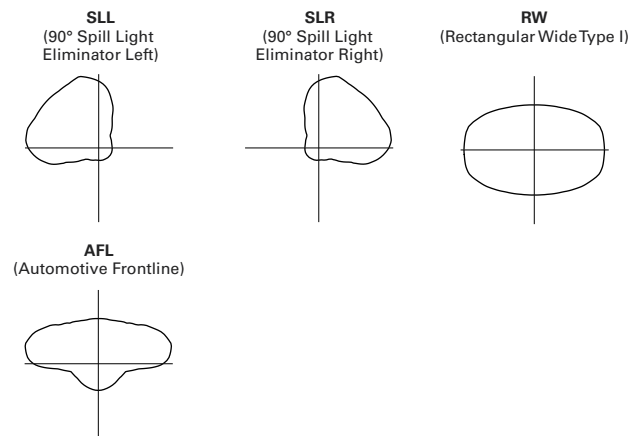
Asymmetric Area Distributions



Symmetric Distributions

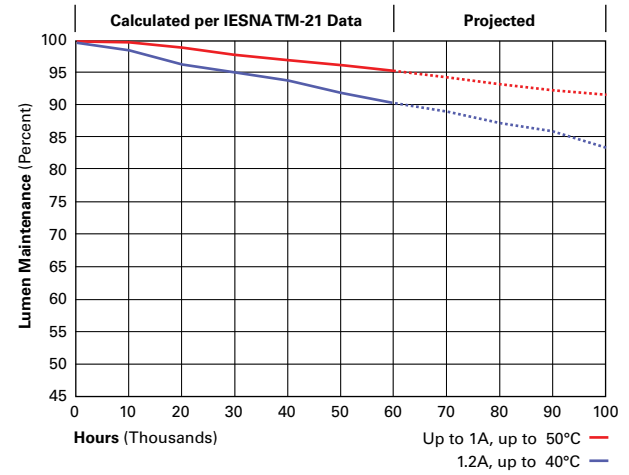


Specialized Distributions



LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 205,000



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

CONTROL OPTIONS

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (P, R and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

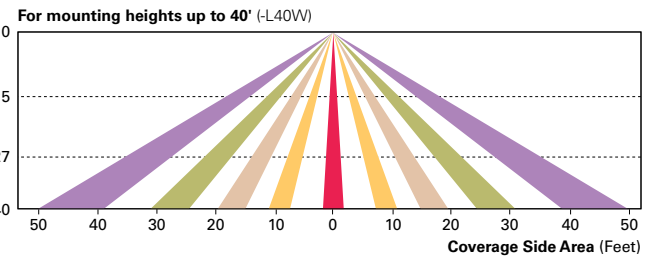
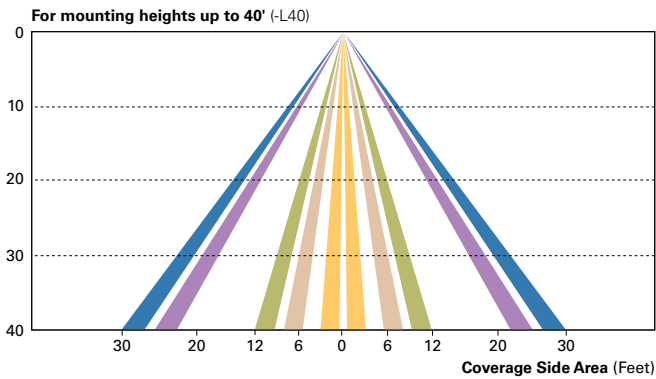
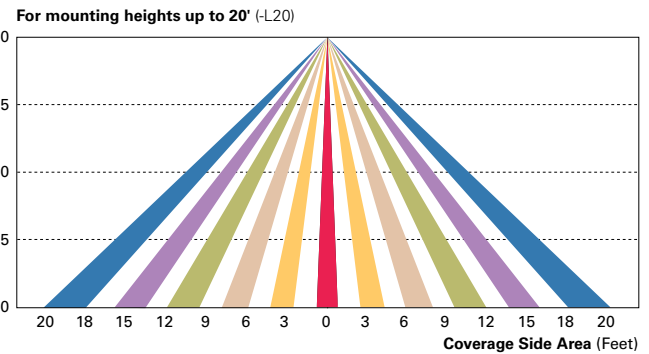
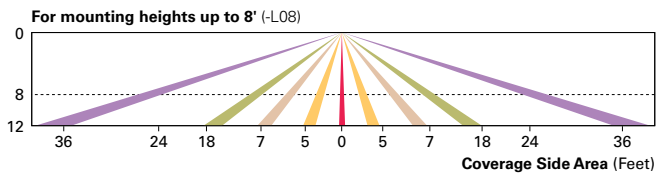
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)

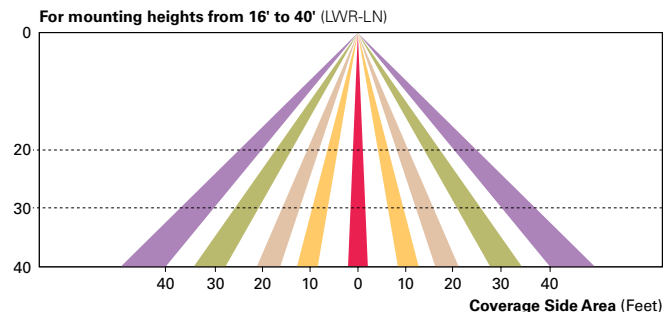
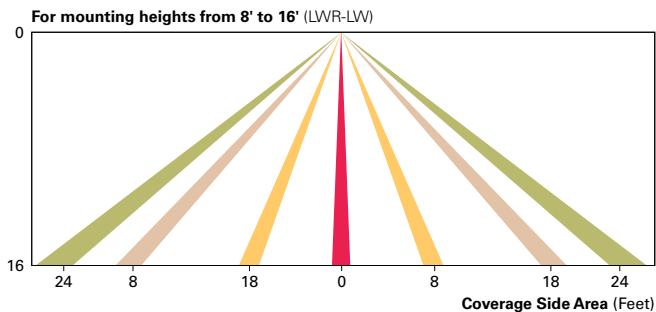
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton’s LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

ORDERING INFORMATION

Sample Number: GPC-AF-02-LED-E1-T3-GM

Product Family	Light Engine	Number of Light Squares ¹	Lamp Type	Voltage	Distribution	Color	Mounting Options
GPC=Galleon Pedestrian Companion	AF=1A Drive Current	01=1 02=2	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ² 480=480V ^{2,3}	T2=Type II T2R= Type II Roadway T3=Type III T3R= Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I 5NQ=Type V Square Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White CC=Custom Color ⁴	QM=Quick Mount Arm for Round or Square Pole ^{5,6} MA=2-3/8" Mast Arm ^{5,7}
Options (Add as Suffix)					Accessories (Order Separately)		
<p>7027=70 CRI / 2700K ⁸ 7030=70 CRI / 3000K ⁸ 8030=80 CRI / 3000K ⁸ 7050=70 CRI / 5000K ⁸ 7060=70 CRI / 6000K ⁸ 600=Drive Current Factory Set to 600mA 800=Drive Current Factory Set to 800mA 1200=Drive Current Factory Set to 1200mA ⁹ F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage) 10K=10kV Surge Module DIM=0-10V Dimming Leads ^{10,11} HA=50°C High Ambient ¹² P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) R=NEMA Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ¹³ AHD145=After Hours Dim, 5 Hours ¹⁴ AHD245=After Hours Dim, 6 Hours ¹⁴ AHD255=After Hours Dim, 7 Hours ¹⁴ AHD355=After Hours Dim, 8 Hours ¹⁴ MS-LXX=Motion Sensor for On/Off Operation ^{15,16,17} MS/DIM-LXX=Motion Sensor for Dimming Operation ^{15,16,17} LWR-LW=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{17,18,19} LWR-LN=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{17,18,19} LCF=Light Square Trim Plate Painted to Match Housing ²⁰ MT=Factory Installed Mesh Top L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right HSS=Factory Installed House Side Shield ²¹ CE=CE Marking and Small Terminal Block ²² ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle ^{26,27} ZW-SWPD4XX=Wavelinx Wireless Sensor, 7' - 15' Mounting Height ^{26,27,29} ZW-SWPD5XX=Wavelinx Wireless Sensor, 15' - 40' Mounting Height ^{26,27,29}</p>					<p>OA/RA1013=Photocontrol Shorting Cap OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 480V MA1252=10kV Circuit Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁶ LS/HSS=Field Installed House Side Shield ^{21,23} WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin) ^{24,26} SWPD4-XX=Wavelinx Wireless Sensor, 7' - 15' Mounting Height ^{26,27,28,29} SWPD5-XX=Wavelinx Wireless Sensor, 15' - 40' Mounting Height ^{26,27,28,29}</p>		

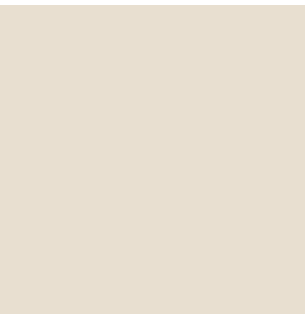
- NOTES:**
- Standard 4000K CCT and minimum 70 CRI.
 - Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
 - Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
 - Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
 - Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
 - Quick mount arm adapter is factory installed. Pole mounting bracked shipped in box. Suitable for 1.5G. Fits square and round pole up to 6" O.D.
 - Mast arm adapter factory installed (2-3/8" O.D. arm only). Suitable for 3G vibration.
 - Extended lead times apply. Use dedicated IES files when performing layouts.
 - Not available with HA option.
 - Cannot be used with other control options.
 - Low voltage control lead brought out 18" outside fixture.
 - HA option available for single light square only. Not available with 1200mA drive current.
 - Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
 - Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
 - Replace LXX with mounting height in feet for proper lens selection (e.g., L8=8' mounting height). L8, L20, L40, and L40W are available options.
 - The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
 - Includes integral photosensor.
 - Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
 - LumaWatt wireless sensors are factory installed requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information.
 - Not available with HSS option.
 - Only for use with SL2, SL3, SL4, and AFL distributions. The light square trim plate is painted black when the HSS option is selected.**
 - CE is not available with the LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.
 - One required for each light square.
 - Requires PER7.
 - Reserved.
 - Cannot be used in conjunction with photocontrol or other controls systems (P, R, MS, LWR).
 - WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed.
 - Requires ZW.
 - Replace XX with sensor color (WH, BZ, or BK).

SCOPE OF WORK

- MANUFACTURE AND INSTALL (2) TWO ILLUMINATED DOUBLE-FACE GROUND SIGNS
- ALL ALUMINUM CABINET. FINISH: P1
 - 2" X 3/16" ALUM ANGLE FRAME, WELDED
 - 2" X 1/16" ALUM ANGLE RETAINERS
 - 2 1/2" ALUM DIVIDER BARS
 - 3/16" #7328 WHITE ACRYLIC FACES WITH VINYL GRAPHICS
 - INTERNALLY ILLUMINATED WITH WHITE LED STICKS

COLOR SCHEDULE

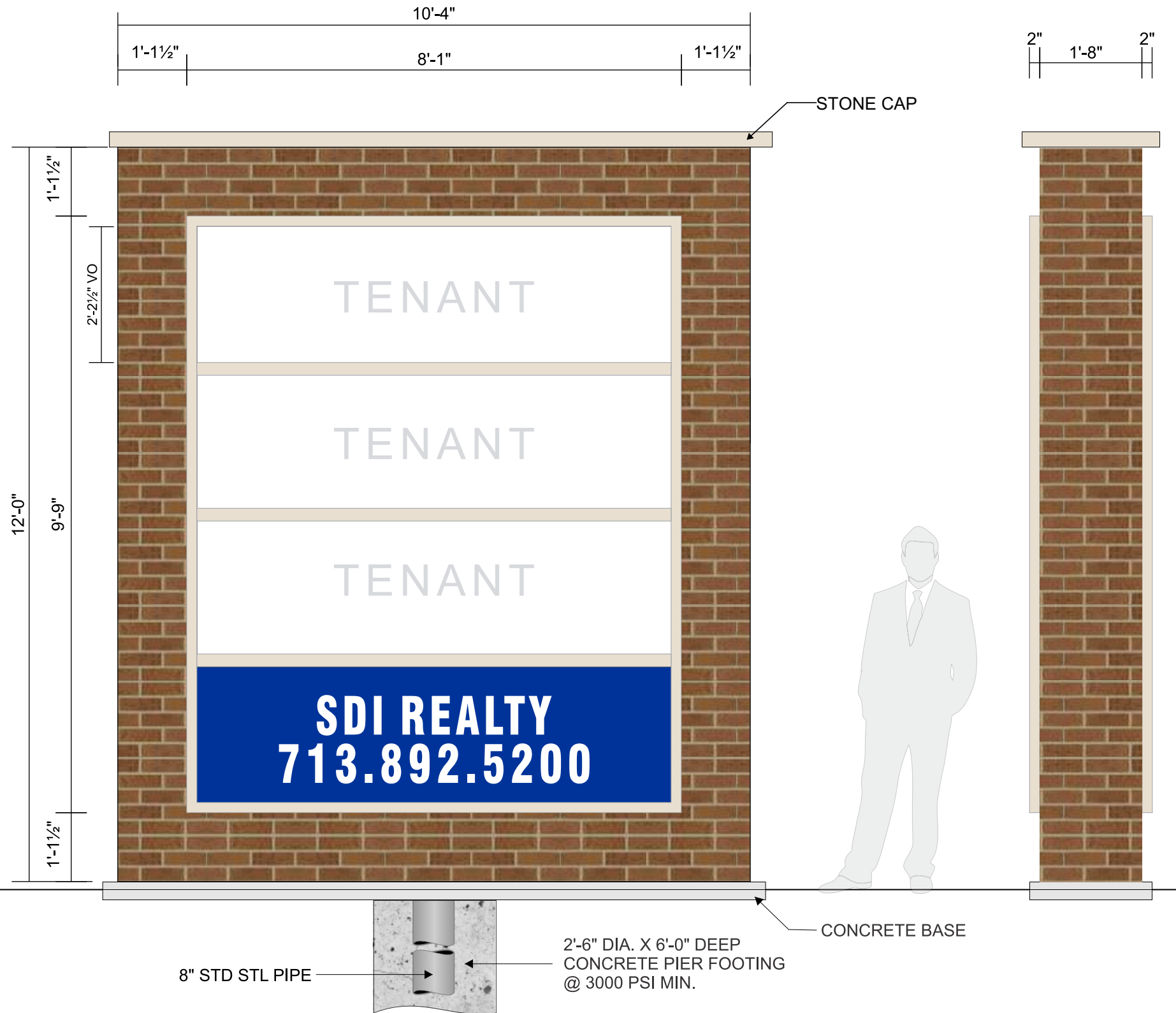
- P1: SW 7697 SAFARI
- V1: 3M 3630-157 SULTAN BLUE



PM-04
PAINTED MTL.
SHERWIN WILLIAMS
SW7697 SAFARI



BR-02
MASONRY BRICK
CLOUD CERAMICS
KANSA GOLD IRONSPOT



GRADE

CONCRETE BASE

8" STD STL PIPE

2'-6" DIA. X 6'-0" DEEP
CONCRETE PIER FOOTING
@ 3000 PSI MIN.

SCALE: 1/2" = 1'-0"



6015 Skyline Dr. Houston, TX 77057
Phone: 713.780.1151 Fax: 713.780.7518
www.accent-signco.com



PROJECT INFORMATION

Job Name:	SDI - ROCKWALL
Location:	RIDGE RD & HORIZON RD ROCKWALL, TEXAS
Date:	03.11.20
Sales Rep:	MIKE C.
Drawn By:	JAY S.
Dwg #:	ASA20 1100 1
Dwg Path:	ASA\SDI\ROCKWALL

REVISIONS

1	03.19.20 Change Size - EM
2	
3	
4	
5	
P	

SOLD FINAL DRAWING APPROVAL

SALEMAN:	DATE:
P.MANAGER:	DATE:

UL UNDERWRITERS LABORATORY
Upon request, this sign is intended to be fabricated & installed in accordance to UL standards and the requirements of article 600 of The National Electric Code and/or other applicable local codes. This includes proper grounding and bonding. The location of the disconnect switch after installation shall comply with Article 600.6 (A)(1) of the National Electrical Code.

NOTE: DIMENSIONS ARE ONLY ACCURATE WHEN PRINTED ON 11"x17" PAPER AT FULLSCALE CLIENT APPROVAL: _____ DATE: _____ LANDLORD APPROVAL: _____ DATE: _____

©2020 ACCENT SIGN & AWNING CO. THIS RENDERING IS THE PROPERTY OF ACCENT SIGN & AWNING CO. ANY REPRODUCTION OR EXHIBITION OF RENDERING IS STRICTLY PROHIBITED AND MAY NOT BE USED TO MANUFACTURE WHAT IS DEPICTED HEREIN WITHOUT THE EXPRESSED WRITTEN CONSENT OF ACCENT SIGN & AWNING CO.