SITE DATA

BUILDING HEIGHT: 46'-0"

PHASE 1:	PHASE 2:
21.28 ACRES	21.28 ACRES
295 UNITS	295 UNITS
13.86 UNITS/ACRE	13.86 UNITS/ACRE

PARKING TABULATION PHASE 1

UNIT PARKING REQUIRED:		
1 BEDROOM UNITS	177(1.5)	266
2 BEDROOM UNITS	82(2)	164
3 BEDROOM UNITS	36(2.5)	90
TOTAL UNIT PARKING REQUIRED		520
CLUB PARKING REQUIRED:	1/300 S.F.	12
TOTAL PARKING REQUIRED:		532
UNIT PARKING PROVIDED:		
UNCOVERED		403
ATTACHED GARAGE		70
CARPORT		47
TOTAL UNIT PARKING PROVIDED		520
CLUB PARKING PROVIDED		12
TOTAL PARKING PROVIDED		532

PARKING TABULATION PHASE 2

UNIT PARKING REQUIRED:		
1 BEDROOM UNITS	177(1.5)	266
2 BEDROOM UNITS	82(2)	164
3 BEDROOM UNITS	36(2.5)	90
TOTAL UNIT PARKING REQUIRED		520
CLUB PARKING REQUIRED:	1/300 S.F.	12
TOTAL PARKING REQUIRED:		532
UNIT PARKING PROVIDED:		
UNCOVERED		403
ATTACHED GARAGE		70
CARPORT		47
TOTAL UNIT PARKING PROVIDED		520
CLUB PARKING PROVIDED		12
TOTAL PARKING PROVIDED		532

UNIT TABULATION PHASE 1

UNIT TYPE	# UNITS	UNIT S.F.	TOTAL S.F.
A1 - ONE BEDROOM, ONE BATH	34	650	22,100
A2 - ONE BEDROOM, ONE BATH	40	750	30,000
A3 - ONE BEDROOM, ONE BATH	38	850	32,300
A4 - ONE BEDROOM, ONE BATH	4	942	3,768
A5 - ONE BEDROOM, ONE BATH	34	975	33,150
A6 - ONE BEDROOM, ONE BATH, STUDY	23	1,075	24,725
A7 - ONE BEDROOM, ONE BATH	4	1,076	4,304
B1 - TWO BEDROOM, TWO BATH	22	1,125	24,750
B2 - TWO BEDROOM, TWO BATH	11	1,125	12,375
B3 - TWO BEDROOM, TWO BATH	20	1,175	23,500
B4 - TWO BEDROOM, TWO BATH	29	1,230	35,670
B5 - TWO BEDROOM, TWO BATH, STUDY	0	1,240	0
C1 - THREE BEDROOM, TWO BATH	24	1,360	32,640
C2 - THREE BEDROOM, THREE BATH	12	1,560	18,720
TOTAL	295		298,002

UNIT TABULATION PHASE 2

UNIT TYPE	# UNITS	UNIT S.F.	TOTAL S.F.
A1 - ONE BEDROOM, ONE BATH	36	650	23,400
A2 - ONE BEDROOM, ONE BATH	36	750	27,000
A3 - ONE BEDROOM, ONE BATH	36	850	30,600
A4 - ONE BEDROOM, ONE BATH	4	942	3,768
A5 - ONE BEDROOM, ONE BATH	32	975	31,200
A6 - ONE BEDROOM, ONE BATH, STUDY	25	1,075	26,875
A7 - ONE BEDROOM, ONE BATH	4	1,076	4,304
B1 - TWO BEDROOM, TWO BATH	26	1,125	29,250
B2 - TWO BEDROOM, TWO BATH	7	1,125	7,875
B3 - TWO BEDROOM, TWO BATH	24	1,175	28,200
B4 - TWO BEDROOM, TWO BATH	29	1,230	35,670
B5 - TWO BEDROOM, TWO BATH, STUDY	0	1,240	0
C1 - THREE BEDROOM, TWO BATH	24	1,360	32,640
C2 - THREE BEDROOM, THREE BATH	12	1,560	18,720
TOTAL	295		299,502

SITE PLAN NOTES:

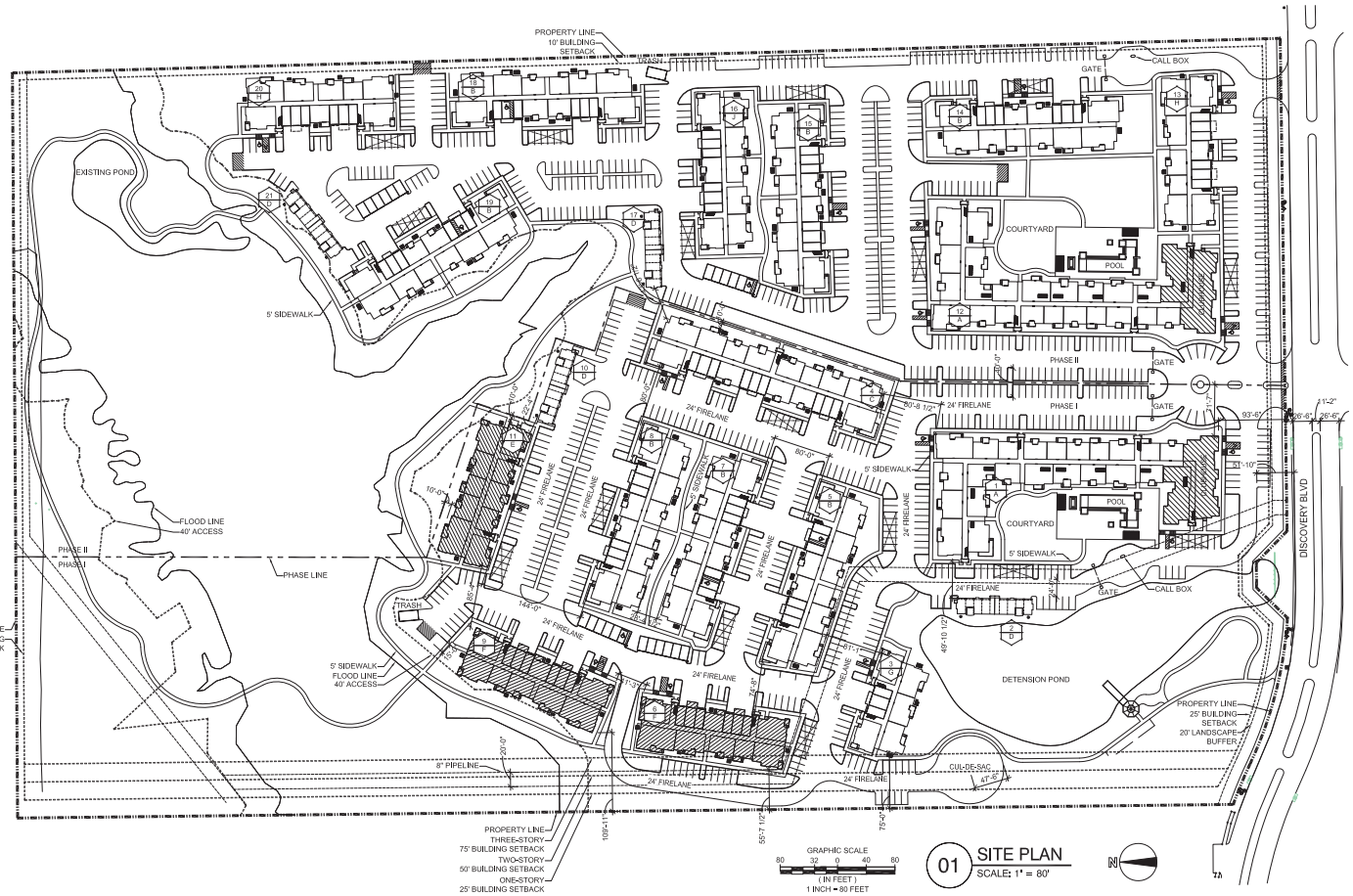
- 4% ENGINEERING INSPECTION FEES
- IMPACT FEES
- DETENTION IS REQUIRED, NOT ALLOWED IN FLOOD PLAIN.
- OFF SITE SEWER & LIFT STATION UPGRADES REQUIRED (INCLUDING BUT NOT LIMITED TO A 15" & 18" GRAVITY SEWER, & MIMS LIFT STATION UPGRADE)
- ON SITE SEWER UPGRADES (UP-SIZING A 10" TO 15" & 8" TO 10") REQUIRED
- PROPERTY OWNER WILL BE RESPONSIBLE FOR MAINTAINING, REPAIR, & REPLACEMENT OF THE DETENTION & DRAINAGE SYSTEMS.
- MINIMUM UTILITY & DRAINAGE EASEMENT WIDTHS ARE 20'.
- ALL DEAD END PARKING TO HAVE A 15\24' TURNAROUND AREA. (NO PARKING AREA TO BE INFORCED)
- ALL DRIVE AISLE TO BE A MINIMUM OF 24' WIDE.
- ADHERENCE TO ENGINEERING & FIRE DEPARTMENT STANDARDS SHALL BE REQUIRED.
- MUST MEET & ADHERE TO ALL FIRE CODE REQUIREMENTS.
- BUILDINGS OR PORTIONS OF BUILDINGS OR FACILITIES THREE OR MORE STORIES OR 30' OR MORE IN HEIGHT ABOVE THE LOWEST LEVEL OF THE FIRE DEPARTMENT VEHICLE ACCESS SHALL BE PROVIDED WITH A 24' FIRELANE A MIN OF 15' TO A MAX OF 30' FROM THE BUILDING & SHALL BE POSITIONED PARALLEL TO ONE ENTIRE SIDE OF THE BUILDING.
- APPROVED FIRE APPARATUS ACCESS ROADS SHALL EXTEND TO WITHIN 250' OF ALL PORTIONS OR THE FACILITY & ALL PORTIONS OF THE EXTERIOR WALLS OF THE FIRST STORY OF THE BUILDING AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY.
- WHERE A PORTION OF THE FACILITY OR BUILDING HEREAFTER CONSTRUCTED WITHIN THE JURISDICTION IS MORE THAN 600' FROM A HYDRANT ON A FIRE APPARATUS ACCESS ROAD, AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE FACILITY OR BUILDING, ON-SITE FIRE HYDRANTS & MAINS SHALL BE PROVIDED WHERE REQUIRED BY THE FIRE CODE OFFICIAL.
- BUILDINGS OVER 5,000 SF SHALL BE EQUIPPED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH NFPA.
- THE PROPOSED LOCATION OF THE FIRE DEPARTMENT CONNECTION (FDC) SHALL BE INDICATED ON THE PLANS. THE FDC IS REQUIRED TO BE ALONG THE 24' FIRELANE & WITHIN 100' AS THE HOSE LAYS, OF A FIRE HYDRANT.
- A MIN OF 5' WIDE SIDEWALK SHALL BE PROVIDED FROM THE 24' FIRELANE TO THE FDC. PARKING SPACES ARE NOT CONSIDERED A CLEAR PATHWAY.
-UNDERGROUND FIRE LINE PIPING SHALL HAVE A 10' MIN SEPERATION FROM ALL OTHER UTILITIES IN A SEPARATE TRENCH. UNDERGROUND PIPING WITHIN 5' OF THE BUILDING MAY BE COMBINED WITH OTHER UTILITIES FOR ENTRANCE INTO THE BUILDING.
- KNOX BOXES WILL BE REQUIRED ON EVERY BUILDING LOCATED AT THE RISER ROOM DOOR.
- GATES SHALL NOT OBSTRUCTE FIRE APPARATUS ACCESS ROADS IN ANY MANNER. THE MIN WIDTHS & CLEARANCES ESTABLISHED SHALL BE MAINTAINED AT ALL TIMES. GATES SHALL OPEN ELECTROMECHANICALLY USING THE OVERHEAD DOOR COMPANY EMERGENCY INGRESS SYSTEM RADIO RECEIVER. A MANUAL BACK-UP SYSTEM SHALL BE ACCESSIBLE ON THE ENTRY SIDE OF THE GATE TO ALLOW ACCESS THROUGH THE GATE IN THE EVENT OF A POWER FAILURE. OR OTHER FAILURE OF THE ELECTROMECHANICAL SYSTEM. THE SYSTEM SHALL BE DESIGNED TO OPEN MANUALLY BY ONE PERSON UTILIZING AN APPROVED SINGLE MANUAL RELEASE DEVICE. THE MANUAL RELEASE DEVICE SHALL BE WITHIN 10' OF THE GATE IN A LOCATION CLEARLY VISIBLE & IS EASILY ACCESSIBLE FROM THE ENTRY SIDE OF THE GATE. & BE LOCATED IN A FIRE DEPARTMENT APPROVED WEATHERPROOF BOX.
- HVAC UNITS TO BE SCREENED BY LANDSCAPING AND MECHANICAL WELLS.

BUILDING TABULATION PHASE 1

TYPE	#BLDGS	UNITS/BLDG.	UNIT TYPES.	BLDG. S.F.	TOTAL S.F.
A	1	71	A1-12, A2-8, A3-3, A4-4,A5-7, A6-6, B1-6, B2-1, B4-5, C2-6, CLUB	67,428	67,428
B	3	34	A1-3, A2-6, A3-3, A5-5, A6-2, B1-3, B4-6, C1-6	34,940	104,820
C	1	45	A1-3, A2-8, A3-9, A5-10, B1-3, B4-6, C1-6	44,915	44,915
D	2	2	A7-2	2,152	4,304
E	1	20	A1-2, A2-4, A3-4, A5-2, B2-4, B3-2, C2-2	19,620	19,620
F	2	18	A1-4, A3-2, A6-2, B1-2, B3-6, C2-2	18,870	37,740
G	1	17	A6-5, B2-6, B3-6	19,805	19,805
TOTAL	11				298,002

BUILDING TABULATION PHASE 2

TYPE	#BLDGS	UNITS/BLDG.	UNIT TYPES.	BLDG. S.F.	TOTAL S.F.
A	1	71	A1-12, A2-8, A3-3, A4-4,A5-7, A6-6, B1-6, B2-1, B4-5, C2-6, CLUB	67,428	67,428
B	3	34	A1-3, A2-6, A3-3, A5-5, A6-2, B1-3, B4-6, C1-6	34,940	104,820
D	2	2	A7-2	2,152	4,304
H	2	28	A1-6, A3-3, A6-3, B1-4, B3-9, C2-3	18,870	37,740
J	1	28	A3-6, A5-5, A6-5, B2-6, B3-6	29,150	29,150
TOTAL	11				299,502

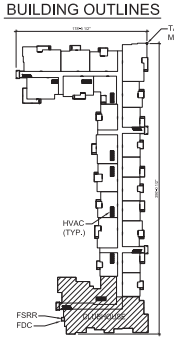


01 SITE PLAN
SCALE: 1" = 80'

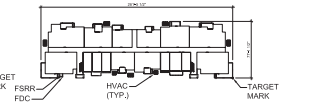
BUILDING KEY

BUILDING NUMBER
BUILDING TYPE

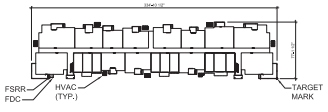
BUILDING OUTLINES



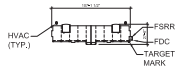
BUILDING 'A' 3 STORY



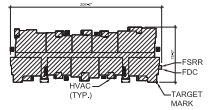
BUILDING 'B' 3 STORY



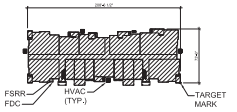
BUILDING 'C' 3 STORY



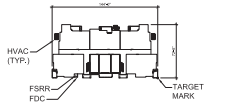
BUILDING 'D' 2 STORY



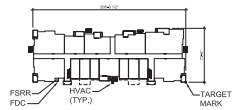
BUILDING 'E' 2 STORY



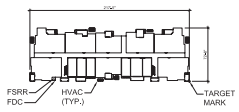
BUILDING 'F' 2 STORY



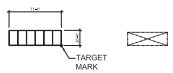
BUILDING 'G' 3 STORY



BUILDING 'H' 3 STORY



BUILDING 'J' 3 STORY



GARAGE

CARPORT

LEGEND

PROPERTY LINE	
EASEMENTS/SETBACKS	
TARGET MARK	
HANDICAP PARKING	
HANDICAP VAN PARKING	V
HANDICAP UNIT DESIGNATION	
A/C CONDENSING UNIT	
FIRE SPRINKLER RISER ROOM & FDC	*

OWNER
PNEUMA VENTURES, LTD
714 SANCTUARY WAY
HEATH, TX 75032
Ph. (972) 345-1498
Contact: ROBERT LAMBERTH

DEVELOPER
SWBC BUILDERS
5949 SHERRY LANE #750
DALLAS, TX 75225
Ph. (214) 987-6317
Contact: SPENCER BYINGTON

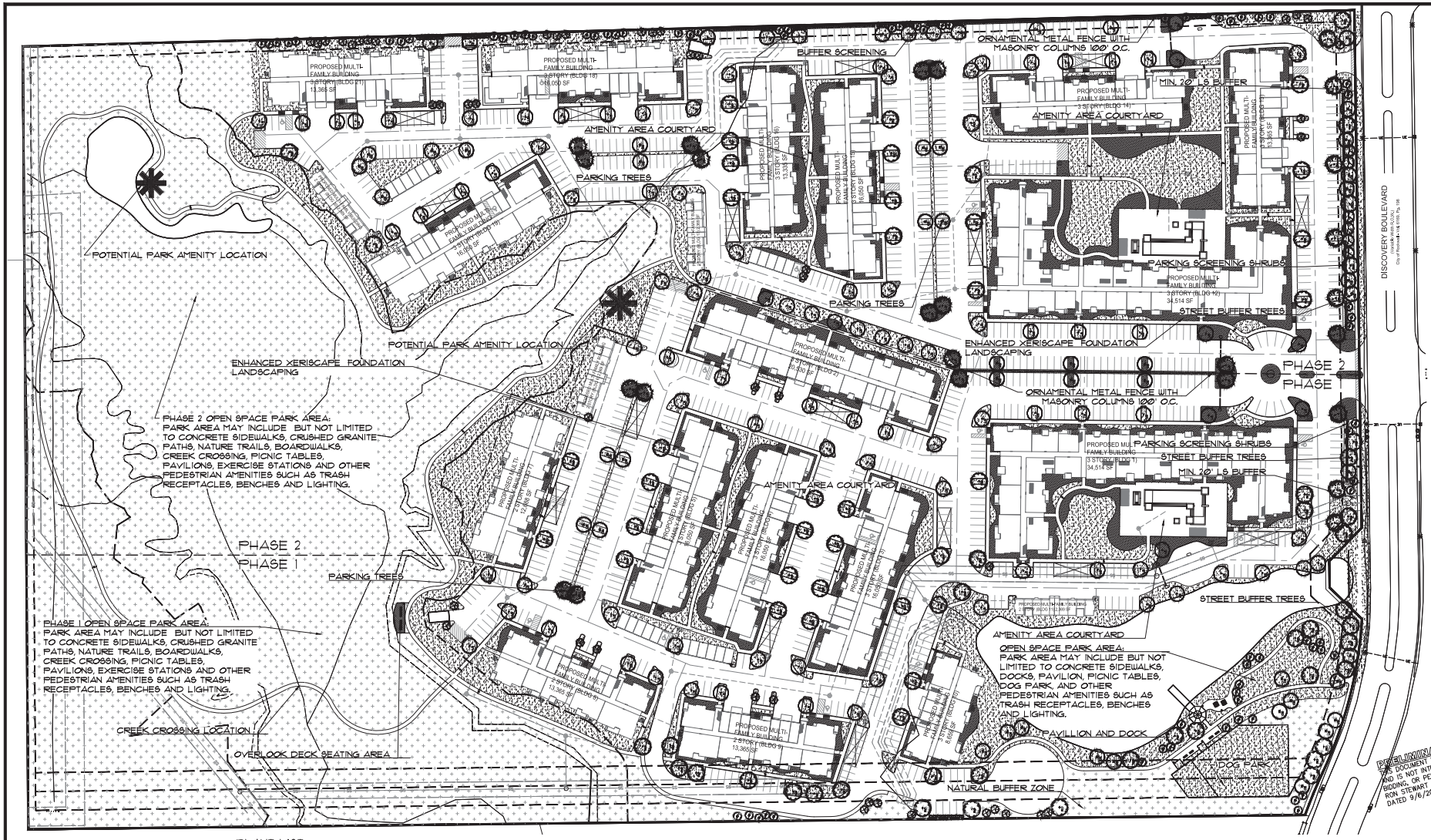
Cross architects
CROSS ARCHITECTS
1255 W. 15TH. ST., SUITE 125
PLANO, TEXAS 75075
PH: 972.398.6644
FAX: 972.312.8666
brumsey@crossarchitects.com

SWBC AT ROCKWALL

2300 DISCOVERY BLVD,
ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	09/06/17	SP2017-027



PRELIMINARY PLANS
THIS DOCUMENT IS FOR INTERIM REVIEW. IT IS NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
RON STEWART LANDSCAPE ARCHITECT
DATED 9/6/2017
STATE OF TEXAS 791

PLANT LEGEND

LO LIVE OAK *Quercus virginiana*
RO RED OAK *Quercus shumardii*
LE LACEBARK ELM *Ulmus parvifolia*
CE CEDAR ELM *Ulmus crassifolia*
RBI RED BUD *Cercis canadensis*
CCM CRAPEMYRTLE *Lagerstroemia indica*
VCT CHASTE TREE *Vitex agnus-castus*
INNS NELLIE R. STEVENS *Ilex x Nellie R. Stevens'*
TXS TEXAS SAGE *Leucophyllum frutescens*

PLANT LIST

QUANT.	COMMON NAME	BOTANICAL NAME	SIZE	MIN. HT.	SPACE	REMARKS
25	LIVE OAK	*Quercus virginiana*	3" cal.	18'-12'	Per Plan	Single Trunk
77	RED OAK	*Quercus shumardii*	3" cal.	18'-12'	Per Plan	Single Trunk
187	LACEBARK ELM	*Ulmus parvifolia*	3" cal.	18'-12'	Per Plan	Single Trunk
42	CEDAR ELM	*Ulmus crassifolia*	3" cal.	18'-12'	Per Plan	Single Trunk
6	RED BUD	*Cercis canadensis*	3dgal.	7'-8'	Per Plan	Full
73	CHASTE TREE	*Vitex agnus-castus*	3dgal.	7'-8'	Per Plan	Full
46	CRAPEMYRTLE	*Lagerstroemia indica*	3dgal.	7'-8'	Per Plan	Full
48	NELLIE R. STEVENS	*Ilex x Nellie R. Stevens'*	7gal.	8'-6'	Per Plan	
261	TEXAS SAGE	*Leucophyllum frutescens*	5gal.	36"	2'-0"	Full

TOTAL SITE SF = 1,853,313
FLOODPLAIN SF = 346,25 / 50% = 173,130
LANDSCAPE AREA = 305,278

TOTAL SITE(1,853,313) x 20% REQUIRED OPEN SPACE = 370,662 SF

50% FLOODPLAIN(173,130) + LANDSCAPE AREA(305,278) = 478,408 SF OF OPEN SPACE

LANDSCAPE ORDINANCE

CITY OF ROCKWALL

Final landscape plan will meet all City of Rockwall development ordinances.
All landscape will be maintained according to city standards.
All required landscape will be 100% watered by an underground irrigation system.

SITE LANDSCAPE

REQUIRED: All canopy/Shade trees planted within this development shall be a minimum of 4 caliper inches in size and all Accent/Ornamental trees shall be a minimum of 4 feet in total height.
PROVIDED: All canopy trees are 4 caliper inches
REQUIRED: A minimum of 20% (8.5 acres) open space. Floodplain acreage my comsy count for up to 50% of the 20% open space requirement.
PROVIDED: 10% Floodplain + 16.5% Landscaped area = 26.5% Open Space

BUFFER LANDSCAPE

REQUIRED: A minimum 20' landscape street buffer shall be required along Discovery Blvd. street frontage.
PROVIDED: 20' landscape buffer

REQUIRED: Three large shade 3 and 2 small ornamental trees shall be required per 100 linear feet of street buffer frontage. Discovery Boulevard : 942 l.f. of street frontage / 100 l.f. = 28 canopy trees and 19 ornamental trees.
PROVIDED: 28 canopy trees + 19 ornamental trees

PARKING LANDSCAPE

REQUIRED: Any parking lot with more than two rows of spaces shall have a minimum of five spaces or 200 feet, whichever is greater, in the interior of the parking lot in landscaping. Such landscaping shall be counted toward the total landscape requirement.
REQUIRED: If the parking and maneuvering space exceeds 20,000 S.F. one large canopy tree for every ten spaces.
80 parking spaces x 16 sq. ft. = 1280 sq. ft.
PROVIDED: 4,320 sq. ft. of landscape and 1 shade tree with in 80 feet of every parking space.

REQUIRED: Min. 1 canopy tree per 10 parking spaces planted internal to parking lot. Each parking stall shall be located no greater than 80' from a canopy tree. Phase 1 parking = 532 Phase 2 parking = 532 Total = 1,064 parking spaces. 106 canopy trees required.
PROVIDED: (204) 3" canopy trees and (20) ornamental trees.

NORTH

60 0 60 120 180 Feet
SCALE: 1"=60'

OWNER/DEVELOPER
SWBC BUILDERS
6949 SHERRY LANE #760
DALLAS, TX 75225
Ph. (214) 987-6317
Contact: SPENCER BYINGTON

GARY SMITH ASSOCIATES
CONSULTANTS, LLC
111 Hillside Drive • Lewisville, TX 75067
P: 972.436.9712 • F: 972.436.9715
144 Old Town Blvd North, Ste 2 • Argyle, TX 76226
P: 940.240.0012 • F: 940.240.0128
TBPE Firm No. 3799 TBPLS Firm No. 10047700

SWBC ROCKWALL

SWBC ROCKWALL
Lot VALUE, Block VALUE
Value
Approx. 42.56 Acres
in the
JM. ALLEN SURVEY, ABSTRACT NO. 2
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

LANDSCAPE PLAN

Drawn By: ---
Date: 08/17/2017
Scale: 1"=60'
Revisions:

17193

L1.0

File: S:\2017\17193\Landscape\Site Plan\Sheet\17193 L1.0.dwg
Plotted: 9/6/2017 2:45 PM, by Ryan Holzner Saved: 9/5/2017 2:44 PM, by ryanmh

Rockwall Technology Park
cab. d, slide 312

Hitt Family Limited Partnership
vol. 1874, pg 238

McKeown - Belaustegui Addition
cab. e, slide23

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 21) 13,365 SF

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 18) 16,050 SF

AMENITY AREA COURTYARD

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 19) 16,050 SF

POTENTIAL PARK AMENITY LOCATION

POTENTIAL PARK AMENITY LOCATION

PHASE 2 OPEN SPACE PARK AREA:
PARK AREA MAY INCLUDE BUT NOT LIMITED TO CONCRETE SIDEWALKS, CRUSHED GRANITE PATHS, NATURE TRAILS, BOARDWALKS, CREEK CROSSING, PICNIC TABLES, PAVILIONS, EXERCISE STATIONS AND OTHER PEDESTRIAN AMENITIES SUCH AS TRASH RECEPTACLES, BENCHES AND LIGHTING.

PHASE 2
PHASE 1

PHASE 1 OPEN SPACE PARK AREA:
PARK AREA MAY INCLUDE BUT NOT LIMITED TO CONCRETE SIDEWALKS, CRUSHED GRANITE PATHS, NATURE TRAILS, BOARDWALKS, CREEK CROSSING, PICNIC TABLES, PAVILIONS, EXERCISE STATIONS AND OTHER PEDESTRIAN AMENITIES SUCH AS TRASH RECEPTACLES, BENCHES AND LIGHTING.

CREEK CROSSING LOCATION

OVERLOOK DECK SEATING AREA

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 16) 13,335 SF

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 17) 12,688 SF

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 20) 16,050 SF

PROPOSED MULTI-FAMILY BUILDING 2 STORY (BLDG 2) 22,530 SF

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 5) 16,050 SF

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 4) 16,050 SF

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 3) 16,050 SF

PROPOSED MULTI-FAMILY BUILDING 2 STORY (BLDG 8) 13,365 SF

PROPOSED MULTI-FAMILY BUILDING 2 STORY (BLDG 9) 13,365 SF

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 10) 8,025 SF

AMENITY AREA COURTYARD

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 14)

AMENITY AREA COURTYARD

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 13) 13,365 SF

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 12) 34,514 SF

DISCOVERY BOULEVARD

PHASE 2
PHASE 1

AMENITY AREA COURTYARD

PROPOSED MULTI-FAMILY BUILDING 3 STORY (BLDG 1) 34,514 SF

OPEN SPACE PARK AREA:
PARK AREA MAY INCLUDE BUT NOT LIMITED TO CONCRETE SIDEWALKS, DOCKS, PAVILION, PICNIC TABLES, DOG PARK, AND OTHER PEDESTRIAN AMENITIES SUCH AS TRASH RECEPTACLES, BENCHES AND LIGHTING.

PAVILION AND DOCK

DOG PARK

NATURAL BUFFER ZONE

Rockwall Downes, Phase 1
insta. no. 20150000008387

The Cambridge Companies, Inc. Trustee
vol. 99 pg.1022

NOTE: All park amenities are dependent upon final re-allocation of park funds.

NORTH

60 0 60 120 180 Feet

SCALE: 1"=60'

OWNER/DEVELOPER
SWBC BUILDERS
5949 SHERRY LANE #750
DALLAS, TX 75225
Ph. (214) 987-6317
Contact: SPENCER BYINGTON

PRELIMINARY PLANS
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RON STEWART LANDSCAPE ARCHITECT
DATED 9/6/2017
RON STEWART 791 STATE OF TEXAS

SITE PLANNING CIVIL ENGINEERING PLATTING
CONSULTANTS, LLC
LAND SURVEYING LANDSCAPE ARCHITECTURE
111 Hillside Drive • Lewisville, TX 75057
P: 972.436.9712 • F: 972.436.9715
1444 Old Town Blvd. North, Ste 2 • Argyle, TX 76226
P: 940.240.1072 • F: (940) 240.1028
TBPE Firm No. 1396 TBPLS Firm No. 10047700

SWBC ROCKWALL

SWBC ROCKWALL
Lot VALUE, Block VALUE
Value
Approx. 42.56 Acres
in the
J.M. ALLEN SURVEY, ABSTRACT NO. 2
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

OPEN SPACE AMENITY PLAN

Drawn By: ---
Date: 08/31/2017
Scale: 1"=60'
Revisions:

17193

L1.0

NORTH

01 SITE PLAN - PHOTOMETRICS

SCALE : 1" = 60'-0"

Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A	7	Lithonia Lighting	DSXW LED 1C 530 30K 50T	1-FOOTED BOLLARD WITH 1X DSXW LED1 OPERATED AT 530mA AND ASYMMETRIC DISTRIBUTION	LED	1	DSXW_LED_1C_530_30K_50T.ies	1114	0.8	32
	C	32	Lithonia Lighting	C 2 32	GENERAL PURPOSE STRIP, 4FT LONG, WITH TWO LAMPS	TWO 32-WATT T8 LINEAR FLUORESCENT	2	C_2_32.ies	2850	0.8	58
	D	44	Lithonia Lighting	DSX0 LED P3 30K TFTM MVOLT	DSX0 LED P3 30K TFTM MVOLT	LED	1	DSX0_LED_P3_30K_TFTM_MVOLT.ies	7641	0.8	71
	DHS	10	Lithonia Lighting	DSX0 LED P3 30K TFTM MVOLT HS	DSX0 LED P3 30K TFTM MVOLT with Houseside HS shield	LED	1	DSX0_LED_P3_30K_TFTM_MVOLT_HS.ies	8122	0.8	71
	B	246	Lithonia Lighting	WSR LED 2 10W/350/40K SR2 MVOLT	WSR LED WITH 1 MODULE, 20 LEDs, 700mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 2 LENS	LED	1	WSR_LED_2_10W/350_40K_SR2_MVOLT.ies	3071	0.8	47
	BL	9	Lithonia Lighting	WSR LED 1 20W/350/40K SR4 MVOLT	WSR LED WITH 1 MODULE, 10 LEDs, 700mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 4 LENS	LED	1	WSR_LED_1_20W/350_40K_SR4_MVOLT.ies	1527	0.8	24

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Property #1		0.4 fc	5.3 fc	0.0 fc	N/A	N/A
Property #2		0.3 fc	2.9 fc	0.0 fc	N/A	N/A

STATE OF TEXAS
HAROLD JOHN VETTER II
112620
LICENSED
PROFESSIONAL ENGINEER

08/17/2017

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SWBC AT ROCKWALL

NORTH OF DISCOVERY BLVD, ±500' E OF INTERSECTION WITH JOHN KING

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	08/18/17	

D-Series
LED Bollard

d:series

Catalog Number

Notes

Type

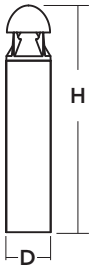
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Diameter: 8" Round *(20.3 cm)*

Height: 42" *(106.7 cm)*

Weight (max): 27 lbs *(12.25 kg)*



Introduction

The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Ordering Information

EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBXD

DSXB LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options	Other options	Finish *(required)*
DSXB LED	**Asymmetric** 12C 12 LEDs[1] **Symmetric** 16C 16 LEDs[2]	350 350 mA 450 450 mA [3,4] 530 530 mA 700 700 mA	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted AMBLW Amber limited wavelength [3,4]	ASY Asymmetric [1] SYM Symmetric [2]	MVOLT [5] 120 [5] 208 [5] 240 [5] 277 [5] 347 [4]	**Shipped installed** PE Photoelectric cell, button type DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup[6]	**Shipped installed** SF Single fuse (120, 277, 347V) [4,7] DF Double fuse (208, 240V) [4,7] H24 24" overall height H30 30" overall height H36 36" overall height FG Ground-fault festoon outlet L/AB Without anchor bolts L/AB4 4-bolt retrofit base without anchor bolts [8]	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Accessories

Ordered and shipped separately.

MRAB U Anchor bolts for DSXB [8]

NOTES

1. Only available in the 12C, ASY version.
2. Only available in the 16C, SYM version.
3. Only available with 450 AMBLW version.
4. Not available with ELCW.
5. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
6. Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
7. Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
8. MRAB U not available with L/AB4 option.

LITHONIA LIGHTING
One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com

Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current	System Watts	3000 K					4000 K					5000 K					Limited Wavelength Amber				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
Asymmetric (12 LEDs)	350	16	1,194	75	1	0	1	1,283	80	1	0	1	1,291	81	1	0	1					
	530	22	1,719	78	1	0	1	1,847	84	1	0	1	1,859	85	1	0	1					
	700	31	2,173	70	1	0	1	2,335	75	1	0	1	2,349	76	1	0	1					
	Amber 450	16																348	22	1	0	1
Symmetric (16 LEDs)	350	20	1,558	78	1	0	0	1,674	84	1	0	0	1,685	84	1	0	0					
	530	28	2,232	80	2	0	1	2,397	86	2	0	1	2,412	86	2	0	1					
	700	39	2,802	72	2	0	1	3,009	77	2	0	1	3,028	78	2	0	1					
	Amber 450	20																419	21	1	0	1

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.98	0.97	0.95

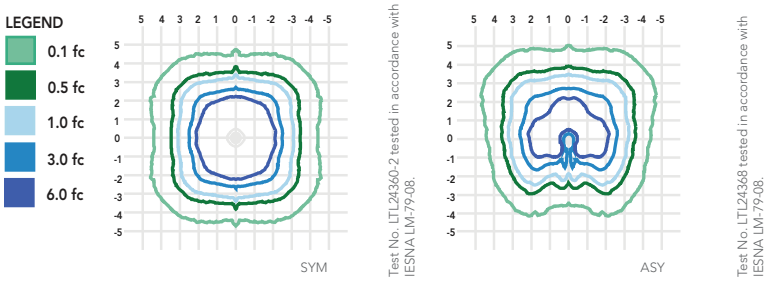
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A)				
			120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.161	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Bollard homepage.

Isofootcandle plots for the DSXB LED 700 40K. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE

The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

CONSTRUCTION

One-piece 8-inch-round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3-5/8" max. bolt circle template ensure stability. Overall height is 42" standard.

FINISH

Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Two 0% uplight optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL

Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

WARRANTY

Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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

WSR LED

Architectural Wall Sconce

Inverted available with WLU option only.

Catalog Number

Notes

Type

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

Introduction

The classic Architectural Wall Sconce is now available with the latest in LED technology. The result is a long-life, maintenance-free product with typical energy savings of 75% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity.

The WSR LED is ideal for replacing existing 50 – 175W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Specifications

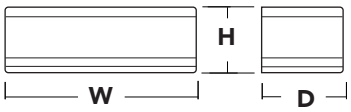
Luminaire

Height: 7-1/4″ *(18.4 cm)*

Width: 18″ *(45.7 cm)*

Depth: 9″ *(22.8 cm)*

Weight: 17 lbs *(7.7 kg)*

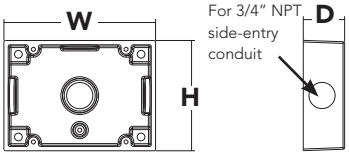


Optional Back Box (BBW)

Height: 4″ *(10.2 cm)*

Width: 5-1/2″ *(14.0 cm)*

Depth: 1-1/2″ *(3.8 cm)*



Ordering Information

EXAMPLE: WSR LED 2 10A700/40K SR3 MVOLT DDBTXD

WSR LED

Series	Light Engines	Performance Package	Distribution	Voltage	Mounting	Options[3]	Finish *(required)*
WSR LED	1 One engine (10 LEDs) 2 Two engines (20 LEDs)	**700 mA options:** 10A700/30K 3000K 10A700/40K 4000K 10A700/50K 5000K	SR2 Type II SR3 Type III SR4 Type IV	MVOLT[1] 120[1] 208[1] 240[1] 277[1] 347 480	**Shipped included** (blank) Surface mount **Shipped separately**[2] BBW Surface-mounted back box UT5 Uptilt 5 degrees	**Shipped installed** PE Photoelectric cell, button type[4,5] SF Single fuse (120, 277, 347V)[4] DF Double fuse (208, 240, 480V)[4] DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup[6] WLU Wet location door for up orientation[7] PIR Motion/ambient light sensor[8] DS Dual switching[9] SPD Separate surge protection[10] **Shipped separately** VG Vandal guard WG Wire guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Emergency Battery Operation

The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All ELCW configurations include an independent secondary driver with an integral relay to immediately detect AC power loss. Dual light engines are wired in parallel so both engines operate in emergency mode and provide additional component redundancy. These design features meet various interpretations of NFPA 70/NEC 2008 - 700.16

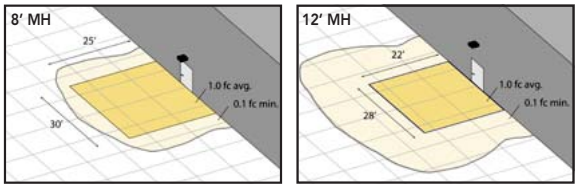
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the single-engine Type IV product in emergency mode.

WST LED 1 10A700/40K SR4 MVOLT ELCW

10′ x 10′ Gridlines

8′ and 12′ Mounting Height



NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with photocell (PE), fusing (SF, DF), or dual switching (DS).
2. May also be ordered separately as an accessory. Ex: WSBBW DDBXD U. Must specify finish.
3. Must be ordered with fixture; cannot be field installed.
4. Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
5. Not available with 480V option. Not available with motion/ambient light sensor (PIR).
6. Integral battery pack is rated for -20° to 60°C operating temperature. ELCW warranty is 3-year period. Not available with 347V or 480V. Not available with WLU. Not available with ELCW.
7. WLU not available with PIR or ELCW.
8. Specifies the SensorSwitch SFOD-7-ODP control (photocell included); see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard. Not available with WLU, VG or WG.
9. Provides 50/50 luminaire operation via two independent drivers and light engines on two separate circuits. Not available with one engine, MVOLT, ELCW, WLU, SF, or DF. Must specify voltage; voltage must be the same for both drivers. When ordered with photocell (PE) or motion sensor (PIR), only the primary power source leads will be controlled.
10. See electrical section on page 2 for more details.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Light Engines	Drive Current (mA)	Performance Package	System Watts (MVOLT[1])	Dist. Type	40K (4000K, 70 CRI)				
					Nominal Lumens	B	U	G	LPW
1 (10 LEDs)	700	10A700/--K	24W	SR2	2,005	1	0	1	84
				SR3	2,029	1	0	1	84
				SR4	1,959	1	0	1	82
2 (20 LEDs)	700	10A700/--K	47W	SR2	3,944	1	0	1	84
				SR3	4,028	1	0	1	86
				SR4	3,851	1	0	1	82

1 See electrical load chart for 347/480V system watts.

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.10
10°C	50°F	1.06
20°C	68°F	1.02
25°C	**77°F**	**1.00**
30°C	86°F	0.98
40°C	104°F	0.92

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **WSR LED 2 10A700** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.94	0.88	0.77

Electrical Load

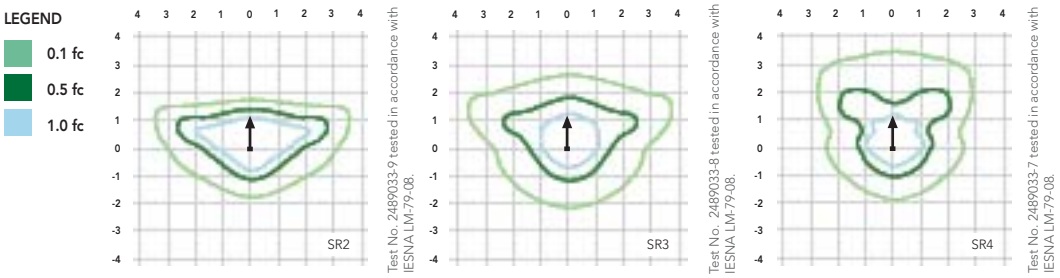
Light Engines	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
1	700	24W	0.24	0.14	0.12	0.1	-	-
		29W[1]	-	-	-	-	0.09	0.07
2	700	47W	0.44	0.27	0.23	0.20	-	-
		53W[1]	-	-	-	-	0.17	0.12

1 Higher wattage is due to electrical losses from step-down transformer.

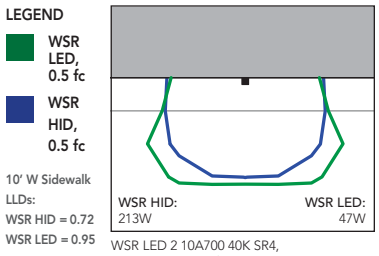
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's WSR LED homepage.

Isofootcandle plots for the WSR LED 2 10A700/40K SR2, SR3, and SR4. Distances are in units of mounting height (12').



Distribution overlay comparison to 175W metal halide.



WSR LED 2 10A700 40K SR4, WSR 175M FT Probe, 12' Mounting Ht

FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WSR LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

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

FINISH

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

OPTICS

Precision-molded acrylic lenses are engineered for superior distribution, uniformity, and spacing in wall-mount applications. Light engines are 4000K (70 CRI). The WSR LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L77). Class 2 electronic driver has a power factor >90%, THD <20%. The electronic driver has a power factor of >90%, THD <20%, and a minimum 2.5 KV surge protection. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated and suitable for wet locations when mounted with the lenses down. WLU option offers wet location listing in "up" orientation. Rated for -30°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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

LITHONIA LIGHTING®

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE

Ideal where high brightness and good illumination levels are required such as retail, light industrial and warehouses.

ATTRIBUTES

Fixture can be assembled with snap together components and requires no tools. Available in one lamp or two lamp configuration.

CONSTRUCTION

Heavy-duty channel, die-formed from Code-gauge steel.

Sturdy channel cover secured by captive quarter-turn latch for easy access to wireway.

Combination endplate/channel connector furnished with each fixture.

FINISH

Five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

ELECTRICAL SYSTEM

MVOLT ballasts are electronic, full light output-reduced energy. Less than 10% THD. Multi-volt operation, 120-277V.
120V ballasts are thermally protected, resetting, Class P, LPF, non-PCB, UL Listed, CSA Certified. Rapid-start ballasts are sound rated A.

INSTALLATION

For unit or row installations, surface or suspended mounting.

LISTING

UL listed to US and Canadian safety standards. For use in damp locations. Optional: Mexico NOM.

WARRANTY

2-year limited warranty. Complete warranty terms located at
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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

Contractor Select

Strip Lights

C Specifications	*Z1 Specifications*	*Z2 Specifications*	*S Specifications*
Length: 24 (61.0)	Length: 24 (61.0)	Length: 24 (61.0)	Length: 18 (45.7)
36 (91.4)	36 (91.4)	36 (91.4)	24 (61.0)
48 (122.0)	48 (122.0)	48 (122.0)	36 (91.4)
72 (182.9)	96 (243.9)	96 (243.9)	48 (122.0)
96 (243.9)	Width: 2-1/4 (5.7)	Width: 2-1/4 (5.7)	Width: 2-3/4 (6.9)
Width: 4-3/8 (11.1)	Depth: 1-1/4 (3.1)	Depth: 1-1/4 (3.1)	Depth: 1-3/4 (4.4)
Depth: 2-1/8 (5.4)			

All dimensions are inches (centimeters).

ORDERING INFORMATION

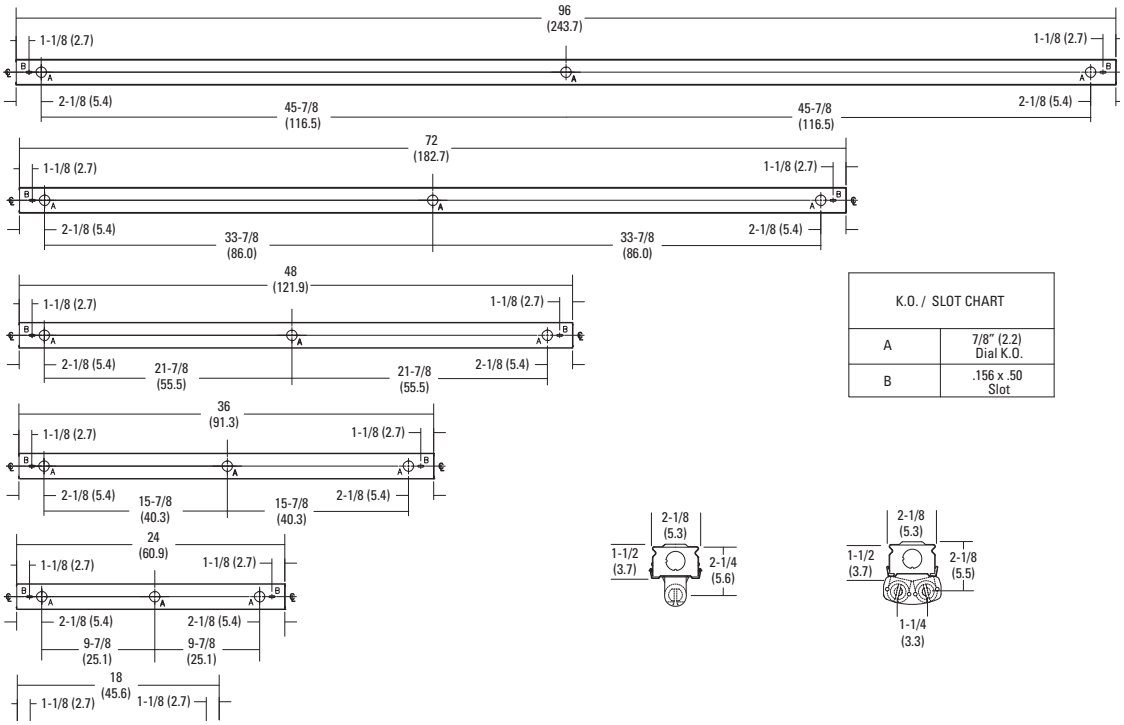
Catalog Number	UPC	Description	# of Lamps	Length	Wattage	Voltage	Ballast Type	Lamp Included	Pallet Qty.	Standard Carton Qty.
C232 MV	745975079711	T8 general-purpose strip	2	48"	32	120-277	Electronic, instant start	N	99	1
TC232 MV	745975080809	T8 general-purpose strip	4	96"	32	120-277	Electronic, instant start	N	99	1
C225 MV	745975081219	T8 general-purpose strip	2	36"	25	120-277	Electronic, instant start	N	99	1
C217 MV	745975081493	T8 general-purpose strip	2	24"	17	120-277	Electronic, instant start	N	198	1
C296	745973789766	T12 general-purpose strip	2	96"	75	120	Electronic, rapid start	N	99	1
C296T8 MV	745977076145	T8 general-purpose strip	2	96"	75	120-277	Electronic, instant start	N	99	1
Z117 MV	745976682675	T8 low-profile strip	1	24"	17	120-277	Electronic, instant start	N	448	1
Z125 MV	745976682705	T8 low-profile strip	1	36"	25	120-277	Electronic, instant start	N	224	1
Z132 MV	745976682736	T8 low-profile strip	1	48"	32	120-277	Electronic, instant start	N	224	1
TZ132 MV	745976682767	Tandem, T8 low-profile strip	2	96"	32	120-277	Electronic, instant start	N	224	1
Z217 MV	745976682781	T8 low-profile strip	2	24"	17	120-277	Electronic, instant start	N	448	1
Z225 MV	745976682927	T8 low-profile strip	2	36"	25	120-277	Electronic, instant start	N	224	1
Z232 MV	745976682941	T8 low-profile strip	2	48"	32	120-277	Electronic, instant start	N	224	1
TZ232 MV	745976682989	Tandem, T8 low-profile strip	4	96"	32	120-277	Electronic, instant start	N	224	1

DIMENSIONS

Inches (centimeters). Subject to change without notice.

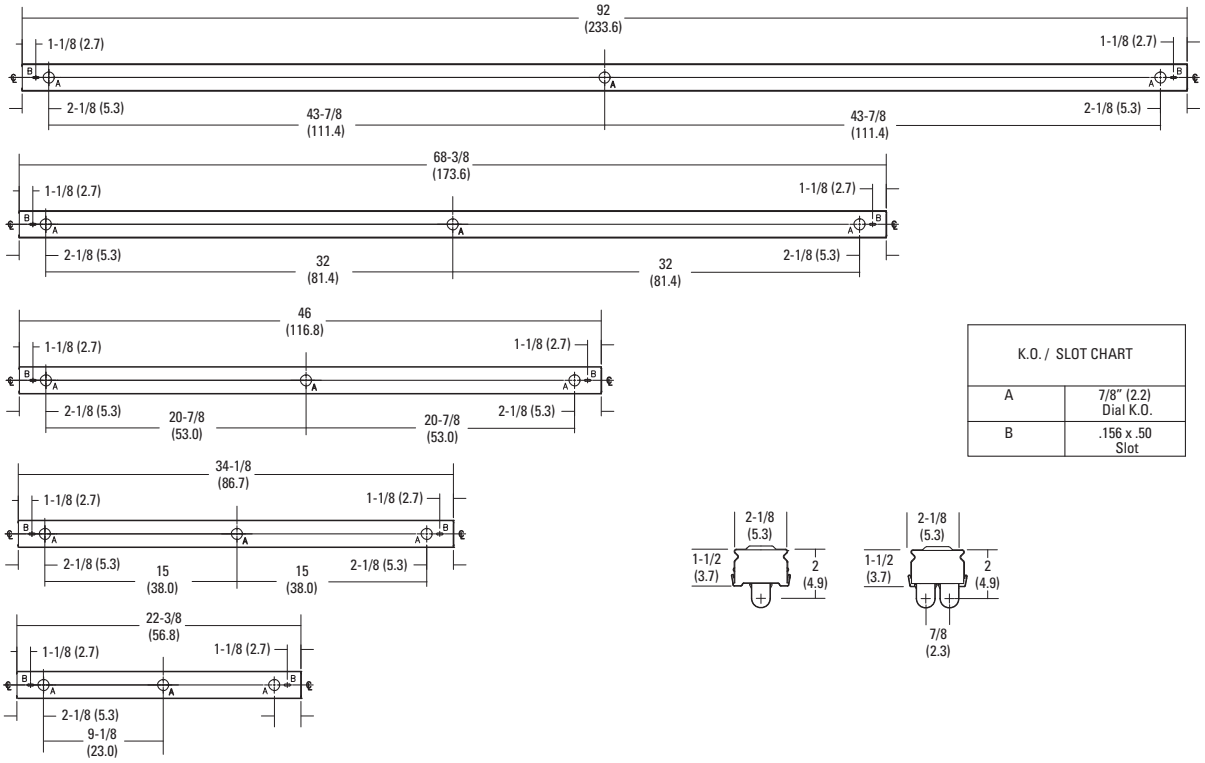
Z STRIPS

T8 DIMENSIONS



K.O. / SLOT CHART	
A	7/8" (2.2) Dial K.O.
B	.156 x .50 Slot

T5 DIMENSIONS

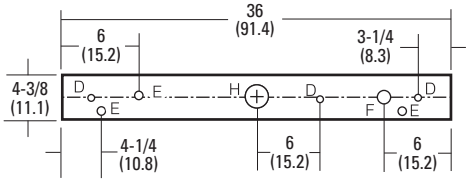


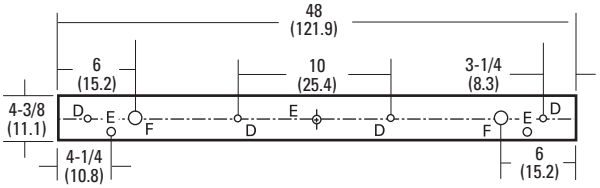
K.O. / SLOT CHART	
A	7/8" (2.2) Dial K.O.
B	.156 x .50 Slot

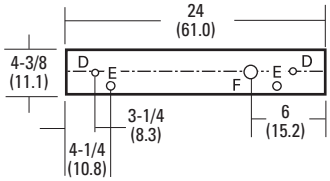
DIMENSIONS (continued)

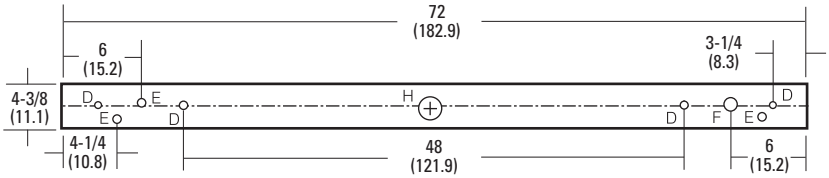
Inches (centimeters). Subject to change without notice.

C STRIPS

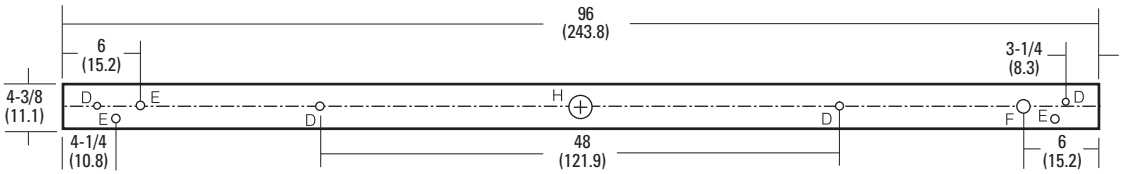








D = 11/16 (17) Dia.K.O.
E = 7/8 (22) Dia.K.O.
F = 1-1/4 (32) Dia.K.O.
H = 2 (51) Dia.K.O.



PHOTOMETRICS

See www.acuitybrands.com.

D-Series Size 0
LED Area Luminaire

Catalog Number

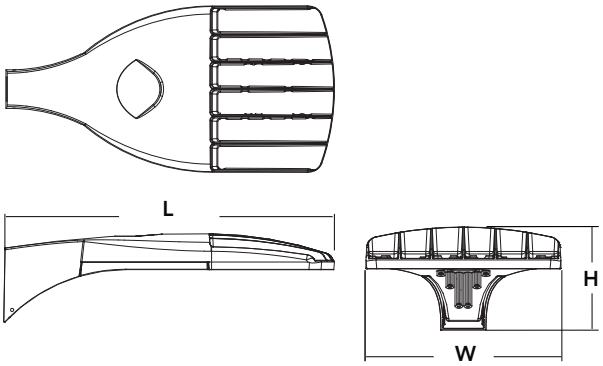
Notes

Type

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

Specifications

EPA:	0.95 ft² (.09 m²)
Length:	26″ (66.0 cm)
Width:	13″ (33.0 cm)
Height:	7″ (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA DDBXD

DSX0 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	**Forward optics** P1 P4 P7 P2 P5 P3 P6 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted[2]	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[2,3] LCCO Left corner cutoff[2,3] RCCO Right corner cutoff[2,3]	MVOLT[4] 120[5] 208[5] 240[5] 277[5] 347[5,6] 480[5,6]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[7] RPUMBA Round pole universal mounting adaptor[7] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[8]

Control options		Other options	Finish *(required)*
Shipped installed		**Shipped installed**	
PER NEMA twist-lock receptacle only (control ordered separate)[9]	PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[11,12]	HS House-side shield[17]	DDBXD Dark bronze
PER5 Five-wire receptacle only (control ordered separate)[9,10]	BL30 Bi-level switched dimming, 30%[13,14]	SF Single fuse (120, 277, 347V)[5]	DBLXD Black
PER7 Seven-wire receptacle only (control ordered separate)[9,10]	BL50 Bi-level switched dimming, 50%[13,14]	DF Double fuse (208, 240, 480V)[5]	DNAXD Natural aluminum
DMG 0-10V dimming extend out back of housing for external control (control ordered separate)	PNMTDD3 Part night, dim till dawn[15]	L90 Left rotated optics[1]	DWHXD White
PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[11,12]	PNMT5D3 Part night, dim 5 hrs[15]	R90 Right rotated optics[1]	DDBTXD Textured dark bronze
PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[11,12]	PNMT6D3 Part night, dim 6 hrs[15]	DDL Diffused drop lens[17]	DBLBXD Textured black
PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[11,12]	PNMT7D3 Part night, dim 7 hrs[15]	**Order separately**	DNATXD Textured natural aluminum
	FAO Field adjustable output[16]	BS Bird spikes	DWHGXD Textured white
		EGS External glare shield	

Ordering Information

Accessories

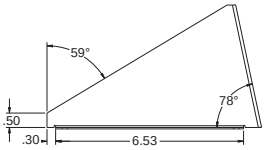
Ordered and shipped separately.

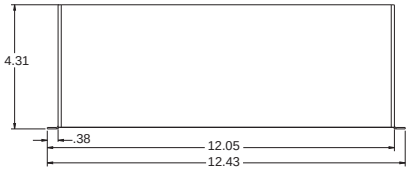
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [18]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [18]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [18]
DSHORT SBK U	Shorting cap [18]
DSX0HS 20C U	House-side shield for 20 LED unit [17]
DSX0HS 30C U	House-side shield for 30 LED unit [17]
DSX0HS 40C U	House-side shield for 40 LED unit [17]
DSX0DDL U	Diffused drop lens (polycarbonate) [17]
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)[19]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [7]

For more control options, visit DTL and ROAM online.

NOTES
1 P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
2 AMBPC is not available with BLC, LCCO, RCCO, P4, P7 or P13.
3 Not available with HS or DDL.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6 Not available in P4, P7 or P13. Not available with BL30, BL50 or PNMT options.
7 Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
8 Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
9 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
10 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
11 Reference Motion Sensor table on page 3.
12 Reference PER Table on page 3 to see functionality.
13 Requires (2) separately switched circuits.
14 Not available with 347V, 480V or PNMT. For PER5 or PER7 see PER Table on page 3.
15 Not available with 347V, 480V, BL30 and BL50. For PER5 or PER7 see PER Table on page 3. Separate Dusk to Dawn required.
16 Not available with other dimming controls options.
17 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
18 Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
19 For retrofit use only.

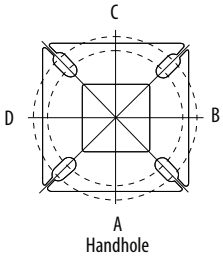
External Glare Shield



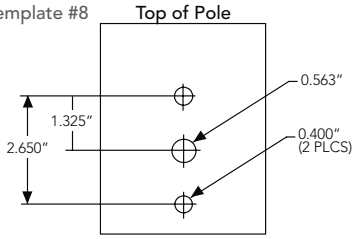


Drilling

HANDHOLE ORIENTATION



Template #8



Tenon Mounting Slipfitter **

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Pole drilling nomenclature: # of heads at degree from handhole (default side A)					
DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 280°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D
Note: Review luminaire spec sheet for specific nomenclature					

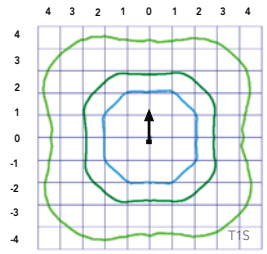
Pole top or tenon O.D.	4.5" @ 90°	4" @ 90°	3.5" @ 90°	3" @ 90°	4.5" @ 120°	4" @ 120°	3.5" @ 120°	3" @ 120°
DSX SPA	Y	Y	Y	N	-	-	-	-
DSX RPA	Y	Y	N	N	Y	Y	Y	Y
DSX SPUMBA	Y	N	N	N	-	-	-	-
DSX RPUMBA	N	N	N	N	Y	Y	Y	N
					*3 fixtures @120 require round pole top/tenon.			

Photometric Diagrams

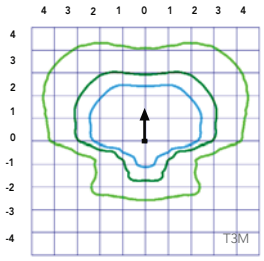
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 0 homepage.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').

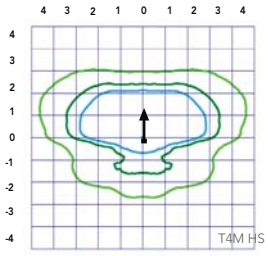
LEGEND
- 0.1 fc
- 0.5 fc
- 1.0 fc



Test No. LTL23422P25 tested in accordance with IESNA LM-79-08.



Test No. LTL23457P25 tested in accordance with IESNA LM-79-08.



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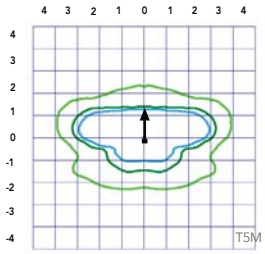


Test No. LTL23451P25 tested in accordance with IESNA LM-79-08.

Lumen Ambient Temperature (LAT) Multipliers

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

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

Projected LED Lumen Maintenance

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

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

Operating Hours	25000	50000	100000
Lumen Maintenance Factor	0.96	0.92	0.85

Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A) 1200	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	20	530	38	0.32	0.18	0.15	0.15	0.10	0.08
	P2	20	700	49	0.41	0.23	0.20	0.19	0.14	0.11
	P3	20	1050	71	0.60	0.37	0.32	0.27	0.21	0.15
	P4	20	1400	92	0.77	0.45	0.39	0.35	0.28	0.20
	P5	40	700	89	0.74	0.43	0.38	0.34	0.26	0.20
	P6	40	1050	134	1.13	0.65	0.55	0.48	0.39	0.29
	P7	40	1300	166	1.38	0.80	0.69	0.60	0.50	0.37
Rotated Optics (Requires L90 or R90)	P10	30	530	53	0.45	0.26	0.23	0.21	0.16	0.12
	P11	30	700	72	0.60	0.35	0.30	0.27	0.20	0.16
	P12	30	1050	104	0.88	0.50	0.44	0.39	0.31	0.23
	P13	30	1300	128	1.08	0.62	0.54	0.48	0.37	0.27

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use with Inline Dusk to Dawn or timer.						

PER Table						
Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✔	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✔	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	⊘	⚠	Wires Capped inside fixture	⚠	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	⊘	⚠	Wired to dimming leads on driver	✔	Wired to dimming leads on driver	Wires Capped inside fixture
Future-proof* with Motion	⊘	⚠	Wires Capped inside fixture	✔	Wires Capped inside fixture	Wires Capped inside fixture

✔ Recommended
⊘ Will not work
⚠ Alternate

*Future-proof means: Ability to change controls in the future.

Performance Data

Lumen Output

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

Forward Optics

Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	38	T1S	4,369	1	0	1	115	4,706	1	0	1	124	4,766	1	0	1	125	2,541	1	0	1	73
		T2S	4,364	1	0	1	115	4,701	1	0	1	124	4,761	1	0	1	125	2,589	1	0	1	74
		T2M	4,387	1	0	1	115	4,726	1	0	1	124	4,785	1	0	1	126	2,539	1	0	1	73
		T3S	4,248	1	0	1	112	4,577	1	0	1	120	4,634	1	0	1	122	2,558	1	0	1	73
		T3M	4,376	1	0	1	115	4,714	1	0	1	124	4,774	1	0	1	126	2,583	1	0	1	74
		T4M	4,281	1	0	1	113	4,612	1	0	2	121	4,670	1	0	2	123	2,570	1	0	1	73
		TFTM	4,373	1	0	1	115	4,711	1	0	2	124	4,771	1	0	2	126	2,540	1	0	1	73
		T5VS	4,548	2	0	0	120	4,900	2	0	0	129	4,962	2	0	0	131	2,650	1	0	0	76
		T5S	4,552	2	0	0	120	4,904	2	0	0	129	4,966	2	0	0	131	2,690	1	0	0	77
		T5M	4,541	3	0	1	120	4,891	3	0	1	129	4,953	3	0	1	130	2,658	2	0	0	76
		T5W	4,576	3	0	2	120	4,929	3	0	2	130	4,992	3	0	2	131	2,663	2	0	1	73
		BLC	3,586	1	0	1	94	3,863	1	0	1	102	3,912	1	0	1	103					
		LCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77					
		RCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77					
P2	49	T1S	5,570	1	0	1	114	6,001	1	0	1	122	6,077	2	0	2	124	3,144	1	0	1	70
		T2S	5,564	1	0	2	114	5,994	1	0	2	122	6,070	2	0	2	124	3,203	1	0	1	71
		T2M	5,593	1	0	1	114	6,025	1	0	1	123	6,102	1	0	1	125	3,141	1	0	1	70
		T3S	5,417	1	0	2	111	5,835	1	0	2	119	5,909	2	0	2	121	3,165	1	0	1	70
		T3M	5,580	1	0	2	114	6,011	1	0	2	123	6,087	1	0	2	124	3,196	1	0	1	71
		T4M	5,458	1	0	2	111	5,880	1	0	2	120	5,955	1	0	2	122	3,179	1	0	1	71
		TFTM	5,576	1	0	2	114	6,007	1	0	2	123	6,083	1	0	2	124	3,143	1	0	1	70
		T5VS	5,799	2	0	0	118	6,247	2	0	0	127	6,327	2	0	0	129	3,278	2	0	0	73
		T5S	5,804	2	0	0	118	6,252	2	0	0	128	6,332	2	0	1	129	3,328	2	0	0	74
		T5M	5,789	3	0	1	118	6,237	3	0	1	127	6,316	3	0	1	129	3,288	2	0	1	73
		T5W	5,834	3	0	2	119	6,285	3	0	2	128	6,364	3	0	2	130	3,295	2	0	1	73
		BLC	4,572	1	0	1	93	4,925	1	0	1	101	4,987	1	0	1	102					
		LCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76					
		RCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76					
P3	71	T1S	7,833	2	0	2	110	8,438	2	0	2	119	8,545	2	0	2	120					
		T2S	7,825	2	0	2	110	8,429	2	0	2	119	8,536	2	0	2	120					
		T2M	7,865	2	0	2	111	8,473	2	0	2	119	8,580	2	0	2	121					
		T3S	7,617	2	0	2	107	8,205	2	0	2	116	8,309	2	0	2	117					
		T3M	7,846	2	0	2	111	8,452	2	0	2	119	8,559	2	0	2	121					
		T4M	7,675	2	0	2	108	8,269	2	0	2	116	8,373	2	0	2	118					
		TFTM	7,841	2	0	2	110	8,447	2	0	2	119	8,554	2	0	2	120					
		T5VS	8,155	3	0	0	115	8,785	3	0	0	124	8,896	3	0	0	125					
		T5S	8,162	3	0	1	115	8,792	3	0	1	124	8,904	3	0	1	125					
		T5M	8,141	3	0	2	115	8,770	3	0	2	124	8,881	3	0	2	125					
		T5W	8,204	3	0	2	116	8,838	4	0	2	124	8,950	4	0	2	126					
		BLC	6,429	1	0	2	91	6,926	1	0	2	98	7,013	1	0	2	99					
		LCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73					
		RCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73					
P4	92	T1S	9,791	2	0	2	106	10,547	2	0	2	115	10,681	2	0	2	116					
		T2S	9,780	2	0	2	106	10,536	2	0	2	115	10,669	2	0	2	116					
		T2M	9,831	2	0	2	107	10,590	2	0	2	115	10,724	2	0	2	117					
		T3S	9,521	2	0	2	103	10,256	2	0	2	111	10,386	2	0	2	113					
		T3M	9,807	2	0	2	107	10,565	2	0	2	115	10,698	2	0	2	116					
		T4M	9,594	2	0	2	104	10,335	2	0	3	112	10,466	2	0	3	114					
		TFTM	9,801	2	0	2	107	10,558	2	0	2	115	10,692	2	0	2	116					
		T5VS	10,193	3	0	1	111	10,981	3	0	1	119	11,120	3	0	1	121					
		T5S	10,201	3	0	1	111	10,990	3	0	1	119	11,129	3	0	1	121					
		T5M	10,176	4	0	2	111	10,962	4	0	2	119	11,101	4	0	2	121					
		T5W	10,254	4	0	3	111	11,047	4	0	3	120	11,186	4	0	3	122					
		BLC	8,036	1	0	2	87	8,656	1	0	2	94	8,766	1	0	2	95					
		LCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71					
		RCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71					

Performance Data

Lumen Output

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

Forward Optics

Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	89	T1S	10,831	2	0	2	122	11,668	2	0	2	131	11,816	2	0	2	133					
		T2S	10,820	2	0	2	122	11,656	2	0	2	131	11,803	2	0	2	133					
		T2M	10,876	2	0	2	122	11,716	2	0	2	132	11,864	2	0	2	133					
		T3S	10,532	2	0	2	118	11,346	2	0	2	127	11,490	2	0	2	129					
		T3M	10,849	2	0	2	122	11,687	2	0	2	131	11,835	2	0	2	133					
		T4M	10,613	2	0	3	119	11,434	2	0	3	128	11,578	2	0	3	130					
		TFTM	10,842	2	0	2	122	11,680	2	0	2	131	11,828	2	0	2	133					
		T5VS	11,276	3	0	1	127	12,148	3	0	1	136	12,302	3	0	1	138					
		T5S	11,286	3	0	1	127	12,158	3	0	1	137	12,312	3	0	1	138					
		T5M	11,257	4	0	2	126	12,127	4	0	2	136	12,280	4	0	2	138					
		T5W	11,344	4	0	3	127	12,221	4	0	3	137	12,375	4	0	3	139					
		BLC	8,890	1	0	2	100	9,576	1	0	2	108	9,698	1	0	2	109					
		LCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81					
		RCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81					
P6	134	T1S	14,805	3	0	3	110	15,949	3	0	3	119	16,151	3	0	3	121	6,206	2	0	2	68
		T2S	14,789	3	0	3	110	15,932	3	0	3	119	16,134	3	0	3	120	6,322	2	0	2	69
		T2M	14,865	3	0	3	111	16,014	3	0	3	120	16,217	3	0	3	121	6,201	2	0	2	68
		T3S	14,396	3	0	3	107	15,509	3	0	3	116	15,705	3	0	3	117	6,247	1	0	2	69
		T3M	14,829	2	0	3	111	15,975	3	0	3	119	16,177	3	0	3	121	6,308	2	0	2	69
		T4M	14,507	2	0	3	108	15,628	3	0	3	117	15,826	3	0	3	118	6,275	1	0	2	69
		TFTM	14,820	2	0	3	111	15,965	3	0	3	119	16,167	3	0	3	121	6,203	1	0	2	68
		T5VS	15,413	4	0	1	115	16,604	4	0	1	124	16,815	4	0	1	125	6,671	2	0	0	73
		T5S	15,426	3	0	1	115	16,618	4	0	1	124	16,828	4	0	1	126	6,569	2	0	0	72
		T5M	15,387	4	0	2	115	16,576	4	0	2	124	16,786	4	0	2	125	6,491	3	0	1	71
		T5W	15,506	4	0	3	116	16,704	4	0	3	125	16,915	4	0	3	126	6,504	3	0	2	71
		BLC	12,151	1	0	2	91	13,090	1	0	2	98	13,255	1	0	2	99					
		LCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74					
		RCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74					
P7	166	T1S	17,023	3	0	3	103	18,338	3	0	3	110	18,570	3	0	3	112					
		T2S	17,005	3	0	3	102	18,319	3	0	3	110	18,551	3	0	3	112					
		T2M	17,092	3	0	3	103	18,413	3	0	3	111	18,646	3	0	3	112					
		T3S	16,553	3	0	3	100	17,832	3	0	3	107	18,058	3	0	3	109					
		T3M	17,051	3	0	3	103	18,369	3	0	3	111	18,601	3	0	3	112					
		T4M	16,681	3	0	3	100	17,969	3	0	3	108	18,197	3	0	3	110					
		TFTM	17,040	3	0	3	103	18,357	3	0	4	111	18,590	3	0	4	112					
		T5VS	17,723	4	0	1	107	19,092	4	0	1	115	19,334	4	0	1	116					
		T5S	17,737	4	0	2	107	19,108	4	0	2	115	19,349	4	0	2	117					
		T5M	17,692	4	0	2	107	19,059	4	0	2	115	19,301	4	0	2	116					
		T5W	17,829	5	0	3	107	19,207	5	0	3	116	19,450	5	0	3	117					
		BLC	13,971	2	0	2	84	15,051	2	0	2	91	15,241	2	0	2	92					
		LCCO	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68					
		RCCO	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68					

Performance Data

Lumen Output

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

Rotated Optics

Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	53	T1S	6,727	2	0	2	127	7,247	3	0	3	137	7,339	3	0	3	138					
		T2S	6,689	3	0	3	126	7,205	3	0	3	136	7,297	3	0	3	138					
		T2M	6,809	3	0	3	128	7,336	3	0	3	138	7,428	3	0	3	140					
		T3S	6,585	3	0	3	124	7,094	3	0	3	134	7,183	3	0	3	136					
		T3M	6,805	3	0	3	128	7,331	3	0	3	138	7,424	3	0	3	140					
		T4M	6,677	3	0	3	126	7,193	3	0	3	136	7,284	3	0	3	137					
		TFTM	6,850	3	0	3	129	7,379	3	0	3	139	7,472	3	0	3	141					
		T5VS	6,898	3	0	0	130	7,431	3	0	0	140	7,525	3	0	0	142					
		T5S	6,840	2	0	1	129	7,368	2	0	1	139	7,461	2	0	1	141					
		T5M	6,838	3	0	1	129	7,366	3	0	2	139	7,460	3	0	2	141					
		T5W	6,777	3	0	2	128	7,300	3	0	2	138	7,393	3	0	2	139					
		BLC	5,626	2	0	2	106	6,060	2	0	2	114	6,137	2	0	2	116					
		LCCO	4,018	1	0	2	76	4,328	1	0	2	82	4,383	1	0	2	83					
		RCCO	4,013	3	0	3	76	4,323	3	0	3	82	4,377	3	0	3	83					
P11	72	T1S	8,594	3	0	3	119	9,258	3	0	3	129	9,376	3	0	3	130					
		T2S	8,545	3	0	3	119	9,205	3	0	3	128	9,322	3	0	3	129					
		T2M	8,699	3	0	3	121	9,371	3	0	3	130	9,490	3	0	3	132					
		T3S	8,412	3	0	3	117	9,062	3	0	3	126	9,177	3	0	3	127					
		T3M	8,694	3	0	3	121	9,366	3	0	3	130	9,484	3	0	3	132					
		T4M	8,530	3	0	3	118	9,189	3	0	3	128	9,305	3	0	3	129					
		TFTM	8,750	3	0	3	122	9,427	3	0	3	131	9,546	3	0	3	133					
		T5VS	8,812	3	0	0	122	9,493	3	0	0	132	9,613	3	0	0	134					
		T5S	8,738	3	0	1	121	9,413	3	0	1	131	9,532	3	0	1	132					
		T5M	8,736	3	0	2	121	9,411	3	0	2	131	9,530	3	0	2	132					
		T5W	8,657	4	0	2	120	9,326	4	0	2	130	9,444	4	0	2	131					
		BLC	7,187	3	0	3	100	7,742	3	0	3	108	7,840	3	0	3	109					
		LCCO	5,133	1	0	2	71	5,529	1	0	2	77	5,599	1	0	2	78					
		RCCO	5,126	3	0	3	71	5,522	3	0	3	77	5,592	3	0	3	78					
P12	104	T1S	12,149	3	0	3	117	13,088	3	0	3	126	13,253	3	0	3	127					
		T2S	12,079	4	0	4	116	13,012	4	0	4	125	13,177	4	0	4	127					
		T2M	12,297	3	0	3	118	13,247	3	0	3	127	13,415	3	0	3	129					
		T3S	11,891	4	0	4	114	12,810	4	0	4	123	12,972	4	0	4	125					
		T3M	12,290	3	0	3	118	13,239	4	0	4	127	13,407	4	0	4	129					
		T4M	12,058	4	0	4	116	12,990	4	0	4	125	13,154	4	0	4	126					
		TFTM	12,369	4	0	4	119	13,325	4	0	4	128	13,494	4	0	4	130					
		T5VS	12,456	3	0	1	120	13,419	3	0	1	129	13,589	4	0	1	131					
		T5S	12,351	3	0	1	119	13,306	3	0	1	128	13,474	3	0	1	130					
		T5M	12,349	4	0	2	119	13,303	4	0	2	128	13,471	4	0	2	130					
		T5W	12,238	4	0	3	118	13,183	4	0	3	127	13,350	4	0	3	128					
		BLC	10,159	3	0	3	98	10,944	3	0	3	105	11,083	3	0	3	107					
		LCCO	7,256	1	0	3	70	7,816	1	0	3	75	7,915	1	0	3	76					
		RCCO	7,246	3	0	3	70	7,806	4	0	4	75	7,905	4	0	4	76					
P13	128	T1S	14,438	3	0	3	113	15,554	3	0	3	122	15,751	3	0	3	123					
		T2S	14,355	4	0	4	112	15,465	4	0	4	121	15,660	4	0	4	122					
		T2M	14,614	3	0	3	114	15,744	4	0	4	123	15,943	4	0	4	125					
		T3S	14,132	4	0	4	110	15,224	4	0	4	119	15,417	4	0	4	120					
		T3M	14,606	4	0	4	114	15,735	4	0	4	123	15,934	4	0	4	124					
		T4M	14,330	4	0	4	112	15,438	4	0	4	121	15,633	4	0	4	122					
		TFTM	14,701	4	0	4	115	15,836	4	0	4	124	16,037	4	0	4	125					
		T5VS	14,804	4	0	1	116	15,948	4	0	1	125	16,150	4	0	1	126					
		T5S	14,679	3	0	1	115	15,814	3	0	1	124	16,014	3	0	1	125					
		T5M	14,676	4	0	2	115	15,810	4	0	2	124	16,010	4	0	2	125					
		T5W	14,544	4	0	3	114	15,668	4	0	3	122	15,866	4	0	3	124					
		BLC	7919	3	0	3	62	8531	3	0	3	67	8639	3	0	3	67					
		LCCO	5145	1	0	2	40	5543	1	0	2	43	5613	1	0	2	44					
		RCCO	5139	3	0	3	40	5536	3	0	3	43	5606	3	0	3	44					

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — Round Tapered Aluminum Hinged is a special purpose light pole for up to 20-foot mounting heights. This pole is an excellent choice for locations where maintenance access is limited.

CONSTRUCTION — **Pole Shaft**: The pole shaft is made of spun-tapered seamless 6063 alloy aluminum tubing, heat-treated to produce a T6 temper.

Pole Top: Options include tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable aluminum top cap secured with three stainless-steel screws.

Handhole: An optional reinforced handhole with grounding provision is available. Every handhole includes a cover and cover attachment hardware.

Base Cover: A cast aluminum two-piece cover is included.

Anchor Base/ Bolts: Anchor base is cast from A356 aluminum alloy and heat treated to T6 temper. Threaded grounding provision located in base plate. The 3/8-16 x .75 stainless steel grounding bolts are provided by installer. Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" blend on one end. All anchor bolts are hot-dipped galvanized a minimum of 12" nominal on the threaded end. Anchor bolts are made of steel rod having a minimum yield strength of 55,000 psi.

Hardware – All structural and non-structural fasteners are stainless-steel.

Finish – Standard finishes include Dark Bronze, White, Black, Medium Bronze, Natural Aluminum, or unpainted brushed aluminum finish. Classic colors include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue. Architectural Colors and Special Finishes are available by quote and include but are not limited to Duranodic Anodize, Paint over Duranodic Anodize, RAL Colors, Custom Colors and Extended Warranty Finishes.

WARRANTY — 1-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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

Anchor Base Poles

RTAH

ROUND TAPERED ALUMINUM HINGED

ORDERING INFORMATION

Recommended to be ordered with pole to ensure proper fit.
Lead times will vary depending on options selected. Consult with your sales representative.

Example: RTAH 16 4C DM19 BA

RTAH						
Series	**Nominal fixture mounting height**	**Nominal shaft base size/wall thickness[1]**	**Mounting [2]**		**Options**	**Finish [7]**
RTAH	(See Technical information table.)	(See Technical information table.)	Tenon mounting PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting [3] DM19 1 at 90° DM28 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM32 3 at120° DM39 3 at 90° DM49 4 at 90°	CSX/DSX/AERIS™/OMERO™ Drill mounting [3] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM32AS 3 at 120° DM39AS 3 at 90° DM49AS 4 at 90° AERIS™ Suspend drill mounting [3,4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting [3,4] DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed L/AB Less anchor bolts VD Vibration damper TP Tamper resistant handhole cover fasteners HAxy Horizontal arm bracket (1 fixture) [5,6] FDLxy Festoon outlet less electrical [5] CPL12/xy 1/2" coupling [5] CPL34/xy 3/4" coupling [5] CPL1/xy 1" coupling [5] NPL12/xy 1/2" threaded nipple [5] NPL34/xy 3/4" threaded nipple [5] NPL1/xy 1" threaded nipple [5] EHHxy Extra handhole [5,7] MAEX Match existing [8] USPOM United States point of manufacture [9] UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled)	Standard colors DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum BA Brushed aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Class 1 architectural Duranodic Anodize ABL Black ADB Dark bronze ANA Natural Architectural colors and Special Finishes[10] Duranodic Anodize, Paint over Duranodic Anodize, RAL Colors, Custom Colors and Extended Warranty Finishes available.

Notes:

1. Wall thickness will be signified with a "C", "E" or a "G" in nomenclature. "C" - 0.125 | "E" - 0.156 | "G" - 0.188.
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
3. The drilling template pattern to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
5. Specify location and orientation when ordering option. For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-". Example: 5ft = 5 and 20ft 3in = 20-3 For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below. Example: 1/2" coupling at 5' 8 ", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard with radius curve providing 12' rise.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013																	
Series	Mounting Height (ft)	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approx. ship weight (lbs.)
RTAH	8	4C	10.1	50	8	50	6.5	50	5.3	50	4.4	50	3.7	50	3.1	50	17
RTAH	10	4C	8.1	50	6.3	50	5	50	4	50	3.3	50	2.7	50	2.3	50	20
RTAH	10	5C	13.4	50	10.6	50	8.6	50	7.1	50	5.9	50	5	50	4.3	50	24
RTAH	12	4C	6.5	50	5	50	3.9	50	3	50	2.4	50	1.9	50	1.6	50	23
RTAH	12	5C	11.1	50	8.7	50	7	50	5.7	50	4.7	50	3.9	50	3.3	50	26
RTAH	12	5E	14	50	11	50	8.9	50	7.3	50	6.1	50	5.1	50	4.4	50	31
RTAH	12	5G	16.9	50	13.4	50	10.9	50	8.9	50	7.5	50	6.3	50	5.4	50	36
RTAH	14	4C	5.2	50	3.8	50	2.9	50	2.1	50	1.6	50	1.2	50	0.9	50	27
RTAH	14	5C	9.2	50	7.1	50	5.6	50	4.4	50	3.6	50	3	50	2.5	50	31
RTAH	14	5E	11.9	50	9.3	50	7.4	50	6	50	4.9	50	4	50	3.4	50	37
RTAH	14	5G	14.3	50	11.3	50	9	50	7.3	50	6.1	50	5.1	50	4.3	50	43
RTAH	16	4C	4	50	2.8	50	2	50	1.3	50	0.9	50	0.6	50	-	50	30
RTAH	16	5C	7.4	50	5.6	50	4.3	50	3.4	50	2.7	50	2.1	50	1.7	50	35
RTAH	16	5E	9.7	50	7.4	50	5.8	50	4.6	50	3.7	50	3.1	50	2.5	50	42
RTAH	16	5G	11.9	75	9.3	75	7.3	75	5.9	75	4.8	75	3.9	75	3.3	75	50
RTAH	16	6E	14.8	75	11.6	75	9.3	75	7.7	75	6.4	75	5.4	75	4.7	75	53
RTAH	16	6G	18.1	75	14.3	75	11.6	75	9.6	75	8	75	6.8	75	5.9	75	62
RTAH	18	5C	6	50	4.4	50	3.3	50	2.4	50	1.8	50	1.4	50	1.1	50	40
RTAH	18	5E	7.9	75	5.9	75	4.5	75	3.5	75	2.7	75	2.2	75	1.8	75	48
RTAH	18	5G	9.8	75	7.5	75	5.8	75	4.6	75	3.7	75	3	75	2.5	75	56
RTAH	18	6E	12.4	75	9.6	75	7.6	75	6.2	75	5.1	75	4.3	75	3.7	75	59
RTAH	18	6G	15.4	75	12	75	9.6	75	7.8	75	6.6	75	5.5	75	4.7	75	70
RTAH	20	5C	4.8	75	3.4	75	2.4	75	1.7	75	1.1	75	0.7	75	-	75	42
RTAH	20	5E	6.5	75	4.8	75	3.6	75	2.6	75	2	75	1.4	75	1.1	75	51
RTAH	20	5G	8.3	75	6.2	75	4.7	75	3.6	75	2.8	75	2.2	75	1.7	75	60
RTAH	20	6E	10.4	75	7.9	75	6.1	75	4.9	75	4	75	3.3	75	2.8	75	63
RTAH	20	6G	13	75	10	75	7.9	75	6.4	75	5.3	75	4.5	75	3.8	75	74

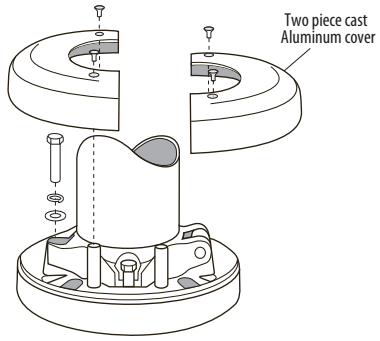
NOTE: EPA values reflect poles without a handhole opening.

AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table below).

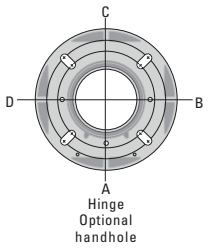
RTAH Round Tapered Aluminum Hinged Poles

TECHNICAL INFORMATION										
Catalog number	Nominal mount ht. (ft)	Pole shaft size (in x ft)	Wall thick (in)	EPA (ft²) with 1.3 gust			Max.	Bolt circle (in)	Bolt size (in. x in. x in.)	Approximate ship (lbs.)
				80 mph	90 mph	100 mph				
RTAH 8 4C	8	4	0.125	8.5	6.6	5.2	50	8.5 - 10	0.75 x 17.00 x 3.00	17
RTAH 10 4C	10	4	0.125	6.4	4.8	3.7	50	8.5 - 10	0.75 x 17.00 x 3.00	20
RTAH 10 5C	10	5	0.125	12.3	9.5	7.5	50	8.5 - 10	0.75 x 17.00 x 3.00	24
RTAH 12 4C	12	4	0.125	4.9	3.5	2.6	50	8.5 - 10	0.75 x 17.00 x 3.00	23
RTAH 12 5C	12	5	0.125	9.9	7.5	5.8	50	8.5 - 10	0.75 x 17.00 x 3.00	26
RTAH 12 5E	12	5	0.156	12.4	9.5	7.5	50	8.5 - 10	0.75 x 17.00 x 3.00	31
RTAH 12 5G	12	5	0.188	15	11.5	9.1	50	8.5 - 10	0.75 x 17.00 x 3.00	36
RTAH 14 4C	14	4	0.125	3.6	2.5	1.7	50	8.5 - 10	0.75 x 17.00 x 3.00	27
RTAH 14 5C	14	5	0.125	7.9	5.8	4.5	50	8.5 - 10	0.75 x 17.00 x 3.00	31
RTAH 14 5E	14	5	0.156	10.1	7.6	5.9	50	8.5 - 10	0.75 x 17.00 x 3.00	37
RTAH 14 5G	14	5	0.188	12.3	9.3	7.3	50	8.5 - 10	0.75 x 17.00 x 3.00	43
RTAH 16 4C	16	4	0.125	2.5	1.5	0.9	50	8.5 - 10	0.75 x 17.00 x 3.00	30
RTAH 16 5C	16	5	0.125	6	4.4	3.2	50	8.5 - 10	0.75 x 17.00 x 3.00	35
RTAH 16 5E	16	5	0.156	7.9	5.8	4.4	50	8.5 - 10	0.75 x 17.00 x 3.00	42
RTAH 16 5G	16	5	0.188	9.7	7.3	5.6	75	8.5 - 10	0.75 x 17.00 x 3.00	50
RTAH 16 6E	16	6	0.156	14	10.8	8.6	75	8.5 - 10	0.75 x 17.00 x 3.00	53
RTAH 16 6G	16	6	0.188	17.1	13.2	10.5	75	8.5 - 10	0.75 x 17.00 x 3.00	62
RTAH 18 5C	18	5	0.125	4.5	3.2	2.2	50	8.5 - 10	0.75 x 17.00 x 3.00	40
RTAH 18 5E	18	5	0.156	6.1	4.4	3.2	75	8.5 - 10	0.75 x 17.00 x 3.00	48
RTAH 18 5G	18	5	0.188	7.7	5.6	4.2	75	8.5 - 10	0.75 x 17.00 x 3.00	56
RTAH 18 6E	18	6	0.156	11.4	8.6	6.8	75	8.5 - 10	0.75 x 17.00 x 3.00	59
RTAH 18 6G	18	6	0.188	14	10.8	8.5	75	8.5 - 10	0.75 x 17.00 x 3.00	70
RTAH 20 5C	20	5	0.125	3.4	2.2	1.4	75	8.5 - 10	0.75 x 17.00 x 3.00	42
RTAH 20 5E	20	5	0.156	4.8	3.3	2.3	75	8.5 - 10	0.75 x 17.00 x 3.00	51
RTAH 20 5G	20	5	0.188	6.2	4.4	3.1	75	8.5 - 10	0.75 x 17.00 x 3.00	60
RTAH 20 6E	20	6	0.156	9.2	6.9	5.3	75	8.5 - 10	0.75 x 17.00 x 3.00	63
RTAH 20 6G	20	6	0.188	11.5	8.7	6.8	75	8.5 - 10	0.75 x 17.00 x 3.00	74

POLE DATA					
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Template description	Anchor bolt description
4"	8-1/2" – 10"	3-1/2"	12-5/8"	ABTEMPLATE PJ50060	AB18-0
5"	8-1/2" – 10"	3-1/2"	12-5/8"	ABTEMPLATE PJ50061	AB18-0
6"	8-1/2" – 10"	3-1/2"	12-5/8"	ABTEMPLATE PJ50062	AB18-0

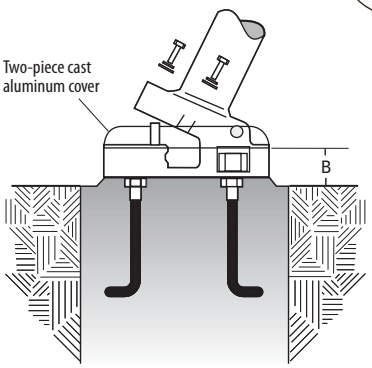


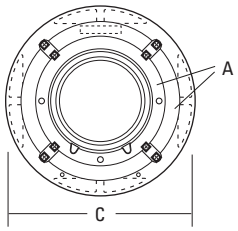
HINGE ORIENTATION

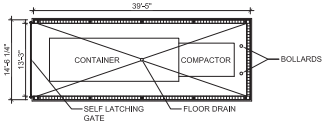


IMPORTANT INSTALLATION NOTES:

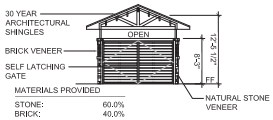
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be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







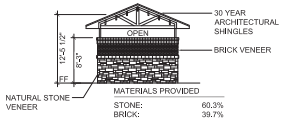
04 DUMPSTER ENCLOSURE FLOOR PLAN
3/32" = 1'-0"



MATERIALS PROVIDED

STONE:	60.0%
BRICK:	40.0%
STUCCO:	00.0%
FIBER CEMENT:	00.0%
TOTAL:	100%

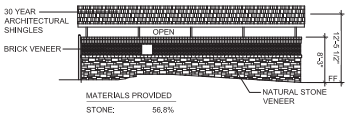
03 DUMPSTER ENCLOSURE GATE ELEVATION
3/32" = 1'-0"



MATERIALS PROVIDED

STONE:	60.3%
BRICK:	39.7%
STUCCO:	00.0%
FIBER CEMENT:	00.0%
TOTAL:	100%

02 DUMPSTER ENCLOSURE REAR ELEVATION
3/32" = 1'-0"



MATERIALS PROVIDED

STONE:	56.8%
BRICK:	43.2%
STUCCO:	00.0%
FIBER CEMENT:	00.0%
TOTAL:	100%

01 DUMPSTER ENCLOSURE SIDE ELEVATION
3/32" = 1'-0"

OWNER
PNEUMA VENTURES, LTD
714 SANCTUARY WAY
HEATH, TX 75032
Ph. (972) 345-1498
Contact: ROBERT LAMBERTH

DEVELOPER
SWBC BUILDERS
5949 SHERRY LANE #750
DALLAS, TX 75225
Ph. (214) 987-6317
Contact: SPENCER BYINGTON

CROSS ARCHITECTS
1255 W. 15TH. ST., SUITE 125
PLANO, TEXAS 75075
PH: 972.398.8644
FAX: 972.312.8666
brumsey@crossarchitects.com

SWBC AT ROCKWALL

2300 DISCOVERY BLVD,
ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	09/06/17	SP2017-027

01 CLUBHOUSE PERSPECTIVE
N.T.S.

OWNER
PNEUMA VENTURES, LTD
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SWBC AT ROCKWALL

2300 DISCOVERY BLVD,
ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	09/06/17	SP2017-027

01 PERSPECTIVE ELEVATION
SCALE: 1/8" = 1'-0"

01/13/

F

ARCHITECT:

DATE:

PROJEC

NO

DRAWIN

MATERIALS PROVIDED

STONE:	25.9%
BRICK:	20.6%
STUCCO:	41.1%
FIBER CEMENT:	12.4%
TOTAL:	100%

04 BUILDING A REAR ELEVATION
1/16" = 1'-0"

MATERIALS PROVIDED

STONE:	30.9%
BRICK:	19.1%
STUCCO:	20.1%
FIBER CEMENT:	29.9%
TOTAL:	100%

02 BUILDING A SIDE ELEVATION
1/16" = 1'-0" (CLUBHOUSE ELEVATION VISIBLE FROM DISCOVERY BLVD.)

MATERIALS PROVIDED

STONE:	25.4%
BRICK:	20.8%
STUCCO:	31.4%
FIBER CEMENT:	22.4%
TOTAL:	100%

02 BUILDING A SIDE ELEVATION
1/16" = 1'-0"

MATERIALS PROVIDED

STONE:	27.4
BRICK:	18.2%
STUCCO:	15.4%
FIBER CEMENT:	39.0%
TOTAL:	100%

01 BUILDING A FRONT ELEVATION
1/16" = 1'-0"

OWNER
PNEUMA VENTURES, LTD
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SWBC AT ROCKWALL

2300 DISCOVERY BLVD, ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	08/18/17	SP2017-027

MATERIALS PROVIDED	
STONE	28.8%
BRICK	52.2%
STUCCO	48.2%
FIBER CEMENT	10.8%
TOTAL	100%

04 BUILDING B REAR ELEVATION
1/16" = 1'-0"

MATERIALS PROVIDED	
STONE	20.2%
BRICK	25.6%
STUCCO	43.9%
FIBER CEMENT	10.3%
TOTAL	100%

03 BUILDING B SIDE ELEVATION
1/16" = 1'-0"

MATERIALS PROVIDED	
STONE	20.2%
BRICK	25.6%
STUCCO	43.9%
FIBER CEMENT	10.3%
TOTAL	100%

02 BUILDING B SIDE ELEVATION
1/16" = 1'-0"

MATERIALS PROVIDED	
STONE	52.2%
BRICK	7.4%
STUCCO	29.9%
FIBER CEMENT	10.5%
TOTAL	100%

01 BUILDING B FRONT ELEVATION
1/16" = 1'-0"

OWNER
PNEUMA VENTURES, LTD
714 SANCTUARY WAY
HEATH, TX 75032
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DEVELOPER
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SWBC AT ROCKWALL

2300 DISCOVERY BLVD,
ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	09/06/17	SP2017-027

MATERIALS PROVIDED

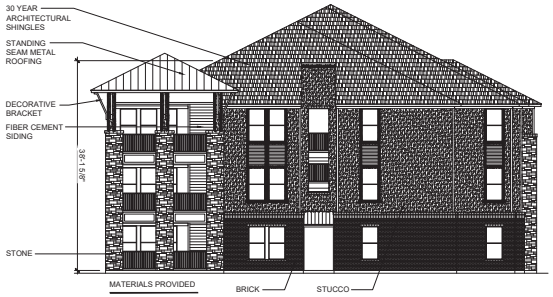
STONE:	20.6%
BRICK:	25.2%
STUCCO:	43.3%
FIBER CEMENT:	10.9%
TOTAL:	100%

04 BUILDING C REAR ELEVATION
3/32" = 1'-0"

MATERIALS PROVIDED

STONE:	37.1%
BRICK:	19.2%
STUCCO:	31.9%
FIBER CEMENT:	11.8%
TOTAL:	100%

03 BUILDING C FRONT ELEVATION
3/32" = 1'-0"



MATERIALS PROVIDED

STONE:	20.5%
BRICK:	27.7%
STUCCO:	45.6%
FIBER CEMENT:	06.2%
TOTAL:	100%

02 BUILDING C SIDE ELEVATION
3/32" = 1'-0"

MATERIALS PROVIDED

STONE:	20.5%
BRICK:	27.7%
STUCCO:	45.6%
FIBER CEMENT:	06.2%
TOTAL:	100%

01 BUILDING C SIDE ELEVATION
3/32" = 1'-0"

OWNER
PNEUMA VENTURES, LTD
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Ph. (972) 345-1498
Contact: ROBERT LAMBERTH

DEVELOPER
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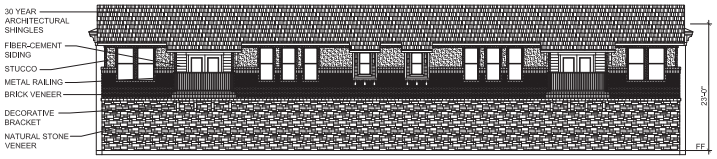
brumsey@crossarchitects.com

SWBC AT ROCKWALL

2300 DISCOVERY BLVD,
ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	09/06/17	SP2017-027

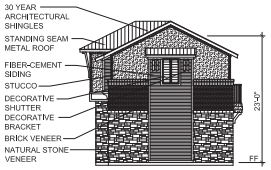


MATERIALS PROVIDED

STONE:	61.3%
BRICK:	24.9%
STUCCO:	11.6%
FIBER CEMENT:	2.2%
TOTAL:	100%

04 BUILDING D REAR ELEVATION

3/32" = 1'-0"

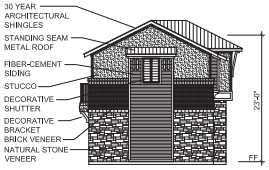


MATERIALS PROVIDED

STONE:	31.8%
BRICK:	16.0%
STUCCO:	25.0%
FIBER CEMENT:	27.2%
TOTAL:	100%

03 BUILDING D SIDE ELEVATION

3/32" = 1'-0"

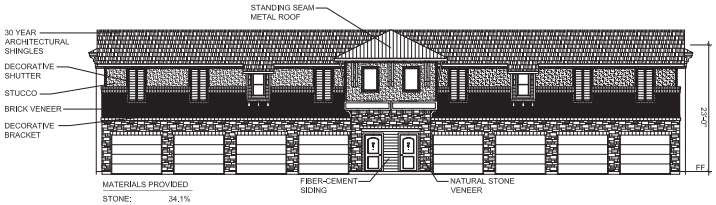


MATERIALS PROVIDED

STONE:	31.8%
BRICK:	16.0%
STUCCO:	25.0%
FIBER CEMENT:	27.2%
TOTAL:	100%

02 BUILDING D SIDE ELEVATION

3/32" = 1'-0"



MATERIALS PROVIDED

STONE:	34.1%
BRICK:	30.7%
STUCCO:	24.4%
FIBER CEMENT:	10.8%
TOTAL:	100%

01 BUILDING D FRONT ELEVATION

3/32" = 1'-0"

OWNER
PNEUMA VENTURES, LTD
714 SANCTUARY WAY
HEATH, TX 75032
Ph. (972) 345-1498
Contact: ROBERT LAMBERTH

DEVELOPER
SWBC BUILDERS
5949 SHERRY LANE #750
DALLAS, TX 75225
Ph. (214) 987-6317
Contact: SPENCER BYINGTON

CROSS ARCHITECTS
1255 W. 15TH. ST., SUITE 125
PLANO, TEXAS 75075
PH: 972.398.6644
FAX: 972.312.8666
brumsey@crossarchitects.com

SWBC AT ROCKWALL

2300 DISCOVERY BLVD,
ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	09/06/17	SP2017-027

MATERIALS PROVIDED

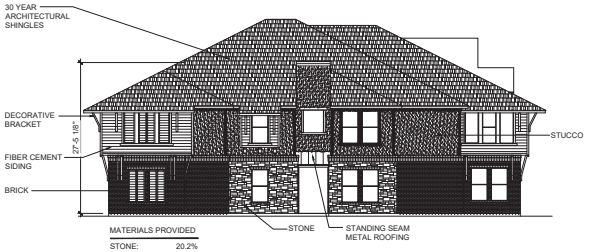
STONE:	20.7%
BRICK:	36.6%
STUCCO:	33.5%
FIBER CEMENT:	09.2%
TOTAL:	100%

04 BUILDING E REAR ELEVATION
3/32" = 1'-0"

MATERIALS PROVIDED

STONE:	22.9%
BRICK:	31.5%
STUCCO:	31.5%
FIBER CEMENT:	07.2%
TOTAL:	100%

03 BUILDING E SIDE ELEVATION
3/32" = 1'-0"



MATERIALS PROVIDED

STONE:	20.2%
BRICK:	38.7%
STUCCO:	30.8%
FIBER CEMENT:	10.3%
TOTAL:	100%

02 BUILDING E SIDE ELEVATION
3/32" = 1'-0"

MATERIALS PROVIDED

STONE:	22.1%
BRICK:	36.1%
STUCCO:	35.9%
FIBER CEMENT:	05.9%
TOTAL:	100%

01 BUILDING E FRONT ELEVATION
3/32" = 1'-0"

OWNER
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HEATH, TX 75032
Ph. (972) 345-1498
Contact: ROBERT LAMBERTH

DEVELOPER
SWBC BUILDERS
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SWBC AT ROCKWALL

2300 DISCOVERY BLVD,
ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	09/06/17	SP2017-027

MATERIALS PROVIDED

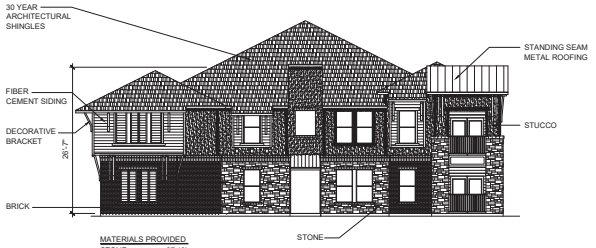
STONE:	20.0%
BRICK:	29.0%
STUCCO:	38.0%
FIBER CEMENT:	13.0%
TOTAL:	100%

04 BUILDING F REAR ELEVATION
3/32" = 1'-0"

MATERIALS PROVIDED

STONE:	20.8%
BRICK:	33.4%
STUCCO:	37.4%
FIBER CEMENT:	8.4%
TOTAL:	100%

03 BUILDING F SIDE ELEVATION
3/32" = 1'-0"



MATERIALS PROVIDED

STONE:	27.1%
BRICK:	28.9%
STUCCO:	33.5%
FIBER CEMENT:	10.5%
TOTAL:	100%

02 BUILDING F SIDE ELEVATION
3/32" = 1'-0"

MATERIALS PROVIDED

STONE:	22.5%
BRICK:	33.6%
STUCCO:	38.9%
FIBER CEMENT:	5.0%
TOTAL:	100%

01 BUILDING F FRONT ELEVATION
3/32" = 1'-0"

OWNER
PNEUMA VENTURES, LTD
714 SANCTUARY WAY
HEATH, TX 75032
Ph. (972) 345-1498
Contact: ROBERT LAMBERTH

DEVELOPER
SWBC BUILDERS
5949 SHERRY LANE #750
DALLAS, TX 75225
Ph. (214) 987-6317
Contact: SPENCER BYINGTON

Cross architects
CROSS ARCHITECTS
1255 W. 15TH. ST., SUITE 125
PLANO, TEXAS 75075
PH: 972.398.6644
FAX: 972.312.8666
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SWBC AT ROCKWALL

2300 DISCOVERY BLVD,
ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	09/06/17	SP2017-027

MATERIALS PROVIDED

STONE:	20.9%
BRICK:	26.5%
STUCCO:	37.4%
FIBER CEMENT:	15.2%
TOTAL:	100%

04 BUILDING G REAR ELEVATION
3/32" = 1'-0"

MATERIALS PROVIDED

STONE:	20.5%
BRICK:	25.2%
STUCCO:	43.1%
FIBER CEMENT:	10.1%

03 BUILDING G SIDE ELEVATION
3/32" = 1'-0"

MATERIALS PROVIDED

STONE:	20.5%
BRICK:	25.2%
STUCCO:	43.1%
FIBER CEMENT:	10.1%

02 BUILDING G SIDE ELEVATION
3/32" = 1'-0"

MATERIALS PROVIDED

STONE:	21.4%
BRICK:	18.4%
STUCCO:	47.1%
FIBER CEMENT:	13.1%
TOTAL:	100%

01 BUILDING G FRONT ELEVATION
3/32" = 1'-0"

OWNER
PNEUMA VENTURES, LTD
714 SANCTUARY WAY
HEATH, TX 75032
Ph. (972) 345-1498
Contact: ROBERT LAMBERTH

DEVELOPER
SWBC BUILDERS
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DALLAS, TX 75225
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SWBC AT ROCKWALL

2300 DISCOVERY BLVD,
ROCKWALL, TX 75032

ROCKWALL, TEXAS

CROSS PROJECT NO.	DATE	CASE NUMBER
16129	09/06/17	SP2017-027

TO BE SAVED

TO BE REMOVED

NORTH

60 0 60 120 180 Feet

SCALE: 1"=60'

OWNER/DEVELOPER
SWBC BUILDERS
8040 SHERRY LANE #760
DALLAS, TX 75225
Ph. (214) 987-4397
Contact: SPENCER SYMINGTON

PRELIMINARY PLANS
THIS DOCUMENT IS FOR INTERIM REVIEW AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
JAMESON SYNSON LANDSCAPE ARCHITECT
DATED 9/5/2017

JAMESON P. SYNSON
2826
STATE OF TEXAS
LICENSE # 2826

GARRETT LANDSCAPE ARCHITECTURE
CONSULTANTS, LLC
LAND PLANNING LANDSCAPE ARCHITECTURE
111 Historic Drive • Lewisville, TX 75057
P: 972.436.9712 • F: 972.436.9715
144 Old Town Blvd. North, Ste 2 • Argyle, TX 76226
P: 940.240.1012 • F: 940.240.1028
TBPLE Firm No. 1798 TBPLS Firm No. 10047700

SWBC ROCKWALL
Lot VALUE, Block VALUE
Value
Approx. 42.56 Acres
in the
J.M. ALLEN SURVEY, ABSTRACT NO. 2
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TREE SURVEY

Drawn By: LD
Date: 08/17/2017
Scale: 1"=60'
Revisions:

17193

T1.0

SWBC ROCKWALL

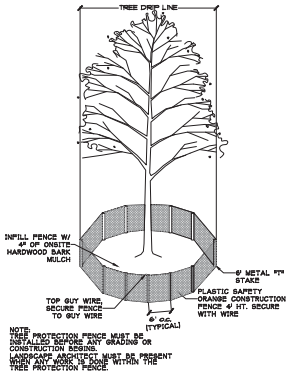
Rev. 3:\2017\17193\Grading\Site Plan\Sheet\17193. TS
Plotted: 9/5/2017 1:05 PM, by Mayan Valdez Saved: 9/5/2017 1:24 PM, by Mayan

LIST #	TAG #	CALIPER (")	COMMON NAME	BOTANICAL NAME	PROTCTED	REMOVED	REMARKS
3	533	11	EASTERN RED CEDAR	Juniperus virginiana	YES	YES *	
11	536	10.5	AMERICAN ELM	Ulmus americana	YES	NO	
10	537	9.5	AMERICAN ELM	Ulmus americana	YES	NO	
1	538	13.5	AMERICAN ELM	Ulmus americana	YES	NO	
2	548	11	EASTERN RED CEDAR	Juniperus virginiana	YES	NO	
13	549	16	AMERICAN ELM	Ulmus americana	YES	NO	
4	550	9	GREEN ASH	Fraxinus pennsylvanica	YES	NO	
9	551	11	CEDAR ELM	Ulmus crassifolia	YES	NO	MULTI-TRUNK
8	552	6	PECAN	Carya illinoinensis	YES	NO	
5	553	6	GREEN ASH	Fraxinus pennsylvanica	YES	NO	
6	554	5	GREEN ASH	Fraxinus pennsylvanica	YES	NO	

* Eastern Red Cedars 11 inches and above shall be replaced at a 50% rate of the total caliper inches. 5.5 inches of mitigation are met through the Landscape Plan.

TOTAL CALIPER INCHES = 108.5"
INCHES SAVED = 97.5"
INCHES REMOVED = 11"
MITIGATION INCHES = 5.5"

5.5" OF MITIGATION ARE MET THROUGH THE LANDSCAPE PLAN



1. TREE PROTECTION FENCING
1/4"=1'

PRELIMINARY PLANS
THIS DOCUMENT IS FOR INTERIM REVIEW AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. JAMESON SYNSON LANDSCAPE ARCHITECT
DATED 9/5/2017

JAMESON P. SYNSON
2826
STATE OF TEXAS
2826

OWNER/DEVELOPER
SWBC BUILDERS
8040 SHERRY LANE #760
DALLAS, TX 75225
Ph. (214) 987-4397
Contact: SPENCER SYINGTON

GARRETT ARCHITECTS CIVIL ENGINEERING PLANNING
CONSULTANTS, LLC
LAND SURVEYING LANDSCAPE ARCHITECTURE
111 Historic Drive • Lewisville, TX 75057
P: 972.436.9712 • F: 972.436.9715
144 Old Town Blvd. North, Ste 2 • Argyle, TX 76226
P: 940.240.1012 • F: 940.240.1028
TBPLS Firm No. 10047700
TBPE Firm No. 1798

SWBC ROCKWALL

SWBC ROCKWALL
Lot VALUE, Block VALUE
Value
Approx. 42.56 Acres
in the
JM. ALLEN SURVEY, ABSTRACT NO. 2
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TREE SURVEY

Drawn By: LD
Date: 08/17/2017
Scale: ######
Revisions:

17193

T1.1

Rev. 3:20PM:J:\2017\Projects\Rev Prod\Sheets\17193. TI
Plotted: 9/5/2017 1:05 PM, by Mayan Initials: Saved: 9/5/2017 1:24 PM, by Mayan

PRELIMINARY PLANS
THIS DOCUMENT IS FOR INTERIM REVIEW AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES. JAMESON DYNSON LANDSCAPE ARCHITECT DATED 9/5/2017

JAMESON P. DYNSON
2826
STATE OF TEXAS
Lic. # 2826

OWNER/DEVELOPER
SWBC BUILDERS
8040 SHERRY LANE #760
DALLAS, TX 75225
Ph. (214) 987-4397
Contact: SPENCER SYINGTON

GA
GARRETT ARCHITECTS
CONSULTANTS, LLC
111 Hillside Drive • Lewisville, TX 75057
P 972.436.9712 • F 972.436.9715
144 Old Town Blvd. North, Ste 2 • Argyle, TX 76226
P 940.240.1012 • F 940.240.1028
TBPLS Firm No. 10047700
TBPE Firm No. 1798

SWBC ROCKWALL
Lot VALUE, Block VALUE
Value
Approx. 42.56 Acres
in the
JM. ALLEN SURVEY, ABSTRACT NO. 2
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TREE CANOPY COVERAGE
1996

Drawn By: LD
Date: 08/17/2017
Scale: ######
Revisions:

17193

T1.2

SWBC ROCKWALL

Rev. 3:\2017\17193\Grading\Site Prep\Sheet\17193_T1
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PRELIMINARY PLANS
THIS DOCUMENT IS FOR INTERIM REVIEW AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
JAMESON DYSON LANDSCAPE ARCHITECT
DATED 9/5/2017

JAMESON W. DYSON
2826
STATE OF TEXAS
2826

OWNER/DEVELOPER
SWBC BUILDERS
8040 SHERRY LANE #760
DALLAS, TX 75225
Ph. (214) 987-4397
Contact: SPENCER SYINGTON

GAS CONSULTANTS, LLC
LANDSCAPE ARCHITECTURE
111 Hillside Drive • Lewisville, TX 75057
P 972.436.9712 • F 972.436.9715
144 Old Town Blvd. North, Ste 2 • Argyle, TX 76226
P 940.240.1012 • F 940.240.1028
TBPLE Firm No. 1798 TBPLS Firm No. 10047700

SWBC ROCKWALL
Lot VALUE, Block VALUE
Value
Approx. 42.56 Acres
in the
JM. ALLEN SURVEY, ABSTRACT NO. 2
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TREE CANOPY COVERAGE
2001

Drawn By: LD
Date: 08/17/2017
Scale: ######
Revisions:

17193

T1.3

SWBC ROCKWALL

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OWNER/DEVELOPER:
SWBC BUILDERS
8840 BRIGHTY LANE #160
WAUKEE, IA 50263
Ph. (540) 667-4287
Contact: SPENCER SYMINGTON

PRELIMINARY PLANS
THIS DOCUMENT IS FOR INTERIM REVIEW AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.
JAMES ROBERT WATSON
DATED 9/6/2017

STATE OF TEXAS
JAMES ROBERT WATSON
REGISTERED PROFESSIONAL ENGINEER
No. 28486

Drawn By: LD
Date: 08/17/2017
Scale: 1"=100'
Revisions:

17193

TL4

TREE CANOPY COVERAGE
2005

SWBC ROCKWALL
Lot VALUE, Block VALUE
Value
Approx. 42.56 Acres
in the
J.M. ALLEN SURVEY, ABSTRACT NO. 2
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

GSA
CONSULTANTS, LLC
111 Hillside Drive • Lewisville, TX 75057
P: 972.436.9712 • F: 972.436.9715
144 Old Town Blvd. North, Ste 2 • Argyle, TX 76226
P: 940.240.1012 • F: 940.240.1028
TBPE Firm No. 1798 TBPLS Firm No. 10047700

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PRELIMINARY PLANS
THIS DOCUMENT IS FOR REVIEW PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.
JAMES R. WYNSON
DATED 9/6/2017

OWNER/DEVELOPER:
SWBC BUILDERS
8840 STEWART LANE #160
ROCKWALL, TX 75087
Ph. (940) 867-4287
Contact: SPENCER BYNGTON

T1.5

17193

Drawn By: LD
Date: 08/17/2017
Scale: 1"=100'
Revisions:

STATE OF TEXAS
JAMES R. WYNSON
REGISTERED PROFESSIONAL ENGINEER
No. 28696

TREE CANOPY COVERAGE
2010

SWBC ROCKWALL
Lot VALUE, Block VALUE
Value
Approx. 42.56 Acres
in the
J.M. ALLEN SURVEY, ABSTRACT NO. 2
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

GSA
CONSULTANTS, LLC
111 Hillside Drive • Lewisville, TX 75057
P: 972.436.9712 • F: 972.436.9715
144 Old Town Blvd. North, Ste 2 • Argyle, TX 76226
P: 940.240.1012 • F: 940.240.1028
TBPE Firm No. 1798 TBPLS Firm No. 10047700