



PLANNING AND ZONING CASE CHECKLIST

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

P&Z CASE # SP 2018-028 P&Z DATE 10/9/2018 CC DATE 10/15/2018 APPROVED/DENIED
ARCHITECTURAL REVIEW BOARD DATE _____ HPAB DATE _____ PARK BOARD DATE _____

ZONING APPLICATION
<input type="checkbox"/> SPECIFIC USE PERMIT
<input type="checkbox"/> ZONING CHANGE
<input type="checkbox"/> PD CONCEPT PLAN
<input type="checkbox"/> PD DEVELOPMENT PLAN

SITE PLAN APPLICATION
<input checked="" type="checkbox"/> SITE PLAN
<input type="checkbox"/> LANDSCAPE PLAN
<input type="checkbox"/> TREESCAPE PLAN
<input type="checkbox"/> PHOTOMETRIC PLAN
<input type="checkbox"/> BUILDING ELEVATIONS
<input type="checkbox"/> MATERIAL SAMPLES
<input type="checkbox"/> COLOR RENDERING

PLATTING APPLICATION
<input type="checkbox"/> MASTER PLAT
<input type="checkbox"/> PRELIMINARY PLAT
<input type="checkbox"/> FINAL PLAT
<input type="checkbox"/> REPLAT
<input type="checkbox"/> ADMINISTRATIVE/MINOR PLAT
<input type="checkbox"/> VACATION PLAT
<input type="checkbox"/> LANDSCAPE PLAN
<input type="checkbox"/> TREESCAPE PLAN

<input type="checkbox"/> COPY OF ORDINANCE (ORD.# _____)
<input checked="" type="checkbox"/> APPLICATIONS
<input checked="" type="checkbox"/> RECEIPT
<input checked="" type="checkbox"/> LOCATION MAP
<input type="checkbox"/> HOA MAP
<input type="checkbox"/> PON MAP
<input type="checkbox"/> FLU MAP
<input type="checkbox"/> NEWSPAPER PUBLIC NOTICE
<input type="checkbox"/> 500-FT. BUFFER PUBLIC NOTICE
<input type="checkbox"/> PROJECT REVIEW
<input type="checkbox"/> STAFF REPORT
<input type="checkbox"/> CORRESPONDENCE
<input type="checkbox"/> COPY-ALL PLANS REQUIRED
<input type="checkbox"/> COPY-MARK-UPS
<input type="checkbox"/> CITY COUNCIL MINUTES-LASERFICHE
<input type="checkbox"/> MINUTES-LASERFICHE
<input type="checkbox"/> PLAT FILED DATE _____
<input type="checkbox"/> CABINET # _____
<input type="checkbox"/> SLIDE # _____
NOTES: _____

ZONING MAP UPDATED _____



DEVELOPMENT APPLICATION

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

STAFF USE ONLY
PLANNING & ZONING CASE NO.

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

DIRECTOR OF PLANNING: *[Signature]*

CITY ENGINEER: *[Signature]*

Please check the appropriate box below to indicate the type of development request (Resolution No. 05-22) [SELECT ONLY ONE BOX]:

Platting Application Fees:

- Master Plat (\$100.00 + \$15.00 Acre)¹
- Preliminary Plat (\$200.00 + \$15.00 Acre)¹
- Final Plat (\$300.00 + \$20.00 Acre)¹
- Replat (\$300.00 + \$20.00 Acre)¹
- Amending or Minor Plat (\$150.00)
- Plat Reinstatement Request (\$100.00)

Site Plan Application Fees:

- Site Plan (\$250.00 + \$20.00 Acre)¹
- Amended Site Plan/Elevations/Landscaping Plan (\$100.00)

Zoning Application Fees:

- Zoning Change (\$200.00 + \$15.00 Acre)¹
- Specific Use Permit (\$200.00 + \$15.00 Acre)¹
- PD Development Plans (\$200.00 + \$15.00 Acre)¹

Other Application Fees:

- Tree Removal (\$75.00)

Notes:

¹: In determining the fee, please use the exact acreage when multiplying by the per acre amount. For requests on less than one acre, only the "base fee" is required.

PROPERTY INFORMATION [PLEASE PRINT]

Address 819 East I-30 and Frontage Rd.

Subdivision Kohls

Lot 1 Block A

General Location Outer parking area between Kohls and Chuck E. Cheese

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

Current Zoning C Commercial and I-30 Scenic Overlay

Current Use Outer parking of Kohls

Proposed Zoning Same as above

Proposed Use Restaurant

Acreage 1.61

Lots [Current] 1

Lots [Proposed] 2

Required for Plats: By checking the box at the left you agree to waive the statutory time limit for plat approval in accordance with Section 212.009 of the Local Government Code.

OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

Owner Kohls Illinois, Inc.

Applicant CBOCS Texas, LLC.

Contact Person Eric Borkenhagen

Contact Person Debora Allegranti (w/Design and Engineering, Inc.)

Address N56W17000 Ridgewood Dr.

Address 307 Hartmann Drive

City, State & Zip Menomonee Falls, WI. 53051

City, State & Zip Lebanon, TN. 37087

Phone 262 703-7000

Phone 615 370-1779

E-Mail eric.borkenhagen@kohls.com

E-Mail dallegranti@dandainc.us

NOTARY VERIFICATION [REQUIRED]

Before me, the undersigned authority, on this day personally appeared Daniel Sherfy [Owner/Applicant Name] the undersigned, who stated the information on this application to be true and certified the following:

"I hereby certify that I am the owner, or duly authorized agent of the owner, for the purpose of this application; all information submitted herein is true and correct; and the application fee of \$ 382.20, to cover the cost of this application, has been paid to the City of Rockwall on this the 10 day of September, 2018. By signing this application I agree that the City of Rockwall (i.e. "City") is authorized and permitted to provide information contained within this application to the public. The City is also authorized and permitted to reproduce any copyrighted information submitted in conjunction with this application, if such reproduction is associated or in response to a request for public information."

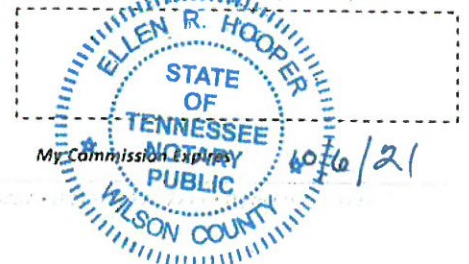
Given under my hand and seal of office on this the 10th day of September, 2018

Owner's/Applicant's Signature

[Signature] Director

Notary Public in and for the State of Tennessee

DEVELOPMENT APPLICATION





RECEIPT

Project Number: SP2018-028
Job Address: 819 E I30
ROCKWALL, TX 75087

Receipt Number: B82086

Printed: 9/17/2018 10:41 am

Fee Description	Account Number	Fee Amount
SITE PLANNING	01-4280	\$ 282.20

Total Fees Paid:

\$ 282.20

Date Paid: 9/17/2018 12:00:00AM

Paid By: DESIGN & ENGINEERING INC

Pay Method: CHECK 37853

Received By: LM



October 17, 2018

ATTN: DEBORA ALLEGRANTI
CBOCS TEXAS,LLC
307 HARTMAN DRIVE,
LEBANON, TN 37087

RE: SITE PLAN (SP2018-028), Cracker Barrel

Dear Applicant:

This letter serves to notify you that the above referenced case that you submitted before the City of Rockwall was approved by the City Council on 10/15/2018. The following is a record of all recommendations, voting records and conditions of approval:

ARCHITECTURAL REVIEW BOARD

On September 25, 2018 the Architectural Review Board (ARB) reviewed the proposed building elevations and requested more vertical and horizontal articulation, to utilize natural stone in-lieu of cultured stone, and to increase the amount of stone on each façade. The applicant has submitted revised building elevations and the Architectural Review Board (ARB) will review the revised building elevations and forward a recommendation to the Planning and Zoning Commission at the October 9, 2018 meeting.

On October 9, 2018, the Architectural Review Board (ARB) reviewed the revised elevations and approved a motion to recommend approval of the revised building elevations by a vote of 6-0, with Board Member Meyrat absent.

RECOMMENDATIONS:

If the City Council chooses to approve the applicant's request then staff would recommend the following conditions of approval:

- 1) All comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of a building permit;*
- 2) All offsite signage must be removed prior to issuance of Certificate of Occupancy.*
- 3) Any construction or building necessary to complete this Site Plan request must conform to the requirements set forth by the UDC, International Building Code, the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.*

PLANNING AND ZONING COMMISSION:

On October 9, 2018, the Planning and Zoning Commission's motion to approve the applicant's request passed by a vote of 6-0, with Commissioner Fishman absent.

CITY COUNCIL:

On October 15, 2018, the City Council made three (3) separate motions for approval of the following variances to the UDC: 1. Four (4) sided articulation standards: a) Horizontal Articulation, b) Vertical Articulation, and 2. Masonry Requirements that allows for the structure to exceed 50% cementateous materials by allowing 63% to 80% hardie board on the building facades. All three (3) motions passed by votes of 7 to 0.




For information about the procedures and required materials to file a plat, or for any other additional questions on this matter, please contact Planning staff at (972) 771-7745.

Sincerely,

Korey Brooks, AICP
Senior Planner
Planning & Zoning Department
City of Rockwall, TX

0 25 50 100 150 200 Feet

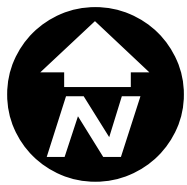
SP2018-028 - CRACKER BARREL
SITE PLAN - LOCATION MAP = 



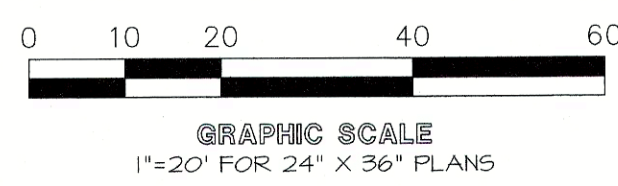
City of Rockwall

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

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

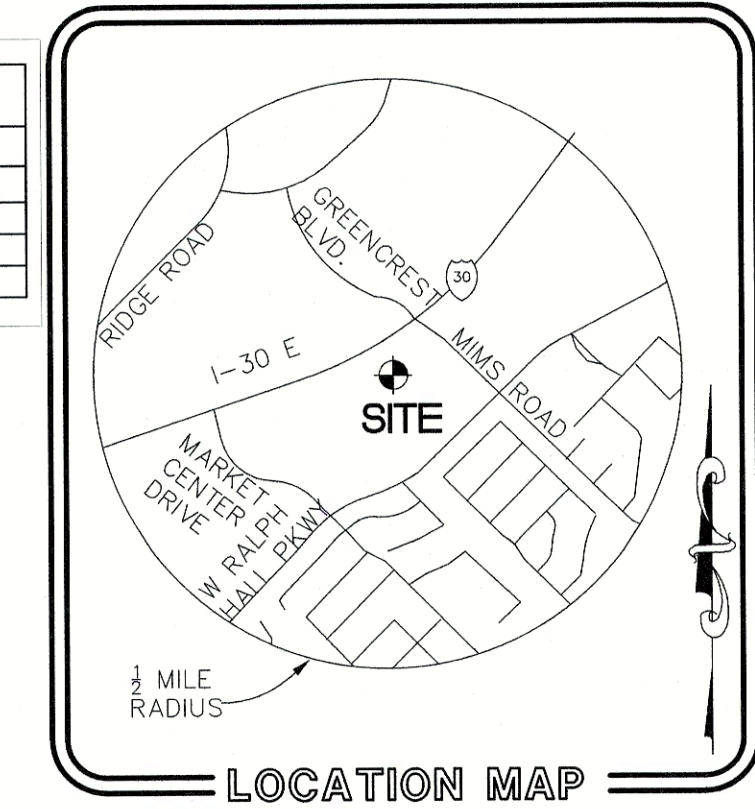


CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	3969.72'	357.75'	178.99'	357.62'	N 59°35'03" E	5°09'48"
C2	3969.72'	417.24'	208.81'	417.05'	S 65°10'37" W	6°01'19"
C3	3969.72'	206.57'	103.31'	206.55'	N 55°30'43" E	2°58'53"



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD

PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.00	62.1
LANDSCAPE AREA	0.37	23.0

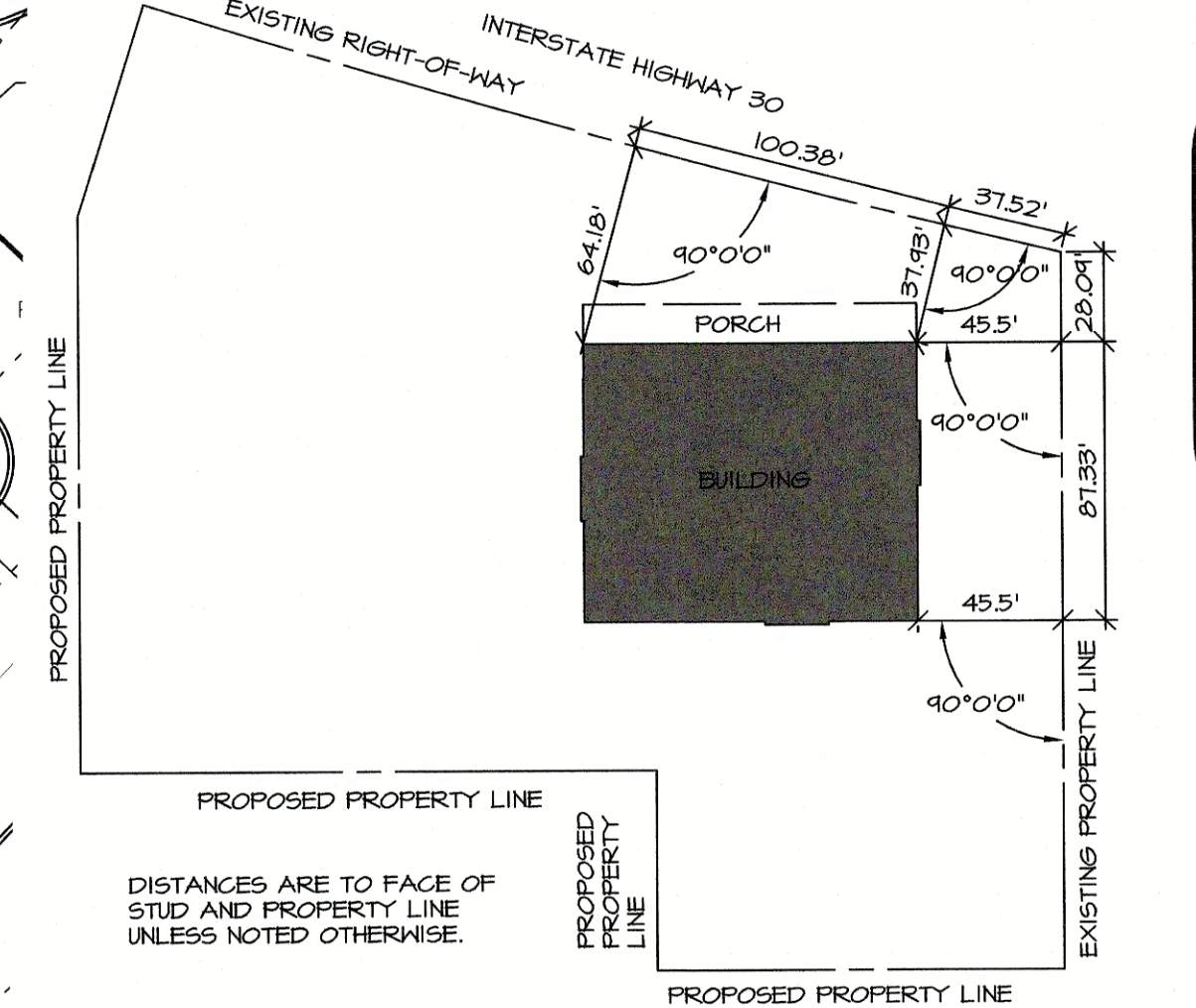


LEGEND	
EXISTING	PROPOSED
— 0.5' —	— 0.5' —
— SS —	— SS —
— N/A —	— N/A —
— W —	— W —
— 0E —	— 0E —
— N/A —	— N/A —
— UG —	— UG —
— 0C01 —	— 0C01 —
— 0V —	— 0V —
— 0C02 —	— 0C02 —
— 0C03 —	— 0C03 —
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— 0C97 —	— 0C97 —
— 0C98 —	— 0C98 —
— 0C99 —	— 0C99 —
— 0C100 —	— 0C100 —

PROPOSED LAND USE: COMMERCIAL
ZONING DISTRICT: C, COMMERCIAL
MAXIMUM PERCENT IMPERVIOUS REQUIRED: 85%
PERCENT IMPERVIOUS PROVIDED: 77%
PARKING LOT LANDSCAPE AREA: 3,461 SF / 45.64 SF = 1.6%

NOTES

- BOUNDARY INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY BY: FREELAND AND ASSOCIATES, INC. 323 WEST STONE AVENUE, GREENVILLE, SOUTH CAROLINA 29604 DATED: 3-30-18
- TOTAL AREA OF SITE: 1.61 ACRES (10,114 SF)
- PARKING SUMMARY:
87 PARKING SPACES FOR CARS
6 ACCESSIBLE PARKING SPACES
43 TOTAL PARKING SPACES
- BUILDING: 4,230 SQ. FT. PORCH: 1,316 SQ. FT. / SEATING CAPACITY = 180
- THE CONTRACTOR SHALL BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY.
- PERSONS USING THIS DRAWING SHOULD CONTACT LOCAL UTILITY COMPANIES FOR EXACT LOCATIONS OF UNDERGROUND UTILITIES.
- ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD, UNLESS OTHERWISE NOTED.
- UNLESS NOTED OTHERWISE, CURB RADI 3.0' AND ANGLES ARE 90°.
- DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- IN THE CASE OF CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR THE SPECIFICATIONS, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR CLARIFICATION.
- SEE SHEET C-1A FOR ADDITIONAL SITE NOTES.



BUILDING STAKEOUT PLAN

NO SCALE

SHEET INDEX

SHEET NO.	SHEET NAME	LAST REVISION
C-1	SITE LAYOUT PLAN	04-04-18
C-1A	SITE PAVEMENT JOINT AND FIRE LINE STRIPING PLAN	04-04-18
C-2	SITE GRADING PLAN	04-04-18
C-3	(NOT FOR PLANNING REVIEW) SITE EROSION & SEDIMENT CONTROL PLAN (NOT FOR PLANNING REVIEW)	04-04-18
C-4	SITE UTILITY PLAN	04-04-18
C-5	SITE PHOTOMETRIC PLAN	04-04-18
C-6	SITE DEMOLITION PLAN	04-04-18
SD-1 - SD-4	STANDARD DETAILS	04-04-18
D-1 - D-2	DUMPSTER DETAILS	04-04-18
T OF 1	LAND TITLE AND TOPOGRAPHIC SURVEY	03-30-18
LPO	TREESCAPES PLAN	04-04-18
LP1	LANDSCAPE PLAN	04-04-18
LP3	STANDARD DETAILS	04-04-18
LP4	SLEEVING PLAN	04-04-18

PARKING SUMMARY		
USE	REQUIRED	PROVIDED
RESTAURANT (TOTAL)	43	43
ACCESSIBLE	5*	6*

PARKING REQUIREMENTS	
USE	PARKING REQUIREMENT
RESTAURANT	1 SPACE/100 SF = 4,230 = 43 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 43 SPACES

CAUTION
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PROPERTY OWNER: KOHL'S ILLINOIS, INC. 5661000 RIDGEBROOK DRIVE MENOMONEE FALLS, WISCONSIN 53051 ERIC BORKENHAGEN (262) 703-1000
OWNER: CBOCS TEXAS LIMITED PARTNERSHIP P.O. BOX 187 LEBANON, TENNESSEE 37088-0187 TELEPHONE: (615) 444-5533
PLANS PREPARED BY: JAMES A. CRAIG, P.E. DESIGN AND ENGINEERING, INC. 1645 WESTGATE CIRCLE BRENTWOOD, TENNESSEE 37027 (615) 370-1174

CRACKER BARREL
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
BLOCK A, LOT 1
CASE NUMBER:

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX-03
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 75087
These construction documents are the exclusive property of Cracker Barrel Old Country Store, Inc. The information shown may not be used or the drawings reproduced without written permission of Cracker Barrel Old Country Store, Inc.

Cracker Barrel
P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087



1645 Westgate Circle
Brentwood, TN 37027
615-370-1179
615-370-9108
www.dandei.com
DESIGN and ENGINEERING
STRUCTURAL AND CIVIL ENGINEERS

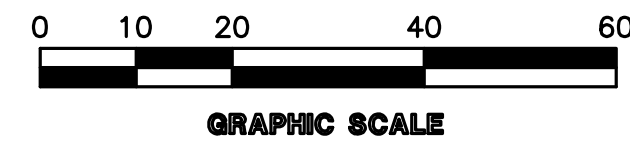
DATE	REVISIONS
04-04-18	11-1645



SITE LAYOUT PLAN

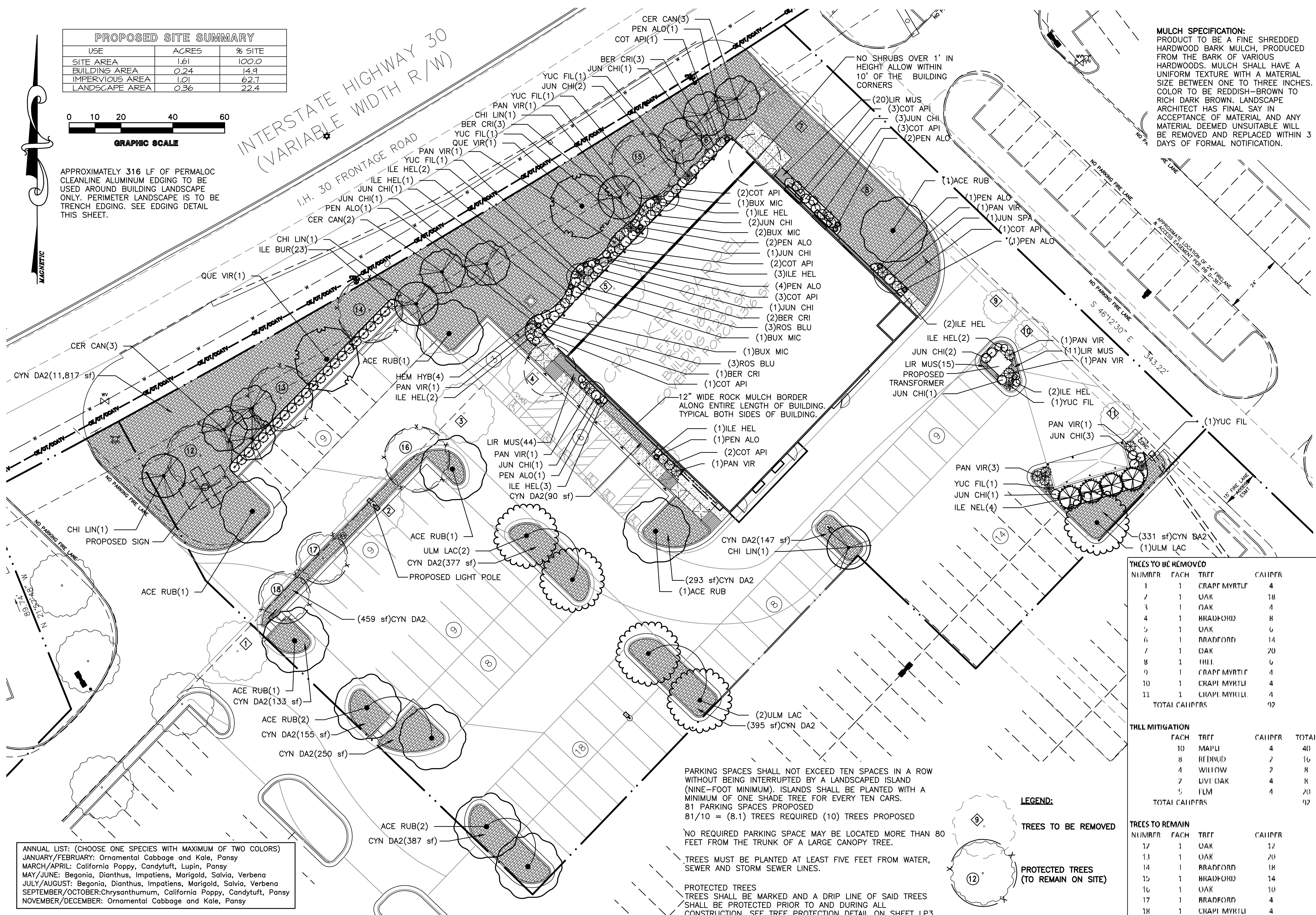
C-1
PROTO 180-1174

PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.01	62.7
LANDSCAPE AREA	0.36	22.4



APPROXIMATELY 316 LF OF PERMALOC CLEANLINE ALUMINUM EDGING TO BE USED AROUND BUILDING LANDSCAPE ONLY. PERIMETER LANDSCAPE IS TO BE TRENCH EDGING. SEE EDGING DETAIL THIS SHEET.

INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)



ANNUAL LIST: (CHOOSE ONE SPECIES WITH MAXIMUM OF TWO COLORS)
 JANUARY/FEBRUARY: Ornamental Cabbage and Kale, Pansy
 MARCH/APRIL: California Poppy, Candytuft, Lupin, Pansy
 MAY/JUNE: Begonia, Dianthus, Impatiens, Marigold, Salvia, Verbena
 JULY/AUGUST: Begonia, Dianthus, Impatiens, Marigold, Salvia, Verbena
 SEPTEMBER/OCTOBER: Chrysanthemum, California Poppy, Candytuft, Pansy
 NOVEMBER/DECEMBER: Ornamental Cabbage and Kale, Pansy

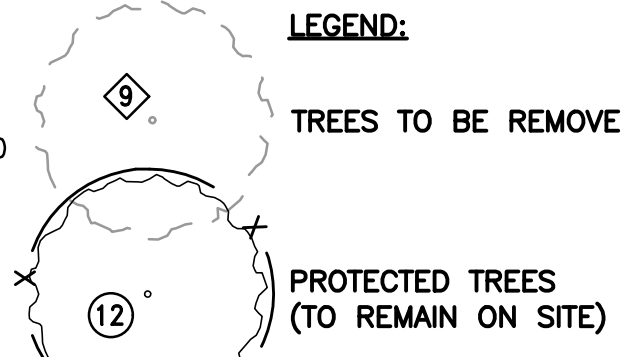
GENERAL NOTES:

- UNDERGROUND UTILITIES:
 - UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811.
 - THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE MADE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.
- CONTRACTOR IS TO VERIFY ALL QUANTITIES SHOWN ON PLAN AND IN LIST. IF DISCREPANCIES OCCUR, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
- THE LANDSCAPE CONTRACTOR WILL BE HELD FINANCIALLY LIABLE FOR ANY DAMAGE CAUSED TO NEWLY POURED CONCRETE DRIVES, CURBING, OR SIDEWALKS BY THE INSTALLATION OF THE IRRIGATION SYSTEM.
- THE LANDSCAPE CONTRACTOR IS TO PERFORM A THOROUGH CLEANUP AND QUALITY CONTROL INSPECTION WITHIN 12 HOURS PRIOR TO THE V.I.P. GRAND OPENING OF THE RESTAURANT.

PLANT SCHEDULE LANDSCAPE (ZONE 8)

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	ZONE	REMARKS	
ACE RUB	10	ACER RUBRUM 'RED SUNSET'	'RED SUNSET' MAPLE	B&B	4" CAL	12"-14' HT	ZONE 7-10	MATCHED TREES	
CER CAN	8	CERCIS CANADENSIS	EASTERN REDBUD	B&B	2" CAL	6'-8' HT	ZONE 4-8	MATCHED TREES	
CHI LIN	4	CHILOPSIS LINEARIS	DESERT WILLOW	B&B	2" CAL	6'-8' HT	ZONE 7-9	FULL TREE	
ILE NEL	4	ILEX X 'NELLIE R STEVENS'	NELLIE STEVENS HOLLY	B&B	6'-8" HT	ZONE 6-9	FULL TO GROUND	FULL TREES	
QUE VIR	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	B&B	4" CAL	10'-12' HT	ZONE 7-10	FULL TREES	
ULM LAC	5	ULMUS PARVIFOLIA 'LACEBARK ELM'	CHEESE ELM TREE	B&B	4" CAL	12'-14' HT	ZONE 4-9	MATCHED TREES	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	ZONE	REMARKS
BER CRI	9	BERBERIS THUNBERGII 'CRIMSON PYGMY'	CRIMSON PYGMY BARBERRY	T.B.D.	18"-21"	30" O.C.	30" O.C.	ZONE 4-8	FULL PLANT
BUX MIC	5	BUXUS MICROPHYLLA 'JAPONICA 'GREEN BEAUTY'	GREEN BEAUTY BOXWOOD	T.B.D.	24"-30"	30"-36"	48" O.C.	ZONE 5-9	FULL PLANT
COT API	18	COTONEASTER APICULATUS	CRANBERRY COTONEASTER	T.B.D.	18"-24"	24"-30"	48" O.C.	ZONE 5-9	FULL PLANT
ILE BUR	23	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	CONT	30"-36"	30"-36"	48" O.C.	ZONE 6-9	FULL PLANT
ILE HEL	19	ILEX CRENATA 'HELIERI'	HELIER JAPANESE HOLLY	T.B.D.	12"-15"	15"-18"	30" O.C.	ZONE 5-9	FULL PLANT
JUN CHI	20	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	T.B.D.	15"-18"	24"-30"	48" O.C.	ZONE 4-9	FULL PLANT
JUN SPA	1	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER	T.B.D.	6' MIN. HT	30"-36"	SPACE AS SHOWN	ZONE 4-9	FULL TO GROUND
PAN VIR	12	PANICUM VIRGATUM	SWITCH GRASS	CONT	30"-36"	24"-36"	AS SHOWN	ZONE 4-9	AS SHOWN
PEN ALO	14	PENNISSETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	CONT	10"-12"	SPACE AS SHOWN	SPACE AS SHOWN	ZONE 5-9	SPACE AS SHOWN
ROS BLU	7	ROSA X 'BLUSHING KNOCKOUT'	ROSE	T.B.D.	18"-24"	18"-24"	48" O.C.	ZONE 5-9	48" O.C.
YUC FIL	6	YUCCA FILAMENTOSA	ADAM'S NEEDLE	T.B.D.	18"-24"	18"-24"	36" O.C.	ZONE 4-8	36" O.C.
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	ZONE				
HEM HYB	4	HEMEROCALLIS HYBRID 'STELLA DE ORO'	STELLA DE ORO DAYLILY	1 GAL	ZONE 3-10				FULL POT
LIR MUS	90	LIRIOPE MUSCARI 'MAJESTIC'	MAJESTIC LIRIOPE	4" POT	ZONE 5-10				FULL POT
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT	ZONE				
CYN DA2	14,835 SF	CYNODON DACTYLON	BERMUDA GRASS	SOD	ZONE 7-10				LAY SOD WITHIN 48 HOURS OF CUTTING

PARKING SPACES SHALL NOT EXCEED TEN SPACES IN A ROW WITHOUT BEING INTERRUPTED BY A LANDSCAPE ISLAND (NINE-FOOT MINIMUM) ISLANDS SHALL BE PLANTED WITH A MINIMUM OF ONE SHADE TREE FOR EVERY TEN CARS.
 81 PARKING SPACES PROPOSED
 81/10 = (8.1) TREES REQUIRED (10) TREES PROPOSED
 NO REQUIRED PARKING SPACE MAY BE LOCATED MORE THAN 80 FEET FROM THE TRUNK OF A LARGE CANOPY TREE.
 TREES MUST BE PLANTED AT LEAST FIVE FEET FROM WATER, SEWER AND STORM SEWER LINES.
 PROTECTED TREES
 TREES SHALL BE MARKED AND A DRIP LINE OF SAID TREES SHALL BE PROTECTED PRIOR TO AND DURING ALL CONSTRUCTION. SEE TREE PROTECTION DETAIL ON SHEET LP3

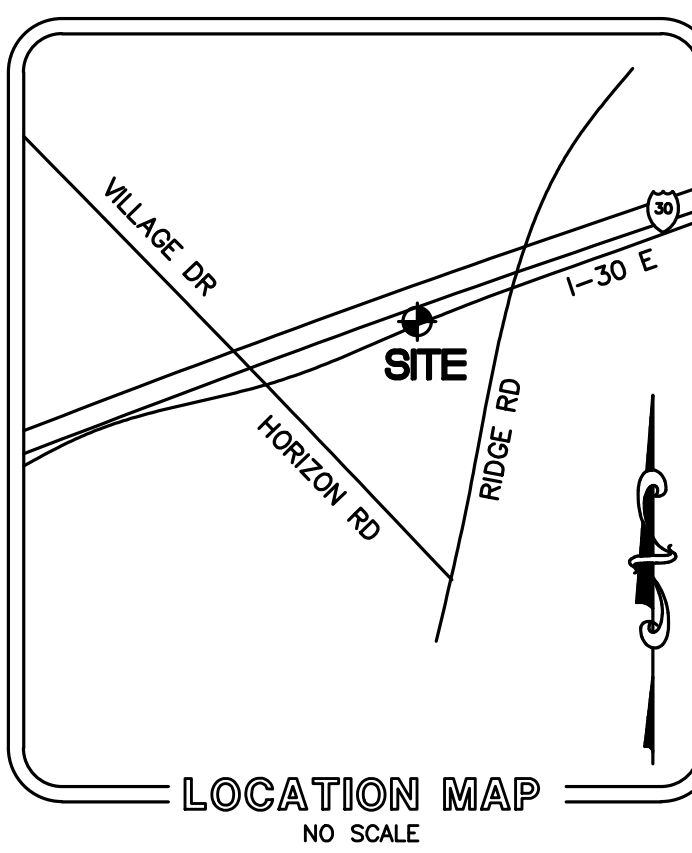


INCHES TO BE REMOVED			
NUMBER	FACH	TRFT	CAIIPFR
1	1	CRAPP MYRTLF	4
2	1	OAK	18
3	1	OAK	4
4	1	BRAID-OND	8
5	1	OAK	6
6	1	BRADFORD	14
7	1	OAK	20
8	1	HOLL	6
9	1	CRAPP MYRTLF	4
10	1	CRAPP MYRTLF	4
11	1	CRAPP MYRTLF	4
TOTAL CAIIPFRS			92

THLL MITIGATION			
FACH	TRFT	CAIIPFR	TOTAL
10	MAPLE	4	40
8	HOLL	7	16
4	WILLOW	7	8
2	LVI OAK	4	8
5	FLM	4	20
TOTAL CAIIPFRS			92

TREES TO REMAIN			
NUMBER	FACH	TRFT	CAIIPFR
12	1	OAK	12
13	1	OAK	20
14	1	BRADFORD	18
15	1	BRAID-OND	14
16	1	OAK	10
17	1	BRADFORD	4
18	1	CRAPP MYRTLF	4
TOTAL CAIIPFRS			82

MULCH SPECIFICATION:
 PRODUCT TO BE A FINE SHREDDED HARDWOOD BARK MULCH, PRODUCED FROM THE BARK OF VARIOUS HARDWOODS. MULCH SHALL HAVE A UNIFORM TEXTURE WITH A MATERIAL SIZE BETWEEN ONE TO THREE INCHES. COLOR TO BE REDDISH-BROWN TO RICH DARK BROWN. LANDSCAPE ARCHITECT HAS FINAL SAY IN ACCEPTANCE OF MATERIAL AND ANY MATERIAL DEEMED UNSUITABLE WILL BE REMOVED AND REPLACED WITHIN 3 DAYS OF FORMAL NOTIFICATION.



LEGEND

EXISTING	PROPOSED
CONTOUR	CONTOUR
SPOT EL.*	SPOT EL.*
STORM SEWER	STORM SEWER
SANITARY SEWER	SANITARY SEWER
MANHOLE	MANHOLE
CLEAN OUT	CLEAN OUT
HATER LINE	HATER LINE
OVERHEAD WIRES	N/A
UNDERGROUND ELEC.	N/A
UNDERGROUND GAS	N/A
CATCH BASIN	CATCH BASIN
GATE VALVE	GATE VALVE
FIRE HYDRANT	FIRE HYDRANT
UTILITY POLE	UTILITY POLE
LIGHT POLE	LIGHT POLE
N/A	PARKING COUNT

* SPOT ELEVATION ABBREVIATIONS:
 TG - TOP OF GROUND
 FL - FLOW LINE
 TR - TOP OF RAMP
 BR - BOTTOM OF RAMP
 TLIP - TOP OF CONCRETE LIP
 BLIP - BOTTOM OF CONCRETE LIP

SPECIAL SIGNAGE NOTE:
 LANDSCAPE CONTRACTOR TO PROVIDE GRAVEL BED 2 FEET OUT FROM PROPOSED SIGN PYLON. BED TO HAVE 4 INCHES OF NATIVE RIVER ROCK 3/4"-1" (OWNER APPROVED) ON TOP OF LANDSCAPE FILTER FABRIC. MULCH BED TO BE CONTAINED BY PERMALOC EDGING (SEE DETAIL ON LP3). PROPOSED BED SHOULD BE HIGHER THAN SURROUNDING GRADE TO ELIMINATE STANDING WATER AROUND AND AGAINST STEEL PYLON.

- LANDSCAPE NOTES:**
- PLANTING BEDS AND PLANT LOCATIONS SHALL BE STAKED BY THE LANDSCAPE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF THE PLANTS.
 - PLANTING BEDS SHALL BE CLEARED OF ALL GRASS AND WEEDS PRIOR TO INSTALLATION OF PLANTS, INCLUDING SPRAYING "ROUND-UP" OR APPROVED SUBSTITUTE TO KILL ACTIVELY GROWING PLANTS. PLANT BEDS SHALL BE PREPARED AS CALLED FOR IN THE SPECIFICATIONS.
 - ALL OTHER DISTURBED AREAS ARE TO BE SEEDED OR SODDED AS PER THE PLANS. ADDITIONAL SEEDING OR SODDING, IF REQUIRED, WILL BE AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - PLANTING BEDS SHALL HAVE A FOUR (4) INCH DEEP SHREDDED HARDWOOD BARK MULCH OVER THE ENTIRE BED, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - PRIOR TO PLANTING, ALL PLANTED AREAS SHALL BE TREATED WITH A WATER-SOLUBLE HERBICIDE FOR THE NON-SELECTIVE CONTROL OF ANNUAL AND PERENNIAL WEEDS PRIOR TO PLANTING.
 - ALL TREE AND SHRUB PLANTING PITS SHALL BE BACKFILLED WITH A PLANTING SOIL MIXTURE OF ONE (1) PART PEAT MOSS, THREE (3) PARTS NATIVE OR APPROVED TOPSOIL AND ONE (1) PART SAND, THOROUGHLY MIXED. SAMPLE OF MIXTURE TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
 - PLANT GROUNDCOVER & ANNUAL BEDS IN SAME MIXTURE AS SHRUBS. AFTER PLANTING & MULCHING, WATER AREAS TO POINT OF SATURATION.
 - ALL PLANTED AREAS ARE TO BE FERTILIZED WITH GRANULAR FERTILIZER. LANDSCAPE CONTRACTOR IS TO PROVIDE SOIL TEST RESULTS AND PROPOSED FERTILIZER APPLICATION RATES TO THE OWNER OR OWNER'S REPRESENTATIVE FOR APPROVAL.
 - ALL PLANT MATERIAL IS TO BE NURSERY GROWN AND TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z601-CURRENT ADDITION).
 - SPRAY TREES AND SHRUBS WITH AN ANTI-DESICCANT IF FOLIAGE IS PRESENT.
 - EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN THE SAME MANNER AS DECIDUOUS MATERIAL IS PLANTED.
 - DO NOT PRUNE ANY PLANT MATERIAL UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - ALL LANDSCAPE MATERIAL SHALL BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION. MATERIALS MAY BE VIEWED AT LANDSCAPE CONTRACTOR'S HOLDING SITE OR AT THIS SITE. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF THE AVAILABILITY OF THE MATERIALS TO BE INSPECTED.
 - ALL MATERIALS INSPECTED ON THE SITE AND FOUND TO BE UNACCEPTABLE SHALL BE REMOVED FROM THE SITE ON THE DAY OF INSPECTION.
 - FIELD CHANGES AND SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - EXISTING PLANT MATERIAL IS TO BE EVALUATED BY THE LANDSCAPE ARCHITECT FOR POSSIBLE RELOCATION ON SITE. THE LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT FORTY-EIGHT (48) HOURS BEFORE BEGINNING WORK.
 - ALL PLANT MATERIAL SHALL BE SUPPLIED BY APPROPRIATE SOURCES TO PREVENT UNDUE STRESS OR PROLONGED ACCLIMATIZATION WHICH WOULD INHIBIT PLANT GROWTH.
 - LANDSCAPE CONTRACTOR IS TO VERIFY PLANT QUANTITIES SHOWN ON PLAN AND IN LIST. IF DISCREPANCIES OCCUR, LANDSCAPE CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
 - IF NO METAL EDGING IS TO BE USED (SEE PLANS), PROVIDE 4" DEEP CONTINUOUS MULCHED TRENCH AT EDGE BETWEEN BED & TURF. LOCATE 6" FROM DRIPLINE OF OUTER ROW OF SHRUBS, OR AT EDGE OF GROUNDCOVER.
 - NO METAL EDGING SHOULD BE INSTALLED BETWEEN CONCRETE (CURB OR SIDEWALK) AND ADJACENT MATERIAL (SOD OR MULCH).
 - LANDSCAPE CONTRACTOR IS RESPONSIBLE TO WASH DOWN THE PARKING LOT AFTER PLANTING INSTALLATION IS COMPLETE.
 - CONTRACTOR SHALL REMOVE ALL TREE STAKING MATERIAL AT THE END OF THE ONE YEAR WARRANTY.
 - ALL SHRUBS AND EVERGREEN TREES, EXCEPT AS NOTED**, SHALL BE PLANTED AND MAINTAINED IN THEIR NATURAL FORM TO CREATE A PLANT MASSING EFFECT. NO "GUMDROP" PRUNING IS ALLOWED.

I-H 30 OVERLAY DISTRICT
 299 LF OF PROPERTY LINE - 18' ACCESS = 281 LF
 281' / 100 = 2.81 MULTIPLIER

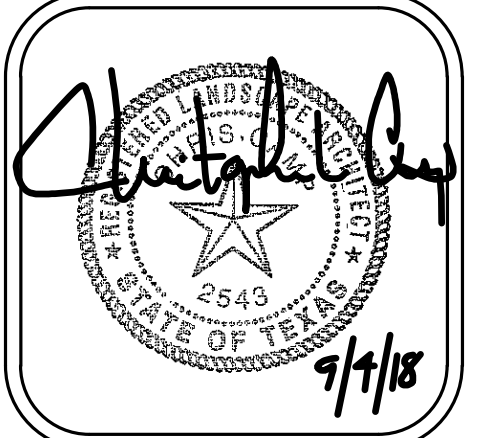
	ORDINANCE	MULTIPLIER	REQUIRED	EXISTING	PROPOSED
* 4" CANOPY	2	2.81	5.62	4	2
4' UNDERSTORY	4	2.81	11.24	-	11
** SHRUBS	CONTINUOUS	NA	-	-	YES

- * EACH STREET SHALL BE PLANTED WITH A FOCUS ON ONE SPECIES TO REINFORCE STREET CHARACTER.
 ** SURFACE PARKING LOTS SHALL BE SCREENED FROM ALL ADJACENT PUBLIC STREETS AND NEIGHBORING SITES. THE SCREEN MUST EXTEND ALONG ALL EDGES OF THE PARKING LOT AND MUST BE THREE FEET IN HEIGHT, 80 PERCENT OPAQUE, AND MAY BE ACCOMPLISHED THROUGH THE USE OF MASONRY WALLS, ORNAMENTAL METAL, EVERGREEN PLANT MATERIALS, OR A COMBINATION THEREOF. PLANTING BEDS FOR SCREEN PLANTING SHALL BE A MINIMUM OF THREE FEET IN WIDTH.
 THE TOTAL NUMBER OF CALIPER INCHES OF TREE BEING REPLACED SHALL EQUAL THE TOTAL NUMBER OF CALIPER INCHES BEING REMOVED. TREES USED FOR OVERLAY DISTRICT STREET TREES AND PARKING LOT TREES ARE COUNTED.

CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER:

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087

Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, Tn. 37087



LOSE DESIGN
 SPACES FOR LIFE.

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF THE DESIGNER. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.

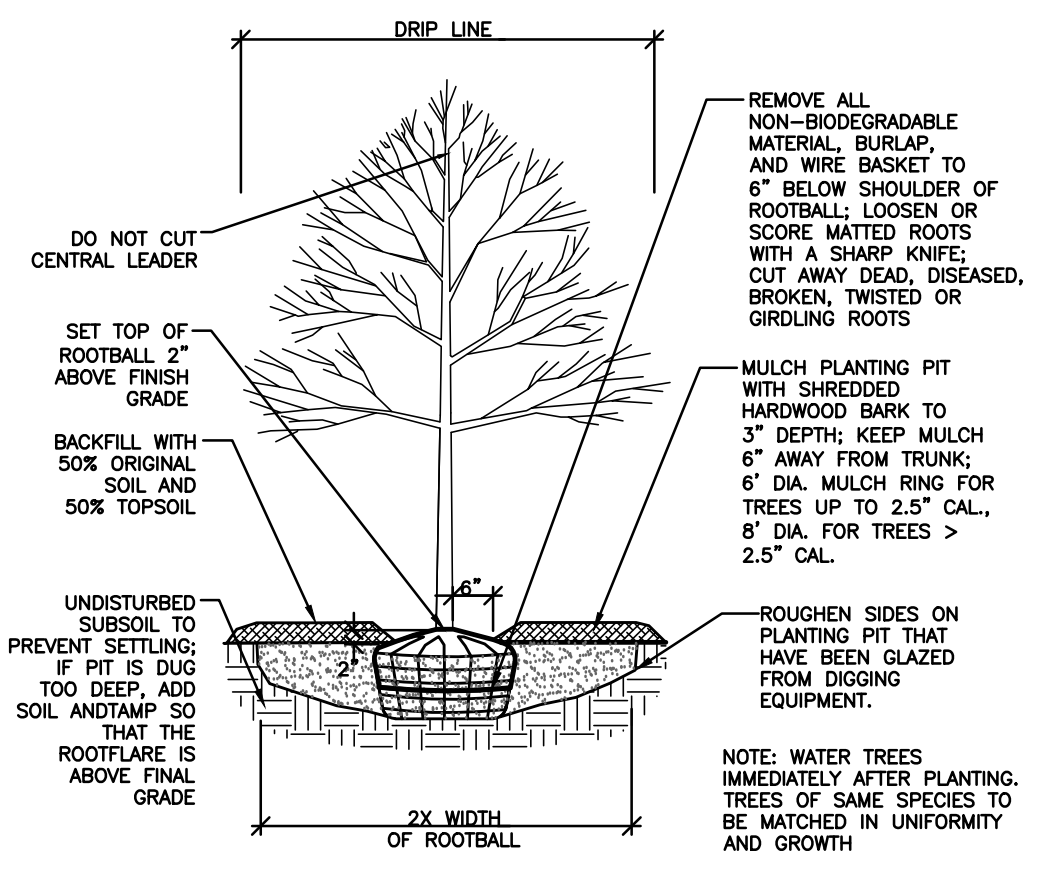
DATE: 04-04-18
 PROJECT NO.: LA18033

REVISIONS

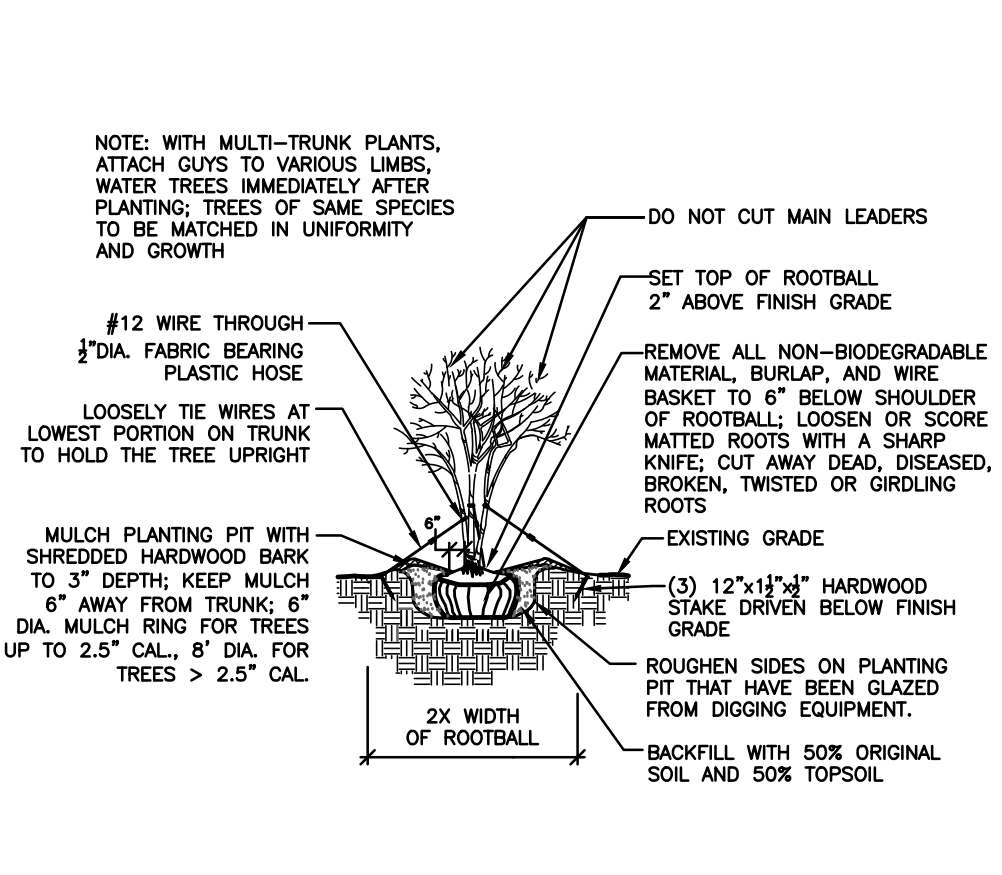


LANDSCAPE PLAN

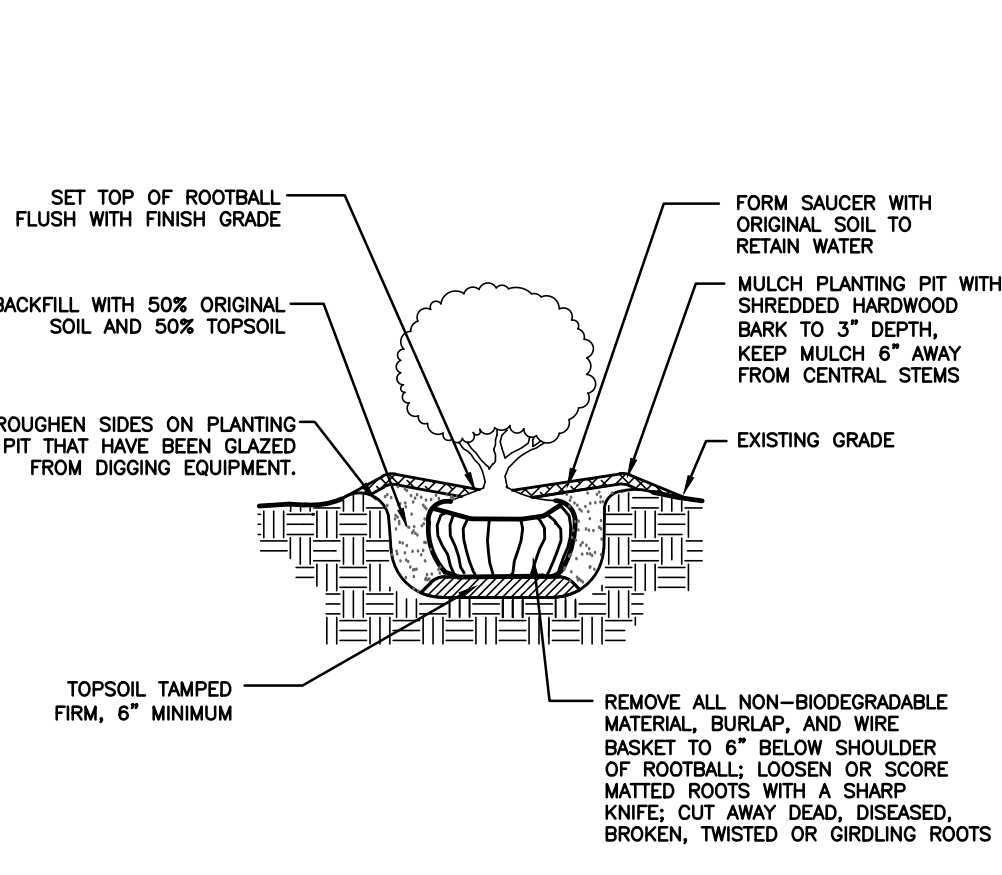
LP1
 PROTO 180-11F



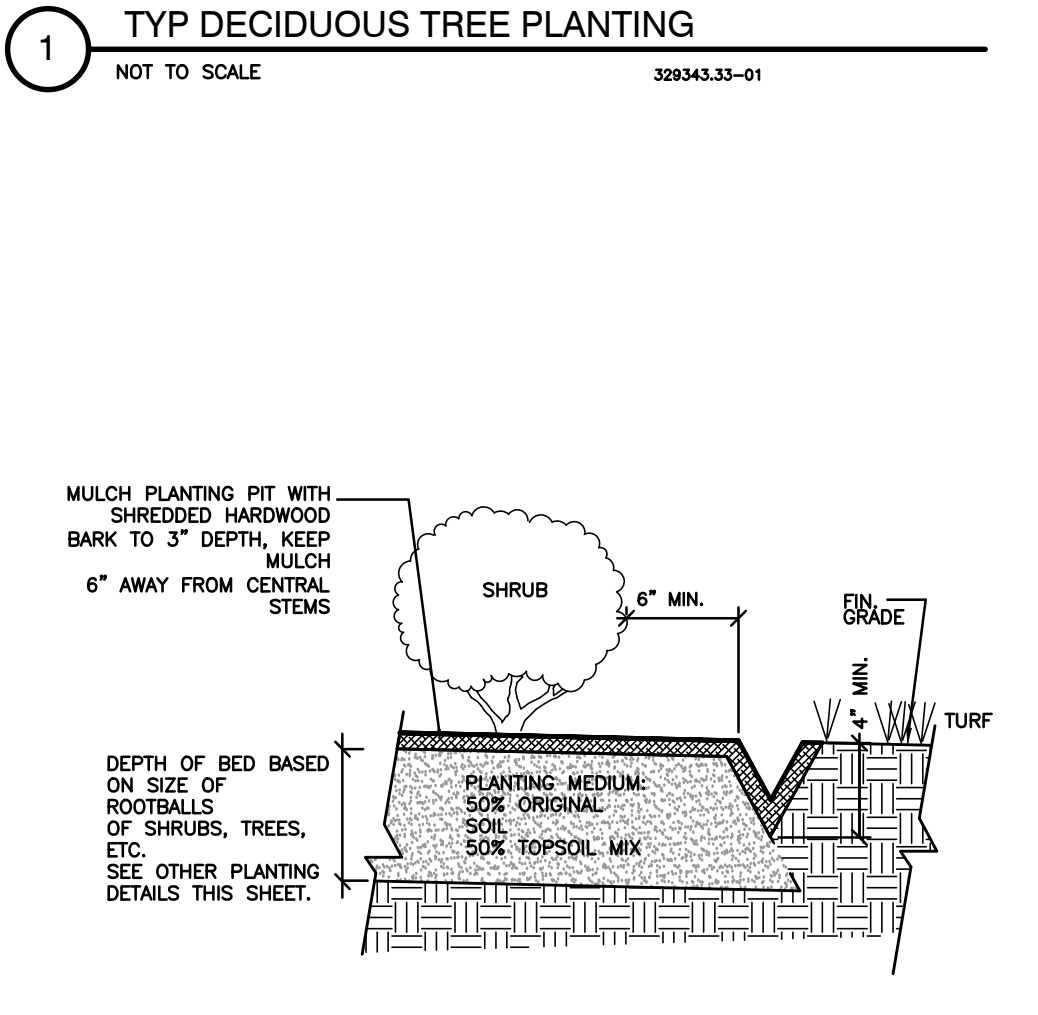
1 TYP DECIDUOUS TREE PLANTING
NOT TO SCALE
32943.33-01



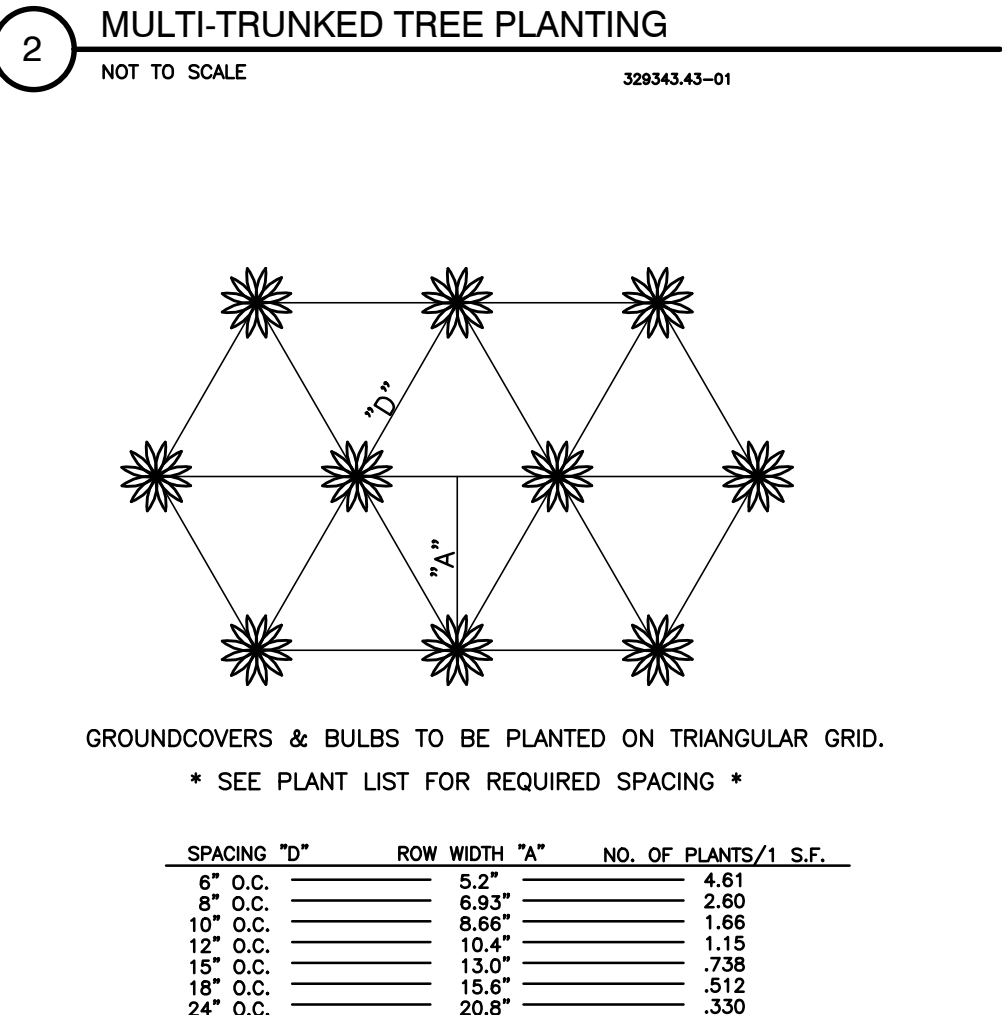
2 MULTI-TRUNKED TREE PLANTING
NOT TO SCALE
32943.43-01



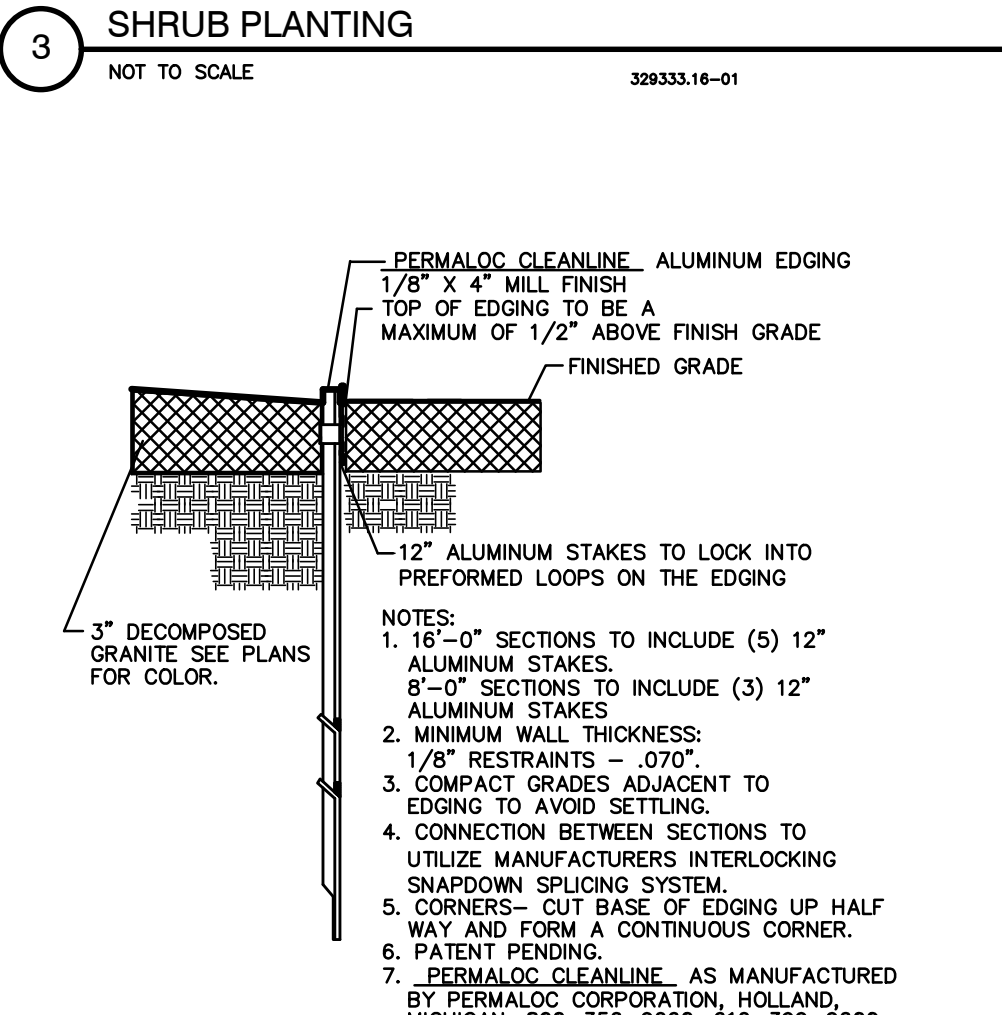
3 SHRUB PLANTING
NOT TO SCALE
32943.14-01



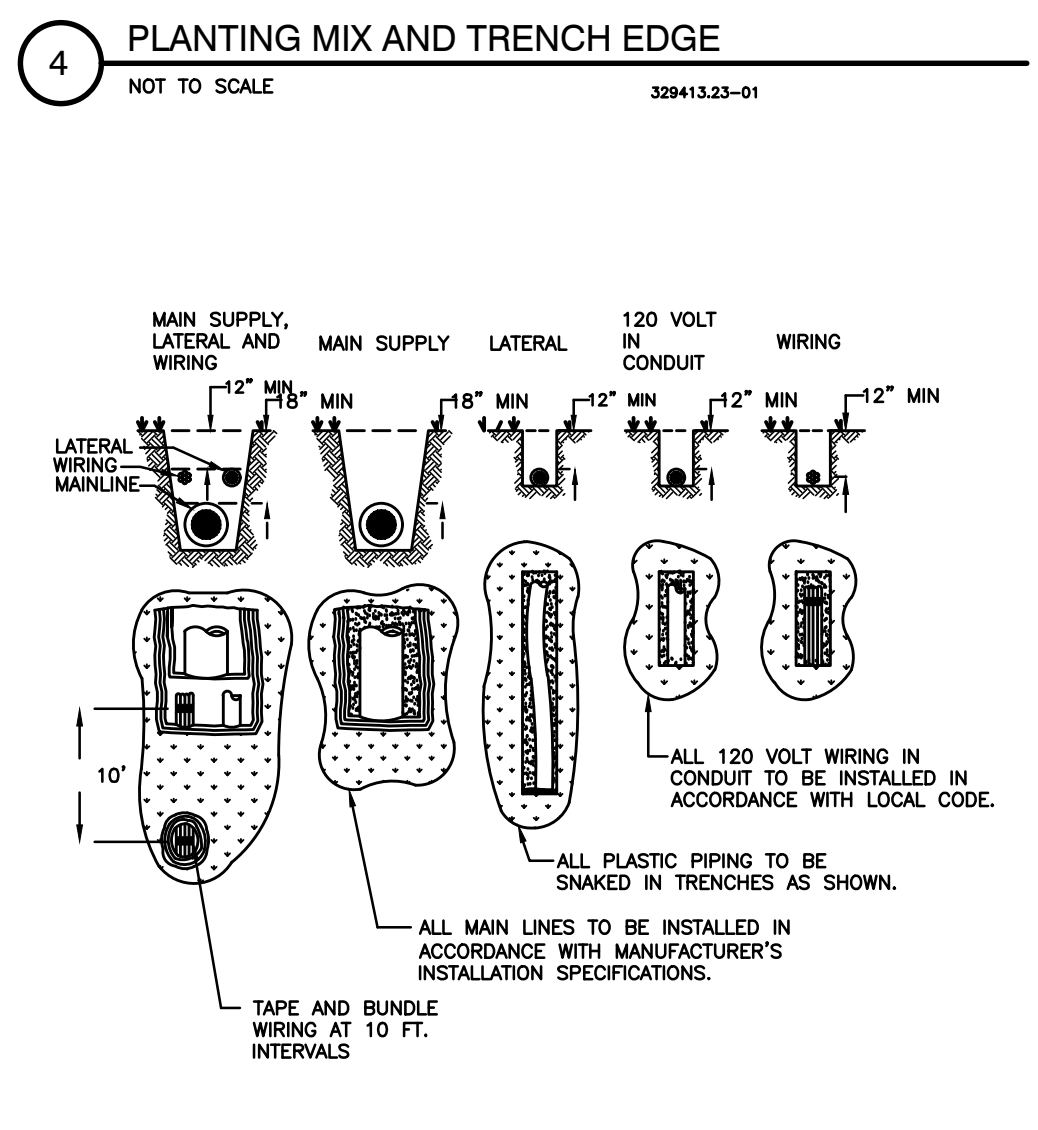
4 PLANTING MIX AND TRENCH EDGE
NOT TO SCALE
32943.33-01



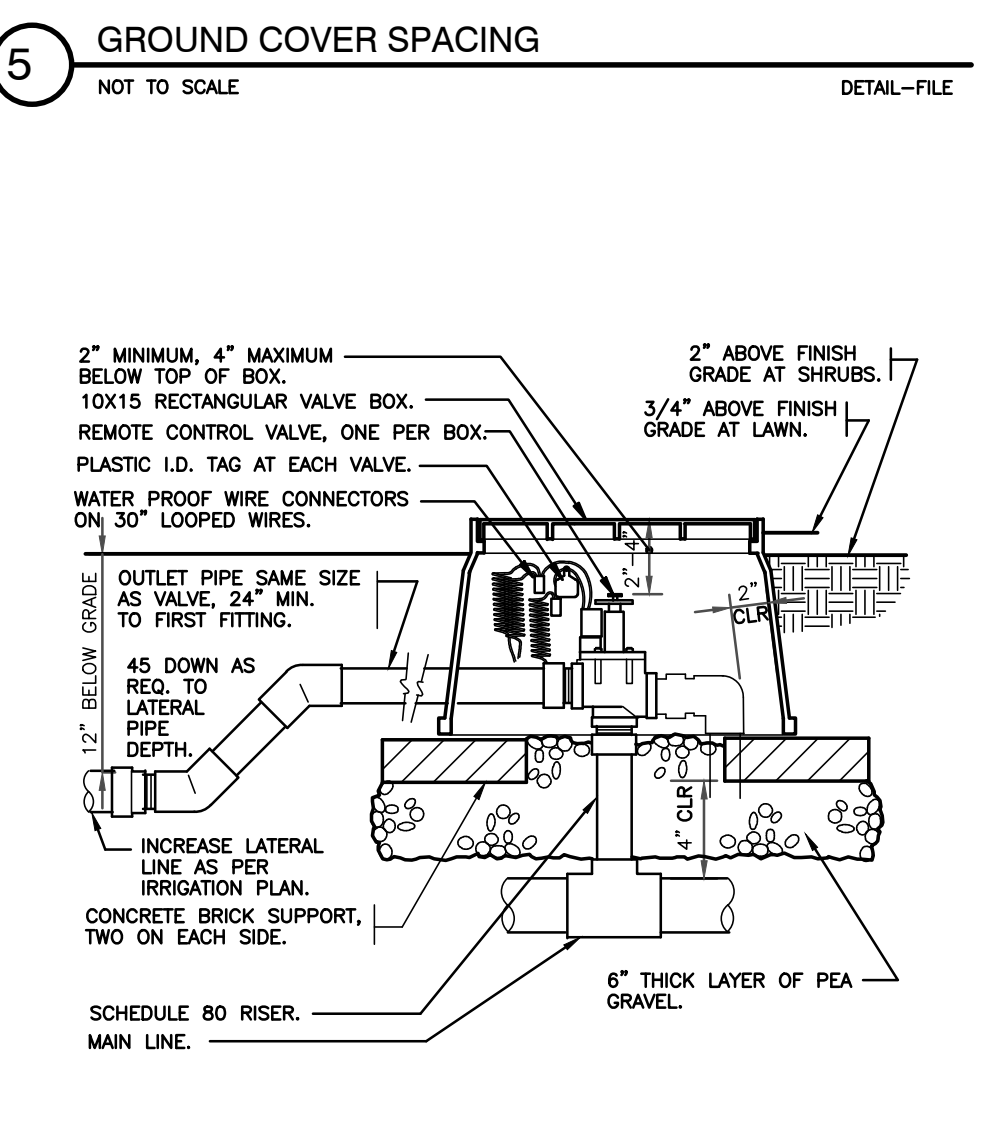
5 GROUND COVER SPACING
NOT TO SCALE
DETAIL-FILE



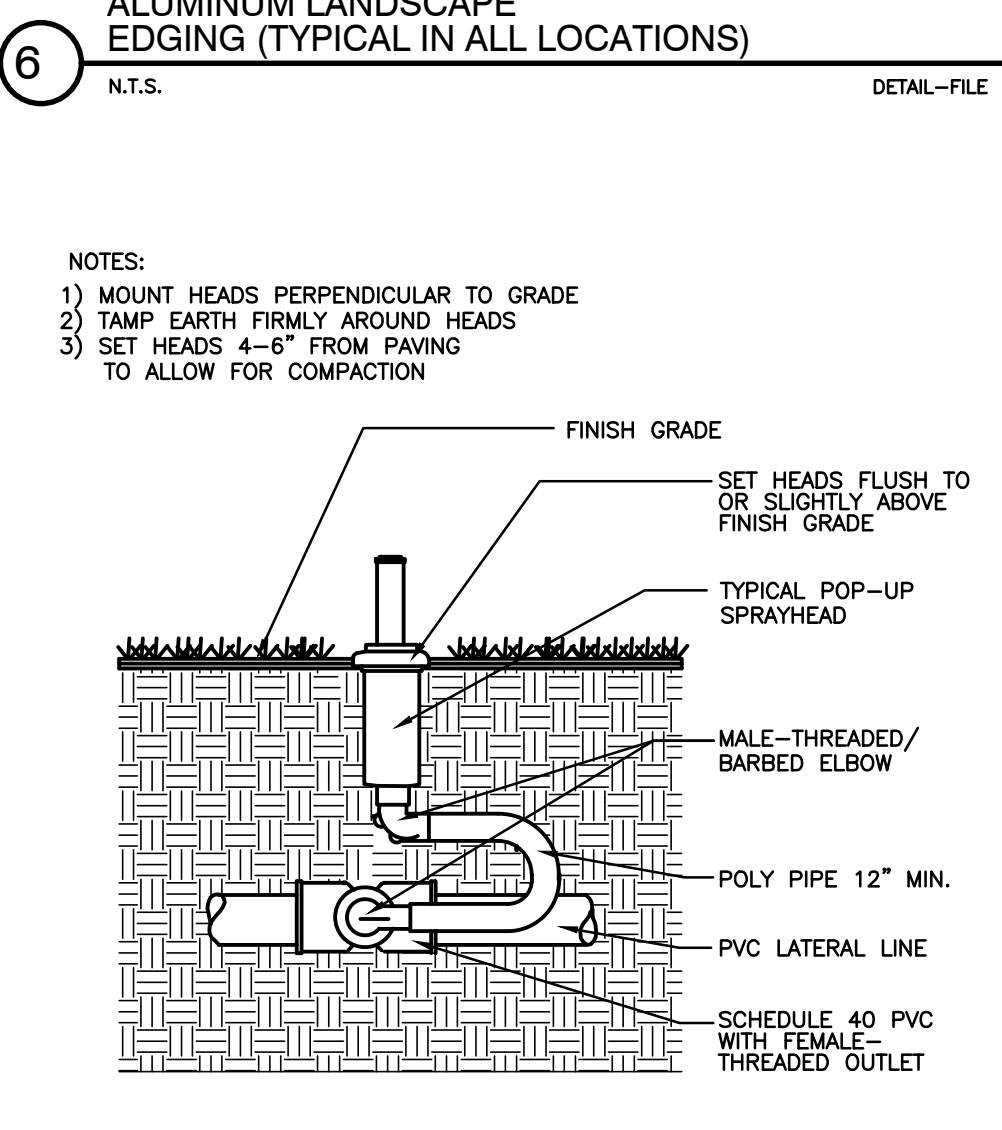
6 ALUMINUM LANDSCAPE EDGING (TYPICAL IN ALL LOCATIONS)
N.T.S.
DETAIL-FILE



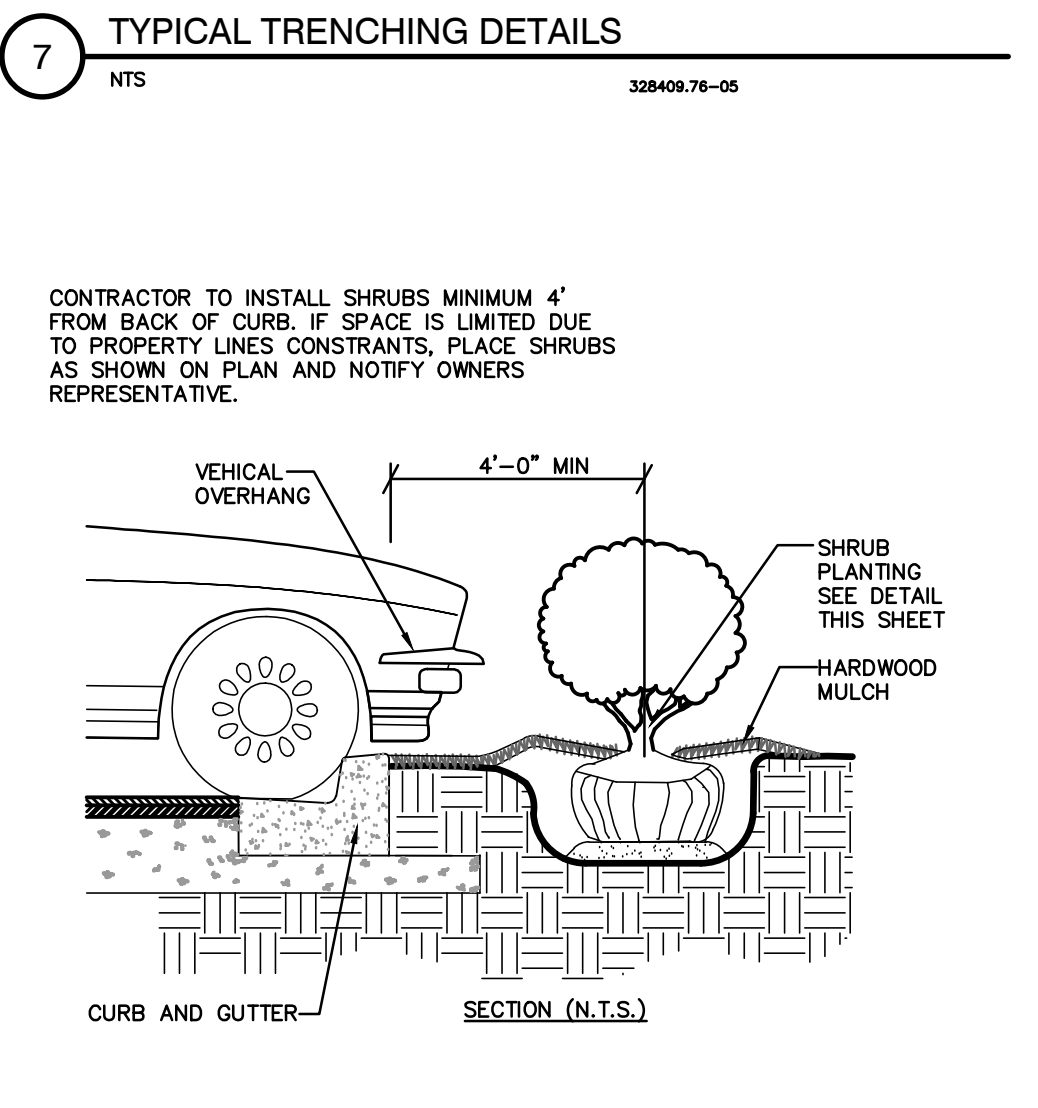
7 TYPICAL TRENCHING DETAILS
N.T.S.
329406.78-05



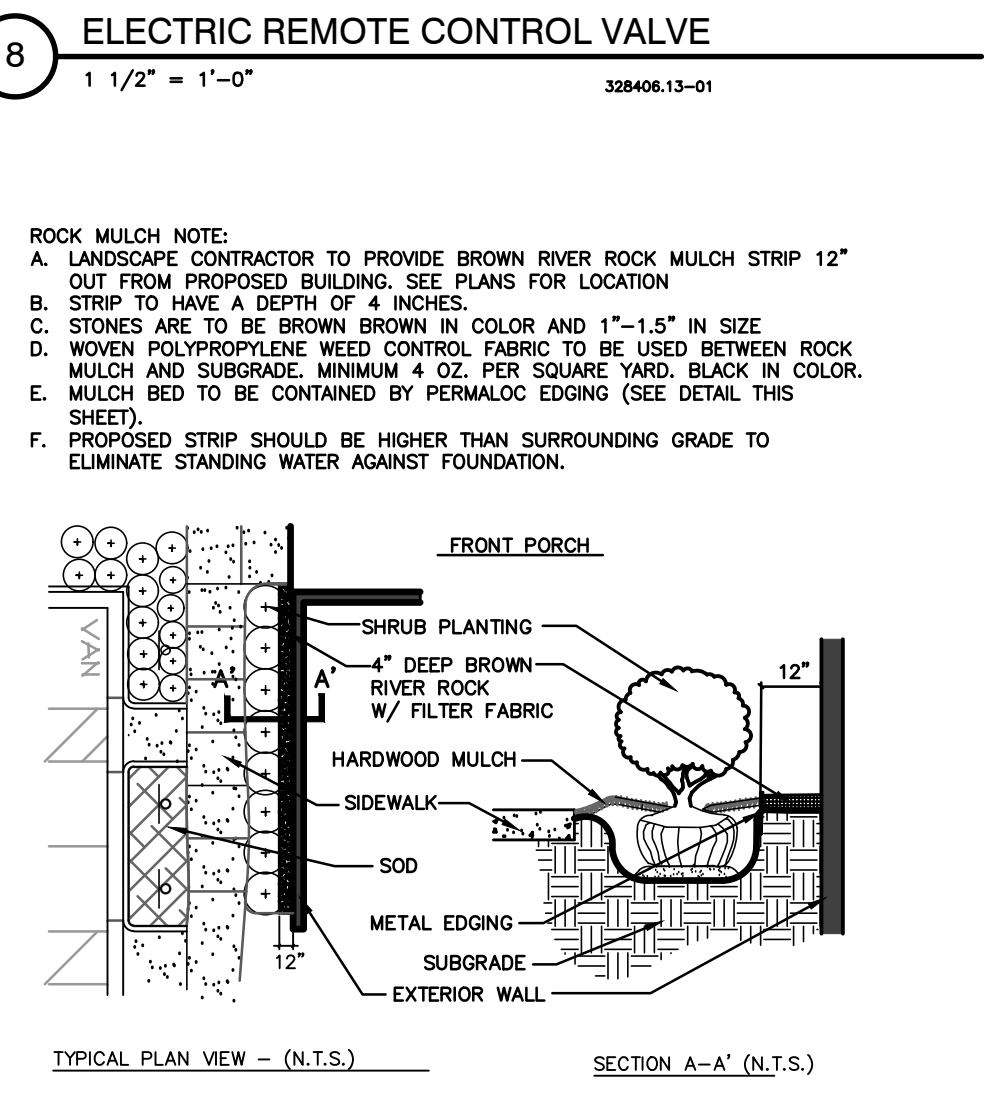
8 ELECTRIC REMOTE CONTROL VALVE
1 1/2" = 1'-0"
329406.13-01



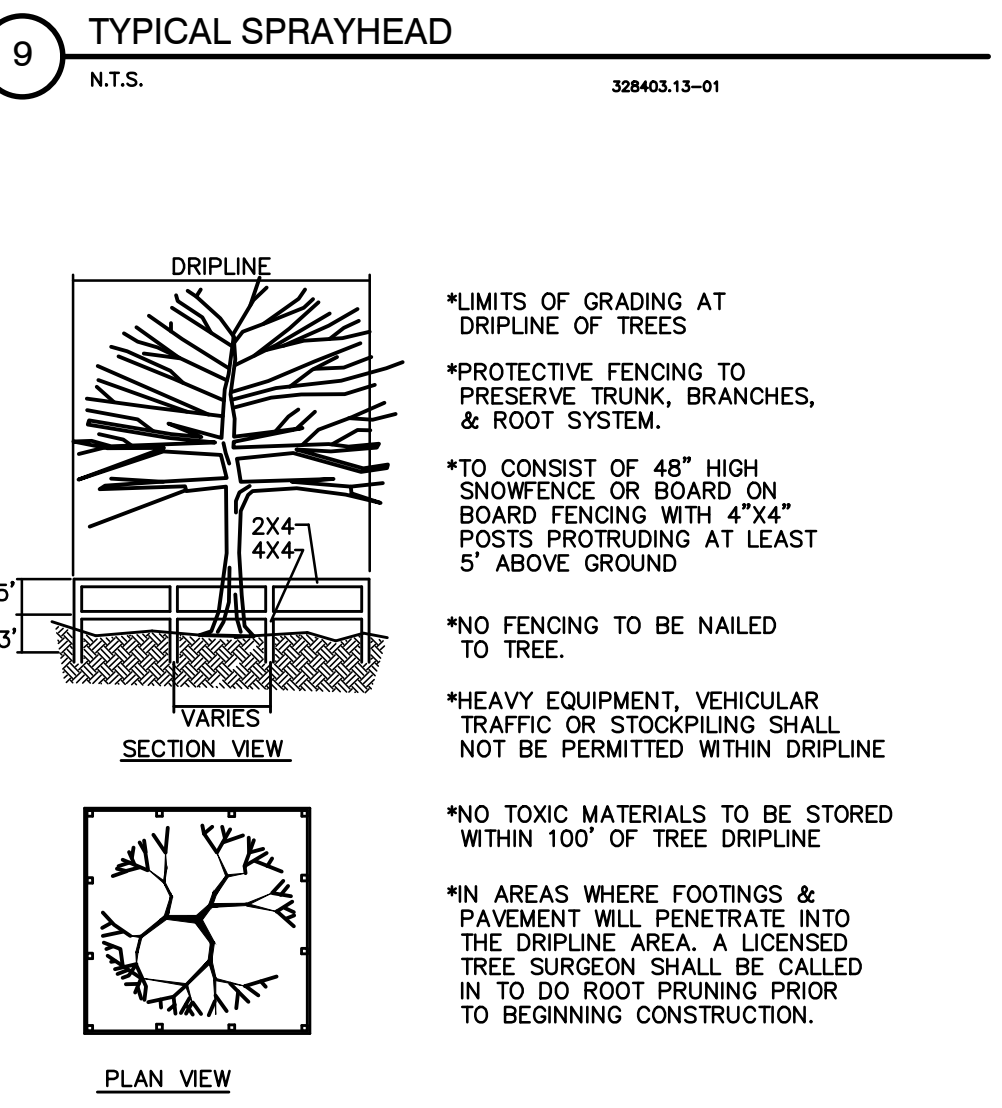
9 TYPICAL SPRAYHEAD
N.T.S.
329403.13-01



10 PERIMETER SHRUB PLANTING
N.T.S.
329433.93-01



11 ROCK MULCH BARRIER
N.T.S.
3294-03



12 TREE PROTECTION
N.T.S.
32943.32-01

GENERAL CONDITIONS

1. TERMS DEFINED
Wherever in this Contract the term "Owner" is used it shall refer to the Cracker Barrel Old Country Store, the party of the first part to this Contract. Wherever in this Contract the term "Contractor" is used, it shall refer to the party of the second part of this Contract.

2. CONTRACTOR'S UNDERSTANDING
It is understood and agreed that the Contractor has, by his examination, satisfied himself as to the nature and location of the work, the conformation of the ground, the character, quality and quantity of the materials to be encountered, the character of equipment and facilities needed preliminary to and during the prosecution of the work, the general and special conditions, and all other matters which can in any way affect the work under the Contract. No verbal agreement or conversation with any officer, representative, agent or employee of the Owner, or otherwise or after the execution of this Contract, may affect or modify any of the terms or obligations herein contained.

3. INTENT OF PLANS AND SPECIFICATIONS
All work that may be called for in the specifications and not shown in the plans, or shown on the plans and not called for in the specifications, shall be executed and furnished by the Contractor as if described in both ways, and should any work or material be required which is not denoted in the specifications or plans, the Contractor shall do such work and furnish such materials at the unit bid price where a unit bid is applicable, or where the work and material is not covered by a unit price, the Contractor shall be required to do work as hereinafter specified under "Unclassified Work", page 04-C.

4. PERMITS
Permits of a temporary nature necessary for the prosecution of the work shall be secured by the Contractor. Permits for permanent structures or permanent changes in existing facilities shall be secured by the Owner.

5. PROTECTION
Whenever the local conditions, laws or ordinances require, the Contractor shall furnish and maintain, at his own expense and cost, necessary structures or permanent changes in existing facilities and means of protection as may be required to provide safe conditions at all times.

6. RIGHTS OF VARIOUS INTEREST
Whenever work being done by Owner's forces or by other contractors is contiguous to work covered by this Contract, the respective rights of the various interests involved shall be established by Cracker Barrel's Representative to secure the completion of the various portions of the work in general harmony.

7. CONSENT TO TRANSFER
The Contractor shall NOT let or transfer this Contract or any part thereof (except for the delivery of material) without consent of the Owner, given in writing. Such consent does not release or relieve the Contractor from any of his obligations and liabilities under this Contract.

8. SITE SUPERVISION
The Contractor shall constantly supervise all the work embraced in this Contract in person or by a duly authorized manager acceptable to the Owner.

9. TIMELY DEMAND FOR INSTRUCTIONS
The Contractor shall provide reasonable and necessary opportunities and facilities for review of all phases of work covered by this Contract. He shall not proceed until he has made timely demand upon Cracker Barrel's Representative for, and has received from him, such instructions as may be necessary as the work progresses. The work shall be done in strict conformity with such instructions. The Contractor shall furnish Cracker Barrel's Representative from his force, sufficient and competent help for any field work in connection with the project which Cracker Barrel's Representative may require. The Contractor shall employ diligence and care in protecting all points and stakes approved by Cracker Barrel's Representative.

10. PLANS AND DETAILS
The Contractor shall check the drawings and in the event that errors are detected herein, shall immediately advise Cracker Barrel's Representative of such errors. The Cracker Barrel's information in a timely manner.

11. REPORT ERRORS AND DISCREPANCIES
If the Contractor, in the course of the work, finds any discrepancy between the plans and the physical conditions of the locality or any errors or omissions in plans or in the layout as given by said instructions, it shall be his duty to immediately inform Cracker Barrel's Representative, in writing, and Cracker Barrel's Representative will promptly verify the same. Any work done after such discovery, until authorized, will be done at the Contractor's risk.

12. INSPECTIONS
All work and materials shall be open to the inspection, acceptable and rejection of Cracker Barrel's Representative or his duly authorized representative at all times. The Contractor shall give Cracker Barrel's Representative reasonable notice before starting any new work, and shall provide reasonable and necessary facilities for inspection even to the extent of taking out portions of finished work.

13. DEFECTIVE WORK OR MATERIALS
The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill his Contract as herein prescribed, and defective work shall be made good and unsuitable materials may be rejected, notwithstanding that such work and materials have been previously overlooked by Cracker Barrel's Representative and accepted or estimated for payment. If the work or any part thereof shall be found defective before the final Acceptance of the work, the Contractor shall forthwith make good such defect, without compensation, in a manner satisfactory to Cracker Barrel's Representative, and if any materials brought upon the ground for use in the work or selected for same shall be condemned by Cracker Barrel's Representative as unsuitable or not in conformity with the specifications, the Contractor shall fail to replace such defective work or materials after reasonable notice, Cracker Barrel's Representative may cause such defective work or materials to be replaced and the expense thereof shall be deducted from the amount to be paid the Contractor.

14. INDEMNITY
The Contractor shall indemnify, protect and save harmless Cracker Barrel, his Representative, his Landscape Architect and their officers and agents, from all suits or claims of every name or description brought against Cracker Barrel, his Representatives, officers and/or agents for or on account of any losses, injuries or damages to persons or property received or sustained by any person or persons, or from the Contractor, his servants or agents in or on account of work done under the Contract or extensions of or additions thereto, whether caused by negligence or not, or in consequence of any negligence in guarding the same, or by or on account of any improper materials used in its construction or by or on account of any accident or of any acts of omission of the Contractor, his servants or agents, and the Contractor further agrees that so much of the money due to him under this Contract as shall be considered necessary by the Owner, may be retained until all such suits or claims for damages aforesaid have been settled, and evidence to that effect has been furnished to the satisfaction of the Owner.

15. SETTLEMENT FOR WAGES AND MATERIALS
If at any time during the progress of said work, said Contractor shall fail or neglect to pay for any labor performed, transportation charges, materials furnished, or tools, machinery, appliances, fuel, provisions, or supplies of any sort or kind used or consumed in, upon, or on account of said work, for the ten (10) days after payment for same shall become due, then the Owner shall have the power to pay for such labor, or for such transportation charges, materials, tools, machinery, appliances, fuel, provisions or supplies, and the amount so paid shall be retained out of the money due to or to become due to said Contractor, and said Owner may refuse to make the payment hereinafter mentioned to the extent of such indebtedness until satisfactory evidence in writing has been furnished and said indebtedness has been discharged. In any such case, said Owner is hereby authorized and empowered by said persons or corporations for labor, transportation charges, materials, tools, machinery, appliances, fuel, provisions or supplies of any sort or kind used or consumed upon, in or on account of work covered by this Contract in such manner upon such proof as the Owner may deem sufficient.

16. RISK
The Contractor shall take all responsibility for the work, shall bear all losses resulting to him on account of the amount and character of the work, or because the nature of the land in or upon which the work is done is different from what is assumed or what is expected, or on account of the weather, floods, or other causes until substantial Acceptance by Cracker Barrel's Representative.

17. ORDER AND DISCIPLINE
The Contractor shall at all times enforce strict discipline and good order among his employees, and any superintendent, foreman or other employee of the Contractor who shall appear to be incompetent, disorderly, or in any way disqualified or unfaithful to the work entrusted to him, or who Cracker Barrel's Representative may consider prejudicial to the prosecution of the work, shall be discharged immediately upon the request of Cracker Barrel's Representative and shall not again be employed on the work without the Owner's written consent.

18. CLEAN UP
On completion of the work, or any part thereof, all surplus material, temporary structures built by the Contractor, and/or debris resulting from construction or removal, etc., are to be removed and the site of the work left in a neat and orderly condition subject to the approval of Cracker Barrel's Representative. No special payment will be made for the removal of debris, its cost and value being covered by the price paid for the construction and materials. The work will not be accepted or the Contract considered complete until the work of cleaning up is also finished.

19. AUTHORITY OF OWNER'S AGENT
Cracker Barrel's Representative shall have the authority to reject or condemn all work or materials which do not conform to this Contract, to direct application of forces to any portion of the work which, in his judgment, requires it; to order forces increased or diminished, and to decide questions which arise between the parties relative to the execution of the work. All questions or controversies which may arise between the Contractor and Cracker Barrel's Representative under or in reference to this Contract shall be subject to the decision of the Owner, and this decision shall be final and conclusive upon both parties.

20. UNCLASSIFIED WORK
In case any work shall be required to be furnished whether specified herein or indicated on the plans or not, or whether or not such work is typical work listed in the proposal which is, in the opinion of Cracker Barrel's Representative, not susceptible of classification under the Schedule of Unit Prices, the Contractor shall and will, if ordered by Cracker Barrel's Representative, do and perform such work and furnish such materials as may be required. If possible an agreement as to the cost and payment for said additional work will be reached and agreed upon by Cracker Barrel's Representative and Contractor. In the event of failure to reach such satisfactory agreement, the Contractor may be ordered by the Owner to proceed with such work and furnish such materials on a cost plus basis, on which basis the Contractor shall receive the cost of any materials which may be required to purchase plus ten (10%) percent and the cost of any labor which he may be required to supply plus twenty (20%) percent of such net cost after tax for profit, the use of the plant, tools, superintendence, overhead, costs, and all other expenses incidental to the performance of such work and the furnishing of such materials, and the Contractor shall have no further claim in excess of the above; but this method of payment shall not apply to the performance of any work or the furnishing of any materials which in part or in whole is, in the opinion of Cracker Barrel's Representative, susceptible of classification under such schedule which work or material shall be paid for in part or in whole, as the case may be, at the Unit Price given in such schedule, except as herein otherwise expressly provided.

In case any work or material is required to be done or furnished under the provisions of this article for cost plus ten (10%) percent and twenty (20%) percent as stipulated above, the Contractor shall, at the end of each day during the process thereof, furnish to Cracker Barrel's Representative daily time slips showing the name and/or number of each workman employed thereon, the character of work his workmen are doing, and the wage paid or to be paid to him; and also a daily memorandum of the materials delivered on the work showing the amount paid and to be paid therefor. If required, the Contractor shall produce any vouchers, receipts or memoranda showing the work and materials and the price actually paid therefor. Such daily time slips and memoranda shall not, however, be binding upon the Owner and, if any question or dispute shall arise as to the correct cost of such work or material, the determination of Cracker Barrel's Representative upon such question of dispute shall be final and conclusive.

21. CHANGES
Cracker Barrel's Representative shall have the right to increase or diminish the quantities stipulated in any item, eliminate all or any item or items, add to or decrease contract quantities, without impairing the volume of this Contract, or (long as such additions, eliminations or extra work not of a type specified in any item do not increase or diminish the amount of the Contract or the quantities for such work and materials and the price actually paid therefor, regardless of the quantities shown on the bid sheet. If such alterations diminish the quality of work to be done more than the above specified percentage, they shall not constitute a claim for damages, or for loss of profits on the work to be dispensed with.

22. UNAVOIDABLE DELAYS - EXTENSION OF TIME
If the Contractor shall be delayed in the performance of the work for any cause for which Cracker Barrel's Representative is responsible, he shall, upon written application to the Owner at the time of such delay, be granted such extension of time as the Owner shall deem equitable and just.

23. SUSPENSION OF WORK
Should Cracker Barrel's Representative deem it necessary to suspend operations on the work due to severity of the weather, he may notify the Contractor in writing to suspend operations on the entire project or any part thereof, and in the event of such right being exercised, the Owner shall grant to the Contractor an extension of time equivalent to the time of the suspension of the work. The Contractor shall not be liable for the cost of the suspension of the work, and may terminate the employment of the Contractor under this Contract and take possession of the premises and of all materials, tools and appliances, thereon, and employ such forces as may be necessary to finish the work. In such case the Contractor shall receive no further payment until the work shall be finished, when, if the unpaid balance that would be due under this Contract exceeds the cost to the Owner of finishing the work, such excess shall be paid to the Contractor; but if such cost exceeds such unpaid balance the Contractor shall pay the difference to the Owner.

24. EXPEDITING WORK
a. Correcting Imperfections: If Cracker Barrel's Representative at any time be of the opinion that the Contractor is neglecting to remedy any imperfection in the work, or is not progressing with the work as fast as necessary to insure its completion within the time and as required by the Contract, or is otherwise violating any of the provisions of this Contract, said Representative shall have the power, and it shall be his duty to notify the Contractor to remedy such imperfections and/or proceed more rapidly with said work, or otherwise comply with the provisions of this Contract.
b. ANNULLMENT: In such case the Owner may give the Contractor forty-eight (48) hours written notice, and at the end of that time, if the Contractor continues to neglect the work, the Owner may provide labor and materials and deduct the cost from any money due the Contractor under this Contract; and may terminate the employment of the Contractor under this Contract and take possession of the premises and of all materials, tools and appliances, thereon, and employ such forces as may be necessary to finish the work. In such case the Contractor shall receive no further payment until the work shall be finished, when, if the unpaid balance that would be due under this Contract exceeds the cost to the Owner of finishing the work, such excess shall be paid to the Contractor; but if such cost exceeds such unpaid balance the Contractor shall pay the difference to the Owner.
c. OWNER MAY DO PART OF WORK: Upon failure of the Contractor to comply with any notice given in accordance with the provisions hereof, the Owner shall have the alternative right, instead of assuming charge of the entire work to place additional forces, tools, equipment, and materials on parts of the work for the purpose of carrying on such parts of the work, and the Contractor shall receive no payment for the work so carried on by the Owner on account of the Contractor, and Contractor shall be deemed to be carried on by the Owner on account of the Contractor, and Contractor shall be deemed to be carried on by the Owner on account of the Contractor, and Contractor shall be deemed to be carried on by the Owner on account of the Contractor. The Owner may retain the amount of the cost of such work, with seven (7%) percent a day for any such sum or sum due or to become due the Contractor under this Contract.

25. PAYMENT TO CONTRACTOR
At the end of each thirty (30) days following the date stated above as the starting date for the work under this Contract, the Contractor shall render to the Owner a statement of the quantities of work completed, how the quantities verified by Cracker Barrel's Representative. The Owner shall pay the Contractor ninety (90%) percent of the verified totals of the quantities so estimated within thirty (30) days after the time stipulated above for making said estimate.

After final inspection by Cracker Barrel's Representative and Acceptance by the Owner, the Owner shall pay to the Contractor the full amount due him under this Contract including the amounts withheld from previous payments within forty-five (45) days of said Acceptance. All prior estimates, upon which partial payments have been made being mere estimates, shall be subject to adjustment in the final certification. Before final payment is made, the Contractor shall show to the Owner satisfactory evidence that all just liens, claims and demands of his employees or from parties from whom material used in the construction of the work may have been purchased have been fully satisfied, and that the material furnished and the work done are fully released from all such liens, claims and demands.

26. ACCEPTANCE
The work shall be inspected for acceptance by Cracker Barrel's Representative within ten (10) days upon receipt of notice in writing from the Contractor that the work is ready for such inspection.

27. INSURANCE
The Contractor shall comply with the laws of the State of TEXAS, regarding employment and payment of employees, and shall maintain insurance satisfactory to the Owner to protect both himself and the Owner from claims under Workmen's Compensation act and from any other demands for personal injury, including deaths, which may arise from operations under this Contract whether such operations be by himself or by any subcontractor or anyone directly or indirectly employed by either of them. Certificates of such insurance shall be filed with Cracker Barrel's Representative and shall be subject to his approval for adequacy of protection.
The Contractor shall furnish the Owner Certificates of insurance evidencing such protection. The Contractor shall provide and maintain Workmen's Compensation Insurance for all of his employees employed at the site of the work; Public Liability and Contingent or Protective Insurance as shall protect himself and the Owner from any and all claims that may arise from operation under this Contract. The amounts of such insurance shall be as follows:
Public Liability in an amount not less than \$500,000.00 for any one injury and not less than \$1,000,000.00 for any one accident; Property Damage not less than \$500,000.00 as a result of any one accident and not less than \$1,000,000.00 for damages during the term of the policy. The Contractor shall also provide and maintain Automobile Public Liability and Property Damage Insurance such as shall protect him from bodily injury liability for not less than \$500,000.00.
The Contractor is advised that the Owner is not liable for the safety, security, or condition of his equipment or materials.

28. TIME AND RESPONSIBILITIES
The work under this Contract shall be supervised by the Cracker Barrel Old Country Store, Inc., Lebanon, Tennessee, herein call the Owner, and the Contractor shall be responsible to said corporation as well as to Cracker Barrel's Representative for the proper execution of said Contract.
The Contractor shall commence the work as directed by the Owner after Contract signing, and shall complete the work according to the Contract plans and specifications by the specified date indicated under Information for Bidders.

29. FAILURE TO COMPLETE THE WORK IN TIME SPECIFIED
Should the Contractor fail to complete the work within the time specified herein, the Owner shall withhold \$50.00 per day for each day of suitable work weather, except for Sundays and legal holidays, that the Contractor requires, after the date specified herein, to complete the work. Such monies withheld is no-wise a penalty but shall be compensation for liquidated damages, and additional cost suffered by the Owner due to failure of the Contractor to complete the work with in the time specified.

30. GUARANTEE
The Contractor shall guarantee all materials, equipment, and workmanship against defects for a period of 1 year as set forth in the following technical specifications. Any failure of materials during this period shall be replaced at no additional cost to the Owner.

CONTRACTOR TO LAYOUT LANDSCAPE BEDS AND BEDLINES USING A 1' GRID SYSTEM. THIS WILL ENABLE THE CONTRACTOR INSTALL PLANT MATERIAL AS DESIGNED BY THE LANDSCAPE ARCHITECT. IF THERE IS ANY DEVIATION FROM THE PLAN, CONTRACTOR WILL NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY. STARTING POINTS FOR CONTROL GRID ARE BASED ON EXISTING HARDSCAPE ELEMENTS. REFERENCE POINTS FOR THIS PLAN ARE BASED ON A POINT WHERE THE SIDEWALK MEETS THE FRONT PORCH.

1'-0"
5'-0"
5'-0"
1'-0"
1"=10'-0"

CONTRACTOR TO INSTALL SHRUBS MINIMUM 4" FROM BACK OF CURB. IF SPACE IS LIMITED DUE TO PROPERTY LINE CONSTRAINTS, PLACE SHRUBS AS SHOWN ON PLAN AND NOTIFY OWNERS REPRESENTATIVE.

SHRUB PLANTING SEE DETAIL THIS SHEET
HARDWOOD MULCH
CURB AND GUTTER
SECTION (N.T.S.)

FRONT PORCH
SHRUB PLANTING
4" DEEP BROWN RIVER ROCK W/ FILTER FABRIC
HARDWOOD MULCH
SIDEWALK
SOD
METAL EDGING
SUBGRADE
EXTERIOR WALL
SECTION A-A' (N.T.S.)

TYPICAL PLAN VIEW - (N.T.S.)
SECTION A-A' (N.T.S.)

PLAN VIEW

DRIPLINE
VARIES SECTION VIEW

*LIMITS OF GRADING AT DRIPLINE OF TREES
*PROTECTIVE FENCING TO PRESERVE TRUNK, BRANCHES, & ROOT SYSTEM.
*TO CONSIST OF 48" HIGH SNOWFENCE OR BOARD ON BOARD FENCING WITH 4"x4" POSTS PROTRUDING AT LEAST 5" ABOVE GROUND
*NO FENCING TO BE NAILED TO TREE.
*HEAVY EQUIPMENT, VEHICAL TRAFFIC OR STOCKPILING SHALL NOT BE PERMITTED WITHIN DRIPLINE
*NO TOXIC MATERIALS TO BE STORED WITHIN 100' OF TREE DRIPLINE
*IN AREAS WHERE FOOTINGS & PAVEMENT WILL PENETRATE INTO THE DRIPLINE AREA, A LICENSED TREE SURGEON SHALL BE CALLED TO BEGINNING CONSTRUCTION.

PROPOSED LIGHT POLE
LANDSCAPE EDGING (TYPICAL)
EXISTING TREE TO REMAIN
GRID SYSTEM
STARTING POINT FOR CONTROL GRID
EXISTING TREE TO BE REMOVED

LANDSCAPE BED LAYOUT
1"=10'-0"

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -09

CRACKER BARREL
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 76087

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Cracker Barrel

P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087

9/1/18

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DATE: 04-04-18
PROJECT NO.: LA#18133

REVISIONS

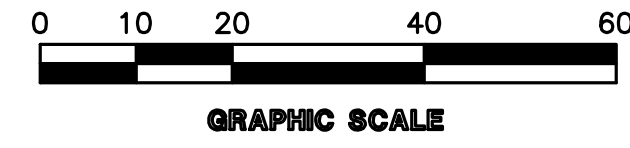
Cracker Barrel
Old Country Store

STANDARD DETAILS
LP3

Cracker Barrel

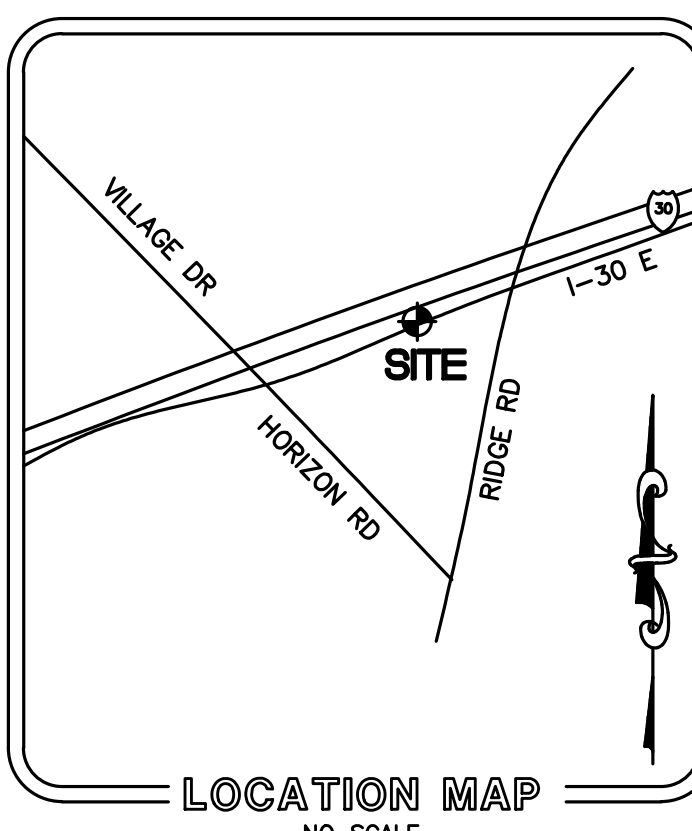
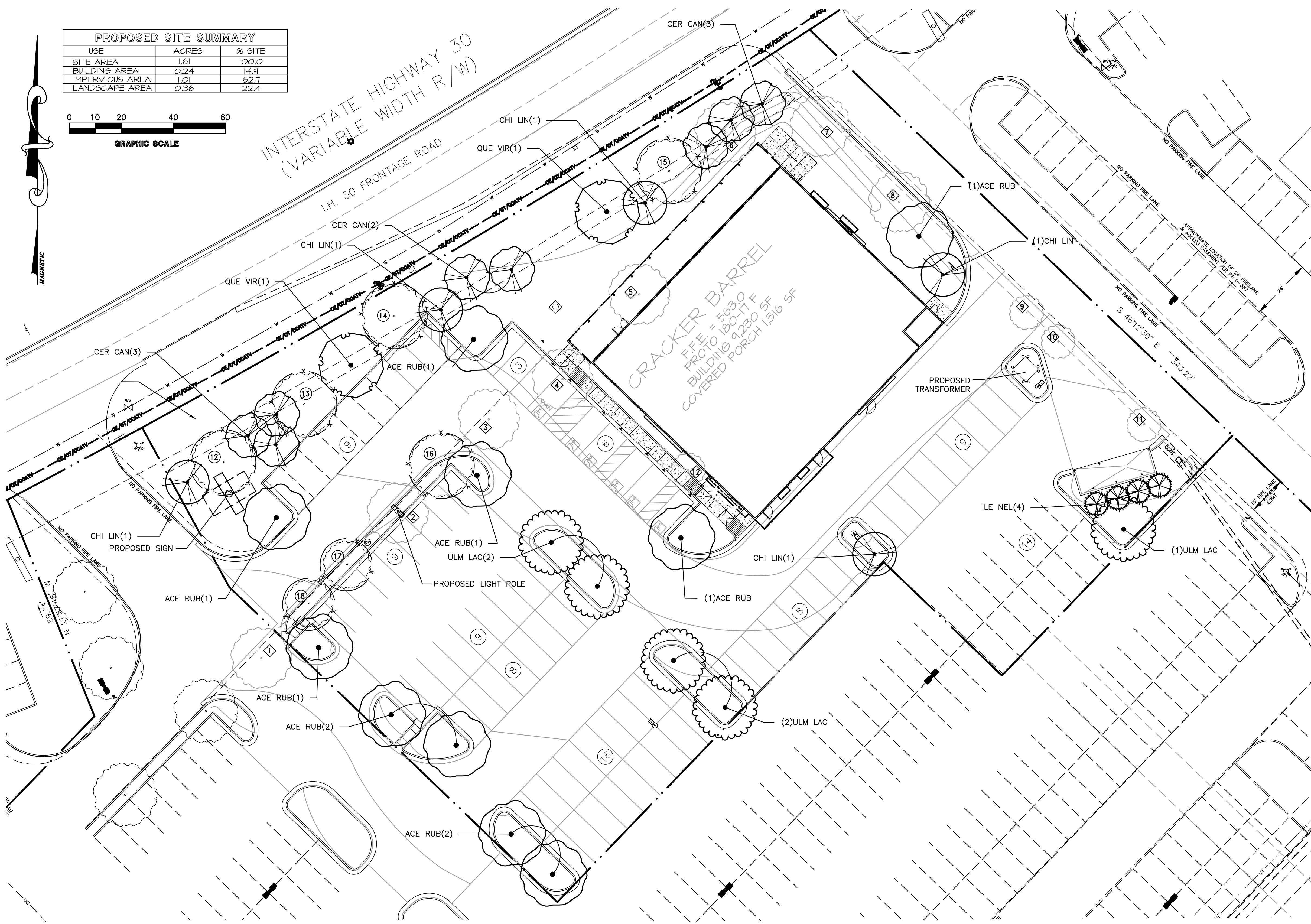
STANDARD DETAILS
LP3

PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.01	62.7
LANDSCAPE AREA	0.36	22.4



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)

I.H. 30 FRONTAGE ROAD



LEGEND	
EXISTING	PROPOSED
—	CONTOUR
—	SPOT EL.*
—	STORM SEWER
—	SANITARY SEWER
○	MANHOLE
—	CLEAN OUT
—	WATER LINE
—	OVERHEAD WIRES
—	UNDERGROUND ELEC.
—	UNDERGROUND GAS
—	CATCH BASIN
—	GATE VALVE
—	FIRE HYDRANT
—	UTILITY POLE
—	LIGHT POLE
N/A	PARKING COUNT

* SPOT ELEVATION ABBREVIATIONS:
 TC - TOP OF CURB
 FL - FLOW LINE
 TR - TOP OF RAMP
 BR - BOTTOM OF RAMP
 TLIP - TOP OF CONCRETE LIP
 BLIP - BOTTOM OF CONCRETE LIP

TREES TO BE REMOVED				
NUMBER	FACH	REF	CALIPER	
1	1	CRAPH MYRTLE	4	
2	1	OAK	18	
3	1	OAK	4	
4	1	BRADI ORD	8	
5	1	OAK	6	
6	1	BRADI ORD	14	
7	1	OAK	20	
8	1	IRBT	6	
9	1	CRAPH MYRTLE	4	
10	1	CRAPH MYRTLE	4	
11	1	CRAPH MYRTLE	4	
12	1	CRAPH MYRTLE	2	
TOTAL CALIPERS 94				

TREE MITIGATION				
FACH	REF	CALIPER	TOTAL	
10	MAPLE	4	40	
8	REDBUD	2	16	
2	WILLOW	2	10	
2	LVI OAK	4	8	
5	ELM	4	20	
TOTAL CALIPERS 94				

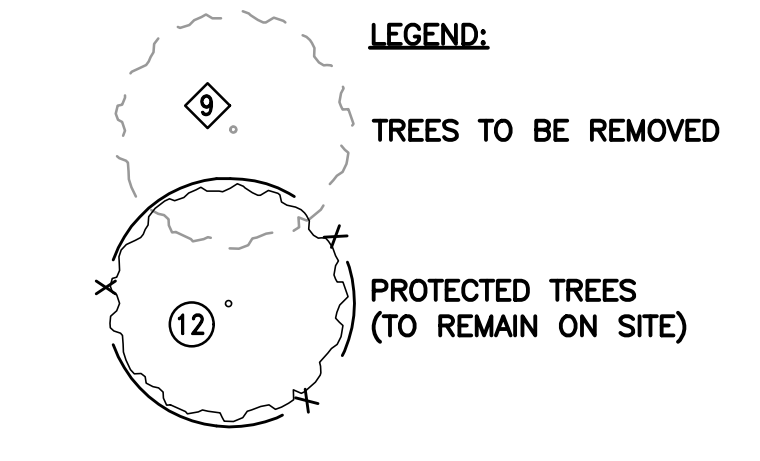
TREES TO REMAIN				
NUMBER	FACH	REF	CALIPER	
12	1	OAK	12	
13	1	OAK	20	
14	1	BRADI ORD	18	
15	1	BRADI ORD	14	
16	1	OAK	10	
17	1	BRADI ORD	4	
18	1	CRAPH MYRTLE	4	
TOTAL CALIPERS 82				

GENERAL NOTES:

- UNDERGROUND UTILITIES:
 A. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811.
 B. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE MADE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.
- CONTRACTOR IS TO VERIFY ALL QUANTITIES SHOWN ON PLAN AND IN LIST. IF DISCREPANCIES OCCUR, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
- THE LANDSCAPE CONTRACTOR WILL BE HELD FINANCIALLY LIABLE FOR ANY DAMAGE CAUSED TO NEWLY POURED CONCRETE DRIVES, CURBING, OR SIDEWALKS BY THE INSTALLATION OF THE IRRIGATION SYSTEM.
- THE LANDSCAPE CONTRACTOR IS TO PERFORM A THOROUGH CLEANUP AND QUALITY CONTROL INSPECTION WITHIN 12 HOURS PRIOR TO THE V.I.P. GRAND OPENING OF THE RESTAURANT.

PLANT SCHEDULE LANDSCAPE (ZONE 8)

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	ZONE	REMARKS
ACE RUB	10	ACER RUBRUM 'RED SUNSET'	'RED SUNSET' MAPLE	B&B	4" CAL	12'-14' HT	ZONE 7-10	MATCHED TREES
CER CAN	8	CERCIS CANADENSIS	EASTERN REDBUD	B&B	2" CAL	6'-8' HT	ZONE 4-8	MATCHED TREES
CHI LIN	5	CHILOPSIS LINEARIS	DESERT WILLOW	B&B	2" CAL	6'-8' HT	ZONE 7-9	FULL TREE
ILE NEL	4	ILEX X 'NELLIE R STEVENS'	NELLIE STEVENS HOLLY	B&B	6"-8" HT		ZONE 6-9	FULL TO GROUND
QUE VIR	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	B&B	4" CAL	10'-12' HT	ZONE 7-10	FULL TREES
ULM LAC	5	ULMUS PARVIFOLIA 'LACEBARK ELM'	CHINESE ELM TREE	B&B	4" CAL	12'-14' HT	ZONE 4-9	MATCHED TREES



LEGEND:

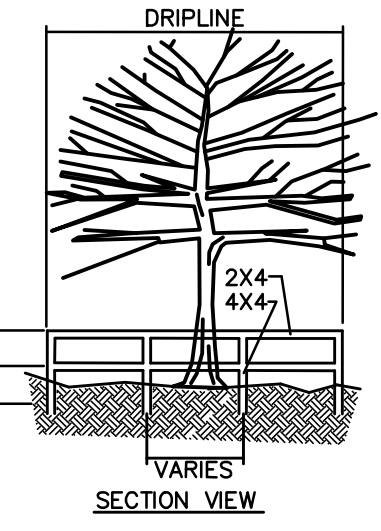
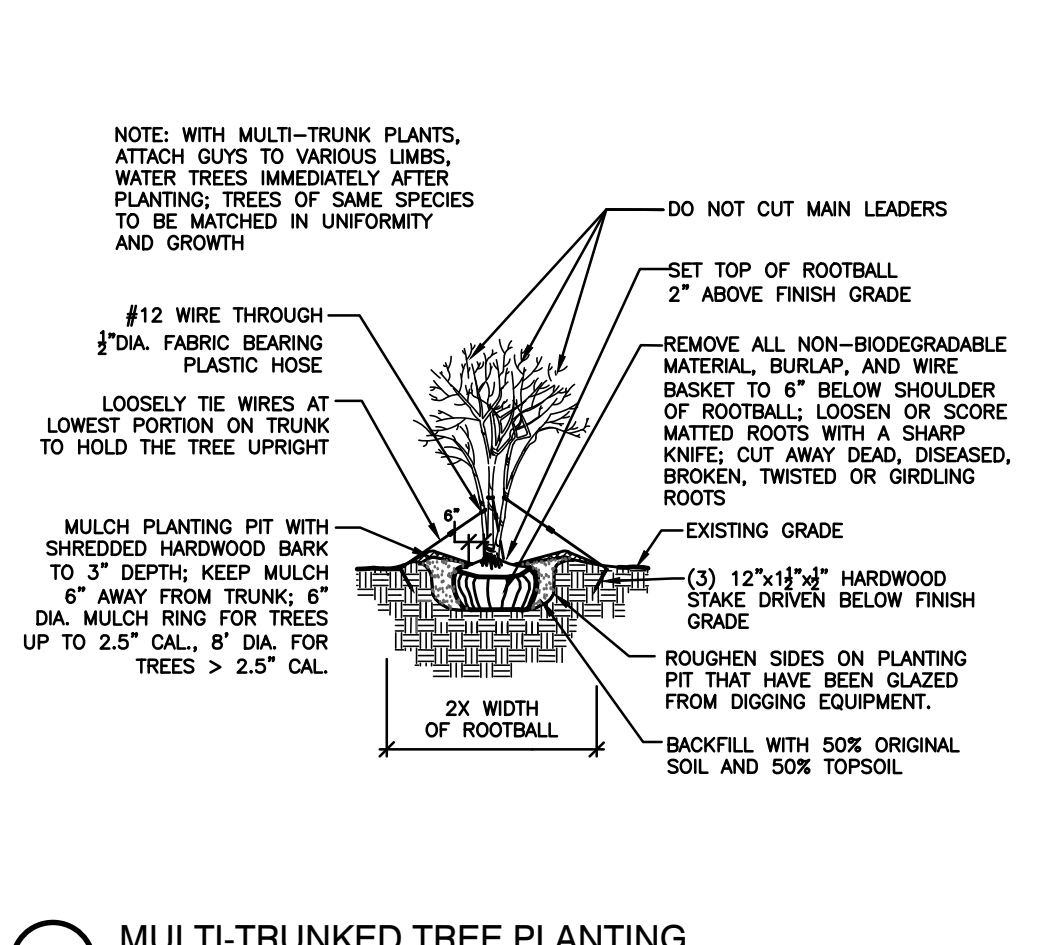
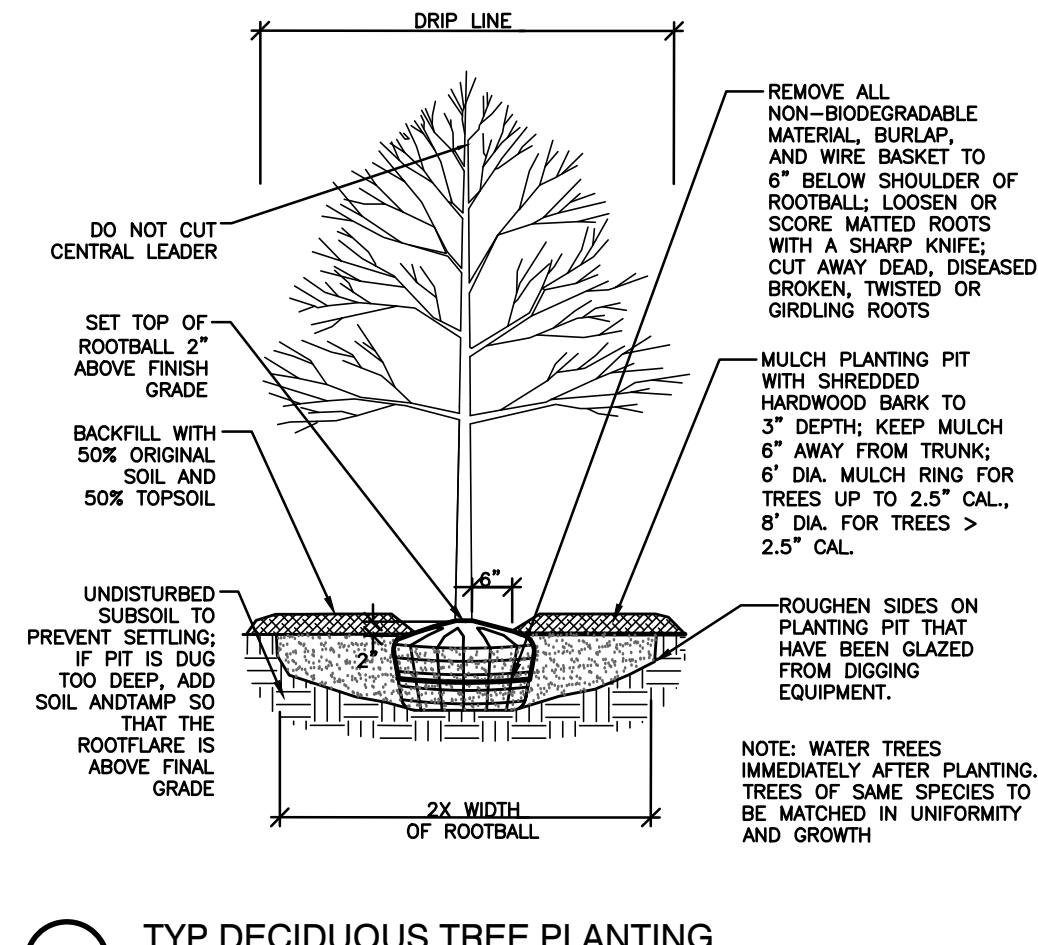
TREES TO BE REMOVED

TREES TO REMAIN ON SITE

NOTE: UNDERGROUND IRRIGATION SPRINKLER SYSTEM WILL BE PROVIDED FOR THIS SITE AND SHALL MEET ALL UDC REQUIREMENTS.

PROTECTED TREES
 TREES SHALL BE MARKED AND A DRIP LINE OF SAID TREES SHALL BE PROTECTED PRIOR TO AND DURING ALL CONSTRUCTION. SEE TREE PROTECTION DETAIL THIS SHEET.

**CRACKER BARREL
 OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER:**



*LIMITS OF GRADING AT DRIPLINE OF TREES

*PROTECTIVE FENCING TO PRESERVE TRUNK, BRANCHES, & ROOT SYSTEM.

*TO CONSIST OF 48" HIGH SNOWFENCE OR BOARD ON BOARD FENCING WITH 4x4 POSTS PROTRUDING AT LEAST 5' ABOVE GROUND

*NO FENCING TO BE NAILED TO TREE.

*HEAVY EQUIPMENT, VEHICULAR TRAFFIC OR STOCKPLING SHALL NOT BE PERMITTED WITHIN DRIPLINE

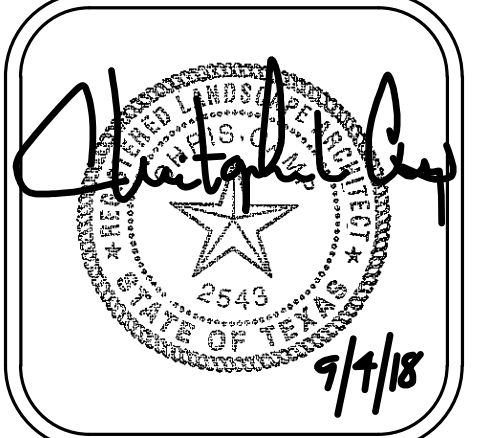
*NO TOXIC MATERIALS TO BE STORED WITHIN 100' OF TREE DRIPLINE

*IN AREAS WHERE FOOTINGS & PAVEMENT WILL PENETRATE INTO THE DRIPLINE AREA, A LICENSED TREE SURGEON SHALL BE CALLED IN TO DO ROOT PRUNING PRIOR TO BEGINNING CONSTRUCTION.

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
**CRACKER BARREL
 OLD COUNTRY STORE, INC.**
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087

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Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, Tn. 37087



LOSE DESIGN
 SPACES FOR LIFE.

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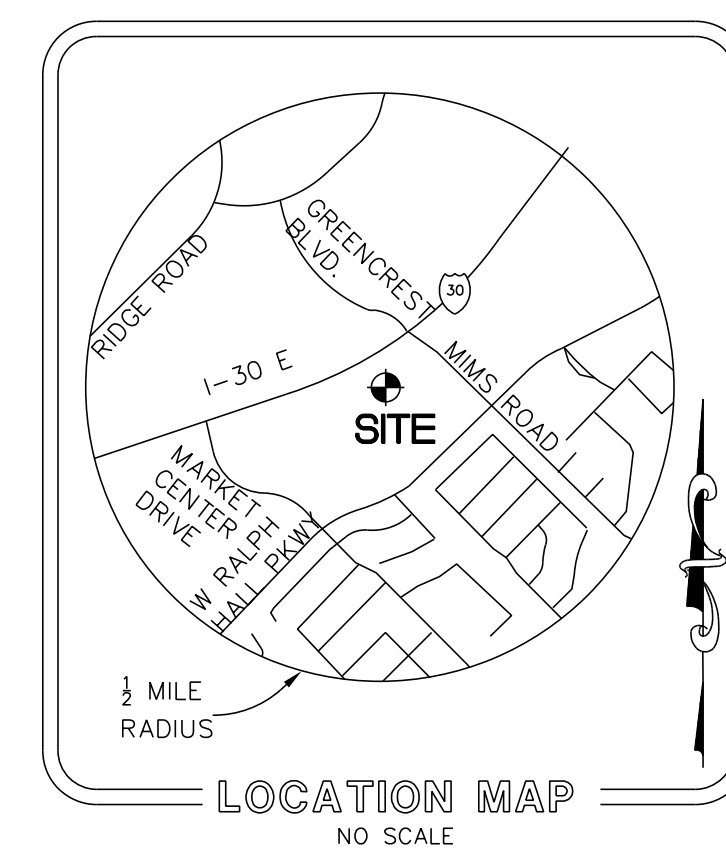
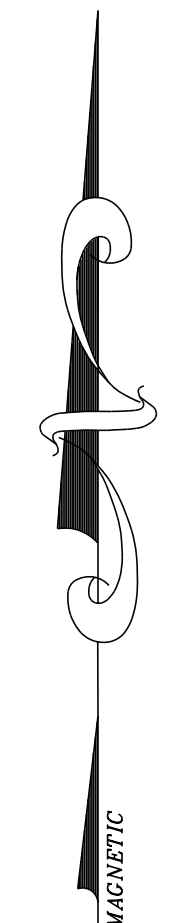
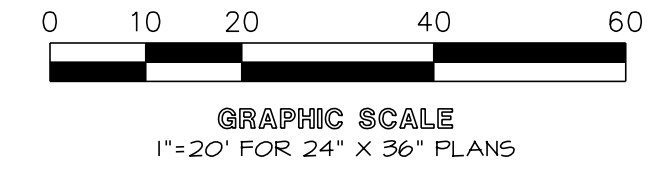
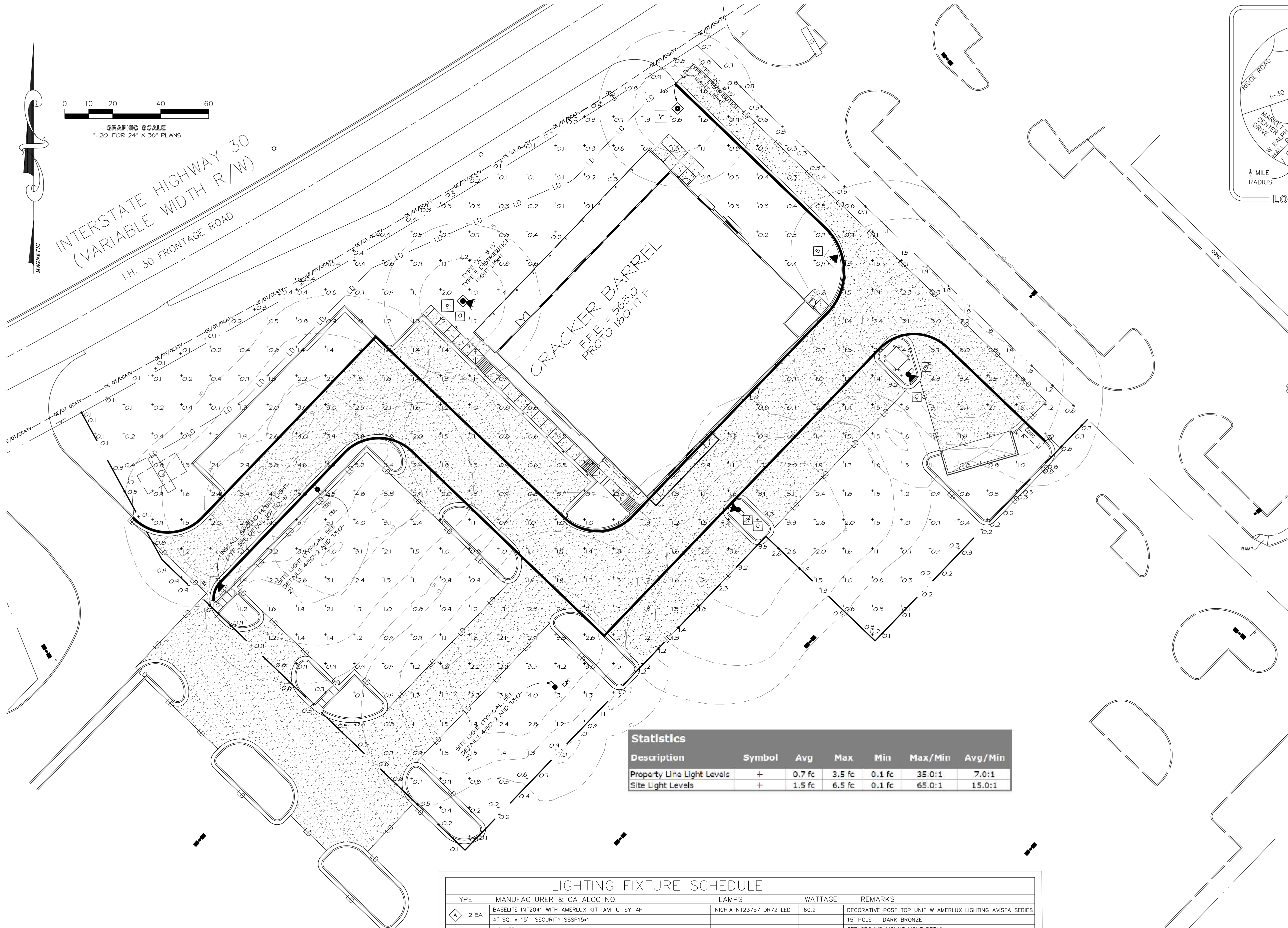
DATE: 04-04-18
 PROJECT NO.: LA18033

REVISIONS

Cracker Barrel
 Old Country Store

TREESCAPE PLAN

LPO
 PROTO 120-11F



LEGEND

EXISTING	CONTOUR	PROPOSED
==	SPOT EL.	—
— SS —	SANITARY SEWER	—
⊙	MANHOLE	⊙
N/A	CLEAN OUT	N/A
— W —	WATER LINE	—
— OE —	OVERHEAD ELEC.	N/A
N/A	UNDERGROUND ELEC.	N/A
— UG —	UNDERGROUND GAS	—
□ CBQ	CATCH BASIN	□
⊕	GATE VALVE	⊕
⊕	FIRE HYDRANT	⊕
⊕	UTILITY POLE	⊕
⊕	LIGHT POLE	⊕
N/A	PARKING COUNT	⊕

* SPOT ELEVATION ABBREVIATIONS:
 TC - TOP OF CURB
 FL - FLOOR LINE
 TR - TOP OF RAMP
 BR - BOTTOM OF RAMP
 TLIP - TOP OF CONCRETE LIP
 BLIP - BOTTOM OF CONCRETE LIP

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Property Line Light Levels	+	0.7 fc	3.5 fc	0.1 fc	35.0:1	7.0:1
Site Light Levels	+	1.5 fc	6.5 fc	0.1 fc	65.0:1	15.0:1

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG NO.	LAMPS	WATTAGE	REMARKS
A	BASELITE INT2041 WITH AMERLUX KIT AVI-U-SY-4H 4" sq. x 15" SECURITY SSSP15-1	NICHIA N123757 DR72 LED	60.2	DECORATIVE POST TOP UNIT W AMERLUX LIGHTING AVISTA SERIES 15' POLE - DARK BRONZE
B	KICHLER S16201 AZT27 - SPECIAL FACTORY INSTALLED 2700K LENS 1560IAZT - TEXTURED BRONZE FINISH	12.5W 2700K LED 35' SPREAD		SEE GROUND MOUNT LIGHT DETAIL FLANGE FOR SURFACE MOUNTING
C	EATON XTOR2A-N XTORFLD-KNC	18W 3500K LED		FLOOD LIGHT MOUNTING KIT
D	LITHONIA LIGHTING - DSX1 LED 60C 1000 40K T3M MVOLT/PIRH4V DDBXD LITHONIA LIGHTING - SSS 25 4C DM19AS DDB	LED / 40K	209	LUMINAIRE - DARK BRONZE W SENSOR AND STEP DIMMING 25' ABOVE GRADE - DARK BRONZE
E	LITHONIA LIGHTING - DSX1 LED 60C 1000 40K T3M MVOLT/PIRH4V DDBXD LITHONIA LIGHTING - SSS 25 4C DM29AS DDB	LED / 40K DOUBLE FIXTURE	418	LUMINAIRE - DARK BRONZE W SENSOR AND STEP DIMMING 25' ABOVE GRADE - DARK BRONZE DOUBLE MOUNTING 180'

LIGHTING VENDOR TO ENSURE THAT THE POLE SUPPLIED IS ADEQUATE FOR THE FIXTURE EPA AND THE DESIGN WIND SPEED NOTED ON S-2

CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PROPERTY OWNER: KOHL'S ILLINOIS, INC.
 15641000 RIDGEMOOD DRIVE
 MEMONONEE FALLS, WISCONSIN 53051
 ERIC BORKENHAGEN
 (262) 703-1000

OWNER: CBOC'S TEXAS LIMITED PARTNERSHIP
 P.O. BOX 187
 LEBANON, TENNESSEE 37088-0187
 TELEPHONE: (615) 444-5533

PLANS PREPARED BY: JAMES A. CRAIG, P.E.
 DESIGN AND ENGINEERING, INC.
 1645 WESTGATE CIRCLE
 BRENTWOOD, TENNESSEE 37027
 (615) 370-1174

CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER:

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
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Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, Tn. 37087



DATE: 04-04-16
 PROJECT NO: 11-1645

REVISIONS	
Δ	Δ
Δ	Δ
Δ	Δ
Δ	Δ

Cracker Barrel
 Old Country Store

SITE
PHOTOMETRIC PLAN

C-5
 PHOTO 180-11F

SQUARE STRAIGHT STEEL POLES

Specifications

SSP SERIES

- Square straight steel shaft
- One-piece construction
- 23/8" OD tenons, or factory-drilled side mount
- Ground lug standard (3/8" 16 thread)
- Steel base plate
- Two-piece base cover
- Four L-shaped fully galvanized anchor bolts with nuts and washers, metal template
- Finished in weatherproof powder-coat paint
- Gasketed hand hole standard



ORDERING INFORMATION

18' Pole cut down to meet the 15' Pole Spec.

Pole Catalog Number ¹	Height	Wind Load Rating ^{2,5}				Pole Size	Base Square	Anchor Bolt Size ³	Suggested Bolt Circle	Bolt Circle Range	Bolt Projection	Pole Weight ⁴ lbs
		90mph EPA	100mph EPA	110mph EPA	120mph EPA							
11 GAUGE												
SSP-4118-XXX-XX	18	13.8	10.6	8.2	6.3	4"	10.25"	3/4"	10.5"	8-11"	4"	147
SSP-4125-XXX-XX	25	6.4	4.3	2.7	1.4	4"	10.25"	3/4"	10.5"	8-11"	4"	190
SSP-5125-XXX-XX	25	8.8	5.9	3.6	1.9	5"	12"	1"	10.5"	10-13.5"	4"	231
7 GAUGE												
SSP-4725-XXX-XX	25	10.9	8.1	6.0	4.4	4"	11"	3/4"	10.5"	8-11"	4"	266
SSP-5722-XXX-XX	22	22.4	17.3	13.5	10.5	5"	12"	1"	10.5"	10-13.5"	4"	263
SSP-5728-XXX-XX	28	13.7	9.9	7.1	4.9	5"	12"	1"	10.5"	10-13.5"	4"	340
SSP-5730-XXX-XX	30	11.5	8.0	5.4	3.4	5"	12"	1"	10.5"	10-13.5"	4"	398

¹ Catalog Number, as listed, does not include tenons or machining for side mounting. Fixture mounting must be specified by substituting for all Xs in Catalog Number. Refer to Catalog Logic for top type and for mounting arrangements.

² Maximum allowable luminaire and bracketing weight is determined by multiplying the EPA values above by 30 pounds.

³ Factory supplied template must be used when setting anchor bolts. Security Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template.

⁴ Anchor bolt weights not included.

⁵ Allowable EPA loading based on AASHTO 2009 (LTS5) specification; Group II Loading, 50 year recurrence internal calculations are based on 3-second-gust wind speed data.

CATALOG LOGIC

SAMPLE CATALOG NUMBER



SERIES	
SSP	Square Straight Steel

SHAFT SIZE SQUARE / GAUGE	
41	4.0", 11 ga.
47	4.0", 7 ga.
51	5.0", 11 ga.
57	5.0", 7 ga.

NOMINAL POLE HEIGHT (in feet)	
See ordering information above ¹	

- NOTES:
- Aluminum poles available, consult factory.
 - All factory stocked poles are shipped as tenon tops unless drill mounting holes are specified.
 - Consult factory for available pole options (receptacle, mid-pole brackets, and banner mounting arm)



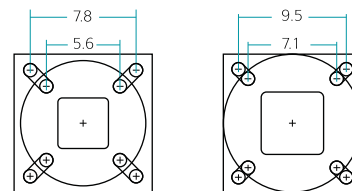
TOP TYPE	
1	23/8" OD Tenon ²
5	Removable Tenon ²
6	Side mount

MOUNTING ARRANGEMENT	
A	One Fixture
B	Two Fixtures at 90°
C	Two Fixtures at 180°
D	Three Fixtures at 90°
F	Four Fixtures at 90°
P	Tenons only

FIXTURE TYPE	
0	None, tenon only
2	ASB-F, RSB-RCS/RCL, WL, MXC, SL, CR1, CM, CM2

OPTION	
BLANK	Standard
GL	Hot Dip Galvanized

BOLT TEMPLATE



4" Square Pole

5" Square Pole

FINISH	
DB	Dark Bronze
BK	Black
WH	White
PS	Platinum Silver
00	Natural Galvanized Finish

¹ Consult factory for other available pole heights.
² Only for use with optional tenon top mounting brackets or ASB mounting brackets.

ACCESSORY: TENON TOP MOUNTING BRACKET

Catalog Number	Description
TTF-10	Single
TTF-29	Twin 90°
TTF-28	Twin 180°
TTF-39	Triple 90°
TTF-30	Triple 120°
TTF-49	Quad 90°

SQUARE STRAIGHT STEEL POLES

Specifications

SSP SERIES

- Square straight steel shaft
- One-piece construction
- 23/8" OD tenons, or factory-drilled side mount
- Ground lug standard (3/8" 16 thread)
- Steel base plate
- Two-piece base cover
- Four L-shaped fully galvanized anchor bolts with nuts and washers, metal template
- Finished in weatherproof powder-coat paint
- Gasketed hand hole standard



ORDERING INFORMATION

18' Pole cut down to meet the 15' Pole Spec.

Pole Catalog Number ¹	Height	Wind Load Rating ^{2,5}				Pole Size	Base Square	Anchor Bolt Size ³	Suggested Bolt Circle	Bolt Circle Range	Bolt Projection	Pole Weight ⁴ lbs
		90mph EPA	100mph EPA	110mph EPA	120mph EPA							
11 GAUGE												
SSP-4118-XXX-XX	18	13.8	10.6	8.2	6.3	4"	10.25"	3/4"	10.5"	8-11"	4"	147
SSP-4125-XXX-XX	25	6.4	4.3	2.7	1.4	4"	10.25"	3/4"	10.5"	8-11"	4"	190
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7 GAUGE												
SSP-4725-XXX-XX	25	10.9	8.1	6.0	4.4	4"	11"	3/4"	10.5"	8-11"	4"	266
SSP-5722-XXX-XX	22	22.4	17.3	13.5	10.5	5"	12"	1"	10.5"	10-13.5"	4"	263
SSP-5728-XXX-XX	28	13.7	9.9	7.1	4.9	5"	12"	1"	10.5"	10-13.5"	4"	340
SSP-5730-XXX-XX	30	11.5	8.0	5.4	3.4	5"	12"	1"	10.5"	10-13.5"	4"	398

¹ Catalog Number, as listed, does not include tenons or machining for side mounting. Fixture mounting must be specified by substituting for all Xs in Catalog Number. Refer to Catalog Logic for top type and for mounting arrangements.

² Maximum allowable luminaire and bracketing weight is determined by multiplying the EPA values above by 30 pounds.

³ Factory supplied template must be used when setting anchor bolts. Security Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template.

⁴ Anchor bolt weights not included.

⁵ Allowable EPA loading based on AASHTO 2009 (LTS5) specification; Group II Loading, 50 year recurrence internal calculations are based on 3-second-gust wind speed data.

CATALOG LOGIC

SAMPLE CATALOG NUMBER



SERIES	
SSP	Square Straight Steel

SHAFT SIZE SQUARE / GAUGE	
41	4.0", 11 ga.
47	4.0", 7 ga.
51	5.0", 11 ga.
57	5.0", 7 ga.

NOMINAL POLE HEIGHT (in feet)	
See ordering information above ¹	

- NOTES:
- Aluminum poles available, consult factory.
 - All factory stocked poles are shipped as tenon tops unless drill mounting holes are specified.
 - Consult factory for available pole options (receptacle, mid-pole brackets, and banner mounting arm)



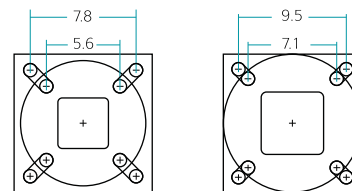
TOP TYPE	
1	23/8" OD Tenon ²
5	Removable Tenon ²
6	Side mount

MOUNTING ARRANGEMENT	
A	One Fixture
B	Two Fixtures at 90°
C	Two Fixtures at 180°
D	Three Fixtures at 90°
F	Four Fixtures at 90°
P	Tenons only

FIXTURE TYPE	
0	None, tenon only
2	ASB-F, RSB-RCS/RCL, WL, MXC, SL, CR1, CM, CM2

OPTION	
BLANK	Standard
GL	Hot Dip Galvanized

BOLT TEMPLATE



4" Square Pole

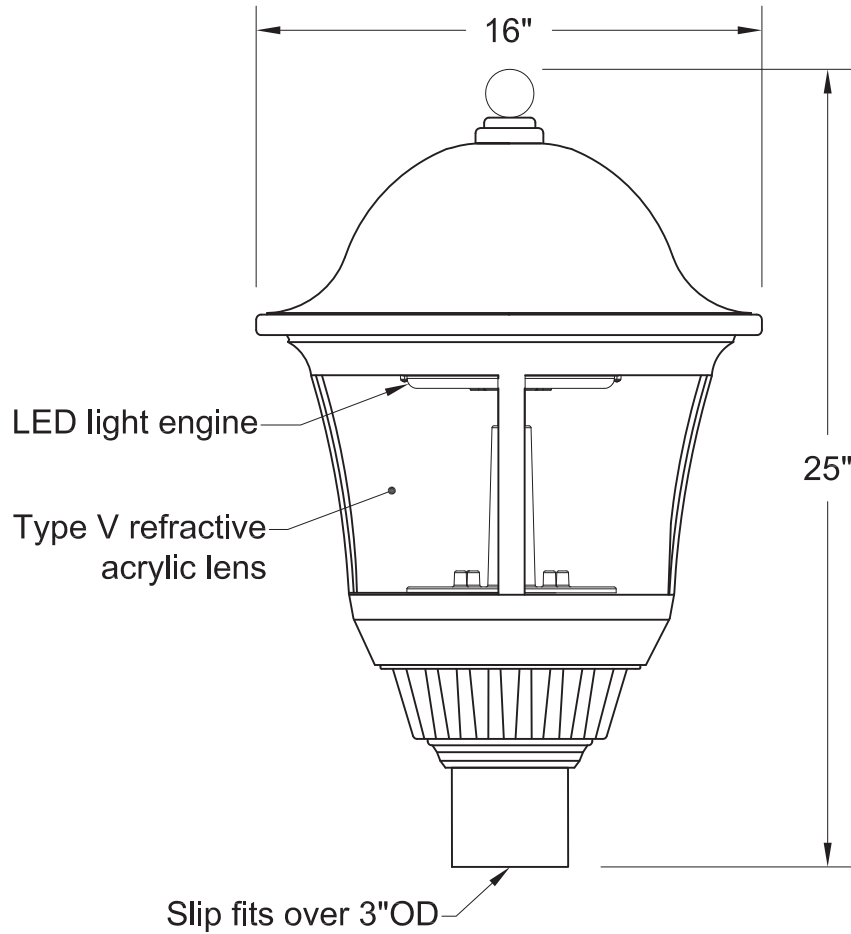
5" Square Pole

FINISH	
DB	Dark Bronze
BK	Black
WH	White
PS	Platinum Silver
00	Natural Galvanized Finish

¹ Consult factory for other available pole heights.
² Only for use with optional tenon top mounting brackets or ASB mounting brackets.

ACCESSORY: TENON TOP MOUNTING BRACKET

Catalog Number	Description
TTF-10	Single
TTF-29	Twin 90°
TTF-28	Twin 180°
TTF-39	Triple 90°
TTF-30	Triple 120°
TTF-49	Quad 90°



Approved By _____ Date _____



NOTICE: THIS DRAWING IS FOR REFERENCE ONLY. CHECK FOR LATEST REVISION PRIOR TO ORDERING. THIS DRAWING SHOULD ACCOMPANY YOUR ORDER. THANK YOU

<p><u>DATE</u> 4/11/2016</p>	<p><u>PART STRING</u> D265-T5/AVI-SY-4H/FIN-BALL 1.5"/STANDARD FINISH</p>		<p><u>FILE NAME</u> CRACKER BARREL POST TOP LED_537686.dwg</p>	
<p><u>QUOTE #/ SO #</u> 537686</p>			<p><u>NOTES</u></p>	
<p><u>JOB NAME:</u> CRACKER BARREL POST TOP LED</p>	<p><u>LIGHT SOURCE</u> ● LED</p>	<p><u>VOLTAGE</u> ● 120-277V</p>	<p><u>DRAWN BY</u> JM</p>	<p><u>REVISION</u></p>
<p>www.amerluxexterior.com 3450 S. SAM HOUSTON PARKWAY E. SUITE 400 HOUSTON, TX. 77047 PHONE: (281) 997-5400 FAX: (281) 997-5441 TOLL FREE: (800) 364-0098</p>	<p><u>LIGHT DISTRIBUTION</u> ● Type V</p>	<p><u>FINISH</u> ● STD Standard finish</p>	<p><u>GENERAL:</u> EXTERIOR HARDWARE WILL BE STAINLESS STEEL. ELECTRICAL COMPONENTS WILL BE ETL LISTED "SUITABLE FOR WET LOCATIONS."</p>	



EXTERIOR LIGHTING GROUP



FEATURES & SPECIFICATIONS

INTENDED USE — Square straight steel pole for up to 39-foot mounting height.

CONSTRUCTION — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

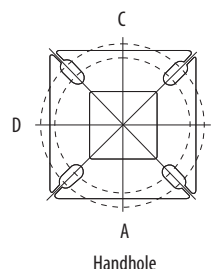
ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example: SSS 20 5C DM19 DDB**

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting ¹	Options	Finish ¹⁰	
SSS	10 – 39 feet (See back page.) 25'	(See back page.)	<p>Tenon mounting</p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p>Drill mounting²</p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p>CSX/DSX/AERIS™/OMERO™ Drill mounting²</p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p>AERIS™ Suspend drill mounting^{2,3}</p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p>OMERO™ Suspend drill mounting^{2,3}</p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p>Shipped installed</p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)^{4,5}</p> <p>FDLxx Festoon outlet less electrical⁴</p> <p>CPL12xx 1/2" coupling⁴</p> <p>CPL34xx 3/4" coupling⁴</p> <p>CPL1xx 1" coupling⁴</p> <p>NPL12xx 1/2" threaded nipple⁴</p> <p>NPL34xx 3/4" threaded nipple⁴</p> <p>NPL1xx 1" threaded nipple⁴</p> <p>EHHxx Extra handhole^{4,6}</p> <p>MAEX Match existing⁷</p> <p>USPOM United States point of manufacture⁸</p> <p>IC Interior coating⁹</p>	<p>Standard colors</p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p>Classic colors</p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p>Architectural colors (powder finish)¹⁰</p>

NOTES:

- 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.
- The drilling template 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.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

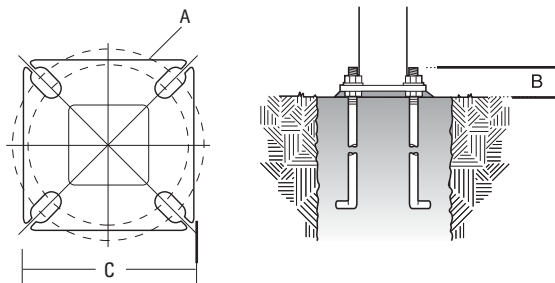
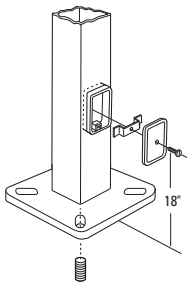
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective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

SSS Square Straight Steel Poles

TECHNICAL INFORMATION

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

BASE DETAIL



POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



d#series

D-Series Size 1 LED Area Luminaire



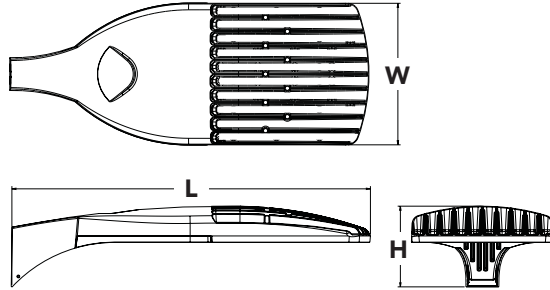
Catalog Number	DSX1-LED-60C-1000-40K-T3M-MVOLT
Notes	
Type	

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

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100 – 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.



Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)

Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
	DSX1 LED	Forward optics	530 530 mA	30K 3000 K	T1S Type I Short	MVOLT ³	Shipped included
		30C 30 LEDs (one engine)	700 700 mA	40K 4000 K	T2S Type II Short	120 ³	SPA Square pole mounting
		40C 40 LEDs (two engines)	1000 1000 mA (1 A)	50K 5000 K	T2M Type II Medium	208 ³	RPA Round pole mounting
		60C 60 LEDs (two engines)		AMBPC Amber phosphor converted ²	T3S Type III Short	240 ³	WBA Wall bracket
		Rotated optics ¹			T3M Type III Medium	277 ³	SPUMBA Square pole universal mounting adaptor ⁵
		60C 60 LEDs (two engines)			T4M Type IV Medium	347 ⁴	RPUMBA Round pole universal mounting adaptor ⁵
						480 ⁴	Shipped separately
							KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁶

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) ⁷	HS House-side shield ¹⁶	DBLXD Black
PER5 Five-wire receptacle only (no controls) ^{7,8}	WTB Utility terminal block ¹⁷	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) ^{7,8}	SF Single fuse (120, 277, 347V) ¹⁸	DWHXD White
DMG 0-10V dimming driver (no controls) ⁹	DF Double fuse (208, 240, 480V) ¹⁸	DBTDXD Textured dark bronze
DCR Dimmable and controllable via ROAM® (no controls) ¹⁰	L90 Left rotated optics ¹⁹	DBL BXD Textured black
DS Dual switching ^{11,12}	R90 Right rotated optics ¹⁹	DNATXD Textured natural aluminum
PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		DWHGXD Textured white
PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹³		
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ¹³		
BL30 Bi-level switched dimming, 30% ^{12,14}		
BL50 Bi-level switched dimming, 50% ^{12,14}		
PNMTDD3 Part night, dim till dawn ¹⁵		
PNMT5D3 Part night, dim 5 hrs ¹⁵		
PNMT6D3 Part night, dim 6 hrs ¹⁵		
PNMT7D3 Part night, dim 7 hrs ¹⁵		
	(PIRH4V)	

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
SC U	Shorting cap ²⁰
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

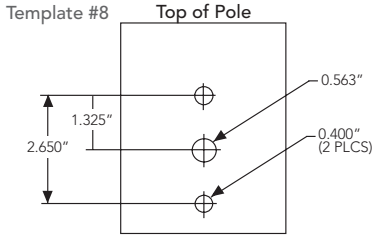
NOTES

- Rotated optics available with 60C only.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net. N/A with DS, PER5, PER7, BL30, BL50 or PNMT options.
- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the **SensorSwitch SBGR-10-ODP** control; PIRH and PIRH1FC3V specify the **SensorSwitch SBGR-6-ODP** control; see **Motion Sensor Guide** for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

For more control options, visit [DTL](#) and [ROAM](#) online.



Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.
**Far round pole mounting (RPA) only.

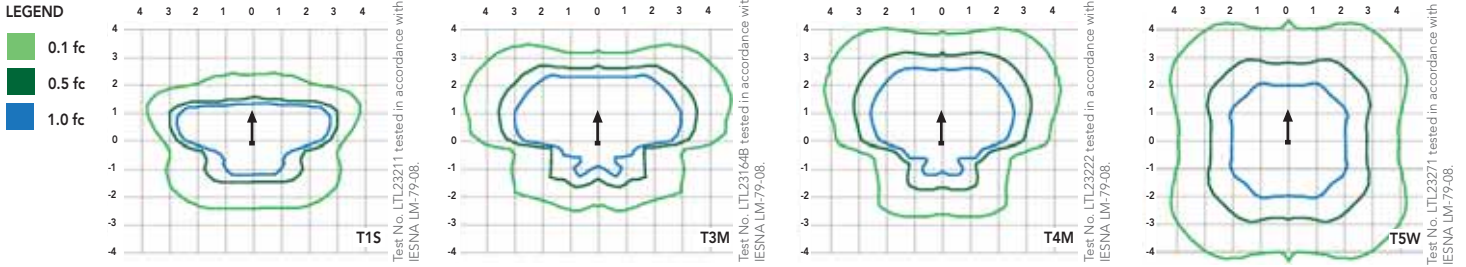
Tenon Mounting Slipfitter**

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's **D-Series Area Size 1** homepage.

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

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	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

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.

LEDs	Drive Current (mA)	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		
30C (30 LEDs)	700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67		
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70		
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68		
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69		
			T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
			T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
			TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
			TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
			TSS	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
			TSM	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
			TSW	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
			1000 mA	105 W	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106					
					T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110					
					T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107					
	T3S	10,395			2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490			2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632			2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473			2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064			3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
	TSS	11,145			3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115							
	TSM	11,165			3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115							
	TSW	11,001			3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113							
	700 mA	89 W			T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	103	6,014	1	0	1	68
					T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	106	6,299	2	0	2	71
					T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	104	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	103	6,229	1	0	2	70		
			T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	104	6,198	2	0	2	70		
			T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	106	6,209	1	0	2	70		
TFTM			10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	104	6,115	1	0	2	69			
TSVS			10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	110	6,490	2	0	0	73			
TSS			10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	111	6,411	2	0	0	72			
TSM			10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	111	6,492	3	0	1	73			
TSW			10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	109	6,311	3	0	2	71			
1000 mA			138 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107						
				T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
				T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
	T3S	13,739		2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108								
	T3M	13,864		2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
	T4M	14,052		2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
	TFTM	13,842		2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108								
	TSVS	14,623		3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115								
	TSS	14,731		3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
	TSM	14,757		4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
	TSW	14,540		4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
	60C (60 LEDs)	700 mA		131 W	T1S	14,694	2	0	2	106	15,779	3	0	3	114	15,877	3	0	3	115	8,952	2	0	2	68
					T2S	15,150	3	0	3	110	16,269	3	0	3	118	16,370	3	0	3	119	9,377	2	0	2	72
					T2M	14,803	2	0	3	107	15,896	3	0	3	115	15,995	3	0	3	116	9,072	2	0	2	69
T3S			14,785		2	0	2	107	15,877	3	0	3	115	15,976	3	0	3	116	9,273	2	0	2	71		
T3M			14,919		2	0	2	108	16,021	3	0	3	116	16,121	3	0	3	117	9,227	2	0	2	70		
T4M			15,122		2	0	2	110	16,238	3	0	3	118	16,340	3	0	3	118	9,243	2	0	2	71		
TFTM			14,896		2	0	3	108	15,996	2	0	3	116	16,096	2	0	3	117	9,103	2	0	2	69		
TSVS			15,736		3	0	1	114	16,898	4	0	1	122	17,004	4	0	1	123	9,661	3	0	1	74		
TSS			15,852		3	0	1	115	17,022	4	0	1	123	17,129	4	0	1	124	9,544	3	0	1	73		
TSM			15,880		4	0	2	115	17,052	4	0	2	124	17,159	4	0	2	124	9,665	3	0	2	74		
TSW			15,647		4	0	2	113	16,802	4	0	2	122	16,907	4	0	2	123	9,395	4	0	2	72		
1000 mA			209 W		T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104					
					T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107					
					T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105					
		T3S		20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
		T3M		20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
		T4M		20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
		TFTM		20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
		TSVS		21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
		TSS		21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
		TSM		21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
		TSW		21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 (1.2 ft²) 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 standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 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 configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 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 or 6kV 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, 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.



FEATURES & SPECIFICATIONS

INTENDED USE — Square straight steel pole for up to 39-foot mounting height.

CONSTRUCTION — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

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

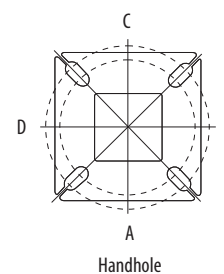
Example: SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting ¹	Options	Finish ¹⁰	
SSS	10 – 39 feet (See back page.) 25'	(See back page.)	<p>Tenon mounting</p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p>Drill mounting²</p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p>CSX/DSX/AERIS™/OMERO™ Drill mounting²</p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p>AERIS™ Suspend drill mounting^{2,3}</p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p>OMERO™ Suspend drill mounting^{2,3}</p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p>Shipped installed</p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)^{4,5}</p> <p>FDLxx Festoon outlet less electrical⁴</p> <p>CPL12xx 1/2" coupling⁴</p> <p>CPL34xx 3/4" coupling⁴</p> <p>CPL1xx 1" coupling⁴</p> <p>NPL12xx 1/2" threaded nipple⁴</p> <p>NPL34xx 3/4" threaded nipple⁴</p> <p>NPL1xx 1" threaded nipple⁴</p> <p>EHHxx Extra handhole^{4,6}</p> <p>MAEX Match existing⁷</p> <p>USPOM United States point of manufacture⁸</p> <p>IC Interior coating⁹</p>	<p>Standard colors</p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p>Classic colors</p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p>Architectural colors (powder finish)¹⁰</p>

NOTES:

- 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.
- The drilling template 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.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

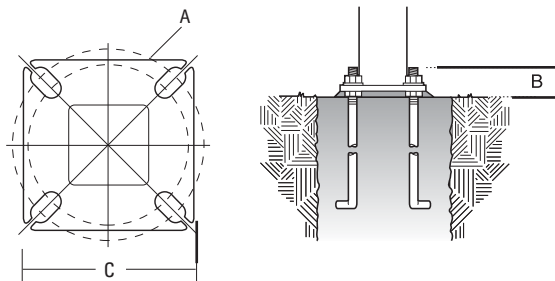
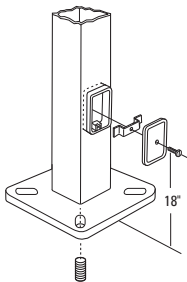
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective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

SSS Square Straight Steel Poles

TECHNICAL INFORMATION

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

BASE DETAIL



POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABS55-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABS55-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABS55-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



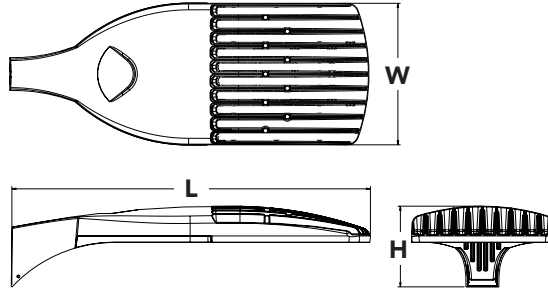
d#series

D-Series Size 1 LED Area Luminaire



Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



Catalog Number **DSX1-LED-60C-1000-40K-T3M-MVOLT**

Notes

Type

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

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100 – 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	Forward optics	30C 30 LEDs (one engine)	530 530 mA	30K 3000 K	T1S Type I Short	MVOLT ³	Shipped included
		40C 40 LEDs (two engines)	700 700 mA	40K 4000 K	T2S Type II Short	120 ³	SPA Square pole mounting
		60C 60 LEDs (two engines)	1000 1000 mA (1 A)	50K 5000 K	T2M Type II Medium	208 ³	RPA Round pole mounting
	Rotated optics ¹	60C 60 LEDs (two engines)		AMBPC Amber phosphor converted ²	T3S Type III Short	240 ³	WBA Wall bracket
					T3M Type III Medium	277 ³	SPUMBA Square pole universal mounting adaptor ⁵
					T4M Type IV Medium	347 ⁴	RPUMBA Round pole universal mounting adaptor ⁵
						480 ⁴	Shipped separately
							KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁶

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) ⁷	HS House-side shield ¹⁶	DBLXD Black
PER5 Five-wire receptacle only (no controls) ^{7,8}	WTB Utility terminal block ¹⁷	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) ^{7,8}	SF Single fuse (120, 277, 347V) ¹⁸	DWHXD White
DMG 0-10V dimming driver (no controls) ⁹	DF Double fuse (208, 240, 480V) ¹⁸	DBTDXD Textured dark bronze
DCR Dimmable and controllable via ROAM® (no controls) ¹⁰	L90 Left rotated optics ¹⁹	DBL BXD Textured black
DS Dual switching ^{11,12}	R90 Right rotated optics ¹⁹	DNATXD Textured natural aluminum
PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		DWHGXD Textured white
PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹³		
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ¹³		
BL30 Bi-level switched dimming, 30% ^{12,14}		
BL50 Bi-level switched dimming, 50% ^{12,14}		
PNMTDD3 Part night, dim till dawn ¹⁵		
PNMT5D3 Part night, dim 5 hrs ¹⁵		
PNMT6D3 Part night, dim 6 hrs ¹⁵		
PNMT7D3 Part night, dim 7 hrs ¹⁵		
		(PIRH4V)

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
SCU	Shorting cap ²⁰
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

For more control options, visit [DTL](#) and [ROAM](#) online.

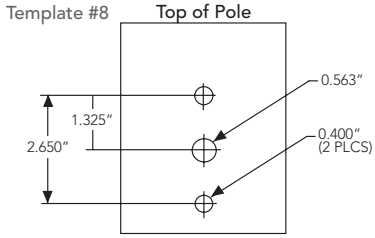
NOTES

- Rotated optics available with 60C only.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net. N/A with DS, PER5, PER7, BL30, BL50 or PNMT options.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the [SensorSwitch SBGR-10-ODP](#) control; PIRH and PIRH1FC3V specify the [SensorSwitch SBGR-6-ODP](#) control; see [Motion Sensor Guide](#) for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.



Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**Far round pole mounting (RPA) only.

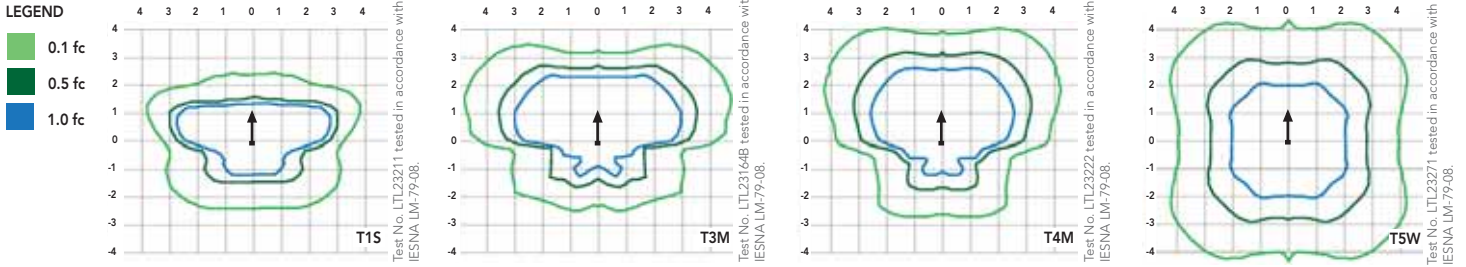
Tenon Mounting Slipfitter **

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

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	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

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.

LEDs	Drive Current (mA)	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			
30C (30 LEDs)	700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67			
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70			
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68			
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69			
			T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69			
			T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69			
			TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68			
			TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72			
			TSS	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72			
			TSM	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72			
			TSW	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70			
			1000 mA	105 W	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106						
					T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110						
					T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107						
	T3S	10,395			2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107								
	T3M	10,490			2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108								
	T4M	10,632			2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109								
	TFTM	10,473			2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108								
	TSVS	11,064			3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114								
	TSS	11,145			3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115								
	TSM	11,165			3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115								
	TSW	11,001			3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113								
	40C (40 LEDs)	700 mA			89 W	T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	103	6,014	1	0	1	68
						T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	106	6,299	2	0	2	71
						T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	104	6,094	2	0	2	68
			T3S	10,046		2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	103	6,229	1	0	2	70		
			T3M	10,137		2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	104	6,198	2	0	2	70		
			T4M	10,275		2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	106	6,209	1	0	2	70		
TFTM			10,122	2		0	2	114	10,869	2	0	2	122	10,937	2	0	2	104	6,115	1	0	2	69			
TSVS			10,693	3		0	1	120	11,482	3	0	1	129	11,554	3	0	1	110	6,490	2	0	0	73			
TSS			10,771	3		0	1	121	11,566	3	0	1	130	11,639	3	0	1	111	6,411	2	0	0	72			
TSM			10,790	3		0	2	121	11,587	4	0	2	130	11,659	4	0	2	111	6,492	3	0	1	73			
TSW			10,632	3		0	2	119	11,417	4	0	2	128	11,488	4	0	2	109	6,311	3	0	2	71			
1000 mA			138 W	T1S		13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107						
				T2S		14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
				T2M		13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
		T3S		13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108								
		T3M		13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
		T4M		14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
		TFTM		13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108								
		TSVS		14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115								
		TSS		14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
		TSM		14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
		TSW		14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
		60C (60 LEDs)		700 mA	131 W	T1S	14,694	2	0	2	106	15,779	3	0	3	114	15,877	3	0	3	115	8,952	2	0	2	68
						T2S	15,150	3	0	3	110	16,269	3	0	3	118	16,370	3	0	3	119	9,377	2	0	2	72
						T2M	14,803	2	0	3	107	15,896	3	0	3	115	15,995	3	0	3	116	9,072	2	0	2	69
T3S			14,785			2	0	2	107	15,877	3	0	3	115	15,976	3	0	3	116	9,273	2	0	2	71		
T3M			14,919			2	0	2	108	16,021	3	0	3	116	16,121	3	0	3	117	9,227	2	0	2	70		
T4M			15,122			2	0	2	110	16,238	3	0	3	118	16,340	3	0	3	118	9,243	2	0	2	71		
TFTM	14,896		2			0	3	108	15,996	2	0	3	116	16,096	2	0	3	117	9,103	2	0	2	69			
TSVS	15,736		3			0	1	114	16,898	4	0	1	122	17,004	4	0	1	123	9,661	3	0	1	74			
TSS	15,852		3			0	1	115	17,022	4	0	1	123	17,129	4	0	1	124	9,544	3	0	1	73			
TSM	15,880		4			0	2	115	17,052	4	0	2	124	17,159	4	0	2	124	9,665	3	0	2	74			
TSW	15,647		4			0	2	113	16,802	4	0	2	122	16,907	4	0	2	123	9,395	4	0	2	72			
1000 mA	209 W		T1S			20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104						
			T2S			20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107						
			T2M			20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105						
			T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105								
			T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105								
			T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107								
			TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105								
			TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111								
			TSS	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112								
			TSM	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112								
			TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111								

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 (1.2 ft²) 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 standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 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 configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 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 or 6kV 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

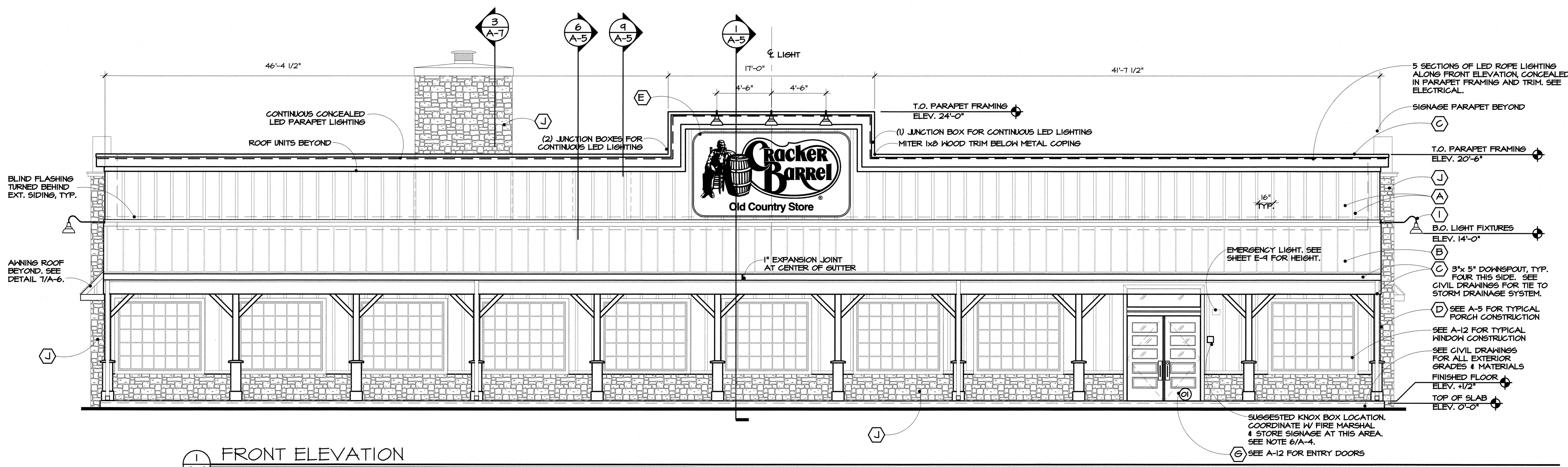
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

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.

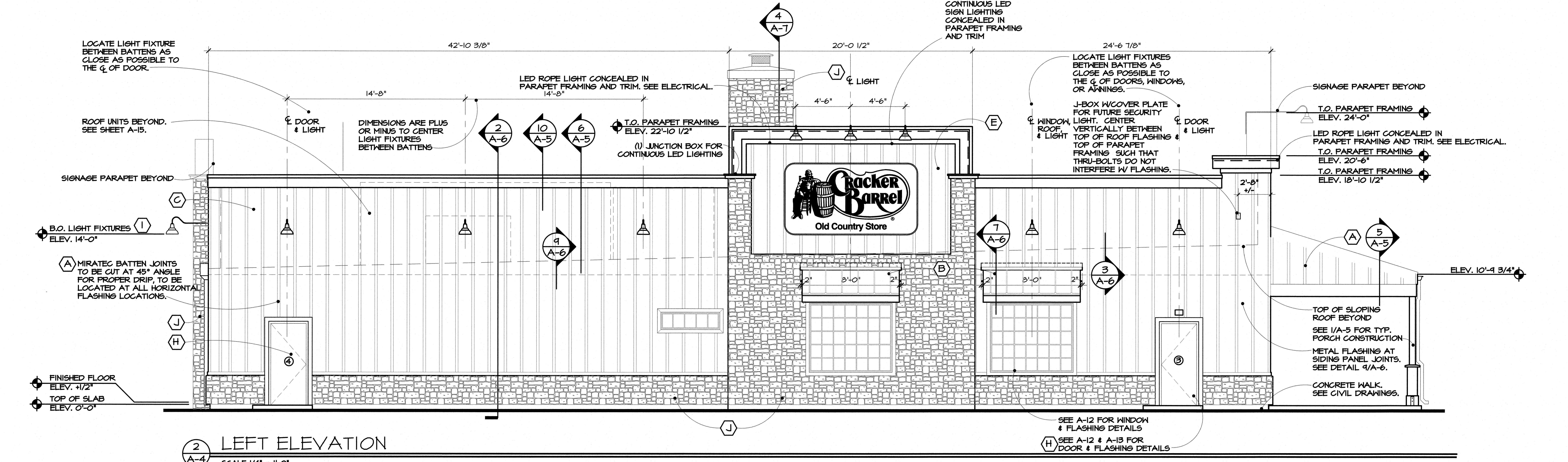
WARRANTY

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.



1 FRONT ELEVATION
SCALE 1/4" = 1'-0"



2 LEFT ELEVATION
SCALE 1/4" = 1'-0"

EXTERIOR MATERIALS LEGEND (A)

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA SIDING & MIRATEC BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINWAX OIL STAIN 'GOLDEN OAK'
H	METAL SERVICE / EXIT DOORS & FRAMES	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	CULTURED STONE VENEER	COUNTRY LEDGESTONE 'CHARDONNAY BLEND'

CRACKER BARREL STORE NUMBER: CR-304 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 819 EAST INTERSTATE 30
 FRONTAGE ROAD
 ROCKWALL, TX 75087
PROPERTY OF CRACKER BARREL OLD COUNTRY STORE, INC. THE INFORMATION SHOWN MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CRACKER BARREL OLD COUNTRY STORE.

Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, TN 37087



1645 Westgate Circle
 Brentwood, TN 37027
 615-370-1779
 Fax: 370-9108
 WWW.DENBINC.US

DESIGN and ENGINEERING INC.

INITIAL DATE: SEPT. 4, 2016
 RE-ISSUE DATE:

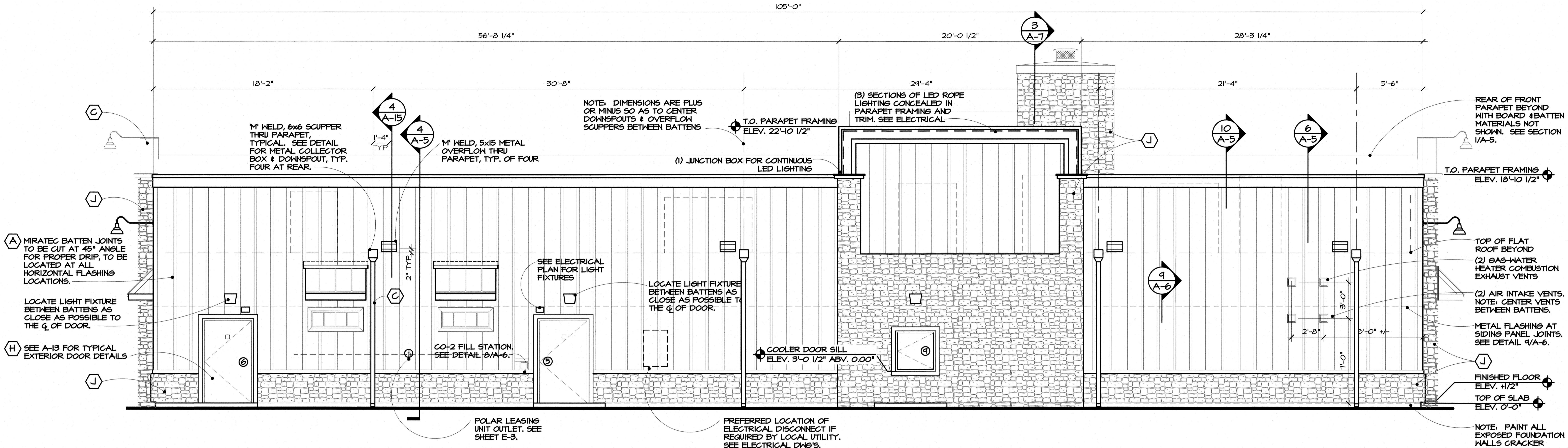
REVISIONS

11-16-15

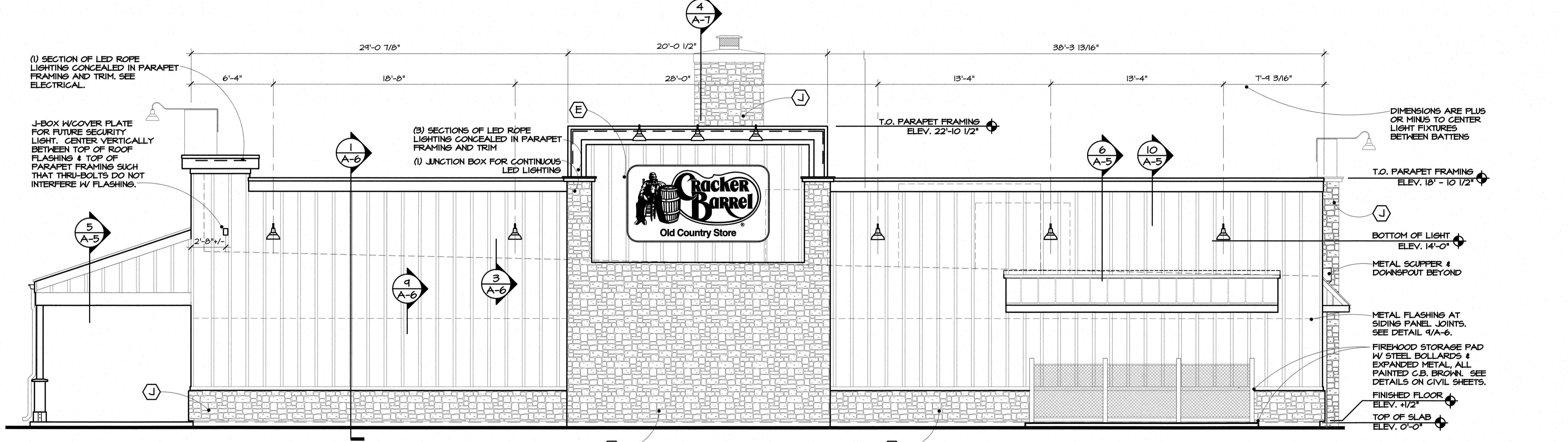


CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER:

A-4
 EXTERIOR ELEVATIONS
 CB 180 ITF-112



1 REAR ELEVATION
SCALE 1/4" = 1'-0"



2 RIGHT ELEVATION
SCALE 1/4" = 1'-0"

EXTERIOR MATERIALS LEGEND (A)

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA SIDING & MIRATEC BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINWAX OIL STAIN 'GOLDEN OAK'
H	METAL SERVICE / EXIT DOORS & FRAMES	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	CULTURED STONE VENEER	COUNTRY LEDGESTONE "CHARDONNAY BLEND"

CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER:

CRACKER BARREL STORE NUMBER: CR-164 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 819 EAST INTERSTATE 30
 FRONTAGE ROAD
 ROCKWALL, TX 76087

Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, TN 37087



1645 Westgate Circle
 Brentwood, TN 37077
 615-370-1779
 Fax: 370-9108
 www.dandeneau.com

D DESIGN and ENGINEERING INC.

INITIAL DATE: SEPT. 4, 2018
 RE-ISSUE DATE:

REVISIONS

11-16-18



A-4.1
 EXTERIOR ELEVATIONS
 CB 180 17F-112



FRONT ELEVATION

MATERIAL PERCENTAGES:

TOTAL AREA: 2331 S.F.
OPENING AREA: 391 S.F.

AREA LESS GLAZING: 1940 S.F.
STONE AREA: 267 S.F.
STONE PERCENTAGE: 13.8%



LEFT ELEVATION

MATERIAL PERCENTAGES:

TOTAL AREA: 1866 S.F.
OPENING AREA: 136 S.F.

AREA LESS GLAZING: 1730 S.F.
STONE AREA: 445 S.F.
STONE PERCENTAGE: 25.7%

DIMENSIONAL INFORMATION

BUILDING SIZE:

-LENGTH/WIDTH OF BUILDING:
87'-4"L x 105'-0"W

-LENGTH/WIDTH OF PORCH:
12'-4"L x 105'-6"W

-SQUARE FOOTAGE OF BUILDING:
9,113 sf

-SQUARE FOOTAGE OF PORCH:
1,284 sf

-TOTAL FOOTPRINT:
10,397 sf

BUILDING HEIGHTS:

-HEIGHT OF FRONT WALL PARAPET:
20'-6" H

-HEIGHT OF SIDE & REAR PARAPETS:
17'-10 1/2" H

-TOP OF SIGN PARAPETS:
FRONT: 24'-0" H,
RIGHT: 21'-10 1/2" H,

-HEIGHT OF CHIMNEY ABOVE FINISH
FLOOR: 30'-0" +/-

-ROOF SLOPES FRONT TO REAR:
-MAX. HEIGHT ABOVE FINISH FLOOR
INSIDE FRONT PARAPET WALL:
13'-0" H
-MIN. HEIGHT ABOVE FINISH
FLOOR INSIDE REAR PARAPET
WALL: 11'-0" H

WALL SIGNAGE:

-HEIGHT/WIDTH OF FRONT SIGN:
7'h x 13'w (91 sf)

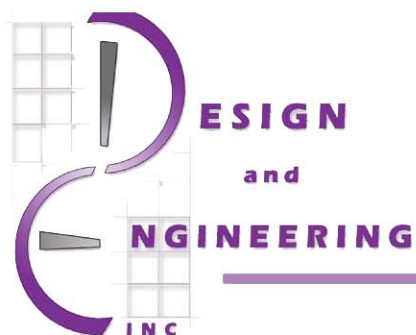
-HEIGHT/WIDTH OF REAR AND RETAIL:
5'-11"h x 11'-0"w (64 sf)

TOTAL MATERIALS AREAS

TOTAL FINISH MATERIAL AREA:
7,557 S.F.

TOTAL STONE AREA:
1,761 S.F.

TOTAL STONE PERCENTAGE:
23.3



ROCKWALL, TEXAS

CRACKER BARREL PROTOTYPE 180-17F

EXTERIOR MATERIALS LEGEND

- A CERTAINEED PANELS & MIRATEC BATTENS, PAINTED "CRACKER BARREL BROWN"
- B BERRIDGE STANDING-SEAM METAL ROOF, GALVALUME FINISH
- C PAC-CLAD METAL COPING, DARK BRONZE FINISH
- D CULTURED STONE VENEER, "CHARDONNAY" BLEND



8/6/2018

THIS IS AN ARTISTIC RENDERING OF THE PROPOSED EXTERIOR ELEVATIONS AND THEREFORE SHOULD NOT BE RELIED UPON FOR ACCURATE COLOR RENDITION OF THE MATERIALS SHOWN. PLEASE REFER TO MATERIAL BOARDS FOR ACTUAL COLOR AND TEXTURE SAMPLES. THIS DRAWING IS NOT TO SCALE. PLEASE REFER TO "DIMENSIONAL INFORMATION" FOR ACTUAL DIMENSIONS.



REAR ELEVATION

MATERIAL PERCENTAGES:

TOTAL AREA: 2143 S.F.
OPENINGS AREA: 82 S.F.

AREA LESS GLAZING: 2061 S.F.
STONE AREA: 543 S.F.
STONE PERCENTAGE: 26.3%



RIGHT ELEVATION

MATERIAL PERCENTAGES:

TOTAL AREA: 1826 S.F.
OPENING AREA: --

AREA LESS GLAZING: 1826 S.F.
STONE AREA: 506 S.F.
STONE PERCENTAGE: 27.7%

DIMENSIONAL INFORMATION

BUILDING SIZE:

-LENGTH/WIDTH OF BUILDING:
87'-4"L x 105'-0"W

-LENGTH/WIDTH OF PORCH:
12'-4"L x 105'-6"W

-SQUARE FOOTAGE OF BUILDING:
9,113 sf

-SQUARE FOOTAGE OF PORCH:
1,284 sf

-TOTAL FOOTPRINT:
10,397 sf

BUILDING HEIGHTS:

-HEIGHT OF FRONT WALL PARAPET:
20'-6" H

-HEIGHT OF SIDE & REAR PARAPETS:
18'-10 1/2" H

-TOP OF SIGN PARAPETS:
FRONT: 24'-0" H,
RIGHT: 21'-10 1/2" H,

-HEIGHT OF CHIMNEY ABOVE FINISH
FLOOR: 30'-0" +/-

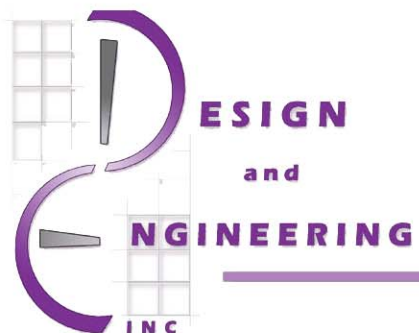
-ROOF SLOPES FRONT TO REAR:
-MAX. HEIGHT ABOVE FINISH FLOOR
INSIDE FRONT PARAPET WALL:
13'-0" H

-MIN. HEIGHT ABOVE FINISH
FLOOR INSIDE REAR PARAPET
WALL: 11'-0" H

WALL SIGNAGE:

-HEIGHT/WIDTH OF FRONT SIGN:
7'h x 13'w (91 sf)

-HEIGHT/WIDTH OF REAR AND RETAIL:
5'-11"h x 11'-0"w (64 sf)



ROCKWALL, TEXAS

CRACKER BARREL PROTOTYPE 180-17F

EXTERIOR MATERIALS LEGEND

- A CERTAINTED PANELS & MIRATEC BATTENS, PAINTED "CRACKER BARREL BROWN"
- B BERRIDGE STANDING-SEAM METAL ROOF, GALVALUME FINISH
- C PAC-CLAD METAL COPING, DARK BRONZE FINISH
- D CULTURED STONE VENEER, "CHARDONNAY BLEND"



8/6/2018

THIS IS AN ARTISTIC RENDERING OF THE PROPOSED EXTERIOR ELEVATIONS AND THEREFORE SHOULD NOT BE RELIED UPON FOR ACCURATE COLOR RENDITION OF THE MATERIALS SHOWN. PLEASE REFER TO MATERIAL BOARDS FOR ACTUAL COLOR AND TEXTURE SAMPLES. THIS DRAWING IS NOT TO SCALE. PLEASE REFER TO "DIMENSIONAL INFORMATION" FOR ACTUAL DIMENSIONS.

City of Rockwall Project Plan Review History



Project Number SP2018-028	Owner WEINBERGER, HAROLD E 1998 FAMILY TRUST &	Applied 9/17/2018	LM
Project Name Cracker Barrel	Applicant CBOCS TEXAS,LLC	Approved	
Type SITE PLAN		Closed	
Subtype		Expired	
Status Staff Review		Status	
 Site Address 845 E INTERSTATE 30		City, State Zip ROCKWALL, TX 75087	
		Zoning	
Subdivision BERNICE	Tract 2	Block A	Lot No 2
		Parcel No 4817-000A-0002-00-OR	General Plan

Type of Review / Notes	Contact	Sent	Due	Received	Elapsed	Status	Remarks
BUILDING	Russell McDowell	9/17/2018	9/24/2018	9/19/2018	2	APPROVED	
ENGINEERING	Sarah Hager	9/17/2018	9/24/2018	9/21/2018	4	COMMENTS	
FIRE	Ariana Hargrove	9/17/2018	9/24/2018	9/20/2018	3	COMMENTS	Comments
<p>(9/20/2018 4:46 PM AA)</p> <p>Show locations of fire hydrants. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 600 feet 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 shall be provided.</p> <p>Size and location of the underground water line servicing the fire sprinkler system shall be indicated on the plans.</p> <p>The proposed location of the Fire Department Connection (FDC) shall be indicated on the plans. The FDC is required to be along the fire lane and within 100-feet as the hose lays, of a fire hydrant.</p> <p>A minimum of a 5-foot wide sidewalk or other approved "all-weather" pathway shall be provided from the fire lane to the FDC. Parking/loading spaces are not considered a clear pathway.</p>							
GIS	Lance Singleton	9/17/2018	9/24/2018	9/18/2018	1	APPROVED	See Comments
<p>(9/18/2018 4:40 PM LS)</p> <p>Address assignment will be 845 E INTERSTATE 30, ROCKWALL, TX 75087</p>							
PLANNING	Korey Brooks	9/17/2018	9/24/2018	9/21/2018	4	COMMENTS	Comments

Type of Review / Notes	Contact	Sent	Due	Received	Elapsed Status	Remarks
SP2018-028 Site Plan for Cracker Barrel: Please address the following comments (M= Mandatory Comments; I = Informational Comments)						
I.1						This is a request by Debora Allegranti of CBOCS Texas, LLC on behalf of Eric Borkenhagen of Kohls Illinois, Inc. for the approval of a site plan for a restaurant on a 1.61-acre portion of a larger 9.0142-acre parcel of land identified as Lot 1, Block A, Rockwall Market Center East Addition, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, situated within the IH-30 Overlay (IH-30 OV) District, situated west of the intersection of Mims Road and the frontage road for E. IH-30.
I.2						For questions or comments concerning this case please contact Korey Brooks in the Planning Department at (972) 772-6434 or email kbrooks@rockwall.com.
M.3						For reference, include the case number (SP2018-028) in the lower right hand corner of all pages on future submittals.
M.4						Site Plan. Please move title block from the upper right corner to the lower right hand corner.
M.5						Site Plan. Please dimension all walls of the building.
M.6						Site Plan. Please remove all signage.
M.7						Site Plan. Please remove all notes referring to signage, lighting, "see detail", etc. This does not need to be on the site plan; however, it will probably be necessary for your engineering plans. The site plan is quite dense. If there is a symbol on the legend for an item, it does not need to be labeled.
M.8						Site Plan. Please remove "Building Stakeout Plan".
M.9						Site Plan. Please remove "Sheet Index".
M.10						Site Plan. Please greyscale all existing easements and adjacent properties.
M.11						Site Plan. Please use symbol for "Transformer Pad".
M.12						Site Plan. Please remove "Approximate" from the IH-30 centerline and the easement just below.
M.13						Site Plan. Parking lot islands do not need to be dimensioned.
M.14						Site Plan. Please add all hatching to the legend.
M.15						Site Plan. Please remove "accessible path"
M.16						Site Plan. If an easement is existing, provide information (in greyscale). If new easement is being proposed, label it as "Proposed"
M.17						Site Plan. Please only darken the property line for the subject property. Now, there are two dark "Property Lines" close to the "Building Stakeout Plan".
M.18						Site Plan. Please remove "Proposed" from the parking spaces.
M.19						Site Plan. Please only dimension one of the parking spaces against the building as well as one accessible hatching. (unless there is a space that is a different size).
M.20						Site Plan. Please provide depth and type of pavement.
M.21						Site Plan. Please remove FFE and Proto from building footprint.
M.22						Site Plan. Please dimension building to all property lines.
M.23						Site Plan. Dumpster enclosure shall be 4-sided with an opaque self-latching gate. The enclosure shall be a min 8-feet tall and shall utilize materials similar to the main structure. Please add note to the dumpster enclosure. Additionally, every effort shall be made to screen from IH-30 and shall not face a public street.
M.24						Site Plan. Please provide site data table that combines "Proposed Site Summary" and "Parking Summary". Also name "Site Data Table". Site data table needs to include the information that is listed beneath the "Location Map" (e.g. zoning, impervious surface, etc).
M.25						Site Plan. Please change "Location Map" to "Vicinity Map" and provide outline of site.
M.26						Site Plan. Please not duplicate any information in the "NOTES" section that is included in the Site Data Table.
M.27						Site Plan. As drawn, this will need a variance to the horizontal articulation standards. As drawn, there are no recesses or projections in the footprint.
M.28						Site Plan. Will there be any outside seating besides the display chairs?
M.29						Landscape Plan. Please show and label LS buffers
M.30						Landscape Plan. Please provide site data table as shown on site plan.
M.31						Landscape Plan. Please separate the Landscape Plan and the Treescape Plan.
M.32						Landscape Plan. Please remove "Annual List"
M.33						Landscape Plan. Please remove all signage.
M.34						Landscape Plan. Please provide visibility triangles.

Type of Review / Notes	Contact	Sent	Due	Received	Elapsed Status	Remarks
M.35	Landscape Plan.	Please lighten hatching pattern and provide on legend.				
M.36	Landscape Plan.	Please provide legend of all tree symbols.				
M.37	Landscape Plan.	Please remove SF at each landscape island.				
M.38	Landscape Plan.	If possible, please remove the "Botanical Name" and provide the common name. Also, if possible, remove abbreviations and provide with common name at each tree/landscape item.				
M.39	Landscape Plan.	Please explain what the B&B, Zone, and, Remarks columns are. These do not seem to be needed on this landscape plan.				
M.40	Landscape Plan.	If possible, please move "Special Signage Notes, Landscape Notes, Mulch Specifications, and note referring to aluminum edging" to the "Details" page.				
M.41	Landscape Plan.	Sleeving Plan will not be reviewed at the Site Plan phase. Please do not include with revisions.				
M.42	Landscape Plan.	Please remove FFE and PROTO from building footprint.				
M.43	Landscape Plan.	Please note the Overlay District landscaping standards attached.				
M.44	Treescape Plan.	Since you are proposing to remove Oak Trees (feature trees) approval is needed from the Planning and Zoning Commission. This is more of an FYI. This will be taken care of with the site plan process.				
M.45	Treescape Plan.	Please remove and proposed landscape planting. The Landscape Plan and Treescape Plan need to be separate. Additionally, please see notes about Landscape Plan as many of the notes apply to the Treescape Plan too.				
M.46	Photometric Plan.	Please darken property line on photometric plan.				
M.47	Photometric Plan.	Please remove the hatch pattern.				
M.48	Photometric Plan.	Please note that lighting at property lines shall be no more than 0.2 FC at any street. Please look at the property lines and revise. Some light spillover is allowed within the shopping center.				
M.49	Photometric Plan.	Please note No light pole, base or combination thereof shall exceed 30 feet. Please provide an elevation of light poles.				
M.50	Photometric Plan.	Please provide site data table as shown on the other plans.				
M.51	Photometric Plan.	Please remove the dash lines representing the lighting and utilize a grid system that extends just past the property lines.				
M.52	Photometric Plan.	Please remove light fixture symbols for off-site light poles and provide a legend for the on-site light poles/fixtures.				
M.53	Photometric Plan.	What is the heavy dark line on both sides of the drive aisle?				
M.54	Photometric Plan.	Please greyscale anything that is not on the subject property.				
M.55	Photometric Plan.	Please remove all signage.				
M.56	Photometric Plan.	Please move title block with the property information from upper right corner to lower right corner				
M.57	Photometric Plan.	Please note, all building and pole mounted luminaries exceeding 15 watts shall be directed down with either a partial cut-off or full cut-off source.				
M.58	Building Elevations.	Please remove all signage and lights. In place of the signage, provide a dashed rectangle approximately the size of the signage shown on the building elevations.				
M.59	Building Elevations.	Please provide material percentages per façade. Subtract windows and doors.				
M.60	Building Elevations.	Please indicate the elevation that faces the street.				
M.61	Building Elevations.	Please remove details such as construction details or instructional notes; however, keep the note and dash line indicating the RTUs.				
M.62	Building Elevations.	Please note that as proposed, this will need a variance for vertical and horizontal articulation. Please see the vertical and horizontal articulation requirements for this overlay district. The building will need projections and recesses as well as change in wall height. The articulation requirements are listed in the District Development Standards in the Unified Development Code. Otherwise, a variance is required.				
M.63	Building Elevations.	Please provide dumpster elevations.				
	Building Elevations.	Lights do not need to be labeled. Junction boxes do not need to be shown or labeled.				
	Building Elevations.	Please note the masonry requirements are 90% masonry and 20% natural or quarried stone per facade. Wood is considered to be a secondary material and limited to 10% per façade. There may be a stone product that is made to look like wood. As shown now, you will need variances to building materials.				
M.64	Building Elevations.	Please indicate in any elevation where the chimney is shown beyond. Additionally, make it greyscale and indicate the height.				

Type of Review / Notes	Contact	Sent	Due	Received	Elapsed Status	Remarks
M.65	Building Elevations.					Please provide all façade materials and percentages. Subtract windows and doors, and do not include metal coping and downspouts.
M.66	Building Elevations.					Please provide cardinal direction for each elevation (in addition to "front, rear, etc.") and indicate which elevations face the street.
M.67	Building Elevations.					What are the round symbols with the triangles? It doesn't seem to match the materials legend. If possible, label materials on the elevations.
M.68	Building Elevations.					Please provide a masonry materials percentage for each façade.
M.69	Building Elevations.					Please look at the attached building elevations and try to match the thickness of the parapet to make them more substantial
M.70	The Architectural Review Board (ARB) meeting for this case will be held on September 25th at 5:00 p.m.					
M.71	Staff has identified the aforementioned items necessary to continue the submittal process. Please make these revisions and corrections, and provide any additional information that is requested. Revisions for this case will be due on October 2, 2018. The Planning and Zoning Worksession for this case will be September 25th, at 6:00 p.m. The Planning and Zoning Meeting will be October 9th at 6:00 p.m. A representative is required to attend all meetings.					
I.72	If necessary the projected City Council meeting date for this case will be October 18, 2018.					



FRONT ELEVATION



LEFT ELEVATION

DIMENSIONAL INFORMATION	
BUILDING SIZE:	
-LENGTH/WIDTH OF BUILDING:	85'-4" L x 105'-0" W
-LENGTH/WIDTH OF PORCH:	12'-4" L x 105'-0" W
-SQUARE FOOTAGE OF BUILDING:	8,960 sf
-SQUARE FOOTAGE OF PORCH:	1,284 sf
-TOTAL FOOTPRINT:	10,244 sf
BUILDING HEIGHTS:	
-HEIGHT OF FRONT WALL PARAPET:	19'-0" H
-HEIGHT OF SIDE & REAR PARAPETS:	16'-10 1/2" H
-TOP OF SIGN PARAPETS:	FRONT, RIGHT, LEFT, & REAR: 23'-0" H
-HEIGHT OF CHIMNEY ABOVE FINISH FLOOR:	30'-0" +/-
ROOF SLOPES FRONT TO REAR:	
-MAX. HEIGHT ABOVE FINISH FLOOR	INSIDE FRONT PARAPET WALL: 13'-0" H
-MIN. HEIGHT ABOVE FINISH FLOOR	INSIDE REAR PARAPET WALL: 11'-0" H
WALL SIGNAGE:	
-HEIGHT/WIDTH OF ALL SIGNS:	FRONT, RIGHT, LEFT, & REAR: 7' H x 13' W (91 sf)

EXTERIOR MATERIALS LEGEND

- A CERTAINEED SIDING & MIRATEC BATTENS, PAINTED "CRACKER BARREL BROWN"
- B BERRIDGE STANDING-SEAM ROOF, GALVALUME FINISH
- C PAC-CLAD METAL COPING, DARK BRONZE FINISH
- D CULTURED STONE VENEER, "CHARDONNAY" BLEND

THIS IS AN ARTISTIC RENDERING OF THE PROPOSED EXTERIOR ELEVATIONS AND THEREFORE SHOULD NOT BE RELIED UPON FOR ACCURATE COLOR RENDITION OF THE MATERIALS SHOWN. PLEASE REFER TO MATERIAL BOARDS FOR ACTUAL COLOR AND TEXTURE SAMPLES. THIS DRAWING IS NOT TO SCALE. PLEASE REFER TO "DIMENSIONAL INFORMATION" FOR ACTUAL DIMENSIONS.

E. Landscape standards. All sites shall, as a minimum, meet the following standards and the standards set out in article VIII, Landscape Standards. Where the following standards conflict with the landscape ordinance, these requirements shall prevail:

1. Buffer-strips. The buffer-strip shall be a minimum of 20 feet wide and include a "built-up" berm and/or shrubbery or a combination of both along the entire length of the subject property's frontage along the IH-30 right-of-way. The minimum required height of the aforementioned berm and/or shrubbery or a combination thereof is 30 inches and shall not exceed a maximum height of 48 inches.

2. Buffer-strip plantings. Two canopy trees, along with four accent trees shall be required per 100 feet of the IH-30 right-of-way as set out below.

3. Plant material sizes. The following minimum sizes shall be required:

Canopy trees: four-inch caliper.

Accent trees: four-foot height.

Shrubs.

Deciduous: 15 inches; two-gallon minimum.

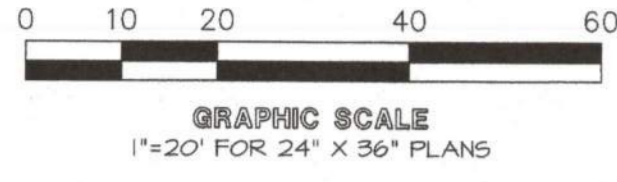
Evergreen: 12 inches; two-gallon minimum.

4. Plant material selections. The following materials are recommended for planting in the buffer-strip; however, other materials may be acceptable:

Canopy trees: Afghan Pine, Bald Cypress, Bur Oak, Cedar Elm, Eastern Red Cedar, Homestead Elm, Lacebark Elm, Little Gem Magnolia, Live Oak, October Glory Maple, Red Oak, Texas Ash, Texas Red Oak.

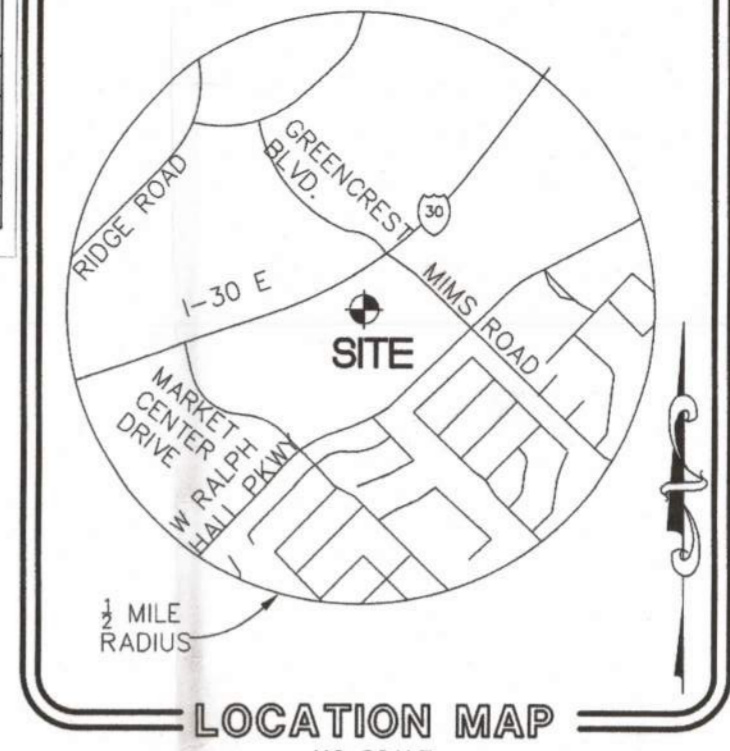
Accent trees: Desert Willow, Eastern Redbud, Eves Necklace, Mexican Buckeye, Possumhaw Holly, Shangtung Maple, Yaupon Holly.

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	3969.72'	357.75'	178.99'	357.62'	N 59°35'03" E	5°09'48"
C2	3969.72'	417.24'	208.81'	417.05'	S 65°10'37" W	6°01'19"
C3	3969.72'	206.57'	103.31'	206.55'	N 55°30'43" E	2°58'53"



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD

USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.00	62.1
LANDSCAPE AREA	0.37	23.0

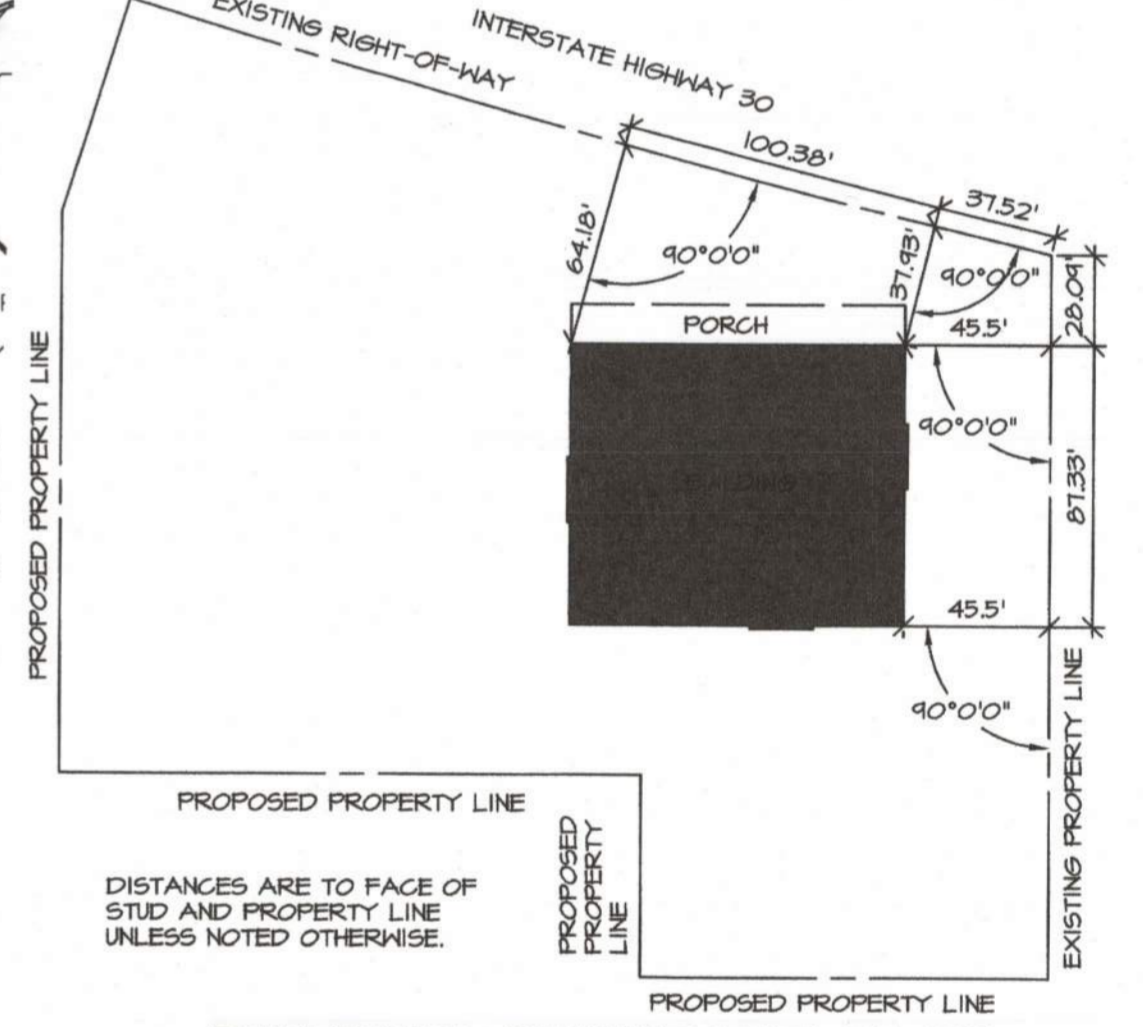


EXISTING	PROPOSED
CONTOUR	SPOT EL.
SS	STORM SEWER
SS	SANITARY SEWER
M	MANHOLE
N/A	CLEAN OUT
W	WATER LINE
OE	OVERHEAD ELEC.
N/A	UNDERGROUND ELEC.
UG	UNDERGROUND GAS
CB	CATCH BASIN
GV	GATE VALVE
FH	FIRE HYDRANT
UP	UTILITY POLE
LP	LIGHT POLE
N/A	PARKING COUNT

NO SCALE
PROPOSED LAND USE: COMMERCIAL
ZONING DISTRICT: C, COMMERCIAL
MAXIMUM PERCENT IMPERVIOUS REQUIRED: 65%
PERCENT IMPERVIOUS PROVIDED: 77%
PARKING LOT LANDSCAPE AREA: 3,461 SF / 45,645 SF = 7.6%

NOTES

- BOUNDARY INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY BY: FREELAND AND ASSOCIATES, INC., 323 WEST STONE AVENUE, GREENVILLE, SOUTH CAROLINA 29604 DATED: 3-30-10
- TOTAL AREA OF SITE: 1.61 ACRES (70,114 SF)
- PARKING SUMMARY:
87 PARKING SPACES FOR CARS
6 ACCESSIBLE PARKING SPACES
93 TOTAL PARKING SPACES
- BUILDING: 9,230 SQ. FT. PORCH: 1,316 SQ. FT. / SEATING CAPACITY = 180
- THE CONTRACTOR SHALL BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY.
- PERSONS USING THIS DRAWING SHOULD CONTACT LOCAL UTILITY COMPANIES FOR EXACT LOCATIONS OF UNDERGROUND UTILITIES.
- ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD, UNLESS OTHERWISE NOTED.
- UNLESS NOTED OTHERWISE, CURB RADII 3.0' AND ANGLES ARE 90°.
- DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- IN THE CASE OF CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR THE SPECIFICATIONS, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR CLARIFICATION.
- SEE SHEET C-1A FOR ADDITIONAL SITE NOTES.



BUILDING STAKEOUT PLAN

SHEET INDEX

SHEET NO.	SHEET NAME	LAST REVISION
C-1	SITE LAYOUT PLAN	09-04-10
C-1A	SITE PAVEMENT JOINT AND FIRE LINE STRIPING PLAN	09-04-10
C-2	SITE GRADING PLAN	09-04-10
C-3	(NOT FOR PLANNING REVIEW) SITE EROSION & SEDIMENT CONTROL PLAN (NOT FOR PLANNING REVIEW)	09-04-10
C-4	SITE UTILITY PLAN	09-04-10
C-5	SITE PHOTO METRIC PLAN	09-04-10
C-6	SITE DEMOLITION PLAN	09-04-10
SD-1 - SD-4	STANDARD DETAILS	09-04-10
D-1 - D-2	DUMPSTER DETAILS	09-04-10
T-1	LAND TITLE AND TOPOGRAPHIC SURVEY	03-30-10
LPO	TRESCAPE PLAN	09-04-10
LPI	LANDSCAPE PLAN	09-04-10
LP3	STANDARD DETAILS	09-04-10
LP4	SLEEPING PLAN	09-04-10

PARKING SUMMARY		
USE	REQUIRED	PROVIDED
RESTAURANT (TOTAL)	43	43
ACCESSIBLE	5*	6*

PARKING REQUIREMENTS	
USE	PARKING REQUIREMENT
RESTAURANT	1 SPACE/100 SF = 4,230 = 43 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 43 SPACES

CAUTION
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

- 4% Engineering Fees
- Impact Fees
- Traffic Impact Analysis if touching I-30 ROW
- Detention in place for Kohls
- Fire Lane = 24" wide with 20' Radii
- Min 20' utility easements
- Must loop water line on site
- Walls 3' and over must be designed by a licensed engineer.
- Walls to be rock or stone faced. No smooth concrete walls.
- Need to abandon part of the 25' access easement.
- Need a sewer easement from Kohls.
- Fire Lane easement will need to be replatted.
- Must meet City Engineering Standards.

Not Reviewed

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 75087

Cracker Barrel
Old Country Store
P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087



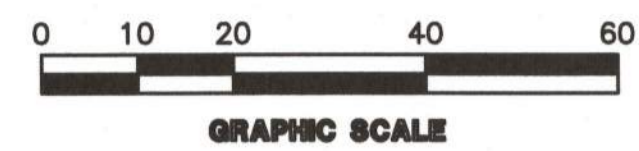
DESIGN AND ENGINEERING, INC.
STRUCTURAL AND CIVIL ENGINEERS
1645 Westgate Circle
Brentwood, TN 37027
615-370-1779
615-370-9108
www.dandeng.com

DATE	REVISIONS
09-04-10	11-1645



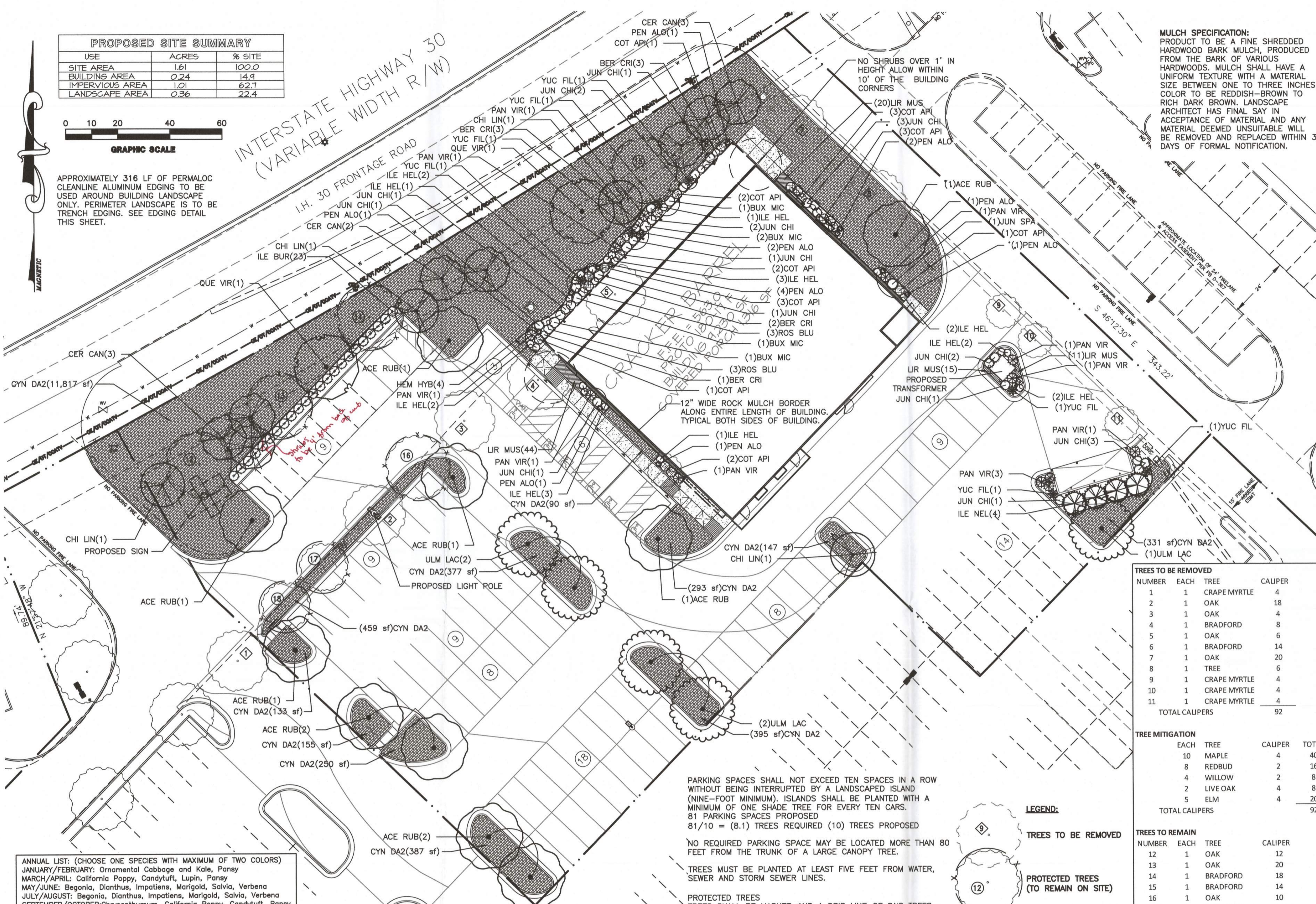
C-1
SITE LAYOUT PLAN
PROJ: 180-11F

PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.01	62.7
LANDSCAPE AREA	0.36	22.4

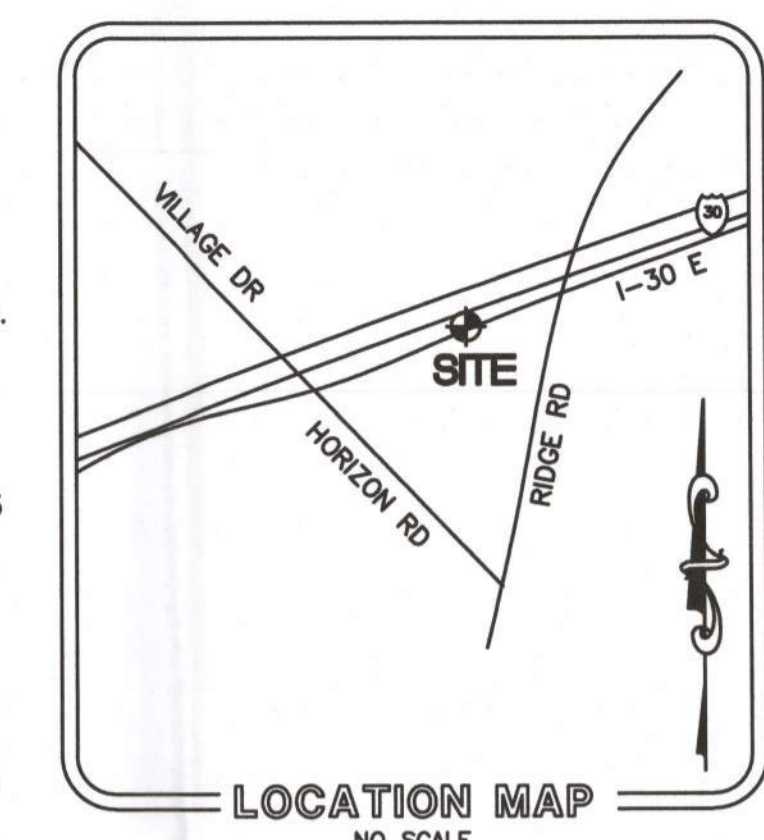


APPROXIMATELY 316 LF OF PERMALOC CLEANLINE ALUMINUM EDGING TO BE USED AROUND BUILDING LANDSCAPE ONLY. PERIMETER LANDSCAPE IS TO BE TRENCH EDGING. SEE EDGING DETAIL THIS SHEET.

INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)



MULCH SPECIFICATION:
PRODUCT TO BE A FINE SHREDDED HARDWOOD BARK MULCH, PRODUCED FROM THE BARK OF VARIOUS HARDWOODS. MULCH SHALL HAVE A UNIFORM TEXTURE WITH A MATERIAL SIZE BETWEEN ONE TO THREE INCHES. COLOR TO BE REDDISH-BROWN TO RICH DARK BROWN. LANDSCAPE ARCHITECT HAS FINAL SAY IN ACCEPTANCE OF MATERIAL AND ANY MATERIAL DEEMED UNSUITABLE WILL BE REMOVED AND REPLACED WITHIN 3 DAYS OF FORMAL NOTIFICATION.



LEGEND	
EXISTING	PROPOSED
CONTOUR	SPOT EL.
STORM SEWER	SANITARY SEWER
MANHOLE	CLEAN OUT
WATER LINE	OVERHEAD WIRES
UNDERGROUND ELEC.	UNDERGROUND GAS
CATCH BASIN	GATE VALVE
FIRE HYDRANT	UTILITY POLE
LIGHT POLE	PARKING COUNT

SPECIAL SIGNAGE NOTE:
LANDSCAPE CONTRACTOR TO PROVIDE GRAVEL BED 2 FEET OUT FROM PROPOSED SIGN PYLON. BED TO HAVE 4 INCHES OF NATIVE RIVER ROCK 3/4"-1" (OWNER APPROVED) ON TOP OF LANDSCAPE FILTER FABRIC. MULCH BED TO BE CONTAINED BY PERMALOC EDGING (SEE DETAIL ON LP3). PROPOSED BED SHOULD BE HIGHER THAN SURROUNDING GRADE TO ELIMINATE STANDING WATER AROUND AND AGAINST STEEL PYLON.

LANDSCAPE NOTES:
1. PLANTING BEDS AND PLANT LOCATIONS SHALL BE STAKED BY THE LANDSCAPE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF THE PLANTS.
2. PLANTING BEDS SHALL BE CLEARED OF ALL GRASS AND WEEDS PRIOR TO INSTALLATION OF PLANTS, INCLUDING SPRAYING "ROUND-UP" OR APPROVED SUBSTITUTE TO KILL ACTIVELY GROWING PLANTS. PLANT BEDS SHALL BE PREPARED AS CALLED FOR IN THE SPECIFICATIONS.
3. ALL OTHER DISTURBED AREAS ARE TO BE SEEDED OR SODDED AS PER THE PLANS. ADDITIONAL SEEDING OR SODDING, IF REQUIRED, WILL BE AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
4. PLANTING BEDS SHALL HAVE A FOUR (4) INCH DEEP SHREDDED HARDWOOD BARK MULCH OVER THE ENTIRE BED, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
5. PRIOR TO PLANTING, ALL PLANTED AREAS SHALL BE TREATED WITH A WATER-SOLUBLE FERTILIZER FOR THE NON-SELECTIVE CONTROL OF ANNUAL AND PERENNIAL WEEDS PRIOR TO PLANTING.
6. ALL TREE AND SHRUB PLANTING PITS SHALL BE BACKFILLED WITH A PLANTING SOIL MIXTURE OF ONE (1) PART PEAT MOSS, THREE (3) PARTS NATIVE OR APPROVED TOPSOIL AND ONE (1) PART SAND, THOROUGHLY MIXED. SAMPLE OF MIXTURE TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
7. PLANT GROUND COVER & ANNUAL BEDS IN SAME MIXTURE AS SHRUBS. AFTER PLANTING & MULCHING, WATER AREAS TO POINT OF SATURATION.
8. ALL PLANTED AREAS ARE TO BE FERTILIZED WITH GRANULAR FERTILIZER. LANDSCAPE CONTRACTOR IS TO PROVIDE SOIL TEST RESULTS AND PROPOSED FERTILIZER APPLICATION RATES TO THE OWNER OR OWNER'S REPRESENTATIVE FOR APPROVAL.
9. ALL PLANT MATERIAL IS TO BE NURSERY GROWN AND TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-CURRENT ADDITION).
10. SPRAY TREES AND SHRUBS WITH AN ANTI-DESICCANT IF FOLIAGE IS PRESENT.
11. EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN THE SAME MANNER AS DECIDUOUS MATERIAL IS PLANTED.
12. DO NOT PRUNE ANY PLANT MATERIAL UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
13. ALL LANDSCAPE MATERIAL SHALL BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION. MATERIALS MAY BE VIEWED AT LANDSCAPE CONTRACTOR'S HOLDING SITE OR AT THIS SITE. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF THE AVAILABILITY OF THE MATERIALS TO BE INSPECTED.
14. ALL MATERIALS INSPECTED ON THE SITE AND FOUND TO BE UNACCEPTABLE SHALL BE REMOVED FROM THE SITE ON THE DAY OF INSPECTION.
15. FIELD CHANGES AND SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE.
16. EXISTING PLANT MATERIAL IS TO BE EVALUATED BY THE LANDSCAPE ARCHITECT FOR POSSIBLE RELOCATION ON SITE. THE LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT FORTY-EIGHT (48) HOURS BEFORE BEGINNING WORK.
17. ALL PLANT MATERIAL SHALL BE SUPPLIED BY APPROPRIATE SOURCES TO PREVENT UNDUE STRESS OR PROLONGED ACCLIMATIZATION WHICH WOULD INHIBIT PLANT GROWTH.
18. LANDSCAPE CONTRACTOR IS TO VERIFY PLANT QUANTITIES SHOWN ON PLAN AND IN PLANT LIST. IF DISCREPANCIES OCCUR, LANDSCAPE CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
19. IF NO METAL EDGING IS TO BE USED (SEE SHOWS), PROVIDE 4" DEEP CONTINUOUS MULCHED TRENCH AT EDGE BETWEEN BED & TURF. LOCATE 6" FROM DIAPHRAGM OF OUTER ROW OF SHRUBS, OR AT EDGE OF GROUND COVER.
20. NO METAL EDGING SHOULD BE INSTALLED BETWEEN CONCRETE (CURB OR SIDEWALK) AND ADJACENT MATERIAL (SOD OR MULCH).
21. LANDSCAPE CONTRACTOR IS RESPONSIBLE TO WASH DOWN THE PARKING LOT AFTER PLANTING INSTALLATION IS COMPLETE.
22. CONTRACTOR SHALL REMOVE ALL TREE STAKING MATERIAL AT THE END OF THE ONE YEAR WARRANTY.
23. ALL SHRUBS AND EVERGREEN TREES, EXCEPT AS NOTED**, SHALL BE PLANTED AND MAINTAINED IN THEIR NATURAL FORM TO CREATE A PLANT MASSING EFFECT. NO "GUMDROP" PRUNING IS ALLOWED.

TREES TO BE REMOVED			
NUMBER	EACH	TREE	CALIPER
1	1	CRAPE MYRTLE	4
2	1	OAK	8
3	1	OAK	4
4	1	BRADFORD	8
5	1	OAK	6
6	1	BRADFORD	14
7	1	OAK	20
8	1	TREE	6
9	1	CRAPE MYRTLE	4
10	1	CRAPE MYRTLE	4
11	1	CRAPE MYRTLE	4
TOTAL CALIPERS			92

TREE MITIGATION			
EACH	TREE	CALIPER	TOTAL
10	MAPLE	4	40
8	REDBUD	2	16
4	WILLOW	2	8
2	LIVE OAK	4	8
5	ELM	4	20
TOTAL CALIPERS			92

TREES TO REMAIN			
NUMBER	EACH	TREE	CALIPER
12	1	OAK	12
13	1	OAK	20
14	1	BRADFORD	18
15	1	BRADFORD	14
16	1	OAK	10
17	1	BRADFORD	4
18	1	CRAPE MYRTLE	4
TOTAL CALIPERS			82

PARKING SPACES SHALL NOT EXCEED TEN SPACES IN A ROW WITHOUT BEING INTERRUPTED BY A LANDSCAPED ISLAND (NINE-FOOT MINIMUM). ISLANDS SHALL BE PLANTED WITH A MINIMUM OF ONE SHADE TREE FOR EVERY TEN CARS.
81 PARKING SPACES PROPOSED
81/10 = (8.1) TREES REQUIRED (10) TREES PROPOSED

NO REQUIRED PARKING SPACE MAY BE LOCATED MORE THAN 80 FEET FROM THE TRUNK OF A LARGE CANOPY TREE.

TREES MUST BE PLANTED AT LEAST FIVE FEET FROM WATER, SEWER AND STORM SEWER LINES.

PROTECTED TREES
TREES SHALL BE MARKED AND A DRIP LINE OF SAID TREES SHALL BE PROTECTED PRIOR TO AND DURING ALL CONSTRUCTION. SEE TREE PROTECTION DETAIL ON SHEET LP3

ANNUAL LIST: (CHOOSE ONE SPECIES WITH MAXIMUM OF TWO COLORS)	
JANUARY/FEBRUARY:	Ornamental Cabbage and Kale, Pansy
MARCH/APRIL:	California Poppy, Candytuft, Lupin, Pansy
MAY/JUNE:	Begonia, Dianthus, Impatiens, Marigold, Salvia, Verbena
JULY/AUGUST:	Begonia, Dianthus, Impatiens, Marigold, Salvia, Verbena
SEPTEMBER/OCTOBER:	Chrysanthemum, California Poppy, Candytuft, Pansy
NOVEMBER/DECEMBER:	Ornamental Cabbage and Kale, Pansy

GENERAL NOTES:

- UNDERGROUND UTILITIES:
A. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811.
B. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE MADE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.
- CONTRACTOR IS TO VERIFY ALL QUANTITIES SHOWN ON PLAN AND IN LIST. IF DISCREPANCIES OCCUR, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
- THE LANDSCAPE CONTRACTOR WILL BE HELD FINANCIALLY LIABLE FOR ANY DAMAGE CAUSED TO NEWLY POURED CONCRETE DRIVES, CURBING, OR SIDEWALKS BY THE INSTALLATION OF THE IRRIGATION SYSTEM.
- THE LANDSCAPE CONTRACTOR IS TO PERFORM A THOROUGH CLEANUP AND QUALITY CONTROL INSPECTION WITHIN 12 HOURS PRIOR TO THE V.I.P. GRAND OPENING OF THE RESTAURANT.

PLANT SCHEDULE LANDSCAPE (ZONE 8)

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	ZONE	REMARKS	
ACE RUB	10	ACER RUBRUM 'RED SUNSET'	'RED SUNSET' MAPLE	B&B	4" CAL	12"-14" HT	ZONE 7-10	MATCHED TREES	
CER CAN	8	CERCIS CANADENSIS	EASTERN REDBUD	B&B	2" CAL	6'-8" HT	ZONE 4-8	MATCHED TREES	
CHI LIN	4	CHILOPSIS LINEARIS	DESERT WILLOW	B&B	2" CAL	6'-8" HT	ZONE 7-9	FULL TREE	
ILE NEL	4	ILEX X 'NELLIE R STEVENS'	NELLIE STEVENS HOLLY	B&B	6'-8" HT	ZONE 6-9	FULL TO GROUND		
QUE VIR	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	B&B	4" CAL	10'-12" HT	ZONE 7-10	FULL TREES	
ULM LAC	5	ULMUS PARVIFOLIA 'LACEBARK ELM'	CHINESE ELM TREE	B&B	4" CAL	12"-14" HT	ZONE 4-9	MATCHED TREES	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	ZONE	REMARKS
BER CRI	9	BERBERIS THUNBERGII 'CRIMSON PYGMY'	CRIMSON PYGMY BARBERY	T.B.D.	18"-21"	18"-21"	30" O.C.	ZONE 4-8	FULL PLANT
BUX MIC	5	BUXUS MICROPHYLLA JAPONICA 'GREEN BEAUTY'	GREEN BEAUTY BOXWOOD	T.B.D.	24"-30"	30"-36"	48" O.C.	ZONE 5-9	FULL PLANT
COT API	18	COTONEASTER APICULATUS	CRANBERRY COTONEASTER	T.B.D.	18"-24"	24"-30"	48" O.C.	ZONE 5-9	FULL PLANT
ILE BUR	23	ILEX CORNUTA 'BURFORDI NANA'	DWARF BURFORD HOLLY	CONT	30"-36"	30"-36"	48" O.C.	ZONE 6-9	FULL PLANT
ILE HEL	19	ILEX CRENATA 'HELERII'	HELER JAPANESE HOLLY	T.B.D.	12"-15"	15"-18"	30" O.C.	ZONE 5-9	FULL PLANT
JUN CHI	20	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	T.B.D.	15"-18"	24"-30"	48" O.C.	ZONE 4-9	FULL PLANT
JUN SPA	1	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER	T.B.D.	6' MIN. HT	30"-36"	SPACE AS SHOWN	ZONE 4-9	FULL TO GROUND
PAN VIR	12	PANICUM VIRGATUM	SWITCH GRASS	CONT	30"-36"	AS SHOWN	AS SHOWN	ZONE 4-9	FULL PLANT
PEN ALO	14	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	CONT	10"-12"	SPACE AS SHOWN	SPACE AS SHOWN	ZONE 5-9	FULL PLANT
ROS BLU	6	ROSA X 'BLUSHING KNOCKOUT'	ROSE	T.B.D.	18"-24"	18"-24"	48" O.C.	ZONE 5-9	FULL PLANT
YUC FIL	7	YUCCA FILAMENTOSA	ADAM'S NEEDLE	T.B.D.	18"-24"	18"-24"	36" O.C.	ZONE 4-8	FULL PLANT
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	ZONE	REMARKS			
HEM HYB	4	HEMEROCALLIS HYBRID 'STELLA DE ORO'	STELLA DE ORO DAYLILY	1 GAL	ZONE 3-10	FULL POT			
LIR MUS	90	LIRIOPE MUSCARI 'MAJESTIC'	MAJESTIC LIRIOPE	4" POT	ZONE 5-10	FULL POT			
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT	ZONE	REMARKS			
CYN DA2	14,835 SF	CYNODON DACTYLON	BERMUDA GRASS	SOD	ZONE 7-10	LAY SOD WITHIN 48 HOURS OF CUTTING			

I-H 30 OVERLAY DISTRICT 299 LF OF PROPERTY LINE - 18' ACCESS = 281 LF 281 / 100 = 2.81 MULTIPLIER					
	ORDINANCE	MULTIPLIER	REQUIRED	EXISTING	PROPOSED
* 4" CANOPY	2	2.81	5.62	4	2
4' UNDERSTORY	4	2.81	11.24	-	11
** SHRUBS	CONTINUOUS	NA	-	-	YES

* EACH STREET SHALL BE PLANTED WITH A FOCUS ON ONE SPECIES TO REINFORCE STREET CHARACTER.
** SURFACE PARKING LOTS SHALL BE SCREENED FROM ALL ADJACENT PUBLIC STREETS AND NEIGHBORING SITES. THE SCREEN MUST EXTEND ALONG ALL SIDES OF THE PARKING LOT AND MUST BE THREE FEET IN HEIGHT, 80 PERCENT OPAQUE, AND MAY BE ACCOMPLISHED THROUGH THE USE OF MASONRY WALLS, ORNAMENTAL METAL, EVERGREEN PLANT MATERIALS, OR A COMBINATION THEREOF. PLANTING BEDS FOR SCREEN PLANTING SHALL BE A MINIMUM OF THREE FEET IN WIDTH.
THE TOTAL NUMBER OF CALIPER INCHES OF TREE BEING REPLACED SHALL EQUAL THE TOTAL NUMBER OF CALIPER INCHES BEING REMOVED. TREES USED FOR OVERLAY DISTRICT STREET TREES AND PARKING LOT TREES ARE COUNTED.

CRACKER BARREL
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 75087
BLOCK A, LOT 1
CASE NUMBER:

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 75087
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Cracker Barrel
P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087



LOSE DESIGN
SPACES FOR LIFE.

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF THE DESIGNER. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.

DATE	REVISIONS
04-04-18	PROJECT NO. LA180193

Cracker Barrel
Old Country Store
LANDSCAPE PLAN
LP1
PROTO 180-11F

0 25 50 100 150 200 Feet

SP2018-028 - CRACKER BARREL
SITE PLAN - LOCATION MAP = 



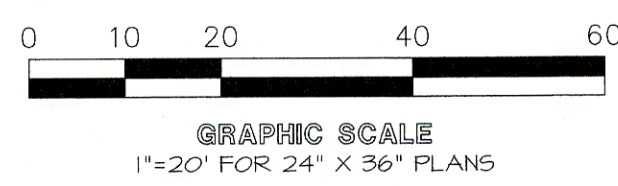
City of Rockwall

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

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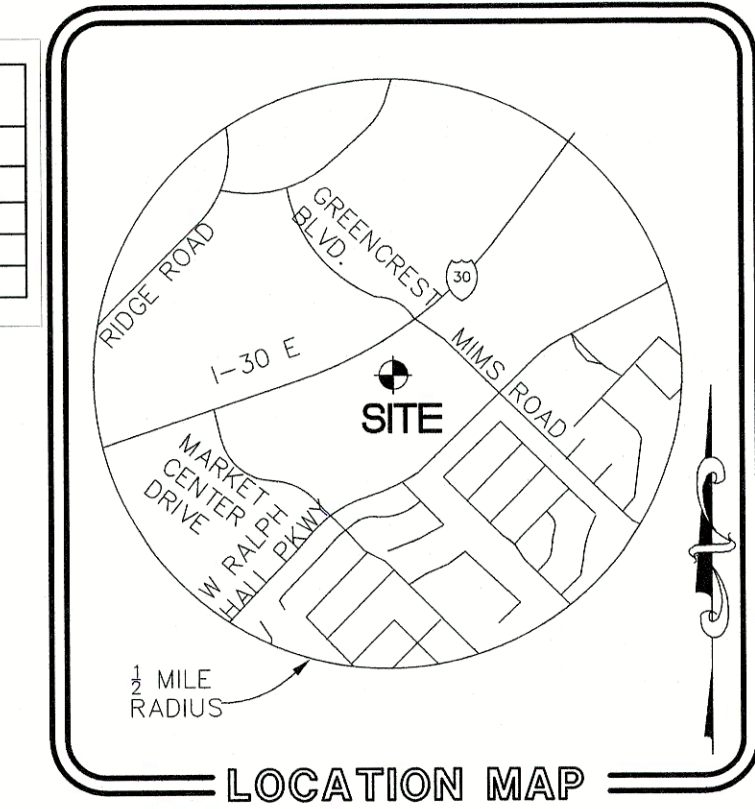


CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	3969.72'	357.75'	178.99'	357.62'	N 59°35'03" E	5°09'48"
C2	3969.72'	417.24'	208.81'	417.05'	S 65°10'37" W	6°01'19"
C3	3969.72'	206.57'	103.31'	206.55'	N 55°30'43" E	2°58'53"



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD

PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.00	62.1
LANDSCAPE AREA	0.37	23.0

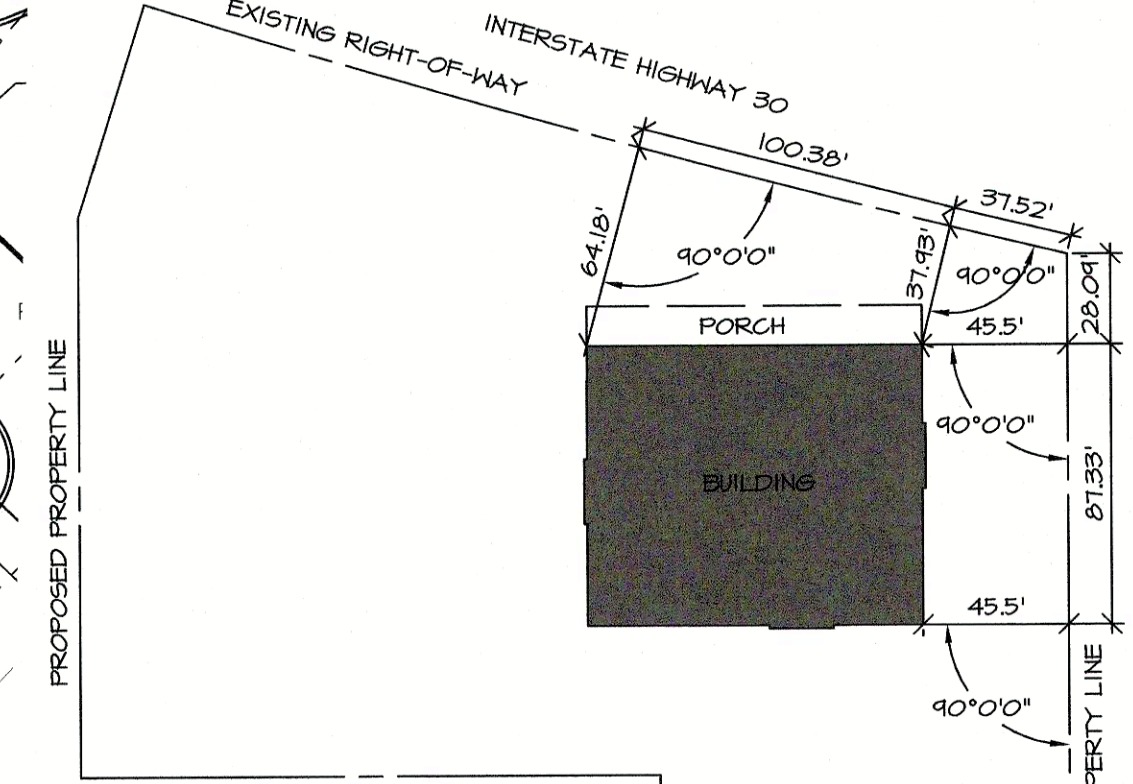


LEGEND	
EXISTING	PROPOSED
— 0.5' —	CONTOUR
— 1.0' —	SPOT ELEV.
— SS —	STORM SEWER
— S —	SANITARY SEWER
— N/A —	CLEAN OUT
— W —	WATER LINE
— 0E —	OVERHEAD ELEC.
— N/A —	UNDERGROUND ELEC.
— UG —	UNDERGROUND GAS
— CB01 —	CATCH BASIN
— G —	GATE VALVE
— FH —	FIRE HYDRANT
— U —	UTILITY POLE
— L —	LIGHT POLE
— N/A —	PARKING COUNT

PROPOSED LAND USE: COMMERCIAL
ZONING DISTRICT: C, COMMERCIAL
MAXIMUM PERCENT IMPERVIOUS REQUIRED: 85%
PERCENT IMPERVIOUS PROVIDED: 77%
PARKING LOT LANDSCAPE AREA: 3,461 SF / 45.64 SF = 76%

NOTES

- BOUNDARY INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY BY: FREELAND AND ASSOCIATES, INC. 323 WEST STONE AVENUE, GREENVILLE, SOUTH CAROLINA 29604 DATED: 3-30-18
- TOTAL AREA OF SITE: 1.61 ACRES (10,114 SF)
- PARKING SUMMARY:
87 PARKING SPACES FOR CARS
6 ACCESSIBLE PARKING SPACES
43 TOTAL PARKING SPACES
- BUILDING: 4,230 SQ. FT. PORCH: 1,316 SQ. FT. / SEATING CAPACITY = 180
- THE CONTRACTOR SHALL BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY.
- PERSONS USING THIS DRAWING SHOULD CONTACT LOCAL UTILITY COMPANIES FOR EXACT LOCATIONS OF UNDERGROUND UTILITIES.
- ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD, UNLESS OTHERWISE NOTED.
- UNLESS NOTED OTHERWISE, CURB RADI 3.0' AND ANGLES ARE 90°.
- DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- IN THE CASE OF CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR THE SPECIFICATIONS, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR CLARIFICATION.
- SEE SHEET C-1A FOR ADDITIONAL SITE NOTES.



BUILDING STAKEOUT PLAN

NO SCALE

SHEET INDEX

SHEET NO.	SHEET NAME	LAST REVISION
C-1	SITE LAYOUT PLAN	04-04-18
C-1A	SITE PAVEMENT JOINT AND FIRE LINE STRIPING PLAN	04-04-18
C-2	SITE GRADING PLAN	04-04-18
C-3	(NOT FOR PLANNING REVIEW) SITE EROSION & SEDIMENT CONTROL PLAN (NOT FOR PLANNING REVIEW)	04-04-18
C-4	SITE UTILITY PLAN	04-04-18
C-5	SITE PHOTOMETRIC PLAN	04-04-18
C-6	SITE DEMOLITION PLAN	04-04-18
SD-1 - SD-4	STANDARD DETAILS	04-04-18
D-1 - D-2	DUMPSTER DETAILS	04-04-18
T OF 1	LAND TITLE AND TOPOGRAPHIC SURVEY	03-30-18
LPO	TREESCPE PLAN	04-04-18
LP1	LANDSCAPE PLAN	04-04-18
LP3	STANDARD DETAILS	04-04-18
LP4	SLEEVING PLAN	04-04-18

PARKING SUMMARY		
USE	REQUIRED	PROVIDED
RESTAURANT (TOTAL)	43	43
ACCESSIBLE	5*	6*

PARKING REQUIREMENTS	
USE	PARKING REQUIREMENT
RESTAURANT	1 SPACE/100 SF = 4,230 = 43 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 43 SPACES

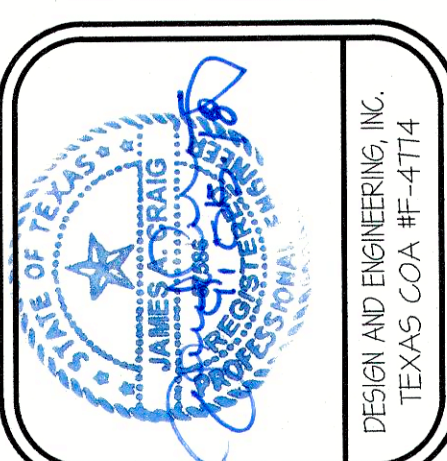
CAUTION
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PROPERTY OWNER: KOHL'S ILLINOIS, INC. 5661000 RIDGEHOOD DRIVE MEMONONIE FALLS, WISCONSIN 53051 ERIC BORKENHAGEN (262) 703-1000
OWNER: CBOCS TEXAS LIMITED PARTNERSHIP P.O. BOX 187 LEBANON, TENNESSEE 37088-0187 TELEPHONE: (615) 444-5533
PLANS PREPARED BY: JAMES A. CRAIG, P.E. DESIGN AND ENGINEERING, INC. 1645 WESTGATE CIRCLE BRENTWOOD, TENNESSEE 37027 (615) 370-1174

CRACKER BARREL
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 75087
BLOCK A, LOT 1
CASE NUMBER:

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX-03
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 75087
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Cracker Barrel
P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087



1645 Westgate Circle
Brentwood, TN 37027
615-370-1179
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www.dandei.com

DESIGN and ENGINEERING
STRUCTURAL AND CIVIL ENGINEERS

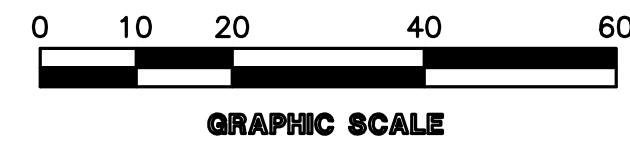
DATE	REVISIONS
04-04-18	11-1645



SITE LAYOUT PLAN

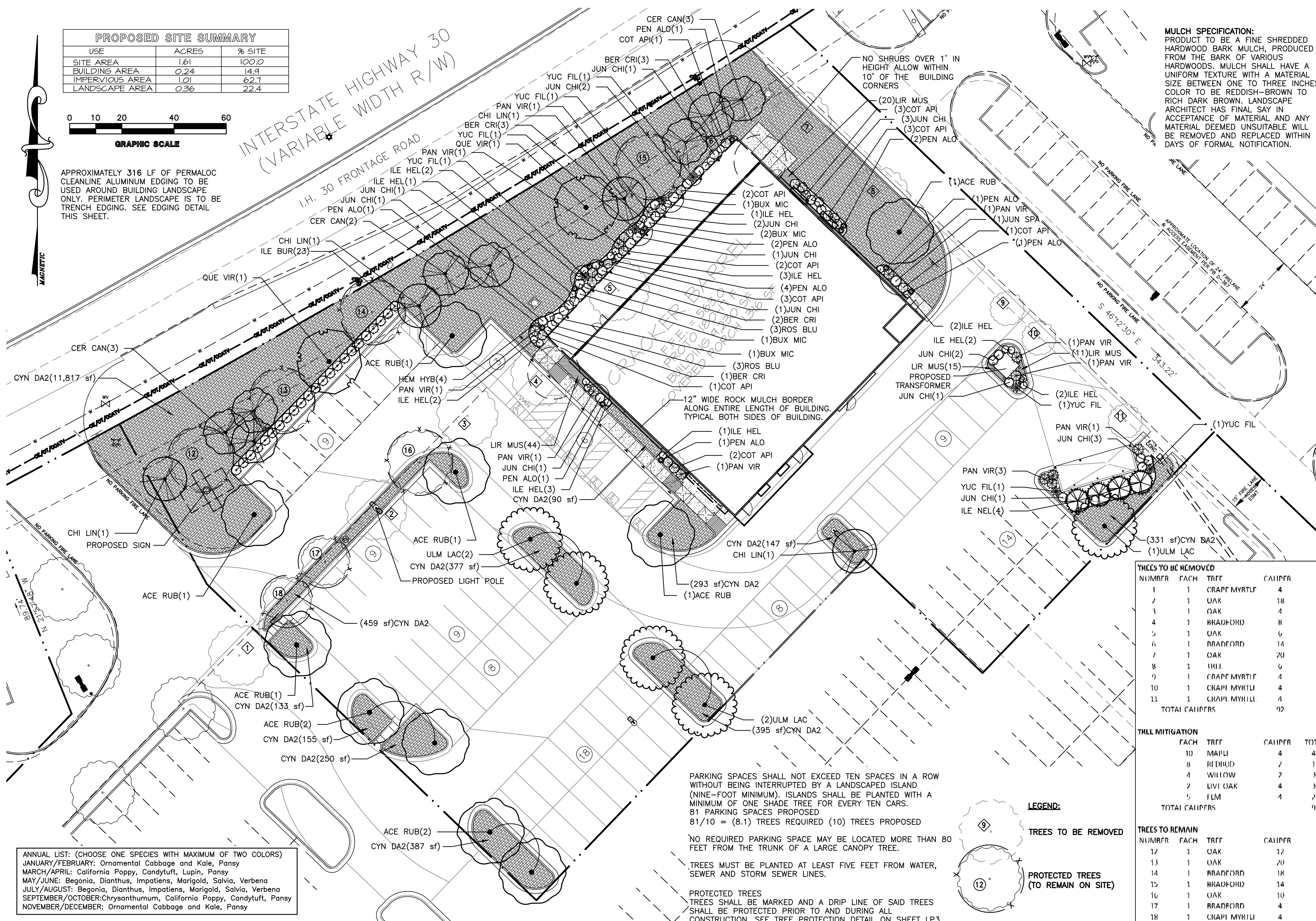
C-1
PROTO 180-117F

PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.01	62.7
LANDSCAPE AREA	0.36	22.4



APPROXIMATELY 316 LF OF PERMALOC CLEANLINE ALUMINUM EDGING TO BE USED AROUND BUILDING LANDSCAPE ONLY. PERIMETER LANDSCAPE IS TO BE TRENCH EDGING. SEE EDGING DETAIL THIS SHEET.

INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)



ANNUAL LIST: (CHOOSE ONE SPECIES WITH MAXIMUM OF TWO COLORS)
 JANUARY/FEBRUARY: Ornamental Cabbage and Kale, Pansy
 MARCH/APRIL: California Poppy, Candytuft, Lupin, Pansy
 MAY/JUNE: Begonia, Dianthus, Impatiens, Marigold, Salvia, Verbena
 JULY/AUGUST: Begonia, Dianthus, Impatiens, Marigold, Salvia, Verbena
 SEPTEMBER/OCTOBER: Chrysanthemum, California Poppy, Candytuft, Pansy
 NOVEMBER/DECEMBER: Ornamental Cabbage and Kale, Pansy

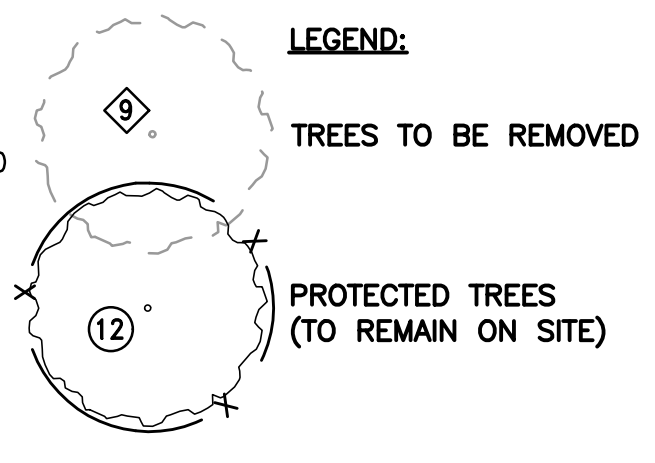
GENERAL NOTES:

- UNDERGROUND UTILITIES:
 - UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811.
 - THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE MADE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.
- CONTRACTOR IS TO VERIFY ALL QUANTITIES SHOWN ON PLAN AND IN LIST. IF DISCREPANCIES OCCUR, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
- THE LANDSCAPE CONTRACTOR WILL BE HELD FINANCIALLY LIABLE FOR ANY DAMAGE CAUSED TO NEWLY POURED CONCRETE DRIVES, CURBING, OR SIDEWALKS BY THE INSTALLATION OF THE IRRIGATION SYSTEM.
- THE LANDSCAPE CONTRACTOR IS TO PERFORM A THOROUGH CLEANUP AND QUALITY CONTROL INSPECTION WITHIN 12 HOURS PRIOR TO THE V.I.P. GRAND OPENING OF THE RESTAURANT.

PLANT SCHEDULE LANDSCAPE (ZONE 8)

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	ZONE	REMARKS	
ACE RUB	10	ACER RUBRUM 'RED SUNSET'	'RED SUNSET' MAPLE	B&B	4" CAL	12"-14' HT	ZONE 7-10	MATCHED TREES	
CER CAN	8	CERCIS CANADENSIS	EASTERN REDBUD	B&B	2" CAL	6'-8' HT	ZONE 4-8	MATCHED TREES	
CHI LIN	4	CHILOPSIS LINEARIS	DESERT WILLOW	B&B	2" CAL	6'-8' HT	ZONE 7-9	FULL TREE	
ILE NEL	4	ILEX X 'NELLIE R STEVENS'	NELLIE STEVENS HOLLY	B&B	6"-8" HT	ZONE 6-9	FULL TO GROUND	FULL TREES	
QUE VIR	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	B&B	4" CAL	10'-12' HT	ZONE 7-10	FULL TREES	
ULM LAC	5	ULMUS PARVIFOLIA 'LACEBARK ELM'	CHEESE ELM TREE	B&B	4" CAL	12"-14' HT	ZONE 4-9	MATCHED TREES	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	ZONE	REMARKS
BER CRI	9	BERBERIS THUNBERGII 'CRIMSON PYGMY'	CRIMSON PYGMY BARBERRY	T.B.D.	18"-21"	30" O.C.	30" O.C.	ZONE 4-8	FULL PLANT
BUX MIC	5	BUXUS MICROPHYLLA 'JAPONICA 'GREEN BEAUTY'	GREEN BEAUTY BOXWOOD	T.B.D.	24"-30"	30"-36"	48" O.C.	ZONE 5-9	FULL PLANT
COT API	18	COTONEASTER APICULATUS	CRANBERRY COTONEASTER	T.B.D.	18"-24"	24"-30"	48" O.C.	ZONE 5-9	FULL PLANT
ILE BUR	23	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	CONT	30"-36"	30"-36"	48" O.C.	ZONE 6-9	FULL PLANT
ILE HEL	19	ILEX CRENATA 'HELERI'	HELIER JAPANESE HOLLY	T.B.D.	12"-15"	15"-18"	30" O.C.	ZONE 5-9	FULL PLANT
JUN CHI	20	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	T.B.D.	15"-18"	24"-30"	48" O.C.	ZONE 4-9	FULL PLANT
JUN SPA	1	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER	T.B.D.	6' MIN. HT	30"-36"	SPACE AS SHOWN	ZONE 4-9	FULL TO GROUND
PAN VIR	12	PANICUM VIRGATUM	SWITCH GRASS	CONT	30"-36"	24"-36"	AS SHOWN	ZONE 4-9	AS SHOWN
PEN ALO	14	PENNISSETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	CONT	10"-12"	SPACE AS SHOWN	SPACE AS SHOWN	ZONE 5-9	SPACE AS SHOWN
ROS BLU	7	ROSA X 'BLUSHING KNOCKOUT'	ROSE	T.B.D.	18"-24"	18"-24"	48" O.C.	ZONE 5-9	48" O.C.
YUC FIL	6	YUCCA FILAMENTOSA	ADAM'S NEEDLE	T.B.D.	18"-24"	18"-24"	36" O.C.	ZONE 4-8	36" O.C.
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	ZONE				
HEM HYB	4	HEMEROCALLIS HYBRID 'STELLA DE ORO'	STELLA DE ORO DAYLILY	1 GAL	ZONE 3-10				
LIR MUS	90	LIRIOPE MUSCARI 'MAJESTIC'	MAJESTIC LIRIOPE	4" POT	ZONE 5-10				
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT	ZONE				
CYN DA2	14,835 SF	CYNODON DACTYLON	BERMUDA GRASS	SOD	ZONE 7-10				

PARKING SPACES SHALL NOT EXCEED TEN SPACES IN A ROW WITHOUT BEING INTERRUPTED BY A LANDSCAPE ISLAND (NINE-FOOT MINIMUM) ISLANDS SHALL BE PLANTED WITH A MINIMUM OF ONE SHADE TREE FOR EVERY TEN CARS.
 81 PARKING SPACES PROPOSED
 81/10 = (8.1) TREES REQUIRED (10) TREES PROPOSED
 NO REQUIRED PARKING SPACE MAY BE LOCATED MORE THAN 80 FEET FROM THE TRUNK OF A LARGE CANOPY TREE.
 TREES MUST BE PLANTED AT LEAST FIVE FEET FROM WATER, SEWER AND STORM SEWER LINES.
 PROTECTED TREES
 TREES SHALL BE MARKED AND A DRIP LINE OF SAID TREES SHALL BE PROTECTED PRIOR TO AND DURING ALL CONSTRUCTION. SEE TREE PROTECTION DETAIL ON SHEET LP3

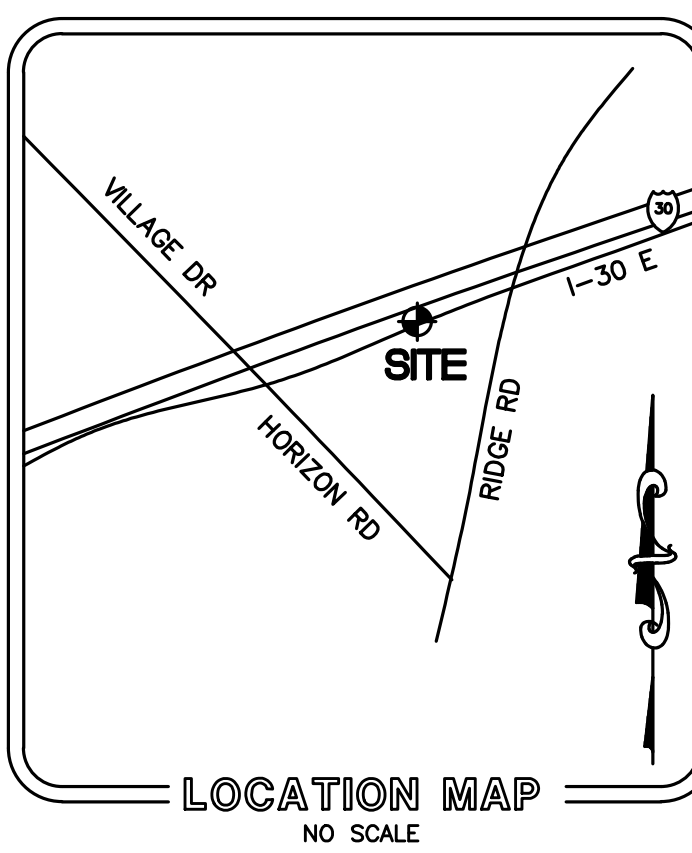


INCHES TO BE REMOVED			
NUMBER	FACH	TRFT	CAIIPFR
1	1	CRAPP MYRTLF	4
2	1	OAK	18
3	1	OAK	4
4	1	BRAID/OHD	8
5	1	OAK	6
6	1	BROADFORD	14
7	1	OAK	20
8	1	HOLL	6
9	1	CRAPP MYRTLF	4
10	1	CRAPP MYRTLF	4
11	1	CRAPP MYRTLF	4
TOTAL CAIIPFRS			92

THLL MITIGATION			
FACH	TRFT	CAIIPFR	TOTAL
10	MAPLE	4	40
8	HOLL	7	16
4	WILLOW	2	8
2	LVI OAK	4	8
5	ULM	4	20
TOTAL CAIIPFRS			92

TREES TO REMAIN			
NUMBER	FACH	TRFT	CAIIPFR
12	1	OAK	12
13	1	OAK	20
14	1	BROADFORD	18
15	1	BRAID/OHD	14
16	1	OAK	10
17	1	BROADFORD	4
18	1	CRAPP MYRTLF	4
TOTAL CAIIPFRS			82

MULCH SPECIFICATION:
 PRODUCT TO BE A FINE SHREDDED HARDWOOD BARK MULCH, PRODUCED FROM THE BARK OF VARIOUS HARDWOODS. MULCH SHALL HAVE A UNIFORM TEXTURE WITH A MATERIAL SIZE BETWEEN ONE TO THREE INCHES. COLOR TO BE REDDISH-BROWN TO RICH DARK BROWN. LANDSCAPE ARCHITECT HAS FINAL SAY IN ACCEPTANCE OF MATERIAL AND ANY MATERIAL DEEMED UNSUITABLE WILL BE REMOVED AND REPLACED WITHIN 3 DAYS OF FORMAL NOTIFICATION.



LEGEND

EXISTING	PROPOSED
CONTOUR	SPOT EL.*
STORM SEWER	TO - TOP OF CURB
SANITARY SEWER	FL - FLOW LINE
MANHOLE	TR - TOP OF RAMP
CLEAN OUT	BR - BOTTOM OF RAMP
WATER LINE	TLIP - TOP OF CONCRETE LIP
OVERHEAD WIRES	BLIP - BOTTOM OF CONCRETE LIP
UNDERGROUND ELEC.	N/A
UNDERGROUND GAS	N/A
CATCH BASIN	N/A
GATE VALVE	N/A
FIRE HYDRANT	N/A
UTILITY POLE	N/A
LIGHT POLE	N/A
PARKING COUNT	N/A

* SPOT ELEVATION ABBREVIATIONS:
 TO - TOP OF CURB
 FL - FLOW LINE
 TR - TOP OF RAMP
 BR - BOTTOM OF RAMP
 TLIP - TOP OF CONCRETE LIP
 BLIP - BOTTOM OF CONCRETE LIP

SPECIAL SIGNAGE NOTE:
 LANDSCAPE CONTRACTOR TO PROVIDE GRAVEL BED 2 FEET OUT FROM PROPOSED SIGN PYLON. BED TO HAVE 4 INCHES OF NATIVE RIVER ROCK 3/4"-1" (OWNER APPROVED) ON TOP OF LANDSCAPE FILTER FABRIC. MULCH BED TO BE CONTAINED BY PERMALOC EDGING (SEE DETAIL ON LP3). PROPOSED BED SHOULD BE HIGHER THAN SURROUNDING GRADE TO ELIMINATE STANDING WATER AROUND AND AGAINST STEEL PYLON.

- LANDSCAPE NOTES:**
- PLANTING BEDS AND PLANT LOCATIONS SHALL BE STAKED BY THE LANDSCAPE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF THE PLANTS.
 - PLANTING BEDS SHALL BE CLEARED OF ALL GRASS AND WEEDS PRIOR TO INSTALLATION OF PLANTS, INCLUDING SPRAYING "ROUND-UP" OR APPROVED SUBSTITUTE TO KILL ACTIVELY GROWING PLANTS. PLANT BEDS SHALL BE PREPARED AS CALLED FOR IN THE SPECIFICATIONS.
 - ALL OTHER DISTURBED AREAS ARE TO BE SEEDED OR SODDED AS PER THE PLANS. ADDITIONAL SEEDING OR SODDING, IF REQUIRED, WILL BE AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - PLANTING BEDS SHALL HAVE A FOUR (4) INCH DEEP SHREDDED HARDWOOD BARK MULCH OVER THE ENTIRE BED, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - PRIOR TO PLANTING, ALL PLANTED AREAS SHALL BE TREATED WITH A WATER-SOLUBLE HERBICIDE FOR THE NON-SELECTIVE CONTROL OF ANNUAL AND PERENNIAL WEEDS PRIOR TO PLANTING.
 - ALL TREE AND SHRUB PLANTING PITS SHALL BE BACKFILLED WITH A PLANTING SOIL MIXTURE OF ONE (1) PART PEAT MOSS, THREE (3) PARTS NATIVE OR APPROVED TOPSOIL AND ONE (1) PART SAND, THOROUGHLY MIXED. SAMPLE OF MIXTURE TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
 - PLANT GROUNDCOVER & ANNUAL BEDS IN SAME MIXTURE AS SHRUBS. AFTER PLANTING & MULCHING, WATER AREAS TO POINT OF SATURATION.
 - ALL PLANTED AREAS ARE TO BE FERTILIZED WITH GRANULAR FERTILIZER. LANDSCAPE CONTRACTOR IS TO PROVIDE SOIL TEST RESULTS AND PROPOSED FERTILIZER APPLICATION RATES TO THE OWNER OR OWNER'S REPRESENTATIVE FOR APPROVAL.
 - ALL PLANT MATERIAL IS TO BE NURSERY GROWN AND TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z601-CURRENT ADDITION).
 - SPRAY TREES AND SHRUBS WITH AN ANTI-DESICCANT IF FOLIAGE IS PRESENT.
 - EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN THE SAME MANNER AS DECIDUOUS MATERIAL IS PLANTED.
 - DO NOT PRUNE ANY PLANT MATERIAL UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - ALL LANDSCAPE MATERIAL SHALL BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION. MATERIALS MAY BE VIEWED AT LANDSCAPE CONTRACTOR'S HOLDING SITE OR AT THIS SITE. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF THE AVAILABILITY OF THE MATERIALS TO BE INSPECTED.
 - ALL MATERIALS INSPECTED ON THE SITE AND FOUND TO BE UNACCEPTABLE SHALL BE REMOVED FROM THE SITE ON THE DAY OF INSPECTION.
 - FIELD CHANGES AND SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - EXISTING PLANT MATERIAL IS TO BE EVALUATED BY THE LANDSCAPE ARCHITECT FOR POSSIBLE RELOCATION ON SITE. THE LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT FORTY-EIGHT (48) HOURS BEFORE BEGINNING WORK.
 - ALL PLANT MATERIAL SHALL BE SUPPLIED BY APPROPRIATE SOURCES TO PREVENT UNDUE STRESS OR PROLONGED ACCLIMATIZATION WHICH WOULD INHIBIT PLANT GROWTH.
 - LANDSCAPE CONTRACTOR IS TO VERIFY PLANT QUANTITIES SHOWN ON PLAN AND IN LIST. IF DISCREPANCIES OCCUR, LANDSCAPE CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
 - IF NO METAL EDGING IS TO BE USED (SEE PLANS), PROVIDE 4" DEEP CONTINUOUS MULCHED TRENCH AT EDGE BETWEEN BED & TURF. LOCATE 6" FROM DRIPLINE OF OUTER ROW OF SHRUBS, OR AT EDGE OF GROUNDCOVER.
 - NO METAL EDGING SHOULD BE INSTALLED BETWEEN CONCRETE (CURB OR SIDEWALK) AND ADJACENT MATERIAL (SOD OR MULCH).
 - LANDSCAPE CONTRACTOR IS RESPONSIBLE TO WASH DOWN THE PARKING LOT AFTER PLANTING INSTALLATION IS COMPLETE.
 - CONTRACTOR SHALL REMOVE ALL TREE STAKING MATERIAL AT THE END OF THE ONE YEAR WARRANTY.
 - ALL SHRUBS AND EVERGREEN TREES, EXCEPT AS NOTED**, SHALL BE PLANTED AND MAINTAINED IN THEIR NATURAL FORM TO CREATE A PLANT MASSING EFFECT. NO "GUMDROP" PRUNING IS ALLOWED.

I-H 30 OVERLAY DISTRICT
 299 LF OF PROPERTY LINE - 18' ACCESS = 281 LF
 281' / 100 = 2.81 MULTIPLIER

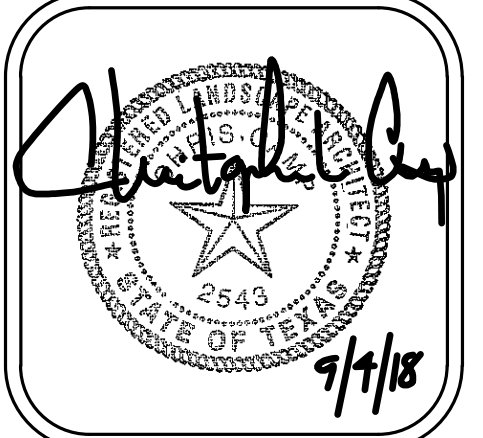
	ORDINANCE	MULTIPLIER	REQUIRED	EXISTING	PROPOSED
* 4" CANOPY	2	2.81	5.62	4	11
4' UNDERSTORY	4	2.81	11.24	-	11
** SHRUBS	CONTINUOUS	NA	-	-	YES

- * EACH STREET SHALL BE PLANTED WITH A FOCUS ON ONE SPECIES TO REINFORCE STREET CHARACTER.
 ** SURFACE PARKING LOTS SHALL BE SCREENED FROM ALL ADJACENT PUBLIC STREETS AND NEIGHBORING SITES. THE SCREEN MUST EXTEND ALONG ALL EDGES OF THE PARKING LOT AND MUST BE THREE FEET IN HEIGHT, 80 PERCENT OPAQUE, AND MAY BE ACCOMPLISHED THROUGH THE USE OF MASONRY WALLS, ORNAMENTAL METAL, EVERGREEN PLANT MATERIALS, OR A COMBINATION THEREOF. PLANTING BEDS FOR SCREEN PLANTING SHALL BE A MINIMUM OF THREE FEET IN WIDTH.
 THE TOTAL NUMBER OF CALIPER INCHES OF TREE BEING REPLACED SHALL EQUAL THE TOTAL NUMBER OF CALIPER INCHES BEING REMOVED. TREES USED FOR OVERLAY DISTRICT STREET TREES AND PARKING LOT TREES ARE COUNTED.

CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER:

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087

Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, Tn. 37087



LOSE DESIGN
 SPACES FOR LIFE.

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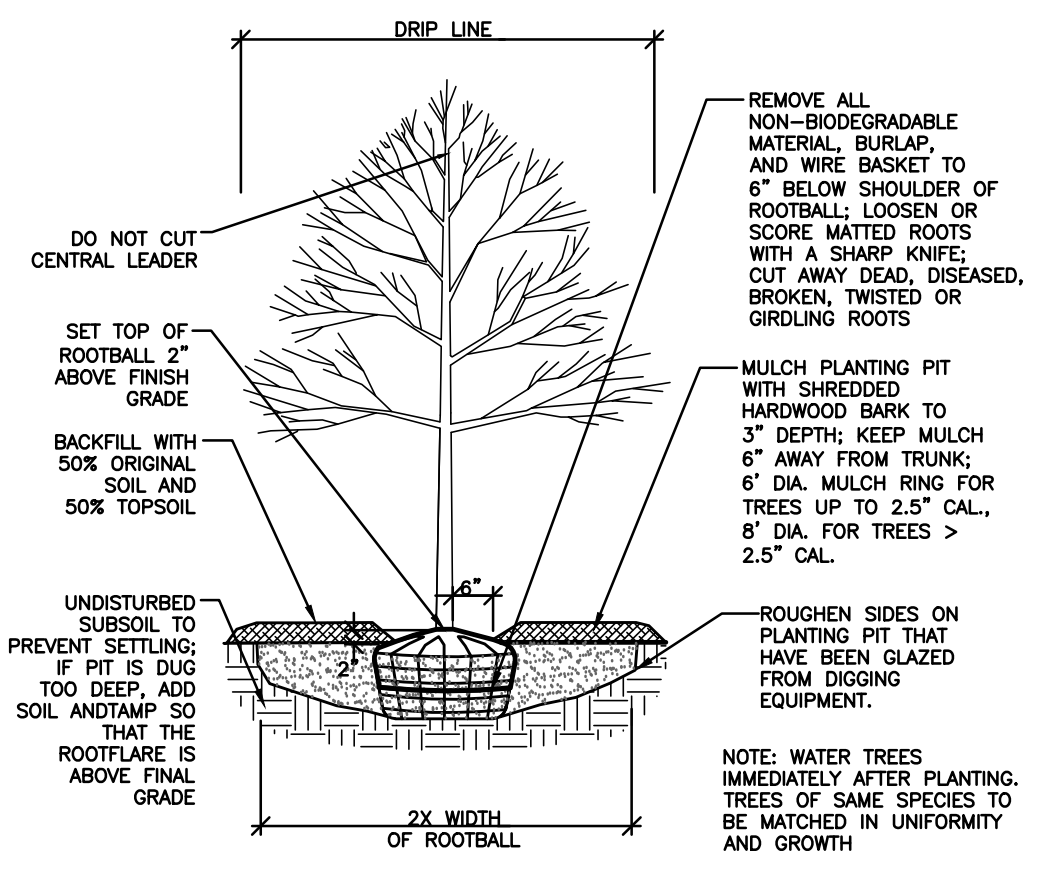
DATE: 04-04-18
 PROJECT NO.: LA18033

REVISIONS

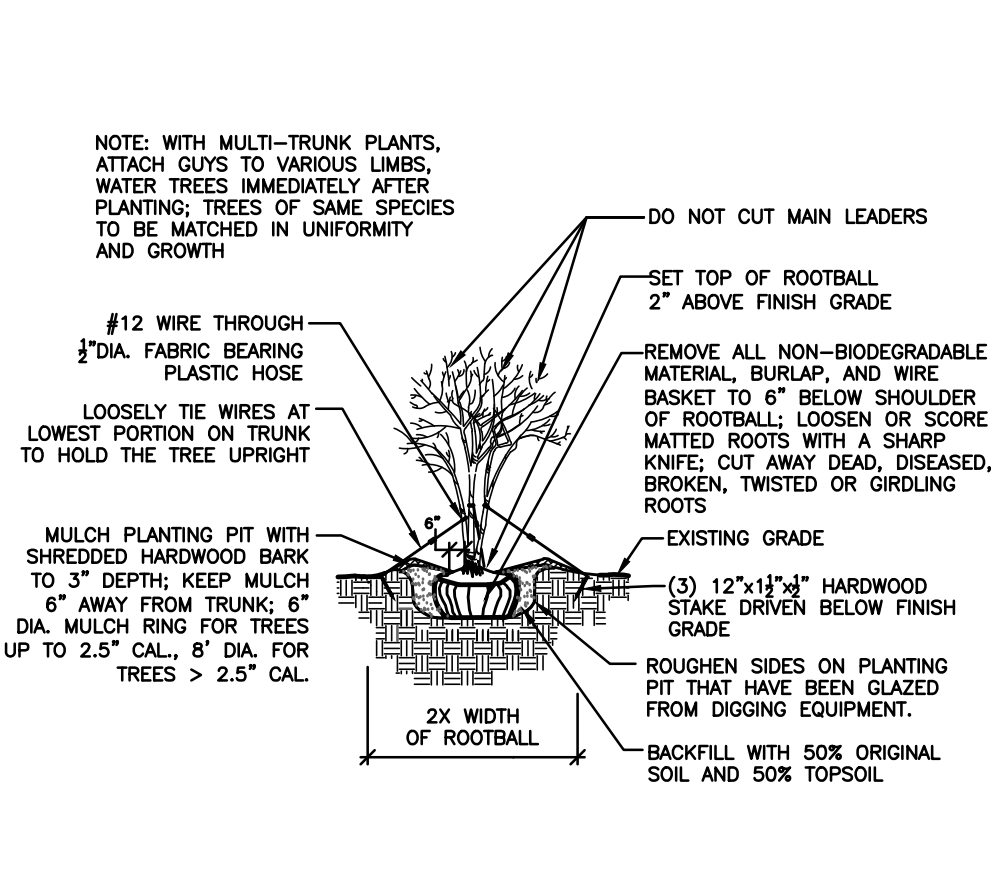


LANDSCAPE PLAN

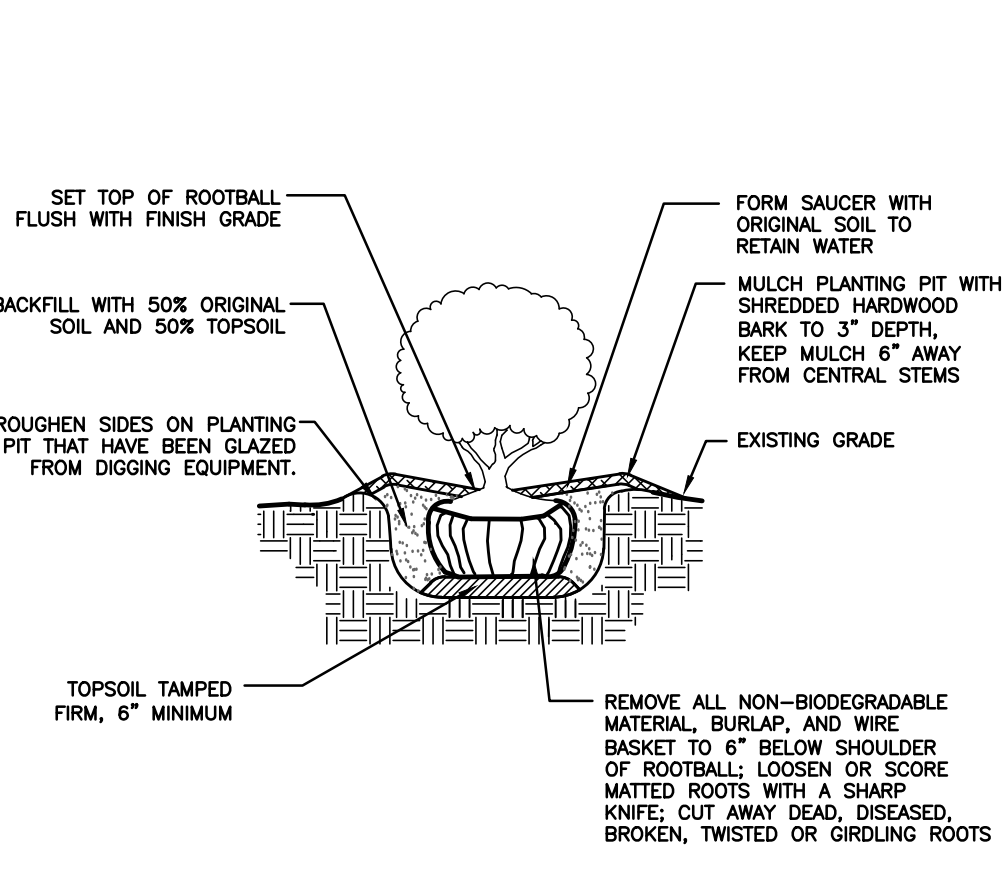
LP1
 PROTO 180-11F



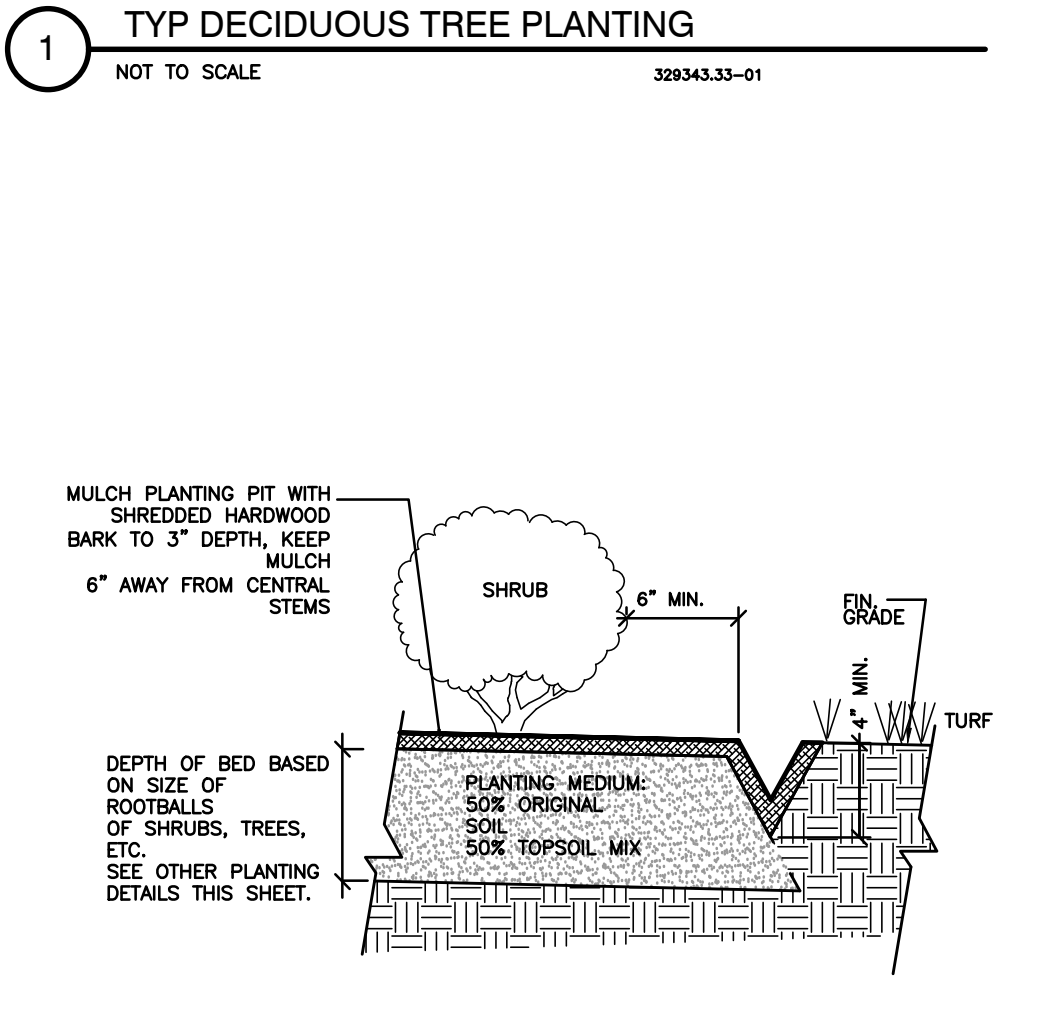
1 TYP DECIDUOUS TREE PLANTING
NOT TO SCALE
32943.33-01



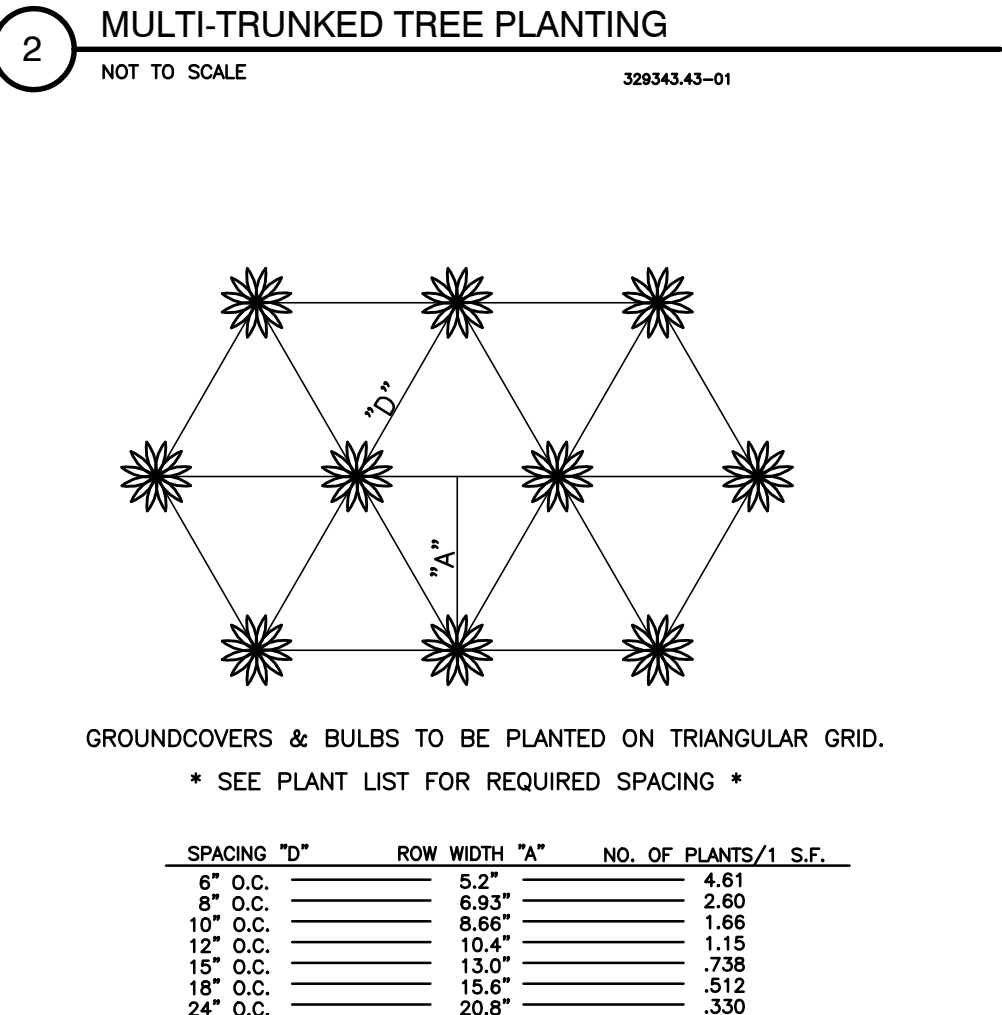
2 MULTI-TRUNKED TREE PLANTING
NOT TO SCALE
32943.43-01



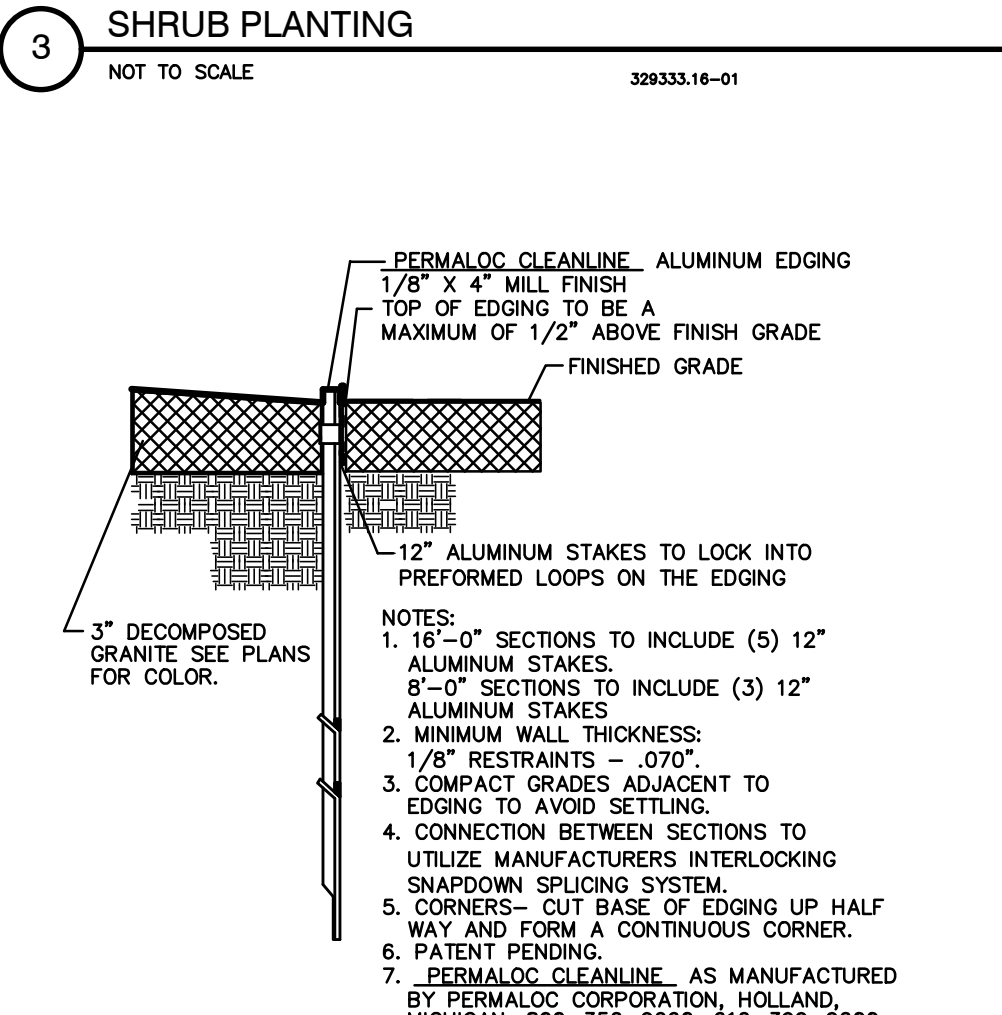
3 SHRUB PLANTING
NOT TO SCALE
32943.14-01



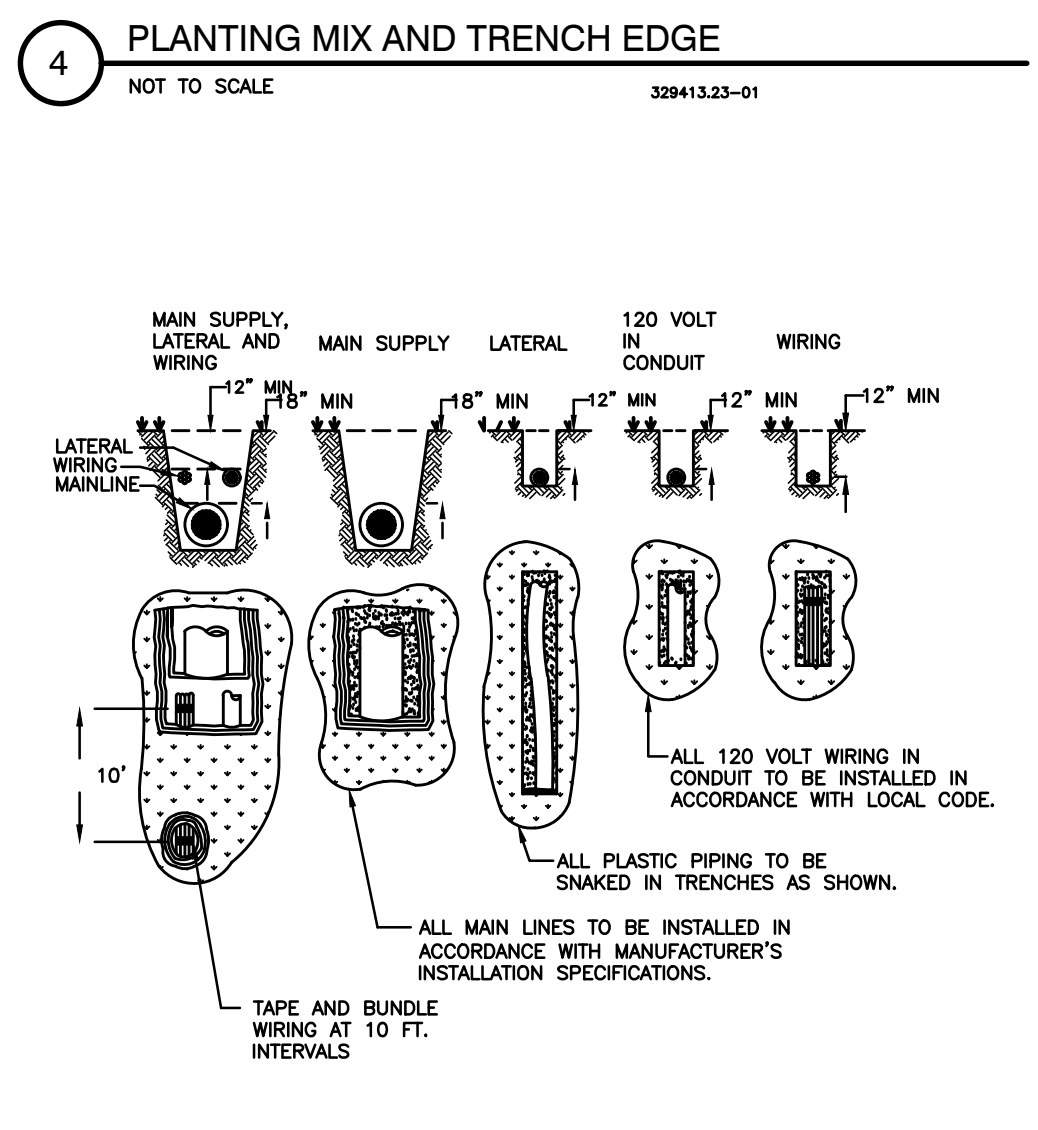
4 PLANTING MIX AND TRENCH EDGE
NOT TO SCALE
32943.33-01



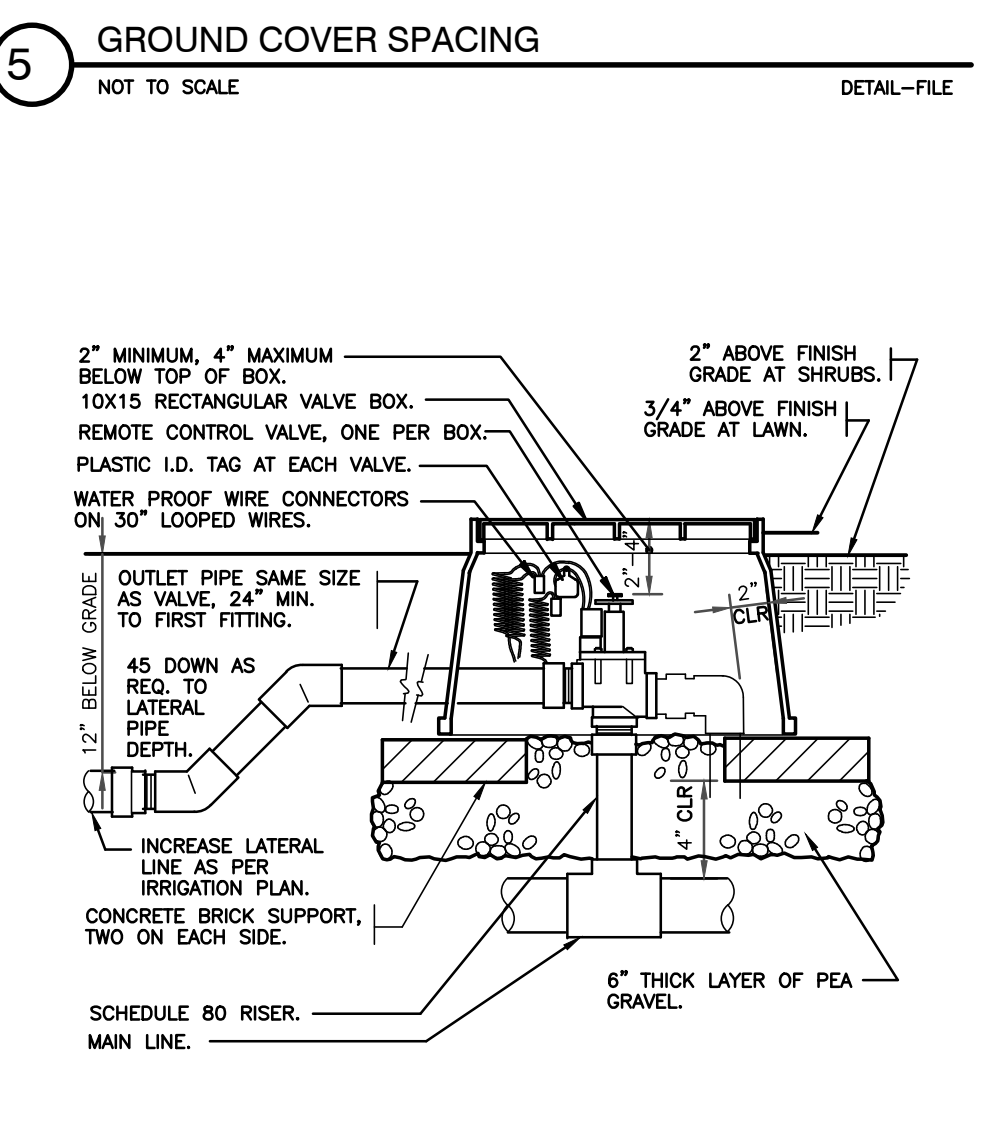
5 GROUND COVER SPACING
NOT TO SCALE
DETAIL-FILE



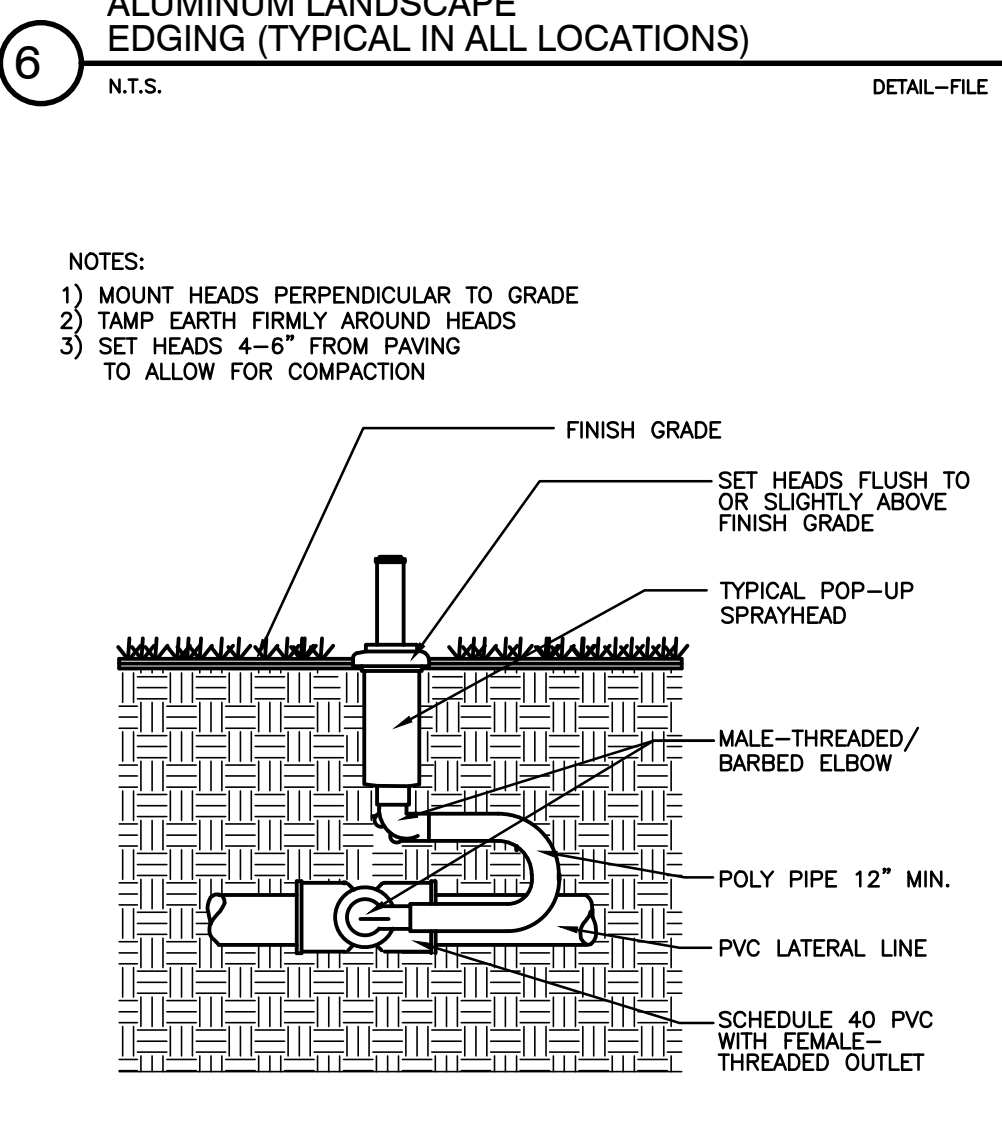
6 ALUMINUM LANDSCAPE EDGING (TYPICAL IN ALL LOCATIONS)
N.T.S.
DETAIL-FILE



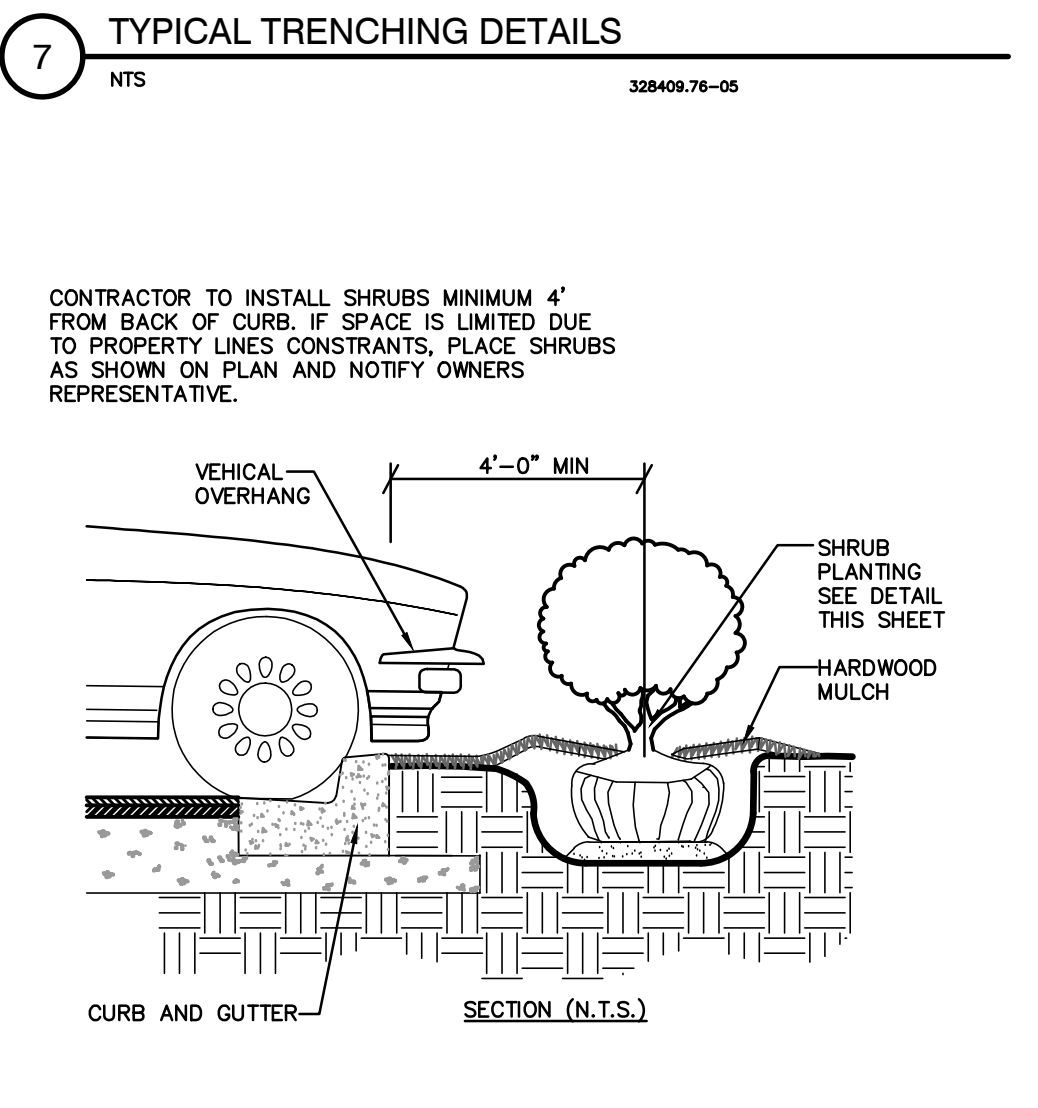
7 TYPICAL TRENCHING DETAILS
N.T.S.
329406.78-05



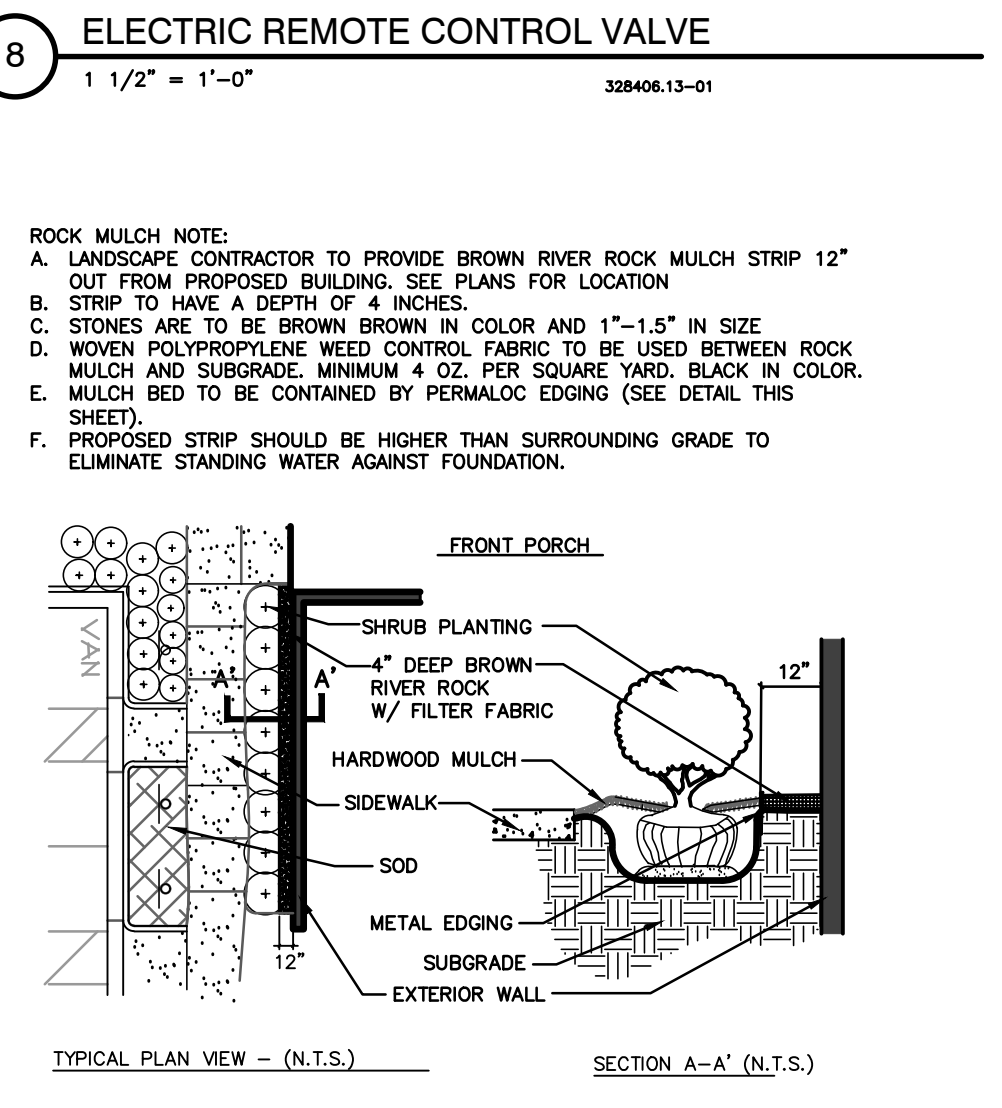
8 ELECTRIC REMOTE CONTROL VALVE
1 1/2" = 1'-0"
329406.13-01



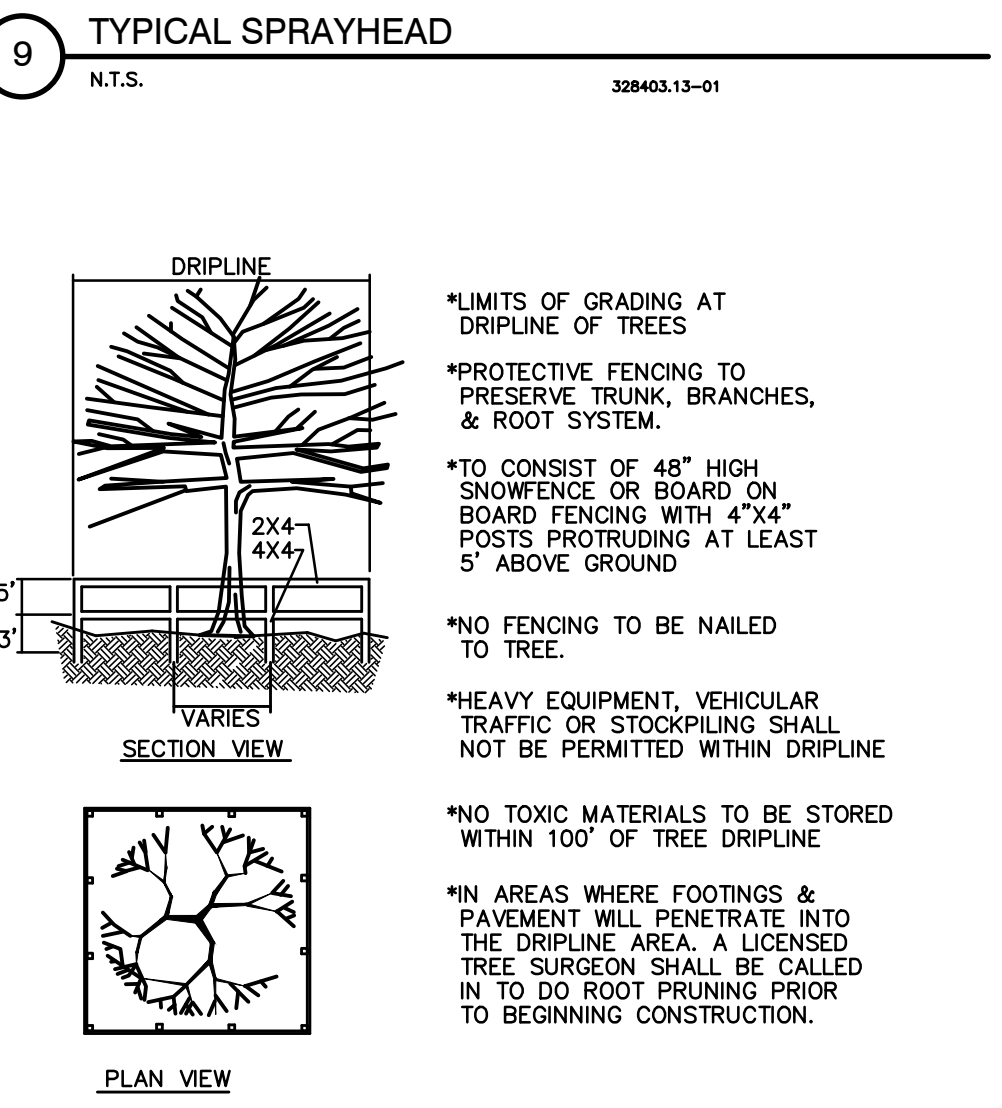
9 TYPICAL SPRAYHEAD
N.T.S.
329403.13-01



10 PERIMETER SHRUB PLANTING
N.T.S.
329433.93-01



11 ROCK MULCH BARRIER
N.T.S.
3294-03



12 TREE PROTECTION
N.T.S.
32943.32-01

GENERAL CONDITIONS

1. TERMS DEFINED
Wherever in this Contract the term "Owner" is used it shall refer to the Cracker Barrel Old Country Store, the party of the first part to this Contract. Wherever in this Contract the term "Contractor" is used, it shall refer to the party of the second part of this Contract.

2. CONTRACTOR'S UNDERSTANDING
It is understood and agreed that the Contractor has, by his examination, satisfied himself as to the nature and location of the work, the character of the ground, the character, quality and quantity of the materials to be encountered, the character of equipment and facilities needed preliminary to and during the prosecution of the work, the general and special conditions, and all other matters which can in any way affect the work under the Contract. No verbal agreement or conversation with any officer, representative, agent or employee of the Owner, either before or after the execution of this Contract, may affect or modify any of the terms or obligations herein contained.

3. INTENT OF PLANS AND SPECIFICATIONS
All work that may be called for in the specifications and not shown in the plans, or shown on the plans and not called for in the specifications, shall be executed and furnished by the Contractor as if described in both ways, and should any work or material be required which is not denoted in the specifications or plans, the Contractor shall do such work and furnish such materials at the unit bid price where a unit bid is applicable, or where the work and material is not covered by a unit price, the Contractor shall be required to do work as hereinafter specified under "Unclassified Work", page 04-C.

4. PERMITS
Permits of a temporary nature necessary for the prosecution of the work shall be secured by the Contractor. Permits for permanent structures or permanent changes in existing facilities shall be secured by the Owner.

5. PROTECTION
Whenever the local conditions, laws or ordinances require, the Contractor shall furnish and maintain, at his own expense and cost, necessary structures or permanent changes in existing facilities and means of protection as may be required to provide safe conditions at all times.

6. RIGHTS OF VARIOUS INTEREST
Whenever work being done by Owner's forces or by other contractors is contiguous to work covered by this Contract, the respective rights of the various interests involved shall be established by Cracker Barrel's Representative to secure the completion of the various portions of the work in general harmony.

7. CONSENT TO TRANSFER
The Contractor shall NOT let or transfer this Contract or any part thereof (except for the delivery of material) without consent of the Owner, given in writing. Such consent does not release or relieve the Contractor from any of his obligations and liabilities under this Contract.

8. SITE SUPERVISION
The Contractor shall constantly supervise all the work embraced in this Contract in person or by a duly authorized manager acceptable to the Owner.

9. TIMELY DEMAND FOR INSTRUCTIONS
The Contractor shall provide reasonable and necessary opportunities and facilities for review of all phases of work covered by this Contract. He shall not proceed until he has made timely demand upon Cracker Barrel's Representative for, and has received from him, such instructions as may be necessary as the work progresses. The work shall be done in strict conformity with such instructions. The Contractor shall furnish Cracker Barrel's Representative with his force, sufficient and competent help for any field work in connection with the project which Cracker Barrel's Representative may require. The Contractor shall employ diligence and care in protecting all points and stakes approved by Cracker Barrel's Representative.

10. PLANS AND DETAILS
The Contractor shall check the drawings and in the event that errors are detected herein, shall immediately advise Cracker Barrel's Representative of such errors. The Cracker Barrel's information in a timely manner.

11. REPORT ERRORS AND DISCREPANCIES
If the Contractor, in the course of the work, finds any discrepancy between the plans and the physical conditions of the locality or any errors or omissions in plans or in the layout as given by said instructions, it shall be his duty to immediately inform Cracker Barrel's Representative, in writing, and Cracker Barrel's Representative will promptly verify the same. Any work done after such discovery, until authorized, will be done at the Contractor's risk.

12. INSPECTIONS
All work and materials shall be open to the inspection, acceptable and rejection of Cracker Barrel's Representative or his duly authorized representative at all times. The Contractor shall give Cracker Barrel's Representative reasonable notice before starting any new work, and shall provide reasonable and necessary facilities for inspection even to the extent of taking out portions of finished work.

13. DEFECTIVE WORK OR MATERIALS
The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill his Contract as herein prescribed, and defective work shall be made good and unsuitable materials may be rejected, notwithstanding that such work and materials have been previously overlooked by Cracker Barrel's Representative and accepted or estimated for payment. If the work or any part thereof shall be found defective before the final Acceptance of the work, the Contractor shall forthwith make good such defect, without compensation, in a manner satisfactory to Cracker Barrel's Representative, and if any materials brought upon the ground for use in the work or selected for same shall be condemned by Cracker Barrel's Representative as unsuitable or not in conformity with the specifications, the Contractor shall fail to replace such defective work or materials after reasonable notice, Cracker Barrel's Representative may cause such defective work or materials to be replaced and the expense thereof shall be deducted from the amount to be paid the Contractor.

14. INDEMNITY
The Contractor shall indemnify, protect and save harmless Cracker Barrel, his Representative, his Landscape Architect and their officers and agents, from all suits or claims of every name or description brought against Cracker Barrel, his Representatives, officers and/or agents for or on account of any losses, injuries or damages to persons or property received or sustained by any person or persons, or from the Contractor, his servants or agents in or on account of work done under the Contract or extensions of or additions thereto, whether caused by negligence or not, or in consequence of any negligence in guarding the same, or by or on account of any improper materials used in its construction or by or on account of any accident or of any acts of omission of the Contractor, his servants or agents, and the Contractor further agrees that so much of the money due to him under this Contract as shall be considered necessary by the Owner, may be retained until all such suits or claims for damages aforesaid have been settled, and evidence to that effect has been furnished to the satisfaction of the Owner.

15. SETTLEMENT FOR WAGES AND MATERIALS
If at any time during the progress of said work, said Contractor shall fail or neglect to pay for any labor performed, transportation charges, materials furnished, or tools, machinery, appliances, fuel, provisions, or supplies of any sort or kind used or consumed in, upon, or on account of said work, for the ten (10) days after payment for same shall become due, then the Owner shall have the power to pay for such labor, or for such transportation charges, materials, tools, machinery, appliances, fuel, provisions or supplies, and the amount so paid shall be retained out of the money due to or to become due to said Contractor, and said Owner may refuse to make the payment hereinafter mentioned to the extent of such indebtedness until satisfactory evidence in writing has been furnished and said indebtedness has been discharged. In any such case, said Owner is hereby authorized and empowered by said persons or corporations for labor, transportation charges, materials, tools, machinery, appliances, fuel, provisions or supplies of any sort or kind used or consumed upon, in or on account of work covered by this Contract in such manner upon such proof as the Owner may deem sufficient.

16. RISK
The Contractor shall take all responsibility for the work, shall bear all losses resulting to him on account of the amount and character of the work, or because the nature of the land in or upon which the work is done is different from what is assumed or what is expected, or on account of the weather, floods, or other causes until substantial Acceptance by Cracker Barrel's Representative.

17. ORDER AND DISCIPLINE
The Contractor shall at all times enforce strict discipline and good order among his employees, and any superintendent, foreman or other employee of the Contractor who shall appear to be incompetent, disorderly, or in any way disqualified or unfaithful to the work entrusted to him, or who Cracker Barrel's Representative may consider prejudicial to the prosecution of the work, shall be discharged immediately upon the request of Cracker Barrel's Representative and shall not again be employed on the work without the Owner's written consent.

18. CLEAN UP
On completion of the work, or any part thereof, all surplus material, temporary structures built by the Contractor, and/or debris resulting from construction or removal, etc., are to be removed and the site of the work left in a neat and orderly condition subject to the approval of Cracker Barrel's Representative. No special payment will be made for the removal of debris, its cost and value being covered by the price paid for the construction and materials. The work will not be accepted or the Contract considered complete until the work of cleaning up is also finished.

19. AUTHORITY OF OWNER'S AGENT
Cracker Barrel's Representative shall have the authority to reject or condemn all work or materials which do not conform to this Contract, to direct application of forces to any portion of the work which, in his judgment, requires it; to order forces increased or diminished, and to decide questions which arise between the parties relative to the execution of the work. All questions or controversies which may arise between the Contractor and Cracker Barrel's Representative under or in reference to this Contract shall be subject to the decision of the Owner, and this decision shall be final and conclusive upon both parties.

20. UNCLASSIFIED WORK
In case any work shall be required to be furnished whether specified herein or indicated on the plans or not, or whether or not such work is typical work listed in the proposal which is, in the opinion of Cracker Barrel's Representative, not susceptible of classification under the Schedule of Unit Prices, the Contractor shall and will, if ordered by Cracker Barrel's Representative, do and perform such work and furnish such materials as may be required. If possible an agreement as to the cost and payment for said additional work will be reached and agreed upon by Cracker Barrel's Representative and Contractor. In the event of failure to reach such satisfactory agreement, the Contractor may be ordered by the Owner to proceed with such work and furnish such materials on a cost plus basis, on which basis the Contractor shall receive the cost of any materials which may be required to purchase plus ten (10%) percent and the cost of any labor which he may be required to supply plus twenty (20%) percent of such net cost after tax for profit, the use of the plant, tools, superintendence, overhead, costs, and all other expenses incidental to the performance of such work and the furnishing of such materials, and the Contractor shall have no further claim in excess of the above; but this method of payment shall not apply to the performance of any work or the furnishing of any materials which in part or in whole is, in the opinion of Cracker Barrel's Representative, susceptible of classification under such schedule which work or material shall be paid for in part or in whole, as the case may be, at the Unit Price given in such schedule, except as herein otherwise expressly provided.

In case any work or material is required to be done or furnished under the provisions of this article for cost plus ten (10%) percent and twenty (20%) percent as stipulated above, the Contractor shall, at the end of each day during the process thereof, furnish to Cracker Barrel's Representative daily time slips showing the name and/or number of each workman employed thereon, the character of work his workmen are doing, and the wage paid or to be paid to him; and also a daily memorandum of the materials delivered on the work showing the amount paid and to be paid therefor. If required, the Contractor shall produce any vouchers, receipts or memoranda showing the work and materials and the price actually paid therefor. Such daily time slips and memoranda shall not, however, be binding upon the Owner and, if any question or dispute shall arise as to the correct cost of such work or material, the determination of Cracker Barrel's Representative upon such question of dispute shall be final and conclusive.

21. CHANGES
Cracker Barrel's Representative shall have the right to increase or diminish the quantities stipulated in any item, eliminate all or any item or items, add to or decrease contract quantities, without impairing the volume of this Contract, or (long as such additions, eliminations or extra work not of a type specified in any item do not increase or diminish the amount of the Contract or the quantities for such work and materials, and the price actually paid therefor, regardless of the quantity shown on the bid sheet. If such alterations diminish the quantity of work to be done more than the above specified percentage, they shall not constitute a claim for damages, or for loss of profits on the work to be dispensed with.

22. UNAVOIDABLE DELAYS - EXTENSION OF TIME
If the Contractor shall be delayed in the performance of the work for any cause for which Cracker Barrel's Representative is responsible, he shall, upon written application to the Owner at the time of such delay, be granted such extension of time as the Owner shall deem equitable and just.

23. SUSPENSION OF WORK
Should Cracker Barrel's Representative deem it necessary to suspend operations on the work due to severity of the weather, he may notify the Contractor in writing to suspend operations on the entire project or any part thereof, and in the event of such suspension, the Contractor shall not be entitled to any extension of time equivalent to the time of the suspension of the work. The Contractor shall not be entitled to any extension of time equivalent to the time of the suspension of the work. The Contractor shall not be entitled to any extension of time equivalent to the time of the suspension of the work. The Contractor shall not be entitled to any extension of time equivalent to the time of the suspension of the work.

24. EXPEDITING WORK
a. Correcting Imperfections: If Cracker Barrel's Representative at any time be of the opinion that the Contractor is neglecting to remedy any imperfection in the work, or is not progressing with the work as fast as necessary to insure its completion within the time and as required by the Contract, or is otherwise violating any of the provisions of this Contract, said Representative shall have the power, and it shall be his duty to notify the Contractor to remedy such imperfections and/or proceed more rapidly with said work, or otherwise comply with the provisions of this Contract.
b. ANNULLMENT: In such case the Owner may give the Contractor forty-eight (48) hours written notice, and at the end of that time, if the Contractor continues to neglect the work, the Owner may provide labor and materials and deduct the cost from any money due the Contractor under this Contract; and may terminate the employment of the Contractor under this Contract and take possession of the premises and of all materials, tools and appliances, thereon, and employ such forces as may be necessary to finish the work. In such case the Contractor shall receive no further payment until the work shall be finished, when, if the unpaid balance that would be due under this Contract exceeds the cost to the Owner of finishing the work, such excess shall be paid to the Contractor; but if such cost exceeds such unpaid balance the Contractor shall pay the difference to the Owner.
c. OWNER MAY DO PART OF WORK: Upon failure of the Contractor to comply with any notice given in accordance with the provisions herein, the Owner shall have the alternative right, instead of assuming charge of the entire work to place additional forces, tools, equipment, and materials on parts of the work for the purpose of carrying on such parts of the work, and the Contractor shall receive no payment for such parts of the work until the entire work is finished, when the Contractor shall be deemed to be carried on by the Owner on account of the Contractor, and Contractor shall be allowed therefor, the Contract Price. The Owner may retain the amount of the cost of such work, with seven (7%) percent a day for any such sum or sum due or to become due the Contractor under this Contract.

25. PAYMENT TO CONTRACTOR
At the end of each thirty (30) days following the date stated above as the starting date for the work under this Contract, the Contractor shall render to the Owner a statement of the quantities verified by Cracker Barrel's Representative. Cracker Barrel's Representative shall pay to the Contractor ninety (90%) percent of the verified totals of the quantities so estimated within thirty (30) days after the time stipulated above for making said estimate.

After final inspection by Cracker Barrel's Representative and Acceptance by the Owner, the Owner shall pay to the Contractor the full amount due him under this Contract including the amounts withheld from previous payments within forty-five (45) days of said Acceptance. All prior estimates, upon which partial payments have been made being mere estimates, shall be subject to adjustment in the final certification. Before final payment is made, the Contractor shall show to the Owner satisfactory evidence that all just liens, claims and demands of his employees or from parties from whom material used in the construction of the work may have been purchased have been fully satisfied, and that the material furnished and the work done are fully released from all such liens, claims and demands.

26. ACCEPTANCE
The work shall be inspected for acceptance by Cracker Barrel's Representative within ten (10) days upon receipt of notice in writing from the Contractor that the work is ready for such inspection.

27. INSURANCE
The Contractor shall comply with the laws of the State of TEXAS, regarding employment and payment of employees, and shall maintain insurance satisfactory to the Owner to protect both himself and the Owner from claims under Workmen's Compensation act and from any other demands for personal injury, including deaths, which may arise from operations under this Contract whether such operations be by himself or by any subcontractor or anyone directly or indirectly employed by either of them. Certificates of such insurance shall be filed with Cracker Barrel's Representative and shall be subject to his approval for adequacy of protection.
The Contractor shall furnish the Owner Certificates of insurance evidencing such protection. The Contractor shall provide and maintain Workmen's Compensation Insurance for all of his employees employed at the site of the work; Public Liability and Contingent or Protective Insurance as shall protect himself and the Owner from any and all claims that may arise from operation under this Contract. The amounts of such insurance shall be as follows:
Public Liability in an amount not less than \$500,000.00 for any one injury and not less than \$1,000,000.00 for any one accident; Property Damage not less than \$500,000.00 as a result of any one accident and not less than \$1,000,000.00 for damages during the term of the policy. The Contractor shall also provide and maintain Automobile Public Liability and Property Damage Insurance such as shall protect him from bodily injury liability for not less than \$500,000.00.
The Contractor is advised that the Owner is not liable for the safety, security, or condition of his equipment or materials.

28. TIME AND RESPONSIBILITIES
The work under this Contract shall be supervised by the Cracker Barrel Old Country Store, Inc., Lebanon, Tennessee, herein call the Owner, and the Contractor shall be responsible to said corporation as well as to Cracker Barrel's Representative for the proper execution of said Contract.
The Contractor shall commence the work as directed by the Owner after Contract signing, and shall complete the work according to the Contract plans and specifications by the specified date indicated under Information for Bidders.

29. FAILURE TO COMPLETE THE WORK IN TIME SPECIFIED
Should the Contractor fail to complete the work within the time specified herein, the Owner shall withhold \$50.00 per day for each day of suitable work weather, except for Sundays and legal holidays, that the Contractor requires, after the date specified herein, to complete the work. Such monies withheld is no-wise a penalty but shall be compensation for liquidated damages, and additional cost suffered by the Owner due to failure of the Contractor to complete the work with in the time specified.

30. GUARANTEE
The Contractor shall guarantee all materials, equipment, and workmanship against defects for a period of 1 year as set forth in the following technical specifications. Any failure of materials during this period shall be replaced at no additional cost to the Owner.

CONTRACTOR TO LAYOUT LANDSCAPE BEDS AND BEDLINES USING A 1' GRID SYSTEM. THIS WILL ENABLE THE CONTRACTOR INSTALL PLANT MATERIAL AS DESIGNED BY THE LANDSCAPE ARCHITECT. IF THERE IS ANY DEVIATION FROM THE PLAN, CONTRACTOR WILL NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY. STARTING POINTS FOR CONTROL GRID ARE BASED ON EXISTING HARDSCAPE ELEMENTS. REFERENCE POINTS FOR THIS PLAN ARE BASED ON A POINT WHERE THE SIDEWALK MEETS THE FRONT PORCH.

13 LANDSCAPE BED LAYOUT
N.T.S.
32943.32-01
1"=10'-0"

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -09
CRACKER BARREL
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 76087
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Cracker Barrel
P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087

9/1/18

LOSE DESIGN SPACES FOR LIFE

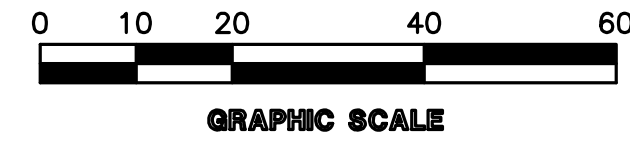
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DATE: 04-04-18
PROJECT NO.: LA181933
REVISIONS:
DATE: 04-04-18
PROJECT NO.: LA181933

STANDARD DETAILS
LP3

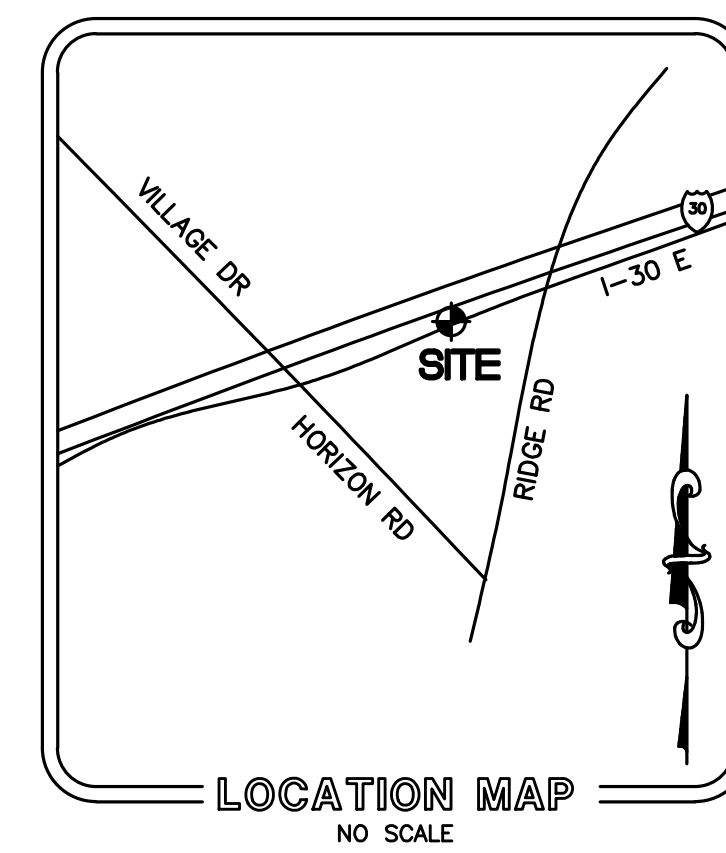
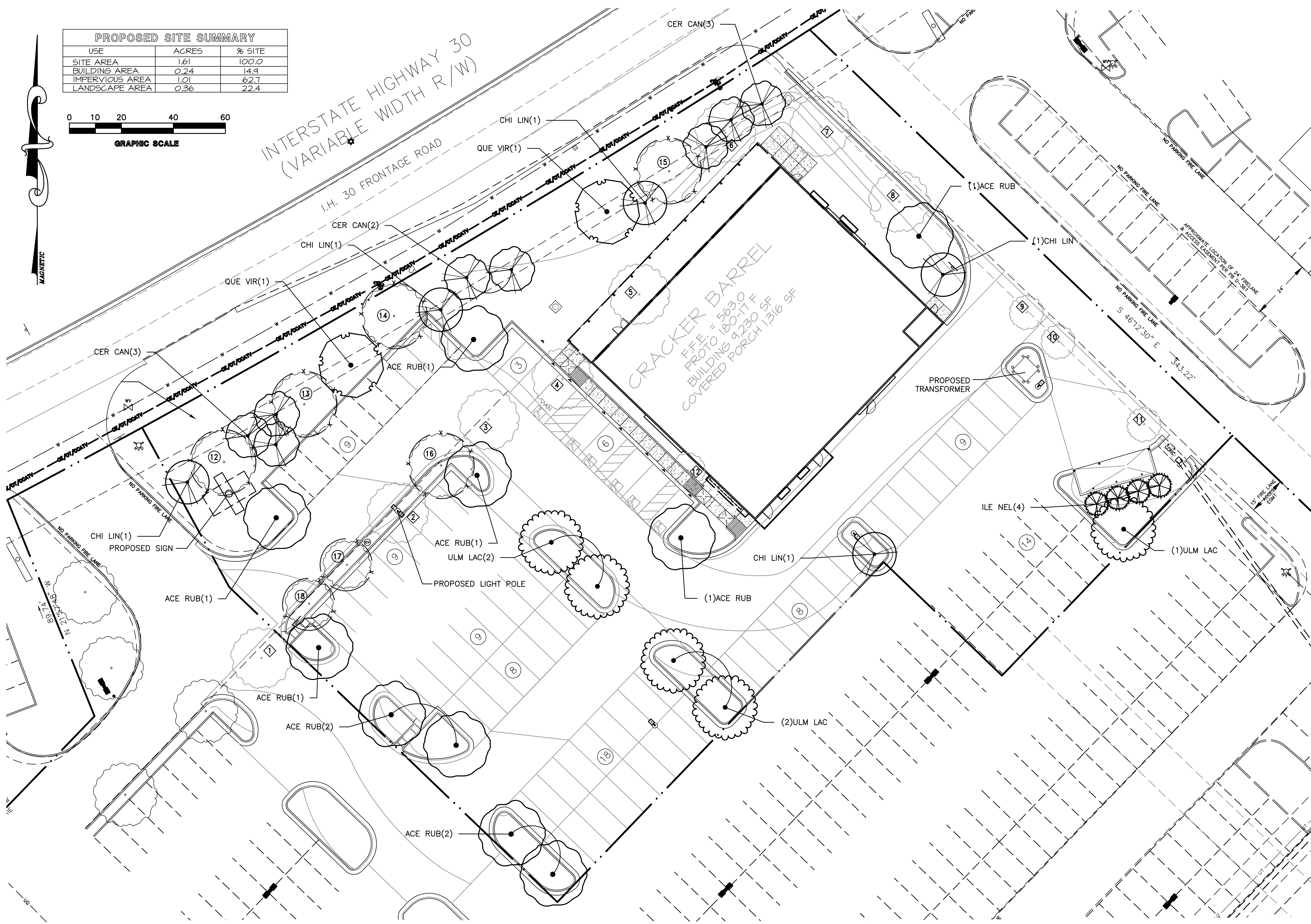
STANDARD DETAILS
LP3

PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.01	62.7
LANDSCAPE AREA	0.36	22.4



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)

I.H. 30 FRONTAGE ROAD



LEGEND	
EXISTING	PROPOSED
—	CONTOUR
—	SPOT EL.*
—	STORM SEWER
—	SANITARY SEWER
○	MANHOLE
—	CLEAN OUT
—	WATER LINE
—	OVERHEAD WIRES
—	UNDERGROUND ELEC.
—	UNDERGROUND GAS
⊠	CATCH BASIN
⊠	GATE VALVE
⊠	FIRE HYDRANT
⊠	UTILITY POLE
⊠	LIGHT POLE
⊠	PARKING COUNT

* SPOT ELEVATION ABBREVIATIONS:
 TG - TOP OF GROUND
 FL - FLOW LINE
 TR - TOP OF RAMP
 BR - BOTTOM OF RAMP
 TLIP - TOP OF CONCRETE LIP
 BLIP - BOTTOM OF CONCRETE LIP

TREES TO BE REMOVED			
NUMBER	SPECIES	HEIGHT	CALIPER
1	CRAP MYRTLE	4	
2	OAK	18	
3	OAK	4	
4	BRADI ORD	8	
5	OAK	6	
6	BRADI ORD	14	
7	OAK	20	
8	IRB	6	
9	CRAP MYRTLE	4	
10	CRAP MYRTLE	4	
11	CRAP MYRTLE	4	
12	CRAP MYRTLE	2	
TOTAL CALIPERS 94			

TREE MITIGATION			
SPECIES	HEIGHT	CALIPER	TOTAL
10	MAPLE	4	40
8	REDBUD	2	16
2	WILLOW	2	10
2	LVI OAK	4	8
5	ELM	4	20
TOTAL CALIPERS 94			

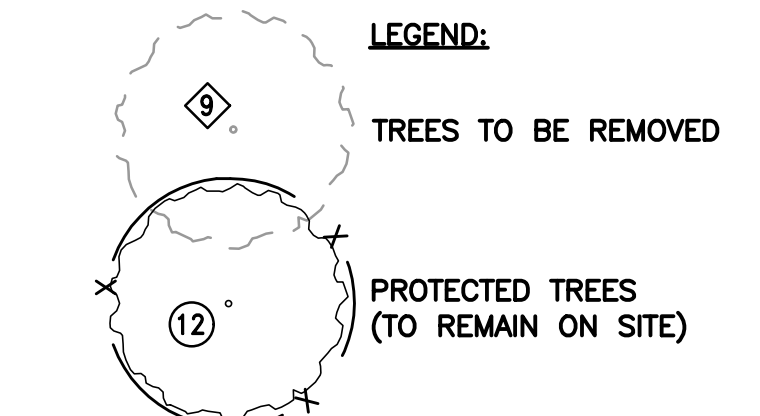
TREES TO REMAIN			
NUMBER	SPECIES	HEIGHT	CALIPER
12	OAK	12	
13	OAK	20	
14	BRADI ORD	18	
15	BRADI ORD	14	
16	OAK	10	
17	BRADI ORD	4	
18	CRAP MYRTLE	4	
TOTAL CALIPERS 62			

GENERAL NOTES:

- UNDERGROUND UTILITIES:
 A. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811.
 B. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE MADE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.
- CONTRACTOR IS TO VERIFY ALL QUANTITIES SHOWN ON PLAN AND IN LIST. IF DISCREPANCIES OCCUR, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
- THE LANDSCAPE CONTRACTOR WILL BE HELD FINANCIALLY LIABLE FOR ANY DAMAGE CAUSED TO NEWLY POURED CONCRETE DRIVES, CURBING, OR SIDEWALKS BY THE INSTALLATION OF THE IRRIGATION SYSTEM.
- THE LANDSCAPE CONTRACTOR IS TO PERFORM A THOROUGH CLEANUP AND QUALITY CONTROL INSPECTION WITHIN 12 HOURS PRIOR TO THE V.I.P. GRAND OPENING OF THE RESTAURANT.

PLANT SCHEDULE LANDSCAPE (ZONE 8)

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	ZONE	REMARKS
ACE RUB	10	ACER RUBRUM 'RED SUNSET'	'RED SUNSET' MAPLE	B&B	4" CAL	12'-14' HT	ZONE 7-10	MATCHED TREES
CER CAN	8	CERCIS CANADENSIS	EASTERN REDBUD	B&B	2" CAL	6'-8' HT	ZONE 4-8	MATCHED TREES
CHI LIN	5	CHILOPSIS LINEARIS	DESERT WILLOW	B&B	2" CAL	6'-8' HT	ZONE 7-9	FULL TREE
ILE NEL	4	ILEX X 'NELLIE R STEVENS'	NELLIE STEVENS HOLLY	B&B	6" DIA	6'-8' HT	ZONE 6-9	FULL TO GROUND
QUE VIR	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	B&B	4" CAL	10'-12' HT	ZONE 7-10	FULL TREES
ULM LAC	5	ULMUS PARVIFOLIA 'LACEBARK ELM'	CHINESE ELM TREE	B&B	4" CAL	12'-14' HT	ZONE 4-9	MATCHED TREES



LEGEND:

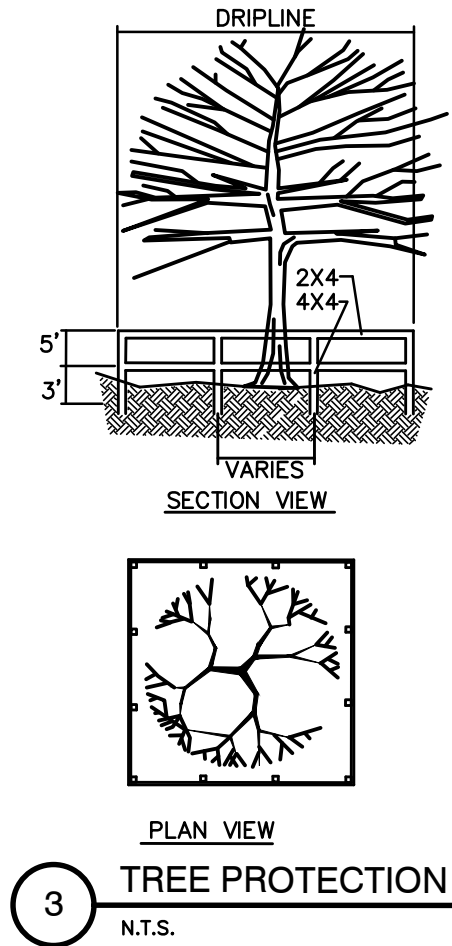
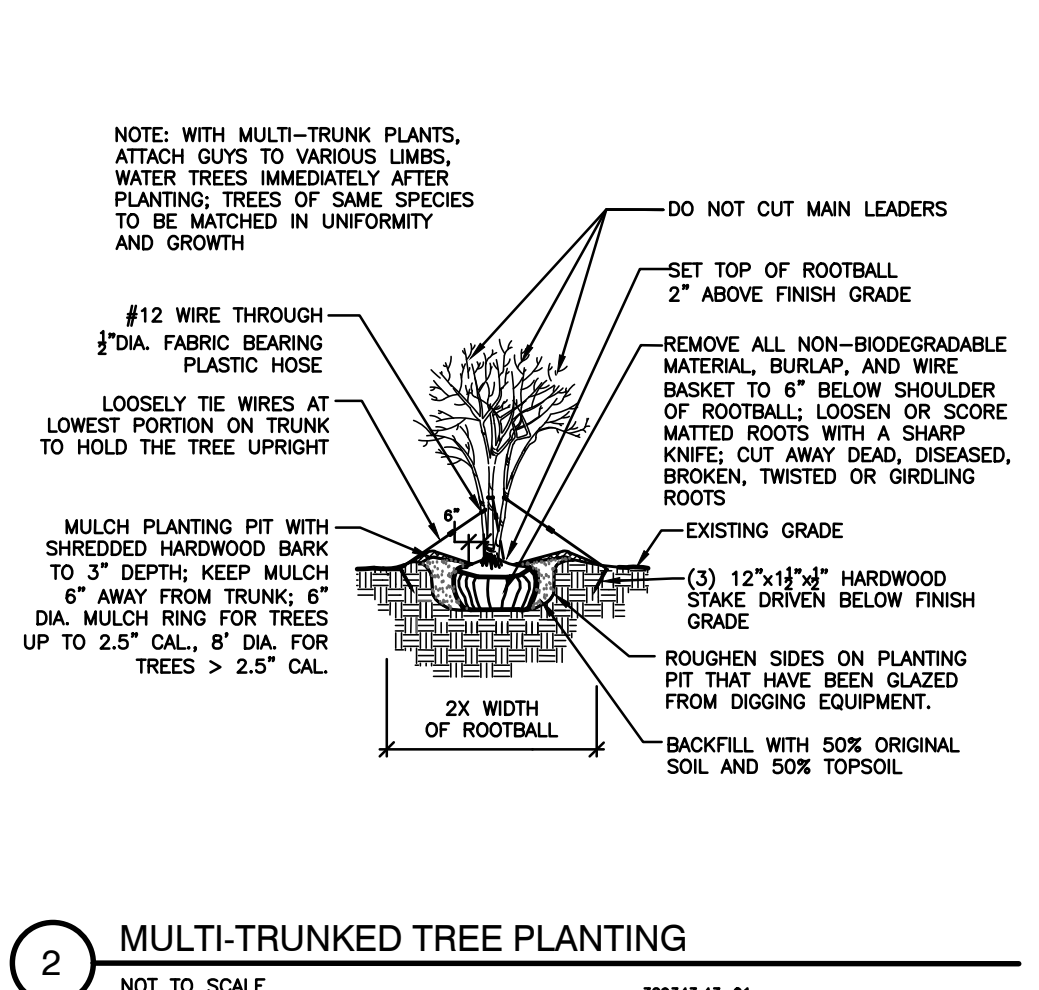
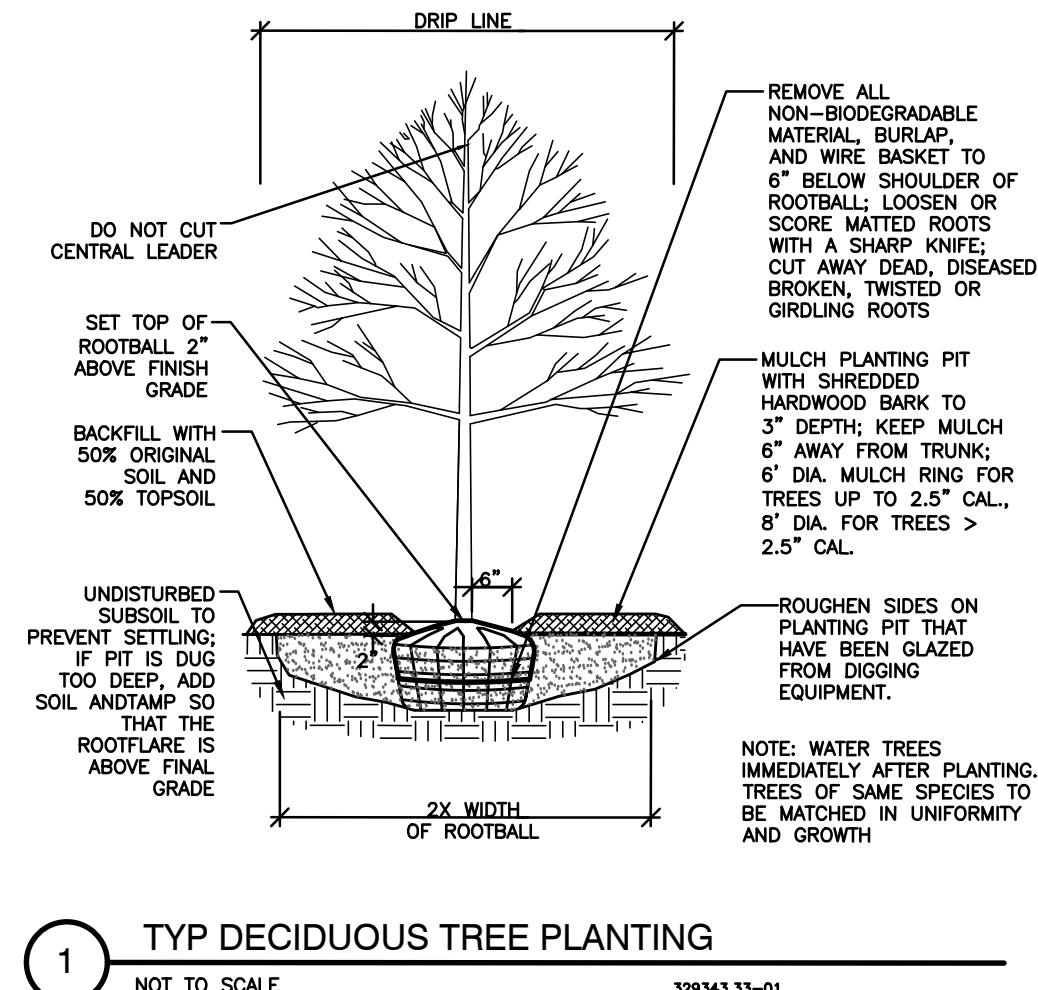
TREES TO BE REMOVED

PROTECTED TREES (TO REMAIN ON SITE)

NOTE: UNDERGROUND IRRIGATION SPRINKLER SYSTEM WILL BE PROVIDED FOR THIS SITE AND SHALL MEET ALL UDC REQUIREMENTS.

PROTECTED TREES TREES SHALL BE MARKED AND A DRIP LINE OF SAID TREES SHALL BE PROTECTED PRIOR TO AND DURING ALL CONSTRUCTION. SEE TREE PROTECTION DETAIL THIS SHEET.

**CRACKER BARREL
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 75087
BLOCK A, LOT 1
CASE NUMBER:**

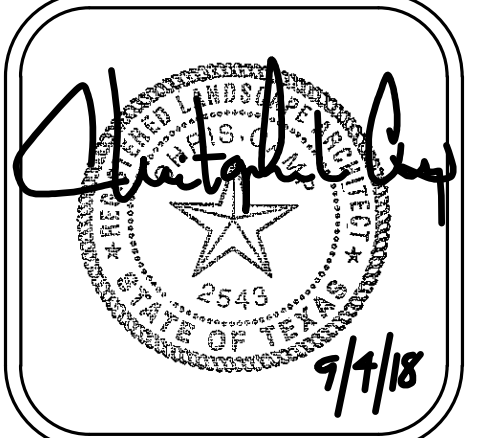


CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
**CRACKER BARREL
OLD COUNTRY STORE, INC.**
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087

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Cracker Barrel

P.O. Box 787
 Hartmann Drive, Lebanon, Tn. 37087



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DESIGN
SPACES FOR LIFE.**

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DATE: 04-04-18
 PROJECT NO.: LA18133

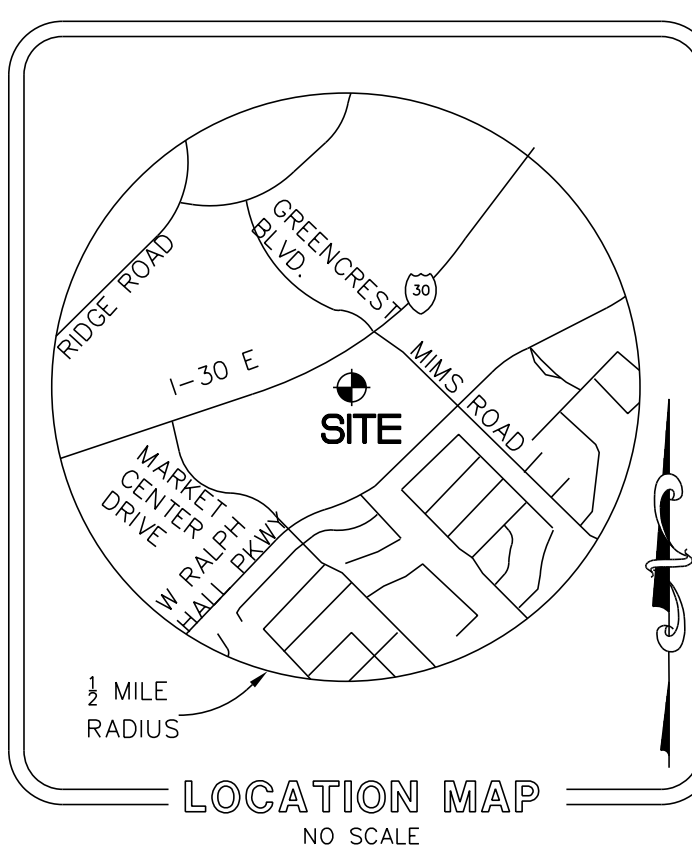
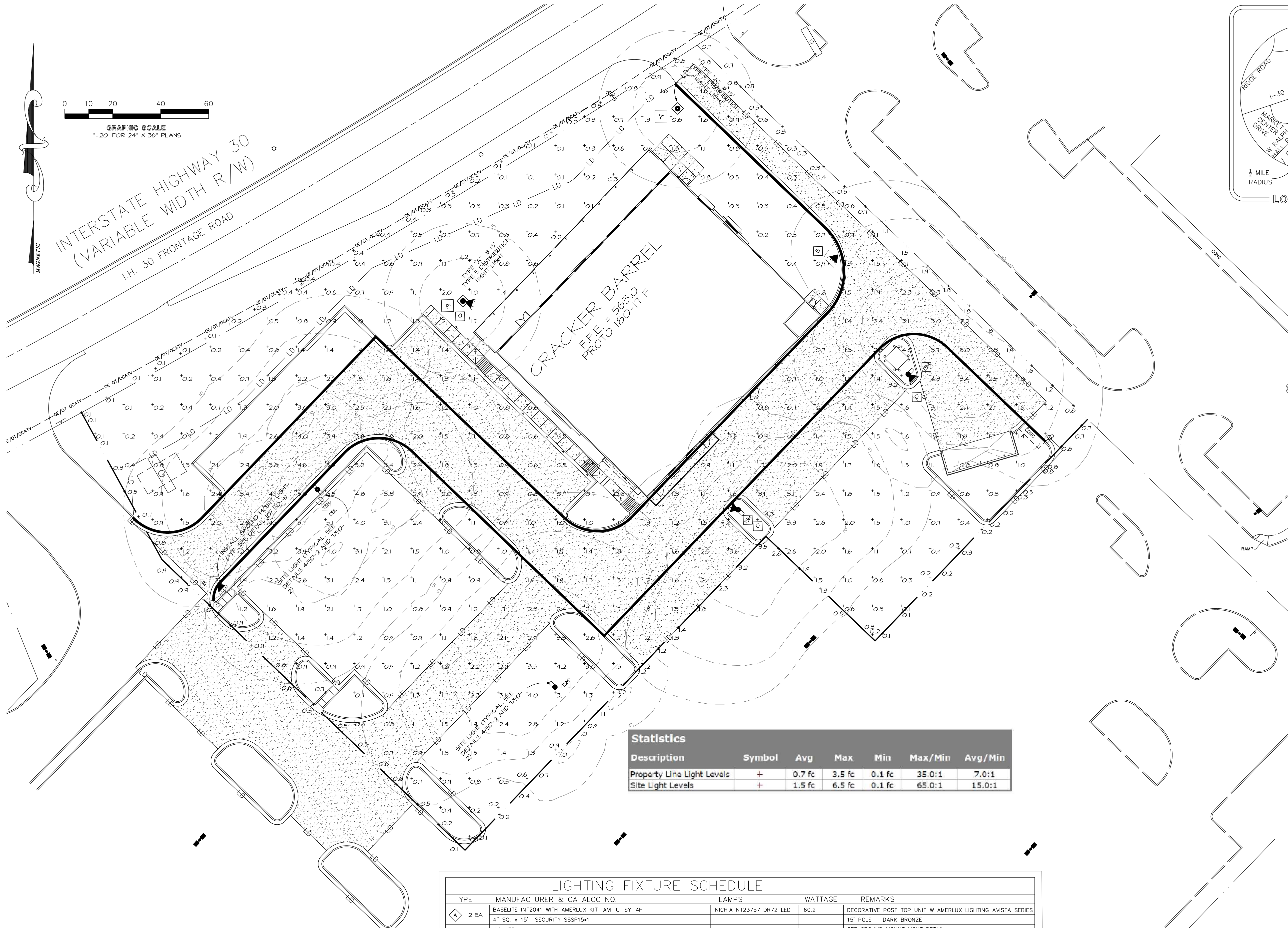
REVISIONS

**Cracker Barrel
Old Country Store**

TREESCAPE PLAN

LPO

PROTO 120-11F



LEGEND

EXISTING	CONTOUR	PROPOSED
==	SPOT EL.	—
— SS —	SANITARY SEWER	—
⊙	MANHOLE	⊙
N/A	CLEAN OUT	N/A
— W —	WATER LINE	—
— OE —	OVERHEAD ELEC.	N/A
N/A	UNDERGROUND ELEC.	N/A
— UG —	UNDERGROUND GAS	—
□ CBQ	CATCH BASIN	□
⊠	GATE VALVE	⊠
⊠	FIRE HYDRANT	⊠
⊙	UTILITY POLE	⊙
⊙	LIGHT POLE	⊙
N/A	PARKING COUNT	⊙

* SPOT ELEVATION ABBREVIATIONS:
 TC - TOP OF CURB
 FL - FLOOR LINE
 TR - TOP OF RAMP
 BR - BOTTOM OF RAMP
 TLIP - TOP OF CONCRETE LIP
 BLIP - BOTTOM OF CONCRETE LIP

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
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Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Property Line Light Levels	+	0.7 fc	3.5 fc	0.1 fc	35.0:1	7.0:1
Site Light Levels	+	1.5 fc	6.5 fc	0.1 fc	65.0:1	15.0:1

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG NO.	LAMPS	WATTAGE	REMARKS
A	BASELITE INT2041 WITH AMERLUX KIT AVI-U-SY-4H 4" sq. x 15" SECURITY SSSP15-1	NICHIA N123757 DR72 LED	60.2	DECORATIVE POST TOP UNIT W AMERLUX LIGHTING AVISTA SERIES 15' POLE - DARK BRONZE
B	KICHLER S16201 AZT27 - SPECIAL FACTORY INSTALLED 2700K LENS 15601AZT - TEXTURED BRONZE FINISH	12.5W 2700K LED 35' SPREAD		SEE GROUND MOUNT LIGHT DETAIL FLANGE FOR SURFACE MOUNTING
C	EATON XTOR2A-N XTORFLD-KNC	18W 3500K LED		FLOOD LIGHT MOUNTING KIT
180	LITHONIA LIGHTING - DSX1 LED 60C 1000 40K T3M MVOLT/PIRH4V DDBXD LITHONIA LIGHTING - SSS 25 4C DM19AS DDB	LED / 40K	209	LUMINAIRE - DARK BRONZE W SENSOR AND STEP DIMMING 25' ABOVE GRADE - DARK BRONZE
180	LITHONIA LIGHTING - DSX1 LED 60C 1000 40K T3M MVOLT/PIRH4V DDBXD LITHONIA LIGHTING - SSS 25 4C DM29AS DDB	LED / 40K DOUBLE FIXTURE	418	LUMINAIRE - DARK BRONZE W SENSOR AND STEP DIMMING 25' ABOVE GRADE - DARK BRONZE DOUBLE MOUNTING 180'

LIGHTING VENDOR TO ENSURE THAT THE POLE SUPPLIED IS ADEQUATE FOR THE FIXTURE EPA AND THE DESIGN WIND SPEED NOTED ON S-2

CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PROPERTY OWNER: KOHL'S ILLINOIS, INC.
 15641000 RIDGEWOOD DRIVE
 MEMONONEE FALLS, WISCONSIN 53051
 ERIC BORKENHAGEN
 (262) 703-1000

OWNER: CB0C5 TEXAS LIMITED PARTNERSHIP
 P.O. BOX 187
 LEBANON, TENNESSEE 37088-0187
 TELEPHONE: (615) 444-5533

PLANS PREPARED BY: JAMES A. CRAIG, P.E.
 DESIGN AND ENGINEERING, INC.
 1645 WESTGATE CIRCLE
 BRENTWOOD, TENNESSEE 37027
 (615) 370-1174

CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER:



DATE: 04-04-16
 PROJECT NO: 11-1645

REVISIONS	
Δ	Δ
Δ	Δ
Δ	Δ
Δ	Δ

Cracker Barrel
 Old Country Store

SITE
PHOTOMETRIC PLAN

C-5
 PROTO 180-11F

SQUARE STRAIGHT STEEL POLES

Specifications

SSP SERIES

- Square straight steel shaft
- One-piece construction
- 23/8" OD tenons, or factory-drilled side mount
- Ground lug standard (3/8" 16 thread)
- Steel base plate
- Two-piece base cover
- Four L-shaped fully galvanized anchor bolts with nuts and washers, metal template
- Finished in weatherproof powder-coat paint
- Gasketed hand hole standard



ORDERING INFORMATION

18' Pole cut down to meet the 15' Pole Spec.

Pole Catalog Number ¹	Height	Wind Load Rating ^{2,5}				Pole Size	Base Square	Anchor Bolt Size ³	Suggested Bolt Circle	Bolt Circle Range	Bolt Projection	Pole Weight ⁴ lbs
		90mph EPA	100mph EPA	110mph EPA	120mph EPA							
11 GAUGE												
SSP-4118-XXX-XX	18	13.8	10.6	8.2	6.3	4"	10.25"	3/4"	10.5"	8-11"	4"	147
SSP-4125-XXX-XX	25	6.4	4.3	2.7	1.4	4"	10.25"	3/4"	10.5"	8-11"	4"	190
SSP-5125-XXX-XX	25	8.8	5.9	3.6	1.9	5"	12"	1"	10.5"	10-13.5"	4"	231
7 GAUGE												
SSP-4725-XXX-XX	25	10.9	8.1	6.0	4.4	4"	11"	3/4"	10.5"	8-11"	4"	266
SSP-5722-XXX-XX	22	22.4	17.3	13.5	10.5	5"	12"	1"	10.5"	10-13.5"	4"	263
SSP-5728-XXX-XX	28	13.7	9.9	7.1	4.9	5"	12"	1"	10.5"	10-13.5"	4"	340
SSP-5730-XXX-XX	30	11.5	8.0	5.4	3.4	5"	12"	1"	10.5"	10-13.5"	4"	398

¹ Catalog Number, as listed, does not include tenons or machining for side mounting. Fixture mounting must be specified by substituting for all Xs in Catalog Number. Refer to Catalog Logic for top type and for mounting arrangements.

² Maximum allowable luminaire and bracketing weight is determined by multiplying the EPA values above by 30 pounds.

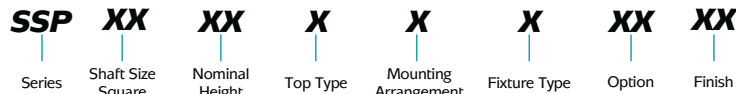
³ Factory supplied template must be used when setting anchor bolts. Security Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template.

⁴ Anchor bolt weights not included.

⁵ Allowable EPA loading based on AASHTO 2009 (LTS5) specification; Group II Loading, 50 year recurrence internal calculations are based on 3-second-gust wind speed data.

CATALOG LOGIC

SAMPLE CATALOG NUMBER



SERIES	
SSP	Square Straight Steel

SHAFT SIZE SQUARE / GAUGE	
41	4.0", 11 ga.
47	4.0", 7 ga.
51	5.0", 11 ga.
57	5.0", 7 ga.

NOMINAL POLE HEIGHT (in feet)	
See ordering information above ¹	

- NOTES:
- Aluminum poles available, consult factory.
 - All factory stocked poles are shipped as tenon tops unless drill mounting holes are specified.
 - Consult factory for available pole options (receptacle, mid-pole brackets, and banner mounting arm)



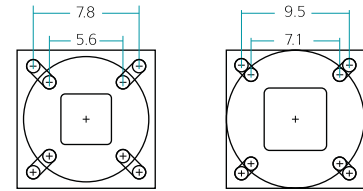
TOP TYPE	
1	23/8" OD Tenon ²
5	Removable Tenon ²
6	Side mount

MOUNTING ARRANGEMENT	
A	One Fixture
B	Two Fixtures at 90°
C	Two Fixtures at 180°
D	Three Fixtures at 90°
F	Four Fixtures at 90°
P	Tenons only

FIXTURE TYPE	
0	None, tenon only
2	ASB-F, RSB-RCS/RCL, WL, MXC, SL, CR1, CM, CM2

OPTION	
BLANK	Standard
GL	Hot Dip Galvanized

BOLT TEMPLATE



4" Square Pole

5" Square Pole

FINISH	
DB	Dark Bronze
BK	Black
WH	White
PS	Platinum Silver
00	Natural Galvanized Finish

¹ Consult factory for other available pole heights.
² Only for use with optional tenon top mounting brackets or ASB mounting brackets.

ACCESSORY: TENON TOP MOUNTING BRACKET

Catalog Number	Description
TTF-10	Single
TTF-29	Twin 90°
TTF-28	Twin 180°
TTF-39	Triple 90°
TTF-30	Triple 120°
TTF-49	Quad 90°

SQUARE STRAIGHT STEEL POLES

Specifications

SSP SERIES

- Square straight steel shaft
- One-piece construction
- 23/8" OD tenons, or factory-drilled side mount
- Ground lug standard (3/8" 16 thread)
- Steel base plate
- Two-piece base cover
- Four L-shaped fully galvanized anchor bolts with nuts and washers, metal template
- Finished in weatherproof powder-coat paint
- Gasketed hand hole standard



ORDERING INFORMATION

18' Pole cut down to meet the 15' Pole Spec.

Pole Catalog Number ¹	Height	Wind Load Rating ^{2,5}				Pole Size	Base Square	Anchor Bolt Size ³	Suggested Bolt Circle	Bolt Circle Range	Bolt Projection	Pole Weight ⁴ lbs
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SSP-5730-XXX-XX	30	11.5	8.0	5.4	3.4	5"	12"	1"	10.5"	10-13.5"	4"	398

¹ Catalog Number, as listed, does not include tenons or machining for side mounting. Fixture mounting must be specified by substituting for all Xs in Catalog Number. Refer to Catalog Logic for top type and for mounting arrangements.

² Maximum allowable luminaire and bracketing weight is determined by multiplying the EPA values above by 30 pounds.

³ Factory supplied template must be used when setting anchor bolts. Security Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template.

⁴ Anchor bolt weights not included.

⁵ Allowable EPA loading based on AASHTO 2009 (LTS5) specification; Group II Loading, 50 year recurrence internal calculations are based on 3-second-gust wind speed data.

CATALOG LOGIC

SAMPLE CATALOG NUMBER

SSP **XX** **XX** **X** **X** **X** **XX** **XX**

Series Shaft Size Square Nominal Height Top Type Mounting Arrangement Fixture Type Option Finish

SERIES	
SSP	Square Straight Steel

SHAFT SIZE SQUARE / GAUGE	
41	4.0", 11 ga.
47	4.0", 7 ga.
51	5.0", 11 ga.
57	5.0", 7 ga.

NOMINAL POLE HEIGHT (in feet)	
See ordering information above ¹	

- NOTES:
- Aluminum poles available, consult factory.
 - All factory stocked poles are shipped as tenon tops unless drill mounting holes are specified.
 - Consult factory for available pole options (receptacle, mid-pole brackets, and banner mounting arm)



A HUBBELL LIGHTING, INC. COMPANY

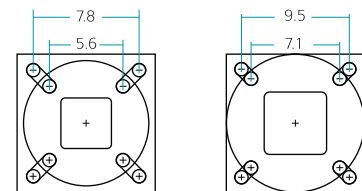
Performance Designed Lighting Products

1085 Johnson Drive • Buffalo Grove, IL 60089 • TOLL-FREE: 800-544-4848 • PHONE: 847-279-0627 • FAX: 847-279-0642

www.securitylighting.com

Rev. 1/12

BOLT TEMPLATE



4" Square Pole

5" Square Pole

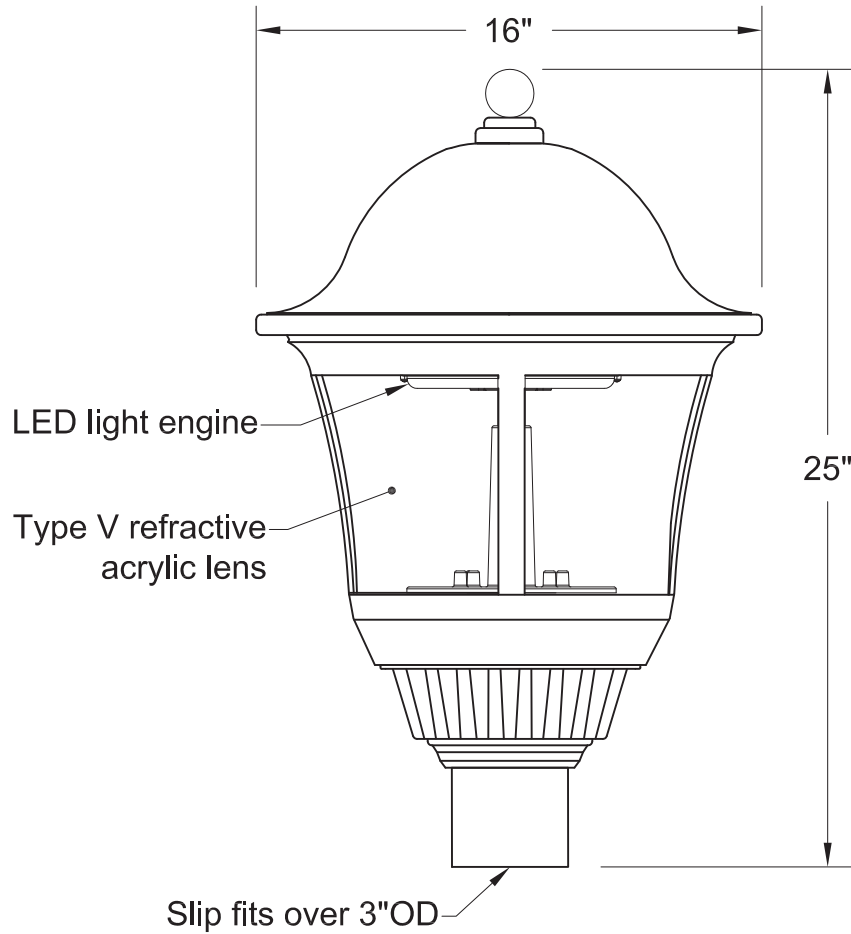
FINISH	
DB	Dark Bronze
BK	Black
WH	White
PS	Platinum Silver
00	Natural Galvanized Finish

¹ Consult factory for other available pole heights.

² Only for use with optional tenon top mounting brackets or ASB mounting brackets.

ACCESSORY: TENON TOP MOUNTING BRACKET


Catalog Number	Description
TTF-10	Single
TTF-29	Twin 90°
TTF-28	Twin 180°
TTF-39	Triple 90°
TTF-30	Triple 120°
TTF-49	Quad 90°



Approved By _____ Date _____

NOTICE: THIS DRAWING IS FOR REFERENCE ONLY. CHECK FOR LATEST REVISION PRIOR TO ORDERING. THIS DRAWING SHOULD ACCOMPANY YOUR ORDER. THANK YOU



<p><u>DATE</u> 4/11/2016</p>		<p><u>PART STRING</u> D265-T5/AVI-SY-4H/FIN-BALL 1.5"/STANDARD FINISH</p>		<p><u>FILE NAME</u> CRACKER BARREL POST TOP LED_537686.dwg</p>	
<p><u>QUOTE #/ SO #</u> 537686</p>				<p><u>NOTES</u></p>	
<p><u>JOB NAME:</u> CRACKER BARREL POST TOP LED</p>					
<p>www.amerluxexterior.com 3450 S. SAM HOUSTON PARKWAY E. SUITE 400 HOUSTON, TX. 77047 PHONE:(281)997-5400 FAX:(281) 997-5441 TOLL FREE: (800) 364-0098</p>		<p><u>LIGHT SOURCE</u> ● LED</p>	<p><u>VOLTAGE</u> ● 120-277V</p>	<p><u>DRAWN BY</u> JM</p>	
 <p>EXTERIOR LIGHTING GROUP</p>		<p><u>LIGHT DISTRIBUTION</u> ● Type V</p>	<p><u>FINISH</u> ● STD Standard finish</p>	<p><u>GENERAL:</u> EXTERIOR HARDWARE WILL BE STAINLESS STEEL. ELECTRICAL COMPONENTS WILL BE ETL LISTED "SUITABLE FOR WET LOCATIONS."</p>	



FEATURES & SPECIFICATIONS

INTENDED USE — Square straight steel pole for up to 39-foot mounting height.

CONSTRUCTION — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

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

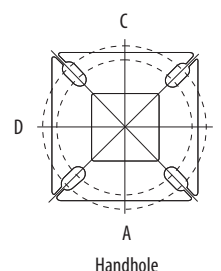
Example: SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting ¹	Options	Finish ¹⁰	
SSS	10 – 39 feet (See back page.) 25'	(See back page.)	<p>Tenon mounting</p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p>Drill mounting²</p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p>CSX/DSX/AERIS™/OMERO™ Drill mounting²</p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p>AERIS™ Suspend drill mounting^{2,3}</p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p>OMERO™ Suspend drill mounting^{2,3}</p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p>Shipped installed</p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)^{4,5}</p> <p>FDLxx Festoon outlet less electrical⁴</p> <p>CPL12xx 1/2" coupling⁴</p> <p>CPL34xx 3/4" coupling⁴</p> <p>CPL1xx 1" coupling⁴</p> <p>NPL12xx 1/2" threaded nipple⁴</p> <p>NPL34xx 3/4" threaded nipple⁴</p> <p>NPL1xx 1" threaded nipple⁴</p> <p>EHHxx Extra handhole^{4,6}</p> <p>MAEX Match existing⁷</p> <p>USPOM United States point of manufacture⁸</p> <p>IC Interior coating⁹</p>	<p>Standard colors</p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p>Classic colors</p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p>Architectural colors (powder finish)¹⁰</p>

NOTES:

- 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.
- The drilling template 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.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

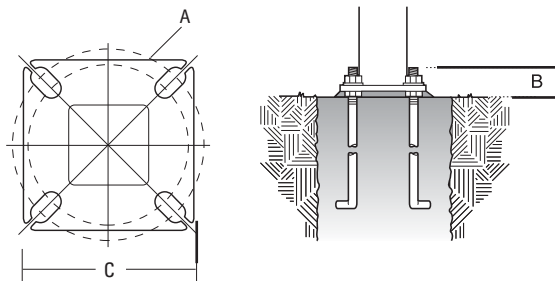
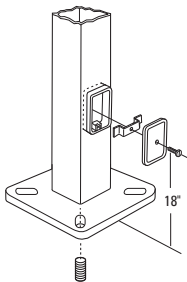
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective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

SSS Square Straight Steel Poles

TECHNICAL INFORMATION

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

BASE DETAIL



POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



d#series

D-Series Size 1 LED Area Luminaire



Catalog Number	DSX1-LED-60C-1000-40K-T3M-MVOLT
Notes	
Type	

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

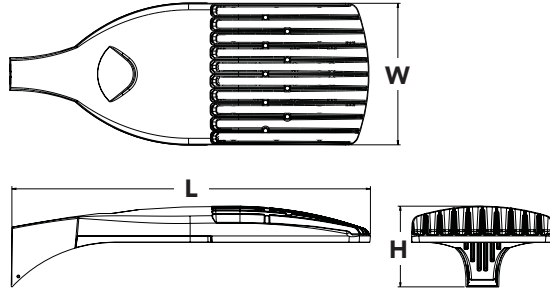
Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100 – 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
	DSX1 LED	Forward optics	530 530 mA	30K 3000 K	T1S Type I Short	MVOLT ³	Shipped included
		30C 30 LEDs (one engine)	700 700 mA	40K 4000 K	T2S Type II Short	120 ³	SPA Square pole mounting
		40C 40 LEDs (two engines)	1000 1000 mA (1 A)	50K 5000 K	T2M Type II Medium	208 ³	RPA Round pole mounting
		Rotated optics ¹		AMBPC Amber phosphor converted ²	T3S Type III Short	240 ³	WBA Wall bracket
		60C 60 LEDs (two engines)			T3M Type III Medium	277 ³	SPUMBA Square pole universal mounting adaptor ⁵
		60C 60 LEDs (two engines)			T4M Type IV Medium	347 ⁴	RPUMBA Round pole universal mounting adaptor ⁵
						480 ⁴	Shipped separately
							KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁶

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) ⁷	HS House-side shield ¹⁶	DBLXD Black
PER5 Five-wire receptacle only (no controls) ^{7,8}	WTB Utility terminal block ¹⁷	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) ^{7,8}	SF Single fuse (120, 277, 347V) ¹⁸	DWHXD White
DMG 0-10V dimming driver (no controls) ⁹	DF Double fuse (208, 240, 480V) ¹⁸	DBTDXD Textured dark bronze
DCR Dimmable and controllable via ROAM® (no controls) ¹⁰	L90 Left rotated optics ¹⁹	DBL BXD Textured black
DS Dual switching ^{11,12}	R90 Right rotated optics ¹⁹	DNATXD Textured natural aluminum
PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		DWHGXD Textured white
PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹³		
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ¹³		
BL30 Bi-level switched dimming, 30% ^{12,14}		
BL50 Bi-level switched dimming, 50% ^{12,14}		
PNMTDD3 Part night, dim till dawn ¹⁵		
PNMT5D3 Part night, dim 5 hrs ¹⁵		
PNMT6D3 Part night, dim 6 hrs ¹⁵		
PNMT7D3 Part night, dim 7 hrs ¹⁵		
	(PIRH4V)	

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
SC U	Shorting cap ²⁰
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

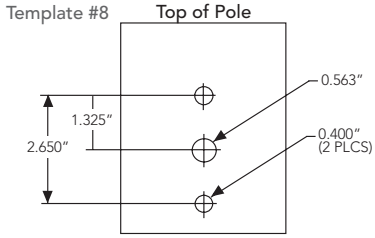
NOTES

- Rotated optics available with 60C only.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net. N/A with DS, PER5, PER7, BL30, BL50 or PNMT options.
- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the **SensorSwitch SBGR-10-ODP** control; PIRH and PIRH1FC3V specify the **SensorSwitch SBGR-6-ODP** control; see **Motion Sensor Guide** for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

For more control options, visit [DTL](#) and [ROAM](#) online.



Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**Far round pole mounting (RPA) only.

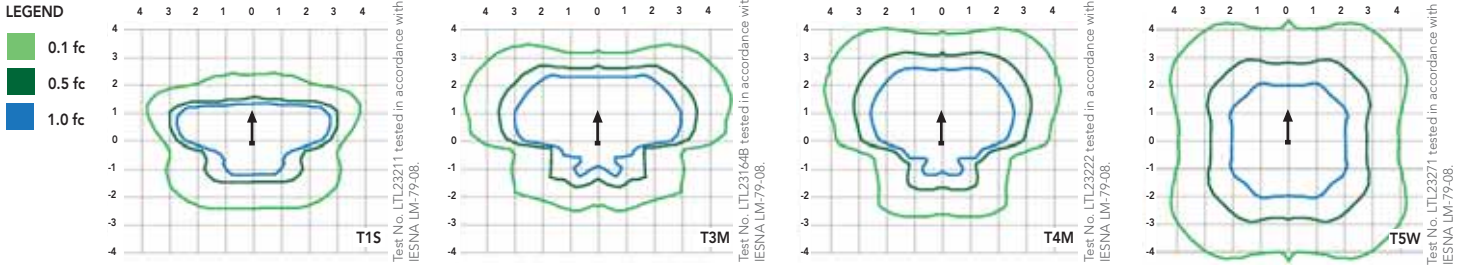
Tenon Mounting Slipfitter**

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

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	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

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.

LEDs	Drive Current (mA)	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			
30C (30 LEDs)	700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67			
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70			
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68			
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69			
			T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69			
			T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69			
			TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68			
			TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72			
			TSS	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72			
			TSM	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72			
			TSW	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70			
			1000 mA	105 W	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106						
					T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110						
					T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107						
					T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107						
	T3M	10,490			2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108								
	T4M	10,632			2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109								
	TFTM	10,473			2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108								
	TSVS	11,064			3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114								
	TSS	11,145			3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115								
	TSM	11,165			3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115								
	TSW	11,001			3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113								
	40C (40 LEDs)	700 mA			89 W	T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	103	6,014	1	0	1	68
			T2S	10,294		2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	106	6,299	2	0	2	71		
			T2M	10,059		2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	104	6,094	2	0	2	68		
			T3S	10,046		2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	103	6,229	1	0	2	70		
			T3M	10,137		2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	104	6,198	2	0	2	70		
T4M			10,275	2		0	2	115	11,033	2	0	2	124	11,102	2	0	2	106	6,209	1	0	2	70			
TFTM			10,122	2		0	2	114	10,869	2	0	2	122	10,937	2	0	2	104	6,115	1	0	2	69			
TSVS			10,693	3		0	1	120	11,482	3	0	1	129	11,554	3	0	1	110	6,490	2	0	0	73			
TSS			10,771	3		0	1	121	11,566	3	0	1	130	11,639	3	0	1	111	6,411	2	0	0	72			
TSM			10,790	3		0	2	121	11,587	4	0	2	130	11,659	4	0	2	111	6,492	3	0	1	73			
TSW			10,632	3		0	2	119	11,417	4	0	2	128	11,488	4	0	2	109	6,311	3	0	2	71			
1000 mA			138 W	T1S		13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107						
				T2S		14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
				T2M		13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
				T3S		13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108						
		T3M		13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
		T4M		14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
		TFTM		13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108								
		TSVS		14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115								
		TSS		14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
		TSM		14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
		TSW		14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
		60C (60 LEDs)		700 mA	131 W	T1S	14,694	2	0	2	106	15,779	3	0	3	114	15,877	3	0	3	115	8,952	2	0	2	68
						T2S	15,150	3	0	3	110	16,269	3	0	3	118	16,370	3	0	3	119	9,377	2	0	2	72
						T2M	14,803	2	0	3	107	15,896	3	0	3	115	15,995	3	0	3	116	9,072	2	0	2	69
						T3S	14,785	2	0	2	107	15,877	3	0	3	115	15,976	3	0	3	116	9,273	2	0	2	71
T3M			14,919			2	0	2	108	16,021	3	0	3	116	16,121	3	0	3	117	9,227	2	0	2	70		
T4M			15,122			2	0	2	110	16,238	3	0	3	118	16,340	3	0	3	118	9,243	2	0	2	71		
TFTM			14,896			2	0	3	108	15,996	2	0	3	116	16,096	2	0	3	117	9,103	2	0	2	69		
TSVS			15,736			3	0	1	114	16,898	4	0	1	122	17,004	4	0	1	123	9,661	3	0	1	74		
TSS	15,852		3			0	1	115	17,022	4	0	1	123	17,129	4	0	1	124	9,544	3	0	1	73			
TSM	15,880		4			0	2	115	17,052	4	0	2	124	17,159	4	0	2	124	9,665	3	0	2	74			
TSW	15,647		4			0	2	113	16,802	4	0	2	122	16,907	4	0	2	123	9,395	4	0	2	72			
1000 mA	209 W		T1S			20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104						
			T2S			20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107						
			T2M			20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105						
			T3S			20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105						
			T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105								
			T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107								
			TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105								
			TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111								
			TSS	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112								
			TSM	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112								
			TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111								

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 (1.2 ft²) 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 standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 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 configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 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 or 6kV 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, 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.



FEATURES & SPECIFICATIONS

INTENDED USE — Square straight steel pole for up to 39-foot mounting height.

CONSTRUCTION — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

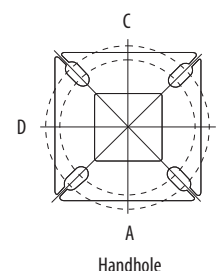
ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example: SSS 20 5C DM19 DDB**

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting ¹	Options	Finish ¹⁰	
SSS	10 – 39 feet (See back page.) 25'	(See back page.)	<p>Tenon mounting</p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p>Drill mounting²</p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p>CSX/DSX/AERIS™/OMERO™ Drill mounting²</p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p>AERIS™ Suspend drill mounting^{2,3}</p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p>OMERO™ Suspend drill mounting^{2,3}</p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p>Shipped installed</p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)^{4,5}</p> <p>FDLxx Festoon outlet less electrical⁴</p> <p>CPL12xx 1/2" coupling⁴</p> <p>CPL34xx 3/4" coupling⁴</p> <p>CPL1xx 1" coupling⁴</p> <p>NPL12xx 1/2" threaded nipple⁴</p> <p>NPL34xx 3/4" threaded nipple⁴</p> <p>NPL1xx 1" threaded nipple⁴</p> <p>EHHxx Extra handhole^{4,6}</p> <p>MAEX Match existing⁷</p> <p>USPOM United States point of manufacture⁸</p> <p>IC Interior coating⁹</p>	<p>Standard colors</p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p>Classic colors</p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p>Architectural colors (powder finish)¹⁰</p>

NOTES:

- 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.
- The drilling template 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.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

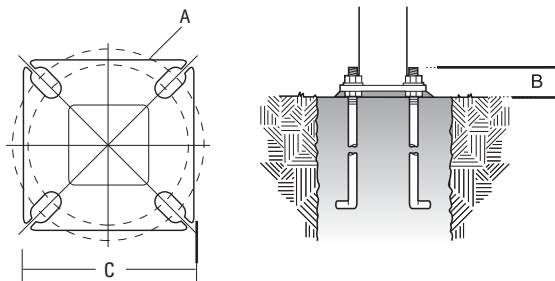
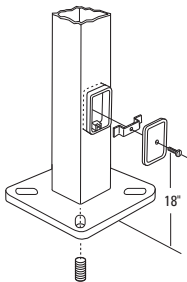
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective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

SSS Square Straight Steel Poles

TECHNICAL INFORMATION

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

BASE DETAIL



POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



d#series

D-Series Size 1 LED Area Luminaire



Catalog Number	DSX1-LED-60C-1000-40K-T3M-MVOLT
Notes	
Type	

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

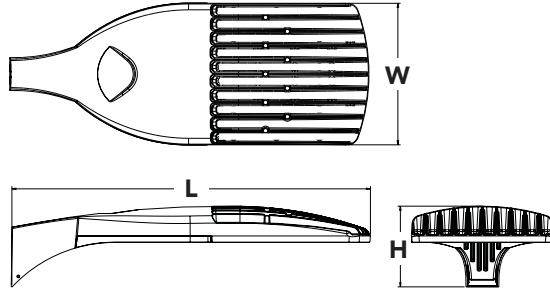
Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100 – 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
	DSX1 LED	Forward optics	530 530 mA	30K 3000 K	T1S Type I Short	MVOLT ³	Shipped included
		30C 30 LEDs (one engine)	700 700 mA	40K 4000 K	T2S Type II Short	120 ³	SPA Square pole mounting
		40C 40 LEDs (two engines)	1000 1000 mA (1 A)	50K 5000 K	T2M Type II Medium	208 ³	RPA Round pole mounting
		Rotated optics ¹		AMBPC Amber phosphor converted ²	T3S Type III Short	240 ³	WBA Wall bracket
		60C 60 LEDs (two engines)			T3M Type III Medium	277 ³	SPUMBA Square pole universal mounting adaptor ⁵
		60C 60 LEDs (two engines)			T4M Type IV Medium	347 ⁴	RPUMBA Round pole universal mounting adaptor ⁵
						480 ⁴	Shipped separately
							KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁶

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) ⁷	HS House-side shield ¹⁶	DBLXD Black
PER5 Five-wire receptacle only (no controls) ^{7,8}	WTB Utility terminal block ¹⁷	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) ^{7,8}	SF Single fuse (120, 277, 347V) ¹⁸	DWHXD White
DMG 0-10V dimming driver (no controls) ⁹	DF Double fuse (208, 240, 480V) ¹⁸	DBTDXD Textured dark bronze
DCR Dimmable and controllable via ROAM® (no controls) ¹⁰	L90 Left rotated optics ¹⁹	DBL BXD Textured black
DS Dual switching ^{11,12}	R90 Right rotated optics ¹⁹	DNATXD Textured natural aluminum
PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		DWHGXD Textured white
PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹³		
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ¹³		
BL30 Bi-level switched dimming, 30% ^{12,14}		
BL50 Bi-level switched dimming, 50% ^{12,14}		
PNMTDD3 Part night, dim till dawn ¹⁵		
PNMT5D3 Part night, dim 5 hrs ¹⁵		
PNMT6D3 Part night, dim 6 hrs ¹⁵		
PNMT7D3 Part night, dim 7 hrs ¹⁵		
		(PIRH4V)

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
SC U	Shorting cap ²⁰
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

For more control options, visit [DTL](#) and [ROAM](#) online.

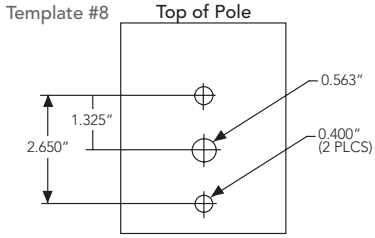
NOTES

- Rotated optics available with 60C only.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net. N/A with DS, PER5, PER7, BL30, BL50 or PNMT options.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the [SensorSwitch SBGR-10-ODP](#) control; PIRH and PIRH1FC3V specify the [SensorSwitch SBGR-6-ODP](#) control; see [Motion Sensor Guide](#) for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.



Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**Far round pole mounting (RPA) only.

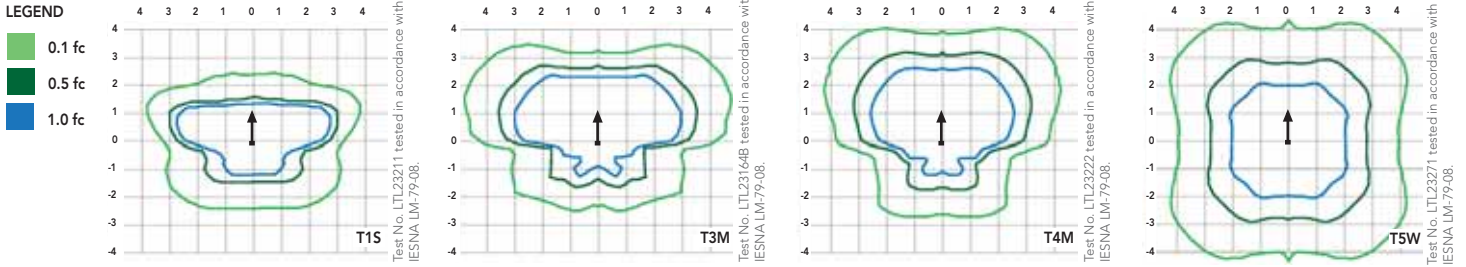
Tenon Mounting Slipfitter**

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

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	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

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.

LEDs	Drive Current (mA)	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		
30C (30 LEDs)	700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67		
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70		
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68		
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69		
			T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
			T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
			TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
			TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
			TSS	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
			TSM	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
			TSW	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
			1000 mA	105 W	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106					
					T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110					
					T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107					
	T3S	10,395			2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490			2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632			2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473			2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064			3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
	TSS	11,145			3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115							
	TSM	11,165			3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115							
	TSW	11,001			3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113							
	700 mA	89 W			T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	103	6,014	1	0	1	68
					T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	106	6,299	2	0	2	71
					T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	104	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	103	6,229	1	0	2	70		
			T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	104	6,198	2	0	2	70		
			T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	106	6,209	1	0	2	70		
TFTM			10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	104	6,115	1	0	2	69			
TSVS			10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	110	6,490	2	0	0	73			
TSS			10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	111	6,411	2	0	0	72			
TSM			10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	111	6,492	3	0	1	73			
TSW			10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	109	6,311	3	0	2	71			
1000 mA			138 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107						
				T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
				T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
	T3S	13,739		2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108								
	T3M	13,864		2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
	T4M	14,052		2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
	TFTM	13,842		2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108								
	TSVS	14,623		3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115								
	TSS	14,731		3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
	TSM	14,757		4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
	TSW	14,540		4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
	60C (60 LEDs)	700 mA		131 W	T1S	14,694	2	0	2	106	15,779	3	0	3	114	15,877	3	0	3	115	8,952	2	0	2	68
					T2S	15,150	3	0	3	110	16,269	3	0	3	118	16,370	3	0	3	119	9,377	2	0	2	72
					T2M	14,803	2	0	3	107	15,896	3	0	3	115	15,995	3	0	3	116	9,072	2	0	2	69
T3S			14,785		2	0	2	107	15,877	3	0	3	115	15,976	3	0	3	116	9,273	2	0	2	71		
T3M			14,919		2	0	2	108	16,021	3	0	3	116	16,121	3	0	3	117	9,227	2	0	2	70		
T4M			15,122		2	0	2	110	16,238	3	0	3	118	16,340	3	0	3	118	9,243	2	0	2	71		
TFTM			14,896		2	0	3	108	15,996	2	0	3	116	16,096	2	0	3	117	9,103	2	0	2	69		
TSVS			15,736		3	0	1	114	16,898	4	0	1	122	17,004	4	0	1	123	9,661	3	0	1	74		
TSS			15,852		3	0	1	115	17,022	4	0	1	123	17,129	4	0	1	124	9,544	3	0	1	73		
TSM			15,880		4	0	2	115	17,052	4	0	2	124	17,159	4	0	2	124	9,665	3	0	2	74		
TSW			15,647		4	0	2	113	16,802	4	0	2	122	16,907	4	0	2	123	9,395	4	0	2	72		
1000 mA			209 W		T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104					
					T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107					
					T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105					
		T3S		20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
		T3M		20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
		T4M		20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
		TFTM		20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
		TSVS		21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
		TSS		21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
		TSM		21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
		TSW		21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 (1.2 ft²) 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 standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 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 configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 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 or 6kV 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

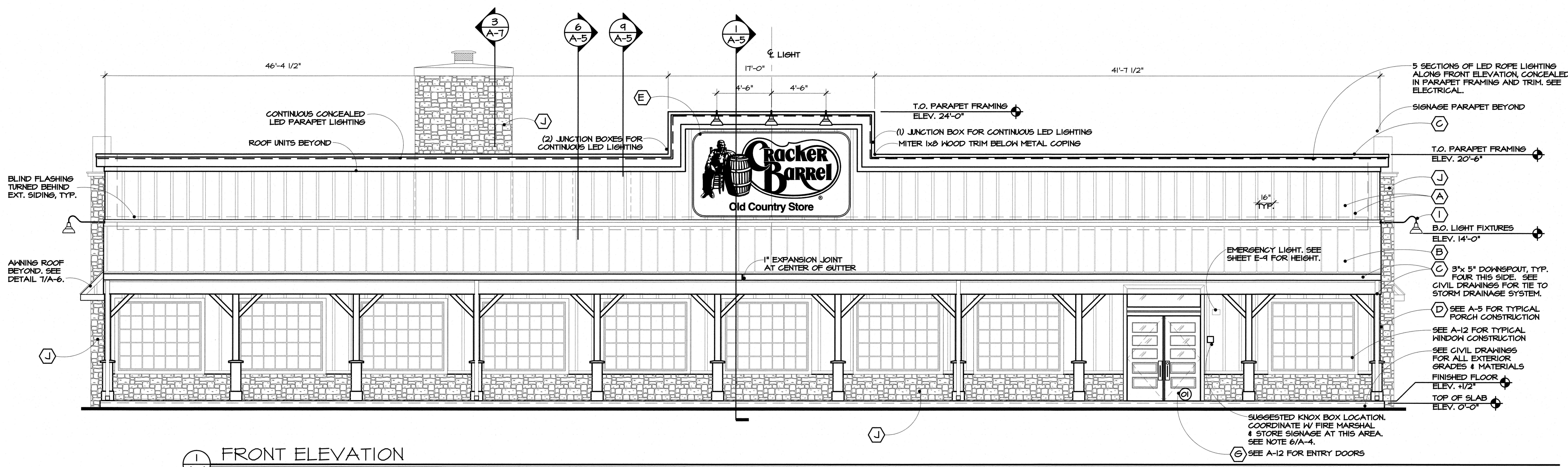
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

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.

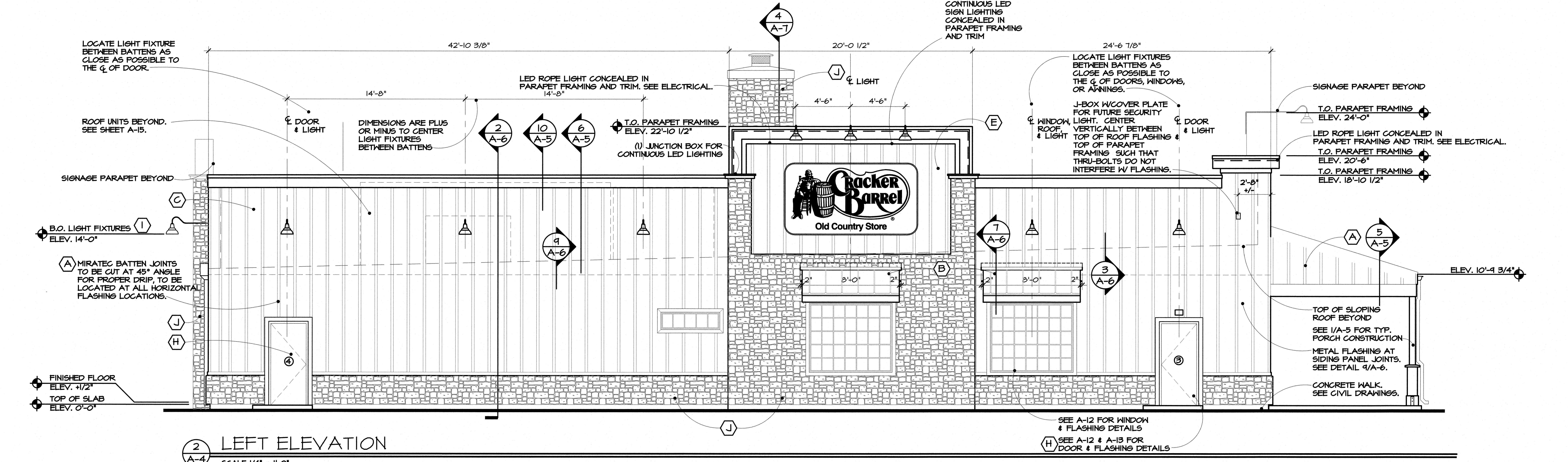
WARRANTY

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.



1 FRONT ELEVATION
SCALE 1/4" = 1'-0"



2 LEFT ELEVATION
SCALE 1/4" = 1'-0"

EXTERIOR MATERIALS LEGEND (A)

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA SIDING & MIRATEC BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINWAX OIL STAIN 'GOLDEN OAK'
H	METAL SERVICE / EXIT DOORS & FRAMES	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	CULTURED STONE VENEER	COUNTRY LEDGESTONE 'CHARDONNAY BLEND'

CRACKER BARREL STORE NUMBER: CR-394 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 819 EAST INTERSTATE 30
 FRONTAGE ROAD
 ROCKWALL, TX 75087
PROPERTY OF CRACKER BARREL OLD COUNTRY STORE, INC. THE INFORMATION SHOWN MAY NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF CRACKER BARREL OLD COUNTRY STORE, INC.

Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, TN 37087



1645 Westgate Circle
 Brentwood, TN 37027
 615-370-1779
 fax: 370-9108
 www.dendelinc.us
DESIGN and ENGINEERING INC.

INITIAL DATE: SEPT. 4, 2016
 RE-ISSUE DATE:

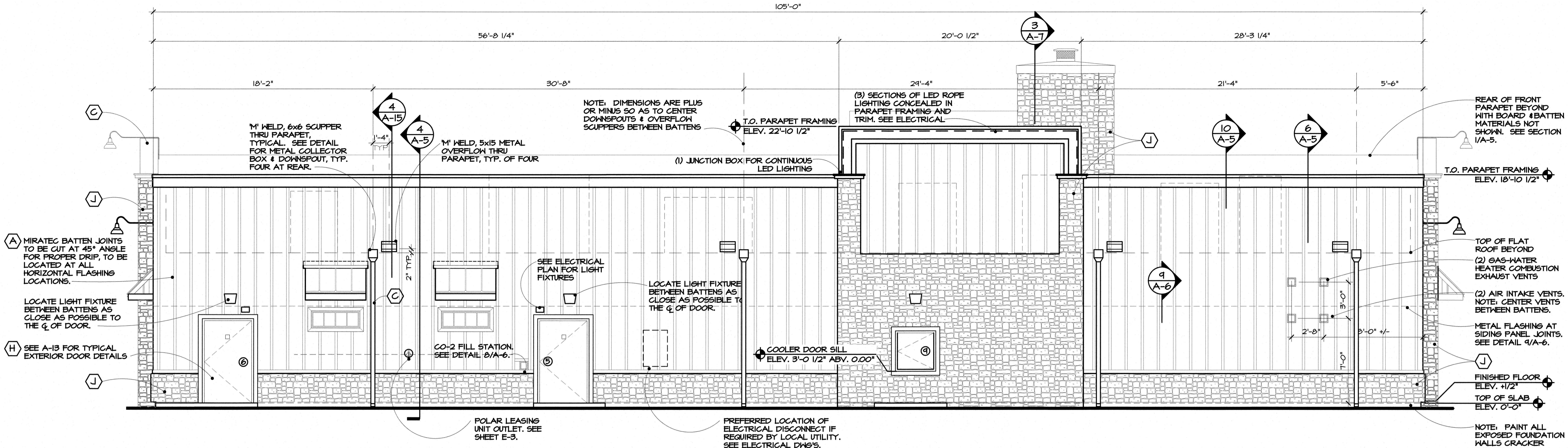
REVISIONS

11-16-15

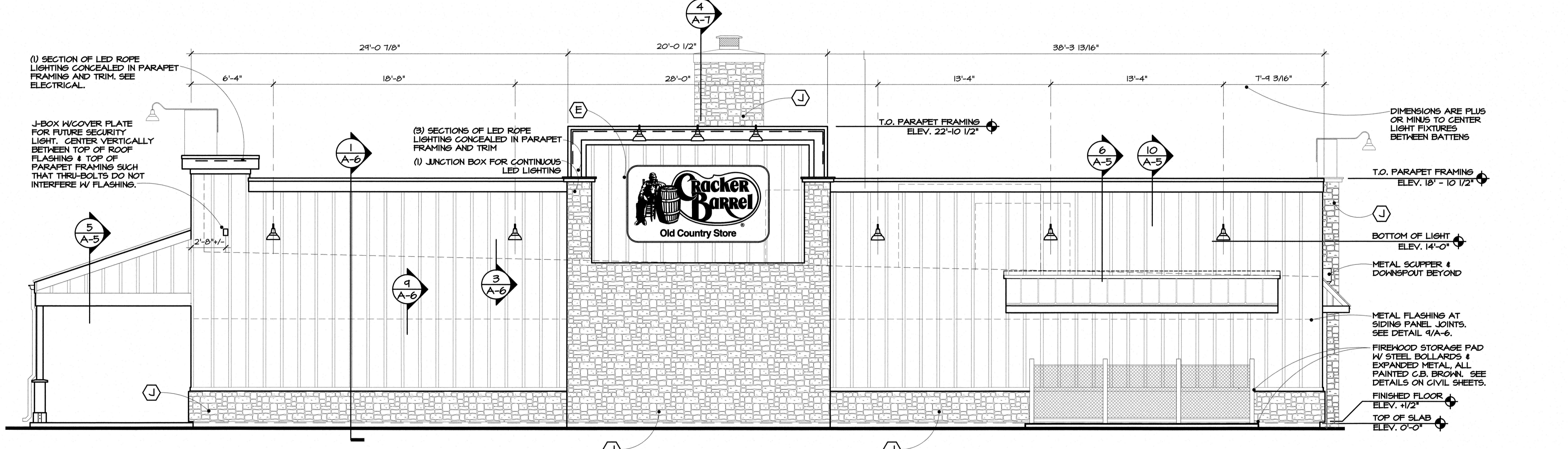


CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER:

A-4
 EXTERIOR ELEVATIONS
 CB 180 ITF-112



1 REAR ELEVATION
SCALE 1/4" = 1'-0"



2 RIGHT ELEVATION
SCALE 1/4" = 1'-0"

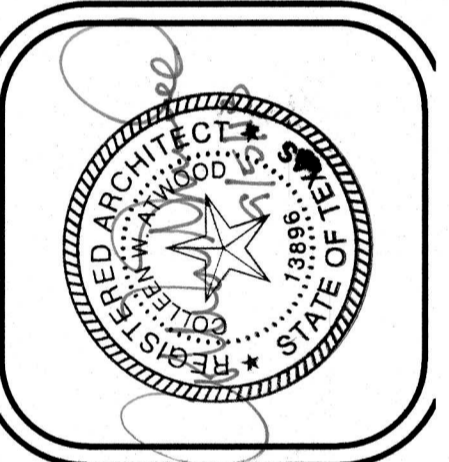
EXTERIOR MATERIALS LEGEND (A)

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA SIDING & MIRATEC BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINWAX OIL STAIN 'GOLDEN OAK'
H	METAL SERVICE / EXIT DOORS & FRAMES	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	CULTURED STONE VENEER	COUNTRY LEDGESTONE "CHARDONNAY BLEND"

CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER:

CRACKER BARREL STORE NUMBER: CR-164 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 819 EAST INTERSTATE 30
 FRONTAGE ROAD
 ROCKWALL, TX 76087

Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, TN 37087



1645 Westgate Circle
 Brentwood, TN 37007
 615-370-1779
 Fax: 370-9108
 www.dandeneau.com

D DESIGN and ENGINEERING INC.

INITIAL DATE: SEPT. 4, 2018
 RE-ISSUE DATE:

REVISIONS

11-16-18



A-4.1
 EXTERIOR ELEVATIONS
 CB 180 17F-112



FRONT ELEVATION

MATERIAL PERCENTAGES:

TOTAL AREA: 2331 S.F.
OPENING AREA: 391 S.F.

AREA LESS GLAZING: 1940 S.F.
STONE AREA: 267 S.F.
STONE PERCENTAGE: 13.8%



LEFT ELEVATION

MATERIAL PERCENTAGES:

TOTAL AREA: 1866 S.F.
OPENING AREA: 136 S.F.

AREA LESS GLAZING: 1730 S.F.
STONE AREA: 445 S.F.
STONE PERCENTAGE: 25.7%

DIMENSIONAL INFORMATION

BUILDING SIZE:

-LENGTH/WIDTH OF BUILDING:
87'-4"L x 105'-0"W

-LENGTH/WIDTH OF PORCH:
12'-4"L x 105'-6"W

-SQUARE FOOTAGE OF BUILDING:
9,113 sf

-SQUARE FOOTAGE OF PORCH:
1,284 sf

-TOTAL FOOTPRINT:
10,397 sf

BUILDING HEIGHTS:

-HEIGHT OF FRONT WALL PARAPET:
20'-6" H

-HEIGHT OF SIDE & REAR PARAPETS:
17'-10 1/2" H

-TOP OF SIGN PARAPETS:
FRONT: 24'-0" H,
RIGHT: 21'-10 1/2" H,

-HEIGHT OF CHIMNEY ABOVE FINISH
FLOOR: 30'-0" +/-

-ROOF SLOPES FRONT TO REAR:
-MAX. HEIGHT ABOVE FINISH FLOOR
INSIDE FRONT PARAPET WALL:
13'-0" H
-MIN. HEIGHT ABOVE FINISH
FLOOR INSIDE REAR PARAPET
WALL: 11'-0" H

WALL SIGNAGE:

-HEIGHT/WIDTH OF FRONT SIGN:
7'h x 13'w (91 sf)

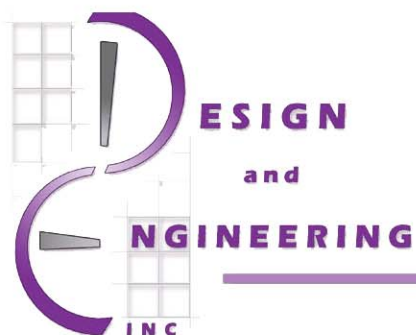
-HEIGHT/WIDTH OF REAR AND RETAIL:
5'-11"h x 11'-0"w (64 sf)

TOTAL MATERIALS AREAS

TOTAL FINISH MATERIAL AREA:
7,557 S.F.

TOTAL STONE AREA:
1,761 S.F.

TOTAL STONE PERCENTAGE:
23.3



ROCKWALL, TEXAS

CRACKER BARREL PROTOTYPE 180-17F

EXTERIOR MATERIALS LEGEND

- A CERTAINEED PANELS & MIRATEC BATTENS, PAINTED "CRACKER BARREL BROWN"
- B BERRIDGE STANDING-SEAM METAL ROOF, GALVALUME FINISH
- C PAC-CLAD METAL COPING, DARK BRONZE FINISH
- D CULTURED STONE VENEER, "CHARDONNAY" BLEND



THIS IS AN ARTISTIC RENDERING OF THE PROPOSED EXTERIOR ELEVATIONS AND THEREFORE SHOULD NOT BE RELIED UPON FOR ACCURATE COLOR RENDITION OF THE MATERIALS SHOWN. PLEASE REFER TO MATERIAL BOARDS FOR ACTUAL COLOR AND TEXTURE SAMPLES. THIS DRAWING IS NOT TO SCALE. PLEASE REFER TO "DIMENSIONAL INFORMATION" FOR ACTUAL DIMENSIONS.

8/6/2018



REAR ELEVATION

MATERIAL PERCENTAGES:

TOTAL AREA: 2143 S.F.
OPENINGS AREA: 82 S.F.

AREA LESS GLAZING: 2061 S.F.
STONE AREA: 543 S.F.
STONE PERCENTAGE: 26.3%



RIGHT ELEVATION

MATERIAL PERCENTAGES:

TOTAL AREA: 1826 S.F.
OPENING AREA: --

AREA LESS GLAZING: 1826 S.F.
STONE AREA: 506 S.F.
STONE PERCENTAGE: 27.7%

DIMENSIONAL INFORMATION

BUILDING SIZE:

-LENGTH/WIDTH OF BUILDING:
87'-4"L x 105'-0"W

-LENGTH/WIDTH OF PORCH:
12'-4"L x 105'-6"W

-SQUARE FOOTAGE OF BUILDING:
9,113 sf

-SQUARE FOOTAGE OF PORCH:
1,284 sf

-TOTAL FOOTPRINT:
10,397 sf

BUILDING HEIGHTS:

-HEIGHT OF FRONT WALL PARAPET:
20'-6" H

-HEIGHT OF SIDE & REAR PARAPETS:
18'-10 1/2" H

-TOP OF SIGN PARAPETS:
FRONT: 24'-0" H,
RIGHT: 21'-10 1/2" H,

-HEIGHT OF CHIMNEY ABOVE FINISH
FLOOR: 30'-0" +/-

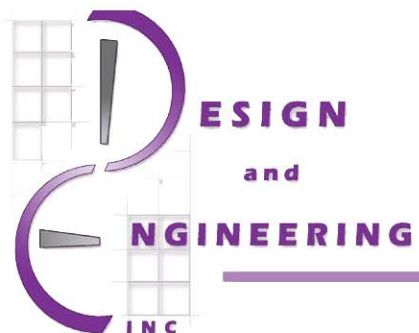
-ROOF SLOPES FRONT TO REAR:
-MAX. HEIGHT ABOVE FINISH FLOOR
INSIDE FRONT PARAPET WALL:
13'-0" H

-MIN. HEIGHT ABOVE FINISH
FLOOR INSIDE REAR PARAPET
WALL: 11'-0" H

WALL SIGNAGE:

-HEIGHT/WIDTH OF FRONT SIGN:
7'h x 13'w (91 sf)

-HEIGHT/WIDTH OF REAR AND RETAIL:
5'-11"h x 11'-0"w (64 sf)



ROCKWALL, TEXAS

CRACKER BARREL PROTOTYPE 180-17F

EXTERIOR MATERIALS LEGEND

- A CERTAINTED PANELS & MIRATEC BATTENS, PAINTED "CRACKER BARREL BROWN"
- B BERRIDGE STANDING-SEAM METAL ROOF, GALVALUME FINISH
- C PAC-CLAD METAL COPING, DARK BRONZE FINISH
- D CULTURED STONE VENEER, "CHARDONNAY BLEND"



8/6/2018

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CITY OF ROCKWALL

PLANNING AND ZONING COMMISSION MEMO

AGENDA DATE: 10/09/2018

APPLICANT: Debora Allegranti; CBOCS Texas, LLC

AGENDA ITEM: SP2018-028; Cracker Barrel

SUMMARY:

Discuss and consider a request by Debora Allegranti of CBOCS Texas, LLC on behalf of Eric Borkenhagen of Kohls Illinois, Inc. for the approval of a site plan for a restaurant on a 1.61-acre portion of a larger 9.0142-acre parcel of land identified as Lot 1, Block A, Rockwall Market Center East Addition, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, situated within the IH-30 Overlay (IH-30 OV) District, situated west of the intersection of Mims Road and the frontage road for E. IH-30, and take any action necessary.

PURPOSE:

The applicant is requesting approval of a site plan for an ~9,290 SF restaurant (*i.e. Cracker Barrel*) on the subject property. The proposed restaurant will be situated on a 1.62-acre portion of a larger 9.0142-acre parcel of land (*i.e. a portion of Lot 1, Block A, Rockwall Market Center East Addition*) that is currently occupied by an existing department store (*i.e. Kohls*). The subject property is zoned Commercial (C) District and situated within the IH-30 Overlay (IH-30 OV) District. The subject property is an existing parking lot and pole sign that will be demolished in order to construct the new restaurant. By developing this portion of the subject property as shown in the site plan, the parking lot for the existing department store will be reduced; however, both the department store and the restaurant will meet the parking requirements stipulated by the Unified Development Code. The restaurant will face IH-30 with the rear of the building facing an elementary school (*i.e. Amanda Rochell Elementary School*).

DENSITY AND DIMENSIONAL REQUIREMENTS:

The proposed restaurant (*i.e. Cracker Barrel*) is permitted by-right in a Commercial (C) District and will not require additional approvals. The restaurant will have approximately 180 seats and will be accessible via the existing Kohl's drive aisle to the west of the restaurant, and an existing drive aisle to the east of the subject property. In addition to the existing drive aisles, the subject property will have cross-access to the adjacent shopping center.

The submitted site plan, landscape plan, photometric plan, and building elevations conform to the technical requirements contained within the Unified Development Code (UDC) development standards with the exception of the variances listed in this memo. A summary of the density and dimensional requirements of the subject property is as follows:

<i>Ordinance Provisions</i>	<i>Zoning District Standards</i>	<i>Conformance to the Standards</i>
<i>Minimum Lot Area</i>	<i>One (1) Acre</i>	<i>1.6-Acres; In Conformance</i>
<i>Minimum Lot frontage</i>	<i>200-Feet</i>	<i>X=300-Feet; In Conformance</i>
<i>Minimum Lot Depth</i>	<i>200-Feet</i>	<i>X=225-Feet; In Conformance</i>
<i>Minimum Front Yard Setback</i>	<i>25-Feet</i>	<i>X=25-Feet; In Conformance</i>
<i>Minimum Rear Yard Setback</i>	<i>10-Feet</i>	<i>X=18-Feet; In Conformance</i>
<i>Minimum Side Yard Setback</i>	<i>10-Feet</i>	<i>X=45-160-Feet; In Conformance</i>
<i>Maximum Building Height</i>	<i>60-Ft w/o SUP</i>	<i>X=20' 10 ½"; In Conformance</i>
<i>Max Building/Lot Coverage</i>	<i>60%</i>	<i>X=15%; In Conformance</i>
<i>Minimum Masonry Requirement</i>	<i>90%</i>	<i>X=100%; Variance Requested</i>

<i>Ordinance Provisions</i>	<i>Zoning District Standards</i>	<i>Conformance to the Standards</i>
<i>Floor Area Ratio</i>	4:1	X=0.23; In Conformance
<i>Minimum Number of Parking Spaces</i>	93	93 Provided; In Conformance
<i>Minimum Stone Requirement (SH205 OV)</i>	20% ea facade	X= \geq 20%; In Conformance
<i>Minimum Landscaping Percentage</i>	15%	X= \geq 21%; In Conformance
<i>Maximum Impervious Coverage</i>	85 to 90%	X=75%; In Conformance

TREESCAPE PLAN:

The applicant has provided a treescape plan indicating a total of 76 caliper inches being removed from the site, the majority of which are Oak trees (*i.e. primary protected trees*). According to Section 2, *Definitions*, of Article IX, *Tree Preservation*, of the Unified Development Code (UDC), the removal of any primary protected tree requires the approval of the Planning and Zoning Commission. The applicant has submitted a landscape plan showing the mitigation balance satisfied by the proposed landscaping to be planted on site.

VARIANCES:

The applicant is requesting the following variances to the IH-30 Overlay (IH-30 OV) District standards. Staff should note, the IH-30 Overlay (IH-30 OV) District standards allows variances to be granted on a case-by-case basis to allow for corporate identity conflicts with the building design. These variances require a $\frac{3}{4}$ majority vote of the City Council members present to be passed.

A) *Four (4)-Sided Architecture*

- a. *Horizontal Articulation.* Subsection 4.1.C, *Building Articulation*, of Section 4, *Commercial District Standards*, of Article V, *District Development Standards*, of the Unified Development Code (UDC) states that no building wall shall extend for a distance equal to three (3) times the wall's height without having an offset of 25% of the wall's height, and that new plane shall extend for a distance equal to at least 25% of the maximum length of the first plane. In this case, the offsets should be five (5)-feet, however, the applicant is providing two (2)-foot offsets on the northeast, southwest, and southeast elevations. Additionally, the applicant is not providing any horizontal articulation on the northwest elevation (*i.e. front elevation*). The proposed restaurant does have a front porch that extends the length of the building that provides some relief in the wall plane.
- b. *Vertical Articulation.* Subsection 4.1.C, *Building Articulation*, of Section 4, *Commercial District Standards*, of Article V, *District Development Standards*, of the Unified Development Code (UDC) states that no horizontal wall shall extend for a distance greater than three (3) times the height of the wall without a change in height by a minimum of 25% (*i.e. five (5) feet*) of the wall's height. In this case, the change in height for the front façade is 3 ½-feet (*i.e. 1 ½-feet shorter than the requirement*).
- c. *Masonry Requirements.* Subsection C.1, *Architectural Standards*, of Section 6.6, *IH-30 Overlay (IH-30 OV) District Development* of Article V, *District Development Standards*, of the Unified Development Code (UDC) states that each façade shall be limited to 50% cementitious materials. In this case, the applicant is proposing to utilize between 63% to 80% cementitious material (*i.e. hardie board*) on the building façades.

ARCHITECTURAL REVIEW BOARD

On September 25, 2018 the Architectural Review Board (ARB) reviewed the proposed building elevations and requested more vertical and horizontal articulation, to utilize natural stone in-lieu of cultured stone, and to increase the amount of stone on each façade. The applicant has submitted revised building elevations and the Architectural Review Board (ARB) will review the revised building elevations and forward a recommendation to the Planning and Zoning Commission at the October 9, 2018 meeting.

RECOMMENDATIONS:

If the Planning & Zoning Commission chooses to approve the applicant's request then staff would recommend the following conditions of approval:

- 1) All comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of a building permit;
- 2) All offsite signage must be removed prior to issuance of Certificate of Occupancy.
- 3) Any construction or building necessary to complete this *Site Plan* request must conform to the requirements set forth by the UDC, International Building Code, the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

City of Rockwall
Project Plan Review History



Project Number SP2018-028	Owner WEINBERGER, HAROLD E 1998 FAMILY TRUST &	Applied 9/17/2018	LM
Project Name Cracker Barrel	Applicant CBOCS TEXAS,LLC	Approved	
Type SITE PLAN		Closed	
Subtype		Expired	
Status Staff Review		Status	

Site Address 845 E INTERSTATE 30	City, State Zip ROCKWALL, TX 75087	Zoning
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Subdivision BERNICE	Tract 2	Block A	Lot No 2	Parcel No 4817-000A-0002-00-OR	General Plan
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Type of Review / Notes	Contact	Sent	Due	Received	Elapsed	Status	Remarks
BUILDING	Russell McDowell	9/17/2018	9/24/2018	9/19/2018	2	APPROVED	
ENGINEERING	Sarah Hager	9/17/2018	9/24/2018	9/21/2018	4	COMMENTS	
FIRE	Ariana Hargrove	9/17/2018	9/24/2018	9/20/2018	3	COMMENTS	Comments
<p>(9/20/2018 4:46 PM AA)</p> <p>Show locations of fire hydrants. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 600 feet 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 shall be provided.</p> <p>Size and location of the underground water line servicing the fire sprinkler system shall be indicated on the plans.</p> <p>The proposed location of the Fire Department Connection (FDC) shall be indicated on the plans. The FDC is required to be along the fire lane and within 100-feet as the hose lays, of a fire hydrant.</p> <p>A minimum of a 5-foot wide sidewalk or other approved "all-weather" pathway shall be provided from the fire lane to the FDC. Parking/loading spaces are not considered a clear pathway.</p>							
GIS	Lance Singleton	9/17/2018	9/24/2018	9/18/2018	1	APPROVED	See Comments
<p>(9/18/2018 4:40 PM LS)</p> <p>Address assignment will be 845 E INTERSTATE 30, ROCKWALL, TX 75087</p>							
PLANNING	Korey Brooks	9/17/2018	9/24/2018	9/21/2018	4	COMMENTS	Comments

Type of Review / Notes	Contact	Sent	Due	Received	Elapsed Status	Remarks
SP2018-028 Site Plan for Cracker Barrel: Please address the following comments (M= Mandatory Comments; I = Informational Comments)						
I.1						This is a request by Debora Allegranti of CBOCS Texas, LLC on behalf of Eric Borkenhagen of Kohls Illinois, Inc. for the approval of a site plan for a restaurant on a 1.61-acre portion of a larger 9.0142-acre parcel of land identified as Lot 1, Block A, Rockwall Market Center East Addition, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, situated within the IH-30 Overlay (IH-30 OV) District, situated west of the intersection of Mims Road and the frontage road for E. IH-30.
I.2						For questions or comments concerning this case please contact Korey Brooks in the Planning Department at (972) 772-6434 or email kbrooks@rockwall.com.
M.3						For reference, include the case number (SP2018-028) in the lower right hand corner of all pages on future submittals.
M.4						Site Plan. Please move title block from the upper right corner to the lower right hand corner.
M.5						Site Plan. Please dimension all walls of the building.
M.6						Site Plan. Please remove all signage.
M.7						Site Plan. Please remove all notes referring to signage, lighting, "see detail", etc. This does not need to be on the site plan; however, it will probably be necessary for your engineering plans. The site plan is quite dense. If there is a symbol on the legend for an item, it does not need to be labeled.
M.8						Site Plan. Please remove "Building Stakeout Plan".
M.9						Site Plan. Please remove "Sheet Index".
M.10						Site Plan. Please greyscale all existing easements and adjacent properties.
M.11						Site Plan. Please use symbol for "Transformer Pad".
M.12						Site Plan. Please remove "Approximate" from the IH-30 centerline and the easement just below.
M.13						Site Plan. Parking lot islands do not need to be dimensioned.
M.14						Site Plan. Please add all hatching to the legend.
M.15						Site Plan. Please remove "accessible path"
M.16						Site Plan. If an easement is existing, provide information (in greyscale). If new easement is being proposed, label it as "Proposed"
M.17						Site Plan. Please only darken the property line for the subject property. Now, there are two dark "Property Lines" close to the "Building Stakeout Plan".
M.18						Site Plan. Please remove "Proposed" from the parking spaces.
M.19						Site Plan. Please only dimension one of the parking spaces against the building as well as one accessible hatching. (unless there is a space that is a different size).
M.20						Site Plan. Please provide depth and type of pavement.
M.21						Site Plan. Please remove FFE and Proto from building footprint.
M.22						Site Plan. Please dimension building to all property lines.
M.23						Site Plan. Dumpster enclosure shall be 4-sided with an opaque self-latching gate. The enclosure shall be a min 8-feet tall and shall utilize materials similar to the main structure. Please add note to the dumpster enclosure. Additionally, every effort shall be made to screen from IH-30 and shall not face a public street.
M.24						Site Plan. Please provide site data table that combines "Proposed Site Summary" and "Parking Summary". Also name "Site Data Table". Site data table needs to include the information that is listed beneath the "Location Map" (e.g. zoning, impervious surface, etc).
M.25						Site Plan. Please change "Location Map" to "Vicinity Map" and provide outline of site.
M.26						Site Plan. Please not duplicate any information in the "NOTES" section that is included in the Site Data Table.
M.27						Site Plan. As drawn, this will need a variance to the horizontal articulation standards. As drawn, there are no recesses or projections in the footprint.
M.28						Site Plan. Will there be any outside seating besides the display chairs?
M.29						Landscape Plan. Please show and label LS buffers
M.30						Landscape Plan. Please provide site data table as shown on site plan.
M.31						Landscape Plan. Please separate the Landscape Plan and the Treescape Plan.
M.32						Landscape Plan. Please remove "Annual List"
M.33						Landscape Plan. Please remove all signage.
M.34						Landscape Plan. Please provide visibility triangles.

Type of Review / Notes	Contact	Sent	Due	Received	Elapsed Status	Remarks
M.35	Landscape Plan.	Please lighten hatching pattern and provide on legend.				
M.36	Landscape Plan.	Please provide legend of all tree symbols.				
M.37	Landscape Plan.	Please remove SF at each landscape island.				
M.38	Landscape Plan.	If possible, please remove the "Botanical Name" and provide the common name. Also, if possible, remove abbreviations and provide with common name at each tree/landscape item.				
M.39	Landscape Plan.	Please explain what the B&B, Zone, and, Remarks columns are. These do not seem to be needed on this landscape plan.				
M.40	Landscape Plan.	If possible, please move "Special Signage Notes, Landscape Notes, Mulch Specifications, and note referring to aluminum edging" to the "Details" page.				
M.41	Landscape Plan.	Sleeving Plan will not be reviewed at the Site Plan phase. Please do not include with revisions.				
M.42	Landscape Plan.	Please remove FFE and PROTO from building footprint.				
M.43	Landscape Plan.	Please note the Overlay District landscaping standards attached.				
M.44	Treescape Plan.	Since you are proposing to remove Oak Trees (feature trees) approval is needed from the Planning and Zoning Commission. This is more of an FYI. This will be taken care of with the site plan process.				
M.45	Treescape Plan.	Please remove and proposed landscape planting. The Landscape Plan and Treescape Plan need to be separate. Additionally, please see notes about Landscape Plan as many of the notes apply to the Treescape Plan too.				
M.46	Photometric Plan.	Please darken property line on photometric plan.				
M.47	Photometric Plan.	Please remove the hatch pattern.				
M.48	Photometric Plan.	Please note that lighting at property lines shall be no more than 0.2 FC at any street. Please look at the property lines and revise. Some light spillover is allowed within the shopping center.				
M.49	Photometric Plan.	Please note No light pole, base or combination thereof shall exceed 30 feet. Please provide an elevation of light poles.				
M.50	Photometric Plan.	Please provide site data table as shown on the other plans.				
M.51	Photometric Plan.	Please remove the dash lines representing the lighting and utilize a grid system that extends just past the property lines.				
M.52	Photometric Plan.	Please remove light fixture symbols for off-site light poles and provide a legend for the on-site light poles/fixtures.				
M.53	Photometric Plan.	What is the heavy dark line on both sides of the drive aisle?				
M.54	Photometric Plan.	Please greyscale anything that is not on the subject property.				
M.55	Photometric Plan.	Please remove all signage.				
M.56	Photometric Plan.	Please move title block with the property information from upper right corner to lower right corner				
M.57	Photometric Plan.	Please note, all building and pole mounted luminaries exceeding 15 watts shall be directed down with either a partial cut-off or full cut-off source.				
M.58	Building Elevations.	Please remove all signage and lights. In place of the signage, provide a dashed rectangle approximately the size of the signage shown on the building elevations.				
M.59	Building Elevations.	Please provide material percentages per façade. Subtract windows and doors.				
M.60	Building Elevations.	Please indicate the elevation that faces the street.				
M.61	Building Elevations.	Please remove details such as construction details or instructional notes; however, keep the note and dash line indicating the RTUs.				
M.62	Building Elevations.	Please note that as proposed, this will need a variance for vertical and horizontal articulation. Please see the vertical and horizontal articulation requirements for this overlay district. The building will need projections and recesses as well as change in wall height. The articulation requirements are listed in the District Development Standards in the Unified Development Code. Otherwise, a variance is required.				
M.63	Building Elevations.	Please provide dumpster elevations.				
	Building Elevations.	Lights do not need to be labeled. Junction boxes do not need to be shown or labeled.				
	Building Elevations.	Please note the masonry requirements are 90% masonry and 20% natural or quarried stone per facade. Wood is considered to be a secondary material and limited to 10% per façade. There may be a stone product that is made to look like wood. As shown now, you will need variances to building materials.				
M.64	Building Elevations.	Please indicate in any elevation where the chimney is shown beyond. Additionally, make it greyscale and indicate the height.				

Type of Review / Notes	Contact	Sent	Due	Received	Elapsed Status	Remarks
M.65	Building Elevations.					Please provide all façade materials and percentages. Subtract windows and doors, and do not include metal coping and downspouts.
M.66	Building Elevations.					Please provide cardinal direction for each elevation (in addition to "front, rear, etc.") and indicate which elevations face the street.
M.67	Building Elevations.					What are the round symbols with the triangles? It doesn't seem to match the materials legend. If possible, label materials on the elevations.
M.68	Building Elevations.					Please provide a masonry materials percentage for each façade.
M.69	Building Elevations.					Please look at the attached building elevations and try to match the thickness of the parapet to make them more substantial
M.70	The Architectural Review Board (ARB) meeting for this case will be held on September 25th at 5:00 p.m.					
M.71	Staff has identified the aforementioned items necessary to continue the submittal process. Please make these revisions and corrections, and provide any additional information that is requested. Revisions for this case will be due on October 2, 2018. The Planning and Zoning Worksession for this case will be September 25th, at 6:00 p.m. The Planning and Zoning Meeting will be October 9th at 6:00 p.m. A representative is required to attend all meetings.					
I.72	If necessary the projected City Council meeting date for this case will be October 18, 2018.					

E. Landscape standards. All sites shall, as a minimum, meet the following standards and the standards set out in article VIII, Landscape Standards. Where the following standards conflict with the landscape ordinance, these requirements shall prevail:

1. Buffer-strips. The buffer-strip shall be a minimum of 20 feet wide and include a "built-up" berm and/or shrubbery or a combination of both along the entire length of the subject property's frontage along the IH-30 right-of-way. The minimum required height of the aforementioned berm and/or shrubbery or a combination thereof is 30 inches and shall not exceed a maximum height of 48 inches.

2. Buffer-strip plantings. Two canopy trees, along with four accent trees shall be required per 100 feet of the IH-30 right-of-way as set out below.

3. Plant material sizes. The following minimum sizes shall be required:

Canopy trees: four-inch caliper.

Accent trees: four-foot height.

Shrubs.

Deciduous: 15 inches; two-gallon minimum.

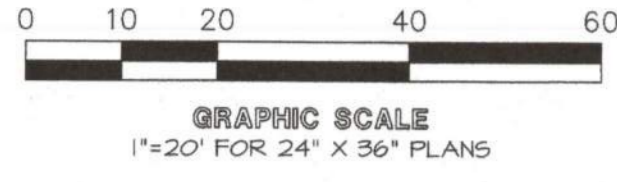
Evergreen: 12 inches; two-gallon minimum.

4. Plant material selections. The following materials are recommended for planting in the buffer-strip; however, other materials may be acceptable:

Canopy trees: Afghan Pine, Bald Cypress, Bur Oak, Cedar Elm, Eastern Red Cedar, Homestead Elm, Lacebark Elm, Little Gem Magnolia, Live Oak, October Glory Maple, Red Oak, Texas Ash, Texas Red Oak.

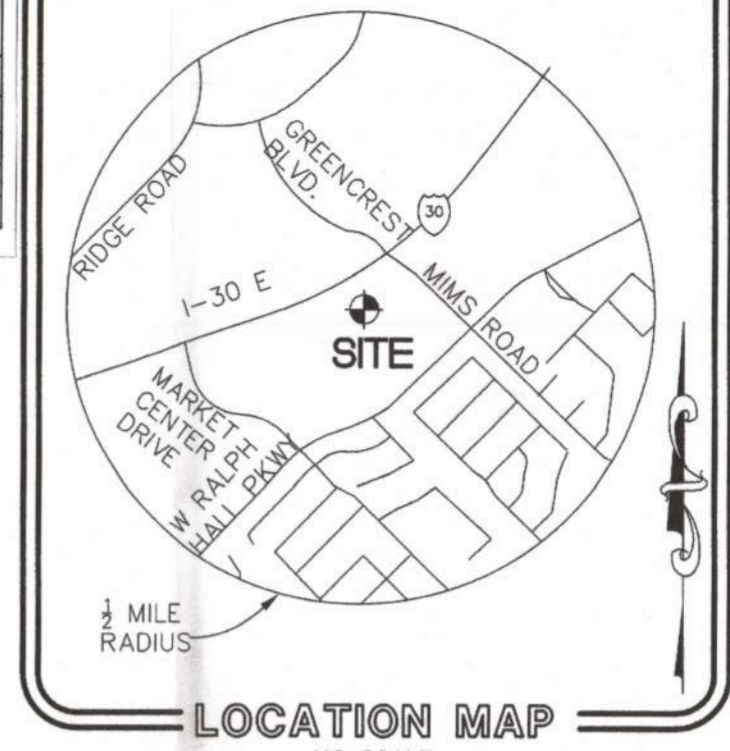
Accent trees: Desert Willow, Eastern Redbud, Eves Necklace, Mexican Buckeye, Possumhaw Holly, Shangtung Maple, Yaupon Holly.

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	3969.72'	357.75'	178.99'	357.62'	N 59°35'03" E	5°09'48"
C2	3969.72'	417.24'	208.81'	417.05'	S 65°10'37" W	6°01'19"
C3	3969.72'	206.57'	103.31'	206.55'	N 55°30'43" E	2°58'53"



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD

USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.00	62.1
LANDSCAPE AREA	0.37	23.0

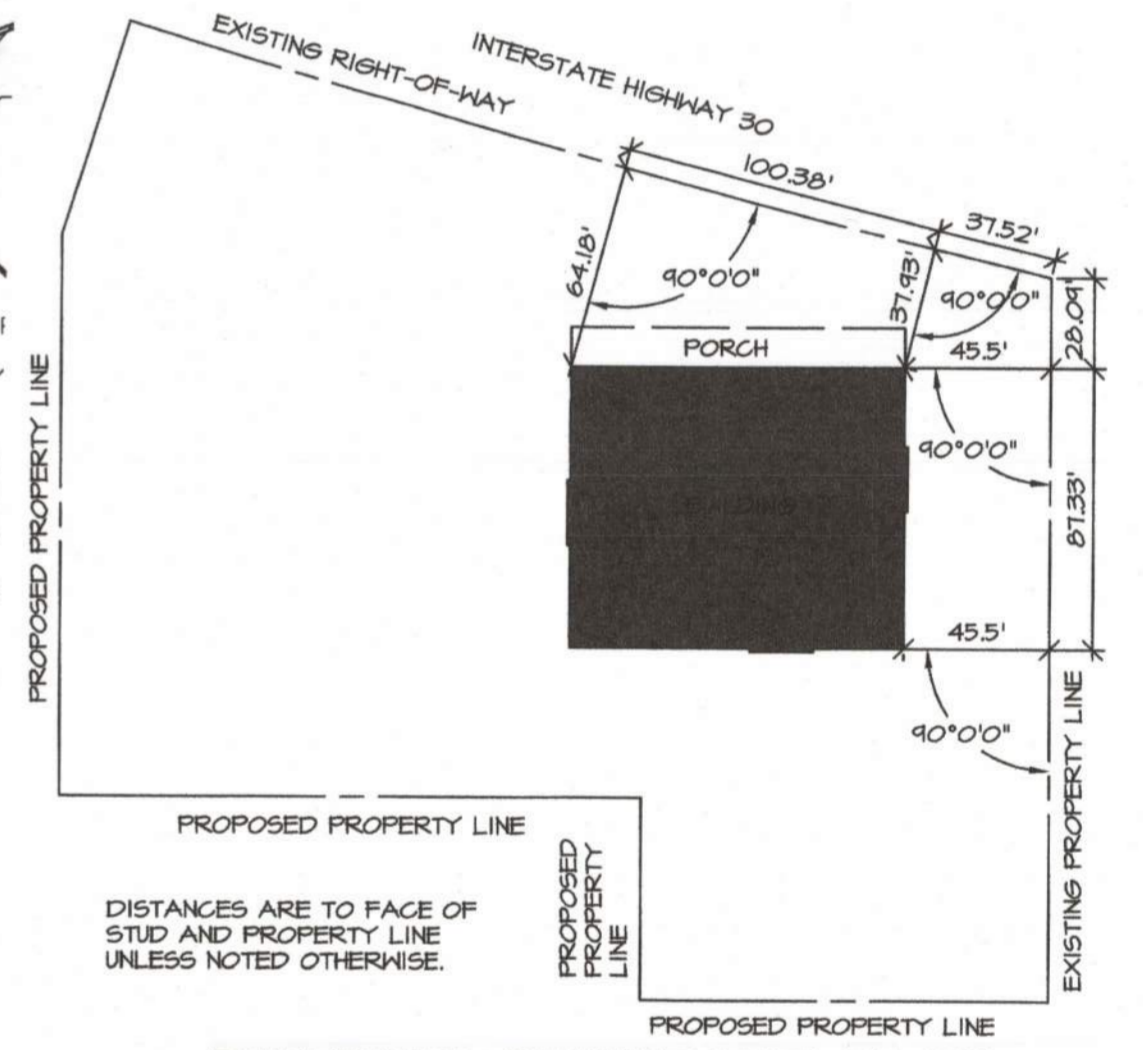


EXISTING	PROPOSED
CONTOUR	SPOT EL.
SS	STORM SEWER
SS	SANITARY SEWER
⊙	MANHOLE
N/A	CLEAN OUT
-W-	WATER LINE
-OE-	OVERHEAD ELEC.
N/A	UNDERGROUND ELEC.
UG	UNDERGROUND GAS
CB	CATCH BASIN
GV	GATE VALVE
FD	FIRE HYDRANT
UP	UTILITY POLE
LP	LIGHT POLE
N/A	PARKING COUNT

NO SCALE
PROPOSED LAND USE: COMMERCIAL
ZONING DISTRICT: C, COMMERCIAL
MAXIMUM PERCENT IMPERVIOUS REQUIRED: 65%
PERCENT IMPERVIOUS PROVIDED: 77%
PARKING LOT LANDSCAPE AREA: 3,461 SF / 45,645 SF = 7.6%

NOTES

- BOUNDARY INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY BY: FREELAND AND ASSOCIATES, INC., 323 WEST STONE AVENUE, GREENVILLE, SOUTH CAROLINA 29604 DATED: 3-30-10
- TOTAL AREA OF SITE: 1.61 ACRES (70,114 SF)
- PARKING SUMMARY:
87 PARKING SPACES FOR CARS
6 ACCESSIBLE PARKING SPACES
93 TOTAL PARKING SPACES
- BUILDING: 9,230 SQ. FT. PORCH: 1,316 SQ. FT. / SEATING CAPACITY = 180
- THE CONTRACTOR SHALL BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY.
- PERSONS USING THIS DRAWING SHOULD CONTACT LOCAL UTILITY COMPANIES FOR EXACT LOCATIONS OF UNDERGROUND UTILITIES.
- ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD, UNLESS OTHERWISE NOTED.
- UNLESS NOTED OTHERWISE, CURB RADII 3.0' AND ANGLES ARE 90°.
- DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- IN THE CASE OF CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR THE SPECIFICATIONS, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR CLARIFICATION.
- SEE SHEET C-1A FOR ADDITIONAL SITE NOTES.



BUILDING STAKEOUT PLAN

NO SCALE

SHEET NO.	SHEET NAME	LAST REVISION
C-1	SITE LAYOUT PLAN	09-04-10
C-1A	SITE PAVEMENT JOINT AND FIRE LINE STRIPING PLAN	09-04-10
C-2	SITE GRADING PLAN	09-04-10
C-3	(NOT FOR PLANNING REVIEW) SITE EROSION & SEDIMENT CONTROL PLAN (NOT FOR PLANNING REVIEW)	09-04-10
C-4	SITE UTILITY PLAN	09-04-10
C-5	SITE PHOTO METRIC PLAN	09-04-10
C-6	SITE DEMOLITION PLAN	09-04-10
SD-1 - SD-4	STANDARD DETAILS	09-04-10
D-1 - D-2	DUMPSTER DETAILS	09-04-10
L-01	LAND TITLE AND TOPOGRAPHIC SURVEY	03-30-10
LPO	TRESCAPE PLAN	09-04-10
LPI	LANDSCAPE PLAN	09-04-10
LP3	STANDARD DETAILS	09-04-10
LP4	SLEEPING PLAN	09-04-10

PARKING SUMMARY		
USE	REQUIRED	PROVIDED
RESTAURANT (TOTAL)	43	43
ACCESSIBLE	5*	6*

PARKING REQUIREMENTS	
USE	PARKING REQUIREMENT
RESTAURANT	1 SPACE/100 SF = 4,230 = 43 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 43 SPACES

CAUTION
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

- 4% Engineering Fees
- Impact Fees
- Traffic Impact Analysis if touching I-30 ROW
- Detention in place for Kohls
- Fire Lane = 24" wide with 20' Radii
- Min 20' utility easements
- Must loop water line on site
- Walls 3' and over must be designed by a licensed engineer.
- Walls to be rock or stone faced. No smooth concrete walls.
- Need to abandon part of the 25' access easement.
- Need a sewer easement from Kohls.
- Fire Lane easement will need to be replatted.
- Must meet City Engineering Standards.

Not Reviewed

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
OLD COUNTRY STORE, INC.
819 E. INTERSTATE 30 FRONTAGE RD.
ROCKWALL, TEXAS 75087
These construction documents are the exclusive property of Cracker Barrel Old Country Store, Inc. The information shown hereon may not be used or the drawings reproduced without the written permission of Cracker Barrel Old Country Store, Inc.

Cracker Barrel
P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087



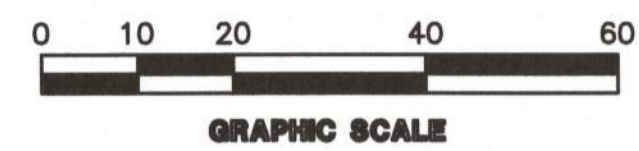
DESIGN AND ENGINEERING, INC.
STRUCTURAL AND CIVIL ENGINEERS
1645 Westgate Circle
Brentwood, TN 37027
615-370-1779
615-370-9108
www.dandeng.com

DATE	REVISIONS
09-04-10	II-1645



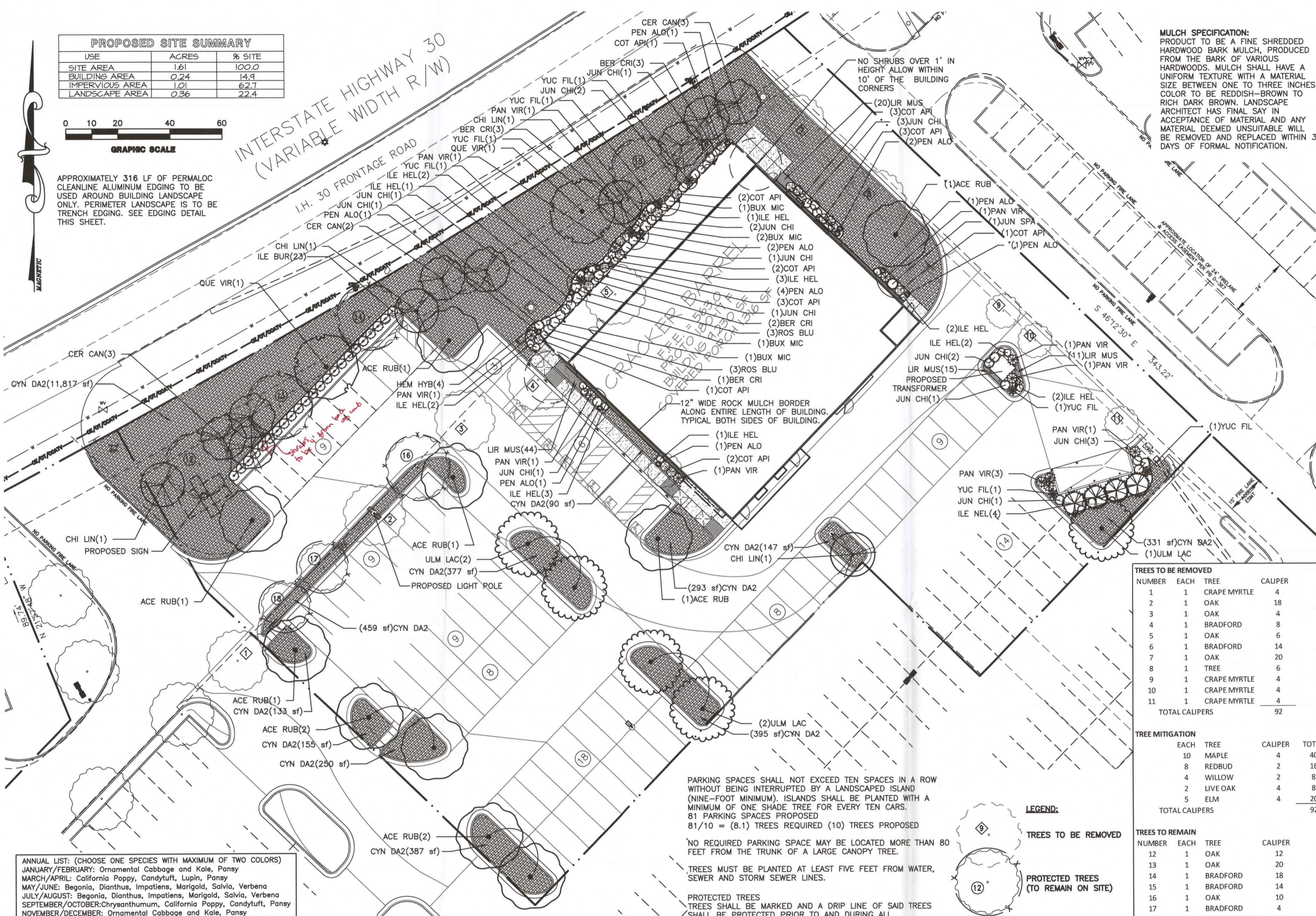
C-1
SITE LAYOUT PLAN
PROTO 180-11F

PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.61	100.0
BUILDING AREA	0.24	14.9
IMPERVIOUS AREA	1.01	62.7
LANDSCAPE AREA	0.36	22.4



APPROXIMATELY 316 LF OF PERMALOC CLEANLINE ALUMINUM EDGING TO BE USED AROUND BUILDING LANDSCAPE ONLY. PERIMETER LANDSCAPE IS TO BE TRENCH EDGING. SEE EDGING DETAIL THIS SHEET.

INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)



ANNUAL LIST: (CHOOSE ONE SPECIES WITH MAXIMUM OF TWO COLORS)
 JANUARY/FEBRUARY: Ornamental Cabbage and Kale, Pansy
 MARCH/APRIL: California Poppy, Candytuft, Lupin, Pansy
 MAY/JUNE: Begonia, Dianthus, Impatiens, Marigold, Salvia, Verbena
 JULY/AUGUST: Begonia, Dianthus, Impatiens, Marigold, Salvia, Verbena
 SEPTEMBER/OCTOBER: Chrysanthemum, California Poppy, Candytuft, Pansy
 NOVEMBER/DECEMBER: Ornamental Cabbage and Kale, Pansy

GENERAL NOTES:

- UNDERGROUND UTILITIES:
 A. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811.
 B. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE MADE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.
- CONTRACTOR IS TO VERIFY ALL QUANTITIES SHOWN ON PLAN AND IN LIST. IF DISCREPANCIES OCCUR, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
- THE LANDSCAPE CONTRACTOR WILL BE HELD FINANCIALLY LIABLE FOR ANY DAMAGE CAUSED TO NEWLY POURED CONCRETE DRIVES, CURBING, OR SIDEWALKS BY THE INSTALLATION OF THE IRRIGATION SYSTEM.
- THE LANDSCAPE CONTRACTOR IS TO PERFORM A THOROUGH CLEANUP AND QUALITY CONTROL INSPECTION WITHIN 12 HOURS PRIOR TO THE V.I.P. GRAND OPENING OF THE RESTAURANT.

PLANT SCHEDULE LANDSCAPE (ZONE 8)

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	ZONE	REMARKS	
ACE RUB	10	ACER RUBRUM 'RED SUNSET'	'RED SUNSET' MAPLE	B&B	4" CAL	12"-14" HT	ZONE 7-10	MATCHED TREES	
CER CAN	8	CERCIS CANADENSIS	EASTERN REDBUD	B&B	2" CAL	6'-8" HT	ZONE 4-8	MATCHED TREES	
CHI LIN	4	CHILOPSIS LINEARIS	DESERT WILLOW	B&B	2" CAL	6'-8" HT	ZONE 7-9	FULL TREE	
ILE NEL	4	ILEX X 'NELLIE R STEVENS'	NELLIE STEVENS HOLLY	B&B	6'-8" HT	ZONE 6-9	FULL TO GROUND	FULL TREES	
QUE VIR	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	B&B	4" CAL	10'-12" HT	ZONE 7-10	MATCHED TREES	
ULM LAC	5	ULMUS PARVIFOLIA 'LACEBARK ELM'	CHINESE ELM TREE	B&B	4" CAL	12"-14" HT	ZONE 4-9		
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	ZONE	REMARKS
BER CRI	9	BERBERIS THUNBERGII 'CRIMSON PYGMY'	CRIMSON PYGMY BARBERY	T.B.D.	18"-21"	18"-21"	30" O.C.	ZONE 4-8	FULL PLANT
BUX MIC	5	BUXUS MICROPHYLLA JAPONICA 'GREEN BEAUTY'	GREEN BEAUTY BOXWOOD	T.B.D.	24"-30"	30"-36"	48" O.C.	ZONE 5-9	FULL PLANT
COT API	18	COTONEASTER APICULATUS	CRANBERRY COTONEASTER	T.B.D.	18"-24"	24"-30"	48" O.C.	ZONE 5-9	FULL PLANT
ILE BUR	23	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	CONT	30"-36"	30"-36"	48" O.C.	ZONE 6-9	FULL PLANT
ILE HEL	19	ILEX CRENATA 'HELERII'	HELER JAPANESE HOLLY	T.B.D.	12"-15"	15"-18"	30" O.C.	ZONE 5-9	FULL PLANT
JUN CHI	20	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	T.B.D.	15"-18"	24"-30"	48" O.C.	ZONE 4-9	FULL PLANT
JUN SPA	1	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER	T.B.D.	6' MIN. HT	30"-36"	SPACE AS SHOWN	ZONE 4-9	FULL TO GROUND
PAN VIR	12	PANICUM VIRGATUM	SWITCH GRASS	CONT	30"-36"	AS SHOWN	AS SHOWN	ZONE 4-9	FULL PLANT
PEN ALO	14	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	CONT	10"-12"	SPACE AS SHOWN	SPACE AS SHOWN	ZONE 5-9	FULL PLANT
ROS BLU	6	ROSA X 'BLUSHING KNOCKOUT'	ROSE	T.B.D.	18"-24"	18"-24"	48" O.C.	ZONE 5-9	FULL PLANT
YUC FIL	7	YUCCA FILAMENTOSA	ADAM'S NEEDLE	T.B.D.	18"-24"	18"-24"	36" O.C.	ZONE 4-8	FULL PLANT
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	ZONE	REMARKS			
HEM HYB	4	HEMEROCALLIS HYBRID 'STELLA DE ORO'	STELLA DE ORO DAYLILY	1 GAL	ZONE 3-10				FULL POT
LIR MUS	90	LIRIOPE MUSCARI 'MAJESTIC'	MAJESTIC LIRIOPE	4" POT	ZONE 5-10				FULL POT
SOD/SEED	QTY	BOTANICAL NAME	COMMON NAME	CONT	ZONE	REMARKS			
CYN DA2	14,835 SF	CYNODON DACTYLON	BERMUDA GRASS	SOD	ZONE 7-10				LAY SOD WITHIN 48 HOURS OF CUTTING

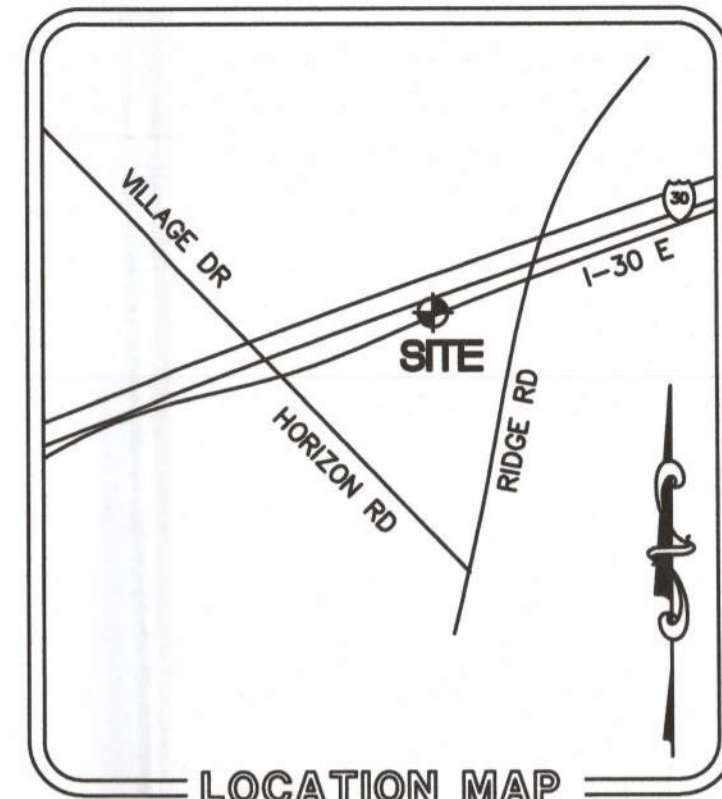
PARKING SPACES SHALL NOT EXCEED TEN SPACES IN A ROW WITHOUT BEING INTERRUPTED BY A LANDSCAPED ISLAND (NINE-FOOT MINIMUM). ISLANDS SHALL BE PLANTED WITH A MINIMUM OF ONE SHADE TREE FOR EVERY TEN CARS.
 81 PARKING SPACES PROPOSED
 81/10 = (8.1) TREES REQUIRED (10) TREES PROPOSED

NO REQUIRED PARKING SPACE MAY BE LOCATED MORE THAN 80 FEET FROM THE TRUNK OF A LARGE CANOPY TREE.

TREES MUST BE PLANTED AT LEAST FIVE FEET FROM WATER, SEWER AND STORM SEWER LINES.

PROTECTED TREES
 TREES SHALL BE MARKED AND A DRIP LINE OF SAID TREES SHALL BE PROTECTED PRIOR TO AND DURING ALL CONSTRUCTION. SEE TREE PROTECTION DETAIL ON SHEET LP3

MULCH SPECIFICATION:
 PRODUCT TO BE A FINE SHREDDED HARDWOOD BARK MULCH, PRODUCED FROM THE BARK OF VARIOUS HARDWOODS. MULCH SHALL HAVE A UNIFORM TEXTURE WITH A MATERIAL SIZE BETWEEN ONE TO THREE INCHES. COLOR TO BE REDDISH-BROWN TO RICH DARK BROWN. LANDSCAPE ARCHITECT HAS FINAL SAY IN ACCEPTANCE OF MATERIAL AND ANY MATERIAL DEEMED UNSUITABLE WILL BE REMOVED AND REPLACED WITHIN 3 DAYS OF FORMAL NOTIFICATION.



SPECIAL SIGNAGE NOTE:
 LANDSCAPE CONTRACTOR TO PROVIDE GRAVEL BED 2 FEET OUT FROM PROPOSED SIGN PYLON. BED TO HAVE 4 INCHES OF NATIVE RIVER ROCK 3/4"-1" (OWNER APPROVED) ON TOP OF LANDSCAPE FILTER FABRIC. MULCH BED TO BE CONTAINED BY PERMALOC EDGING (SEE DETAIL ON LP3). PROPOSED BED SHOULD BE HIGHER THAN SURROUNDING GRADE TO ELIMINATE STANDING WATER AROUND AND AGAINST STEEL PYLON.

- LANDSCAPE NOTES:**
- PLANTING BEDS AND PLANT LOCATIONS SHALL BE STAKED BY THE LANDSCAPE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF THE PLANTS.
 - PLANTING BEDS SHALL BE CLEARED OF ALL GRASS AND WEEDS PRIOR TO INSTALLATION OF PLANTS, INCLUDING SPRAYING "ROUND-UP" OR APPROVED SUBSTITUTE TO KILL ACTIVELY GROWING PLANTS. PLANT BEDS SHALL BE PREPARED AS CALLED FOR IN THE SPECIFICATIONS.
 - ALL OTHER DISTURBED AREAS ARE TO BE SEEDED OR SODDED AS PER THE PLANS. ADDITIONAL SEEDING OR SODDING, IF REQUIRED, WILL BE AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - PLANTING BEDS SHALL HAVE A FOUR (4) INCH DEEP SHREDDED HARDWOOD BARK MULCH OVER THE ENTIRE BED, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - PRIOR TO PLANTING, ALL PLANTED AREAS SHALL BE TREATED WITH A WATER-SOLUBLE FERTILIZER FOR THE NON-SELECTIVE CONTROL OF ANNUAL AND PERENNIAL WEEDS PRIOR TO PLANTING.
 - ALL TREE AND SHRUB PLANTING PITS SHALL BE BACKFILLED WITH A PLANTING SOIL MIXTURE OF ONE (1) PART PEAT MOSS, THREE (3) PARTS NATIVE OR APPROVED TOPSOIL AND ONE (1) PART SAND, THOROUGHLY MIXED. SAMPLE OF MIXTURE TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
 - PLANT GROUND COVER & ANNUAL BEDS IN SAME MIXTURE AS SHRUBS. AFTER PLANTING & MULCHING, WATER AREAS TO POINT OF SATURATION.
 - ALL PLANTED AREAS ARE TO BE FERTILIZED WITH GRANULAR FERTILIZER. LANDSCAPE CONTRACTOR IS TO PROVIDE SOIL TEST RESULTS AND PROPOSED FERTILIZER APPLICATION RATES TO THE OWNER OR OWNER'S REPRESENTATIVE FOR APPROVAL.
 - ALL PLANT MATERIAL IS TO BE NURSERY GROWN AND TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60 1-CURRENT ADDITION).
 - SPRAY TREES AND SHRUBS WITH AN ANTI-DESICCANT IF FOLIAGE IS PRESENT.
 - EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN THE SAME MANNER AS DECIDUOUS MATERIAL IS PLANTED.
 - DO NOT PRUNE ANY PLANT MATERIAL UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - ALL LANDSCAPE MATERIAL SHALL BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION. MATERIALS MAY BE VIEWED AT LANDSCAPE CONTRACTOR'S HOLDING SITE OR AT THIS SITE. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF THE AVAILABILITY OF THE MATERIALS TO BE INSPECTED.
 - ALL MATERIALS INSPECTED ON THE SITE AND FOUND TO BE UNACCEPTABLE SHALL BE REMOVED FROM THE SITE ON THE DAY OF INSPECTION.
 - FIELD CHANGES AND SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE.
 - EXISTING PLANT MATERIAL IS TO BE EVALUATED BY THE LANDSCAPE ARCHITECT FOR POSSIBLE RELOCATION ON SITE. THE LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT FORTY-EIGHT (48) HOURS BEFORE BEGINNING WORK.
 - ALL PLANT MATERIAL SHALL BE SUPPLIED BY APPROPRIATE SOURCES TO PREVENT UNDUE STRESS OR PROLONGED ACCLIMATIZATION WHICH WOULD INHIBIT PLANT GROWTH.
 - LANDSCAPE CONTRACTOR IS TO VERIFY PLANT QUANTITIES SHOWN ON PLAN AND IN PLANT LIST. IF DISCREPANCIES OCCUR, LANDSCAPE CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
 - IF NO METAL EDGING IS TO BE USED (SEE PLANS), PROVIDE 4" DEEP CONTINUOUS MULCHED TRENCH AT EDGE BETWEEN BED & TURF. LOCATE 6" FROM DIAPHRAGM OF OUTER ROW OF SHRUBS, OR AT EDGE OF GROUND COVER.
 - NO METAL EDGING SHOULD BE INSTALLED BETWEEN CONCRETE (CURB OR SIDEWALK) AND ADJACENT MATERIAL (SOD OR MULCH).
 - LANDSCAPE CONTRACTOR IS RESPONSIBLE TO WASH DOWN THE PARKING LOT AFTER PLANTING INSTALLATION IS COMPLETE.
 - CONTRACTOR SHALL REMOVE ALL TREE STAKING MATERIAL AT THE END OF THE ONE YEAR WARRANTY.
 - ALL SHRUBS AND EVERGREEN TREES, EXCEPT AS NOTED**, SHALL BE PLANTED AND MAINTAINED IN THEIR NATURAL FORM TO CREATE A PLANT MASSING EFFECT. NO "GUMDROP" PRUNING IS ALLOWED.

TREES TO BE REMOVED

NUMBER	EACH	TREE	CALIPER
1	1	CRAPE MYRTLE	4
2	1	OAK	8
3	1	OAK	4
4	1	BRADFORD	8
5	1	OAK	6
6	1	BRADFORD	14
7	1	OAK	20
8	1	TREE	6
9	1	CRAPE MYRTLE	4
10	1	CRAPE MYRTLE	4
11	1	CRAPE MYRTLE	4
TOTAL CALIPERS			92

TREE MITIGATION

EACH	TREE	CALIPER	TOTAL
10	MAPLE	4	40
8	REDBUD	2	16
4	WILLOW	2	8
2	LIVE OAK	4	8
5	ELM	4	20
TOTAL CALIPERS			92

TREES TO REMAIN

NUMBER	EACH	TREE	CALIPER
12	1	OAK	12
13	1	OAK	20
14	1	BRADFORD	18
15	1	BRADFORD	14
16	1	OAK	10
17	1	BRADFORD	4
18	1	CRAPE MYRTLE	4
TOTAL CALIPERS			82

I-H 30 OVERLAY DISTRICT
 299 LF OF PROPERTY LINE - 18' ACCESS = 281 LF
 281 / 100 = 2.81 MULTIPLIER

	ORDINANCE	MULTIPLIER	REQUIRED	EXISTING	PROPOSED
* 4" CANOPY	2	2.81	5.62	4	2
4' UNDERSTORY	4	2.81	11.24	-	11
** SHRUBS	CONTINUOUS	NA	-	-	YES

- EACH STREET SHALL BE PLANTED WITH A FOCUS ON ONE SPECIES TO REINFORCE STREET CHARACTER.
- SURFACE PARKING LOTS SHALL BE SCREENED FROM ALL ADJACENT PUBLIC STREETS AND NEIGHBORING SITES. THE SCREEN MUST EXTEND ALONG ALL SIDES OF THE PARKING LOT AND MUST BE THREE FEET IN HEIGHT, 80 PERCENT OPAQUE, AND MAY BE ACCOMPLISHED THROUGH THE USE OF MASONRY WALLS, ORNAMENTAL METAL, EVERGREEN PLANT MATERIALS, OR A COMBINATION THEREOF. PLANTING BEDS FOR SCREEN PLANTING SHALL BE A MINIMUM OF THREE FEET IN WIDTH.
- THE TOTAL NUMBER OF CALIPER INCHES OF TREE BEING REPLACED SHALL EQUAL THE TOTAL NUMBER OF CALIPER INCHES BEING REMOVED. TREES USED FOR OVERLAY DISTRICT STREET TREES AND PARKING LOT TREES ARE COUNTED.

CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
CASE NUMBER:

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
CRACKER BARREL
OLD COUNTRY STORE, INC.
 819 E. INTERSTATE 30 FRONTAGE RD.
 ROCKWALL, TEXAS 75087

Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, Tn. 37087



LOSE DESIGN
 SPACES FOR LIFE.

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DATE: 04-04-18
 PROJECT NO: LA180193


REVISIONS



LANDSCAPE PLAN

LP1
 PROTO 180-11F

0 25 50 100 150 200 Feet

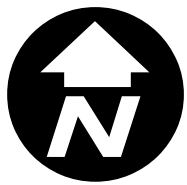
SP2018-028 - CRACKER BARREL
SITE PLAN - LOCATION MAP = 



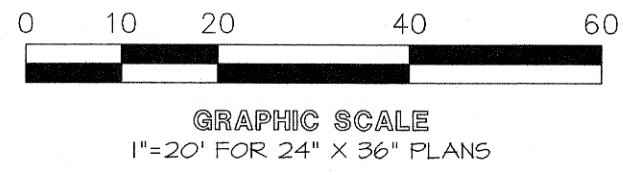
City of Rockwall

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

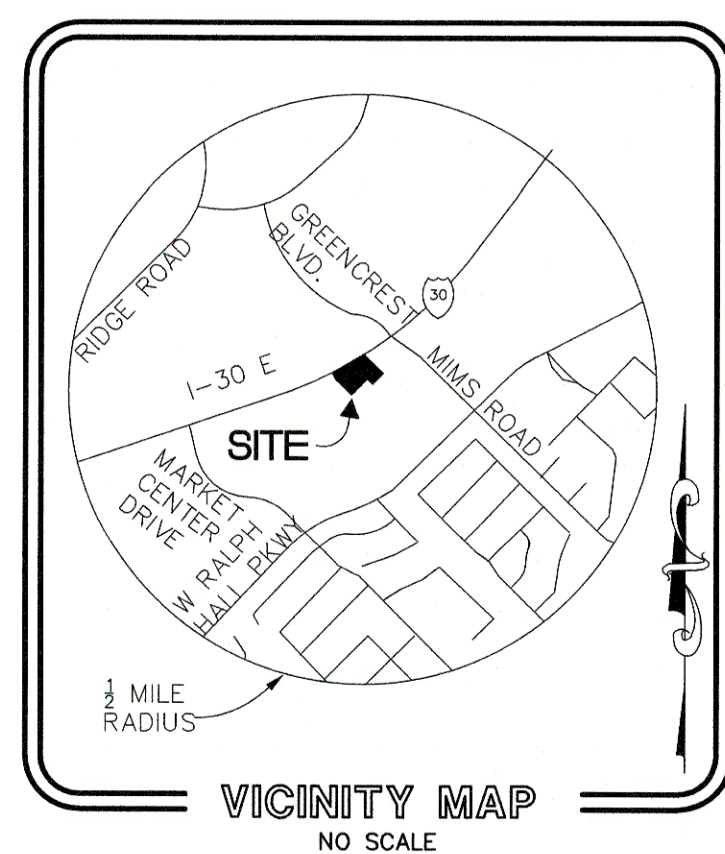
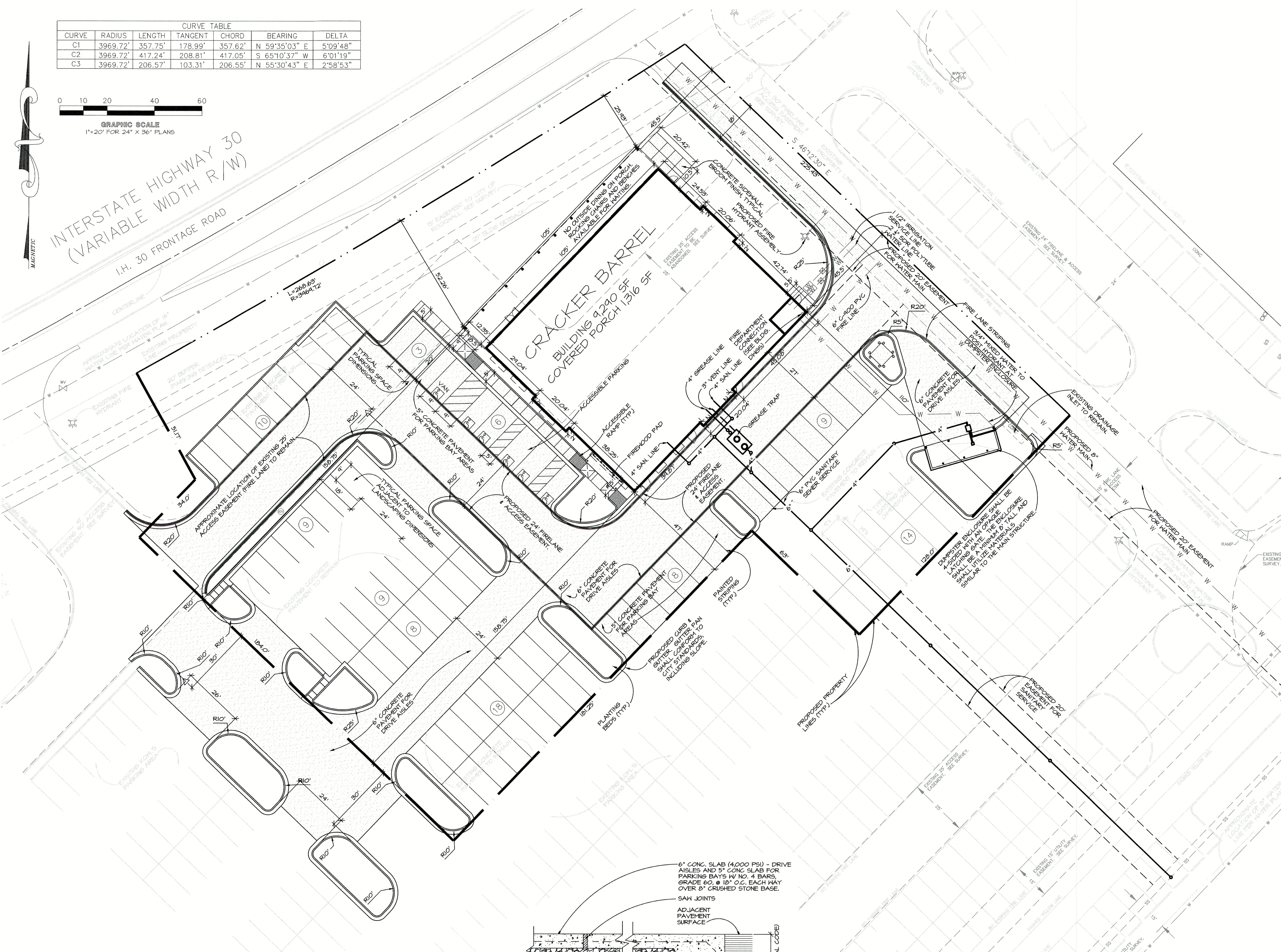
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CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	3969.72'	357.75'	178.99'	357.62'	N 59°35'03" E 5'09'48"
C2	3969.72'	417.24'	208.81'	417.05'	S 65°10'37" W 6'01'19"
C3	3969.72'	206.57'	103.31'	206.55'	N 55°30'43" E 2'58'53"



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD



LEGEND	
EXISTING	PROPOSED
CONTOUR	CONTOUR
SPOT EL.	SPOT EL.
STORM SEWER	STORM SEWER
SANITARY SEWER	SANITARY SEWER
MANHOLE	MANHOLE
N/A	CLEAN OUT
N/A	WATER LINE
N/A	OVERHEAD ELEC.
N/A	UNDERGROUND ELEC.
N/A	UNDERGROUND GAS
CATCH BASIN	CATCH BASIN
GATE VALVE	GATE VALVE
FIRE HYDRANT	FIRE HYDRANT
UTILITY POLE	UTILITY POLE
LIGHT POLE	LIGHT POLE
N/A	PARKING COUNT
N/A	TRANSFORMER PAD
CONCRETE SURFACE (PAVEMENT OR SIDEWALK)	CONCRETE SURFACE (PAVEMENT OR SIDEWALK)
NO HATCH	NO HATCH
PAVEMENT STRIPING	PAVEMENT STRIPING

SITE DATA TABLE	
PROPOSED LAND USE:	COMMERCIAL
ZONING DISTRICT:	C, COMMERCIAL
MAXIMUM PERCENT IMPERVIOUS REQUIRED:	85%
PERCENT IMPERVIOUS PROVIDED:	74%
PARKING LOT LANDSCAPE AREA	3,461 SF / 45,624 SF = 7.6%

PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.57	100.0
BUILDING AREA	0.24	15.3
IMPERVIOUS AREA	1.00	63.7
LANDSCAPE AREA	0.33	21.0

PARKING SUMMARY		
USE	REQUIRED	PROVIDED
RESTAURANT (TOTAL)	43	44
ACCESSIBLE	5	6

PARKING REQUIREMENTS	
USE	PARKING REQUIREMENT
RESTAURANT	1 SPACE/100 SF = 9,240 = 43 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 43 SPACES

- NOTES**
- BOUNDARY INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY BY: FREELAND AND ASSOCIATES, INC. 323 WEST STONE AVENUE, GREENVILLE, SOUTH CAROLINA 29609 DATED: 3-30-18
 - TOTAL AREA OF SITE:
 - BUILDING: 9,240 SQ. FT. PORCH: 1,316 SQ. FT. (SEATING CAPACITY = 180) 157 ACRES (68,474 SF)
 - ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD, UNLESS OTHERWISE NOTED.
 - UNLESS NOTED OTHERWISE, CURB RADII 3.0' AND ANGLES ARE 90°.
 - DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
 - ALL WORK SHALL MEET CITY OF ROCKWALL ENGINEERING STANDARDS.

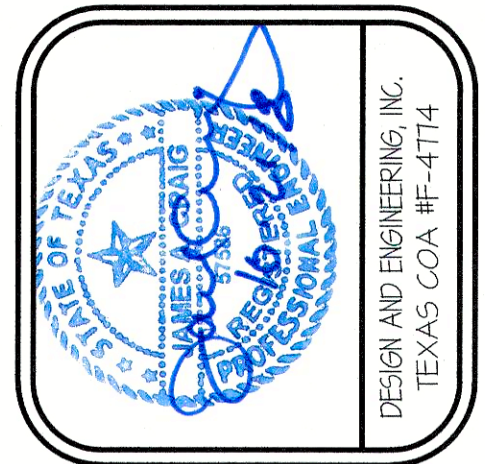
Cracker Barrel

P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087

DESIGN and ENGINEERING INC.

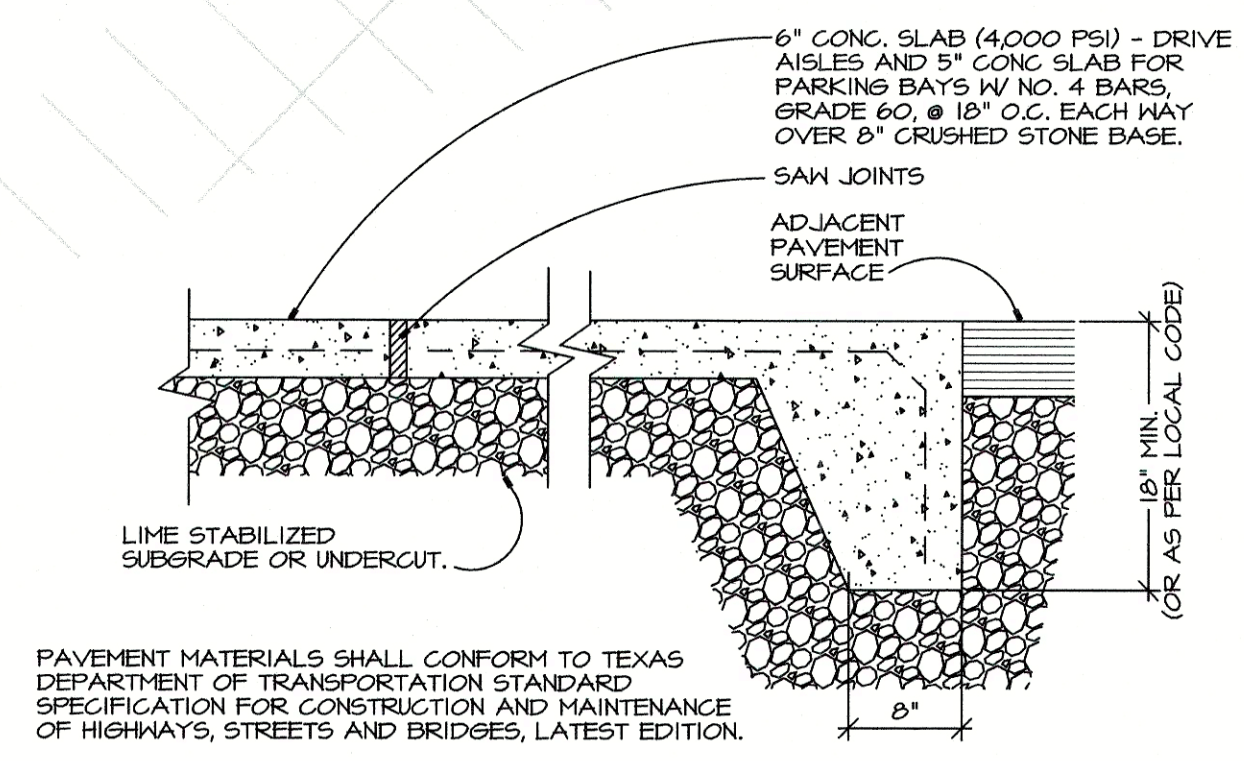
1645 Westgate Circle
Brentwood, TN 37027
615-370-1779
fax: 370-9108
www.dandeinc.us

STRUCTURAL AND CIVIL ENGINEERS



CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



CONCRETE PAVEMENT DETAIL

PROPERTY OWNER: KOHL'S ILLINOIS, INC. 15414 TODD RIDGEWOOD DRIVE MENOMONEE FALLS, WISCONSIN 53051 ERIC BORKENHAGEN (262) 703-1000

OWNER: CBOCS TEXAS LIMITED PARTNERSHIP P.O. BOX 787 LEBANON, TENNESSEE 37088-0787 TELEPHONE: (615) 444-5533

PLANS PREPARED BY: JAMES A. CRAIG, P.E. DESIGN AND ENGINEERING, INC. 1645 WESTGATE CIRCLE BRENTWOOD, TENNESSEE 37027 (615) 370-1774

DATE: 10-01-18
PROJECT NO: 11-1645

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03

CRACKER BARREL
OLD COUNTRY STORE, INC.
845 EAST INTERSTATE 30
ROCKWALL, TEXAS 75087

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BLOCK A, LOT 1

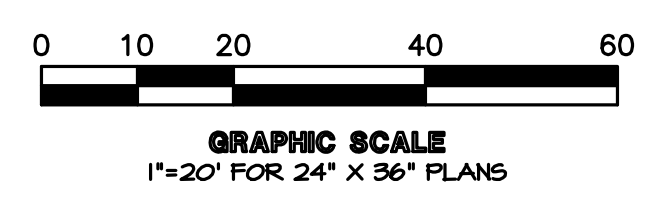
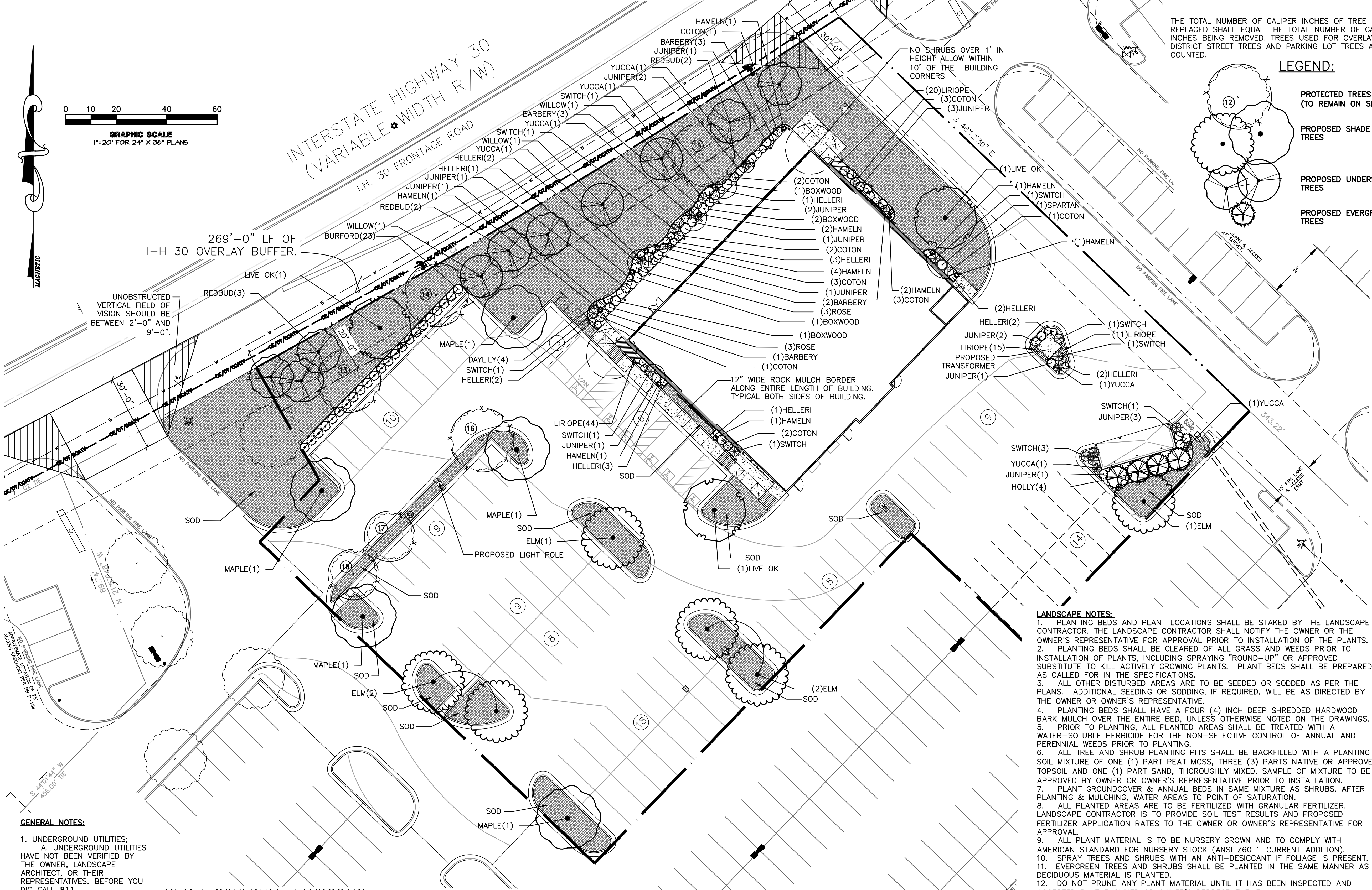
CASE NUMBER: SP2018-028

REVISIONS

Cracker Barrel
Old Country Store

PLANNING SITE PLAN

PSP
PROTO 180-11F



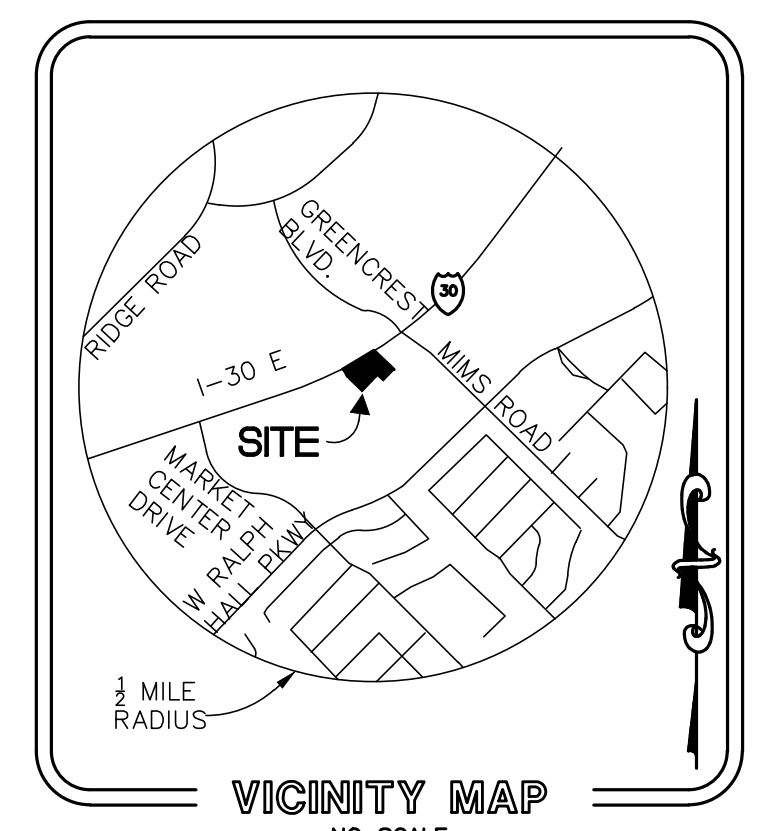
INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD

269'-0" LF OF
I-H 30 OVERLAY BUFFER.

THE TOTAL NUMBER OF CALIPER INCHES OF TREE BEING REPLACED SHALL EQUAL THE TOTAL NUMBER OF CALIPER INCHES BEING REMOVED. TREES USED FOR OVERLAY DISTRICT STREET TREES AND PARKING LOT TREES ARE COUNTED.

LEGEND:

- PROTECTED TREES (TO REMAIN ON SITE)
- PROPOSED SHADE TREES
- PROPOSED UNDERSTORY TREES
- PROPOSED EVERGREEN TREES



LEGEND

EXISTING	PROPOSED
CONTOUR	CONTOUR
SPOT EL.*	SPOT EL.*
SS - SANITARY SEWER	SS - SANITARY SEWER
MANHOLE	MANHOLE
CLEAN OUT	CLEAN OUT
W - WATER LINE	W - WATER LINE
OE - OVERHEAD ELEC.	N/A
UG - UNDERGROUND ELEC.	N/A
UG - UNDERGROUND GAS	UG - UNDERGROUND GAS
CATCH BASIN	CATCH BASIN
GATE VALVE	GATE VALVE
FIRE HYDRANT	FIRE HYDRANT
UTILITY POLE	UTILITY POLE
LIGHT POLE	LIGHT POLE
N/A - PARKING COUNT	N/A - PARKING COUNT
N/A - TRANSFORMER PAD	N/A - TRANSFORMER PAD
CONCRETE SURFACE (PAVEMENT OR SIDEWALK)	CONCRETE SURFACE (PAVEMENT OR SIDEWALK)
PAVEMENT STRIPING	PAVEMENT STRIPING

* SPOT ELEVATION ABBREVIATIONS:
 TG - TOP OF CURB
 FL - FLOW LINE
 TR - TOP OF RAMP
 BR - BOTTOM OF RAMP
 TLIP - TOP OF CONCRETE LIP
 BLIP - BOTTOM OF CONCRETE LIP

SITE DATA TABLE

PROPOSED LAND USE:	COMMERCIAL
ZONING DISTRICT:	C, COMMERCIAL
MAXIMUM PERCENT IMPERVIOUS REQUIRED:	85%
PERCENT IMPERVIOUS PROVIDED:	74%
PARKING LOT LANDSCAPE AREA	3,461 SF / 45,624 SF = 7.6%

PROPOSED SITE SUMMARY

USE	ACRES	% SITE
SITE AREA	1.57	100.0
BUILDING AREA	0.24	15.3
IMPERVIOUS AREA	1.00	63.7
LANDSCAPE AREA	0.33	21.0

PARKING SUMMARY

USE	REQUIRED	PROVIDED
RESTAURANT (TOTAL)	43	94
ACCESSIBLE	5	6

PARKING REQUIREMENTS

USE	PARKING REQUIREMENT
RESTAURANT	1 SPACE/100 SF = 4,240 = 43 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 43 SPACES

PROTECTED TREES
TREES SHALL BE MARKED AND A DRIP LINE OF SAID TREES SHALL BE PROTECTED PRIOR TO AND DURING ALL CONSTRUCTION. SEE TREE PROTECTION DETAIL ON SHEET LP3

NOTE:
UNDERGROUND IRRIGATION SPRINKLER SYSTEM WILL BE PROVIDED FOR THIS SITE AND SHALL MEET ALL UDC REQUIREMENTS.

PARKING LOT REQUIREMENT
PARKING SPACES SHALL NOT EXCEED TEN SPACES IN A ROW WITHOUT BEING INTERRUPTED BY A LANDSCAPED ISLAND (NINE-FOOT MINIMUM). ISLANDS SHALL BE PLANTED WITH A MINIMUM OF ONE SHADE TREE FOR EVERY TEN CARS.
94 PARKING SPACES PROPOSED /10 = (9.4) TREES REQUIRED
(11) TREES PROPOSED

NO REQUIRED PARKING SPACE MAY BE LOCATED MORE THAN 80 FEET FROM THE TRUNK OF A LARGE CANOPY TREE.

TREES MUST BE PLANTED AT LEAST FIVE FEET FROM WATER, SEWER AND STORM SEWER LINES.

LANDSCAPE NOTES:

- PLANTING BEDS AND PLANT LOCATIONS SHALL BE STAKED BY THE LANDSCAPE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF THE PLANTS.
- PLANTING BEDS SHALL BE CLEARED OF ALL GRASS AND WEEDS PRIOR TO INSTALLATION OF PLANTS, INCLUDING SPRAYING "ROUND-UP" OR APPROVED SUBSTITUTE TO KILL ACTIVELY GROWING PLANTS. PLANT BEDS SHALL BE PREPARED AS CALLED FOR IN THE SPECIFICATIONS.
- ALL OTHER DISTURBED AREAS ARE TO BE SEEDED OR SODDED AS PER THE PLANS. ADDITIONAL SEEDING OR SODDING, IF REQUIRED, WILL BE AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- PLANTING BEDS SHALL HAVE A FOUR (4) INCH DEEP SHREDDED HARDWOOD BARK MULCH OVER THE ENTIRE BED, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- PRIOR TO PLANTING, ALL PLANTED AREAS SHALL BE TREATED WITH A WATER-SOLUBLE HERBICIDE FOR THE NON-SELECTIVE CONTROL OF ANNUAL AND PERENNIAL WEEDS PRIOR TO PLANTING.
- ALL TREE AND SHRUB PLANTING PITS SHALL BE BACKFILLED WITH A PLANTING SOIL MIXTURE OF ONE (1) PART PEAT MOSS, THREE (3) PARTS NATIVE OR APPROVED TOPSOIL AND ONE (1) PART SAND, THOROUGHLY MIXED. SAMPLE OF MIXTURE TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- PLANT GROUNDCOVER & ANNUAL BEDS IN SAME MIXTURE AS SHRUBS. AFTER PLANTING & MULCHING, WATER AREAS TO POINT OF SATURATION.
- ALL PLANTED AREAS ARE TO BE FERTILIZED WITH GRANULAR FERTILIZER. LANDSCAPE CONTRACTOR IS TO PROVIDE SOIL TEST RESULTS AND PROPOSED FERTILIZER APPLICATION RATES TO THE OWNER OR OWNER'S REPRESENTATIVE FOR APPROVAL.
- ALL PLANT MATERIAL IS TO BE NURSERY GROWN AND TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60 1-CURRENT ADDITION).
- SPRAY TREES AND SHRUBS WITH AN ANTI-DESICCANT IF FOLIAGE IS PRESENT.
- EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN THE SAME MANNER AS DECIDUOUS MATERIAL IS PLANTED.
- DO NOT PRUNE ANY PLANT MATERIAL UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- ALL LANDSCAPE MATERIAL SHALL BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION. MATERIALS MAY BE VIEWED AT LANDSCAPE CONTRACTOR'S HOLDING SITE OR AT THIS SITE. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF THE AVAILABILITY OF THE MATERIALS TO BE INSPECTED.
- ALL MATERIALS INSPECTED ON THE SITE AND FOUND TO BE UNACCEPTABLE SHALL BE REMOVED FROM THE SITE ON THE DAY OF INSPECTION.
- FIELD CHANGES AND SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE.
- EXISTING PLANT MATERIAL IS TO BE EVALUATED BY THE LANDSCAPE ARCHITECT FOR POSSIBLE RELOCATION ON SITE. THE LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT FORTY-EIGHT (48) HOURS BEFORE BEGINNING WORK.
- ALL PLANT MATERIAL SHALL BE SUPPLIED BY APPROPRIATE SOURCES TO PREVENT UNDUE STRESS OR PROLONGED ACCLIMATIZATION WHICH WOULD INHIBIT PLANT GROWTH.
- LANDSCAPE CONTRACTOR IS TO VERIFY PLANT QUANTITIES SHOWN ON PLAN AND IN PLANT LIST. IF DISCREPANCIES OCCUR, LANDSCAPE CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
- ALL METAL EDGING IS TO BE USED (SEE PLANS). PROVIDE 4" DEEP CONTINUOUS MULCHED TRENCH AT EDGE BETWEEN BED & TURF. LOCATE 6" FROM DRIPLINE OF OUTER ROW OF SHRUBS, OR AT EDGE OF GROUNDCOVER.
- NO METAL EDGING SHOULD BE INSTALLED BETWEEN CONCRETE (CURB OR SIDEWALK) AND ADJACENT MATERIAL (SOD OR MULCH).
- LANDSCAPE CONTRACTOR IS RESPONSIBLE TO WASH DOWN THE PARKING LOT AFTER PLANTING INSTALLATION IS COMPLETE.
- CONTRACTOR SHALL REMOVE ALL TREE STAKING MATERIAL AT THE END OF THE ONE YEAR WARRANTY.
- ALL SHRUBS AND EVERGREEN TREES, EXCEPT AS NOTED**, SHALL BE PLANTED AND MAINTAINED IN THEIR NATURAL FORM TO CREATE A PLANT MASSING EFFECT. NO "GUMDROP" PRUNING IS ALLOWED.

GENERAL NOTES:

- UNDERGROUND UTILITIES;
A. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811.
B. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE MADE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.

PLANT SCHEDULE LANDSCAPE

TREES	QTY	COMMON NAME	CONT	CAL	SIZE
'OCTOBER GLORY' MAPLE	5	B&B	4" CAL	12"-14" HT	
EASTERN REDBUD	7	B&B	2" CAL	6"-8" HT	
DESERT WILLOW	3	B&B	2" CAL	6"-8" HT	
NELLIE STEVENS HOLLY	4	B&B	4" CAL	10"-12" HT	
SOUTHERN LIVE OAK	3	B&B	4" CAL	12"-14" HT	
CHINESE ELM TREE	6	B&B	4" CAL	12"-14" HT	

SHRUBS	QTY	COMMON NAME	CONT	HEIGHT	SPREAD	SPACING
CRIMSON PYGMY BARBERRY	9	T.B.D.	18"-21"	18"-21"	30" O.C.	
GREEN BEAUTY BOXWOOD	5	T.B.D.	24"-30"	30"-36"	48" O.C.	
CRANBERRY COTONEASTER	18	T.B.D.	18"-24"	24"-30"	48" O.C.	
DWARF BURFORD HOLLY	23	CONT	30"-36"	30"-36"	48" O.C.	
HELER JAPANESE HOLLY	19	T.B.D.	12"-15"	15"-18"	30" O.C.	
SEA GREEN JUNIPER	20	T.B.D.	15"-18"	24"-30"	48" O.C.	
SPARTAN JUNIPER	1	T.B.D.	6" MIN. HT	30"-36"	SPACE AS SHOWN	
SWITCH GRASS	12	CONT	30"-36"	24"-36"	AS SHOWN	
HAMELN DWARF FOUNTAIN GRASS	14	CONT	10"-12"	SPACE AS SHOWN	SPACE AS SHOWN	
ROSE	6	T.B.D.	18"-24"	18"-24"	48" O.C.	
ADAM'S NEEDLE	7	T.B.D.	18"-24"	18"-24"	36" O.C.	

GROUND COVERS	QTY	COMMON NAME	CONT	SPACING
DAYLILY	4	STELLA DE ORO DAYLILY	1 GAL	15" o.c.
LIRIOPE	90	MAJESTIC LIRIOPE	4" POT	12" o.c.

SOD/SEED	QTY	COMMON NAME	CONT	SPACING
SOD	14,835 SF	BERMUDA GRASS	SOD	SPACING

I-H 30 OVERLAY DISTRICT
269' LF OF PROPERTY LINE - 18' FOR ACCESS = 251 LF
251' / 100 = 2.51 MULTPLIER

	ORDINANCE	MULTIPLIER	REQUIRED	EXISTING	PROPOSED
* 4" CANOPY	2	2.51	5.02	4	1
4' UNDERSTORY	4	2.51	10.04	-	10
** SHRUBS	CONTINUOUS	NA	-	-	YES

BUFFER-STRIP PLANTINGS TO INCLUDE TWO CANOPY TREES, ALONG WITH FOUR ACCENT TREES PER 100 FEET OF THE I-H-30 RIGHT-OF-WAY.

THE BUFFER-STRIP SHALL BE A MINIMUM OF 20 FEET WIDE AND INCLUDE A "BUILT-UP" BERM AND/OR SHRUBBERY OR A COMBINATION OF BOTH ALONG THE ENTIRE LENGTH OF THE SUBJECT PROPERTY'S FRONTAGE ALONG THE I-H-30 RIGHT-OF-WAY. THE MINIMUM REQUIRED HEIGHT OF THE AFOREMENTIONED BERM AND/OR SHRUBBERY OR A COMBINATION THEREOF IS 30 INCHES AND SHALL NOT EXCEED A MAXIMUM HEIGHT OF 48 INCHES.

* EACH STREET SHALL BE PLANTED WITH A FOCUS ON ONE SPECIES TO REINFORCE STREET CHARACTER.

** SURFACE PARKING LOTS SHALL BE SCREENED FROM ALL ADJACENT PUBLIC STREETS AND NEIGHBORING SITES. THE SCREEN MUST EXTEND ALONG ALL EDGES OF THE PARKING LOT AND MUST BE THREE FEET IN HEIGHT, 80 PERCENT OPAQUE, AND MAY BE ACCOMPLISHED THROUGH THE USE OF MASONRY WALLS, ORNAMENTAL METAL, EVERGREEN PLANT MATERIALS, OR A COMBINATION THEREOF. PLANTING BEDS FOR SCREEN PLANTING SHALL BE A MINIMUM OF THREE FEET IN WIDTH.

Cracker Barrel
P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087

LOSE DESIGN
SPACES FOR LIFE.



DATE: 10-01-18
PROJECT NO.: LA18193

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
CRACKER BARREL
OLD COUNTRY STORE, INC.
845 EAST INTERSTATE 30
ROCKWALL, TEXAS 75087

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BLOCK A, LOT 1

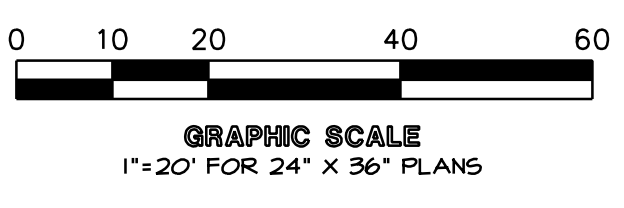
LANDSCAPE PLAN

LP1
PROTO 180-11F

CASE NUMBER: SP2018-028

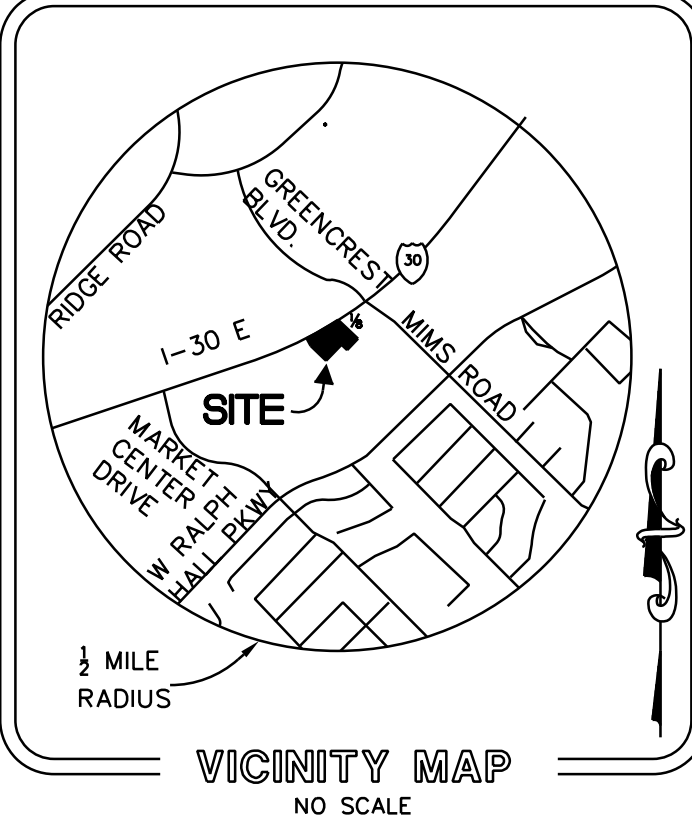
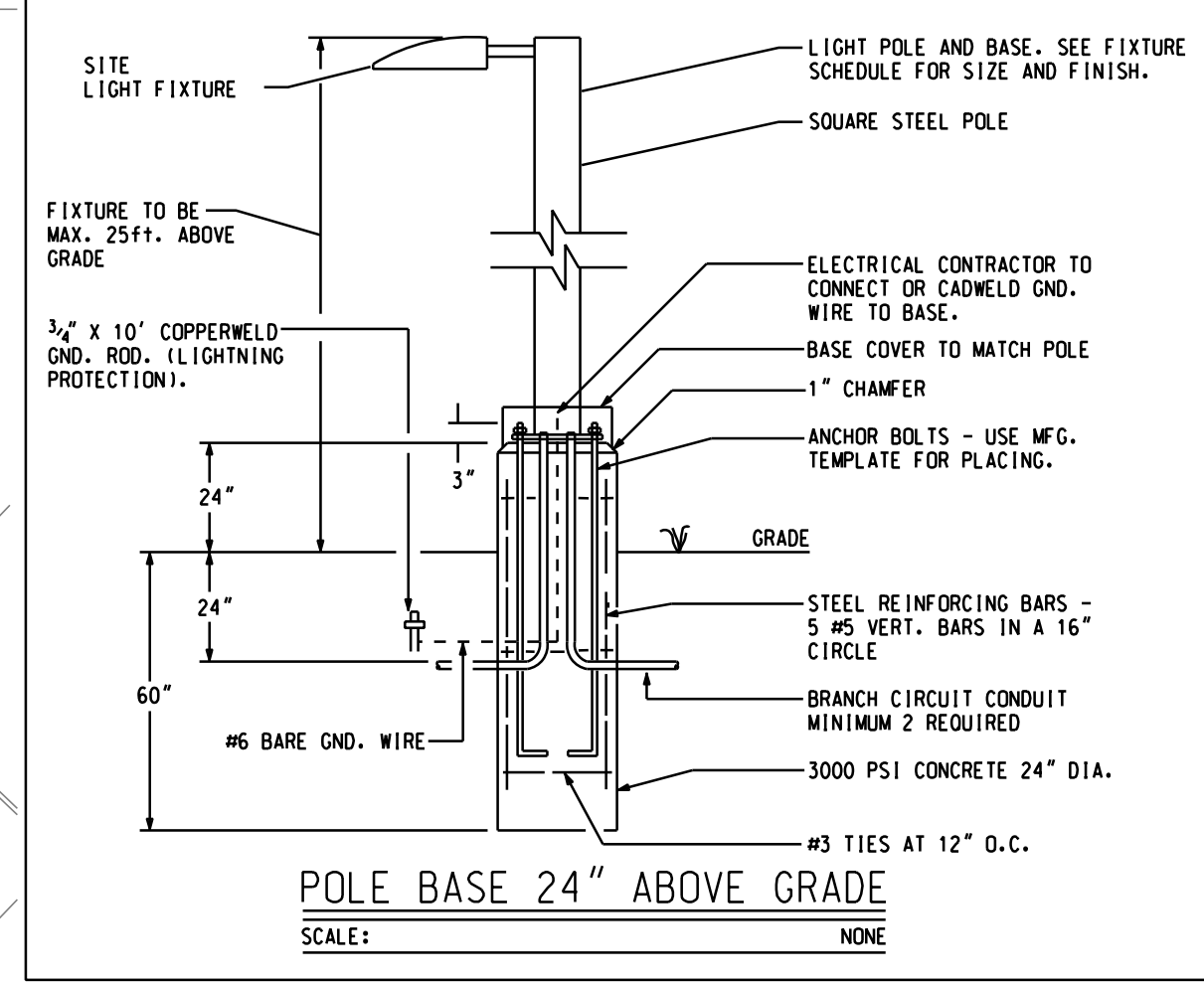
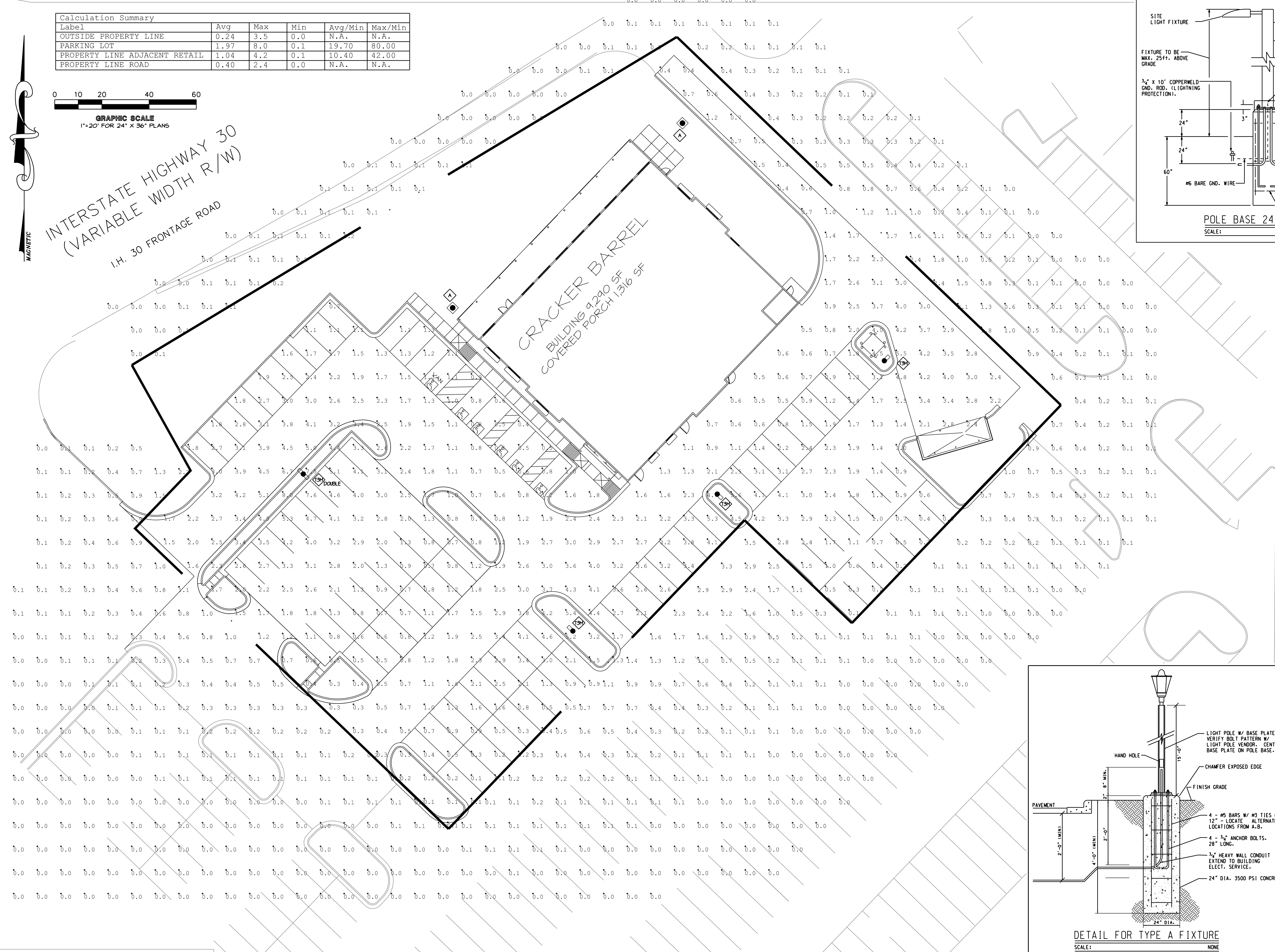
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Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
OUTSIDE PROPERTY LINE	0.24	3.5	0.0	N.A.	N.A.
PARKING LOT	1.97	8.0	0.1	19.70	80.00
PROPERTY LINE ADJACENT RETAIL	1.04	4.2	0.1	10.40	42.00
PROPERTY LINE ROAD	0.40	2.4	0.0	N.A.	N.A.



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD

CRACKER BARREL
BUILDING 9,290 SF
COVERED PORCH 1,316 SF



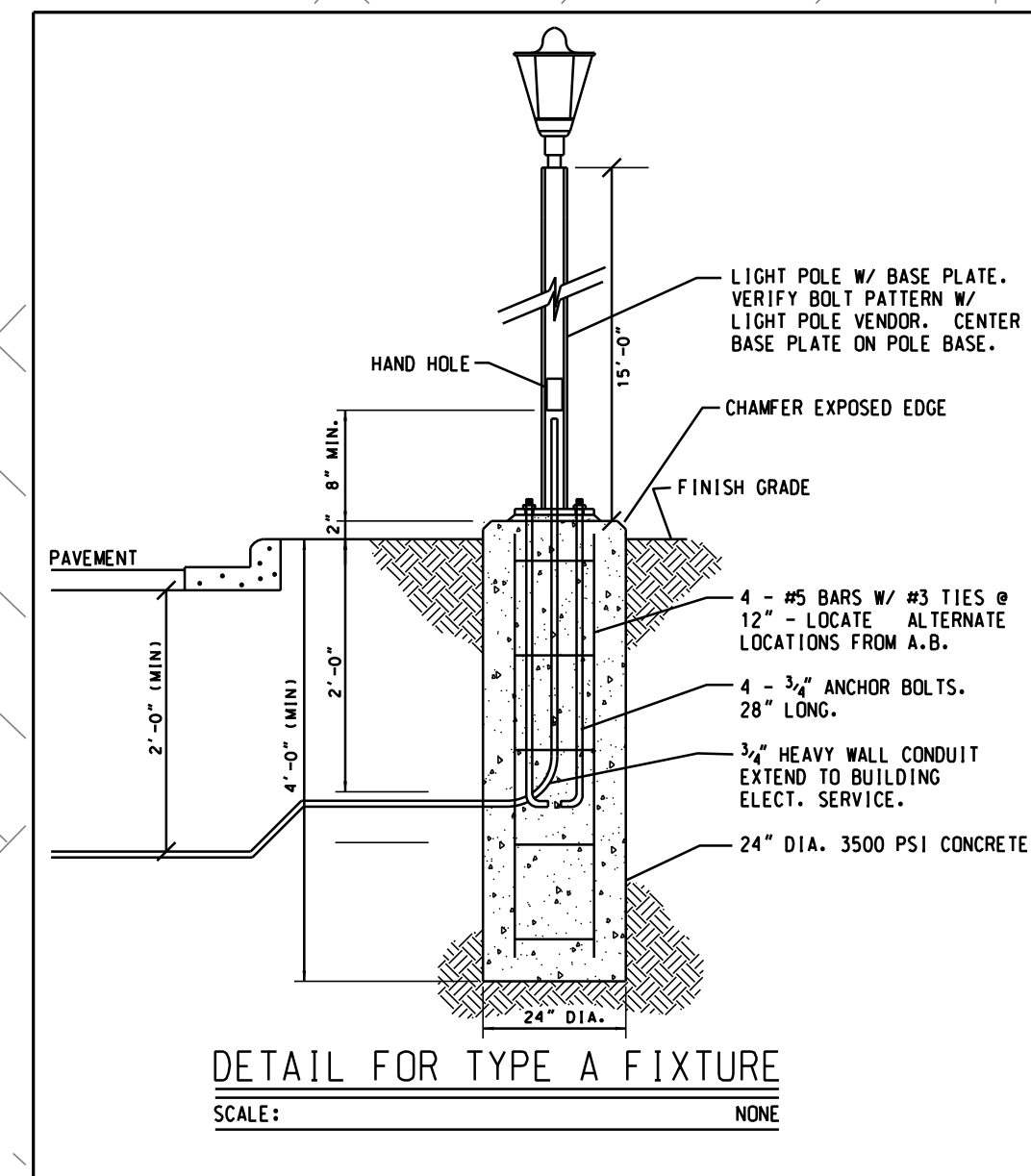
SITE DATA TABLE		
PROPOSED LAND USE:	COMMERCIAL	
ZONING DISTRICT:	C, COMMERCIAL	
MAXIMUM PERCENT IMPERVIOUS REQUIRED:	85%	
PERCENT IMPERVIOUS PROVIDED:	74%	
PARKING LOT LANDSCAPE AREA:	3,461 SF / 45,624 SF = 7.6%	
PROPOSED SITE SUMMARY		
USE:	ACRES	% SITE
SITE AREA:	1.57	100.0
BUILDING AREA:	0.24	15.3
IMPERVIOUS AREA:	1.00	63.7
LANDSCAPE AREA:	0.33	21.0
PARKING SUMMARY		
USE:	REQUIRED	PROVIDED
RESTAURANT (TOTAL):	93	94
ACCESSIBLE:	5	6
PARKING REQUIREMENTS		
USE:	PARKING REQUIREMENT	
RESTAURANT:	1 SPACE/100 SF = 9,290 = 93 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 93 SPACES	

NOTES

- A. BOUNDARY INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY BY: FREELAND AND ASSOCIATES, INC. 323 WEST STONE AVENUE, GREENVILLE, SOUTH CAROLINA 29604 DATED: 3-30-18
- B. TOTAL AREA OF SITE: 1.57 ACRES (68,474 SF)
- C. BUILDINGS: 9,290 SQ. FT. PORCH: 1,316 SQ. FT. / SEATING CAPACITY = 180
- D. ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD, UNLESS OTHERWISE NOTED.
- E. UNLESS NOTED OTHERWISE, CURB RADIUS 3.0' AND ANGLES ARE 90°.
- F. DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.

Cracker Barrel

P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087



PROPERTY OWNER: KOHL'S ILLINOIS, INC. 16611 TOOD RIDGEWOOD DRIVE MENCHONEE FALLS, WISCONSIN 53051 ERIC BORKENHAGEN (262) 703-1000
OWNER: CBOCS TEXAS LIMITED PARTNERSHIP P.O. BOX 787 LEBANON, TENNESSEE 37088-0787 TELEPHONE: (615) 444-5533
PLANS PREPARED BY: JONATHAN D. BROWN, P.E. ENTECH ENGINEERING INC. 5301 VIRGINIA WAY SUITE 140 BRENTWOOD, TENNESSEE 37027 (615) 373-2640

CRACKER BARREL PROJECT NUMBER: CB 764 ROCKWALL, TX -03
CRACKER BARREL
OLD COUNTRY STORE, INC.
845 EAST INTERSTATE 30
ROCKWALL, TEXAS 75087

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BLOCK A, LOT 1

CASE NUMBER: SP2018-028

REVISIONS	
Δ	Δ
Δ	Δ
Δ	Δ
Δ	Δ



PHOTOMETRIC SITE PLAN

ES1
PROTO 180-11F

CAUTION
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

LIGHTING FIXTURE SCHEDULE				
TYPE	MANUFACTURER & CATALOG NO.	LAMPS	WATTAGE	REMARKS
2 EA	BASELITE INT2041 WITH AMERLUX KIT AVI-U-SY-4H 4" SQ. x 15" SECURITY SSSP15-1	NICHIA NT23757 DR72 LED	60.2	DECORATIVE POST TOP UNIT W AMERLUX LIGHTING AVISTA SERIES 15' POLE - DARK BRONZE
3 EA	LITHONIA LIGHTING - DSX1 LED 60C 1000 40K T3M MVOLT/PIRH4V DDBX	LED / 40K	209	LUMINAIRE - DARK BRONZE W SENSOR AND STEP DIMMING
1 EA	LITHONIA LIGHTING - SSS 25 4C DM19AS DDB		418	25' ABOVE GRADE - DARK BRONZE
DOUBLE FIX.	LITHONIA LIGHTING - DSX1 LED 60C 1000 40K T3M MVOLT/PIRH4V DDBX	LED / 40K	418	LUMINAIRE - DARK BRONZE W SENSOR AND STEP DIMMING
	LITHONIA LIGHTING - SSS 25 4C DM29AS DDB	DOUBLE FIXTURE		25' ABOVE GRADE - DARK BRONZE DOUBLE MOUNTING 180°

NOTE: ALL FIXTURES SHALL BE PARTIAL OR FULL CUT-OFF SOURCE.

SQUARE STRAIGHT STEEL POLES

Specifications

SSP SERIES

- Square straight steel shaft
- One-piece construction
- 23/8" OD tenons, or factory-drilled side mount
- Ground lug standard (3/8" 16 thread)
- Steel base plate
- Two-piece base cover
- Four L-shaped fully galvanized anchor bolts with nuts and washers, metal template
- Finished in weatherproof powder-coat paint
- Gasketed hand hole standard



ORDERING INFORMATION

18' Pole cut down to meet the 15' Pole Spec.

Pole Catalog Number ¹	Height	Wind Load Rating ^{2,5}				Pole Size	Base Square	Anchor Bolt Size ³	Suggested Bolt Circle	Bolt Circle Range	Bolt Projection	Pole Weight ⁴ lbs
		90mph EPA	100mph EPA	110mph EPA	120mph EPA							
11 GAUGE												
SSP-4118-XXX-XX	18	13.8	10.6	8.2	6.3	4"	10.25"	3/4"	10.5"	8-11"	4"	147
SSP-4125-XXX-XX	25	6.4	4.3	2.7	1.4	4"	10.25"	3/4"	10.5"	8-11"	4"	190
SSP-5125-XXX-XX	25	8.8	5.9	3.6	1.9	5"	12"	1"	10.5"	10-13.5"	4"	231
7 GAUGE												
SSP-4725-XXX-XX	25	10.9	8.1	6.0	4.4	4"	11"	3/4"	10.5"	8-11"	4"	266
SSP-5722-XXX-XX	22	22.4	17.3	13.5	10.5	5"	12"	1"	10.5"	10-13.5"	4"	263
SSP-5728-XXX-XX	28	13.7	9.9	7.1	4.9	5"	12"	1"	10.5"	10-13.5"	4"	340
SSP-5730-XXX-XX	30	11.5	8.0	5.4	3.4	5"	12"	1"	10.5"	10-13.5"	4"	398

¹ Catalog Number, as listed, does not include tenons or machining for side mounting. Fixture mounting must be specified by substituting for all Xs in Catalog Number. Refer to Catalog Logic for top type and for mounting arrangements.

² Maximum allowable luminaire and bracketing weight is determined by multiplying the EPA values above by 30 pounds.

³ Factory supplied template must be used when setting anchor bolts. Security Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template.

⁴ Anchor bolt weights not included.

⁵ Allowable EPA loading based on AASHTO 2009 (LTS5) specification; Group II Loading, 50 year recurrence internal calculations are based on 3-second-gust wind speed data.

CATALOG LOGIC

SAMPLE CATALOG NUMBER



SERIES	
SSP	Square Straight Steel

SHAFT SIZE SQUARE / GAUGE	
41	4.0", 11 ga.
47	4.0", 7 ga.
51	5.0", 11 ga.
57	5.0", 7 ga.

NOMINAL POLE HEIGHT (in feet)	
See ordering information above ¹	

- NOTES:
- Aluminum poles available, consult factory.
 - All factory stocked poles are shipped as tenon tops unless drill mounting holes are specified.
 - Consult factory for available pole options (receptacle, mid-pole brackets, and banner mounting arm)



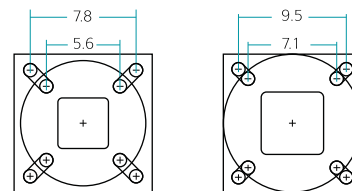
TOP TYPE	
1	23/8" OD Tenon ²
5	Removable Tenon ²
6	Side mount

MOUNTING ARRANGEMENT	
A	One Fixture
B	Two Fixtures at 90°
C	Two Fixtures at 180°
D	Three Fixtures at 90°
F	Four Fixtures at 90°
P	Tenons only

FIXTURE TYPE	
0	None, tenon only
2	ASB-F, RSB-RCS/RCL, WL, MXC, SL, CR1, CM, CM2

OPTION	
BLANK	Standard
GL	Hot Dip Galvanized

BOLT TEMPLATE



4" Square Pole

5" Square Pole

FINISH	
DB	Dark Bronze
BK	Black
WH	White
PS	Platinum Silver
00	Natural Galvanized Finish

¹ Consult factory for other available pole heights.
² Only for use with optional tenon top mounting brackets or ASB mounting brackets.

ACCESSORY: TENON TOP MOUNTING BRACKET

Catalog Number	Description
TTF-10	Single
TTF-29	Twin 90°
TTF-28	Twin 180°
TTF-39	Triple 90°
TTF-30	Triple 120°
TTF-49	Quad 90°

SQUARE STRAIGHT STEEL POLES

Specifications

SSP SERIES

- Square straight steel shaft
- One-piece construction
- 23/8" OD tenons, or factory-drilled side mount
- Ground lug standard (3/8" 16 thread)
- Steel base plate
- Two-piece base cover
- Four L-shaped fully galvanized anchor bolts with nuts and washers, metal template
- Finished in weatherproof powder-coat paint
- Gasketed hand hole standard



ORDERING INFORMATION

18' Pole cut down to meet the 15' Pole Spec.

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¹ Catalog Number, as listed, does not include tenons or machining for side mounting. Fixture mounting must be specified by substituting for all Xs in Catalog Number. Refer to Catalog Logic for top type and for mounting arrangements.

² Maximum allowable luminaire and bracketing weight is determined by multiplying the EPA values above by 30 pounds.

³ Factory supplied template must be used when setting anchor bolts. Security Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template.

⁴ Anchor bolt weights not included.

⁵ Allowable EPA loading based on AASHTO 2009 (LTS5) specification; Group II Loading, 50 year recurrence internal calculations are based on 3-second-gust wind speed data.

CATALOG LOGIC

SAMPLE CATALOG NUMBER



SERIES	
SSP	Square Straight Steel

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41	4.0", 11 ga.
47	4.0", 7 ga.
51	5.0", 11 ga.
57	5.0", 7 ga.

NOMINAL POLE HEIGHT (in feet)	
See ordering information above ¹	

- NOTES:
- Aluminum poles available, consult factory.
 - All factory stocked poles are shipped as tenon tops unless drill mounting holes are specified.
 - Consult factory for available pole options (receptacle, mid-pole brackets, and banner mounting arm)



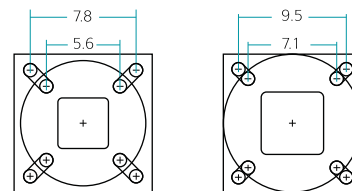
TOP TYPE	
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5	Removable Tenon ²
6	Side mount

MOUNTING ARRANGEMENT	
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B	Two Fixtures at 90°
C	Two Fixtures at 180°
D	Three Fixtures at 90°
F	Four Fixtures at 90°
P	Tenons only

FIXTURE TYPE	
0	None, tenon only
2	ASB-F, RSB-RCS/RCL, WL, MXC, SL, CR1, CM, CM2

OPTION	
BLANK	Standard
GL	Hot Dip Galvanized

BOLT TEMPLATE



4" Square Pole

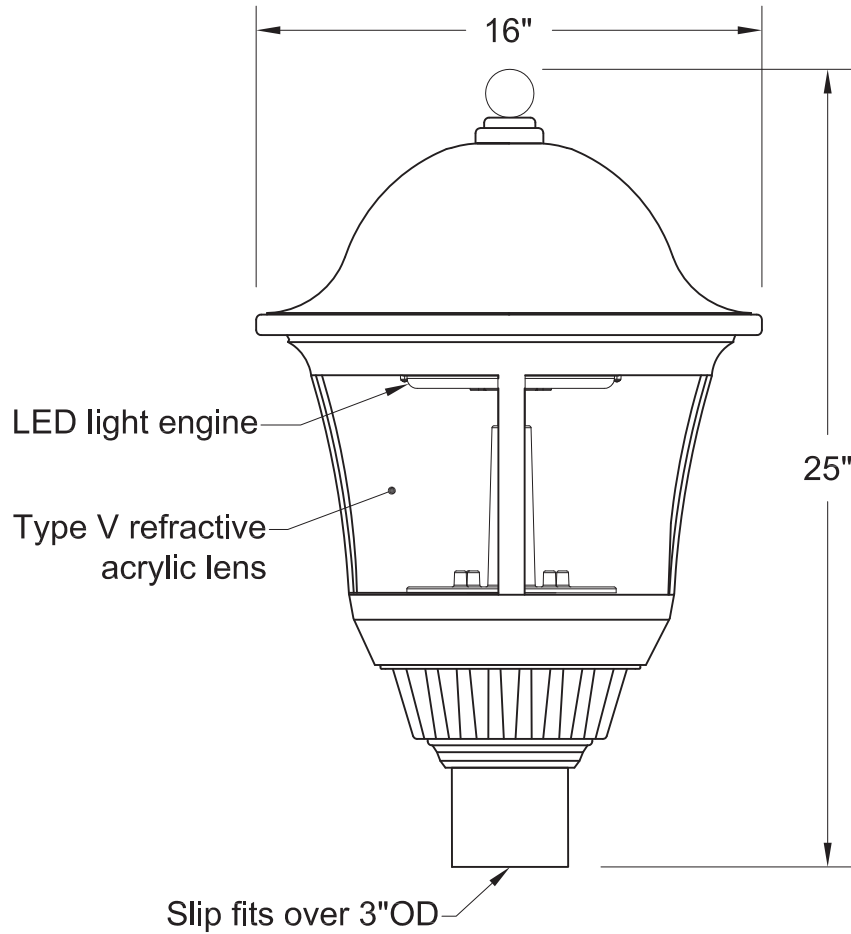
5" Square Pole

FINISH	
DB	Dark Bronze
BK	Black
WH	White
PS	Platinum Silver
00	Natural Galvanized Finish

¹ Consult factory for other available pole heights.
² Only for use with optional tenon top mounting brackets or ASB mounting brackets.

ACCESSORY: TENON TOP MOUNTING BRACKET


Catalog Number	Description
TTF-10	Single
TTF-29	Twin 90°
TTF-28	Twin 180°
TTF-39	Triple 90°
TTF-30	Triple 120°
TTF-49	Quad 90°



Approved By _____ Date _____

NOTICE: THIS DRAWING IS FOR REFERENCE ONLY. CHECK FOR LATEST REVISION PRIOR TO ORDERING. THIS DRAWING SHOULD ACCOMPANY YOUR ORDER. THANK YOU



<p>DATE 4/11/2016</p>		<p>PART STRING D265-T5/AVI-SY-4H/FIN-BALL 1.5"/STANDARD FINISH</p>		<p>FILE NAME CRACKER BARREL POST TOP LED_537686.dwg</p>	
<p>QUOTE #/ SO # 537686</p>				<p>NOTES</p>	
<p>JOB NAME: CRACKER BARREL POST TOP LED</p>					
<p>www.amerluxexterior.com 3450 S. SAM HOUSTON PARKWAY E. SUITE 400 HOUSTON, TX. 77047 PHONE: (281) 997-5400 FAX: (281) 997-5441 TOLL FREE: (800) 364-0098</p>		<p>LIGHT SOURCE ● LED</p>	<p>VOLTAGE ● 120-277V</p>	<p>DRAWN BY JM</p>	
 <p>EXTERIOR LIGHTING GROUP</p>		<p>LIGHT DISTRIBUTION ● Type V</p>	<p>FINISH ● STD Standard finish</p>	<p>GENERAL: EXTERIOR HARDWARE WILL BE STAINLESS STEEL. ELECTRICAL COMPONENTS WILL BE ETL LISTED "SUITABLE FOR WET LOCATIONS."</p>	



FEATURES & SPECIFICATIONS

INTENDED USE — Square straight steel pole for up to 39-foot mounting height.

CONSTRUCTION — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

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

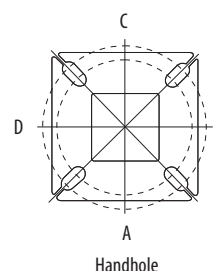
Example: SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting ¹	Options	Finish ¹⁰	
SSS	10 – 39 feet (See back page.) 25'	(See back page.)	<p>Tenon mounting</p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p>Drill mounting²</p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p>CSX/DSX/AERIS™/OMERO™ Drill mounting²</p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p>AERIS™ Suspend drill mounting^{2,3}</p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p>OMERO™ Suspend drill mounting^{2,3}</p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p>Shipped installed</p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)^{4,5}</p> <p>FDLxx Festoon outlet less electrical⁴</p> <p>CPL12xx 1/2" coupling⁴</p> <p>CPL34xx 3/4" coupling⁴</p> <p>CPL1xx 1" coupling⁴</p> <p>NPL12xx 1/2" threaded nipple⁴</p> <p>NPL34xx 3/4" threaded nipple⁴</p> <p>NPL1xx 1" threaded nipple⁴</p> <p>EHHxx Extra handhole^{4,6}</p> <p>MAEX Match existing⁷</p> <p>USPOM United States point of manufacture⁸</p> <p>IC Interior coating⁹</p>	<p>Standard colors</p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p>Classic colors</p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p>Architectural colors (powder finish)¹⁰</p>

NOTES:

- 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.
- The drilling template 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.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

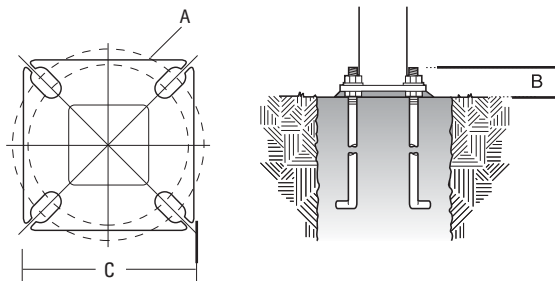
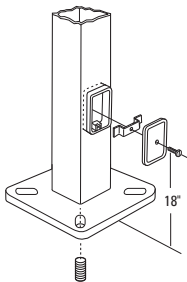
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective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

SSS Square Straight Steel Poles

TECHNICAL INFORMATION

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

BASE DETAIL



POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



d#series

D-Series Size 1 LED Area Luminaire



Catalog Number	DSX1-LED-60C-1000-40K-T3M-MVOLT
Notes	
Type	

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

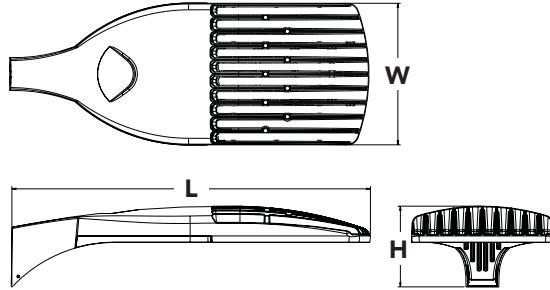
Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100 – 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
	DSX1 LED	Forward optics	530 530 mA	30K 3000 K	T1S Type I Short	MVOLT ³	Shipped included
		30C 30 LEDs (one engine)	700 700 mA	40K 4000 K	T2S Type II Short	120 ³	SPA Square pole mounting
		40C 40 LEDs (two engines)	1000 1000 mA (1 A)	50K 5000 K	T2M Type II Medium	208 ³	RPA Round pole mounting
		Rotated optics ¹		AMBPC Amber phosphor converted ²	T3S Type III Short	240 ³	WBA Wall bracket
		60C 60 LEDs (two engines)			T3M Type III Medium	277 ³	SPUMBA Square pole universal mounting adaptor ⁵
		60C 60 LEDs (two engines)			T4M Type IV Medium	347 ⁴	RPUMBA Round pole universal mounting adaptor ⁵
						480 ⁴	Shipped separately
							KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁶

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) ⁷	HS House-side shield ¹⁶	DBLXD Black
PER5 Five-wire receptacle only (no controls) ^{7,8}	WTB Utility terminal block ¹⁷	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) ^{7,8}	SF Single fuse (120, 277, 347V) ¹⁸	DWHXD White
DMG 0-10V dimming driver (no controls) ⁹	DF Double fuse (208, 240, 480V) ¹⁸	DBTDXD Textured dark bronze
DCR Dimmable and controllable via ROAM® (no controls) ¹⁰	L90 Left rotated optics ¹⁹	DBL BXD Textured black
DS Dual switching ^{11,12}	R90 Right rotated optics ¹⁹	DNATXD Textured natural aluminum
PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		DWHGXD Textured white
PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹³		
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ¹³		
BL30 Bi-level switched dimming, 30% ^{12,14}		
BL50 Bi-level switched dimming, 50% ^{12,14}		
PNMTDD3 Part night, dim till dawn ¹⁵		
PNMT5D3 Part night, dim 5 hrs ¹⁵		
PNMT6D3 Part night, dim 6 hrs ¹⁵		
PNMT7D3 Part night, dim 7 hrs ¹⁵		
	(PIRH4V)	

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
SC U	Shorting cap ²⁰
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

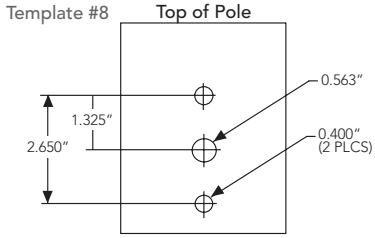
NOTES

- Rotated optics available with 60C only.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net. N/A with DS, PER5, PER7, BL30, BL50 or PNMT options.
- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the **SensorSwitch SBGR-10-ODP** control; PIRH and PIRH1FC3V specify the **SensorSwitch SBGR-6-ODP** control; see **Motion Sensor Guide** for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

For more control options, visit [DTL](#) and [ROAM](#) online.



Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**Far round pole mounting (RPA) only.

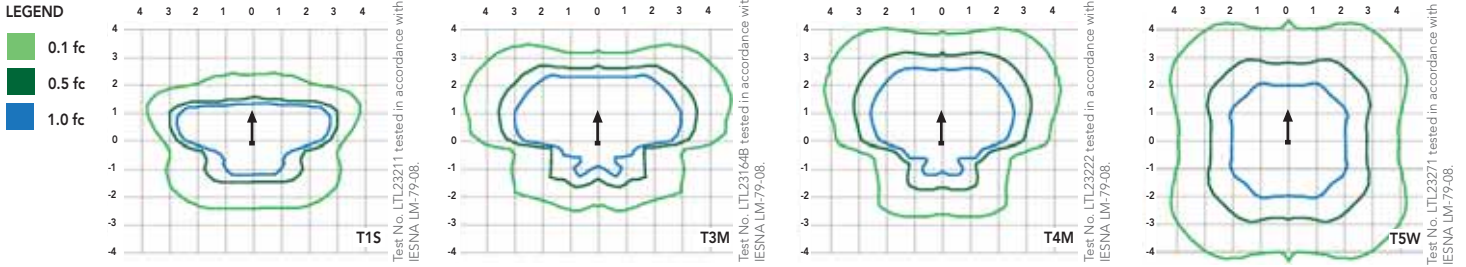
Tenon Mounting Slipfitter **

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

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	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

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.

LEDs	Drive Current (mA)	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		
30C (30 LEDs)	700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67		
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70		
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68		
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69		
			T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
			T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
			TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
			TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
			TSS	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
			TSM	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
			TSW	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
			1000 mA	105 W	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106					
					T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110					
					T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107					
	T3S	10,395			2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490			2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632			2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473			2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064			3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
	TSS	11,145			3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115							
	TSM	11,165			3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115							
	TSW	11,001			3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113							
	700 mA	89 W			T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	103	6,014	1	0	1	68
					T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	106	6,299	2	0	2	71
					T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	104	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	103	6,229	1	0	2	70		
			T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	104	6,198	2	0	2	70		
			T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	106	6,209	1	0	2	70		
TFTM			10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	104	6,115	1	0	2	69			
TSVS			10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	110	6,490	2	0	0	73			
TSS			10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	111	6,411	2	0	0	72			
TSM			10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	111	6,492	3	0	1	73			
TSW			10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	109	6,311	3	0	2	71			
1000 mA			138 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107						
				T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
				T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
	T3S	13,739		2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108								
	T3M	13,864		2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
	T4M	14,052		2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
	TFTM	13,842		2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108								
	TSVS	14,623		3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115								
	TSS	14,731		3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
	TSM	14,757		4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
	TSW	14,540		4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
	60C (60 LEDs)	700 mA		131 W	T1S	14,694	2	0	2	106	15,779	3	0	3	114	15,877	3	0	3	115	8,952	2	0	2	68
					T2S	15,150	3	0	3	110	16,269	3	0	3	118	16,370	3	0	3	119	9,377	2	0	2	72
					T2M	14,803	2	0	3	107	15,896	3	0	3	115	15,995	3	0	3	116	9,072	2	0	2	69
T3S			14,785		2	0	2	107	15,877	3	0	3	115	15,976	3	0	3	116	9,273	2	0	2	71		
T3M			14,919		2	0	2	108	16,021	3	0	3	116	16,121	3	0	3	117	9,227	2	0	2	70		
T4M			15,122		2	0	2	110	16,238	3	0	3	118	16,340	3	0	3	118	9,243	2	0	2	71		
TFTM			14,896		2	0	3	108	15,996	2	0	3	116	16,096	2	0	3	117	9,103	2	0	2	69		
TSVS			15,736		3	0	1	114	16,898	4	0	1	122	17,004	4	0	1	123	9,661	3	0	1	74		
TSS			15,852		3	0	1	115	17,022	4	0	1	123	17,129	4	0	1	124	9,544	3	0	1	73		
TSM			15,880		4	0	2	115	17,052	4	0	2	124	17,159	4	0	2	124	9,665	3	0	2	74		
TSW			15,647		4	0	2	113	16,802	4	0	2	122	16,907	4	0	2	123	9,395	4	0	2	72		
1000 mA			209 W		T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104					
					T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107					
					T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105					
		T3S		20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
		T3M		20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
		T4M		20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
		TFTM		20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
		TSVS		21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
		TSS		21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
		TSM		21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
		TSW		21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 (1.2 ft²) 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 standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 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 configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 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 or 6kV 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, 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.



FEATURES & SPECIFICATIONS

INTENDED USE — Square straight steel pole for up to 39-foot mounting height.

CONSTRUCTION — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

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

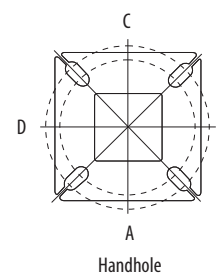
Example: SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting ¹	Options	Finish ¹⁰	
SSS	10 – 39 feet (See back page.) 25'	(See back page.)	<p>Tenon mounting</p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p>Drill mounting²</p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p>CSX/DSX/AERIS™/OMERO™ Drill mounting²</p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p>AERIS™ Suspend drill mounting^{2,3}</p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p>OMERO™ Suspend drill mounting^{2,3}</p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p>Shipped installed</p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)^{4,5}</p> <p>FDLxx Festoon outlet less electrical⁴</p> <p>CPL12xx 1/2" coupling⁴</p> <p>CPL34xx 3/4" coupling⁴</p> <p>CPL1xx 1" coupling⁴</p> <p>NPL12xx 1/2" threaded nipple⁴</p> <p>NPL34xx 3/4" threaded nipple⁴</p> <p>NPL1xx 1" threaded nipple⁴</p> <p>EHHxx Extra handhole^{4,6}</p> <p>MAEX Match existing⁷</p> <p>USPOM United States point of manufacture⁸</p> <p>IC Interior coating⁹</p>	<p>Standard colors</p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p>Classic colors</p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p>Architectural colors (powder finish)¹⁰</p>

NOTES:

- 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.
- The drilling template 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.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

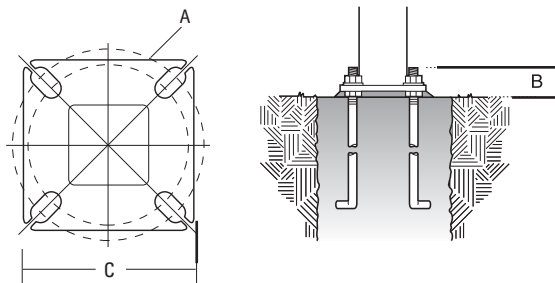
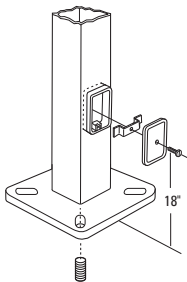
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective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

SSS Square Straight Steel Poles

TECHNICAL INFORMATION

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

BASE DETAIL



POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



d#series

D-Series Size 1 LED Area Luminaire



Catalog Number	DSX1-LED-60C-1000-40K-T3M-MVOLT
Notes	
Type	

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

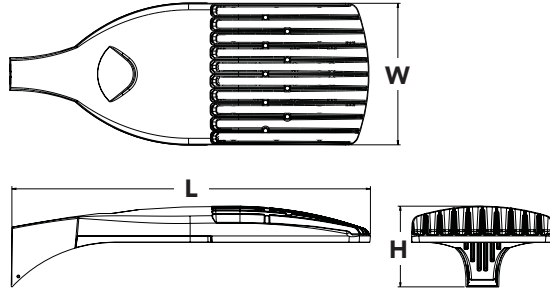
Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100 – 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
	DSX1 LED	Forward optics	530 530 mA	30K 3000 K	T1S Type I Short	MVOLT ³	Shipped included
		30C 30 LEDs (one engine)	700 700 mA	40K 4000 K	T2S Type II Short	120 ³	SPA Square pole mounting
		40C 40 LEDs (two engines)	1000 1000 mA (1 A)	50K 5000 K	T2M Type II Medium	208 ³	RPA Round pole mounting
		Rotated optics ¹		AMBPC Amber phosphor converted ²	T3S Type III Short	240 ³	WBA Wall bracket
		60C 60 LEDs (two engines)			T3M Type III Medium	277 ³	SPUMBA Square pole universal mounting adaptor ⁵
		60C 60 LEDs (two engines)			T4M Type IV Medium	347 ⁴	RPUMBA Round pole universal mounting adaptor ⁵
						480 ⁴	Shipped separately
							KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁶

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) ⁷	HS House-side shield ¹⁶	DBLXD Black
PER5 Five-wire receptacle only (no controls) ^{7,8}	WTB Utility terminal block ¹⁷	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) ^{7,8}	SF Single fuse (120, 277, 347V) ¹⁸	DWHXD White
DMG 0-10V dimming driver (no controls) ⁹	DF Double fuse (208, 240, 480V) ¹⁸	DBTDXD Textured dark bronze
DCR Dimmable and controllable via ROAM® (no controls) ¹⁰	L90 Left rotated optics ¹⁹	DBLBDX Textured black
DS Dual switching ^{11,12}	R90 Right rotated optics ¹⁹	DNATXD Textured natural aluminum
PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		DWHGXD Textured white
PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹³		
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ¹³		
BL30 Bi-level switched dimming, 30% ^{12,14}		
BL50 Bi-level switched dimming, 50% ^{12,14}		
PNMTDD3 Part night, dim till dawn ¹⁵		
PNMT5D3 Part night, dim 5 hrs ¹⁵		
PNMT6D3 Part night, dim 6 hrs ¹⁵		
PNMT7D3 Part night, dim 7 hrs ¹⁵		
		(PIRH4V)

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
SCU	Shorting cap ²⁰
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

For more control options, visit [DTL](#) and [ROAM](#) online.

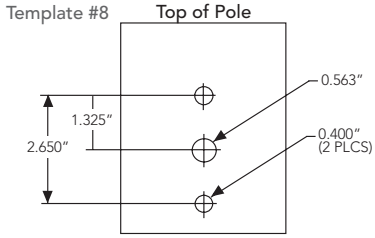
NOTES

- Rotated optics available with 60C only.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net. N/A with DS, PER5, PER7, BL30, BL50 or PNMT options.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the [SensorSwitch SBGR-10-ODP](#) control; PIRH and PIRH1FC3V specify the [SensorSwitch SBGR-6-ODP](#) control; see [Motion Sensor Guide](#) for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.



Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.
**Far round pole mounting (RPA) only.

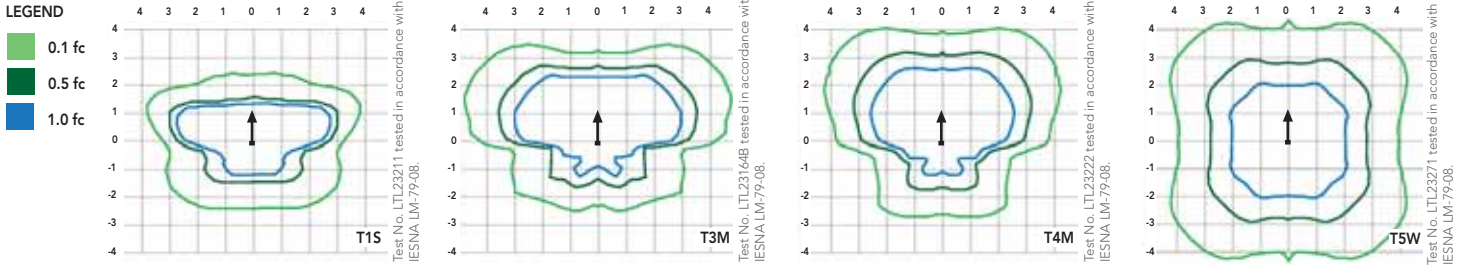
Tenon Mounting Slipfitter **

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's **D-Series Area Size 1** homepage.

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

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	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

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.

LEDs	Drive Current (mA)	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		
30C (30 LEDs)	700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67		
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70		
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68		
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69		
			T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
			T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
			TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
			TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
			TSS	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
			TSM	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
			TSW	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
			1000 mA	105 W	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106					
					T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110					
					T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107					
	T3S	10,395			2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490			2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632			2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473			2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064			3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
	TSS	11,145			3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115							
	TSM	11,165			3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115							
	TSW	11,001			3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113							
	700 mA	89 W			T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	103	6,014	1	0	1	68
					T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	106	6,299	2	0	2	71
					T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	104	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	103	6,229	1	0	2	70		
			T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	104	6,198	2	0	2	70		
			T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	106	6,209	1	0	2	70		
TFTM			10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	104	6,115	1	0	2	69			
TSVS			10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	110	6,490	2	0	0	73			
TSS			10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	111	6,411	2	0	0	72			
TSM			10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	111	6,492	3	0	1	73			
TSW			10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	109	6,311	3	0	2	71			
1000 mA			138 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107						
				T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
				T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
	T3S	13,739		2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108								
	T3M	13,864		2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
	T4M	14,052		2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
	TFTM	13,842		2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108								
	TSVS	14,623		3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115								
	TSS	14,731		3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
	TSM	14,757		4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
	TSW	14,540		4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
	60C (60 LEDs)	700 mA		131 W	T1S	14,694	2	0	2	106	15,779	3	0	3	114	15,877	3	0	3	115	8,952	2	0	2	68
					T2S	15,150	3	0	3	110	16,269	3	0	3	118	16,370	3	0	3	119	9,377	2	0	2	72
					T2M	14,803	2	0	3	107	15,896	3	0	3	115	15,995	3	0	3	116	9,072	2	0	2	69
T3S			14,785		2	0	2	107	15,877	3	0	3	115	15,976	3	0	3	116	9,273	2	0	2	71		
T3M			14,919		2	0	2	108	16,021	3	0	3	116	16,121	3	0	3	117	9,227	2	0	2	70		
T4M			15,122		2	0	2	110	16,238	3	0	3	118	16,340	3	0	3	118	9,243	2	0	2	71		
TFTM			14,896		2	0	3	108	15,996	2	0	3	116	16,096	2	0	3	117	9,103	2	0	2	69		
TSVS			15,736		3	0	1	114	16,898	4	0	1	122	17,004	4	0	1	123	9,661	3	0	1	74		
TSS			15,852		3	0	1	115	17,022	4	0	1	123	17,129	4	0	1	124	9,544	3	0	1	73		
TSM			15,880		4	0	2	115	17,052	4	0	2	124	17,159	4	0	2	124	9,665	3	0	2	74		
TSW			15,647		4	0	2	113	16,802	4	0	2	122	16,907	4	0	2	123	9,395	4	0	2	72		
1000 mA			209 W		T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104					
					T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107					
					T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105					
		T3S		20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
		T3M		20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
		T4M		20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
		TFTM		20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
		TSVS		21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
		TSS		21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
		TSM		21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
		TSW		21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 (1.2 ft²) 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 standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 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 configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 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 or 6kV 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

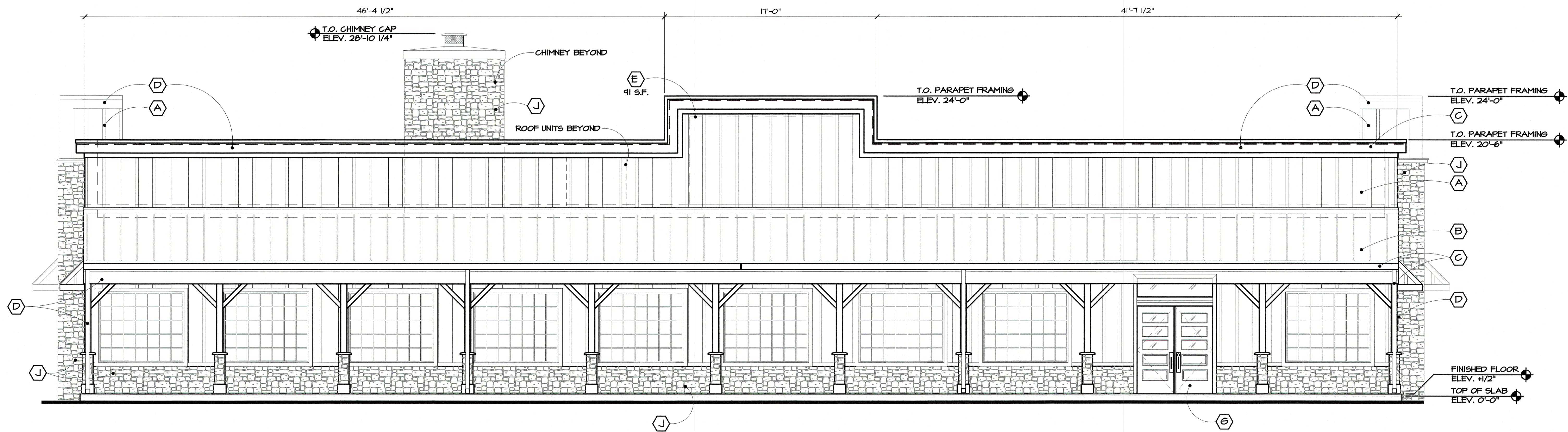
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

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

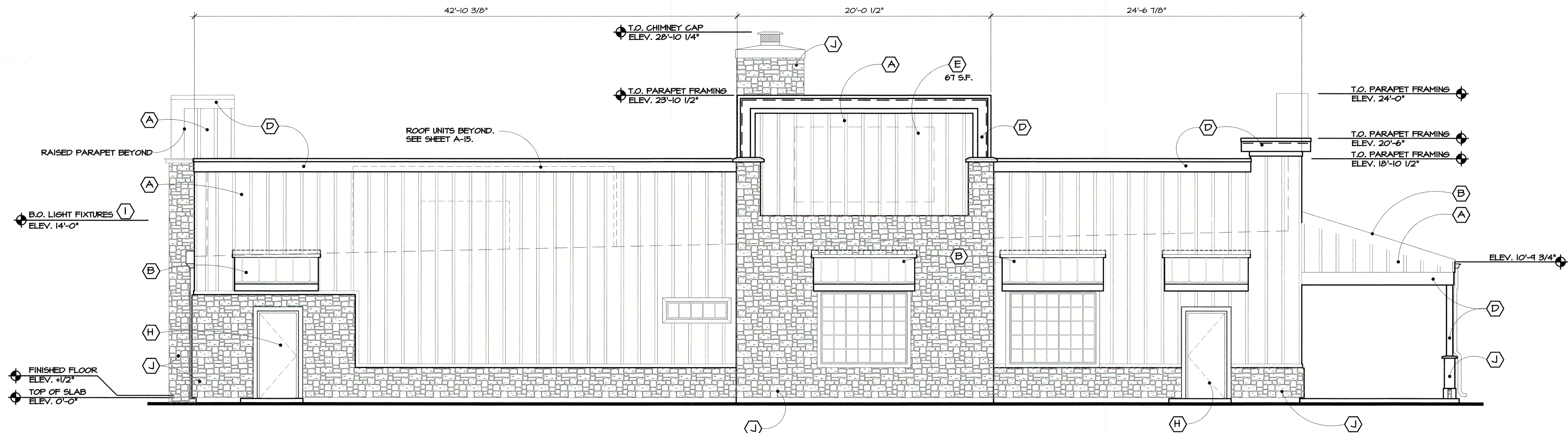
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



TOTAL MATERIAL AREA: 1,926 sf
 A - FIBER CEMENT PANELING: 1,412 sf (73.3%)
 D - ROUGH-SAWN WOOD TRIM AND FASCIA: 167 sf (8.6%)
 J - STONE VENEER: 353 sf (18.3%)

1 NORTHWEST ELEVATION - FACES STREET

A-4 SCALE 1/4" = 1'-0"



TOTAL MATERIAL AREA LESS OPENINGS: 1,716 sf
 A - FIBER CEMENT PANELING: 1,027 sf (61.2%)
 D - ROUGH-SAWN WOOD TRIM AND FASCIA: 184 sf (10.3%)
 J - STONE VENEER: 505 sf (28.4%)

2 NORTHEAST ELEVATION

A-4 SCALE 1/4" = 1'-0"

EXTERIOR MATERIALS LEGEND (A)

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA FIBER CEMENT SIDING & BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM AT PORCH COLUMNS	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINWAX OIL STAIN 'GOLDEN OAK'
H	METAL SERVICE / EXIT DOORS & FRAMES	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	NATURAL STONE VENEER	'OKLAHOMA LEDGESTONE' - COBRA STONE

CRACKER BARREL
 OLD COUNTRY STORE, INC.
 845 EAST INTERSTATE 30
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER: SP2018-028

CRACKER BARREL STORE NUMBER: CB-394 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 845 EAST INTERSTATE 30
 ROCKWALL, TX 75087

Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, TN 37087



1645 Westgate Circle
 Brentwood, TN 37027
 615-370-1779
 Fax: 370-9108
 WWW.JORDANINC.US

TN DESIGN and ENGINEERING INC.

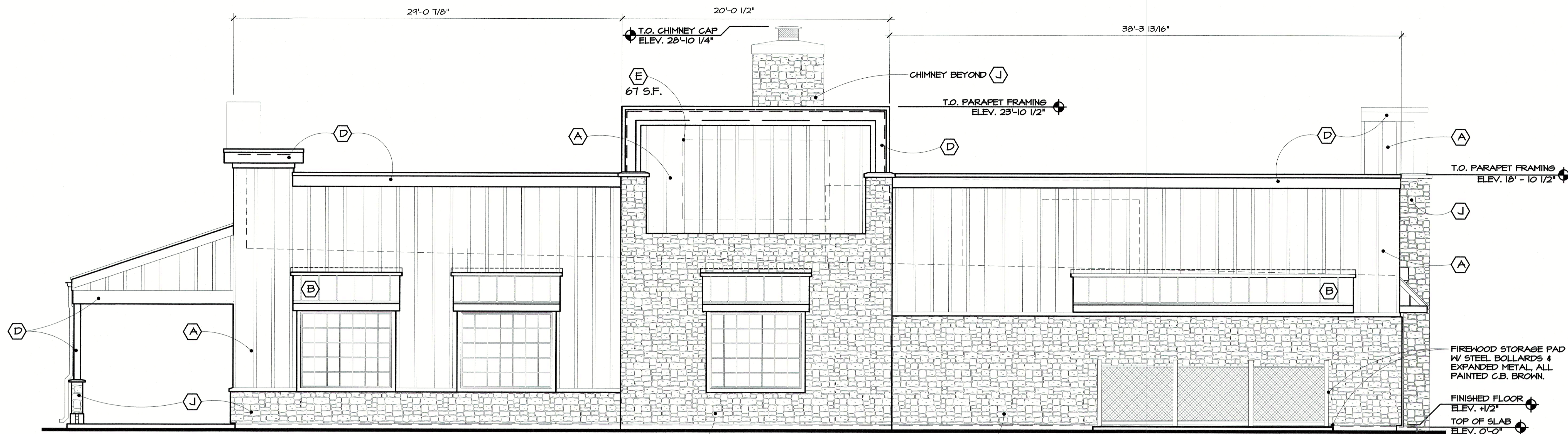
INITIAL DATE: OCT. 1, 2018
 RE-ISSUE DATE:

REVISIONS

11-16-15

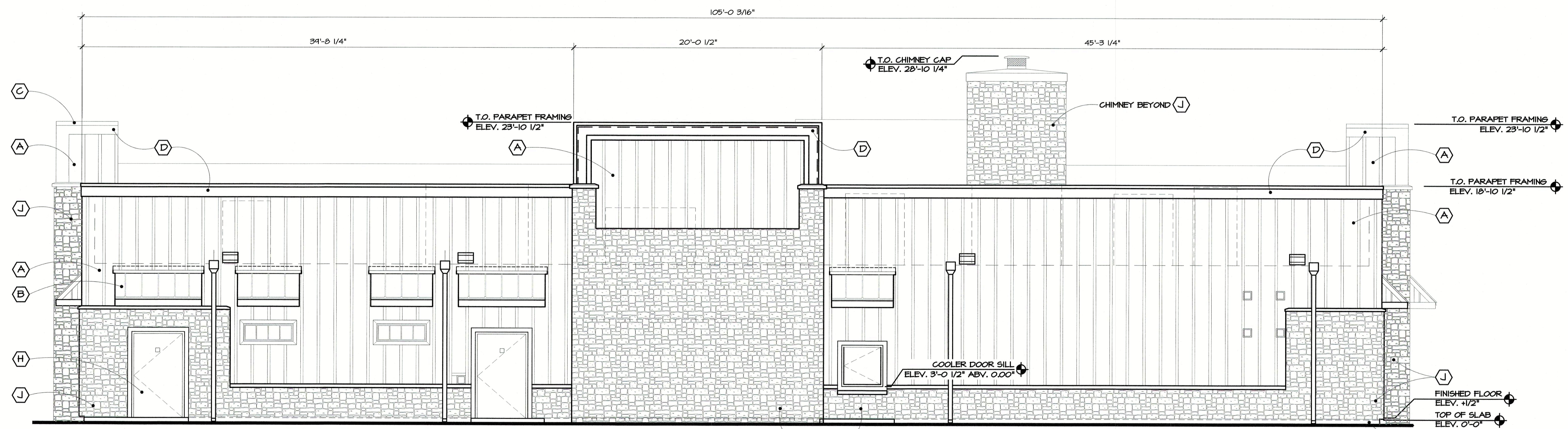


A-4
 EXTERIOR ELEVATIONS
 CB 180 TIF-112



TOTAL MATERIAL AREA: 1,700 sf
 A - FIBER CEMENT PANELING: 899 sf (50.3%)
 D - ROUGH-SAWN WOOD TRIM AND FASCIA: 197 sf (11%)
 J - NATURAL STONE VENEER: 612 sf (38.7%)

1 **SOUTHWEST ELEVATION**
 SCALE 1/4" = 1'-0"



TOTAL MATERIAL AREA: 2,206 sf
 A - FIBER CEMENT PANELING: 1,284 sf (58.2%)
 D - ROUGH-SAWN WOOD TRIM AND FASCIA: 162 sf (7.3%)
 J - NATURAL STONE VENEER: 760 sf (34.5%)

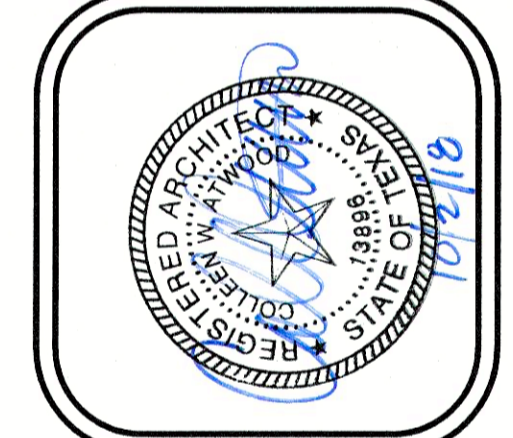
2 **SOUTHEAST ELEVATION**
 SCALE 1/4" = 1'-0"

NOTE: PAINT ALL EXPOSED FOUNDATION WALLS CRACKER BARREL BROWN

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA SIDING & MIRATEC BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINIAX OIL STAIN 'GOLDEN OAK'
H	METAL SERVICE / EXIT DOORS & FRAMES	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	NATURAL STONE VENEER	'OKLAHOMA LEDGESTONE' - COBRA STONE

CRACKER BARREL STORE NUMBER: CB-261 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 845 EAST INTERSTATE 30
 ROCKWALL, TX 75087
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Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, TN 37087



1645 Westgate Circle
 Brentwood, TN 37027
 615-370-1779
 fax: 370-9108
 www.dandwinc.us

TN DESIGN and ENGINEERING, INC.

INITIAL DATE: OCT. 1, 2018
 RE-ISSUE DATE:

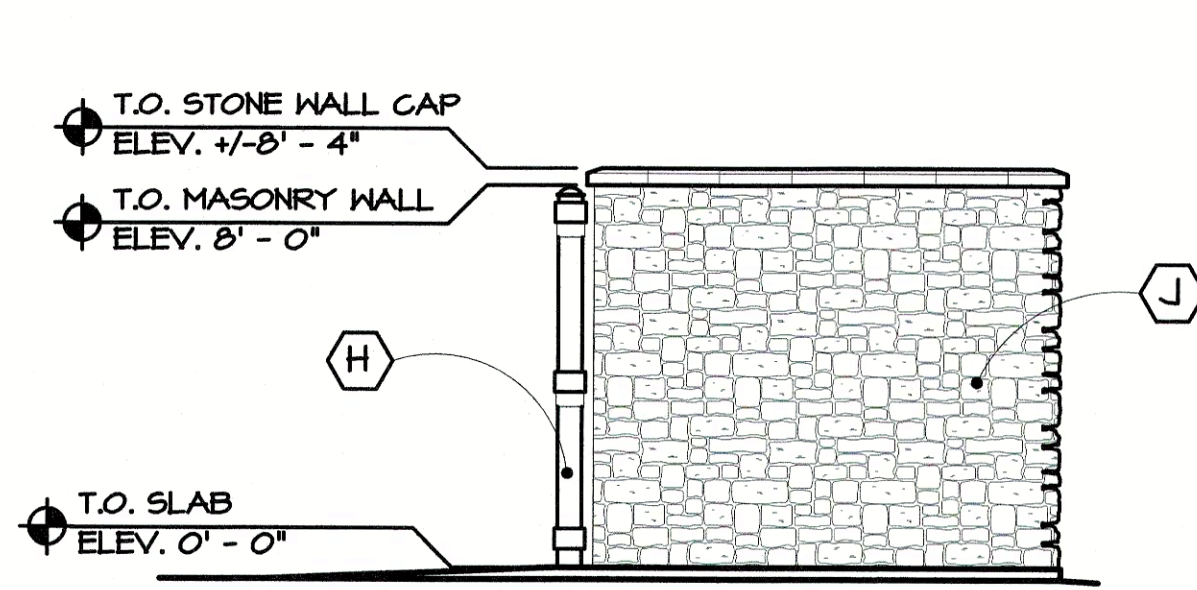
REVISIONS

11-1645

CRACKER BARREL
OLD COUNTRY STORE, INC.
 845 EAST INTERSTATE 30
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER: SP2018-028

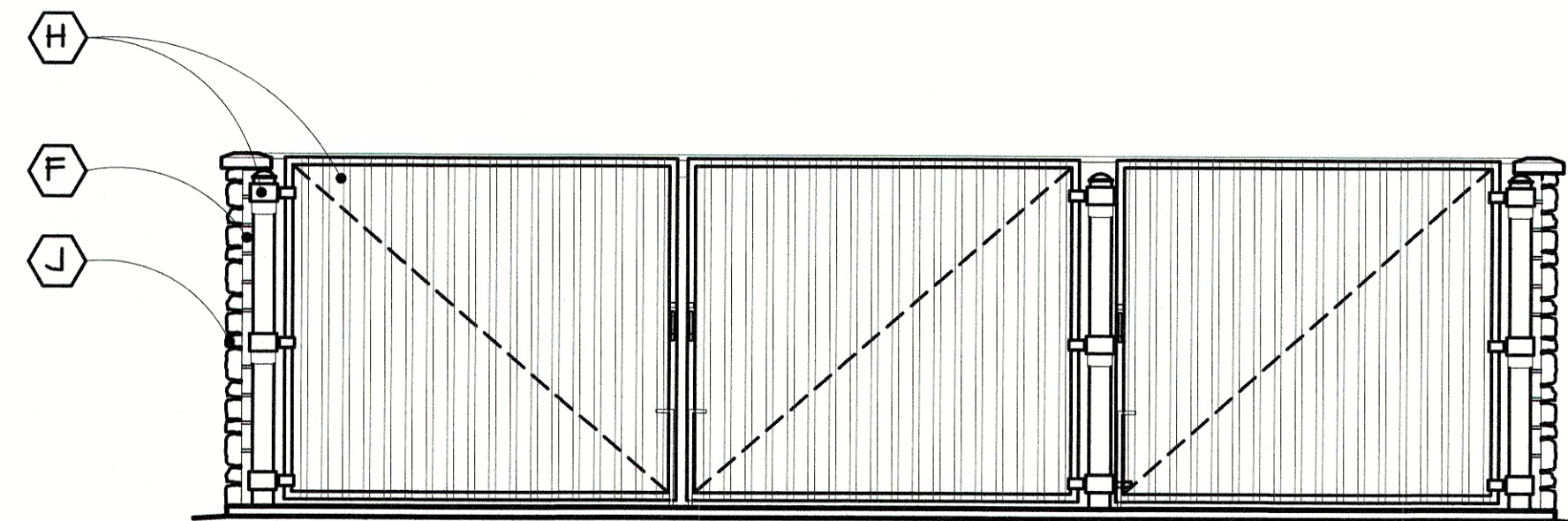
Cracker Barrel
 Old Country Store

A-4.1
 EXTERIOR ELEVATIONS
 CB 180 ITF-112



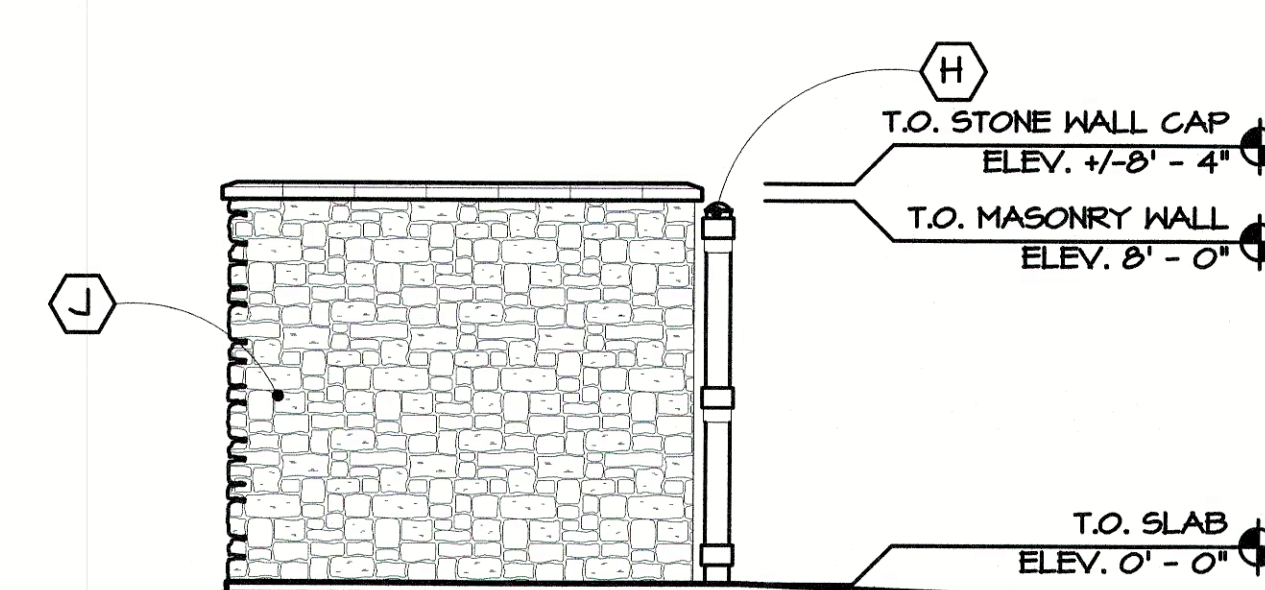
1 WEST ELEVATION

SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA: 80 sf
 J - NATURAL STONE VENEER: 80 sf (100%)



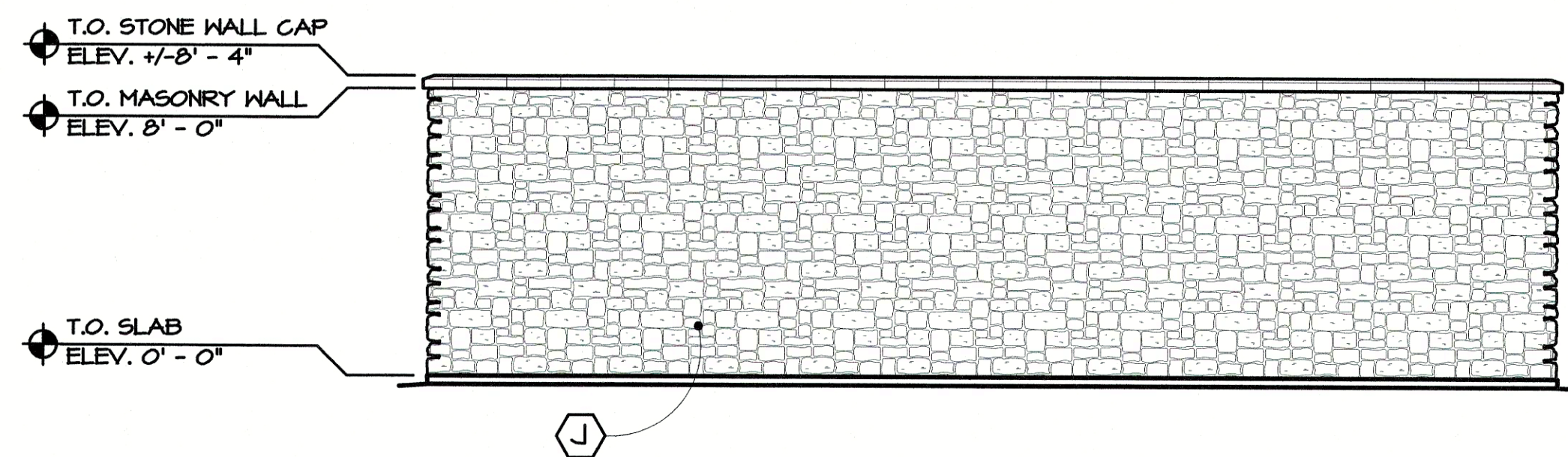
2 NORTH ELEVATION - FACES STREET

SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA LESS GATES: 16 sf
 H - METAL GATE AREA - 231 S.F.
 F - SMOOTH FACED CMU: 10.5 sf (65.4%)
 J - NATURAL STONE VENEER: 5.5 sf (31.6%)



3 EAST ELEVATION

SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA: 80 sf
 J - NATURAL STONE VENEER: 80 sf (100%)



4 SOUTH ELEVATION

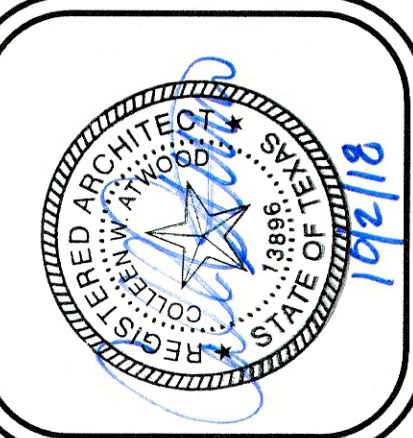
SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA: 257 sf
 J - NATURAL STONE VENEER - 257 sf (100%)

EXTERIOR MATERIALS LEGEND

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA SIDING & MIRATEC BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINWAX OIL STAIN 'GOLDEN OAK'
H	FLUTED METAL GATES / STEEL GATE POSTS	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	NATURAL STONE VENEER	'OKLAHOMA LEDGESTONE' - COBRA STONE

CRACKER BARREL STORE NUMBER: CB-1614 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 845 EAST INTERSTATE 30
 ROCKWALL, TX 75087
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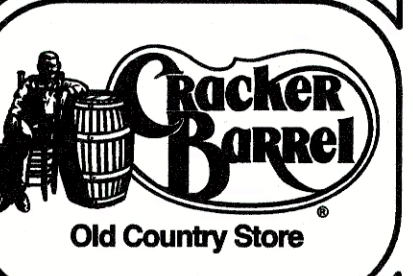


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 1645 Westgate Circle
 Brentwood, TN 37027
 615-370-1779
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 www.dandenginc.us

INITIAL DATE: OCT. 1, 2018
 RE-ISSUE DATE:

REVISIONS

11-16-15



CRACKER BARREL
OLD COUNTRY STORE, INC.
 845 EAST INTERSTATE 30
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER: SP2018-028

A-4.2
 DUMPSTER ENCLOSURE
 ELEVATIONS
 CB 180 17F-112



NORTHWEST ELEVATION
FACES STREET



NORTHEAST ELEVATION
FACES CHUCK-E-CHEESE

DIMENSIONAL INFORMATION

BUILDING SIZE:

-LENGTH/WIDTH OF BUILDING:
87'-4"L x 105'-0"W

-LENGTH/WIDTH OF PORCH:
12'-4"L x 105'-6"W

-SQUARE FOOTAGE OF BUILDING:
9,113 sf

-SQUARE FOOTAGE OF PORCH:
1,284 sf

-TOTAL FOOTPRINT:
10,397 sf

BUILDING HEIGHTS:

-HEIGHT OF FRONT WALL PARAPET:
20'-6" H

-HEIGHT OF SIDE & REAR PARAPETS:
17'-10 1/2" H

-TOP OF SIGN PARAPETS:
FRONT: 24'-0" H,
RIGHT: 21'-10 1/2" H,

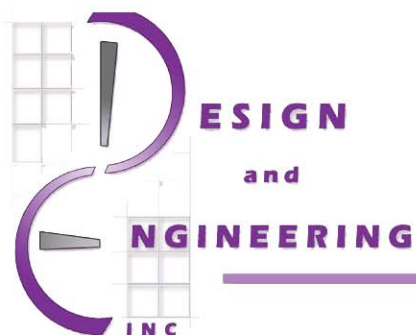
-HEIGHT OF CHIMNEY ABOVE FINISH FLOOR:
30'-0" +/-

-ROOF SLOPES FRONT TO REAR:
-MAX. HEIGHT ABOVE FINISH FLOOR INSIDE FRONT PARAPET WALL:
13'-0" H
-MIN. HEIGHT ABOVE FINISH FLOOR INSIDE REAR PARAPET WALL:
11'-0" H

WALL SIGNAGE:

-HEIGHT/WIDTH OF FRONT SIGN:
7'h x 13'w (91 sf)

-HEIGHT/WIDTH OF REAR AND RETAIL:
5'-11"h x 11'-0"w (64 sf)



ROCKWALL, TEXAS
CRACKER BARREL PROTOTYPE 180-17F

EXTERIOR MATERIALS LEGEND

- A ALLURA FIBER CEMENT SIDING & BATTENS, PAINTED "CRACKER BARREL BROWN"
- B BERRIDGE STANDING-SEAM METAL ROOF, GALVALUME FINISH
- C PAC-CLAD METAL COPING, DARK BRONZE FINISH
- D NATURAL STONE VENEER - COBRA STONE "OKLAHOMA LEDGESTONE"



THIS IS AN ARTISTIC RENDERING OF THE PROPOSED EXTERIOR ELEVATIONS AND THEREFORE SHOULD NOT BE RELIED UPON FOR ACCURATE COLOR RENDITION OF THE MATERIALS SHOWN. PLEASE REFER TO MATERIAL BOARDS FOR ACTUAL COLOR AND TEXTURE SAMPLES. THIS DRAWING IS NOT TO SCALE. PLEASE REFER TO "DIMENSIONAL INFORMATION" FOR ACTUAL DIMENSIONS.

10/2/2018

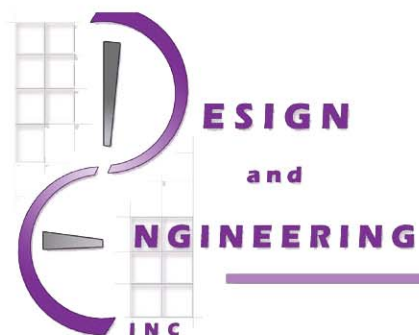


SOUTHWEST ELEVATION
FACES KOHL'S



SOUTHEAST ELEVATION
FACES PARKING AREA

DIMENSIONAL INFORMATION	
BUILDING SIZE:	
-LENGTH/WIDTH OF BUILDING:	87'-4"L x 105'-0"W
-LENGTH/WIDTH OF PORCH:	12'-4"L x 105'-6"W
-SQUARE FOOTAGE OF BUILDING:	9,113 sf
-SQUARE FOOTAGE OF PORCH:	1,284 sf
-TOTAL FOOTPRINT:	10,397 sf
BUILDING HEIGHTS:	
-HEIGHT OF FRONT WALL PARAPET:	20'-6" H
-HEIGHT OF SIDE & REAR PARAPETS:	18'-10 1/2" H
-TOP OF SIGN PARAPETS:	FRONT: 24'-0" H, RIGHT: 21'-10 1/2" H,
-HEIGHT OF CHIMNEY ABOVE FINISH FLOOR:	30'-0" +/-
-ROOF SLOPES FRONT TO REAR:	
-MAX. HEIGHT ABOVE FINISH FLOOR INSIDE FRONT PARAPET WALL:	13'-0" H
-MIN. HEIGHT ABOVE FINISH FLOOR INSIDE REAR PARAPET WALL:	11'-0" H
WALL SIGNAGE:	
-HEIGHT/WIDTH OF FRONT SIGN:	7'h x 13'w (91 sf)
-HEIGHT/WIDTH OF DINING AND RETAIL SIGNAGE:	5'-11"h x 11'-0"w (64 sf)



ROCKWALL, TEXAS
CRACKER BARREL PROTOTYPE 180-17F

EXTERIOR MATERIALS LEGEND

- A ALLURA FIBER CEMENT SIDING & BATTENS, PAINTED "CRACKER BARREL BROWN"
- B BERRIDGE STANDING-SEAM METAL ROOF, GALVALUME FINISH
- C PAC-CLAD METAL COPING, DARK BRONZE FINISH
- D NATURAL STONE VENEER - COBRA STONE "OKLAHOMA LEDGESTONE"



10/2/2018

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CITY OF ROCKWALL CITY COUNCIL MEMO

AGENDA DATE: 10/15/2018

APPLICANT: Debora Allegranti; CBOCS Texas, LLC

AGENDA ITEM: SP2018-028; Cracker Barrel

SUMMARY:

Discuss and consider a request by Debora Allegranti of CBOCS Texas, LLC on behalf of Eric Borkenhagen of Kohls Illinois, Inc. for the approval of variances to the articulation and materials requirements in conjunction with an approved site plan for a restaurant on a 1.61-acre portion of a larger 9.0142-acre parcel of land identified as Lot 1, Block A, Rockwall Market Center East Addition, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, situated within the IH-30 Overlay (IH-30 OV) District, situated west of the intersection of Mims Road and the frontage road for E. IH-30, and take any action necessary.

PURPOSE:

The applicant is requesting approval of variances in conjunction with an approved site plan for a restaurant (*i.e. Cracker Barrel*) on the subject property. The proposed restaurant will be situated on a 1.62-acre portion of a larger 9.0142-acre parcel of land (*i.e. a portion of Lot 1, Block A, Rockwall Market Center East Addition*) that is currently occupied by an existing department store (*i.e. Kohls*). The subject property is zoned Commercial (C) District and situated within the IH-30 Overlay (IH-30 OV) District.

The subject property is an existing parking lot that will be demolished in order to construct the proposed restaurant. Additionally, there is off-site signage that will need to be demolished in order to develop the property. By developing this portion of the subject property as shown in the site plan, the parking lot for the existing department store will be reduced; however, both the department store and the restaurant will meet the parking requirements stipulated by the Unified Development Code.

VARIANCES:

The applicant is requesting the following variances to the IH-30 Overlay (IH-30 OV) District standards. Staff should note, the IH-30 Overlay (IH-30 OV) District standards allows variances to be granted on a case-by-case basis to allow for corporate identity conflicts with the building design. These variances require a $\frac{3}{4}$ majority vote of the City Council members present to be passed.

A) *Four (4)-Sided Architecture*

- a. *Horizontal Articulation.* Subsection 4.1.C, *Building Articulation*, of Section 4, *Commercial District Standards*, of Article V, *District Development Standards*, of the Unified Development Code (UDC) states that no building wall shall extend for a distance equal to three (3) times the wall's height without having an offset of 25% of the wall's height, and that new plane shall extend for a distance equal to at least 25% of the maximum length of the first plane. In this case, the offsets should be five (5)-feet, however, the applicant is providing two (2)-foot offsets on the northeast, southwest, and southeast elevations.

Additionally, the applicant is not providing any horizontal articulation on the northwest elevation (*i.e. front elevation*). The proposed restaurant does have a front porch that extends the length of the building that provides some relief in the wall plane.

- b. *Vertical Articulation.* Subsection 4.1.C, *Building Articulation*, of Section 4, *Commercial District Standards*, of Article V, *District Development Standards*, of the Unified Development Code (UDC) states that no horizontal wall shall extend for a distance greater than three (3) times the height of the wall without a change in height by a minimum of 25% (*i.e. five (5) feet*) of the wall's height. In this case, the change in height for the front façade is 3 ½-feet (*i.e. 1 ½-feet shorter than the requirement*).

- B) *Masonry Requirements.* Subsection C.1, *Architectural Standards*, of Section 6.6, *IH-30 Overlay (IH-30 OV) District Development* of Article V, *District Development Standards*, of the Unified Development Code (UDC) states that each façade shall be limited to 50% cementitious materials. In this case, the applicant is proposing to utilize between 63% to 80% cementitious material (*i.e. hardie board*) on the building façades.

ARCHITECTURAL REVIEW BOARD

On September 25, 2018 the Architectural Review Board (ARB) reviewed the proposed building elevations and requested more vertical and horizontal articulation, to utilize natural stone in-lieu of cultured stone, and to increase the amount of stone on each façade. The applicant has submitted revised building elevations and the Architectural Review Board (ARB) will review the revised building elevations and forward a recommendation to the Planning and Zoning Commission at the October 9, 2018 meeting.

On October 9, 2018, the Architectural Review Board (ARB) reviewed the revised elevations and approved a motion to recommend approval of the revised building elevations by a vote of 6-0, with Board Member Meyrat absent.

RECOMMENDATIONS:

If the City Council chooses to approve the applicant's request then staff would recommend the following conditions of approval:

- 1) All comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of a building permit;
- 2) All offsite signage must be removed prior to issuance of Certificate of Occupancy.
- 3) Any construction or building necessary to complete this *Site Plan* request must conform to the requirements set forth by the UDC, International Building Code, the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

PLANNING AND ZONING COMMISSION:

On October 9, 2018, the Planning and Zoning Commission's motion to approve the applicant's request passed by a vote of 6-0, with Commissioner Fishman absent.

0 25 50 100 150 200 Feet

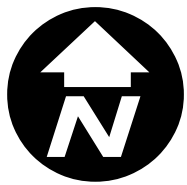
SP2018-028 - CRACKER BARREL
SITE PLAN - LOCATION MAP = 



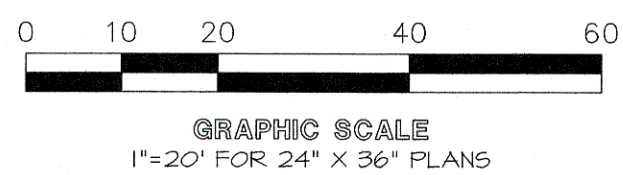
City of Rockwall

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

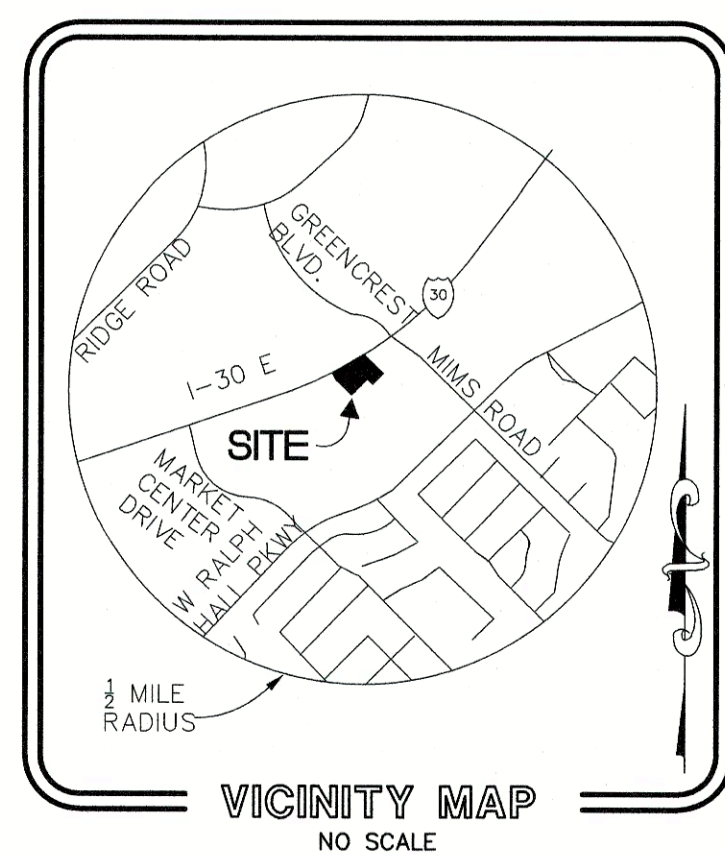
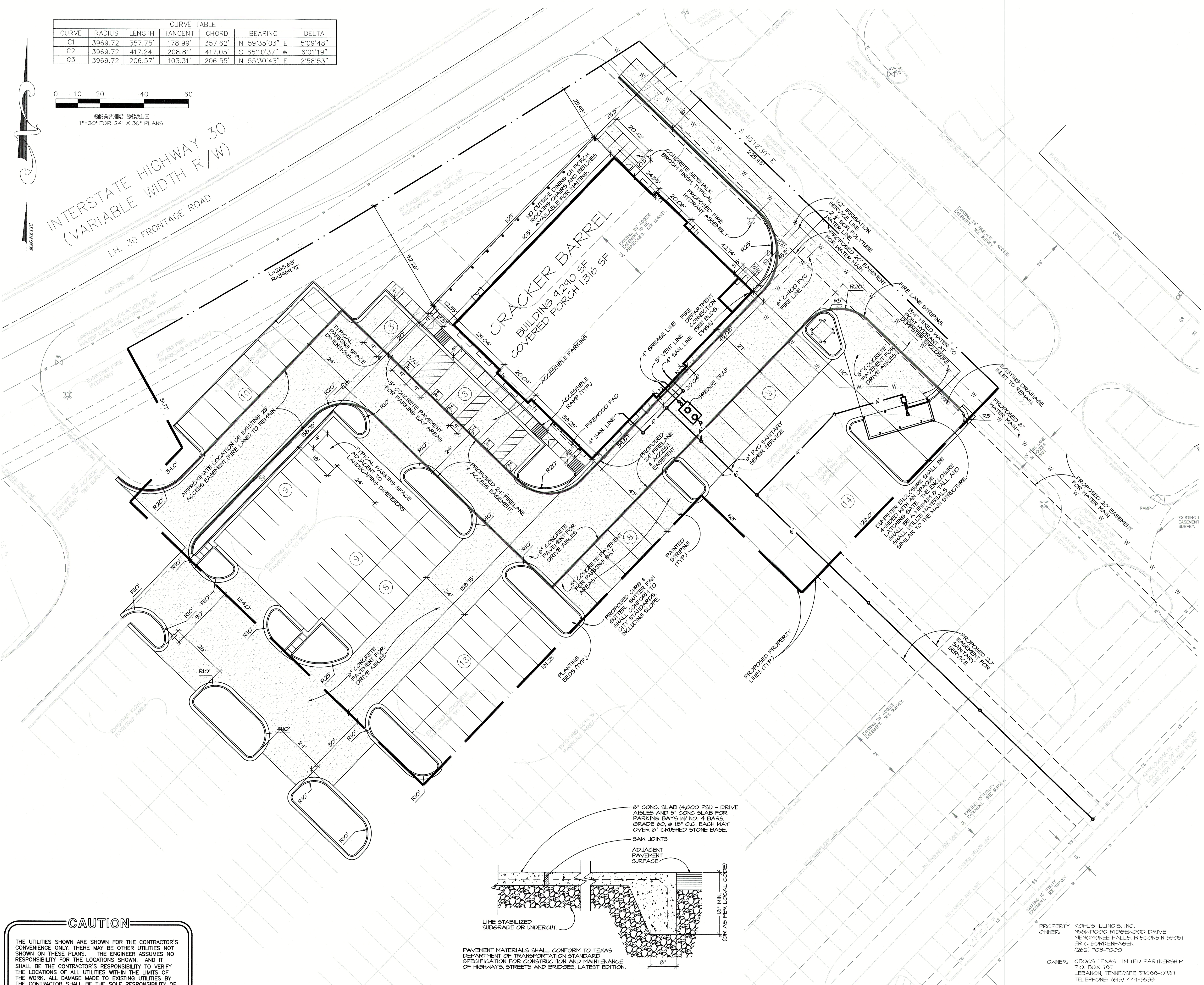
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CURVE TABLE					
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	3969.72'	357.75'	178.99'	357.62'	N 59°35'03" E 5'09'48"
C2	3969.72'	417.24'	208.81'	417.05'	S 65°10'37" W 6'01'19"
C3	3969.72'	206.57'	103.31'	206.55'	N 55°30'43" E 2'58'53"



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD



LEGEND	
EXISTING	PROPOSED
CONTOUR	CONTOUR
SPOT EL.	SPOT EL.
STORM SEWER	STORM SEWER
SANITARY SEWER	SANITARY SEWER
MANHOLE	MANHOLE
N/A	CLEAN OUT
N/A	WATER LINE
N/A	OVERHEAD ELEC.
N/A	UNDERGROUND ELEC.
N/A	UNDERGROUND GAS
CATCH BASIN	CATCH BASIN
GATE VALVE	GATE VALVE
FIRE HYDRANT	FIRE HYDRANT
UTILITY POLE	UTILITY POLE
LIGHT POLE	LIGHT POLE
N/A	PARKING COUNT
N/A	TRANSFER PAD
CONCRETE SURFACE (PAVEMENT OR SIDEWALK)	CONCRETE SURFACE (PAVEMENT OR SIDEWALK)
PAVEMENT STRIPING	PAVEMENT STRIPING

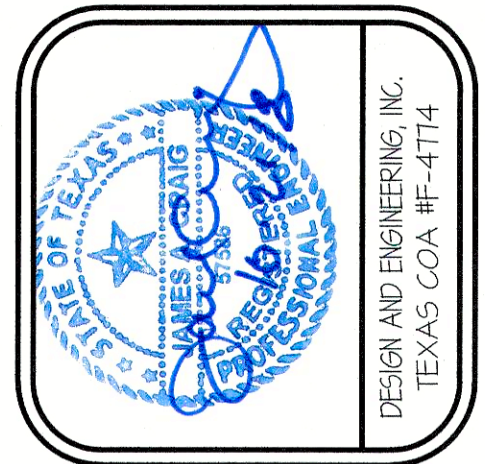
SITE DATA TABLE		
PROPOSED LAND USE:	COMMERCIAL	
ZONING DISTRICT:	C, COMMERCIAL	
MAXIMUM PERCENT IMPERVIOUS REQUIRED:	85%	
PERCENT IMPERVIOUS PROVIDED:	74%	
PARKING LOT LANDSCAPE AREA	3,461 SF / 45,624 SF = 7.6%	
PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.57	100.0
BUILDING AREA	0.24	15.3
IMPERVIOUS AREA	1.00	63.7
LANDSCAPE AREA	0.33	21.0
PARKING SUMMARY		
USE	REQUIRED	PROVIDED
RESTAURANT (TOTAL)	43	44
ACCESSIBLE	5	6
PARKING REQUIREMENTS		
USE	PARKING REQUIREMENT	
RESTAURANT	1 SPACE/100 SF = 9,240 = 43 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 43 SPACES	

- NOTES**
- BOUNDARY INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY BY: FREELAND AND ASSOCIATES, INC. 323 WEST STONE AVENUE, GREENVILLE, SOUTH CAROLINA 29609 DATED: 3-30-18
 - TOTAL AREA OF SITE:
 - BUILDING: 9,240 SQ. FT. PORCH: 1,316 SQ. FT. SEATING CAPACITY = 180 157 ACRES (68,474 SF)
 - ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD, UNLESS OTHERWISE NOTED.
 - UNLESS NOTED OTHERWISE, CURB RADII 3.0' AND ANGLES ARE 90°.
 - DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
 - ALL WORK SHALL MEET CITY OF ROCKWALL ENGINEERING STANDARDS.

Cracker Barrel

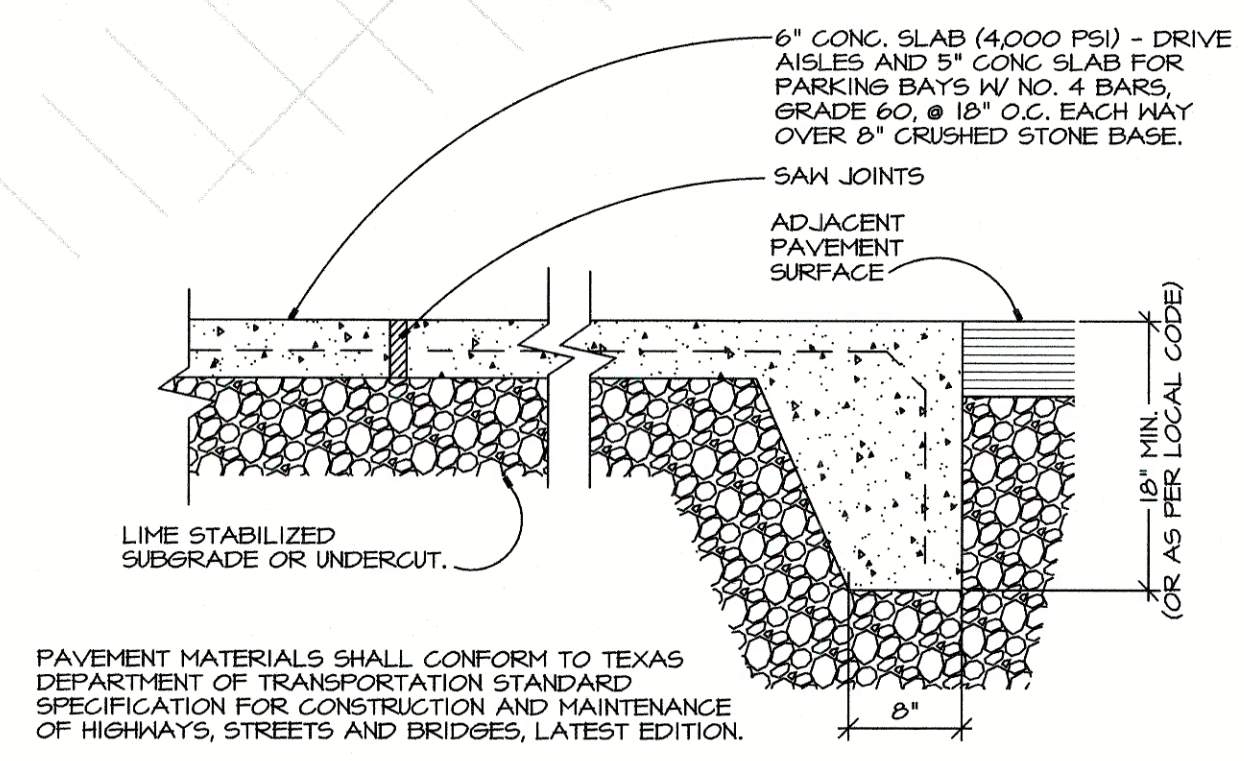
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fax: 370-9108
www.dandeinc.us
STRUCTURAL AND CIVIL ENGINEERS



CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



CONCRETE PAVEMENT DETAIL

PROPERTY OWNER: KOHL'S ILLINOIS, INC. 15414 TODD RIDGEWOOD DRIVE MENOMONEE FALLS, WISCONSIN 53051 ERIC BORKENHAGEN (262) 703-1000

OWNER: CBOCS TEXAS LIMITED PARTNERSHIP P.O. BOX 787 LEBANON, TENNESSEE 37088-0787 TELEPHONE: (615) 444-5533

PLANS PREPARED BY: JAMES A. CRAIG, P.E. DESIGN AND ENGINEERING, INC. 1645 WESTGATE CIRCLE BRENTWOOD, TENNESSEE 37027 (615) 370-1774

DATE: 10-01-18
PROJECT NO: 11-1645
REVISIONS:

CRACKER BARREL PROJECT NUMBER: CB 164 ROCKWALL, TX -03
CRACKER BARREL
OLD COUNTRY STORE, INC.
845 EAST INTERSTATE 30
ROCKWALL, TEXAS 75087

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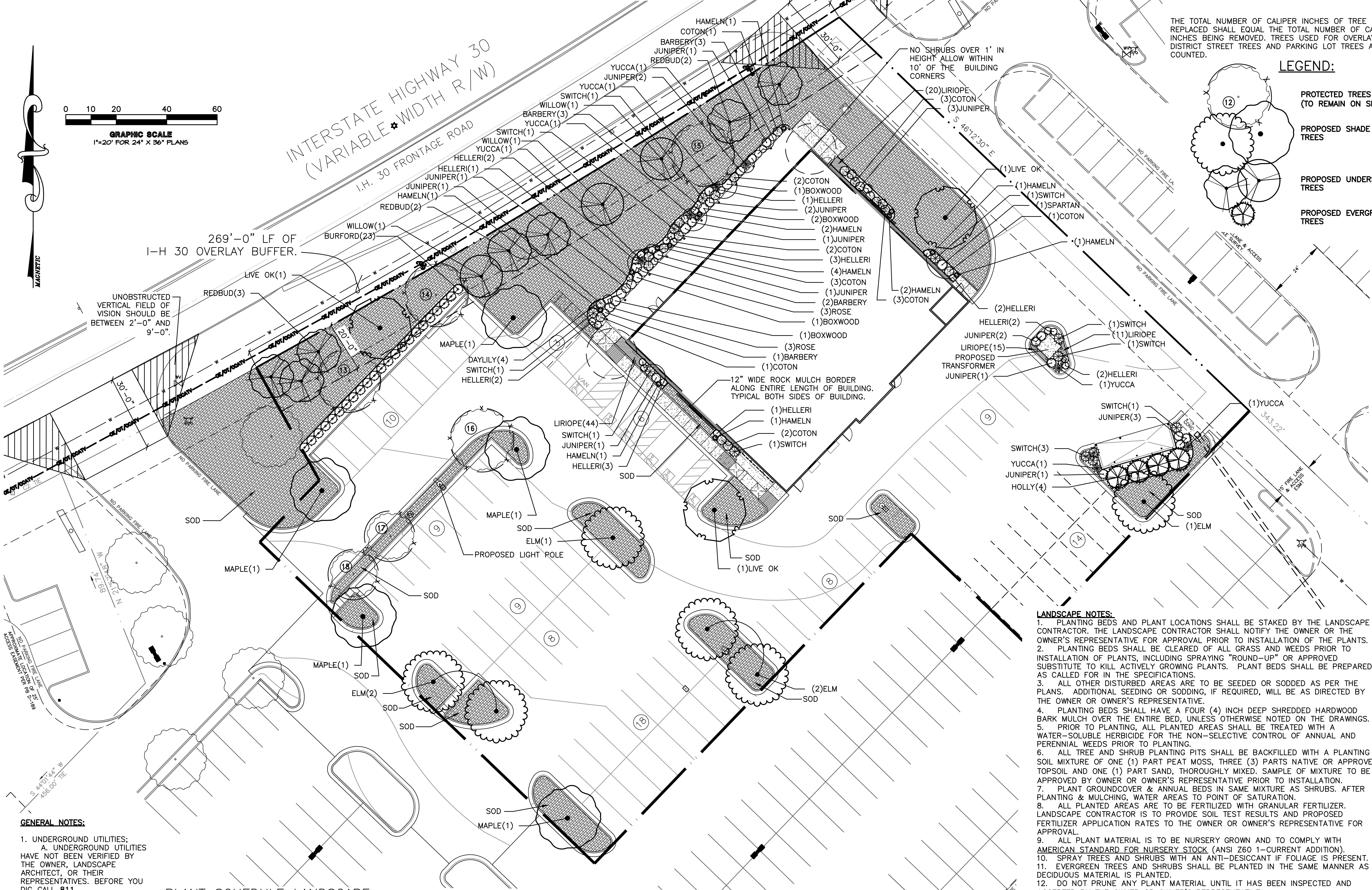
BLOCK A, LOT 1

CASE NUMBER: SP2018-028

Cracker Barrel Old Country Store logo

PLANNING SITE PLAN

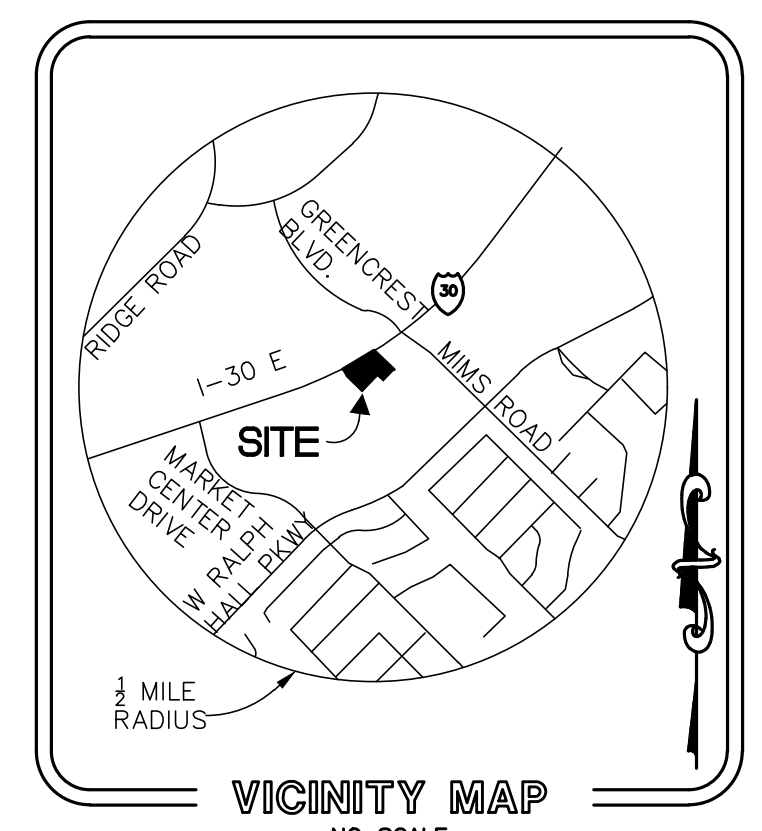
PSP
PROTO 180-11F



THE TOTAL NUMBER OF CALIPER INCHES OF TREE BEING REPLACED SHALL EQUAL THE TOTAL NUMBER OF CALIPER INCHES BEING REMOVED. TREES USED FOR OVERLAY DISTRICT STREET TREES AND PARKING LOT TREES ARE COUNTED.

LEGEND:

- PROTECTED TREES (TO REMAIN ON SITE)
- PROPOSED SHADE TREES
- PROPOSED UNDERSTORY TREES
- PROPOSED EVERGREEN TREES



LEGEND

EXISTING	PROPOSED
CONTOUR	CONTOUR
SPOT EL.*	SPOT EL.*
SS - SANITARY SEWER	SS - SANITARY SEWER
MANHOLE	MANHOLE
CLEAN OUT	CLEAN OUT
W - WATER LINE	W - WATER LINE
OE - OVERHEAD ELEC.	N/A
UG - UNDERGROUND ELEC.	N/A
UG - UNDERGROUND GAS	UG - UNDERGROUND GAS
CATCH BASIN	CATCH BASIN
GATE VALVE	GATE VALVE
FIRE HYDRANT	FIRE HYDRANT
UTILITY POLE	UTILITY POLE
LIGHT POLE	LIGHT POLE
N/A - PARKING COUNT	N/A - PARKING COUNT
N/A - TRANSFORMER PAD	N/A - TRANSFORMER PAD
CONCRETE SURFACE (PAVEMENT OR SIDEWALK)	CONCRETE SURFACE (PAVEMENT OR SIDEWALK)
PAVEMENT STRIPING	PAVEMENT STRIPING

* SPOT ELEVATION ABBREVIATIONS:
 TG - TOP OF CURB
 FL - FLOW LINE
 TR - TOP OF RAMP
 BR - BOTTOM OF RAMP
 TLIP - TOP OF CONCRETE LIP
 BLIP - BOTTOM OF CONCRETE LIP

SITE DATA TABLE

PROPOSED LAND USE:	COMMERCIAL
ZONING DISTRICT:	C, COMMERCIAL
MAXIMUM PERCENT IMPERVIOUS REQUIRED:	85%
PERCENT IMPERVIOUS PROVIDED:	74%
PARKING LOT LANDSCAPE AREA	3,461 SF / 45,624 SF = 7.6%

PROPOSED SITE SUMMARY

USE	ACRES	% SITE
SITE AREA	1.57	100.0
BUILDING AREA	0.24	15.3
IMPERVIOUS AREA	1.00	63.7
LANDSCAPE AREA	0.33	21.0

PARKING SUMMARY

USE	REQUIRED	PROVIDED
RESTAURANT (TOTAL)	43	94
ACCESSIBLE	5	6

PARKING REQUIREMENTS

USE	PARKING REQUIREMENT
RESTAURANT	1 SPACE/100 SF = 4,240 = 43 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 43 SPACES

PROTECTED TREES
 TREES SHALL BE MARKED AND A DRIP LINE OF SAID TREES SHALL BE PROTECTED PRIOR TO AND DURING ALL CONSTRUCTION. SEE TREE PROTECTION DETAIL ON SHEET LP3

NOTE:
 UNDERGROUND IRRIGATION SPRINKLER SYSTEM WILL BE PROVIDED FOR THIS SITE AND SHALL MEET ALL UDC REQUIREMENTS.

PARKING LOT REQUIREMENT
 PARKING SPACES SHALL NOT EXCEED TEN SPACES IN A ROW WITHOUT BEING INTERRUPTED BY A LANDSCAPED ISLAND (NINE-FOOT MINIMUM). ISLANDS SHALL BE PLANTED WITH A MINIMUM OF ONE SHADE TREE FOR EVERY TEN CARS.
 94 PARKING SPACES PROPOSED /10 = (9.4) TREES REQUIRED
 (11) TREES PROPOSED

NO REQUIRED PARKING SPACE MAY BE LOCATED MORE THAN 80 FEET FROM THE TRUNK OF A LARGE CANOPY TREE.

TREES MUST BE PLANTED AT LEAST FIVE FEET FROM WATER, SEWER AND STORM SEWER LINES.

LANDSCAPE NOTES:

- PLANTING BEDS AND PLANT LOCATIONS SHALL BE STAKED BY THE LANDSCAPE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF THE PLANTS.
- PLANTING BEDS SHALL BE CLEARED OF ALL GRASS AND WEEDS PRIOR TO INSTALLATION OF PLANTS, INCLUDING SPRAYING "ROUND-UP" OR APPROVED SUBSTITUTE TO KILL ACTIVELY GROWING PLANTS. PLANT BEDS SHALL BE PREPARED AS CALLED FOR IN THE SPECIFICATIONS.
- ALL OTHER DISTURBED AREAS ARE TO BE SEEDED OR SODDED AS PER THE PLANS. ADDITIONAL SEEDING OR SODDING, IF REQUIRED, WILL BE AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- PLANTING BEDS SHALL HAVE A FOUR (4) INCH DEEP SHREDDED HARDWOOD BARK MULCH OVER THE ENTIRE BED, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- PRIOR TO PLANTING, ALL PLANTED AREAS SHALL BE TREATED WITH A WATER-SOLUBLE HERBICIDE FOR THE NON-SELECTIVE CONTROL OF ANNUAL AND PERENNIAL WEEDS PRIOR TO PLANTING.
- ALL TREE AND SHRUB PLANTING PITS SHALL BE BACKFILLED WITH A PLANTING SOIL MIXTURE OF ONE (1) PART PEAT MOSS, THREE (3) PARTS NATIVE OR APPROVED TOPSOIL AND ONE (1) PART SAND, THOROUGHLY MIXED. SAMPLE OF MIXTURE TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- PLANT GROUNDCOVER & ANNUAL BEDS IN SAME MIXTURE AS SHRUBS. AFTER PLANTING & MULCHING, WATER AREAS TO POINT OF SATURATION.
- ALL PLANTED AREAS ARE TO BE FERTILIZED WITH GRANULAR FERTILIZER. LANDSCAPE CONTRACTOR IS TO PROVIDE SOIL TEST RESULTS AND PROPOSED FERTILIZER APPLICATION RATES TO THE OWNER OR OWNER'S REPRESENTATIVE FOR APPROVAL.
- ALL PLANT MATERIAL IS TO BE NURSERY GROWN AND TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60 1-CURRENT ADDITION).
- SPRAY TREES AND SHRUBS WITH AN ANTI-DESICCANT IF FOLIAGE IS PRESENT.
- EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN THE SAME MANNER AS DECIDUOUS MATERIAL IS PLANTED.
- DO NOT PRUNE ANY PLANT MATERIAL UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- ALL LANDSCAPE MATERIAL SHALL BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION. MATERIALS MAY BE VIEWED AT LANDSCAPE CONTRACTOR'S HOLDING SITE OR AT THIS SITE. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF THE AVAILABILITY OF THE MATERIALS TO BE INSPECTED.
- ALL MATERIALS INSPECTED ON THE SITE AND FOUND TO BE UNACCEPTABLE SHALL BE REMOVED FROM THE SITE ON THE DAY OF INSPECTION.
- FIELD CHANGES AND SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE.
- EXISTING PLANT MATERIAL IS TO BE EVALUATED BY THE LANDSCAPE ARCHITECT FOR POSSIBLE RELOCATION ON SITE. THE LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT FORTY-EIGHT (48) HOURS BEFORE BEGINNING WORK.
- ALL PLANT MATERIAL SHALL BE SUPPLIED BY APPROPRIATE SOURCES TO PREVENT UNDUE STRESS OR PROLONGED ACCLIMATIZATION WHICH WOULD INHIBIT PLANT GROWTH.
- LANDSCAPE CONTRACTOR IS TO VERIFY PLANT QUANTITIES SHOWN ON PLAN AND IN PLANT LIST. IF DISCREPANCIES OCCUR, LANDSCAPE CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
- ALL METAL EDGING IS TO BE USED (SEE PLANS). PROVIDE 4" DEEP CONTINUOUS MULCHED TRENCH AT EDGE BETWEEN BED & TURF. LOCATE 6" FROM DRIPLINE OF OUTER ROW OF SHRUBS, OR AT EDGE OF GROUNDCOVER.
- NO METAL EDGING SHOULD BE INSTALLED BETWEEN CONCRETE (CURB OR SIDEWALK) AND ADJACENT MATERIAL (SOD OR MULCH).
- LANDSCAPE CONTRACTOR IS RESPONSIBLE TO WASH DOWN THE PARKING LOT AFTER PLANTING INSTALLATION IS COMPLETE.
- CONTRACTOR SHALL REMOVE ALL TREE STAKING MATERIAL AT THE END OF THE ONE YEAR WARRANTY.
- ALL SHRUBS AND EVERGREEN TREES, EXCEPT AS NOTED**, SHALL BE PLANTED AND MAINTAINED IN THEIR NATURAL FORM TO CREATE A PLANT MASSING EFFECT. NO "GUMDROP" PRUNING IS ALLOWED.

I-H 30 OVERLAY DISTRICT
 269' LF OF PROPERTY LINE - 18' FOR ACCESS = 251 LF
 251' / 100 = 2.51 MULTILIER

	ORDINANCE	MULTIPLIER	REQUIRED	EXISTING	PROPOSED
* 4" CANOPY	2	2.51	5.02	4	1
4' UNDERSTORY	4	2.51	10.04	-	10
** SHRUBS	CONTINUOUS	NA	-	-	YES

BUFFER-STRIP PLANTINGS TO INCLUDE TWO CANOPY TREES, ALONG WITH FOUR ACCENT TREES PER 100 FEET OF THE I-H-30 RIGHT-OF-WAY.

THE BUFFER-STRIP SHALL BE A MINIMUM OF 20 FEET WIDE AND INCLUDE A "BUILT-UP" BERM AND/OR SHRUBBERY OR A COMBINATION OF BOTH ALONG THE ENTIRE LENGTH OF THE SUBJECT PROPERTY'S FRONTAGE ALONG THE I-H-30 RIGHT-OF-WAY. THE MINIMUM REQUIRED HEIGHT OF THE AFOREMENTIONED BERM AND/OR SHRUBBERY OR A COMBINATION THEREOF IS 30 INCHES AND SHALL NOT EXCEED A MAXIMUM HEIGHT OF 48 INCHES.

* EACH STREET SHALL BE PLANTED WITH A FOCUS ON ONE SPECIES TO REINFORCE STREET CHARACTER.

** SURFACE PARKING LOTS SHALL BE SCREENED FROM ALL ADJACENT PUBLIC STREETS AND NEIGHBORING SITES. THE SCREEN MUST EXTEND ALONG ALL EDGES OF THE PARKING LOT AND MUST BE THREE FEET IN HEIGHT, 80 PERCENT OPAQUE, AND MAY BE ACCOMPLISHED THROUGH THE USE OF MASONRY WALLS, ORNAMENTAL METAL, EVERGREEN PLANT MATERIALS, OR A COMBINATION THEREOF. PLANTING BEDS FOR SCREEN PLANTING SHALL BE A MINIMUM OF THREE FEET IN WIDTH.

GENERAL NOTES:

- UNDERGROUND UTILITIES;
 A. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811.
 B. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE MADE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.

PLANT SCHEDULE LANDSCAPE

TREES	QTY	COMMON NAME	CONT	CAL	SIZE
MAPLE	5	'OCTOBER GLORY' MAPLE	B&B	4" CAL	12"-14" HT
REDBUD	7	EASTERN REDBUD	B&B	2" CAL	6"-8" HT
WILLOW	3	DESERT WILLOW	B&B	2" CAL	6"-8" HT
HOLLY	4	NELLIE STEVENS HOLLY	B&B	4" CAL	6"-8" HT
LIVE OK	3	SOUTHERN LIVE OAK	B&B	4" CAL	10"-12" HT
ELM	6	CHINESE ELM TREE	B&B	4" CAL	12"-14" HT

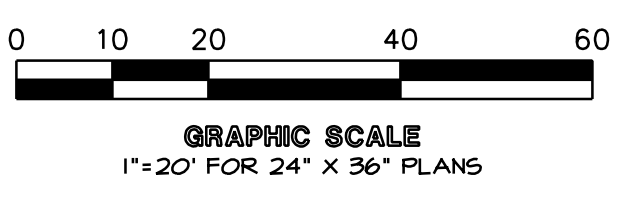
SHRUBS	QTY	COMMON NAME	CONT	HEIGHT	SPREAD	SPACING
BARBERY	9	CRIMSON PYGMY BARBERY	T.B.D.	18"-21"	18"-21"	30" O.C.
BOXWOOD	5	GREEN BEAUTY BOXWOOD	T.B.D.	24"-30"	30"-36"	48" O.C.
COTON	18	CRANBERRY COTONEASTER	T.B.D.	18"-24"	24"-30"	48" O.C.
BURFORD	23	DWARF BURFORD HOLLY	CONT	30"-36"	30"-36"	48" O.C.
HELLERI	19	HELLER JAPANESE HOLLY	T.B.D.	12"-15"	15"-18"	30" O.C.
JUNIPER	20	SEA GREEN JUNIPER	T.B.D.	15"-18"	24"-30"	48" O.C.
SPARTAN	1	SPARTAN JUNIPER	T.B.D.	6' MIN. HT	30"-36"	SPACE AS SHOWN
SWITCH	12	SWITCH GRASS	CONT	30"-36"	24"-36"	AS SHOWN
HAMELN	14	HAMELN DWARF FOUNTAIN GRASS	CONT	10"-12"	SPACE AS SHOWN	SPACE AS SHOWN
ROSE	6	ROSE	T.B.D.	18"-24"	18"-24"	48" O.C.
YUCCA	7	ADAM'S NEEDLE	T.B.D.	18"-24"	18"-24"	36" O.C.

GROUND COVERS	QTY	COMMON NAME	CONT	SPACING
DAYLILY	4	STELLA DE ORO DAYLILY	1 GAL	15" o.c.
LIRIOPE	90	MAJESTIC LIRIOPE	4" POT	12" o.c.

SOD/SEED	QTY	COMMON NAME	CONT	SPACING
SOD	14,835 SF	BERMUDA GRASS	SOD	SPACING

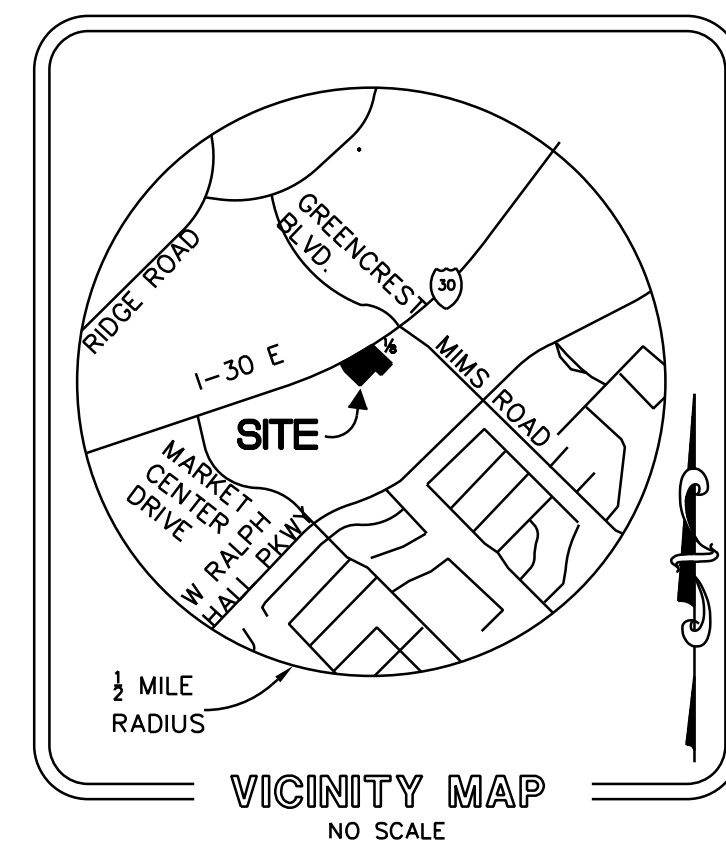
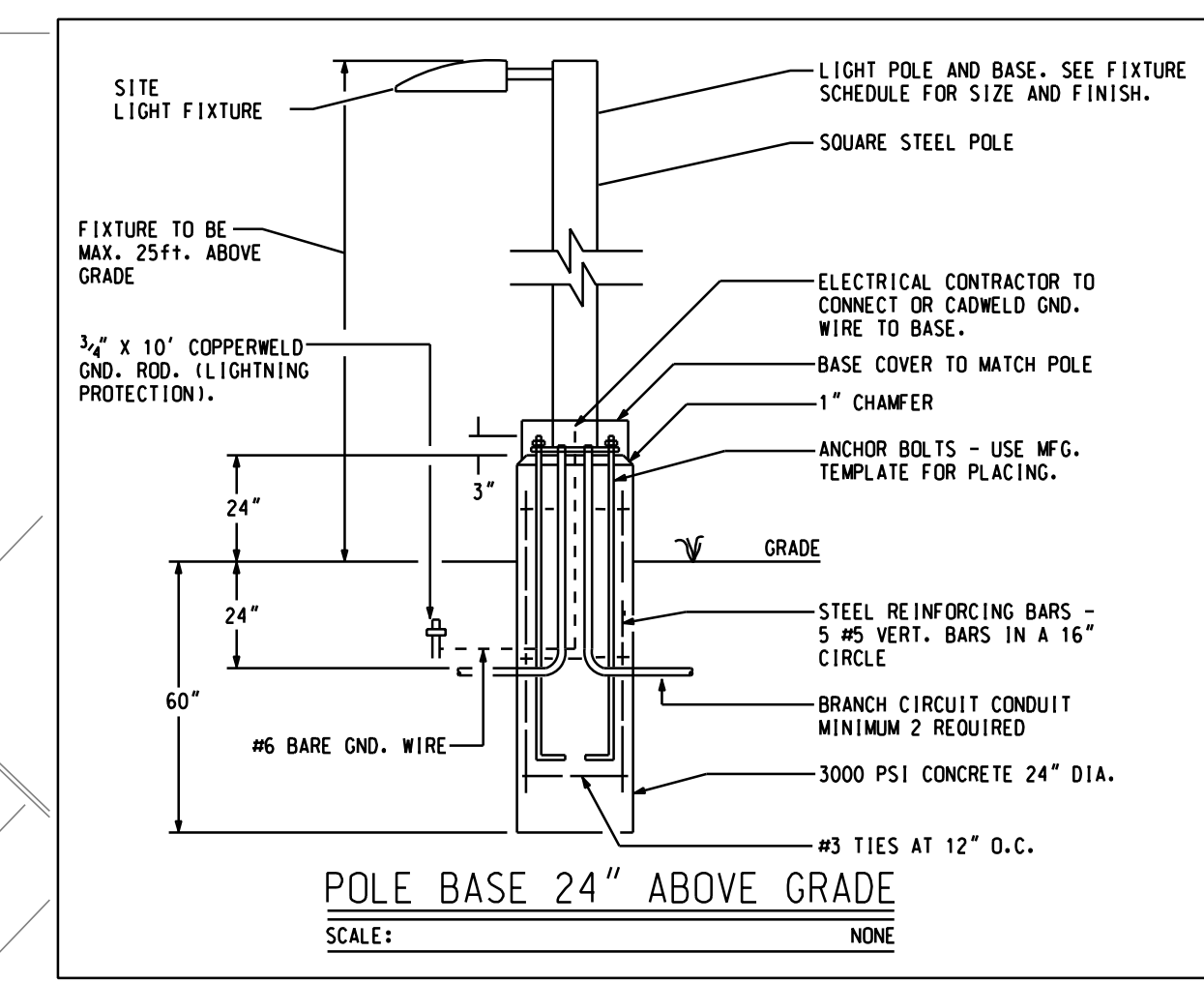
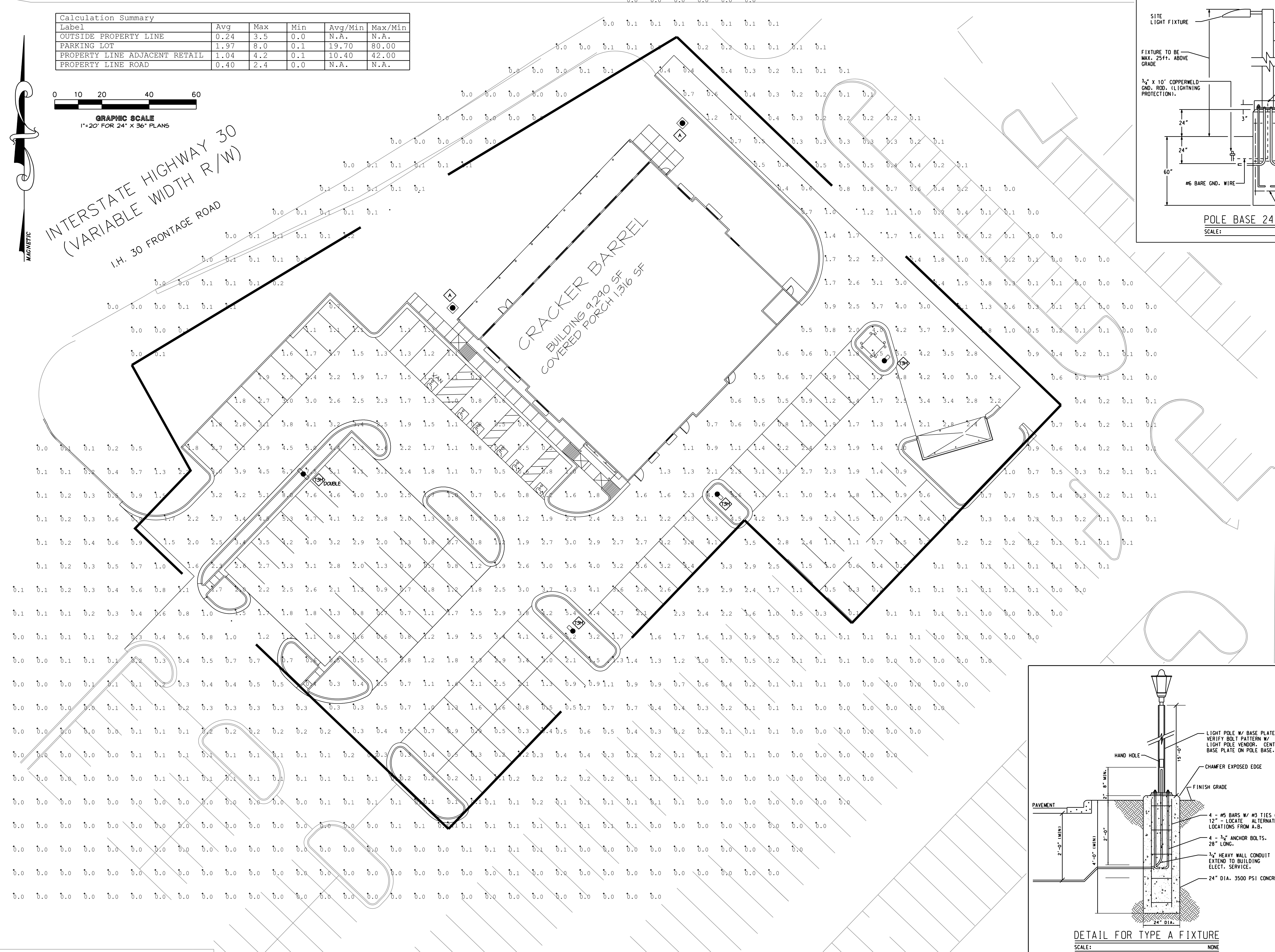
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Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
OUTSIDE PROPERTY LINE	0.24	3.5	0.0	N.A.	N.A.
PARKING LOT	1.97	8.0	0.1	19.70	80.00
PROPERTY LINE ADJACENT RETAIL	1.04	4.2	0.1	10.40	42.00
PROPERTY LINE ROAD	0.40	2.4	0.0	N.A.	N.A.



INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD

CRACKER BARREL
BUILDING 9,290 SF
COVERED PORCH 1,316 SF



SITE DATA TABLE		
PROPOSED LAND USE:	COMMERCIAL	
ZONING DISTRICT:	C, COMMERCIAL	
MAXIMUM PERCENT IMPERVIOUS REQUIRED:	85%	
PERCENT IMPERVIOUS PROVIDED:	74%	
PARKING LOT LANDSCAPE AREA:	3,461 SF / 45,624 SF = 7.6%	
PROPOSED SITE SUMMARY		
USE	ACRES	% SITE
SITE AREA	1.57	100.0
BUILDING AREA	0.24	15.3
IMPERVIOUS AREA	1.00	63.7
LANDSCAPE AREA	0.33	21.0
PARKING SUMMARY		
USE	REQUIRED	PROVIDED
RESTAURANT (TOTAL)	93	94
ACCESSIBLE	5	6
PARKING REQUIREMENTS		
USE	PARKING REQUIREMENT	
RESTAURANT	1 SPACE/100 SF = 9,290 = 93 SPACES OR 1 SPACE/4 SEATS = 180 / 4 = 45 SPACES MINIMUM = 93 SPACES	

NOTES

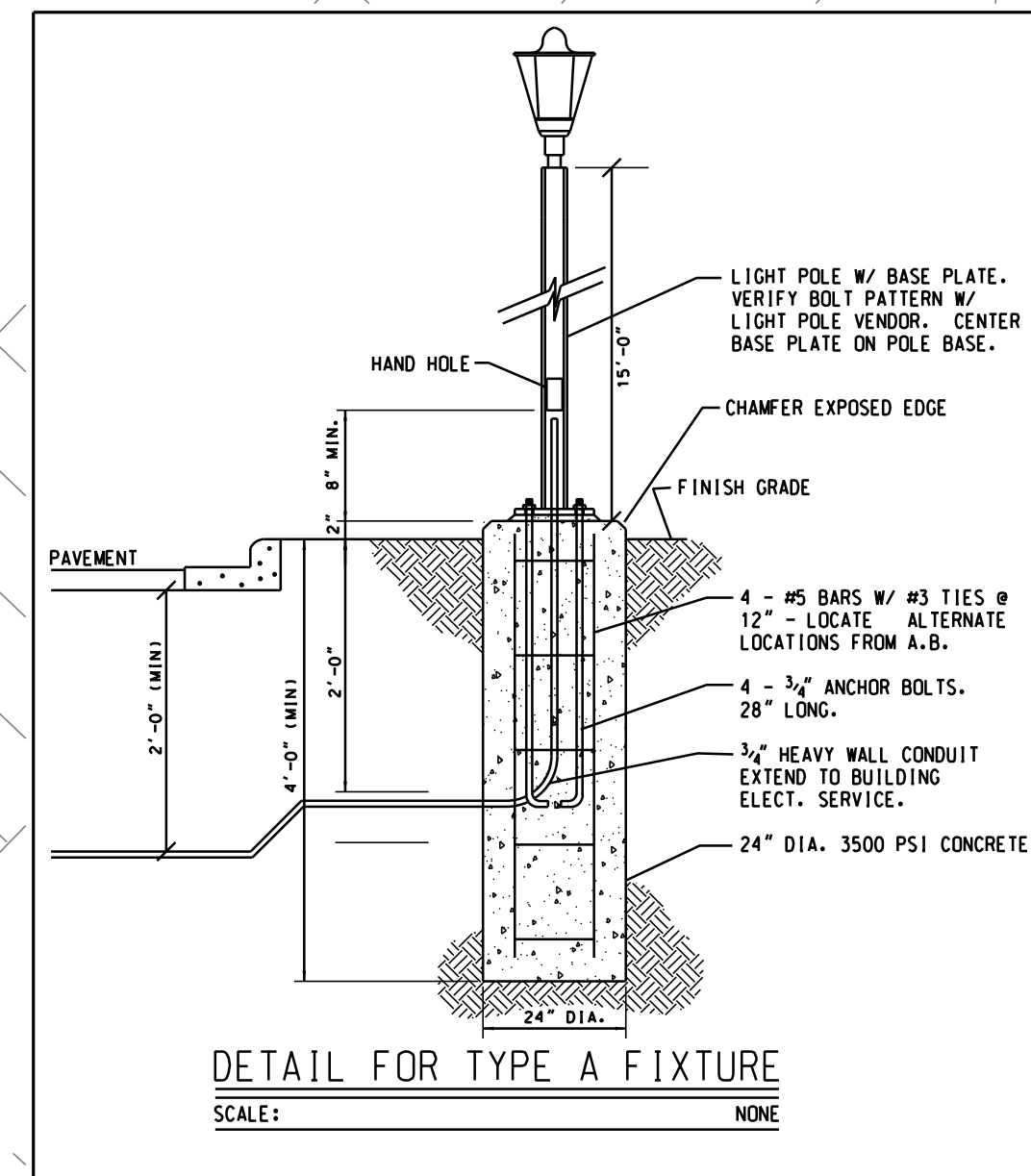
- A. BOUNDARY INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY BY: FREELAND AND ASSOCIATES, INC. 323 WEST STONE AVENUE, GREENVILLE, SOUTH CAROLINA 29604 DATED: 3-30-18
- B. TOTAL AREA OF SITE: 1.57 ACRES (68,474 SF)
- C. BUILDINGS: 9,290 SQ. FT. PORCH: 1,316 SQ. FT. / SEATING CAPACITY = 180
- D. ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD, UNLESS OTHERWISE NOTED.
- E. UNLESS NOTED OTHERWISE, CURB RADIUS 3.0' AND ANGLES ARE 90°.
- F. DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.

Cracker Barrel

P.O. Box 787
Hartmann Drive, Lebanon, Tn. 37087

ENTECH ENGINEERING INC.
5301 VIRGINIA WAY BRENTWOOD TN 37027
v. 615.373.2640 f. 615.373.4837
entechinc.com

JONATHAN D. BROWN
REGISTERED PROFESSIONAL ENGINEER
F-5257
10/2/18
ENTECH ENGINEERING INC.
TEXAS CON. #F-52571



PROPERTY OWNER: KOHL'S ILLINOIS, INC. 16611 TOOD RIDGEWOOD DRIVE MENCHONEE FALLS, WISCONSIN 53051 ERIC BORKENHAGEN (262) 703-1000
OWNER: CBOCS TEXAS LIMITED PARTNERSHIP P.O. BOX 787 LEBANON, TENNESSEE 37088-0787 TELEPHONE: (615) 444-5533
PLANS PREPARED BY: JONATHAN D. BROWN, P.E. ENTENCH ENGINEERING INC. 5301 VIRGINIA WAY SUITE 140 BRENTWOOD, TENNESSEE 37027 (615) 373-2640

CRACKER BARREL PROJECT NUMBER: CB 764 ROCKWALL, TX -03
CRACKER BARREL
OLD COUNTRY STORE, INC.
845 EAST INTERSTATE 30
ROCKWALL, TEXAS 75087

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BLOCK A, LOT 1

CASE NUMBER: SP2018-028

REVISIONS	
Δ	Δ
Δ	Δ
Δ	Δ



PHOTOMETRIC SITE PLAN

ES1
PROTO 180-11F

CAUTION
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

LIGHTING FIXTURE SCHEDULE				
TYPE	MANUFACTURER & CATALOG NO.	LAMPS	WATTAGE	REMARKS
2 EA	BASELITE INT2041 WITH AMERLUX KIT AVI-U-SY-4H 4" SQ. x 15" SECURITY SSSP15-1	NICHIA NT23757 DR72 LED	60.2	DECORATIVE POST TOP UNIT W AMERLUX LIGHTING AVISTA SERIES 15' POLE - DARK BRONZE
3 EA	LITHONIA LIGHTING - DSX1 LED 60C 1000 40K T3M MVOLT/PIRH4V DDBX	LED / 40K	209	LUMINAIRE - DARK BRONZE W SENSOR AND STEP DIMMING
1 EA	LITHONIA LIGHTING - SSS 25 4C DM19AS DDB		418	25' ABOVE GRADE - DARK BRONZE
DOUBLE FIX.	LITHONIA LIGHTING - DSX1 LED 60C 1000 40K T3M MVOLT/PIRH4V DDBX	LED / 40K	418	LUMINAIRE - DARK BRONZE W SENSOR AND STEP DIMMING
	LITHONIA LIGHTING - SSS 25 4C DM29AS DDB	DOUBLE FIXTURE		25' ABOVE GRADE - DARK BRONZE DOUBLE MOUNTING 180°

NOTE: ALL FIXTURES SHALL BE PARTIAL OR FULL CUT-OFF SOURCE.

SQUARE STRAIGHT STEEL POLES

Specifications

SSP SERIES

- Square straight steel shaft
- One-piece construction
- 23/8" OD tenons, or factory-drilled side mount
- Ground lug standard (3/8" 16 thread)
- Steel base plate
- Two-piece base cover
- Four L-shaped fully galvanized anchor bolts with nuts and washers, metal template
- Finished in weatherproof powder-coat paint
- Gasketed hand hole standard



ORDERING INFORMATION

18' Pole cut down to meet the 15' Pole Spec.

Pole Catalog Number ¹	Height	Wind Load Rating ^{2,5}				Pole Size	Base Square	Anchor Bolt Size ³	Suggested Bolt Circle	Bolt Circle Range	Bolt Projection	Pole Weight ⁴ lbs
		90mph EPA	100mph EPA	110mph EPA	120mph EPA							
11 GAUGE												
SSP-4118-XXX-XX	18	13.8	10.6	8.2	6.3	4"	10.25"	3/4"	10.5"	8-11"	4"	147
SSP-4125-XXX-XX	25	6.4	4.3	2.7	1.4	4"	10.25"	3/4"	10.5"	8-11"	4"	190
SSP-5125-XXX-XX	25	8.8	5.9	3.6	1.9	5"	12"	1"	10.5"	10-13.5"	4"	231
7 GAUGE												
SSP-4725-XXX-XX	25	10.9	8.1	6.0	4.4	4"	11"	3/4"	10.5"	8-11"	4"	266
SSP-5722-XXX-XX	22	22.4	17.3	13.5	10.5	5"	12"	1"	10.5"	10-13.5"	4"	263
SSP-5728-XXX-XX	28	13.7	9.9	7.1	4.9	5"	12"	1"	10.5"	10-13.5"	4"	340
SSP-5730-XXX-XX	30	11.5	8.0	5.4	3.4	5"	12"	1"	10.5"	10-13.5"	4"	398

¹ Catalog Number, as listed, does not include tenons or machining for side mounting. Fixture mounting must be specified by substituting for all Xs in Catalog Number. Refer to Catalog Logic for top type and for mounting arrangements.

² Maximum allowable luminaire and bracketing weight is determined by multiplying the EPA values above by 30 pounds.

³ Factory supplied template must be used when setting anchor bolts. Security Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template.

⁴ Anchor bolt weights not included.

⁵ Allowable EPA loading based on AASHTO 2009 (LTS5) specification; Group II Loading, 50 year recurrence internal calculations are based on 3-second-gust wind speed data.

CATALOG LOGIC

SAMPLE CATALOG NUMBER



SERIES	
SSP	Square Straight Steel

SHAFT SIZE SQUARE / GAUGE	
41	4.0", 11 ga.
47	4.0", 7 ga.
51	5.0", 11 ga.
57	5.0", 7 ga.

NOMINAL POLE HEIGHT (in feet)	
See ordering information above ¹	

- NOTES:
- Aluminum poles available, consult factory.
 - All factory stocked poles are shipped as tenon tops unless drill mounting holes are specified.
 - Consult factory for available pole options (receptacle, mid-pole brackets, and banner mounting arm)



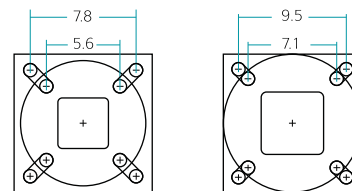
TOP TYPE	
1	23/8" OD Tenon ²
5	Removable Tenon ²
6	Side mount

MOUNTING ARRANGEMENT	
A	One Fixture
B	Two Fixtures at 90°
C	Two Fixtures at 180°
D	Three Fixtures at 90°
F	Four Fixtures at 90°
P	Tenons only

FIXTURE TYPE	
0	None, tenon only
2	ASB-F, RSB-RCS/RCL, WL, MXC, SL, CR1, CM, CM2

OPTION	
BLANK	Standard
GL	Hot Dip Galvanized

BOLT TEMPLATE



4" Square Pole

5" Square Pole

FINISH	
DB	Dark Bronze
BK	Black
WH	White
PS	Platinum Silver
00	Natural Galvanized Finish

¹ Consult factory for other available pole heights.
² Only for use with optional tenon top mounting brackets or ASB mounting brackets.

ACCESSORY: TENON TOP MOUNTING BRACKET

Catalog Number	Description
TTF-10	Single
TTF-29	Twin 90°
TTF-28	Twin 180°
TTF-39	Triple 90°
TTF-30	Triple 120°
TTF-49	Quad 90°

SQUARE STRAIGHT STEEL POLES

Specifications

SSP SERIES

- Square straight steel shaft
- One-piece construction
- 23/8" OD tenons, or factory-drilled side mount
- Ground lug standard (3/8" 16 thread)
- Steel base plate
- Two-piece base cover
- Four L-shaped fully galvanized anchor bolts with nuts and washers, metal template
- Finished in weatherproof powder-coat paint
- Gasketed hand hole standard



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18' Pole cut down to meet the 15' Pole Spec.

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¹ Catalog Number, as listed, does not include tenons or machining for side mounting. Fixture mounting must be specified by substituting for all Xs in Catalog Number. Refer to Catalog Logic for top type and for mounting arrangements.

² Maximum allowable luminaire and bracketing weight is determined by multiplying the EPA values above by 30 pounds.

³ Factory supplied template must be used when setting anchor bolts. Security Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template.

⁴ Anchor bolt weights not included.

⁵ Allowable EPA loading based on AASHTO 2009 (LTS5) specification; Group II Loading, 50 year recurrence internal calculations are based on 3-second-gust wind speed data.

CATALOG LOGIC

SAMPLE CATALOG NUMBER



SERIES	
SSP	Square Straight Steel

SHAFT SIZE SQUARE / GAUGE	
41	4.0", 11 ga.
47	4.0", 7 ga.
51	5.0", 11 ga.
57	5.0", 7 ga.

NOMINAL POLE HEIGHT (in feet)	
See ordering information above ¹	

- NOTES:
- Aluminum poles available, consult factory.
 - All factory stocked poles are shipped as tenon tops unless drill mounting holes are specified.
 - Consult factory for available pole options (receptacle, mid-pole brackets, and banner mounting arm)



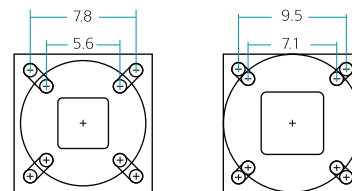
TOP TYPE	
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5	Removable Tenon ²
6	Side mount

MOUNTING ARRANGEMENT	
A	One Fixture
B	Two Fixtures at 90°
C	Two Fixtures at 180°
D	Three Fixtures at 90°
F	Four Fixtures at 90°
P	Tenons only

FIXTURE TYPE	
0	None, tenon only
2	ASB-F, RSB-RCS/RCL, WL, MXC, SL, CR1, CM, CM2

OPTION	
BLANK	Standard
GL	Hot Dip Galvanized

BOLT TEMPLATE



4" Square Pole

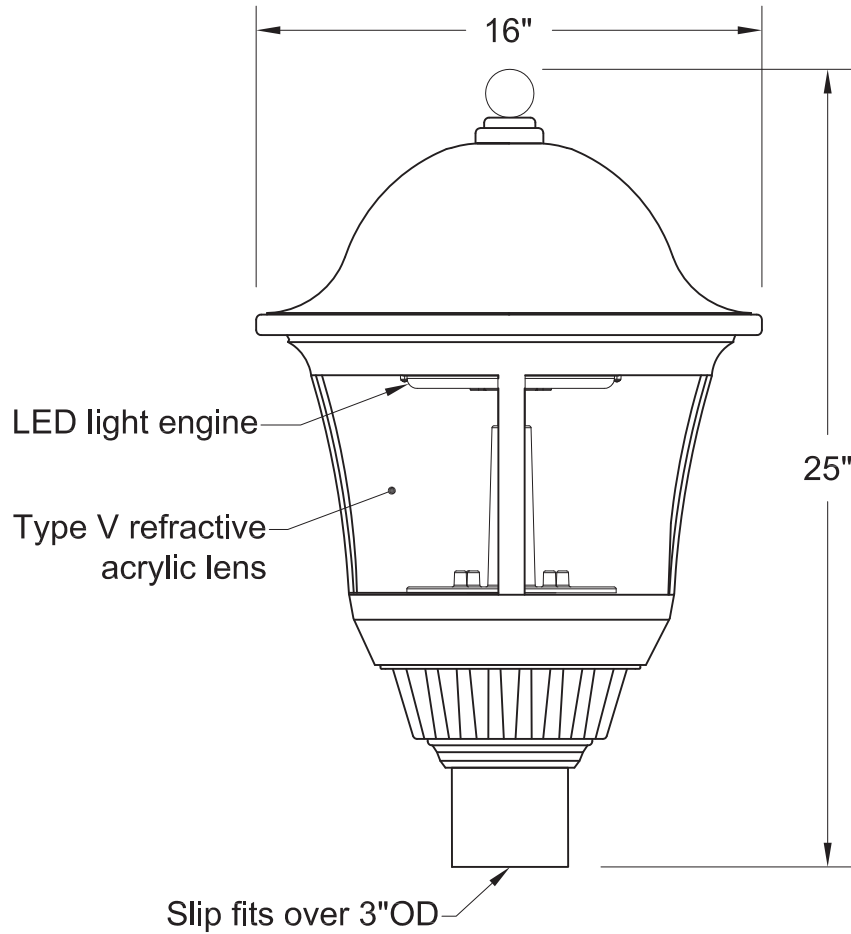
5" Square Pole

FINISH	
DB	Dark Bronze
BK	Black
WH	White
PS	Platinum Silver
00	Natural Galvanized Finish

¹ Consult factory for other available pole heights.
² Only for use with optional tenon top mounting brackets or ASB mounting brackets.

ACCESSORY: TENON TOP MOUNTING BRACKET


Catalog Number	Description
TTF-10	Single
TTF-29	Twin 90°
TTF-28	Twin 180°
TTF-39	Triple 90°
TTF-30	Triple 120°
TTF-49	Quad 90°



Approved By _____ Date _____

NOTICE: THIS DRAWING IS FOR REFERENCE ONLY. CHECK FOR LATEST REVISION PRIOR TO ORDERING. THIS DRAWING SHOULD ACCOMPANY YOUR ORDER. THANK YOU



<p>DATE 4/11/2016</p>		<p>PART STRING D265-T5/AVI-SY-4H/FIN-BALL 1.5"/STANDARD FINISH</p>		<p>FILE NAME CRACKER BARREL POST TOP LED_537686.dwg</p>	
<p>QUOTE #/ SO # 537686</p>				<p>NOTES</p>	
<p>JOB NAME: CRACKER BARREL POST TOP LED</p>					
<p>www.amerluxexterior.com 3450 S. SAM HOUSTON PARKWAY E. SUITE 400 HOUSTON, TX. 77047 PHONE:(281)997-5400 FAX:(281) 997-5441 TOLL FREE: (800) 364-0098</p>		<p>LIGHT SOURCE ● LED</p>	<p>VOLTAGE ● 120-277V</p>	<p>DRAWN BY JM</p>	
 <p>EXTERIOR LIGHTING GROUP</p>		<p>LIGHT DISTRIBUTION ● Type V</p>	<p>FINISH ● STD Standard finish</p>	<p>GENERAL: EXTERIOR HARDWARE WILL BE STAINLESS STEEL. ELECTRICAL COMPONENTS WILL BE ETL LISTED "SUITABLE FOR WET LOCATIONS."</p>	



FEATURES & SPECIFICATIONS

INTENDED USE — Square straight steel pole for up to 39-foot mounting height.

CONSTRUCTION — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

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

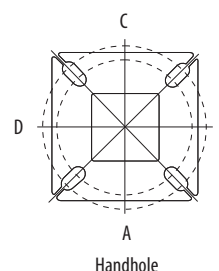
Example: SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting ¹	Options	Finish ¹⁰	
SSS	10 – 39 feet (See back page.) 25'	(See back page.)	<p><u>Tenon mounting</u></p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p><u>Drill mounting²</u></p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p><u>CSX/DSX/AERIS™/OMERO™ Drill mounting²</u></p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p><u>AERIS™ Suspend drill mounting^{2,3}</u></p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p><u>OMERO™ Suspend drill mounting^{2,3}</u></p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p><u>Shipped installed</u></p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)^{4,5}</p> <p>FDLxx Festoon outlet less electrical⁴</p> <p>CPL12xx 1/2" coupling⁴</p> <p>CPL34xx 3/4" coupling⁴</p> <p>CPL1xx 1" coupling⁴</p> <p>NPL12xx 1/2" threaded nipple⁴</p> <p>NPL34xx 3/4" threaded nipple⁴</p> <p>NPL1xx 1" threaded nipple⁴</p> <p>EHHxx Extra handhole^{4,6}</p> <p>MAEX Match existing⁷</p> <p>USPOM United States point of manufacture⁸</p> <p>IC Interior coating⁹</p>	<p><u>Standard colors</u></p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p><u>Classic colors</u></p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p><u>Architectural colors (powder finish)¹⁰</u></p>

NOTES:

- 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.
- The drilling template 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.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

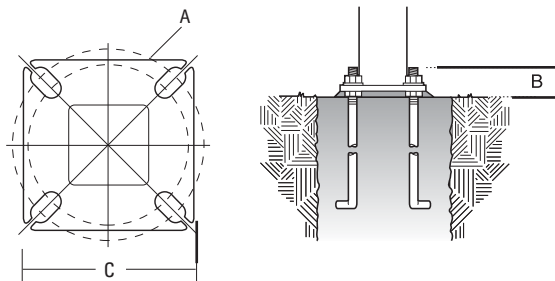
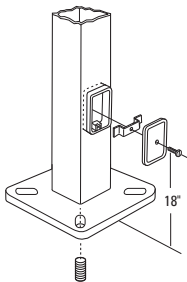
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective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

SSS Square Straight Steel Poles

TECHNICAL INFORMATION

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

BASE DETAIL



POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



d#series

D-Series Size 1 LED Area Luminaire



Catalog Number	DSX1-LED-60C-1000-40K-T3M-MVOLT
Notes	
Type	

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

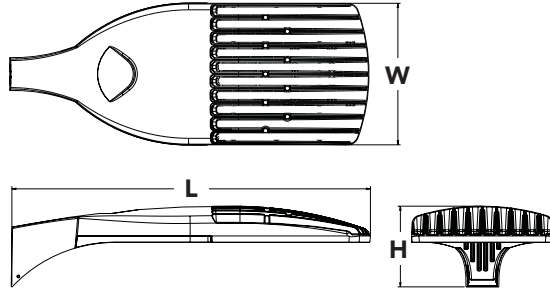
Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100 – 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	Forward optics	30C 30 LEDs (one engine)	530 530 mA	30K 3000 K	T1S Type I Short	MVOLT ³	Shipped included
		40C 40 LEDs (two engines)	700 700 mA	40K 4000 K	T2S Type II Short	120 ³	SPA Square pole mounting
		60C 60 LEDs (two engines)	1000 1000 mA (1 A)	50K 5000 K	T2M Type II Medium	208 ³	RPA Round pole mounting
	Rotated optics ¹	60C 60 LEDs (two engines)		AMBPC Amber phosphor converted ²	T3S Type III Short	240 ³	WBA Wall bracket
					T3M Type III Medium	277 ³	SPUMBA Square pole universal mounting adaptor ⁵
					T4M Type IV Medium	347 ⁴	RPUMBA Round pole universal mounting adaptor ⁵
						480 ⁴	Shipped separately
							KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁶

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) ⁷	HS House-side shield ¹⁶	DBLXD Black
PER5 Five-wire receptacle only (no controls) ^{7,8}	WTB Utility terminal block ¹⁷	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) ^{7,8}	SF Single fuse (120, 277, 347V) ¹⁸	DWHXD White
DMG 0-10V dimming driver (no controls) ⁹	DF Double fuse (208, 240, 480V) ¹⁸	DBTDXD Textured dark bronze
DCR Dimmable and controllable via ROAM® (no controls) ¹⁰	L90 Left rotated optics ¹⁹	DBL BXD Textured black
DS Dual switching ^{11,12}	R90 Right rotated optics ¹⁹	DNATXD Textured natural aluminum
PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		DWHGXD Textured white
PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹³		
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ¹³		
BL30 Bi-level switched dimming, 30% ^{12,14}		
BL50 Bi-level switched dimming, 50% ^{12,14}		
PNMTDD3 Part night, dim till dawn ¹⁵		
PNMT5D3 Part night, dim 5 hrs ¹⁵		
PNMT6D3 Part night, dim 6 hrs ¹⁵		
PNMT7D3 Part night, dim 7 hrs ¹⁵		
		(PIRH4V)

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
SC U	Shorting cap ²⁰
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

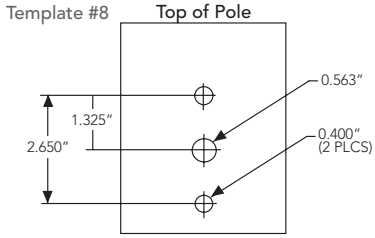
NOTES

- Rotated optics available with 60C only.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net. N/A with DS, PER5, PER7, BL30, BL50 or PNMT options.
- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the **SensorSwitch SBGR-10-ODP** control; PIRH and PIRH1FC3V specify the **SensorSwitch SBGR-6-ODP** control; see **Motion Sensor Guide** for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

For more control options, visit [DTL](#) and [ROAM](#) online.



Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**Far round pole mounting (RPA) only.

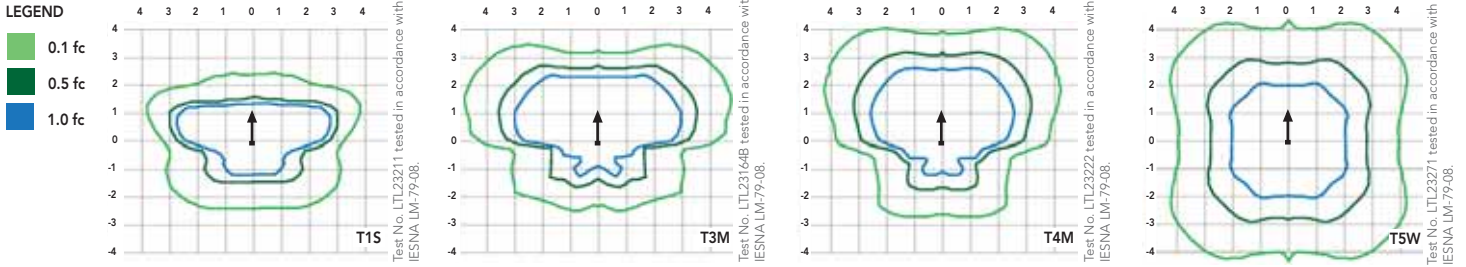
Tenon Mounting Slipfitter**

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

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	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

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.

LEDs	Drive Current (mA)	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		
30C (30 LEDs)	700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67		
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70		
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68		
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69		
			T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
			T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
			TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
			TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
			TSS	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
			TSM	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
			TSW	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
			1000 mA	105 W	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106					
					T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110					
					T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107					
	T3S	10,395			2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490			2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632			2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473			2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064			3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
	TSS	11,145			3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115							
	TSM	11,165			3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115							
	TSW	11,001			3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113							
	700 mA	89 W			T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	103	6,014	1	0	1	68
					T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	106	6,299	2	0	2	71
					T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	104	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	103	6,229	1	0	2	70		
			T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	104	6,198	2	0	2	70		
			T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	106	6,209	1	0	2	70		
TFTM			10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	104	6,115	1	0	2	69			
TSVS			10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	110	6,490	2	0	0	73			
TSS			10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	111	6,411	2	0	0	72			
TSM			10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	111	6,492	3	0	1	73			
TSW			10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	109	6,311	3	0	2	71			
1000 mA			138 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107						
				T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
				T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
	T3S	13,739		2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108								
	T3M	13,864		2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
	T4M	14,052		2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
	TFTM	13,842		2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108								
	TSVS	14,623		3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115								
	TSS	14,731		3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
	TSM	14,757		4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
	TSW	14,540		4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
	60C (60 LEDs)	700 mA		131 W	T1S	14,694	2	0	2	106	15,779	3	0	3	114	15,877	3	0	3	115	8,952	2	0	2	68
					T2S	15,150	3	0	3	110	16,269	3	0	3	118	16,370	3	0	3	119	9,377	2	0	2	72
					T2M	14,803	2	0	3	107	15,896	3	0	3	115	15,995	3	0	3	116	9,072	2	0	2	69
T3S			14,785		2	0	2	107	15,877	3	0	3	115	15,976	3	0	3	116	9,273	2	0	2	71		
T3M			14,919		2	0	2	108	16,021	3	0	3	116	16,121	3	0	3	117	9,227	2	0	2	70		
T4M			15,122		2	0	2	110	16,238	3	0	3	118	16,340	3	0	3	118	9,243	2	0	2	71		
TFTM			14,896		2	0	3	108	15,996	2	0	3	116	16,096	2	0	3	117	9,103	2	0	2	69		
TSVS			15,736		3	0	1	114	16,898	4	0	1	122	17,004	4	0	1	123	9,661	3	0	1	74		
TSS			15,852		3	0	1	115	17,022	4	0	1	123	17,129	4	0	1	124	9,544	3	0	1	73		
TSM			15,880		4	0	2	115	17,052	4	0	2	124	17,159	4	0	2	124	9,665	3	0	2	74		
TSW			15,647		4	0	2	113	16,802	4	0	2	122	16,907	4	0	2	123	9,395	4	0	2	72		
1000 mA			209 W		T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104					
					T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107					
					T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105					
		T3S		20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
		T3M		20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
		T4M		20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
		TFTM		20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
		TSVS		21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
		TSS		21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
		TSM		21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
		TSW		21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 (1.2 ft²) 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 standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 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 configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 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 or 6kV 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, 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.



FEATURES & SPECIFICATIONS

INTENDED USE — Square straight steel pole for up to 39-foot mounting height.

CONSTRUCTION — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

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

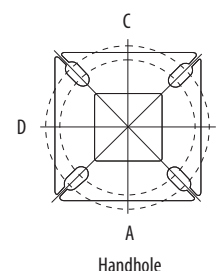
Example: SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting ¹	Options	Finish ¹⁰	
SSS	10 – 39 feet (See back page.) 25'	(See back page.)	<p>Tenon mounting</p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p>Drill mounting²</p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p>CSX/DSX/AERIS™/OMERO™ Drill mounting²</p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p>AERIS™ Suspend drill mounting^{2,3}</p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p>OMERO™ Suspend drill mounting^{2,3}</p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p>Shipped installed</p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)^{4,5}</p> <p>FDLxx Festoon outlet less electrical⁴</p> <p>CPL12xx 1/2" coupling⁴</p> <p>CPL34xx 3/4" coupling⁴</p> <p>CPL1xx 1" coupling⁴</p> <p>NPL12xx 1/2" threaded nipple⁴</p> <p>NPL34xx 3/4" threaded nipple⁴</p> <p>NPL1xx 1" threaded nipple⁴</p> <p>EHHxx Extra handhole^{4,6}</p> <p>MAEX Match existing⁷</p> <p>USPOM United States point of manufacture⁸</p> <p>IC Interior coating⁹</p>	<p>Standard colors</p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p>Classic colors</p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p>Architectural colors (powder finish)¹⁰</p>

NOTES:

- 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.
- The drilling template 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.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

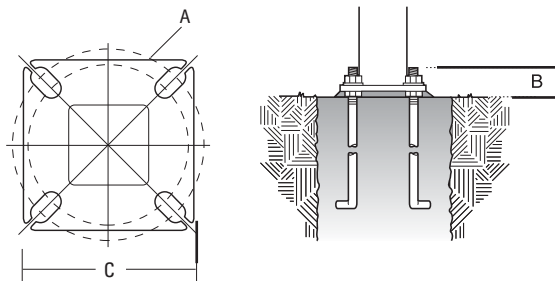
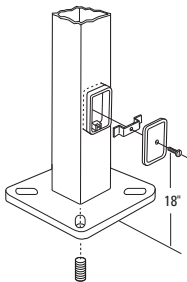
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective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

SSS Square Straight Steel Poles

TECHNICAL INFORMATION

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

BASE DETAIL



POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



d#series

D-Series Size 1 LED Area Luminaire



Catalog Number	DSX1-LED-60C-1000-40K-T3M-MVOLT
Notes	
Type	

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

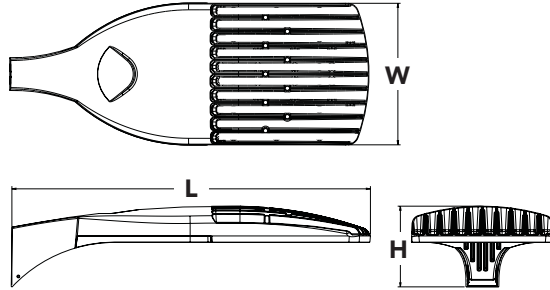
Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing 100 – 400W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	
	DSX1 LED	Forward optics	530 530 mA	30K 3000 K	T1S Type I Short	TFTM Forward Throw	MVOLT ³	Shipped included
		30C 30 LEDs (one engine)	700 700 mA	40K 4000 K	T2S Type II Short	Medium	120 ³	SPA Square pole mounting
		40C 40 LEDs (two engines)	1000 1000 mA (1 A)	50K 5000 K	T2M Type II Medium	T5VS Type V Very Short	208 ³	RPA Round pole mounting
		60C 60 LEDs (two engines)		AMBPC Amber phosphor converted ²	T3S Type III Short	T5S Type V Short	240 ³	WBA Wall bracket
		Rotated optics ¹			T3M Type III Medium	T5M Type V Medium	277 ³	SPUMBA Square pole universal mounting adaptor ⁵
		60C 60 LEDs (two engines)			T4M Type IV Medium	T5W Type V Wide	347 ⁴	RPUMBA Round pole universal mounting adaptor ⁵
							480 ⁴	Shipped separately
								KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁶

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark bronze
PER NEMA twist-lock receptacle only (no controls) ⁷	HS House-side shield ¹⁶	DBLXD Black
PER5 Five-wire receptacle only (no controls) ^{7,8}	WTB Utility terminal block ¹⁷	DNAXD Natural aluminum
PER7 Seven-wire receptacle only (no controls) ^{7,8}	SF Single fuse (120, 277, 347V) ¹⁸	DWHXD White
DMG 0-10V dimming driver (no controls) ⁹	DF Double fuse (208, 240, 480V) ¹⁸	DBBTXD Textured dark bronze
DCR Dimmable and controllable via ROAM® (no controls) ¹⁰	L90 Left rotated optics ¹⁹	DBL BXD Textured black
DS Dual switching ^{11,12}	R90 Right rotated optics ¹⁹	DNATXD Textured natural aluminum
PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		DWHGXD Textured white
PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹³		
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³		
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ¹³		
BL30 Bi-level switched dimming, 30% ^{12,14}		
BL50 Bi-level switched dimming, 50% ^{12,14}		
PNMTDD3 Part night, dim till dawn ¹⁵		
PNMT5D3 Part night, dim 5 hrs ¹⁵		
PNMT6D3 Part night, dim 6 hrs ¹⁵		
PNMT7D3 Part night, dim 7 hrs ¹⁵		
		(PIRH4V)

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
SCU	Shorting cap ²⁰
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶

For more control options, visit [DTL](#) and [ROAM](#) online.

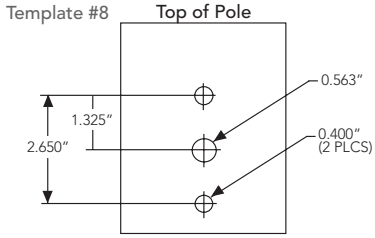
NOTES

- Rotated optics available with 60C only.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net. N/A with DS, PER5, PER7, BL30, BL50 or PNMT options.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the [SensorSwitch SBGR-10-ODP](#) control; PIRH and PIRH1FC3V specify the [SensorSwitch SBGR-6-ODP](#) control; see [Motion Sensor Guide](#) for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.



Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.
**Far round pole mounting (RPA) only.

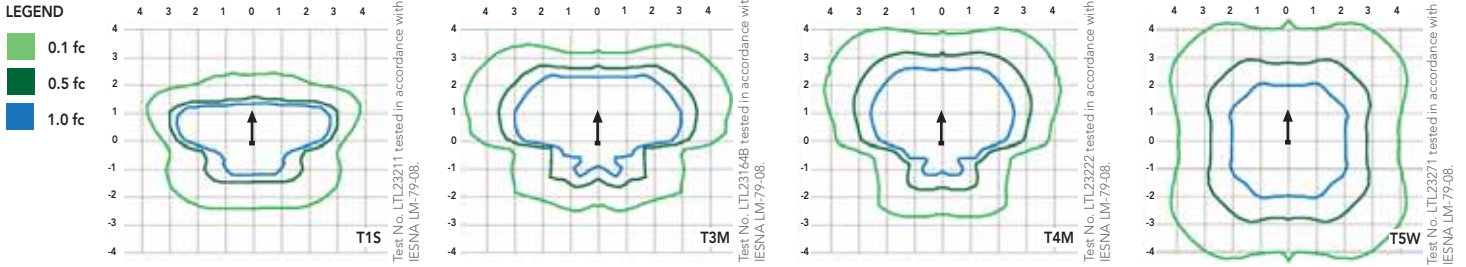
Tenon Mounting Slipfitter**

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's **D-Series Area Size 1** homepage.

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



Performance Data

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

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	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

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.

LEDs	Drive Current (mA)	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	
30C (30 LEDs)	700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67	
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70	
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68	
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69	
			T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69	
			T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69	
			TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68	
			TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72	
			TSS	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72	
			TSM	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72	
	TSW	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70			
		1000 mA	105 W	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106					
	T2S			10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110						
	T2M			10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107						
	T3S			10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107						
	T3M			10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108						
	T4M			10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109						
	TFTM			10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108						
	TSVS			11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114						
	TSS			11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115						
TSM	11,165			3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115							
TSW	11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113									
40C (40 LEDs)	700 mA	89 W	T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	103	6,014	1	0	1	68	
			T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	106	6,299	2	0	2	71	
			T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	104	6,094	2	0	2	68	
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	103	6,229	1	0	2	70	
			T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	104	6,198	2	0	2	70	
			T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	106	6,209	1	0	2	70	
			TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	104	6,115	1	0	2	69	
			TSVS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	110	6,490	2	0	0	73	
			TSS	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	111	6,411	2	0	0	72	
			TSM	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	111	6,492	3	0	1	73	
	TSW	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	109	6,311	3	0	2	71			
		1000 mA	138 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107					
	T2S			14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
	T2M			13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
	T3S			13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108						
	T3M			13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109						
	T4M			14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110						
	TFTM			13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108						
	TSVS			14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115						
	TSS			14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115						
TSM	14,757			4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116							
TSW	14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114									
60C (60 LEDs)	700 mA	131 W	T1S	14,694	2	0	2	106	15,779	3	0	3	114	15,877	3	0	3	115	8,952	2	0	2	68	
			T2S	15,150	3	0	3	110	16,269	3	0	3	118	16,370	3	0	3	119	9,377	2	0	2	72	
			T2M	14,803	2	0	3	107	15,896	3	0	3	115	15,995	3	0	3	116	9,072	2	0	2	69	
			T3S	14,785	2	0	2	107	15,877	3	0	3	115	15,976	3	0	3	116	9,273	2	0	2	71	
			T3M	14,919	2	0	2	108	16,021	3	0	3	116	16,121	3	0	3	117	9,227	2	0	2	70	
			T4M	15,122	2	0	2	110	16,238	3	0	3	118	16,340	3	0	3	118	9,243	2	0	2	71	
			TFTM	14,896	2	0	3	108	15,996	2	0	3	116	16,096	2	0	3	117	9,103	2	0	2	69	
			TSVS	15,736	3	0	1	114	16,898	4	0	1	122	17,004	4	0	1	123	9,661	3	0	1	74	
			TSS	15,852	3	0	1	115	17,022	4	0	1	123	17,129	4	0	1	124	9,544	3	0	1	73	
			TSM	15,880	4	0	2	115	17,052	4	0	2	124	17,159	4	0	2	124	9,665	3	0	2	74	
	TSW	15,647	4	0	2	113	16,802	4	0	2	122	16,907	4	0	2	123	9,395	4	0	2	72			
		1000 mA	209 W	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104					
	T2S			20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107						
	T2M			20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105						
	T3S			20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105						
	T3M			20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105						
	T4M			20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107						
	TFTM			20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105						
	TSVS			21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111						
	TSS			21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112						
TSM	21,717			4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111									

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 (1.2 ft²) 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 standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 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 configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 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 or 6kV 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

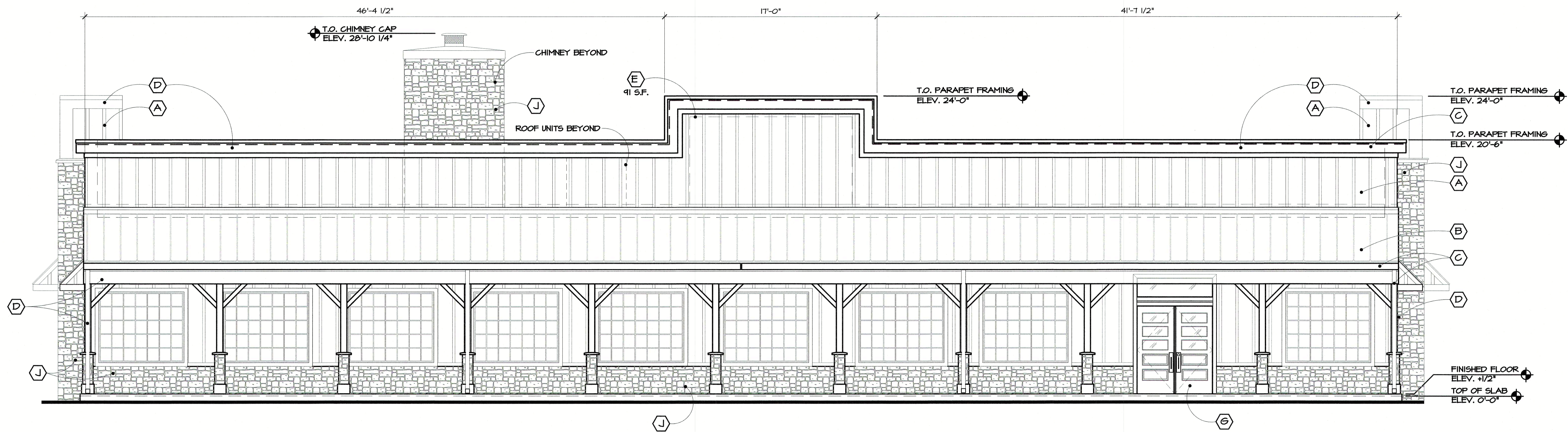
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

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

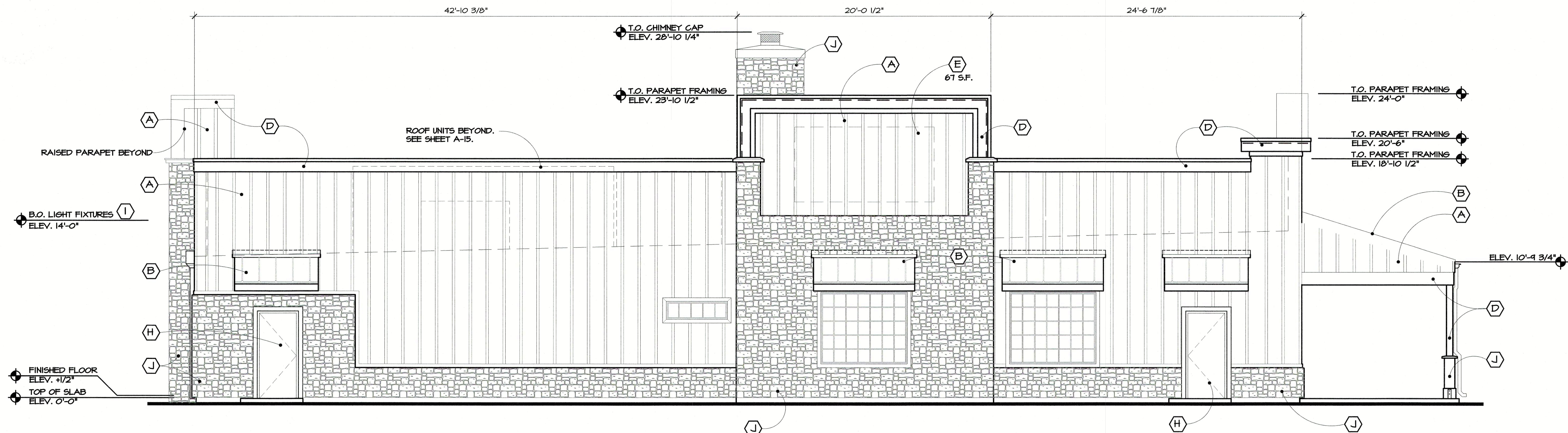
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



TOTAL MATERIAL AREA: 1,926 sf
 A - FIBER CEMENT PANELING: 1,412 sf (73.3%)
 D - ROUGH-SAWN WOOD TRIM AND FASCIA: 167 sf (8.6%)
 J - STONE VENEER: 353 sf (18.3%)

1 NORTHWEST ELEVATION - FACES STREET

A-4 SCALE 1/4" = 1'-0"



TOTAL MATERIAL AREA LESS OPENINGS: 1,716 sf
 A - FIBER CEMENT PANELING: 1,027 sf (61.2%)
 D - ROUGH-SAWN WOOD TRIM AND FASCIA: 184 sf (10.3%)
 J - STONE VENEER: 505 sf (28.4%)

2 NORTHEAST ELEVATION

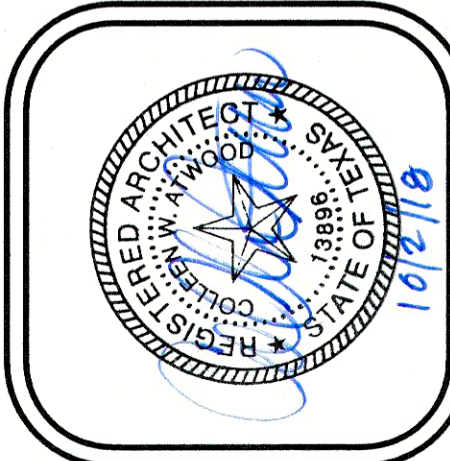
A-4 SCALE 1/4" = 1'-0"

EXTERIOR MATERIALS LEGEND (A)

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA FIBER CEMENT SIDING & BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM AT PORCH COLUMNS	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINWAX OIL STAIN 'GOLDEN OAK'
H	METAL SERVICE / EXIT DOORS & FRAMES	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	NATURAL STONE VENEER	'OKLAHOMA LEDGESTONE' - COBRA STONE

CRACKER BARREL STORE NUMBER: CB-394 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 845 EAST INTERSTATE 30
 ROCKWALL, TX 75087

Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, TN 37087



1645 Westgate Circle
 Brentwood, TN 37027
 615-370-1779
 Fax: 370-9108
 WWW.JORDANINC.US

TN DESIGN and ENGINEERING INC.

INITIAL DATE: OCT. 1, 2018
 RE-ISSUE DATE:

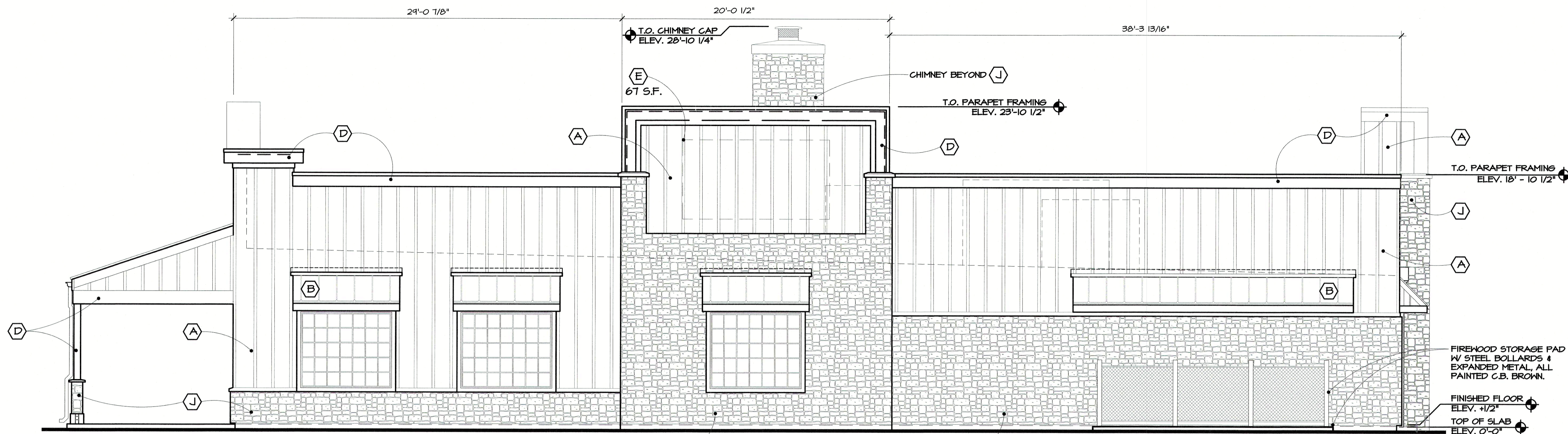
REVISIONS

11-16-15



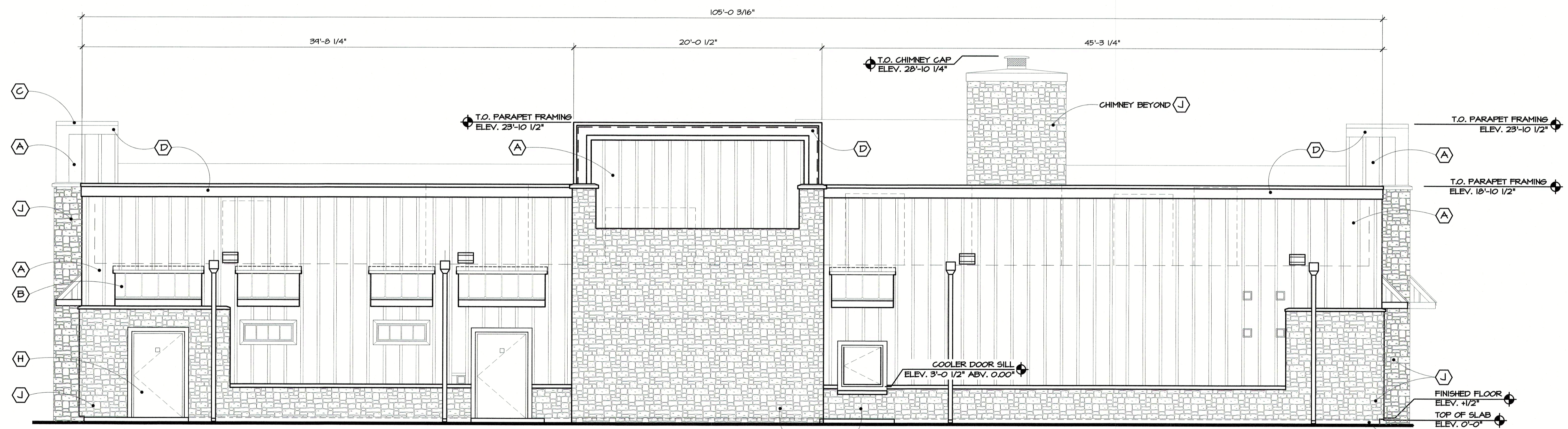
CRACKER BARREL
OLD COUNTRY STORE, INC.
 845 EAST INTERSTATE 30
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER: SP2018-028

A-4
 EXTERIOR ELEVATIONS
 CB 180 TIF-112



TOTAL MATERIAL AREA: 1,700 sf
 A - FIBER CEMENT PANELING: 899 sf (50.3%)
 D - ROUGH-SAWN WOOD TRIM AND FASCIA: 197 sf (11%)
 J - NATURAL STONE VENEER: 612 sf (38.7%)

1 **SOUTHWEST ELEVATION**
 SCALE 1/4" = 1'-0"



TOTAL MATERIAL AREA: 2,206 sf
 A - FIBER CEMENT PANELING: 1,284 sf (58.2%)
 D - ROUGH SAWN WOOD TRIM AND FASCIA: 162 sf (7.3%)
 J - NATURAL STONE VENEER: 760 sf (34.5%)

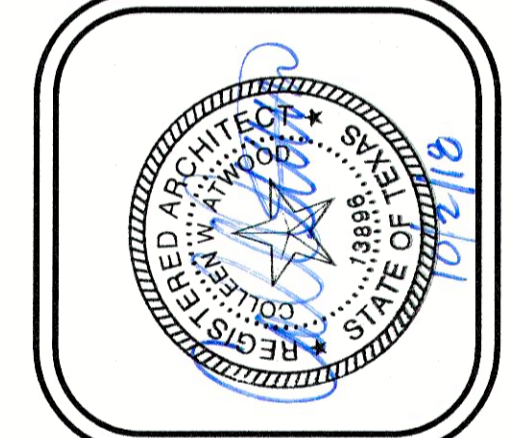
2 **SOUTHEAST ELEVATION**
 SCALE 1/4" = 1'-0"

NOTE: PAINT ALL EXPOSED FOUNDATION WALLS CRACKER BARREL BROWN

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA SIDING & MIRATEC BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINIAX OIL STAIN 'GOLDEN OAK'
H	METAL SERVICE / EXIT DOORS & FRAMES	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	NATURAL STONE VENEER	'OKLAHOMA LEDGESTONE' - COBRA STONE

CRACKER BARREL STORE NUMBER: 08767 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 845 EAST INTERSTATE 30
 ROCKWALL, TX 75087
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Cracker Barrel
 P.O. Box 787
 Hartmann Drive, Lebanon, TN 37087



1645 Westgate Circle
 Brentwood, TN 37027
 615-370-1779
 fax: 370-9108
 www.dandlinc.us

TN DESIGN and ENGINEERING, INC.

INITIAL DATE: OCT. 1, 2018
 RE-ISSUE DATE:

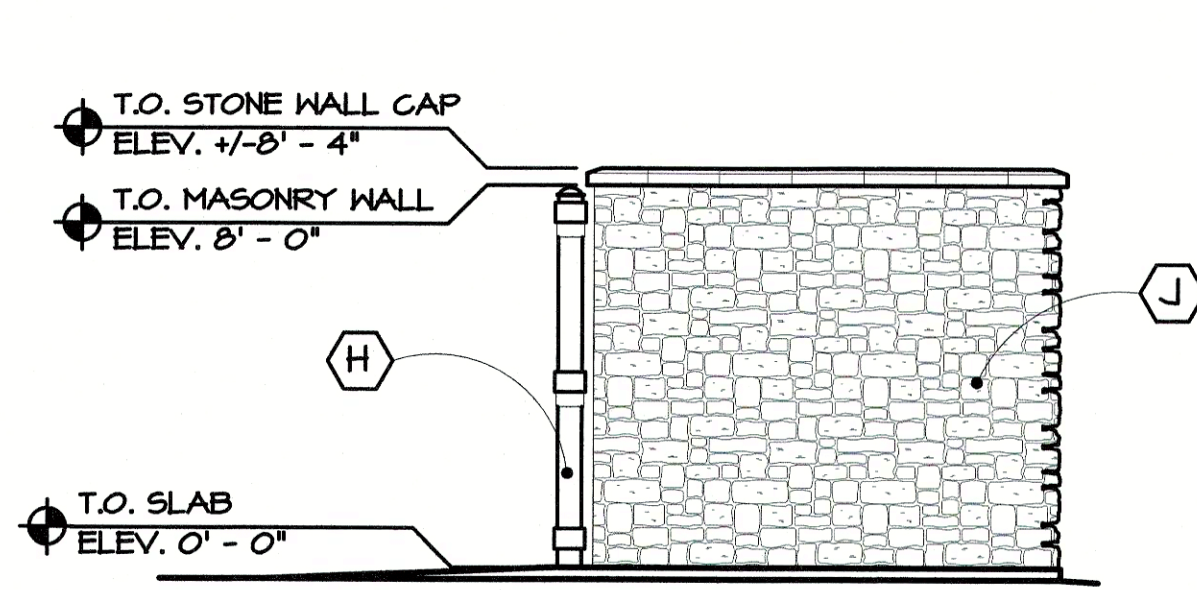
REVISIONS

11-1645

CRACKER BARREL
OLD COUNTRY STORE, INC.
 845 EAST INTERSTATE 30
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER: SP2018-028

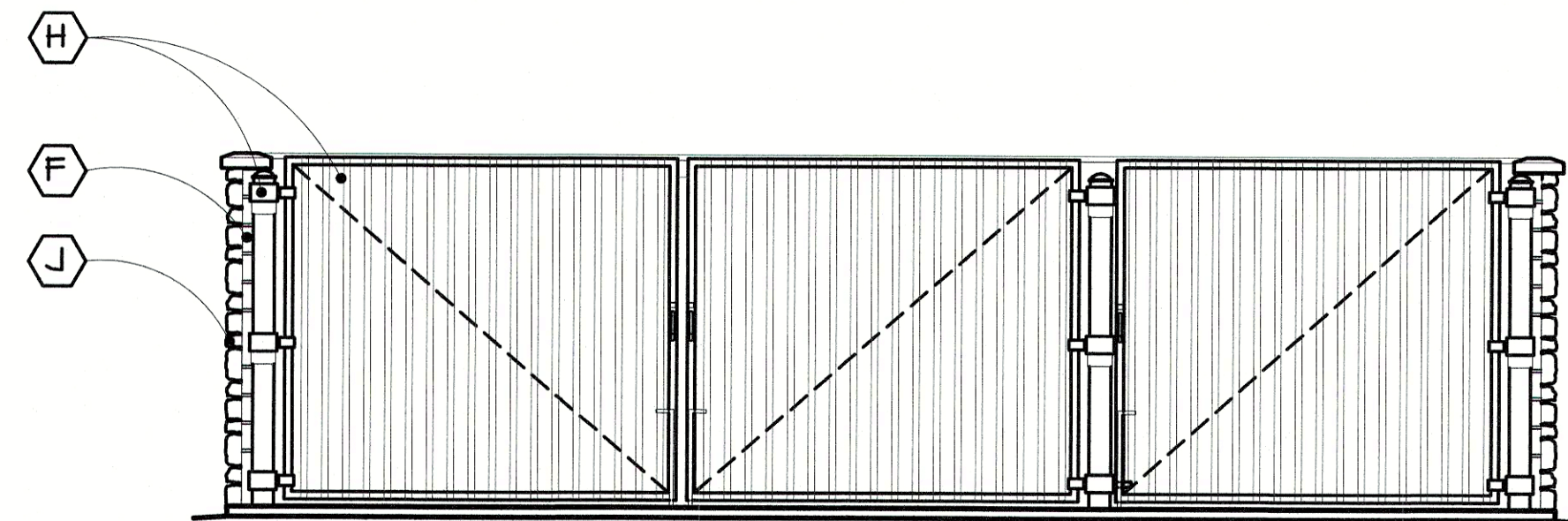
Cracker Barrel
 Old Country Store

A-4.1
 EXTERIOR ELEVATIONS
 CB 180 ITF-112



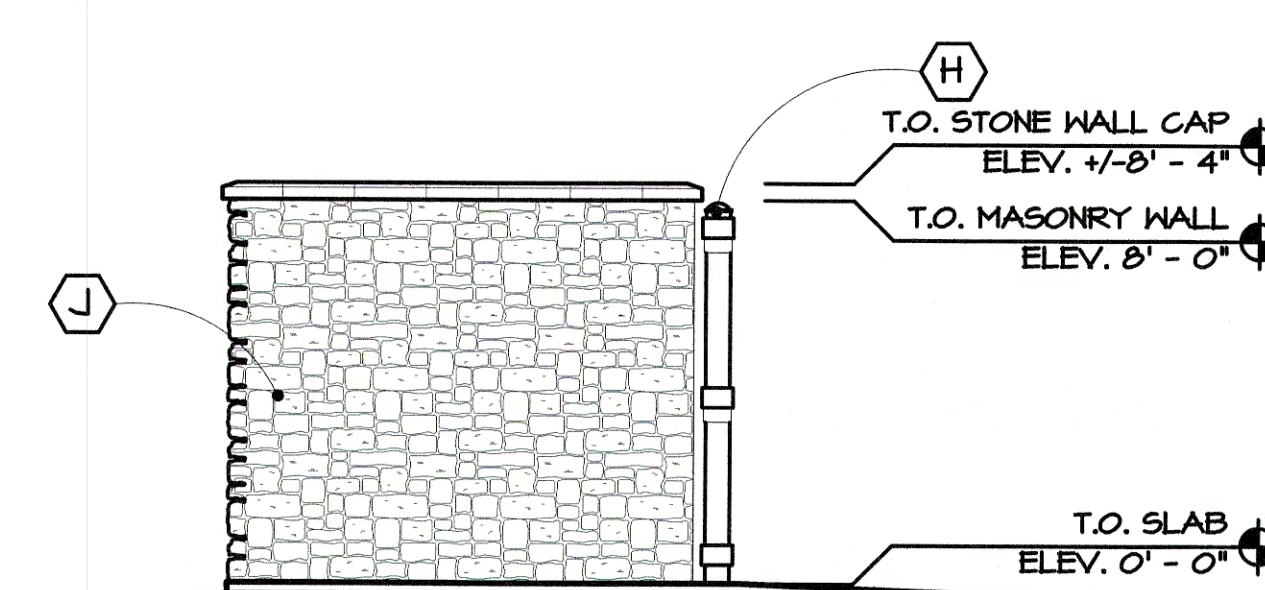
1 WEST ELEVATION

SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA: 80 sf
 J - NATURAL STONE VENEER: 80 sf (100%)



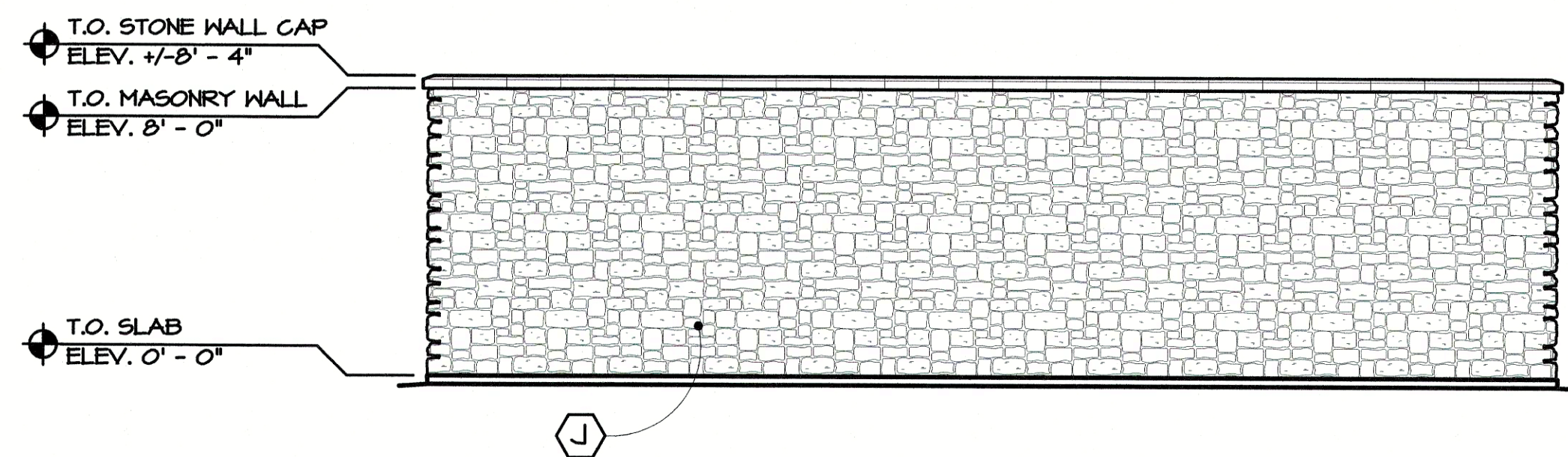
2 NORTH ELEVATION - FACES STREET

SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA LESS GATES: 16 sf
 H - METAL GATE AREA - 231 S.F.
 F - SMOOTH FACED CMU: 10.5 sf (65.4%)
 J - NATURAL STONE VENEER: 5.5 sf (31.6%)



3 EAST ELEVATION

SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA: 80 sf
 J - NATURAL STONE VENEER: 80 sf (100%)



4 SOUTH ELEVATION

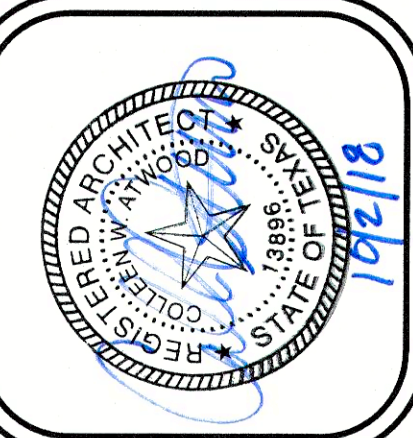
SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA: 257 sf
 J - NATURAL STONE VENEER - 257 sf (100%)

EXTERIOR MATERIALS LEGEND

MARK	MATERIAL & MANUFACTURER	COLOR / FINISH
A	ALLURA SIDING & MIRATEC BATTENS AT 16" O.C.	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN' (SEE FINISH LISTING ON SHEET A-4)
B	BERRIDGE DEEP-VEE STANDING SEAM METAL ROOF	PRE-FINISHED GALVALUME
C	PETERSEN METAL COPING, GUTTERS, DOWNSPOUTS	PRE-FINISHED DARK BRONZE
D	ROUGH-SAWN WOOD TRIM	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
E	PARAPET WALL SIGNAGE	BY SIGNAGE CONTRACTOR
F	SMOOTH-FACED CONCRETE BLOCK	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
G	WOOD ENTRY DOORS	MINWAX OIL STAIN 'GOLDEN OAK'
H	FLUTED METAL GATES / STEEL GATE POSTS	SHERWIN-WILLIAMS PAINT 'CRACKER BARREL RURAL BROWN'
I	WALL / SIGNAGE LIGHTING	PRE-FINISHED BLACK
J	NATURAL STONE VENEER	'OKLAHOMA LEDGESTONE' - COBRA STONE

CRACKER BARREL STORE NUMBER: CB-164 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 845 EAST INTERSTATE 30
 ROCKWALL, TX 75087
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REVISIONS

11-16-15



CRACKER BARREL
OLD COUNTRY STORE, INC.
 845 EAST INTERSTATE 30
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER: SP2018-028

A-4.2
 DUMPSTER ENCLOSURE
 ELEVATIONS
 CB 180 17F-112



NORTHWEST ELEVATION
FACES STREET



NORTHEAST ELEVATION
FACES CHUCK-E-CHEESE

DIMENSIONAL INFORMATION

BUILDING SIZE:

-LENGTH/WIDTH OF BUILDING:
87'-4"L x 105'-0"W

-LENGTH/WIDTH OF PORCH:
12'-4"L x 105'-6"W

-SQUARE FOOTAGE OF BUILDING:
9,113 sf

-SQUARE FOOTAGE OF PORCH:
1,284 sf

-TOTAL FOOTPRINT:
10,397 sf

BUILDING HEIGHTS:

-HEIGHT OF FRONT WALL PARAPET:
20'-6" H

-HEIGHT OF SIDE & REAR PARAPETS:
17'-10 1/2" H

-TOP OF SIGN PARAPETS:
FRONT: 24'-0" H,
RIGHT: 21'-10 1/2" H,

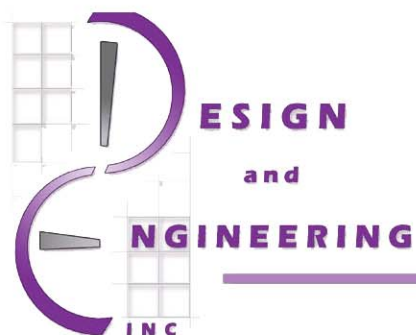
-HEIGHT OF CHIMNEY ABOVE FINISH
FLOOR: 30'-0" +/-

-ROOF SLOPES FRONT TO REAR:
-MAX. HEIGHT ABOVE FINISH FLOOR
INSIDE FRONT PARAPET WALL:
13'-0" H
-MIN. HEIGHT HABOVE FINISH
FLOOR INSIDE REAR PARAPET
WALL: 11'-0" H

WALL SIGNAGE:

-HEIGHT/WIDTH OF FRONT SIGN:
7'h x 13'w (91 sf)

-HEIGHT/WIDTH OF REAR AND RETAIL:
5'-11"h x 11'-0"w (64 sf)



ROCKWALL, TEXAS
CRACKER BARREL PROTOTYPE 180-17F

EXTERIOR MATERIALS LEGEND

- A ALLURA FIBER CEMENT SIDING & BATTENS, PAINTED "CRACKER BARREL BROWN"
- B BERRIDGE STANDING-SEAM METAL ROOF, GALVALUME FINISH
- C PAC-CLAD METAL COPING, DARK BRONZE FINISH
- D NATURAL STONE VENEER - COBRA STONE "OKLAHOMA LEDGESTONE"



THIS IS AN ARTISTIC RENDERING OF THE PROPOSED EXTERIOR ELEVATIONS AND THEREFORE SHOULD NOT BE RELIED UPON FOR ACCURATE COLOR RENDITION OF THE MATERIALS SHOWN. PLEASE REFER TO MATERIAL BOARDS FOR ACTUAL COLOR AND TEXTURE SAMPLES. THIS DRAWING IS NOT TO SCALE. PLEASE REFER TO "DIMENSIONAL INFORMATION" FOR ACTUAL DIMENSIONS.

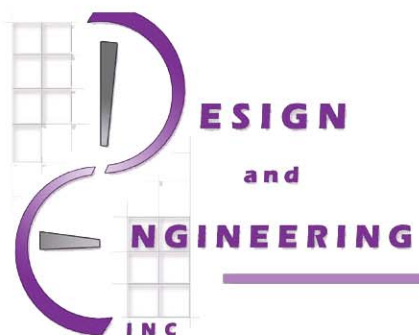


SOUTHWEST ELEVATION
FACES KOHL'S



SOUTHEAST ELEVATION
FACES PARKING AREA

DIMENSIONAL INFORMATION	
BUILDING SIZE:	
-LENGTH/WIDTH OF BUILDING:	87'-4"L x 105'-0"W
-LENGTH/WIDTH OF PORCH:	12'-4"L x 105'-6"W
-SQUARE FOOTAGE OF BUILDING:	9,113 sf
-SQUARE FOOTAGE OF PORCH:	1,284 sf
-TOTAL FOOTPRINT:	10,397 sf
BUILDING HEIGHTS:	
-HEIGHT OF FRONT WALL PARAPET:	20'-6" H
-HEIGHT OF SIDE & REAR PARAPETS:	18'-10 1/2" H
-TOP OF SIGN PARAPETS:	FRONT: 24'-0" H, RIGHT: 21'-10 1/2" H,
-HEIGHT OF CHIMNEY ABOVE FINISH FLOOR:	30'-0" +/-
-ROOF SLOPES FRONT TO REAR:	
-MAX. HEIGHT ABOVE FINISH FLOOR INSIDE FRONT PARAPET WALL:	13'-0" H
-MIN. HEIGHT ABOVE FINISH FLOOR INSIDE REAR PARAPET WALL:	11'-0" H
WALL SIGNAGE:	
-HEIGHT/WIDTH OF FRONT SIGN:	7'h x 13'w (91 sf)
-HEIGHT/WIDTH OF DINING AND RETAIL SIGNAGE:	5'-11"h x 11'-0"w (64 sf)



ROCKWALL, TEXAS
CRACKER BARREL PROTOTYPE 180-17F

EXTERIOR MATERIALS LEGEND

- A ALLURA FIBER CEMENT SIDING & BATTENS, PAINTED "CRACKER BARREL BROWN"
- B BERRIDGE STANDING-SEAM METAL ROOF, GALVALUME FINISH
- C PAC-CLAD METAL COPING, DARK BRONZE FINISH
- D NATURAL STONE VENEER - COBRA STONE "OKLAHOMA LEDGESTONE"



10/2/2018

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