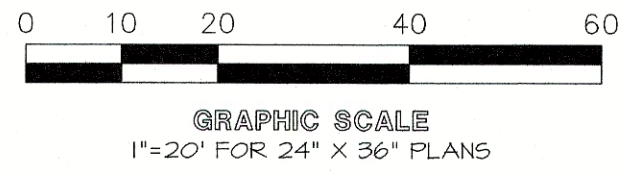
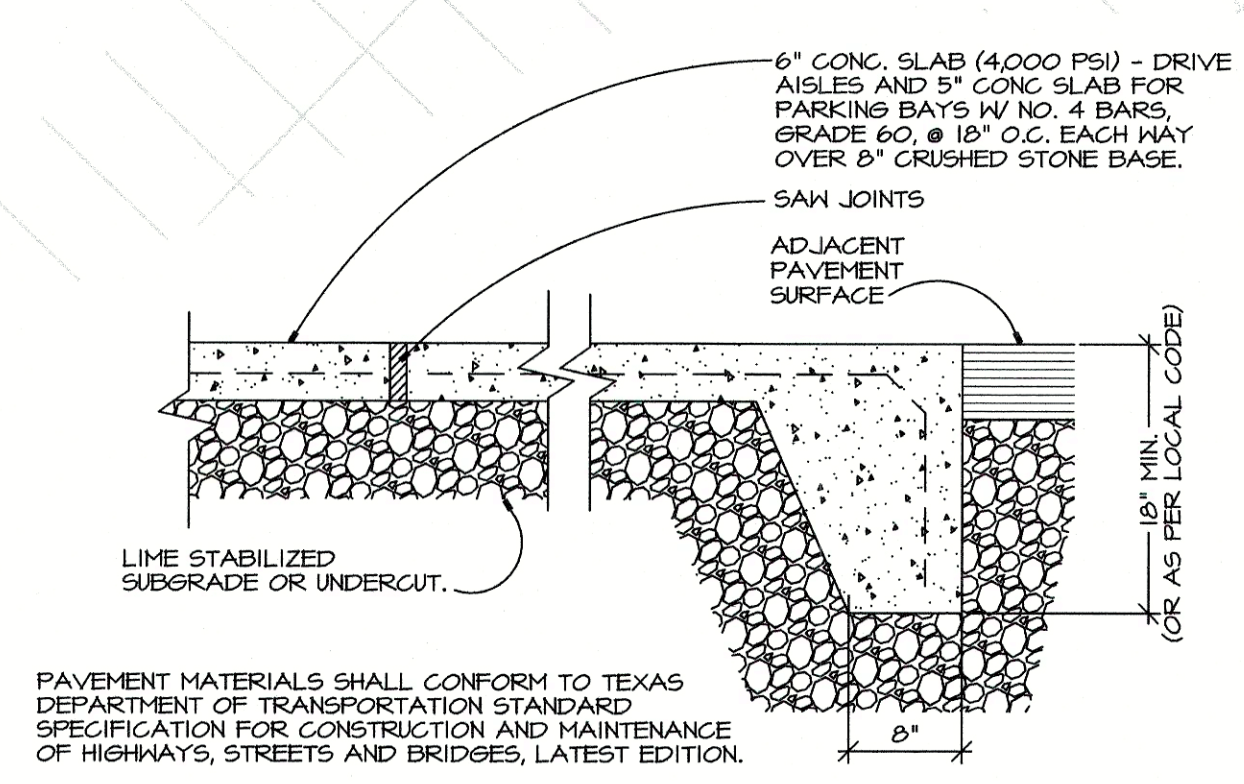
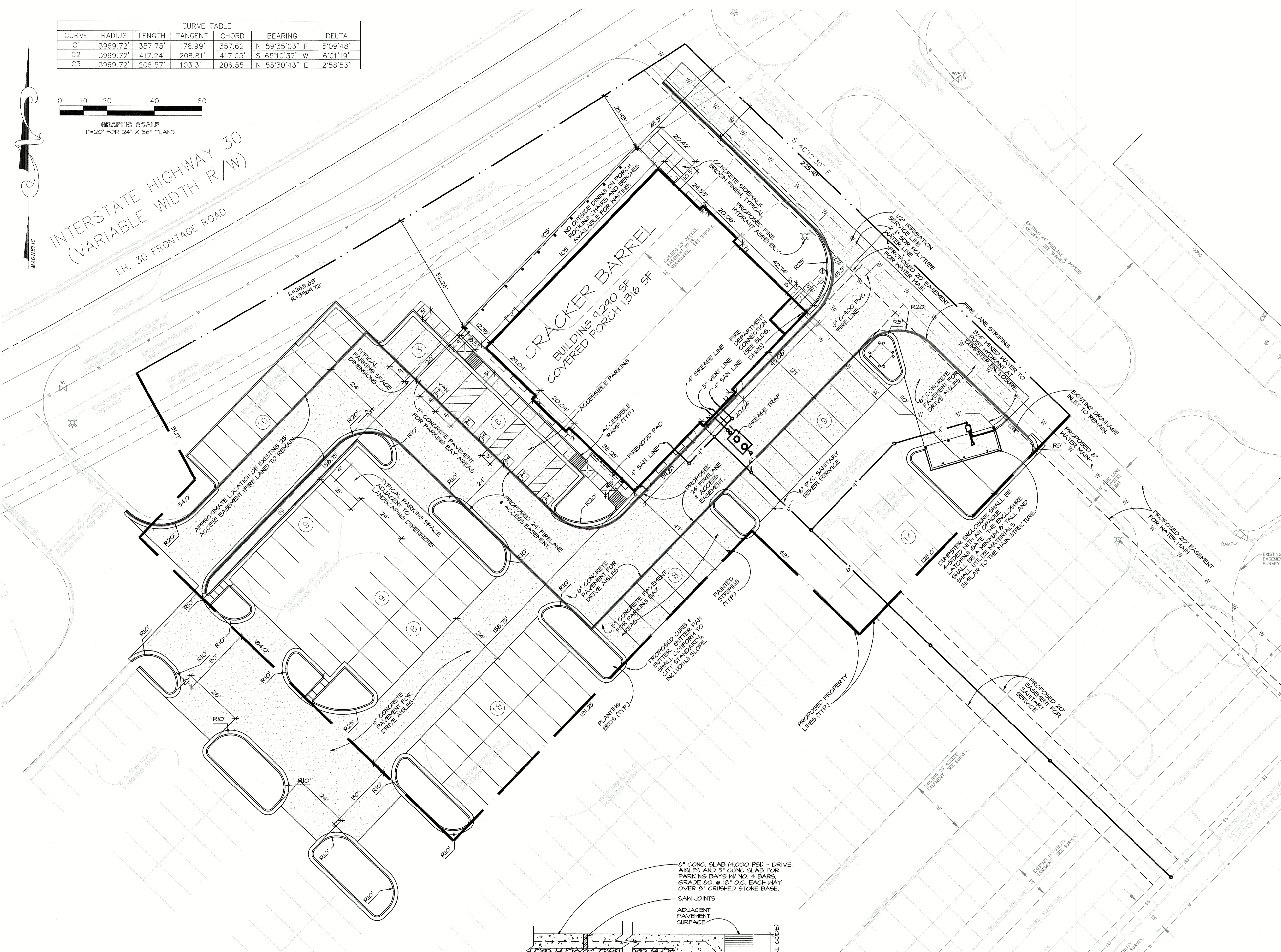


| CURVE TABLE | | | | | |
|-------------|----------|---------|---------|---------|------------------------|
| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA |
| C1 | 3969.72' | 357.75' | 178.99' | 357.62' | N 59°35'03" E 5'09'48" |
| C2 | 3969.72' | 417.24' | 208.81' | 417.05' | S 65°10'37" W 6'01'19"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

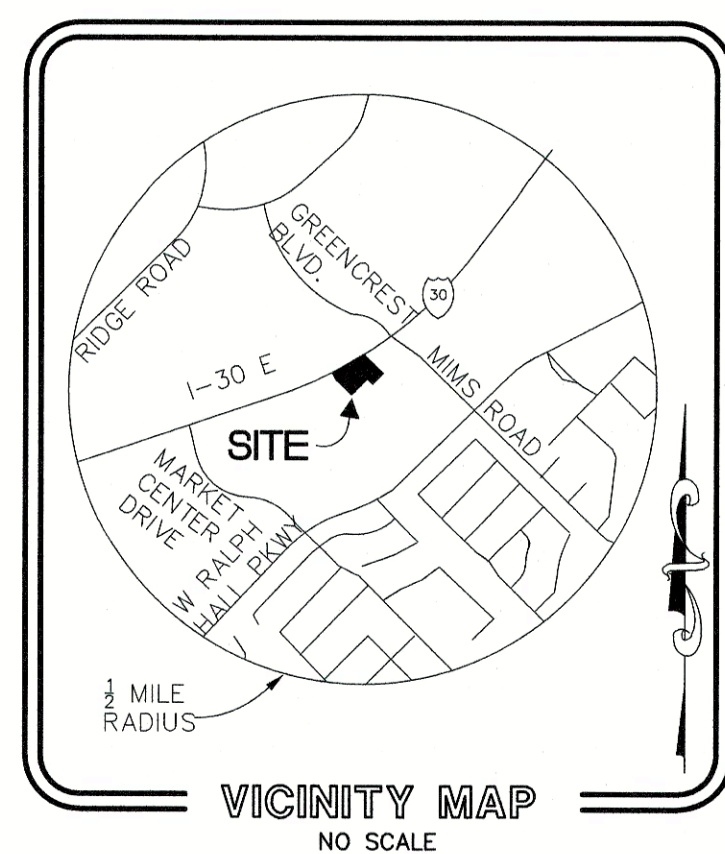


INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD



CONCRETE PAVEMENT DETAIL

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.



| 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 |

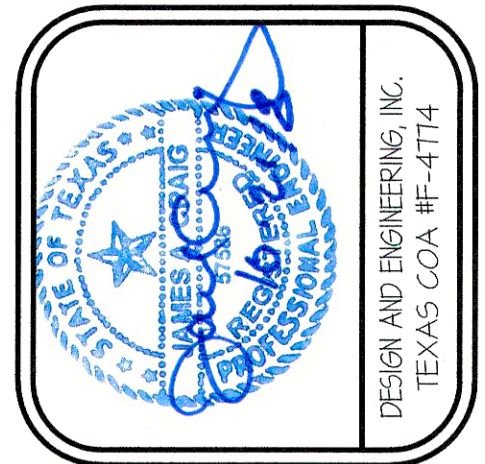
| PARKING SUMMARY | | |
|--------------------|----------|----------|
| USE | REQUIRED | PROVIDED |
| RESTAURANT (TOTAL) | 43 | 44 |
| ACCESSIBLE | 5 | 6 |

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

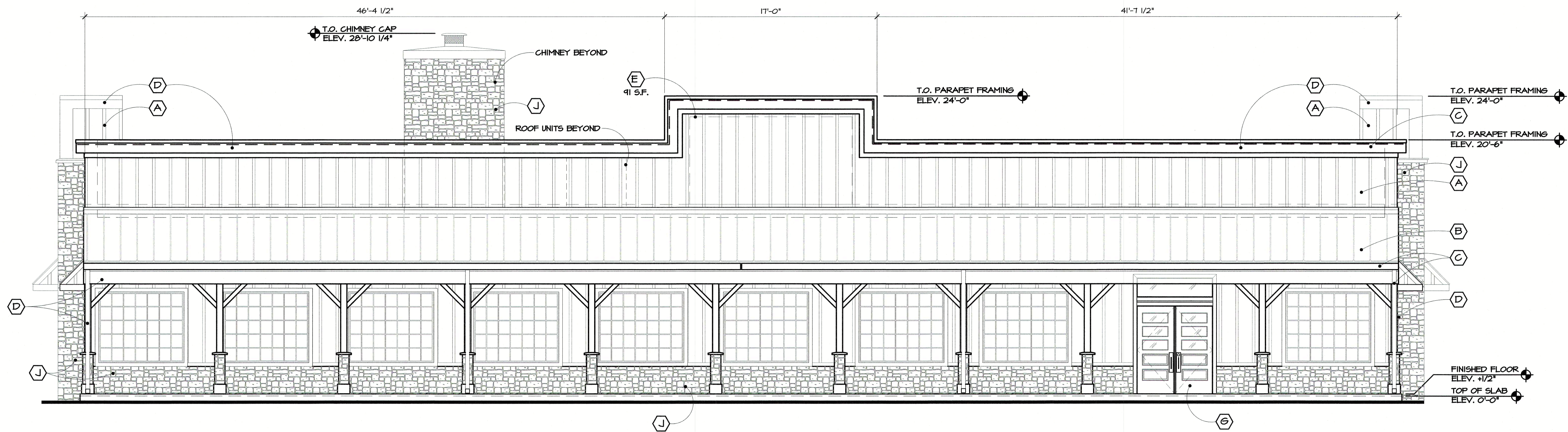
DESIGN and ENGINEERING INC.
1645 Westgate Circle
Brentwood, TN 37027
615-370-1779
fax: 370-9108
www.dandeinc.us
STRUCTURAL AND CIVIL ENGINEERS



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
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.
BLOCK A, LOT 1
CASE NUMBER: SP2018-028

Cracker Barrel
Old Country Store
PLANNING SITE PLAN
PSP
PROTO 180-11F

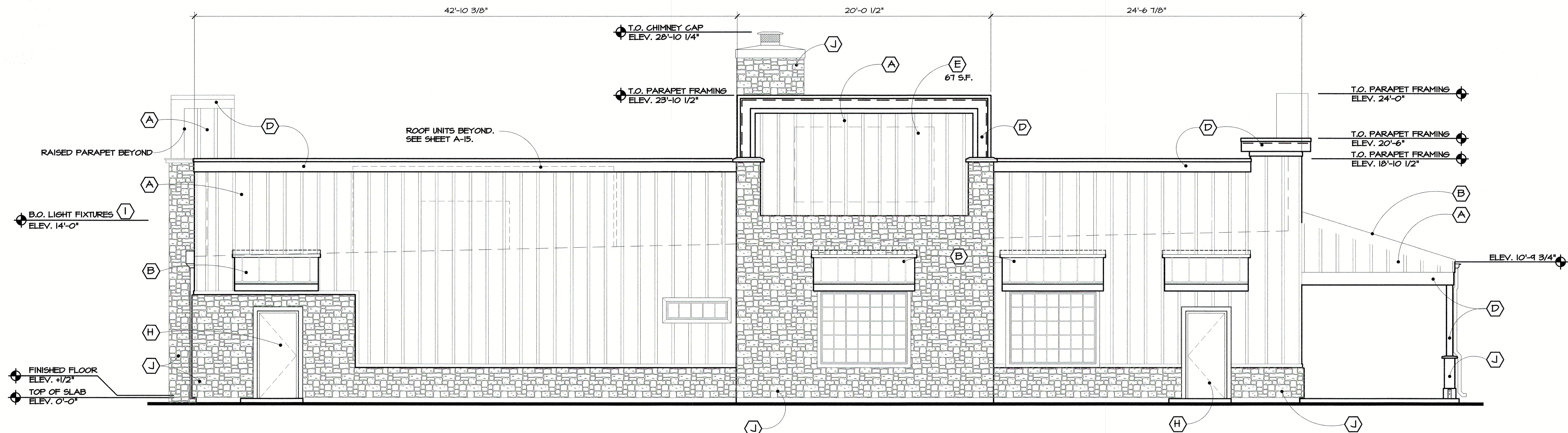
PROPERTY OWNER: KOHL'S ILLINOIS, INC. 1541400 RIDGEWOOD DRIVE MENOMONEE FALLS, WISCONSIN 53051 ERIC BORKENHAGEN (262) 703-1000
OWNER: CBOCS TEXAS LIMITED PARTNERSHIP P.O. BOX 787 LEBANON, TENNESSEE 37088-0787 TELEPHONE: (615) 444-5533
PLANS PREPARED BY: JAMES A. CRAIG, P.E. DESIGN AND ENGINEERING, INC. 1645 WESTGATE CIRCLE BRENTWOOD, TENNESSEE 37027 (615) 370-1774



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

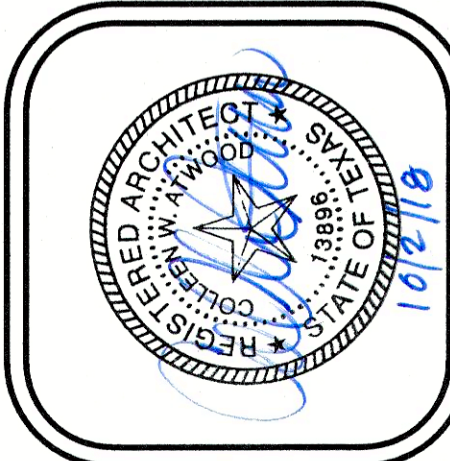
A-4 SCALE 1/4" = 1'-0"

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-1) |
| 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:

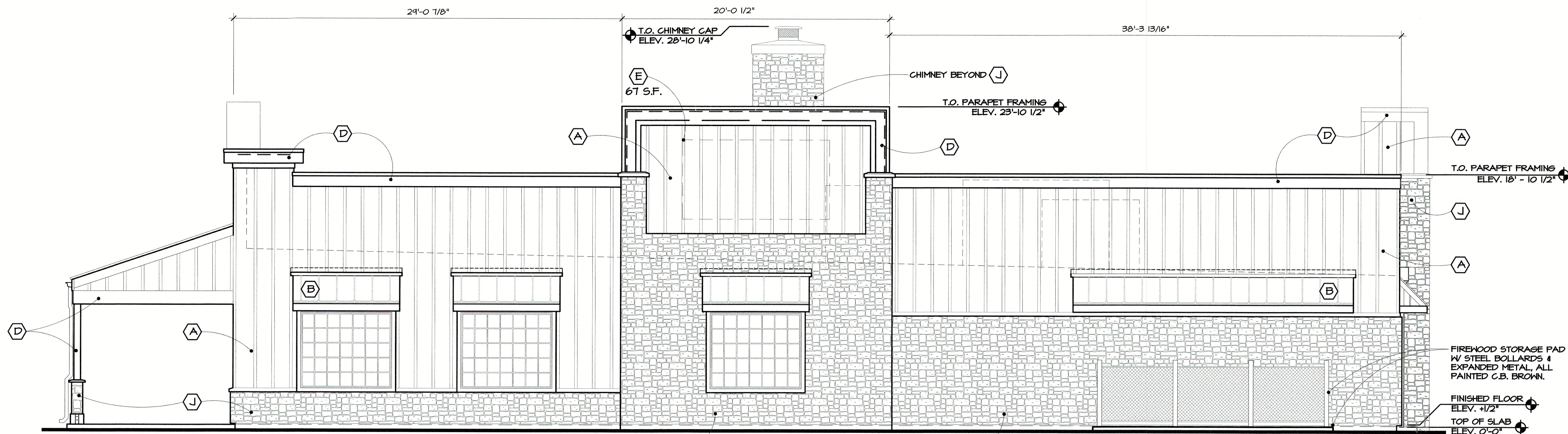
| REVISIONS |
|-----------|
| |
| |
| |

11-16-15



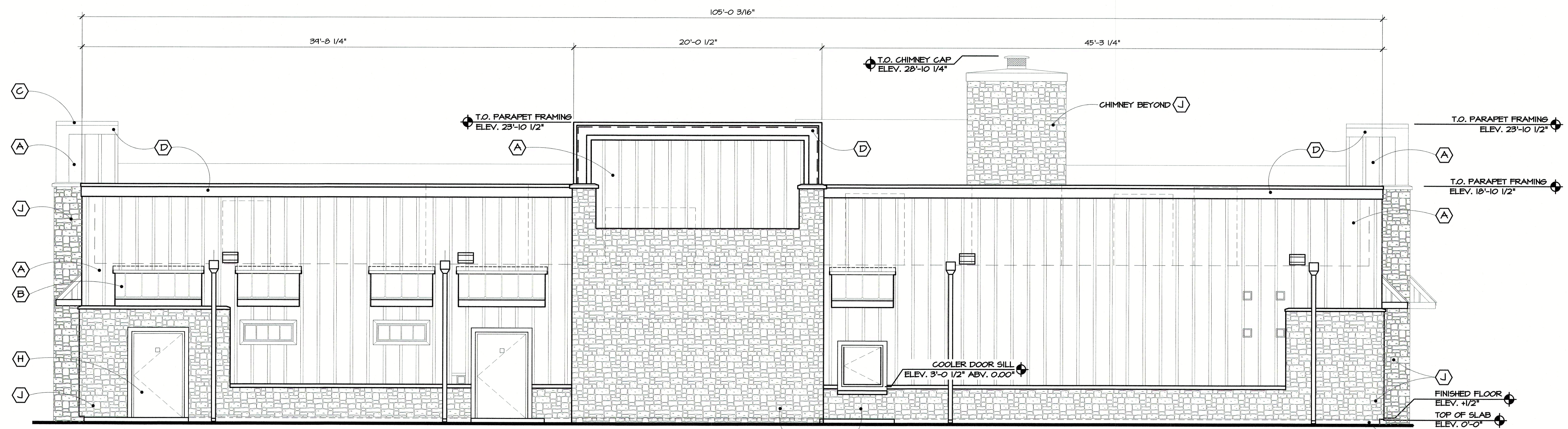
CRACKER BARREL
OLD COUNTRY STORE, INC.
 845 EAST INTERSTATE 30
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER: SP2018-028

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%)

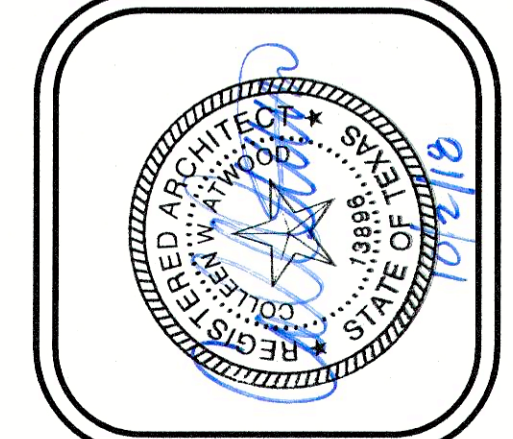
2 **SOUTHEAST ELEVATION**
 SCALE 1/4" = 1'-0"

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: 02767 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 845 EAST INTERSTATE 30
 ROCKWALL, TX 75087
THESE CONSTRUCTION DOCUMENTS ARE THE SOLE PROPERTY OF CRACKER BARREL OLD COUNTRY STORE. THE INFORMATION SHOWN MAY NOT BE USED OR REPRODUCED IN ANY MANNER 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.dandw.com
TN DESIGN and ENGINEERING, INC.

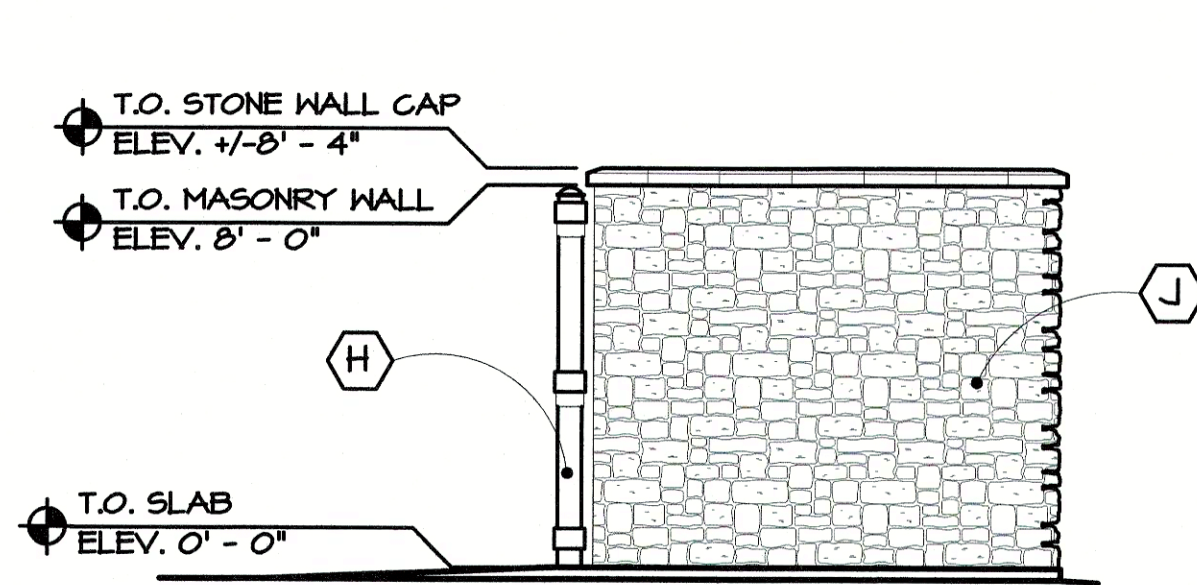
INITIAL DATE: OCT. 1, 2018
 RE-ISSUE DATE:

| REVISIONS |
|-----------|
| |
| |
| |

11-1645

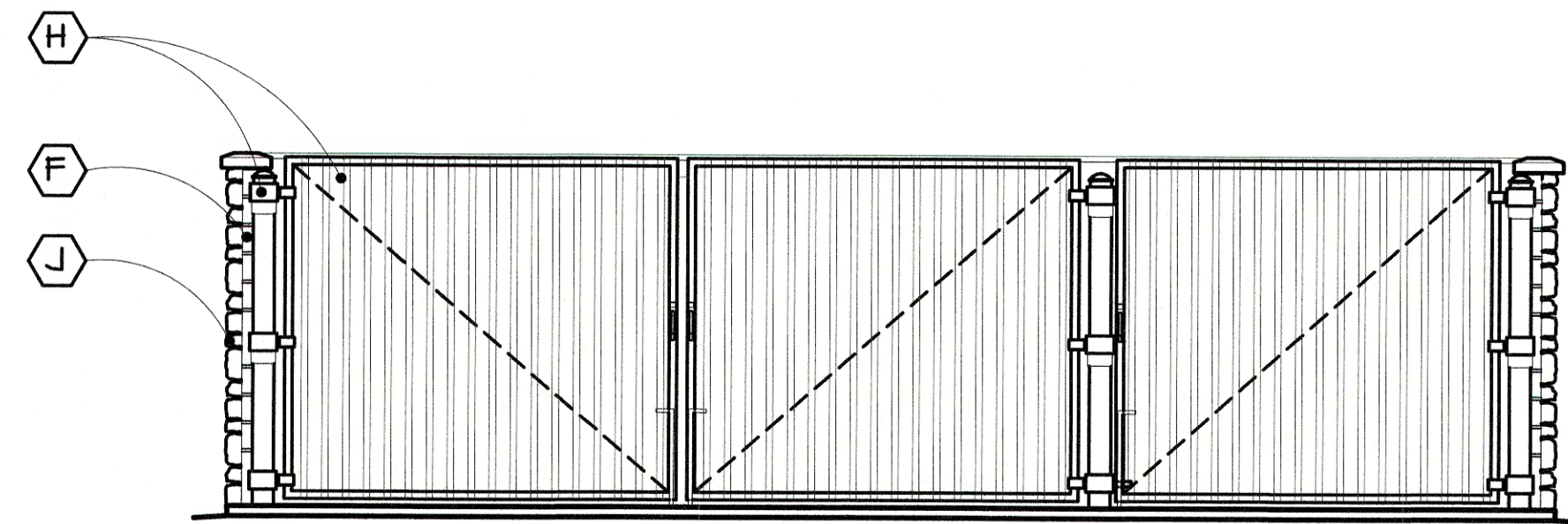
CRACKER BARREL
OLD COUNTRY STORE, INC.
 845 EAST INTERSTATE 30
 ROCKWALL, TEXAS 75087
 BLOCK A, LOT 1
 CASE NUMBER: SP2018-028

Cracker Barrel
 Old Country Store
A-4.1
 EXTERIOR ELEVATIONS
 CB 180 ITF-112



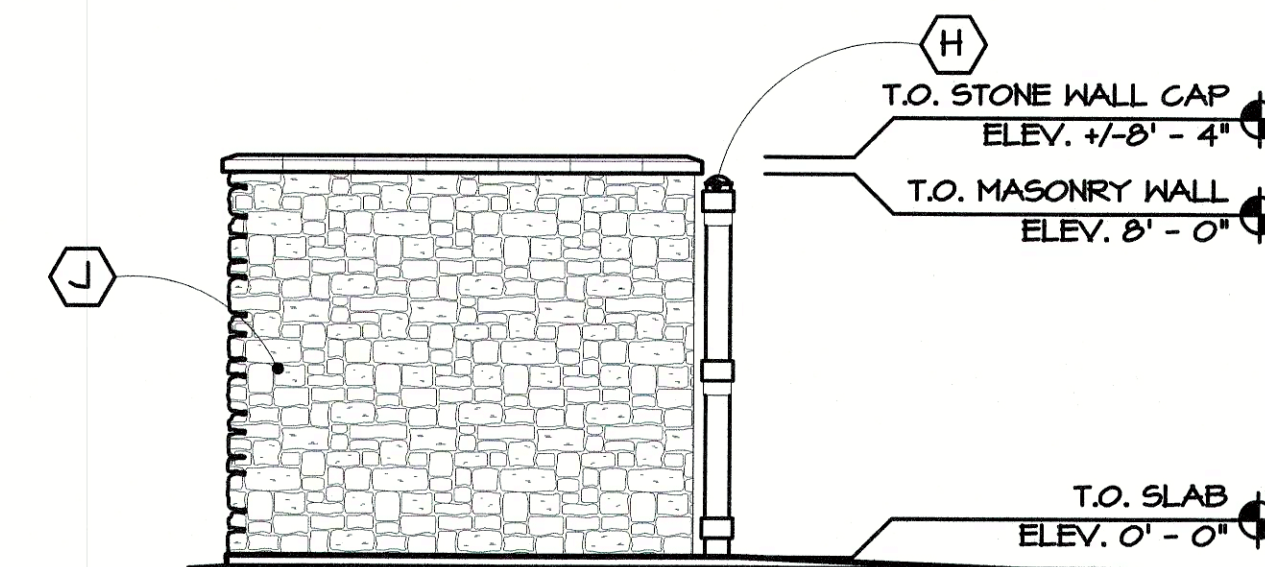
1 WEST ELEVATION

SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA: 80 sf
 J - NATURAL STONE VENEER: 80 sf (100%)



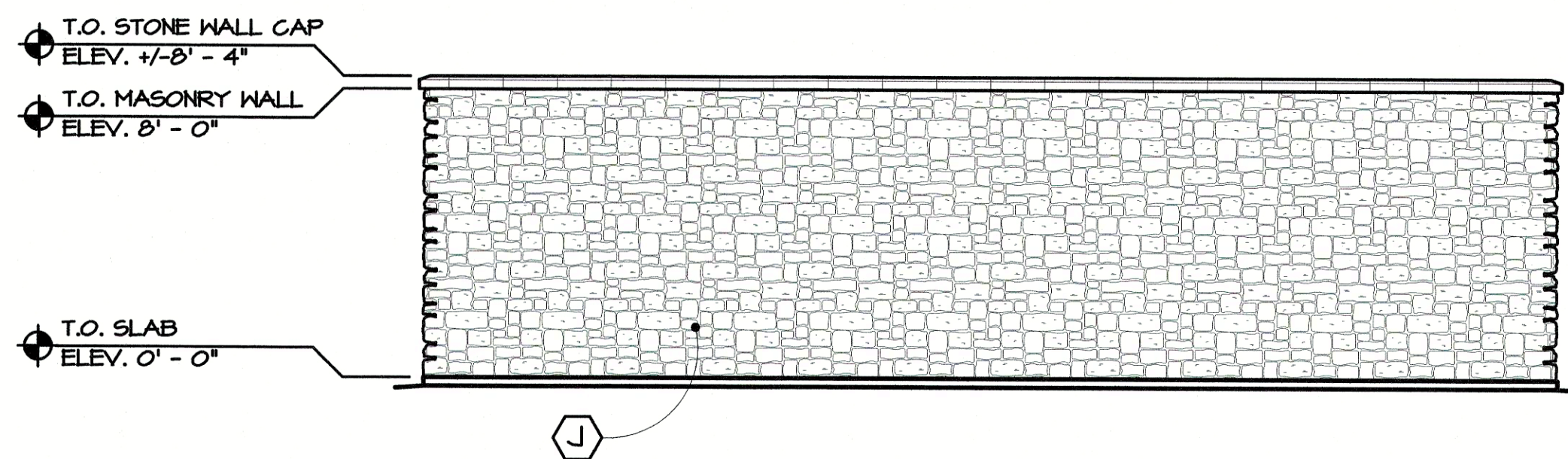
2 NORTH ELEVATION - FACES STREET

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

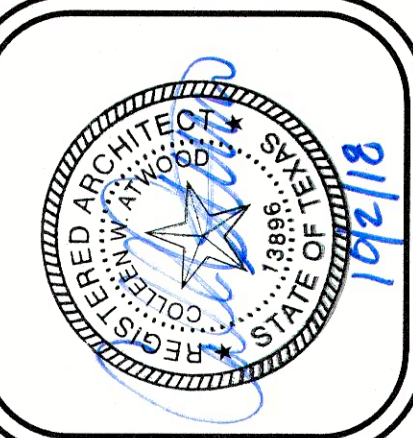
SCALE 1/4" = 1'-0"
 TOTAL MATERIAL AREA: 257 sf
 J - NATURAL STONE VENEER - 257 sf (100%)

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-1611 - ROCKWALL, TX
CRACKER BARREL
OLD COUNTRY STORE
 845 EAST INTERSTATE 30
 ROCKWALL, TX 75087
THESE CONSTRUCTION DOCUMENTS ARE THE PROPERTY OF CRACKER BARREL, OLD COUNTRY STORE & PROPERTY OF CRACKER BARREL, OLD COUNTRY STORE & PROPERTY OF CRACKER BARREL, OLD COUNTRY STORE & PROPERTY OF CRACKER BARREL, OLD COUNTRY STORE.

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

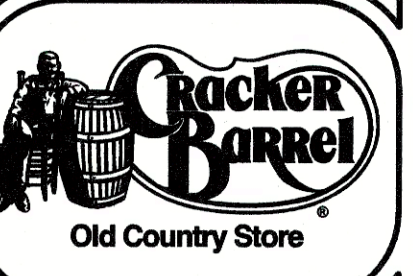


TN DESIGN and ENGINEERING INC.
 1645 Westgate Circle
 Brentwood, TN 37027
 615-370-1779
 fax: 370-9108
 www.dandenginc.us

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



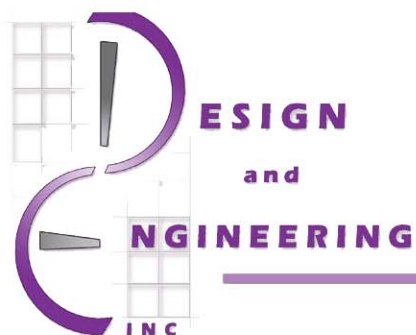
NORTHWEST ELEVATION
FACES STREET



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 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.

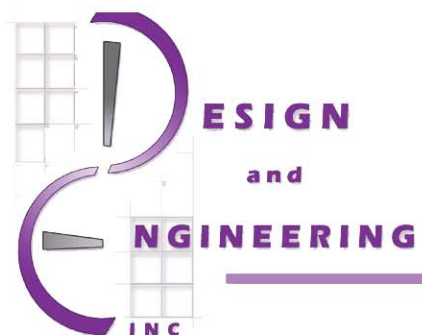


SOUTHWEST ELEVATION
FACES KOHL'S



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

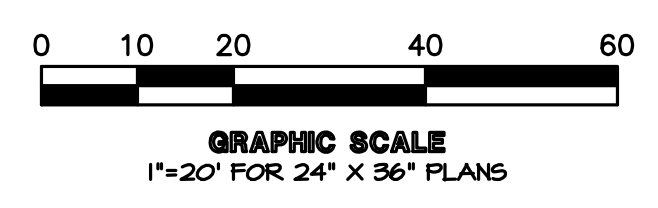
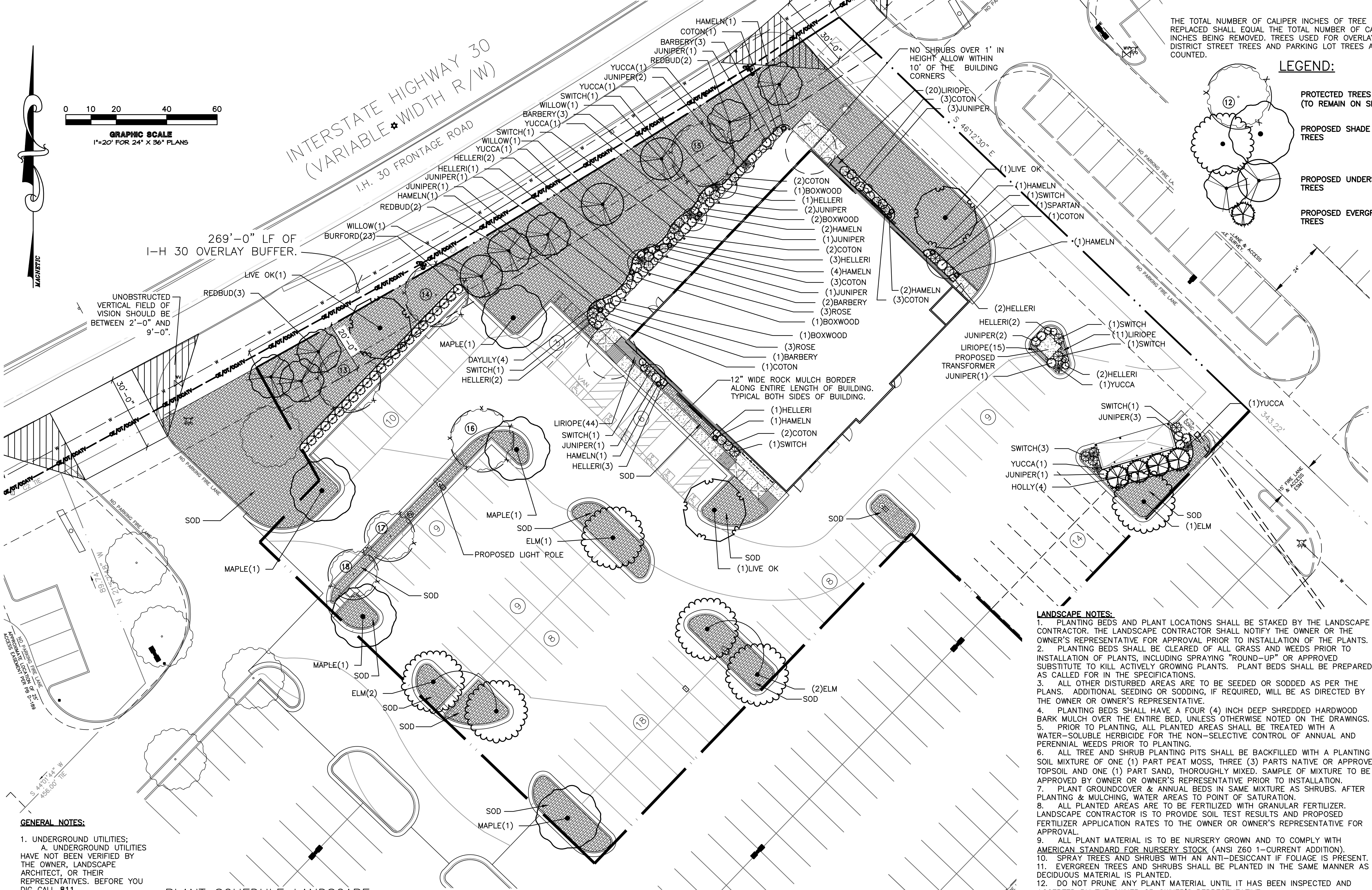
EXTERIOR MATERIALS LEGEND

- 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"



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



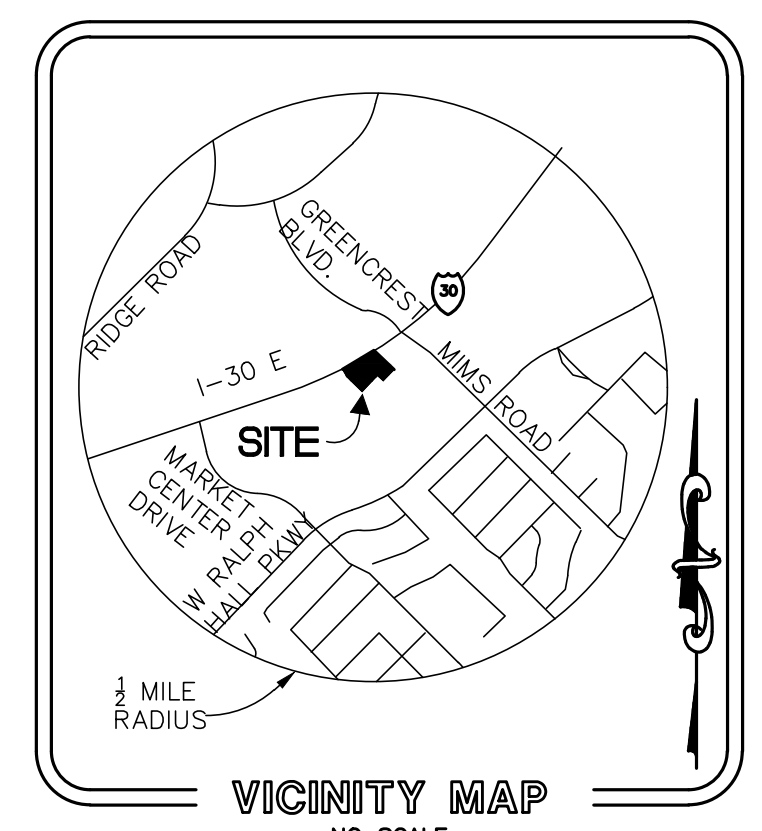
INTERSTATE HIGHWAY 30
(VARIABLE WIDTH R/W)
I.H. 30 FRONTAGE ROAD

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 | CONTOUR | PROPOSED |
| SPOT EL.* | SPOT EL.* | |
| SS - SANITARY SEWER | MANHOLE | |
| N/A - CLEAN OUT | C.O. | |
| W - WATER LINE | | |
| OE - OVERHEAD ELEC. | N/A | |
| N/A - UNDERGROUND ELEC. | | |
| UG - UNDERGROUND GAS | | |
| CBQ - CATCH BASIN | | |
| GV - GATE VALVE | | |
| FH - FIRE HYDRANT | | |
| UP - UTILITY POLE | | |
| LP - LIGHT POLE | | |
| N/A - PARKING COUNT | | |
| N/A - TRANSFORMER PAD | | |
| CONCRETE SURFACE (PAVEMENT OR SIDEWALK) | | |
| NO HATCH | | |
| 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: | 79% |
| 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 |
|---------|-----|-----------------------|------|--------|------------|
| 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 |

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

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.

BLOCK A, LOT 1

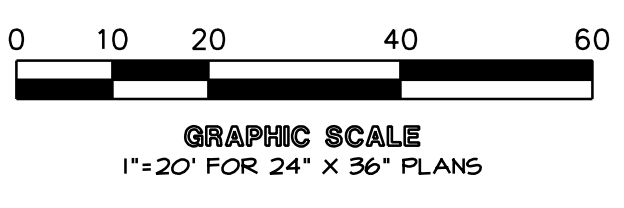
LANDSCAPE PLAN

LP1
PROTO 180-11F

CASE NUMBER: SP2018-028

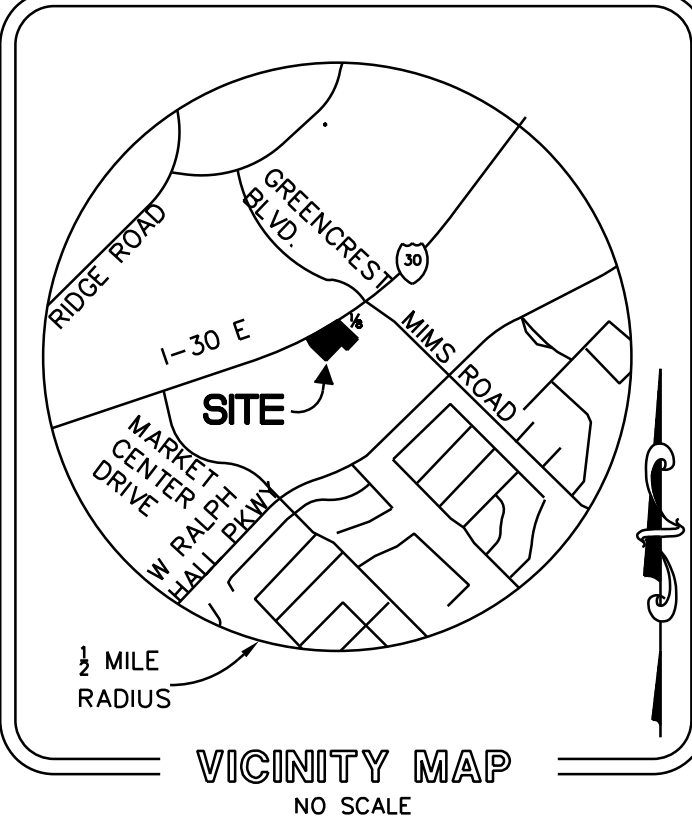
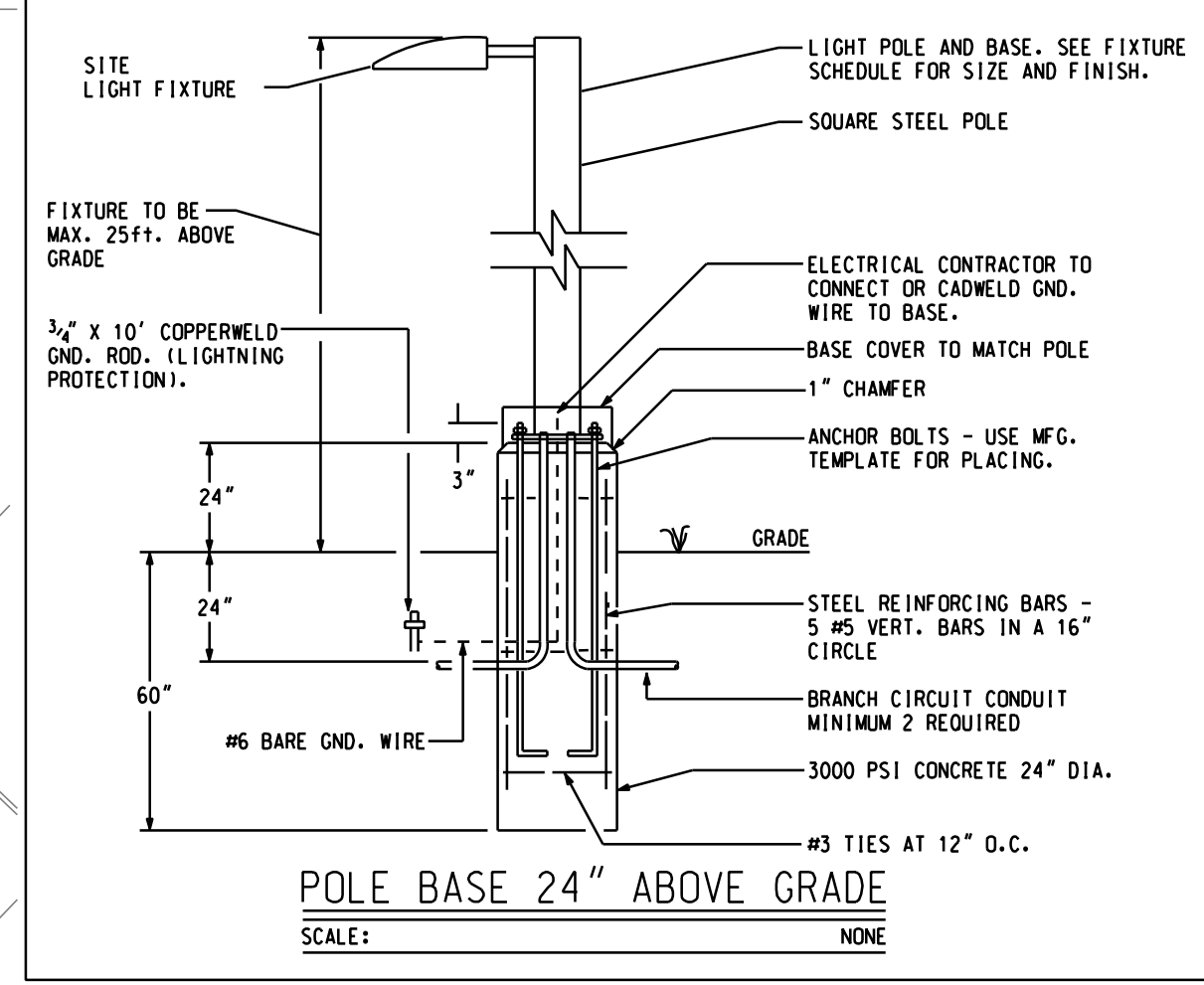
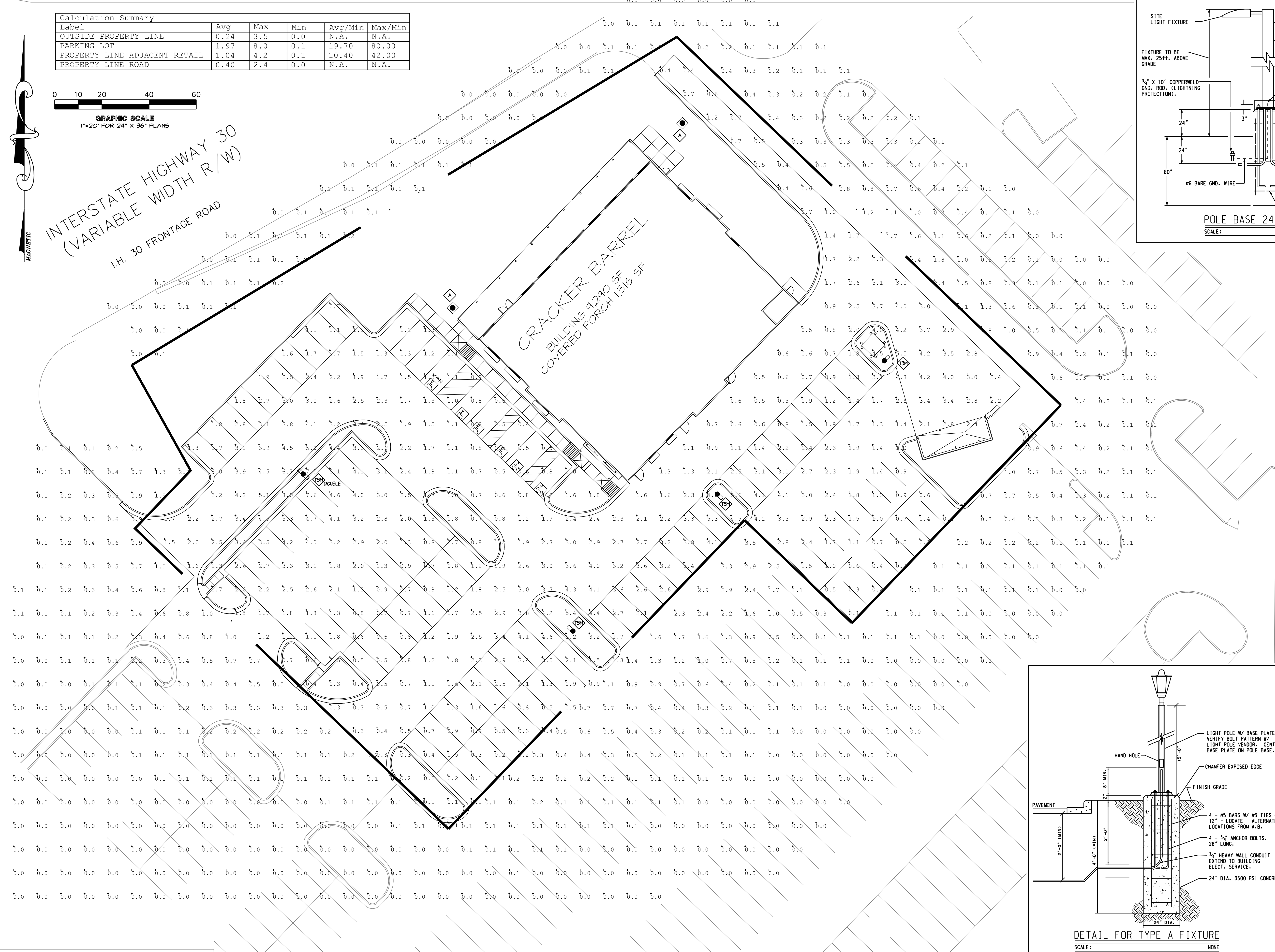
C:\18136\photometrics\18136-PH_001.dwg
10/2/2018
2:11:31 PM

| 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



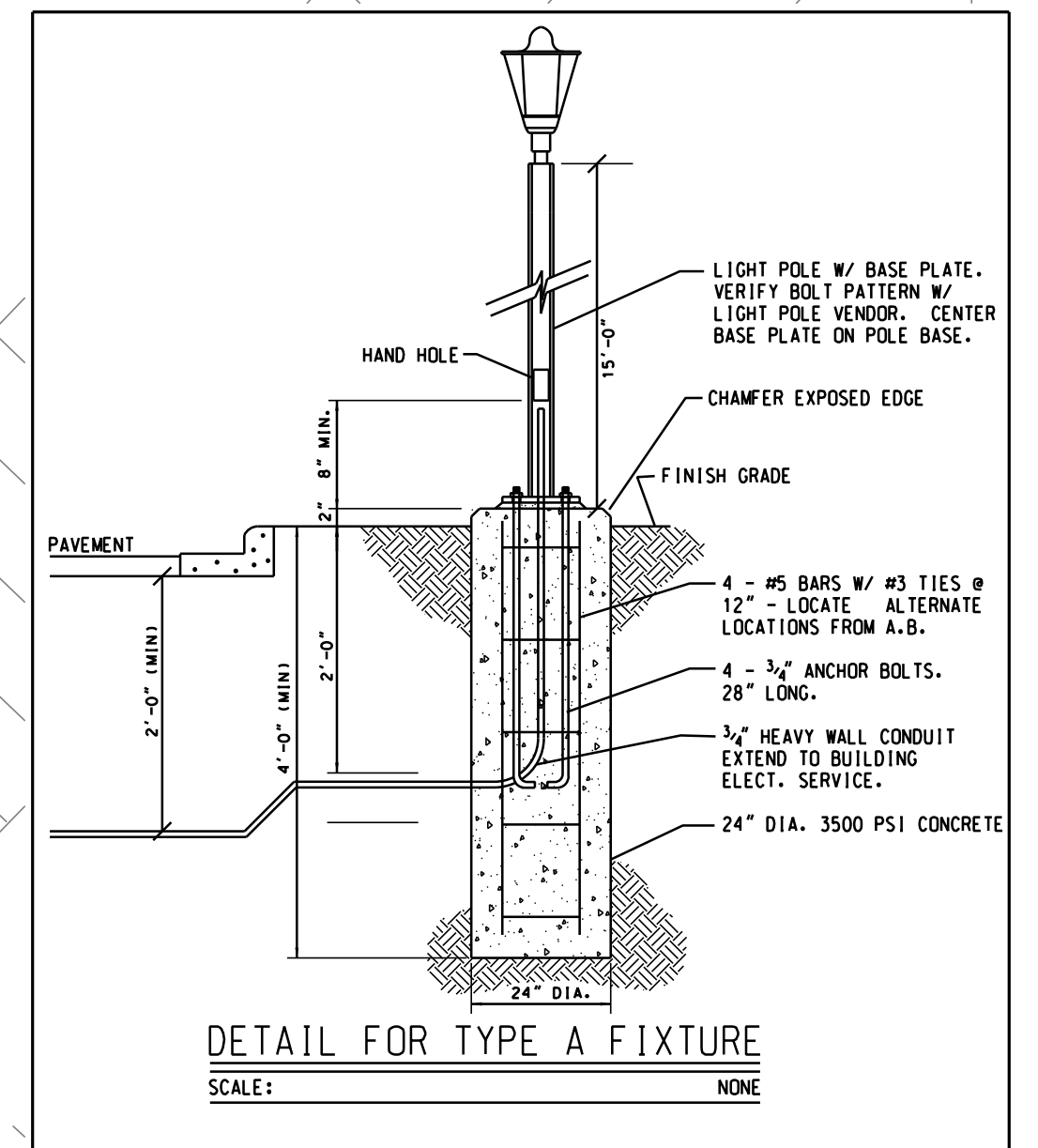
| SITE DATA TABLE | | |
|--------------------------------------|---|----------|
| PROPOSED LAND USE: | COMMERCIAL | |
| ZONING DISTRICT: | C, COMMERCIAL | |
| MAXIMUM PERCENT IMPERVIOUS REQUIRED: | 85% | |
| PERCENT IMPERVIOUS PROVIDED: | 74% | |
| PARKING LOT LANDSCAPE AREA: | 3,461 SF / 45,624 SF =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

These construction documents are the exclusive property of Cracker Barrel Old Country Store, Inc. The information shown may not be used on the drawings reproduced without written permission of Cracker Barrel Old Country Store, Inc.
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 | | | 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)



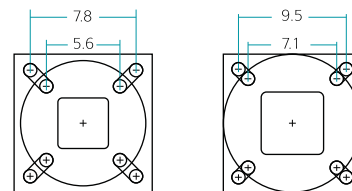
| TOP TYPE | |
|----------|------------------------------|
| 1 | 23/8" OD Tenon ² |
| 5 | Removable Tenon ² |
| 6 | Side mount |

| 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.

| 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

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

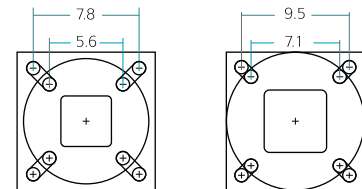
Performance Designed Lighting Products

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

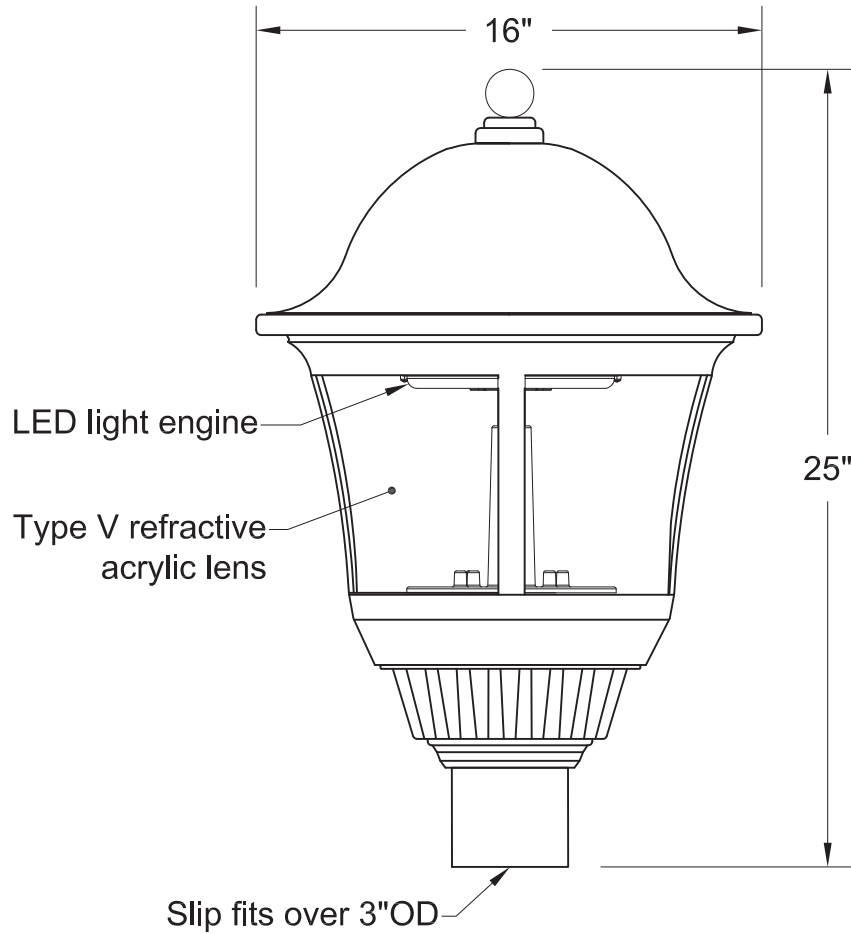
| FINISH | |
|-----------|---------------------------|
| DB | Dark Bronze |
| BK | Black |
| WH | White |
| PS | Platinum Silver |
| 00 | Natural Galvanized Finish |

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>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

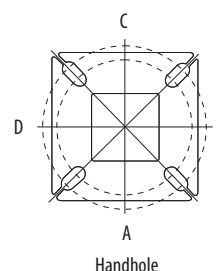
ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example: SSS 20 5C DM19 DDB**

| 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:

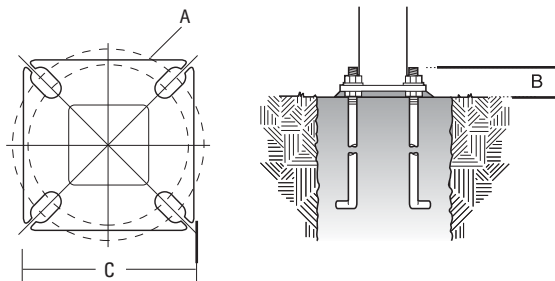
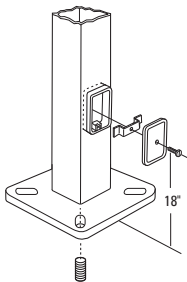
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective 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.

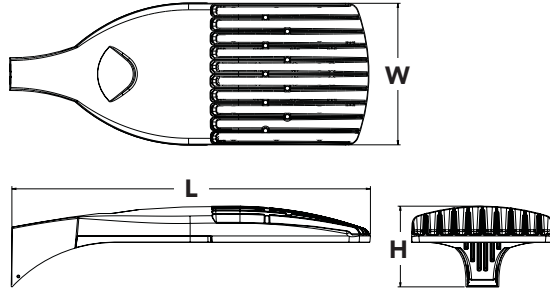
Introduction

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 | 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 |
| 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 |

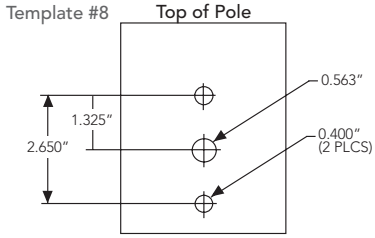
NOTES

- 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.

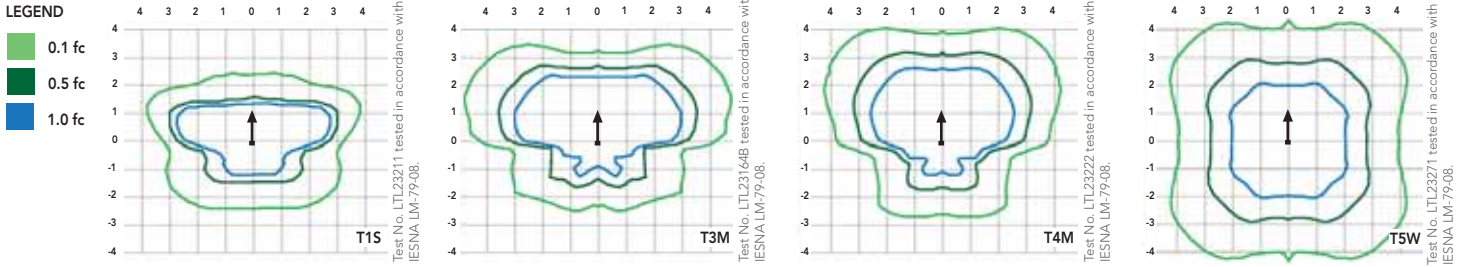
Tenon Mounting Slipfitter **

| 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.

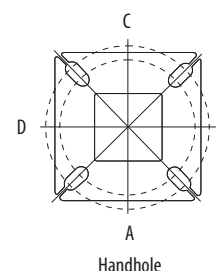
Example: SSS 20 5C DM19 DDB

| 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><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:

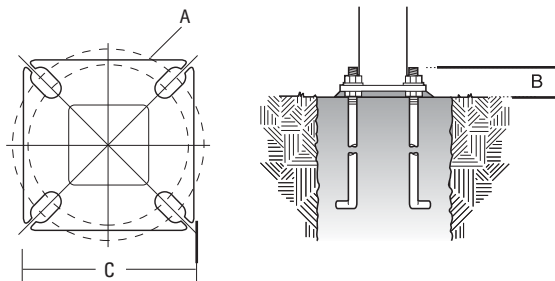
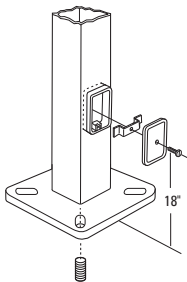
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective 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



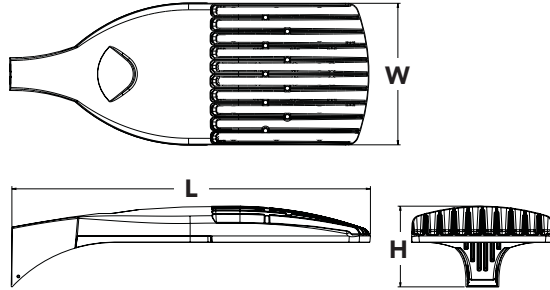
| | |
|----------------|---------------------------------|
| Catalog Number | DSX1-LED-60C-1000-40K-T3M-MVOLT |
| Notes | |
| Type | |

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 | 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 | DBBXTD Textured dark bronze |
| DCR Dimmable and controllable via ROAM® (no controls) ¹⁰ | L90 Left rotated optics ¹⁹ | DBLBSD 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 |

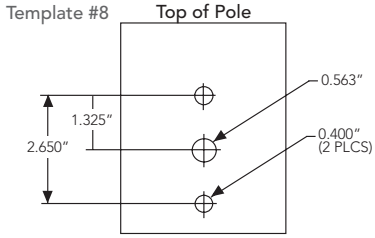
For more control options, visit [DTL](#) and [ROAM](#) online.

- ### 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.

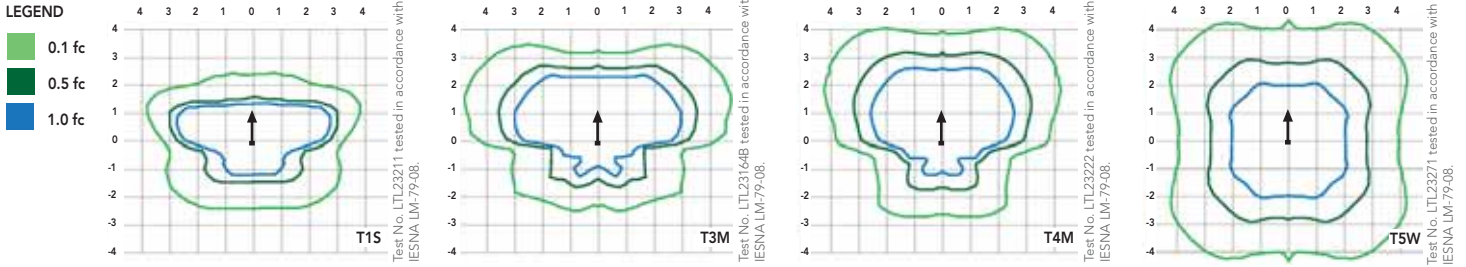
Tenon Mounting Slipfitter **

| 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 | | | |
| | | | T5S | 8,150 | 2 | 0 | 0 | 120 | 8,751 | 3 | 0 | 0 | 129 | 8,806 | 3 | 0 | 0 | 130 | 4,863 | 2 | 0 | 0 | 72 | | | |
| | | | T5M | 8,164 | 3 | 0 | 1 | 120 | 8,767 | 3 | 0 | 2 | 129 | 8,821 | 3 | 0 | 2 | 130 | 4,924 | 3 | 0 | 1 | 72 | | | |
| | | | T5W | 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 | | | | | | | | |
| | T5S | 11,145 | | | 3 | 0 | 1 | 106 | 11,968 | 3 | 0 | 1 | 114 | 12,043 | 3 | 0 | 1 | 115 | | | | | | | | |
| | T5M | 11,165 | | | 3 | 0 | 2 | 106 | 11,989 | 4 | 0 | 2 | 114 | 12,064 | 4 | 0 | 2 | 115 | | | | | | | | |
| | T5W | 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 | | | |
| T5S | | | 10,771 | 3 | | 0 | 1 | 121 | 11,566 | 3 | 0 | 1 | 130 | 11,639 | 3 | 0 | 1 | 111 | 6,411 | 2 | 0 | 0 | 72 | | | |
| T5M | | | 10,790 | 3 | | 0 | 2 | 121 | 11,587 | 4 | 0 | 2 | 130 | 11,659 | 4 | 0 | 2 | 111 | 6,492 | 3 | 0 | 1 | 73 | | | |
| T5W | | | 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 | | | | | | | | |
| | | T5S | | 14,731 | 3 | 0 | 1 | 107 | 15,818 | 3 | 0 | 1 | 115 | 15,917 | 3 | 0 | 1 | 115 | | | | | | | | |
| | | T5M | | 14,757 | 4 | 0 | 2 | 107 | 15,846 | 4 | 0 | 2 | 115 | 15,945 | 4 | 0 | 2 | 116 | | | | | | | | |
| | | T5W | | 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 | | | |
| T5S | 15,852 | | 3 | | | 0 | 1 | 115 | 17,022 | 4 | 0 | 1 | 123 | 17,129 | 4 | 0 | 1 | 124 | 9,544 | 3 | 0 | 1 | 73 | | | |
| T5M | 15,880 | | 4 | | | 0 | 2 | 115 | 17,052 | 4 | 0 | 2 | 124 | 17,159 | 4 | 0 | 2 | 124 | 9,665 | 3 | 0 | 2 | 74 | | | |
| T5W | 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 | | | | | | | | |
| | | | T5S | 21,679 | 4 | 0 | 1 | 104 | 23,280 | 4 | 0 | 1 | 111 | 23,425 | 4 | 0 | 1 | 112 | | | | | | | | |
| | | | T5M | 21,717 | 4 | 0 | 2 | 104 | 23,321 | 5 | 0 | 3 | 112 | 23,466 | 5 | 0 | 3 | 112 | | | | | | | | |
| | | | T5W | 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.

