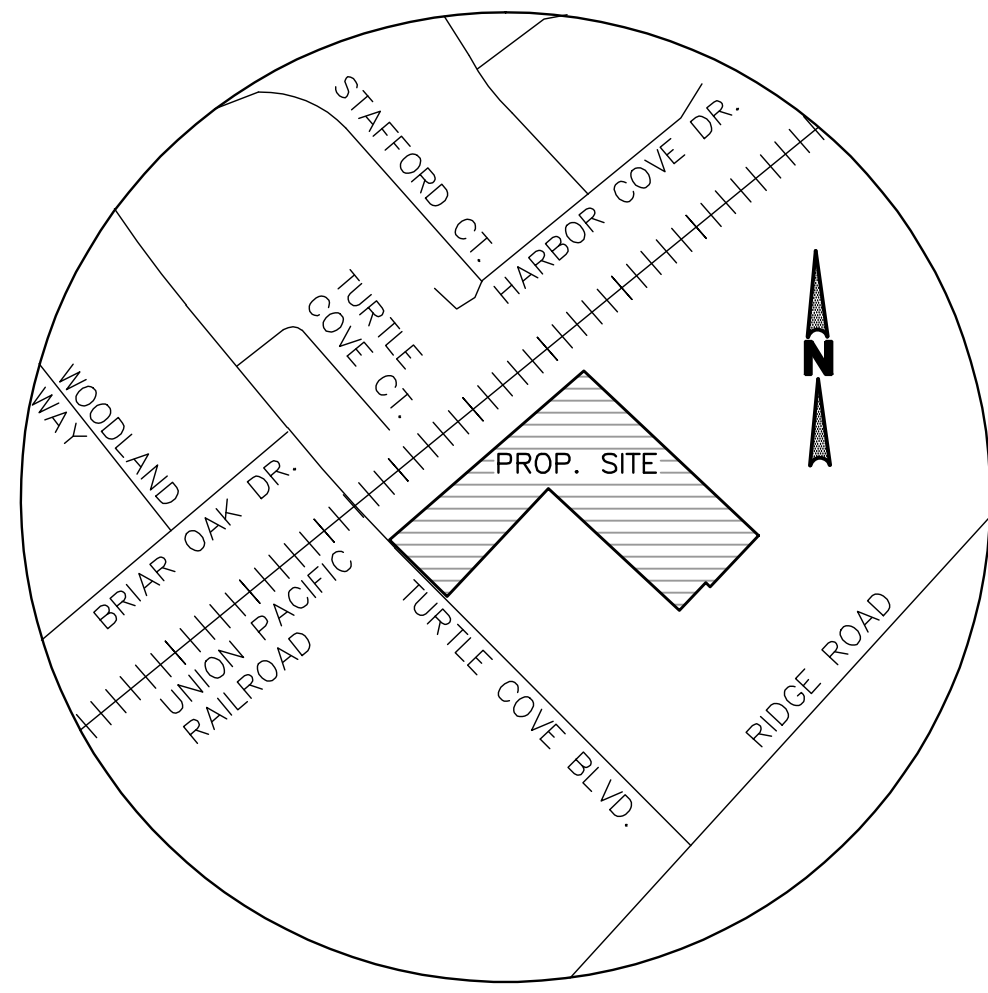


LEGEND

| | | | |
|-------|---------------------------------|------|--|
| TC | EXISTING TOP OF CURB | GW | EXISTING GUY WIRE |
| TSW | EXISTING TOP OF SIDEWALK | W | EXISTING WATER LINE |
| GT | EXISTING GUTTER | SS | EXISTING SANITARY SEWER LINE |
| TELP | EXISTING TELEPHONE PEDESTAL | STM | EXISTING STORM WATER LINE |
| BL | EXISTING BOLLARD | X | EXISTING CHAINLINK FENCE |
| INLET | EXISTING CURB INLET | G | EXISTING GAS LINE |
| PP | EXISTING POWER POLE | OHE | EXISTING OVERHEAD POWER LINE |
| WV | EXISTING WATER VALVE | 675 | EXISTING CONTOUR |
| LP | EXISTING LIGHT POST | Ⓟ | PARKING COUNTS |
| GM | EXISTING GAS METER | VAM | VISIBILITY ACCESS MAINTENANCE EASEMENT |
| FH | EXISTING FIRE HYDRANT | ● FH | PROPOSED FIRE HYDRANT |
| Ⓢ | EXISTING SANITARY SEWER MANHOLE | | |
| Ⓢ | PROPOSED STREET LIGHT | | |

- DUMPSTER NOTES:**
- DUMPSTER TO BE SCREENED BY EIGHT FEET, MATERIALS MATCHING THE MAIN STRUCTURE, WITH SELF-LATCHING OPAQUE GATE.
 - DUMPSTER TO DRAIN TO AN OIL/WATER SEPARATOR AND THEN TO THE STORM SYSTEM.

PROPERTY OWNER WILL BE RESPONSIBLE FOR MAINTAINING, REPAIR, AND REPLACEMENT OF THE DETENTION/DRAINAGE SYSTEM

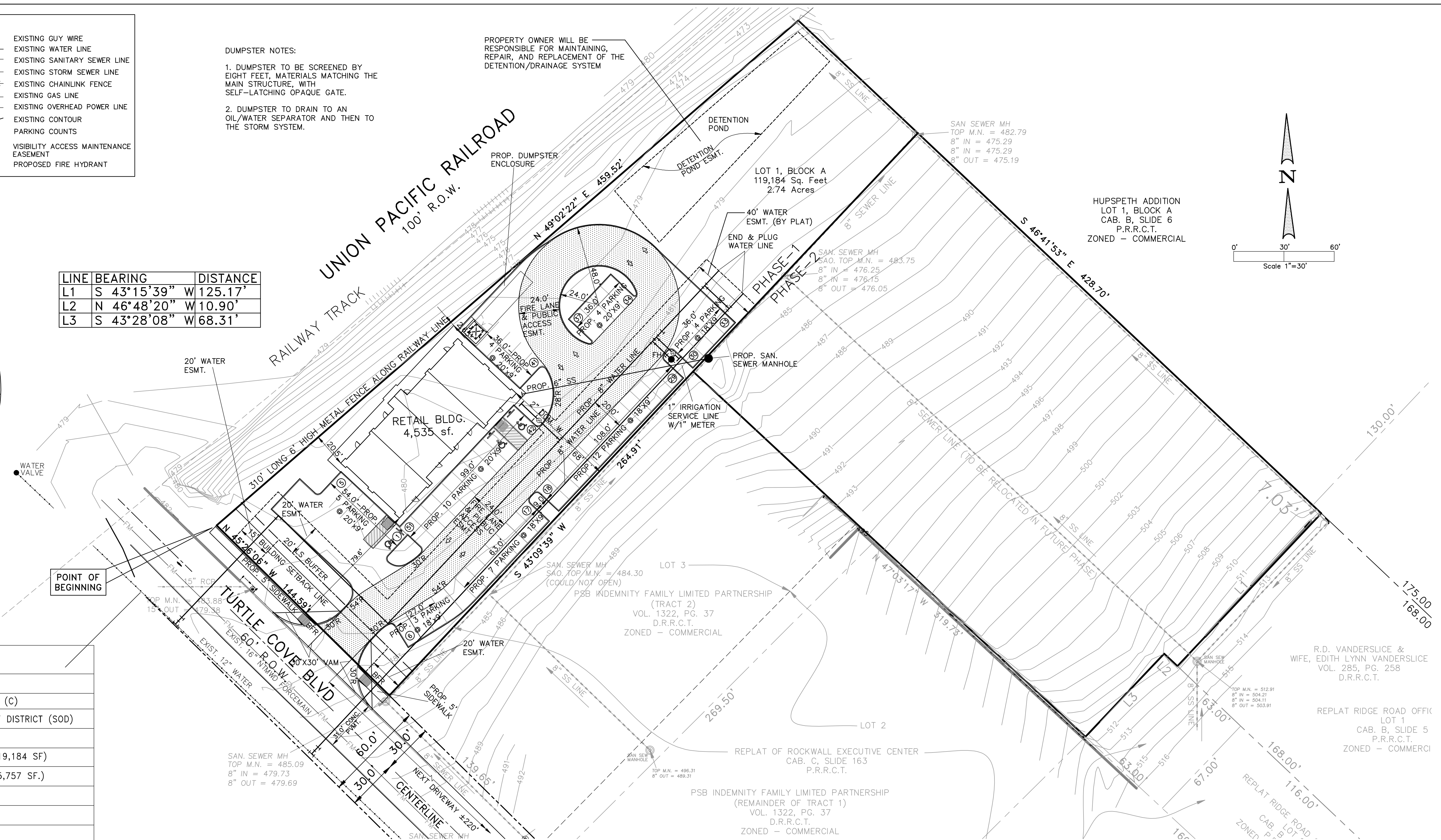


| LINE BEARING | DISTANCE |
|------------------|----------|
| L1 S 43°15'39" W | 125.17' |
| L2 N 46°48'20" W | 10.90' |
| L3 S 43°28'08" W | 68.31' |

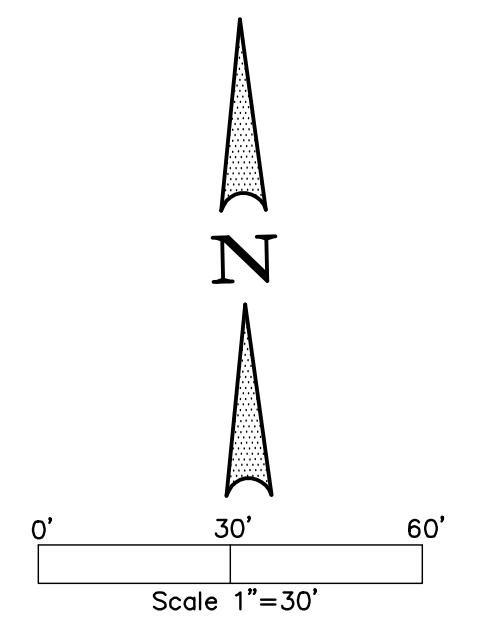
VICINITY MAP N.T.S

SITE DATA TABLE

| DESCRIPTION | |
|----------------------------------|-------------------------------|
| ZONING (FROM ZONING MAP) | COMMERCIAL (C) |
| OVERLAY DISTRICT | SCENIC OVERLAY DISTRICT (SOD) |
| LAND USE (FROM ZONING ORDINANCE) | RETAIL |
| LOT AREA TOTAL | 2.74 AC. (119,184 SF) |
| LOT AREA PHASE-1 | 1.28 AC. (55,757 SF.) |
| BUILDING AREA PHASE-1 | 4,535 SF. |
| LOT COVERAGE | 55.33% |
| FLOOR AREA RATIO | 0.0813:1 |
| BUILDING HEIGHT | ONE STORY (29'-8" MAX.) |
| RETAIL AREA | 2,263 SF. |
| ASSEMBLY (WORSHIP) | 2,267 SF |
| WORSHIP OCCUPANTS | 120 M + 30 W = 150 TOTAL |
| RETAIL OCCUPANTS | 2,268/60 = 38 |
| PARKING REQUIRED (WORSHIP) | 150/4 = 38 |
| PARKING REQUIRED (RETAIL) | 2,268/200 = 12 |
| TOTAL PARKING REQUIRED | 38+12=50 SPACES |
| PARKING PROVIDED | 51 SPACES INCLUDING 3 ADA |
| PERVIOUS AREA | 24,908 SF. |
| IMPERVIOUS AREA | 30,849 SF |
| LANDSCAPE AREA REQUIRED | 8,364 SF (15%) |
| LANDSCAPE AREA PROVIDED | 24,908 SF |



HUPSPETH ADDITION
LOT 1, BLOCK A
CAB. B, SLIDE 6
P.R.R.C.T.
ZONED - COMMERCIAL



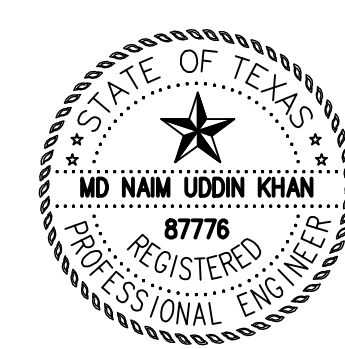
OWNER
Centers for Peace & Mercy, Inc.
Contact: Abdul Latif Khan (President)
4152 Green Field Drive
Richardson, TX 75082
PH. 318-617-3491

SURVEYOR
CBG SURVEYING, LLC
Contact: Bryan Conally
12025 Shiloh Road, Suite 230
Dallas, Texas 75228
PH: 214 349 9485

CIVIL ENGINEER
ND & ASSOCIATES, LLC
Contact: Naim Khan, P.E. CFM
2105 Canyon Creek Dr.
Garland, Texas 75042
PH: 214 533 7181
E-MAIL: naim1207@yahoo.com

ARCHITECT
amazing concept
Contact: Ahmed Helaluzzaman
12300 Ford Road, Suite 267
Dallas, Texas 75234
PH. 817 808 0811
E-MAIL: akm.hellaluzzaman@gmail.com

LANDSCAPE ARCHITECT
ARODS LANDSCAPE
Contact: Mohammad Salam
5901 Indian Hills Drive
GARLAND, TX 75044
PH. 214-403-2034



Md. Naim Uddin Khan
Md. Naim Uddin Khan 06-12-19
ENGINEER NO. 87776. THESE PLANS WERE PREPARED UNDER THE RESPONSIVE SUPERVISION OF MD. NAIM UDDIN KHAN REGISTERED PROFESSIONAL ENGINEER. THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MD. NAIM UDDIN KHAN P.E. #87776

| | | | |
|--|--|------------------------------------|--|
| SITE PLAN SP 2019-014 | | Scale: 1"=30' | |
| CENTERS FOR PEACE & MERCY, INC. LOT 1, BLOK A E.P. GAINES CHISUM SURVEY ABSTRACT NO. 64 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS 119,184 SF/2.74 ACRES | | Date : 6/12/2019 | |
| | | Design : ND | |
| | | Draft : ND | |
| | | Checked : ND | |
| | | PROJECT NO : ROCK2019-725 | |
| ND & Associates, LLC 2105 Canyon Creek Drive Garland, Texas 75042 Contact: Naim Khan, P.E., CFM PH: (214) 533 7181 EMAIL: naim1207@yahoo.com FIRM # F - 13340 | | SITE PLAN C-1 | |

CONTACTS:

MEP ENGINEERS:
 WAHEED CONSULTING
 420 Parkside St.
 Murphy, TX 75094
 PHONE: (817) 793-2010
 CONTACT: M. A. WAHEED

OWNER/DEVELOPER:
 CENTERS FOR PEACE & MERCY, INC.
 ABDUL LATIF KHAN, President
 4152 Greenfield Drive
 Richardson, TX 75082
 PHONE: (318) 617-3491

SURVEYOR:
 CBG SURVEYING, LLC.
 12025 Shiloh Road, Ste 230
 Dallas, TX 75228
 PHONE: (214) 349-9485
 CONTACT: BRYAN CONALLY

CIVIL ENGINEER:
 DESIGN DEVELOPMENT CONSULT.
 2308 KITTY HAWK DR.
 PLANO, TX 75025
 PHONE: (214)-533-7181

ARCHITECT:
 AMAZING CONCEPT LLC.
 545 COVENTRY DR.
 Grapevine, Tx 76051
 PHONE: (817) 808-0811
 CONTACT: AHMED HELALUZZAMAN
 Designer,
 Email: akm.helaluzzaman@gmail.com

AROIDS LANDSCAPE ARCHITECTS
 5901 INDIAN HILLS DR.
 GARLAND, TX 75044
 PHONE: (214)-329-6491

CONTACT: NAIM KHAN, PE CONTACT: MOHAMMED ABDUS SALAM

| SITE DATA TABLE | |
|----------------------------------|---------------------------|
| DESCRIPTION | |
| ZONING (FROM ZONING MAP) | |
| LAND USE (FROM ZONING ORDINANCE) | |
| LOT AREA TOTAL | 2.74 AC. (119,184 SF.) |
| LOT AREA PHASE-1 | 1.28 AC. (55,757 SF.) |
| BUILDING AREA PHASE-1 | 4,535 SF. |
| COVERED AREA PHASE-1 | 8.13% |
| FLOOR AREA RATIO | 0.038:1 |
| BUILDING HEIGHT | ONE STORY (29'-8" MAX.) |
| PARKING REQUIRED | 50 SPACES INCLUDING 3 ADA |
| PARKING PROVIDED | 52 SPACES INCLUDING 3 ADA |



DARK BRONZE FRAMES, PARAPET CAP & CANOPY



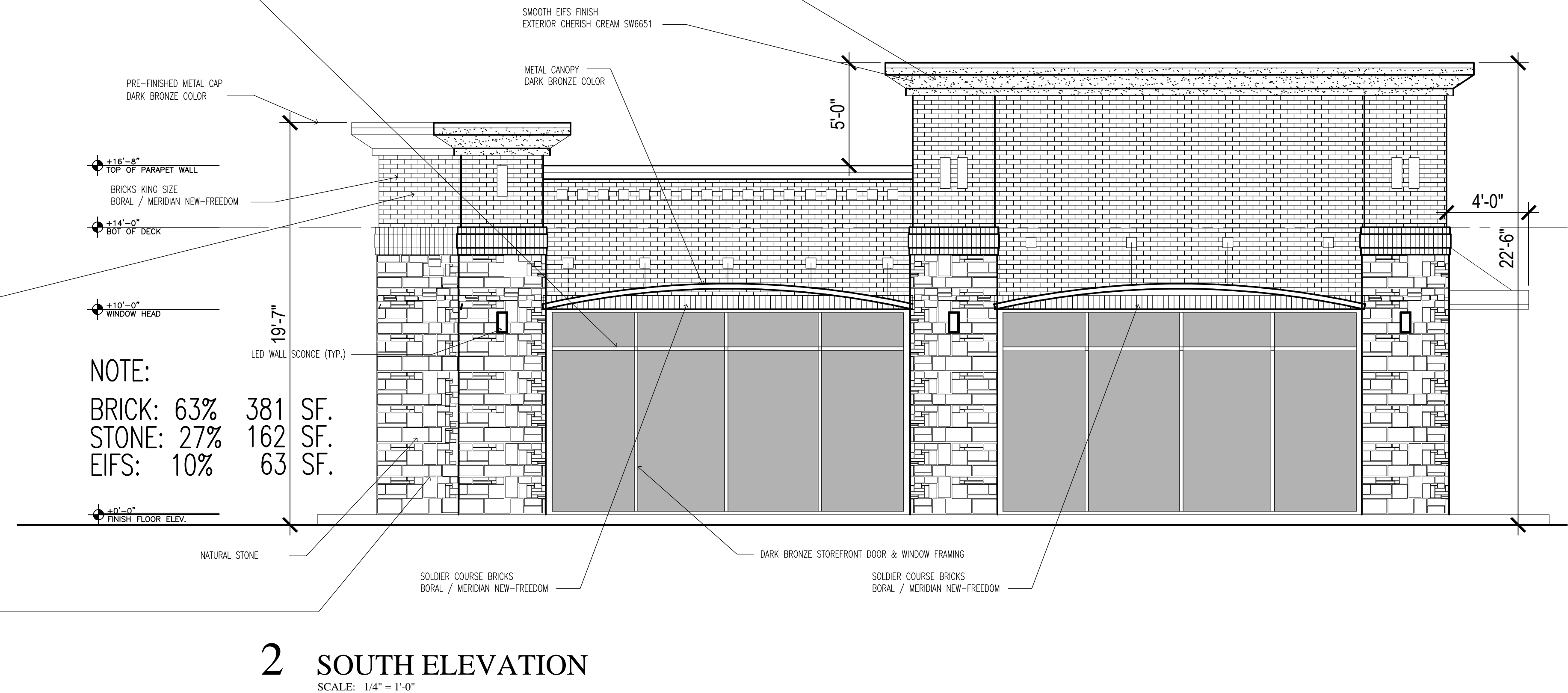
CHERISH CREAM SW6651 OR EQUAL



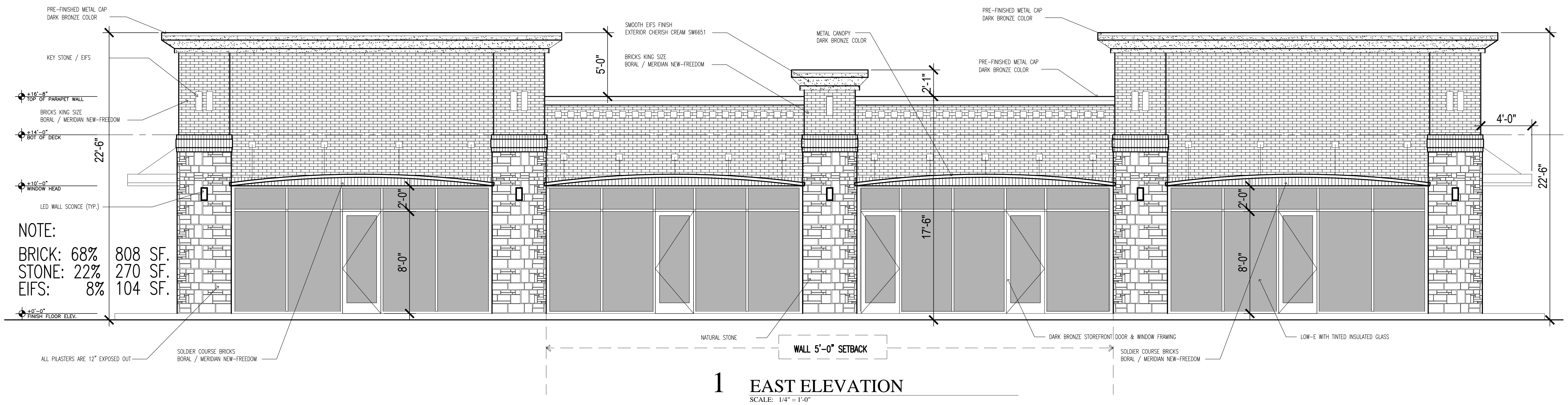
BORAL KINGSIZE MERIDIAN NEW-FREEDOM OR EQUAL



NATURAL LIME STONE OR EQUAL



2 SOUTH ELEVATION
 SCALE: 1/4" = 1'-0"



1 EAST ELEVATION
 SCALE: 1/4" = 1'-0"

OWNER:
 CENTER FOR PEACE AND MERCY, INC.
 PHONE: 318-617-3491
 EMAIL: Peacemercyinc@gmail.com

PROJECT:
 RETAIL BUILDING
 PHASE-1
 600 Turtle Cove Boulevard, Rockwall, Tx 75087

REVISIONS:

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |

amazing concept
 residential & commercial projects
 545 Coventry Drive, Grapevine, Tx 76051
 Tel: (817) 808 0811
 E-mail: akm.helaluzzaman@gmail.com

SHEET TITLE:
 EXTERIOR ELEVATIONS

| | |
|---------------------------|------------------------------|
| DATE: 06.03.2019 | SCALE: AS SHOWN |
| DRAWN: A. HELALUZZAMAN | DESIGNER: A. HELALUZZAMAN |
| PROJECT # H-2019-02 | |
| SHEET NO: A501 | |

| SITE DATA TABLE | |
|----------------------------|-------------------------------|
| DESCRIPTION | |
| ZONING (FROM ZONING MAP) | COMMERCIAL (C) DISTRICT |
| ZONING | COMMERCIAL (C) DISTRICT |
| OVERLAY DISTRICT | SCENIC OVERLAY DISTRICT (SOD) |
| LOT AREA PHASE-1 | 1.28 AC. (55,757 SF.) |
| BUILDING AREA PHASE-1 | 4,535 SF. |
| LOT COVERAGE | 8.13% |
| FLOOR AREA RATIO | 0.038:1 |
| BUILDING HEIGHT | ONE STORY (29'-8" MAX.) |
| RETAIL AREA | 2,263 SF. |
| ASSEMBLY (WORSHIP) | 2,267 SF. |
| WORSHIP OCCUPANTS | 120 M + 30 W = 150 TOTAL |
| RETAIL OCCUPANTS | 2,268 / 60 = 37.8 (SAY 38) |
| PARKING REQUIRED (WORSHIP) | 150/4 = 37.5 (SAY 38) |
| PARKING REQUIRED (RETAIL) | 2,268/200 = 11.34 (SAY 12) |
| TOTAL PARKING REQUIRED | 38+12 = 50 |
| TOTAL PARKING PROVIDED | 52 INCLUDING 3 ADA |

CONTACTS:

MEP ENGINEERS:
WAHEED CONSULTING
420 Parkside St.
Murphy, TX 75094
PHONE: (817) 793-2010
CONTACT: M. A. WAHEED

OWNER/DEVELOPER:
CENTERS FOR PEACE & MERCY, INC.
ABDUL LATIF KHAN, President
4152 Greenfield Drive
Richardson, TX 75082
PHONE: (318) 617-3491

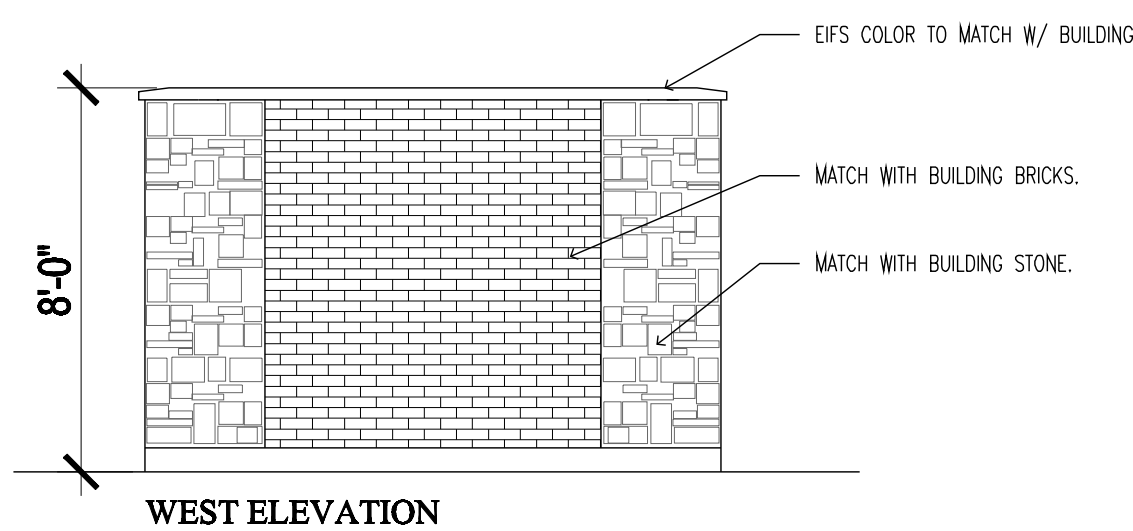
ARCHITECT:
AMAZING CONCEPT LLC.
545 COVENTRY DR.
Grapevine, TX 76051
PHONE: (817) 808-0811
CONTACT: AHMED HELALUZZAMAN
Designer,
Email: akm.helaluzzaman@gmail.com

SURVEYOR:
CBG SURVEYING, LLC.
12025 Shiloh Road, Ste 230
Dallas, TX 75228
PHONE: (214) 349-9485
CONTACT: BRYAN CONALLY

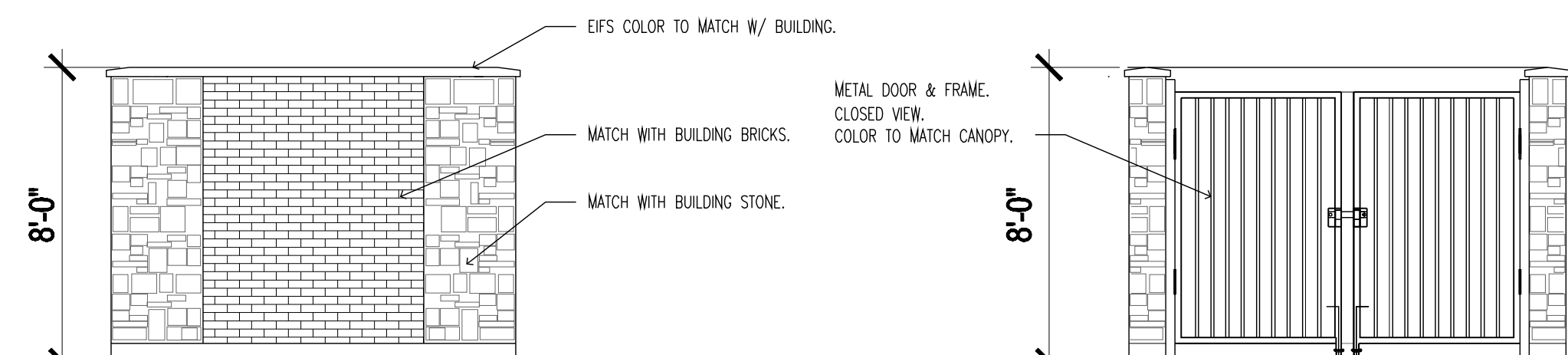
CIVIL ENGINEER:
DESIGN DEVELOPMENT CONSULT.
2308 KITTY HAWK DR.
PLANO, TX 75025
PHONE: (214)-533-7181

AROIDS LANDSCAPE ARCHITECTS
5901 INDIAN HILLS DR.
GARLAND, TX 75044
PHONE: (214)-329-6491

CONTACT: NAIM KHAN, PE **CONTACT: MOHAMMED ABDUS SALAM**

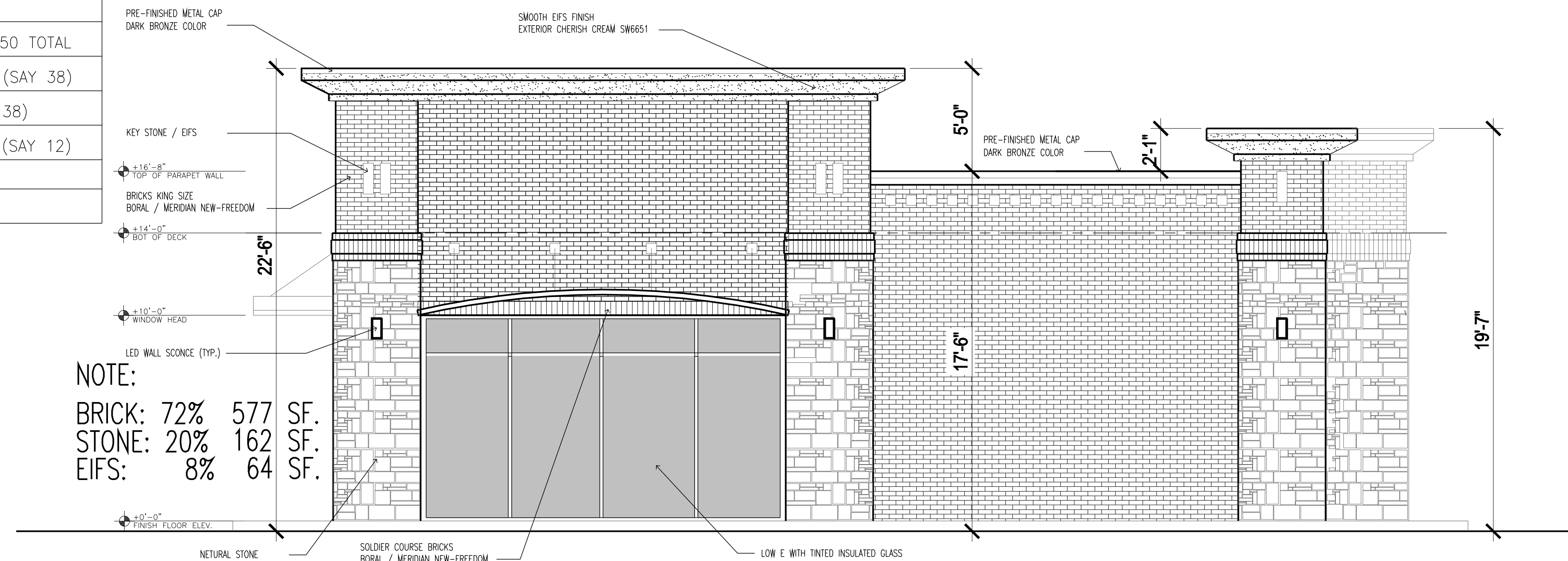


WEST ELEVATION



NORTH & SOUTH ELEVATIONS

EAST ELEVATION



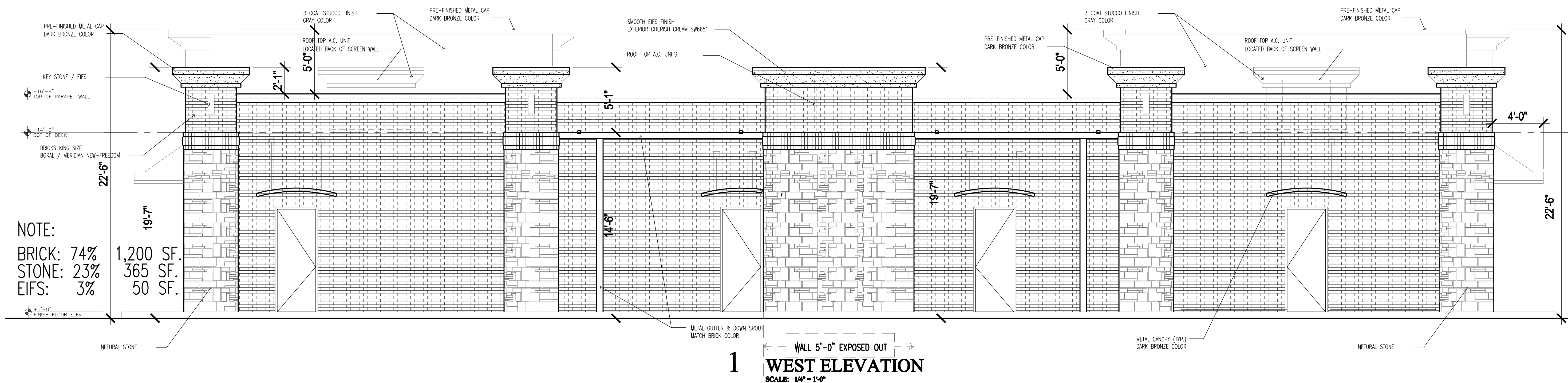
2 NORTH ELEVATION

NOTE:
BRICK: 72% 577 SF.
STONE: 20% 162 SF.
EIFS: 8% 64 SF.

3 DUMPSTER ELEVATIONS

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

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



1 WEST ELEVATION

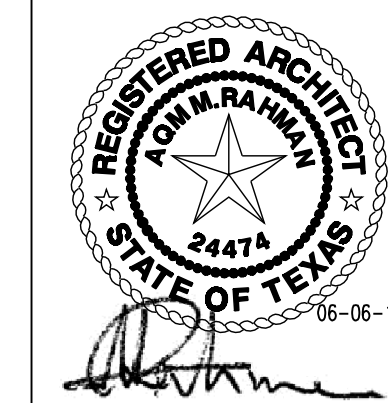
NOTE:
BRICK: 74% 1,200 SF.
STONE: 23% 365 SF.
EIFS: 3% 50 SF.

OWNER:
CENTER FOR PEACE AND MERCY, INC.
PHONE: 318-617-3491
EMAIL: Peacemercyinc@gmail.com

PROJECT:
RETAIL BUILDING
PHASE-1
600 Turtle Cove Boulevard, Rockwall, Tx 75087

REVISIONS:

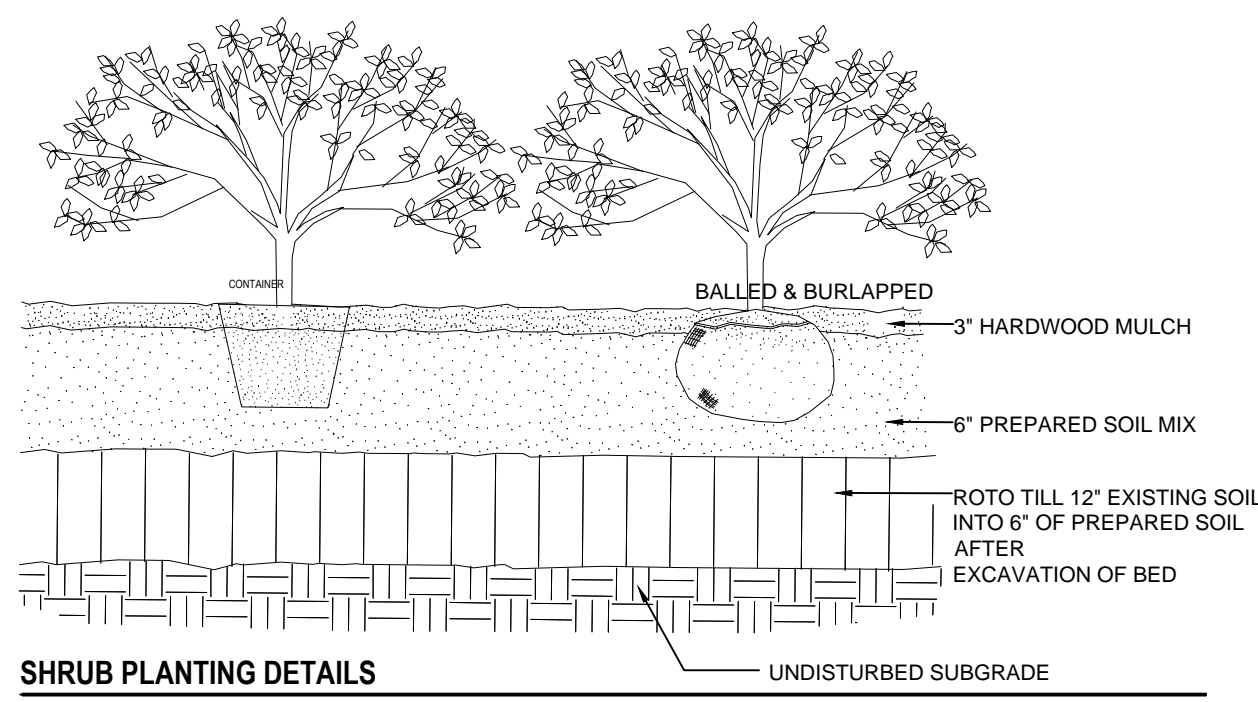
| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |



amazing concept
residential & commercial projects
545 Coventry Drive, TX 76051
Tel. (817) 808-0811
E-mail: akm.helaluzzaman@gmail.com

SHEET TITLE:
EXTERIOR ELEVATIONS

| | |
|-------------------------------|------------------------------|
| DATE: 06.03.2019 | SCALE: AS SHOWN |
| DRAWN: A. HELALUZZAMAN | DESIGNER: A. HELALUZZAMAN |
| PROJECT # H-2019-02 | SHEET NO. A502 |



SHRUB PLANTING DETAILS

NTS

PLANTING NOTES

1. USE 1/4\"/>
- 2. USE 4\"/>
- 3. ALL THE LAWN AREAS TO BE HYDROMULCHED BERMUDA GRASS. REPLACE ALL THE DAMAGED EXISTING LAWN AREAS AS NEEDED.
- 4. TOP DRESS ALL THE PLANTING BED AREAS WITH 2\"/>
- 5. THE SITE WILL BE IRRIGATED WITH BELOW GRADE AUTOMATIC IRRIGATION SYSTEM WITH FREEZE SENSOR. THAT IS CAPABLE OF PROVIDING THE PROPER AMOUNT OF WATER FOR PARTICULAR TYPE OF PLANT MATERIAL USED.

landscape area

SITE AREA - PHASE 1 : 55,757 SF. (1.278 AC.)
 LANDSCAPE AREA REQUIRED : 15% (8,355 SF.)
 PROVIDED : 414\"/>

BLDG. AREA : 4,600 SF.
 IMPERVIOUS AREA : 28,322 SF.

TOTAL NUMBER OF PARKING SPACES REQUIRED : 50.
 SPACES PROVIDED : 52.

planting requirement

TURTLE COVE BLVD. LANDSCAPE BUFFER 144.59 LF.
 SHADE TREES REQUIRED : 3 (4\"/>

SURFACE PARKING LOT LANDSCAPING 52 (SPACES)
 SHADE TREES PROVIDED : 6 (4\"/>

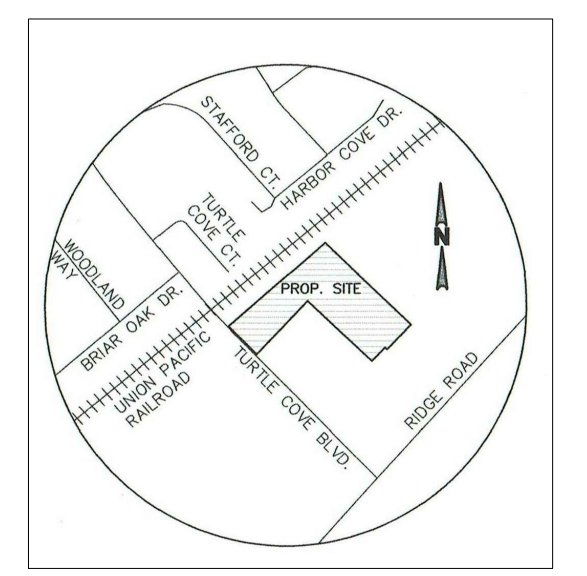
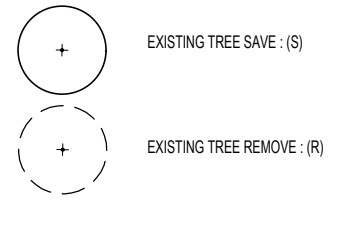
SCREENING SHRUBS PROVIDED ALONG THE STREET FRONTAGE.

existing tree listing

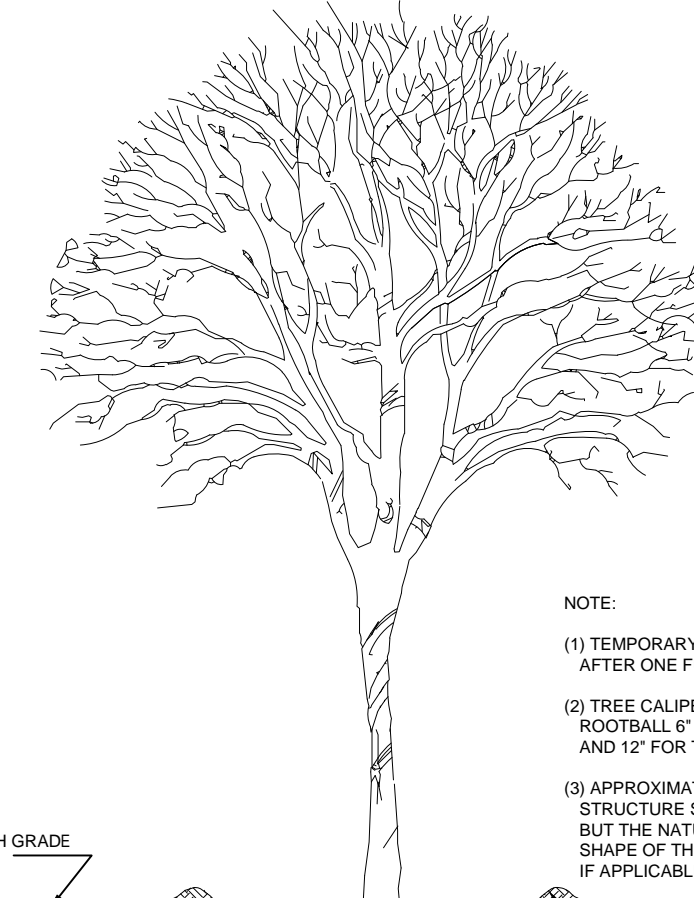
| TREE LIST | REPLACEMENT RATE | | | | | | | | | |
|---|---|---|---|---|--|--|--|--|--|---------------|
| 01 HACKBERRY 24\"/> <tr> <td>02 ELM 18\"/> <tr> <td>03 HACKBERRY 15\"/> <tr> <td>04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 02 ELM 18\"/> <tr> <td>03 HACKBERRY 15\"/> <tr> <td>04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 03 HACKBERRY 15\"/> <tr> <td>04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr> | 07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr> | 08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr> | 09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr> | 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> |
| 02 ELM 18\"/> <tr> <td>03 HACKBERRY 15\"/> <tr> <td>04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 03 HACKBERRY 15\"/> <tr> <td>04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr> | 07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr> | 08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr> | 09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr> | 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> | |
| 03 HACKBERRY 15\"/> <tr> <td>04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr> | 07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr> | 08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr> | 09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr> | 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> | | |
| 04 OAK 20\"/> <tr> <td>05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr> | 07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr> | 08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr> | 09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr> | 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> | | | |
| 05 HACKBERRY 7\"/> <tr> <td>06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr></td></tr> | 06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr> | 07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr> | 08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr> | 09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr> | 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> | | | | |
| 06 HACKBERRY 12\"/> <tr> <td>07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr></td></tr> | 07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr> | 08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr> | 09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr> | 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> | | | | | |
| 07 HACKBERRY 20\"/> <tr> <td>08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr></td></tr> | 08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr> | 09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr> | 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> | | | | | | |
| 08 ELM 10\"/> <tr> <td>09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr></td></tr> | 09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr> | 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> | | | | | | | |
| 09 HACKBERRY 15\"/> <tr> <td>10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr></td></tr> | 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> | | | | | | | | |
| 10 HACKBERRY 20\"/> <tr> <td>11 OAK 36\"/> </td></tr> | 11 OAK 36\"/> | | | | | | | | | |
| 11 OAK 36\"/> | | | | | | | | | | |

R = REMOVE, S=SAVE
 101.0 CAL/INCHES TO BE MITIGATED
 REF. PLANT SCHEDULE FOR TREE LISTING.

exis. tree legend



vicinity map



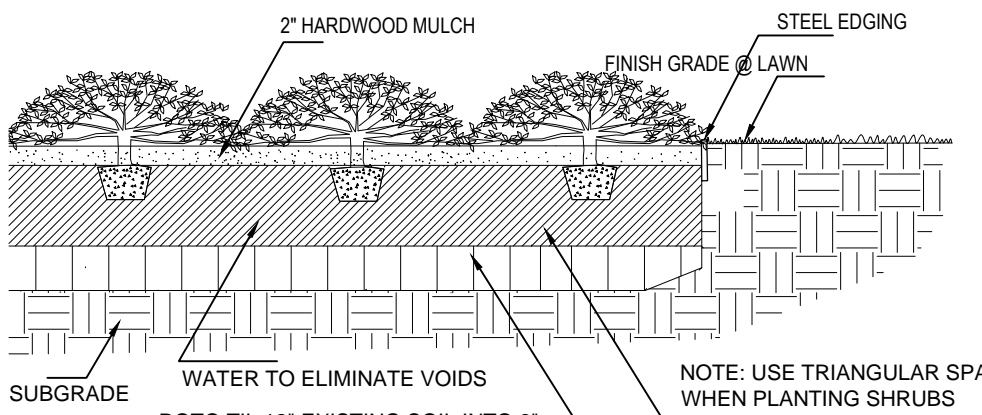
TREE PLANTING DETAILS

NTS

- NOTE:
- (1) TEMPORARY TREE WELL TO BE REMOVED AFTER ONE FULL GROWING SEASON.
 - (2) TREE CALIPER MEASURED ABOVE TOP OF ROOTBALL 6\"/>
 - (3) APPROXIMATELY ONE-THIRD OF THE BRANCH STRUCTURE SHALL BE REMOVED BY THINNING BUT THE NATURAL CHARACTER AND GENERAL SHAPE OF THE TREE SHALL BE PRESERVED IF APPLICABLE.

plant schedule

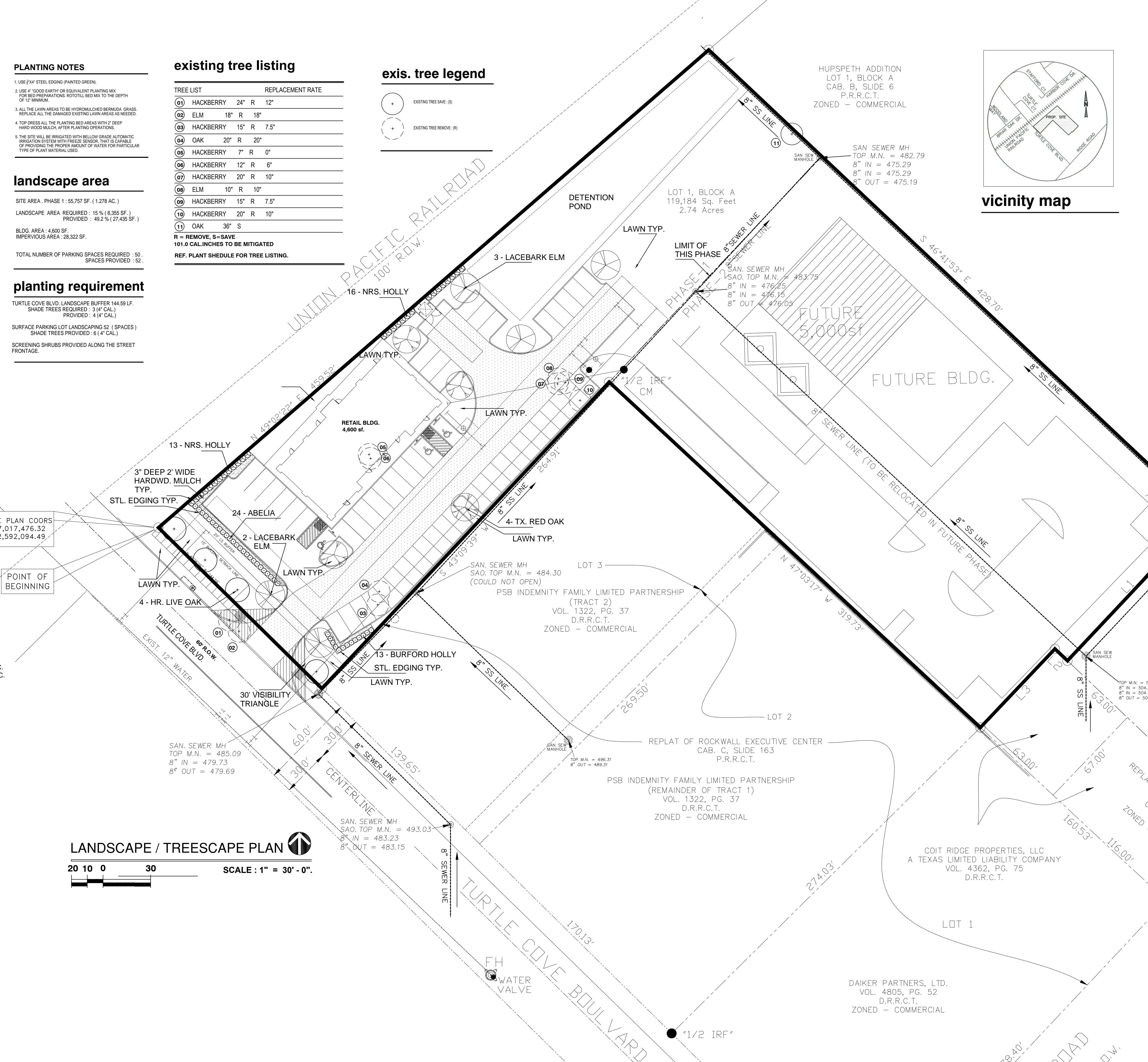
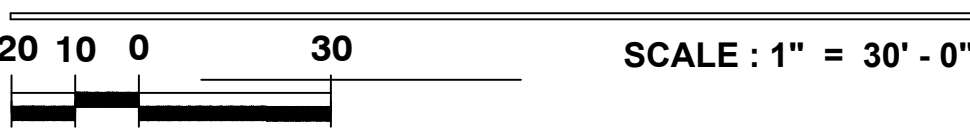
| QTY | COMMON NAME | SCIENTIFIC NAME | SIZE | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|--------------------|------------------------------|--|---|--------------------|------------------------------|---|--|----------|--------------------|--|--|---|--------------|-------------------------|--------------------|---|------------|-------------------------|------------------------------|---|---------------------------------|--------------------|------------------------------|--|---------------------------------|--------------------|------------------------------|--|---------------------------------|--------------|--------------|------------------|--|--------------|--------------|------------------|--|--------------|
| TREES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Texas Red Oak | Quercus shumardii "Texana" | 4\"/> <tr> <td>3</td> <td>Lacebark Elm</td> <td>Ulmus parvifolia</td> <td>4\"/> <tr> <td>4</td> <td>Live Oak</td> <td>Quercus virginiana</td> <td>4\"/> <tr> <td colspan="5">SHRUBS</td> </tr> <tr> <td>29</td> <td>NRS. Holly</td> <td>Ilex x.Nellie R.Stevens</td> <td>7 gal.</td> <td>full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr></td></tr></td></tr></td></tr> | 3 | Lacebark Elm | Ulmus parvifolia | 4\"/> <tr> <td>4</td> <td>Live Oak</td> <td>Quercus virginiana</td> <td>4\"/> <tr> <td colspan="5">SHRUBS</td> </tr> <tr> <td>29</td> <td>NRS. Holly</td> <td>Ilex x.Nellie R.Stevens</td> <td>7 gal.</td> <td>full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr></td></tr></td></tr> | 4 | Live Oak | Quercus virginiana | 4\"/> <tr> <td colspan="5">SHRUBS</td> </tr> <tr> <td>29</td> <td>NRS. Holly</td> <td>Ilex x.Nellie R.Stevens</td> <td>7 gal.</td> <td>full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr></td></tr> | SHRUBS | | | | | 29 | NRS. Holly | Ilex x.Nellie R.Stevens | 7 gal. | full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr> | 24 | Abelia | Abelia grandiflora | 5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr> | 13 | Dwf. Burford Holly | Ilex cornuta burfordi "Nana" | 5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> | GROUNDCOVERS, & LAWN | | | | | | Bermudagrass | Cynodon dactylon | | Hydromulched |
| 3 | Lacebark Elm | Ulmus parvifolia | 4\"/> <tr> <td>4</td> <td>Live Oak</td> <td>Quercus virginiana</td> <td>4\"/> <tr> <td colspan="5">SHRUBS</td> </tr> <tr> <td>29</td> <td>NRS. Holly</td> <td>Ilex x.Nellie R.Stevens</td> <td>7 gal.</td> <td>full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr></td></tr></td></tr> | 4 | Live Oak | Quercus virginiana | 4\"/> <tr> <td colspan="5">SHRUBS</td> </tr> <tr> <td>29</td> <td>NRS. Holly</td> <td>Ilex x.Nellie R.Stevens</td> <td>7 gal.</td> <td>full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr></td></tr> | SHRUBS | | | | | 29 | NRS. Holly | Ilex x.Nellie R.Stevens | 7 gal. | full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr> | 24 | Abelia | Abelia grandiflora | 5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr> | 13 | Dwf. Burford Holly | Ilex cornuta burfordi "Nana" | 5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> | GROUNDCOVERS, & LAWN | | | | | | Bermudagrass | Cynodon dactylon | | Hydromulched | | | | |
| 4 | Live Oak | Quercus virginiana | 4\"/> <tr> <td colspan="5">SHRUBS</td> </tr> <tr> <td>29</td> <td>NRS. Holly</td> <td>Ilex x.Nellie R.Stevens</td> <td>7 gal.</td> <td>full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr></td></tr> | SHRUBS | | | | | 29 | NRS. Holly | Ilex x.Nellie R.Stevens | 7 gal. | full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr> | 24 | Abelia | Abelia grandiflora | 5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr> | 13 | Dwf. Burford Holly | Ilex cornuta burfordi "Nana" | 5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> | GROUNDCOVERS, & LAWN | | | | | | Bermudagrass | Cynodon dactylon | | Hydromulched | | | | | | | | |
| SHRUBS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | NRS. Holly | Ilex x.Nellie R.Stevens | 7 gal. | full pot, well rooted. 4\"/> <tr> <td>24</td> <td>Abelia</td> <td>Abelia grandiflora</td> <td>5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr></td></tr> | 24 | Abelia | Abelia grandiflora | 5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr> | 13 | Dwf. Burford Holly | Ilex cornuta burfordi "Nana" | 5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> | GROUNDCOVERS, & LAWN | | | | | | Bermudagrass | Cynodon dactylon | | Hydromulched | | | | | | | | | | | | | | | | | |
| 24 | Abelia | Abelia grandiflora | 5 gal.30\"/> <tr> <td>13</td> <td>Dwf. Burford Holly</td> <td>Ilex cornuta burfordi "Nana"</td> <td>5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> </td></tr> | 13 | Dwf. Burford Holly | Ilex cornuta burfordi "Nana" | 5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> | GROUNDCOVERS, & LAWN | | | | | | Bermudagrass | Cynodon dactylon | | Hydromulched | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Dwf. Burford Holly | Ilex cornuta burfordi "Nana" | 5 gal. 24\"/> <tr> <td colspan="5">GROUNDCOVERS, & LAWN</td> </tr> <tr> <td></td> <td>Bermudagrass</td> <td>Cynodon dactylon</td> <td></td> <td>Hydromulched</td> </tr> | GROUNDCOVERS, & LAWN | | | | | | Bermudagrass | Cynodon dactylon | | Hydromulched | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROUNDCOVERS, & LAWN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Bermudagrass | Cynodon dactylon | | Hydromulched | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



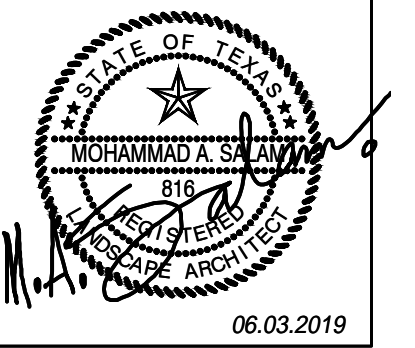
GROUND COVER PLANTING DETAIL

NTS

LANDSCAPE / TREESCAPE PLAN



CONSULTANT:
aroids
 landscape architects
 5801 indian hills drive, garland, texas, 75044
 telephone: 214.463.2034
 email: aroids@aroids.com



OWNER:
 CENTER FOR PEACE AND MERCY, INC.
 PHONE: 318-617-3491
 EMAIL: Peacemercyinc@gmail.com

PROJECT:
 CPM MASJID (PHASE ONE)
 600 Turtle Cove Boulevard, Rockwall, Tx 75087

REVISIONS:

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

amazing concept
 residential & commercial projects
 540 County Drive, Coppell, TX 75011
 Tel: (817) 808 0811
 E-mail: otm.helaluzzaman@gmail.com

SHEET TITLE:
LANDSCAPE PLAN

| | |
|-------------------------------|-----------------------------|
| DATE: 02.15.2019 | SCALE: AS SHOWN |
| DRAWN: A.HELALUZZAMAN | DESIGNER: A.HELALUZZAMAN |
| PROJECT # H-2019-02 | |
| SHEET NO: LP.01 | |

CONSULTANT:

aroids
landscape architecture
8001 Indian Hills Drive, Garland, Texas 75044
Telephone: 214.480.2804
www.aroids.com



OWNER:
CENTER FOR PEACE AND MERCY, INC.
PHONE: 318-617-3491
EMAIL: Peacemercyinc@gmail.com

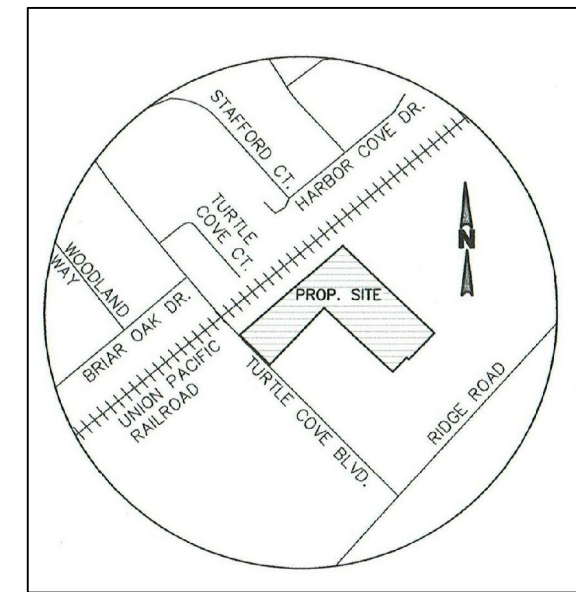
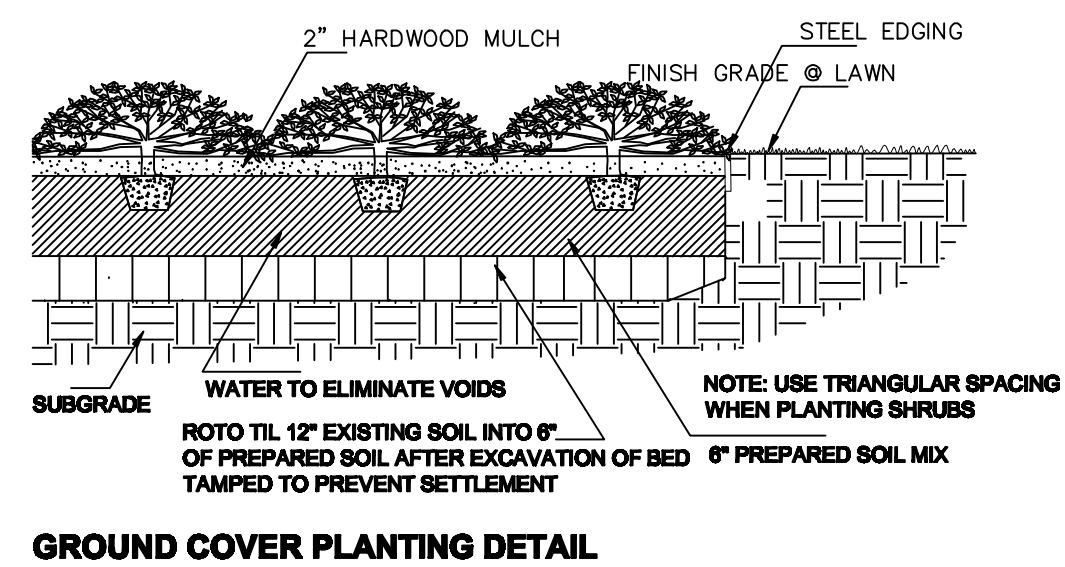
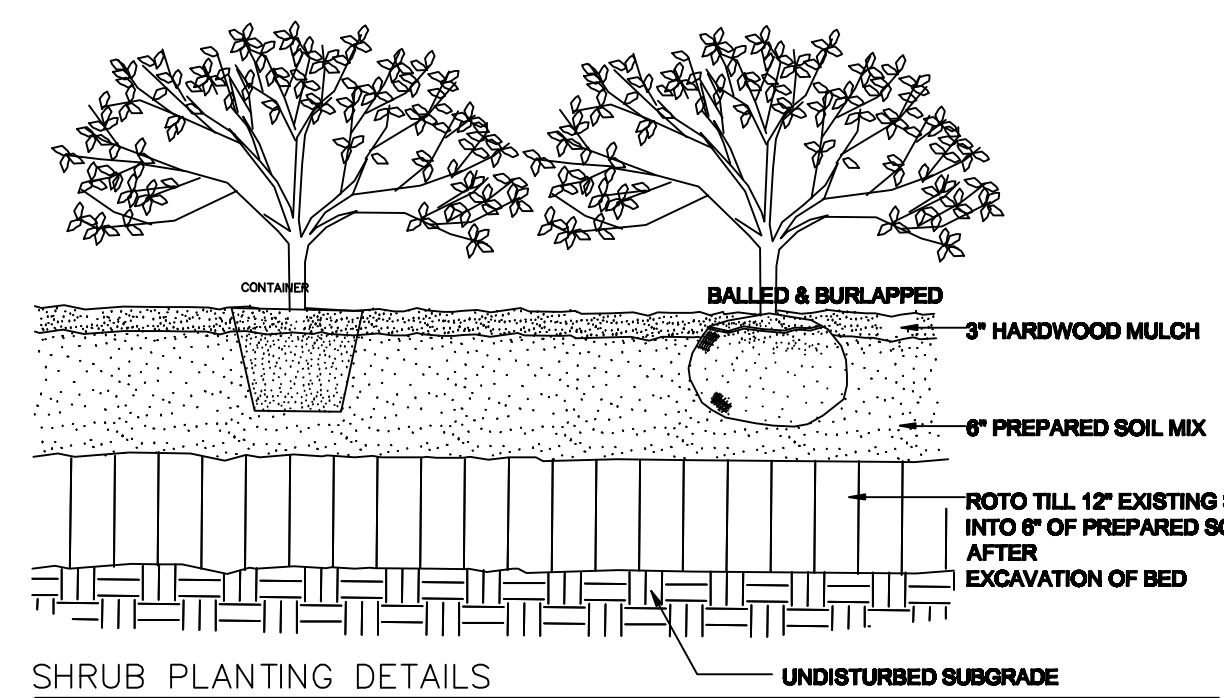
PROJECT:
CPM MASJID (PHASE ONE)
600 Turtle Cove Boulevard, Rockwall, Tx 75087

REVISIONS:

| NO. | DESCRIPTION |
|-----|-------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

amazing concept
residential & commercial projects
545 Country Drive, Grapevine, TX 76051
Tel: (817) 808 0811
E-mail: acm.helaluzzaman@gmail.com

SHEET TITLE:
LANDSCAPE PLAN
DATE: 02.15.2019 SCALE: AS SHOWN
DRAWN: AS SHOWN DESIGNER:
PROJECT # **H-2019-02**
SHEET NO: **LP.01**

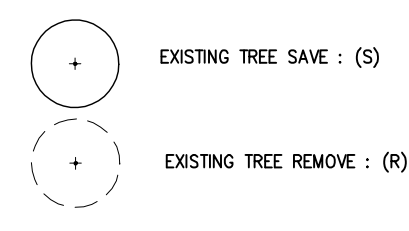


existing tree listing

| TREE LIST | REPLACEMENT RATE |
|-------------------------|------------------|
| 01 HACKBERRY 24" R 12" | |
| 02 ELM 18" R 18" | |
| 03 HACKBERRY 15" R 7.5" | |
| 04 OAK 20" R 20" | |
| 05 HACKBERRY 7" R 0" | |
| 06 HACKBERRY 12" R 6" | |
| 07 HACKBERRY 20" R 10" | |
| 08 ELM 10" R 10" | |
| 09 HACKBERRY 15" R 7.5" | |
| 10 HACKBERRY 20" R 10" | |
| 11 OAK 36" S | |

R = REMOVE, S=SAVE
101.6 CAL INCHES TO BE MITIGATED
REF. PLANT SCHEDULE FOR TREE LISTING.

exis. tree legend



PLANTING NOTES

- 1. USE 1/4" STEEL EDGING PAINTED GREEN.
- 2. USE 4" GOOD QUALITY OR EQUIVALENT PLANTING MIX FOR BED PREPARATION. ROTOTILL BED MIX TO THE DEPTH OF 12" MINIMUM.
- 3. ALL THE LAWN AREAS TO BE HYDROMULCHED NORMALLY. GRASS. REPLACE ALL THE DAMAGED EXISTING LAWN AREAS AS NEEDED.
- 4. TOP DRESS ALL THE PLANTING BED AREAS WITH 2" DEEP HARD WOOD MULCH, AFTER PLANTING OPERATIONS.
- 5. THE SITE WILL BE IRRIGATED WITH SLOW GROUND AUTOMATIC IRRIGATION SYSTEM WITH FREEZE SENSOR, THAT IS CAPABLE OF PROVIDING THE PROPER AMOUNT OF WATER FOR PARTICULAR TYPE OF PLANT MATERIAL USED.

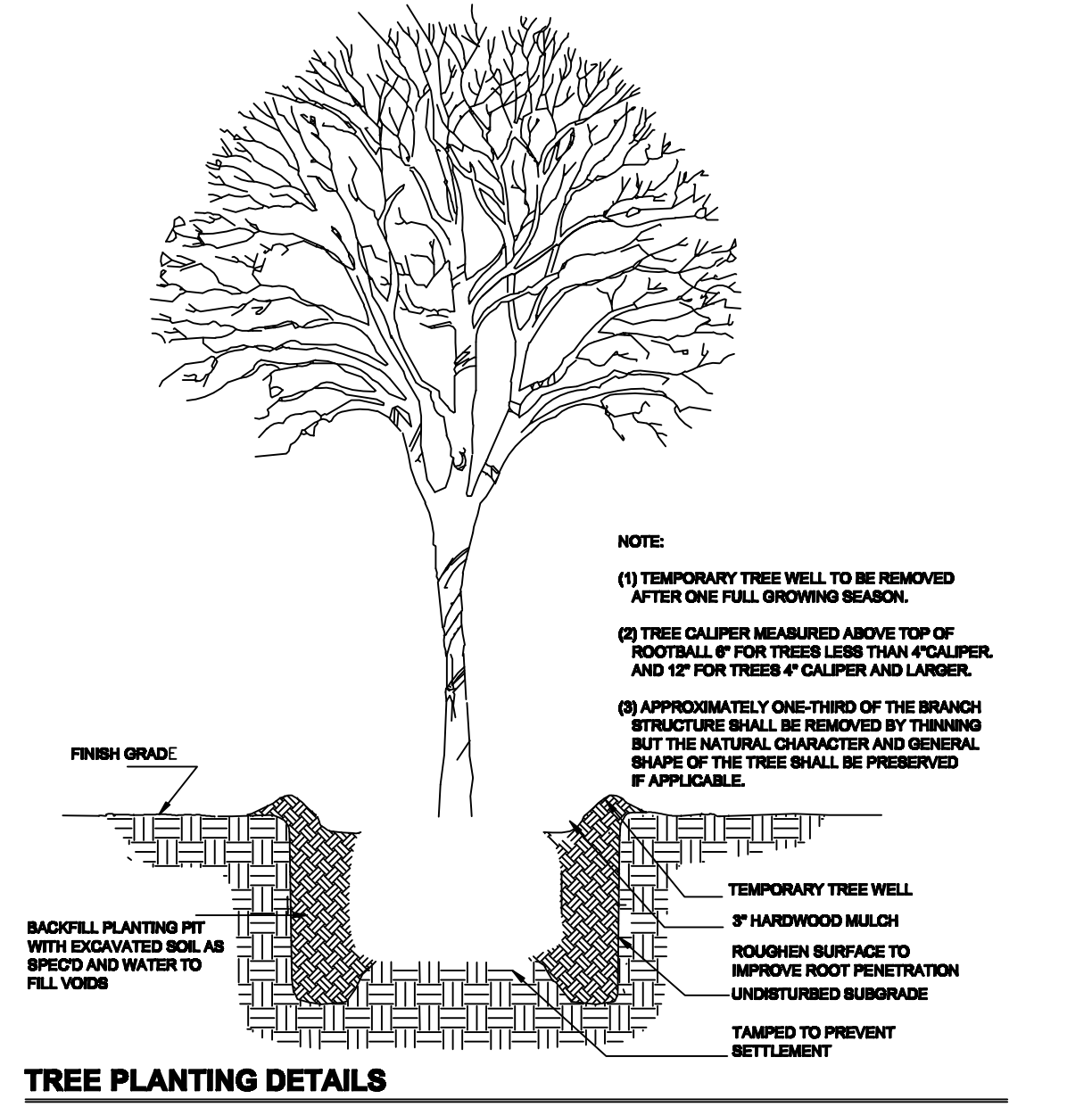
landscape area

SITE AREA, PHASE 1: 55,757 SF. (1.278 AC.)
LANDSCAPE AREA REQUIRED: 15% (8,365 SF.)
PROVIDED: 49.2% (27,436 SF.)
BLDG. AREA: 4,800 SF.
IMPERVIOUS AREA: 28,322 SF.

TOTAL NUMBER OF PARKING SPACES REQUIRED: 80.
SPACES PROVIDED: 82.

planting requirement

TURTLE COVE BLVD. LANDSCAPE BUFFER 144.59 LF.
SHADE TREES REQUIRED: 3 (4" CAL.)
PROVIDED: 4 (4" CAL.)
SURFACE PARKING LOT LANDSCAPING 82 (SPACES)
SHADE TREES PROVIDED: 8 (4" CAL.)
SCREENING SHRUBS PROVIDED ALONG THE STREET FRONTAGE.



plant schedule

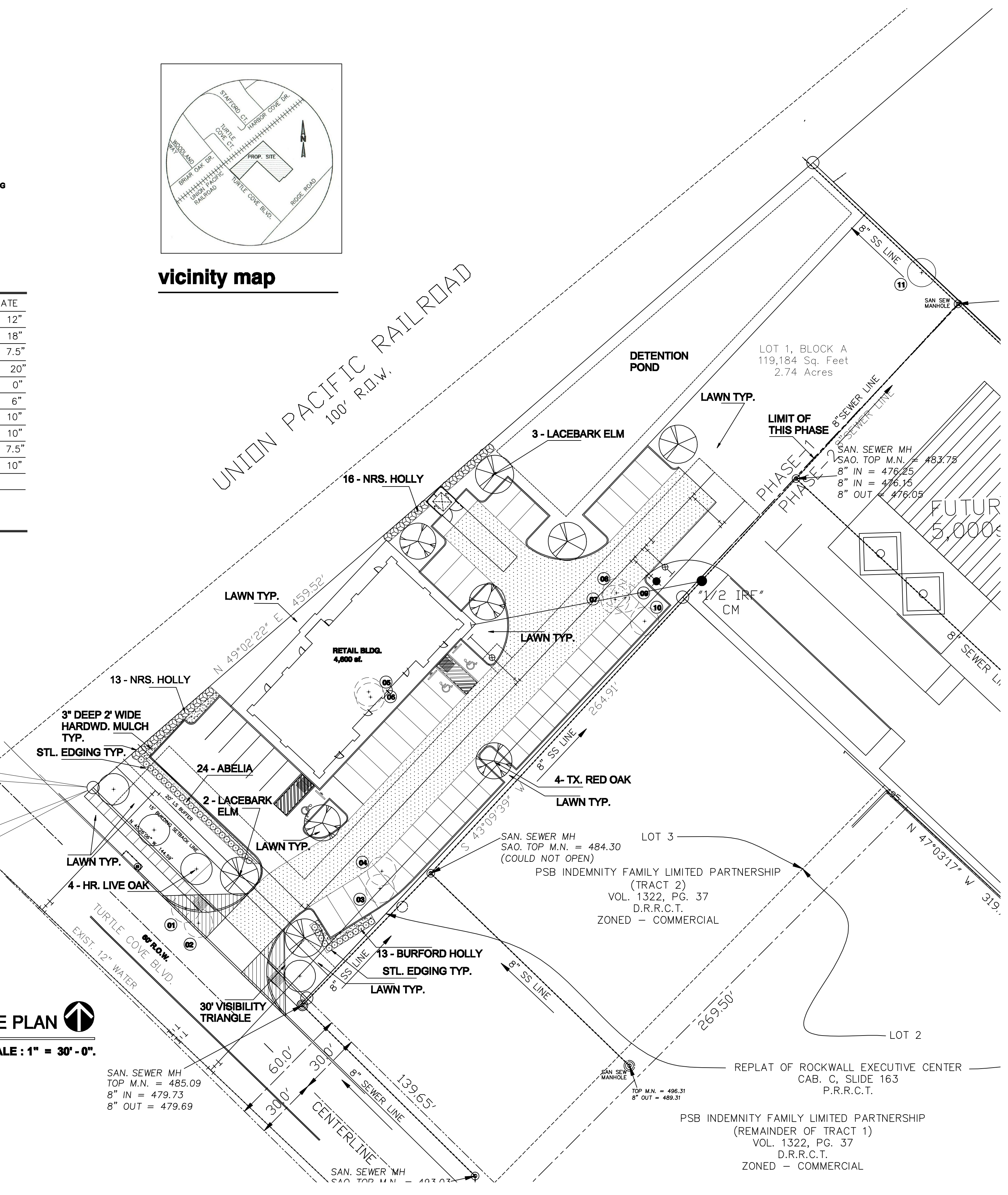
| QTY | COMMON NAME | SCIENTIFIC NAME | SIZE | REMARKS |
|---------------------------------|--------------------|------------------------------|---|--------------|
| TREES | | | | |
| 3 | Texas Red Oak | Quercus shumardii "Texana" | 4" Caliper/10-12' ht., 6-7" sp., straight trunk, full, matching | |
| 3 | Lacebark Elm | Ulmus parvifolia | 4" Caliper/10-12' ht., 5-6" sp., full, matching | |
| 4 | Live Oak | Quercus virginiana | 4" Caliper/10-12' ht., 5-6" sp., full, matching | |
| SHRUBS | | | | |
| 29 | NRS. Holly | Ilex x. Nelly R. Stevens | 7 gal. full pot, well rooted. 4" O.C. | |
| 24 | Abelia | Abelia grandiflora | 5 gal./30"-34" ht., 18-24" sp., full pot, well rooted; 36" O.C. | |
| 13 | Dwf. Burford Holly | Ilex cornuta burfordi "Nana" | 5 gal. 24"-28" ht., 18-24" sp., full pot, well rooted. 36" O.C. | |
| GROUNDCOVERS, & LAWN | | | | |
| | Bermudagrass | Cynodon dactylon | | Hydromulched |

LANDSCAPE / TREESCAPE PLAN



STATE PLAN COORDS
N=7,017,476.32
E=2,592,094.49

POINT OF BEGINNING



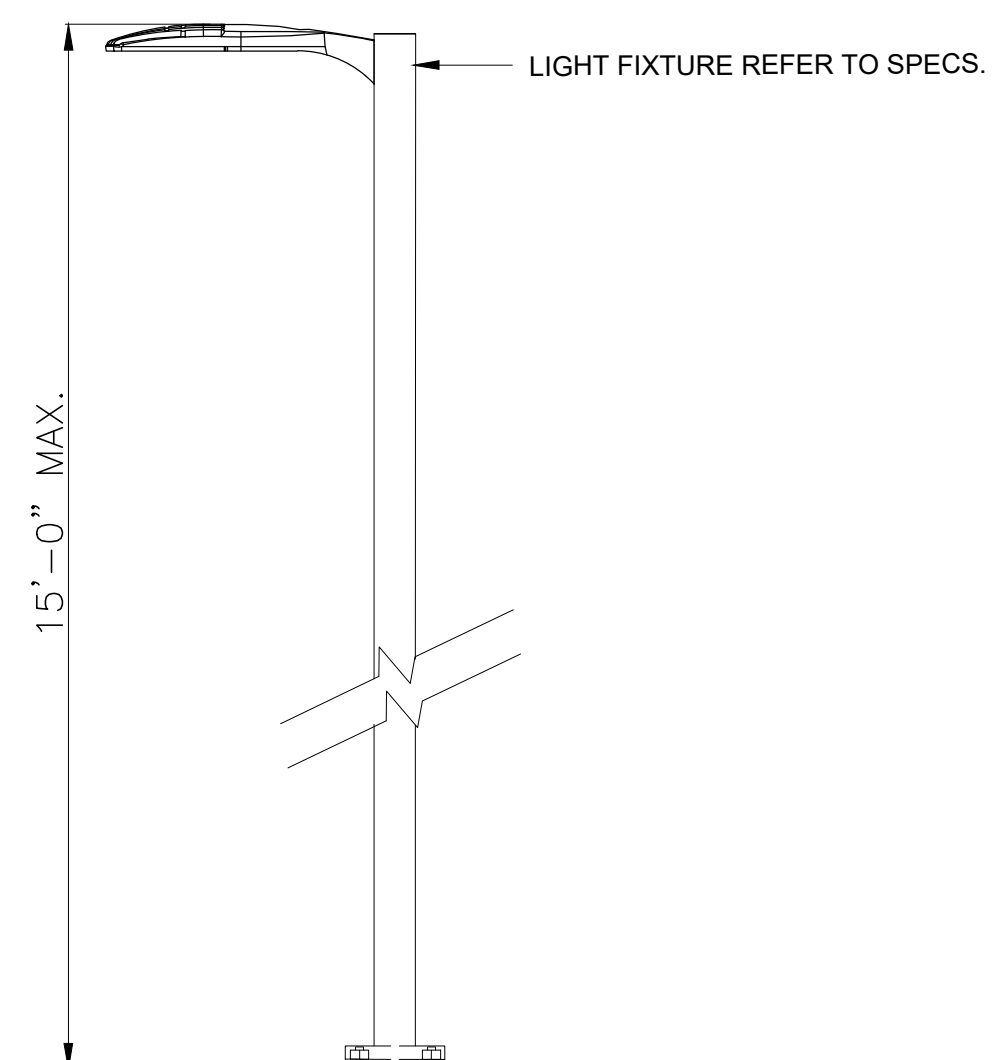
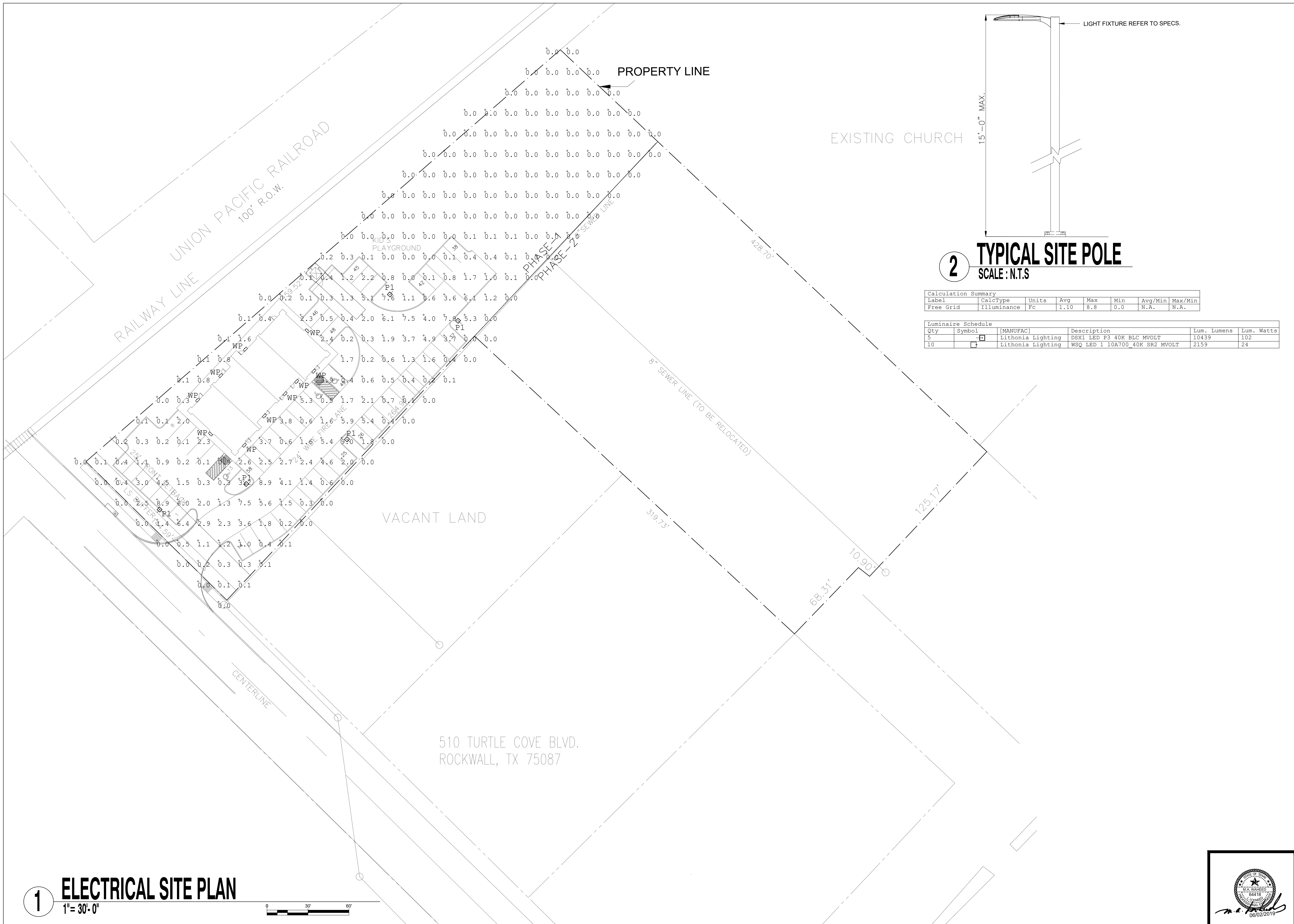
SAN SEWER MH
TOP M.N. = 485.09
8" IN = 479.73
8" OUT = 479.69

SAN SEWER MH
SAO TOP M.N. = 484.30
(COULD NOT OPEN)

PSB INDEMNITY FAMILY LIMITED PARTNERSHIP
(TRACT 2)
VOL. 1322, PG. 37
D.R.R.C.T.
ZONED - COMMERCIAL

REPLAT OF ROCKWALL EXECUTIVE CENTER
CAB. C, SLIDE 163
P.R.R.C.T.

PSB INDEMNITY FAMILY LIMITED PARTNERSHIP
(REMAINDER OF TRACT 1)
VOL. 1322, PG. 37
D.R.R.C.T.
ZONED - COMMERCIAL

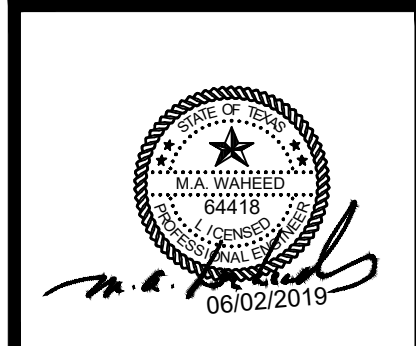
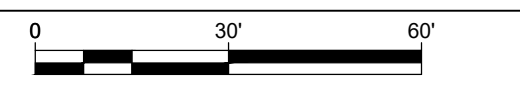


2 TYPICAL SITE POLE
SCALE: N.T.S

| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
|-----------|-------------|-------|------|-----|-----|---------|---------|
| Free Grid | Illuminance | Fc | 1.10 | 8.8 | 0.0 | N.A. | N.A. |

| Qty | Symbol | (MANUFAC) | Description | Lum. Lumens | Lum. Watts |
|-----|--------|-------------------|--------------------------------|-------------|------------|
| 5 | □ | Lithonia Lighting | DSX1 LED P3 40K BLC MVOLT | 10439 | 102 |
| 10 | □ | Lithonia Lighting | WSQ LED 1 10A700 40K SR2 MVOLT | 2159 | 24 |

1 ELECTRICAL SITE PLAN
1" = 30'-0"



WAHEED CONSULTING
420 PARKSIDE COURT
MURPHY, TEXAS 75094
PH: 817-793-2010
FIRM #: F-6336

OWNER:
CENTER FOR PEACE AND MERCY, INC.
PHONE: 318-617-3491
EMAIL: Peacemercyinc@gmail.com

PROJECT:
RETAIL BUILDING
PHASE-1
600 Turtle Cove Boulevard, Rockwall, Tx 75087

REVISIONS:

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

amazing concept
residential & commercial projects
545 Coventry Drive, Grapevine, TX 76051
Tel: (817) 858 0811
E-mail: okm.helaluzzaman@gmail.com

SHEET TITLE:
ELECT. SITE PLAN

| | |
|-------------------------------|------------------------------|
| DATE: 06.03.2019 | SCALE: AS SHOWN |
| DRAWN: A. HELALUZZAMAN | DESIGNER: A. HELALUZZAMAN |
| PROJECT # H-2019-02 | SHEET NO: ESP |



WSQ LED

Architectural Wall Sconce



Catalog Number

Notes

Type

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

Specifications

Luminaire

Height: 7-1/4"
(18.4 cm)

Width: 16-1/4"
(41.3 cm)

Depth: 9-1/8"
(23.2 cm)

Weight: 17 lbs
(7.7 kg)

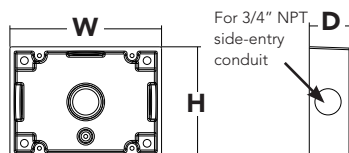


Optional Back Box (BBW)

Height: 4"
(10.2 cm)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)



Introduction

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

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

Ordering Information

EXAMPLE: WSQ LED 2 10A700/40K SR3 MVOLT DBBTD

| Series | Light Engines | Performance Package | Distribution | Voltage | Mounting | Options | Finish (required) |
|---------|---|--|--|--|---|--|--|
| WSQ LED | 1 One engine (10 LEDs) 2 Two engines (20 LEDs) | 700 mA options: 10A700/40K 4000K | SR2 Type II SR3 Type III SR4 Type IV | MVOLT ¹ 120 ¹ 208 ¹ 240 ¹ 277 ¹ 347 480 | Shipped included (blank) Surface mount Shipped separately² BBW Surface-mounted back box | Shipped installed PE Photoelectric cell, button type ^{3,4,5} SF Single fuse (120, 277, 347V) ^{3,4} DF Double fuse (208, 240, 480V) ^{3,4} DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup ^{3,6} WLU Wet location door for up orientation Shipped separately VG Vandal guard ³ WG Wire guard ³ | DBBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone |

Emergency Battery Operation

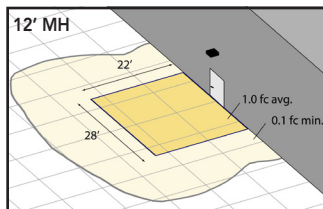
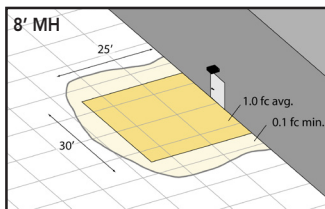
The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

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

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

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

WST LED 1 10A700/40K SR4 MVOLT ELCW
10' x 10' Gridlines
8' and 12' Mounting Height



NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with photocell (PE option) or fusing (SF, DF options).
- For side-entry conduit applications. May also be ordered separately as an accessory. Ex: WSBWW DDBXD U.
- Must be ordered with fixture; cannot be field installed.
- Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with 480V option.
- Integral battery pack is rated for -20° to 60°C operating temperature. ELCW warranty is 3 year period. Not available with 347V or 480V.



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

| Light Engines | Drive Current (mA) | Performance Package | System Watts (MVOLT ¹) | Dist. Type | 40K (4000K, 70 CRI) | | | | |
|---------------|--------------------|---------------------|------------------------------------|------------|---------------------|---|---|---|-----|
| | | | | | Nominal Lumens | B | U | G | LPW |
| 1 (10 LEDs) | 700 | 10A700/--K | 24W | SR2 | 2005 | 1 | 0 | 1 | 84 |
| | | | | SR3 | 2029 | 1 | 0 | 1 | 84 |
| | | | | SR4 | 1959 | 1 | 0 | 1 | 82 |
| 2 (20 LEDs) | 700 | 10A700/--K | 47W | SR2 | 3944 | 1 | 0 | 1 | 84 |
| | | | | SR3 | 4028 | 1 | 0 | 1 | 86 |
| | | | | SR4 | 3851 | 1 | 0 | 1 | 82 |

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

Lumen Ambient Temperature (LAT) Multipliers

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

| Ambient | Lumen Multiplier |
|---------|------------------|
| 0°C | 1.10 |
| 10°C | 1.06 |
| 20°C | 1.02 |
| 25°C | 1.00 |
| 30°C | 0.98 |
| 40°C | 0.92 |

Projected LED Lumen Maintenance

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

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

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

Electrical Load

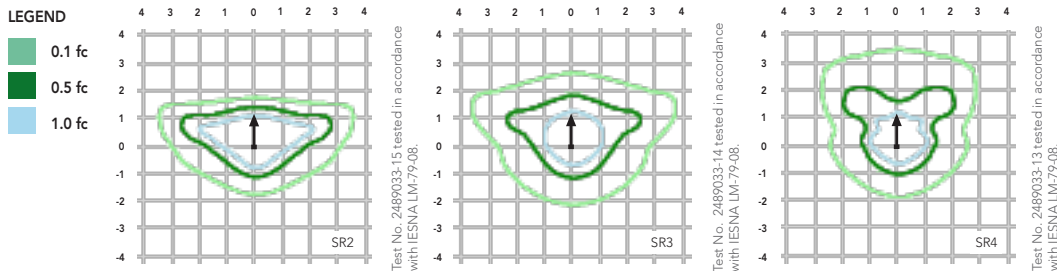
| Light Engines | Drive Current (mA) | System Watts | Current (A) | | | | | |
|---------------|--------------------|------------------|-------------|------|------|------|------|------|
| | | | 120 | 208 | 240 | 277 | 347 | 480 |
| 1 | 700 | 24W | 0.24 | 0.14 | 0.12 | 0.1 | - | - |
| | | 29W ¹ | - | -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

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

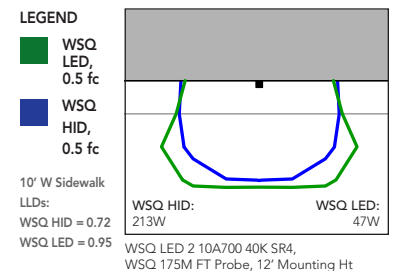
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [WSQ LED homepage](#).

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



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

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

CONSTRUCTION

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

FINISH

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

OPTICS

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

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L77). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The integral bubble level on the mounting plate provides assistance for level placement on every installation.

LISTINGS

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

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications subject to change without notice.





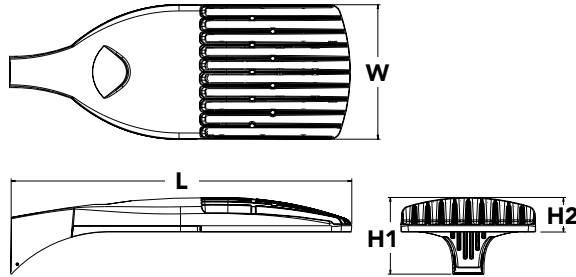
D-Series Size 1 LED Area Luminaire

d#series



Specifications

| | |
|----------------------|--|
| EPA: | 1.01 ft ² (0.09 m ²) |
| Length: | 33" (83.8 cm) |
| Width: | 13" (33.0 cm) |
| Height H1: | 7-1/2" (19.0 cm) |
| Height H2: | 3-1/2" |
| Weight (max): | 27 lbs (12.2 kg) |



Catalog
Number

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 up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

| DSX1 LED | | | | | | | | | | | |
|----------|-----------------------|-------------------|-----|--------------|--------|----------------------|----------------|----------------------------------|--------------------|--|------------------|
| Series | LEDs | Color temperature | | Distribution | | Voltage | Mounting | | | | |
| DSX1 LED | Forward optics | | 30K | 3000 K | T1S | Type I short | T5VS | Type V very short | MVOLT ³ | Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor ⁶ RPUMBA Round pole universal mounting adaptor ⁶ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁷ | |
| | P1 | P4 | P7 | 40K | 4000 K | T2S | Type II short | T5S | Type V short | | 120 ⁴ |
| | P2 | P5 | P8 | 50K | 5000 K | T2M | Type II medium | T5M | Type V medium | | 208 ⁴ |
| | P3 | P6 | P9 | | | T3S | Type III short | T5W | Type V wide | | 240 ⁴ |
| | Rotated optics | | | | T3M | Type III medium | BLC | Backlight control ² | 277 ⁴ | | |
| | P10 ¹ | P12 ¹ | | | T4M | Type IV medium | LCCO | Left corner cutoff ² | 347 ^{4,5} | | |
| | P11 ¹ | P13 ¹ | | | TFTM | Forward throw medium | RCCO | Right corner cutoff ² | 480 ^{4,5} | | |

| Control options | Other options | Finish (required) |
|--|---|---|
| Shipped installed NLTAIR2 nLight AIR generation 2 enabled ⁸ PIRHN Network, high/low motion/ambient sensor ⁹ PER NEMA twist-lock receptacle only (controls ordered separate) ¹⁰ PER5 Five-pin receptacle only (controls ordered separate) ^{10,11} PER7 Seven-pin receptacle only (controls ordered separate) ^{10,11} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹² DS Dual switching ^{12,13,14} | PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{15,16} PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{15,16} PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{15,16} PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{15,16} FAO Field adjustable output ¹⁴ | Shipped installed HS House-side shield ¹⁷ SF Single fuse (120, 277, 347V) ⁴ DF Double fuse (208, 240, 480V) ⁴ L90 Left rotated optics ¹ R90 Right rotated optics ¹ Shipped separately BS Bird spikes ¹⁸ EGS External glare shield ¹⁸ |
| | | DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white |



Ordering Information

Accessories

Ordered and shipped separately.

| | |
|--------------------|---|
| DLL127F 1.5 JU | Photocell - SSL twist-lock (120-277V) ¹⁹ |
| DLL347F 1.5 CUL JU | Photocell - SSL twist-lock (347V) ¹⁹ |
| DLL480F 1.5 CUL JU | Photocell - SSL twist-lock (480V) ¹⁹ |
| DSHORT SBK U | Shorting cap ¹⁹ |
| DSX1HS 30C U | House-side shield for P1, P2, P3, P4 and P5 ¹⁷ |
| DSX1HS 40C U | House-side shield for P6 and P7 ¹⁷ |
| DSX1HS 60C U | House-side shield for P8, P9, P10, P11 and P12 ¹⁷ |
| PUMBA DDBXD U* | Square and round pole universal mounting bracket (specify finish) ²⁰ |
| KMA8 DDBXD U | Mast arm mounting bracket adaptor (specify finish) ⁶ |

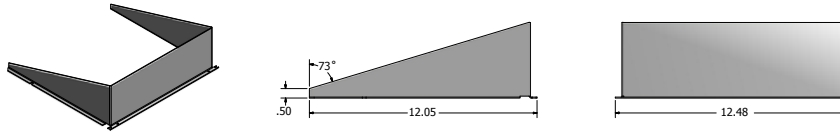
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Not available in P1 or P10.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on Light Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls options table on page 4 to see functionality.
- Not available with other dimming controls options
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

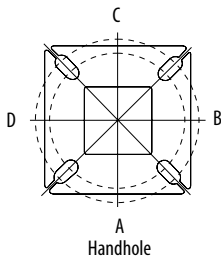
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION

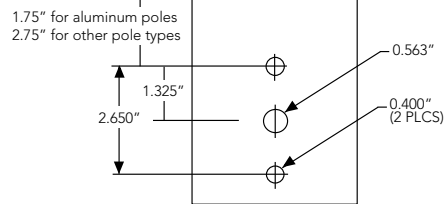


Tenon Mounting Slipfitter**

| Tenon O.D. | Mounting | Single Unit | 2 @ 180 | 2 @ 90 | 3 @ 120 | 3 @ 90 | 4 @ 90 |
|------------|----------|-------------|-----------|-----------|-----------|-----------|-----------|
| 2-3/8" | SPA/RPA | AS3-5 190 | AS3-5 280 | AS3-5 290 | AS3-5 320 | AS3-5 390 | AS3-5 490 |
| | SPUMBA | AS3-5 190 | AS3-5 280 | AS4-5 290 | AS3-5 320 | AS4-5 390 | AS4-5 490 |
| | RUPUMBA | AS3-5 190 | AS3-5 280 | | AS3-5 320 | | |
| 2-7/8" | SPA/RPA | AST25-190 | AST25-280 | AST25-290 | AST25-320 | AST25-390 | AST25-490 |
| | SPUMBA | AST25-190 | AST25-280 | | AST25-320 | | |
| | RUPUMBA | AST25-190 | AST25-280 | | AST25-320 | | |
| 4" | SPA/RPA | AST35-190 | AST35-280 | AST35-290 | AST35-320 | AST35-390 | AST35-490 |
| | SPUMBA | AST35-190 | AST35-280 | AST35-290 | AST35-320 | AST35-390 | AST35-490 |
| | RUPUMBA | AST35-190 | AST35-280 | | AST35-320 | | |

Template #8

Top of Pole



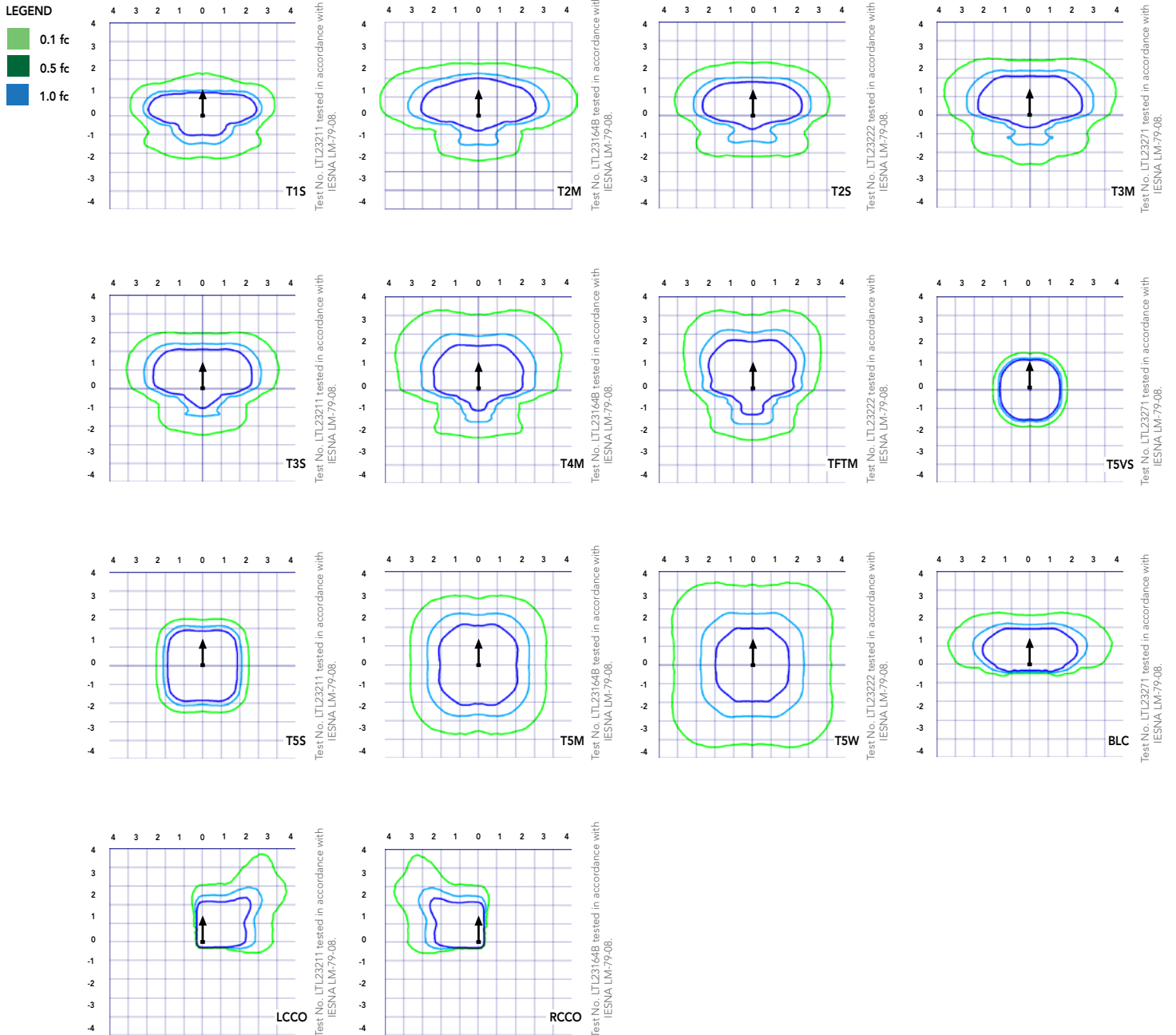
| Mounting Option | Drilling Template | Single | 2 @ 180 | 2 @ 90 | 3 @ 90 | 3 @ 120 | 4 @ 90 |
|--------------------|-------------------|--------|------------|------------|---------------|-----------------|------------------|
| Head Location | | Side B | Side B & D | Side B & C | Side B, C & D | Round Pole Only | Side A, B, C & D |
| Drill Nomenclature | #8 | DM19AS | DM28AS | DM29AS | DM39AS | DM32AS | DM49AS |

| | Drilling Template | Minimum Acceptable Outside Pole Dimension | | | | | |
|--------|-------------------|---|--------|------|------|------|------|
| SPA | #8 | 2-7/8" | 2-7/8" | 3.5" | 3.5" | 3" | 3.5" |
| RPA | #8 | 2-7/8" | 2-7/8" | 3.5" | 3.5" | 3" | 3.5" |
| SPUMBA | #5 | 2-7/8" | 3" | 4" | 4" | 3.5" | 4" |
| RPUMBA | #5 | 2-7/8" | 3.5" | 5" | 5" | 3.5" | 5" |

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 (25').



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 | 1.04 |
| 5°C | 41°F | 1.04 |
| 10°C | 50°F | 1.03 |
| 15°C | 59°F | 1.02 |
| 20°C | 68°F | 1.01 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 0.99 |
| 35°C | 95°F | 0.98 |
| 40°C | 104°F | 0.97 |

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 | Lumen Maintenance Factor |
|-----------------|--------------------------|
| 0 | 1.00 |
| 25,000 | 0.96 |
| 50,000 | 0.92 |
| 100,000 | 0.85 |

Motion Sensor Default Settings

| Option | Dimmed State | High Level (when triggered) | Photocell Operation | Dwell Time | Ramp-up Time | Ramp-down Time |
|------------------------|-----------------|-----------------------------|---------------------|------------|--------------|----------------|
| PIR or PIRH | 3V (37%) Output | 10V (100%) Output | Enabled @ 5FC | 5 min | 3 sec | 5 min |
| *PIR1FC3V or PIRH1FC3V | 3V (37%) Output | 10V (100%) Output | Enabled @ 1FC | 5 min | 3 sec | 5 min |

*for use when motion sensor is used as dusk to dawn control.

Electrical Load

| | Performance Package | LED Count | Drive Current | Wattage | Current (A) | | | | | |
|--------------------------------------|---------------------|-----------|---------------|---------|-------------|------|------|------|------|------|
| | | | | | 120 | 208 | 240 | 277 | 347 | 480 |
| Forward Optics (Non-Rotated) | P1 | 30 | 530 | 54 | 0.45 | 0.26 | 0.23 | 0.19 | 0.10 | 0.12 |
| | P2 | 30 | 700 | 70 | 0.59 | 0.34 | 0.30 | 0.25 | 0.20 | 0.16 |
| | P3 | 30 | 1050 | 102 | 0.86 | 0.50 | 0.44 | 0.38 | 0.30 | 0.22 |
| | P4 | 30 | 1250 | 125 | 1.06 | 0.60 | 0.52 | 0.46 | 0.37 | 0.27 |
| | P5 | 30 | 1400 | 138 | 1.16 | 0.67 | 0.58 | 0.51 | 0.40 | 0.29 |
| | P6 | 40 | 1250 | 163 | 1.36 | 0.78 | 0.68 | 0.59 | 0.47 | 0.34 |
| | P7 | 40 | 1400 | 183 | 1.53 | 0.88 | 0.76 | 0.66 | 0.53 | 0.38 |
| | P8 | 60 | 1050 | 207 | 1.74 | 0.98 | 0.87 | 0.76 | 0.64 | 0.49 |
| | P9 | 60 | 1250 | 241 | 2.01 | 1.16 | 1.01 | 0.89 | 0.70 | 0.51 |
| Rotated Optics (Requires L90 or R90) | P10 | 60 | 530 | 106 | 0.90 | 0.52 | 0.47 | 0.43 | 0.33 | 0.27 |
| | P11 | 60 | 700 | 137 | 1.15 | 0.67 | 0.60 | 0.53 | 0.42 | 0.32 |
| | P12 | 60 | 1050 | 207 | 1.74 | 0.99 | 0.87 | 0.76 | 0.60 | 0.46 |
| | P13 | 60 | 1250 | 231 | 1.93 | 1.12 | 0.97 | 0.86 | 0.67 | 0.49 |

Controls Options

| Nomenclature | Description | Functionality | Primary control device | Notes |
|---------------|---|---|---|--|
| FA0 | Field adjustable output device installed inside the luminaire; wired to the driver dimming leads. | Allows the luminaire to be manually dimmed, effectively trimming the light output. | FA0 device | Cannot be used with other controls options that need the 0-10V leads |
| DS | Drivers wired independently for 50/50 luminaire operation | The luminaire is wired to two separate circuits, allowing for 50/50 operation. | Independently wired drivers | Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative. |
| PERS or PER7 | Twist-lock photocell receptacle | Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals. | Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM. | Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire |
| PIR or PIRH | Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting | Luminaires dim when no occupancy is detected. | Acuity Controls SBOR | Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation. |
| NLTAIR2 PIRHN | nLight AIR enabled luminaire for motion sensing, photocell and wireless communication. | Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse. | nLight Air rSDGR | nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. |

Performance Data

Lumen Output

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

| Forward Optics | | | | | | | | | | | | | | | | | | | |
|----------------|---------------|---------------|--------------|------------|----------------------|---|---|---|-----|----------------------|---|---|---|-----|----------------------|---|---|---|-----|
| LED Count | Drive Current | Power Package | System Watts | Dist. Type | 30K (3000 K, 70 CRI) | | | | | 40K (4000 K, 70 CRI) | | | | | 50K (5000 K, 70 CRI) | | | | |
| | | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| 30 | 530 | P1 | 54W | T1S | 6,457 | 2 | 0 | 2 | 120 | 6,956 | 2 | 0 | 2 | 129 | 7,044 | 2 | 0 | 2 | 130 |
| | | | | T2S | 6,450 | 2 | 0 | 2 | 119 | 6,949 | 2 | 0 | 2 | 129 | 7,037 | 2 | 0 | 2 | 130 |
| | | | | T2M | 6,483 | 1 | 0 | 1 | 120 | 6,984 | 2 | 0 | 2 | 129 | 7,073 | 2 | 0 | 2 | 131 |
| | | | | T3S | 6,279 | 2 | 0 | 2 | 116 | 6,764 | 2 | 0 | 2 | 125 | 6,850 | 2 | 0 | 2 | 127 |
| | | | | T3M | 6,468 | 1 | 0 | 2 | 120 | 6,967 | 1 | 0 | 2 | 129 | 7,056 | 1 | 0 | 2 | 131 |
| | | | | T4M | 6,327 | 1 | 0 | 2 | 117 | 6,816 | 1 | 0 | 2 | 126 | 6,902 | 1 | 0 | 2 | 128 |
| | | | | TFTM | 6,464 | 1 | 0 | 2 | 120 | 6,963 | 1 | 0 | 2 | 129 | 7,051 | 1 | 0 | 2 | 131 |
| | | | | TSVS | 6,722 | 2 | 0 | 0 | 124 | 7,242 | 3 | 0 | 0 | 134 | 7,334 | 3 | 0 | 0 | 136 |
| | | | | T5S | 6,728 | 2 | 0 | 1 | 125 | 7,248 | 2 | 0 | 1 | 134 | 7,340 | 2 | 0 | 1 | 136 |
| | | | | T5M | 6,711 | 3 | 0 | 1 | 124 | 7,229 | 3 | 0 | 1 | 134 | 7,321 | 3 | 0 | 2 | 136 |
| | | | | TSW | 6,667 | 3 | 0 | 2 | 123 | 7,182 | 3 | 0 | 2 | 133 | 7,273 | 3 | 0 | 2 | 135 |
| | | | | BLC | 5,299 | 1 | 0 | 1 | 98 | 5,709 | 1 | 0 | 2 | 106 | 5,781 | 1 | 0 | 2 | 107 |
| | | | | LCCO | 3,943 | 1 | 0 | 2 | 73 | 4,248 | 1 | 0 | 2 | 79 | 4,302 | 1 | 0 | 2 | 80 |
| | | | | RCCO | 3,943 | 1 | 0 | 2 | 73 | 4,248 | 1 | 0 | 2 | 79 | 4,302 | 1 | 0 | 2 | 80 |
| 30 | 700 | P2 | 70W | T1S | 8,249 | 2 | 0 | 2 | 118 | 8,886 | 2 | 0 | 2 | 127 | 8,999 | 2 | 0 | 2 | 129 |
| | | | | T2S | 8,240 | 2 | 0 | 2 | 118 | 8,877 | 2 | 0 | 2 | 127 | 8,989 | 2 | 0 | 2 | 128 |
| | | | | T2M | 8,283 | 2 | 0 | 2 | 118 | 8,923 | 2 | 0 | 2 | 127 | 9,036 | 2 | 0 | 2 | 129 |
| | | | | T3S | 8,021 | 2 | 0 | 2 | 115 | 8,641 | 2 | 0 | 2 | 123 | 8,751 | 2 | 0 | 2 | 125 |
| | | | | T3M | 8,263 | 2 | 0 | 2 | 118 | 8,901 | 2 | 0 | 2 | 127 | 9,014 | 2 | 0 | 2 | 129 |
| | | | | T4M | 8,083 | 2 | 0 | 2 | 115 | 8,708 | 2 | 0 | 2 | 124 | 8,818 | 2 | 0 | 2 | 126 |
| | | | | TFTM | 8,257 | 2 | 0 | 2 | 118 | 8,896 | 2 | 0 | 2 | 127 | 9,008 | 2 | 0 | 2 | 129 |
| | | | | TSVS | 8,588 | 3 | 0 | 0 | 123 | 9,252 | 3 | 0 | 0 | 132 | 9,369 | 3 | 0 | 0 | 134 |
| | | | | T5S | 8,595 | 3 | 0 | 1 | 123 | 9,259 | 3 | 0 | 1 | 132 | 9,376 | 3 | 0 | 1 | 134 |
| | | | | T5M | 8,573 | 3 | 0 | 2 | 122 | 9,236 | 3 | 0 | 2 | 132 | 9,353 | 3 | 0 | 2 | 134 |
| | | | | TSW | 8,517 | 3 | 0 | 2 | 122 | 9,175 | 4 | 0 | 2 | 131 | 9,291 | 4 | 0 | 2 | 133 |
| | | | | BLC | 6,770 | 1 | 0 | 2 | 97 | 7,293 | 1 | 0 | 2 | 104 | 7,386 | 1 | 0 | 2 | 106 |
| | | | | LCCO | 5,038 | 1 | 0 | 2 | 72 | 5,427 | 1 | 0 | 2 | 78 | 5,496 | 1 | 0 | 2 | 79 |
| | | | | RCCO | 5,038 | 1 | 0 | 2 | 72 | 5,427 | 1 | 0 | 2 | 78 | 5,496 | 1 | 0 | 2 | 79 |
| 30 | 1050 | P3 | 102W | T1S | 11,661 | 2 | 0 | 2 | 114 | 12,562 | 3 | 0 | 3 | 123 | 12,721 | 3 | 0 | 3 | 125 |
| | | | | T2S | 11,648 | 2 | 0 | 2 | 114 | 12,548 | 3 | 0 | 3 | 123 | 12,707 | 3 | 0 | 3 | 125 |
| | | | | T2M | 11,708 | 2 | 0 | 2 | 115 | 12,613 | 2 | 0 | 2 | 124 | 12,773 | 2 | 0 | 2 | 125 |
| | | | | T3S | 11,339 | 2 | 0 | 2 | 111 | 12,215 | 3 | 0 | 3 | 120 | 12,370 | 3 | 0 | 3 | 121 |
| | | | | T3M | 11,680 | 2 | 0 | 2 | 115 | 12,582 | 2 | 0 | 2 | 123 | 12,742 | 2 | 0 | 2 | 125 |
| | | | | T4M | 11,426 | 2 | 0 | 3 | 112 | 12,309 | 2 | 0 | 3 | 121 | 12,465 | 2 | 0 | 3 | 122 |
| | | | | TFTM | 11,673 | 2 | 0 | 2 | 114 | 12,575 | 2 | 0 | 3 | 123 | 12,734 | 2 | 0 | 3 | 125 |
| | | | | TSVS | 12,140 | 3 | 0 | 1 | 119 | 13,078 | 3 | 0 | 1 | 128 | 13,244 | 3 | 0 | 1 | 130 |
| | | | | T5S | 12,150 | 3 | 0 | 1 | 119 | 13,089 | 3 | 0 | 1 | 128 | 13,254 | 3 | 0 | 1 | 130 |
| | | | | T5M | 12,119 | 4 | 0 | 2 | 119 | 13,056 | 4 | 0 | 2 | 128 | 13,221 | 4 | 0 | 2 | 130 |
| | | | | TSW | 12,040 | 4 | 0 | 3 | 118 | 12,970 | 4 | 0 | 3 | 127 | 13,134 | 4 | 0 | 3 | 129 |
| | | | | BLC | 9,570 | 1 | 0 | 2 | 94 | 10,310 | 1 | 0 | 2 | 101 | 10,440 | 1 | 0 | 2 | 102 |
| | | | | LCCO | 7,121 | 1 | 0 | 3 | 70 | 7,671 | 1 | 0 | 3 | 75 | 7,768 | 1 | 0 | 3 | 76 |
| | | | | RCCO | 7,121 | 1 | 0 | 3 | 70 | 7,671 | 1 | 0 | 3 | 75 | 7,768 | 1 | 0 | 3 | 76 |
| 30 | 1250 | P4 | 125W | T1S | 13,435 | 3 | 0 | 3 | 107 | 14,473 | 3 | 0 | 3 | 116 | 14,657 | 3 | 0 | 3 | 117 |
| | | | | T2S | 13,421 | 3 | 0 | 3 | 107 | 14,458 | 3 | 0 | 3 | 116 | 14,641 | 3 | 0 | 3 | 117 |
| | | | | T2M | 13,490 | 2 | 0 | 2 | 108 | 14,532 | 3 | 0 | 3 | 116 | 14,716 | 3 | 0 | 3 | 118 |
| | | | | T3S | 13,064 | 3 | 0 | 3 | 105 | 14,074 | 3 | 0 | 3 | 113 | 14,252 | 3 | 0 | 3 | 114 |
| | | | | T3M | 13,457 | 2 | 0 | 2 | 108 | 14,497 | 2 | 0 | 2 | 116 | 14,681 | 2 | 0 | 2 | 117 |
| | | | | T4M | 13,165 | 2 | 0 | 3 | 105 | 14,182 | 2 | 0 | 3 | 113 | 14,362 | 2 | 0 | 3 | 115 |
| | | | | TFTM | 13,449 | 2 | 0 | 3 | 108 | 14,488 | 2 | 0 | 3 | 116 | 14,672 | 2 | 0 | 3 | 117 |
| | | | | TSVS | 13,987 | 4 | 0 | 1 | 112 | 15,068 | 4 | 0 | 1 | 121 | 15,259 | 4 | 0 | 1 | 122 |
| | | | | T5S | 13,999 | 3 | 0 | 1 | 112 | 15,080 | 3 | 0 | 1 | 121 | 15,271 | 3 | 0 | 1 | 122 |
| | | | | T5M | 13,963 | 4 | 0 | 2 | 112 | 15,042 | 4 | 0 | 2 | 120 | 15,233 | 4 | 0 | 2 | 122 |
| | | | | TSW | 13,872 | 4 | 0 | 3 | 111 | 14,944 | 4 | 0 | 3 | 120 | 15,133 | 4 | 0 | 3 | 121 |
| | | | | BLC | 11,027 | 1 | 0 | 2 | 88 | 11,879 | 1 | 0 | 2 | 95 | 12,029 | 1 | 0 | 2 | 96 |
| | | | | LCCO | 8,205 | 1 | 0 | 3 | 66 | 8,839 | 1 | 0 | 3 | 71 | 8,951 | 1 | 0 | 3 | 72 |
| | | | | RCCO | 8,205 | 1 | 0 | 3 | 66 | 8,839 | 1 | 0 | 3 | 71 | 8,951 | 1 | 0 | 3 | 72 |
| 30 | 1400 | P5 | 138W | T1S | 14,679 | 3 | 0 | 3 | 106 | 15,814 | 3 | 0 | 3 | 115 | 16,014 | 3 | 0 | 3 | 116 |
| | | | | T2S | 14,664 | 3 | 0 | 3 | 106 | 15,797 | 3 | 0 | 3 | 114 | 15,997 | 3 | 0 | 3 | 116 |
| | | | | T2M | 14,739 | 3 | 0 | 3 | 107 | 15,878 | 3 | 0 | 3 | 115 | 16,079 | 3 | 0 | 3 | 117 |
| | | | | T3S | 14,274 | 3 | 0 | 3 | 103 | 15,377 | 3 | 0 | 3 | 111 | 15,572 | 3 | 0 | 3 | 113 |
| | | | | T3M | 14,704 | 2 | 0 | 3 | 107 | 15,840 | 3 | 0 | 3 | 115 | 16,040 | 3 | 0 | 3 | 116 |
| | | | | T4M | 14,384 | 2 | 0 | 3 | 104 | 15,496 | 3 | 0 | 3 | 112 | 15,692 | 3 | 0 | 3 | 114 |
| | | | | TFTM | 14,695 | 2 | 0 | 3 | 106 | 15,830 | 3 | 0 | 3 | 115 | 16,030 | 3 | 0 | 3 | 116 |
| | | | | TSVS | 15,283 | 4 | 0 | 1 | 111 | 16,464 | 4 | 0 | 1 | 119 | 16,672 | 4 | 0 | 1 | 121 |
| | | | | T5S | 15,295 | 3 | 0 | 1 | 111 | 16,477 | 4 | 0 | 1 | 119 | 16,686 | 4 | 0 | 1 | 121 |
| | | | | T5M | 15,257 | 4 | 0 | 2 | 111 | 16,435 | 4 | 0 | 2 | 119 | 16,644 | 4 | 0 | 2 | 121 |
| | | | | TSW | 15,157 | 4 | 0 | 3 | 110 | 16,328 | 4 | 0 | 3 | 118 | 16,534 | 4 | 0 | 3 | 120 |
| | | | | BLC | 12,048 | 1 | 0 | 2 | 87 | 12,979 | 1 | 0 | 2 | 94 | 13,143 | 1 | 0 | 2 | 95 |
| | | | | LCCO | 8,965 | 1 | 0 | 3 | 65 | 9,657 | 1 | 0 | 3 | 70 | 9,780 | 1 | 0 | 3 | 71 |
| | | | | RCCO | 8,965 | 1 | 0 | 3 | 65 | 9,657 | 1 | 0 | 3 | 70 | 9,780 | 1 | 0 | 3 | 71 |



Performance Data

Lumen Output

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

| Forward Optics | | | | | | | | | | | | | | | | | | | |
|----------------|---------------|---------------|--------------|------------|----------------------|---|---|---|-----|----------------------|---|---|---|-----|----------------------|---|---|---|-----|
| LED Count | Drive Current | Power Package | System Watts | Dist. Type | 30K (3000 K, 70 CRI) | | | | | 40K (4000 K, 70 CRI) | | | | | 50K (5000 K, 70 CRI) | | | | |
| | | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| 40 | 1250 | P6 | 163W | T1S | 17,654 | 3 | 0 | 3 | 108 | 19,018 | 3 | 0 | 3 | 117 | 19,259 | 3 | 0 | 3 | 118 |
| | | | | T2S | 17,635 | 3 | 0 | 3 | 108 | 18,998 | 3 | 0 | 3 | 117 | 19,238 | 3 | 0 | 3 | 118 |
| | | | | T2M | 17,726 | 3 | 0 | 3 | 109 | 19,096 | 3 | 0 | 3 | 117 | 19,337 | 3 | 0 | 3 | 119 |
| | | | | T3S | 17,167 | 3 | 0 | 3 | 105 | 18,493 | 3 | 0 | 3 | 113 | 18,727 | 3 | 0 | 3 | 115 |
| | | | | T3M | 17,683 | 3 | 0 | 3 | 108 | 19,049 | 3 | 0 | 3 | 117 | 19,290 | 3 | 0 | 3 | 118 |
| | | | | T4M | 17,299 | 3 | 0 | 3 | 106 | 18,635 | 3 | 0 | 4 | 114 | 18,871 | 3 | 0 | 4 | 116 |
| | | | | TFTM | 17,672 | 3 | 0 | 3 | 108 | 19,038 | 3 | 0 | 4 | 117 | 19,279 | 3 | 0 | 4 | 118 |
| | | | | TSVS | 18,379 | 4 | 0 | 1 | 113 | 19,800 | 4 | 0 | 1 | 121 | 20,050 | 4 | 0 | 1 | 123 |
| | | | | T5S | 18,394 | 4 | 0 | 2 | 113 | 19,816 | 4 | 0 | 2 | 122 | 20,066 | 4 | 0 | 2 | 123 |
| | | | | T5M | 18,348 | 4 | 0 | 2 | 113 | 19,766 | 4 | 0 | 2 | 121 | 20,016 | 4 | 0 | 2 | 123 |
| | | | | TSW | 18,228 | 5 | 0 | 3 | 112 | 19,636 | 5 | 0 | 3 | 120 | 19,885 | 5 | 0 | 3 | 122 |
| | | | | BLC | 14,489 | 2 | 0 | 2 | 89 | 15,609 | 2 | 0 | 3 | 96 | 15,806 | 2 | 0 | 3 | 97 |
| | | | | LCCO | 10,781 | 1 | 0 | 3 | 66 | 11,614 | 1 | 0 | 3 | 71 | 11,761 | 2 | 0 | 3 | 72 |
| | | | | RCCO | 10,781 | 1 | 0 | 3 | 66 | 11,614 | 1 | 0 | 3 | 71 | 11,761 | 2 | 0 | 3 | 72 |
| 40 | 1400 | P7 | 183W | T1S | 19,227 | 3 | 0 | 3 | 105 | 20,712 | 3 | 0 | 3 | 113 | 20,975 | 3 | 0 | 3 | 115 |
| | | | | T2S | 19,206 | 3 | 0 | 3 | 105 | 20,690 | 3 | 0 | 3 | 113 | 20,952 | 3 | 0 | 3 | 114 |
| | | | | T2M | 19,305 | 3 | 0 | 3 | 105 | 20,797 | 3 | 0 | 3 | 114 | 21,060 | 3 | 0 | 3 | 115 |
| | | | | T3S | 18,696 | 3 | 0 | 3 | 102 | 20,141 | 3 | 0 | 3 | 110 | 20,396 | 3 | 0 | 4 | 111 |
| | | | | T3M | 19,258 | 3 | 0 | 3 | 105 | 20,746 | 3 | 0 | 3 | 113 | 21,009 | 3 | 0 | 3 | 115 |
| | | | | T4M | 18,840 | 3 | 0 | 4 | 103 | 20,296 | 3 | 0 | 4 | 111 | 20,553 | 3 | 0 | 4 | 112 |
| | | | | TFTM | 19,246 | 3 | 0 | 4 | 105 | 20,734 | 3 | 0 | 4 | 113 | 20,996 | 3 | 0 | 4 | 115 |
| | | | | TSVS | 20,017 | 4 | 0 | 1 | 109 | 21,564 | 4 | 0 | 1 | 118 | 21,837 | 4 | 0 | 1 | 119 |
| | | | | T5S | 20,033 | 4 | 0 | 2 | 109 | 21,581 | 4 | 0 | 2 | 118 | 21,854 | 4 | 0 | 2 | 119 |
| | | | | T5M | 19,983 | 4 | 0 | 2 | 109 | 21,527 | 5 | 0 | 3 | 118 | 21,799 | 5 | 0 | 3 | 119 |
| | | | | TSW | 19,852 | 5 | 0 | 3 | 108 | 21,386 | 5 | 0 | 3 | 117 | 21,656 | 5 | 0 | 3 | 118 |
| | | | | BLC | 15,780 | 2 | 0 | 3 | 86 | 16,999 | 2 | 0 | 3 | 93 | 17,214 | 2 | 0 | 3 | 94 |
| | | | | LCCO | 11,742 | 2 | 0 | 3 | 64 | 12,649 | 2 | 0 | 3 | 69 | 12,809 | 2 | 0 | 3 | 70 |
| | | | | RCCO | 11,742 | 2 | 0 | 3 | 64 | 12,649 | 2 | 0 | 3 | 69 | 12,809 | 2 | 0 | 3 | 70 |
| 60 | 1050 | P8 | 207W | T1S | 22,490 | 3 | 0 | 3 | 109 | 24,228 | 3 | 0 | 3 | 117 | 24,535 | 3 | 0 | 3 | 119 |
| | | | | T2S | 22,466 | 3 | 0 | 4 | 109 | 24,202 | 3 | 0 | 4 | 117 | 24,509 | 3 | 0 | 4 | 118 |
| | | | | T2M | 22,582 | 3 | 0 | 3 | 109 | 24,327 | 3 | 0 | 3 | 118 | 24,635 | 3 | 0 | 3 | 119 |
| | | | | T3S | 21,870 | 3 | 0 | 4 | 106 | 23,560 | 3 | 0 | 4 | 114 | 23,858 | 3 | 0 | 4 | 115 |
| | | | | T3M | 22,527 | 3 | 0 | 4 | 109 | 24,268 | 3 | 0 | 4 | 117 | 24,575 | 3 | 0 | 4 | 119 |
| | | | | T4M | 22,038 | 3 | 0 | 4 | 106 | 23,741 | 3 | 0 | 4 | 115 | 24,041 | 3 | 0 | 4 | 116 |
| | | | | TFTM | 22,513 | 3 | 0 | 4 | 109 | 24,253 | 3 | 0 | 4 | 117 | 24,560 | 3 | 0 | 4 | 119 |
| | | | | TSVS | 23,415 | 5 | 0 | 1 | 113 | 25,224 | 5 | 0 | 1 | 122 | 25,543 | 5 | 0 | 1 | 123 |
| | | | | T5S | 23,434 | 4 | 0 | 2 | 113 | 25,244 | 4 | 0 | 2 | 122 | 25,564 | 4 | 0 | 2 | 123 |
| | | | | T5M | 23,374 | 5 | 0 | 3 | 113 | 25,181 | 5 | 0 | 3 | 122 | 25,499 | 5 | 0 | 3 | 123 |
| | | | | TSW | 23,221 | 5 | 0 | 4 | 112 | 25,016 | 5 | 0 | 4 | 121 | 25,332 | 5 | 0 | 4 | 122 |
| | | | | BLC | 18,458 | 2 | 0 | 3 | 89 | 19,885 | 2 | 0 | 3 | 96 | 20,136 | 2 | 0 | 3 | 97 |
| | | | | LCCO | 13,735 | 2 | 0 | 3 | 66 | 14,796 | 2 | 0 | 4 | 71 | 14,983 | 2 | 0 | 4 | 72 |
| | | | | RCCO | 13,735 | 2 | 0 | 3 | 66 | 14,796 | 2 | 0 | 4 | 71 | 14,983 | 2 | 0 | 4 | 72 |
| 60 | 1250 | P9 | 241W | T1S | 25,575 | 3 | 0 | 3 | 106 | 27,551 | 3 | 0 | 3 | 114 | 27,900 | 3 | 0 | 3 | 116 |
| | | | | T2S | 25,548 | 3 | 0 | 4 | 106 | 27,522 | 3 | 0 | 4 | 114 | 27,871 | 3 | 0 | 4 | 116 |
| | | | | T2M | 25,680 | 3 | 0 | 3 | 107 | 27,664 | 3 | 0 | 3 | 115 | 28,014 | 3 | 0 | 3 | 116 |
| | | | | T3S | 24,870 | 3 | 0 | 4 | 103 | 26,791 | 3 | 0 | 4 | 111 | 27,130 | 3 | 0 | 4 | 113 |
| | | | | T3M | 25,617 | 3 | 0 | 4 | 106 | 27,597 | 3 | 0 | 4 | 115 | 27,946 | 3 | 0 | 4 | 116 |
| | | | | T4M | 25,061 | 3 | 0 | 4 | 104 | 26,997 | 3 | 0 | 4 | 112 | 27,339 | 3 | 0 | 4 | 113 |
| | | | | TFTM | 25,602 | 3 | 0 | 4 | 106 | 27,580 | 3 | 0 | 4 | 114 | 27,929 | 3 | 0 | 4 | 116 |
| | | | | TSVS | 26,626 | 5 | 0 | 1 | 110 | 28,684 | 5 | 0 | 1 | 119 | 29,047 | 5 | 0 | 1 | 121 |
| | | | | T5S | 26,648 | 4 | 0 | 2 | 111 | 28,707 | 5 | 0 | 2 | 119 | 29,070 | 5 | 0 | 2 | 121 |
| | | | | T5M | 26,581 | 5 | 0 | 3 | 110 | 28,635 | 5 | 0 | 3 | 119 | 28,997 | 5 | 0 | 3 | 120 |
| | | | | TSW | 26,406 | 5 | 0 | 4 | 110 | 28,447 | 5 | 0 | 4 | 118 | 28,807 | 5 | 0 | 4 | 120 |
| | | | | BLC | 20,990 | 2 | 0 | 3 | 87 | 22,612 | 2 | 0 | 3 | 94 | 22,898 | 2 | 0 | 3 | 95 |
| | | | | LCCO | 15,619 | 2 | 0 | 4 | 65 | 16,825 | 2 | 0 | 4 | 70 | 17,038 | 2 | 0 | 4 | 71 |
| | | | | RCCO | 15,619 | 2 | 0 | 4 | 65 | 16,825 | 2 | 0 | 4 | 70 | 17,038 | 2 | 0 | 4 | 71 |

Performance Data

Lumen Output

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

| Rotated Optics | | | | | | | | | | | | | | | | | | | |
|----------------|---------------|---------------|--------------|------------|----------------------|---|---|---|-----|----------------------|---|---|---|-----|----------------------|---|---|---|-----|
| LED Count | Drive Current | Power Package | System Watts | Dist. Type | 30K (3000 K, 70 CRI) | | | | | 40K (4000 K, 70 CRI) | | | | | 50K (5000 K, 70 CRI) | | | | |
| | | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| 60 | 530 | P10 | 106W | T1S | 13,042 | 3 | 0 | 3 | 123 | 14,050 | 3 | 0 | 3 | 133 | 14,228 | 3 | 0 | 3 | 134 |
| | | | | T2S | 12,967 | 4 | 0 | 4 | 122 | 13,969 | 4 | 0 | 4 | 132 | 14,146 | 4 | 0 | 4 | 133 |
| | | | | T2M | 13,201 | 3 | 0 | 3 | 125 | 14,221 | 3 | 0 | 3 | 134 | 14,401 | 3 | 0 | 3 | 136 |
| | | | | T3S | 12,766 | 4 | 0 | 4 | 120 | 13,752 | 4 | 0 | 4 | 130 | 13,926 | 4 | 0 | 4 | 131 |
| | | | | T3M | 13,193 | 4 | 0 | 4 | 124 | 14,213 | 4 | 0 | 4 | 134 | 14,393 | 4 | 0 | 4 | 136 |
| | | | | T4M | 12,944 | 4 | 0 | 4 | 122 | 13,945 | 4 | 0 | 4 | 132 | 14,121 | 4 | 0 | 4 | 133 |
| | | | | TFTM | 13,279 | 4 | 0 | 4 | 125 | 14,305 | 4 | 0 | 4 | 135 | 14,486 | 4 | 0 | 4 | 137 |
| | | | | TSVS | 13,372 | 3 | 0 | 1 | 126 | 14,405 | 4 | 0 | 1 | 136 | 14,588 | 4 | 0 | 1 | 138 |
| | | | | T5S | 13,260 | 3 | 0 | 1 | 125 | 14,284 | 3 | 0 | 1 | 135 | 14,465 | 3 | 0 | 1 | 136 |
| | | | | T5M | 13,256 | 4 | 0 | 2 | 125 | 14,281 | 4 | 0 | 2 | 135 | 14,462 | 4 | 0 | 2 | 136 |
| | | | | TSW | 13,137 | 4 | 0 | 3 | 124 | 14,153 | 4 | 0 | 3 | 134 | 14,332 | 4 | 0 | 3 | 135 |
| | | | | BLC | 10,906 | 3 | 0 | 3 | 103 | 11,749 | 3 | 0 | 3 | 111 | 11,898 | 3 | 0 | 3 | 112 |
| | | | | LCCO | 7,789 | 1 | 0 | 3 | 73 | 8,391 | 1 | 0 | 3 | 79 | 8,497 | 1 | 0 | 3 | 80 |
| | | | | RCCO | 7,779 | 4 | 0 | 4 | 73 | 8,380 | 4 | 0 | 4 | 79 | 8,486 | 4 | 0 | 4 | 80 |
| 60 | 700 | P11 | 137W | T1S | 16,556 | 3 | 0 | 3 | 121 | 17,835 | 3 | 0 | 3 | 130 | 18,061 | 4 | 0 | 4 | 132 |
| | | | | T2S | 16,461 | 4 | 0 | 4 | 120 | 17,733 | 4 | 0 | 4 | 129 | 17,957 | 4 | 0 | 4 | 131 |
| | | | | T2M | 16,758 | 4 | 0 | 4 | 122 | 18,053 | 4 | 0 | 4 | 132 | 18,281 | 4 | 0 | 4 | 133 |
| | | | | T3S | 16,205 | 4 | 0 | 4 | 118 | 17,457 | 4 | 0 | 4 | 127 | 17,678 | 4 | 0 | 4 | 129 |
| | | | | T3M | 16,748 | 4 | 0 | 4 | 122 | 18,042 | 4 | 0 | 4 | 132 | 18,271 | 4 | 0 | 4 | 133 |
| | | | | T4M | 16,432 | 4 | 0 | 4 | 120 | 17,702 | 4 | 0 | 4 | 129 | 17,926 | 4 | 0 | 4 | 131 |
| | | | | TFTM | 16,857 | 4 | 0 | 4 | 123 | 18,159 | 4 | 0 | 4 | 133 | 18,389 | 4 | 0 | 4 | 134 |
| | | | | TSVS | 16,975 | 4 | 0 | 1 | 124 | 18,287 | 4 | 0 | 1 | 133 | 18,518 | 4 | 0 | 1 | 135 |
| | | | | T5S | 16,832 | 4 | 0 | 1 | 123 | 18,133 | 4 | 0 | 2 | 132 | 18,362 | 4 | 0 | 2 | 134 |
| | | | | T5M | 16,828 | 4 | 0 | 2 | 123 | 18,128 | 4 | 0 | 2 | 132 | 18,358 | 4 | 0 | 2 | 134 |
| | | | | TSW | 16,677 | 4 | 0 | 3 | 122 | 17,966 | 5 | 0 | 3 | 131 | 18,193 | 5 | 0 | 3 | 133 |
| | | | | BLC | 13,845 | 3 | 0 | 3 | 101 | 14,915 | 3 | 0 | 3 | 109 | 15,103 | 3 | 0 | 3 | 110 |
| | | | | LCCO | 9,888 | 1 | 0 | 3 | 72 | 10,652 | 2 | 0 | 3 | 78 | 10,787 | 2 | 0 | 3 | 79 |
| | | | | RCCO | 9,875 | 4 | 0 | 4 | 72 | 10,638 | 4 | 0 | 4 | 78 | 10,773 | 4 | 0 | 4 | 79 |
| 60 | 1050 | P12 | 207W | T1S | 22,996 | 4 | 0 | 4 | 111 | 24,773 | 4 | 0 | 4 | 120 | 25,087 | 4 | 0 | 4 | 121 |
| | | | | T2S | 22,864 | 4 | 0 | 4 | 110 | 24,631 | 5 | 0 | 5 | 119 | 24,943 | 5 | 0 | 5 | 120 |
| | | | | T2M | 23,277 | 4 | 0 | 4 | 112 | 25,075 | 4 | 0 | 4 | 121 | 25,393 | 4 | 0 | 4 | 123 |
| | | | | T3S | 22,509 | 4 | 0 | 4 | 109 | 24,248 | 5 | 0 | 5 | 117 | 24,555 | 5 | 0 | 5 | 119 |
| | | | | T3M | 23,263 | 4 | 0 | 4 | 112 | 25,061 | 4 | 0 | 4 | 121 | 25,378 | 4 | 0 | 4 | 123 |
| | | | | T4M | 22,824 | 5 | 0 | 5 | 110 | 24,588 | 5 | 0 | 5 | 119 | 24,899 | 5 | 0 | 5 | 120 |
| | | | | TFTM | 23,414 | 5 | 0 | 5 | 113 | 25,223 | 5 | 0 | 5 | 122 | 25,543 | 5 | 0 | 5 | 123 |
| | | | | TSVS | 23,579 | 5 | 0 | 1 | 114 | 25,401 | 5 | 0 | 1 | 123 | 25,722 | 5 | 0 | 1 | 124 |
| | | | | T5S | 23,380 | 4 | 0 | 2 | 113 | 25,187 | 4 | 0 | 2 | 122 | 25,506 | 4 | 0 | 2 | 123 |
| | | | | T5M | 23,374 | 5 | 0 | 3 | 113 | 25,181 | 5 | 0 | 3 | 122 | 25,499 | 5 | 0 | 3 | 123 |
| | | | | TSW | 23,165 | 5 | 0 | 4 | 112 | 24,955 | 5 | 0 | 4 | 121 | 25,271 | 5 | 0 | 4 | 122 |
| | | | | BLC | 19,231 | 4 | 0 | 4 | 93 | 20,717 | 4 | 0 | 4 | 100 | 20,979 | 4 | 0 | 4 | 101 |
| | | | | LCCO | 13,734 | 2 | 0 | 3 | 66 | 14,796 | 2 | 0 | 4 | 71 | 14,983 | 2 | 0 | 4 | 72 |
| | | | | RCCO | 13,716 | 4 | 0 | 4 | 66 | 14,776 | 4 | 0 | 4 | 71 | 14,963 | 4 | 0 | 4 | 72 |
| 60 | 1250 | P13 | 231W | T1S | 25,400 | 4 | 0 | 4 | 110 | 27,363 | 4 | 0 | 4 | 118 | 27,709 | 4 | 0 | 4 | 120 |
| | | | | T2S | 25,254 | 5 | 0 | 5 | 109 | 27,205 | 5 | 0 | 5 | 118 | 27,550 | 5 | 0 | 5 | 119 |
| | | | | T2M | 25,710 | 4 | 0 | 4 | 111 | 27,696 | 4 | 0 | 4 | 120 | 28,047 | 4 | 0 | 4 | 121 |
| | | | | T3S | 24,862 | 5 | 0 | 5 | 108 | 26,783 | 5 | 0 | 5 | 116 | 27,122 | 5 | 0 | 5 | 117 |
| | | | | T3M | 25,695 | 5 | 0 | 5 | 111 | 27,680 | 5 | 0 | 5 | 120 | 28,031 | 5 | 0 | 5 | 121 |
| | | | | T4M | 25,210 | 5 | 0 | 5 | 109 | 27,158 | 5 | 0 | 5 | 118 | 27,502 | 5 | 0 | 5 | 119 |
| | | | | TFTM | 25,861 | 5 | 0 | 5 | 112 | 27,860 | 5 | 0 | 5 | 121 | 28,212 | 5 | 0 | 5 | 122 |
| | | | | TSVS | 26,043 | 5 | 0 | 1 | 113 | 28,056 | 5 | 0 | 1 | 121 | 28,411 | 5 | 0 | 1 | 123 |
| | | | | T5S | 25,824 | 4 | 0 | 2 | 112 | 27,819 | 5 | 0 | 2 | 120 | 28,172 | 5 | 0 | 2 | 122 |
| | | | | T5M | 25,818 | 5 | 0 | 3 | 112 | 27,813 | 5 | 0 | 3 | 120 | 28,165 | 5 | 0 | 3 | 122 |
| | | | | TSW | 25,586 | 5 | 0 | 4 | 111 | 27,563 | 5 | 0 | 4 | 119 | 27,912 | 5 | 0 | 4 | 121 |
| | | | | BLC | 21,241 | 4 | 0 | 4 | 92 | 22,882 | 4 | 0 | 4 | 99 | 23,172 | 4 | 0 | 4 | 100 |
| | | | | LCCO | 15,170 | 2 | 0 | 4 | 66 | 16,342 | 2 | 0 | 4 | 71 | 16,549 | 2 | 0 | 4 | 72 |
| | | | | RCCO | 15,150 | 5 | 0 | 5 | 66 | 16,321 | 5 | 0 | 5 | 71 | 16,527 | 5 | 0 | 5 | 72 |

Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

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

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

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 drivers are 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 (1.01 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 3000 K, 4000 K and 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 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

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 (template #8). 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) Premium qualified product and DLC qualified product.

Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomResources/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.

