ARCHITECTURE GROUP 4600 East Indian School Road Phoenix, Arizona 85018 P|602.840.2929 F|602.840.6646 www.2929.com

August 25, 2016

PROJECT:	**TruStop Manufacturing Building**
OWNER:	**Jackson Commercial Real Estate, LLC**
APPLICANT:	**Dustin Chisum, Deutsch Architecture Group**
CASE NUMBER:	**PS16-061 (PLN2016-00523)**
ADDRESS:	**3505 North Greenfield Road**
LOCATION:	**SEC Greenfield Road & North 202**
Existing General Plan:	**Employment**
Existing Zoning District:	**GI-General Industrial**

PROJECT NARRATIVE:

The TruStop Industrial Building is a speculative 90,876 SF Multi-tenant building located on the Southeast corner of Loop 202 North (Red Mountain Freeway) and Greenfield Road in Mesa, Arizona. The building is designed to accommodate two (2) tenants of manufacturing and warehouse occupancy with accessory office space. TruStop, Inc. has a preliminary contract to occupy 65% of the building. The remaining 35% will be constructed as shell space and future growth for TruStop.

Site Design

The site is designed to accommodate semi trucks for delivery and shipping of large manufacturing equipment. Access to the site is via a new driveway located on Virginia St. by a cross access agreement as detailed in the paragraph below. Egress from the site will be via the new driveway on Virginia Street as well as a new driveway on Greenfield Road that is right turn only. The building is surrounded by a firelane on all sides, with fire hydrants provided at code-required intervals. Trash enclosures are located at the Northwest and Northeast corners of the site and will be concealed with City of Mesa approved enclosures. Landscape areas are provided at the building public entry to provide transition from building walls to public areas. The landscape islands are provided at the parking areas surrounding the building on three sides and are designed to meet the City of Mesa landscaping standards.

Lot Combination/Cross Access Agreements

See attached Exhibit. Parcel A, TruStop development site to be developed by Baie Fine, LLC or nominee (Jackson Companies). Parcel B, to be owned by Baie Fine, LLC or nominee (Jackson Companies) and to be sold or developed with Parcel C (Colebank Family Limited Trust), through a joint marketing agreement. Parcels B and C to be sold or developed together, and will be granted an easement to the private drive that runs along the eastern side of the property from Virginia heading north.

Grading and Drainage

The site grading and drainage design has been done according to the procedures detailed in the City of Mesa Engineering Procedure Manual, 2012. The onsite drainage will be conveyed via roof drains and overland flow across the parking lot and drives into catch basins and curb openings that outlet into three proposed surface retention basins and a proposed underground retention tank. Stored stormwater run-off will dispel utilizing natural percolation and drywells.

Landscape Design

The landscaping will consist of low water-use, low maintenance, desert native and adapted plant material. The Evergreen elm trees will provide ample shade in the parking lot to pedestrians and cars. The Palo Verde trees accented around the south side of the building will provide seasonal color and interest to all building users. The landscaping in the retention

basin along the west property line will add to the existing plant material already present along Greenfield road which has been installed by ADOT. That landscaping will consist of Mesquite trees and low water use shrubs that will provide color and interest all year round. The rest of the site will utilize a variety of low water use, desert adapted shrubs and accent plants to further soften the hardscape and provide seasonal color with the diverse foliage and flowers.

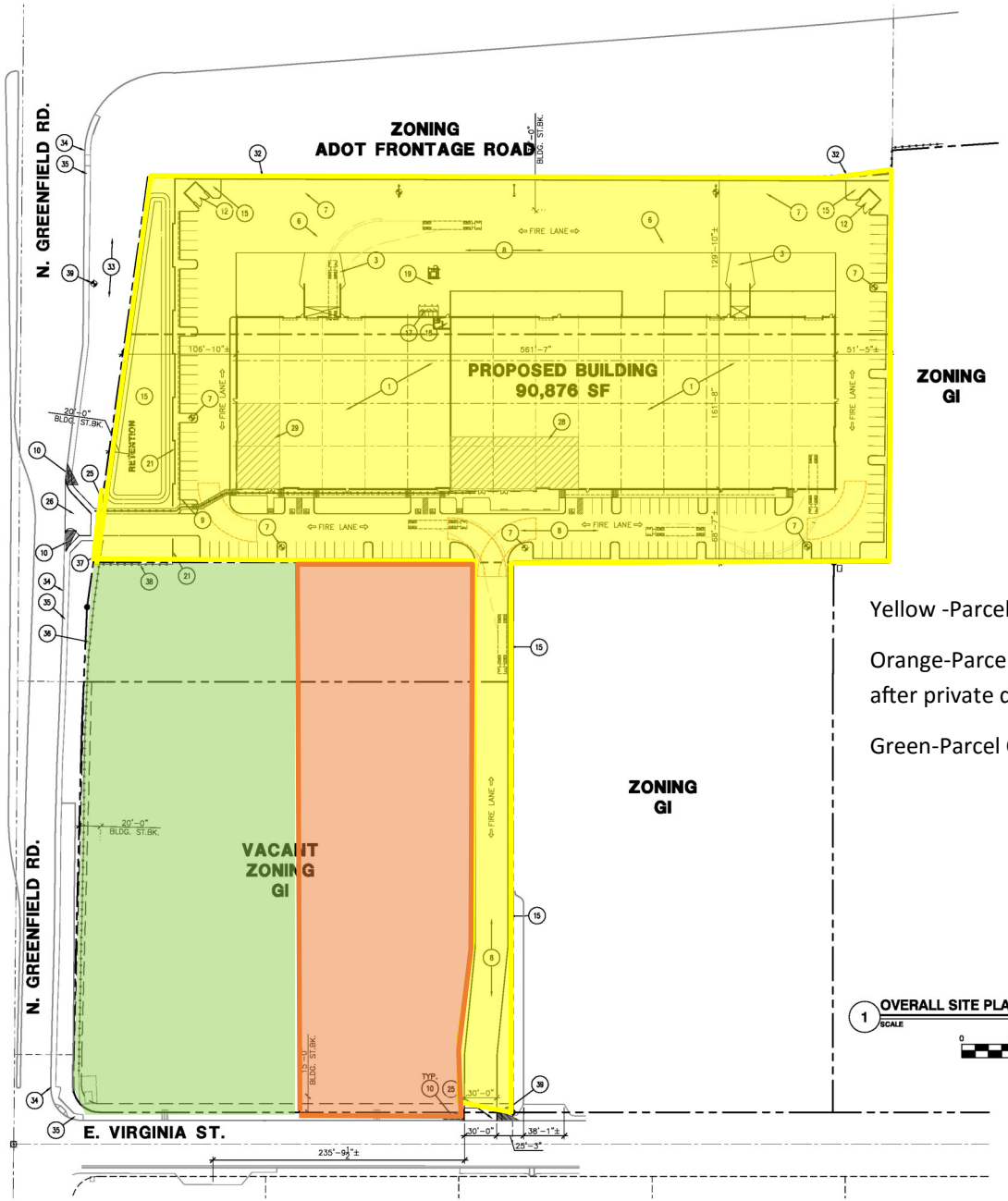
Building Design

The proposed building will be constructed of concrete tilt panels, steel trusses with plywood sheathing and TPO roofing. The building mass is reduced by use of a contrasting color palette as well as vertical and horizontal offsets in the walls at each corner and at the main pedestrian entry. The concrete tilt panels are articulated with varied horizontal joint patterns and a red accent band to provide visual interest to the exterior facade. Storefront windows are provided at the south elevations to provide natural daylight into proposed office areas. A patio is provided at the main entry for use by employees of the buildings as well as visitors. The loading docks and exterior equipment are located on the north side of the site facing Loop 202. This location is preferred to mitigate sound from the testing equipment for the properties to the south. This location is also depressed from view from the Loop 202 and hid from local view on Greenfield Rd.

The building will be energy efficient, utilizing insulated low-E glazing, R-38 insulation, and a reflective roof membrane. The interior of the building will

Development Coordination (Utilities)

An existing 12" public water main in Greenfield Road will be utilized for domestic, fire and irrigation service. An existing 8-inch sewer line stubbed to the site from Greenfield Road will be utilized for sanitary sewer service.



Yellow -Parcel A: TRU STOP Development

Orange-Parcel B: Remaining of what is left after private drive is removed

Green-Parcel C: To remain the same (As-Is)

1 OVERALL SITE PLAN
SCALE 1" = 50'-0"
0 50 100 150 200

KEYNOTES

1. PROPOSED CONCRETE TILT PANEL BUILDING
3. DEPRESSED DOCK WELL
6. PROPOSED UNDERGROUND WATER RETENTION
7. PROPOSED FIRE HYDRANT LOCATION
8. PAVING PER CIVIL DWGS.
9. ACCESSIBLE PATH TO RIGHT OF WAY
10. VISIBILITY TRIANGLE
12. PROPOSED SINGLE TRASH ENCLOSURE PER CITY OF MESA STANDARDS
15. LANDSCAPING AREA
17. PROPOSED SES LOCATION
18. PROPOSED FIRE RISER ROOM
19. PROPOSED TRANSFORMER LOCATION
21. PROPOSED 3'-4" HIGH MASONRY SCREEN WALL
25. DRIVEWAY PER MAG-42 AND CITY OF MESA STANDARDS
26. RIGHT TURN-OUT ONLY.
28. FUTURE OFFICE FOR NEW TENANT.
29. FUTURE OFFICE
32. EXISTING ADOT CHAINLINK FENCE TO REMAIN.
33. EXISTING ADOT RIGHT OF WAY.
34. EXISTING CONCRETE CURB AND GUTTER.
35. EXISTING CONCRETE 5' WIDE SIDEWALK
36. EXISTING CHAINLINK FENCE.
37. REMOVE EXISTING CHAINLINK FENCE FROM DEVELOPED PROPERTY.
38. NEW CHAINLINK FENCE SHALL CONT. FROM EXISTING FENCE TO NEW MASONRY SCREEN WALL.
39. EXISTING FIRE HYDRANT.

PROJECT CODE DATA

PROJECT:
GREENFIELD MANUFACTURING BUILDING

ADDRESS:
BAIE FINE L.L.C.
3505 N. GREENFIELD RD.
MESA, AZ 85215

GOVERNING MUNICIPALITY:
CITY OF MESA

APPLICABLE CODES:
2006 INTERNATIONAL BUILDING CODES
2006 INTERNATIONAL MECHANICAL CODE
2006 INTERNATIONAL PLUMBING CODE
2006 INTERNATIONAL ELECTRICAL CODE
2006 INTERNATIONAL FIRE CODE
2009 INTERNATIONAL ENERGY CONSERVATION CODE
ADA 2010

PROJECT DESCRIPTION:
OFFICE/INDUSTRIAL WAREHOUSE PROJECT WITH DOCK DOORS AND WELLS ON THE NORTH SIDE AND OFFICE AREAS WITH PARKING ON THE SOUTH.

OCCUPANCY(IES):

F-1	FACTORY INDUSTRIAL	55,280 S.F.
S-1	WAREHOUSE	32,430 S.F.
B	OFFICE	3,200 S.F. 1ST FLR.
		2,900 S.F. 2ND FLR.

OCCUPANCY SEPARATION WALLS:
NONE, PER TABLE 508.3.3

BUILDING HEIGHT (ACTUAL):
ACTUAL: 45'-0"
ALLOWED: 50'-0"

GROSS BUILDING AREA:
TOTAL: 90,960 S.F.

AREA MODIFICATIONS:
UNLIMITED PER IBC 507.4*
*EAST WALL PER 507.5

CONSTRUCTION TYPE(S):
VB WITH AUTOMATIC SPRINKLER SYSTEM

TYPES OF CONSTRUCTION
FIRE RESISTIVE REQUIRMENTS: PER IBC TABLE 601

BUILDING ELEMENT	REQUIRED RATING
STRUCTURAL FRAME	0
BEARING WALLS	
EXTERIOR	0
INTERIOR	0
NON-BEARING WALLS – EXTERIOR	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0
SHAFT CONSTRUCTION	1

FIRE PROTECTION SYSTEM:
AUTOMATIC SPRINKLER SYSTEM PER IBC CHAPTER 9 AND NFPA 13

SMOKE AND HEAT VENT:
YES, PER IBC SECTION 910
REQUIRED: 910 SF
PROVIDED: 1,792 SF

DRAFTSTOPPING:
SUITE 1: NOT REQ.
SUITE 2: 1 CURTAIN REQ. @ 6'-5"
TYPE PER IBC SECTION 910.3

SITE ACREAGE
GROSS ACREAGE: 12.36 AC
NET ACREAGE: 10.69 AC

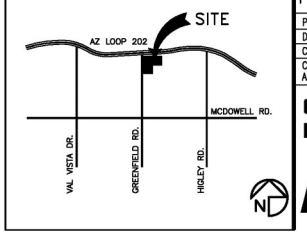
BUILDING SETBACKS
NORTH: 30'-0"
EAST: 0'-0"
SOUTH: 15'-0"
WEST: 20'-0"

PARKING CALCULATIONS
SUITE 1: 10% OFFICE AT 1 SPACE PER 375 SF =9
90% WAREHOUSE AT 1 SPACE PER 900 SF =33
SUITE 2: 100% INDUSTRIAL AT 1 SPACE PER 600 SF =99

TOTAL ADA PARKING REQUIRED: 5
TOTAL ADA PARKING PROVIDED: 6

TOTAL PARKING REQUIRED: 141
TOTAL PARKING PROVIDED: 145

VICINITY MAP



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602-840-6646 F

GREENFIELD MANUFACTURING BUILDING

3505 N. GREENFIELD RD. MESA 85215

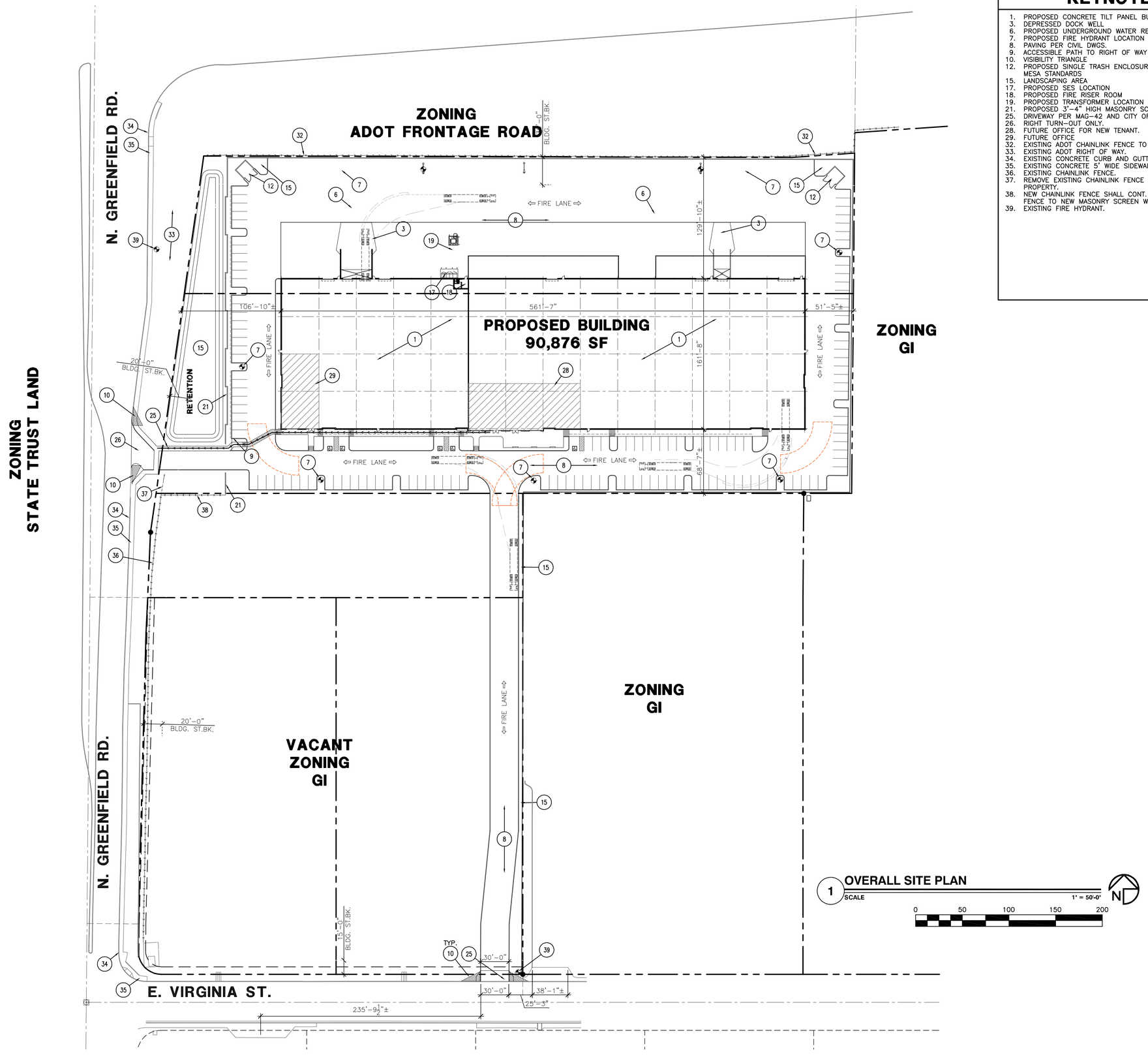
Revisions	
DR SUBMITTAL	8-26-16

PROJECT NO: 16121
DRAWN BY: MVO
CHK'D BY: DTC, BD

OVERALL SITE PLAN

AS-110

16121.00 - GREENFIELD MANUFACTURING BUILDING - DR SUBMITTAL - 08-26-2016



1 OVERALL SITE PLAN
SCALE 1" = 50'-0"
0 50 100 150 200

KEYNOTES

1. PROPOSED CONCRETE TILT PANEL BUILDING
3. DEPRESSED DOCK WELL
6. PROPOSED UNDERGROUND WATER RETENTION
7. PROPOSED FIRE HYDRANT LOCATION
8. PAVING PER CIVIL DWGS.
9. ACCESSIBLE PATH TO RIGHT OF WAY
10. VISIBILITY TRIANGLE
12. PROPOSED SINGLE TRASH ENCLOSURE PER CITY OF MESA STANDARDS
15. LANDSCAPING AREA
17. PROPOSED SES LOCATION
18. PROPOSED FIRE RISER ROOM
19. PROPOSED TRANSFORMER LOCATION
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25. DRIVEWAY PER MAG-42 AND CITY OF MESA STANDARDS
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28. FUTURE OFFICE FOR NEW TENANT.
29. FUTURE OFFICE
32. EXISTING ADOT CHAINLINK FENCE TO REMAIN.
33. EXISTING ADOT RIGHT OF WAY.
34. EXISTING CONCRETE CURB AND GUTTER.
35. EXISTING CONCRETE 5' WIDE SIDEWALK
36. EXISTING CHAINLINK FENCE.
37. REMOVE EXISTING CHAINLINK FENCE FROM DEVELOPED PROPERTY.
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39. EXISTING FIRE HYDRANT.

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*EAST WALL PER 507.5

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VB WITH AUTOMATIC SPRINKLER SYSTEM

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BUILDING ELEMENT	REQUIRED RATING
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BEARING WALLS	
EXTERIOR	0
INTERIOR	0
NON-BEARING WALLS - EXTERIOR	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0
SHAFT CONSTRUCTION	1

FIRE PROTECTION SYSTEM:
AUTOMATIC SPRINKLER SYSTEM PER IBC CHAPTER 9 AND NFPA 13

SMOKE AND HEAT VENT:
YES, PER IBC SECTION 910
REQUIRED: 910 SF
PROVIDED: 1,792 SF

DRAFTSTOPPING:
SUITE 1: NOT REQ.
SUITE 2: 1 CURTAIN REQ. @ 6'-5"
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NET ACREAGE: 10.69 AC

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NORTH: 30'-0"
EAST: 0'-0"
SOUTH: 15'-0"
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TOTAL ADA PARKING REQUIRED: 5
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TOTAL PARKING REQUIRED: 141
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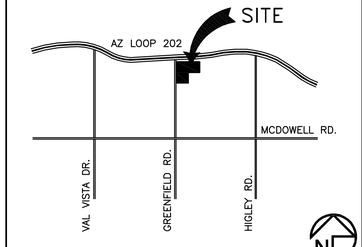
VICINITY MAP



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GREENFIELD MANUFACTURING BUILDING

3505 N. GREENFIELD RD. MESA 85215

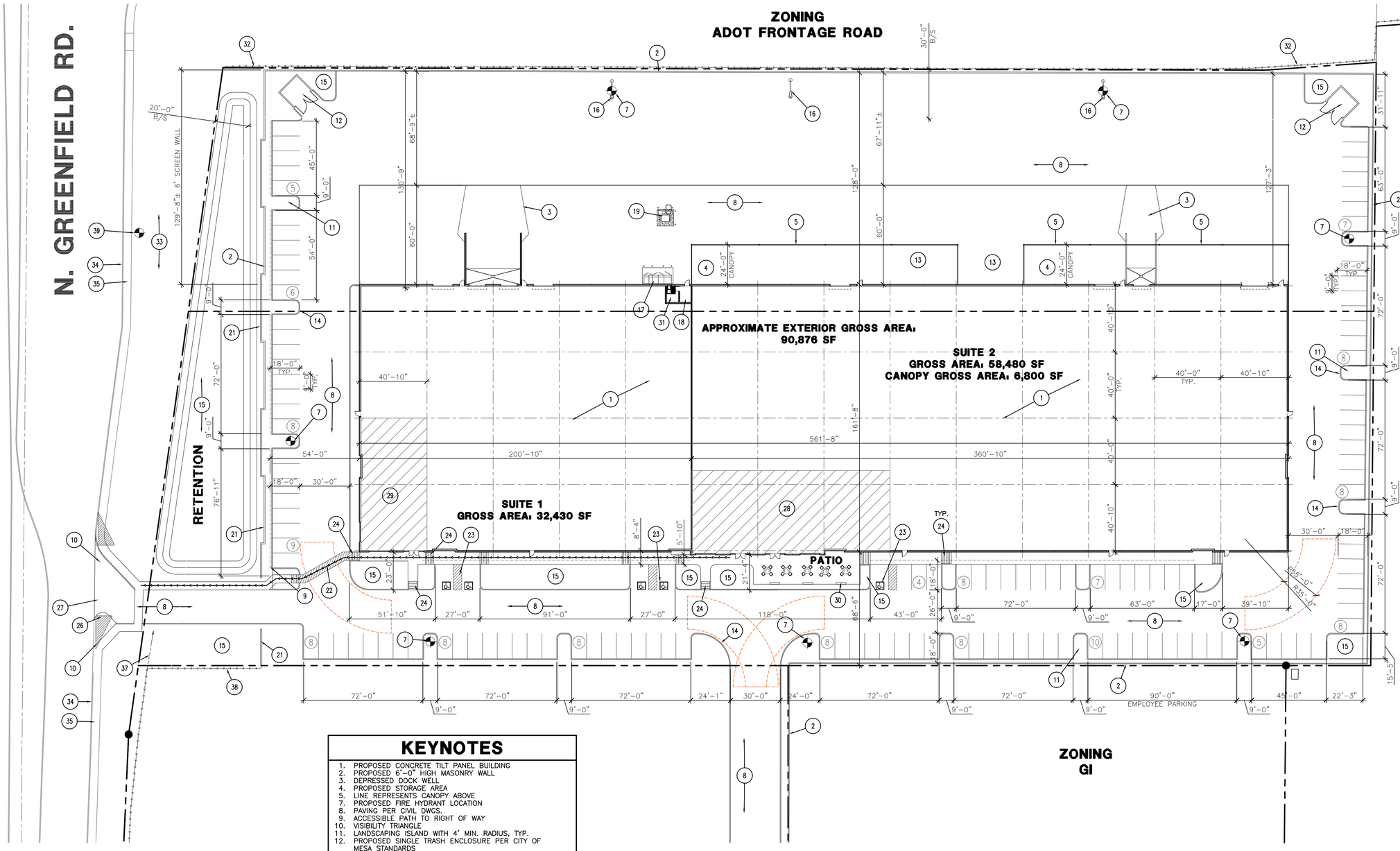
Revisions	
DR SUBMITTAL	8-26-16

PROJECT NO: 16121
DRAWN BY: MVO
CHK'D BY: DTC, BD

OVERALL SITE PLAN

AS-110

16121.00 - GREENFIELD MANUFACTURING BUILDING - DR SUBMITTAL - 08-26-2016



KEYNOTES

1. PROPOSED CONCRETE TILT PANEL BUILDING
2. PROPOSED 6'-0" HIGH MASONRY WALL
3. DEPRESSED DOCK WELL
4. PROPOSED STORAGE AREA
5. LINE REPRESENTS CANOPY ABOVE
7. PROPOSED FIRE HYDRANT LOCATION
8. PAVING PER CIVIL DWGS.
9. ACCESSIBLE PATH TO RIGHT OF WAY
10. VISIBILITY TRIANGLE
11. LANDSCAPING ISLAND WITH 4' MIN. RADIUS, TYP.
12. PROPOSED SINGLE TRASH ENCLOSURE PER CITY OF MESA STANDARDS
13. EQUIPMENT TESTING AREA
14. 6" HIGH CONCRETE CURB TYP.
15. LANDSCAPING AREA
16. PROPOSED SITE LIGHTING
17. PROPOSED SES LOCATION
18. PROPOSED FIRE RISER ROOM
19. PROPOSED TRANSFORMER LOCATION
21. PROPOSED 3'-4" HIGH MASONRY SCREEN WALL
22. 4" WIDE DIAGONAL STRIPING 12" O.C. PAINTED WHITE
23. ADA ACCESSIBLE PARKING STALL PER CITY OF MESA STANDARDS
24. ADA ACCESSIBLE RAMP
26. RIGHT TURN-OUT ONLY.
27. CONCRETE ROLLED CURB
28. FUTURE OFFICE FOR NEW TENANT.
29. FUTURE OFFICE
30. CONCRETE BENCHES.
31. PROPOSED ELECTRICAL ROOM AND ROOF ACCESS LADDER.
32. EXISTING ADOT CHAINLINK FENCE TO REMAIN.
33. EXISTING ADOT RIGHT OF WAY.
34. EXISTING CONCRETE CURB AND GUTTER.
35. EXISTING CONCRETE 5' WIDE SIDEWALK
37. REMOVE EXISTING CHAINLINK FENCE FROM DEVELOPED PROPERTY.
38. NEW CHAINLINK FENCE SHALL CONT. FROM EXISTING FENCE TO NEW MASONRY SCREEN WALL.
39. EXISTING FIRE HYDRANT.

1 ENLARGED SITE PLAN
SCALE 1" = 30'-0"
0 30 60 90 120

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GREENFIELD MANUFACTURING BUILDING

3505 N. GREENFIELD RD. MESA 85215

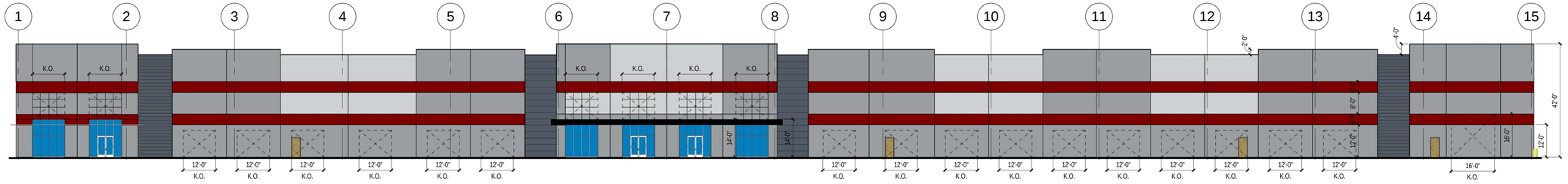
Revisions	
DR SUBMITTAL	8-26-16

PROJECT NO: 16121
DRAWN BY: MVO
CHK'D BY: DTC, BD

ENLARGED SITE PLAN

AS-111

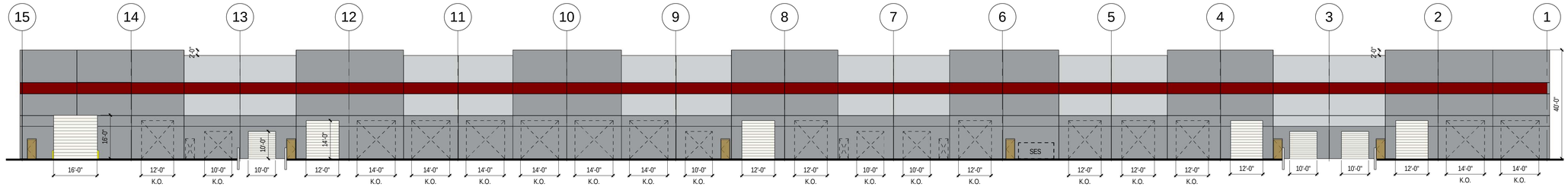
16121.00 - GREENFIELD MANUFACTURING BUILDING - DR SUBMITTAL - 08-26-2016



1 EXTERIOR ELEVATION-SOUTH

SCALE: 1" = 20'-0"

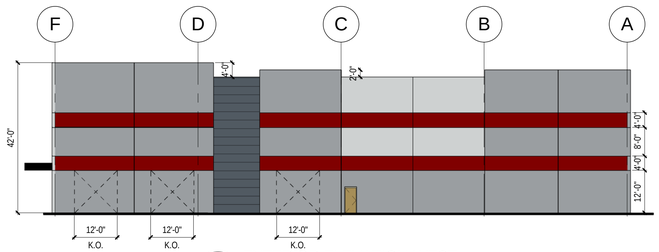
0' 20' 40' 60' 80'



2 EXTERIOR ELEVATION-NORTH

SCALE: 1" = 20'-0"

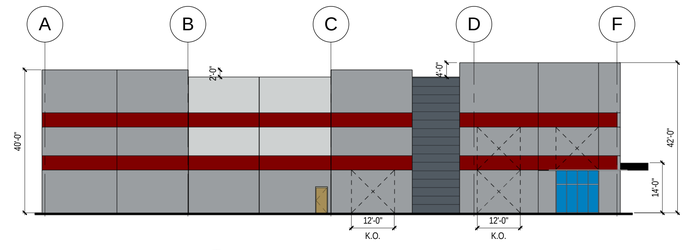
0' 20' 40' 60' 80'



4 EXTERIOR ELEVATION-WEST

SCALE: 1" = 20'-0"

0' 20' 40' 60' 80'



3 EXTERIOR ELEVATION-EAST

SCALE: 1" = 20'-0"

0' 20' 40' 60' 80'

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TRU STOP SPEC BUILDING
ADDRESS TBD

NOTICE OF EXTENDED CERTIFICATION AND APPROVAL PERIOD PROVISION - THIS CONTRACT ALLOWS THE OWNER TO CERTIFY AND APPROVE BILLINGS AND ESTIMATES WITHIN 30 DAYS AFTER THE BILLINGS AND ESTIMATES ARE RECEIVED FROM THE CONTRACTOR

REVISIONS

No.	DATE	DESCRIPTION

PROJECT NO:	
DATE:	05-26-2016
DRAWN BY:	MVO
CHK'D BY:	DTC, DCALC

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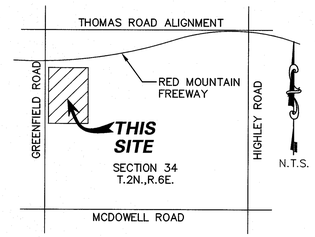
INTERIOR ELEVATIONS

A-220

TRU STOP SPEC BUILDING- SCHEMATIC DESIGN-

LOT COMBINATION

LOT 26 OF FALCON INDUSTRIAL PARK UNIT I AND II, AS RECORDED IN BOOK 233 OF MAPS, PAGE 12 IN THE OFFICE OF THE COUNTY RECORDER OF MARICOPA COUNTY, ARIZONA, AND A PORTION OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.



VICINITY MAP:

PARENT PARCEL LEGAL DESCRIPTIONS: LOT1

WARRANTY DEED #2005-1221667 M.C.R.

PARCEL NO. 1:

THE NORTH HALF OF THE FOLLOWING DESCRIBED PROPERTY:

A PORTION OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 34;

THENCE SOUTH 00 DEGREES 02 MINUTES 03 SECONDS EAST ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 34, 446.30 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 89 DEGREES 27 MINUTES 53 SECONDS EAST, 815.05 FEET;

THENCE SOUTH 00 DEGREES 02 MINUTES 03 SECONDS EAST, 428.16 FEET;

THENCE SOUTH 89 DEGREES 27 MINUTES 53 SECONDS WEST, 815.05 FEET TO THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 34;

THENCE NORTH 00 DEGREES 02 MINUTES 03 SECONDS WEST ALONG THE WEST ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 34, 428.16 FEET TO POINT OF BEGINNING;

EXCEPT THAT PART CONVEYED TO THE STATE OF ARIZONA BY WARRANTY DEED RECORDED IN RECORDING NO. 2001-0287166, RECORDS OF MARICOPA COUNTY, ARIZONA; AND EXCEPT THAT PART AS SET FORTH IN FINAL ORDER OF CONDEMNATION RECORDED IN RECORDING NO. 2001-0908732, RECORDS OF MARICOPA COUNTY, ARIZONA.

PARCEL NO. 2:

THE SOUTH HALF OF THE FOLLOWING DESCRIBED PROPERTY

A PORTION OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST OF THE
GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 34;

THENCE SOUTH 00 DEGREES 02 MINUTES 03 SECONDS EAST ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 34, 446.30 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 89 DEGREES 27 MINUTES 53 SECONDS EAST, 815.05 FEET;

THENCE SOUTH 00 DEGREES 02 MINUTES 03 SECONDS EAST, 428.16 FEET;

THENCE SOUTH 89 DEGREES 27 MINUTES 53 SECONDS WEST, 815.05 FEET TO THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 34;

THENCE NORTH 00 DEGREES 02 MINUTES 03 SECONDS WEST ALONG THE WEST ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 34, 428.16 FEET TO POINT OF BEGINNING;

EXCEPT THAT PART CONVEYED TO THE STATE OF ARIZONA BY WARRANTY DEED RECORDED IN RECORDING NO. 2001-0287166, RECORDS OF MARICOPA COUNTY, ARIZONA.

PARENT PARCEL LEGAL DESCRIPTIONS: LOT 2

WARRANTY DEED #1996-628025 M.C.R.

PARCEL NO. 1:

LOT 26, FALCON INDUSTRIAL PARK UNITS I AND II, ACCORDING TO THE PLAT OF RECORD IN THE OFFICE OF THE COUNTY RECORDER OF MARICOPA COUNTY, ARIZONA, RECORDED IN BOOK 233 OF MAPS, PAGE 12.

PARCEL NO. 2:

A PORTION OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST OF THE
GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

DISTANCE OF 1806.60 FEET TO A SET PK. NAIL AND BEING THE NORTHWEST CORNER OF SAID FALCON INDUSTRIAL PARK UNITS I AND II;

THENCE NORTH 89 DEGREES 27 MINUTES 53 SECONDS EAST, A DISTANCE OF 263.69 FEET TO THE NORTHWEST CORNER OF SAID LOT 26, FALCON INDUSTRIAL PARK UNITS I AND II AND BEING THE TRUE POINT OF BEGINNING;

THENCE CONTINUING NORTH 89 DEGREES 27 MINUTES 53 SECONDS EAST ALONG THE NORTHERLY LINE OF SAID LOT 26, A DISTANCE OF 200.00 FEET TO THE NORTHEASTERLY CORNER OF SAID LOT 26;

THENCE NORTH 00 DEGREES 32 MINUTES 07 SECONDS WEST, A DISTANCE OF 111.50 FEET;

THENCE SOUTH 89 DEGREES 27 MINUTES 53 SECONDS WEST, A DISTANCE OF 200.00 FEET;

THENCE SOUTH 00 DEGREES 32 MINUTES 07 SECONDS EAST, A DISTANCE OF 111.50 FEET TO THE SAID NORTHWEST CORNER OF SAID LOT 26 AND THE TRUE POINT OF BEGINNING.

PARCEL LEGAL DESCRIPTIONS:

LEGAL DESCRIPTION
LOT 1

BEING A PORTION OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A BRASS CAP IN HANDHOLE AT THE INTERSECTION OF GREENFIELD ROAD AND VIRGINIA STREET, FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 34, BEING A BRASS CAP IN HANDHOLE, BEARS NORTH 00°02'03" WEST, FOR A DISTANCE OF 1419.55 FEET;

THENCE NORTH 00°02'03" WEST, ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 34, A DISTANCE OF 545.71 FEET;

THENCE NORTH 89°57'57" EAST, A DISTANCE OF 69.95 FEET TO A POINT ON THE EAST LINE OF THE A.D.O.T. RIGHT-OF-WAY AS DEFINED IN DOCUMENT 2001-271962, OFFICIAL RECORDS OF MARICOPA COUNTY, ARIZONA, SAID POINT ALSO BEING THE POINT OF BEGINNING;

THENCE NORTH 07°30'33" EAST, ALONG SAID RIGHT OF WAY, A DISTANCE OF 364.91 FEET;

THENCE NORTH 89°35'51" EAST, ALONG A LINE ESTABLISHED BY FINAL ORDER OF CONDEMNATION IN DOCUMENT 2002-1105104, OFFICIAL RECORDS OF MARICOPA COUNTY, ARIZONA, A DISTANCE OF 630.08 FEET;

THENCE NORTH 85°30'18" EAST, ALONG LAST SAID LINE, A DISTANCE OF 67.23 FEET;

THENCE SOUTH 00°01'31" EAST, A DISTANCE OF 364.52 FEET;

THENCE SOUTH 89°27'53" WEST, A DISTANCE OF 744.97 FEET TO THE POINT OF BEGINNING.

SAID DESCRIPTIN CONTAINING 5.972 ACRES, MORE OR LESS.

LEGAL DESCRIPTION
LOT 2

BEING LOT 26 OF FALCON INDUSREIAL PARK UNITS I&II, AS RECORDED IN BOOK 233 OF MAPS, PAGE 12, RECORDS OF MARICOPA COUNTY, ARIZONA AND A PORTION OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A BRASS CAP IN HANDHOLE AT THE INTERSECTION OF GREENFIELD ROAD AND VIRGINIA STREET, FROM WHICH THE NORTHWEST CORNER OF SAID SECTION 34, BEING A BRASS CAP IN HANDHOLE BEARS NORTH 00°02'03" WEST, FOR A DISTANCE OF 1419.55 FEET;

THENCE NORTH 89°27'50" EAST, ALONG THE CENTERLINE OF VIRGINIA STREET, A DISTANCE OF 467.48 FEET;

THENCE NORTH 00°32'07" WEST, A DISTANCE OF 30.00 FEET TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF SAID VIRGINIA STREET, SAID POINT ALSO BEING
THE POINT OF BEGINNING;

THENCE SOUTH 89°27'50" WEST, A DISTANCE OF 200.00 FEET;

THENCE NORTH 00°32'07" WEST, A DISTANCE OF 515.08 FEET;

THENCE NORTH 89°27'53" EAST, A DISTANCE OF 200.00 FEET;

THENCE SOUTH 00°32'07" EAST, A DISTANCE OF 515.08 FEET TO THE POINT OF BEGINNING.

SAID DESCRIPTIN CONTAINING 2.365 ACRES, MORE OR LESS.

NOTES:

1. ALL TITLE INFORMATION IS BASED ON COMMITMENTS FOR TITLE INSURANCE ISSUED BY FIDELITY NATIONAL TITLE AGENCY, INC., ORDER NO. 39004160-039-PGA, EFFECTIVE DATE: JUNE 22, 2016 AT 7:30 AM AND ORDER NO. 39004161-039-PGA, EFFECTIVE DATE: JUNE 22, 2016 AT 7:30 AM.

2. BASIS OF BEARING FOR THIS SURVEY IS A BEARING OF NORTH 00°02'03" WEST, ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, ACCORDING TO THE PLAT OF FALCON INDUSTRIAL PARK UNIT I & II, RECORDED IN BOOK 233, PAGE 12, MARICOPA COUNTY RECORDS, ARIZONA.

3. THE SITE IS CURRENTLY ZONED GI (GENERAL INDUSTRIAL) PER CITY OF MESA PLANNING AND ZONING GIS WEB SITE.

FEMA NOTES:

THE CURRENT FEMA FLOOD INSURANCE RATE MAP (FIRM) FOR THIS AREA, MAP NUMBER 04013C 2280 (EFFECTIVE REVISED DATE OCTOBER 16, 2013), DESIGNATES THE PROPERTY WITHIN FLOOD HAZARD ZONE X.

ZONE: X IS DEFINED AS AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT, OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

SURVEYOR'S CERTIFICATION:

I, JAMES A. BRUCCI, BEING A LICENSED LAND SURVEYOR IN THE STATE OF ARIZONA HEREBY STATE THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WAS MADE UNDER MY SUPERVISION AND IT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND THAT THE MONUMENTS SHOWN HEREON DO EXIST AS INDICATED.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
29865
JAMES A. BRUCCI
DATE SIGNED 8-25-17
ARIZONA U.S.A.
Expires 3/31/2017

NO.	DATE	REVISION	BY

PURPOSE: LOT COMBINATION

DRAWN BY: JAB
CHECKED BY: JAB

HUNTER ENGINEERING
CIVIL AND SURVEY
10450 N. 74TH ST., SUITE 200
SCOTTSDALE, AZ 85258
T 480 991 3985
F 480 991 3986

LOT COMBINATION

LOT 26 OF FALCON INDUSTRIAL PARK UNIT I AND II, AS RECORDED IN BOOK 233 OF MAPS, PAGE 12 IN THE OFFICE OF THE COUNTY RECORDER OF MARICOPA COUNTY, ARIZONA, AND A PORTION OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.

SECTION: 34
TWNSHP: 2N
RANGE: 6E

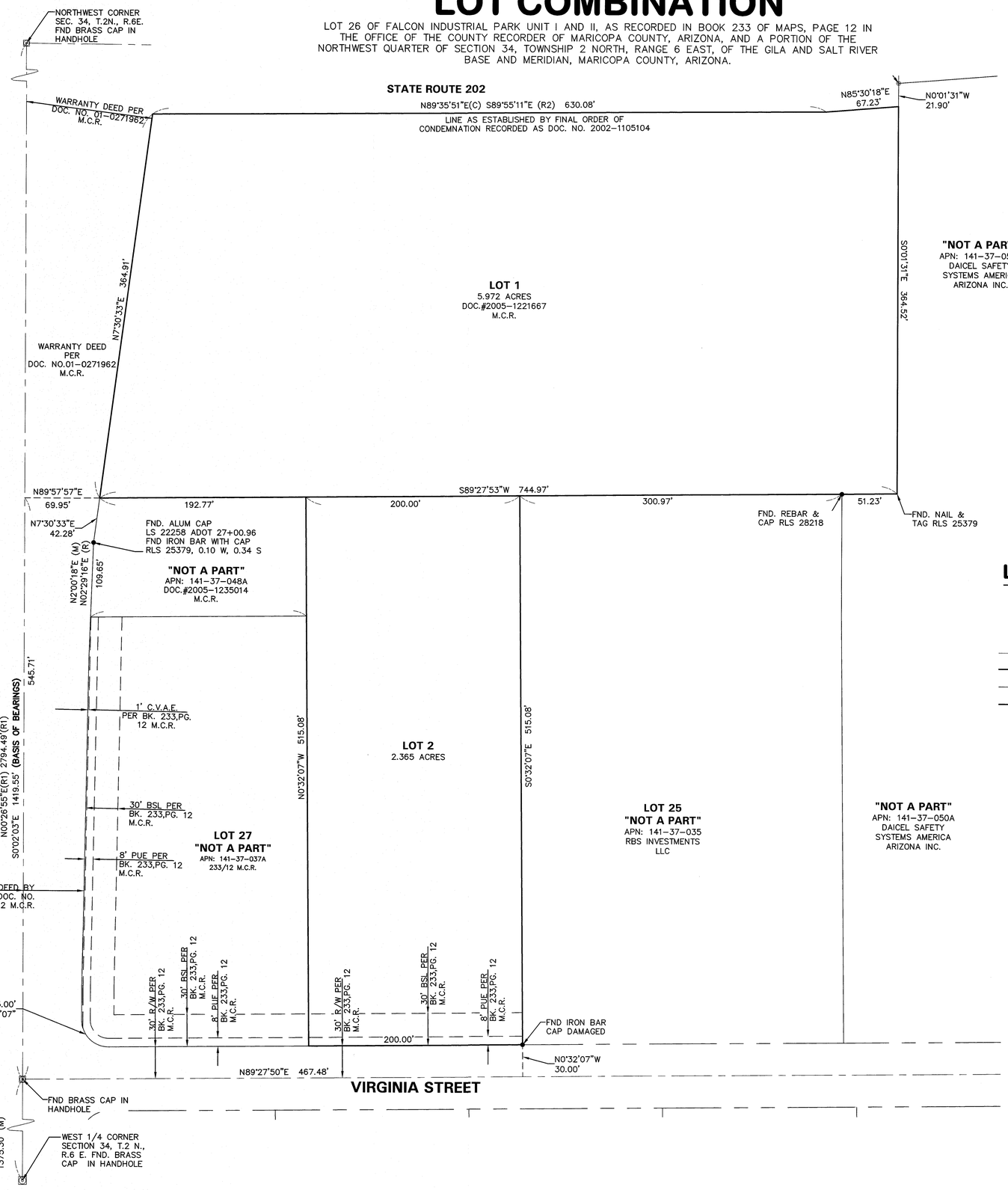
JOB NO.: SHAW001-LC

SCALE 1"=50'

SHEET 1 OF 2

LOT COMBINATION

LOT 26 OF FALCON INDUSTRIAL PARK UNIT I AND II, AS RECORDED IN BOOK 233 OF MAPS, PAGE 12 IN THE OFFICE OF THE COUNTY RECORDER OF MARICOPA COUNTY, ARIZONA, AND A PORTION OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.



0 25 50 100

SCALE: 1" = 50'

LEGEND

- ▣ BRASS CAP IN HANDHOLE
- ● FOUND AS NOTED
- ◎ ALUMINUM CAP FLUSH
- MONUMENT LINE
- PROPERTY LINE
- EASEMENT LINE
- RIGHT-OF-WAY LINE

(R&R1)	RECORDED DATA ACCORDING TO SPECIAL WARRANTY DEED #2005-1235014, M.C.R.
(R2)	RECORDED DATA ACCORDING TO FINAL ORDER OF CONDEMNATION #2002-1105104, M.C.R.
(M)	MEASURED INFORMATION FROM FIELD DATA COLLECTION.
(C)	CALCULATED INFORMATION FROM RECORDED DOCUMENTS AS NOTED.

NO.	DATE	REVISION	BY

PURPOSE: LOT COMBINATION

DRAWN BY: JR
CHECKED BY: JDH

HUNTER ENGINEERING
CIVIL AND SURVEY
10450 N. 74TH ST., SUITE 200
SCOTTSDALE, AZ 85258
T 480 991 3985
F 480 991 3986

REGISTERED LAND SURVEYOR CERTIFICATE NO. 29865 JAMES A. BRUCCI DATE SIGNED ARIZONA U.S.A. Expires 3/31/2017

LOT COMBINATION

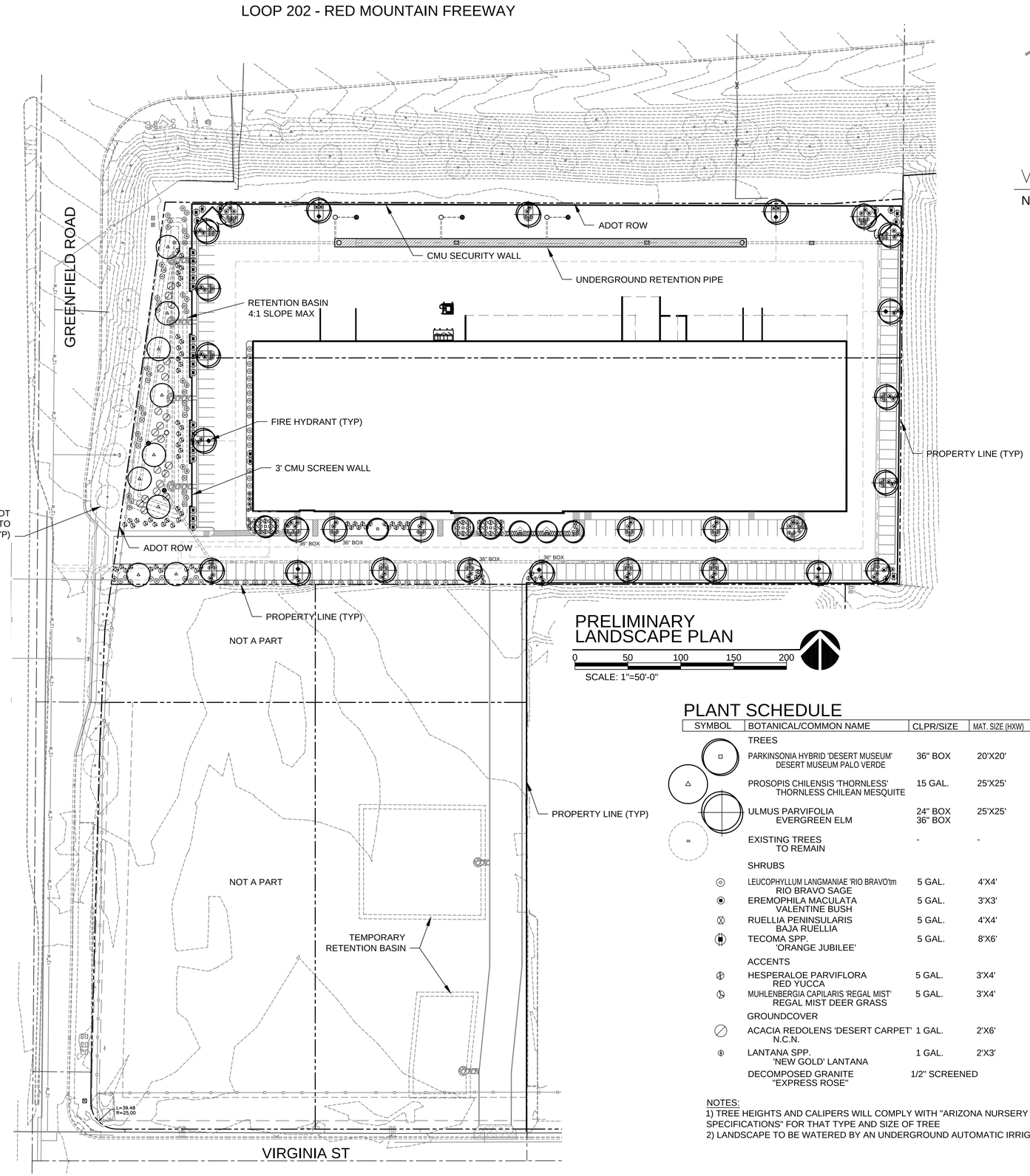
LOT 26 OF FALCON INDUSTRIAL PARK UNIT I AND II, AS RECORDED IN BOOK 233 OF MAPS, PAGE 12 IN THE OFFICE OF THE COUNTY RECORDER OF MARICOPA COUNTY, ARIZONA, AND A PORTION OF THE NORTHWEST QUARTER OF SECTION 34, TOWNSHIP 2 NORTH, RANGE 6 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.

SECTION: 34
TWNSHP: 2N
RANGE: 6E

SHAW001-LC

SCALE 1"=50'

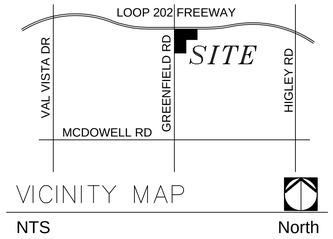
SHEET 2 OF 2



PRELIMINARY LANDSCAPE PLAN

0 50 100 150 200

SCALE: 1"=50'-0"



VICINITY MAP

NTS North

REGISTERED LANDSCAPE ARCHITECT
CERTIFICATE NO.
13614
JOHN J.
GILMORE
ARIZONA, U.S.A.

Expires 12/31/2017

GILMORE
PLANNING & LANDSCAPE ARCHITECTURE
2211 N. 7th Street, Phoenix, Az 85006
T 602.266.5422 F 602.266.5707
www.getgilmore.com

PLANT SCHEDULE

SYMBOL	BOTANICAL/COMMON NAME	CLPR/SIZE	MAT. SIZE (HXW)	QTY.	REMARKS
	TREES				
	PARKINSONIA HYBRID 'DESERT MUSEUM' DESERT MUSEUM PALO VERDE	36" BOX	20'X20'	7	STAKE AS REQUIRED STRAIGHT TRUNK UP TO 3' THEN BRANCHING
	PROSOPIS CHILENSIS 'THORNLESS' THORNLESS CHILEAN MESQUITE	15 GAL.	25'X25'	9	STAKE AS REQUIRED
	ULMUS PARVIFOLIA EVERGREEN ELM	24" BOX 36" BOX	25'X25'	24 4	STAKE AS REQUIRED
	EXISTING TREES TO REMAIN	-	-	-	IN ADOT ROW
	SHRUBS				
	LEUCOPHYLLUM LANGMANIAE 'RIO BRAVO'tm RIO BRAVO SAGE	5 GAL.	4'X4'	94	1 GPH EMITTER
	EREMOPHILA MACULATA VALENTINE BUSH	5 GAL.	3'X3'	74	1 GPH EMITTER
	RUELLIA PENINSULARIS BAJA RUELLIA	5 GAL.	4'X4'	15	1 GPH EMITTER
	TECOMA SPP. 'ORANGE JUBILEE'	5 GAL.	8'X6'	30	1 GPH EMITTER
	ACCENTS				
	HESPERALOE PARVIFLORA RED YUCCA	5 GAL.	3'X4'	57	1 GPH EMITTER
	MUHLENBERGIA CAPILARIS 'REGAL MIST' REGAL MIST DEER GRASS	5 GAL.	3'X4'	46	1 GPH EMITTER
	GROUNDCOVER				
	ACACIA REDOLENS 'DESERT CARPET' N.C.N.	1 GAL.	2'X6'	20	1 GPH EMITTER
	LANTANA SPP. 'NEW GOLD' LANTANA	1 GAL.	2'X3'	83	1 GPH EMITTER
	DECOMPOSED GRANITE "EXPRESS ROSE"	1/2" SCREENED			2" DEPTH ALL LANDSCAPE AREAS

NOTES:
1) TREE HEIGHTS AND CALIPERS WILL COMPLY WITH "ARIZONA NURSERY ASSOCIATION SPECIFICATIONS" FOR THAT TYPE AND SIZE OF TREE
2) LANDSCAPE TO BE WATERED BY AN UNDERGROUND AUTOMATIC IRRIGATION SYSTEM.

LANDSCAPE NOTES

1. CONTRACTOR TO OBTAIN PERMITS FROM LOCAL AGENCIES AND UTILITY COMPANIES HAVING JURISDICTION OVER THIS SITE.
2. CONTRACTOR TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO ANY INSTALLATION.
3. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL THE WORK INDICATED ON THE LANDSCAPE DOCUMENTS. HE SHALL BE RESPONSIBLE FOR CAREFUL SITE INSPECTION, DETAILED REVIEW OF THE PLANS, AND COORDINATION WITH OTHER CONTRACTORS ON-SITE PRIOR TO ANY INSTALLATION. ANY DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S AGENT.
4. PRIOR TO INITIATING THESE LANDSCAPE IMPROVEMENTS, THE LANDSCAPE CONTRACTOR MUST SCHEDULE A PRE- CONSTRUCTION MEETING ON-SITE WITH THE APPROVAL OF THE OWNER AND THE GENERAL CONTRACTOR. THE OWNER'S REPRESENTATIVE AND/OR THE PROJECT LANDSCAPE ARCHITECT MUST BE PRESENT. THE PURPOSE OF THIS MEETING IS TO RESOLVE ANY EXISTING SITE CONDITIONS THAT MAY BE IN CONFLICT WITH THESE LANDSCAPE CONSTRUCTION DOCUMENTS AND THEREFORE IMPACT THE INSTALLATION OF ANY OF THESE PROPOSED IMPROVEMENTS. THIS FIRST MEETING SHOULD BE SCHEDULED TO OCCOR AFTER THE COMPLETION OF ON-SITE AND OFF-SITE IMPROVEMENTS INCLUDING: ALL UNDERGROUND UTILITIES, MASS GRADING, AND STREET IMPROVEMENTS.
5. DAMAGE TO EXISTING LANDSCAPING, UNDERGROUND UTILITIES, IRRIGATION LINES, ELECTRICAL LINES, ETC. SHALL BE REPAIRED AT CONTRACTORS EXPENSE.
6. ANY DISCREPANCIES FOUND BETWEEN THE PLANS AND THE SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
7. ALL QUANTITIES PROVIDED ARE FOR BIDDING PURPOSES ONLY. LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADES IN LANDSCAPED AREAS. HE SHALL DETERMINE, WITH THE GENERAL CONTRACTOR, THE EXTENT OF ROUGH GRADING AND/OR FINE GRADING TO BE ESTABLISHED BY OTHERS.
9. ALL GRADING AND DRAINAGE SHALL BE IN ACCORDANCE WITH THE PLANS PREPARED BY THE PROJECT CIVIL ENGINEER, OR AS DIRECTED BY THE OWNER'S AGENT. PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING(S) IN ALL CONDITIONS. CONTRACTOR TO MEET ALL EXISTING GRADES AT PROJECT BOUNDARIES. FINISH GRADE SHALL BE 3" BELOW THE TOP OF ADJACENT WALKS AND CURBS PRIOR TO RECEIVING MULCH OR DECOMPOSED GRANITE.
10. ALL AREAS DISTURBED DURING CONSTRUCTION TO BE FINE GRADED. ADJACENT UNDISTURBED AREAS DAMAGED OR DISTURBED TO BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR SHALL FINE GRADE ENTIRE LANDSCAPED AREA AS REQUIRED FOR INSTALLATION OF PLANTING. ALL GRADES SHALL BE NEAT, RAKED SMOOTH AND BE FREE OF DEBRIS PRIOR TO SUBSTANTIAL COMPLETION.
12. PRIOR TO SPREADING MATERIAL GROUNDCOVERS, ADJUST AND COMPACT FINISH GRADES, APPLY WEED PRE-EMERGENT SURFLAN AS PER MANUFACTURER'S INSTRUCTIONS. THEN SPREAD DECOMPOSED GRANITE, RIVER RUN, OR MULCH AS INDICATED ON PLANS. DECOMPOSED GRANITE SHALL BE WATERED, THEN COMPACTED WITH A SOD ROLLER TO A MINIMUM DEPTH OF 2" AFTER COMPACTION. PROVIDE A SECOND APPLICATION OF THE PRE-EMERGENT SURFLAN AT THE END OF THE MAINTENANCE PERIOD.
13. ALL LANDSCAPED AREAS SHALL RECEIVE A 2" TOP DRESSING OF DECOMPOSED GRANITE AS SPECIFIED IN THE LANSCAPE PLANT SCHEDULE. PROVIDE SAMPLE OF SIZE AND COLOR FOR APPROVAL BY OWNER'S AGENT PRIOR TO DELIVERY.
14. STAKE LOCATIONS OF ALL TREES FOR APPROVAL PRIOR TO INSTALLATION OF ANY PLANT MATERIAL.
15. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED (WHEN IN-LEAF) AS IS TYPICAL FOR THE SPECIES. THEY SHALL HAVE HEALTHY, WELL DEVELOPED ROOT SYSTEMS (NOT POT BOUND), A NORMAL HABIT OF GROWTH CONSISTENT WITH INDUSTRY STANDARDS, AND FREE OF ANY BRUISES, CUTS, OR OTHER ABNORMALITIES. PLANT MATERIAL SHALL BE SIZED IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN, AND THE ARIZONA NURSERYMAN ASSOCIATION STANDARDS.
16. ALL RIGHT-OF-WAY PLANT MATERIAL MUST BE IN COMPLIANCE WITH THE DEPARTMENT OF WATER RESOURCES LOW WATER USE PLANT LIST. NO PLANT SUBSTITUTIONS, TYPE, OR QUANTITY DEVIATIONS FROM THE APPROVED LANDSCAPE PLANS WITHOUT PRIOR APPROVAL FROM THE CITY OF MESA.
17. BACKFILL MIXTURES, EXCEPT AS NOTED, TO BE COMPRISED OF 75% NATIVE SOIL AND 25% DECOMPOSED GRANULAR BARK MULCH, AND 2 LBS. DISPERSAL PER CUBIC YARD OF BACKFILL.
18 ADD AGRI-FORM FERTILIZER TABLETS AT THE FOLLOWING RATES:
   1 GALLON PLANT - 1 TABLET 15 GALLON PLANT - 4 TABLETS
   5 GALLON PLANT - 2 TABLET BOXED TREE - 6 TABLETS (MIN.)
   TABLETS TO BE PLACED NO DEEPER THAN 6" BELOW SOIL SURFACE.
19. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON PLANTING PLAN. DO NOT SUBSTITUTE PLANTS BY TYPE OR QUANTITY WITHOUT WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT OR OWNER'S AGENT.
20. THE OWNER'S AGENT RESERVES THE RIGHT TO REJECT ANY SELECTION OF PLANT MATERIAL THAT DOES NOT SATISFY THE INTENT OF THE LANDSCAPE DESIGN BASED ON: SIZE, SHAPE, EVIDENCE OF STRESS OR IMPROPER CARE.
21. PRIOR TO INITIATING THE 90-DAY MAINTENANCE PERIOD, COMPLETE ANY INITIAL PUNCH LIST ITEMS, THEN OBTAIN APPROVAL FROM OWNER'S AGENT OF SUBSTANTIAL COMPLETION. DETERMINE WITH OWNER'S AGENT THE START DATE FOR THE 90-DAY MAINTENANCE PERIOD. CONTRACTOR TO THEN MAINTAIN LANDSCAPE WHICH MAY INCLUDE WATERING, WEEDING, PRUNING, AND REPLACEMENT OF ANY MATERIAL THAT HAS DIED OR IS SHOWING EVIDENCE OF STRESS. SUBMIT WRITTEN REQUEST FOR FINAL PUNCH LIST ONE WEEK PRIOR TO END OF MAINTENANCE PERIOD.
22. PROVIDE OWNER WITH A WRITTEN GUARANTEE OF SIX (6) MONTHS FOR ALL PLANT MATERIAL DATED FROM START OF MAINTENANCE PERIOD AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. PROVIDE OWNER WITH WRITTEN INSTRUCTIONS OUTLINING MAINTENANCE PROCEDURES TO BE ADOPTED IN ORDER TO PROTECT GUARANTEE. INCLUDE WATERING SCHEDULE AND FERTILIZER PROGRAM. (1) YEAR GUARANTEE FOR PALMS.
23. TREAT ALL DATE PALM TREES FOR CROWN ROT AT LEAST ONCE PRIOR TO END OF THE GUARNTEE PERIOD. CONTRACTOR SHALL ARRANGE FOR A SUBCONTRACTOR SPECIALIZING IN PALM TREE MAINTENANCE TO SERVICE ALL PALMS AND PROVIDE BRIEF STATEMENT FOR EACH PALM.
24. INSTALL ALL SIDEWALKS PER A.D.A. REQUIREMENTS.

CITY OF MESA NOTES

1. THERE ARE NO OVERHEAD POWERLINES ON SITE
2. ALL NEW SIGNAGE TO BE UNDER SEPARATE REVIEW AND PERMIT
3. ALL EXISTING SIGNAGE TO BE BROUGHT INTO CURRENT CODE CONFORMANCE
4. ENTIRE PERIMETER WALL AND LANDSCAPIING REQUIRED WITHFIRST PHASE OF DEVELOPMENT
5. PARALLEL FENCE WILL NOT BE PERMITTED ANYWHERE ON THE PROJECT
6. OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL LANDSCAPING INSTALLED WITH THIS PROJECT- INCLUDING R.O.W. LANDSCAPING

2929.COM
DEUTSCH ARCHITECTURE GROUP
4600
EAST INDIAN SCHOOL RD
PHOENIX, ARIZONA 85018
602-840-2929 P
602-840-6646 F

GREENFIELD MANUFACTURING BUILDING
3505 N. GREENFIELD RD. MESA 85215

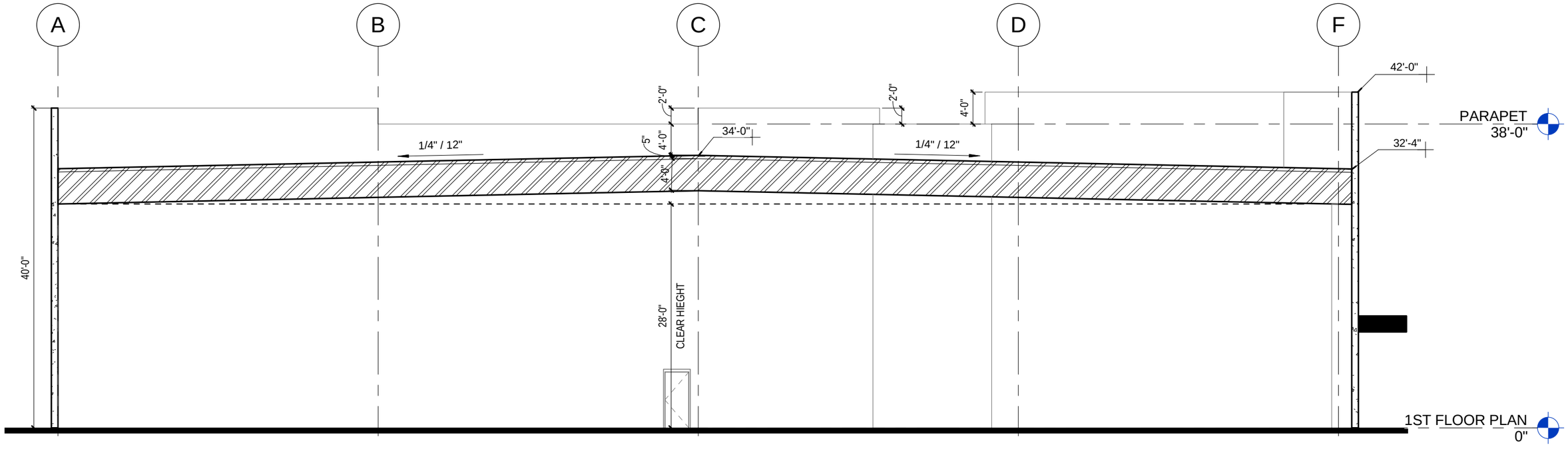
Revisions	
DR SUBMITTAL	8-26-16

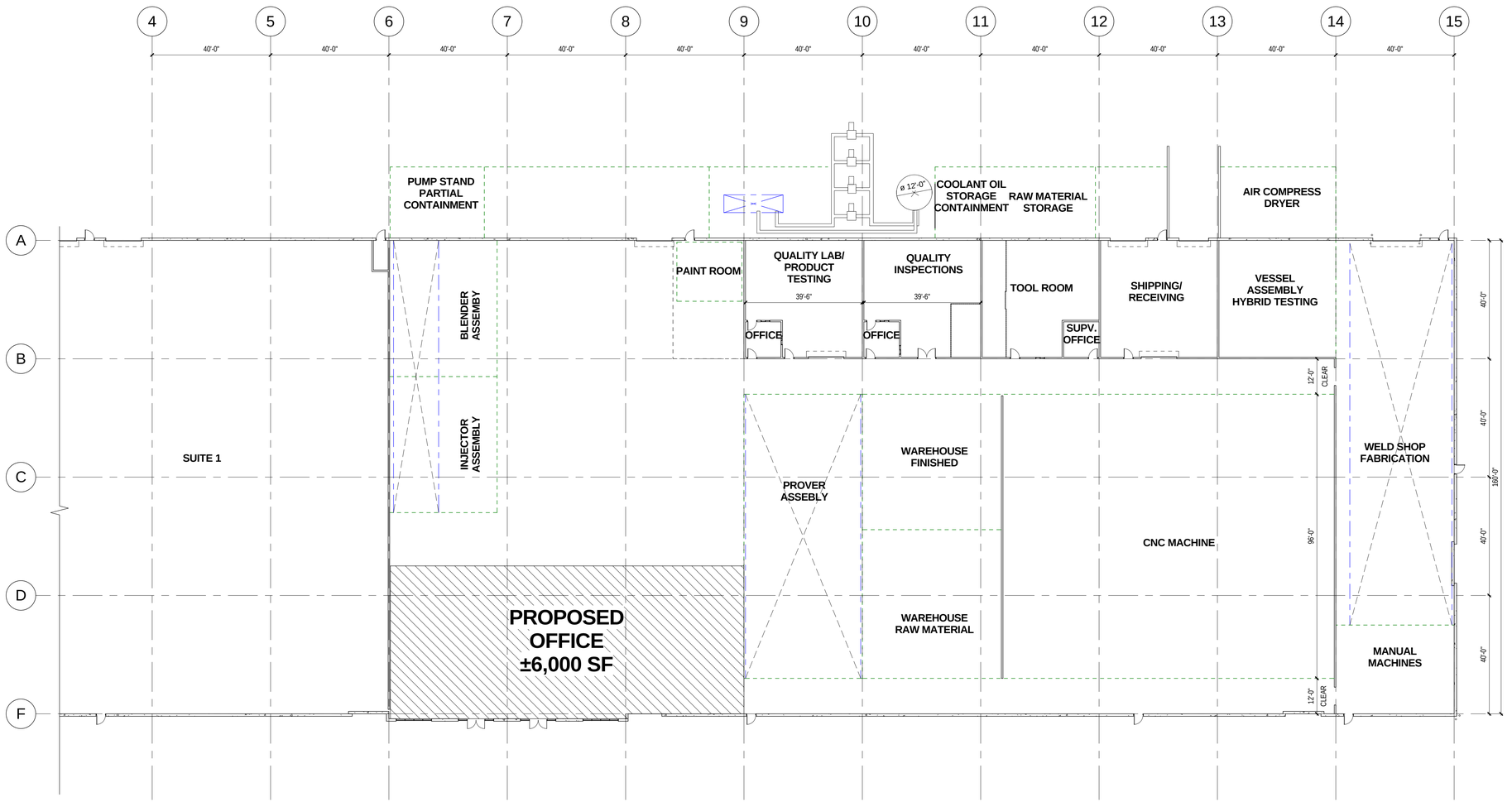
PROJECT NO: 16121
DRAWN BY: TCB
CHK'D BY: JJG

PRELIMINARY LANDSCAPE PLAN

L1.1
1 OF 1

16121.00 - GREENFIELD MANUFACTURING BUILDING - DR SUBMITTAL - 08-26-2016


A
B
C
D
F
42'-0"
PARAPET
38'-0"
32'-4"
34'-0"
2'-0"
2'-0"
4'-0"
1/4" / 12"
1/4" / 12"
5"
4'-0"
4'-0"
40'-0"
28'-0"
CLEAR HIEGHT
1ST FLOOR PLAN
0"



1 1ST FLOOR PLAN

SCALE: 1" = 20'-0"

N

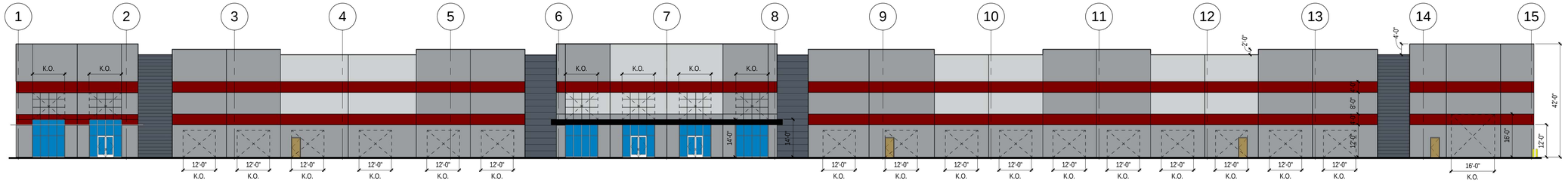
0' 16' 32' 48' 64'

TRU STOP SPEC BUILDING

FLOOR PLAN - EAST

08-18-16

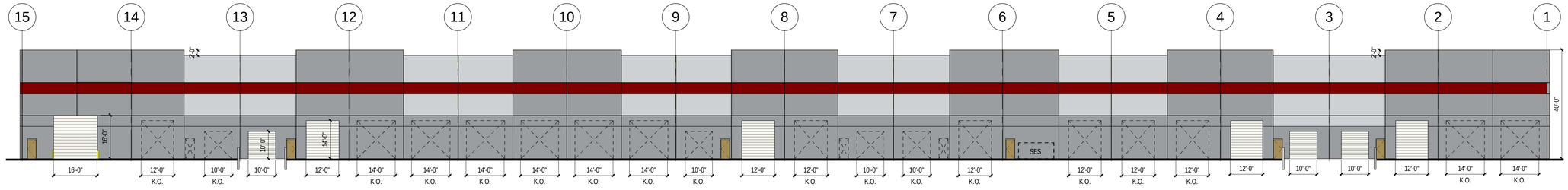
ARCHITECTURE GROUP
WWW.2929.COM



1 EXTERIOR ELEVATION-SOUTH

SCALE: 1" = 20'-0"

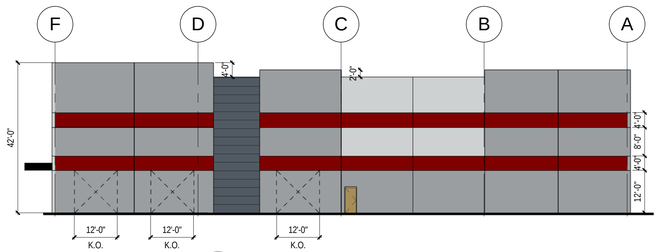
0' 20' 40' 60' 80'



2 EXTERIOR ELEVATION-NORTH

SCALE: 1" = 20'-0"

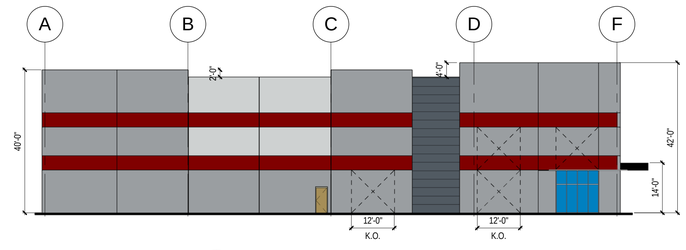
0' 20' 40' 60' 80'



4 EXTERIOR ELEVATION-WEST

SCALE: 1" = 20'-0"

0' 20' 40' 60' 80'



3 EXTERIOR ELEVATION-EAST

SCALE: 1" = 20'-0"

0' 20' 40' 60' 80'

 8/18/2016 17:17:12 C:\Revit Local Files\TruStop-Central_Moanonmen.rvt

2929.COM
DEUTSCH ARCHITECTURE GROUP
4600
EAST INDIAN SCHOOL RD
PHOENIX, ARIZONA 85018
602-840-2929 P
602-840-6646 F

PROGRESS PRINT
NOT FOR CONTRUCTION
OR RECORDING

TRU STOP SPEC BUILDING
ADDRESS TBD

NOTICE OF EXTENDED CERTIFICATION AND APPROVAL PERIOD PROVISION - THIS CONTRACT ALLOWS THE OWNER TO CERTIFY AND APPROVE BILLINGS AND ESTIMATES WITHIN 30 DAYS AFTER THE BILLINGS AND ESTIMATES ARE RECEIVED FROM THE CONTRACTOR

REVISIONS

No.	DATE	DESCRIPTION

PROJECT NO:	
DATE:	05-26-2016
DRAWN BY:	MVO
CHK'D BY:	DTC, DCALC

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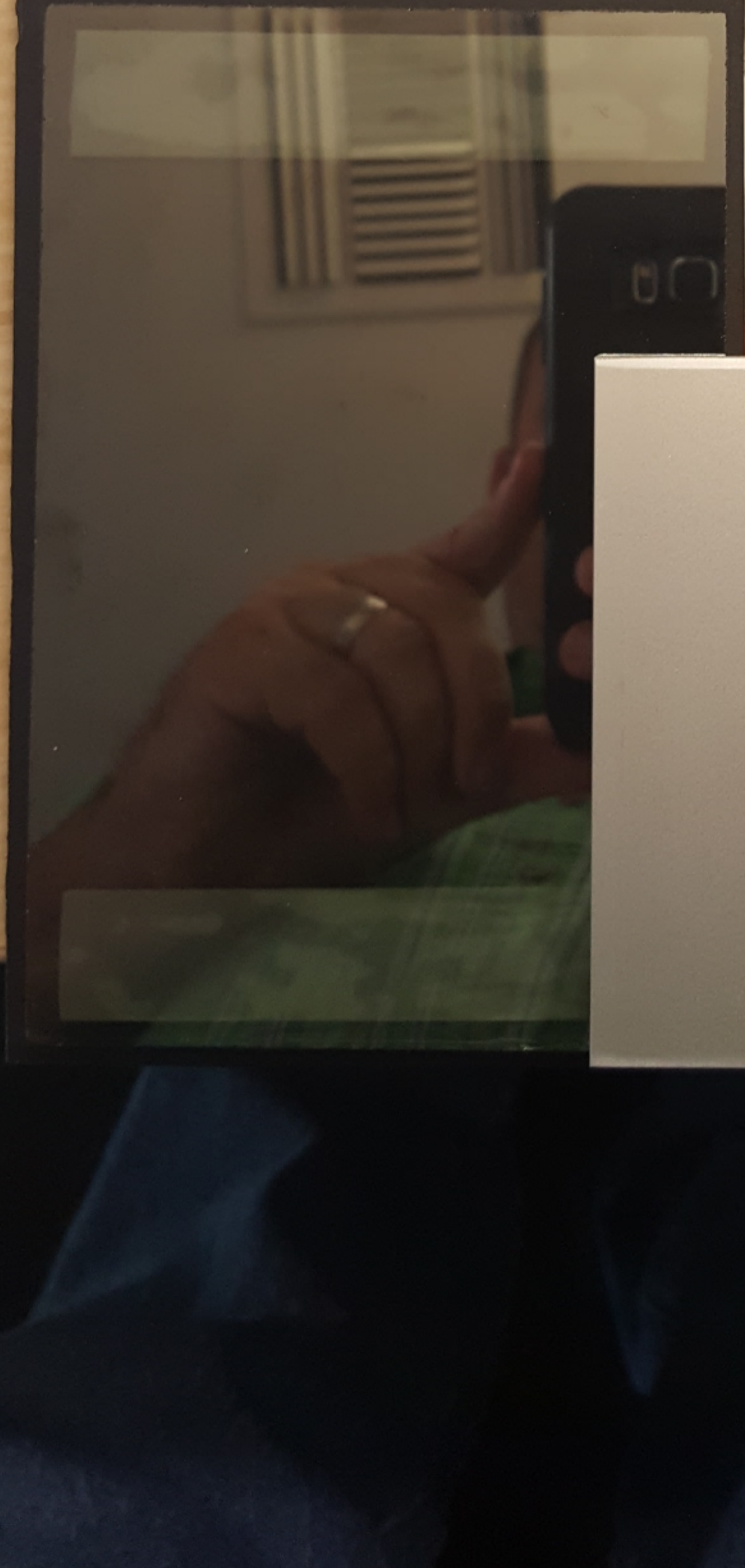
INTERIOR ELEVATIONS

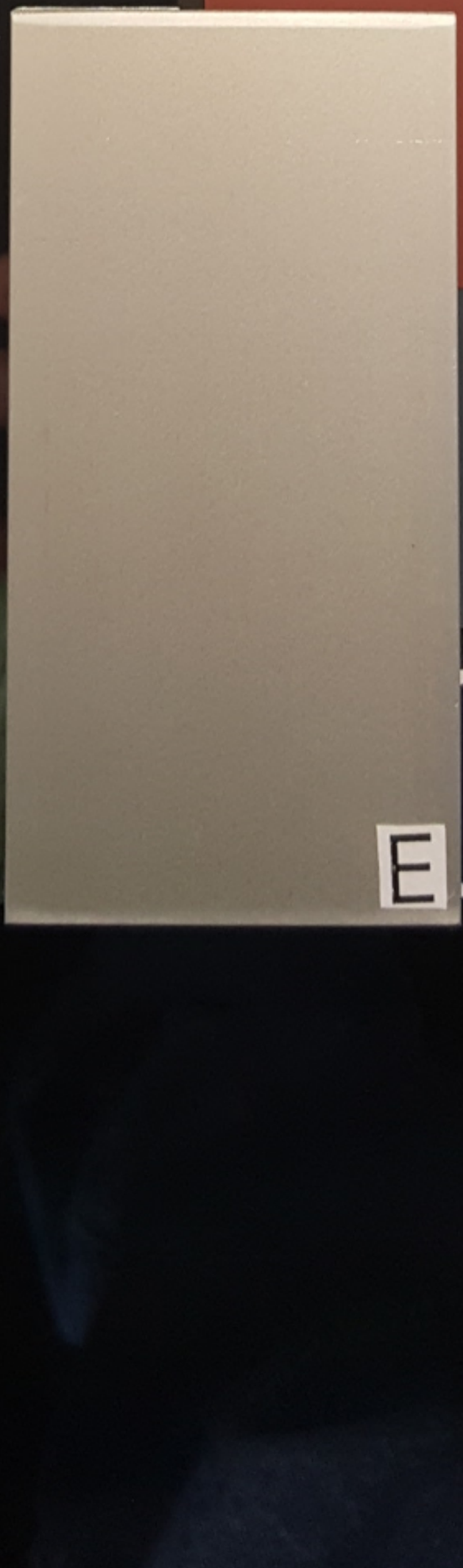
A-220

TRU STOP SPEC BUILDING- SCHEMATIC DESIGN-

TRUSTOP
MANUFACTURING
BUILDING

CASE NUMBER: PS16-061
3505 N. GREENFIELD RD.





A

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DEUTSCH ARCHITECTURE GROUP

SITE CONTEXT PHOTOGRAPHS - TRUSTOP

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SITE CONTEXT PHOTOGRAPHS - TRUSTOP

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SITE CONTEXT PHOTOGRAPHS - TRUSTOP

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SITE CONTEXT PHOTOGRAPHS - TRUSTOP

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SITE CONTEXT PHOTOGRAPHS – TRUSTOP

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SITE CONTEXT PHOTOGRAPHS – TRUSTOP

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SITE CONTEXT PHOTOGRAPHS – TRUSTOP

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24

D-Series Size 1
LED Area Luminaire

Catalog Number

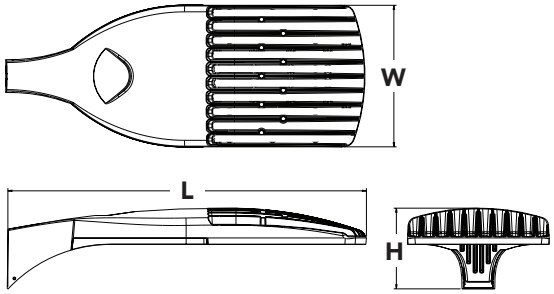
Notes

Type

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

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)



Introduction

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

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

Ordering Information

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

DSX1LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** 30C 30 LEDs (one engine) 40C 40 LEDs (two engines) 60C 60 LEDs (two engines) **Rotated optics** [1] 60C 60 LEDs (two engines)	530 530 mA 700 700 mA 1000 1000 mA (1 A) [2]	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted [3]	T1S Type I Short T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium T5VS Type V Very Short T5S Type V Short T5M Type V Medium T5W Type V Wide BLC Backlight control [4] LCCO Left corner cutoff [4] RCCO Right corner cutoff [4]	MVOLT [5] 120 [5] 208 [5] 240 [5] 277 [5] 347 [6] 480 [6]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor [7] RPUMBA Round pole universal mounting adaptor [7] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) [8]

Control options

Shipped installed

PER	NEMA twist-lock receptacle only (no controls) [9]
PER5	Five-wire receptacle only (no controls) [9,10]
PER7	Seven-wire receptacle only (no controls) [9,10]
DMG	0-10V dimming driver (no controls) [11]
DCR	Dimmable and controllable via ROAM® (no controls) [12]
DS	Dual switching [13,14]
PIR	Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc [15]
PIRH	Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc [15]
PIR1FC3V	Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [15]
PIRH1FC3V	Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [15]
BL30	Bi-level switched dimming, 30% [14,16]
BL50	Bi-level switched dimming, 50% [14,16]
PNMTDD3	Part night, dim till dawn [17]
PNMT5D3	Part night, dim 5 hrs [17]
PNMT6D3	Part night, dim 6 hrs [17]
PNMT7D3	Part night, dim 7 hrs [17]

Other options

Shipped installed

HS	House-side shield [18]
WTB	Utility terminal block [19]
SF	Single fuse (120, 277, 347V) [20]
DF	Double fuse (208, 240, 480V) [20]
L90	Left rotated optics [21]
R90	Right rotated optics [21]

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Accessories

Ordered and shipped separately.

Controls & Shields

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [22]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [22]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [22]
DSHORT SBK U	Shorting cap [22]
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [8]

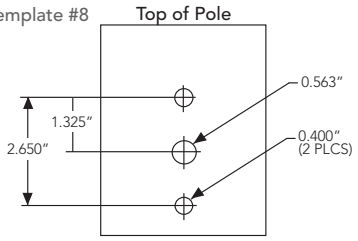
For more control options, visit DTL and ROAM online.

NOTES

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

Drilling

Template #8



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

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

Example: SSA 20 4C **DM19AS** DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.
**Round pole top must be 3.25" O.D. minimum.*
***For round pole mounting (RPA) only.*

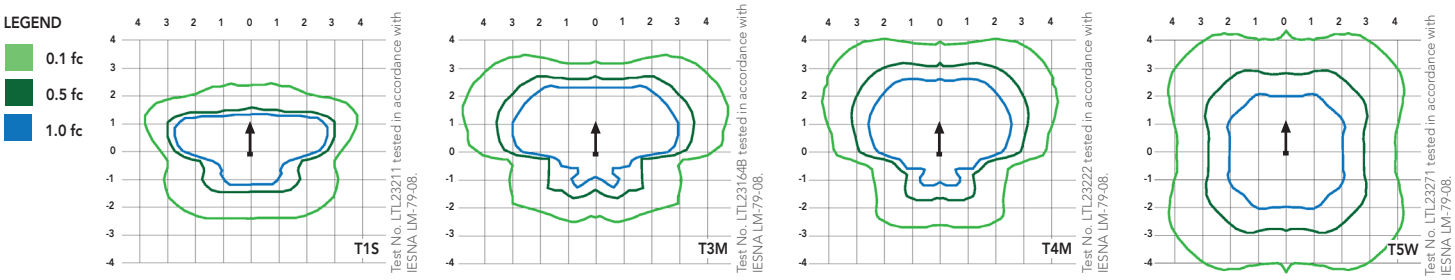
Tenon Mounting Slipfitter **

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

Photometric Diagrams

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

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



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

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

Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

Performance Data

Lumen Output

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

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	1	0	2	116	6,485	1	0	2	125	6,525	1	0	2	125	3,752	1	0	1	72
			T4M	6,121	1	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			T5VS	6,370	2	0	0	123	6,840	2	0	0	132	6,883	2	0	0	132	3,928	2	0	0	76
			T5S	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,881	2	0	0	75
			T5M	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,930	2	0	1	76
			T5W	6,334	3	0	1	122	6,801	3	0	1	131	6,844	3	0	1	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	2	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
	700 mA	68 W	T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69
			T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69
			T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69
			TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68
			T5VS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72
			T5S	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72
			T5M	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72
			T5W	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70
			BLC	6,028	1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96					
			LCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93					
			RCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93					
	1000 mA	105 W	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106					
			T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110					
			T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107					
			T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107					
			T3M	10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108					
			T4M	10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109					
			TFTM	10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108					
			T5VS	11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114					
			T5S	11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115					
			T5M	11,165	3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115					
			T5W	11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113					
			BLC	7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82					
			LCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80					
			RCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80					

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

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74
			T2M	7,920	2	0	2	116	8,504	2	0	2	125	8,557	2	0	2	126	4,858	1	0	2	71
			T3S	7,910	1	0	2	116	8,494	2	0	2	125	8,547	2	0	2	126	4,966	1	0	1	73
			T3M	7,982	2	0	2	117	8,571	2	0	2	126	8,625	2	0	2	127	4,941	1	0	2	73
			T4M	8,090	1	0	2	119	8,687	2	0	2	128	8,741	2	0	2	129	4,950	1	0	2	73
			TFTM	7,969	1	0	2	117	8,558	2	0	2	126	8,611	2	0	2	127	4,875	1	0	2	72
			T5VS	8,419	2	0	0	124	9,040	3	0	1	133	9,097	3	0	1	134	5,174	2	0	0	76
			T5S	8,481	2	0	0	125	9,107	3	0	1	134	9,164	3	0	1	135	5,111	2	0	0	75
			T5M	8,496	3	0	1	125	9,123	3	0	2	134	9,180	3	0	2	135	5,175	3	0	1	76
			T5W	8,371	3	0	2	123	8,989	3	0	2	132	9,045	3	0	2	133	5,031	3	0	1	74
			BLC	6,255	1	0	2	92	6,717	1	0	2	99	6,759	1	0	2	99					
			LCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
			RCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
	700 mA	91 W	T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	121	6,014	1	0	1	68
			T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	125	6,299	2	0	2	71
			T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	122	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	122	6,229	1	0	2	70
			T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	123	6,198	2	0	2	70
			T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	125	6,209	1	0	2	70
			TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	123	6,115	1	0	2	69
			T5VS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	130	6,490	2	0	0	73
			T5S	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	131	6,411	2	0	0	72
			T5M	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	131	6,492	3	0	1	73
			T5W	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	129	6,311	3	0	2	71
			BLC	7,963	1	0	2	89	8,551	1	0	2	96	8,605	1	0	2	97					
			LCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94					
			RCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94					
	1000 mA	138 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107					
			T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110					
			T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108					
			T3S	13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108					
			T3M	13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109					
			T4M	14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110					
			TFTM	13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108					
			T5VS	14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115					
			T5S	14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115					
			T5M	14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116					
			T5W	14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114					
			BLC	10,516	1	0	2	76	11,292	1	0	2	82	11,363	1	0	2	82					
			LCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80					
			RCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80					

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

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			T5VS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			T5W	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
	700 mA	131 W	T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
			T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72
			T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69
			T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71
			T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70
			T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71
			TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69
			T5VS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74
			T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73
			T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74
			T5W	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72
			BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97					
			LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94					
			RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94					
	1000 mA	209 W	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104					
			T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107					
			T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105					
			T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105					
			T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105					
			T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107					
			TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105					
			T5VS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111					
			T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112					
			T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112					
			T5W	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111					
			BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80					
			LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78					
			RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78					

FEATURES & SPECIFICATIONS

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

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft^2) for optimized pole wind loading.

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

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

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

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

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

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

d-series

D-Series Size 2
LED Wall Luminaire

Catalog Number

Notes

Type

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

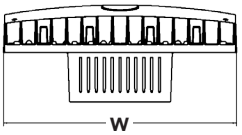
Specifications

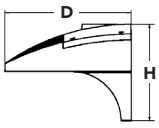
Luminaire

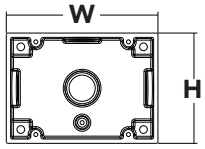
Width:	18-1/2" (47.0 cm)	**Weight:**	21 lbs (9.5 kg)
Depth:	10" (25.4 cm)		
Height:	7-5/8" (19.4 cm)		

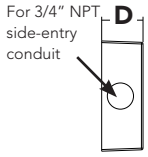
Back Box (BBW)

Width:	5-1/2" (14.0 cm)	**BBW Weight:**	1 lbs (0.5 kg)
Depth:	1-1/2" (3.8 cm)		
Height:	4" (10.2 cm)		









Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 76% in energy savings over comparable 400W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW2 LED 30C 700 40K T3M MVOLT DDBTXD

DSXW2 LED

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW2 LED	20C 20 LEDs (two engines) 30C 30 LEDs (three engines)	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium ASYDF Asymmetric diffuse	MVOLT [1] 120 [1] 208 [1] 240 [1] 277 [1] 347 [2] 480 [2]	**Shipped included** (blank) Surface mounting bracket **Shipped separately**[3] BBW Surface-mounted back box (for conduit entry)	**Shipped installed** PE Photoelectric cell, button type [4] PER NEMA twist-lock receptacle only (no controls) DMG 0-10V dimming driver (no controls) DCR Dimmable and controllable via ROAM® (no controls)[5] PIRH 180° motion/ambient light sensor, 15-30' mtg ht [6] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[7] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[7]

Other Options

Shipped installed

SF	Single fuse (120, 277, 347V) [8]
DF	Double fuse (208, 240, 480V) [8]
HS	House-side shield [3]
SPD	Separate surge protection [9]

Shipped separately [9]

BSW	Bird-deterrent spikes
WG	Wire guard
VG	Vandal guard

Finish *(required)*

DDBXD	Dark bronze	DSSXD	Sandstone	DWHGXD	Textured white
DBLXD	Black	DDBTXD	Textured dark bronze	DSSTXD	Textured sandstone
DNAXD	Natural aluminum	DBLBXD	Textured black		
DWHXD	White	DNATXD	Textured natural aluminum		

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
2. Available with 30 LED/700mA options only (DSXW2 LED 30C 700). DMG option not available.
3. Also available as a separate accessory; see Accessories information.
4. Photocontrol (PE) requires 120, 208, 240 or 277 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
5. Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347V, 480V or PIRH. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net.
6. Specifies the Sensor Switch SBGR-6-ODP control; see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell) or DCR. Dimming driver standard.
7. PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
8. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
9. See the electrical section on page 2 for more details.
10. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [10]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [10]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [10]
SC U	Shorting cap [10]
DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW2WG U	Wire guard accessory
DSXW2VG U	Vandal guard accessory
DSXW2BBW DDBXD U	Back box accessory (specify finish)

LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonia.com

Performance Data

Lumen Output

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

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					AMBER				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	350mA	25W	T2S	2,783	1	0	1	111	2,989	1	0	1	120	3,007	1	0	1	120	1,720	1	0	1	69
			T2M	2,708	1	0	1	108	2,908	1	0	1	116	2,926	1	0	1	117	1,673	1	0	1	67
			T3S	2,748	1	0	1	110	2,951	1	0	1	118	2,970	1	0	1	119	1,698	0	0	1	68
			T3M	2,793	1	0	1	112	2,999	1	0	1	120	3,018	1	0	1	121	1,726	1	0	1	69
			T4M	2,756	1	0	1	110	2,959	1	0	1	118	2,978	1	0	1	119	1,703	0	0	1	68
			TFTM	2,754	1	0	1	110	2,957	1	0	1	118	2,975	1	0	1	119	1,701	0	0	1	68
	530 mA	36W	T2S	4,029	1	0	1	112	4,327	1	0	1	120	4,354	1	0	1	121	1,698	0	0	1	68
			T2M	3,920	1	0	1	109	4,210	1	0	1	117	4,236	1	0	1	118	1,726	1	0	1	69
			T3S	3,979	1	0	1	111	4,272	1	0	1	119	4,299	1	0	1	119	1,720	1	0	1	69
			T3M	4,044	1	0	1	112	4,342	1	0	2	121	4,369	1	0	2	121	1,701	0	0	1	68
			T4M	3,990	1	0	1	111	4,284	1	0	1	119	4,311	1	0	1	120	1,703	0	0	1	68
			TFTM	3,986	1	0	1	111	4,281	1	0	1	119	4,307	1	0	1	120	1,673	1	0	1	67
	700 mA	47W	T2S	5,130	1	0	1	109	5,509	1	0	1	117	5,544	1	0	1	118	2,473	1	0	1	69
			T2M	4,991	1	0	1	106	5,360	1	0	1	114	5,393	1	0	2	115	2,406	1	0	1	67
			T3S	5,066	1	0	1	108	5,440	1	0	1	116	5,474	1	0	1	116	2,442	1	0	1	68
			T3M	5,148	1	0	2	110	5,528	1	0	2	118	5,563	1	0	2	118	2,482	1	0	1	69
			T4M	5,080	1	0	1	108	5,455	1	0	1	116	5,489	1	0	2	117	2,449	1	0	1	68
			TFTM	5,076	1	0	1	108	5,450	1	0	1	116	5,484	1	0	2	117	2,447	1	0	1	68
	1000 mA	74W	T2S	7,148	1	0	1	97	7,675	1	0	1	104	7,723	1	0	1	104	3,060	1	0	1	65
			T2M	6,954	1	0	2	94	7,467	1	0	2	101	7,514	2	0	2	102	2,977	1	0	1	63
			T3S	7,058	1	0	1	95	7,579	1	0	1	102	7,626	1	0	2	103	3,021	1	0	1	64
			T3M	7,173	1	0	2	97	7,702	1	0	2	104	7,750	1	0	2	105	3,070	1	0	1	65
			T4M	7,077	1	0	2	96	7,599	1	0	2	103	7,647	1	0	2	103	3,029	1	0	1	64
			TFTM	7,071	1	0	2	96	7,593	1	0	2	103	7,641	1	0	2	103	3,027	1	0	1	64
30C (30 LEDs)	350mA	36W	T2S	4,160	1	0	1	116	4,467	1	0	1	124	4,495	1	0	1	125	2,573	1	0	1	103
			T2M	4,047	1	0	1	112	4,346	1	0	1	121	4,373	1	0	1	121	2,503	1	0	1	100
			T3S	4,107	1	0	1	114	4,411	1	0	1	123	4,438	1	0	1	123	2,541	1	0	1	102
			T3M	4,174	1	0	1	116	4,482	1	0	2	125	4,511	1	0	2	125	2,582	1	0	1	103
			T4M	4,119	1	0	1	114	4,423	1	0	1	123	4,450	1	0	1	124	2,547	1	0	1	102
			TFTM	4,115	1	0	1	114	4,419	1	0	1	123	4,447	1	0	1	124	2,545	1	0	1	102
	530 mA	54W	T2S	6,001	1	0	1	111	6,444	1	0	1	119	6,485	1	0	1	120	2,573	1	0	1	71
			T2M	5,839	1	0	1	108	6,270	1	0	2	116	6,309	1	0	2	117	2,503	1	0	1	70
			T3S	5,926	1	0	1	110	6,363	1	0	1	118	6,403	1	0	1	119	2,541	1	0	1	71
			T3M	6,022	1	0	2	112	6,467	1	0	2	120	6,507	1	0	2	121	2,582	1	0	1	72
			T4M	5,942	1	0	1	110	6,381	1	0	2	118	6,420	1	0	2	119	2,547	1	0	1	71
			TFTM	5,937	1	0	1	110	6,375	1	0	2	118	6,415	1	0	2	119	2,545	1	0	1	71
	700 mA	71W	T2S	7,609	1	0	1	107	8,170	1	0	1	115	8,221	2	0	2	116	3,696	1	0	1	68
			T2M	7,402	1	0	2	104	7,949	2	0	2	112	7,999	2	0	2	113	3,596	1	0	1	67
			T3S	7,513	1	0	1	106	8,068	1	0	2	114	8,118	1	0	2	114	3,649	1	0	1	68
			T3M	7,635	1	0	2	108	8,199	1	0	2	115	8,250	2	0	3	116	3,709	1	0	2	69
			T4M	7,533	1	0	2	106	8,089	1	0	2	114	8,140	1	0	2	115	3,659	1	0	1	68
			TFTM	7,527	1	0	2	106	8,083	1	0	2	114	8,133	1	0	2	115	3,656	1	0	1	68
	1000 mA	109W	T2S	10,468	2	0	2	96	11,241	2	0	2	103	11,311	2	0	2	104	4,559	1	0	1	64
			T2M	10,184	2	0	2	93	10,936	2	0	2	100	11,004	2	0	2	101	4,436	1	0	2	62
			T3S	10,336	1	0	2	95	11,099	1	0	2	102	11,169	2	0	2	102	4,502	1	0	1	63
			T3M	10,505	2	0	3	96	11,280	2	0	3	103	11,351	2	0	3	104	4,575	1	0	2	64
			T4M	10,364	1	0	2	95	11,129	1	0	2	102	11,199	2	0	2	103	4,514	1	0	2	64
			TFTM	10,356	1	0	2	95	11,120	2	0	2	102	11,190	2	0	2	103	4,510	1	0	1	64

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

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.98

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A) 120V	208V	240V	277V	347V	480V
20C	350	25 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	-	-
	1000	74 W	0.68	0.39	0.34	0.29	-	-
30C	350	36 W	0.33	0.19	0.17	0.14	-	-
	530	54 W	0.50	0.29	0.25	0.22	-	-
	700	71 W	0.66	0.38	0.33	0.28	0.23	0.16
	1000	109 W	1.01	0.58	0.50	0.44	-	-

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW2 LED 30C 1000** 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).

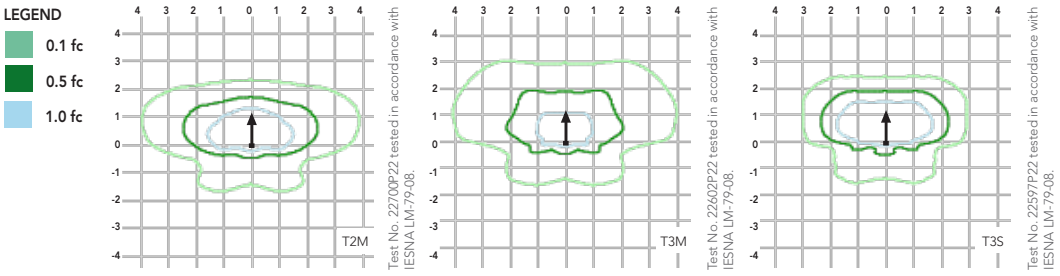
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.92	0.87

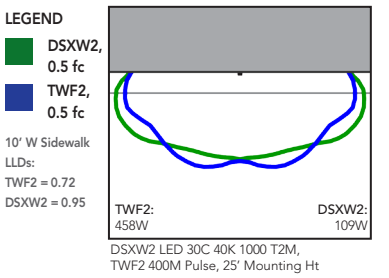
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 2 homepage.

Isofootcandle plots for the DSXW2 LED 30C 1000 40K. Distances are in units of mounting height (25').



Distribution overlay comparison to 400W metal halide.



DSXW2 LED 30C 40K 1000 T2M, TWF2 400M Pulse, 25' Mounting Ht

FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 2 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Two-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. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

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 textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (80 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L87/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

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

WARRANTY

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

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

D-Series Size 1
LED Wall Luminaire

Catalog Number

Notes

Type

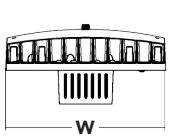
Hit the Tab key or mouse over the page to see all interactive elements.

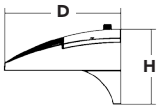
d-series

Specifications

Luminaire

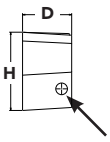
Width:	13-3/4" (34.9 cm)	**Weight:**	12 lbs (5.4 kg)
Depth:	10" (25.4 cm)		
Height:	6-3/8" (16.2 cm)		

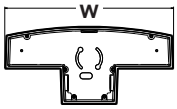




Back Box (BBW, ELCW)

Width:	13-3/4" (34.9 cm)	**BBW Weight:**	5 lbs (2.3 kg)
Depth:	4" (10.2 cm)	**ELCW Weight:**	10 lbs (4.5 kg)
Height:	6-3/8" (16.2 cm)		





For 3/4" NPT side-entry conduit (BBW only)

Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

DSXW1 LED							
Series	**LEDs**	**Drive Current**	**Color temperature**	**Distribution**	**Voltage**	**Mounting**	**Control Options**
DSXW1 LED	10C 10 LEDs (one engine) 20C 20 LEDs (two engines)	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium ASYDF Asymmetric diffuse	MVOLT [1] 120 [1] 208 [1] 240 [1] 277 [1] 347 [2] 480 [2]	**Shipped included** (blank) Surface mounting bracket BBW Surface-mounted back box (for conduit entry) [3]	**Shipped installed** PE Photoelectric cell, button type [4] DMG 0-10V dimming driver (no controls) PIR 180° motion/ambient light sensor, <15' mtg ht [5] PIRH 180° motion/ambient light sensor, 15-30' mtg ht [5] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [5] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [5] ELCW Emergency battery backup (includes external component enclosure) [6]

Other Options				Finish *(required)*					
Shipped installed		**Shipped separately** [8]		DDBXD	Dark bronze	DSSXD	Sandstone	DWHGXD	Textured white
SF	Single fuse (120, 277 or 347V) [7]	BSW	Bird-deterrent spikes	DBLXD	Black	DDBTXD	Textured dark bronze	DSSTXD	Textured sandstone
DF	Double fuse (208, 240 or 480V) [7]	WG	Wire guard	DNAXD	Natural aluminum	DBLBXD	Textured black		
HS	House-side shield [8]	VG	Vandal guard	DWHXD	White	DNATXD	Textured natural aluminum		
SPD	Separate surge protection [9]	DDL	Diffused drop lens						

Accessories

Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW1WG U	Wire guard accessory
DSXW1VG U	Vandal guard accessory

NOTES

1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
2 Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
3 Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
4 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
5 PIR and PIR1FC3V specifies the Sensor Switch SBGR-10-ODP control; PIRH specifies the Sensor Switch SBGR-6-ODP control; see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard. Not available with 20 LED/1000 mA configuration (DSXW1 LED 20C 1000).
6 Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
7 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option. Not available with ELCW.
8 Also available as a separate accessory; see Accessories information.
9 See the electrical section on page 3 for more details.

Performance Data

Lumen Output

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

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					AMBER				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	14W	T2S	1,415	0	0	1	101	1,520	0	0	1	109	1,529	0	0	1	109	894	0	0	1	64
			T2M	1,349	0	0	1	96	1,449	0	0	1	104	1,458	0	0	1	104	852	0	0	1	61
			T3S	1,400	0	0	1	100	1,503	0	0	1	107	1,512	0	0	1	108	884	0	0	1	63
			T3M	1,386	0	0	1	99	1,488	0	0	1	106	1,497	0	0	1	107	876	0	0	1	63
			T4M	1,358	0	0	1	97	1,458	0	0	1	104	1,467	0	0	1	105	858	0	0	1	61
			TFTM	1,411	0	0	1	101	1,515	0	0	1	108	1,525	0	0	1	109	892	0	0	1	64
			ASYDF	1,262	0	0	1	90	1,355	1	0	1	97	1,363	1	0	1	97	797	0	0	1	57
	530 mA	20W	T2S	2,054	1	0	1	103	2,205	1	0	1	110	2,219	1	0	1	111	1,264	0	0	1	63
			T2M	1,957	1	0	1	98	2,102	1	0	1	105	2,115	1	0	1	106	1,205	0	0	1	60
			T3S	2,031	0	0	1	102	2,181	0	0	1	109	2,195	0	0	1	110	1,250	0	0	1	63
			T3M	2,010	1	0	1	101	2,159	1	0	1	108	2,172	1	0	1	109	1,237	0	0	1	62
			T4M	1,970	1	0	1	99	2,115	1	0	1	106	2,128	0	0	1	106	1,212	0	0	1	61
			TFTM	2,047	0	0	1	102	2,198	0	0	1	110	2,212	0	0	1	111	1,260	0	0	1	63
			ASYDF	1,830	1	0	1	92	1,966	1	0	1	98	1,978	1	0	1	99	1,127	0	0	1	56
	700 mA	27W	T2S	2,623	1	0	1	97	2,816	1	0	1	104	2,834	1	0	1	105	1,544	0	0	1	57
			T2M	2,499	1	0	1	93	2,684	1	0	1	99	2,701	1	0	1	100	1,472	0	0	1	55
			T3S	2,593	1	0	1	96	2,785	1	0	1	103	2,802	1	0	1	104	1,527	0	0	1	57
			T3M	2,567	1	0	1	95	2,757	1	0	1	102	2,774	1	0	1	103	1,512	0	0	1	56
			T4M	2,515	1	0	1	93	2,701	1	0	1	100	2,718	1	0	1	101	1,481	0	0	1	55
			TFTM	2,614	1	0	1	97	2,807	1	0	1	104	2,825	1	0	1	105	1,539	0	0	1	57
			ASYDF	2,337	1	0	1	87	2,510	1	0	1	93	2,526	1	0	1	94	1,376	0	0	1	51
	1000 mA	40W	T2S	3,685	1	0	1	92	3,957	1	0	1	99	3,982	1	0	1	100	2,235	1	0	1	58
			T2M	3,512	1	0	1	88	3,771	1	0	1	94	3,795	1	0	1	95	2,130	1	0	2	55
			T3S	3,644	1	0	1	91	3,913	1	0	1	98	3,938	1	0	1	98	2,210	1	0	2	57
			T3M	3,607	1	0	1	90	3,874	1	0	1	97	3,898	1	0	1	97	2,187	1	0	2	56
			T4M	3,534	1	0	1	88	3,795	1	0	1	95	3,819	1	0	1	95	2,143	1	0	2	55
			TFTM	3,674	1	0	1	92	3,945	1	0	1	99	3,969	1	0	1	99	2,228	1	0	2	57
			ASYDF	3,284	1	0	1	82	3,527	1	0	1	88	3,549	1	0	1	89	1,991	1	0	2	51
20C (20 LEDs)	350mA	24W	T2S	2,820	1	0	1	118	3,028	1	0	1	126	3,047	1	0	1	127	1,777	1	0	1	74
			T2M	2,688	1	0	1	112	2,886	1	0	1	120	2,904	1	0	1	121	1,693	1	0	1	71
			T3S	2,789	1	0	1	116	2,995	1	0	2	125	3,013	1	0	2	126	1,757	0	0	1	73
			T3M	2,761	1	0	1	115	2,964	1	0	2	124	2,983	1	0	2	124	1,739	1	0	1	72
			T4M	2,705	1	0	1	113	2,904	1	0	2	121	2,922	1	0	2	122	1,704	1	0	1	71
			TFTM	2,811	1	0	1	117	3,019	1	0	2	126	3,038	1	0	2	127	1,771	0	0	1	74
			ASYDF	2,513	1	0	1	105	2,699	1	0	2	112	2,716	1	0	2	113	1,584	1	0	1	66
	530 mA	36W	T2S	4,079	1	0	1	113	4,380	1	0	1	122	4,408	1	0	1	122	2,504	1	0	1	70
			T2M	3,887	1	0	1	108	4,174	1	0	1	116	4,200	1	0	1	117	2,387	1	0	1	66
			T3S	4,034	1	0	1	112	4,332	1	0	1	120	4,359	1	0	1	121	2,477	1	0	1	69
			T3M	3,993	1	0	1	111	4,288	1	0	1	119	4,315	1	0	1	120	2,451	1	0	2	68
			T4M	3,912	1	0	2	109	4,201	1	0	2	117	4,227	1	0	1	117	2,402	1	0	1	67
			TFTM	4,066	1	0	1	113	4,367	1	0	1	121	4,394	1	0	1	122	2,496	1	0	1	69
			ASYDF	3,635	1	0	2	101	3,904	1	0	2	108	3,928	1	0	2	109	2,232	1	0	1	62
	700 mA	47W	T2S	5,188	1	0	1	110	5,571	1	0	1	119	5,606	1	0	1	119	3,065	1	0	1	65
			T2M	4,945	1	0	1	105	5,310	1	0	1	113	5,343	1	0	1	114	2,921	1	0	1	62
			T3S	5,131	1	0	1	109	5,510	1	0	2	117	5,544	1	0	2	118	3,031	1	0	1	64
			T3M	5,079	1	0	2	108	5,454	1	0	2	116	5,488	1	0	2	117	3,000	1	0	1	64
			T4M	4,976	1	0	2	106	5,343	1	0	2	114	5,377	1	0	2	114	2,939	1	0	1	63
			TFTM	5,172	1	0	2	110	5,554	1	0	2	118	5,589	1	0	2	119	3,055	1	0	1	65
			ASYDF	4,624	1	0	2	98	4,966	1	0	2	106	4,997	1	0	2	106	2,732	1	0	1	58
	1000 mA	74W	T2S	7,205	1	0	1	97	7,736	1	0	1	105	7,785	1	0	1	105	4,429	1	0	1	61
			T2M	6,866	1	0	2	93	7,373	1	0	2	100	7,419	1	0	2	100	4,221	1	0	2	58
			T3S	7,124	1	0	2	96	7,650	1	0	2	103	7,698	1	0	2	104	4,380	1	0	2	60
			T3M	7,052	1	0	2	95	7,736	1	0	2	105	7,620	1	0	2	103	4,335	1	0	2	59
			T4M	6,910	1	0	2	93	7,420	1	0	2	100	7,466	1	0	2	101	4,248	1	0	2	58
			TFTM	7,182	1	0	2	97	7,712	1	0	2	104	7,760	1	0	2	105	4,415	1	0	2	60
			ASYDF	6,421	1	0	2	87	6,895	2	0	2	93	6,938	2	0	2	94	3,947	1	0	2	54

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW1 LED 20C 1000** 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	0.95	0.93	0.88

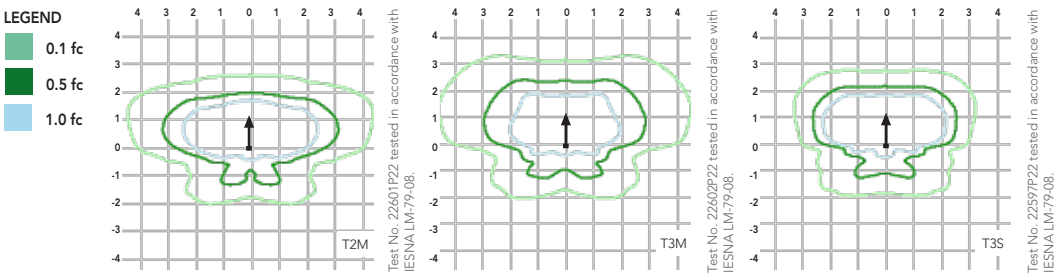
Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A) 120V	208V	240V	277V	347V	480V
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

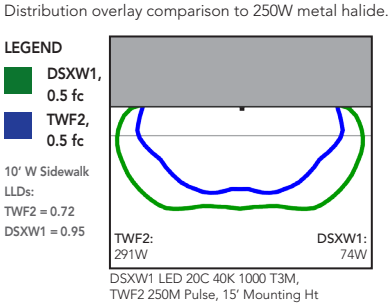
Photometric Diagrams

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

Isofootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').



Distribution overlay comparison to 250W metal halide.



DSXW1 LED 20C 40K 1000 T3M, TWF2 250M Pulse, 15' Mounting Ht

Options and Accessories

T3M (left), ASYDF (right) lenses

HS - House-side shields

BSW - Bird-deterrent spikes

WG - Wire guard

VG - Vandal guard

DDL - Diffused drop lens

FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Two-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. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

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 textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

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

WARRANTY

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

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