

## ABBREVIATIONS

- |         |                                    |
|---------|------------------------------------|
| @       | AT                                 |
| A/C     | AIR CONDITIONING(ER)               |
| A (AMP) | AMPERE                             |
| AC      | ABOVE COUNTER, ALTERNATING CURRENT |
| ADJ     | ADJUSTABLE                         |
| ADJT    | ADJACENT                           |
| ADF     | ABOVE FINISHED FLOOR               |
| AHJ     | AUTHORITY HAVING JURISDICTION      |
| AIC     | AMPERE INTERRUPTING CAPACITY       |
| ALT     | ALTERNATE                          |
| ANN     | ANNUNCIATOR                        |
| ARCH    | ARCHITECT; ARCHITECTURAL           |
| ATS     | AUTOMATIC TRANSFER SWITCH          |
| AUTO    | AUTOMATIC                          |
| AUX     | AUXILIARY                          |
| AWG     | AMERICAN WIRE GAUGE                |
|         |                                    |
| BKBD    | BACKBOARD                          |
| BKR     | BREAKER                            |
| BLDG    | BUILDING                           |

- |      |                                |
|------|--------------------------------|
| MAG  | MAGNETIC                       |
| MAN  | MANUAL                         |
| MAT  | MATERIAL                       |
| MAX  | MAXIMUM                        |
| MCA  | MINIMUM CIRCUIT AMPACITY       |
| MCC  | MCC CIRCUIT BREAKER            |
| MECH | MECHANICAL                     |
| MEZZ | MEZZANINE                      |
| MG   | MOTOR GENERATOR                |
| MH   | METAL HALIDE / MANHOLE         |
| MIN  | MINIMUM                        |
| MISC | MISCELLANEOUS                  |
| MLO  | MAIN LUG ONLY                  |
| MOOP | MAXIMUM OVERCURRENT PROTECTION |
| MS   | MAGNETIC STARTER               |
| MTD  | MOUNTED                        |
| MTG  | MOUNTING                       |
| MTR  | MOTOR                          |

|     |                     |
|-----|---------------------|
| CB  | CIRCUIT BREAKER     |
| CKT | CIRCUIT             |
| CLG | CEILING             |
| CLR | CLEAR               |
| COL | COLUMN              |
| COM | COMMUNICATION       |
| CPS | CYCLES PER SECOND   |
| CT  | CURRENT TRANSFORMER |

- |      |                                             |
|------|---------------------------------------------|
| NEMA | NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION |
| NESC | NATIONAL ELECTRICAL SAFETY CODE             |
| NEUT | NEUTRAL                                     |
| NPFA | NATIONAL FIRE PROTECTION AGENCY             |
| NIC  | NOT IN CONTRACT                             |
| NO   | NORMALLY OPEN                               |
| NTS  | NOT TO SCALE                                |
| OC   | ON CENTER                                   |
| OFCI | OWNER FURNISHED CONTRACTOR INSTALLED        |
| OFOI | OWNER FURNISHED OWNER INSTALLED             |
| OL   | OVERLOAD                                    |
| OS   | OPTIONAL STANDBY                            |

- |           |                               |
|-----------|-------------------------------|
| CU        | COPPER                        |
| DC        | DIRECT CURRENT                |
| DISC SW   | DISCONNECT SWITCH             |
| DISC      | DISCONNECT                    |
| DN        | DOWN                          |
| DWG       | DRAWING                       |
| E         | EXIST, EAST                   |
| EDH       | ELECTRIC DUCT HEATER          |
| EF        | EXHAUST FAN                   |
| EFG       | EQUIPMENT GROUNDING CONDUCTOR |
| EL        | ELEVATION                     |
| ELEC      | ELECTRIC(AL)                  |
| ELEV      | ELEVATOR                      |
| EM        | EMERGENCY                     |
| EMT       | ELECTRICAL METALLIC TUBING    |
| ENCL      | ENCLOSURE                     |
| ENTR      | ENTRANCE                      |
| EP        | EXPLOSION PROOF               |
| EPO       | EMERGENCY POWER OFF           |
| EQUIP/EQP | EQUIPMENT                     |
| EW        | ELECTRIC WATER COOLER         |
| EWH       | ELECTRIC WATER HEATER         |
| EHA       | EXHAUST                       |
| EXT       | EXTERIOR                      |
| EXIST     | EXISTING                      |

- |       |                        |
|-------|------------------------|
| P     | PRIMARY                |
| PA    | PUBLIC ADDRESS         |
| PAR   | PARALLEL               |
| PAR   | PULL BOX               |
| PE    | PHOTO ELECTRIC         |
| PF    | POWER FACTOR           |
| PH    | PHASE                  |
| PV    | POST INDICATOR VALVE   |
| PNL   | PANEL                  |
| POC   | POINT OF CONNECTION    |
| PWR   | POWER                  |
| QTY   | QUANTITY               |
| R (R) | RELOCATE (D)           |
| RAD   | RADIUS                 |
| RECP  | RECEPTACLE             |
| REF   | REFRIGERATOR           |
| RLA   | RATED LOAD AMPS        |
| RPM   | REVOLUTIONS PER MINUTE |

|      |                                  |
|------|----------------------------------|
| F    | FAHRENHEIT/FUSE                  |
| FA   | FIRE ALARM                       |
| FAA  | FIRE ALARM ANNUNCIATOR           |
| FACP | FIRE ALARM CONTROL PANEL         |
| FC   | FOOTCANDLE                       |
| FCU  | FAN COIL UNIT                    |
| FD   | FIRE DAMPER                      |
| FDR  | FEEDER                           |
| FIXT | FIXTURE                          |
| FLA  | FULL LOAD AMPS                   |
| FSD  | FIRE/SMOKE DAMPER                |
| GEN  | GENERATOR                        |
| GFI  | GROUND FAULT CIRCUIT INTERRUPTER |
| GFR  | GROUND FAULT RELAY               |

- |      |                              |
|------|------------------------------|
| S    | SOUTH                        |
| SC   | SECURITY                     |
| SCCR | SHORT CIRCUIT CURRENT RATING |
| SD   | SMOKE DETECTOR               |
| SECT | SECTION                      |
| SF   | SUPPLY FAN                   |
| SHT  | SHEET                        |
| SPD  | SURGE PROTECTIVE DEVICE      |
| SPEC | SPECIFICATION                |
| SPL  | SPECIAL                      |
| SQ   | SQUARE                       |
| STOR | STORAGE                      |
| SW   | SWITCH                       |
| SWRD | SWITCHBOARD                  |
| SYM  | SYMMETRICAL                  |
| SYS  | SYSTEM                       |
|      |                              |
| T    | THERMOSTAT                   |
| TB   | TERMINAL BOX                 |
| TC   | TIME CLOCK                   |
| TEL  | TELEPHONE                    |
| TV   | TELEVISION                   |
| Typ  | TYPICAL                      |
|      |                              |
| UFC  | UNIFORM FIRE CODE            |
| UG   | UNDERGROUND                  |
| UH   | UNIT HEATER                  |
| UL   | UNDERWRITERS LABORATORIES    |
| UON  | UNLESS OTHERWISE NOTED       |
| UV   | UNIT VENTILATOR              |
|      |                              |
| V    | VOLT                         |
| VAV  | VARIABLE AIR VOLUME          |
| VEL  | VELOCITY                     |
| VM   | VOLTMETER                    |
| VOL  | VOLUME                       |

- |       |                                                   |
|-------|---------------------------------------------------|
| H     | HEIGHT                                            |
| HID   | HIGH INTENSITY DISCHARGE                          |
| HOA   | HAND OFF AUTOMATIC                                |
| HOR   | HORIZONTAL                                        |
| HP    | HORSEPOWER                                        |
| HR    | HOURL                                             |
| HT    | HEIGHT                                            |
| HW    | HOT WATER                                         |
| HZ    | HERTZ                                             |
| IBC   | INTERNATIONAL BUILDING CODE                       |
| IC    | INTERCOM                                          |
| IES   | ILLUMINATING                                      |
| IEEE  | INSTITUTE OF ELECTRICAL AND ELECTRON<br>ENGINEERS |
| IG    | ISOLATED GROUND                                   |
| IMC   | INTERMEDIATE METAL CONDUIT                        |
| IN    | INCH                                              |
| JB    | JUNCTION BOX                                      |
| KCMIL | THOUSAND CIRCULAR MILLS                           |
| KVA   | KILOVOLT AMPERES                                  |
| KVAR  | KILOVOLT AMPERES REACTIVE                         |
| KW    | KILOWATT                                          |
| KWH   | KILOWATT HOUR                                     |
| LBS   | POUNDS                                            |
| LF    | LINEAR FEET (FEET)                                |
| LRA   | LOOKED ROTOR AMPS                                 |
| LS    | LIFE SAFETY                                       |
| LT    | LIGHT                                             |
| LTG   | LIGHTING                                          |
| LV    | LOW VOLTAGE                                       |

- |     |               |
|-----|---------------|
| W   | WATT, WEST    |
| W/  | WITH          |
| W/O | WITHOUT       |
| WH  | WATER HEATER  |
| WHM | WATT HOUR MET |
| WP  | WEATHERPROOF  |

- |       |             |
|-------|-------------|
| X     | REACTANCE   |
| XFMR  | TRANSFORMER |
| XMTR  | TRANSMITTER |
| Z     | IMPEDANCE   |
| &     | AND         |
| I.E.: | THAT IS     |

architecture  
planning  
interiors  
graphics  
civil engineering

2777 E. Camelback Rd, Suite 325  
Phoenix, AZ 85016  
p 480.767.1001  
f 480.907.2789



**SOSSAMAN 202  
INDUSTRIAL PARK**  
S. SOSSAMAN ROAD  
MESA, ARIZONA

[illegible]

|           |               |
|-----------|---------------|
| PA / PM:  | B. SANDSTROM  |
| DRAWN BY: |               |
| JOB NO.:  | PHX21-0009-00 |

SHEET

E0.0

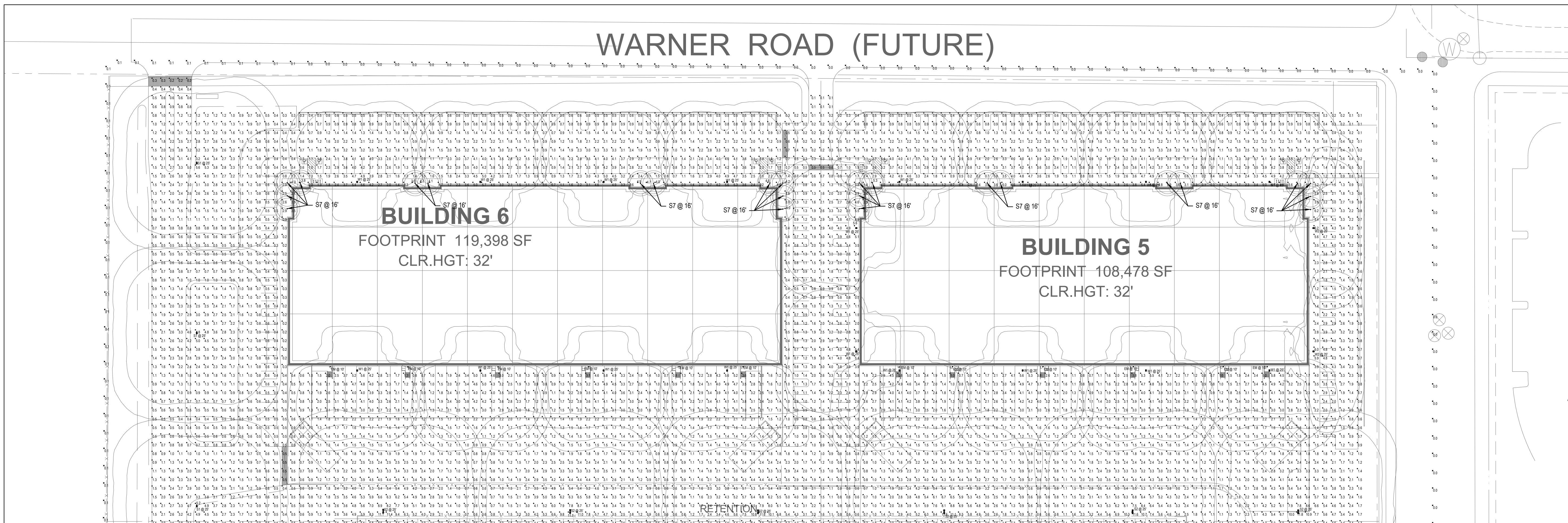
SÄZÄN  
GROUP

311 E. Veterans Way, Ste. 102  
Tempe, Az 85281

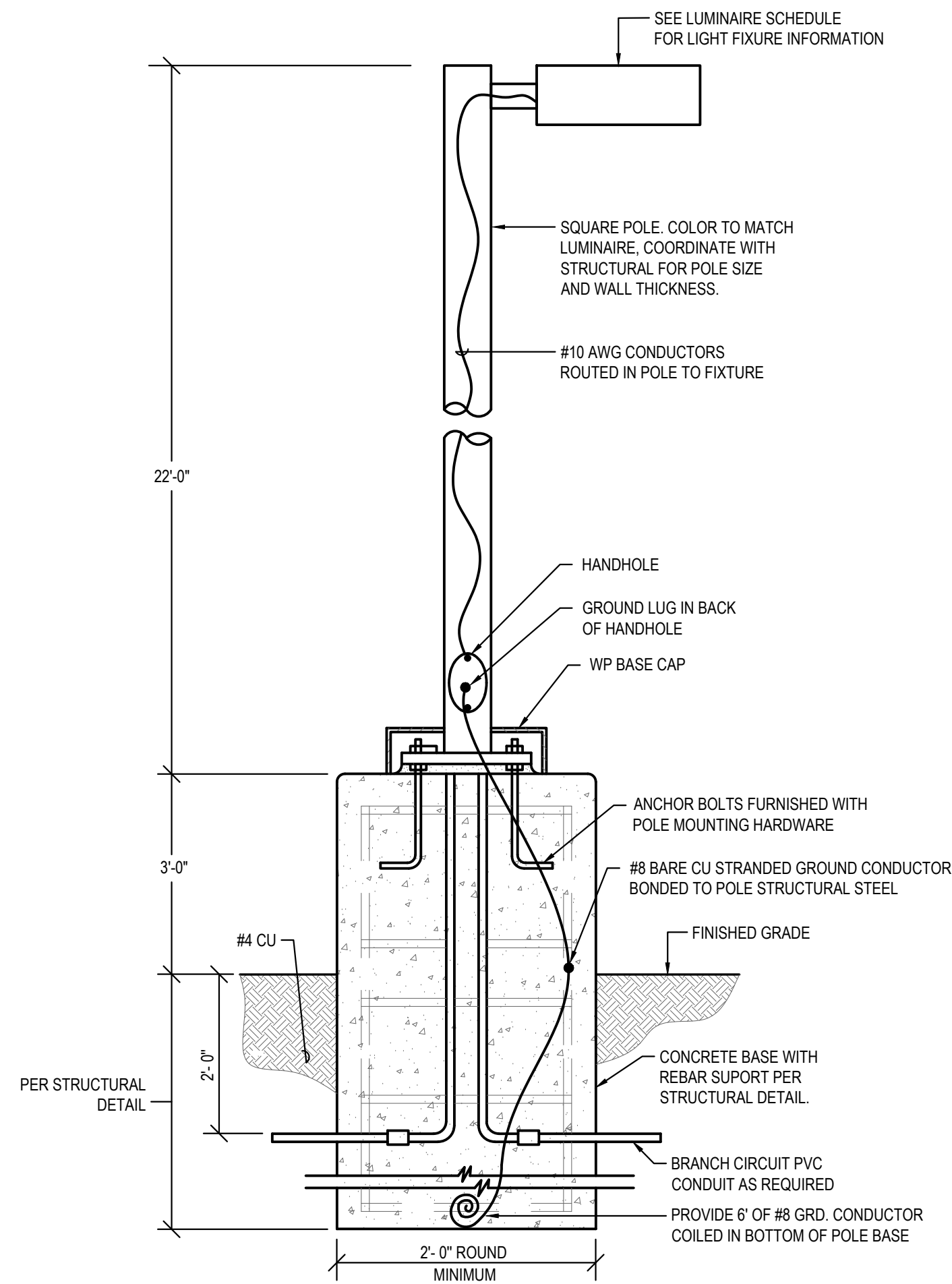
 Tel 480.530.9101  
Fax 206.267.1701  
SAZAN # 837-21014

SAZAN # 837-21014





CONTINUATION ON SHEET E1.1

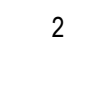
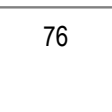
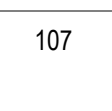
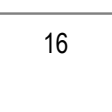


NOTE: THE POLE MANUFACTURER SHALL PROVIDE AN ENGINEERED POLE BASE DESIGN FOR 100 MPH WIND LOADING WITH A 1.3 GUST FACTOR. THE POLE BASE DESIGN SHALL BE FROM A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ARIZONA. THE STRUCTURAL ENGINEER SHALL VERIFY THE WIND LOADING AND GUST FACTOR CRITERIA ABOVE ARE ADEQUATE FOR THE AREA OF INSTALLATION

## LIGHT POLE BASE DETAIL

SCALE: NTS

| Statistics     |        |        |         |        |         |         |
|----------------|--------|--------|---------|--------|---------|---------|
| Description    | Symbol | Avg    | Max     | Min    | Max/Min | Avg/Min |
| PL FC @ 3' AFG | ✕      | 0.1 fc | 0.5 fc  | 0.0 fc | N/A     | N/A     |
| SITE FC AFG    | +      | 1.9 fc | 11.8 fc | 0.0 fc | N/A     | N/A     |

| Schedule                                                                              |       |          |                   |                                                                                |                                                                                                           |                    |                 |                   |         |
|---------------------------------------------------------------------------------------|-------|----------|-------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------|-----------------|-------------------|---------|
| Symbol                                                                                | Label | Quantity | Manufacturer      | Catalog Number                                                                 | Description                                                                                               | Lamp               | Lumens Per Lamp | Light Loss Factor | Wattage |
|  | EM    | 55       | Lithonia Lighting | AFF FCT                                                                        | AFF premium FCT (Forward Throw)                                                                           | LED, Forward throw | 451             | 0                 | 5.48    |
|  | S1    | 21       | LITHONIA          | DSX2 LED P8 40K T5W MVOLT SPA DDBXD / CEM-TEC 22.5' SSS POLE W/ 2.5' BASE      | DSX2 AREA LIGHT WITH P8 PERFORMANCE PACKAGE & T5W OPTIC MOUNTED @ 25' AFG                                 | 4000K LED          | 50729           | 0.91              | 431     |
|  | S2    | 12       | LITHONIA          | DSX2 LED TWIN P8 40K T5W MVOLT SPA DDBXD / CEM-TEC 22.5' SSS POLE W/ 2.5' BASE | DSX2 TWIN AREA LIGHT WITH P8 PERFORMANCE PACKAGE & T5W OPTIC MOUNTED @ 25' AFG                            | 4000K LED          | 50729           | 0.91              | 862     |
|  | S3    | 2        | LITHONIA          | DSX2 LED P4 40K TFTM MVOLT SPA DDBXD / CEM-TEC 22.5' SSS POLE W/ 2.5' BASE     | DSX2 AREA LIGHT WITH P4 PERFORMANCE PACKAGE & TFTM FORWARD THROW OPTIC MOUNTED @ 25' AFG                  | 4000K LED          | 33388           | 0.91              | 270     |
|  | S4    | 10       | LITHONIA          | DSX2 LED P3 40K T3M MVOLT SPA HS DDBXD / CEM-TEC 22.5' SSS POLE W/ 2.5' BASE   | DSX2 AREA LIGHT WITH P3 PERFORMANCE PACKAGE & T5W OPTIC MOUNTED @ 25' AFG                                 | 4000K LED          | 22240           | 0.91              | 217     |
|  | S6    | 5        | LITHONIA          | DSX2 LED P3 40K BLC MVOLT SPA DDBXD / CEM-TEC 22.5' SSS POLE W/ 2.5' BASE      | DSX2 AREA LIGHT WITH P3 PERFORMANCE PACKAGE & BACK LIGHT CONTROL OPTIC MOUNTED @ 25' AFG                  | 4000K LED          | 23165           | 0.91              | 217     |
|  | S7    | 76       | Lithonia Lighting | LDN6 40/10 L06AR LSS                                                           | 6IN LDN, 4000K, 1000LM, CLEAR, SEMI-SPECULAR REFLECTOR, CRI80                                             | 4000K LED          | 952             | 0.91              | 10.44   |
|  | W1    | 107      | LITHONIA          | DSX2 LED P4 30K TFTM MVOLT WBA DDBXD                                           | DSX2 AREA LIGHT WITH P4 PERFORMANCE PACKAGE && TFTM FORWARD THROW OPTIC WALL MOUNTED @ 25' AFG            | 4000K LED          | 30993           | 0.91              | 270     |
|  | W2    | 16       | LITHONIA          | DSX2 LED P4 30K T3M MVOLT WBA HS DDBXD                                         | DSX2 AREA LIGHT WITH P4 PERFORMANCE PACKAGE & T3 MEDIUM OPTIC W/ HOUSE SIDE SHIELD WALL MOUNTED @ 25' AFG | 4000K LED          | 24396           | 0.91              | 270     |

SÄZÄN  
GROUP

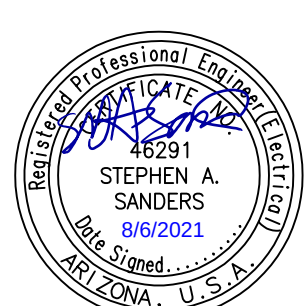
311 E. Veterans Way, Ste. 102  
Tempe, Az 85281

 Tel 480.530.9101  
Fax 206.267.1701  
SAZAN # 837-21014

architecture  
planning

interiors  
graphics  
civil engineering

2777 E. Camelback Rd, Suite 325  
Phoenix, AZ 85016  
p 480.767.1001  
f 480.907.2288



**SOSSAMAN 202  
INDUSTRIAL PARK**  
S. SOSSAMAN ROAD  
MESA, ARIZONA

[illegible]

|           |               |
|-----------|---------------|
| PA / PM:  | B. SANDSTROM  |
| DRAWN BY: |               |
| JOB NO.:  | PHX21-0009-00 |

**SHEET**

# E1.0

Fri, 06 Aug 2021



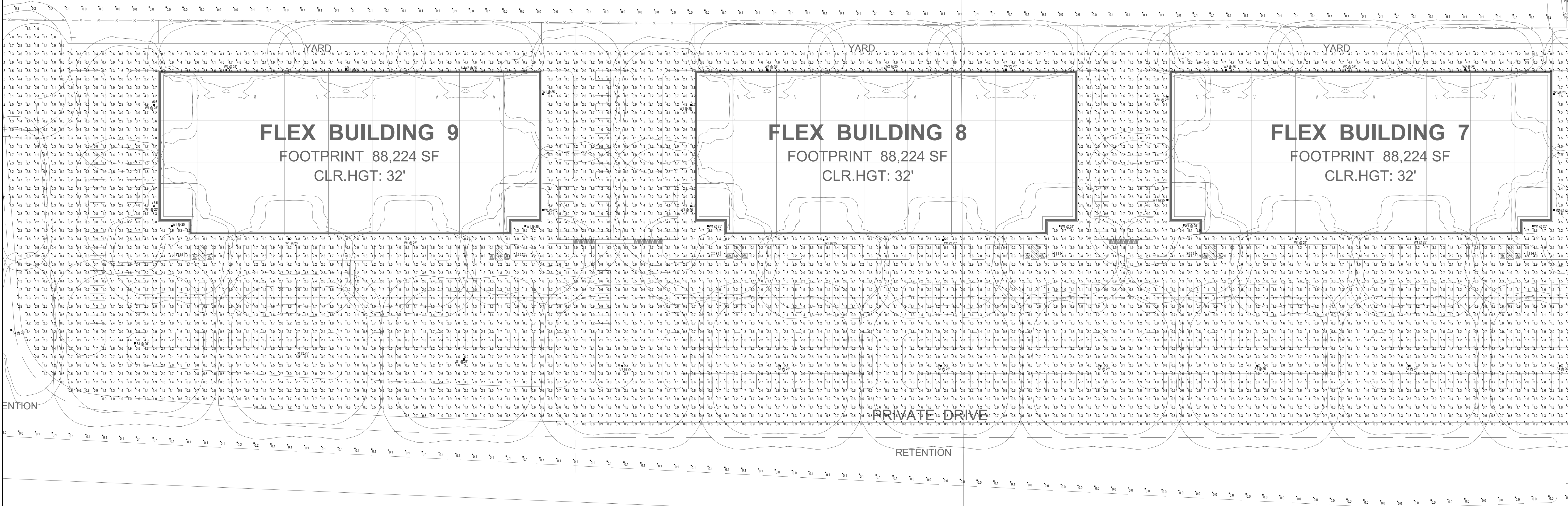








C:\Users\unrussell\AppData\Local\Temp\AcPublish\_21624\Sossaman Electrical.dwg



CONTINUATION ON SHEET E1.2

SÄZÄN  
GROUP

311 E. Veterans Way, Ste. 102  
Tempe, Arizona 85281

 Tel 480.530.9101  
Fax 206.267.1701  
SAZAN # 837-21014

| PHOTOMETRIC PLAN |         |
|------------------|---------|
| DATE             | REMARKS |
|                  |         |
|                  |         |
|                  |         |
|                  |         |
|                  |         |
|                  |         |
|                  |         |
|                  |         |
|                  |         |

|           |               |
|-----------|---------------|
| PA / PM:  | B. SANDSTROM  |
| DRAWN BY: |               |
| JOB NO.:  | PHX21-0009-00 |

SHEET

E1.3

Aug 2021

**WARE MALCOMB**  
Leading Design for Commercial Real Estate

architecture  
planning  
interiors  
graphics  
civil engineering  
2777 E. Camelback Rd. Suite 325  
Phoenix, AZ 85016  
PHX 480.710.1001  
F 480.907.2286



**SOSSAMAN 202  
INDUSTRIAL PARK**  
S. SOSSAMAN ROAD  
MESA, ARIZONA



FIXTURE: EM

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal for applications requiring low-profile, attractive emergency lighting with optional normally-off or normally-on with photocell control. Provides a minimum of 90 minutes of illumination both indoors and outdoors upon loss of AC power. **Certain aluminum contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic/Polycarbonate Compatibility table for suitable uses.**

**CONSTRUCTION** — Compact, low-profile, architectural design with die-cast aluminum housing. Finishes are texturized powder coat paint for dark bronze, white, black and non-texturized for natural aluminum. Text switch indicator light and remote enabled are located on the bottom of the housing and are easily accessible and visible from the floor.

**OPTICS** — LEDs with L70 of 55,000 hours. Delivers 635 lumens in Normal-On and Emergency operation. Optional field configurable white and/or warm-white throw distribution (**US Patent Pending**). Outdoor wide throw distribution: 70° (3' path of optical) on a 7.5" mounting height with 1 FC Average. 4,000K correlated color temperature (CCT).

70 CR.

**ELECTRICAL** — ULVOLT (120 thru 347V, 50/60Hz). Current-limiting charger maximizes battery life and minimizes energy consumption to provide low operating costs. Small battery charges (Certified in the CA Title 20 Appliance Efficiency Database).

**Short-circuit protection** — current-limiting charger circuitry protects printed circuit board from shorts. Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

**Prevents over-underscharging** that shortens battery life and reduces capacity. Filtered charge input minimizes charge voltage ripple and extends battery life.

**PhotoCell option (PEL)** for normally on product in order to discontinue illumination during periods when ambient light is present.

Remote units (DELR) are normally off. Emergency only functionality with DC power from an external battery.

**BATTERY:** Sealed, maintenance-free Lithium Iron Phosphate battery.

**SAFETY-DIAGNOSTICS AND REMOTE TEST (SORT OPTION):** Automatic 24-hour recharge after a 90-minute discharge. Advanced electrical design provides constant light output throughout the entire discharge period for use in Outlets. For cold weather and cold temperature applications, the light may diminish through the discharge cycle). Brownout protection is automatically activated to emergency mode when supply voltage drops below approximately 80 percent nominal of 120, 220, 277 or 347. Other outlet voltages may vary. AC/DC-to-set-allow battery connection before AC power is applied and prevents battery damage from deep discharge.

**Safety-Diagnostics:** Continuously monitors AC functionality. Standard temperature monitoring will instantly disconnected battery, charger failure and displays green faulting indicator light white in emergency mode. Single multi-chromatic LED indicator to display two-state charging, test activation and three-state self-diagnosis.

**Self-discharge testing:** Five minutes every 30 days and 90 minutes automatic. Diagnostic evaluation of range, AC to DC transfer, battery charging and condition of microprocessor. Diagnostic test is easily performed for test switch by activating manual test switch or use of remote tester (RTKIT accessory).

**Manual testing:** Test switch and remote tester (RTKIT accessory) provides manual activation of 60-second diagnostic testing for on-demand inspection. 90-minute manual testing can be enabled by pressing the test switch again while in test mode.

**INSTALLATION** — Wall mount: typically meets 7.5 to 14" mounting height from ground or floor. Power supplied by either mounting directly to a 4" square or 4" octagon 1/2-in. (wall mount) and accept rigid or flex conduit.

**LISTINGS** — UL wet location listed standard at 32-122°F to 105°F. Unit with CW (battery/wired) verified listed for 27°F to 122°F to 105°F. Remote listed for 40°F to 122°F to 105°F. FCC Type 15, Part 15, Subpart B and DSHA. List and labeled to comply with Canadian Standards C22.2 No. 141-0. Meets City of Chicago Code.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.scultbrands.com/support/customer-support/terms-and-conditions](http://www.scultbrands.com/support/customer-support/terms-and-conditions)

**Note:** Actual performance may be a result of end-user environment and application.

All units are design and type tested, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

† Small Battery Charges Certified in the CA Title 20 Appliance Efficiency Database.

|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |

## AFFINITY® Premium Die-Cast Architectural Emergency Light

# AFF

without photoCell (white)

without photoCell (natural aluminum)

with photoCell (white)

with photoCell (dark bronze)

## MEASURING

All dimensions are inches (centimeters).

Shipping weight: 3.5 lbs. (1.59 kg).

Technical drawings showing dimensions for different mounting options and photoCell configurations:

- Without PhotoCell (White):**
  - Top: 2.23 (57.1)
  - Right: 4.79 (121.6)
  - Bottom: 6.50 (165.0)
  - Left: 9.37 (238.4)
  - Bottom Center: 36.82 (204.3)
- With PhotoCell (White):**
  - Top: 4.79 (121.6)
  - Right: 4.79 (121.6)
  - Bottom: 6.50 (165.0)
  - Left: 48.82 (204.3)
  - Bottom Center: 36.82 (204.3)
- With PhotoCell (Dark Bronze):**
  - Top: 4.79 (121.6)
  - Right: 4.79 (121.6)
  - Bottom: 6.50 (165.0)
  - Left: 48.82 (204.3)
  - Bottom Center: 36.82 (204.3)

Length: 6.12 (15.51)

Depth: 3.22 (100.83)

Height: 10 (25.4)

Weight: 3.5 lbs (1.59 kg)

EMERGENCY

AFF

FIXTURE: S1 - S6 & W1, W2

# D-Series Size 2 LED Area Luminaire

d'series

|                   |  |
|-------------------|--|
| Catalog<br>Number |  |
| Notes             |  |
| Type              |  |

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

## Specifications

**EPA:** 1.1 ft<sup>2</sup>  
(0.10 m<sup>2</sup>)

**Length:** 40"  
(101.6 cm)

**Width:** 15"  
(38.1 cm)

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

**Height 2:** 3.5"

**Weight:** 36lbs

## 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. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE:** DSX2 LED P7 40K T3M MVOLT SPA NLTAR2 PIRHN DDBX2

| DSX2 LED |                                     |                   |              |                           |         |                                |                                                                                                                                                                                                                                                                                                                                                                      |
|----------|-------------------------------------|-------------------|--------------|---------------------------|---------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series   | LEDs                                | Color temperature | Distribution |                           | Voltage | Mounting                       |                                                                                                                                                                                                                                                                                                                                                                      |
| DSX2 LED | <b>Forward optics</b>               | 30K 3000 K        | T1S          | Type I Short (Automotive) | T5VS    | Type V Very Short <sup>1</sup> | <b>Shipped included</b><br>SPA Square pole mounting<br>RPA Round pole mounting <sup>2</sup><br>WBA Wall bracket <sup>1</sup><br>SPUMBA Square pole universal mounting adapter <sup>1</sup><br>RPUMBA Round pole universal mounting adapter <sup>1</sup><br><b>Shipped separately</b><br>KXAS DDBX2 U Mast arm mounting bracket adapter (specify finish) <sup>3</sup> |
|          | P1 P5 <sup>1</sup>                  | 40K 4000 K        | T2S          | Type I Short              | T5M     | Type V Medium <sup>1</sup>     |                                                                                                                                                                                                                                                                                                                                                                      |
|          | P2 P6                               | 50K 5000 K        | T3S          | Type I Medium             | T5W     | Type V Wide <sup>1</sup>       |                                                                                                                                                                                                                                                                                                                                                                      |
|          | P3 P7                               |                   | T3M          | Type II Medium            | RLC     | Right corner cut <sup>4</sup>  |                                                                                                                                                                                                                                                                                                                                                                      |
|          | P4 P8 <sup>1</sup>                  |                   | T3M          | Type II Medium            | LCCO    | Left corner cut <sup>4</sup>   |                                                                                                                                                                                                                                                                                                                                                                      |
|          | <b>Rotated optics</b>               |                   | T4M          | Type II Medium            | RCCO    | Right corner cut <sup>4</sup>  |                                                                                                                                                                                                                                                                                                                                                                      |
|          | P10 <sup>1</sup> P13 <sup>1,2</sup> |                   | T4M          | Type II Medium            |         |                                |                                                                                                                                                                                                                                                                                                                                                                      |
|          | P11 <sup>1</sup> P14 <sup>1,2</sup> |                   | TFTM         | Forward Throw Medium      |         |                                |                                                                                                                                                                                                                                                                                                                                                                      |
|          | P12 <sup>1</sup>                    |                   |              |                           |         |                                |                                                                                                                                                                                                                                                                                                                                                                      |
|          |                                     |                   |              |                           |         |                                |                                                                                                                                                                                                                                                                                                                                                                      |
|          |                                     |                   |              |                           |         |                                |                                                                                                                                                                                                                                                                                                                                                                      |
|          |                                     |                   |              |                           |         |                                |                                                                                                                                                                                                                                                                                                                                                                      |

| Content options          |                                                                                           | Other options             |                                           | Finish <sup>3</sup> required           |
|--------------------------|-------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------|----------------------------------------|
| <b>Shipped installed</b> |                                                                                           | <b>Shipped installed</b>  |                                           | <b>DDBX2</b> Dark bronze               |
| NLTAR2                   | Light AIR generation 2 enabled <sup>1</sup>                                               | HS                        | House-side shield <sup>1</sup>            | <b>DBX2</b> Black                      |
| PIRHN                    | Network, Bi-Level motion/ambient sensor <sup>1</sup>                                      | SF                        | Single face (120, 277, 347V) <sup>1</sup> | <b>DMAX</b> Natural aluminum           |
| PER                      | NIWA (twice lock receptacle only (no controls)) <sup>1,3</sup>                            | DF                        | Double face (120, 240, 480V) <sup>1</sup> | <b>DWBX2</b> White                     |
| PERB                     | Five-wire receptacle only (no controls) <sup>1,3</sup>                                    | L90                       | Left rotated optics <sup>1</sup>          | <b>DBR2D</b> Textured dark bronze      |
| PER7                     | Seven-wire receptacle only (no controls) <sup>1,3</sup>                                   | R90                       | Right rotated optics <sup>1</sup>         | <b>DBR2D</b> Textured dark bronze      |
| DM6                      | 0-10V dimming control not back of housing for external control (no controls) <sup>1</sup> | HA                        | 50°C ambient operations <sup>1</sup>      | <b>DMAX2</b> Textured natural aluminum |
| DS                       | Dual switching <sup>1,3</sup>                                                             | <b>Shipped separately</b> |                                           | <b>DWBX2D</b> Textured white           |
|                          |                                                                                           | BS                        | Bird spikes <sup>1</sup>                  |                                        |
|                          |                                                                                           | EES                       | External glare shield                     |                                        |

One Lithonia Way • Corvys, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
 © 2011-2021 Acuity Brands Lighting, Inc. All rights reserved.

DSX2-LED  
 Rev. 02/17/21  
 Page 1 of 8

COMMERCIAL OUTDOOR

FIXTURE: S7



| Category Number |
|-----------------|
| Notes           |
| Type            |

## FEATURES & SPECIFICATIONS

**INTENDED USE:** — Typical applications include corridors, lobbies, conference rooms and private offices.

**CONSTRUCTION:** — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are galvanized zinc plating.

Vertically adjustable mounting brackets with commercial bar hangers provide 3/32" total adjustment. Two combinations 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity 8/4 in. 4 wall. No. 12 AWG conductors, rated for 90°C.

Accommodates 12"x12" just spang.

Passive cooling thermal management for 25°C standard, higher ambient (40°C) optional. Light engine and drivers are accessible from above or below hinging.

Max ceiling thickness 1-1/2".

**OPTICS:** LEDs are housed in a 3-step SDCM; CR Min chromaticity, 90 CRI optional.

LED light source concealed with diffusing optical input.

General illumination lighting with 1.5 M/W/m<sup>2</sup> and 55° cutoff to cover and source image.

Gill Ranged and/or fixed reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

**ELECTRICAL:** — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box. 10% at 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

70% lumens delivered at 60,000 hours.

**Listings:** — Certified to UL and Canadian safety standards. Wet location standard (covered ceiling).

PSE listed ENERGY STAR® certified product.

**WARRANTY:** — 5-year limited warranty. Complete warranty terms located at: [www.aacalibrand.com/warranty/warranty-terms-and-conditions](http://www.aacalibrand.com/warranty/warranty-terms-and-conditions).

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


A+ Capable options indicated by this color background.

### ORDERING INFORMATION

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

**Example: LDN6 35/IS LOGAR LSS MWOLT E2T0**

| Series | Color temperature                                                         | Lumens*                                                                              | Aperture/Trim Color                                                  | Finish                                                    | Voltage                                                          |
|--------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|
| LDN6   |                                                                           |                                                                                      | LWS Downlight                                                        |                                                           |                                                                  |
| LDN6   | 6' round<br>27' 2500K<br>30' 3000K<br>35' 3500K<br>40' 4000K<br>50' 5000K | 85 530 lumens<br>87 750 lumens<br>90 1000 lumens<br>91 1500 lumens<br>92 2000 lumens | 25 2500 lumens<br>30 3000 lumens<br>40 4000 lumens<br>50 5000 lumens | LR Char<br>WR <sup>†</sup> White<br>BR <sup>‡</sup> Black | MSLT Multi-volt<br>120 120V<br>277 277V<br>347 <sup>§</sup> 347V |

| Driver | Options                                                                                   | Notes                                                                                                                                                | Notes                                                                                                                                                                                                                                                                                                                  |
|--------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| G210   | 0-10V driver dims to 10%                                                                  | SF <sup>¶</sup> Single face                                                                                                                          | N80 <sup>  </sup> nLight™ Lumens Compensation                                                                                                                                                                                                                                                                          |
| G21    | 0-10V driver dims to 1%                                                                   | TMT <sup>¶</sup> White painted flange                                                                                                                | ZPT <sup>¶</sup> Wireless control with "Just One Touch" pairing                                                                                                                                                                                                                                                        |
| D10    | Minimum dimming 10% driver for use with JOT                                               | TBRL <sup>¶</sup> Black painted flange                                                                                                               | NP80SEZ <sup>¶</sup> nLight™ dimming pack controls 8-10V e-diol LED drivers (E2T0, E2T1)                                                                                                                                                                                                                               |
| D1     | Minimum dimming 1% driver for use with JOT                                                | ELI <sup>¶</sup> Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MA20AB3                          | NP80SEZER <sup>¶</sup> nLight™ dimming pack controls 0-10V e-diol LED drivers (E2T0, E2T1). EL controls feature on emergency circuit.                                                                                                                                                                                  |
| F210   | 0-10V e-diol LED driver with smooth and flicker-free deep dimming performance down to 10% | ELB <sup>¶</sup> Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MA20AB3                            | H40 <sup>¶</sup> High ambient option                                                                                                                                                                                                                                                                                   |
| F21    | 0-10V e-diol LED driver with smooth and flicker-free deep dimming performance down to 10% | ELSD <sup>¶</sup> Emergency battery pack with self-diagnostic, integral test switch. 10W Constant Power, Not Certified in CA Title 20 MA20AB3        | CP <sup>¶</sup> Chicago Plenum                                                                                                                                                                                                                                                                                         |
| E21    | 0-10V e-diol LED driver with smooth and flicker-free deep dimming performance down to 1%  | EDWCPC <sup>¶</sup> Emergency battery pack with self-diagnostic, remote test switch. 10W Constant Power, Not Certified in CA Title 20 MA20AB3        | RLEC <sup>¶</sup> Ready-luminaire connectors enable a simple and consistent factory installed option across all ABU, luminaires and brands. See info in RML, RLH, RLS, RLX, and RSLC2/C3. Refer to RSL spec sheet on <a href="http://www.aacalibrand.com">www.aacalibrand.com</a> for the RLEC product specifications. |
| EA08   | e-diol LED DIAL SOLIDIVE dim to dark                                                      | EDWCPM <sup>¶</sup> Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MA20AB3                           | NLBAR2 <sup>¶</sup> nLight™ Air enabled                                                                                                                                                                                                                                                                                |
|        |                                                                                           | EDWCPM <sup>¶</sup> Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MA20AB3                             | NLBAR2M <sup>¶</sup> nLight™ Air Dimming Pack Wireless Controls. Controls features on emergency circuit, not available with battery pack options                                                                                                                                                                       |
|        |                                                                                           | NPAPD <sup>¶</sup> nLight™ emergency powerpack with 0-10V dimming for non-e-diol LED drivers (E2T0, E2T1).                                           | NLBAR2M2 <sup>¶</sup> nLight™ Air Dimming Pack Wireless Controls. US/CA Emergency Operation, via power internet connection. Available with battery pack options.                                                                                                                                                       |
|        |                                                                                           | NPAPDER <sup>¶</sup> nLight™ network powerpack with 0-10V dimming for non-e-diol LED drivers (E2T0, E2T1). EL controls feature on emergency circuit. | USPOM N90RI                                                                                                                                                                                                                                                                                                            |

**Accessories:** Order as separate catalog number:

- PS105SCC FMC Power Supply battery pack, T20 compliant, field installable. The constant power
- FAC1CSM 35CT Compatible intelligible AC power system
- FAC1ESM 12CT Compatible intelligible AC power system
- GRAG6 I2 Over sized trim ring w/ 8" outside diameter

**Notes**

- Overall height varies based on lumens package; refer to dimension chart on page 3.
- Not available with finches.
- Not available with emergency options.
- Must specify voltage 120V or 277V.
- Available with clear ABU reflector only.
- 12.5" x 6" pleenum depth or top access required for powerpack maintenance.
- Specify Voltage: ER for use with generator supply EMV power. WR require an emergency hot lead and normal hot lead.
- Fixture begins at 80% light level. Must be specified with NP80SEZ or NP80SER. Only available with E2T0 and E2T1 drivers.
- Not available with CP, NP80SEZ, NP80SEZER, NP160, NP950 or NP1000.
- NP160, NLBAR2 and NLBAR2M2 not recommended for metal ceiling installations.
- Finmer height 6.4 x 5" for all lumens packages with H40.
- Must specify voltage for 30000m and above. 50000m with marked spacing 24" x 1/4" W x H. Not available with emergency battery pack option.
- Must specify 120V or 277V. Not recommended with night options. Not available with CP. Not available for night installation. Not for use with emergency backup power systems other than battery packs.

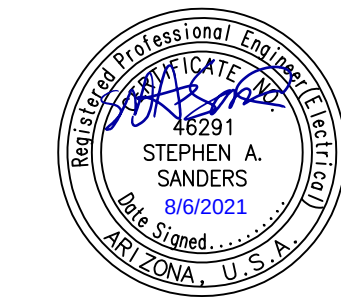
DOWNLIGHTING

LDN6

**WARE MALCOMB**  
Leading Design for Commercial Real Estate

architecture  
planning  
interiors  
graphics  
civil engineering

2777 E. Camelback Rd, Suite 325  
Phoenix, AZ 85016  
p 480.767.1001  
f 480.907.2288



**SOSSAMAN 202  
INDUSTRIAL PARK**  
S. SOSSAMAN ROAD  
MESA, ARIZONA

[illegible]

|           |               |
|-----------|---------------|
| PA / PM:  | B. SANDSTROM  |
| DRAWN BY: |               |
| JOB NO.:  | PHX21-0009-00 |

SHEET

## E1.4

Fri, 06 Aug 2021

SÄZÄN  
GROUP

311 E. Veterans Way, Ste. 102  
Tempe, Az 85281



Tel 480.530.910  
Fax 206.267.170

SAZAN # 837-2101