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PHOTO NUMBER AND VIEW ORENTATION

N

80 40 0 80 160

GRAPHIC SCALE
1" = 80'

Bowman CONSULTING

Bowman Consulting Group, Ltd.
2225 W. Washington, Ste 108
Tempe, Arizona 85281

Phone: (480) 629-8830

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PHOTO EXHIBIT

THE HERITAGE OF MESA

MARICOPA COUNTY

MESA, ARIZONA

PROJECT NUMBER

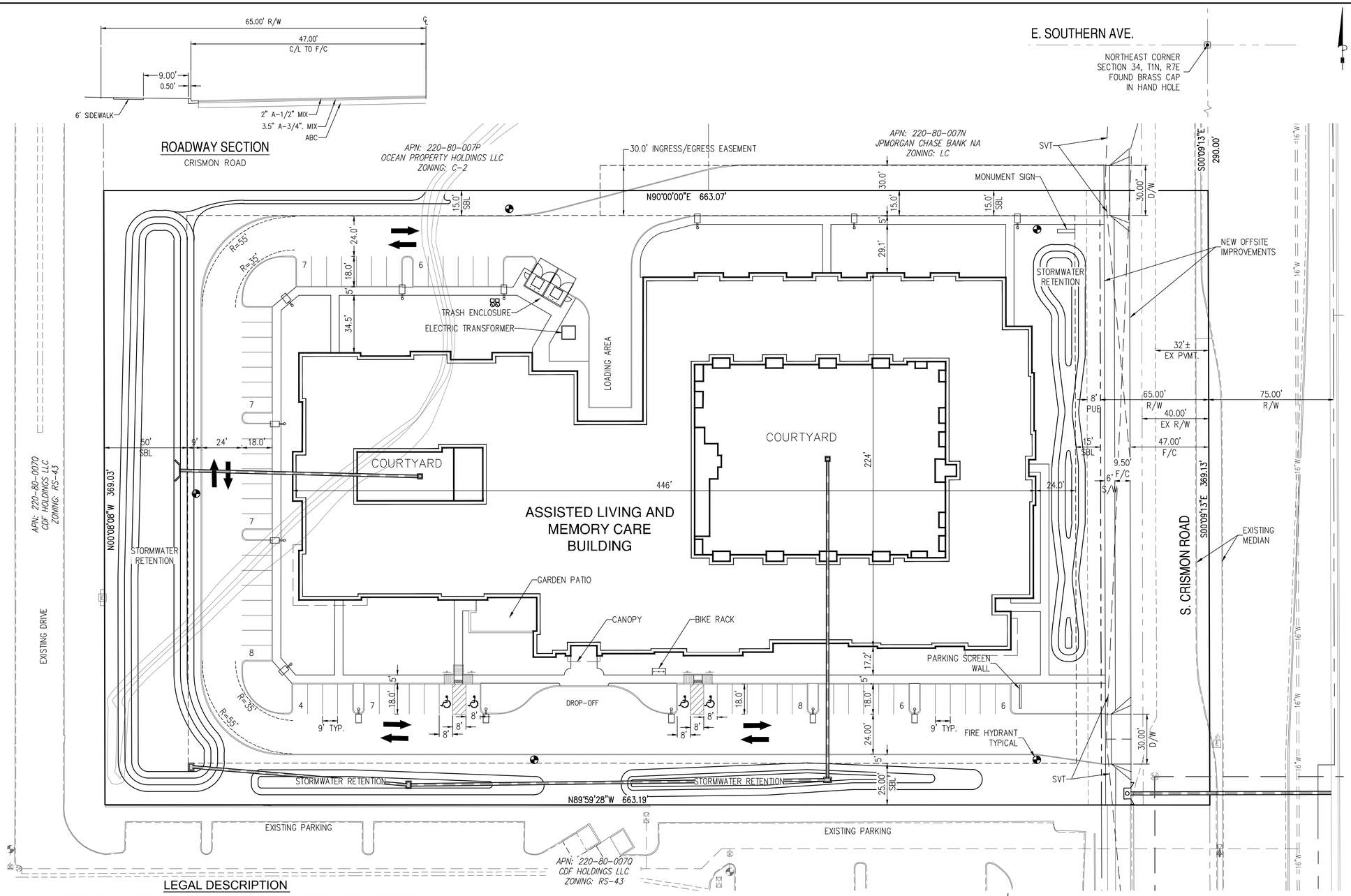
PLAN STATUS

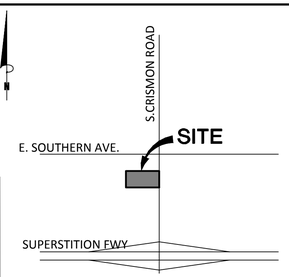
DATE	DESCRIPTION	
DESIGN	ARK DRAWN	JS CHKD
SCALE	H: V:	
JOB No. 050136		
DATE : 04/30/15		

1

SHEET 1 OF 1

CAD FILE NAME: P:\050136 – McFarlin Assisted Living-Mesa\050136-01-001 (ENG)\Engineering\Exhibits\050136-Context Plan.dwg 04/30/2015





VICINITY MAP

N.T.S.

PROJECT DATA

SITE AREA: 244,745 S.F./ 5.6186 ACRES (GROSS)
229,745 S.F./ 5.2796 ACRES (NET)

BUILDING AREA:
TOTAL:62,083 S.F. (ONE STORY)

PROJECT USE:
ASSISTED LIVING & MEMORY CARE FACILITY

CONSTRUCTION TYPE:
TYPE V-A

REQUIRED PARKING: 1 SPACE PER UNIT + 2 SPACES FOR A CONGREGATE CARE FACILITY (1x79)+2 = 81 SPACES

PARKING PROVIDED: STANDARD PARKING SPACES : 62
ADA ACCESSIBLE SPACES : 4
TOTAL SPACES PROVIDED : 66

EXISTING ZONING: C-2
PARCEL NUMBER: 220-80-007P

OWNER

OCEAN PROPERTY HOLDINGS, LLC
15430 AVERY ROAD
ROCKVILLE, MD 20855
PHONE: (301) 509-9431
CONTACT: JOE JACQUES

DEVELOPER

McFARLIN GROUP
6370 LBJ FREEWAY
SUITE 276
DALLAS, TX 75240
PHONE: (469) 619-5418
CONTACT: JOSH ROSEN

CIVIL ENGINEER

BOWMAN CONSULTING
1295 W. WASHINGTON STREET
SUITE 108
TEMPE, AZ 85281
PHONE:(480) 629-8830
ENGINEER: TROY PETERSON P.E. AZ REG NO 32334
CONTACT: GEORGE SWARSTAD

LEGAL DESCRIPTION

A PORTION OF THAT PARCEL DESCRIBED IN DOCUMENT NO. 2010-0072287, OFFICIAL RECORDS OF MARICOPA COUNTY, ARIZONA, LOCATED IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 34, TOWNSHIP 1 NORTH, RANGE 7 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION 34, BEING MARKED BY A BRASS CAP IN HAND HOLE, FROM WHICH POINT THE EAST QUARTER CORNER OF SAID SECTION 34, BEING MARKED BY AN ALUMINUM CAP FLUSH, BEARS SOUTH 00°09'13" EAST, A DISTANCE OF 2636.52 FEET;
THENCE SOUTH 00°09'13" EAST, ALONG THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 34, A DISTANCE OF 290.00 FEET TO THE POINT OF BEGINNING;
THENCE CONTINUING SOUTH 00°09'13" EAST, ALONG SAID EAST LINE, A DISTANCE OF 369.13 FEET TO THE SOUTHEAST CORNER OF SAID DOCUMENT NO. 2010-0072287;
THENCE NORTH 89°59'28" WEST, ALONG THE SOUTH LINE OF SAID DOCUMENT NO. 2010-0072287, A DISTANCE OF 663.19 FEET TO THE SOUTHWEST CORNER THEREOF;
THENCE NORTH 00°08'08" WEST, ALONG THE WEST LINE OF SAID DOCUMENT NO. 2010-0072287, A DISTANCE OF 369.03 FEET TO A POINT ON THE WESTERLY PROLONGATION OF THE SOUTH LINE OF THAT PARCEL DESCRIBED IN DOCUMENT NO. 2005-1495616, OFFICIAL RECORDS OF MARICOPA COUNTY, ARIZONA;
THENCE NORTH 90°00'00" EAST, ALONG SAID WESTERLY PROLONGATION, BEING PARALLEL WITH THE NORTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 34, A DISTANCE OF 663.07 FEET TO THE POINT OF BEGINNING.

LEGEND

R/W	RIGHT OF WAY
F/C	FACE OF CURB
S/W	SIDEWALK
PUE	PUBLIC UTILITY EASEMENT
SBL	SETBACK LINE
SVT	SIGHT VISIBILITY TRIANGLE
	FIRE HYDRANT
	SIGHT LIGHT – 20 POLE

30 15 0 30 60
GRAPHIC SCALE
1" = 30'

Bowman CONSULTING

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1295 W. Washington, Ste 108
Tempe, Arizona 85281
Phone: (480) 629-8830
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PRELIMINARY SITE PLAN
THE HERITAGE
MESA, ARIZONA
MARICOPA COUNTY

PROJECT NUMBER

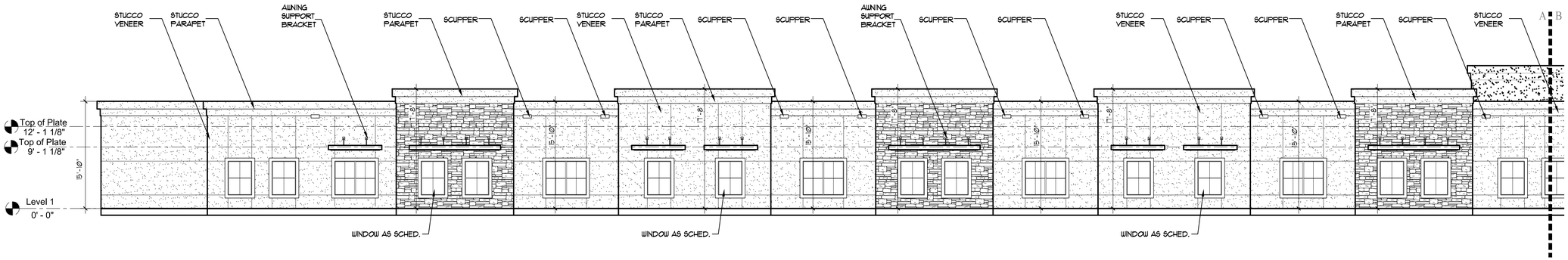
32334
D. TROY PETERSON
ARIZONA U.S.A.
Expires 3/31/2016

PLAN STATUS

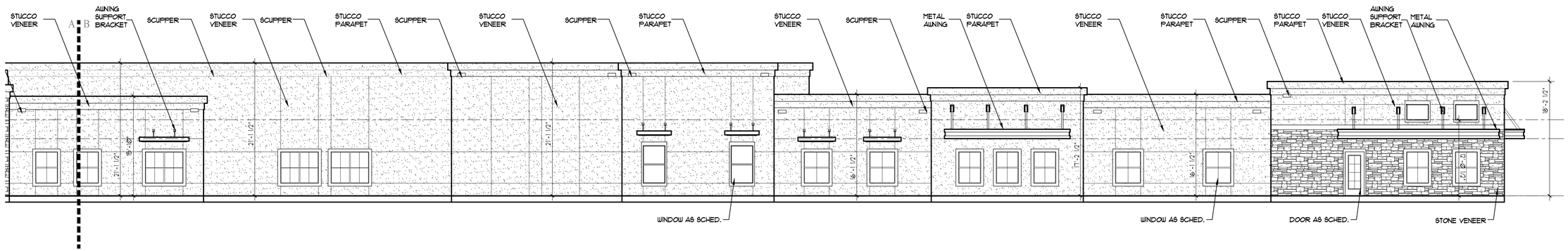
DATE	DESCRIPTION	
DESIGN	ARK DRAWN	CHKD
SCALE	H: 1"=30' V:	
JOB No. 050136		
DATE : 5/4/15		

SHEET 1 OF 1
SP1

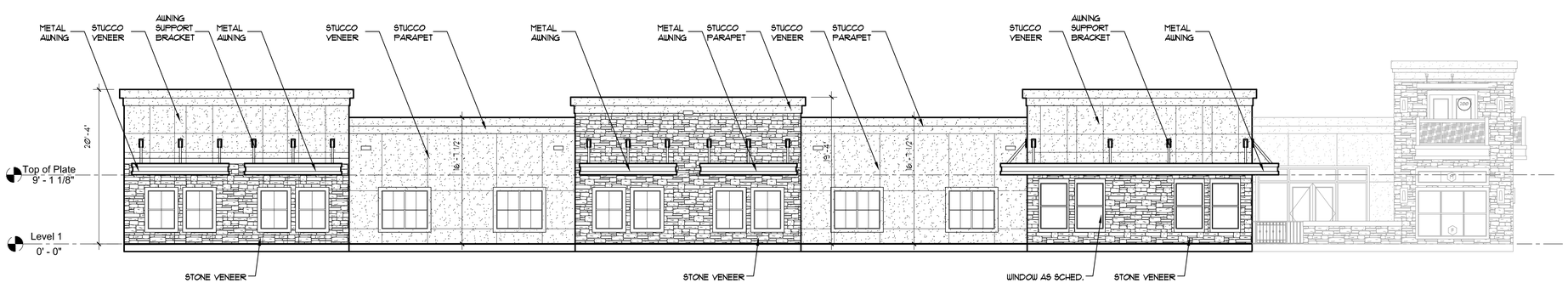
CAD FILE NAME: P:\050136 – McFarlin Assisted Living-Mesa\050136-01-001 (ENG)\Engineering\Engineering Plans\Preliminary Site Plan\050136-SP-001-SIT.dwg 05/01/2015



1 NORTH ELEVATION
SCALE 1/8" = 1'-0"

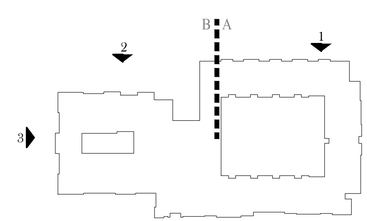


2 NORTH ELEVATION
SCALE 1/8" = 1'-0"



3 WEST ELEVATION
SCALE 1/8" = 1'-0"

NOTE: ALL COVERED PORCHES, RECESSED EXIT DOORS, AND ANY AREAS WHERE THE EXTERIOR ROOF EXTENDS 4'-0" OR MORE (OR WHERE THERE ARE SPRINKLERS OUTSIDE THE EXTERIOR LOAD BEARING WALL FOR ANY OTHER REASON) REQUIRE THE LISTED GYPSUM BOARD TO EXTEND TO THE LOAD BEARING POINT ON BOTH THE INTERIOR AND EXTERIOR SIDE OF THE WALL.



KEY PLAN
SCALE N.T.S

Heritage of Mesa

Mesa, Arizona

ARRIVE ARCHITECTURE GROUP
Architecture
Planning
Project Management
2344 Highway 121 · Suite 100 · Bedford, Texas 76021 · www.ArriveAG.com
Ph 817.514.0584 · Fx 817.514.0694

SEAL

EXTERIOR ELEVATIONS

REVISION

DRAWN BY: MF/JM	CHECKED BY: CA
SUBMITTAL DATE:	PROJECT NUMBER
ISSUED FOR: REVIEW	SHEET NO.
SCALE: AS NOTED	A5.01

---- A5.01 EXTERIOR ELEVATIONS
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- THE HERITAGE -
ASSISTED LIVING & MEMORY CARE

MATERIAL BOARD

FIELD COLOR
FOXY: SW 6333

LIGHT TRIM
EXTRA WHITE: SW 7006

DARK TRIM
JAVA: SW 6090

ACCENT COLOR
SIMPLIFY BEIGE: SW 6085

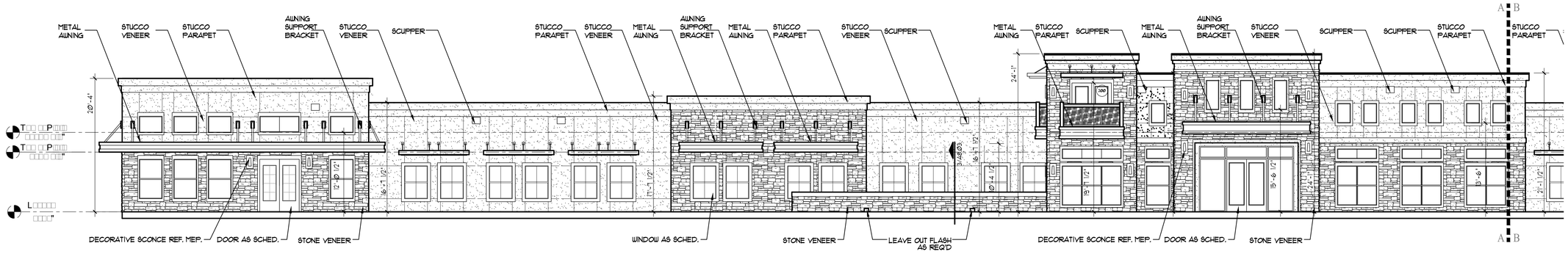
STONE VENEER
CENTURION: CANYON LEDGE

METAL ROOFING

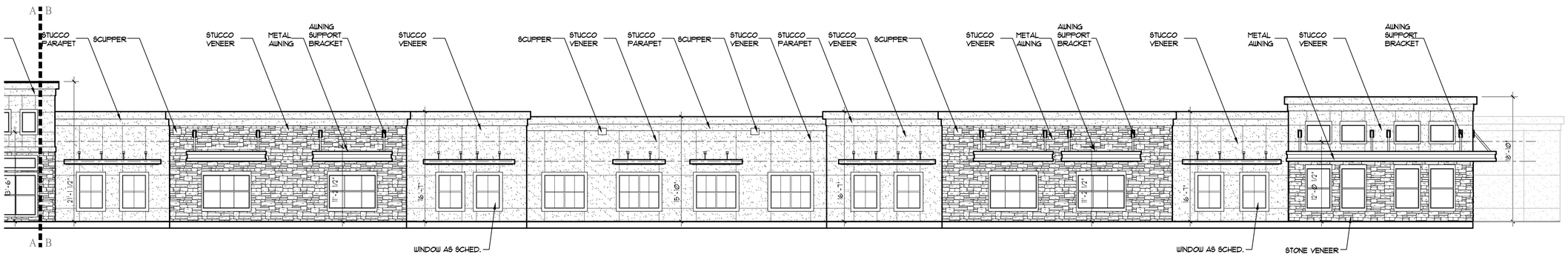
FINAL SELECTIONS PER OWNER APPROVAL

ARRIVE ARCHITECTURE GROUP

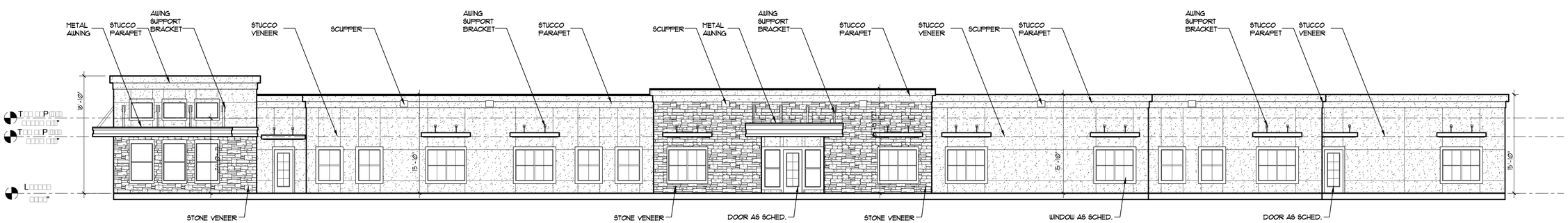
McFARLIN GROUP
SERVING THE SENIOR LIVING INDUSTRY



1 SOUTH ELEVATION
SCALE 1/8" = 1'-0"

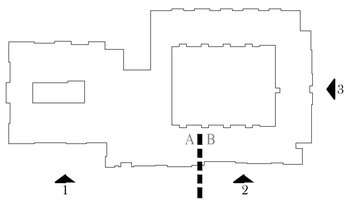


2 SOUTH ELEVATION
SCALE 1/8" = 1'-0"



3 EAST ELEVATION
SCALE 1/8" = 1'-0"

NOTE: ALL COVERED PORCHES, RECESSED EXIT DOORS, AND ANY AREAS WHERE THE EXTERIOR ROOF EXTENDS 4'-0" OR MORE (OR WHERE THERE ARE SPRINKLERS OUTSIDE THE EXTERIOR LOAD BEARING WALL FOR ANY OTHER REASON) REQUIRE THE LISTED GYPSUM BOARD TO EXTEND TO THE LOAD BEARING POINT ON BOTH THE INTERIOR AND EXTERIOR SIDE OF THE WALL.



KEY PLAN
SCALE N.T.S

Heritage of Mesa

Mesa, Arizona

ARRIVE ARCHITECTURE GROUP
Architecture
Planning
Project Management
2344 Highway 121 - Suite 100 - Bedford, Texas 76021 - www.ArriveAG.com
Ph 817.514.0584 - Fx 817.514.0694

SEAL

EXTERIOR ELEVATIONS

REVISION

DRAWN BY: MF/JM	CHECKED BY: CA
SUBMITTAL DATE:	PROJECT NUMBER
ISSUED FOR: REVIEW	SHEET NO. A5.02
SCALE: AS NOTED	

---- A5.02 EXTERIOR ELEVATIONS
X:\McFarlin Group\Gilbert Arizona\Drawings\Heritage at Gilbert_AZ\Sheets\A5.00 Exterior Elevations\A5.02 Exterior Elevations.dwg

PARKING POLE LIGHT (S1)

McGRAW-EDISON®

energy solutions

DESCRIPTION

The Talon luminaire is the most versatile, functionally designed, universally adaptable outdoor luminaire available. Incorporating modular LED LightBAR™ technology, the Talon luminaire brings outstanding uniformity and energy-conscious illumination to walkways, parking lots, roadways, building areas and any security lighting application. UL/ cUL listed for wet locations.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

One-piece heavy-wall, die-cast aluminum construction with integral reveal channels along top surface of housing. Optimized for reliable operation from 40°C down to -40°C, internal cast-in wall separates optical and electrical chambers allowing components to operate cooler. Stainless steel latches and hinges allow for tool-less opening and removal of door frame.

Optics

Choice of twelve patented, high-efficiency AccuLED Optics™ manufactured from injection-molded acrylic. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Optics feature quick disconnect wiring plugs and are field-rotatable in 90° increments allowing manipulation of distribution independent of fixture position. Offered standard in 4000K (+/- 275K) CCT and nominal 70 CRI.

Electrical

Offered standard with LED drivers and related electrical componentry hard mounted to die-cast housing details for optimal heat transfer and operating efficiency. The Talon luminaire operates from 120-277V 50/60Hz, 347V 60Hz, 480V 60Hz. Optional galvanized steel swing-down power tray with integral handle allow tray to be removed from housing providing ample hand and tool room for attachment of fixture during installation. Offered standard with proprietary circuit module designed to withstand 10kV transient line surge. 90% lumen maintenance expected at 60,000 hours. Per IESNA TM.21. LightBARs™ feature an IP66 enclosure rating.

Mounting

Extruded 8" aluminum arm includes internal bolt guides allowing for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter for contractor-friendly arrival of product on site. Optional mounting methods include a wall mount plate, an external mast arm that accepts 2-3/8" O.D. horizontal tenons and direct mounting to pole or wall surfaces. Tenon adapters available to slipfit over poles equipped with 2-3/8" or 3-1/2" O.D. tenon. 3G vibration rated.

Finish

Housing and arm finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty

Five-year warranty.

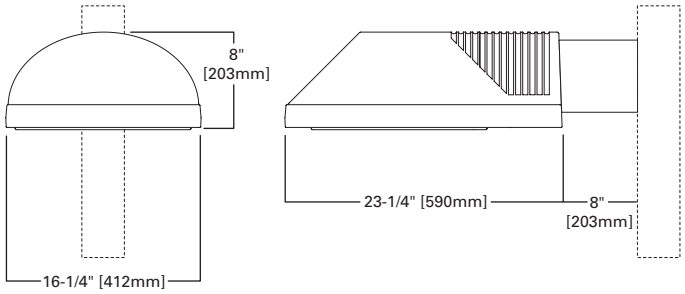
TLM
TALON MEDIUM LED

2 - 6 LightBARs

Solid State LED

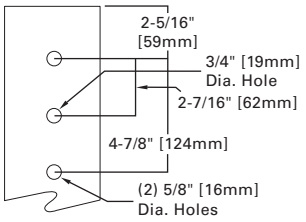
ARCHITECTURAL AREA LUMINAIRE

DIMENSIONS

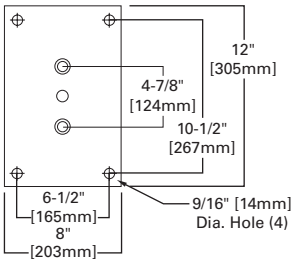


ARM DRILLING

TYPE "M"



WALL MOUNT



CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightBARs
3G Vibration Rated
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.)
1.89 with 8" Arm

SHIPPING DATA

Approximate Net Weight:
42 lbs. (25.91 kgs.)

Cooper Lighting by EATON

*www.designlights.org

ADH092070
2014-08-19 13:27:33

POWER AND LUMENS BY BAR COUNT

Number of LightBARs	Power (Watts)	Current @ 120V (A)	Current @ 277V (A)	Distribution										
				T2	T3	T4	SL2	SL3	SL4	5MQ	5WQ	5XQ	RW	SLR/SLL
	7 LED LIGHTBAR													
C01	27	0.23	0.13	1,819	1,798	1,811	1,805	1,746	1,734	1,923	1,930	1,868	1,834	1,660
C02	54	0.46	0.21	3,509	3,469	3,495	3,484	3,368	3,347	3,711	3,724	3,605	3,540	3,203
C03	77	0.65	0.29	5,291	5,230	5,269	5,252	5,078	5,046	5,594	5,614	5,436	5,337	4,829
C04	101	0.86	0.37	6,983	6,902	6,954	6,932	6,703	6,660	7,383	7,410	7,174	7,043	6,373
C05	131	1.11	0.50	8,362	8,265	8,327	8,300	8,026	7,975	8,841	8,872	8,590	8,434	7,631
C06	154	1.30	0.58	10,119	10,002	10,077	10,045	9,712	9,651	10,699	10,737	10,396	10,206	9,235
	21 LED LIGHTBAR													
B01	27	0.23	0.13	2,237	2,211	2,228	2,220	2,147	2,133	2,365	2,374	2,298	2,256	2,041
B02	51	0.43	0.20	4,317	4,267	4,299	4,285	4,143	4,117	4,564	4,580	4,435	4,354	3,940
B03	73	0.62	0.28	6,508	6,433	6,481	6,460	6,246	6,207	6,881	6,906	6,686	6,564	5,939
B04	95	0.81	0.35	8,589	8,490	8,554	8,526	8,244	8,192	9,081	9,114	8,824	8,663	7,839
B05	124	1.05	0.48	10,285	10,166	10,242	10,209	9,871	9,809	10,874	10,913	10,566	10,373	9,386
B06	146	1.24	0.56	12,446	12,302	12,395	12,355	11,946	11,871	13,159	13,207	12,786	12,554	11,359

LUMEN MULTIPLIER

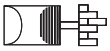
Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C	> 90%	> 170,000

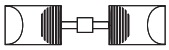
MOUNTING CONFIGURATIONS

Wall Mount

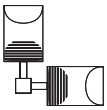


Arm Mount Single
EPA 1.89

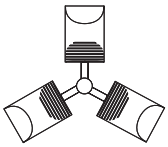
Arm Mount 2 @ 180°
EPA 3.55



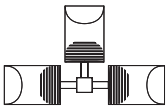
Arm Mount 2 @ 90°
EPA 3.43



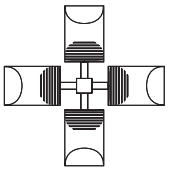
Arm Mount 3 @ 120°
(Round Pole Only)
EPA 3.69



Arm Mount 3 @ 90°
EPA 3.92



Arm Mount 4 @ 90°
EPA 4.17



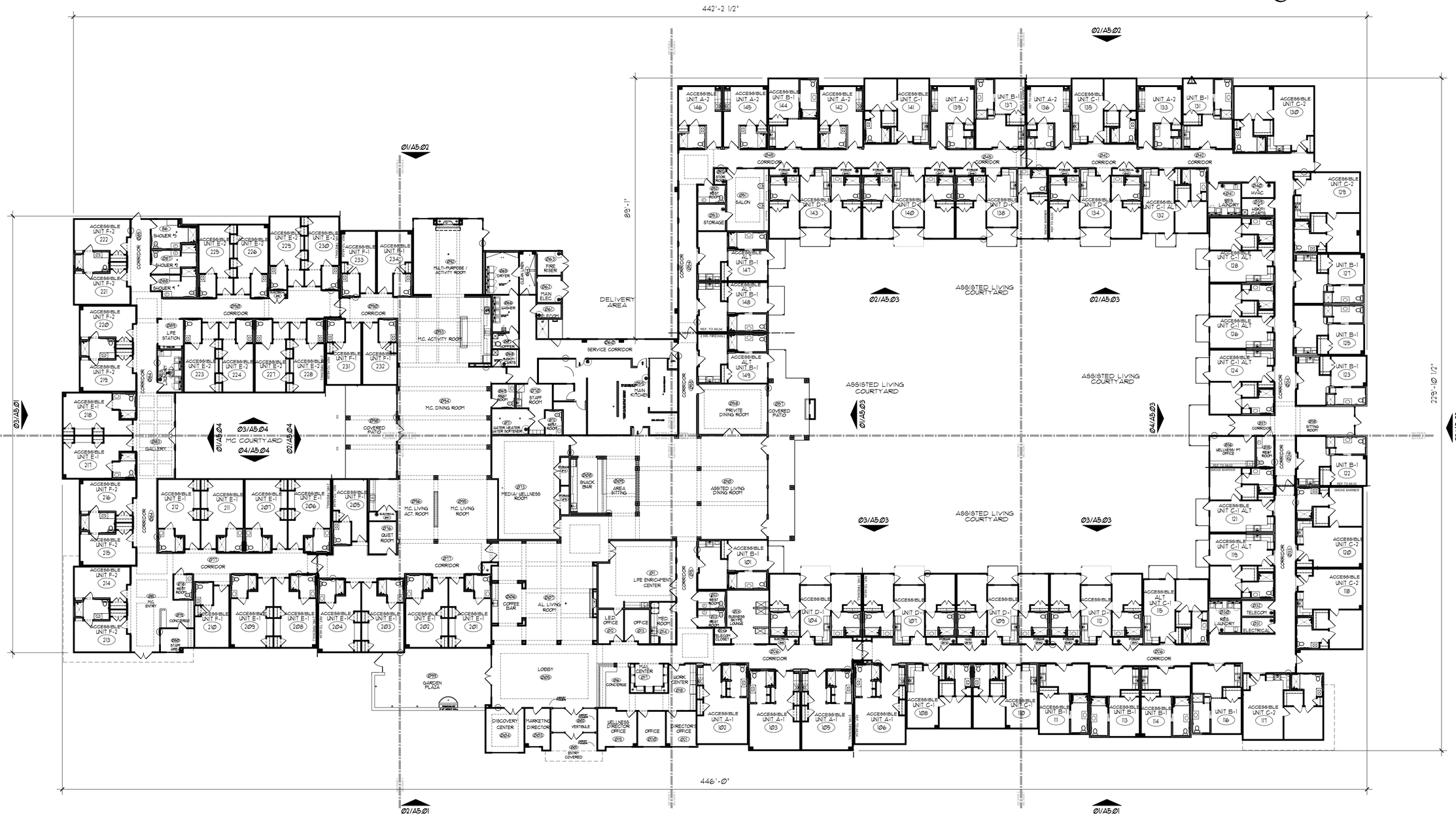
ORDERING INFORMATION

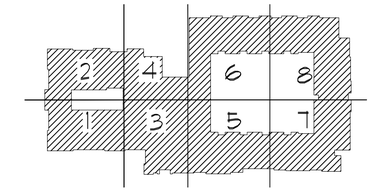
Sample Number: TLM-B03-LED-E1-T3-BK

Product Family [1, 2]	Number of LightBARs [3, 4]	Lamp Typ	Voltage	Distribution	Color [6]
TLM=Talon Medium	**B01**=(1) 21 LED LightBAR **B02**=(2) 21 LED LightBARs **B03**=(3) 21 LED LightBARs **B04**=(4) 21 LED LightBARs **B05**=(5) 21 LED LightBARs **B06**=(6) 21 LED LightBARs **C01**=(1) 7 LED LightBAR **C02**=(2) 7 LED LightBARs **C03**=(3) 7 LED LightBARs **C04**=(4) 7 LED LightBARs **C05**=(5) 7 LED LightBARs **C06**=(6) 7 LED LightBARs	**LED**=Solid State Light Emitting Diodes	**E1**=Electronic (120-277V) **347**=347V **480**=480V [5]	**T2**=Type II **T3**=Type III **T4**=Type IV **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **5XQ**=Type V Square Extra Wide **RW**=Rectangular Wide **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)	**Accessories** (Order Separately) [11]
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) **R**=NEMA Twistlock Photocontrol Receptacle **PT**=Electrical Power Tray **2L**=Two Circuits [7] **7060**=70 CRI / 6000K CCT [8] **8030**=80 CRI / 3000K CCT [8] **LCF**=LightBAR Cover Plate Matches Housing Finish **WM**=Wall Mount with Arm **DM**=Direct Mount for Round or Square Pole **DW**=Direct Wall Mount **MS**=External Mast Arm Adapter **ICP**=Integral Cold Weather Battery Pack (Specify 120V or 277V) [6, 9] **DIM**=0-10V Dimming Drivers [10]	**MA1010-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1011-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1012-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1013-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1014-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1015-XX**=2@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1016-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1017-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1018-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1019-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1045-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1048-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1049-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **OA/RA1016**=NEMA Twistlock Photocontrol - Multi-Tap **OA/RA1027**=NEMA Twistlock Photocontrol - 480V **OA/RA1201**=NEMA Twistlock Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **MA1253**=10kV Circuit Module Replacement

Notes:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. 8" arm and round pole adapter included with fixture.
3. Standard 4000K CCT and nominal 70CRI.
4. 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
5. Not to be used with un-grounded systems.
6. Custom and RAL color matching available upon request. Consult Eaton's Cooper Lighting business representative for more information.
7. Low-Level output varies by bar count specified. Consult Factory.
8. Consult Factory for lead times and lumen multiplier.
9. Available with B01 - B04 or C01 - C04 configurations only. Rated for 25°C ambient.
10. Rated for 25°C ambient.
11. Replace XX with color suffix.





KEY PLAN
SCALE N.T.S

1 OVERALL FLOOR PLAN
SCALE 1/16" = 1'-0"

5' 30' 75'
15' 50'

Heritage of Mesa

Mesa, Arizona

Architecture
Planning
Project Management

ARRIVE ARCHITECTURE GROUP
2344 Highway 121 - Suite 100 - Bedford, Texas 76021 - www.ArriveAG.com
Ph 817.514.0584 - Fx 817.514.0694

SEAL

FIRST FLOOR OVERALL

REVISION

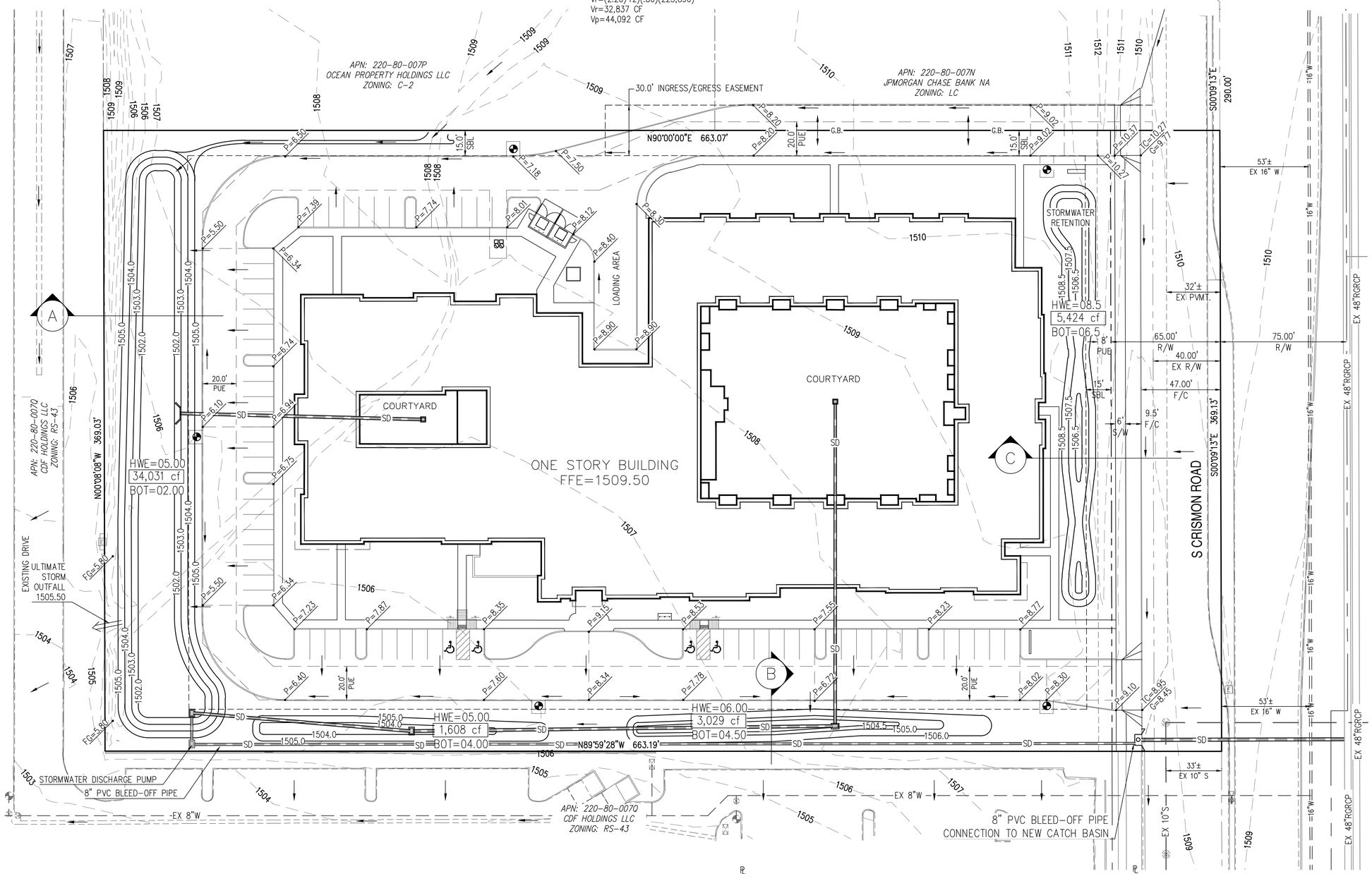
DRAWN BY: MF/JM	CHECKED BY: CA
SUBMITTAL DATE:	PROJECT NUMBER
ISSUED FOR: REVIEW	SHEET NO. A1.10
SCALE: AS NOTED	

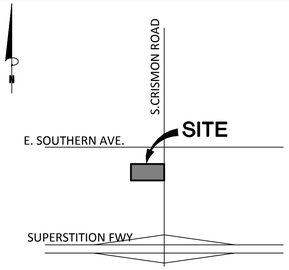
---- A1.10 FIRST FLOOR OVERALL (ALTERNATE)
X:\McFarlin Group\Gilbert Arizona\Drawings\Heritage at Gilbert, AZ\Sheets\A1.00 Building Plan Sheets\A1.10 First Floor Overall.dwg

RETENTION CALCULATIONS

VOLUME REQUIRED (Vr) = D/12 C A
Vr =REQUIRED VOLUME
D=2.20 inches (100-YEAR, 2-HOUR RAINFALL)
C=0.80 (WEIGHTED C)
A=AREA (SQUARE FEET)

Vr=(2.20/12)(.80)(223,890)
Vr=32,837 CF
Vp=44,092 CF





VICINITY MAP
N.T.S.

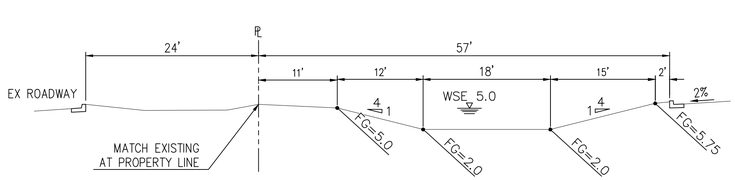
LEGEND

	DIRECTION OF DRAINAGE
SD	STORM DRAIN
	FIRE HYDRANT
1510	EXISTING CONTOUR ELEVATION
18.0	FINISH CONTOUR ELEVATION
P=	FINISH PAVEMENT ELEVATION
TC=	FINISH TOP OF CURB ELEVATION
G=	FINISH GUTTER ELEVATION
FG=	FINISH GRADE
FL=	FLOW LINE ELEVATION
INV=	PIPE INVERT
HWE=	HIGHWATER ELEVATION
BOT=	BOTTOM OF BASIN
100 CF	RETENTION VOLUME PROVIDED
FFE=	FINISH FLOOR ELEVATION

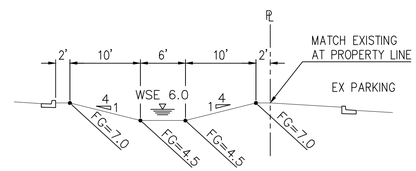
OWNER
OCEAN PROPERTY HOLDINGS, LLC
DODGE PLAZA, FIRST FLOOR
13321 CALIFORNIA STREET
OMAHA, NE 68154
CONTACT: RON CARSON

DEVELOPER
McFARLIN GROUP
6370 LBJ FREEWAY
SUITE 276
DALLAS, TX 75240
PHONE: (469) 619-5418
CONTACT: JOSH ROSEN

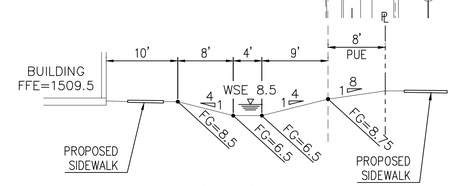
CIVIL ENGINEER
BOWMAN CONSULTING
1295 W. WASHINGTON STREET
SUITE 108
TEMPE, AZ 85281
PHONE:(480) 629-8830
ENGINEER: TROY PETERSON P.E. AZ REG NO 32334
CONTACT: GEORGE SWARSTAD



SECTION A
H:1"=10'



SECTION B
H:1"=10'



SECTION C
H:1"=10'

N

30 15 0 30 60
GRAPHIC SCALE
1" = 30'

Bowman CONSULTING

Bowman Consulting Group, Ltd.
1295 W. Washington, Ste 108
Tempe, Arizona 85281
Phone: (480) 629-8830
www.bowmanconsulting.com

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PRELIMINARY GRADING PLAN
THE HERITAGE OF MESA
MESA, ARIZONA
MARICOPA COUNTY

PROJECT NUMBER

PLAN STATUS

DATE	DESCRIPTION

DESIGN	ARK DRAWN	GS CHKD
SCALE	H: 1"=30' V:	
JOB No. 050136		
DATE : 05/04/15		

GD1
SHEET 1 OF 1

CAD FILE NAME: P:\050136 - McFarlin Assisted Living-Mesa\050136-01-001 (ENG)\Engineering\Engineering Plans\Preliminary Site Plan\050136-SP-002-GRD.dwg 05/04/2015

1 SOUTHELEVATION
SCALE 1/16" = 1'-0"

2 EAST ELEVATION
SCALE 1/16" = 1'-0"

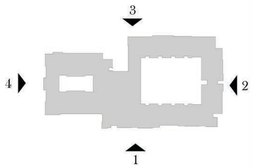
3 NORTH ELEVATION
SCALE 1/16" = 1'-0"

4 WEST ELEVATION
SCALE 1/16" = 1'-0"

EXTERIOR MATERIAL

- **FIELD COLOR** FOXY: SW 6333
- **LIGHT TRIM** EXTRA WHITE: SW 7006
- **DARK TRIM** JAVA: SW 6090
- **ACCENT COLOR** SIMPLIFY BEIGE: SW 6085
- **STONE VENEER** CENTURION: CANYON LEDGE

0' 5' 15' 30' 50' 75'



KEY PLAN

Heritage of Mesa

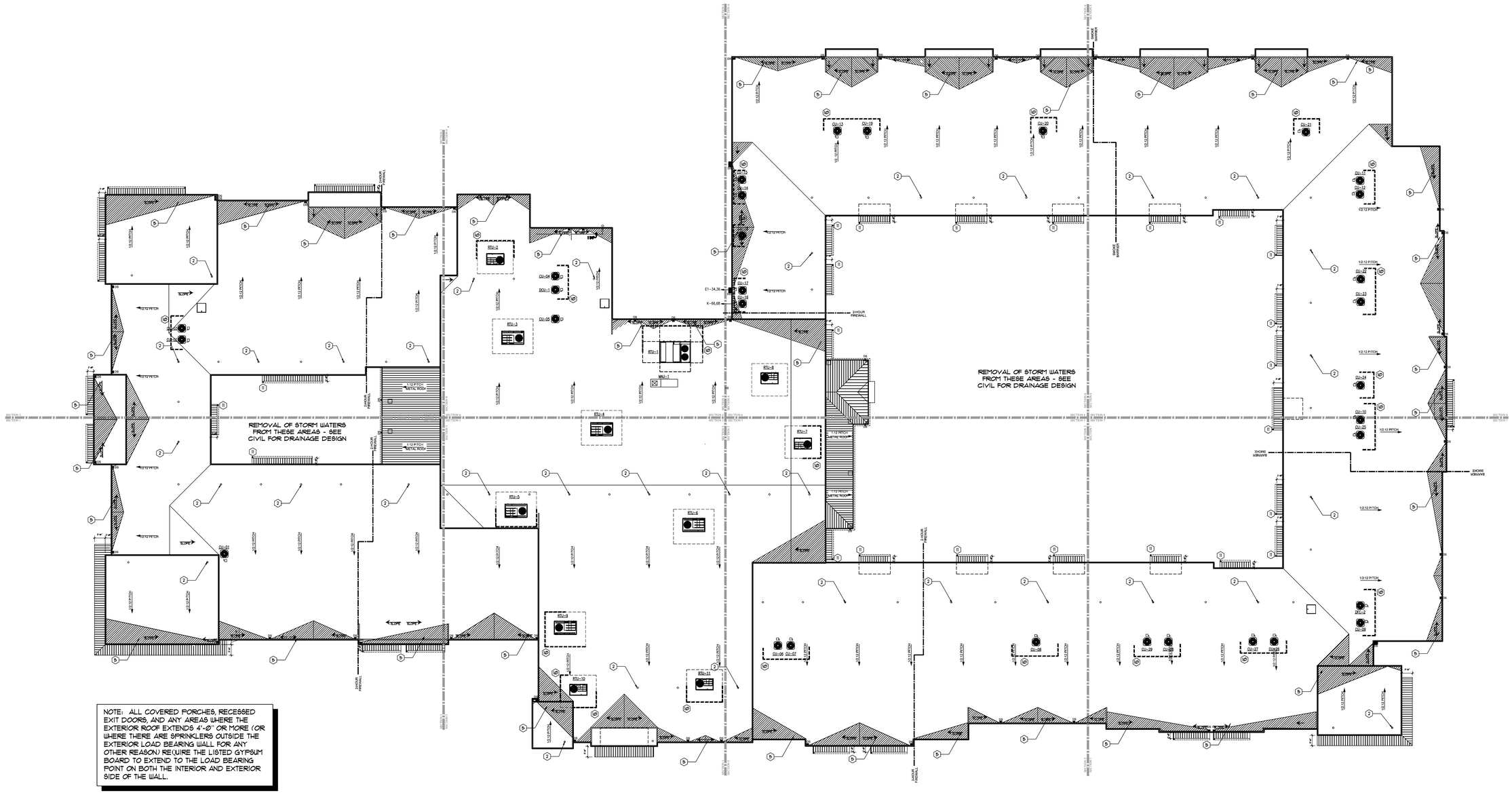
Mesa, Arizona

ARRIVE ARCHITECTURE GROUP
Architecture
Planning
Project Management
2344 Highway 121 · Suite 100 · Bedford, Texas 76021 · www.ArriveAG.com
Ph 817.514.0584 · Fx 817.514.0694

SEAL

REVISION

DRAWN BY: MF/JM	CHECKED BY: CA
SUBMITTAL DATE: 04-03-15	PROJECT NUMBER:
ISSUED FOR: REVIEW	SHEET NO:
SCALE: AS NOTED	



NOTE: ALL COVERED PORCHES, RECESSED EXIT DOORS, AND ANY AREAS WHERE THE EXTERIOR ROOF EXTENDS 4'-0" OR MORE (OR WHERE THERE ARE SPRINKLERS OUTSIDE THE EXTERIOR LOAD BEARING WALL FOR ANY OTHER REASON) REQUIRE THE LISTED GYPSUM BOARD TO EXTEND TO THE LOAD BEARING POINT ON BOTH THE INTERIOR AND EXTERIOR SIDE OF THE WALL.

1 ROOF PLAN

SCALE 1/16" = 1'-0"

ROOF PLAN GENERAL NOTES

1. DETAILS ON THIS SHEET ARE TYPICAL UNLESS NOTED OTHERWISE.
2. REFER TO SECTION AND DETAIL SHEETS FOR ADDITIONAL INFORMATION.
3. REFER TO SHEET A 9.06 FOR FLASHING & WATERPROOFING NOTES, DIMENSIONS AND TYPICAL DETAILS.
4. SOME TOLERANCES BETWEEN MATERIALS ARE SHOWN ENLARGED FOR CLARITY.
5. ALL 2 X FASCIA AND TRIM BOARDS SHALL BE PRIMED ON ALL 4 SIDES AND ENDS PRIOR TO INSTALLATION.
6. ALL HARDI-SOFFIT PANELS AND HARDI-PANELS SHALL BE BUTT JOINTED AT 2 X FRAMING MEMBERS (EACH END) AND SOLIDLY NAILED. ALL JOINTS SHALL BE FILLED W/ SEALANT, TYPICAL FOR ALL EAVE AND RAKE SOFFITS.
7. ALL SELANT AND FLASHING CONDITIONS SHOWN ARE INTENDED TO BE CONTINUOUS, WEATHER TIGHT AND BUG PROOF.
8. THERE ARE NO DRAFTSTOPS REQUIRED IN BUILDINGS EQUIPPED WITH FIRE SPRINKLER SYSTEM PER SECTION 717.3.2, 2009 IBC.
9. CONTRACTOR SHALL ENSURE ALL COMPONENTS OF THE ROOF SYSTEM (MEMBRANE, FLASHING, SEALANTS, VENTS, INSULATION) COMPLY WITH / CAN BE WARRANTED BY THE MANUFACTURER.
10. CONTRACTOR SHALL LOCATE WORK PLATFORMS, WALK PADS, ACCESS POINTS, AND GUARD-RAILS AS REQUIRED BY THE CODE, OR AS NOTED ON THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS.

LEGEND

INDICTAES ROOF SLOPE : SLOPE 1/2:12

INDICTAES DETAIL TAG : XX/XXXX

INDICTAES ROOF-TOP CONDENSER

1. CONTINUOUS ALUMINUM GUTTER (SEE DETAILS THIS SHEET)
2. M-WELD ONE WAY M-VENT BY GAF
3. ROOF VENTS #865 BY LOMANCO
4. PARAPET WALL, REF. DETAIL
5. BUILT -UP CRICKET SLOPE TO DOWN SPOUT
6. SERVICE WALL REF. 07/A4.02
7. STANDING SEAM METAL ROOF
8. SMOKE BARIER / 2HR FIRE WALL
9. ROOF ACCESS
10. METAL ROOF-TOP SCREEN AS PER CITY CODE
11. RAIN CHAIN AS PER 9/A4.01

DS CONDUCTOR HEAD WITH DOWN-SPOUT

Heritage of Mesa

Mesa, Arizona

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Ph 817.514.0584 - Fx 817.514.0694

SEAL

OVERALL ROOF PLAN

REVISION

DRAWN BY: MF/JM	CHECKED BY: CA
SUBMITTAL DATE:	PROJECT NUMBER
ISSUED FOR: REVIEW	SHEET NO.
SCALE: AS NOTED	A4.10

---- A4.10 OVERALL ROOF PLAN
X:\McFarlin Group\Gilbert Arizona\Drawings\Heritage at Gilbert, AZ\Sheets\A4.00 Roof Plans\A4.10 Overall Roof Plan.dwg

INVUE® energy solutions

DESCRIPTION

The geometric form of MESA LED luminaire allows it to adapt to either contemporary or traditional architectural settings. Available in single or twin pole mount configurations with optional wall mounting capability, the MESA LED luminaire's mounting options allow for harmonized site design whether at the entryway or in the parking lot. UL/cUL listed for use in wet locations.

PEDESTRIAN POLE LIGHT (S2)

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

HOUSING: Die-cast aluminum main housing and spider mount base maintain a minimum 0.125 wall thickness. Integral aluminum heat sink provides superior thermal heat transfer in +40°C ambient environments. DOOR ASSEMBLY: Top mounted, heavy wall, die-cast aluminum door maintains a nominal 0.125 thickness. Door includes a self-retaining interior hinge. GASKET: Continuous silicone gasket provided to seal housing door assembly and optic tray. LENS: Downlight lens is LED board integrated acrylic over-optics, each individually sealed for IP66 rating. HARDWARE: Four iinset fasteners on underside of housing provide access to luminaire interior. Concealed, stainless steel four bar hinge lock allows door to lock in the open position.

Optics

DISTRIBUTION: Choice of twelve patented, high-efficiency AccuLED Optics™, featuring designs that maximize light collection and directional distribution onto the application region. Each optical lens is precision manufactured via injection-molding then precisely arranged and sealed on the board media. LEDs: High output LEDs, 60,000+ hours life at >90% lumen maintenance, offered standard in 4000°K (+/- 275K) CCT and nominal 70 CRI. Mesa LightBAR optic tray is removable and able to rotate 360° in 90° increments for specific placement of the distribution relative to fixture.

Electrical

DRIVER: LED drivers are potted and heat sunk for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120-277V/50-60Hz), greater than 0.9 power factor, less than 20% harmonic distortion and feature ambient temperature range of +40°C (104°F) down to minimum starting temperature of -30°C (-22°F). Shipped standard with Cooper Lighting proprietary circuit module designed to withstand 10kV of transient line surge. All LED LightBARs™ and drivers are mounted to dedicated mounting trays and are easily replaced by use of quick disconnects for ease of wiring. Driver tray is removable without the use of tools. Options to control light levels, energy savings and egress capabilities (battery pack and separate circuit) are available.

Mounting

Fitter assembly mounts over 3" O.D. tenon and is secured via three concealed stainless steel set screws. Design of fitter provides seamless transition to 4" round poles. Additional mounting accessories include a dual fixture post top mounting arm and wall mount arm.

Finish

Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult Outdoor Architectural Colors brochure for a complete selection.

Warranty

Five-year warranty.

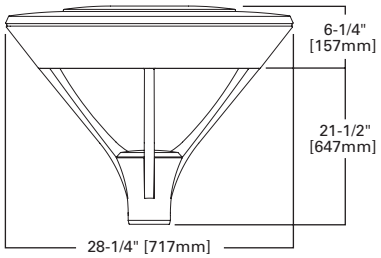
MSA MESA LED

1-6 LightBARs

Solid State LED

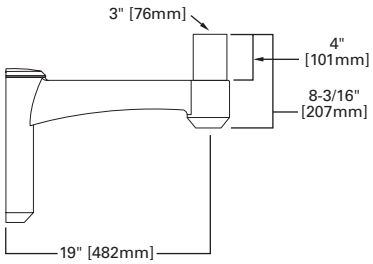
DECORATIVE LUMINAIRE

DIMENSIONS

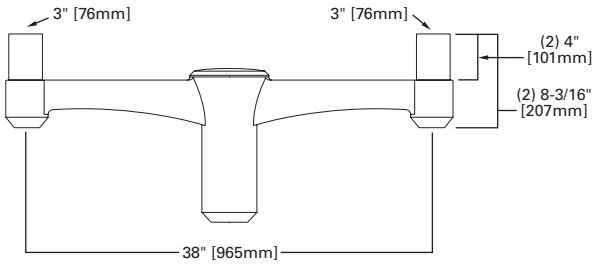


MOUNTING ACCESSORIES

WALL MOUNT ARM



DUAL MOUNT ARM (EPA 1.36)



CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARs
LM79 / LM80 Compliant
2G Vibration Tested
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz, 480V/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

Effected Projected Area
1.1 Sq. Ft.

SHIPPING DATA

Approximate Net Weight:
50 lbs. (22.7 kgs.)

*www.designlights.org

Cooper Lighting by EATON

AVU092072
2015-01-08 13:22:43

POWER AND LUMENS BY BAR COUNT

Number of LightBARs	Power (Watts)	Current @ 120V (A)	Current @ 277V (A)	Distribution										
				T2	T3	T4	SL2	SL3	SL4	5MQ	5WQ	5XQ	RW	SLR/SLL
	7 LED LIGHTBAR													
C01	27	0.23	0.13	1,708	1,709	1,668	1,718	1,668	1,675	1,845	1,770	1,791	1,701	1,609
C02	54	0.46	0.21	3,291	3,294	3,215	3,311	3,214	3,228	3,556	3,412	3,451	3,277	3,102
C03	77	0.65	0.29	4,751	4,755	4,641	4,779	4,640	4,660	5,133	4,925	4,982	4,731	4,478
C04	101	0.86	0.37	6,270	6,276	6,125	6,308	6,124	6,151	6,775	6,500	6,575	6,244	5,910
C05	131	1.11	0.50	7,508	7,515	7,334	7,553	7,333	7,365	8,112	7,783	7,873	7,477	7,076
C06	154	1.30	0.58	9,086	9,094	8,875	9,140	8,874	8,913	9,817	9,419	9,528	9,048	8,563
	21 LED LIGHTBAR													
B01	27	0.23	0.13	2,101	2,102	2,052	2,113	2,052	2,061	2,269	2,177	2,203	2,092	1,980
B02	51	0.43	0.20	4,048	4,052	3,954	4,072	3,954	3,971	4,374	4,196	4,245	4,031	3,815
B03	73	0.62	0.28	5,844	5,849	5,708	5,879	5,707	5,732	6,314	6,058	6,128	5,820	5,507
B04	95	0.81	0.35	7,712	7,720	7,534	7,759	7,533	7,566	8,333	7,995	8,087	7,681	7,269
B05	124	1.05	0.48	9,235	9,243	9,021	9,290	9,020	9,059	9,978	9,573	9,684	9,197	8,703
B06	146	1.24	0.56	11,176	11,186	10,917	11,243	10,915	10,963	12,075	11,585	11,719	11,130	10,533

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000
50°C	> 90%	> 170,000

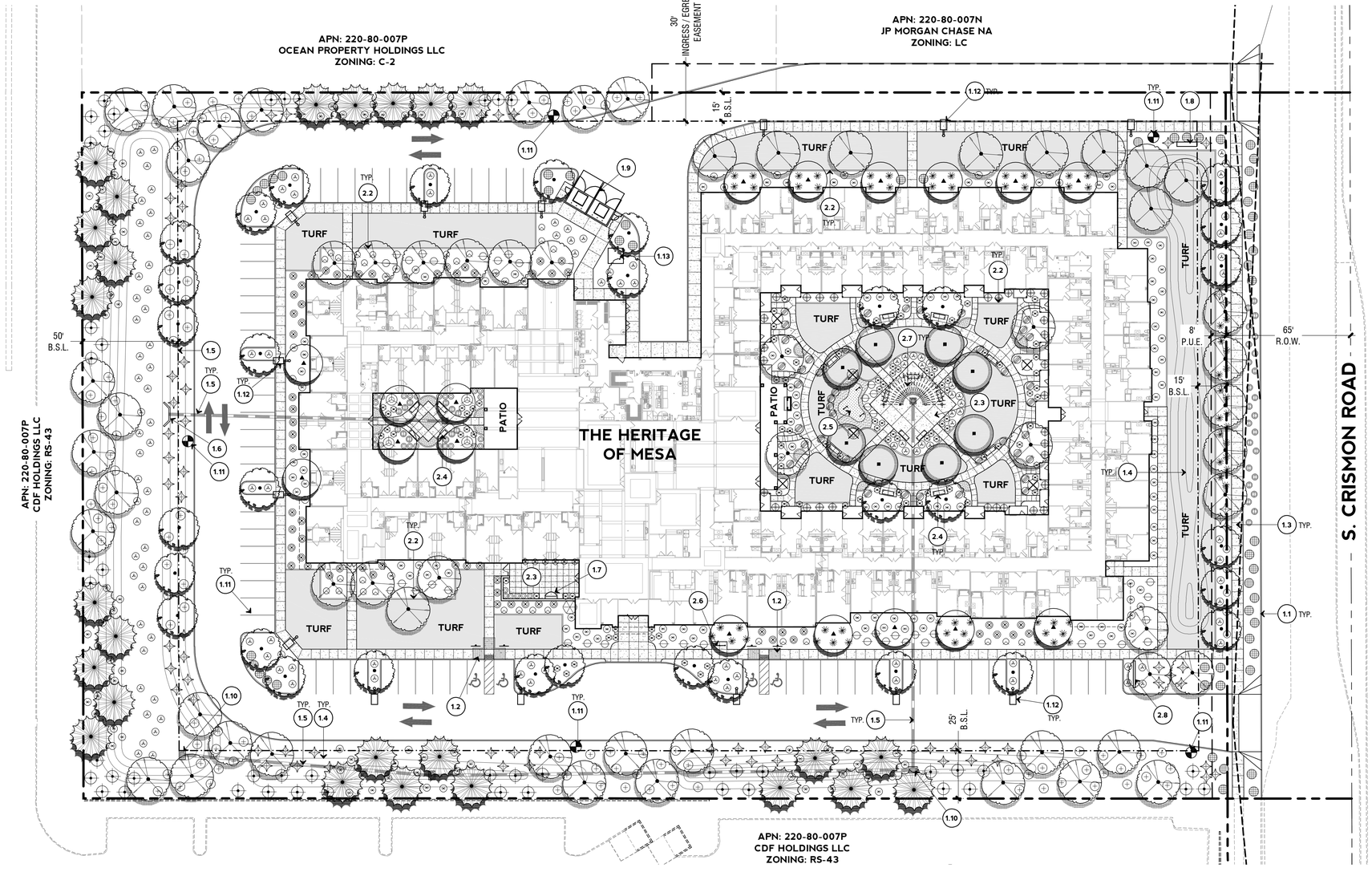
ORDERING INFORMATION

Sample Number: MSA-A06-LED-E1-T3-GM

Product Family [1]	Number of LightBARs [2, 3]	Lamp Type	Voltage	Distribution	Color [4]
MSA=Mesa	**B01**=(1) 21 LED LightBAR **B02**=(2) 21 LED LightBARs **B03**=(3) 21 LED LightBARs **B04**=(4) 21 LED LightBARs **B05**=(5) 21 LED LightBARs **B06**=(6) 21 LED LightBARs **C01**=(1) 7 LED LightBAR **C02**=(2) 7 LED LightBARs **C03**=(3) 7 LED LightBARs **C04**=(4) 7 LED LightBARs **C05**=(5) 7 LED LightBARs **C06**=(6) 7 LED LightBARs	**LED**=Solid State Light Emitting Diodes	**E1**=Electronic (120-277V) **347**=347V **480**=480V	**T2**=Type II Area **T3**=Type III Area **T4**=Type IV Short **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **RW**=Rectangular Wide **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **5XQ**=Type V Square Extra Wide **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)	**Accessories** (Order Separately) [9]
PC=Button Type Photocontrol (Specify Voltage) **R**=NEMA Twistlock Photocontrol Recepetacle **2L**=Two Circuits [5] **LCF**=LightBAR Cover Plate Matches Housing Finish **7060**=70 CRI / 6000K CCT [6] **8030**=80 CRI / 3000K CCT [6] **ICB**=Integral Cold Weather Battery Pack (Specify 120 or 277V) [7] **DIMRF-LW**=LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [8] **DIMRF-LN**=LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [8]	**VA6028-XX**=Dual Mount Arm (EPA 1.38) **VA6029-XX**=Wall Mount Arm **OA/RA1016**=NEMA Photocontrol - Multi-Tap **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **MA1253**=10kV Circuit Module Replacement

Notes:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Standard 4000K CCT and nominal 70 CRI.
3. 21 LED LightBAR powered at 350mA, 7 LED LightBAR powered at 1A.
4. Cutsom and RAL color matching available upon request. Consult your Eaton's Cooper Lighting business representative for more information.
5. Low-level output varies by bar count. Consult factory. Not availalbe with 347V or 480V. Requires quantity two or more LightBARs.
6. Consult factory for lead times and lumen multiplier.
7. Available with B01-B04 or C01-C04 configurations only. Specify 120V or 277V. LED cold weather integral battery pack is rated for minimum operating temperature -40°F (-20°C). Operates one LightBAR for 90-minutes. Not available in all configuration, consult factory. Rated for use in 25°C ambient.
8. LumaWatt wireless sensors are factory installed and require network components RF-EM1-, RF-GW1 and RF-ROUT1 in appropriate quantities. See www.cooperlighting.com for LumaWatt application information.
9. Replace XX with color designation.



LANDSCAPE LEGEND

SMYBOL	BOTANICAL NAME / COMMON NAME	SIZE	QTY
PLANT MATERIALS			
TREES			
	ULMUS P. 'SEMPIVERENS' EVERGREEN ELM - STANDARD	24" BOX	33
	PISTACIA X 'RED PUSH' RED PUSH PISTACHE - STANDARD	24" BOX	59
	PINUS ELDARICA MONDELL PINE - STANDARD	24" BOX	25
	QUERCUS VIRGINIANA SOUTHERN LIVE OAK - STANDARD	24" BOX	8
	SOPHORA SECUNDIFLORA TEXAS MOUNTAIN LAUREL - STANDARD	15 GAL.	17
PALMS		SIZE	QTY
	CHAMEROPS HUMILIS MEDITERRANEAN FAN PALM	15 GAL.	6
	CYCUS REVOLUTA SAGO PALM	15 GAL.	4
SHRUBS		SIZE	QTY
	BOUGAINVILLA SPECIES BUSH BOUGAINILLEA	5 GAL.	48
	TECOMA X 'ORANGE JUBILEE' ORANGE JUBILEE	5 GAL.	1
	LEUCOPHYLLUM FRUTESCENS GREEN CLOUD SAGE	5 GAL.	104
	E. MACULATA 'VALENTINE' VALENTINE BUSH	5 GAL.	63
	NERIUM OLEANDER 'PETITE PINK' PETITE PINK OLEANDER	5 GAL.	202
	RUELLIA BRITTONIANA COMMON RUELLIA	5 GAL.	135
	RUSSELIA EQUISETIFORMUS CORAL FOUNTAIN	5 GAL.	112
	MYRTUS COMMUNIS COMPACTA DWARF MYRTLE	5 GAL.	30
	NANDINA DOMESTICA 'GULFSTREAM' GULFSTREAM NANDINA (HEAVENLY BAMBOO)	5 GAL.	30
ACCENTS		SIZE	QTY
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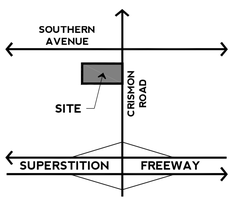
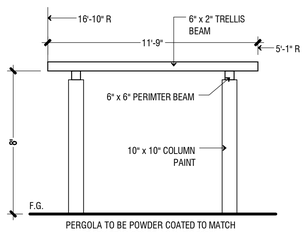
	HESPERALOE PARVIFOLIA RED YUCCA	5 GAL.	70
GROUNDCOVER		SIZE	QTY
	LANTANA X 'NEW GOLD' NEW GOLD LANTANA	1 GAL.	52
	LANT. MONTIVENDESIS PURPLE TRAILING LANTANA	1 GAL.	41
	LANTANA X 'WHITE LIGHTNIN' WHITE TRAILING LANTANA	1 GAL.	36
	CONVOLVULUS CNEORUM BUSH MORNING GLORY	1 GAL.	28
	WEDELIA TRILOBATA YELLOW DOT	1 GAL.	41
ANNUALS / GARDEN		SIZE	
	GARDEN / ANNUALS PLANTS SELECTED BY OWNER (SEASONAL)	SOD	347 S.F.
TURF		SIZE	
TURF	*TURF* CYNODON DACTYLON 'MIDIRON'	SOD	23.407 S.F.
GREEN	*ARTIFICIAL TURF (GREEN)*	50oz+	165 S.F.
ROUGH	*ARTIFICIAL TURF (ROUGH)*	50oz+	233 S.F.
TURF HEADER		SIZE	
	CONCRETE TURF HEADER SEE DETAIL 7/L103	6" x 6"	1,478 L.F.
TOP DRESSING		SIZE	QTY
	DECOMPOSED GRANITE COLOR: APACHE BROWN, 2" DEEP	1/2" SCREENED	74,080 S.F.



VICINITY MAP

PLAN N.T.S.



PERGOLA TO BE POWDER COATED TO MATCH DARK TRIM COLOR JAVA(SW 6090)

1 PERGOLA

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

PROJECT TEAM

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EMAIL: PAUL@THOMAS-CROWLEY.COM

KEYED NOTES

1.X - WORK BY OTHERS

1.1	CURB, SEE CIVIL PLANS	1.9	TRASH ENCLOSURE, SEE ARCHITECTURE PLANS
1.2	PEDESTRIAN RAMP, SEE CIVIL PLANS	1.10	BUBBLE UP BOX, SEE CIVIL ENG. PLANS
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1.6	HEADWALL, SEE CIVIL ENG. PLANS		
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1.8	MONUMENT, SEE ARCH PLANS		

2.X - LANDSCAPE ARCH

2.1	SIGHT VISIBILITY LINE,
2.2	CONCRETE HEADER, SEE LANDSCAPE SCHEDULE
2.3	CONCRETE GATHERING AREA WITH SALT FINISH
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2.6	BIKE RACK, PER OWNER
2.7	PERGOLA, SEE DETAIL 1
2.8	SCREEN WALL

SITE DATA

ZONING: C-2
PARCEL #: 220-80-007P
SITE AREA:
244,745 S.F. (5.62 AC)(GROSS)
220,752 S.F. (5.07 AC)(NET)

OFF SITE LANDSCAPE AREA:
2,757 S.F. (.06 AC)

ON SITE LANDSCAPE AREA:
95,475 S.F. (2.19 AC) (43% OF NET SITE AREA)

TOTAL WATER INTENSIVE LANDSCAPE
TURF: 23,407 S.F. + GARDEN: 347 S.F.
TOTAL: 23,754 S.F. (.55 AC)

TOTAL LANDSCAPE AREA :
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(40% OF GROSS SITE AREA)

THOMAS + CROWLEY
LANDSCAPE ARCHITECTURE • PLANNING

SEAL
REGISTERED LANDSCAPE ARCHITECT CERTIFICATE NO. 54031 PAUL L. THOMAS ARIZONA, U.S.A.
EXPIRES 9/30/15

SCALE
SCALE: 1" = 30'
0 15' 30' 60'

PROJECT
The Heritage of Mesa

SHEET
PRELIMINARY LANDSCAPE PLAN

SHEET #
L.1
1 OF 1

DATE: 5.4.2015

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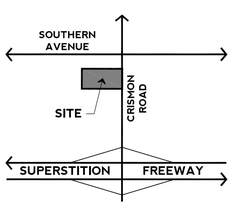
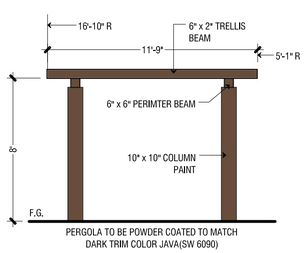


VICINITY MAP

PLAN N.T.S.



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SEAL
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EXPIRES 9/30/15

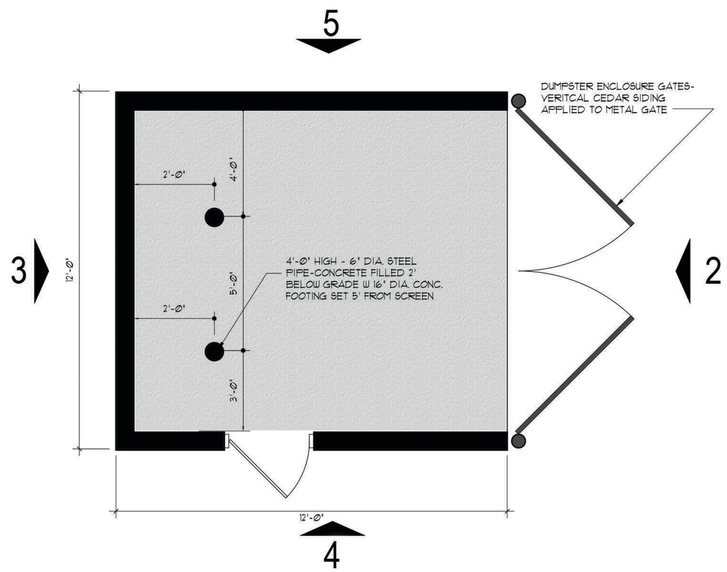
SCALE
SCALE: 1" = 30'
0 15' 30' 60'

PROJECT
The Heritage of Mesa

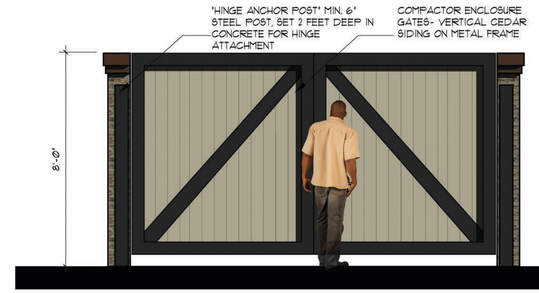
SHEET
PRELIMINARY LANDSCAPE PLAN

SHEET #
L.1
1 OF 1

DATE: 5.4.2015

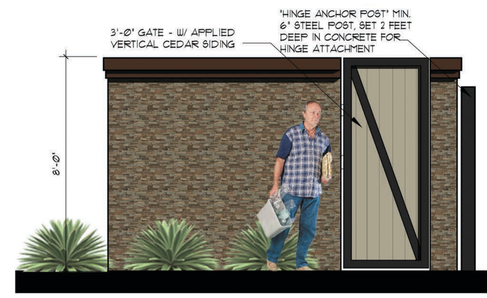


1 DUMPSTER PLAN
SCALE 3/4" = 1'-0"



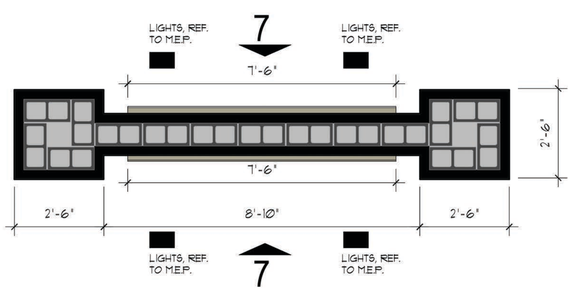
2 DUMPSTER ELEVATION
SCALE 3/8" = 1'-0"

3 DUMPSTER ELEVATION
SCALE 3/8" = 1'-0"

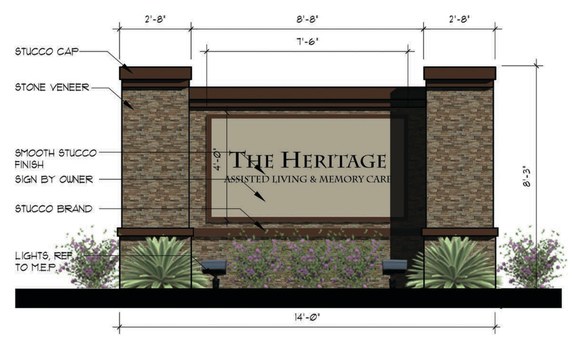


4 DUMPSTER ELEVATION
SCALE 3/8" = 1'-0"

5 DUMPSTER ELEVATION
SCALE 3/8" = 1'-0"



6 MONUMENT SIGN PLAN
SCALE 1/2" = 1'-0"



7 MONUMENT SIGN ELEVATION
SCALE 3/8" = 1'-0"

EXTERIOR MATERIAL

- **FIELD COLOR** FOXY: SW 6333
- **LIGHT TRIM** EXTRA WHITE: SW 7006
- **ACCENT COLOR** SIMPLIFY BEIGE: SW 6085
- **DARK TRIM** JAVA: SW 6090
- **STONE VENEER** CENTURION: CANYON LEDGE

0' 5' 15' 30' 50' 75'

Heritage of Mesa

Mesa, Arizona

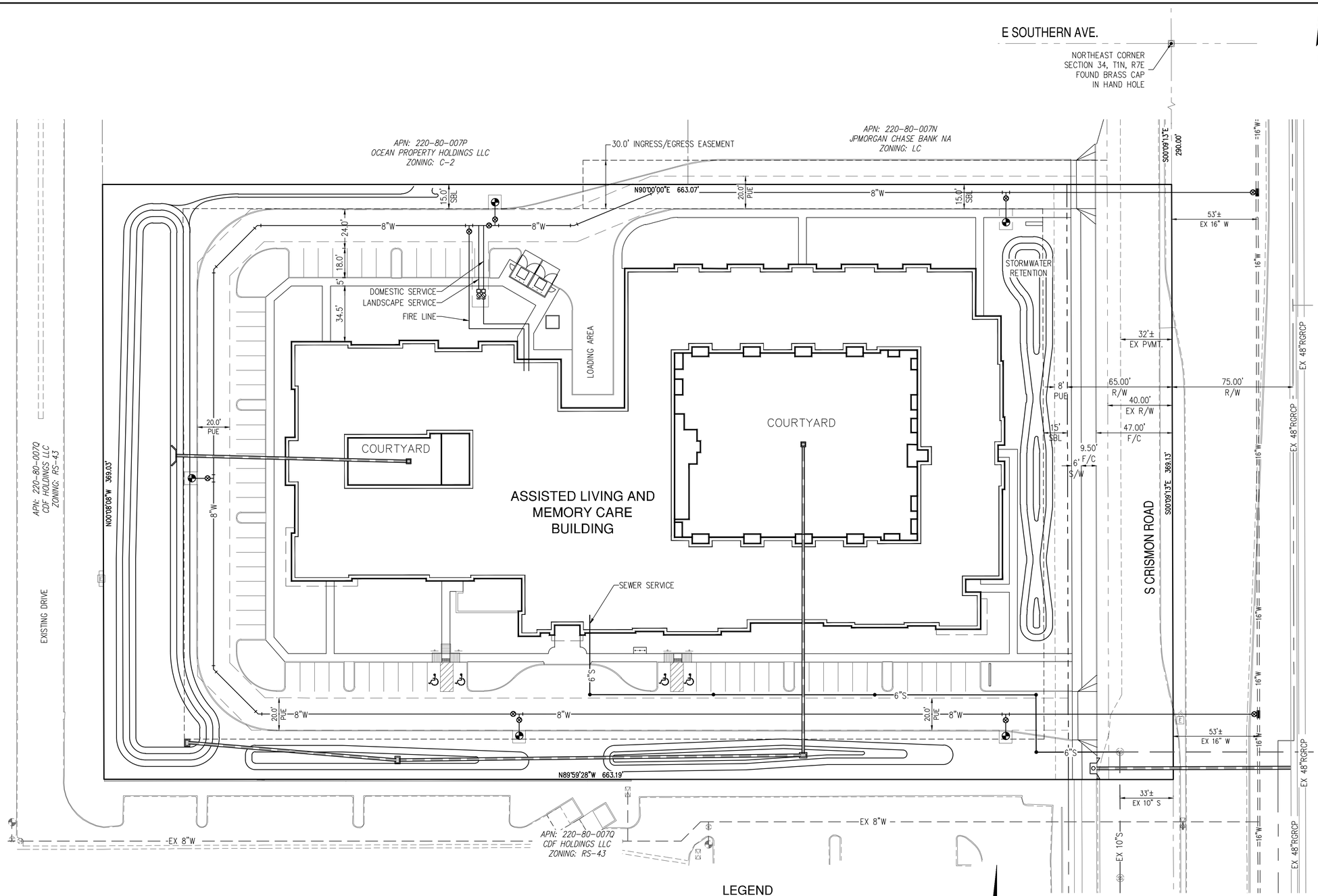
ARRIVE ARCHITECTURE GROUP
Architecture
Planning
Project Management
2344 Highway 121 · Suite 100 · Bedford, Texas 76021 · www.ArriveAG.com
Ph 817.514.0584 · Fx 817.514.0634

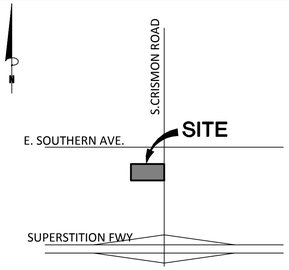
SEAL

DUMPSTER/ MONUMENT ELEVATION

REVISION

DRAWN BY: MF/JM	CHECKED BY: CA
SUBMITTAL DATE:	PROJECT NUMBER:
ISSUED FOR: REVIEW	SHEET NO.
SCALE: AS NOTED	





VICINITY MAP
N.T.S.

LEGEND

—W—	WATER LINE
—S—	SEWER LINE
	STORM DRAIN
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	BACKFLOW ASSEMBLY
	SEWER MANHOLE
	SEWER CLEANOUT
R/W	RIGHT OF WAY
PUE	PUBLIC UTILITY EASEMENT

N

30 15 0 30 60
GRAPHIC SCALE
1" = 30'

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OCEAN PROPERTY HOLDINGS, LLC
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© Bowman Consulting Group, Ltd.

PRELIMINARY UTILITY PLAN
THE HERITAGE OF MESA
MESA, ARIZONA
MARICOPA COUNTY

PROJECT NUMBER

32334
D. TROY PETERSON
Date Signed 3/14/15
ARIZONA U.S.A.
Expires 3/31/2016

PLAN STATUS

DATE	DESCRIPTION	
DESIGN	ARK DRAWN	GS CHKD
SCALE	H: 1"=30' V:	
JOB No. 050136		
DATE : 05/04/15		

UT1
SHEET 1 OF 1

CAD FILE NAME: P:\050136 - McFarlin Assisted Living-Mesa\050136-01-001 (ENG)\Engineering\Engineering Plans\Preliminary Site Plan\050136-SP-003-UTL.dwg 05/01/2015

WALLPACK
(WP1)

Ⓔ COOPER LIGHTING - LUMARK®

energy solutions

DESCRIPTION

The Lumark Wal-Pak Series of wall luminaires provides traditional architectural style with high performance energy efficient illumination. Rugged die-cast aluminum construction, stainless steel hardware along with a sealed and gasketed optical compartment make the Wal-Pak virtually impenetrable to contaminants. IP65 Rated. Six available lamp sources including patent pending energy efficient LED, pulse start metal halide, compact fluorescent, ceramic metal halide, standard metal halide and high pressure sodium. UL/cUL wet location listed. The Wal-Pak wall luminaire is ideal for pathway illumination, building entrances, vehicle ramps, schools, tunnels, stairways and loading docks.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Housing
Rugged one-piece die-cast aluminum housing and hinged, removable die-cast aluminum door. One-piece silicone gasket seals the optical chamber. UL 1598 wet location listed and IP65 ingress protection rated. Not recommended for car wash applications.

Electrical
Ballasts, LED driver and related electrical components are hard mounted to the die-cast housing for optimal heat sinking and operating efficiency. Wiring is extended through a silicone gasket at the back of the housing. Three ½" threaded conduit entry points allow for thru-branch wiring. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from LED source. Integral LED electronic driver incorporates internal fusing designed to withstand a 3kV surge test and is Class 2 rated for 120-277V with an operating temperature of -30° to 60°C.

Wal-Pak LED systems maintain greater than 70% of the initial light output after 50,000 hours of operation. UL listed HID high power factor ballasts are Class H insulation rated (metal halide: 150, 175, 200, 250, 320, 350, 400W [-30°C / -20°F], (high pressure sodium: 50, 70, 100, 150, 250, 400W [-40°C / -40°F]. High efficiency HID ballasts are available in 120V, 208V, 240V, 277V, 347V and 480V. Compact fluorescent high power factor ballasts are Class P insulation rated for 120-277V and have a starting temperature of -18°C / 0°F.

Optical
Highly reflective anodized aluminum reflectors provide high efficiency illumination. Optical assemblies include impact resistant borosilicate refractive glass, Solite™ flat diamond patterned glass and full cutoff IESNA compliant configurations. Patent pending, solid state LED luminaires are thermally optimized with 2400 or 4000 sourced lumen package modules. HID models are offered in horizontal medium or mogul-based metal halide [MH / MP] or high pressure sodium [HP] lamps. T6 ceramic metal halide [CM] and 4-pin compact fluorescent [CF] lamp models offer high efficiency energy saving illumination.

Door Assembly
Single point, captive stainless steel hardware secures the removable hinged door allowing for ease of installation and maintenance. Door assembly is hinged at the bottom for easy removal, installation and re-lamping.

Finish
Housing and door are protected with 5-stage TGIC dark bronze polyester powder coat paint. Premium TGIC power coat finishes withstand extreme climate change while providing optimal color and gloss retention. Optional premium colors are available.

DARK SKY COMPLIANT | FCO Full Cutoff

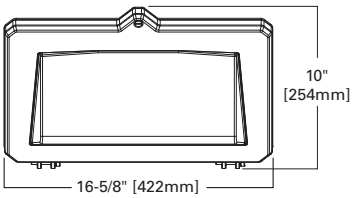
WP WAL-PAK

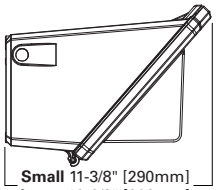
2400 - 4000 Lumen LED
39 - 400W
High Pressure Sodium
Pulse Start Metal Halide
Metal Halide
Ceramic Metal Halide
32 - 140W
Compact Fluorescent

WALL MOUNT LUMINAIRE

DIMENSIONS

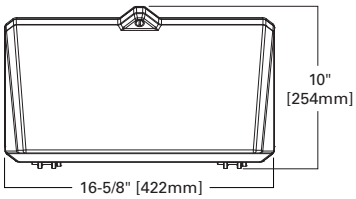
BOROSILICATE

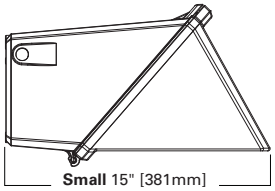




Small 11-3/8" [290mm]
Large 12-6/8" [323mm]

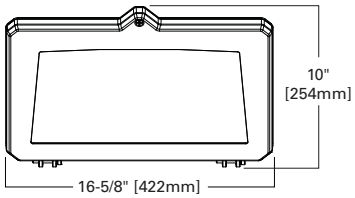
FULL CUTOFF

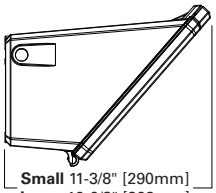




Small 15" [381mm]
Large 16-2/8" [414mm]

FL LENS





Small 11-3/8" [290mm]
Large 12-6/8" [323mm]

TECHNICAL DATA
UL/cUL Wet Location Listed
IP65 Rated
40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum
EISA Ⓔ, ARRA, Title 20 Compliant
LM79 / LM80 Compliant

ENERGY DATA
Reactor Ballast Input Watts
50W HPS NPF (58 Watts)
70W HPS NPF (82 Watts)
100W HPS NPF (118 Watts)
150W HPS NPF (175 Watts)
High Reactance Ballast Input Watts
50W MP HPF (69 Watts)
70W MP HPF (94 Watts)
100W MP HPF (129 Watts)
150W MP HPF (185 Watts)
CWA Ballast Input Watts
200W HPS HPF (250 Watts)
200W MP HPF (227 Watts) Ⓔ
250W MP HPF (283 Watts) Ⓔ
320W MP HPF (365 Watts) Ⓔ
350W MP HPF (400 Watts) Ⓔ
400W HPS HPF (465 Watts)
400W MP HPF (452 Watts) Ⓔ

SHIPPING DATA
Approximate Net Weight:
32-42 lbs. (15-19 kgs.)

ADH092103 pc
2012-01-12 09:08:16

ORDERING INFORMATION

Sample Number: MPWP-GL-250-MT-2EM/SC/MR

Lamp Type
- **MP**=Pulse Start Metal Halide
- **HP**=High Pressure Sodium
- **LD**=Solid State Light-Emitting Diodes (LED)
- **CF**=Compact Fluorescent [1]
- **CM**=Ceramic Metal Halide [2]
- **MH**=Metal Halide [3]

Series
- **WP**=Wal-Pak

Door Type [4]
- **GL**=Borosilicate Glass Door
- **FC**=Full Cutoff Door
- **FL**=Flat Solite Glass Door
- **PL**=Polycarb Refractor Door

Lamp Wattage [5]

LED
- **2A**=(2 Package), 28W
- **4A**=(4 Package), 40W

MP
- **50**=50W
- **70**=70W
- **100**=100W
- **150**=150W
- **200**=200W
- **250**=250W
- **320**=320W
- **350**=350W
- **400**=400W

MH
- **175**=175W
- **250**=250W
- **400**=400W

HP
- **50**=50W
- **70**=70W
- **100**=100W
- **150**=150W
- **250**=250W
- **400**=400W

CM
- **39**=39W
- **70**=70W
- **100**=100W
- **150**=150W

CF
- **32**=32W
- **42**=42W
- **57**=57W
- **70**=70W
- **64**=(2-32)
- **84**=(2-42)
- **114**=(2-57)
- **140**=(2-70)

Voltage [6]
- **120V**=120V
- **208V**=208V
- **240V**=240V
- **277V**=277V
- **347V**=347V [7]
- **480V**=480V
- **DT**=Dual-Tap
- **MT**=Multi-Tap
- **TT**=Tri-Tap
- **5T**=5-Tap
- **E**=Electronic Ballast [8]
- **ED**=Electronic LED Driver

Options [9]
- **F1**=Single fuse [10]
- **F2**=Double fuse [10]
- **PE**=Photocontrol button [10]
- **LL**=Includes lamp [2]
- **BK**=Black housing
- **WH**=White housing
- **GM**=Graphite Metallic housing
- **AP**=Grey housing
- **DP**=Dark Platinum housing
- **DIMA**=CF Dimming Ballast [11]
- **DIMB**=CF Dimming Ballast [11]
- **SGL**=Solite Glass Lens [12]
- **Q**=Quartz Restrike T4 Lamp [13]
- **EM**=Emergency Quartz Restrike T4 Lamp with Time Delay Relay [13]
- **EM/SC**=Emergency Separate Circuit T4 Lamp [13]
- **QMR**=Emergency Back-Up 1-MR16 Lamp [14,15]
- **2QMR**=Emergency Back-Up 2-MR16 Lamps [14,15]
- **2QMR/SC**=Emergency Back-Up MR16 and EM separate circuit 2-MR16 Lamp [14,16]
- **EMMR**=Emergency Back-Up 1-MR16 Lamp with Time Delay Relay [14,15]
- **2EMMR**=Emergency Back-Up 2-MR16 Lamps with Time Delay Relay [14,15]
- **2EMMR/SC**=Emergency Back-Up 1-MR16 Lamp with Time Delay Relay and EM Separate Circuit [14, 15, 16]
- **EM/SC/MR**=Emergency Back-Up Separate Circuit 1-MR16 Lamp [14, 15, 16]
- **2EM/SC/MR**=Emergency Back-Up Separate Circuit 2-MR16 Lamps [14, 15, 16]
- **EM/SC/12V**=Emergency Separate Circuit 12V 1-MR16 Lamp [14, 16, 17]
- **2EM/SC/12V**=Emergency Separate Circuit 12V 2-MR16 Lamps [14, 16, 17]
- **EMI40**=Emergency Cold Temperature UL 924 CF Power Pack 1 Lamp [18]
- **EMI40/2L**=Emergency Cold Temperature UL 924 CF Power Pack 2 Lamp [18]
- **CF-EM**=Emergency UL924 CF Power Pack 1 Lamp [19]
- **CF-EM/2L**=Emergency UL924 CF Power Pack 2 Lamp [19]
- **EMLED-CD**=LED Battery Back-Up Cold Temperature [20]

Accessories [21]
- **WG/WPGL**=Wire Guard Borosilicate Glass Lens Door
- **WG/WPFC**=Wire Guard Full Cutoff Door
- **WG/WPFL**=Wire Guard FL Lens Door
- **TR/WP**=Tamper Resistant Screw and Bit
- **VS/WPGL**=Polycarbonate Vandal Shield for Borosilicate Glass Lens Door

STOCK SAMPLE NUMBER - LAMP INCLUDED

SAMPLE NUMBER: WPP40C

Series
- **WP**=Wal-Pak

Lamp Type
- **L**=LED
- **P**=Pulse Start Metal Halide
- **S**=High Pressure Sodium

Lamp Wattage
- **2A**=28W
- **4A**=40W
- **10**=100W
- **15**=150W
- **25**=250W
- **32**=320W
- **40**=400W

Door/Glass Type
- **Blank**=Standard
- **C** =Full Cutoff Door

NOTES: Options not available with stock products. Refer to standard order information to add options. MT is standard. Lamp Type: MP not available in 100W. HPS not available in 320W or Full Cutoff [C] Door. Borosilicate glass door is standard. 2A and 4A models available in LED only. LED models are 120-277V.

LED LUMEN TABLE

BUG RATING	B	U	G	Delivered Lumens [22]		B	U	G	Delivered Lumens [22]
Borosilicate Glass Door (GL)					Flat Lens Door (FL)				
LDWP-GL-2A-ED	0	3	2	1836	LDWP-FL-2A-ED	0	2	1	1454
LDWP-GL-4A-ED	1	3	2	2795	LDWP-FL-4A-ED	0	3	1	2084
Polycarbonate Lens (PL)					Full Cutoff Door (FC)				
LDWP-PL-2A-ED	0	3	2	1508	LDWP-FC-2A-ED	0	1	1	1090
LDWP-PL-4A-ED	1	3	2	2297	LDWP-FC-4A-ED	0	1	1	1313

For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf

NOTES:
1 CF Single lamp offered in all door configurations. CF dual lamp models not offered with FL door type. 70W models not available with EMI40-2L, CF-EM, CF-EM-2L. CF not available in 347V.
2 All CM models offered with T6 envelope G12 lamp base. T6 Lamp included with CM models. Order LL with CM models. Ceramic Metal Halide (CM) is available with (MP) pulse start metal halide or E - Electronic Ballast. 400W MP must be ordered with LL option to be Title 20 Complaint.
3 MH products available for non-US markets only.
4 Small housing offered for 175W and below, CF and LD models. Large housing for 200W-400W. FL door not available with CF or 200-400W models. Polycarbonate lens available in models up to 175W max including LD. Polycarbonate lens not available with full cutoff door or FL models. Solite stipple glass is standard for FL lens. Clear glass is standard for full cutoff door types except for LD. LD full cutoff door is standard with solite glass.
5 LED packages based on 67 CRI/5000K package at 25°C ambient. MH and MP 175W and below are medium base all others are mogul base. CF 64, 84, 114 and 140 models are offered in borosilicate glass and full cutoff doors only. In cold temperatures, compact fluorescent lamps produce lower illumination levels. CF 140 models and 400W HPS rated for 25°C.
6 See Voltage Chart for descriptions. 5T available in 400W MH models only. 90°C Rated wire required for thru-branch wiring for units 175W and lower. 105°C Rated wire required for thru-branch wiring for units 200W and higher. Thru-branch wiring is rated for 40°C for LD and 175W and below. Higher wattage thru-branch wiring is rated for use in 25°C ambient operating environments.
7 347V not available with thru-branch wiring. For 347 or 480V LD specify voltage. ED will be supplied with integral step down transformer. 347V not available with CF lamps.
8 Available with 70-150W MP or CM lamps. E is standard for all CF models. All electronic ballasts are universal 120-277V.
9 Not all options can be combined. Only one emergency or battery back-up option available within the fixture. CF Models utilize EMI40, EMI40/2L, CF/EM or CF-EM/2L option for emergency egress. LD Models utilize EM-LED or EMLED-CD options only for battery back-up.
10 Must specify voltage. F1=120, 277 or 347V. F2=208, 240 or 480V. PE=120, 208, 240 or 277V.
11 DIMA dimming ballast, specify number of lamps, available for 1 or 2-26W or 1-32W, 1-42W. DIMB available for 2-42W, 1-57W or 1-70W.
12 SGL optional on HID and CF models only. See note number 4.
13 Q or EM not available with LD or E electronic ballast. Q or EM Minimum HID wattage is 70 watts. EM/SC available in 120V only, EM/SC not available with LD. Maximum 100W 120V T4 DC Bayonet Quartz lamp. Lamp supplied by others.
14 QMR, 2QMR, EMMR, 2EMMR & 2EMMR/SC not available with LD or E electronic ballast. Minimum HID wattage is 70 watts.
15 1 or 2 GU10 base 50W max - 120V Halogen. Lamps supplied by others. EM/SC/MR, 2EM/SC/MR, EM/SC/12V, 2EM/SC/12V not available with LD.
16 Emergency lamp leads out of the back of the unit to auxillary power. Lamps independently wired to separate circuits.
17 Low Voltage 1 or 2 GU5.3 MR16 base, 12V DC, 35W max. Lamps supplied by others.
18 For use in 25°C ambient operating temperature environments. EMI40, EMI40/2L used for CF lamps. Specify 120 or 277V. EMI40 supports 1-70W CF max, EMI40/2L supports 2-32W CF max. Minimum -18°C/-4°F.
19 For use in 25°C ambient operating temperature environments. Specify 120 or 277V, CF-EM supports up to 1-57W CF. CF-EM/2L supports 2-18W CF, 18W lamps supplied by others. Minimum temperature is 32°C/0°F.
20 EMLED-CD available with 4A models only. For use in 25°C ambient operating temperature environments. Specify 120 or 277V. EMLED-CD minimum -20°C/-4°F. Battery pack is a UL recognized component.
21 Order separately.
22 Delivered lumens subject to change. Consult IES file for details.

VOLTAGE CHART	
DT=Dual-Tap	120/277 (wired 277V)
MT=Multi-Tap	120/208/240/277 (wired 277V)
TT=Tri-Tap	120/277/347 (wired 347V)
5T=5 Tap	120/208/240/277/480 (wired 480V)
E=Electronic Ballast	120-277V (Universal) (50/60 HZ)
ED=Electronic LED Driver	120-277V (Universal) (50/60 HZ)

LAMP TYPE	WATTAGE
Pulse Start Metal Halide	50, 70, 100, 150, 200, 250, 320, 350, 400W
Metal Halide	175, 250, 400W
High Pressure Sodium	50, 70, 100, 150, 250, 400W
T6 Ceramic Metal Halide	39, 70, 100, 150W
Compact Fluorescent	(1) 32, (1) 42, (1) 57, (1) 70, (2) 32, (2) 42, (2) 57, (2) 70
LED	2A (2 Package) 28W, 4A (4 Package) 40W