ARIZONA GENERAL HOSPITAL - MESA ARIZONA

FUNCTIONAL NARRATIVE

Summary:

Arizona General Hospital is proposed to be a medical surgical hospital, located in Mesa, Arizona. This facility is expected to open in the Spring of 2017. The hospital will provide in-patient and out-patient surgical and treatment services as a full service acute care facility.

The proposed building is an institutional occupancy of building type II (1,1,1) construction, and is fully sprinklered. The structure is three occupiable stories, with roof top screen walls.

The key components of the project are as follows:

- Diagnostics 3 major modalities (CT, R&F X-ray, and MRI)
- Entry/Admit (2 Closed) /Waiting
- Dietary (Cook/Chill Kitchen)
- Light Diagnostics (Pre-Admit test/ Urinalysis)
- Surgical Suite Including 4 Operating Rooms (each at 600 SF minimum)
- 1 Endoscopy rooms inside the surgical suite
- 6 Pre-Operative treatment positions
- 8 PACU positions with two step down discharge positions
- 14 Emergency Positions in ER including Triage
- Materials Management
- Central Plant
- Central Sterile Department
- Stat Lab
- Pharmacy
- Lounge Lockers/ Support areas
- Administration / Business Office
- 46 Private Inpatient Med/Surg Patient rooms
- 4 ICU/MOSU Patient rooms
- Main Entry Canopy
- Patient Discharge Canopy
- Exterior Non-Recessed Dock
- Med Gas Farm
- Mechanical Yard

- Ancillary support spaces are provided as required for mechanical and electrical support, including medical gas capability, emergency power capability and normal electrical and other utility distribution to support the facility.

Project Area Summary

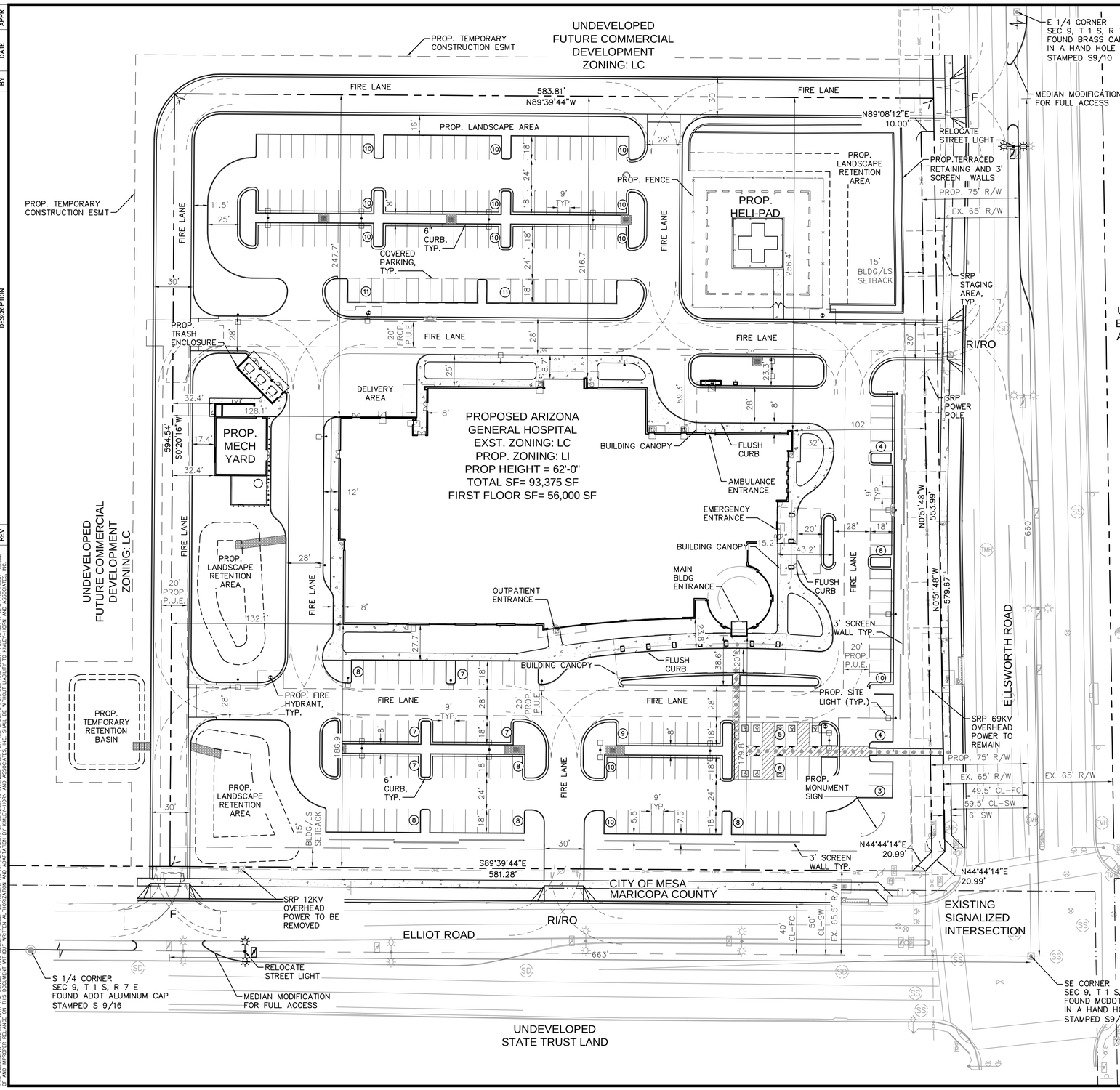
Level 1 New Area	54,735 sf
Level 2 New Area	17,575 sf
Level 3 New Area	19,050 sf
Level 4 Stair Tower	705 sf
Total Area	92,065 sf

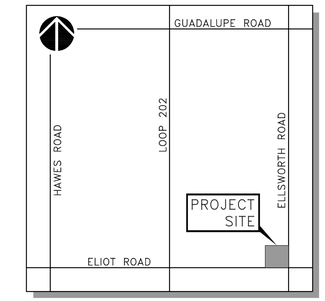
Exterior Construction Materials:

The exterior of the Hospital building will primarily be constructed of Brick and Stone Cavity wall, while portions of the entry rotunda will have Aluminum Metal panel and Stucco accent banding. The exterior Mechanical Yard and Dumpster enclosures will be of colored Split Face Concrete masonry, with a metal louvered panel fencing and gate. The second floor rooftop mechanical equipment will be screened by a high brick parapet that transitions to a Stucco screen wall, the fourth floor rooftop mechanical equipment will be screened by a backlit storefront glass wall with Aluminum Composite Metal panel cornice and cap. Windows at the rotunda and stair tower will be Curtain wall glass framing, while single story glass windows will be aluminum storefront all glass at occupied levels will be 1" insulated units. Drop off canopies at the main and emergency entry will be structurally cantilevered and covered in Aluminum Composite Metal Panels to match the building accents, the ambulance canopy will also be of Aluminum Composite Metal panels matching the building.

Interior Materials:

The interior of the Hospital building will consist of rich wood cabinetry, large-format tile flooring, accents of wood, metal and glass, and hotel-like decorative pendants. The Main Lobby will consist of a combination of tile flooring and carpet, to not only add a decorative concept to the space, but to enhance acoustics as well. Also in the Main Lobby will be an elevated ceiling design, consisting of multiple materials and differing heights to add to its uniqueness. Colorful quartz countertops will cover the millwork in the Main Lobby for visual effect. Patient corridors will consist of floor patterns for visual interest, while private patient areas will contain a combination of wood-look flooring and solid flooring, with rich wood cabinetry and a patient bathroom complete with tile flooring and tile walls, with a simple design to enhance visual effect. Throughout the interior of the building will be small accents of glass tile as well as wall color accents to add depth and color to each space. Each main Nurse Station will be comprised of multiple materials, such as wood-look laminate, glass tile and quartz countertops. To increase the visual design, reveals may be added across the front. Overall, the Hospital interior will be comprised of multiple materials, on floors, ceilings and walls, with subtle accents throughout to give the overall look one of higher-end design, in an effort to maintain a high level of comfort to those visiting, both patient and guest.





VICINITY MAP
CITY OF MESA
N.T.S.

LEGEND

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- F — FULL ACCESS
- (1) — PARKING COUNT
- ADA ACCESSIBLE ROUTE
- R=55' / R=35' — FIRE TRUCK TURNING RADIUS
- R=43.9' / R=28.4' — GARBAGE TRUCK TURNING RADIUS
- PROPOSED SITE LIGHTING

NOTE:

ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

PROJECT INFORMATION

PROPOSED USE:	ARIZONA GENERAL HOSPITAL
EXISTING ZONING:	LC
PROPOSED ZONING:	LI
ADJACENT ZONING:	WEST: LC, EAST: LC, SOUTH: STATE LAND
JURISDICTION:	MESA, ARIZONA

BUILDING/LANDSCAPE SETBACKS:	REQUIRED	BLDG PROVIDED	LS PROVIDED
MINIMUM FRONT SETBACK:	15' BLDG/15' LS	102.0'	22.9'
MINIMUM REAR (COMMERCIAL) SETBACK:	0' BLDG/0' LS	216.1'	16.0'
MINIMUM SIDE (COMMERCIAL) SETBACK:	0' BLDG/0' LS	32.4'	17.4'

PARKING REQUIREMENTS

PARKING REQUIRED:

HOSPITAL:
1 SPACE PER 400 SF:
93,375 SF/400 = 234 SPACES

PARKING PROVIDED:

STANDARD:	239 SPACES
ACCESSIBLE:	11 SPACES
TOTAL	250 SPACES

SITE CALCULATIONS

BUILDING HEIGHT:	62'-0"
BUILDING AREA:	93.375 SF
BUILDING LOT COVERAGE:	56,000 SF / 344,555 SF = 16.2%
NET LOT AREA: (AFTER DEDICATION)	7.91± AC 344,555 SF
GROSS LOT AREA: (BEFORE DEDICATION)	8.04± AC 350,206 SF

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD
SITE PLAN
MESA, ARIZONA

PROJECT No.	191924005
SCALE (H):	1"=40'
SCALE (V):	NONE
DRAWN BY:	BMW
DESIGN BY:	BMW
CHECK BY:	STM
DATE:	10/05/2015

Registered Professional Engineer (Civil)
CERTIFICATE NO. 47183
STERLING MARGETTS
Date Signed 10/05/15
ARIZONA, U.S.A.
Expires 12/31/16

SP.dwg

SP1
1 OF 1 SHEETS

REV	DESCRIPTION	BY	DATE	APPR

K:\phx_civil\elliot and ellsworth\CADD\SP.dwg, Layout:SP Oct 06, 2015 - 5:03pm bryan.Wright
XREFS: xBM xTB xVF xUT xCD xEL
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

RETENTION REQUIRED

BASIN A

CLASSIFICATION	AREA	C-VALUE	VOLUME REQUIRED
BUILDING	0.86 AC± (37,462 SF)	0.95	0.15 AC FT (6,465 CF)
LANDSCAPE	1.60 AC± (69,696 SF)	0.50	0.15 AC FT (6,331 CF)
PAVEMENT	1.39 AC± (60,548 SF)	0.85	0.21 AC FT (9,350 CF)
TOTAL	3.85 AC± (167,706 SF)		0.51 AC FT (22,146 CF)

BASIN B

CLASSIFICATION	AREA	C-VALUE	VOLUME REQUIRED
BUILDING	1.11 AC± (48,406 SF)	0.95	0.19 AC FT (8,354 CF)
LANDSCAPE	1.24 AC± (54,014 SF)	0.50	0.11 AC FT (4,906 CF)
PAVEMENT	1.98 AC± (86,048 SF)	0.85	0.31 AC FT (13,287 CF)
TOTAL	4.33 AC± (188,468 SF)		0.61 AC FT (26,548 CF)

BASIN T1

CLASSIFICATION	AREA	C-VALUE	VOLUME REQUIRED
BUILDING	0.00 AC± (0 SF)	0.95	0.00 AC FT (0 CF)
LANDSCAPE	0.15 AC± (6,534 SF)	0.50	0.01 AC FT (594 CF)
PAVEMENT	0.41 AC± (17,892 SF)	0.85	0.07 AC FT (2,763 CF)
TOTAL	0.56 AC± (24,426 SF)		0.08 AC FT (3,356 CF)

1. ALL RETENTION CALCULATIONS ARE BASED ON A 100-YEAR 2-HOUR RAINFALL RUNOFF OF 2.18 INCHES FROM CITY OF MESA ENGINEERING STANDARDS.
2. RETENTION CALCULATIONS DO NOT INCLUDE RUNOFF FROM HALF-STREET RIGHT OF WAY ALONG ELLIOT NOR ELLSWORTH DUE TO EXISTING PUBLIC STORM DRAINS IN THE STREET.

RETENTION PROVIDED

	VOLUME REQUIRED	VOLUME PROVIDED	DEPTH
BASIN A	0.51 AC FT (22,146 CF)	0.81 AC FT (35,215 CF)	3.5'
BASIN B	0.61 AC FT (26,548 CF)	0.61 AC FT (26,661 CF)	3.5'
BASIN T1	0.08 AC FT (3,356 CF)	0.08 AC FT (3,696 CF)	1.0'

BENCHMARK

A CITY OF MESA BRASS TAG ON A HEADWALL AT THE NORTHWEST CORNER OF ELLIOT ROAD AND HAWES ROAD.
ELEVATION = 1377.52 NAVD'88

BASIS OF BEARING

THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 9, TOWNSHIP 1 SOUTH, RANGE 7 EAST.
BEARING = N 89°39'44" W

FLOOD ZONE

ACCORDING TO THE FLOOD INSURANCE RATE MAP #04013C2760L, DATED OCTOBER 16, 2013, THIS PROPERTY IS LOCATED IN FLOOD ZONE 'X'. ZONE X IS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY AS AREAS 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN ONE (1) FOOT OR WITH DRAINAGE AREAS LESS THAN ONE (1) SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

DRAINAGE STATEMENT

THE PROPOSED ADEPTUS HEALTH HOSPITAL PROJECT WILL RETAIN THE 100-YEAR 2-HOUR STORM IN SURFACE RETENTION BASINS LOCATED ALONG THE PERIMETER OF THE DEVELOPMENT. STORM WATER WILL BE BE DISPOSED OF VIA GRAVITY TO THE EXISTING STORM DRAIN INFRASTRUCTURE LOCATED IN BOTH ELLIOT ROAD AND ELLSWORTH ROAD. NO RETETION IS PROPOSED FOR THE HALF-STREETS OF ELLIOT ROAD AND ELLSWORTH ROAD DUE TO THE EXISTING STORM DRAIN INFRASTRUCTURE IN THE ROADS.

LOCAL OFF-SITE SHEET FLOW FROM THE ADJACENT PROPERTIES IS PROPOSED TO BE ROUTED AROUND THE NORTHERN PERIMETER, UNTIL THE NORTHERN PROPERTIES ARE FULLY DEVELOPED AND RETAIN THE 100-YEAR 2-HOUR STORM EVENT.

DEVELOPER

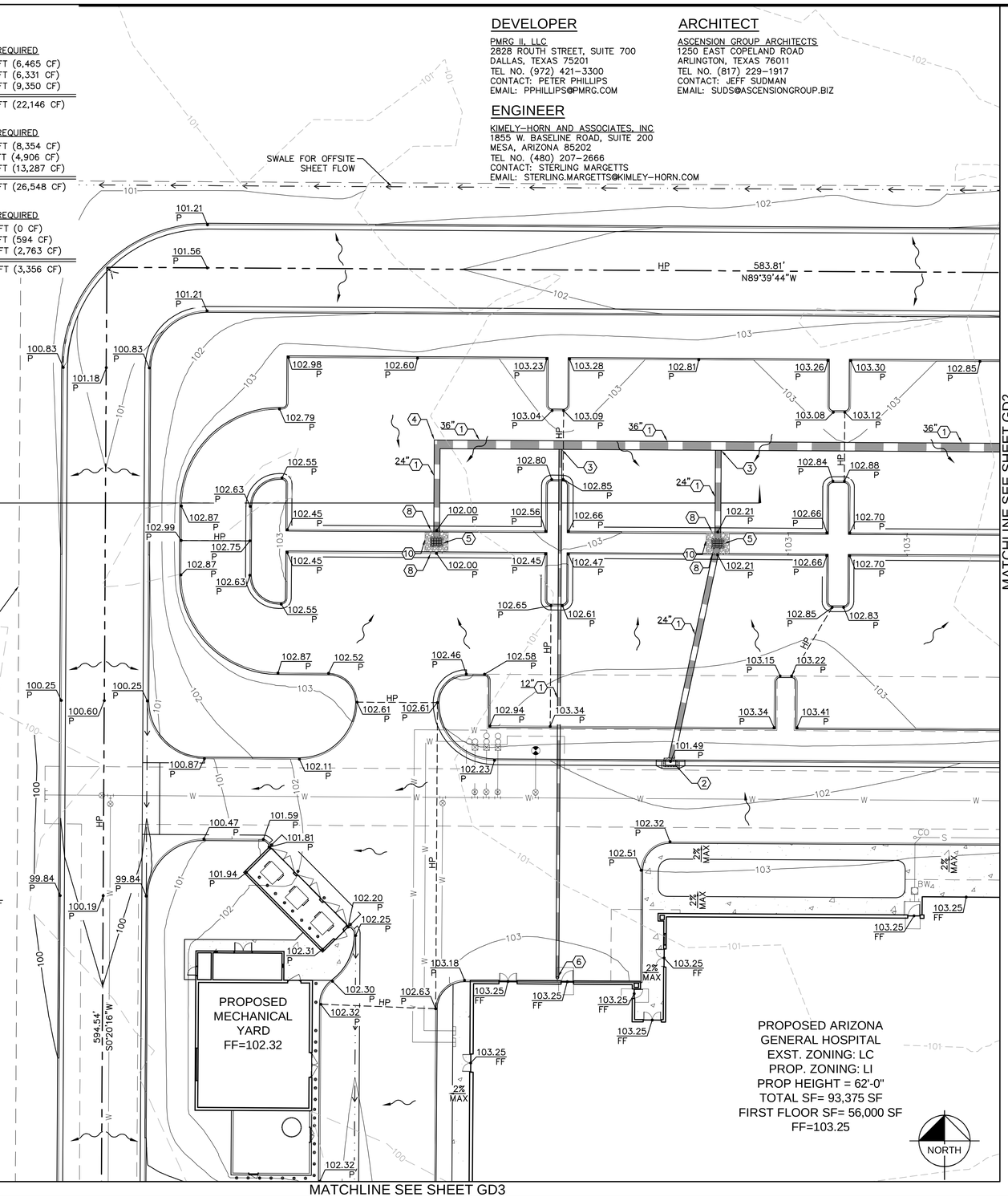
PMRG II, LLC
2828 ROUTH STREET, SUITE 700
DALLAS, TEXAS 75201
TEL NO. (972) 421-3300
CONTACT: PETER PHILLIPS
EMAIL: PPHILLIPS@PMRG.COM

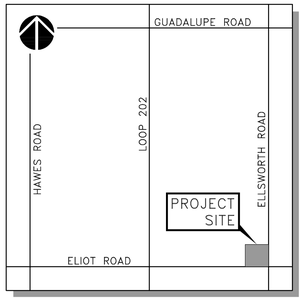
ARCHITECT

ASCENSION GROUP ARCHITECTS
1250 EAST COPELAND ROAD
ARLINGTON, TEXAS 76011
TEL NO. (817) 229-1917
CONTACT: JEFF SUDMAN
EMAIL: SUDS@ASCENSIONGROUP.BIZ

ENGINEER

KIMLEY-HORN AND ASSOCIATES, INC
1855 W. BASELINE ROAD, SUITE 200
MESA, ARIZONA 85202
TEL NO. (480) 207-2666
CONTACT: STERLING MARGETTS
EMAIL: STERLING.MARGETTS@KIMLEY-HORN.COM





VICINITY MAP

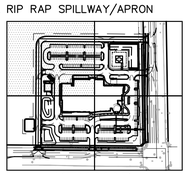
CITY OF MESA
N.T.S.

GRADING LEGEND

- PROPERTY LINE
- EXISTING EASEMENT LINE
- HP — PROPOSED HIGH POINT
- PROPOSED STORM DRAIN PIPE
- 81 — EXISTING CONTOUR
- PROPOSED CATCH BASIN PER M.A.G. STANDARD DETAIL 534
- PROPOSED FLOW ARROW
- 07.10 P — PROPOSED PAVEMENT SPOT ELEVATION
- 05.72 G — PROPOSED CATCH BASIN GRATE ELEVATION
- TC=07.06 P=06.62 — EXISTING ELEVATION

DRAINAGE NOTES

1. INSTALL HDPE STORM DRAIN PIPE. BEDDING AND BACKFILL PER MAG 601
2. INSTALL TYPE 'E' CATCH BASIN PER MAG STD DET 534. GRATE SHALL BE SECURED WITH CHAIN.
3. INSTALL HDPE STORM DRAIN TEE. SIZE TO MATCH ADJOINING PIPES.
4. INSTALL HDPE STORM DRAIN 90° BEND. SIZE TO MATCH ADJOINING PIPES.
5. INSTALL TYPE 'G' CATCH BASIN PER MAG STD DET 537. GRATE SHALL BE SECURED WITH CHAIN.
6. BUILDING ROOF DRAIN AIR BREAK, REF PLUMBING PLANS FOR CONTINUATION.
8. INSTALL DRAINAGE CURB OPENING.
10. INSTALL RIP RAP SPILLWAY/APRON



KEY MAP

NOTES

1. ADD 1300' TO ALL ELEVATIONS.
2. ADD 0.5' TO PAVEMENT (P) ELEVATIONS FOR TOP OF CURB ELEVATIONS FOR VERTICAL CURBS.
3. ALL SPOT ELEVATIONS ARE FINISHED GRADE PAVEMENT (P), GUTTER/GRATE (G), TOP OF CURB (TC), OR SIDEWALK (SW) ELEVATIONS UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL USE SPOT ELEVATIONS, PROPOSED CONTOURS, AND SLOPES TO ESTABLISH GRADES.
5. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% AND LONGITUDINAL SLOPE SHALL NOT EXCEED 5%.
6. REFER TO LANDSCAPE PLANS FOR SLOPE TREATMENT.
7. ALL FILL SLOPES SHALL BE COMPACTED TO 95% RELATIVE DENSITY.
8. REFER TO BUILDING ARCHITECTURE AND STRUCTURAL PLANS FOR EXACT BUILDING FOUNDATION THICKNESS CHANGES.
9. SEE SHEET GD5 FOR CROSS SECTIONS.

GRAPHIC SCALE IN FEET
0 10 20 40

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD
GRADING AND DRAINAGE PLAN
MESA, ARIZONA

PROJECT No.	191924005
SCALE (H):	1"=20'
SCALE (V):	NONE
DRAWN BY:	BMW
DESIGN BY:	BMW
CHECK BY:	STM
DATE:	10/05/2015

Registered Professional Engineer (Civil)
CERTIFICATE NO. 47183
STERLING MARGETTS
Date Signed 10/05/15
ARIZONA, U.S.A.
Expires 12/31/16

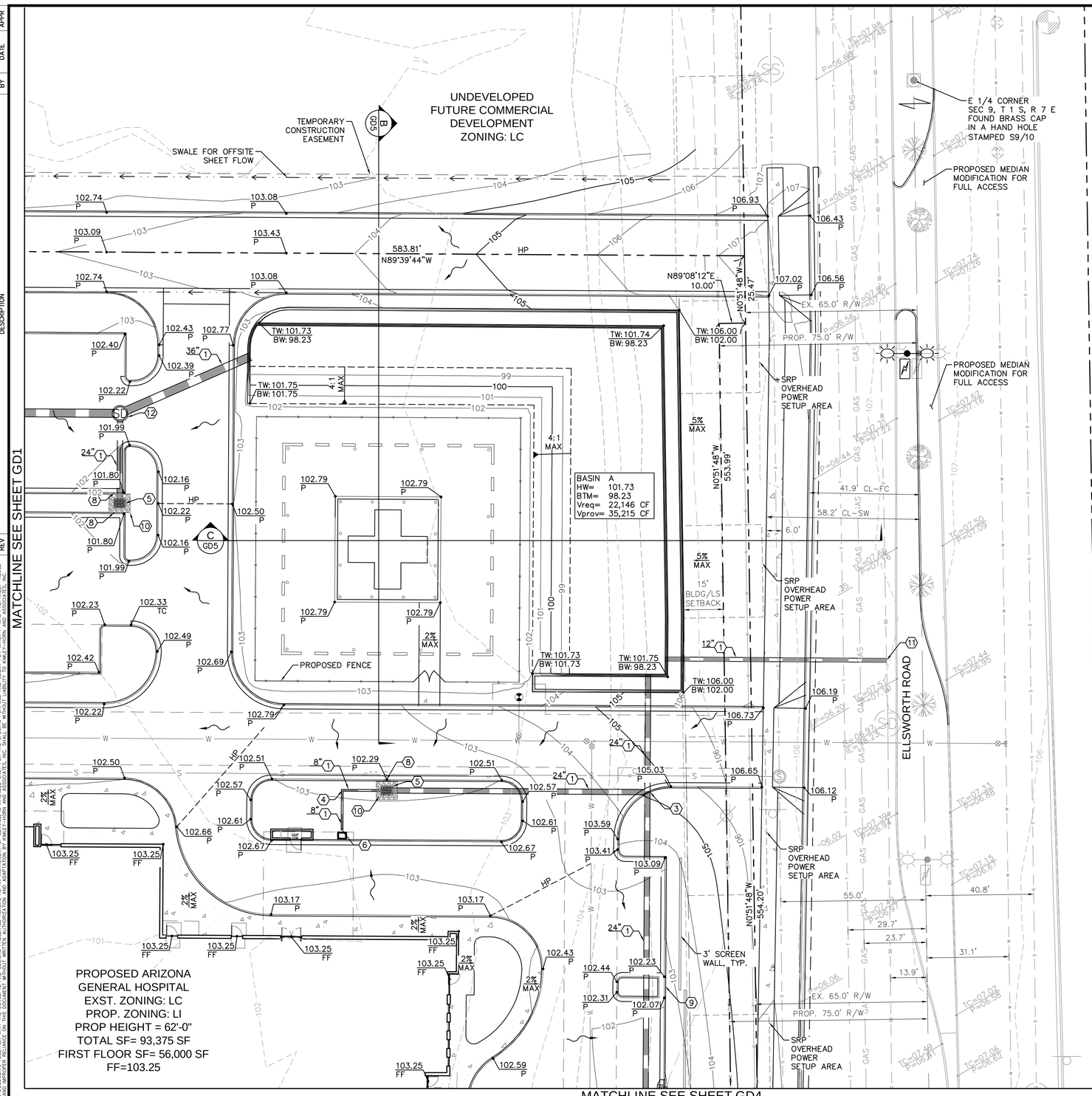
GD.dwg

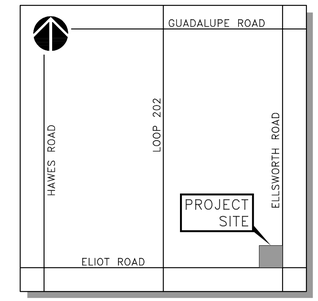
GD1
1 OF 5 SHEETS

REV	DESCRIPTION	BY	DATE	APPR

PREPARED, REUSE OF THIS DOCUMENT, REGARDLESS OF THE PURPOSE, WITHOUT WRITTEN AUTHORIZATION AND APPROPRIATE COMPENSATION AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED.

K:\phx_civil\ellis and ellsworth\CADD\GD.dwg, Layout: GD1 Oct 06, 2015 - 5:04pm bryan.Wright
XREFS: xBM xVP xTB xUT xGD





VICINITY MAP

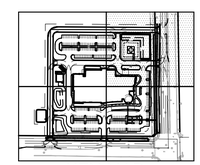
CITY OF MESA
N.T.S.

GRADING LEGEND

- PROPERTY LINE
- EXISTING EASEMENT LINE
- HP — PROPOSED HIGH POINT
- PROPOSED STORM DRAIN PIPE
- 81 — EXISTING CONTOUR
- PROPOSED CATCH BASIN PER M.A.G. STANDARD DETAIL 534
- PROPOSED FLOW ARROW
- 07.10 P — PROPOSED PAVEMENT SPOT ELEVATION
- 05.72 G — PROPOSED CATCH BASIN GRATE ELEVATION
- TC=07.06 P=06.62 — EXISTING ELEVATION

DRAINAGE NOTES

1. INSTALL HDPE STORM DRAIN PIPE. BEDDING AND BACKFILL PER MAG 601
3. INSTALL HDPE STORM DRAIN TEE. SIZE TO MATCH ADJOINING PIPES.
4. INSTALL HDPE STORM DRAIN 90° BEND. SIZE TO MATCH ADJOINING PIPES.
5. INSTALL TYPE 'G' CATCH BASIN PER MAG STD DET 537. GRATE SHALL BE SECURED WITH CHAIN.
6. BUILDING ROOF DRAIN AIR BREAK, REF PLUMBING PLANS FOR CONTINUATION.
8. INSTALL DRAINAGE CURB OPENING.
9. INSTALL PARKING LOT DRAINAGE CHANNEL.
10. INSTALL RIP RAP SPILLWAY/APRON
11. CONNECT TO EXISTING STORM DRAIN FOR STORM DRAIN BLEED OFF.
12. INSTALL STORM DRAIN MANHOLE.



KEY MAP

NOTES

1. ADD 1300' TO ALL ELEVATIONS.
2. ADD 0.5' TO PAVEMENT (P) ELEVATIONS FOR TOP OF CURB ELEVATIONS FOR VERTICAL CURBS.
3. ALL SPOT ELEVATIONS ARE FINISHED GRADE PAVEMENT (P), GUTTER/GRATE (G), TOP OF CURB (TC), OR SIDEWALK (SW) ELEVATIONS UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL USE SPOT ELEVATIONS, PROPOSED CONTOURS, AND SLOPES TO ESTABLISH GRADES.
5. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% AND LONGITUDINAL SLOPE SHALL NOT EXCEED 5%.
6. REFER TO LANDSCAPE PLANS FOR SLOPE TREATMENT.
7. ALL FILL SLOPES SHALL BE COMPACTED TO 95% RELATIVE DENSITY.
8. REFER TO BUILDING ARCHITECTURE AND STRUCTURAL PLANS FOR EXACT BUILDING FOUNDATION THICKNESS CHANGES.
9. SEE SHEET GD5 FOR CROSS SECTIONS.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD
GRADING AND DRAINAGE PLAN
MESA, ARIZONA

PROJECT No.	191924005
SCALE (H):	1"=20'
SCALE (V):	NONE
DRAWN BY:	BMW
DESIGN BY:	BMW
CHECK BY:	STM
DATE:	10/05/2015

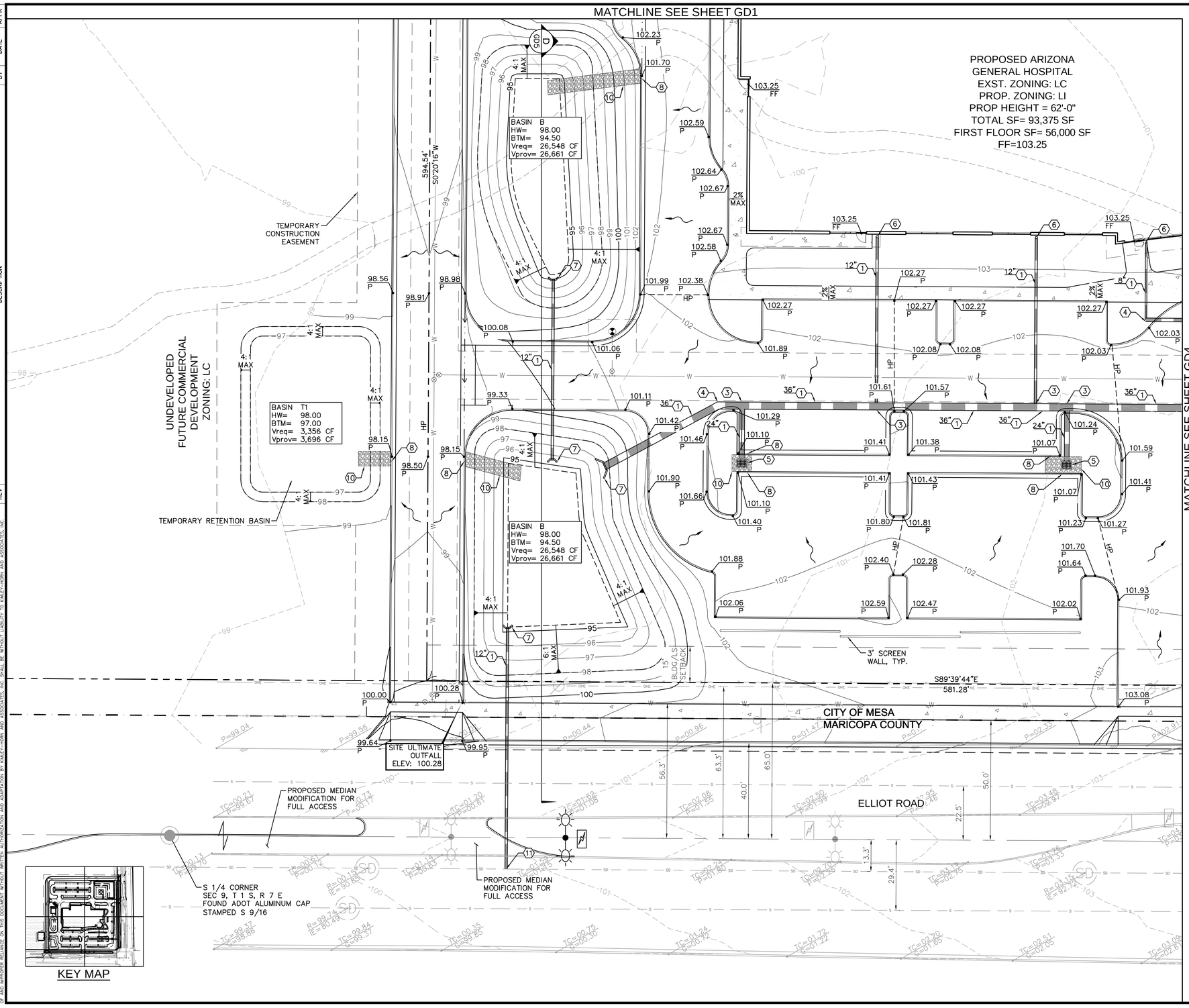
Registered Professional Engineer (Civil)
CERTIFICATE NO. 47183
STERLING MARGETTS
Date Signed 10/05/15
ARIZONA, U.S.A.
Expires 12/31/16

GD.dwg

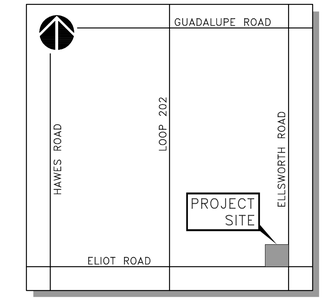
GD2
2 OF 5 SHEETS

REV	DESCRIPTION	BY	DATE	APPR

K:\phx_civil\elliot and ellsworth\C4D\GD.dwg, Layout:GD2 Oct 06, 2015 - 5:04pm bryan.Wright
XREFS: xBM xVP xTB xUT xGD
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIED PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY OR LEGAL EXPOSURE TO KIMLEY-HORN AND ASSOCIATES, INC.



KEY MAP



VICINITY MAP

CITY OF MESA
N.T.S.

GRADING LEGEND

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED HIGH POINT
- PROPOSED STORM DRAIN PIPE
- EXISTING CONTOUR
- PROPOSED CATCH BASIN PER M.A.G. STANDARD DETAIL 534
- PROPOSED FLOW ARROW
- 07.10 P — PROPOSED PAVEMENT SPOT ELEVATION
- 05.72 G — PROPOSED CATCH BASIN GRATE ELEVATION
- TC=07.06 P=06.62 — EXISTING ELEVATION

DRAINAGE NOTES

1. INSTALL HDPE STORM DRAIN PIPE. BEDDING AND BACKFILL PER MAG 601
3. INSTALL HDPE STORM DRAIN TEE. SIZE TO MATCH ADJOINING PIPES.
4. INSTALL HDPE STORM DRAIN 90° BEND. SIZE TO MATCH ADJOINING PIPES.
5. INSTALL TYPE 'G' CATCH BASIN PER MAG STD DET 537. GRATE SHALL BE SECURED WITH CHAIN.
6. BUILDING ROOF DRAIN AIR BREAK, REF PLUMBING PLANS FOR CONTINUATION.
7. INSTALL HEADWALL PER MAG STD DET 501.
8. INSTALL DRAINAGE CURB OPENING.
10. INSTALL RIP RAP SPILLWAY/APRON
11. CONNECT TO EXISTING STORM DRAIN FOR STORM DRAIN BLEED OFF.
12. INSTALL STORM DRAIN MANHOLE.

NOTES

1. ADD 1300' TO ALL ELEVATIONS.
2. ADD 0.5' TO PAVEMENT (P) ELEVATIONS FOR TOP OF CURB ELEVATIONS FOR VERTICAL CURBS.
3. ALL SPOT ELEVATIONS ARE FINISHED GRADE PAVEMENT (P), GUTTER/GRATE (G), TOP OF CURB (TC), OR SIDEWALK (SW) ELEVATIONS UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL USE SPOT ELEVATIONS, PROPOSED CONTOURS, AND SLOPES TO ESTABLISH GRADES.
5. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% AND LONGITUDINAL SLOPE SHALL NOT EXCEED 5%.
6. REFER TO LANDSCAPE PLANS FOR SLOPE TREATMENT.
7. ALL FILL SLOPES SHALL BE COMPACTED TO 95% RELATIVE DENSITY.
8. REFER TO BUILDING ARCHITECTURE AND STRUCTURAL PLANS FOR EXACT BUILDING FOUNDATION THICKNESS CHANGES.
9. SEE SHEET GD5 FOR CROSS SECTIONS.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

REV	DESCRIPTION	BY	DATE	APPR

K:\ency_civil\elliot and ellsworth\CADD\GD.dwg, Layout:GD3 Oct 06, 2015 - 5:04pm bryan.Wright
XREFS: -IBM_VVF_LTB_XUT_XCD
THE DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND COMPENSATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD

GRADING AND DRAINAGE PLAN

MESA, ARIZONA

PROJECT No.	191924005
SCALE (H):	1"=20'
SCALE (V):	NONE
DRAWN BY:	BMW
DESIGN BY:	BMW
CHECK BY:	STM
DATE:	10/05/2015

Registered Professional Engineer (Civil) CERTIFICATE NO. 47183 STERLING MARGETTS Date Signed 10/05/15 ARIZONA, U.S.A. Expires 12/31/16

gd.dwg

GD3
3 OF 5 SHEETS

MATCHLINE SEE SHEET GD2

PROPOSED ARIZONA
GENERAL HOSPITAL
EXST. ZONING: LC
PROP. ZONING: LI
PROP HEIGHT = 62'-0"
TOTAL SF= 93,375 SF
FIRST FLOOR SF= 56,000 SF
FF=103.25

MATCHLINE SEE SHEET GD3

ELLSWORTH ROAD

ELLIOT ROAD

CITY OF MESA
MARICOPA COUNTY

UNDEVELOPED
EL COYOTE LLC
APN: 304-04-923
ZONING: LC

3' SCREEN WALL, TYP.

PROPOSED MONUMENT SIGN

SRP OVERHEAD POWER SETUP AREA

RELOCATED CATCH BASIN

PROP. 75.0' R/W

EX. 65.0' R/W

49.5' CL-FC

59.5' CL-SW

6.0' SW

15' BLDG/LS SETBACK

S89°39'44"E
581.28'

N0°51'48"W
554.20'

N0°51'48"W
553.99'

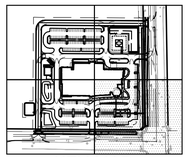
N44°44'14"E
20.99'

SE CORNER
SEC 9, T 1 S, R 7 E
FOUND MCDOT BRASS CAP
IN A HAND HOLE
STAMPED S9/10/15/16

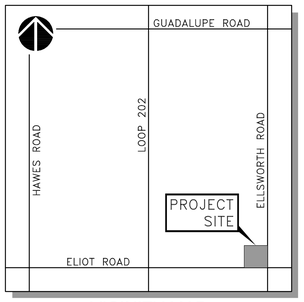
NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)



KEY MAP



VICINITY MAP
CITY OF MESA
N.T.S.

GRADING LEGEND

	PROPERTY LINE
	EXISTING EASEMENT LINE
HP	PROPOSED HIGH POINT
	PROPOSED STORM DRAIN PIPE
81	EXISTING CONTOUR
	PROPOSED CATCH BASIN PER M.A.G. STANDARD DETAIL 534
	PROPOSED FLOW ARROW
07.10 P	PROPOSED PAVEMENT SPOT ELEVATION
05.72 G	PROPOSED CATCH BASIN GRATE ELEVATION
TC=07.06 P=06.62	EXISTING ELEVATION

DRAINAGE NOTES

1. INSTALL HDPE STORM DRAIN PIPE. BEDDING AND BACKFILL PER MAG 601
2. INSTALL TYPE 'E' CATCH BASIN PER MAG STD DET 534. GRATE SHALL BE SECURED WITH CHAIN.
3. INSTALL HDPE STORM DRAIN TEE. SIZE TO MATCH ADJOINING PIPES.
4. INSTALL HDPE STORM DRAIN 90° BEND. SIZE TO MATCH ADJOINING PIPES.
5. INSTALL TYPE 'G' CATCH BASIN PER MAG STD DET 537. GRATE SHALL BE SECURED WITH CHAIN.
6. BUILDING ROOF DRAIN AIR BREAK, REF PLUMBING PLANS FOR CONTINUATION.
8. INSTALL DRAINAGE CURB OPENING.
9. INSTALL PARKING LOT DRAINAGE CHANNEL.
10. INSTALL RIP RAP SPILLWAY/APRON
12. INSTALL STORM DRAIN MANHOLE.

NOTES

1. ADD 1300' TO ALL ELEVATIONS.
2. ADD 0.5' TO PAVEMENT (P) ELEVATIONS FOR TOP OF CURB ELEVATIONS FOR VERTICAL CURBS.
3. ALL SPOT ELEVATIONS ARE FINISHED GRADE PAVEMENT (P), GUTTER/GRATE (G), TOP OF CURB (TC), OR SIDEWALK (SW) ELEVATIONS UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL USE SPOT ELEVATIONS, PROPOSED CONTOURS, AND SLOPES TO ESTABLISH GRADES.
5. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% AND LONGITUDINAL SLOPE SHALL NOT EXCEED 5%.
6. REFER TO LANDSCAPE PLANS FOR SLOPE TREATMENT.
7. ALL FILL SLOPES SHALL BE COMPACTED TO 95% RELATIVE DENSITY.
8. REFER TO BUILDING ARCHITECTURE AND STRUCTURAL PLANS FOR EXACT BUILDING FOUNDATION THICKNESS CHANGES.
9. SEE SHEET GD5 FOR CROSS SECTIONS.

REV	DESCRIPTION	BY	DATE	APPR

K:\scv_civil\ellis and elsworth\CADD\GD.dwg, Layout:GD4 Oct 06, 2015 - 5:04pm bryan.Wright
XREFS: xBW xVF xTB xUT xGD
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC. REUSE PREPARED

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

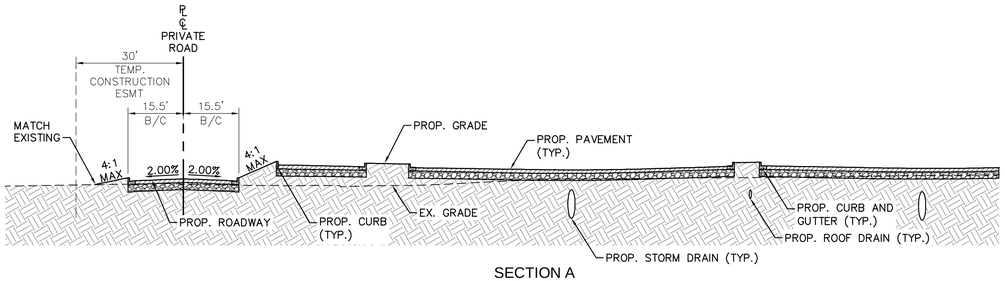
NWC OF ELLIOT ROAD AND ELLSWORTH ROAD
GRADING AND DRAINAGE PLAN
MESA, ARIZONA

PROJECT No.	191924005
SCALE (H):	1"=20'
SCALE (V):	NONE
DRAWN BY:	BMW
DESIGN BY:	BMW
CHECK BY:	STM
DATE:	10/05/2015

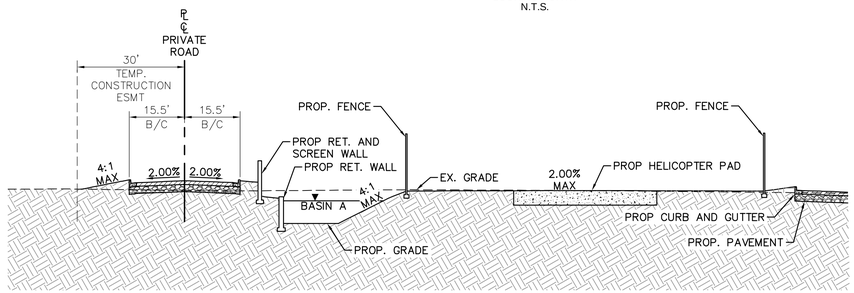
Registered Professional Engineer (Civil)
CERTIFICATE NO. 47183
STERLING MARGETTS
Date Signed 10/06/15
ARIZONA, U.S.A.
Expires 12/31/16

GD.dwg

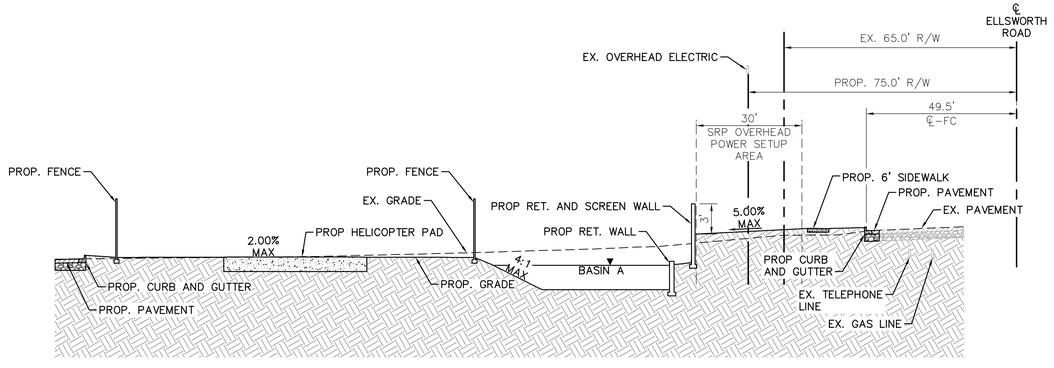
GD4
4 OF 5 SHEETS



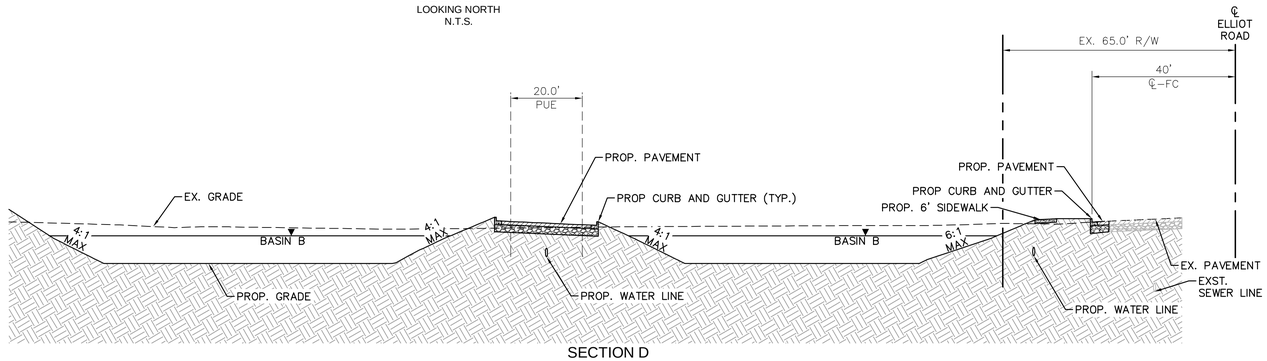
SECTION A
LOOKING NORTH
N.T.S.



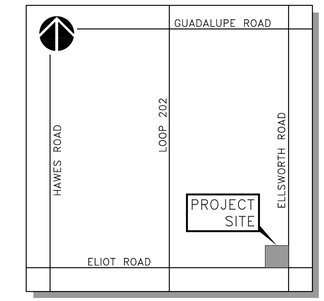
SECTION B
LOOKING EAST
N.T.S.



SECTION C
LOOKING NORTH
N.T.S.



SECTION D
LOOKING EAST
N.T.S.



VICINITY MAP
CITY OF MESA
N.T.S.

NORTH

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD

CROSS SECTIONS

MESA, ARIZONA

PROJECT No.	191924005
SCALE (H):	NONE
SCALE (V):	NONE
DRAWN BY:	BMW
DESIGN BY:	BMW
CHECK BY:	STM
DATE:	10/05/2015

Registered Professional Engineer (Civil)
CERTIFICATE NO. 47183
STERLING MARGETTS
Date Signed 10/05/15
ARIZONA, U.S.A.
Expires 12/31/16

XS.dwg

GD5
5 OF 5 SHEETS

REV	DESCRIPTION	BY	DATE	APPR

K:\ariz-civil\elliot and ellsworth\CADD\XS.dwg, Layout:XS1 Oct 06, 2015 - 5:05pm bryan.Wright
XREFS: xBM xVF xTB xLT xGD

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE AT OWNER'S SOLE RISK AND WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

REV	DESCRIPTION	BY	DATE	APPR

UNDEVELOPED
FUTURE COMMERCIAL
DEVELOPMENT
ZONING: LC

583.81'
N89°39'44"W

N89°08'12"E
10.00'

EX. SS MH
RIM: 106.56
INV(S): 86.24

E 1/4 CORNER
SEC 9, T 1 S, R 7 E
FOUND BRASS CAP
IN A HAND HOLE
STAMPED S9/10

PROP. TERRACED
RETAINING/SCREEN
WALLS

PROP
TEMPORARY
CONSTRUCTION
EASEMENT

PROP
STORM
DRAIN, TYP.

PROP.
HELI-PAD

PROP.
RETENTION
AREA

PROP. 75.0' R/W
EX. 65.0' R/W

SRP
STAGING
AREA,
TYP.

15'
BLDG/LS
SETBACK

CONNECT
TO EXISTING
16" ACP
WATER MAIN

PROP IRRIGATION
METER AND BFP

PROP WATER
METER AND SERVICE
(2-4")

PROP FIRE
HYDRANT

PROP 8" PUBLIC
WATER MAIN

PROP SEWER
CLEANOUT
INV: 91.81

PROP SEWER
CLEANOUT
INV: 90.71

PROP FIRE
HYDRANT

20'
PROP.
P.U.E.

UNDEVELOPED
EL COYOTE LLC
APN: 304-04-923
ZONING: LC

PROP SS MH
CONNECT TO EX.
INV: 85.49 (N,S)
INV: 88.99 (W)

PROP SEWER
CLEANOUT
INV: 92.46

PROP SEWER SERVICE
BUILDING CONNECTION
WITH SEWER BACK
WATER VALVE
INV: 92.70

PROP 8" SANITARY
SEWER @1.1%

PROP SEWER
CLEANOUT
INV: 89.61

SRP
POWER
POLE

40.8'
75.0'
31.1'
55.1'

PROP. MECH
YARD

594.54'
S0°20'16"W

PROP 8" PUBLIC
WATER MAIN

PROP 8"
FIRE LINE

PROPOSED ARIZONA
GENERAL HOSPITAL
EXST. ZONING: LC
PROP. ZONING: LI
PROP HEIGHT = 62'-0"
TOTAL SF= 93,375 SF
FIRST FLOOR SF= 56,000 SF
FF=103.25

FLUSH
CURB

AMBULANCE
ENTRANCE

N0°51'48"W
553.99'

EX. SS MH
RIM:105.84
INV: 93.34

29.6'
23.7'

N0°51'48"W
579.67'

UNDEVELOPED
FUTURE COMMERCIAL
DEVELOPMENT
ZONING: LC

PROP.
RETENTION
AREA

EMERGENCY
ENTRANCE

MAIN BLDG
ENTRANCE

OUTPATIENT
ENTRANCE

PROP ROOF DRAIN
LEADERS, TYP.

PROP 8" PUBLIC
WATER MAIN

ELLSWORTH ROAD

14.6'

PROP FIRE
HYDRANT

PROP 8" PUBLIC
WATER MAIN

PROP.
RETENTION
AREA

SRP 69KV
OVERHEAD
POWER TO
REMAIN

PROP FIRE
HYDRANT

PROP. 75.0' R/W
EX. 65.0' R/W
49.5' CL-FC
59.5' CL-SW
6.0' SW

PROP
STORM
DRAIN, TYP.

PROP.
RETENTION
AREA

PROP.
MONUMENT
SIGN

3' SCREEN
WALL TYP.

15'
BLDG/LS
SETBACK

EX. 16" ACP
WATER MAIN

PROP 12" PUBLIC
WATER MAIN

S89°39'44"E
581.28'

EX. 12" DIP
WATER MAIN

N44°44'14"E
20.99'

EX. SS MH
RIM: 105.93
INV: 89.27

N44°44'14"E
20.99'

CITY OF MESA
MARICOPA COUNTY

SRP 12KV
OVERHEAD
POWER TO BE
REMOVED

PROP 12" PUBLIC
WATER MAIN

ELLIOT ROAD

22.5'
56.0'
40.0'
CL-FC
50.0'
CL-SW
EX. 65.5' R/W
13.1'
33.2'

EX. SS MH
RIM: 105.631
INV(E): 88.63
INV(N,S): 84.19

EXISTING
SIGNALIZED
INTERSECTION

EX. SS MH
RIM: 105.92
INV: 87.70

EX. SS MH
RIM: 104.81
INV(EW): 83.86

S 1/4 CORNER
SEC 9, T 1 S, R 7 E
FOUND ADOT ALUMINUM CAP
STAMPED S 9/16

SE CORNER
SEC 9, T 1 S, R 7 E
FOUND MCDOT BRASS CAP
IN A HAND HOLE
STAMPED S9/10/15/16

UNDEVELOPED
STATE TRUST LAND

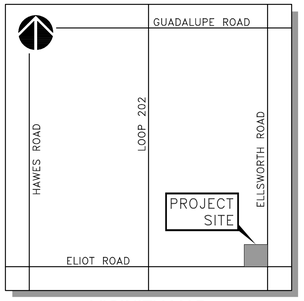
EX. SS MH
RIM: 104.62
INV: 91.90

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

NOTE: ADD 1300 TO ALL ELEVATIONS.

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)



VICINITY MAP
CITY OF MESA
N.T.S.

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY LINE
- W — PROPOSED WATER LINE
- S — PROPOSED SANITARY SEWER
- PROPOSED STORM DRAIN
- EXISTING TELEPHONE ROUTING
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- PROPOSED TEE
- PROPOSED WATER METER
- PROPOSED BACKFLOW PREVENTOR
- PROPOSED CONNETION TO EXISTING STUB
- PROPOSED TAPPING SLEEVE
- PROPOSED BACKWATER VALVE IN HANDHOLE
- PROPOSED SEWER CLEANOUT
- PROPOSED SEWER MANHOLE
- PROPOSED HEADWALL DRAINAGE STRUCTURE
- PROPOSED SLOPE PROTECTION, ANGULAR RIP RAP
- PROPOSED SITE LIGHTING

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD
PRELIMINARY OVERALL UTILITY PLAN
MESA, ARIZONA

PROJECT No.	191924005
SCALE (H):	1"=40'
SCALE (V):	NONE
DRAWN BY:	BMW
DESIGN BY:	BMW
CHECK BY:	STM
DATE:	10/05/2015

Registered Professional Engineer (Civil)
CERTIFICATE NO. 47183
STERLING MARGETTS
Date Signed 10/05/15
ARIZONA, U.S.A.
Expires 12/31/16

UT.dwg

UT1
01 OF 01 SHEETS

K:\hmc-civil\ellsit and ellsworth\CADD\UT.dwg, Layout:UT Oct 06, 2015 - 5:05pm bryan.Wright
XREFS: XBM XTB XVF XUT XCD XEL
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME / COMMON NAME	PLANTING SIZE	CAL	SIZE
	6	ACACIA SMALLII / SWEET ACACIA	36" BOX	1.75" CAL MIN	8` HT MIN
	1	BAUHINIA X BLAKEANA / HONG KONG ORCHID TREE	36" BOX	2" CAL MIN	10`-16` HT VARIES
	13	CAESALPINIA CACALACO `SMOOTHIE` TM / CASCALOTE	24" BOX	1" CAL MIN	5` HT MIN
	36	CHILOPSIS LINEARIS `AZT DESERT AMETHYST` / DESERT WILLOW	24" BOX	1" CAL MIN	5` HT MIN
	13	EBENOPSIS EBANO / TEXAS EBONY	24" BOX	1" CAL MIN	5` HT MIN
	26	EUCALYPTUS PAPUANA / GHOST GUM	24" BOX	1" CAL MIN	7` HT MIN
	29	LYSILOMA WATSONII / FEATHER TREE	24" BOX	MULTI-TRUNK	5` HT MIN
	21	OLNEYA TESOTA / DESERT IRONWOOD	15 GAL	MULTI-TRUNK	3- STEM MIN
	31	PARKINSONIA PRAECOX / PALO VERDE	36" BOX	1.75" CAL MIN	8` HT MIN
	35	PROSOPIS X `PHOENIX` TM / HYBRID MESQUITE	24" BOX	1.25" CAL MIN	5` HT MIN

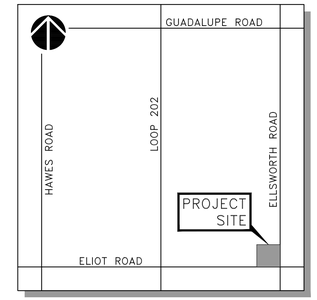
GRASSES & ACCENTS	QTY	BOTANICAL NAME / COMMON NAME	CONT
	57	AGAVE AMERICANA / CENTURY PLANT	5 GAL
	29	AGAVE AMERICANA `MEDIOPICTA` / CENTURY PLANT	5 GAL
	11	AGAVE DESMETTIANA `VARIEGATA` / VARIEGATED AGAVE	5 GAL
	20	AGAVE SISALANA / SISAL HEMP	5 GAL
	2	CARNEGIEA GIGANTEA / SAGUARO	4` TALL
	57	CORTADERIA SELLOANA `PUMILA` / DWARF PAMPAS GRASS	5 GAL
	8	DASYLIRION QUADRANGULATUM / MEXICAN GRASS TREE	5 GAL
	16	FOUQUIERIA SPLENDENS / OCOTILLO	15 GAL
	34	HESPERALOE FUNIFERA / NEW MEXICO FALSE YUCCA	5 GAL
	42	HESPERALOE PARVIFLORA `BRAKELIGHTS` TM / BRAKELIGHTS RED YUCCA	5 GAL
	11	LOPHOCEREUS SCHOTTII MONSTROSUS / TOTEM POLE CACTUS	15 GAL
	145	MUHLENBERGIA CAPILLARIS `REGAL MIST` TM / MUHLY	5 GAL
	22	PEDILANTHUS MACROCARPUS / SLIPPER	5 GAL
	21	SPOROBOLUS WRIGHTII `WINDBREAKER` / GIANT SACATON	5 GAL
	4	STRELITZIA REGINAE / BIRD OF PARADISE	15 GAL
	8	YUCCA ALOIFOLIA `VARIEGATA` / VARIEGATED SPANISH BAYONET	15 GAL
	2	YUCCA FAXONIANA / EVE`S NEEDLE	25 GAL
	105	YUCCA RUPICOLA / TEXAS YUCCA	5 GAL

SHRUBS & GROUNDCOVER	QTY	BOTANICAL NAME / COMMON NAME	CONT
	23	CAESALPINIA MEXICANA / MEXICAN BIRD OF PARADISE	5 GAL
	13	CORDIA BOISSIERI / TEXAS OLIVE	5 GAL
	204	DALEA CAPITATA `SIERRA GOLD` TM / SIERRA GOLD DALEA	5 GAL
	16	DODONAEA VISCOSA / HOPSEED BUSH	15 GAL
	20	DODONAEA VISCOSA `PURPUREA` / PURPLE LEAFED HOPSEED BUSH	15 GAL
	177	EREMOPHILA GLABRA `MINGENEW GOLD` / EMU BUSH	5 GAL
	78	EREMOPHILA HYGROPHANA / EMU BUSH	5 GAL
	87	LANTANA MONTEVIDENSIS `PURPLE` / TRAILING LANTANA	5 GAL
	137	LANTANA X `NEW GOLD` / NEW GOLD LANTANA	5 GAL
	19	LARREA TRIDENTATA / CREOSOTE BUSH	15 GAL
	117	LEUCOPHYLLUM LANGMANIAE `LYNN`S LEGACY` / LYNN`S LEGACY SAGE	5 GAL
	52	ROSMARINUS OFFICINALIS `HUNTINGTON CARPET` / HUNTINGTON CARPET ROSEMARY	5 GAL
	7	SOPHORA SECUNDIFLORA / TEXAS MOUNTAIN LAUREL	5 GAL

INERT MATERIALS	QTY	DESCRIPTION	SIZE
	14	1` BOULDER / COLOR: EXPRESS GOLD	1` DIA
	7	3` BOULDER / COLOR: EXPRESS GOLD	3` DIA

DECOMPOSED GRANITE	QTY	DESCRIPTION	SIZE
	143,164 SF	SIZE: 1/2" SCREENED / COLOR: EXPRESS BROWN	1/2" SCREENED
	8,159 SF	SIZE: 3-8" RIP RAP / COLOR: EXPRESS BROWN	3-8"

CITY OF MESA REQUIREMENTS	REQUIRED	PROVIDED
PERIMETER LANDSCAPING: EAST PERIMETER Arterial Street: 1 Tree/25 LF, 6 Shrubs/25 LF	595 LF = 24 Trees / 144 Shrubs 24 Trees = Min. Six (6) 36" Box Trees	24 Trees / 143 Shrubs + 128 Shrubs in ROW Six (6) 36" Box Trees
SOUTH PERIMETER Arterial Street: 1 Tree/25 LF, 6 Shrubs/25 LF	596 LF = 24 Trees / 144 Shrubs 24 Trees = Min. Six (6) 36" Box Trees	24 Trees / 144 Shrubs + 79 Shrubs in ROW Six (6) 36" Box Trees
WEST PERIMETER: Private Local Street: 1 Tree/25 LF, 4 Shrubs/24 LF	595 LF = 24 Trees / 96 Shrubs 24 Trees = Min. Six (6) 36" Box Trees	24 Trees / 96 Shrubs Six (6) 36" Box Trees
NORTH PERIMETER: Private Local Street: 1 Tree/25 LF, 4 Shrubs/24 LF	584 LF = 24 Trees / 96 Shrubs 24 Trees = Min. Six (6) 36" Box Trees	24 Trees / 103 Shrubs Six (6) 36" Box Trees
INTERIOR PARKING LOT: PARKING ISLANDS 1 Shade Trees & 3 Shrubs / Parking Island 6 shade Trees & 6 Shrubs / 8 Parking Spaces Min. 10% parking lot trees = 36-inch box size, remaining 24-inch box size.	43 Parking Islands = 43 Trees / 129 Shrubs 235 Parking Spaces = 30 Trees / 177 Shrubs 73 Trees Total = Min. Eight (8) 36" Box Trees	43 Trees / 129 Shrubs 30 Trees / 205 Shrubs Eight (8) 36" Box Trees, Remaining 24" Box Trees
FOUNDATION BASE: Exterior Walls with Public Entrances: 1 Tree / 50 LF 10% Min. @ 36" Box, remaining @ 24" Box Landscape Area = 33% min. of adjacent wall	East Side of Building: 199 LF = 4 Trees Min. 1 Tree @ 36" Box 66 LF of landscape South Side of Building: 346 LF = 7 Trees Min. 1 Tree @ 36" Box 115 LF of landscape West Side of Building: 199 LF = 4 Trees Min. 1 Tree @ 36" Box 66 LF of landscape North Side of Building: 346 LF = 4 Trees Min. 1 Tree @ 36" Box 115 LF of landscape	4 Trees 1 Tree @ 36" Box 113 LF of landscape 7 Trees 4 Tree @ 36" Box 312 LF of landscape 4 Trees 1 Tree @ 36" Box 130 LF of landscape 4 Trees 1 Tree @ 36" Box 124 LF of landscape



VICINITY MAP
CITY OF MESA
N.T.S.

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD
LANDSCAPE COVER
MESA, ARIZONA

PROJECT No. 191924005
SCALE (H):N/A
SCALE (V):NONE
DRAWN BY: JAW
DESIGN BY:JAW
CHECK BY:BAS
DATE: 10/05/2015

REGISTERED LANDSCAPE ARCHITECT
45445
BRIAN SAGER
Date Signed 10/06/2015
ARIZONA, U.S.A.
Expires 12/31/2015

LS.dwg

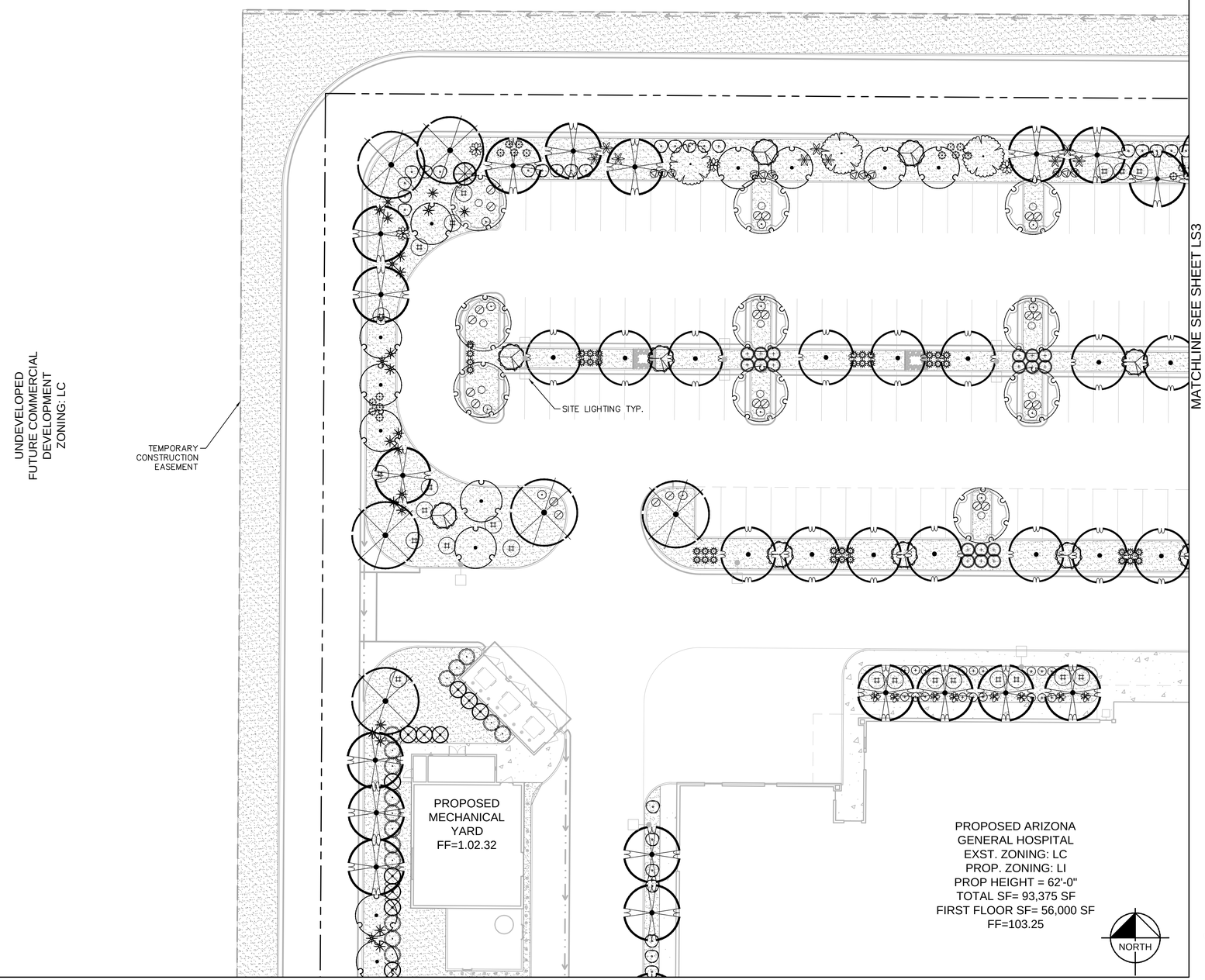
LS1
1 OF 5 SHEETS

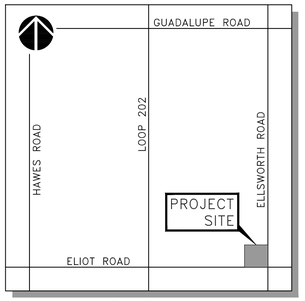
APPR	DATE	BY	DESCRIPTION	REV

K:\esv_civil\elliot and ellsworth\CADD\LS.dwg, Layout:LSCV Oct 06, 2015 - 5:31pm bryan.Wright
XREFS: xVF xTB xLS xBM xEL

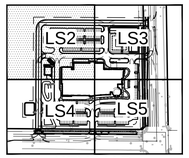
THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

REV	DESCRIPTION	BY	DATE	APPR





VICINITY MAP
CITY OF MESA
N.T.S.



KEY MAP

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD

LANDSCAPE PLAN

MESA, ARIZONA

PROJECT No. 191924005
SCALE (H): 1"=20'
SCALE (V): NONE
DRAWN BY: JAW
DESIGN BY: JAW
CHECK BY: BAS
DATE: 10/05/2015

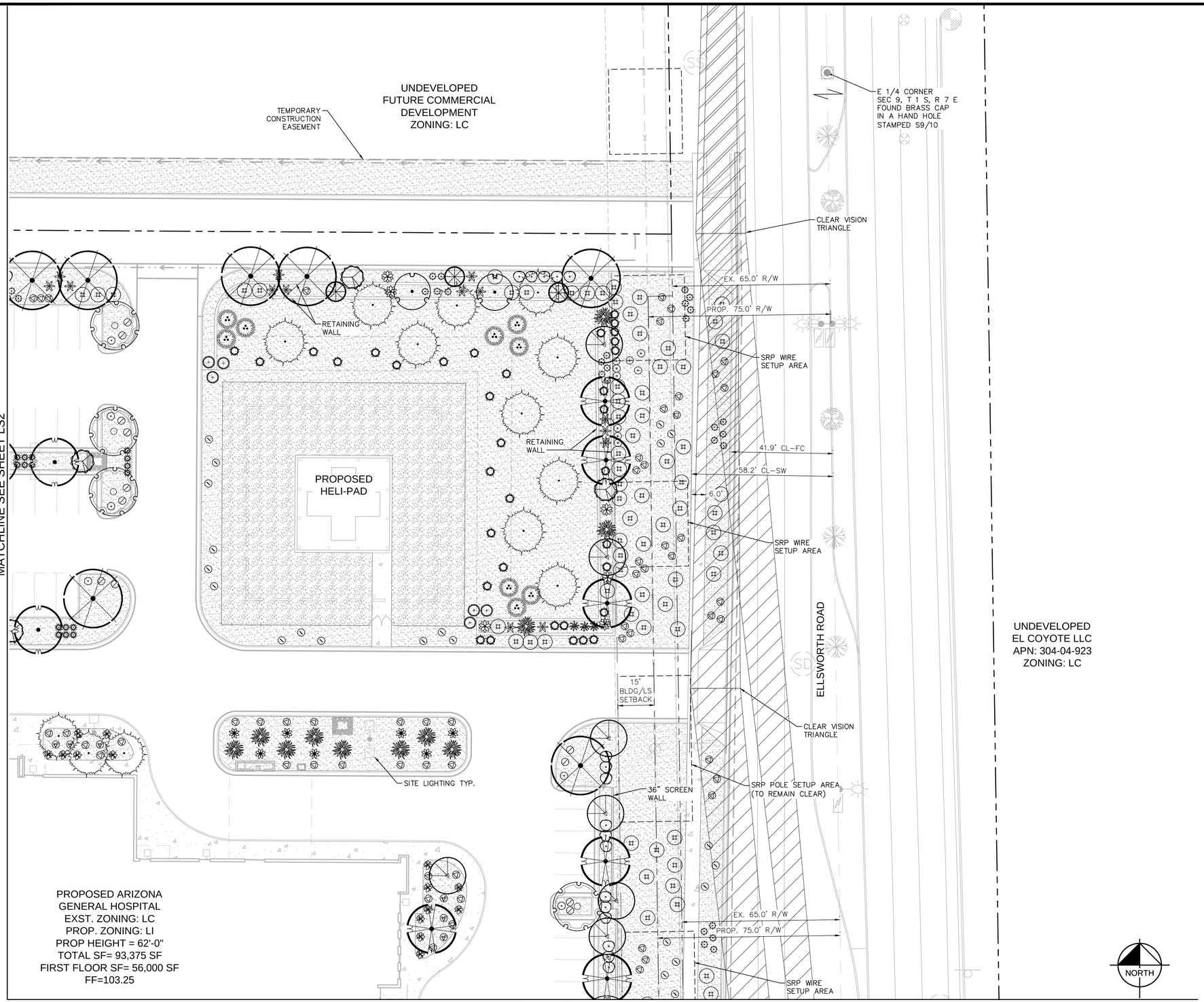
REGISTERED LANDSCAPE ARCHITECT
40445
BRIAN SADER
Date Signed 10/05/2015
ARIZONA, U.S.A.
Expires 12/31/2015

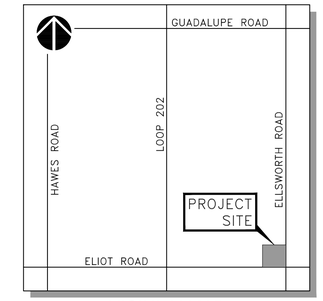
LS.dwg

LS2
2 OF 5 SHEETS

K:\mav_civil\elliot and ellsworth\CADD\LS.dwg, Layout:LS1 Oct 06, 2015 - 5:32pm bryan.Wright
THE INDIVIDUAL PLANS, SPECIFICATIONS, REPORTS, CALCULATIONS, DESIGNS, CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

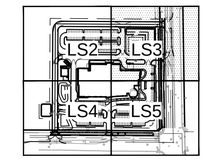
REV	DESCRIPTION	BY	DATE	APPR





VICINITY MAP

CITY OF MESA
N.T.S.



KEY MAP

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

602-263-1100
1-800-STAKE-IT

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD

LANDSCAPE PLAN

MESA, ARIZONA

PROJECT No. 191924005
SCALE (H): 1"=20'
SCALE (V): NONE
DRAWN BY: JAW
DESIGN BY: JAW
CHECK BY: BAS
DATE: 10/05/2015

40445 BRIAN SAGER
Date Signed/Sealed
ARIZONA, U.S.A.
Expires 12/31/2015

LS.dwg

LS3
3 OF 5 SHEETS

K:\eav_civil\elliot and ellsworth\CADD\LS.dwg, Layout:LS2 Oct 06, 2015 - 5:32pm bryan.Wright
THIS DOCUMENT, THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

MATCHLINE SEE SHEET LS2

PROPOSED ARIZONA
GENERAL HOSPITAL
EXST. ZONING: LC
PROP. ZONING: LI
PROP HEIGHT = 62'-0"
TOTAL SF= 93,375 SF
FIRST FLOOR SF= 56,000 SF
FF=103.25

TEMPORARY CONSTRUCTION EASEMENT

UNDEVELOPED
FUTURE COMMERCIAL
DEVELOPMENT
ZONING: LC

TEMPORARY RETENTION BASIN

SITE LIGHTING TYP.

36" SCREEN WALL

15' BLDG/LS SETBACK

CITY OF MESA
MARICOPA COUNTY

CLEAR VISION TRIANGLE

63.3'

40.0'

65.0'

50.0'

ELLIOT ROAD

CLEAR VISION TRIANGLE

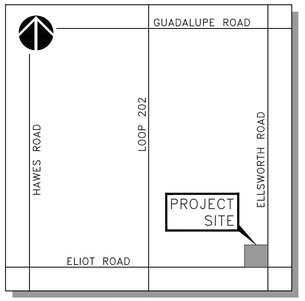
S 1/4 CORNER
SEC 9, T 1 S, R 7 E
FOUND ADOT ALUMINUM CAP
STAMPED S 9/16

MATCHLINE SEE SHEET LS5

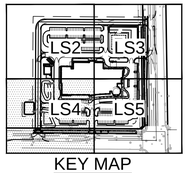
NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(ARIZONA BLUE STAKE, INC.)



VICINITY MAP
CITY OF MESA
N.T.S.



KEY MAP

Kimley»Horn

© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD

LANDSCAPE PLAN

MESA, ARIZONA

PROJECT No.	191924005
SCALE (H):	1"=20'
SCALE (V):	NONE
DRAWN BY:	JAW
DESIGN BY:	JAW
CHECK BY:	BAS
DATE:	10/05/2015

45445
BRIAN
SAGER
Date Signed 10/05/15
ARIZONA, U.S.A.
Expires 12/31/2015

LS.dwg

LS4
4 OF 5 SHEETS

REV	DESCRIPTION	BY	DATE	APPR

K:\peo_civil\elliot and ellsworth\CADD\LS.dwg, Layout:LS3 Oct 06, 2015 - 5:32pm bryan.Wright
WHEN, IF REUSED OR MODIFIED, THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC. OR AND WITHOUT RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC.

MATCHLINE SEE SHEET LS3

PROPOSED ARIZONA
GENERAL HOSPITAL
EXST. ZONING: LC
PROP. ZONING: LI
PROP HEIGHT = 62'-0"
TOTAL SF= 93,375 SF
FIRST FLOOR SF= 56,000 SF
FF=103.25

SAGUARO
4' TALL

36" SCREEN
WALL

CLEAR VISION
TRIANGLE

SRP WIRE
SETUP AREA

ELLSWORTH ROAD

UNDEVELOPED
EL COYOTE LLC
APN: 304-04-923
ZONING: LC

SITE LIGHTING TYP.

PROP. 75.0' R/W

EX. 65.0' R/W

49.5' CL-FC

59.5' CL-SW

6.0' SW

MONUMENT SIGN

36" SCREEN
WALL

15'
BLDG/LS
SETBACK

SRP POLE SETUP AREA
(TO REMAIN CLEAR)

SAGUARO
4' TALL

CITY OF MESA
MARICOPA COUNTY

CLEAR VISION
TRIANGLE

ELLIOT ROAD

40.0'
CL-FC

50.0'
CL-SW

EX. 65.5' R/W

SE CORNER
SEC 9, T 1 S, R 7 E
FOUND MCDOT BRASS CAP
IN A HAND HOLE
STAMPED S9/10/15/16

MATCHLINE SEE SHEET LS4

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

CALL TWO WORKS DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

GUADALUPE ROAD
HAWES ROAD
LOOP 202
ELLSWORTH ROAD
PROJECT SITE
ELIOT ROAD

VICINITY MAP
CITY OF MESA
N.T.S.

LS2 LS3
LS4 LS5

KEY MAP

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1855 West Baseline Road, Suite 200
Mesa, Arizona 85202 (480) 207-2666

Adeptus HEALTH

NWC OF ELLIOT ROAD AND ELLSWORTH ROAD

LANDSCAPE PLAN

MESA, ARIZONA

PROJECT No.	191924005
SCALE (H):	1"=20'
SCALE (V):	NONE
DRAWN BY:	JAW
DESIGN BY:	JAW
CHECK BY:	BAS
DATE:	10/05/2015

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
40445
BRIAN SAGER
Date Signed 10/05/15
ARIZONA, U.S.A.
Expires 12/31/2015

LS.dwg

LS5
5 OF 5 SHEETS

REV	DESCRIPTION	BY	DATE	APPR

K:\peav_civil\elliot and ellsworth\CADD\LS.dwg, Layout:LS4 Oct 06, 2015 - 5:32pm bryan.Wright
XREFS: xVF xTB xLS xBM xEL
THIS DRAWING AND THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

Ascension Group
Architects LLP

Architecture
Planning
Interior Design

1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH
PMRG | PM Realty Group

DESIGN REVIEW

DIGNITY HEALTH ARIZONA GENERAL HOSPITAL

Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

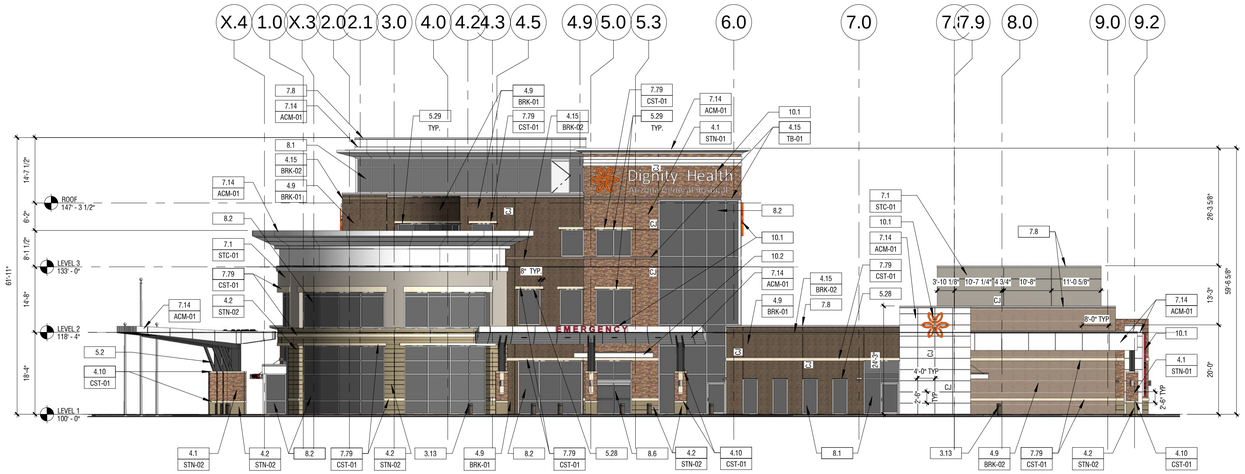
REGISTERED ARCHITECT
CERTIFICATE NO. 40113
BOOZE
ARIZONA U.S.A.
10-06-2015

Revisions:

Drawn By: Author
Checked By: Checker
Issue Date: OCTOBER 6, 2015
Project No: 14-115

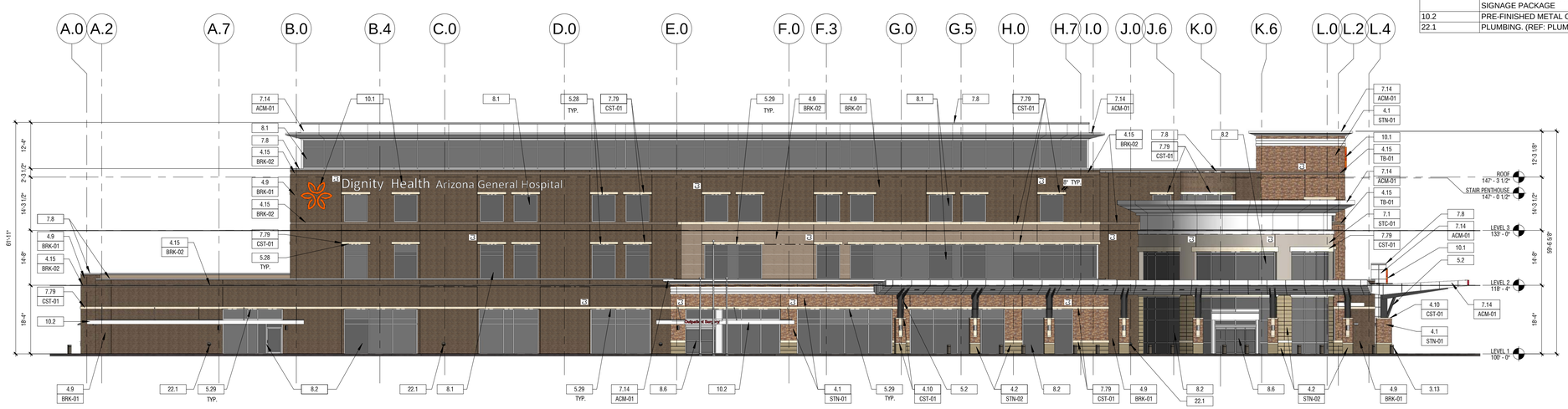
Sheet No:

A3.00
EXTERIOR RENDERINGS



02 EAST EXTERIOR ELEVATION - EMERGENCY ENTRANCE

A3.10 SCALE: 1/16" = 1'-0"



01 SOUTH EXTERIOR ELEVATION - MAIN ENTRANCE

A3.10 SCALE: 1/16" = 1'-0"

EXTERIOR MATERIAL GENERAL NOTES

1. CONTROL JOINTS ARE TO BE PROVIDED CONSISTENT WITH BUILDING ELEVATIONS. MAXIMUM PORTLAND CEMENT STUCCO PANEL SIZE SHALL NOT EXCEED 144 SQ. FT. FROM CONTROL JOINT TO CONTROL JOINT(S) AT ANY EXTERIOR LOCATION. PROVIDE VERTICAL PROPRIETARY REVEAL AT THE CORNER OF A CHANGE IN PORTLAND CEMENT STUCCO COLOR. REF. ELEV.
2. MASONRY EXPANSION AND CONTROL JOINTS ARE TO BE PROVIDED PER MANUFACTURER AND TRADE INDUSTRY STANDARDS
3. MATCH MORTAR COLOR
4. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM THE ARCHITECT
5. IDENTIFIED DIMENSIONS ARE TO ROUGH OPENINGS. GC TO FIELD VERIFY ALL OPENINGS AND ADJUST FRAMING DIMENSIONS TO ACCOMODATE NOTED JOINT WIDTHS
6. REFERENCE SPECIFICATIONS FOR EXTERIOR MATERIAL FINISH AND COLORS

EXTERIOR MATERIAL COLOR LEGEND

- STONE STN-01
- ACCENT STONE BASE STN-02
- CAST STONE - ACCENT BANDING CST-01
- STUCCO ACCENT STC-01
- BRICK BRK-01
- BRICK BRK-02
- THIN VENEER BRICK TB-01
- CMU CMU-01
- ALUM. COMPOSITE METAL PANEL AND CORNICE CAP ACM-01
- PREFINISHED METAL PANEL SYSTEM MTL-01
- PREFINISHED METAL PANEL SYSTEM MTL-02
- GLAZING - VISION GLASS GL-01
- GLAZING - SPANDREL GLASS GL-02
- STEEL SHELF ANGLE, RE: STRUCTURAL BRICK DEFLECTION JOINT
- STEEL LINTEL RE: STRUCTURAL

KEYNOTE LEGEND

#	DESCRIPTION
3.13	PRECAST CONCRETE BOLLARDS
4.1	SURFACE APPLIED THIN CLAD MASONRY VENEER - ROUGH FACE
4.2	SURFACE APPLIED THIN CLAD MASONRY VENEER - SMOOTH FACE
4.9	BRICK MASONRY VENEER - RUNNING BOND
4.10	SMOOTH-FACE CAST STONE LINTEL / CAP
4.15	BRICK MASONRY VENEER - SOLDIER COURSE
5.2	EXPOSED STEEL FRAMING (REF. STRUCT DWGS) W/ TNEMIC HIGH PERFORMANCE COATING
5.28	STEEL LINTEL (REF. STRUCT DWGS)
5.29	STEEL SHELF ANGLE (REF. STRUCT DWGS)
7.1	CEMENT PLASTER WALL SYSTEM
7.8	PREFINISHED METAL COPING WITH ANCHOR CLIPS BOTH SIDES
7.14	PREFINISHED ALUM. COMPOSITE METAL PANELS - DRY ROUTE AND RETURN SYSTEM
7.79	CUSTOM EPS FOAM SHAPE WITH SLOPED SURFACES WITH ATTACHED STUCCO, FASTENED TO SUBSTRATE
8.1	ALUMINUM STOREFRONT SYSTEM
8.2	ALUMINUM CURTAINWALL SYSTEM
8.6	AUTOMATIC ALUMINUM DOOR SYSTEM
10.1	LIGHTED EXTERIOR BUILDING SIGNAGE BY OWNER'S SIGNAGE VENDOR - G.C. TO COORDINATE LENGTH AND HEIGHT OF SIGNAGE RACEWAY WITH FINAL VENDOR SIGNAGE PACKAGE
10.2	PRE-FINISHED METAL CANOPY SYSTEM
22.1	PLUMBING. (REF: PLUMBING DWGS)

Ascension Group Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH | PMRG | PM Realty Group

DESIGN REVIEW

DIGNITY HEALTH
ARIZONA GENERAL HOSPITAL
Elliot Rd. and Ellsworth Rd. Mesa, AZ 85212

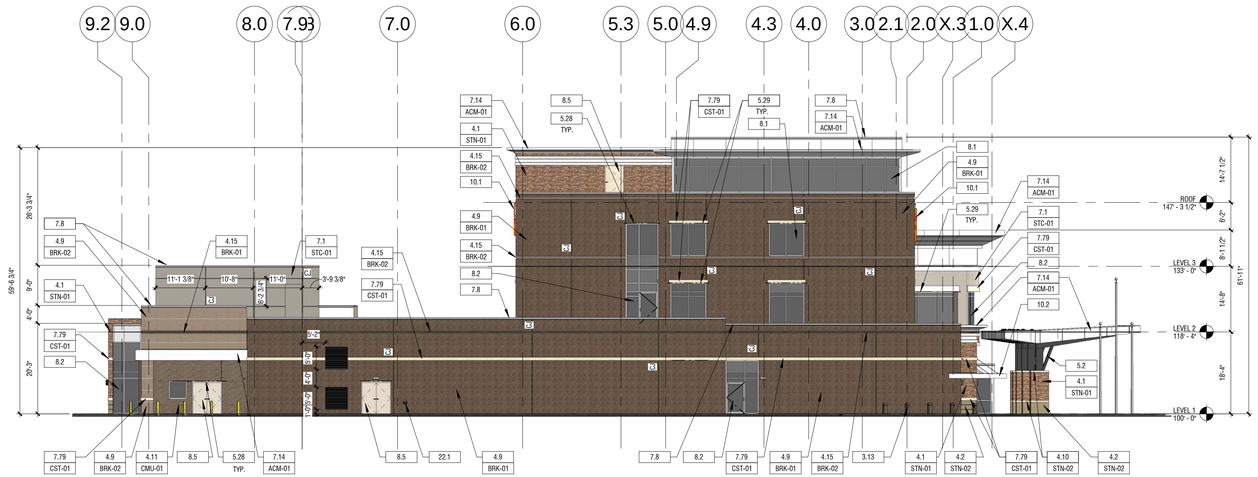
REGISTERED ARCHITECT
CERTIFICATE NO. 40113
BRADFORD L. BOOZE
DATE SIGNED 10-06-2015
ARIZONA U.S.A.

Revisions:

Drawn By: WL
Checked By: Checker
Issue Date: OCTOBER 6, 2015
Project No: 14-115

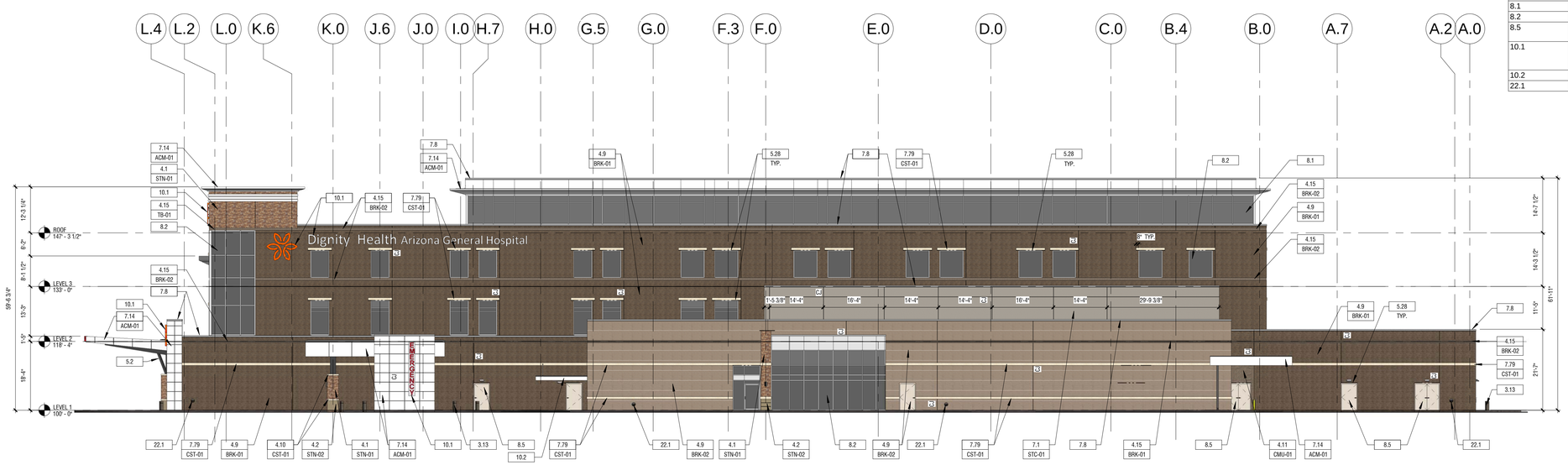
Sheet No:

A3.10
EXTERIOR ELEVATION



02 WEST EXTERIOR ELEVATION - OUTPATIENT DISCHARGE

A3.11 SCALE: 1/16" = 1'-0"



01 NORTH EXTERIOR ELEVATION - AMBULANCE ENTRY

A3.11 SCALE: 1/16" = 1'-0"

EXTERIOR MATERIAL GENERAL NOTES

1. CONTROL JOINTS ARE TO BE PROVIDED CONSISTENT WITH BUILDING ELEVATIONS. MAXIMUM PORTLAND CEMENT STUCCO PANEL SIZE SHALL NOT EXCEED 144 SQ. FT. FROM CONTROL JOINT TO CONTROL JOINT(S) AT ANY EXTERIOR LOCATION. PROVIDE VERTICAL PROPRIETARY REVEAL AT THE CORNER OF A CHANGE IN PORTLAND CEMENT STUCCO COLOR. REF. ELEV.
2. MASONRY EXPANSION AND CONTROL JOINTS ARE TO BE PROVIDED PER MANUFACTURER AND TRADE INDUSTRY STANDARDS
3. MATCH MORTAR COLOR
4. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM THE ARCHITECT
5. IDENTIFIED DIMENSIONS ARE TO ROUGH OPENINGS. GC TO FIELD VERIFY ALL OPENINGS AND ADJUST FRAMING DIMENSIONS TO ACCOMODATE NOTED JOINT WIDTHS
6. REFERENCE SPECIFICATIONS FOR EXTERIOR MATERIAL FINISH AND COLORS

EXTERIOR MATERIAL COLOR LEGEND

- STONE STN-01
- ACCENT STONE BASE STN-02
- CAST STONE - ACCENT BANDING CST-01
- STUCCO ACCENT STC-01
- BRICK BRK-01
- BRICK BRK-02
- THIN VENEER BRICK TB-01
- CMU CMU-01
- ALUM. COMPOSITE METAL PANEL AND CORNICE CAP ACM-01
- PREFINISHED METAL PANEL SYSTEM MTL-01
- PREFINISHED METAL PANEL SYSTEM MTL-02
- GLAZING - VISION GLASS GL-01
- GLAZING - SPANDREL GLASS GL-02
- STEEL SHELF ANGLE, RE: STRUCTURAL BRICK DEFLECTION JOINT
- STEEL LINTEL RE: STRUCTURAL

KEYNOTE LEGEND

#	DESCRIPTION
3.13	PRECAST CONCRETE BOLLARDS
4.1	SURFACE APPLIED THIN CLAD MASONRY VENEER - ROUGH FACE
4.2	SURFACE APPLIED THIN CLAD MASONRY VENEER - SMOOTH FACE
4.9	BRICK MASONRY VENEER - RUNNING BOND
4.10	SMOOTH-FACE CAST STONE LINTEL / CAP
4.11	SPLIT-FACE CONCRETE MASONRY UNIT
4.15	BRICK MASONRY VENEER - SOLDIER COURSE
5.2	EXPOSED STEEL FRAMING (REF. STRUCT DWGS) W/ TNEMIC HIGH PERFORMANCE COATING
5.28	STEEL LINTEL (REF. STRUCT DWGS)
5.29	STEEL SHELF ANGLE (REF. STRUCT DWGS)
7.1	CEMENT PLASTER WALL SYSTEM
7.8	PREFINISHED METAL COPING WITH ANCHOR CLIPS BOTH SIDES
7.14	PREFINISHED ALUM. COMPOSITE METAL PANELS - DRY ROUTE AND RETURN SYSTEM
7.79	CUSTOM EPS FOAM SHAPE WITH SLOPED SURFACES WITH ATTACHED STUCCO, FASTENED TO SUBSTRATE
8.1	ALUMINUM STOREFRONT SYSTEM
8.2	ALUMINUM CURTAINWALL SYSTEM
8.5	HOLLOW METAL DOOR AND FRAME PAINTED TO MATCH ADJACENT MATERIAL COLOR
10.1	LIGHTED EXTERIOR BUILDING SIGNAGE BY OWNER'S SIGNAGE VENDOR - G.C. TO COORDINATE LENGTH AND HEIGHT OF SIGNAGE RACEWAY WITH FINAL VENDOR SIGNAGE PACKAGE
10.2	PRE-FINISHED METAL CANOPY SYSTEM
22.1	PLUMBING. (REF: PLUMBING DWGS)

Ascension Group Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH | PMRG | PM Realty Group

DESIGN REVIEW

DIGNITY HEALTH ARIZONA GENERAL HOSPITAL

Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

REGISTERED ARCHITECT CERTIFICATE NO. 40113 EDWARD L. BOOZE ARIZONA U.S.A. 10-06-2015

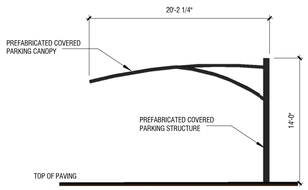
Revisions:

Drawn By:	WL
Checked By:	Checker
Issue Date:	OCTOBER 6, 2015
Project No:	14-115

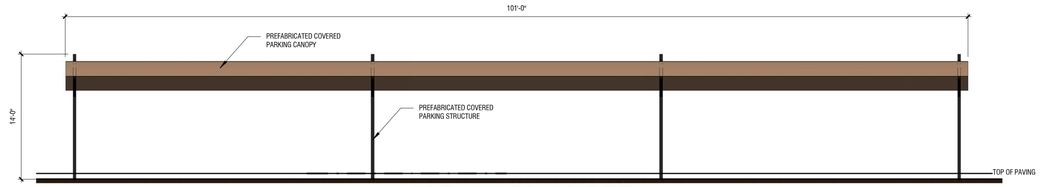
Sheet No:

A3.11

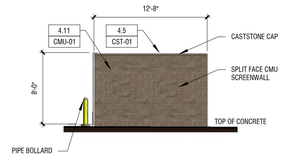
EXTERIOR ELEVATION



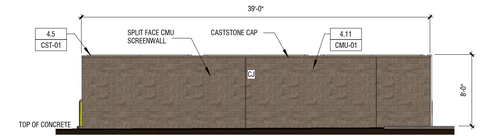
10 COVERED PARKING SIDE ELEVATION, TYP.
A3.12 SCALE: 1/8" = 1'-0"



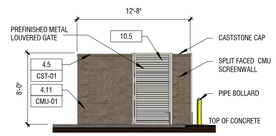
09 COVERED PARKING FRONT ELEVATION, TYP.
A3.12 SCALE: 1/8" = 1'-0"



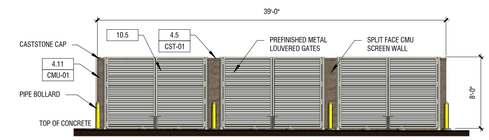
08 NORTH DUMPSTER ELEVATION
A3.12 SCALE: 1/8" = 1'-0"



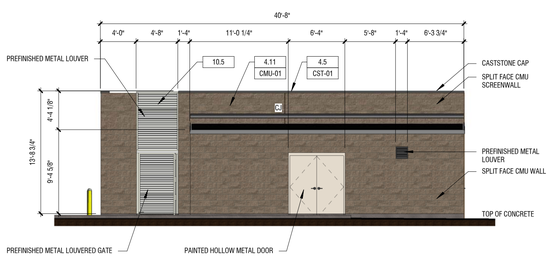
07 WEST DUMPSTER ELEVATION
A3.12 SCALE: 1/8" = 1'-0"



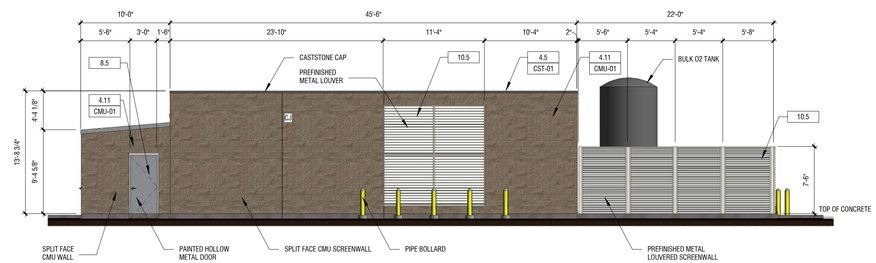
06 SOUTH DUMPSTER ELEVATION
A3.12 SCALE: 1/8" = 1'-0"



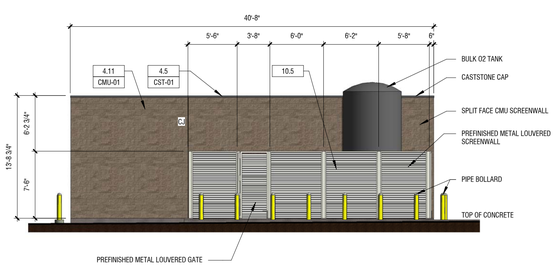
05 EAST DUMPSTER ELEVATION
A3.12 SCALE: 1/8" = 1'-0"



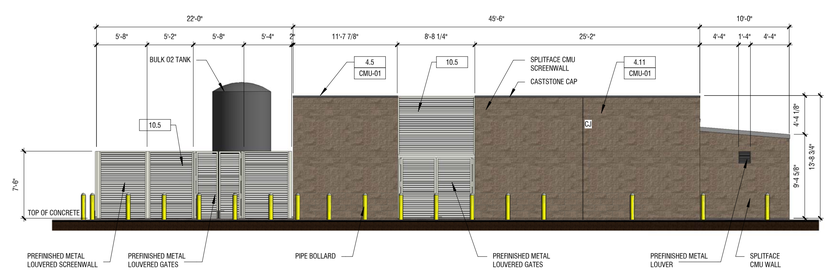
04 NORTH MECHANICAL YARD ELEVATION
A3.12 SCALE: 1/8" = 1'-0"



03 WEST MECHANICAL YARD ELEVATION
A3.12 SCALE: 1/8" = 1'-0"



02 SOUTH MECHANICAL YARD ELEVATION
A3.12 SCALE: 1/8" = 1'-0"



01 EAST MECHANICAL YARD ELEVATION
A3.12 SCALE: 1/8" = 1'-0"

EXTERIOR MATERIAL GENERAL NOTES

1. CONTROL JOINTS ARE TO BE PROVIDED CONSISTENT WITH BUILDING ELEVATIONS. MAXIMUM PORTLAND CEMENT STUCCO PANEL SIZE SHALL NOT EXCEED 144 SQ. FT. FROM CONTROL JOINT TO CONTROL JOINT(S) AT ANY EXTERIOR LOCATION. PROVIDE VERTICAL PROPRIETARY REVEAL AT THE CORNER OF A CHANGE IN PORTLAND CEMENT STUCCO COLOR. REF. ELEV.
2. MASONRY EXPANSION AND CONTROL JOINTS ARE TO BE PROVIDED PER MANUFACTURER AND TRADE INDUSTRY STANDARDS
3. MATCH MORTAR COLOR
4. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM THE ARCHITECT
5. IDENTIFIED DIMENSIONS ARE TO ROUGH OPENINGS. GC TO FIELD VERIFY ALL OPENINGS AND ADJUST FRAMING DIMENSIONS TO ACCOMODATE NOTED JOINT WIDTHS
6. REFERENCE SPECIFICATIONS FOR EXTERIOR MATERIAL FINISH AND COLORS

EXTERIOR MATERIAL COLOR LEGEND

- STONE STN-01
- ACCENT STONE BASE STN-02
- CAST STONE - ACCENT BANDING CST-01
- STUCCO ACCENT STC-01
- BRICK BRK-01
- BRICK BRK-02
- THIN VENEER BRICK TB-01
- CMU CMU-01
- ALUM. COMPOSITE METAL PANEL AND CORNICE CAP ACM-01
- PREFINISHED METAL PANEL SYSTEM MTL-01
- PREFINISHED METAL PANEL SYSTEM MTL-02
- GLAZING - VISION GLASS GL-01
- GLAZING - SPANDREL GLASS GL-02
- STEEL SHELF ANGLE, RE: STRUCTURAL BRICK DEFLECTION JOINT
- STEEL LINTEL RE: STRUCTURAL

KEYNOTE LEGEND

#	DESCRIPTION
4.5	SMOOTH FACE CAST STONE SILL/CAP
4.11	SPLIT-FACE CONCRETE MASONRY UNIT
8.5	HOLLOW METAL DOOR AND FRAME PAINTED TO MATCH ADJACENT MATERIAL COLOR
10.5	PREFINISHED METAL LOUVER

Ascension Group Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH
PMRG | PM Realty Group

DESIGN REVIEW

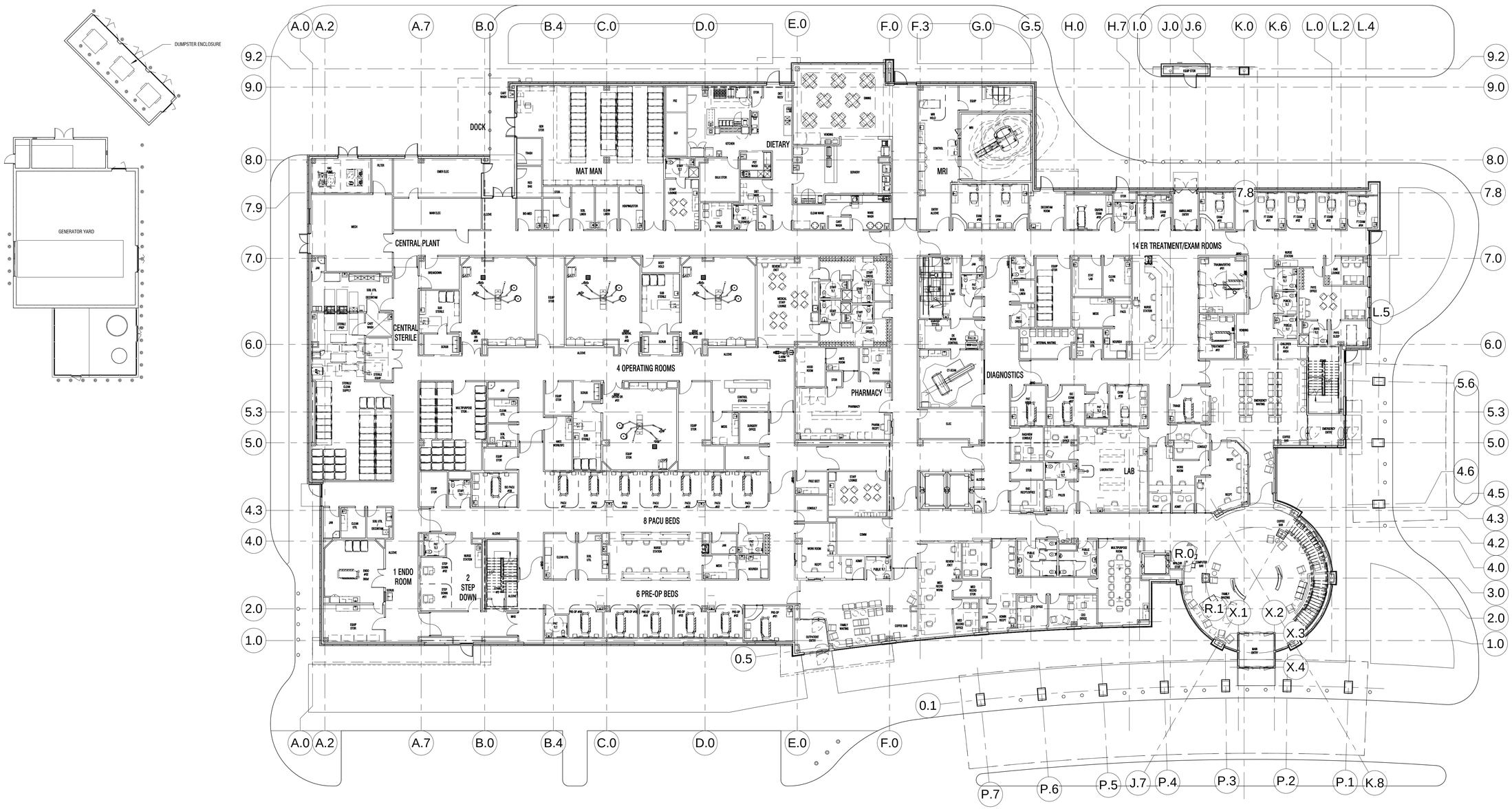
DIGNITY HEALTH
ARIZONA GENERAL HOSPITAL
Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

REGISTERED ARCHITECT
CERTIFICATE NO. 40113
DONALD L. BOOZE
DATE SIGNED 10-06-2015
ARIZONA U.S.A.

Revisions:

Drawn By: WL
Checked By: Checker
Issue Date: OCTOBER 6, 2015
Project No: 14-115

Sheet No:
A3.12
EXTERIOR ELEVATION



01 FLOOR PLAN - LEVEL 1
A1.01 SCALE: 1/16" = 1'-0"

Ascension Group Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH
PMRG | PM Realty Group

DESIGN REVIEW

DIGNITY HEALTH ARIZONA GENERAL HOSPITAL

Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

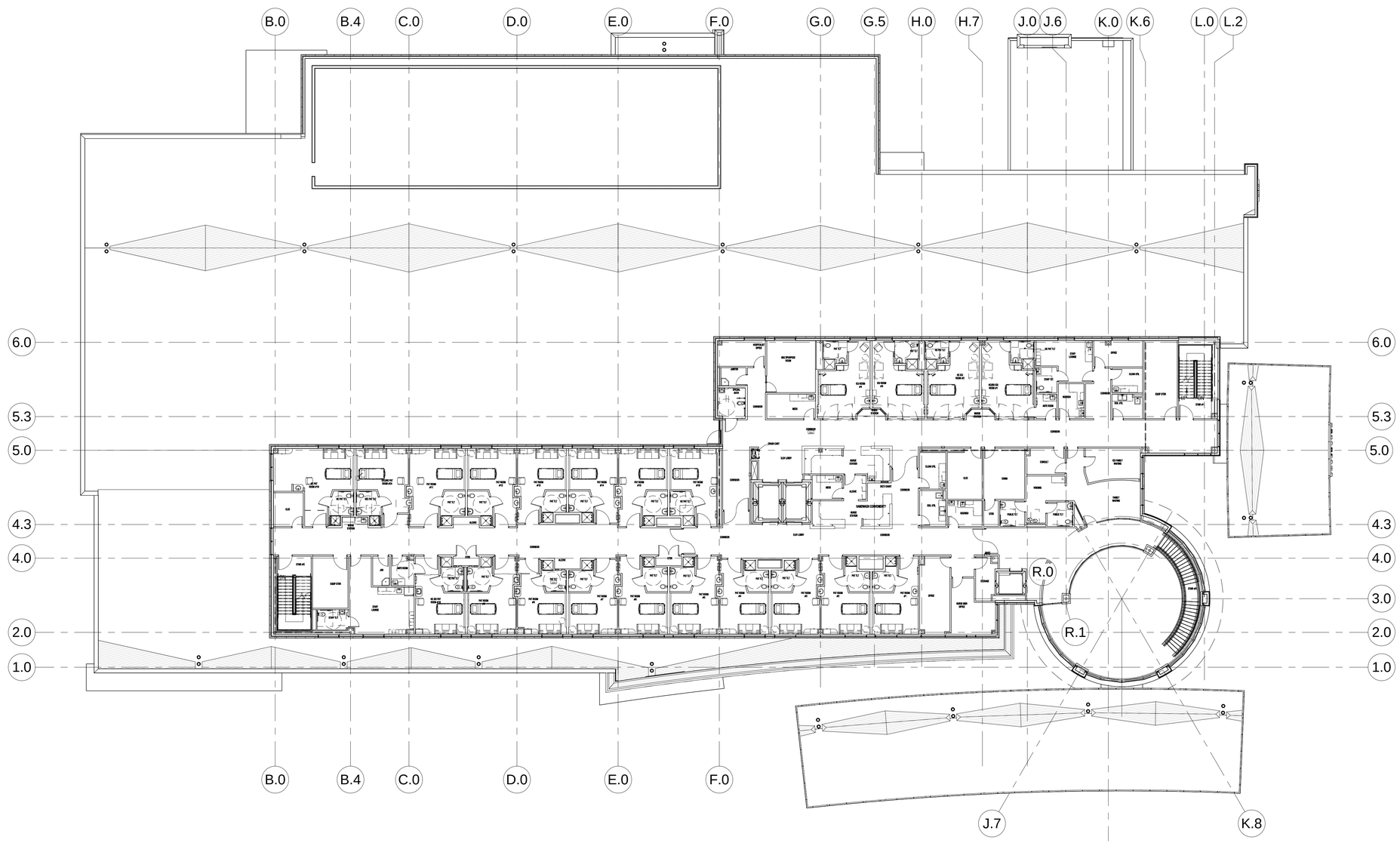
REGISTERED ARCHITECT
CERTIFICATE NO. 40113
BOOZE
ARIZONA U.S.A.
10-06-2015

Revisions:

Drawn By:	Author
Checked By:	Checker
Issue Date:	OCTOBER 6, 2015
Project No:	14-115

Sheet No:

A1.01
FIRST FLOOR PLAN



01 FLOOR PLAN - LEVEL 2
A1.02 SCALE: 1/16" = 1'-0"

Ascension Group
Architects LLP

Architecture
Planning
Interior Design

1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH
PMRG | PM Realty Group

DESIGN REVIEW

DIGNITY HEALTH ARIZONA GENERAL HOSPITAL

Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

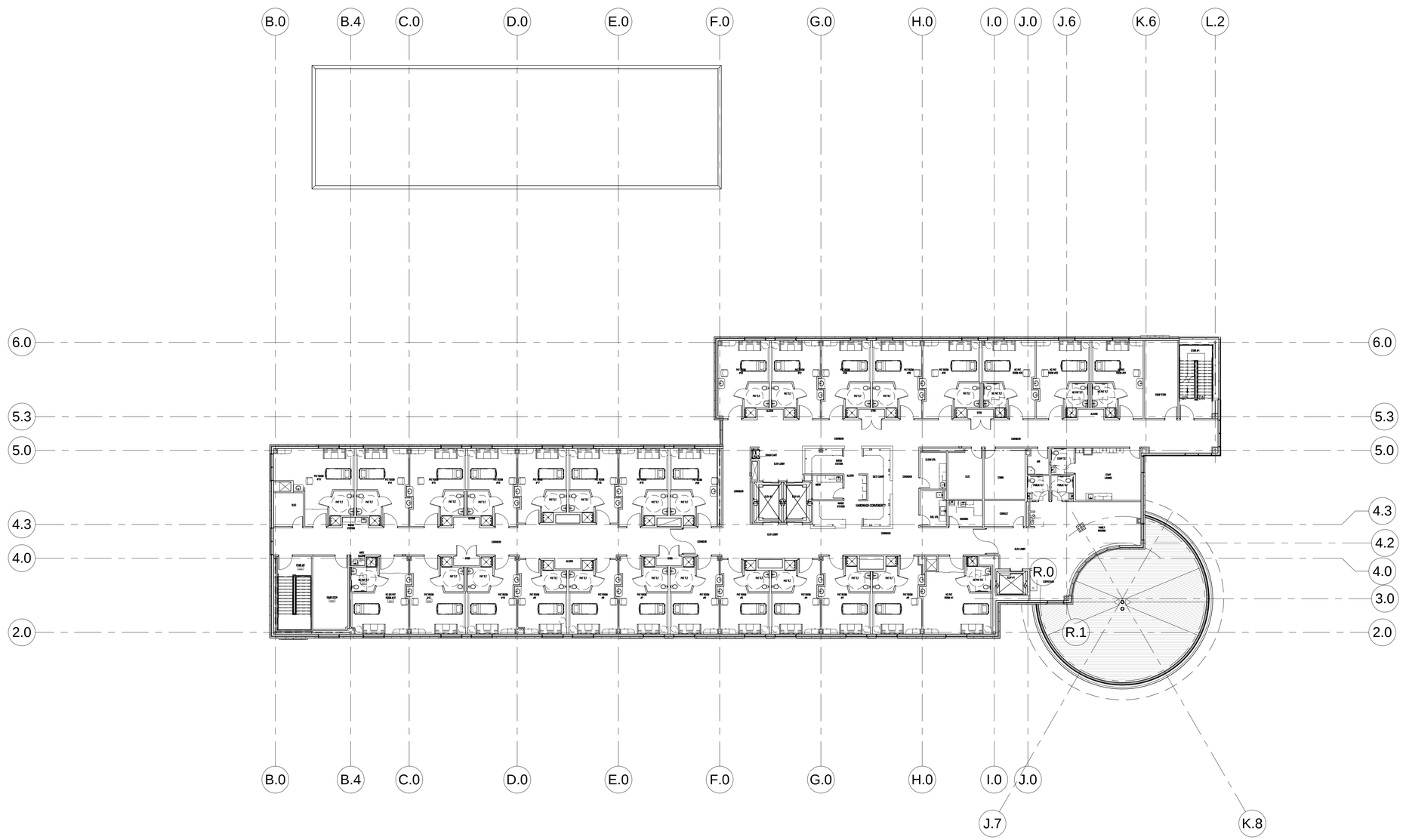
REGISTERED ARCHITECT
CERTIFICATE NO. 40113
BOOZE
DATE SIGNED 10-06-2015
ARIZONA U.S.A.

Revisions:

Drawn By:	Author
Checked By:	Checker
Issue Date:	OCTOBER 6, 2015
Project No:	14-115

Sheet No:

A1.02
SECOND FLOOR PLAN



01 FLOOR PLAN - LEVEL 3
A1.03 SCALE: 1/16" = 1'-0"

Ascension Group
Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH
PMRG | PM Realty Group

DESIGN REVIEW

DIGNITY HEALTH ARIZONA GENERAL HOSPITAL

Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

REGISTERED ARCHITECT
CERTIFICATE NO. 40113
BOOZE
DATE SIGNED 10-06-2015
ARIZONA U.S.A.

Revisions:

Drawn By:	Author
Checked By:	Checker
Issue Date:	OCTOBER 6, 2015
Project No:	14-115

Sheet No:

A1.03
THIRD FLOOR PLAN

ROOF PLAN NOTES BY NUMBER

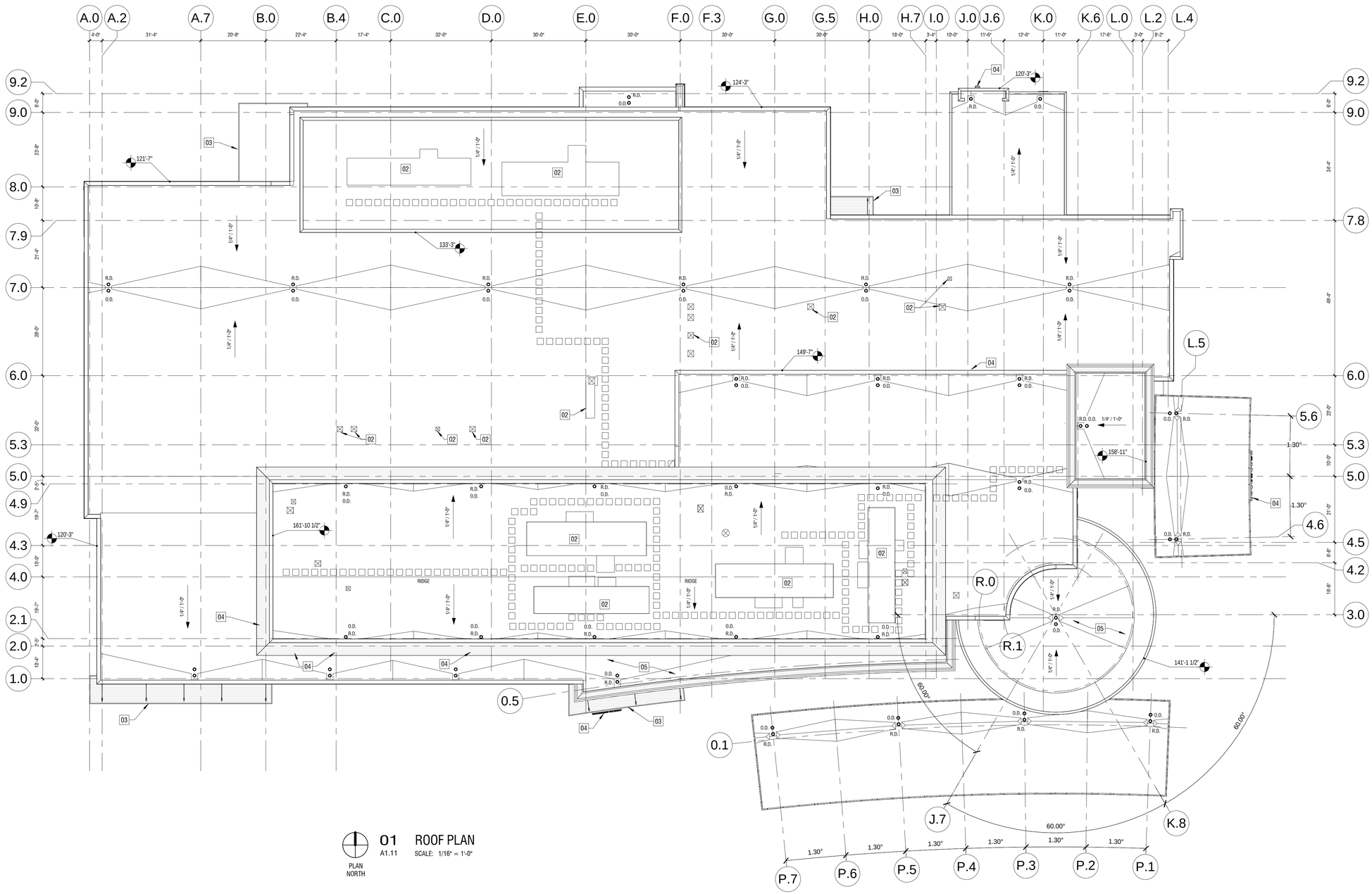
01	8"X12" LOUVERED SCREEN VENT (HIGH & LOW) ON BACK OF PARAPET SPACED AT 30'-0" O.C. REF. A4 SERIES FOR DETAILS
02	ROOF TOP UNIT, REF. MEP DRAWINGS
03	EXTERIOR CANOPY, REF. A4. SERIES AND SPECIFICATIONS
04	LIGHTED BUILDING SIGNAGE BY OWNER, REF: VENDOR DRAWINGS FOR DETAILS, COORDINATE BLOCKING AND ELECTRICAL AS REQ'D.
05	DECORATIVE BALLAST ON TPO SERIES ROOFING MEMBRANE, REF. SPECIFICATIONS

ROOF LEGEND

R.D.	ROOF DRAIN SHALL BE AT THE LOW POINT OF THE TAPERED INSULATION. REF. A1.03
O.D.	OVERFLOW DRAIN. REF A1.03
	EXHAUST FAN / MECHANICAL EQUIPMENT REF. MECH. DRAWINGS
	TAPERED INSULATION
	SLOPE 1/4" PER FOOT MINIMUM - FLOW TO DRAIN.
	ROOF MOUNTED SECURITY CAMERA, BY VENDOR; REF. OWNER VENDOR DWGS FOR DETAILS.
	ROOF WALKWAY PAD
T.O.P. XXX'-X"	TOP OF PARAPET ELEVATION

ROOF PLAN GENERAL NOTES

1. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL TO DIMENSIONALLY TIE DOWN LOCATIONS FOR PIPING, CURBS, VENTS, DUCTS, FANS, AND OTHER ITEMS ON THE ROOF SURFACE.
2. PAINT EXPOSED ROOF MOUNTED EQUIPMENT, PIPING, ETC. IN COLOR AS SELECTED BY THE ARCHITECT, EXCEPT THOSE ITEMS WHICH ARE ALUMINUM OR STAINLESS STEEL.
3. ALL ROOF FLASHING TO BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
4. THE GENERAL CONTRACTOR SHALL VERIFY THAT THERE IS PROPER COORDINATION BETWEEN THE ROOFING CONTRACTOR AND THE PLUMBING CONTRACTOR SO THAT ALL ROOF DRAINS ARE SET AT A "LOW POINT" AND SO THAT ALL AREAS OF ALL ROOFS SLOPE TO A ROOF DRAIN.
5. REF. TO 'A1' SERIES FOR TYP. ROOF DETAILS
6. ALL ROOF ACCESS, MECHANICAL EQUIPMENT, OR OTHER COMPONENTS THAT REQUIRES SERVICE THAT IS LOCATED WITHIN 15 FEET OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EGE OR OPEN SIDE IS LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR , ROOF OR GRADE BELOW SHALL HAVE A GUARD PER IBC 1013.5. SEE 'A1' SERIES FOR GUARD DETAIL.



PLAN NORTH

01 ROOF PLAN
A1.11
SCALE: 1/16" = 1'-0"

Ascension Group Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH
PMRG | PM Realty Group

DESIGN REVIEW

DIGNITY HEALTH ARIZONA GENERAL HOSPITAL

Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

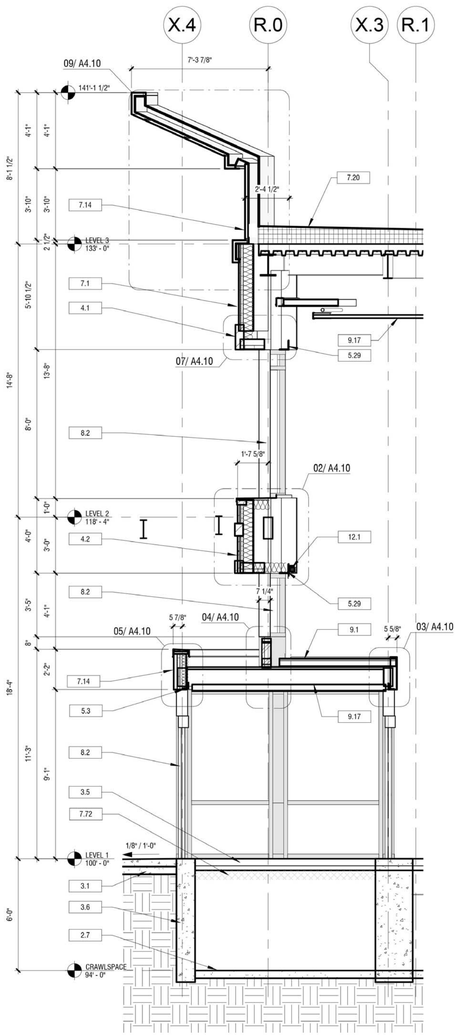
REGISTERED ARCHITECT
CERTIFICATE NO. 40113
JAMES L. BOOZE
DATE SIGNED 10-06-2015
ARIZONA U.S.A.

Revisions:

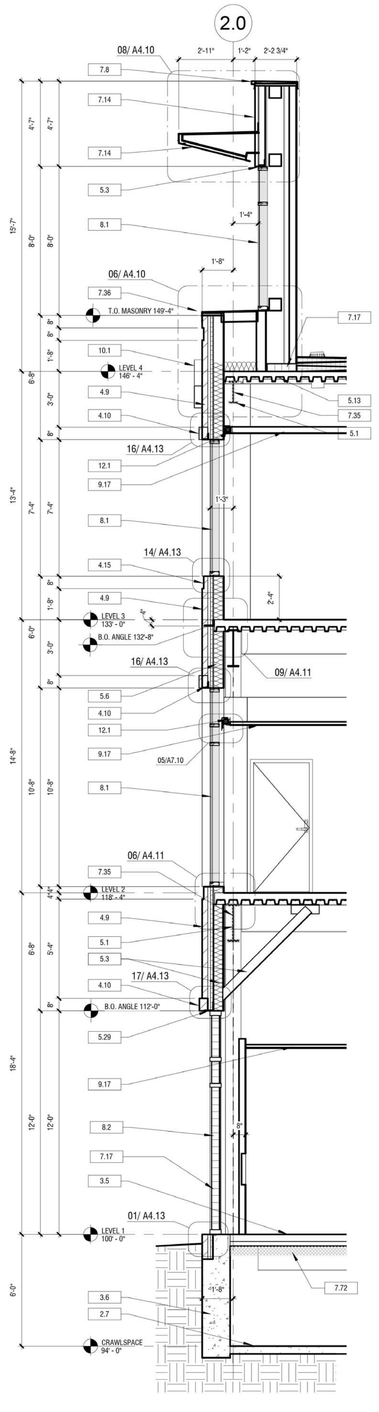
Drawn By:	JA
Checked By:	JS
Issue Date:	OCTOBER 6, 2015
Project No:	14-115

Sheet No:

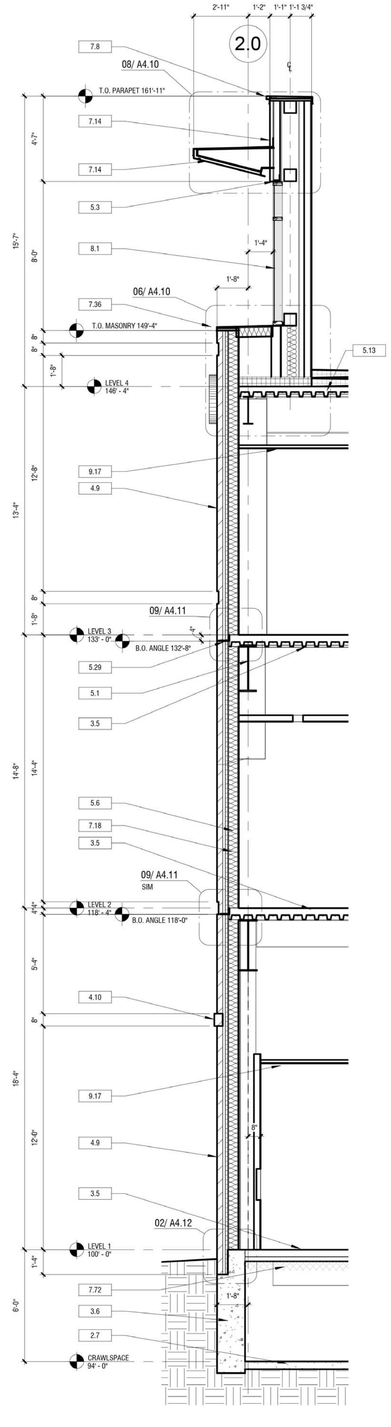
A1.11
ROOF PLAN



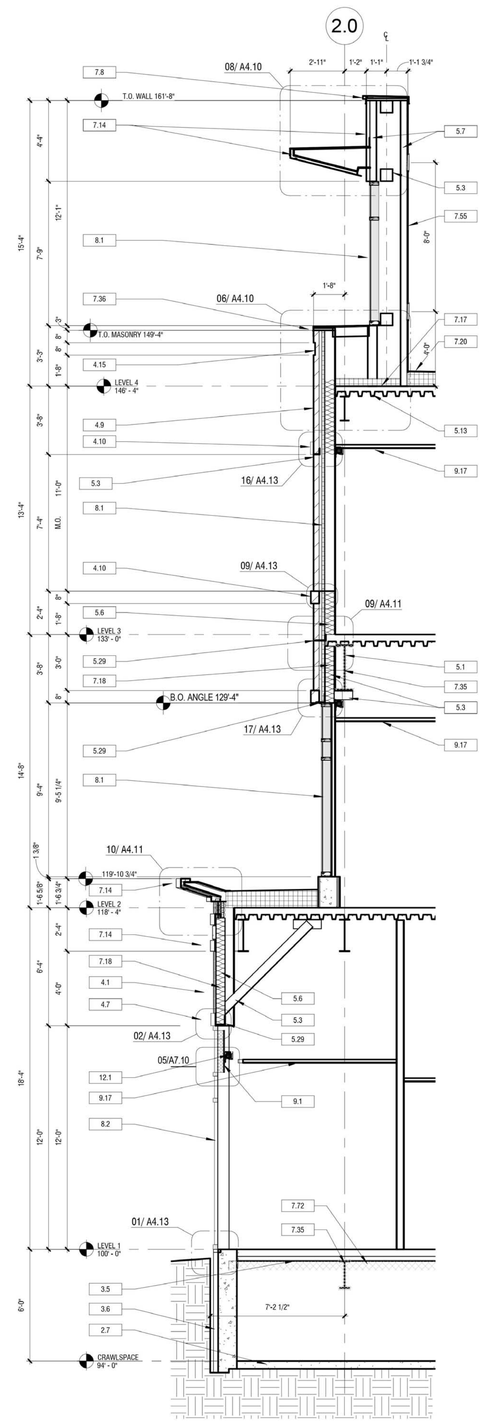
04 BUILDING SECTION
A4.00 SCALE: 1/4" = 1'-0"



03 BUILDING SECTION
A4.00 SCALE: 1/4" = 1'-0"



02 BUILDING SECTION
A4.00 SCALE: 1/4" = 1'-0"



01 BUILDING SECTION
A4.00 SCALE: 1/4" = 1'-0"

KEYNOTE LEGEND	
#	DESCRIPTION
00	
2.5	GRADE OR PAVING WHERE OCCURS, REF: CIVIL
2.7	CRAWL SPACE FILL RE: CIVIL
3.1	CONCRETE FLOOR SLAB/GRADE BEAM. (REF. STRUCT DWGS)
3.5	COMPOSITE CONCRETE FLOOR DECK SYSTEM PER U.L. ASSEMBLY
3.6	CAST IN PLACE CONCRETE STEM WALL. (REF. STRUCT DWGS)
4.1	SURFACE APPLIED THIN CLAD MASONRY VENEER - ROUGH FACE
4.2	SURFACE APPLIED THIN CLAD MASONRY VENEER - SMOOTH FACE
4.5	SMOOTH FACE CAST STONE SILL/CAP
4.7	SMOOTH-FACE CAST STONE MASONRY WAINSCOT CAP
4.9	BRICK MASONRY VENEER - RUNNING BOND
4.10	SMOOTH-FACE CAST STONE LINTEL
4.11	SPLIT-FACE CONCRETE MASONRY UNIT
4.15	BRICK MASONRY VENEER - SOLDIER COURSE
5.1	STEEL BEAM/COLUMN (REF. STRUCT DWGS)
5.2	EXPOSED STEEL FRAMING(REF. STRUCT DWGS)(TNEMIC HIGH PERFORMANCE COATING)
5.3	STEEL ANGLE/CHANNEL/TUBE FRAMING. (REF. STRUCT DWGS)
5.6	6" COLD FORMED METAL FRAMING
5.7	4" COLD FORMED METAL FRAMING
5.9	METAL ROOF DECK. (REF. STRUCT DWGS)
5.13	COMPOSITE METAL DECK. (REF. STRUCT DWGS)
5.17	MANUF. STEEL LADDER
5.29	STEEL SHELF ANGLE (REF. STRUCT DWGS)
5.32	METAL GRATING
7.1	MODIFIED MORTAR EXTERIOR WALL SYSTEM.
7.2	MODIFIED MORTAR SOFFIT SYSTEM.
7.8	PREFINISHED METAL COPING WITH ANCHOR CLIPS BOTH SIDES
7.14	PREFINISHED ALUM. COMPOSITE METAL PANELS - DRY ROUTE AND RETURN SYSTEM
7.17	RIGID BOARD EXTRUDED POLYSTYRENE INSULATION
7.18	BATT INSULATION
7.20	FULLY ADHERED SINGLE PLY ROOFING MEMBRANE
7.35	CEMENTITIOUS SPRAYED ON FIREPROOFING PER U.L. DESIGN
7.36	PREFINISHED METAL FLASHING - 18GA MIN.
7.47	BELOW GRADE WATERPROOFING
7.55	MODIFIED MORTER APPLIED DIRECTLY TO SHEATHING
7.72	SPRAYED THERMAL ACOUSTICAL INSULATION
8.1	ALUMINUM STOREFRONT SYSTEM
8.2	ALUMINUM CURTAINWALL SYSTEM
8.6	AUTOMATIC ALUMINUM DOOR SYSTEM
8.10	EXTERIOR ACCESS DOOR. 36"x36" U.N.O.
8.12	METAL LOUVER
9.1	5/8" TYPE X GYP. BOARD
9.13	3 5/8" METAL STUDS
9.17	CEILING AS SCHEDULED
10.2	PRE-FINISHED METAL CANOPY SYSTEM
10.3	UNLIT EXTERIOR BUILDING SIGNAGE BY OWNER VENDOR
12.1	ROLLER WINDOW SHADES
23.1	HVAC. (REF: MECHANICAL DWGS)

Ascension Group Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH
PMRG | PM Realty Group

DESIGN REVIEW

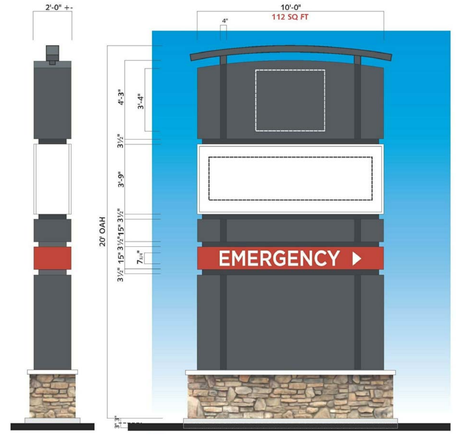
DIGNITY HEALTH
ARIZONA GENERAL HOSPITAL
Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

REGISTERED ARCHITECT
CERTIFICATE NO. 40113
BOOZE
DATE SIGNED
ARIZONA U.S.A.
10-06-2015

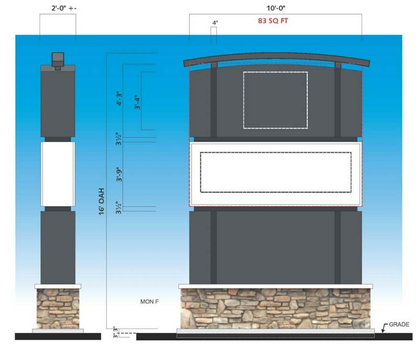
Revisions:

Drawn By:	Author
Checked By:	Checker
Issue Date:	OCTOBER 6, 2015
Project No:	14-115

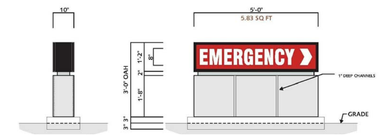
Sheet No:
A4.00
BUILDING SECTIONS



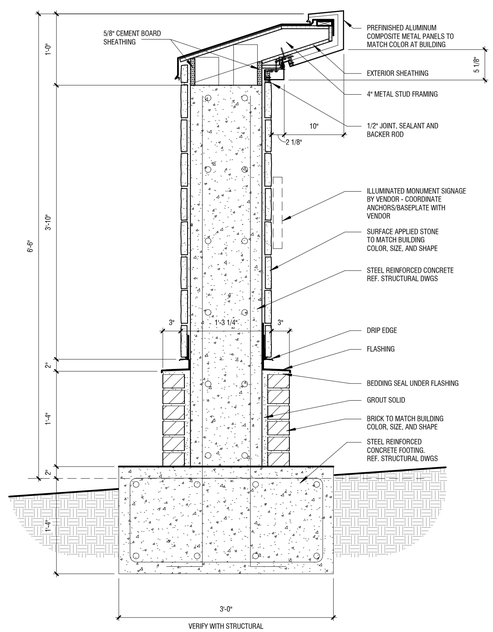
D1 MONUMENT



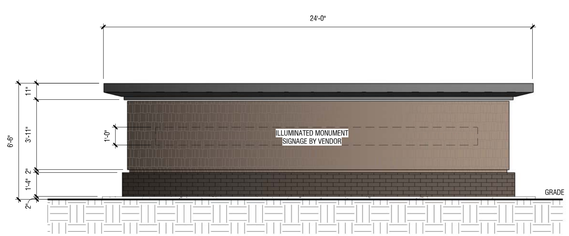
D2 MONUMENT



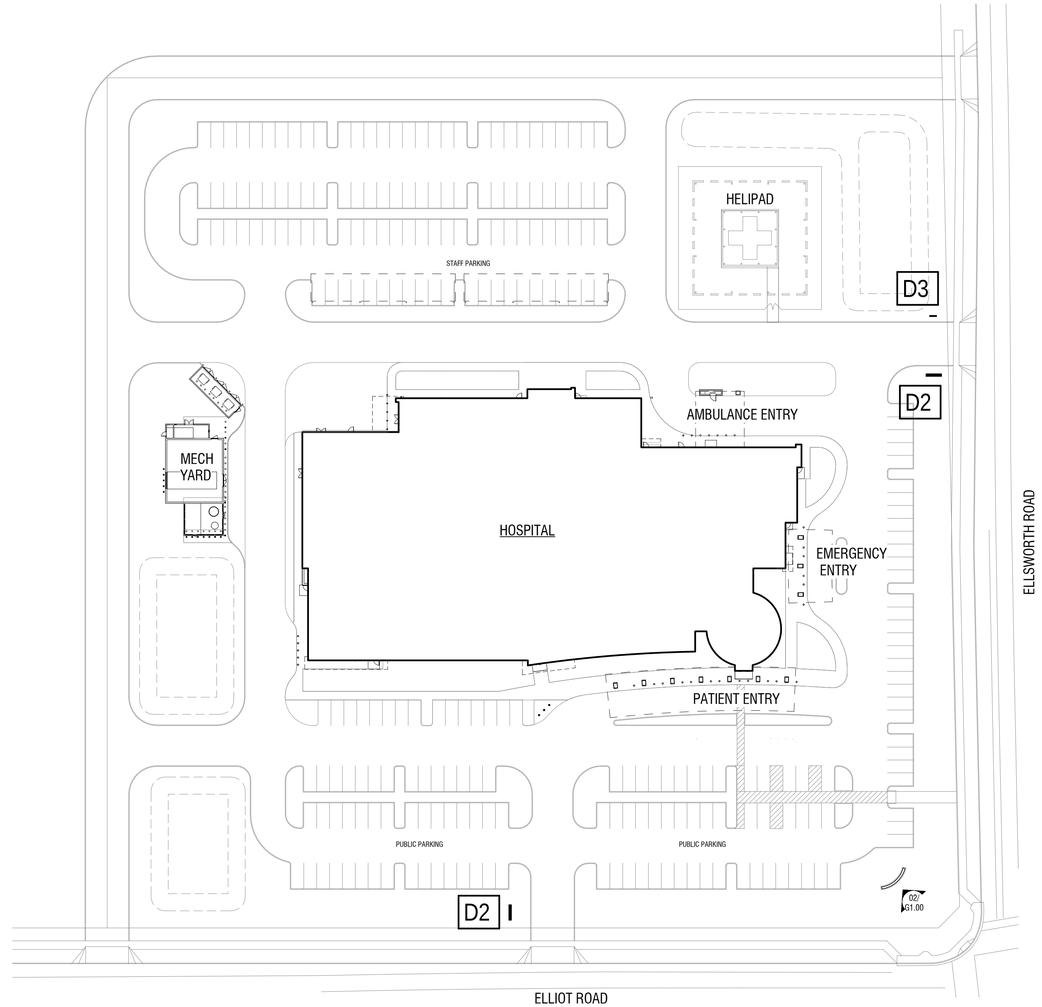
D3 WAYFINDING



03 MONUMENT SIGN SECTION
G1.00 SCALE: 1" = 1'-0"



02 MONUMENT SIGN ELEVATION
G1.00 SCALE: 1/4" = 1'-0"



PLAN NORTH

01 SIGNAGE SITE PLAN
G1.00 SCALE: 1" = 50'-0"

Ascension Group Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH | PMRG | PM Realty Group

DESIGN REVIEW

DIGNITY HEALTH ARIZONA GENERAL HOSPITAL

Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

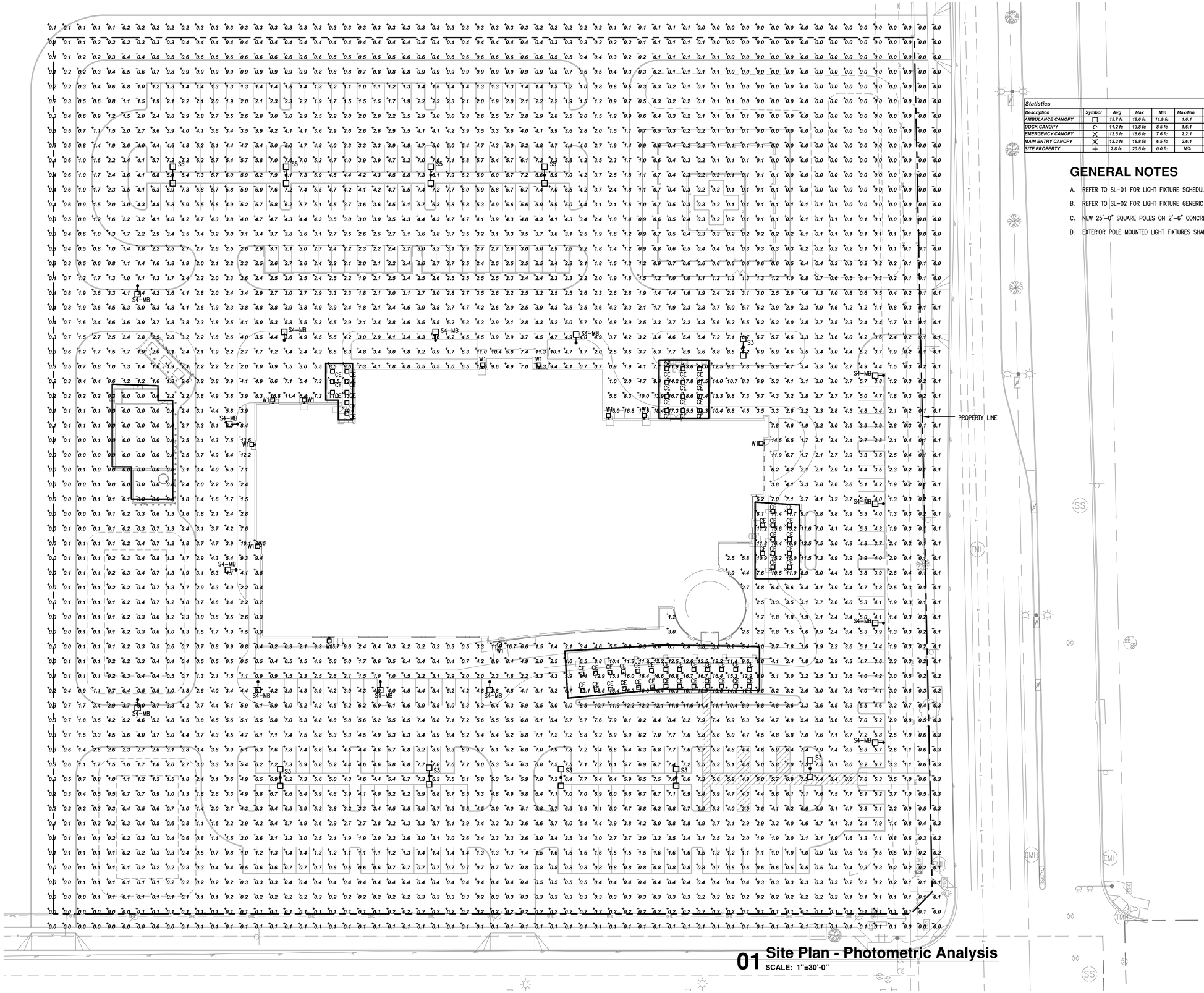
REGISTERED ARCHITECT
CERTIFICATE NO. A0113
BOOZE
DATE SIGNED 10-06-2015
ARIZONA U.S.A.

Revisions:

Drawn By:	Author
Checked By:	Checker
Issue Date:	OCTOBER 6, 2015
Project No:	14-115

Sheet No:

G1.00
SIGNAGE PLAN



Statistics							
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max
AMBULANCE CANOPY	□	15.7 fc	18.6 fc	11.9 fc	1.6:1	1.3:1	0.8:1
DOCK CANOPY	◇	11.2 fc	13.8 fc	8.5 fc	1.6:1	1.3:1	0.8:1
EMERGENCY CANOPY	×	12.5 fc	16.6 fc	7.6 fc	2.2:1	1.6:1	0.8:1
MAIN ENTRY CANOPY	×	13.2 fc	16.8 fc	6.5 fc	2.6:1	2.0:1	0.8:1
SITE PROPERTY	+	2.8 fc	20.5 fc	0.0 fc	N/A	N/A	0.1:1

GENERAL NOTES

A. REFER TO SL-01 FOR LIGHT FIXTURE SCHEDULE.

B. REFER TO SL-02 FOR LIGHT FIXTURE GENERIC SPECIFICATION SHEETS.

C. NEW 25'-0" SQUARE POLES ON 2'-6" CONCRETE BASE.

D. EXTERIOR POLE MOUNTED LIGHT FIXTURES SHALL BE FULL CUT-OFF.

01 Site Plan - Photometric Analysis

SCALE: 1"=30'-0"

Ascension Group Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH | PMRG | PM Realty Group

Registered Professional Engineer (Electrical) CERTIFICATE NO. 37410 JOHN G. PIAZZA Date Signed 5/5/18 ARIZONA, U.S.A.
Exp: 3-31-18

DIGNITY HEALTH ARIZONA GENERAL HOSPITAL

Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

Revisions:

Drawn By: cp
Checked By: JP
Issue Date:
Project No:

Sheet No:

SL1.01

SITE PLAN - PHOTOMETRIC ANALYSIS

SHEET: 7 OF 13

304 Series™

LED Recessed Canopy Luminaire

Product Description

Luminaire housing is constructed from rugged die cast aluminum components (RS Mount) or die cast and extruded aluminum components (RD Mount). LED driver is mounted in a sealed weathertight center chamber that allows for access from below the fixture. Luminaire mounts directly to the canopy deck and is secured in place with die cast aluminum trim frame. Luminaire housing is provided with factory applied foam gasket that provides a watertight seal between luminaire housing and canopy deck. Suitable for use in single or double skin canopies with 16" (406 mm) wide panels. Designed for canopies of 19-22 gauge (maximum 0.040" [1 mm] thickness).

Applications: Petroleum stations, convenience stores, drive-thru banks and restaurants, retail and grocery

Performance Summary

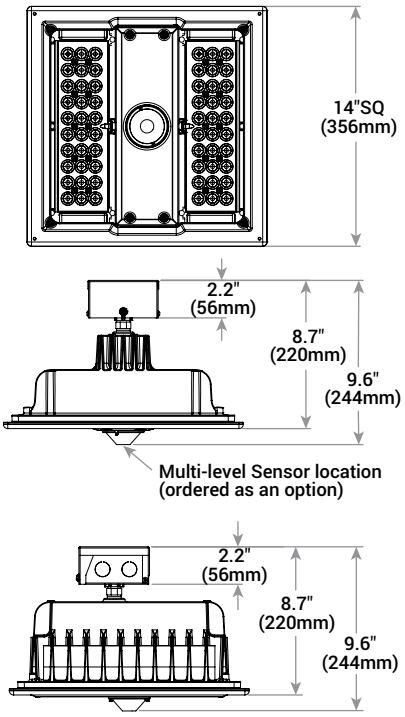
- Patented NanoOptic® Product Technology
- Made in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 4000K (+/- 300K), 5700K (+/- 500K) standard
- **Limited Warranty†:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

† See www.cree.com/lighting/products/warranty for warranty terms

Accessories

Field-Installed
Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

RS Mount



Weight
22.0 lbs. (9.9kg)

Ordering Information

Example: CAN-304-5M-RS-04-E-UL-SV-350

CAN-304				E				
Product	**Optic**	**Mounting**	**LED Count (x10)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
CAN-304	**5M** Type V Medium **5S** Type V Short **PS** Petroleum Symmetric **SL** Sparkle Petroleum	**RS** Recessed Single Skin **RD** Recessed Double Skin	**04** **06**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700*** 700mA	**DIM 0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current **F Fuse** - When code dictates fusing use time delay fuse - Refer to ML spec sheet for availability with ML options **ML Multi-Level** - Refer to ML spec sheet for details **PML Programmable Multi-Level** - Refer to PML spec sheet for details **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire

* 60 LED luminaire requires marked spacing: 48" x 24" x 6" (1,219mm x 610mm x 152mm); 48" (1,219mm) center-to-center of adjacent luminaires, 24" (610mm) luminaire center to side building member, 6" (152mm) top of luminaire to overhead building member

Product Specifications

CONSTRUCTION & MATERIALS

- RS Mount luminaire housing is constructed from rugged die cast aluminum and incorporates integral, high performance heatsink fins specifically designed for LED canopy applications
- RD Mount luminaire housing is constructed from rugged die cast aluminum and features high performance extruded aluminum heatsinks specifically designed for LED canopy applications
- LED driver is mounted in a sealed weathertight center chamber that allows for access from below the luminaire
- Field adjustable drive current between 350mA, 525mA and 700mA on Non-IC rated luminaires
- Luminaire housing provided with factory applied foam gasket and provides for a watertight seal between luminaire housing and canopy deck
- Mounts directly to the canopy deck and is secured in place with a die cast aluminum trim frame
- RS mount includes integral junction box which allows ease of installation without need to open luminaire
- Suitable for use in single (RS Mount) or double (RD Mount) skin canopies with 16" (406mm) wide panels
- Designed for canopies of 19-22 gauge (maximum 0.040" [1mm] thickness)
- See 228 Series™ canopy luminaires for canopies using 12" (305mm) deck sections
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **10V Source Current:** 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets FCC Part 15 standards for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified when ordered with PS or SL optics and 525 or 700mA drive current. Please refer to www.designlights.org/QPL for most current information
- RoHS Compliant. Consult factory for additional details
- Meets Buy American requirements within ARRA

Electrical Data*

LED Count (x10)	System Watts 120-480V	Total Current					
		120V	208V	240V	277V	347V	480V
350mA							
04	46	0.39	0.24	0.22	0.21	0.15	0.12
06	69	0.57	0.34	0.30	0.27	0.21	0.16
525mA							
04	71	0.59	0.35	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
700mA							
04	94	0.79	0.46	0.40	0.36	0.28	0.21
06	135	1.14	0.65	0.57	0.50	0.40	0.29

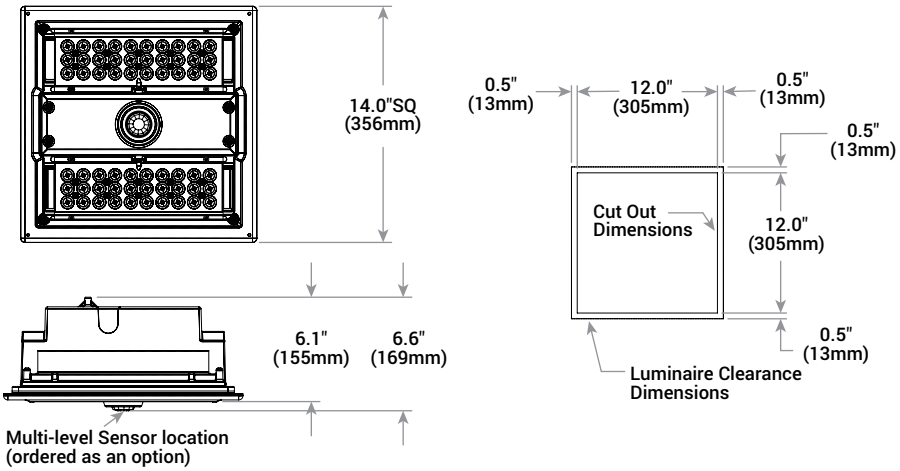
* Electrical data at 25˚C (77˚F)

Recommended 304 Series™ Lumen Maintenance Factors (LMF)[1]

Ambient	Initial LMF	25K hr Projected[2] LMF	50K hr Projected[2] LMF	75K hr Calculated[3] LMF	100K hr Calculated[3] LMF
5˚C (41˚F)	1.04	0.99	0.97	0.95	0.93
10˚C (50˚F)	1.03	0.98	0.96	0.94	0.92
15˚C (59˚F)	1.02	0.97	0.95	0.93	0.91
20˚C (68˚F)	1.01	0.96	0.94	0.92	0.90
25˚C (77˚F)	1.00	0.95	0.93	0.91	0.89

[1] Lumen maintenance values at 25˚C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
[2] In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)
[3] In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

RD Mount

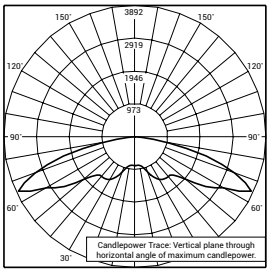


Weight
22.0 lbs. (9.9kg)

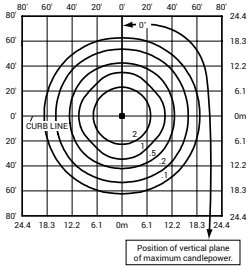
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool

5M



ITL Test Report #: 77285
PKG-304-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,681

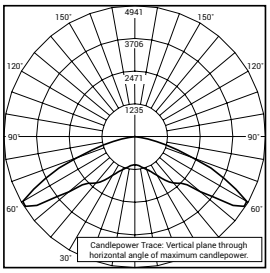


CAN-304-5M-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m)
Initial Delivered Lumens: 11,613
Initial FC at grade

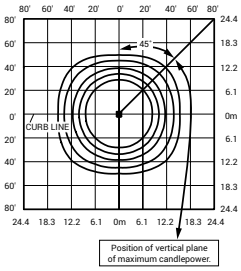
Type V Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
04	4,600	B3 U1 G1	4,777	B3 U1 G1
06	6,831	B3 U1 G1	7,094	B3 U1 G2
525mA				
04	6,441	B3 U1 G1	6,688	B3 U1 G1
06	9,563	B3 U1 G2	9,931	B3 U1 G2
700mA				
04	7,821	B3 U1 G2	8,122	B3 U1 G2
06	11,613	B4 U1 G2	12,059	B4 U1 G2

* Initial delivered lumens at 25˚C (77˚F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

5S



ITL Test Report #: 77876
PKG-304-5S-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,738



CAN-304-5S-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m)
Initial Delivered Lumens: 12,903
Initial FC at grade

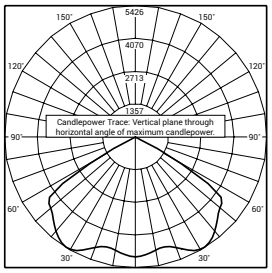
Type V Short Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
04	5,112	B2 U1 G1	5,308	B2 U1 G1
06	7,590	B3 U1 G1	7,882	B3 U1 G1
525mA				
04	7,156	B3 U1 G1	7,432	B3 U1 G1
06	10,626	B3 U1 G2	11,035	B3 U1 G2
700mA				
04	8,690	B3 U1 G1	9,024	B3 U1 G1
06	12,903	B3 U1 G2	13,399	B4 U1 G2

* Initial delivered lumens at 25˚C (77˚F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

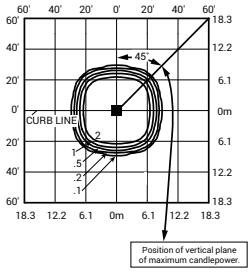
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool

PS



ITL Test Report #: 76940
CAN-304-PS-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,581

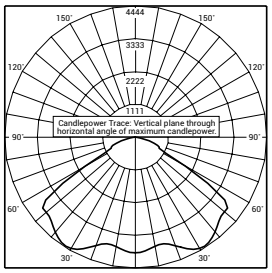


CAN-304-PS-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m)
Initial Delivered Lumens: 13,190
Initial FC at grade

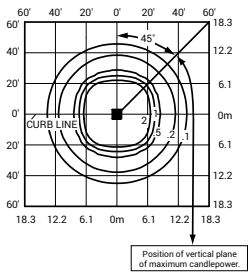
Petroleum Symmetric Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
04	5,225	B2 U0 G0	5,426	B2 U0 G0
06	7,759	B3 U0 G0	8,057	B3 U0 G0
525mA				
04	7,315	B3 U0 G0	7,597	B3 U0 G0
06	10,862	B3 U0 G0	11,280	B3 U0 G0
700mA				
04	8,883	B3 U0 G0	9,225	B3 U0 G0
06	13,190	B3 U0 G0	13,697	B3 U0 G0

* Initial delivered lumens at 25˚C (77˚F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

SL



ITL Test Report #: 77415
CAN-304-SL-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,707



CAN-304-SL-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m)
Initial Delivered Lumens: 12,760
Initial FC at grade

Sparkle Petroleum Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
04	5,055	B2 U0 G1	5,249	B2 U0 G1
06	7,506	B2 U0 G1	7,794	B3 U0 G1
525mA				
04	7,077	B2 U0 G1	7,349	B2 U0 G1
06	10,508	B3 U0 G1	10,912	B3 U0 G1
700mA				
04	8,593	B3 U0 G1	8,924	B3 U0 G1
06	12,760	B3 U0 G1	13,250	B3 U0 G1

* Initial delivered lumens at 25˚C (77˚F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

© 2015 Cree, Inc. and/or one of its subsidiaries. All rights reserved. For informational purposes only. Content is subject to change. Patent www.cree.com/patents. Cree®, NanoOptic®, and Colorfast DeltaGuard® are registered trademarks, and the Cree logo, 228 Series™, and 304 Series™ are trademarks of Cree, Inc. The UL logo is a registered trademark of UL LLC. The DLC QPL is a registered trademark of Northeast Energy Efficiency Partnerships, Inc.

US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415 **Canada: www.cree.com/canada** T (800) 473-1234 F (800) 890-7507

ARE-EDG-5M-DA

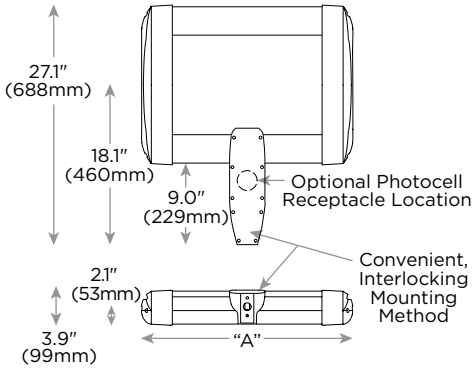
Cree Edge™ Area Luminaire – Type V Medium – Direct Arm Mount

Product Description

Slim, low profile design minimizes wind load requirements. Luminaire sides are rugged cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks. Convenient, interlocking mounting method. Mounting housing is rugged die cast aluminum and mounts to 3–6″ (76–152mm) square or round pole. Luminaire is secured by two 5/16-18 UNC bolts spaced on 2″ (51mm) centers.

Performance Summary

- Utilizes BetaLED® Technology
- Patented NanoOptic® Product Technology
- Made in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 5700K (+ / - 500K) Standard, 4000K (+ / - 300K)
- **Limited Warranty†:** 10 years on luminaire / 10 years on Colorfast DeltaGuard® finish
- **EPA and Weight:** Reference EPA and Weight spec sheet



LED Count (x10)	Dim. "A"
04	12.1″ (306mm)
06	14.1″ (357mm)
08	16.1″ (408mm)
10	18.1″ (459mm)
12	20.1″ (510mm)
14	22.1″ (560mm)
16	24.1″ (611mm)
20	28.1″ (713mm)
24	32.1″ (814mm)

Accessories

Field Installed Accessories
XA-BRDSPK Bird Spikes

Ordering Information

Example: ARE-EDG-5M-DA-04-E-UL-SV-350-OPTIONS

ARE-EDG	5M	DA		E				
Product	**Optic**	**Mounting**	**LED Count (x10)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
ARE-EDG	**5M** Type V Medium	**DA** Direct Arm	**04** **06** **08** **10** **12** **14** **16** **20** **24**	**E**	**UL** Universal 120–277V **UH** Universal 347–480V **34** 347V	**SV** Silver (Standard) **BK** Black **BZ** Bronze **PB** Platinum Bronze **WH** White	**350*** 350mA **525**** 525mA **700***** 700mA	**40K 4000K Color Temperature** - Color temperature per luminaire **DIM 0–10V Dimming** - Control by others - Refer to dimming spec sheet for details - Can't exceed specified drive current **F Fuse** - When code dictates fusing, use time delay fuse - Not available with all ML options. Refer to ML spec sheet for availability with ML options **HL Hi / Low (175 / 350 / 525 Dual Circuit Input)** - Refer to ML spec sheet for details - Sensor not included **P Photocell** - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Must specify voltage other than UH **R NEMA Photocell Receptacle** - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Photocell by others **ML Multi-Level** - Refer to ML spec sheet for details

† See www.cree.com/lighting/products/warranty for warranty terms
* Available on luminaires with 60–240 LEDs.
** Available on luminaires with 40–160 LEDs.
*** Available on luminaires with 40–60 LEDs.

Rev. Date: 09/27/13

www.cree.com/lighting T (800) 236-6800 F (262) 504-5415

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartments and high performance heat sinks
- Convenient interlocking mounting method. Mounting housing is rugged die cast aluminum mounting to 3–6″ (76–152mm) square or round pole, secured by two 5 / 16-18 UNC bolts spaced on 2″ (51mm) centers
- Includes leaf / debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Standard is silver. Bronze, black, white, and platinum bronze are also available

ELECTRICAL SYSTEM

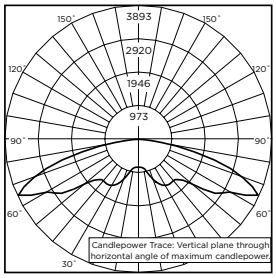
- **Input Voltage:** 120–277V or 347–480V, 50 / 60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight electrical box with terminal strips (12Ga–20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C / D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS

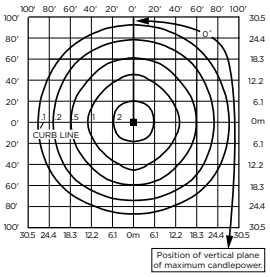
- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE / ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Product qualified on the DesignLights Consortium™ (“DLC”) Qualified Products List (“QPL”) when ordered without full backlight control shield
- Meets Buy American requirements within ARRA

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



CSA Test Report #: 6416
ARE-EDG-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,022



ARE-EDG-5M-**-12-E-UL-525-40K
Mounting Height: 25′ (7.6m) A.F.G.
Initial Delivered Lumens: 18,630
Initial FC at grade

IES Files
To obtain an IES file specific to your project consult:
http://www.cree.com/lighting/tools-and-support/exterior-ies-configuration-tool

Lumen Output, Electrical, and Lumen Maintenance Data

Type V Medium Distribution												
LED Count (x10)	5700K		4000K		System Watts 120–480V	TOTAL CURRENT						50K Hours Projected Lumen Maintenance Factor @ 15˚C (59˚F)***
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11		120V	208V	240V	277V	347V	480V	
350mA @ 25˚C (77˚F)												
06	6,926	B3 U0 G2	6,670	B3 U0 G2	66	0.52	0.31	0.28	0.26	0.20	0.15	93%
08	9,235	B3 U0 G2	8,893	B3 U0 G2	90	0.75	0.44	0.38	0.34	0.26	0.20	
10	11,516	B4 U0 G2	11,089	B4 U0 G2	110	0.92	0.53	0.47	0.41	0.32	0.24	
12	13,819	B4 U0 G3	13,307	B4 U0 G3	130	1.10	0.63	0.55	0.48	0.38	0.28	
14	16,020	B4 U0 G3	15,427	B4 U0 G3	158	1.32	0.77	0.68	0.62	0.47	0.35	
16	18,309	B4 U0 G3	17,631	B4 U0 G3	179	1.49	0.87	0.77	0.68	0.53	0.39	
20	22,886	B5 U0 G3	22,038	B5 U0 G3	220	1.84	1.06	0.93	0.83	0.64	0.47	
24	27,463	B5 U0 G4	26,446	B5 U0 G4	261	2.19	1.26	1.10	0.97	0.76	0.56	
525mA @ 25˚C (77˚F)												
04	6,539	B3 U0 G2	6,297	B3 U0 G2	70	0.58	0.34	0.31	0.28	0.21	0.16	92%
06	9,697	B3 U0 G2	9,338	B3 U0 G2	101	0.84	0.49	0.43	0.38	0.30	0.22	
08	12,929	B4 U0 G3	12,450	B4 U0 G3	133	1.13	0.66	0.58	0.51	0.39	0.28	
10	16,122	B4 U0 G3	15,525	B4 U0 G3	171	1.43	0.83	0.74	0.66	0.50	0.38	
12	19,347	B4 U0 G3	18,630	B4 U0 G3	202	1.69	0.98	0.86	0.77	0.59	0.44	
14	22,428	B5 U0 G3	21,598	B5 U0 G3	232	1.94	1.12	0.98	0.87	0.68	0.50	
16	25,632	B5 U0 G3	24,683	B5 U0 G3	263	2.21	1.27	1.11	0.97	0.77	0.56	
700mA @ 25˚C (77˚F)												
04	7,987	B3 U0 G2	7,691	B3 U0 G2	92	0.78	0.46	0.40	0.36	0.27	0.20	90%
06	11,844	B4 U0 G3	11,405	B4 U0 G2	134	1.14	0.65	0.57	0.50	0.39	0.29	

* Actual production yield may vary between -4 and +10% of initial delivered lumens.
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf.
*** For recommended lumen maintenance factor data see TD-13. Calculated L_{70} based on 6,000 hours LM-80-08 testing: > 150,000 hours.

© 2013 Cree, Inc. All rights reserved. For informational purposes only. Content is subject to change. See www.cree.com/patents for patents that cover these products. Cree®, the Cree logo, BetaLED®, NanoOptic®, the BetaLED Technology logo, and Colorfast DeltaGuard® are registered trademarks, and Cree Edge™ is a trademark of Cree, Inc. The UL logo is a registered trademark of UL LLC. DesignLights Consortium™ and the DLC QPL logo are trademarks of Northeast Energy Efficiency Partnerships, Inc.

www.cree.com/lighting T (800) 236-6800 F (262) 504-5415

ARE-EDG-5M-DA

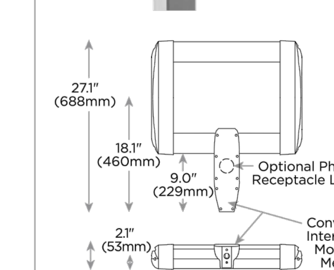
Cree Edge™ Area Luminaire – Type V Medium – Direct Arm Mount

Product Description

Slim, low profile design minimizes wind load requirements. Luminaire sides are rugged cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks. Convenient, interlocking mounting method. Mounting housing is rugged die cast aluminum and mounts to 3–6" (76–152mm) square or round pole. Luminaire is secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers.

Performance Summary

- Utilizes BetaLED® Technology
- Patented NanoOptic® Product Technology
- Made in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 5700K (+ / - 500K) Standard, 4000K (+ / - 300K)
- **Limited Warranty†:** 10 years on luminaire / 10 years on Colorfast DeltaGuard® finish
- **EPA and Weight:** Reference EPA and Weight spec sheet



LED Count (x10)	Dim. "A"
04	12.1" (306mm)
06	14.1" (357mm)
08	16.1" (408mm)
10	18.1" (459mm)
12	20.1" (510mm)
14	22.1" (560mm)
16	24.1" (611mm)
20	28.1" (713mm)
24	32.1" (814mm)

Accessories

Field Installed Accessories
XA-BRDSPK Bird Spikes

Ordering Information

Example: ARE-EDG-5M-DA-04-E-UL-SV-350-OPTIONS

ARE-EDG	5M	DA		E				
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
ARE-EDG	**5M** Type V Medium	**DA** Direct Arm	**04** **06** **08** **10** **12** **14** **16** **20** **24**	**E**	**UL** Universal 120–277V **UH** Universal 347–480V **34** 347V	**SV** Silver (Standard) **BK** Black **BZ** Bronze **PB** Platinum Bronze **WH** White	**350*** 350mA **525**** 525mA **700***** 700mA	**40K** 4000K Color Temperature - Color temperature per luminaire **DIM** 0–10V Dimming - Control by others - Refer to dimming spec sheet for details - Can't exceed specified drive current **F** Fuse - When code dictates fusing, use time delay fuse - Not available with all ML options. Refer to ML spec sheet for availability with ML options **HL** Hi / Low (175 / 350 / 525 Dual Circuit Input) - Refer to ML spec sheet for details - Sensor not included **P** Photocell - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Must specify voltage other than UH **R** NEMA Photocell Receptacle - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Photocell by others **ML** Multi-Level - Refer to ML spec sheet for details

† See www.cree.com/lighting/products/warranty for warranty terms
* Available on luminaires with 60–240 LEDs.
** Available on luminaires with 40–160 LEDs.
*** Available on luminaires with 40–60 LEDs.

BetaLED® TECHNOLOGY c(UL)us DLC Rev. Date: 09/27/13 CREE

www.cree.com/lighting T (800) 236-6800 F (262) 504-5415

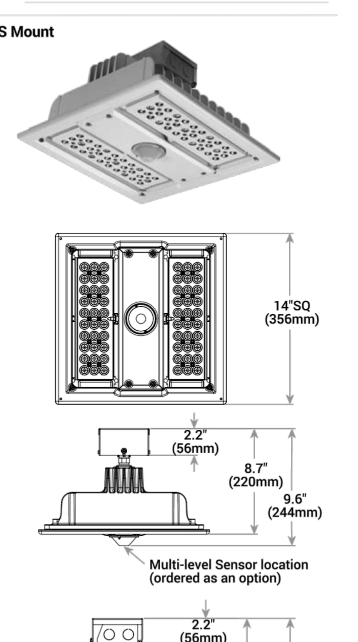
304 Series™

LED Recessed Canopy Luminaire

Product Description

Luminaire housing is constructed from rugged die cast aluminum components (RS Mount) or die cast and extruded aluminum components (RD Mount). LED driver is mounted in a sealed weathertight center chamber that allows for access from below the fixture. Luminaire mounts directly to the canopy deck and is secured in place with die cast aluminum trim frame. Luminaire housing is provided with factory applied foam gasket that provides a watertight seal between luminaire housing and canopy deck. Suitable for use in single or double skin canopies with 16" (406 mm) wide panels. Designed for canopies of 19-22 gauge (maximum 0.040" [1 mm] thickness).
Applications: Petroleum stations, convenience stores, drive-thru banks and restaurants, retail and grocery

RS Mount



Performance Summary

- Patented NanoOptic® Product Technology
- Made in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 4000K (+/- 300K), 5700K (+/- 500K) standard
- **Limited Warranty†:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

† See www.cree.com/lighting/products/warranty for warranty terms

Accessories

Field-Installed
Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Weight
22.0 lbs. (9.9kg)

Ordering Information

Example: CAN-304-5M-RS-04-E-UL-SV-350

CAN-304				E				
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
CAN-304	**5M** Type V Medium **5S** Type V Short **PS** Petroleum Symmetric **SL** Sparkle Petroleum	**RS** Recessed Single Skin **RD** Recessed Double Skin	**04** **06**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700*** 700mA	**DIM** 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current **F** Fuse - When code dictates fusing use time delay fuse - Refer to ML spec sheet for availability with ML options **ML** Multi-Level - Refer to ML spec sheet for details **PML** Programmable Multi-Level - Refer to PML spec sheet for details **40K** 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire

* 60 LED luminaire requires marked spacing: 48" x 24" x 6" (1,219mm x 610mm x 152mm); 48" (1,219mm) center-to-center of adjacent luminaires, 24" (610mm) luminaire center to side building member, 6" (152mm) top of luminaire to overhead building member

c(UL)us RoHS DLC Rev. Date: V1 07/27/2015 CREE

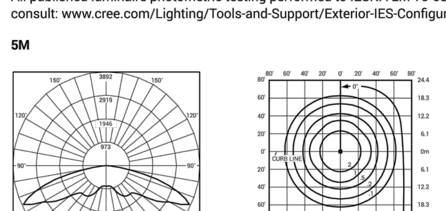
US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415 Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

304 Series™ LED Recessed Canopy Luminaire

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool

5M



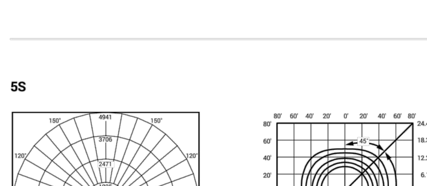
ITL Test Report #: 77285
PKG-304-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,681

CAN-304-5M-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m)
Initial Delivered Lumens: 11,613
Initial FC at grade

Type V Medium Distribution				
LED Count (x10)	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11
350mA				
04	4,600	B3 U1 G1	4,777	B3 U1 G1
06	6,831	B3 U1 G1	7,094	B3 U1 G2
525mA				
04	6,441	B3 U1 G1	6,688	B3 U1 G1
06	9,563	B3 U1 G2	9,931	B3 U1 G2
700mA				
04	7,821	B3 U1 G2	8,122	B3 U1 G2
06	11,613	B4 U1 G2	12,059	B4 U1 G2

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

5S



ITL Test Report #: 77876
PKG-304-5S-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,738

CAN-304-5S-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m)
Initial Delivered Lumens: 12,903
Initial FC at grade

Type V Short Distribution				
LED Count (x10)	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11
350mA				
04	5,112	B2 U1 G1	5,308	B2 U1 G1
06	7,590	B3 U1 G1	7,882	B3 U1 G1
525mA				
04	7,156	B3 U1 G1	7,432	B3 U1 G1
06	10,626	B3 U1 G2	11,035	B3 U1 G2
700mA				
04	8,690	B3 U1 G1	9,024	B3 U1 G1
06	12,903	B3 U1 G2	13,399	B4 U1 G2

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

CREE

US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415 Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

CSXW LED

LED Wall Luminaire

CONTOUR SERIES

Catalog Number
Notes
Type
Hit the Tab key or mouse over the page to see all interactive elements.

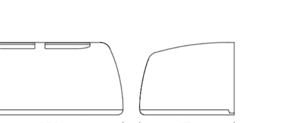
Introduction

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications.

The CSXW LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in wall-mounted applications with typical energy savings of 80% and expected service life of over 100,000 hours.

Specifications

- **Height:** 7-1/8" (29.2 cm)
- **Width:** 16-3/8" (41.6cm)
- **Depth:** 9-5/16" (23.6 cm)
- **Weight (max):** 30 lbs (13.6 kg)

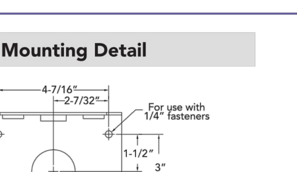


Ordering Information

EXAMPLE: CSXW LED 30C 700 40K T3M MVOLT DDBXD

CSXW LED								
Series	LEDs	Drive current	Color temperature[1]	Distribution	Voltage	Mounting	Options	Finish (required)
CSXW LED	30C 30 LEDs	700 700 mA; 1000 1000 mA	40K 4000K; 50K 5000K	T2M Type II, medium; T3M Type III, medium; T4M Type IV, medium; TFTM Type forward throw, medium	MVOLT[2]; 120[2]; 208[2]; 240[2]; 277[2]; 347[3]; 480[3]	Shipped included: (blank) Surface mount; Shipped separately: BBW Surface-mounted back box (for conduit entry)[4]	Shipped installed: PE Photoelectric cell, button type[5,6]; DMG 0-10V dimming driver (no controls); SF Single fuse (120, 277, 347V)[7]; DF Double fuse (208, 240, 480V)[7]; Shipped separately[4]: VG Vandal guard; WG Wire guard	DDBXD Dark bronze; DBLXD Black; DNAXD Natural aluminum; DWHXD White; DDBTXD Textured dark bronze; DBLBXD Textured black; DNATXD Textured natural aluminum; DWHGXD Textured white

Mounting Detail



Accessories

Ordered and shipped separately.

CSXWBBW DDBXD U	Back box accessory (specify finish)
CSXWWG U	Wire guard accessory
CSXWVG U	Vandal guard accessory

NOTES
1. Configured with 4000K (/40K) provides the shortest lead times. Consult factory for 5000K (/50K) lead times.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options) or photocontrol (PE option).
3. Available with 700 mA options only (30C 700).
4. Also available as a separate accessory; see Accessories information at left.
5. Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option.
6. Must be ordered with fixture; cannot be field installed.
7. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.

LITHONIA LIGHTING One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonia.com
© 2012-2015 Acuity Brands Lighting, Inc. All rights reserved.
CSXW-LED Rev. 04/30/15

ARE-EDG-5M-DA

Product Specifications

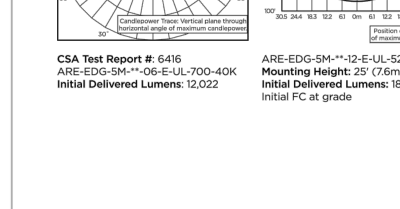
CONSTRUCTION & MATERIALS
- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartments and high performance heat sinks
- Convenient interlocking mounting method. Mounting housing is rugged die cast aluminum mounting to 3–6" (76–152mm) square or round pole, secured by two 5 / 16-18 UNC bolts spaced on 2" (51mm) centers
- Includes leaf / debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Standard is silver. Bronze, black, white, and platinum bronze are also available

ELECTRICAL SYSTEM
- **Input Voltage:** 120–277V or 347–480V, 50 / 60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight electrical box with terminal strips (12Ga–20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C / D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS
- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE / ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Product qualified on the DesignLights Consortium™ ("DLC") Qualified Products List ("QPL") when ordered without full backlight control shield
- Meets Buy American requirements within ARRA

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



CSA Test Report #: 6416
ARE-EDG-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,022

ARE-EDG-5M-**-12-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 18,630
Initial FC at grade

IES Files
To obtain an IES file specific to your project consult:
http://www.cree.com/lighting/tools-and-support/exterior-ies-configuration-tool

Lumen Output, Electrical, and Lumen Maintenance Data

Type V Medium Distribution												
LED Count (x10)	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	System Watts 120–480V	Total Current 120V	208V	240V	277V	347V	480V	50K Hours Projected Lumen Maintenance Factor @ 15°C (59°F)***
350mA @ 25°C (77°F)												
06	6,926	B3 U0 G2	6,670	B3 U0 G2	66	0.52	0.31	0.28	0.26	0.20	0.15	93%
08	9,235	B3 U0 G2	8,893	B3 U0 G2	90	0.75	0.44	0.38	0.34	0.26	0.20	
10	11,516	B4 U0 G2	11,089	B4 U0 G2	110	0.92	0.53	0.47	0.41	0.32	0.24	
12	13,819	B4 U0 G3	13,307	B4 U0 G3	130	1.10	0.63	0.55	0.48	0.38	0.28	
14	16,020	B4 U0 G3	15,427	B4 U0 G3	158	1.32	0.77	0.68	0.62	0.47	0.35	
16	18,309	B4 U0 G3	17,631	B4 U0 G3	179	1.49	0.87	0.77	0.68	0.53	0.39	
20	22,886	B5 U0 G3	22,038	B5 U0 G3	220	1.84	1.06	0.93	0.83	0.64	0.47	
24	27,463	B5 U0 G4	26,446	B5 U0 G4	261	2.19	1.26	1.10	0.97	0.76	0.56	
525mA @ 25°C (77°F)												
04	6,539	B3 U0 G2	6,297	B3 U0 G2	70	0.58	0.34	0.31	0.28	0.21	0.16	92%
06	9,697	B3 U0 G2	9,338	B3 U0 G2	101	0.84	0.49	0.43	0.38	0.30	0.22	
08	12,929	B4 U0 G3	12,450	B4 U0 G3	133	1.13	0.66	0.58	0.51	0.39	0.28	
10	16,122	B4 U0 G3	15,525	B4 U0 G3	171	1.43	0.83	0.74	0.66	0.50	0.38	
12	19,347	B4 U0 G3	18,630	B4 U0 G3	202	1.69	0.98	0.86	0.77	0.59	0.44	
14	22,428	B5 U0 G3	21,598	B5 U0 G3	232	1.94	1.12	0.98	0.87	0.68	0.50	
16	25,632	B5 U0 G3	24,683	B5 U0 G3	263	2.21	1.27	1.11	0.97	0.77	0.56	
700mA @ 25°C (77°F)												
04	7,987	B3 U0 G2	7,691	B3 U0 G2	92	0.78	0.46	0.40	0.36	0.27	0.20	90%
06	11,844	B4 U0 G3	11,405	B4 U0 G2	134	1.14	0.65	0.57	0.50	0.39	0.29	

* Actual production yield may vary between -4 and +10% of initial delivered lumens.
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf.
*** For recommended lumen maintenance factor data see TD-13. Calculated L_{70} based on 6,000 hours LM-80-08 testing: > 150,000 hours.

© 2013 Cree, Inc. All rights reserved. For informational purposes only. Content is subject to change. See www.cree.com/patents for patents that cover these products. Cree®, the Cree logo, BetaLED®, NanoOptic®, the BetaLED Technology logo, and Colorfast DeltaGuard® are registered trademarks, and Cree Edge™ is a trademark of Cree, Inc. The UL logo is a registered trademark of UL LLC. DesignLights Consortium™ and the DLC QPL logo are trademarks of Northeast Energy Efficiency Partnerships, Inc.

CREE

www.cree.com/lighting T (800) 236-6800 F (262) 504-5415

304 Series™ LED Recessed Canopy Luminaire

Product Specifications

CONSTRUCTION & MATERIALS
- RS Mount luminaire housing is constructed from rugged die cast aluminum and incorporates integral, high performance heatsink fins specifically designed for LED canopy applications
- RD Mount luminaire housing is constructed from rugged die cast aluminum and features high performance extruded aluminum heatsinks specifically designed for LED canopy applications
- LED driver is mounted in a sealed weathertight center chamber that allows for access from below the luminaire
- Field adjustable drive current between 350mA, 525mA and 700mA on Non-IC rated luminaires
- Luminaire housing provided with factory applied foam gasket and provides for a watertight seal between luminaire housing and canopy deck
- Mounts directly to the canopy deck and is secured in place with a die cast aluminum trim frame
- RS mount includes integral junction box which allows ease of installation without need to open luminaire
- Suitable for use in single (RS Mount) or double (RD Mount) skin canopies with 16" (406mm) wide panels
- Designed for canopies of 19-22 gauge (maximum 0.040" [1mm] thickness)
- See 228 Series™ canopy luminaires for canopies using 12" (305mm) deck sections
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available

ELECTRICAL SYSTEM
- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **10V Source Current:** 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS
- cULus Listed
- Suitable for wet locations
- Meets FCC Part 15 standards for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified when ordered with PS or SL optics and 525 or 700mA drive current. Please refer to www.designlights.org/QPL for most current information
- RoHS Compliant. Consult factory for additional details
- Meets Buy American requirements within ARRA

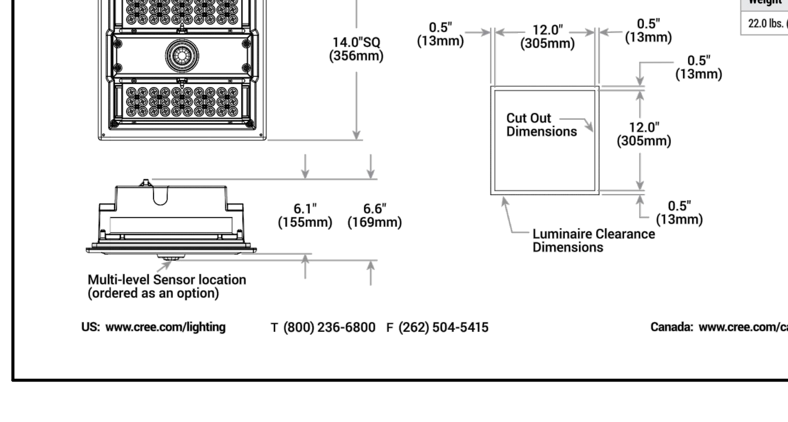
Electrical Data*							
LED Count (x10)	System Watts 120-480V	Total Current 120V	208V	240V	277V	347V	480V
350mA							
04	46	0.39	0.24	0.22	0.21	0.15	0.12
06	69	0.57	0.34	0.30	0.27	0.21	0.16
525mA							
04	71	0.59	0.35	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
700mA							
04	94	0.79	0.46	0.40	0.36	0.28	0.21
06	135	1.14	0.65	0.57	0.50	0.40	0.29

* Electrical data at 25°C (77°F)

Recommended 304 Series™ Lumen Maintenance Factors (LMF)[1]					
Ambient	Initial LMF	25K hr Projected[2] LMF	50K hr Projected[2] LMF	75K hr Calculated[3] LMF	100K hr Calculated[3] LMF
5°C (41°F)	1.04	0.99	0.97	0.95	0.93
10°C (50°F)	1.03	0.98	0.96	0.94	0.92
15°C (59°F)	1.02	0.97	0.95	0.93	0.91
20°C (68°F)	1.01	0.96	0.94	0.92	0.90
25°C (77°F)	1.00	0.95	0.93	0.91	0.89

[1] Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
[2] In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)
[3] In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

RD Mount



Weight
22.0 lbs. (9.9kg)

CREE

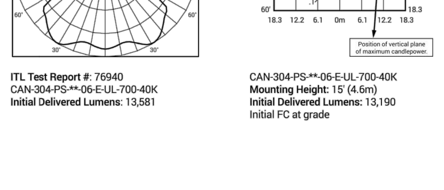
US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415 Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

304 Series™ LED Recessed Canopy Luminaire

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool

PS



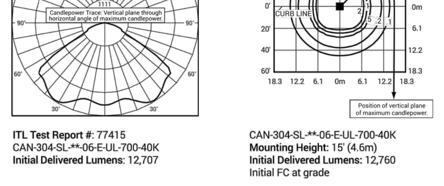
ITL Test Report #: 76940
CAN-304-PS-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,581

CAN-304-PS-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m)
Initial Delivered Lumens: 13,190
Initial FC at grade

Petroleum Symmetric Distribution				
LED Count (x10)	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11
350mA				
04	5,225	B2 U0 G0	5,426	B2 U0 G0
06	7,759	B3 U0 G0	8,057	B3 U0 G0
525mA				
04	7,315	B3 U0 G0	7,597	B3 U0 G0
06	10,862	B3 U0 G0	11,280	B3 U0 G0
700mA				
04	8,883	B3 U0 G0	9,225	B3 U0 G0
06	13,190	B3 U0 G0	13,697	B3 U0 G0

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

SL



ITL Test Report #: 77415
CAN-304-SL-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,707

CAN-304-SL-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m)
Initial Delivered Lumens: 12,760
Initial FC at grade

Sparkle Petroleum Distribution				
LED Count (x10)	4000K Initial Delivered Lumens*	4000K BUG Ratings** Per TM-15-11	5700K Initial Delivered Lumens*	5700K BUG Ratings** Per TM-15-11
350mA				
04	5,055	B2 U0 G1	5,249	B2 U0 G1
06	7,506	B2 U0 G1	7,794	B3 U0 G1
525mA				
04	7,077	B2 U0 G1	7,349	B2 U0 G1
06	10,508	B3 U0 G1	10,912	B3 U0 G1
700mA				
04	8,593	B3 U0 G1	8,924	B3 U0 G1
06	12,760	B3 U0 G1	13,250	B3 U0 G1

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

© 2015 Cree, Inc. and/or one of its subsidiaries. All rights reserved. For informational purposes only. Content is subject to change. Patent www.cree.com/patents. Cree®, NanoOptic®, and Colorfast DeltaGuard® are registered trademarks, and the Cree logo, 228 Series™, and 304 Series™ are trademarks of Cree, Inc. The UL logo is a registered trademark of UL LLC. The DLC QPL is a registered trademark of Northeast Energy Efficiency Partnerships, Inc.

CREE

US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415 Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

Performance Data

Lumen Output

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

LEDs	Drive Current (mA)	Performance Package	System Watts	Dist. Type	40K (4000K, 70 CRI) Lumens	B	U	G	LPW	50K (5000K, 67 CRI) Lumens	B	U	G	LPW
30C (30 LEDs)	700 mA	30C 700 --K	69W	T2M	6,695	2	0	2	97	7,183	2	0	2	104
				T3M	7,068	2	0	2	102	7,582	2	0	2	110
				T4M	7,017	2	0	2	102	7,528	2	0	2	109
				TFTM	7,158	2	0	2	104	7,679	2	0	2	111
	1000 mA	30C 1000 --K	104W	T2M	8,868	2	0	2	85	9,560	2	0	2	92
				T3M	9,361	2	0	2	90	10,091	2	0	2	97
				T4M	9,293	2	0	2	89	10,018	2	0	2	96
				TFTM	9,481	2	0	2	91	10,220	2	0	2	98

Lumen Ambient Temperature (LAT) Multipliers

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

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

Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.94	0.91	0.85

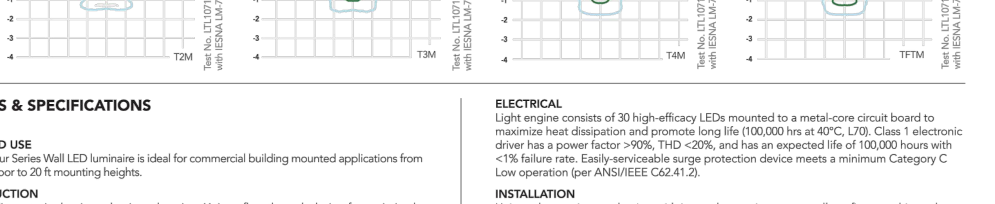
Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A) 120V	208V	240V	277V	347V	480V
30C	700	70W	0.695	0.412	0.367	0.331	0.247	0.186
	1000	104W	1.034	0.599	0.528	0.472	0.382	0.302

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's CSXW homepage.

Isofootcandle plots for the CSXW LED 30C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE
The Contour Series Wall LED luminaire is ideal for commercial building mounted applications from over-the-door to 20 ft mounting heights.

CONSTRUCTION
Rugged, die-cast, single-piece aluminum housing. Unique flow-through design for optimized thermal management. Modularity allows for ease of maintenance and potential for future system upgrades. Metallic screen covers the top of the housing, preventing debris build-up while allowing for air flow. Housing is completely sealed against moisture and environmental contaminants.

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

OPTICS
Precision-molded acrylic lenses provide optimal luminaire spacing and improved uniformity. Lenses are indexed to the circuit board to ensure consistent optical alignment and delivering repeatable photometric performance. Light engines are available in standard 4000K (70 CRI) or optional 5000K (67 CRI) configurations. The CSXW has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of 30 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L70). Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with every installation.

LISTINGS
CSA Certified to U.S. and Canadian standards. Rated for -40°C minimum ambient. Light engine is IP66 rated. Luminaire is IP65 rated.

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

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

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

LITHONIA LIGHTING One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonia.com
© 2012-2015 Acuity Brands Lighting, Inc. All rights reserved.
CSXW-LED Rev. 04/30/15

Ascension Group Architects LLP
Architecture
Planning
Interior Design
1250 E. Copeland Rd. Suite 500
Arlington, Texas 76011
tel 817.226.1917
fax 817.226.1919
www.ascensiongroup.biz

Adeptus HEALTH | PMRG PM Realty Group

Registered Professional Engineer (Electrical) CERTIFICATE 37410 JOHN G. PIAZZA Date Signed ARIZONA, U.S.A.
Exp: 3-31-18

DIGNITY HEALTH
ARIZONA GENERAL HOSPITAL
Elliot Rd. and Ellsworth Rd.
Mesa, AZ 85212

Revisions:

Drawn By: CD
Checked By: JP
Issue Date:
Project No:

Sheet No:
SL1.02
SITE PLAN - PHOTOMETRIC ANALYSIS

CSXW LED
LED Wall Luminaire

CONTOUR SERIES

Catalog Number

Notes

Type

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

Introduction

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications.

The CSXW LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in wall-mounted applications with typical energy savings of 80% and expected service life of over 100,000 hours.

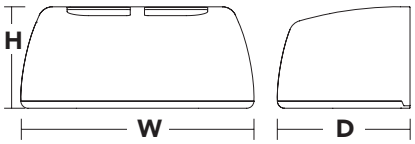
Specifications

Height: 7-1/8″ *(29.2 cm)*

Width: 16-3/8″ *(41.6cm)*

Depth: 9-5/16″ *(23.6 cm)*

Weight (max): 30 lbs *(13.6 kg)*



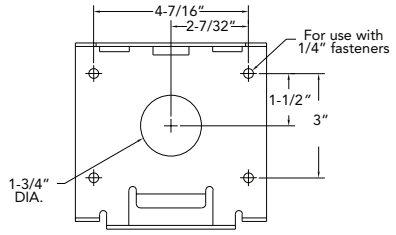
Ordering Information

EXAMPLE: CSXW LED 30C 700 40K T3M MVOLT DDBXD

CSXW LED

Series	LEDs	Drive current	Color temperature[1]	Distribution	Voltage	Mounting	Options	Finish *(required)*
CSXW LED	30C 30 LEDs	700 700 mA 1000 1000 mA	40K 4000K 50K 5000K	T2M Type II, medium T3M Type III, medium T4M Type IV, medium TFTM Type forward throw, medium	MVOLT[2] 120[2] 208[2] 240[2] 277[2] 347[3] 480[3]	**Shipped included** (blank) Surface mount **Shipped separately** BBW Surface-mounted back box (for conduit entry)[4]	**Shipped installed** PE Photoelectric cell, button type[5,6] DMG 0-10V dimming driver (no controls) SF Single fuse (120, 277, 347V)[7] DF Double fuse (208, 240, 480V)[7] **Shipped separately**[4] VG Vandal guard WG Wire guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Mounting Detail



Accessories

Ordered and shipped separately.

CSXWBBW DDBXD U	Back box accessory (specify finish)
CSXWWG U	Wire guard accessory
CSXWVG U	Vandal guard accessory

NOTES

1. Configured with 4000K (/40K) provides the shortest lead times. Consult factory for 5000K (/50K) lead times.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options) or photocontrol (PE option).
3. Available with 700 mA options only (30C 700).
4. Also available as a separate accessory; see Accessories information at left.
5. Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option.
6. Must be ordered with fixture; cannot be field installed.
7. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.

© 2012-2015 Acuity Brands Lighting, Inc. All rights reserved.

Performance Data

Lumen Output

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

LEDs	Drive Current (mA)	Performance Package	System Watts	Dist. Type	40K (4000K, 70 CRI)					50K (5000K, 67 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	700 mA	30C 700 --K	69W	T2M	6,695	2	0	2	97	7,183	2	0	2	104
				T3M	7,068	2	0	2	102	7,582	2	0	2	110
				T4M	7,017	2	0	2	102	7,528	2	0	2	109
				TFTM	7,158	2	0	2	104	7,679	2	0	2	111
	1000 mA	30C 1000 --K	104W	T2M	8,868	2	0	2	85	9,560	2	0	2	92
				T3M	9,361	2	0	2	90	10,091	2	0	2	97
				T4M	9,293	2	0	2	89	10,018	2	0	2	96
				TFTM	9,481	2	0	2	91	10,220	2	0	2	98

Lumen Ambient Temperature (LAT) Multipliers

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

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

Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.94	0.91	0.85

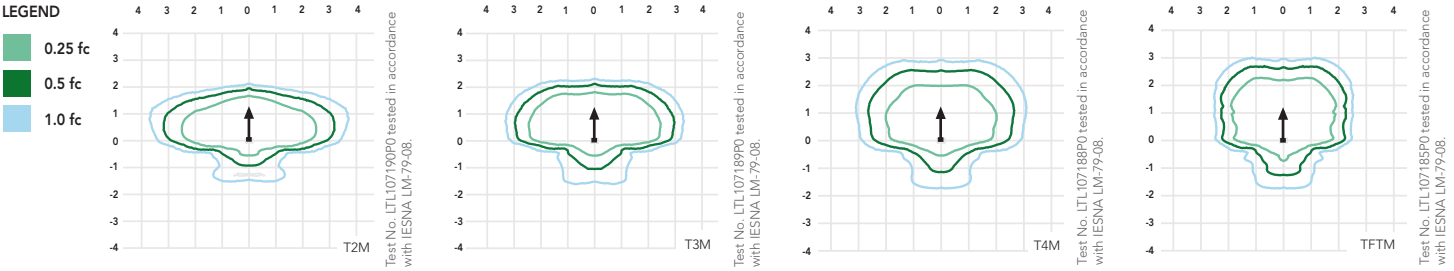
Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120V	208V	240V	277V	347V	480V
30C	700	70W	0.695	0.412	0.367	0.331	0.247	0.186
	1000	104W	1.034	0.599	0.528	0.472	0.382	0.302

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's CSXW homepage.

Isofootcandle plots for the CSXW LED 30C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE
The Contour Series Wall LED luminaire is ideal for commercial building mounted applications from over-the-door to 20 ft mounting heights.

CONSTRUCTION
Rugged, die-cast, single-piece aluminum housing. Unique flow-through design for optimized thermal management. Modularity allows for ease of maintenance and potential for future system upgrades. Metallic screen covers the top of the housing, preventing debris build-up while allowing for air flow. Housing is completely sealed against moisture and environmental contaminants.

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

OPTICS
Precision-molded acrylic lenses provide optimal luminaire spacing and improved uniformity. Lenses are indexed to the circuit board to ensure consistent optical alignment and delivering repeatable photometric performance. Light engines are available in standard 4000K (70 CRI) or optional 5000K (67 CRI) configurations. The CSXW has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of 30 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L70). Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with every installation.

LISTINGS
CSA Certified to U.S. and Canadian standards. Rated for -40°C minimum ambient. Light engine is IP66 rated. Luminaire is IP65 rated.

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

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

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

© 2012-2015 Acuity Brands Lighting, Inc. All rights reserved.