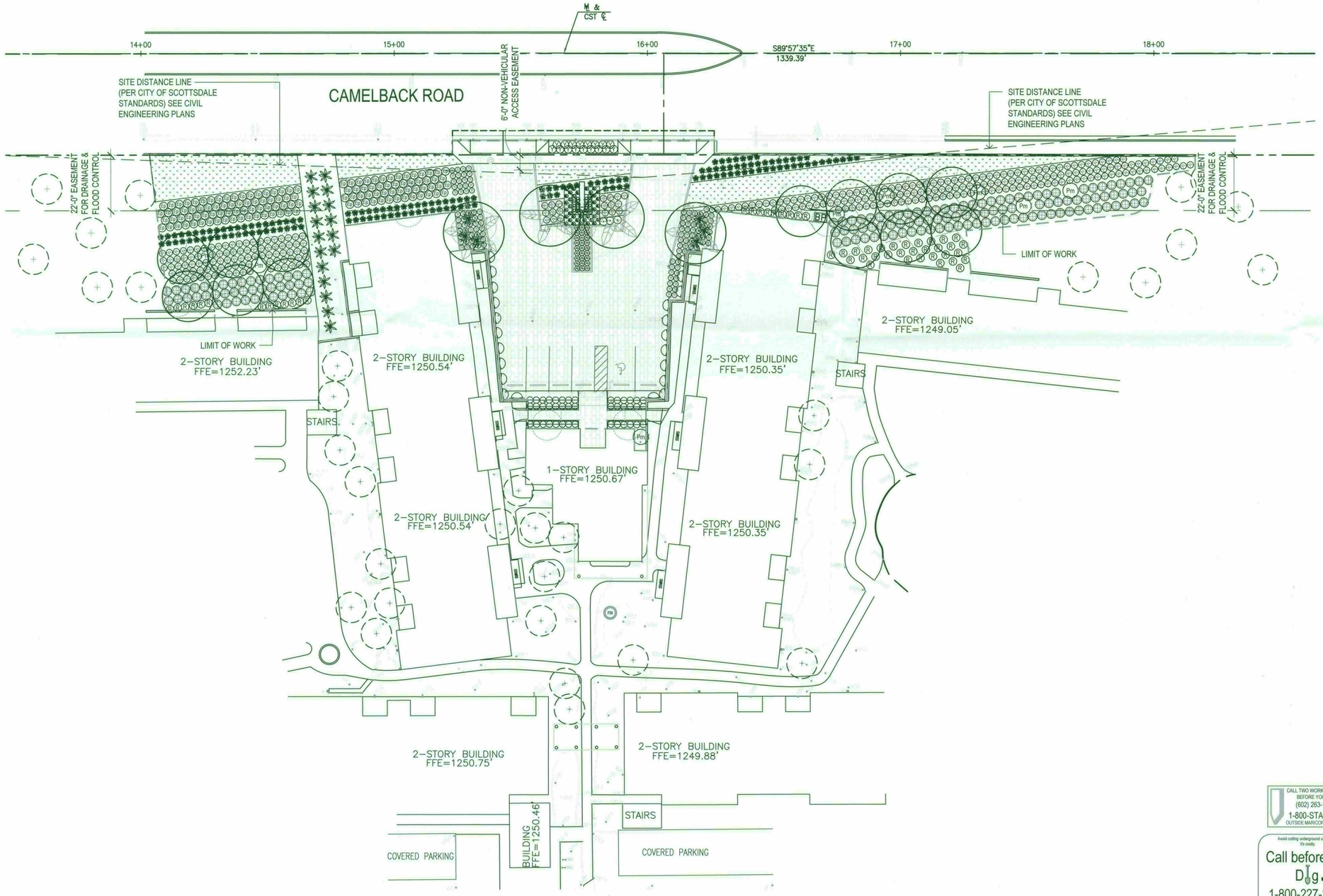
Final Approved Stamped Plans
Full Size



PLANT MATERIALS LEGEND

Plant Name		
Trees		
Acacia smallii Sweet Acacia	24" Box	13
Phoenix dactylifera Date Palm	18' H Min.	4
Existing Trees To Remain		
Existing Trees To Be Removed		13
Medium Shrubs	**Size**	**Quantity**
Eremophila glabra spp. caranosa Winter Blaze	5 gal.	3
Ruellia brittoniana Ruellia	5 gal.	53
Groundcovers	**Size**	**Quantity**
Eremophila prostrata 'Outback Sunrise' Outback Sunrise Eremophila	1 gal	126
Lantana sp. 'New Gold' Lantana	1 gal.	17
Teucrium chamaedrys 'prostratum' Prostrate Germander	1 gal.	108
Cacti/ Accents	**Size**	**Quantity**
Agave 'Blue Glow Blue Glow Agave	5 gal.	16
Agave sisalana Sisal Agave	15 gal.	23
Aloe barbadensis Medicinal Aloe	5 Gal.	27
Bouteloua gracilis Blond Ambition	1 gal	284
Echinocereus grusonii Golden Barrel	5 gal./15 gal.	35
Hesperaloe funifera Giant Hesperaloe	5 gal	142
Pachycereus marginatus Mexican Fence Post	3 arm, 4' min.	8
Pedilanthus microcarpus Slipper Plant	5 gal.	42
Yucca pallida Pale Leaf Yucca	5 gal	146
Vines	**Size**	**Quantity**
Bougainvillea 'San Diego Red' Bougainvillea	5 gal	24

LANDSCAPE MATERIALS

No Symbol	Decomposed Granite To match existing (Size & Color)	10,700 s.f.
	Turf Midiron Sod	1,295 s.f.

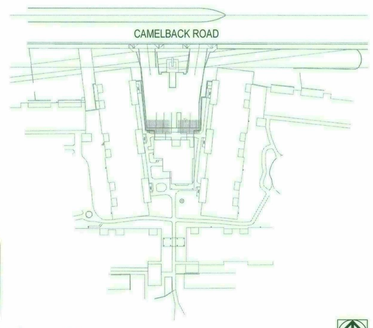
LANDSCAPE AREA

ROW AREA : 113 S.F.
PARKING LOT AREA : 990 S.F.
ON-SITE AREA : 12,512 S.F.

20' 40' 60'

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

Avoid cutting underground utility lines. It's costly.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)



Key Map Not To Scale

APPROVED
FINAL PLANS PLANNING
11/26/17
DATE
APPROVED BY

andersonbaron
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50 n. mcclintock drive, ste 1
chandler, arizona 85226
ph. 480.699.7956 f.480.699.7986

CERTIFICATE NO. 31268
BRETT H. ANDERSON
REGISTERED
LANDSCAPE
ARCHITECT
EXP. 3-31-18

Visconti
Leasing Office & Parking Lot Improv.
Scottsdale, AZ 85251
Planting Plan

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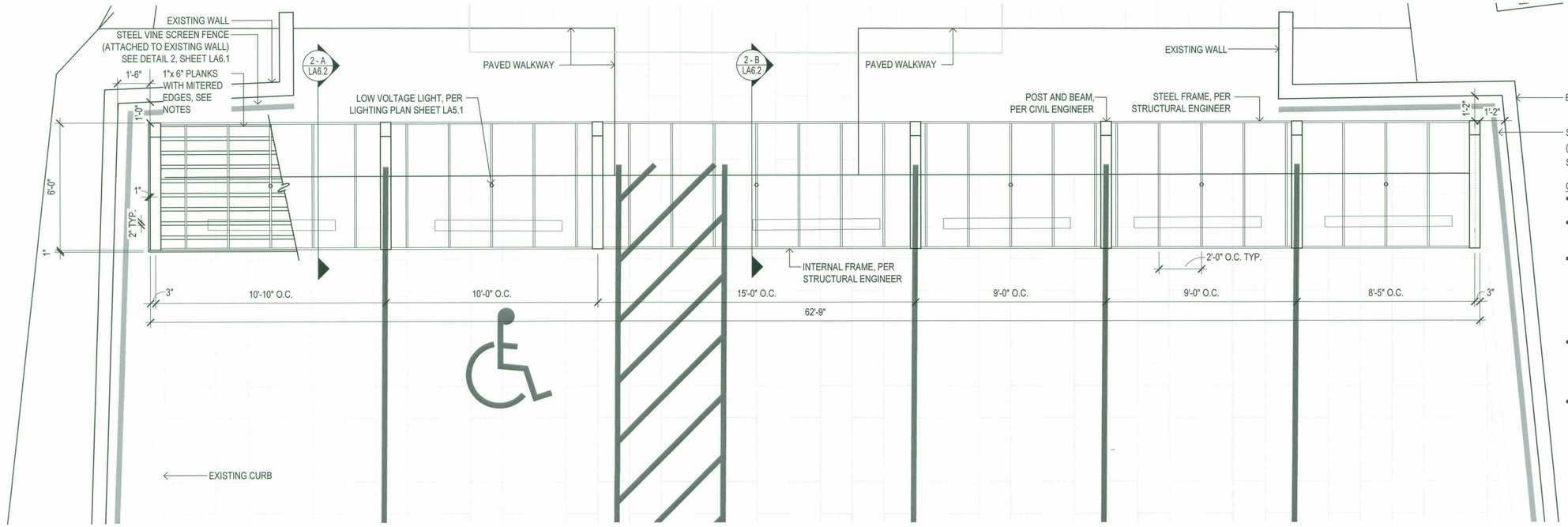
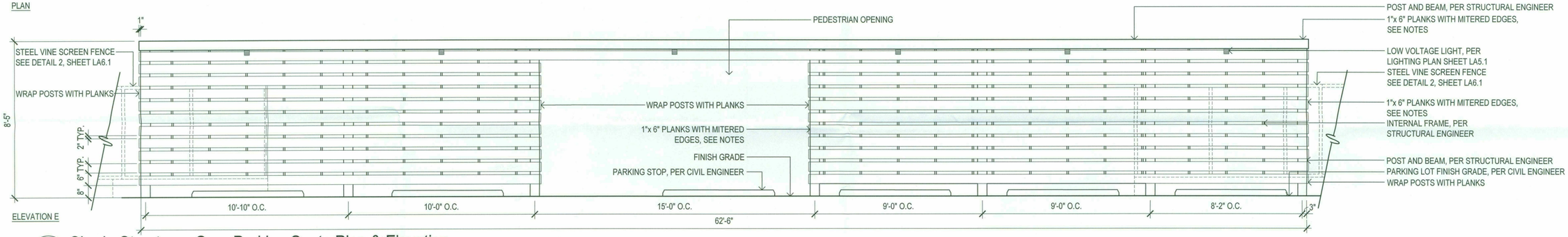
revisions
1
2
3

issued for
- ☐ design dev.
- ☐ progress set
- ■ city submittal 9/29/2017
- ☐ bid package
- ☐ construction

title	Planting Plan
date issued	09.29.17
scale	1" = 20'-0"
drawn by	TH, JQ, BH
checked by	BA
project number	156-001-16
review number	
sheet number	LA3.1



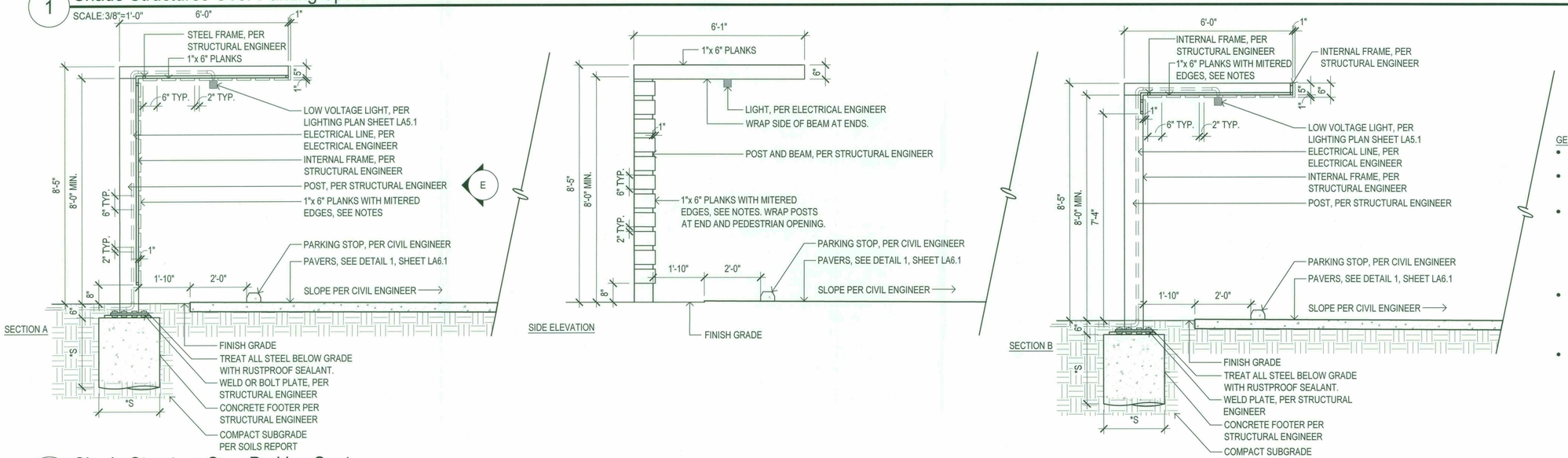
PLAN



ELEVATION E

1 Shade Structures Over Parking Spots Plan & Elevation

SCALE: 3/8"=1'-0"



SECTION A

SIDE ELEVATION

SECTION B

2 Shade Structure Over Parking Spots

SCALE: 1/2"=1'-0"

- EXISTING WALL
- STEEL VINE SCREEN FENCE (ATTACHED TO EXISTING WALL) SEE DETAIL 2, SHEET LA6.1
- 1"x 6" PLANKS WITH MITERED EDGES, SEE NOTES
- LOW VOLTAGE LIGHT, PER LIGHTING PLAN SHEET LA5.1
- INTERNAL FRAME, PER STRUCTURAL ENGINEER
- POST AND BEAM, PER CIVIL ENGINEER
- STEEL FRAME, PER STRUCTURAL ENGINEER
- INTERNAL FRAME, PER STRUCTURAL ENGINEER
- 1"x 6" PLANKS WITH MITERED EDGES, SEE NOTES
- POST AND BEAM, PER STRUCTURAL ENGINEER
- 1"x 6" PLANKS WITH MITERED EDGES, SEE NOTES
- PARKING LOT FINISH GRADE, PER CIVIL ENGINEER
- WRAP POSTS WITH PLANKS
- INTERNAL FRAME, PER STRUCTURAL ENGINEER
- 1"x 6" PLANKS
- LIGHT, PER ELECTRICAL ENGINEER
- WRAP SIDE OF BEAM AT ENDS.
- POST AND BEAM, PER STRUCTURAL ENGINEER
- 1"x 6" PLANKS WITH MITERED EDGES, SEE NOTES. WRAP POSTS AT END AND PEDESTRIAN OPENING.
- PARKING STOP, PER CIVIL ENGINEER
- PAVERS, SEE DETAIL 1, SHEET LA6.1
- SLOPE PER CIVIL ENGINEER
- FINISH GRADE
- LOW VOLTAGE LIGHT, PER LIGHTING PLAN SHEET LA5.1
- ELECTRICAL LINE, PER ELECTRICAL ENGINEER
- INTERNAL FRAME, PER STRUCTURAL ENGINEER
- POST, PER STRUCTURAL ENGINEER
- PARKING STOP, PER CIVIL ENGINEER
- PAVERS, SEE DETAIL 1, SHEET LA6.1
- SLOPE PER CIVIL ENGINEER
- FINISH GRADE
- TREAT ALL STEEL BELOW GRADE WITH RUSTPROOF SEALANT.
- WELD PLATE, PER STRUCTURAL ENGINEER
- CONCRETE FOOTER PER STRUCTURAL ENGINEER
- COMPACT SUBGRADE PER SOILS REPORT

GENERAL NOTE:

- *S SEE STRUCTURAL ENGINEERING FOR DIMENSIONS OF FOOTERS AND STEEL REINFORCEMENT.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- ALL STEEL COMPONENTS TO BE PAINTED AND GRIND ALL WELDS SMOOTH;
  COLOR: IRON ORE (SW 7069)
  COMPANY: SHERWIN-WILLIAMS
  CONTRACTOR TO SUBMIT COLOR SAMPLE TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- NEW TECHWOOD
  MODEL: ULTRA SHIELD BOARDS: CORTES SERIES US07
  1"x 6" PLANKS
  COLOR: SPANISH WALNUT
- NEW TECHWOOD ULTRASHIELD DECKING BOARDS, (ATTACHED TO FRAME (POST AND BEAMS) PER MANUFACTURER RECOMMENDATIONS) WITH MITERED EDGES AT POINTS OF CONNECTION.

APPROVED
FINAL PLANS PLANNING
11/28/17
DATE
APPROVED BY

GENERAL NOTE:

- *S SEE STRUCTURAL ENGINEERING FOR DIMENSIONS OF FOOTERS AND STEEL REINFORCEMENT.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- ALL STEEL COMPONENTS TO BE PAINTED AND GRIND ALL WELDS SMOOTH;
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REGISTERED LANDSCAPE ARCHITECT
CERTIFICATE NO.
31268
BRETT H. ANDERSON
ARIZONA U.S.A.
EXP. 3-31-18

Visconti Leasing Office & Parking Lot Improv.

Scottsdale, AZ 85251

Construction Details

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revisions
1
2
3

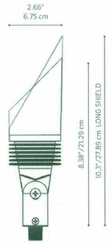
issued for
- ☐ design dev.
- ☐ progress set
- ■ city submittal 9/29/2017
- ☐ bid package
- ☐ construction

title: Construction Details
date issued: 09.29.17
scale: Per Detail
drawn by: TH, JQ, BH
checked by: BA
project number: 156-001-16
review number
sheet number: LA6.2

The NP is our most versatile LED up light, and is engineered to accommodate all aspects of your up lighting needs. By coupling the proper light intensity with one of the provided color filters, you can fine-tune the NP to beautifully enhance every landscape feature.

NP: Up Light

NUMBER OF LEDS:	1	3	6	9
HALOGEN LUMEN OUTPUT EQUIVALENT:	10 Watt	20 Watt	35 Watt	50 Watt
USEFUL LED LIFE (L70):	50,000 hrs avg	50,000 hrs avg	50,000 hrs avg	50,000 hrs avg
INPUT VOLTAGE:	10 to 15V	10 to 15V	10 to 15V	10 to 15V
VA TOTAL*: (Use this number to size the transformer)	2.4	4.5	13.5	13.5
WATTS USED:	2.0	4.2	10.1	11.2
LUMENS PER WATT (EFFICACY)	25.4	31	31.8	31.1
MAX LUMENS:	52	135	279	357
CCT (Ra)	68.5	67.9	80.2	67.5



Learn more about FX Luminaire up lights. Visit: fxl.com 760.744.5240

NP: Up Light

< LONG SHIELD

FACTORY INSTALLED OPTIONS: Order 1 + 2 (optional) + 3 + 4 (optional) + 5

Step	Description	Code
1	FIXTURE	NP
2	OPTIONAL ZD	ZD *(Refer to the Luxor page in the Lighting Control section)*
3	LAMP	1LED, 3LED, 6LED, 9LED *(50,000 avg. life hours)*
4	OPTIONAL SHIELD	LS *(Long shield)*
5	FINISH	WG, FW, AL, BZ, DG, WI, VF, SB, FB

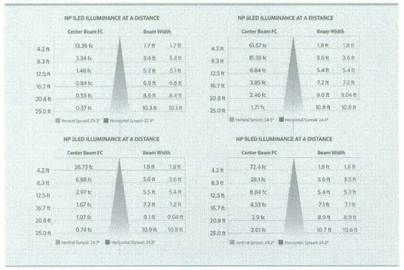
EXAMPLE: NP-ZD-9LED-LS-DG = **NP - ZD Option - 9LED Board - Long Shield - Desert Granite Finish**

FIELD INSTALLED OPTIONS: Order Individually

Mounts	Beam Angle Lenses			
Long Slot Spike *(2500158400000) 2.5" x 10"*	LENS OPTIONS	1LED	3LED	6/9LED
SuperJ-Box *(SJ-XX**) 2.5" x 12"*	**Diffuser** 18° *(preassembled)*	770600	771300	771600
Post Mount *(PM-XX**) 2.5" x 13"*	**Flood Lens** 30-32° *(1 notch)*	1LEDFLLENS	3LEDFLLENS	9LEDFLLENS
	Wide Flood Lens 56-58° *(2 notches)*	1LEDWFLLENS	3LEDWFLLENS	9LEDWFLLENS

EXAMPLE: 2500158400000 = **Long Slot Spike**

PHOTOMETRICS:



POWDER COAT

- **WG** = White Gloss
- **FW** = Flat White
- **AL** = Almond
- **BZ** = Bronze Metallic
- **DG** = Desert Granite
- **WI** = Weathered Iron
- **VF** = Verde Speckle
- **SB** = Sedona Brown
- **FB** = Flat Black

The NP includes choice of LED board, choice of finish, 4 ft lead wire and a Super Slot Spike.

All NP up lights come standard with amber, green, blue and frosted filters

Beam angle is calculated using LM-79 method for SSL Luminaires:
"Beam angle is defined as two times the vertical angle at which the intensity is 50% of the maximum."

*** Denotes finish code*

c UL us LISTED 3YJ8

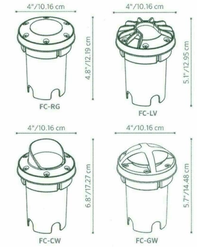
4/12 760.744.5240 | fxl.com FXLuminaire

The subterranean FC introduces glare-free controlled illumination into smaller spaces. The variety of faceplate and LED options allow the FC to solve many lighting problems.

FC: Well Light

NUMBER OF LEDS:	1	3	6	9	ZDC
HALOGEN LUMEN EQUIVALENT:	10 Watt	20 Watt	35 Watt	50 Watt	20 Watt
USEFUL LED LIFE (L70):	50,000 hrs avg	50,000 hrs avg	50,000 hrs avg	50,000 hrs avg	50,000 hrs avg
INPUT VOLTAGE:	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
VA TOTAL*:	2.4	4.5	13.5	13.5	11.0
WATTS USED:	2.0	4.2	10.1	11.2	9.4
LUMENS PER WATT (EFFICACY)	40	47	37	46	41
TOTAL LUMENS:	79	185	333	419	216
CRI (Ra)	79	81	79	78	83
CBCP (CENTER BEAM CANDLE POWER)	307	831	1242	1592	283
CCT:					
AMBER FILTER	2700K	2700K	2700K	2700K	N/A
FROSTED FILTER	3900K	3900K	3900K	3900K	N/A
GREEN FILTER	4500K	4500K	4500K	4500K	N/A
BLUE FILTER	5200K	5200K	5200K	5200K	N/A

*(Use to size the lighting controller)



LANDSCAPE LIGHTING *A Hunter Industries Companypany*

FC: Well Light

FACTORY INSTALLED OPTIONS: Order 1 + 2 (optional) + 3 + 4 + 5

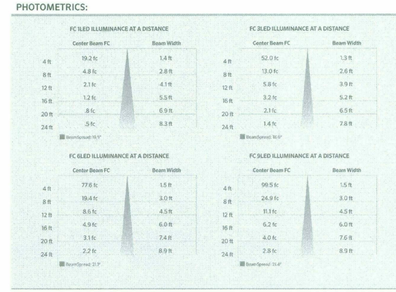
Step	Description	Code
1	FIXTURE	FC
2	LUXOR OPTION	ZD, ZDC† (Color)
3	LAMP	1LED, 3LED, 6LED, 9LED, _____†
4	FACEPLATE	RG (Ring), CW (Cowling), LV (Louver), GW-090, GW-180, GW-270, GW-360 (Ground Wash)
5	FINISH	AB*, AT*, NP*, BS, WG, FW, AL, BZ, DG, WI, SB, FB

EXAMPLE: FC-ZD-3LED-CW-FB = **FC - ZD Option - 3LED Board - Cowling Faceplate - Flat Black Finish**
† Fixtures specified with ZDC Technology™ are available only in one circuit board configuration.
Do not specify a number of LEDs when ordering.

FIELD INSTALLED OPTIONS: Order Individually

Beam Angle Lenses			
LENS OPTIONS	1LED	3LED	6/9LED
Diffuser 18-21° *(preassembled)*	770600	771300	771600
Flood Lens 30-32° *(1 notch)*	1LEDFLLENS	3LEDFLLENS	9LEDFLLENS
Wide Flood Lens 56-58° *(2 notches)*	1LEDWFLLENS	3LEDWFLLENS	9LEDWFLLENS

PHOTOMETRICS:



Beam angle is calculated using LM-79 method for SSL Luminaires:
"Beam angle is defined as two times the vertical angle at which the intensity is 50% of the maximum."

METALS

- **AB** = Antique Bronze* (On Brass)
- **AT** = Antique Tumbled* (On Brass)
- **NP** = Nickel Plate*
- **BS** = Natural Brass

POWDER COAT

- **WG** = White Gloss
- **FW** = Flat White
- **AL** = Almond
- **BZ** = Bronze Metallic
- **DG** = Desert Granite
- **WI** = Weathered Iron
- **SB** = Sedona Brown
- **FB** = Flat Blacky

The FC includes your choice of LED board, and choice of finish.

All FC well lights come standard with amber, green, blue and frosted filters

** May require longer lead time*

c UL us LISTED 3YJ8

3/19 **Learn more** Visit: fxl.com | 760.744.5240

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FINAL PLANS PLANNING
11/30/17 DATE
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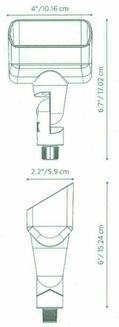
The PB is a compact LED wall wash lighting solution. Available in 1 or 3 LED with full color lens options of frosted, blue, amber, and green included. The wider angle of the PB allows a broader lighting option for larger structures and spaces. Engineered with solid construction, yet petite in size.

PB: Up Light

NUMBER OF LEDS:	1	3	ZDC
HALOGEN LUMEN EQUIVALENT:	10 Watt	20 Watt	10 Watt
USEFUL LED LIFE (L70):	50,000 hrs avg	50,000 hrs avg	50,000 hrs avg
INPUT VOLTAGE:	10 to 15V	10 to 15V	11 to 15V
VA TOTAL*:	2.4	4.5	7.2
WATTS USED:	2.0	4.2	6.0
LUMENS PER WATT (EFFICACY):	34	39	37
TOTAL LUMENS:	67	160	122
CRI (Ra):	83	82	83
CBCP (CENTER BEAM CANDLE POWER):	37	93	122
CCT			
AMBER FILTER	2700K	2700K	N/A
FROSTED FILTER	3900K	3900K	N/A
GREEN FILTER	4500K	4500K	N/A
BLUE FILTER	5200K	5200K	N/A

**(Use this number to size the transformer)*



LANDSCAPE LIGHTING *A Hunter Industries Companypany*

PB: Up Light

FACTORY INSTALLED OPTIONS: Order 1 + 2 (optional) + 3 + 4

Step	Description	Code
1	FIXTURE	PB
2	LUXOR OPTION	ZD, ZDC† (Color)
3	LAMP	1LED, 3LED, _____†
4	FINISH	AB*, AT*, NP*, BS, WG, FW, AL, BZ, DG, WI, SB, FB

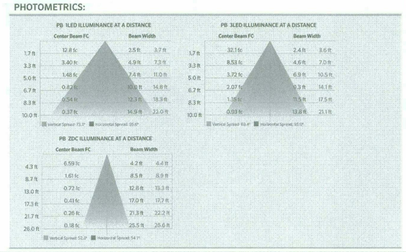
EXAMPLE: PB-ZD-3LED-AT = **PB - ZD Option - 3LED Board - Antique Tumbled Finish**
† Fixtures specified with ZDC Technology™ are available only in one circuit board configuration.
Do not specify a number of LEDs when ordering.

FIELD INSTALLED OPTIONS: Order Individually

Mounting Options	
Super Slot Spike *(753900) 2" x 8"*	**Wall Plate: 1-gang** *(WP-1G-050-XX**) 3.4" x 5.1"*
Long Slot Spike *(2500158400000) 2.5" x 10"*	**Wall Plate: Round** *(WP-RD-050-XX**) 5" Diam.*
SuperJ-Box *(SJ-XX**) 2.5" x 11"*	**Coupling: Straight** *(COUP-XX**) 1.3" x 2.0"*
Post Mount *(PM-XX**) 2.5" x 13"*	**Coupling: 90-deg** *(ELBW-050-XX**) 1.3" x 2.0"*
Mini J-Box *(MJ-050-XX**) 3.5" x 1.3"*	**Coupling: T-mount** *(TMNT-050-XX**) 3.0" x 2.2"*
TreeBox *(TB-XX**) 5.4" x 1.9"*	**Riser (AL): Male Thread** *(YY-R-XX**)0.8" Diam., ½ NPSM*
Gutter Mount *(GM-SS) 4.0" x 4.0"*	**Riser (CU): Male/Female Threaded** *(YY-R-GT-XX**) 1.0" Diam., ½ NPSM*

EXAMPLE: SJ-BS = **Super J-Box - Natural Brass Finish**

PHOTOMETRICS:



METALS

- **AB** = Antique Bronze* (On Brass)
- **AT** = Antique Tumbled* (On Brass)
- **NP** = Nickel Plate*
- **BS** = Natural Brass

POWDER COAT

- **WG** = White Gloss
- **FW** = Flat White
- **AL** = Almond
- **BZ** = Bronze Metallic
- **DG** = Desert Granite
- **WI** = Weathered Iron
- **SB** = Sedona Brown
- **FB** = Flat Black

The PB includes choice of LED board, choice of finish, 4 ft lead wire and a Long Slot Spike.

All PB up lights come standard with amber, green, blue and frosted filters

** May require longer lead time*
*** Denotes finish option*

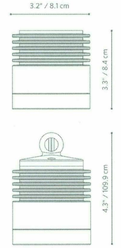
Beam angle is calculated using LM-79 method for SSL Luminaires:
"Beam angle is defined as two times the vertical angle at which the intensity is 50% of the maximum."

3/19 **Learn more** Visit: fxl.com | 760.744.5240

The PS represents the next generation of fixed-mount LED down lights. It is designed for top-mounting, and is available with an optional copper cover. The PS works with 1, 3, 6 or 9LED boards and is available in all of our metal and powder coat finishes. A mounting bracket is included for installation.

PS: Down Light

NUMBER OF LEDS:	1	3	6	9	ZDC
HALOGEN LUMEN OUTPUT EQUIVALENT:	10 Watt	20 Watt	35 Watt	50 Watt	20 Watt
USEFUL LED LIFE (L70):	50,000 hrs avg	50,000 hrs avg	50,000 hrs avg	50,000 hrs avg	50,000 hrs svg
INPUT VOLTAGE:	10 to 15V	10 to 15V	10 to 15V	10 to 15V	10 to 15V
VA TOTAL: (Use this number to size the transformer):	2.4	4.5	13.5	13.5	11.0
WATTS USED:	2.0	4.2	10.1	11.2	9.1
LUMENS PER WATT (EFFICACY)	35	52	43	46	33
MAX LUMENS:	66	202	367	397	57
CRI	82	80	79	78	83
CBCP	275	975	2022	2276	62



Learn more about FX Luminaire down lights. Visit: fxl.com 760.744.5240

PS: Down Light

FACTORY INSTALLED OPTIONS: Order 1 + 2 (optional) + 3 + 4 (optional) + 5

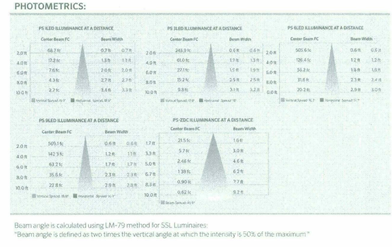
Step	Description	Code
1	FACTORY	PS
2	LUXOR OPTION	ZD, ZDC† (Color)
3	LAMP	1LED, 3LED, 6LED, 9LED, _____†
4	OPTIONAL HANGING BRACKET	HB *(Hanging bracket; Powder coat colors only)*
5	FINISH	CU-AB, BS-AB, CU-AT, BS-AT, CU, NP, BS, WG, FW, AL, BZ, DG, WI, SB, FB

EXAMPLE: PS-3LED-HB-BZ = **PS - 3LED Board - Hanging Bracket Option - Bronze Metallic Finish**
PS-ZDC-BS-AB = **PS - ZDC Option - Antique Bronze Finish**
† Fixtures specified with ZDC Technology™ are available only in one circuit board configuration.
Do not specify a number of LEDs when ordering.

FIELD INSTALLED OPTIONS: Order Individually

Beam Angle Lenses			
LENS OPTIONS	1LED	3LED	6/9LED
Diffuser 18° *(Preassembled)*	770600	771300	771600
Flood Lens 30-32° *(1 notch)*	1LEDFLLENS	3LEDFLLENS	9LEDFLLENS
Wide Flood Lens 56-58° *(2 notches)*	1LEDWFLLENS	3LEDWFLLENS	9LEDWFLLENS

PHOTOMETRICS:



Beam angle is calculated using LM-79 method for SSL Luminaires:
"Beam angle is defined as two times the vertical angle at which the intensity is 50% of the maximum."

METALS

- **CU-AB** = Antique Bronze* (On Copper)
- **BS-AB** = Antique Bronze* (On Brass)
- **CU-AT** = Antique Tumbled* (On Copper)
- **BS-AT** = Antique Tumbled* (On Brass)
- **CU** = Copper*
- **NP** = Nickel Plate*
- **BS** = Natural Brass

POWDER COAT

- **WG** = White Gloss
- **FW** = Flat White
- **AL** = Almond
- **BZ** = Bronze Metallic
- **DG** = Desert Granite
- **WI** = Weathered Iron
- **SB** = Sedona Brown
- **FB** = Flat Black

The PS includes your choice of LED board, choice of finish, 9 ft. lead wire and mounting bracket.

All PS down lights come standard with amber, green, blue and frosted filters

** May require longer lead time*

** Fixture is covered by a copper sleeve*

c UL us LISTED 3YJ8

Fixture with optional hanging bracket installed

3/19 760.744.5240 | fxl.com FXLuminaire

VISCONTI

Lighting Details (1 of 2)

date: 08.31.17

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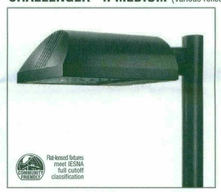
chandler, arizona 85226
ph. 480.699.7956 f.480.699.7986

CHALLENGER® II MEDIUM (Various reflectors are protected by U.S. Patent No. 6,464,378.)



HOUSING - Radiused, rectangular-shaped, aluminum housing with stainless steel or electro-zinc plated steel mounting hardware.

DOOR FRAME - Aluminum with two stainless steel captive fasteners for easy access into the fixture. A one-piece extruded EPDM gasket seals the door frame against the housing.

LENS/GASKET - Available with a tempered flat glass lens. The lens is sealed to the door frame with EPDM gasketing.

SOCKETS - Porcelain mogul-base sockets. All sockets are factory prewired. All sockets are pulse-rated.

LIGHT SOURCES - Pulse-Start Metal Halide, Pulse-Start Metal Halide Reduced Envelope, Ceramic Metal Halide or High Pressure Sodium. Clear lamp is supplied as standard.

BALLASTS - High-power factor ballast. Pulse-Start Metal Halide, Metal Halide, and High Pressure Sodium fixtures feature a CWA type ballast. All ballasts are designed for -20° F operation.

REFLECTORS/DISTRIBUTION PATTERNS - Available with reflector distribution patterns of Type V (5), Forward Throw (FT), Type III (3), and Type II (2). Photometric data is tested in accordance with IESNA guidelines.

BRACKETS - Use with 5" traditional drilling pattern. An extruded radius 8" arm is shipped standard and compatible with all fixture mounting configurations. The fixture may also be mounted to round poles using the round pole plate adaptor accessory (RPP2), which must be ordered separately.

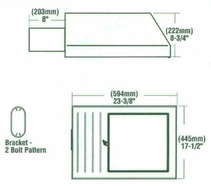
FINISHES - Each fixture is finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, white, satin verde green, metallic silver, and graphite.

PHOTOMETRICS - Please visit our web site at **www.lsi-industries.com** for detailed photometric data.

cULus LISTED wet location

ARRA Funding Compliant

DIMENSIONS



LUMINAIRE EPA CHART - Challenger II Medium

Single	1.4
D180°	2.9
D90°	2.5
T90°	4.0
TN120°	4.1
Q90°	5.1

Note: House Side Shield adds to fixture EPA. Consult factory.

SHIPPING WEIGHTS - Challenger II Medium

Catalog Number	Est. Weight (kg/lbs.)	Length (mm/in.)	Width (mm/in.)	Height (mm/in.)
CH2HM	19 / 42	699 / 27.5	559 / 22	432 / 17

Project Name _____ Fixture Type _____ 10/22/15

Catalog # _____

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FINAL PLANS PLANNING
11/28/17 DATE
APPROVED BY

CHALLENGER® II MEDIUM

LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **CH2HM 5 400 PSMHR F MT PLP PCR**

Luminaire Prefix	Distribution	Lamp Wattage	Light Source	Lens	Line Voltage	Luminaire Finish	Options
Horizontal Burn CH2HM	2 – Type II 3 – Type III FT– Forward Throw 5 – Type V	100 150 175 250 320 400	PSMH – Pulse-Start Metal Halide 175, 250, 320 Watt PSMHR – Pulse-Start Metal Halide Reduced Envelope 400 Watt CMH – Ceramic Metal Halide 150 Watt HPS – High Pressure Sodium 100, 150, 250, 400 Watt	F – Flat Clear Tempered Glass	480 MT – Multi Tap TT – Tri-Tap	BRZ – Bronze BLK – Black PLP – Platinum Plus WHT – White SVG – Satin Verde Green GPT - Graphite MSV - Metallic Silver	PCR - Photoelectric Control Receptacle[1] TB - Terminal Block LL - Less Lamp

MT – Multi Tap consists of 120V, 208V, 240V and 277V and is prepared for highest voltage. Alternate voltages will require field adjustment.

TT – Tri-Tap consists of 120V, 277V and 347V and is shipped standard for Canadian applications and is prepared for highest voltage. Alternate voltages will require field adjustment.

Consult Factory for International Voltages and Light Sources

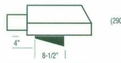
FOOTNOTES:

1- PCR factory installed and prewired to highest voltage. Alternate voltages will require field re-wiring. Photocell must be ordered separately. See Accessories.
2- Factory installed PCR option required.
3- Fusing must be located in the hand-hole of the pole - not in the fixture.
4- Black only. House side shield adds to the fixture EPA. Consult factory.

ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number	Description	Order Number
PC120 – Photocell	122514[2]	DFK480 - Double Fusing	DFK480[3]
PC208-277 – Photocell for 208V, 240V or 277V	122515[2]	FK347 - Single Fusing	FK347[3]
PC347 – Photocell	159516[2]	CH2HM HSS – External House Side Shield	290383BLK[4]
PC480 – Photocell	122518P[2]	RPP2 – Round Pole Plate	162914CLR
FK120 - Single Fusing	FK120[3]	BKS-BO-WM-*-CLR Wall Mount Plate	123111CLR
FK277 - Single Fusing	FK277[3]		
DFK208, 240 - Double Fusing	DFK208, 240[3]		

HOUSE SIDE SHIELD



Project Name _____ Fixture Type _____ 10/22/15

Catalog # _____

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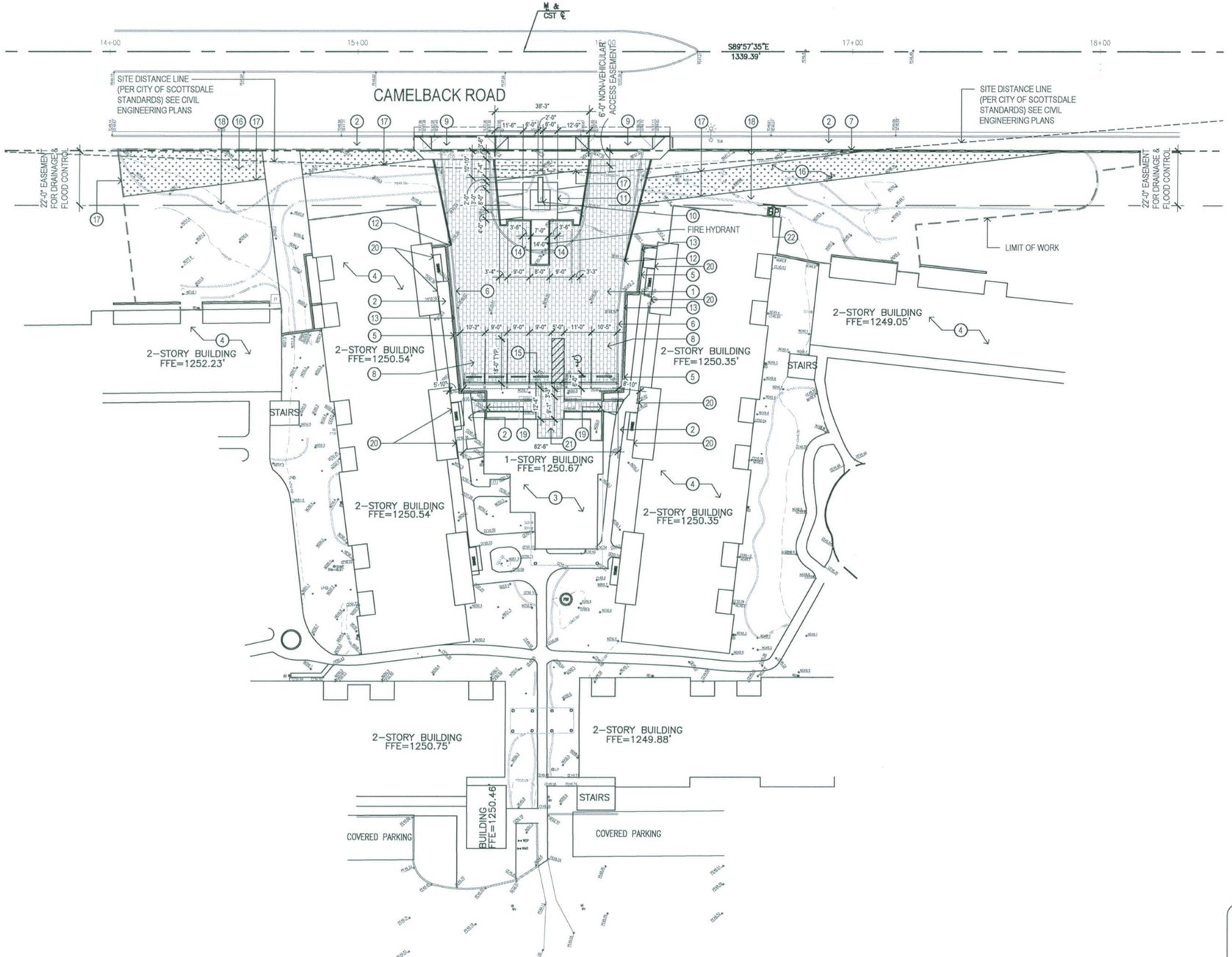

KEYNOTES

1. PARKING LOT PAVERS - DETAIL 1, SHEET LA6.1, LAYOUT PER CIVIL ENGINEERING PLANS
2. EXISTING SIDEWALK TO REMAIN
3. EXISTING LEASING OFFICE TO REMAIN
4. EXISTING 2 STORY APARTMENT BUILDING TO REMAIN
5. EXISTING WALL TO REMAIN
6. EXISTING CONCRETE CURB TO REMAIN - PER CIVIL ENGINEERING PLANS
7. EXISTING RETAINING WALL TO REMAIN
8. PARKING SPOTS
9. DRIVEWAY RAMP - PER CIVIL ENGINEERING PLANS
10. ENTRY MONUMENT SIGN - SEE DETAIL 6, SHEET LA6.1 (SIGNS REQUIRE SEPARATE PERMITS & APPROVALS)
11. RAISED STEEL EDGING (RETAINING) - SEE DETAIL 4, SHEET LA6.1
12. CONCRETE CURB TO TIE INTO EXISTING CONCRETE CURB - PER CIVIL ENGINEERING PLANS
13. STEEL VINE SCREEN FENCE - SEE DETAIL 2, SHEET LA6.1
14. ADDITIONAL PARKING SPOTS - SEE CIVIL ENGINEERING PLANS
15. SHADE STRUCTURE OVER PARKING SPOTS -SEE DETAIL 1, SHEETLA6.2
16. TURF - SEE DETAIL 2, SHEET LA7.2
17. STEEL HEADER - SEE DETAIL 5, SHEET LA6.1
18. LANDSCAPE AREA - SEE SHEET LA3.1
19. REPAIR OR REPLACE PEDESTRIAN GATES PER CLIENT, PAINT TO MATCH STEEL VINE SCREEN FENCE
20. BALCONY RAILING - SEE DETAIL 3, SHEET LA6.1
21. PEDESTRIAN PAVERS - SEE DETAIL 7 , SHEET LA6.1
22. STEEL SCREEN FENCE AT BACKFLOW PREVENTER - SEE DETAIL 5, SHEET LA7.2

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DATE
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OUTSIDE MARICOPA COUNTY

Avoid cutting underground utility lines. It's costly
Call before you Dig.
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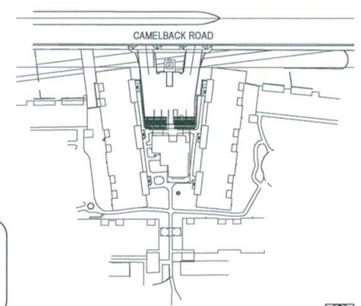
UNDERGROUND SERVICE ALERT (USA)

20' 40' 60'



Key Map

Not To Scale

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31268
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Visconti
Leasing Office & Parking Lot Improv.
Scottsdale, AZ 85251
Layout Plan

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revisions
1
2
3

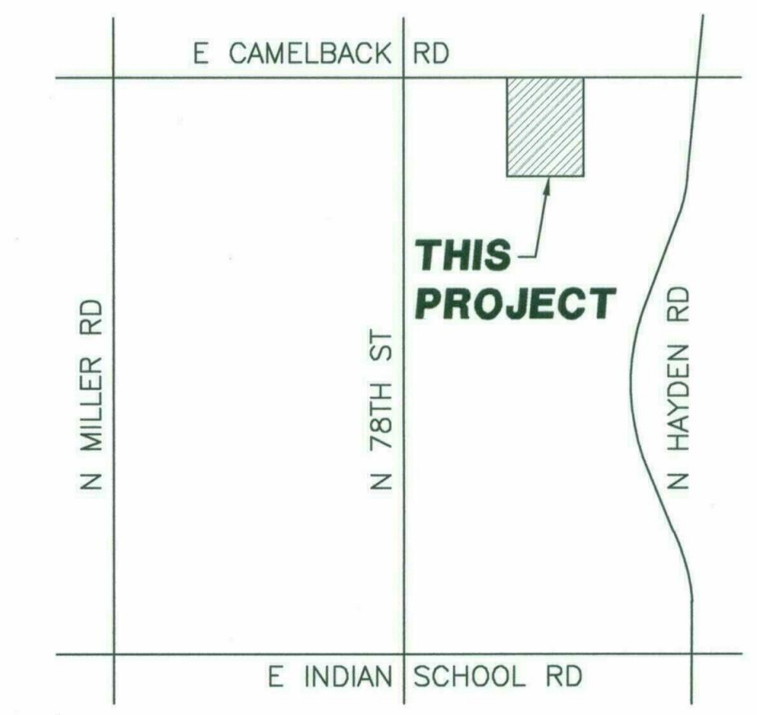
issued for
- ☐ design dev.
- ☐ progress set
- ■ city submittal 11.07.2017
- ☐ bid package
- ☐ construction

title	Layout Plan
date issued	11.07.2017
scale	1" = 20'-0"
drawn by	TH, JQ, BH
checked by	BA
project number	156-001-16
review number	
sheet number	LA2.1

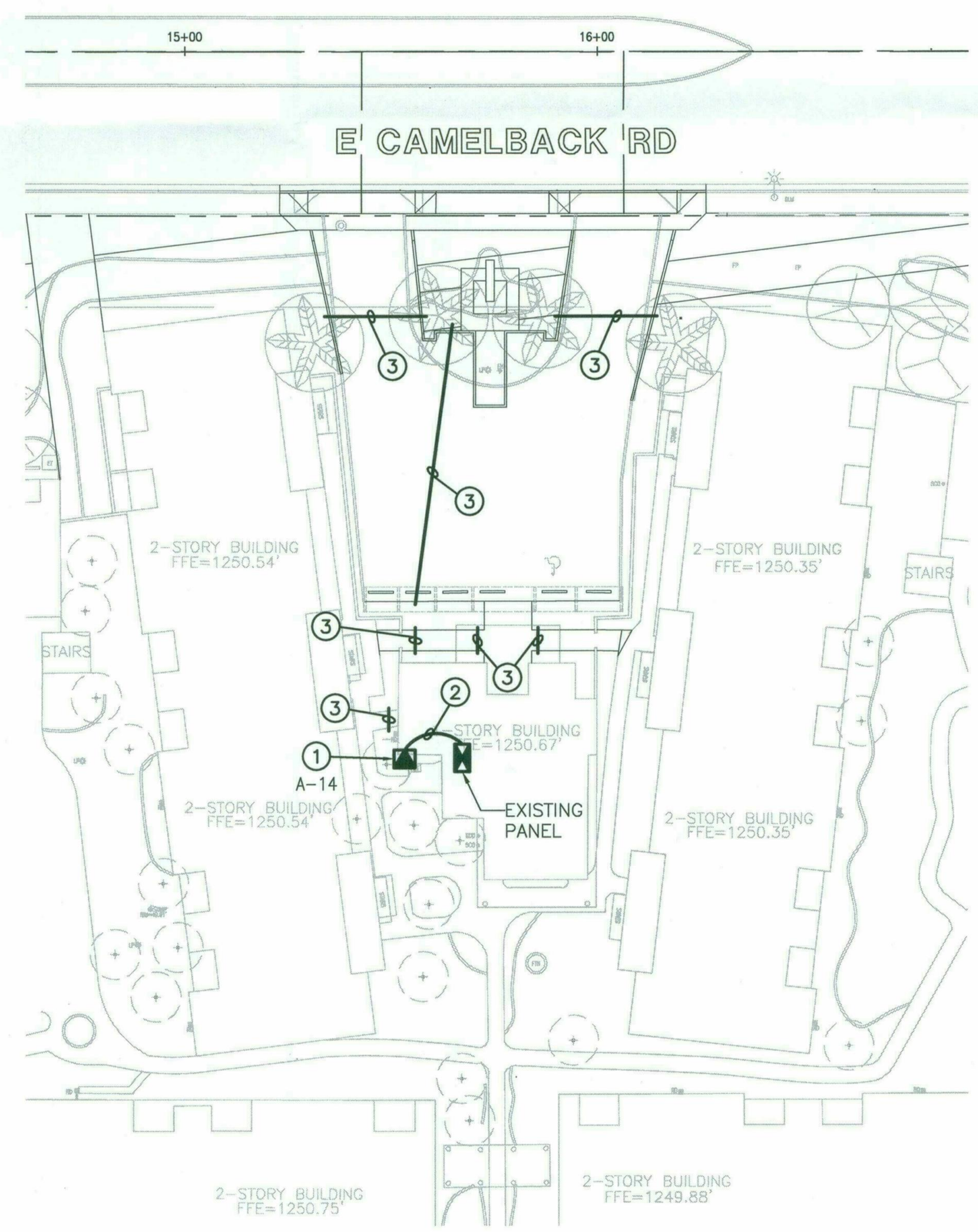
VISCONTI
SITE ELECTRICAL PLANS

GENERAL ELECTRICAL NOTES

1. ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (2011 EDITION), FEDERAL, STATE AND LOCAL JURISDICTION CODES AS ADOPTED BY THE CITY OF SCOTTSDALE.
2. ALL WORK SHALL BE DONE IN A NEAT, WORKMANLIKE, FINISHED AND SAFE MANNER, ACCORDING TO THE LATEST PUBLISHED NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION STANDARDS OF INSTALLATION, UNDER COMPETENT SUPERVISION.
3. VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND ALL OTHER FACTORS WHICH MAY AFFECT THE EXECUTION OF THIS WORK. INCLUDE ALL RELATED COSTS IN THE INITIAL BID PROPOSAL.
4. CONTRACTOR SHALL PAY FOR PERMITS AND INSPECTIONS AS MAY BE REQUIRED AND PROVIDE A CERTIFICATE OF INSPECTION TO THE OWNER.
5. PROTECT ALL MATERIAL AND EQUIPMENT INSTALLED AGAINST DAMAGE BY OTHER TRADES, WEATHER CONDITIONS OR ANY OTHER CAUSES. EQUIPMENT FOUND DAMAGED OR IN OTHER THAN NEW CONDITION WILL BE REJECTED AS DEFECTIVE. ALL COMPONENTS SHALL BE FREE OF DUST, GRIT AND FOREIGN MATERIALS, AND LEFT AS NEW BEFORE FINAL ACCEPTANCE OF WORK.
6. LEAVE THE SITE CLEAN, REMOVE ALL DEBRIS, EMPTY CARTONS, TOOLS, CONDUIT, WIRE SCRAPS AND ALL MISCELLANEOUS SPARE EQUIPMENT AND MATERIALS USED IN THE WORK DURING CONSTRUCTION.
7. IT IS THE OBLIGATION OF THE CONTRACTOR TO ORGANIZE HIS WORK SO THAT A COMPLETE ELECTRICAL, INSTRUMENTATION, AND/OR CONTROL SYSTEM FOR THE FACILITY WILL BE PROVIDED AND SUPPORTED BY ACCURATE SHOP AND RECORD DRAWINGS, AND ALL O & M MANUALS.
8. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, BURIED 24" MINIMUM BELOW FINISHED GRADE, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS.
9. PROVIDE EMT INDOOR AND GRS OUTDOOR FOR ABOVE GROUND CONDUIT. WHERE METALLIC CONDUITS COME IN CONTACT WITH DIRT, THEY SHALL BE HALF LAP WRAPPED WITH SCOTCH 50 TAPE TO 12" AFG. FITTINGS SHALL BE STEEL, THREADED TYPE WITH INSULATED THROATS. SECURELY ATTACH ALL SURFACE MOUNTED CONDUIT EVERY 10 FEET AND WITHIN 3 FEET OF EACH JUNCTION BOX, PER NEC ARTICLE 344.30.
10. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS.
11. ALL FEEDERS AND BRANCH CIRCUIT WIRE SHALL BE COPPER TYPE XHHW (75 DEGREE C) FOR BELOW GRADE INSTALLATIONS (AND CONDUIT RISERS) AND THHN/THWN (75 DEGREE C) FOR ABOVE GRADE INSTALLATIONS. MINIMUM SIZE SHALL BE #12 AWG, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS. ALL WIRING SHALL BE IN CONDUIT.
12. A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR (BOND) SHALL BE INSTALLED WITHIN EACH RACEWAY PER NEC CODE.
13. WHEN A PANEL IS SUPPLIED BY A FEEDER OR BRANCH CIRCUIT, ANY INSTALLED GROUNDED CONDUCTOR SHALL NOT BE CONNECTED TO THE EQUIPMENT GROUNDING CONDUCTOR (GEC) OR TO THE GROUNDING ELECTRODE(S) PER NEC ARTICLE 250.32(B).
14. BOND ALL ENCLOSURES PER NEC ARTICLE 250.96.
15. CONTRACTOR SHALL PLAN AND INSTALL WORK IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.
16. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, ETC. NECESSARY FOR A COMPLETE AND WORKABLE ELECTRICAL SYSTEM WHETHER OR NOT THESE ITEMS ARE SPECIFICALLY NOTED ON THESE DRAWINGS. INCIDENTAL ITEMS NOT INDICATED ON THE DRAWINGS, NOR MENTIONED IN SPECIFICATIONS THAT CAN BE LEGITIMATELY AND REASONABLY INFERRED TO BELONG TO THE WORK DESCRIBED OR BE NECESSARY IN GOOD PRACTICE TO PROVIDE A COMPLETE SYSTEM, SHALL BE FURNISHED AND INSTALLED AS THOUGH ITEMIZED HERE IN EVERY DETAIL.
17. CONTRACTOR IS RESPONSIBLE FOR AND SHALL PROVIDE ALL LABOR, MATERIAL, TRENCHING, CONDUIT, TRANSFORMER PAD AND OTHER REQUIRED EQUIPMENT PER UTILITY COMPANY PLANS AND SPECIFICATIONS NECESSARY FOR A COMPLETE UNDERGROUND CONDUIT SYSTEM FROM THE UTILITY POINT OF SERVICE TO THE UTILITY CO. TRANSFORMER AND FROM THE UTILITY CO. TRANSFORMER TO THE ELECTRICAL SERVICE ENTRANCE SECTION.
18. ALL TRENCHING, CONDUITS, ETC. SHALL BE ROUTED AND INSTALLED IN SUCH A MANNER THAT WILL NOT DAMAGE EXISTING FACILITIES. SHOULD DAMAGE OCCUR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR DAMAGE TO THE SATISFACTION OF THE OWNER OR INSPECTOR.
19. ALL CONDUIT RUNS SHOWN ON THIS PLAN ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL MAKE SURE THAT ALL CONDUIT, ETC. FALLS WITHIN THE CONSTRUCTION AREA/RIGHT OF WAY. (THIS INCLUDES MAINTAINING ALL REQUIRED CLEARANCES.)
20. WHEN CROSSING PATHWAYS OR SIDEWALKS, CONTRACTOR SHALL BORE UNDER EXISTING CONCRETE WALKS AND SAWCUT ASPHALT WALKS. ASPHALT WALKS SHALL BE REPLACED IN KIND.
21. CONTRACTOR SHALL GUARANTEE WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS, USUAL WEAR EXPECTED, AND SHOULD ANY SUCH DEFECTS DEVELOP WITHIN A PERIOD OF ONE YEAR ACCEPTANCE OF THE PROJECT BY THE OWNER, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DEFECTIVE ITEMS AND DAMAGE RESULTING FROM FAILURE OF THESE ITEMS, AT NO EXPENSE WHATSOEVER TO THE OWNER.
22. CONTRACTOR SHALL IDENTIFY SERVICE ENTRANCE SECTION MAIN SERVICE DISCONNECT(S) WITH 3/32-INCH THICK LAMINATED PHENOLIC TYPE NAMEPLATES WITH 1/4-INCH MINIMUM HEIGHT LETTERS. NAMEPLATE TO BE BLACK MATTE FINISH SURFACE WITH WHITE LETTER ENGRAVING. ATTACH NAMEPLATE TO THE OUTSIDE PANEL FACE WITH TWO STAINLESS STEEL SELF-TAPPING SCREWS. NAMEPLATE SHALL READ "SERVICE DISCONNECT" PER NEC ARTICLE 230.70(B).
23. ALL CIRCUITS SHALL BE LEGIBLY IDENTIFIED AT THE PANEL, JUNCTION BOXES AND AT ALL EQUIPMENT IN A PERMANENT MANNER (I.E. ETCHED PLATES, CONDUCTOR TAG, PERMANENT MARKER, ETC.). THE LABELING SHALL INCLUDE PANEL CIRCUIT NUMBER, "TO" AND "FROM" IDENTIFICATION, AND MARKED "SPARE" WHERE APPLICABLE.
24. CONTRACTOR SHALL TEST ELECTRICAL SYSTEM FOR SHORT CIRCUITS AND MEGGER TEST FEEDERS AND BRANCH CIRCUIT WIRING. INSURE LOW IMPEDANCE GROUND PATH SYSTEM. PERFORM HIPOT TESTING WHEN REQUIRED BY LOCAL JURISDICTION.
25. ALL CONDUIT AND J-BOXES SHOWN SHALL BE CONCEALED WHEN POSSIBLE. WHEN NOT POSSIBLE, CONDUIT AND J-BOXES MAY BE SURFACE MOUNTED WITH PERMISSION OF THE OWNER OR OWNER'S REPRESENTATIVE.
26. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT CONNECTIONS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL FUSED DISCONNECT SWITCHES AND CONTROLS IF OVERCURRENT PROTECTION OR CONTROLS IS NOT INTEGRAL WITH UNITS.
27. ALL EQUIPMENT SHALL BE FUSE SIZED PER MANUFACTURES RECOMMENDATIONS AND U.L. APPROVAL.
28. ELECTRICAL DEVICES, DISCONNECT SWITCHES, ETC., SHALL BE SUPPORTED INDEPENDENT OF AND ISOLATED FROM EQUIPMENT VIBRATIONS.
29. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE NEMA-3R OR NEMA-4 ENCLOSURES.
30. ALL POLE LIGHTS SHALL BE PROVIDED WITH A TWO POLE FUSE HOLDER BUSSMANN #HEX OR A SINGLE POLE FUSE HOLDER BUSSMANN #HEB OR EQUAL FOR INLINE FUSING, PROVIDE 5A FUSING IN FUSEHOLDER.
31. CONTRACTOR TO INSTALL PULL BOX ADJACENT TO EACH PATHWAY, AREA AND PARKING LOT LIGHT, SEE PULL BOX INSTALLATION DETAIL. PULL BOXES MAY NOT BE SHOWN AT ALL LOCATIONS ON PLANS.
32. PRIOR TO POURING THE POLE BASES OR COVERING ANY ELECTRICAL CONDUITS, CONTACT THE INSPECTION DEPARTMENT 24 HOURS IN ADVANCE FOR APPROVAL.
33. MATERIALS SHALL BE NEW AND OF THE BEST QUALITY WITH MANUFACTURER'S NAME PRINTED THEREON. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH NEMA, ANSI, UNDERWRITER'S LABORATORY OR OTHER APPLICABLE STANDARDS AND RATED FOR HEAVY DUTY SERVICE.
34. ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE. ALL 15 AND 20 AMP, 125 AND 250 VOLT, NONLOCKING RECEPTACLES INSTALLED OUTDOORS SHALL BE LISTED WEATHER-RESISTANT TYPE. ALL WEATHERPROOF WHILE IN-USE RECEPTACLE COVERS SHALL BE METAL.
35. SELECTION OF MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE DRAWINGS AND/OR SPECIFICATIONS. THE USE OF MANUFACTURER'S NAME, MODEL, AND NUMBER IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, USEFULNESS AND BID PRICE. CONTRACTOR SHALL SUBMIT TO THE OWNER OR OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL (PRIOR TO ORDERING MATERIALS) COPIES OF EQUIPMENT SHOP DRAWINGS AS FOLLOWS: 1) LIGHT FIXTURES, 2) POLES, 3) POLE BASES, 4) SERVICE ENTRANCE SECTION, 5) ELECTRICAL EQUIPMENT, 6) DISCONNECT SWITCHES, 7) TIME CLOCKS AND OTHER CONTROLS, 8) LIGHTING CONTACTORS AND 9) PULL BOXES. AT THE TIME OF EACH SUBMITTAL, THE CONTRACTOR SHALL DEFINE AND DELINEATE IN WRITING ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. THE REVIEW WILL BE ONLY FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE WORK AND FOR COMPLIANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS. THE REVIEW OF A SPECIFIED ITEM, AS SUCH, WILL NOT INDICATE REVIEW OF THE ASSEMBLY IN WHICH THE ITEM FUNCTIONS. REVIEW BY THE OWNER OR OWNER'S REPRESENTATIVE WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS IN THE SUBMITTALS NOR FROM HIS RESPONSIBILITY FOR COMPLYING WITH THE CONTRACT DOCUMENTS.
36. THE SUBMITTALS SHALL BE NEATLY GROUPED AND ORGANIZED. PERTINENT INFORMATION SHALL BE HIGHLIGHTED, AND THE SPECIFIC PRODUCT SHALL BE IDENTIFIED. ALL SUBMITTALS SHALL BE COMPLETE, AND PRESENTED IN ONE PACKAGE. THE SUBMITTAL SHALL INCLUDE A COMPLETE LIST OF THE EQUIPMENT AND MATERIALS, INCLUDING THE MANUFACTURER'S NAME, PRODUCT SPECIFICATION, DESCRIPTIVE DATA, TECHNICAL LITERATURE, PERFORMANCE CHARTS, CATALOG CUTS, INSTALLATION INSTRUCTIONS, AND SPARE PART RECOMMENDATIONS FOR EACH DIFFERENT ITEM OF THE EQUIPMENT SPECIFIED.



VICINITY MAP
N.T.S.



CONSTRUCTION NOTES

(1) 600W WALL MOUNTED LOW VOLTAGE TRANSFORMER. SEE WALL MOUNTED LOW VOLTAGE TRANSFORMER DETAIL ON SHEET E2. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCHITECT. TRANSFORMER SHALL BE DIRECT WIRED (NOT PLUG IN). SEE LOW VOLTAGE WIRING GUIDELINES ON SHEET E2 FOR WIRE SIZING.

(2) INSTALL MC CABLE WITH 3-#12 AWG FROM EXISTING PANEL ON INTERIOR WALL TO NEW LOW VOLTAGE TRANSFORMER ON EXTERIOR WALL, PER NEC ARTICLE 330. COORDINATE WITH BUILDING OWNER FOR MC CABLE ROUTING.

(3) INSTALL 1.5" CONDUIT SLEEVE WITH (1) #12 AWG FOR LOCATING PURPOSES. LOW VOLTAGE CABLE(S) TO BE INSTALLED IN SLEEVE AS NEEDED WHEN LOW VOLTAGE LIGHTING IS INSTALLED PER LANDSCAPE PLANS.

LEGEND

▪	EXISTING 120/208V 3Ø PANEL
▪	LOW VOLTAGE TRANSFORMER
A-1	CIRCUIT NUMBER

NORTH

GRAPHIC SCALE
30 15 0 15 30 60
1 INCH = 30 FEET

ARIZONA BLUE STAKE
CALL TWO WORKING DAYS BEFORE YOU DIG
Dial 811 or
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

WRIGHT ENGINEERING PROJECT NO: **17219**
DESIGN BY: CRC
DRAWN BY: CRC
CHECKED BY: ADK

WRIGHT engineering corporation
ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807
www.wrightengineering.us

PROJECT: SCOTTSDALE, ARIZONA
VISCONTI
E CAMELBACK RD & N HAYDEN RD

TITLE: ELECTRICAL COVER SHEET

PLANNING

NO.	DATE	SUBMITTALS/REVISIONS (DESCRIPTIONS)
1	AUG 2017	1ST CITY SUBMITTAL
2	OCT 2017	1ST CITY SUBMITTAL

Registered Professional Engineer, Certificate No. 40256, AARON D. KUTCHINSKY, ARIZONA, Expires 12-31-18

DRAWING NO. E1

409-PA-?-17

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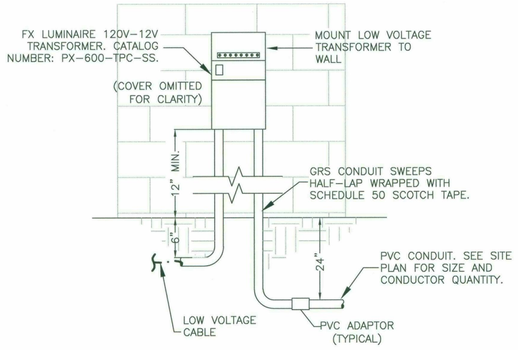
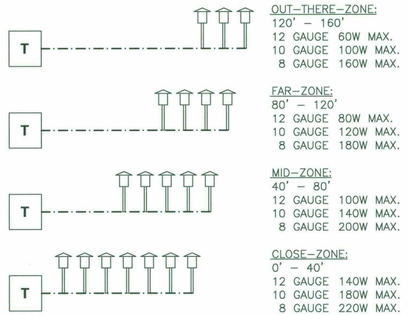
EXISTING PANEL 'A', SHOWN FOR REFERENCE ONLY. PROPOSED CHANGES IN BOLD.

EXISTING PANEL NAME: A			120/208V, 3ø, 4W					200A MLO		
LOCATION: WEST HALLWAY, LEASING OFFICE BUILDING			TYPE: N/A					WALL MTD., NEMA 1		
CKT NO.	BKR SIZE	DESCRIPTION	LOAD	Aø	Bø	Cø	LOAD	DESCRIPTION	BKR SIZE	CKT NO.
1A	20/1	(LT) & TRACK INTERANCE	1500	3000			1500	CELING LTG., LEASING AREA	20/1	2A
1B	20/1	BTH, KTH, CL, (LT) & EXH. FAN	1000	1720			720	RECEPTACLES, WAITING ROOM	20/1	2B
3A	20/1	RECEPTACLES, EXT. LT., H BLD.	1500		2220		720	RECEPTACLES	20/1	4A
3B	20/1	FIRE SPRINKLER	500		2000		1500	LTG., EXTERIOR (SOUTH)	20/1	4B
5A	20/1	OFFICE COMPUTER 1 & 2	1000			1500	500	RECEPTACLES, FRIDGE	20/1	6A
5B	20/1	RECEPTACLES, OFFICE 1	720			1440	720	RECEPTACLES, WAITING ROOM	20/1	6B
7A	20/1	RECEPTACLES, LEASING AREA	720	720			0	SPARE	20/1	8A
7B	20/1	RECEPTACLE, COPY MACHINE	720	720			0	SPARE	20/1	8B
9A	20/1	RECEPTACLE, DISPOSAL	720		720		0	BUSSED SPACE		10
9B	20/1	LT. OFFICE 1 & 2	1000		1000					
11A	20/1	GENERAL RECEPTACLES	720			720	0	BUSSED SPACE		12
11B	20/1	(L) GFI KTH	720			720				
13A	20/1	RECEPTACLES, FLOOR	720	1320			600	LOW VOLTAGE TRANSFORMER	15/1	14
13B	20/1	GENERAL RECEPTACLES	720	720						
15A	20/1	GENERAL RECEPTACLES	720		1720		1000	AIR HANDLER	20/	16
15B	20/1	EMERGENCY EXIT & LT.	500		500				/2	18
17A	20/1	GENERAL RECEPTACLES	720			1720	1000			
17B	20/1	FOUNTAIN PUMP	1500			1500				
19	60/	WEST A/C	4320	6480			2160	EAST A/C	30/	20
21	/		4320		6480		2160		/	22
23	/3		4320			6480	2160		/3	24
CODE TOTAL VA/ø				14680	14640	14080	*INDICATES LOAD @ 125%			
CODE TOTAL AMPS/ø				122.3	122.0	117.3	10,000 AIC BREAKERS			



WALL-MOUNTED TRANSFORMER

NO SCALE



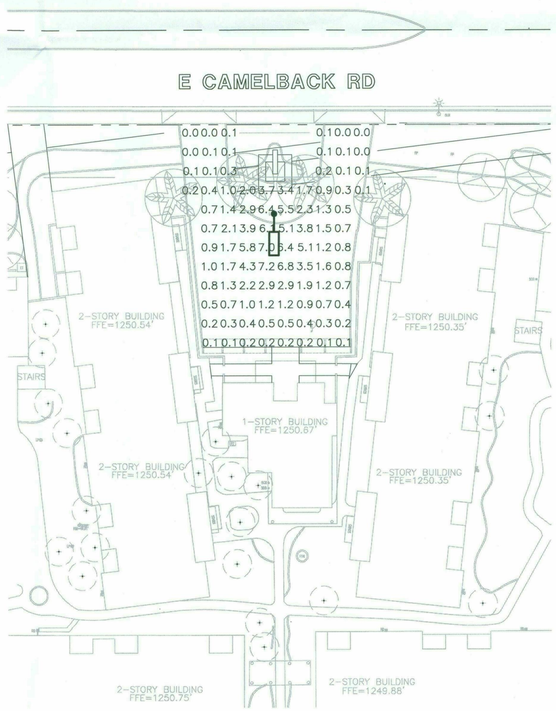
NOTES:

1. THE WATTAGE LOADS ARE PER CABLE. ADD CABLE RUNS AS NECESSARY TO COMPLETE PROJECT. THE QUANTITY OF CABLES RUN FROM EACH TRANSFORMER, UP TO 80% OF TOTAL WATTAGE ON TRANSFORMER IS ALLOWED.
2. WIRING IS SHOWN SCHEMATICALLY TO INDICATE WHICH TRANSFORMERS ARE INTENDED FOR EACH FIXTURE. CONTRACTOR SHALL ROUTE LOW VOLTAGE CABLE TO AVOID IRRIGATION, HARDSCAPE, AND PLANTING CONFLICTS. ALL ROADWAY, DRIVEWAY, AND SIDEWALK CROSSINGS SHALL BE INSTALLED IN A PVC SLEEVE.
3. LONGER RUNS TO BE CONNECTED TO 13V TAP.

TYPICAL LOW VOLTAGE LUMINAIRE RECOMMENDED CIRCUITING GUIDELINES

NO SCALE

EXISTING PHOTOMETRICS: NO CHANGES BEING MADE



NOTE: EXACT EXISTING FIXTURE WAS NOT IDENTIFIED DESPITE EFFORTS BY THE ENGINEER TO DO SO. PHOTOMETRIC CALCULATIONS ARE BASED ON A FIXTURE ASSUMED BY THE ENGINEER TO BE SIMILAR TO THE EXISTING FIXTURE.

CALCULATIONS

Entry Parking Area
92 points at z=0, sp 8ft by 8ft
HORIZONTAL FOOTCANDLES

Average	1.5
Maximum	7.2
Minimum	0.0
Avg:Min	N/A
Max:Min	N/A
Coef Var	1.26
UnifGrad	N/A

APPROVED
FINAL PLANS PLANNING
11/20/17 — DATE
APPROVED BY

LEGEND

EXISTING LIGHT
LSI INDUSTRIES, INC
CH2HM–FT–250–PSMH–F
candela file 'CH2HM–FT–250–PSMH–F.ies'
1 lamp(s) per luminaire, 22000 initial lumens per lamp
Light Loss Factor = 0.700, watts per luminaire = 291
mounting height= 15 ft
number locations= 1, number luminaires= 1
kw all locations= 0.3

NORTH

GRAPHIC SCALE
30 15 0 15 30 60
1 INCH = 30 FEET

ARIZONA BLUE STAKE
CALL TWO WORKING DAYS BEFORE YOU DIG
Dial 811 or
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

WRIGHT ENGINEERING PROJECT NO:
17219
DESIGN BY: CRC
DRAWN BY: CRC
CHECKED BY: ADK

WRIGHT engineering corporation
ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225
PHONE 480.497.5829 • FAX 480.497.5807
www.wrightengineering.us

PROJECT: SCOTTSDALE, ARIZONA
VISCONTI
E CAMELBACK RD & N HAYDEN RD

TITLE: ELECTRICAL DETAILS & PHOTOMETRICS

NO.	DATE	SUBMITTALS/REVISIONS (DESCRIPTIONS)
1	AUG 2017	1ST CITY SUBMITTAL
2	OCT 2017	1ST CITY SUBMITTAL

Registered Professional Engineer (Electrical)
Certificate No.
40256
AARON D. KUTCHINSKY
Date Signed
ARIZONA U.S.A.
Expires 12-31-18

DRAWING NO:
E2

H:\2017\17219–Visconti SET\17219–SE.dwg