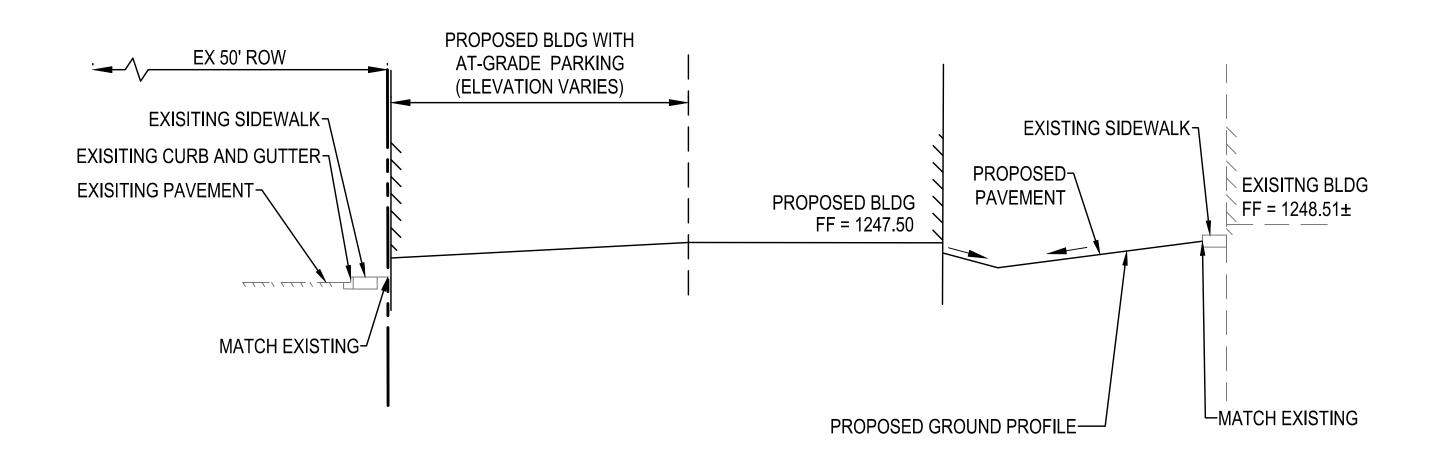
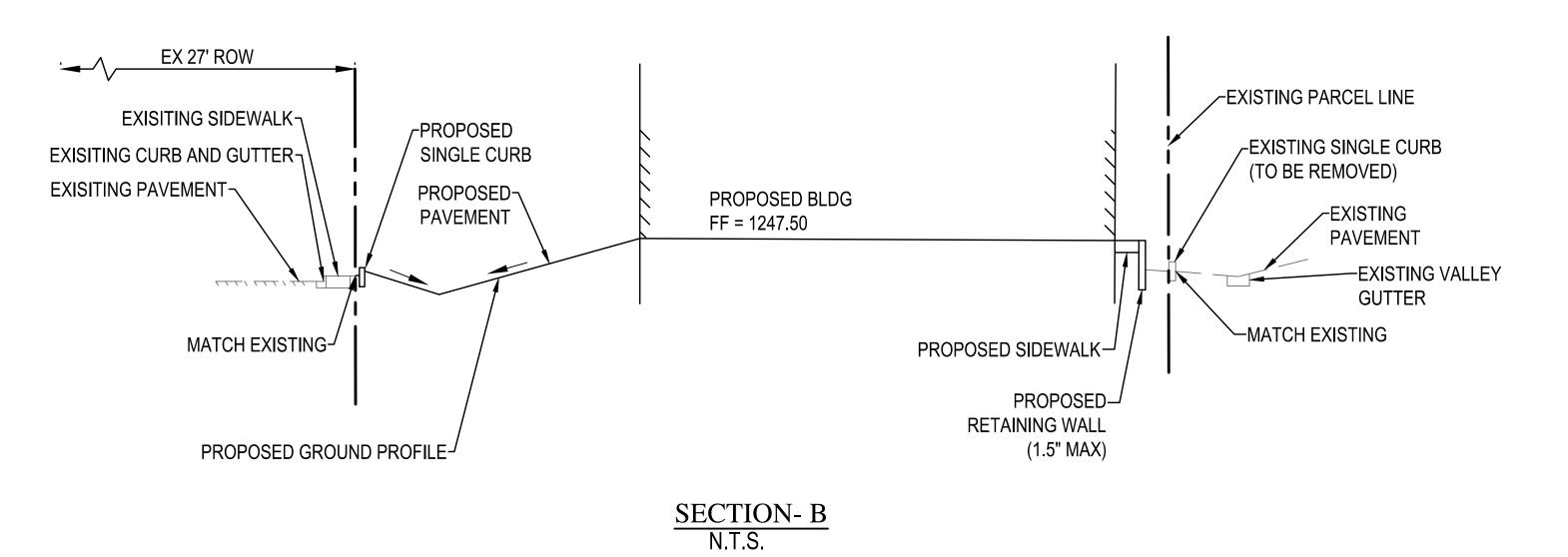


Full Size or Largest Size Plans
Site Plan
Landscape Plan
Elevations



SECTION- A N.T.S.





Devenney Group Ltd., Architects
201 W. Indian School Road
Phoenix, Arizona 85013
T: 602.943.8950
F: 602.943.7645

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(602) 335-8500

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NEUROSCIENCE INSTITUTE

HONORHEALTH

7400 E OSBORN RD, SCOTTSDALE, AZ 85251

AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:

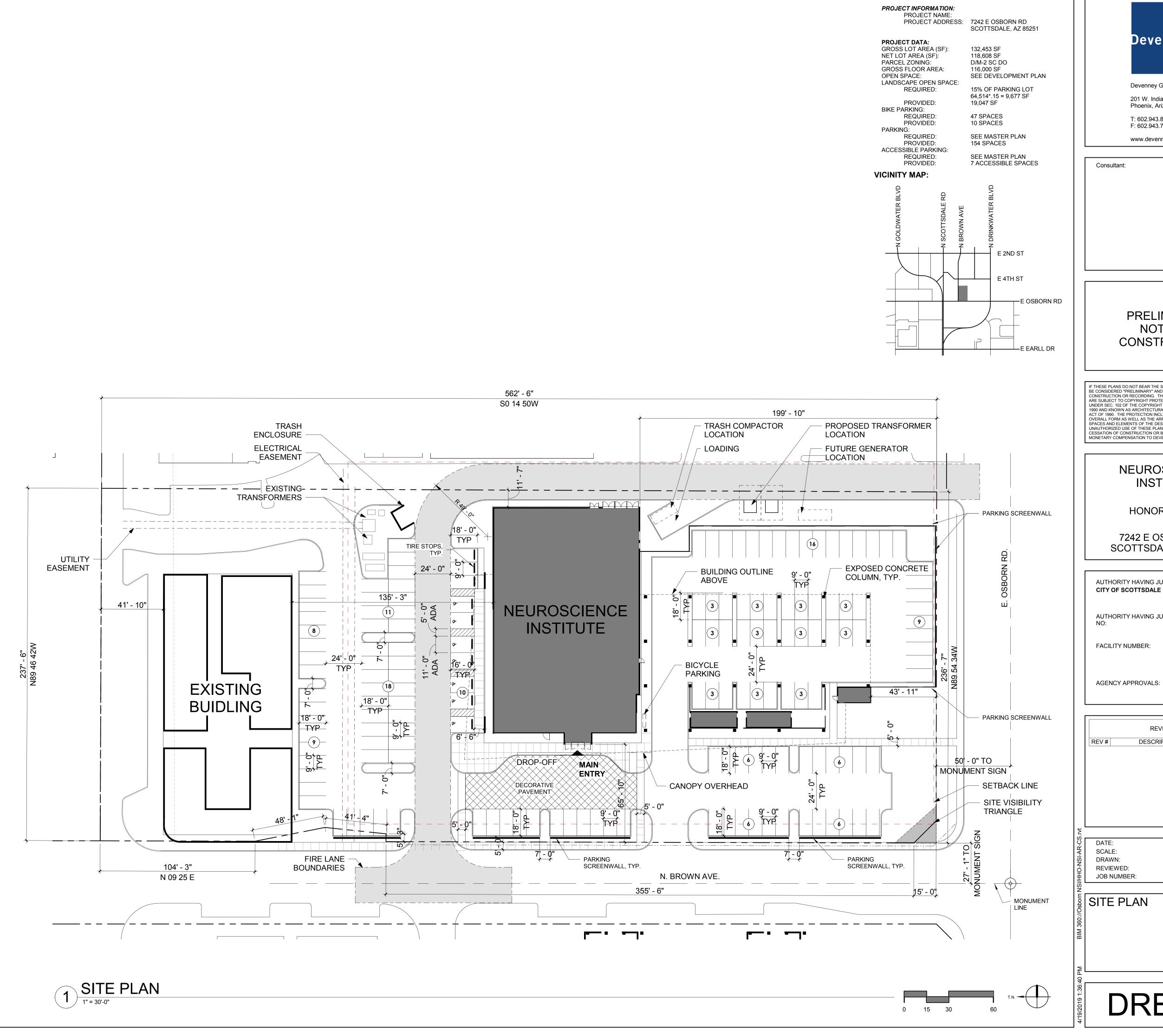
AGENCY APPROVALS:

	REVISIONS	
REV#	DESCRIPTION	DATE

DATE: 04/1719
SCALE: AS NOTED
DRAWN: JO
REVIEWED: JB
JOB NUMBER: 194976

PRELIMINARY IMPROVEMENT PLAN







Devenney Group Ltd., Architects 201 W. Indian School Road Phoenix, Arizona 85013 T: 602.943.8950

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REVISIONS DESCRIPTION DATE

04/18/2019 SCALE: As indicated DRAWN: Author REVIEWED: Checker JOB NUMBER:

SITE PLAN

DRB_23

Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the year 2019.

Any outstanding liabilities and obligations, including unpaid assessments, imposed upon said Land by reason of: (a) inclusion thereof within the boundaries of the Salt River Project Agricultural Improvement and Power District; (b) membership of the owner thereof in the Salt River Valley Water Users' Association, an Arizona corporation and (c) the terms of any Water Right Application made under the reclamation laws of the United States for the purposes of obtaining water rights for said Land.

Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

December 24, 1974

Docket 10965, page 428

Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Underground electric lines July 28, 1994 Recording Date:

Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose: Sight distance February 7, 1996 Recording Date: 96-0086378 Recording No:

Recording No:

Recording No:

Recording No:

Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose: Underground electric Recording Date: October 29, 1999

Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Electrical and Telecommunication lines Purpose: Recording Date: February 4, 2003

2003-0135157

99-0997610

Matters contained in that certain document

Abandonment Acceptance and Covenant By Parcel Lender, Tenant or Other Entitled:

Interest Holder (contains restrictions)

June 2, 2011 Recording Date: 20110464240 Recording No:

Reference is hereby made to said document for full particulars.

A resolution in favor of the City of Scottsdale, Arizona

Abandonment and Reservations November 2, 2011 Recording Date: 20110909415

Matters contained in that certain document

Development Agreement For Perimeter Exception

September 3, 2014 Recording Date:

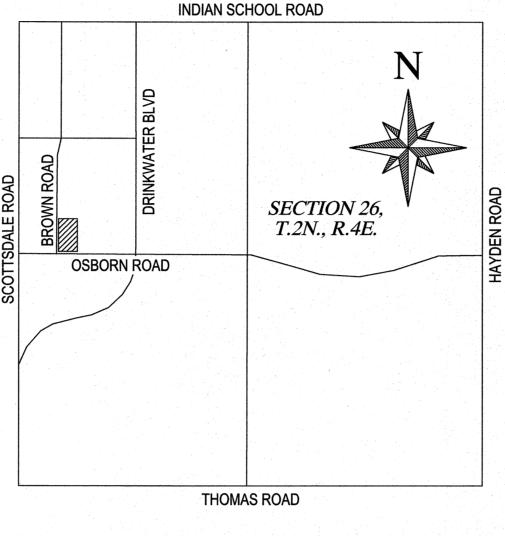
20140582197 Recording No:

Reference is hereby made to said document for full particulars.

Covenants, conditions, restrictions and easements but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, ancestry, or source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in the document

Recording No: 20140589721

Easements, covenants, conditions and restrictions as set forth on the plat recorded in Book 1308 of Maps,



VICINITY MAP

DESCRIPTION

(BASED ON COMMITMENT FOR TITLE INSURANCE PREPARED BY CHICAGO TITLE INSURANCE COMPANY ISSUING AGENT FOR CHICAGO TITLE AGENCY, INC., ORDER NO. C1902801-346-SB2, ISSUED APRIL 2, 2019, RECEIVED ON APRIL 11, 2019.)

THE LAND REFERRED TO HEREIN BELOW IS SITUATED SCOTTSDALE, IN THE COUNTY OF MARICOPA, STATE OF ARIZONA, AND IS DESCRIBED AS FOLLOWS:

Lot 5, of HONOR HEALTH - OSBORN MEDICAL CENTER, according to Book 1308 of Maps, page 21, records of Maricopa County, Arizona.

APN: 130-22-122

NOTES

- ALL TITLE INFORMATION IS BASED ON A COMMITMENT FOR TITLE INSURANCE PREPARED BY CHICAGO TITLE INSURANCE COMPANY, ISSUING AGENT CHICAGO TITLE AGENCY, INC. ORDER NO. C1902801-346-SB2 ISSUED APRIL 2, 2019, RECEIVED ON APRIL 11, 2019.
- THE HORIZONAL DATUM FOR THIS SURVEY IS BASED ON THE MARICOPA COUNTY DEPARTMENT OF TRANSPORATION (MCDOT) GEODETIC DENSIFICATION AND CADASTRAL SURVEY (GDACS) WEBSITE "WWW.MCDOT.MARICOPA.GOV", UNDER THE SURVEY INFORMATION LINK ON MARCH

PROJECTION: ARIZONA CENTRAL ZONE, NAD 83, (EPOCH 1992) DATUM: GRS-80 UNITS: INTERNATIONAL FEET **GEOID MODEL: GEOID 12A** HORIZONTAL ADJUSTMENT: NONE HORIZONTAL ROTATION: NONE

CONTROL POINT # 24592-1 LATITUDE: 33°29'15.54023"N LONGITUDE: 111°55'34.09457" W **ELLIPSOID HEIGHT: 1149.358** DESCRIPTION: 3" CITY OF SCOTTSDALE BRASS CAP IN HANDHOLE

MODIFIED TO GROUND AT (GRID) N: 904956.891, E: 697112.599, BEING THE WEST 1/4 CORNER OF SECTION 26, T.2N., R.4E. G&SRM, AND USING A SCALE FACTOR OF 1.0001548688.

- THIS SURVEY WAS PERFORMED WITH GLOBAL POSITIONING SYSTEM EQUIPMENT UTILIZING REAL TIME KINEMATICS SURVEYING METHODS. THE MONUMENTS LOCATED ARE WITHIN THE POSITIONAL TOLERANCES RECOMMENDED IN THE ALTA/NSPS SURVEY REQUIREMENTS ADOPTED FOR USE IN 2016 BY THE AMERICAN LAND TITLE ASSOCIATION AND THE NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS.
- AREA OF PARCEL 1 IS 132,447 SQUARE FEET OR 3.0360 ACRES, MORE OR LESS. AREA OF EXCEPTION PARCEL IS 304 SQUARE FEET OR 0.0070 ACRES, MORE OR LESS. TOTAL AREA IS 132,751 SQUARE FEET OR 3.0475 ACRES, MORE OR LESS.
- THE ABBREVIATIONS THAT APPEAR WITH THE RECORD INFORMATION REPRESENT THE
 - ABOVE NAMED TITLE COMMITMENT
 - DOCUMENT, DOCKET 5702, PAGE 516, M.C.R.
 - DOCUMENT, DOCKET 2785, PAGE 580, M.C.R.
 - MAP OF DEDICATION, BOOK 576, PAGE 16, M.C.R. MINOR LAND DIVISION BOOK 1300, PAGE 27, M.C.R.
- (R5) PLSS SUBDIVISION RECORD OF SURVEY, BOOK 734, PAGE 10, M.C.R.
- ACCORDING TO FEMA FLOOD INSURANCE RATE MAP NO. 04013C2235L DATED OCTOBER 16, 2013, THE SUBJECT PROPERTY IS LOCATED IN OTHER AREAS ZONE X. OTHER AREAS ZONE X IS DESCRIBED AS: "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD."
- ANY DISTANCES, BEARINGS, DESCRIPTIONS, ETC., WHICH MAY VARY FROM THE PROVISIONS OF THE RECORD INFORMATION NOTED ABOVE REFLECT ACTUAL MEASURED DATA, OR THE BEST INTERPRETATION OF THE UNDERSIGNED.
- 8) SCHEDULE B ITEMS 10 AND 11 ARE BLANKET IN NATURE AND APPEAR TO AFFECT SUBJECT PROPERTY
- ADJOINING OWNER INFORMATION IS PER THE MARICOPA COUNTY ASSESSOR'S OFFICE GEOGRAPHIC INFORMATION SYSTEM (GIS) WEBSITE ON APRIL 23, 2019.
- 10) SCHEDULE B ITEMS A, 1, AND 2 ARE NOT PLOTTABLE. HOWEVER, SAID SCHEDULE B ITEMS MAY OR MAY NOT AFFECT SUBJECT PROPERTY.
- 11) IN THE OPINION OF THE UNDERSIGNED, SCHEDULE "B" ITEM 5 DOES NOT APPEAR TO AFFECT SUBJECT PROPERTY.
- 12) 202 TOTAL REGULAR PARKING SPACES AND 6 GOLF CART PARKING SPACES WERE OBSERVED IN THE PROCESS OF CONDUCTING THE SURVEY, AS FOLLOWS (AS DEPICTED 26 CROSS INTO ADJACENT PARCELS OR R/W): REGULAR: 197 / GOLF CART: 6 / HANDICAP: 5
- 13) SCHEDULE B ITEM 9 INDICATES A PARKING RELOCATION RIGHT AND EASEMENT. SAID RIGHTS AND EASEMENT TO BE WITHIN THE AREA BOUND BY SCOTTSDALE ROAD/ OSBORN ROAD/ DRINKWATER ROAD/ AND 2ND STREET, PARKING RELOCATION RIGHTS AND EASEMENTS ARE NOT PLOTTABLE HOWEVER, SAID SCHEDULE B ITEMS APPEAR TO AFFECT SUBJECT PROPERTY.
- 14) EXCEPTION PARCEL AND R/W DEDICATION SHOWN AS DOCUMENT NUMBERS 1999-8846376, AND 1997-884955, M.C.R. WAS NOT PROVIDED IN THE TITLE REPORT, OTHER THAN, AS MADE REFERENCE WITHIN SCHEDULE B ITEM 12. IT IS THE BELIEF OF THE UNDERSIGNED THAT THIS PARCEL WAS DEDICATED TO THE CITY OF SCOTTSDALE UNDER DOCUMENT NUMBER 1997-884955, M.C.R. UNTIL ADDITIONAL INFORMATION CAN BE PROVIDED BY THE ISSUING TITLE COMPANY.
- CENTERLINE FOR OSBORN ROAD IS SHOWN AT CURRENT MONUMENTAITON LINE WHICH SUBSTANTIALLY AGREES WITH (R4) USING EXISTING MONUMENTATION FOUND. CONTACTED SURVEYOR FOR RECORD PLAT (R) UNABLE TO DETERMINE DISCREPANCY. PROPERTY BOUNDARY SHOWN HEREON PER (R) DIMENSIONS.
- 16) THE RIGHT OF WAY FOR BROWN ROAD IS SHOWN HEREON BASED ON (R) DIMENSIONS, UNTIL FURTHER INFORMATION MAY BE PROVIDED. IT IS THE BELIEF OF THE UNDERSIGNED THAT NO INFORMATION HAS CURRENTLY BEEN PROVIDED AS THE THE DEDICATION OF THIS RIGHT OF WAY.

CERTIFICATION

TO: SCOTTSDALE HEALTHCARE HOSPITALS, AN ARIZONA NON-PROFIT CORPORTATION, F/K/A SCOTTSDALE MEMORIAL HOSPITALS, F/K/A WESTERN BAPTIST HOSPITAL OF SCOTTSDALE, F/K/A BAPTIST SCOTTSDALE CITY OF SCOTTSDALE

CHICAGO TITLE INSURANCE COMPANY, ISSUING AGENT CHICAGO TITLE AGENCY, INC.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 3, 4, 8, AND 9 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON APRIL 19, 2019.

DENNIS HARMON JR. R.L.S. 68083 WOOD, PATEL & ASSOCIATES, INC. 2051 WEST NORTHERN AVENUE - SUITE 100 PHOENIX, ARIZONA 85021 (602) 335-8500 SURVEYOR@WOODPATEL.COM



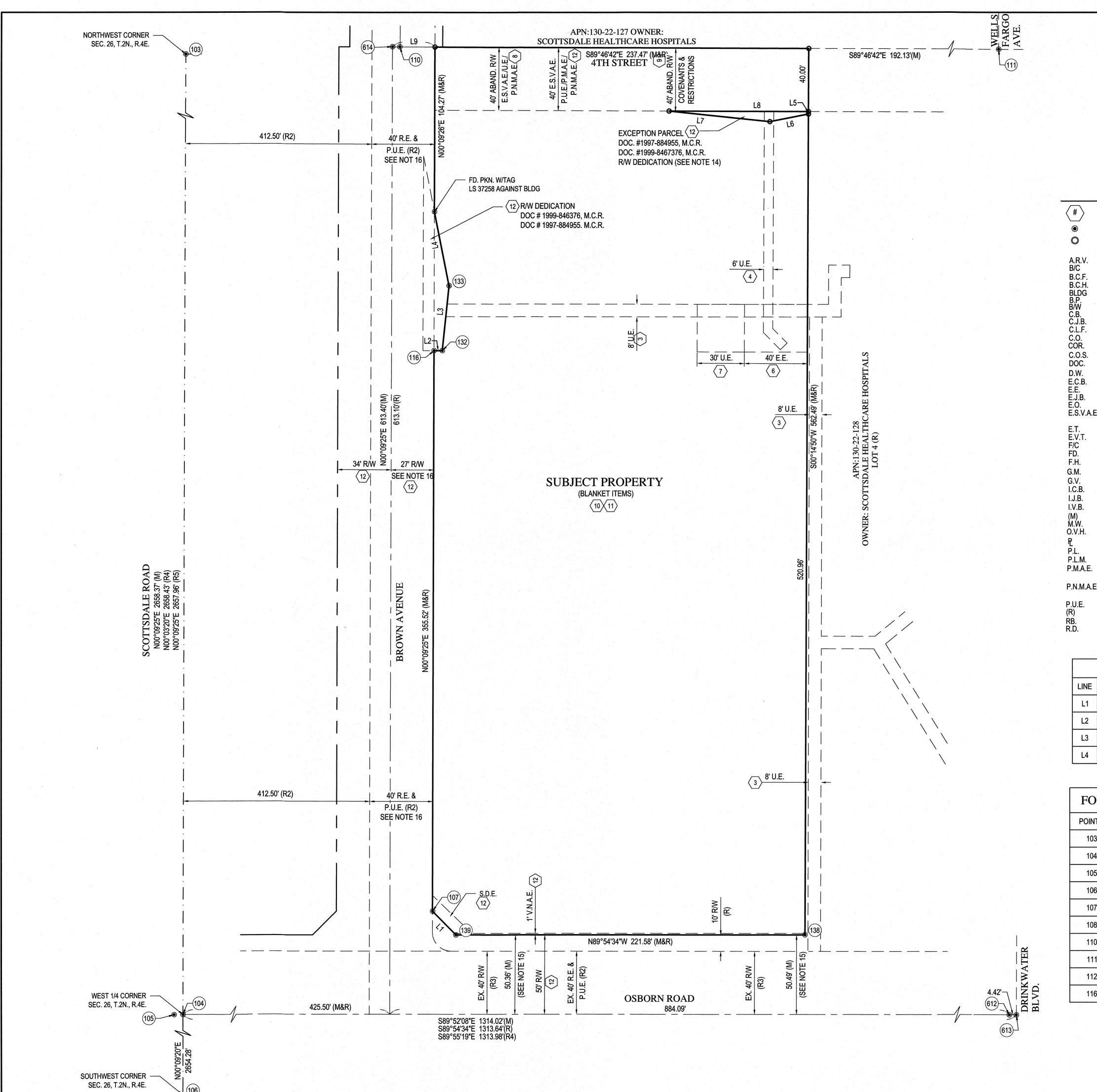
(A)

SUR

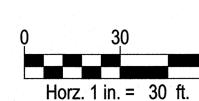
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COMPLETED SURVEY FIELD WORK ON 4/19/2019 **CHECKED BY CAD TECHNICIAN** JKP/DHJ SCALE N.T.S. 04/24/2019 JOB NUMBER 194976 SHEET

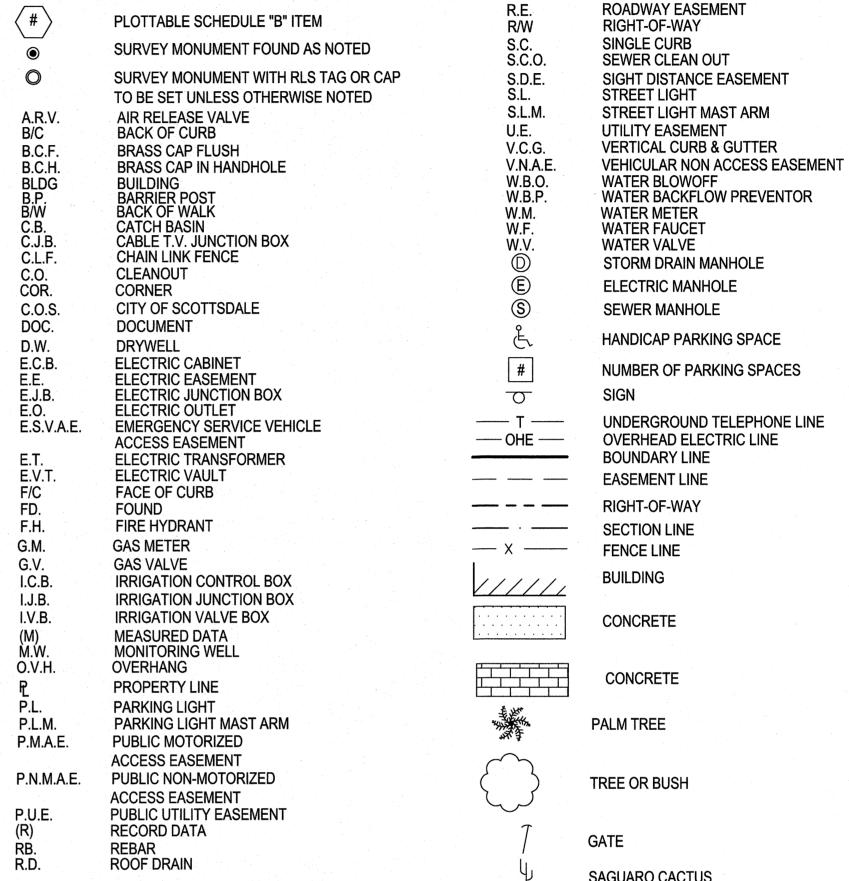
OF







LEGEND



	LINE TABLE (N	1&R)
LINE	BEARING	DISTANCE
L1	N44°52'34"W	21.20'
L2	S89°49'40"E	5.22'
L3	N05°59'11"E	41.30'
L4	N11°07'52"W	48.10'

		LINE TABLE ((M)			
1	LINE	BEARING	DISTANCE		LINE TABLE	(R)
1	L5	S00°14'50"W	1.53'	LINE	BEARING	DISTANCE
1	L6	N78°52'33"E	25.03'	L6	S78°42'45"E	32.81'
	L7	S84°01'01"E	64.30'	L7	N84°10'49"W	64.30'
	L8	N89°46'42"W	88.52'	L8	S89°56'30"E	96.15'
J	L9	S89°46'30"E	27.00'			

GATE

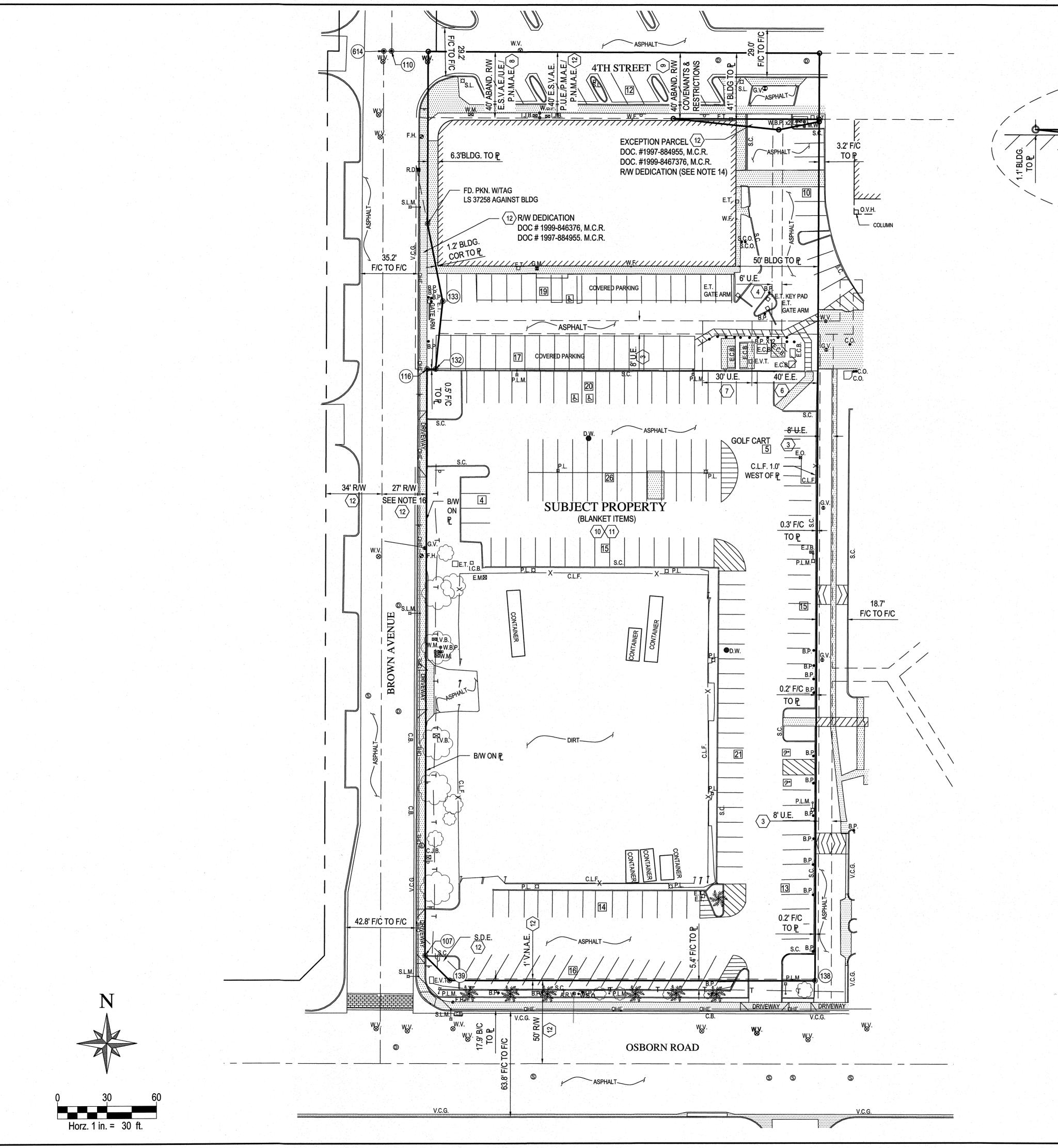
SAGUARO CACTUS

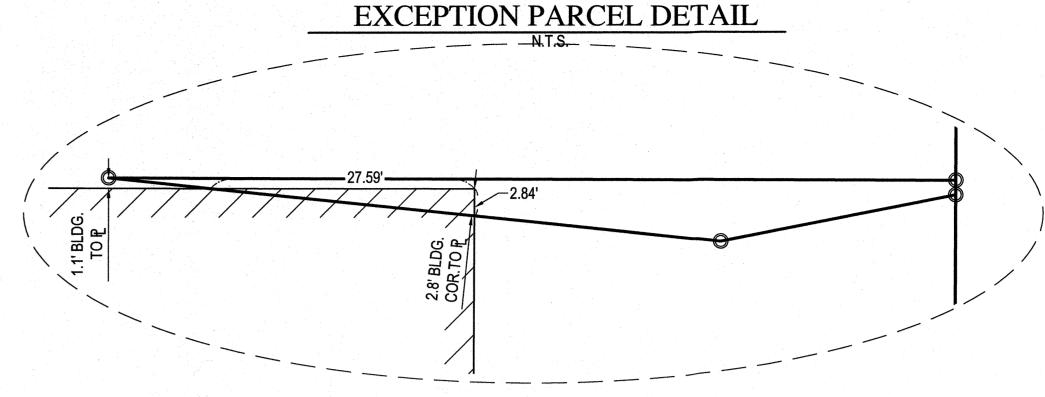
FOUN	D AND SET MONUMENTS	FOUN	D AND SET MONUMENTS
POINT#	DESCRIPTION	POINT#	DESCRIPTION
103	FD 3 INCH C.O.S. B.C.H. 0.7 DOWN	117	FD PKN /W/TAG LS37258
104	FD 3 INCH C.O.S. B.C.H. 0.5 DOWN	132	FD RB.W\CAP LS 37258
105	FD 3 INCH C.O.S. B.C.H. 0.6 DOWN	133	FD PKN W\TAG LS 37258
106	FD 3 INCH C.O.S. B.C.H. 0.8 DOWN	138	FD PKN W\TAG LS 37258
107	FD. 1/2 INCH RB. W/CAP LS 37258	139	FD RB. W/CAP LS 37528 IN BUSHES
108	FD PKN W/TAG LS 37258	612	FD 3 INCH C.O.S. B.C.H.
110	FD 3 INCH C.O.S. B.C.F.	613	FD 3 INCH C.O.S. B.C.H.
111	FD 3 INCH C.O.S. B.C.F.	614	FD 3 INCH C.O.S. B.C.H.
112	FD 3 INCH C.O.S. B.C.H. 1FT DOWN	615	FD 3 INCH C.O.S. B.C.H.
116	FD RB. /1/2IN W/CAP LS37258	616	FD PKN \SHINER



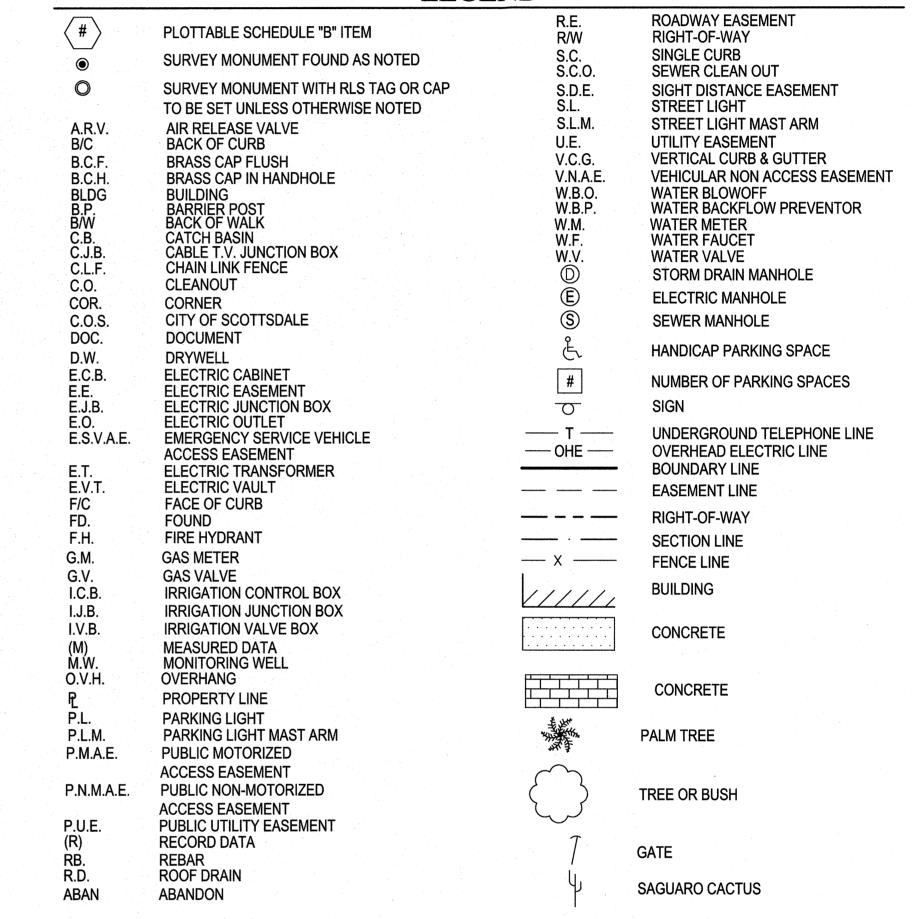
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COMPLETED SURVEY FIELD WORK ON 4/19/2019 CHECKED BY CAD TECHNICIAN JKP/DHJ 1"=30' 04/24/2019 JOB NUMBER





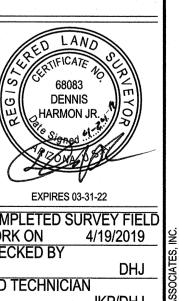
LEGEND



LINE TABLE	(M)
BEARING	DISTANCE
S00°14'50"W	1.53'
N78°52'33"E	25.03'
S84°01'01"E	64.30'
N89°46'42"W	88.52'
S89°46'30"E	27.00'
	S00°14'50"W N78°52'33"E S84°01'01"E N89°46'42"W

	LINE TABLE	(M)	P 10 10 10 10 10 10 10 10 10 10 10 10 10		
INE	BEARING	DISTANCE		LINE TABLE	(R)
L5	S00°14'50"W	1.53'	LINE	BEARING	DISTANCE
L6	N78°52'33"E	25.03'	L6	S78°42'45"E	32.81'
L7	S84°01'01"E	64.30'	L7	N84°10'49"W	64.30'
L8	N89°46'42"W	88.52'	L8	S89°56'30"E	96.15'
10	C00°46'20"E	27 00'			

FOUN	D AND SET MONUMENTS	FOUND	AND SET MONUMENTS
POINT#	DESCRIPTION	POINT#	DESCRIPTION
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104	FD 3 INCH C.O.S. B.C.H. 0.5 DOWN	132	FD RB.W\CAP LS 37258
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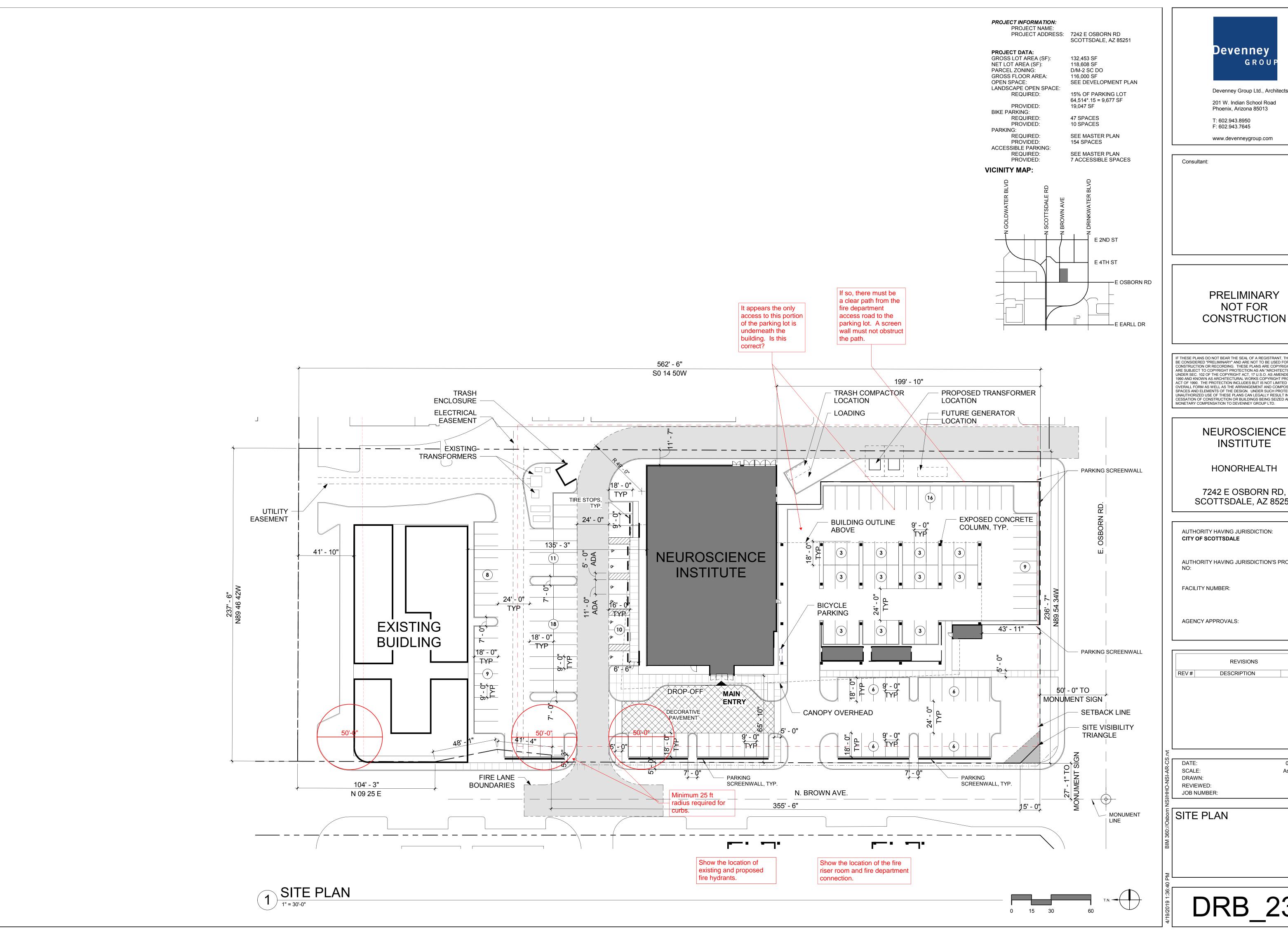
COMPLETED SURVEY FIELD WORK ON CHECKED BY CAD TECHNICIAN 1"=30' 04/24/2019 JOB NUMBER

MISSION

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/NSPS

VICE ®





Devenney Group Ltd., Architects 201 W. Indian School Road

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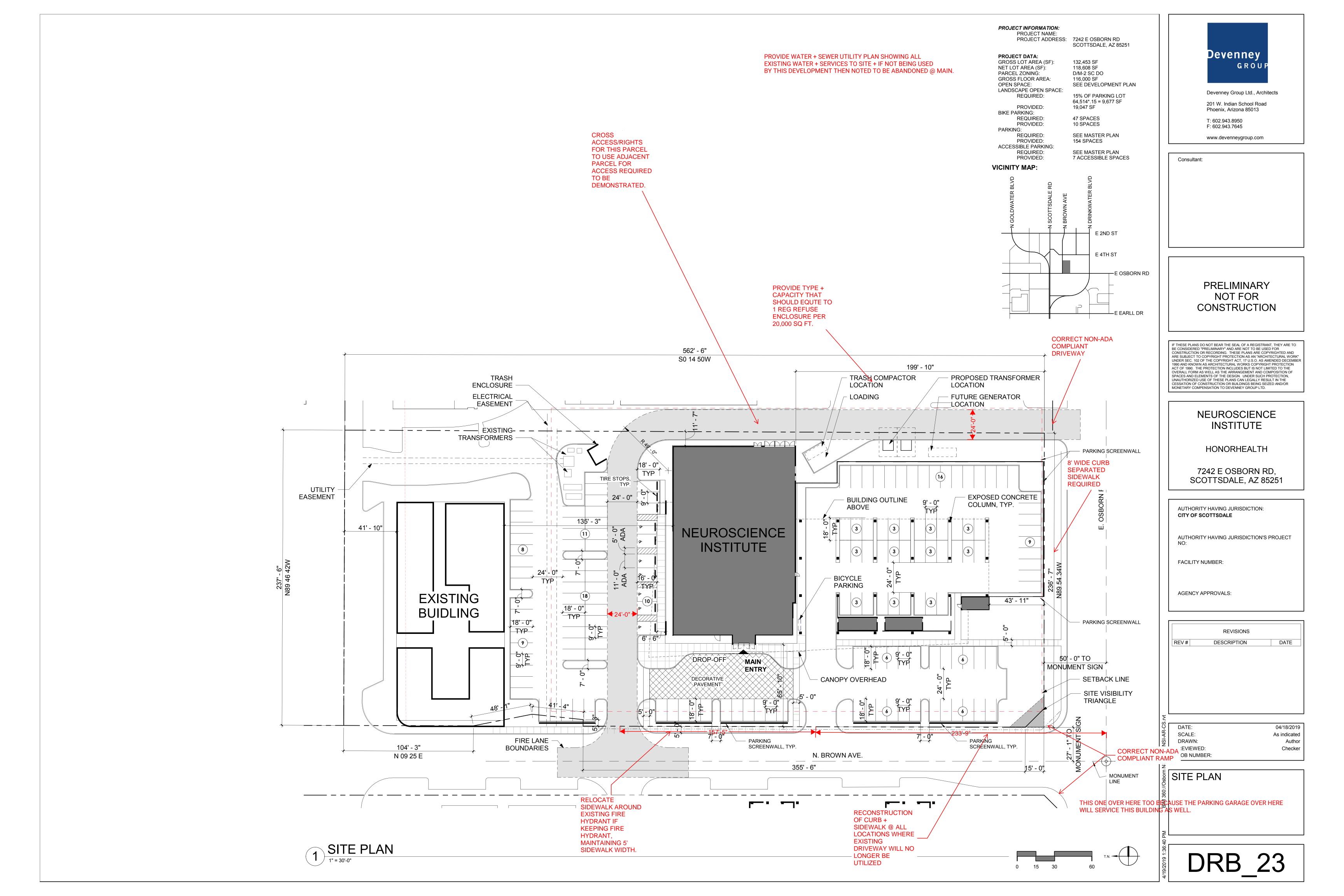
SCOTTSDALE, AZ 85251

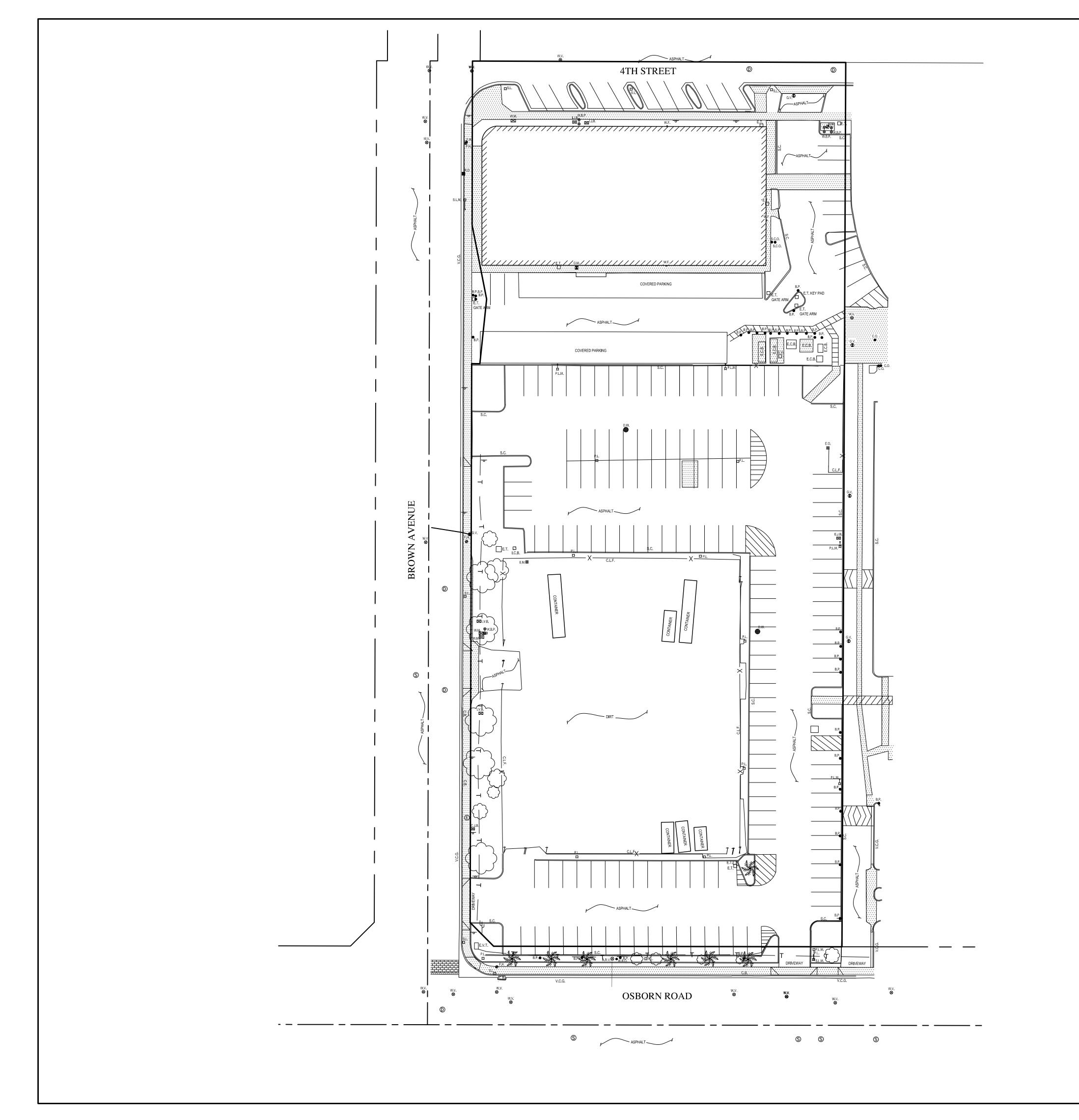
AUTHORITY HAVING JURISDICTION'S PROJECT

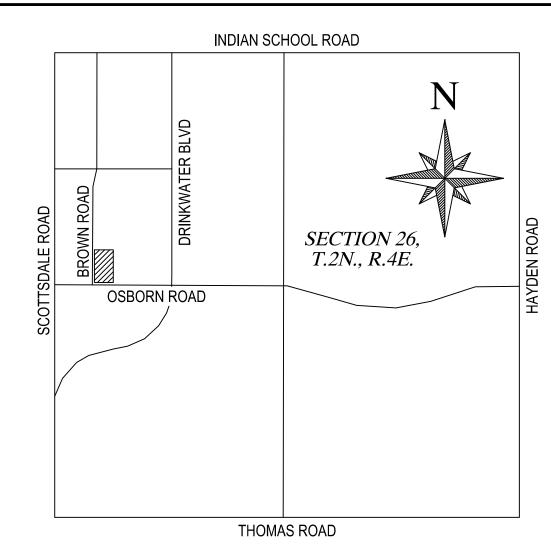
DATE

04/18/2019 As indicated Author Checker

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VICINITY MAP N.T.S.

NOTES

THE PURPOSE OF THIS SURVEY ALTA EXHIBIT IS TO PROVIDE A PRELIMINARY VIEW OF THE TOPOGRAPHIC INFORMATION AS SURVEYED TOGETHER WITH PRELIMINARY PROPERTY LINES PER MAP OF RECORD, PERIMETER EXCEPTION FINAL PLAT FOR HONOR HEALTH - OSBORN MEDICAL CENTER, RECORDED AS BOOK 1308 PAGE 21, RECORDS OF MARICOPA COUNTY, ARIZONA.

NO EASEMENTS, RESTRICTIONS, RESERVATION, TITLE INFORMATION HAS BEEN SHOWN. WOOD, PATEL, AND ASSOCIATES, INC., DOES NOT WARRANT OR CERTIFY TO THE POSITION OF THE PROPERTY LINES AS SHOWN HEREON, AS THEY ARE FOR REFERENCE ONLY.



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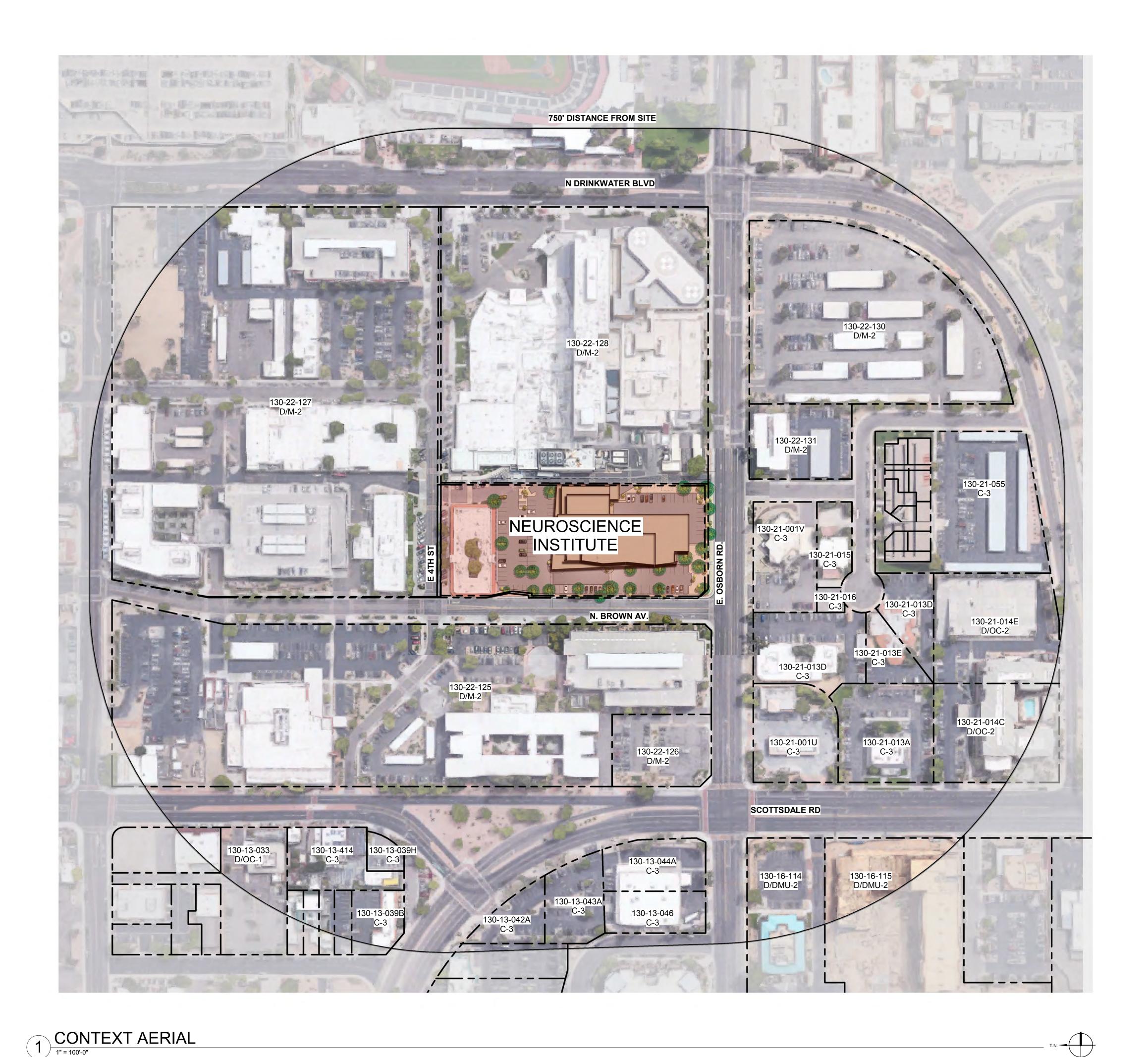
EXHIBIT SURVEY

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COMPLETED SURVEY FIELD WORK ON 4/19/2019 CHECKED BY CAD TECHNICIAN 1"=20' 04/19/2019 JOB NUMBER

194976 OF





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Consultant:

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NEUROSCIENCE INSTITUTE

HONORHEALTH

7242 E OSBORN RD, SCOTTSDALE, AZ 85251

AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE

AUTHORITY HAVING JURISDICTION'S PROJECT

FACILITY NUMBER:

AGENCY APPROVALS:

REVISIONS		
DESCRIPTION	DATE	
	'	

 DATE:
 04/18/2019

 SCALE:
 1" = 100'-0"

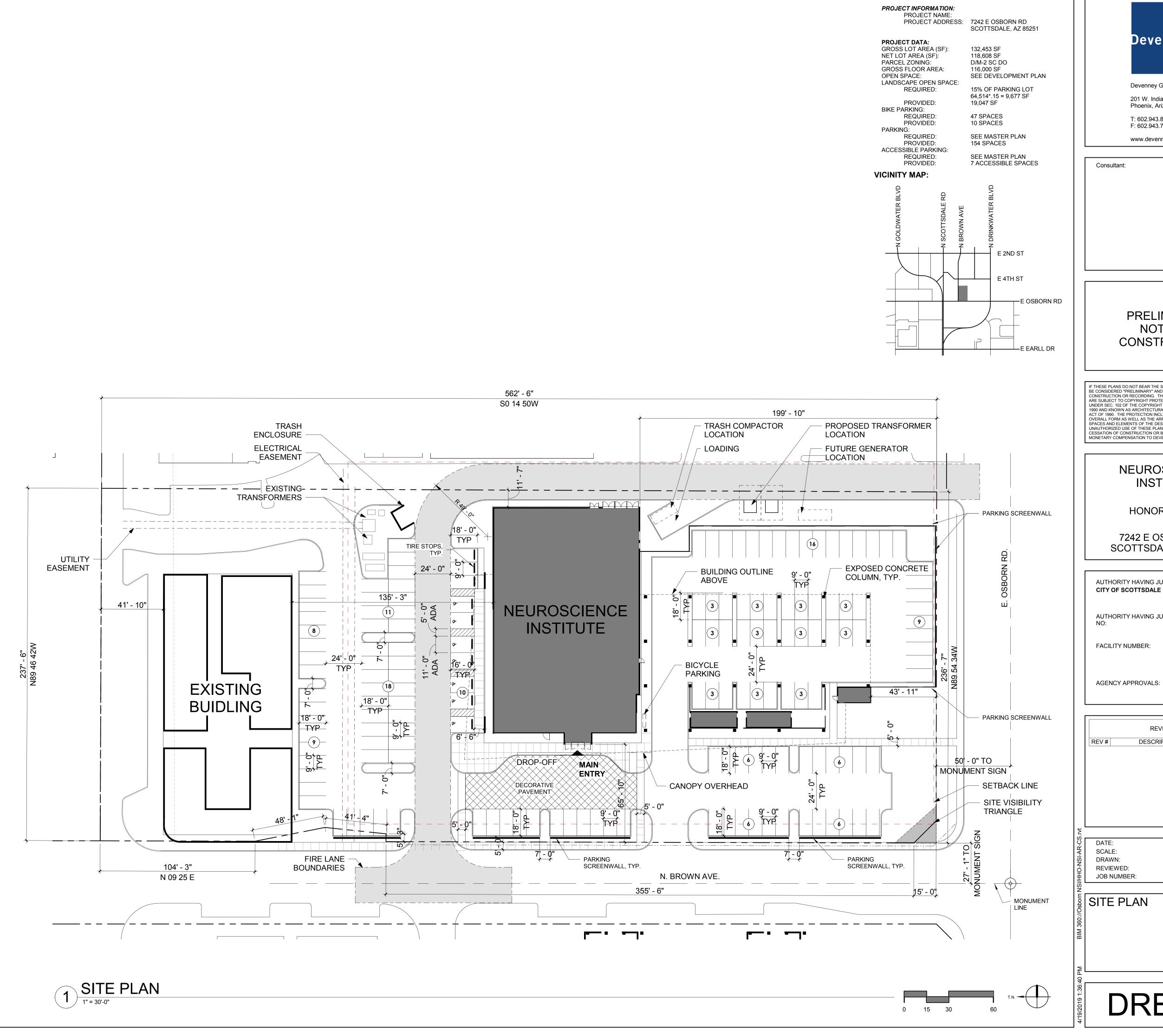
 DRAWN:
 Author

 REVIEWED:
 Checker

 JOB NUMBER:

CONTEXT AERIAL

DRB_22





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REVISIONS DESCRIPTION DATE

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SITE PLAN

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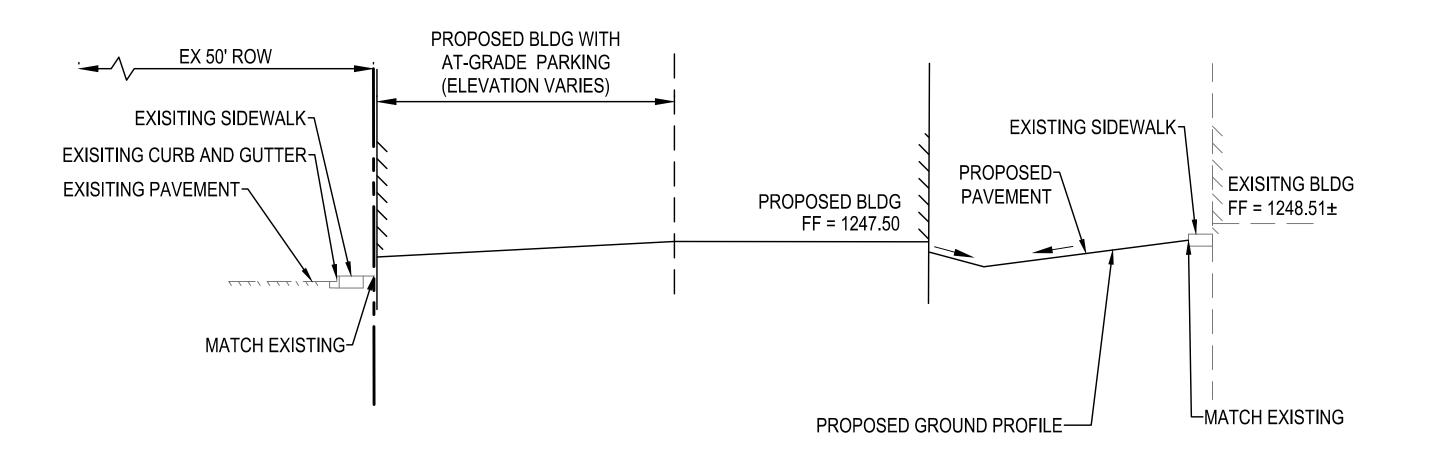


SITE PLAN - DESIGN IS CONCEPTUAL & SUBJECT TO CHANGE

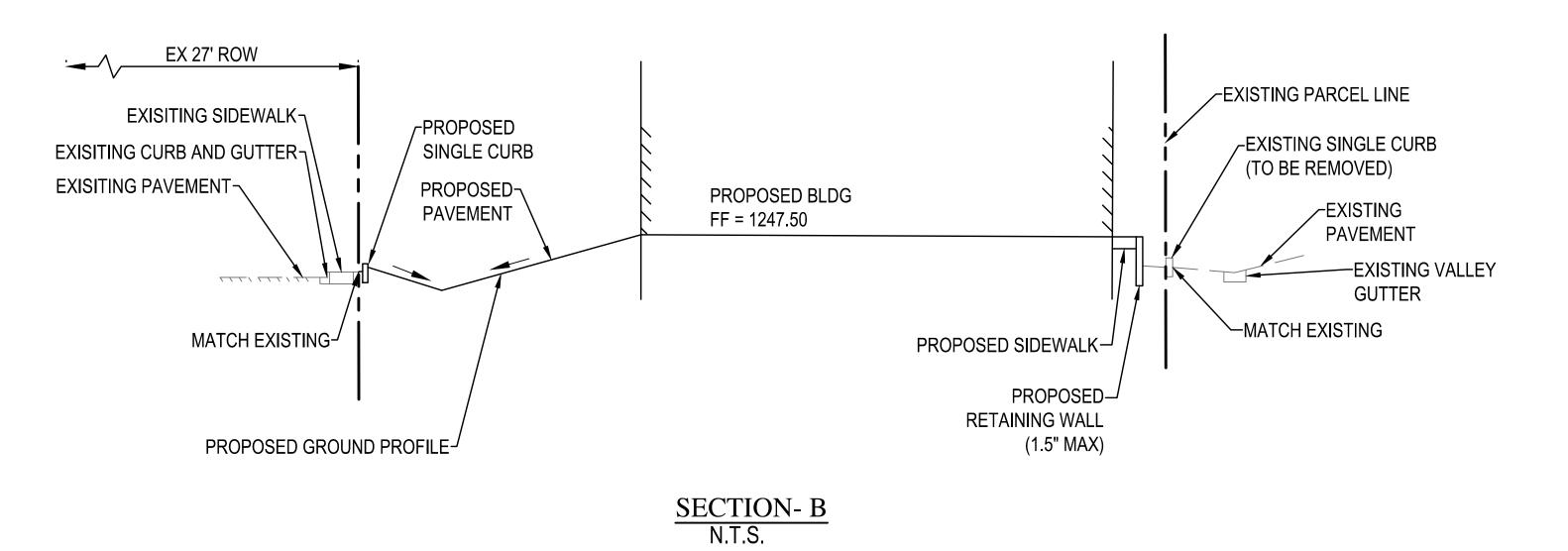


HONORHEALTH OSBORN 7242 E OSBORN RD, SCOTTSDALE, AZ 85251 04/11/19 **NEUROSCIENCE INSTITUTE**





SECTION- A N.T.S.



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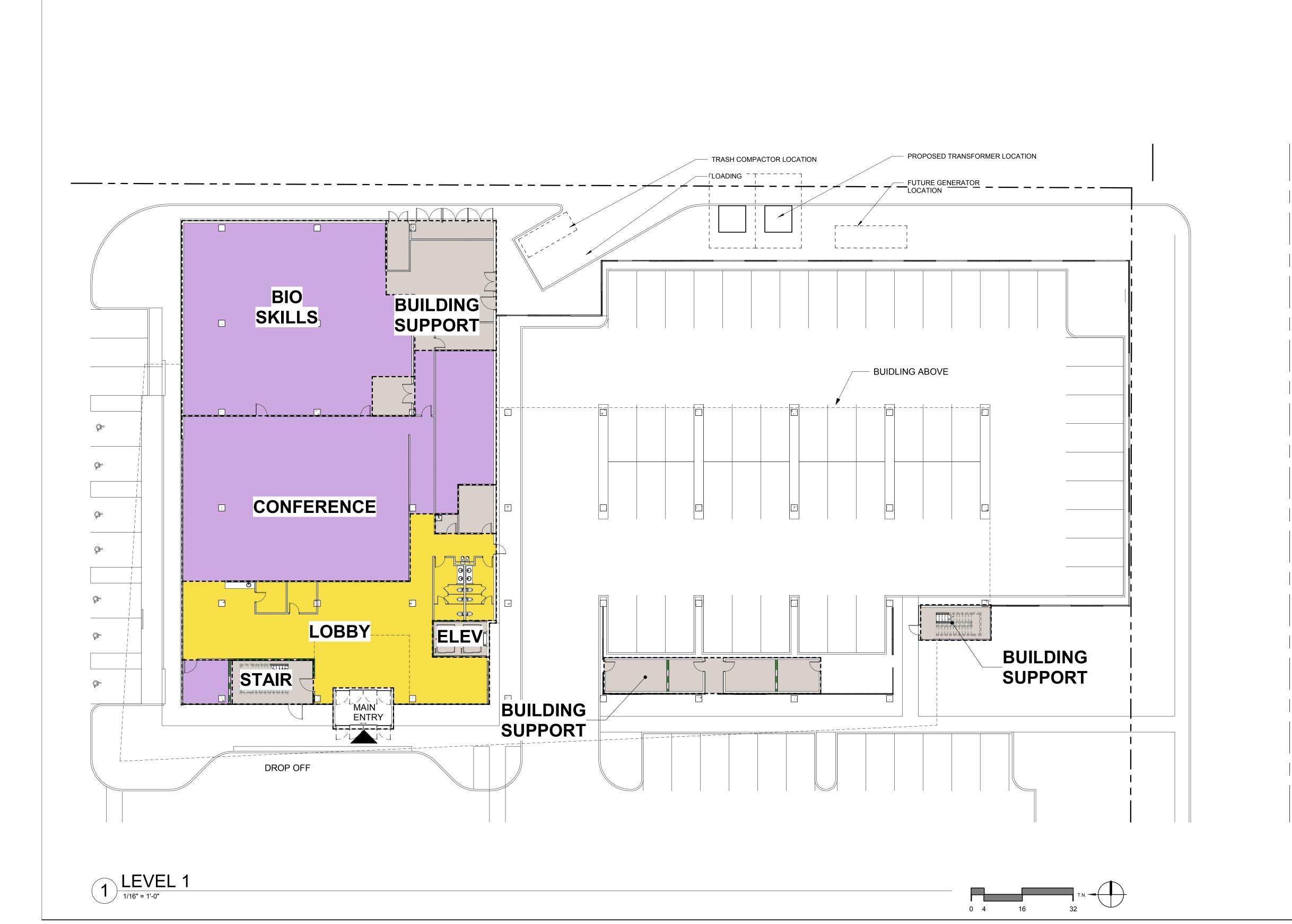
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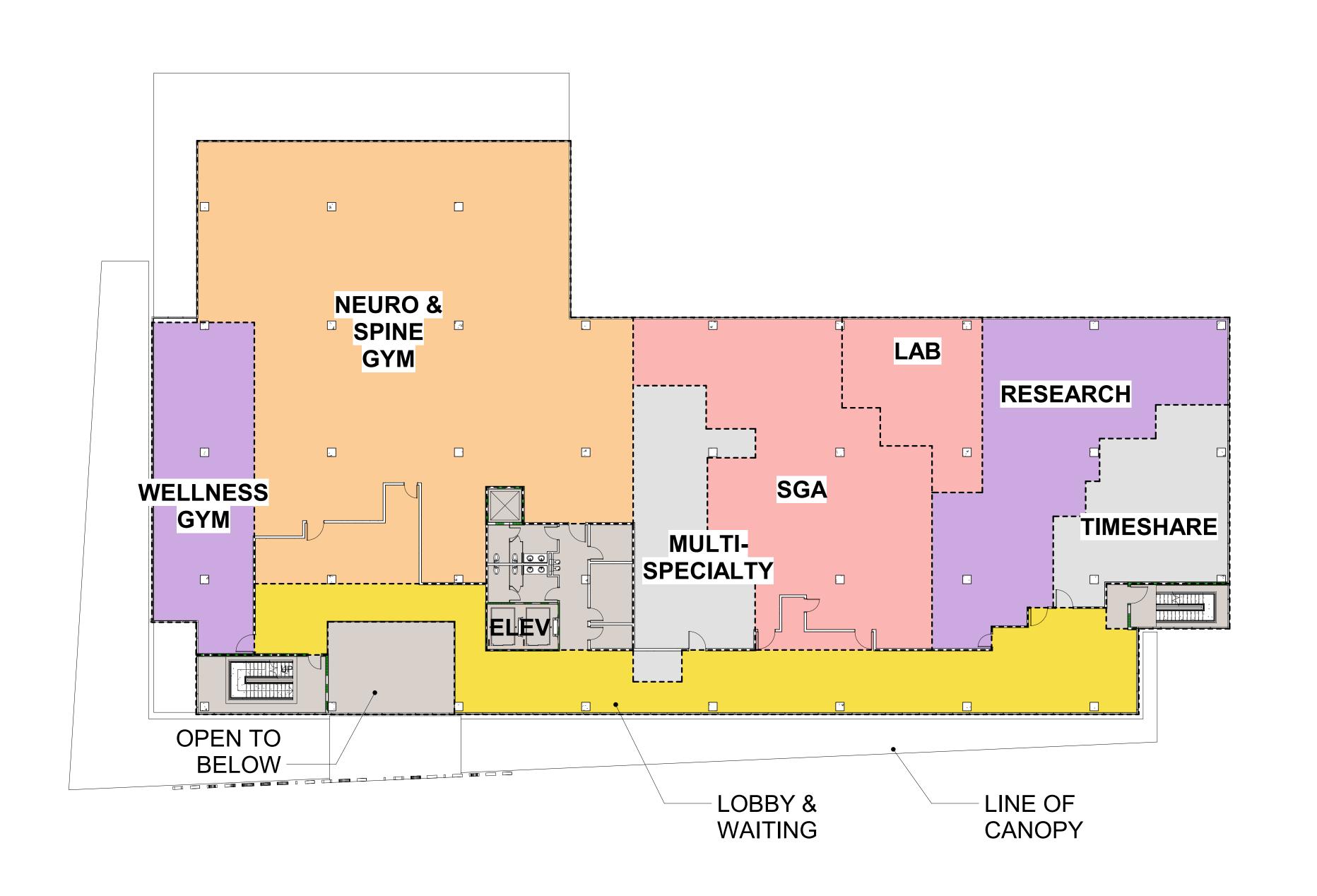
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FLOOR PLANS

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1 LEVEL 2
1/16" = 1'-0"



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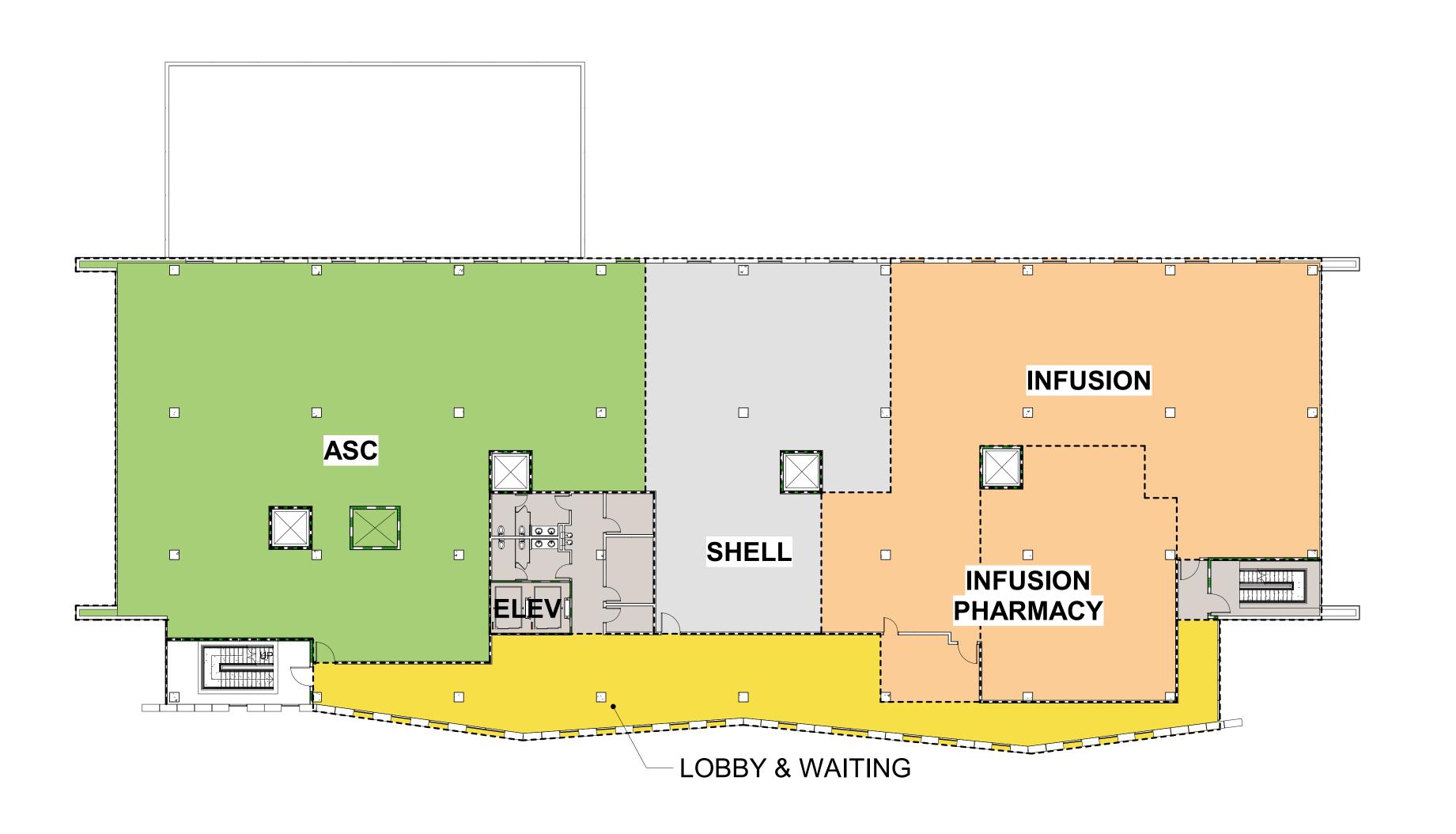
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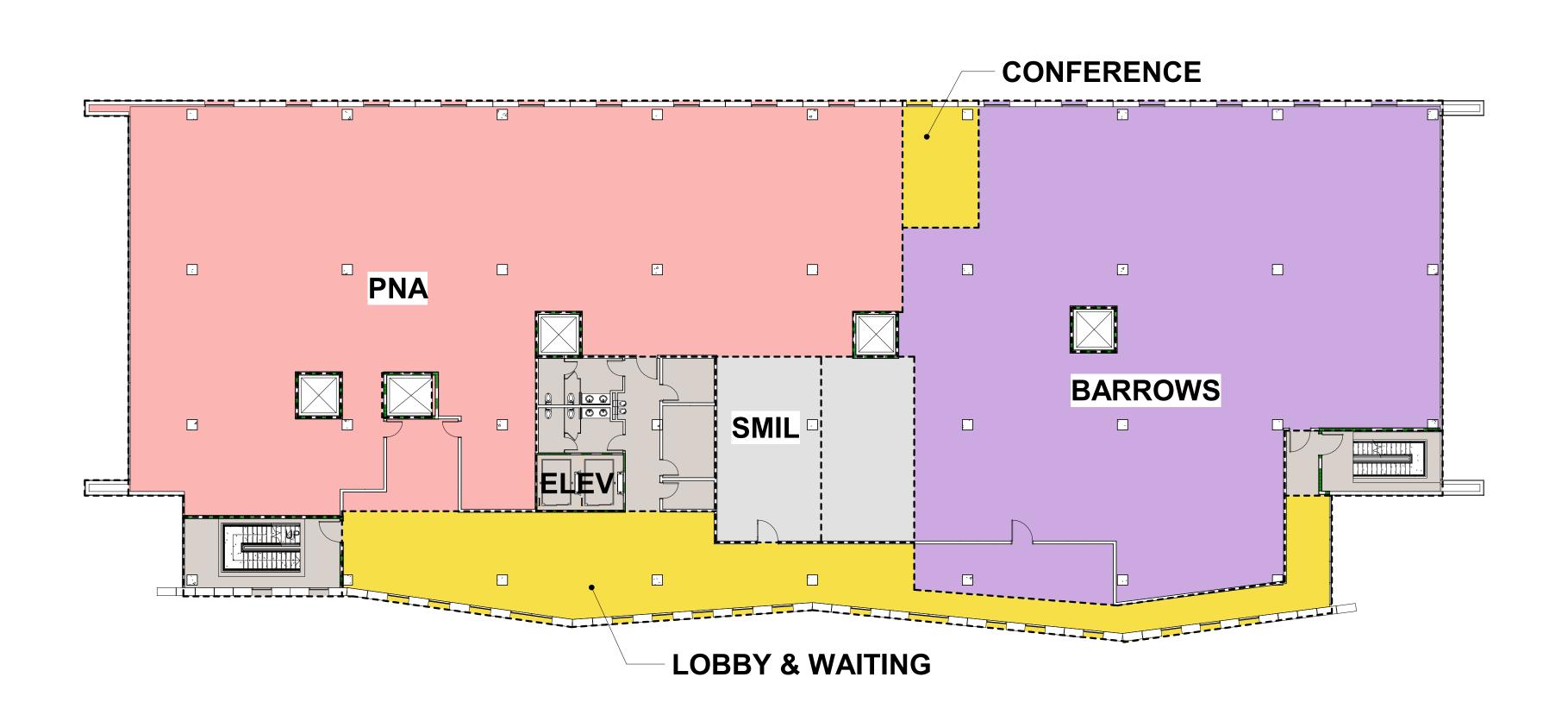
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1 LEVEL 4
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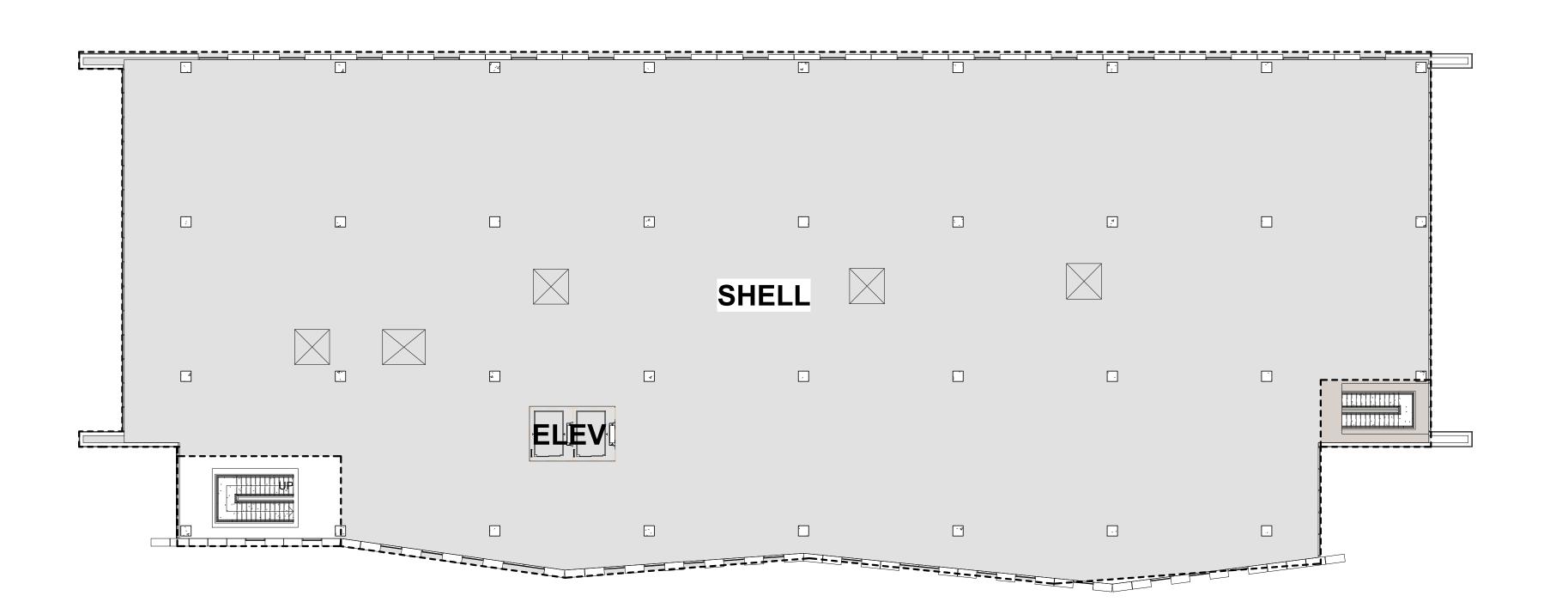
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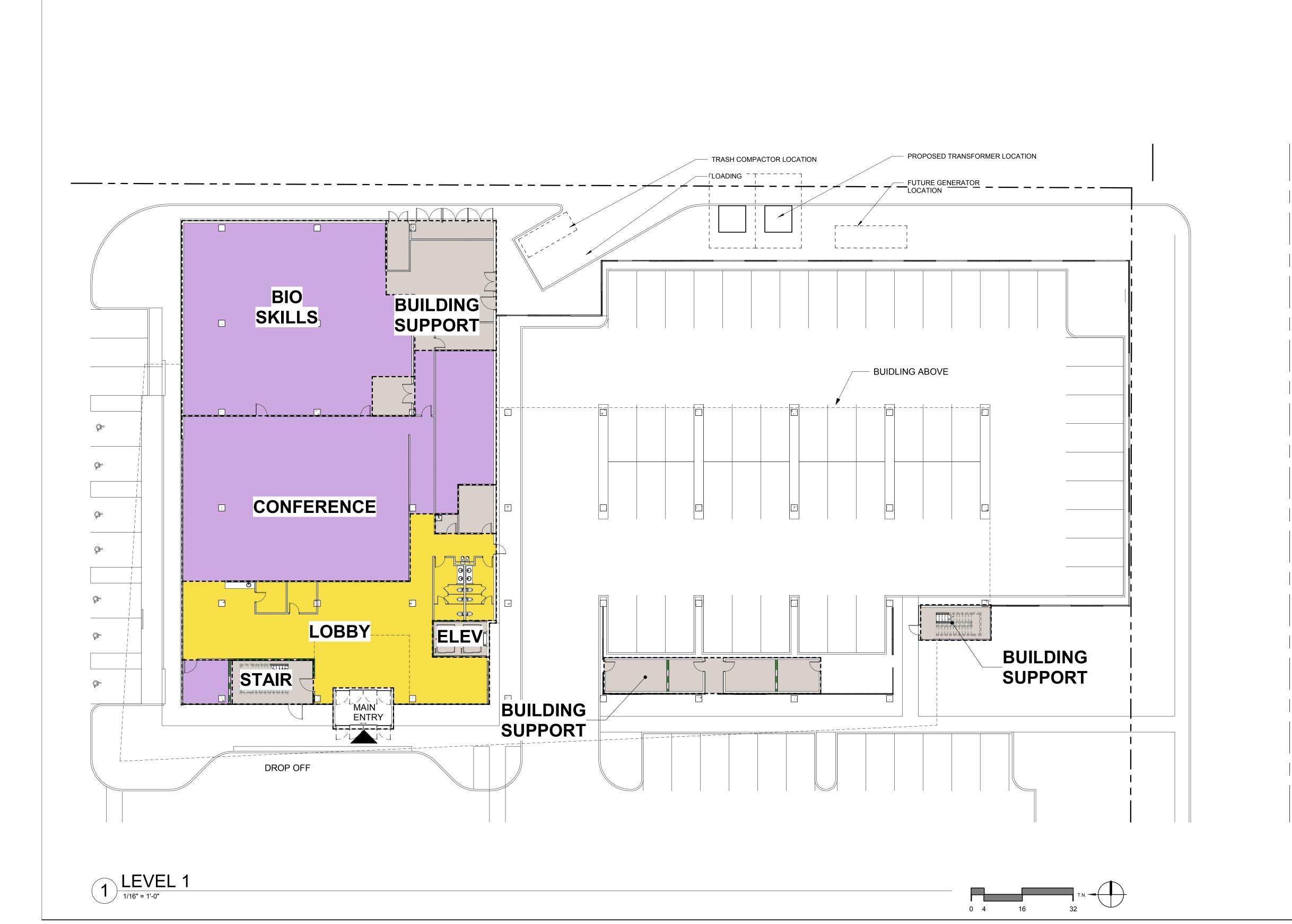
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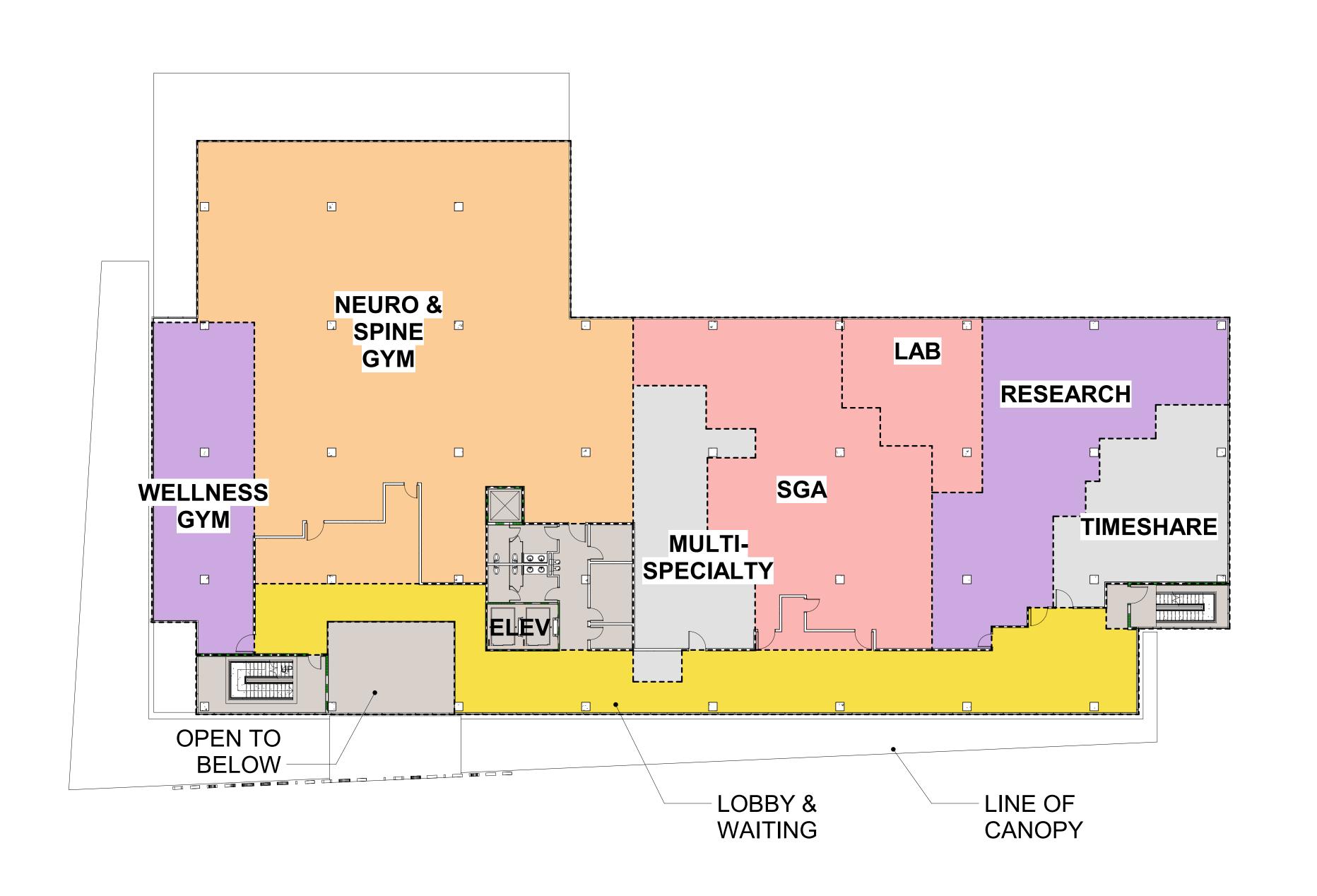
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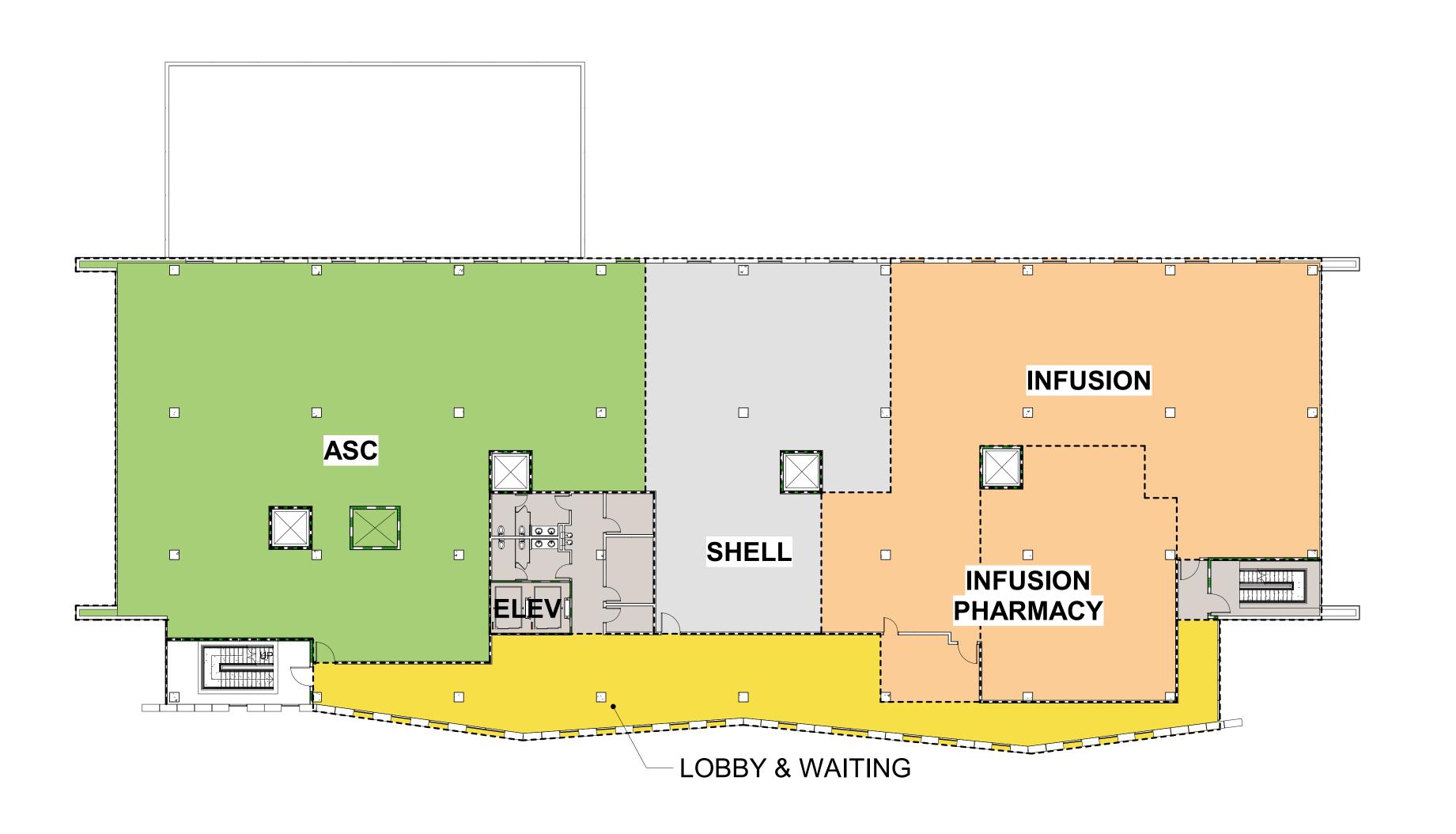
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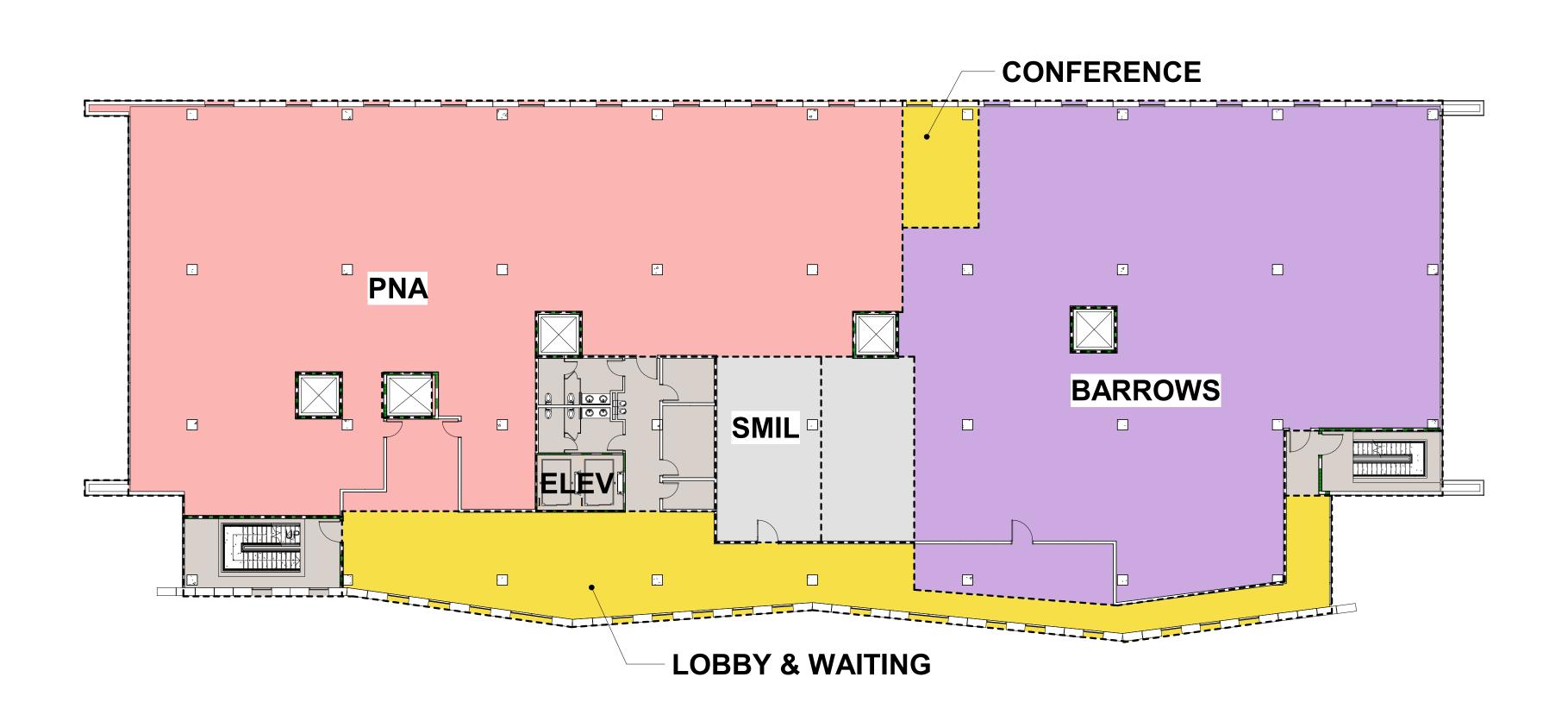
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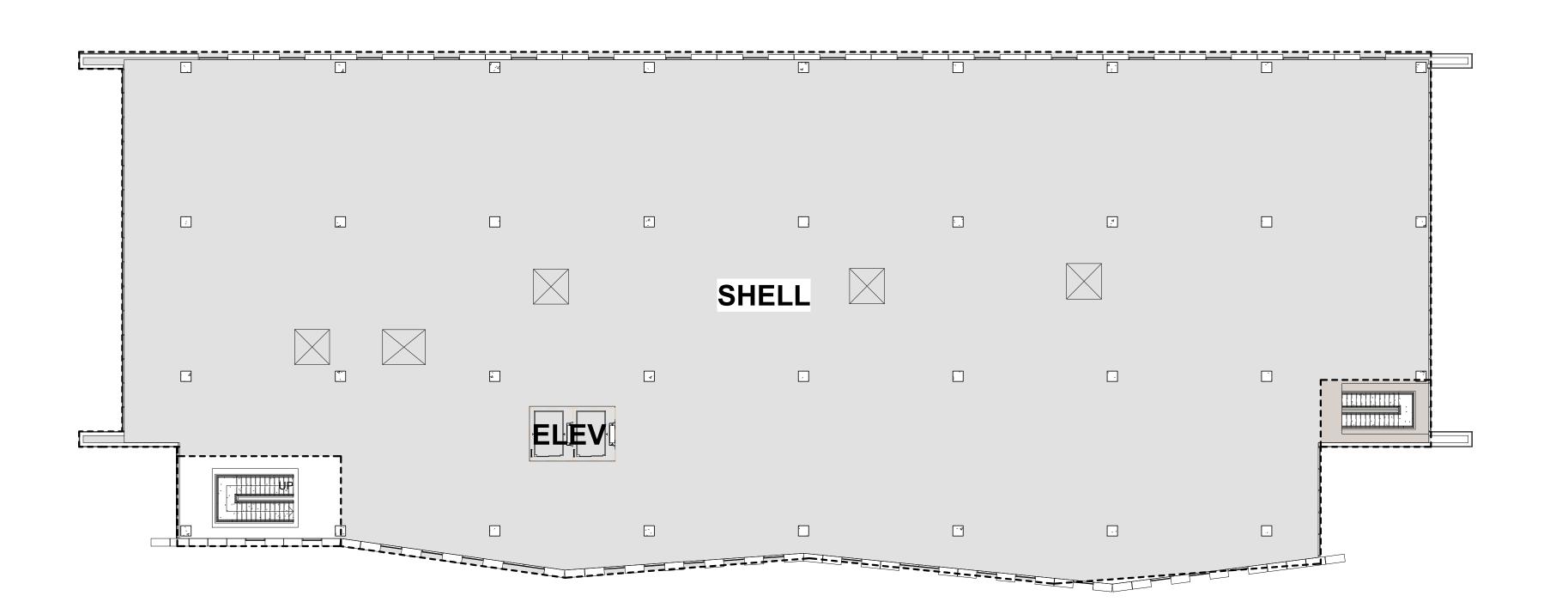
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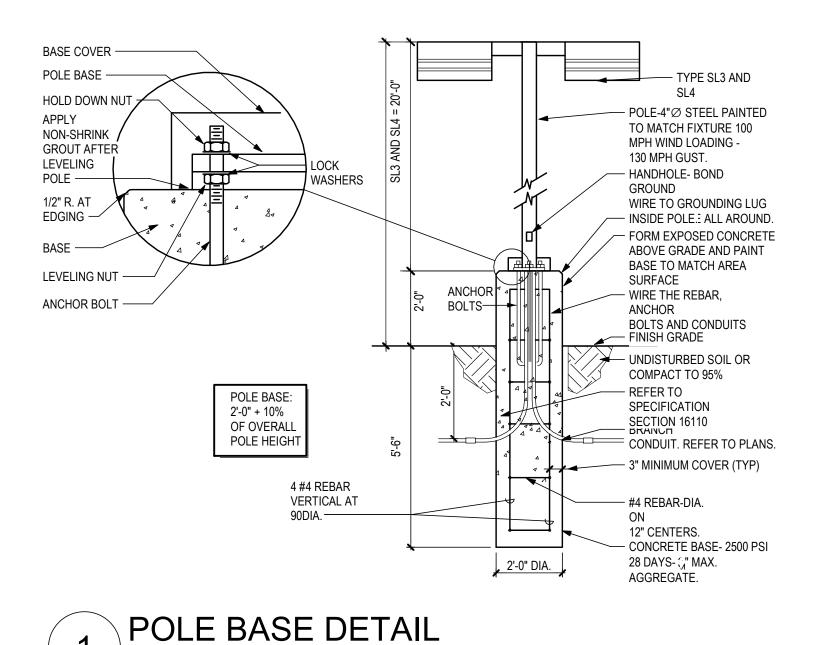
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LEGEND - GENERAL		
SYMBOL	DESCRIPTION	
0	JUNCTION BOX IN AN ACCESSIBLE LOCATION.	
J	FLUSH FLOOR MOUNTED JUNCTION BOX.	
E	CONDUIT EXPANSION JOINT.	
S,X	CONDUIT SEAL-OFF. (X) = EXPLOSION PROOF.	
——• UP ——• DN	CHANGE IN CONDUIT ELEVATION.	
	CAPPED CONDUIT STUB-OUT. PROVIDE BRASS CAP AND PERMANENTLY MARK LOCATION WHERE INSTALLED BELOW GRADE.	
EF 1-2	MECHANICAL EQUIPMENT DESIGNATION.	
## (##)	OWNER FURNISHED EQUIPMENT DESIGNATIONS, UNLESS NOTED OTHERWISE - REFERENCE SCHEDULE.	
	NEW WORK, EQUIPMENT, DEVICES, WIRING, ETC. IS DEPICTED SOLID IN VARIOUS LINETYPES.	
	EXISTING EQUIPMENT, DEVICES, WIRING, ETC. (AS WELL AS BUILDING ELEMENTS ASSOCIATED WITH OTHER DISCIPLINES) IS DEPICTED SCREENED IN VARIOUS LINETYPES.	
	EQUIPMENT, DEVICES, WIRING, ETC. TO BE REMOVED (DEMOLITION) IS DEPICTED SOLID IN A HIDDEN LINETYPE.	
	FUTURE EQUIPMENT, DEVICES, WIRING, ETC. IS DEPICTED SCREENED IN A HIDDEN LINETYPE.	

	LEGEND - ELECTRICAL				
SYMBOL DESCRIPTION		DESCRIPTION			
	0	\vdash	LIGHTING FIXTURE - SHAPE, SIZE, MOUNTING, ETC. VARY. FIXTURE TYPE INDICATED.		
Ю	0	Θ	DIRECTIONALITY INDICATED (WHERE APPLICABLE). REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.		

	ABBREVIATIONS - GENERAL				
A	AMPHERE	EXRL	EXISTING, RELOCATE, NEW LOCATION		
AFF	ABOVE FINISHED FLOOR (TO CENTER LINE OF ITEM/DEVICE/EQUIPMENT)	EXRP EXRR	EXISTING, REMOVE AND REPLACE EXISTING, REMOVE AND RELOCATE AS		
AFG	ABOVE FINISHED GRADE (TO CENTER LINE OF ITEM/DEVICE/EQUIPMENT)	GND, GRD	INDICATED GROUND		
AHJ	AUTHORITY HAVING JURISDICTION	JB [′]	JUNCTION BOX		
С	CONDUIT	NC	NORMALLY CLOSED		
CKT	CIRCUIT	NO	NORMALLY OPEN		
CO	CONDUIT ONLY	NIC	NOT IN CONTRACT		
CSFD, CFSD	COMBINATION SMOKE FIRE DAMPER	UNO	UNLESS NOTED OTHERWISE		
EC	EMPTY CONDUIT, ELECTRICAL	V	VOLT		
	CONTRACTOR	VA	VOLT-AMPHERES		
EQ	EQUIPMENT	VR	VANDAL RESISTANT		
EP, EXP	EXPLOSION PROOF	WP	WEATHERPROOF		
EX	EXISTING, REMAIN				
EXR	EXISTING, REMOVE				
EXRC	EXISTING, REMOVE AND PROVIDE BLANK COVERPLATE				

GENERAL NOTES

- 1. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE NEC AS AMENDED BY
- 2. PRIOR TO SUBMITTING PROPOSAL, THE CONTRACTOR SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH THE CONTRACTOR WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON THEIR PART. ALL MATERIAL AND EQUIPMENT NOTED OR SPECIFIED TO BE REMOVED WHICH IS NOT SCHEDULED TO BE RE-USED OR RELOCATED SHALL BE CAREFULLY REMOVED AND DELIVERED TO THE OWNER WHERE DIRECTED.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, COORDINATE AND CONFIRM WITH ANY SPECIALTY EQUIPMENT CONTRACTOR(S) ALL THE FOLLOWING:
- A. EXACT LOCATION OF ALL CONTROL PANELS, CONTROL DEVICES, TERMINATION POINTS, ETC.
- . REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES.
- BRANCH CIRCUIT CONDUCTOR COUNT IS NOT SPECIFICALLY SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDE CONDUCTORS AS FOLLOWS AND ADJUST THE CONDUIT SIZE TO CONFORM TO NEC ANNEX C: TABLES BASED ON SPECIFIC FIELD CONDITIONS.
 - . (1) PHASE CONDUCTOR FOR EACH CIRCUIT POLE CONTAINED WITHIN THE CONDUIT.
 - B. (1) NEUTRAL CONDUCTOR FOR EACH INDIVIDUAL CIRCUIT OPERATING AT 120V OR 277V.
 C. (1) EQUIPMENT GROUND CONDUCTOR SIZED BASED ON 250.122.
 - D. (1) ISOLATED GROUND CONDUCTOR MATCHING THE EQUIPMENT GROUND WHERE A CIRCUIT SERVES AN ISOLATED GROUND DEVICE.
- E. (1) SWITCH LEG CONDUCTOR FOR EACH SWITCH LEG REQUIRED.
 F. (2) SWITCH LEG TRAVELERS FOR EACH THREE-WAY SWITCH CONTROL REQUIRED.
- G. (4) SWITCH LEG TRAVELERS FOR EACH FOUR-WAY SWITCH CONTROL REQUIRED.
- (1) HOT CONDUCTOR FOR EACH CONTINUOUS LIGHTING SYSTEM LOAD REQUIREMENT: EMERGENCY BATTERY PACK (BPB), NIGHT LIGHT, ETC.
- CONDUCTOR AMPACITY ADJUSTMENTS SHALL BE APPLIED AS DESCRIBED BY NEC CHAPTER 3 FOR EACH SPECIFIC FIELD CONDITION.
- 6. GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
- ALL WIRING SHALL BE COPPER AND INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED. MINIMUM CONDUCTOR SIZE SHALL BE #12AWG AND CONDUIT 1/2" TRADE SIZE. INSULATION SHALL BE TYPE "THHN/THWN". EXCEPT CONDUCTORS USED FOR AIR CONDITIONING AND CONDUCTORS #2AWG AND LARGER SHALL BE TYPE XHHW-2.
- CONDUITS SHALL BE SUPPORTED BY FRAMING CHANNEL (UNISTRUT, B-LINE, OR AS ACCEPTED). INTERVALS OF SUPPORT SHALL COMPLY WITH NEC SECTION APPROPRIATE FOR CONDUIT MATERIAL USED.
- 9. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL CONDUIT RUNS EXCEPT RGS AND IMC. SIZE PER NEC 250.122.
- 10. PROVIDE RAISED CONCRETE HOUSEKEEPING CONCRETE PAD 4" ABOVE FINISHED FLOOR FOR ALL FREESTANDING ELECTRICAL SWITCHBOARD EQUIPMENT, MOTOR CONTROL CENTERS, DRY TYPE TRANSFORMERS, ETC. CONFIRM PAD SIZE WITH FINAL APPROVED SHOP DRAWINGS OF EQUIPMENT. EXCEPTION: SERVICE ENTRANCE SWITCHBOARDS WITH UTILITY COMPANY METERING, RAISED PAD SHALL CONFORM TO SERVING UTILITY COMPANY REQUIREMENTS AND IN SOME CASES CAN NOT BE RAISED.
- 11. PROVIDE SEPARATION OF LIFE SAFETY SYSTEM FEEDERS AND BRANCH CIRCUITS FROM ALL OTHER WIRING OR EQUIPMENT PER NEC 517 & 700.
- 12. NON-METALIC UNDERGROUND CONDUIT INSTALLED OUTSIDE THE BUILDING FOOTPRINT SHALL HAVE A CONTINUOUS TRACEABLE WIRE, #18AWG MINIMUM, INSTALLED WITHIN 6" DIRECTLY ABOVE IT IN ACCORDANCE WITH ARS #40-360-22M. WIRE SHALL EXTEND 24" ABOVE GRADE AT EACH END AND COILED NEATLY. WHERE OCCURRING WITHIN A SWITCHBOARD, SWITCHGEAR OR SIMILAR, TERMINATE COIL ON THE EQUIPMENT GROUND

ABBREVIATIONS - ELECTRICAL

DP DS DW EJB EDF EF E, EM GD GFI, GFCI	DISTRIBUTION PANELBOARD DISTRIBUTION SECTION DISHWASHER EQUIPMENT BONDING JUMPER ELECTRIC DRINKING FOUNTAIN EXHAUST FAN EMERGENCY GARBAGE DISPOSAL GROUND FAULT CIRCUIT INTERRUPTER DEVICE HORSEPOWER	N NL OHE OHT PC PF PNL PP RH SBJ SPD	NEUTRAL NIGHT LIGHT OVERHEAD ELECTRICAL OVERHEAD TELEPHONE PHOTOCELL POWER FACTOR PANELBOARD POWER POLE RANGE HOOD (POWER CONNECTION) SYSTEM BONDING JUMPER SURGE PROTECTION DEVICE
ISO KVA KW LP MBJ MCB MCC MGAP MLO	ISOLATED KILOVOLT-AMPERES KILOWATTS LIGHTING POLE ASSEMBLY MAIN BONDING JUMPER MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MEDICAL GAS ALARM PANEL MAIN LUGS ONLY	TR TS UGC UGE UGEP UGES UGT VFD	TAMPER RESISTENT TIME SWITCH UNDERGROUND COMMUNICATIONS UNDERGROUND ELECTRICAL UNDERGROUND ELECTRICAL, PRIMARY UNDERGROUND ELECTRICAL, SECONDARY UNDERGROUND TELEPHONE VARIABLE FREQUENCY DRIVE



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 AES

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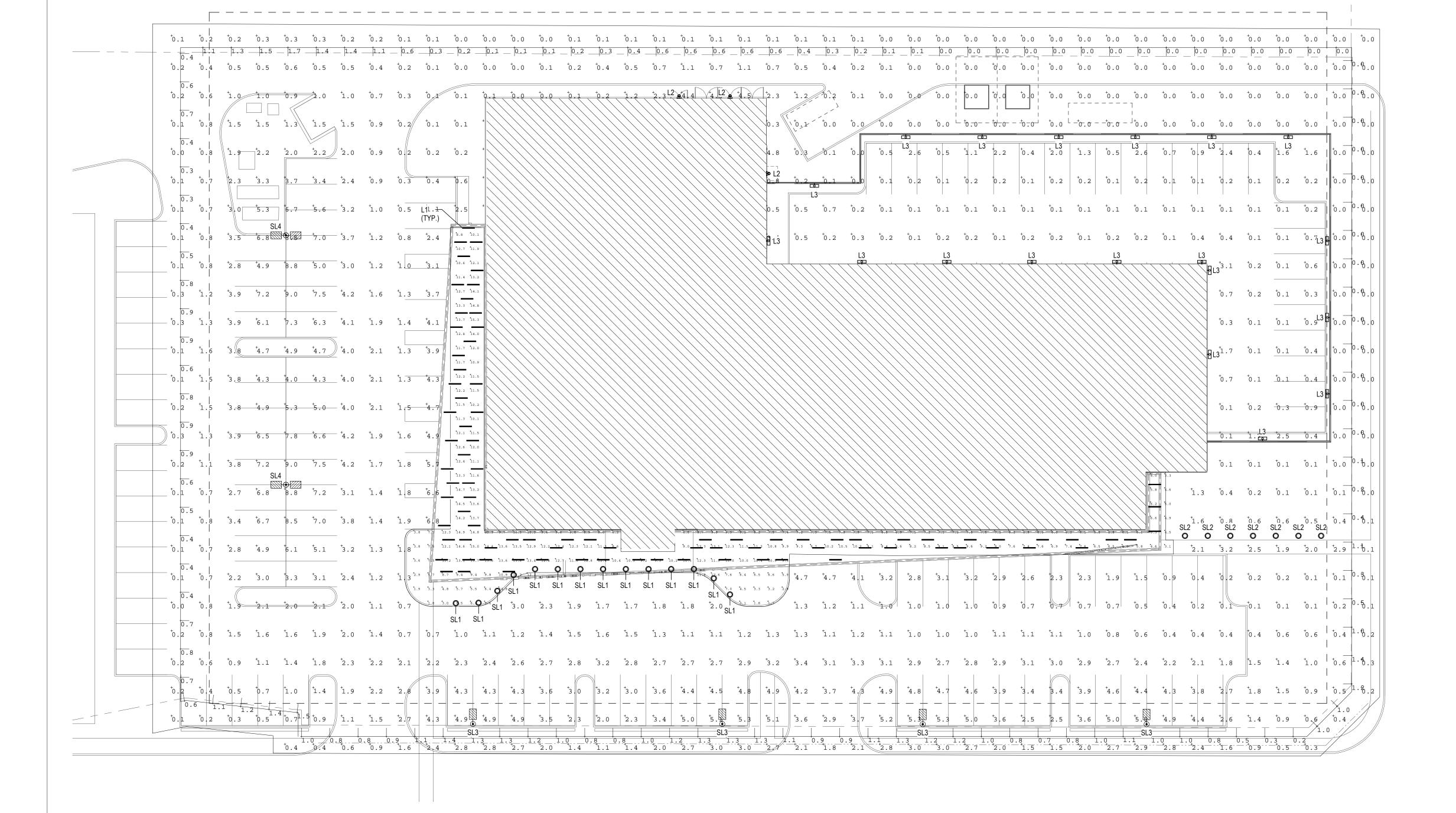
ELECTRICAL GENERAL SHEET

DRB-E001

			DRB LIGHTING FIXTURE SCH	EDIJI F					
MARK	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMPS	LOAD	VOLTAGE	WATTAGE	MOUNTING	Type Comments
L1	PINNACLE ARCHITECTURAL LIGHTING	EX3-WET-N-830-4'-S-U-OL1-1	3"X4' LINEAR LED WITH DIFFUSE LENS, WET LOCATION RATED, WITH 10% 0-10V DIMMING DRIVER	LED, 3000K	18.8	277 V	19 W	SURFACE, CEILING	
L2	HUBBELL	RDI2-24L30W-3K7-1-UNV-BL-8F	WALL MOUNTED AREA LIGHT WITH TYPE 1 DISTRIBUTION	LED, 3000K	30	277 V	30 W	WALL MOUNT	
L3	MULE LIGHTING, INC.	EAE-BB-10W-CC-W-SD277	WALL MOUNT LINEAR SCONCE LED, WET LOCATION WITH DIFFUSE LENS	LED, 3000K	10	277 V	10 W	WALL MOUNT	
SL1	FORMS + SURFACES	LBKNI-LED-30K1-10VDIM-SECURITY CORE	BOLLARD WITH INTEGRAL LIGHTING, 3000K LED LIGHT ENGINE, 0-10V DIMMING DRIVER, WITH SECURITY CORE.	LED, 3000K	16	277 V	16 W	SECURITY BOLLARD	
SL2	FORMS + SURFACES	LBKNI-LED-30K1-10VDIM-SURFACE MOUNT	BOLLARD WITH INTEGRAL LIGHTING, 3000K LED LIGHT ENGINE, 0-10V DIMMING DRIVER, SURFACE MOUNT.	LED, 3000K	16	277 V	16 W	SURFACE BOLLARD	
SL3	LIGMAN	USE-90031-157W-T3-W30-01-120/277V	ROUND, TYPE 3 LED AREA POLE LIGHT, 3000K	LED, 3000K	157	277 V	157 W	POLE, 20'AFG	ORDER WITH SINGLE HEAD ACCESSORY A91060
SL4	LIGMAN	USE-90031-157W-T3-W30-01-120/277V (TWO)	DOUBLE-MOUNT, ROUND, TYPE 3 LED AREA POLE LIGHT, 3000K	LED, 3000K	314	277 V	314 W	POLE, 20'AFG	ORDER WITH DOUBLE HEAD ACCESSORY A91160

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Max/Avg	Meter Type
ENTRY WALKWAY	Illuminance	Fc	9.27	16.2	1.7	5.45	9.53	N.A.	Horizontal
HORIZONTAL ILLUMINANCE ANALYSIS	Illuminance	Fc	1.57	9.0	0.0	N.A.	N.A.	N.A.	Horizontal
VERTICAL LIGHT TRESPASS 1	Illuminance	Fc	0.61	1.7	0.0	N.A.	N.A.	N.A.	Vert-PerpCCW

Luminaire Sc	hedule							
Symbol	Qty	Label	[MANUFAC]	Description	Arrangement	LLF	BUG Rating	Lum. Lumens
+	14	SL1_LBKNI-LED_NS	Forms+Surfaces	SECURITY BOLLARD FIXTURE AT 3.5' AFG	SINGLE	1.000	B0-U2-G0	362
+	8	SL2_LBKNI-LED_NS	Forms+Surfaces	BOLLARD FIXTURE AT 3.5' AFG	SINGLE	1.000	B0-U2-G0	362
	4	SL3_USE-90031-T3-W30	LIGMAN	TYPE 3 POLE FIXTURE MOUNTED 20' AFG	SINGLE	1.000	N.A.	12184
	2	SL4_USE-90031-T3-W30	LIGMAN	BACK-BACK TYPE 3 POLE FIXTURE MOUNTED 20' AFG	BACK-BACK	1.000	N.A.	12184
-	84	L1_EX3-WET-N-27-4-ITL86499	PINNACLE ARCHITECTURAL LIGHTING	EX3-WET-N-27-4	SINGLE	1.000	B1-U2-G1	1008
	2	L2_RDI1-12L15-3K7-2	HUBBELL OUTDOOR LIGHTING	RDI1-12L15-3K7-2	SINGLE	1.000	B1-U1-G1	1497
Į.	20	L3 21329-EAE10X-T-1	MULE LIGHTING. INC	EAE10X-T	SINGLE	1.000	B1-U0-G0	494





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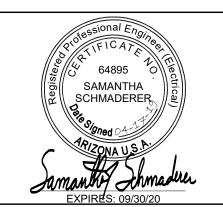
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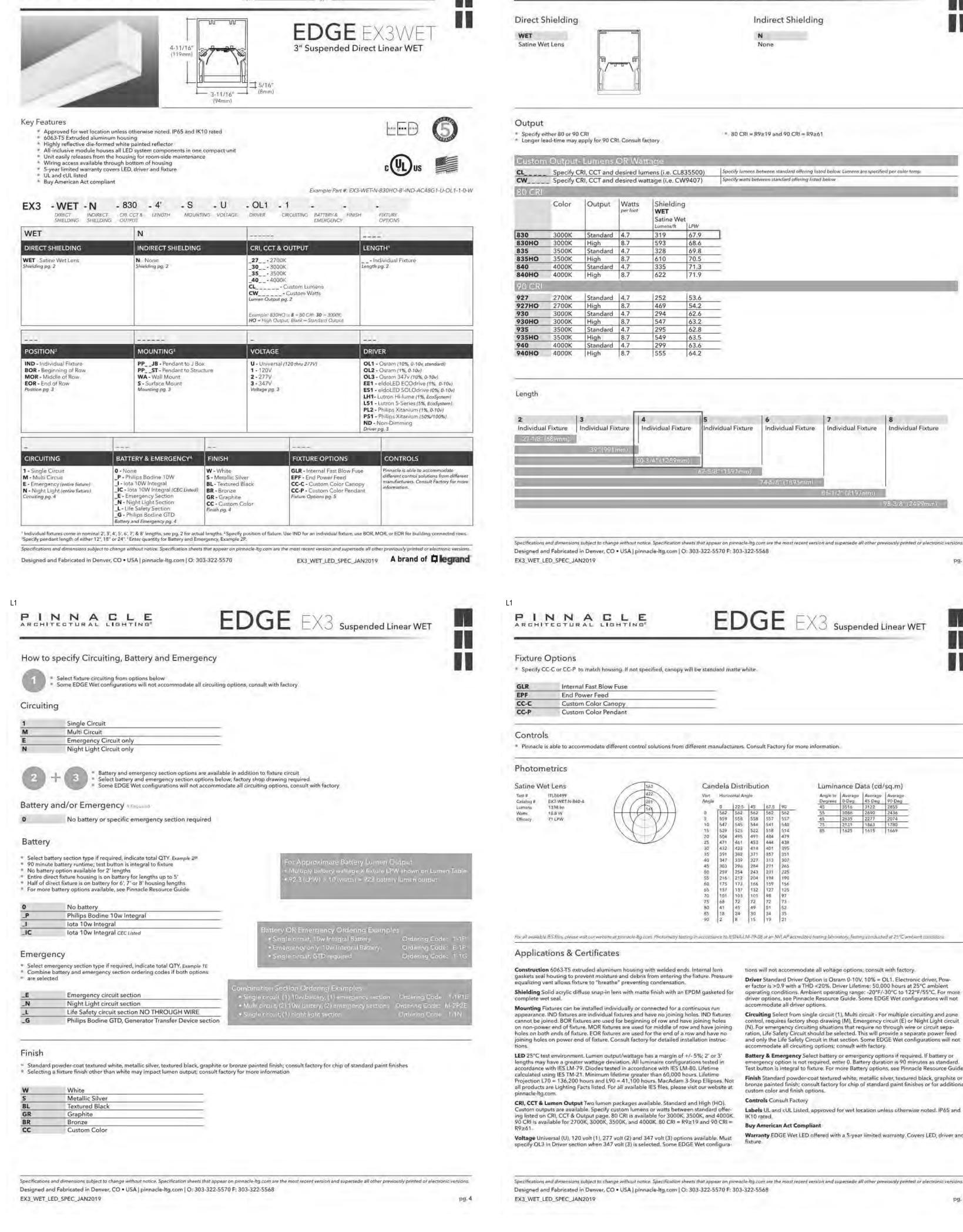
SITE LIGHTING PHOTOMETRICS

DRB-E101

ELECTRICAL SITE PLAN

E 4TH ST E OSBORN RD LE EARLL DR

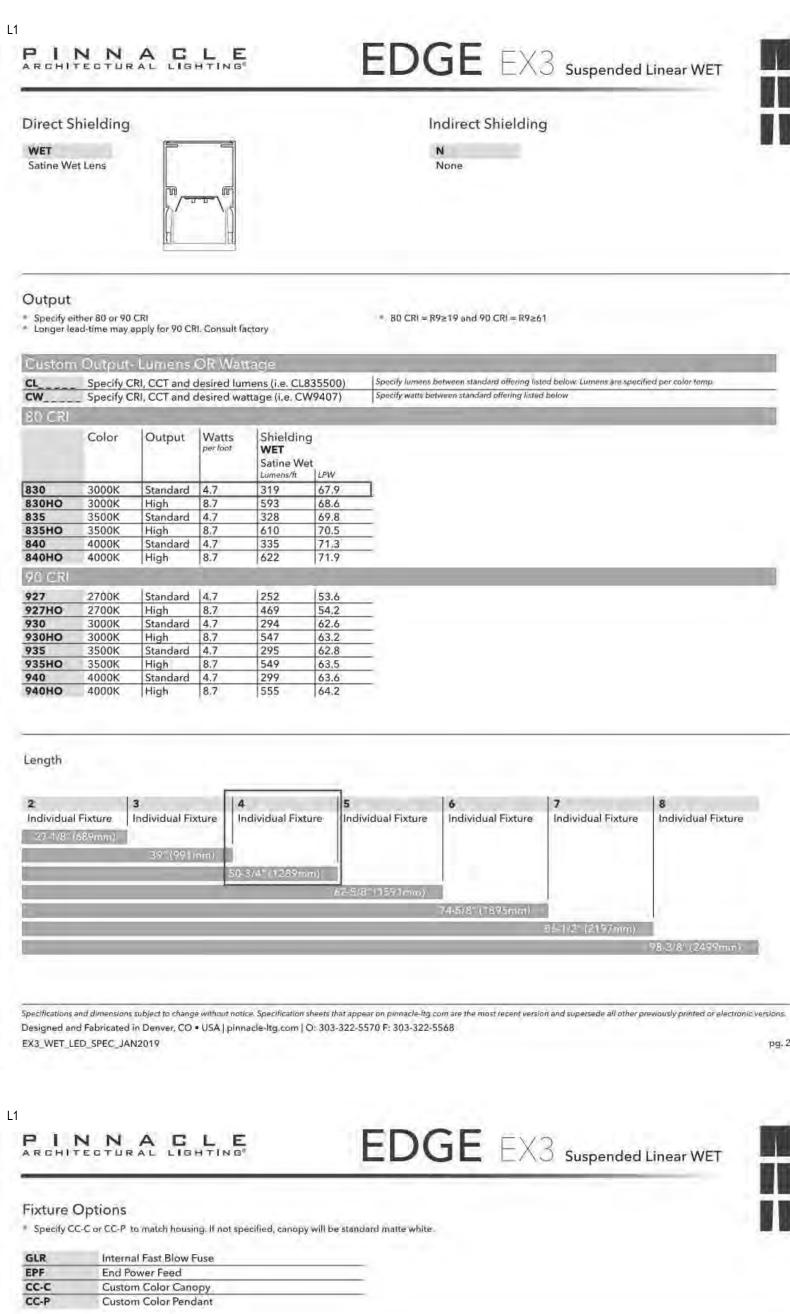
VICINITY MAP:



HH OSBORN NSI MOB

PINNACLE

ARCHITECTURAL LIGHTING



Candela Distribution

0 22.5 45 67.5 562 562 562 562

Vert Horizontal Angle

ITL86499

1338 lm 18.8 W 71 LPW

Luminance Data (cd/sq.m)

Degrees 0-Deg 45-Deg 90-Deg

tions will not accommodate all voltage options; consult with factory.

accommodate all circuiting options; consult with factory.

accommodate all driver options.

custom color and finish options.

Buy American Act Compliant

Controls Consult Factory

Driver Standard Driver Option is Osram 0-10V, 10% = OL1. Electronic driver, Pow-

er factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 122°F/55°C. For more driver options, see Pinnacle Resource Guide. Some EDGE Wet configurations will not

Circuiting Select from single circuit (1), Multi circuit - For multiple circuiting and zone

(N). For emergency circuiting situations that require no through wire or circuit sepa-

ration, Life Safety Circuit should be selected. This will provide a separate power feed

Battery & Emergency Select battery or emergency options if required. If battery or

emergency option is not required, enter 0. Battery duration is 90 minutes as standard.

Test button is integral to fixture. For more Battery options, see Pinnacle Resource Guide.

Finish Standard powder-coat textured white, metallic silver, textured black, graphite or

Labels UL and cUL Listed, approved for wet location unless otherwise noted. IP65 and

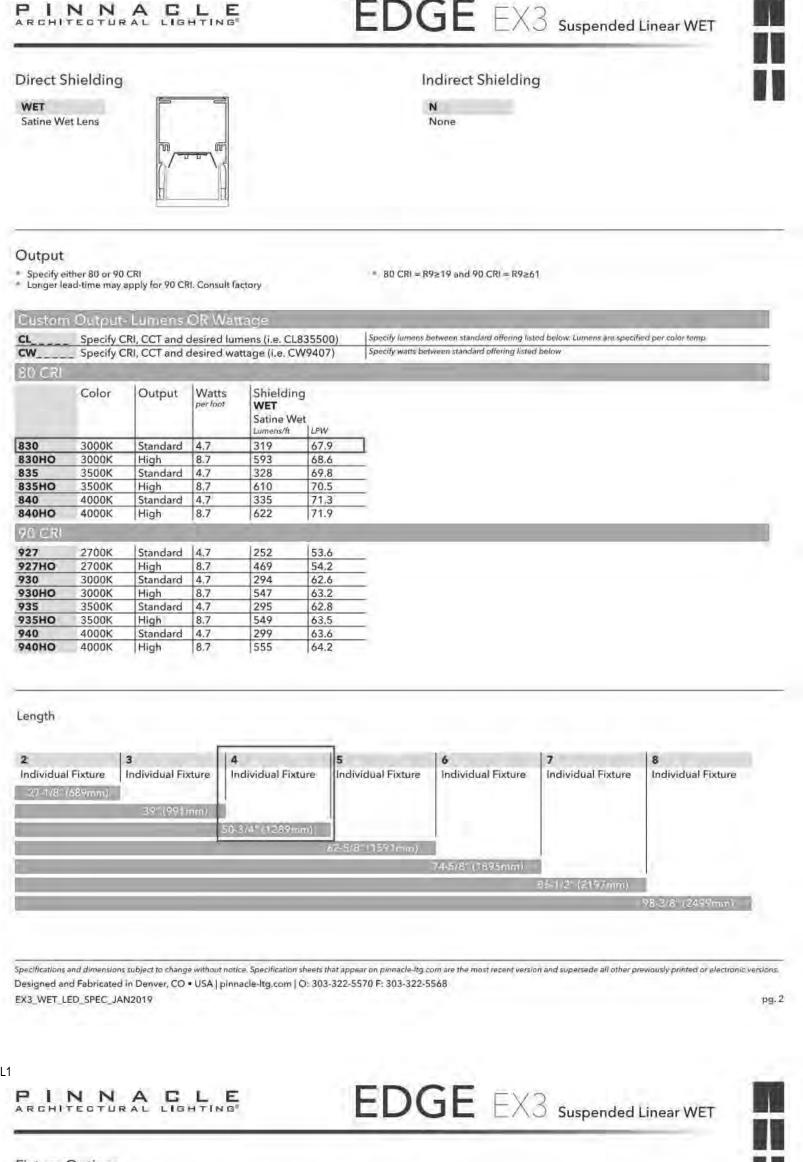
Warranty EDGE Wet LED offered with a 5-year limited warranty. Covers LED, driver and

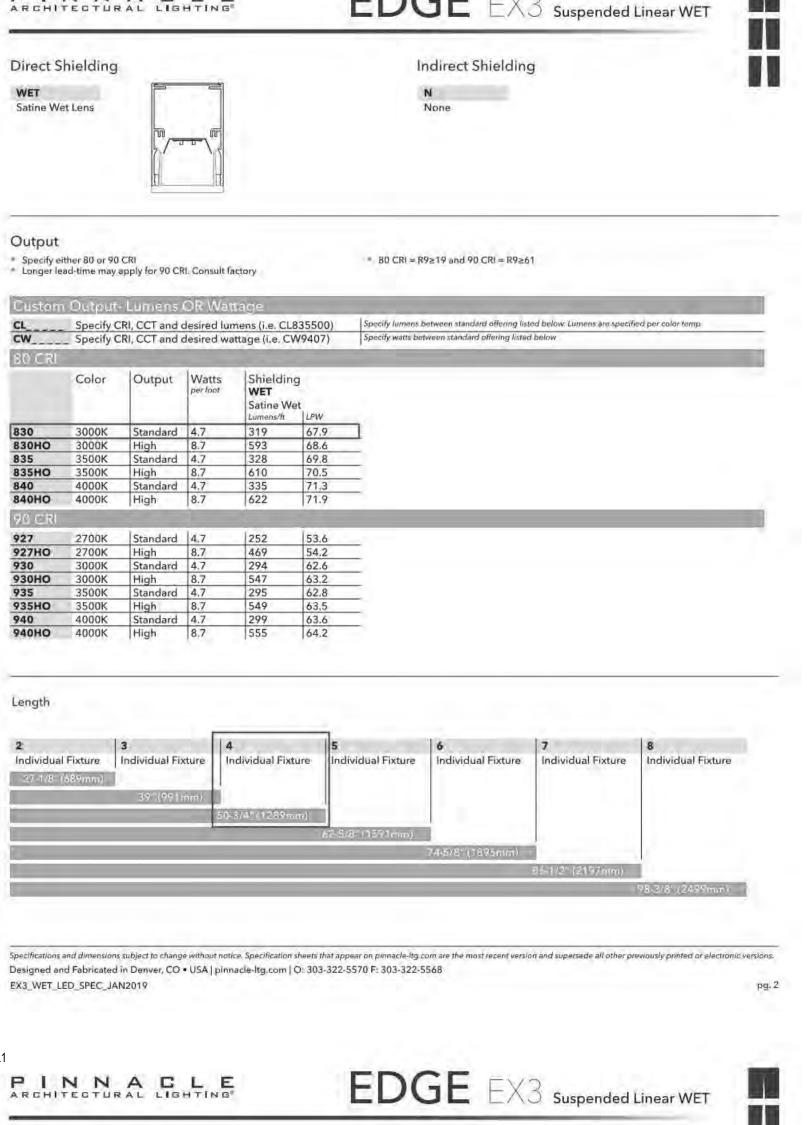
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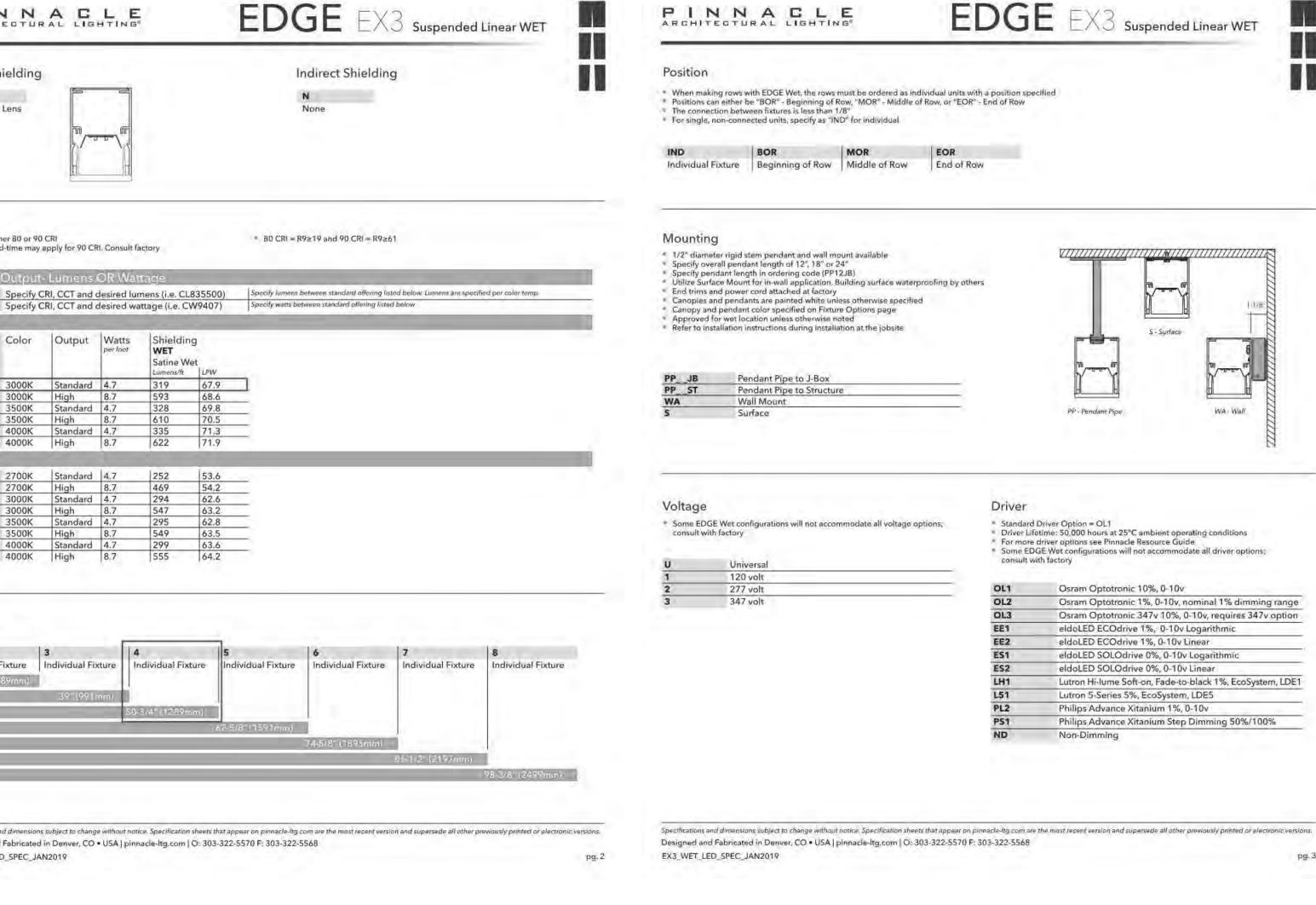
bronze painted finish; consult factory for chip of standard paint finishes or for additional

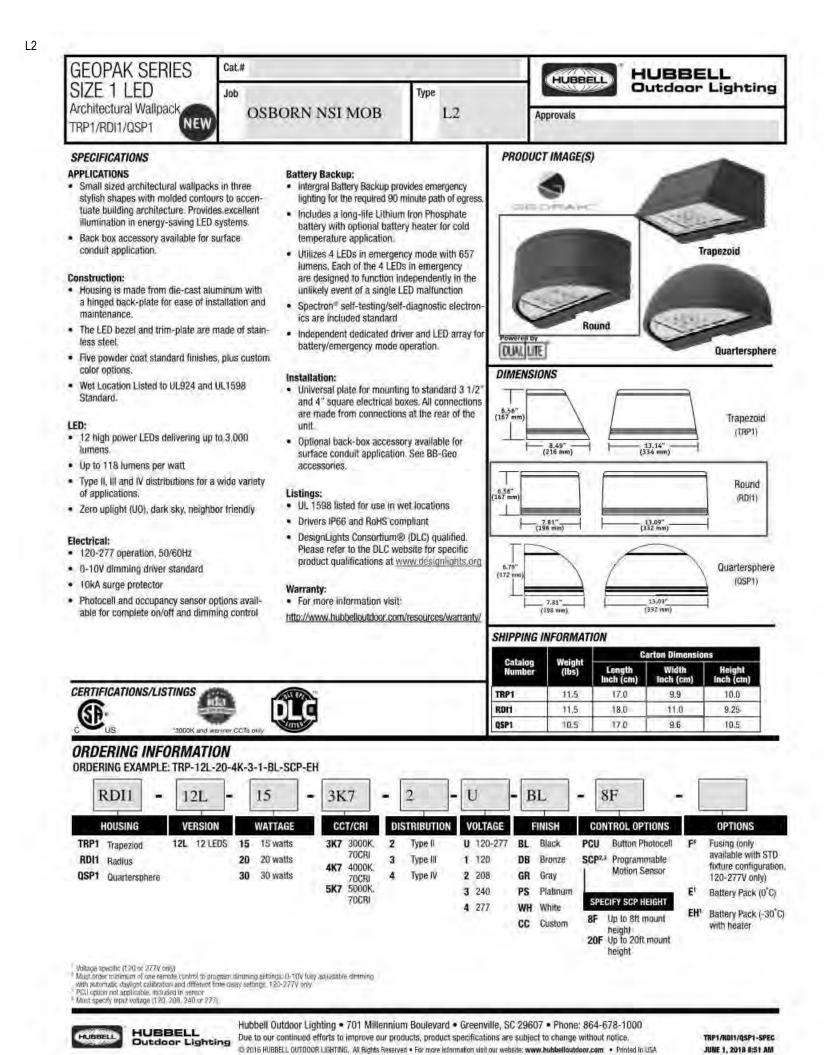
control, requires factory shop drawing (M), Emergency circuit (E) or Night Light circuit

and only the Life Safety Circuit in that section. Some EDGE Wet configurations will not









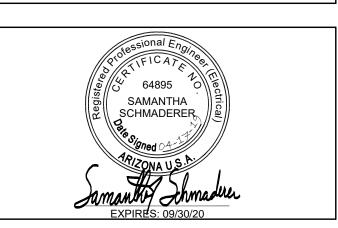


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SITE LIGHTING CUT SHEETS





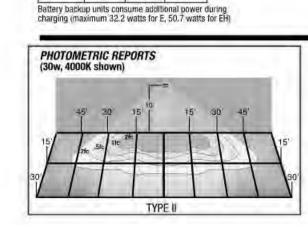


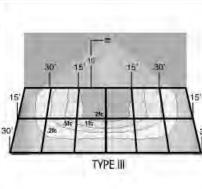
Fixture gasket 4-1/2" conduit entries Wall gasket

PERFORMANCE DATA (AC/Standard Configurations)

				(5)	900K non	5K ninal, 7	CRI)		(4	000K nor	4K ninal, 7	O CRI)		(3	000K non	3K ninal, 70	CRI)	
# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	LUMENS	LPW1	В	U	G	LUMENS	LPW'	В	U	G	LUMENS	LPW	В	u	G
134	1	1.1.5	2	1635	118	1	1	1	1577	113	1	1	1	1497	108	-1	1	1
	350mA	13.9	3	1613	116	1	0	11	1556	112	-1-	0	1	1477	106	-1	0	1
	1000	4000	4	1607	116	0	0	1	1550	111	0	0	1-1-	1471	106	0	0	1
	-		2	2268	114	31 S	1	1	2176	109	-13	1	1	2077	104	1	310	- T.
12	500mA	19.9	3	2245	113	1	0	. 1	2140	108	1	0	1	2049	103	1	0	1
		2000	4	2229	112	-0	0	- 1	2150	108	0	0	1	2041	103	0	0	1
- 1			2	2942	104	4	1	1	2885	102	1	1	2	2721	96	1	1	1
	700mA	28.2	3	2912	103	1	0	7	2836	101	1	0	1	2685	95	1	0	1
	22000	1	4	2892	103	1	0	1	2789	99	4	0	1	2674	95	4	0	1

<i>lectrical</i> nput Pov	ver Consi	ımption		Projected Lu	ımen f	Mainten	ance				AMBIENT TEN		MPERATURE FACTOI
Drive	Input	System	Sala	100,000,000			Op	erating Hours			0°C	32°F	1.02
Current (mA)	Voltage (V)	Power (w)	Current (Amps)	Ambient				TM-21-111		L70	10°C	50° F	1.01
(1111-4)		100		Temp.	0	25,000	50,000	60,000	100,000	(hours)	20° C	68' F	1.00
350mA	120	13.9	0.12	25°C/77°F	1.00	0.98	0.97	0.95	0.91	>345,000	25° C	77° F	1.00
COUNTY	277	10,0	0.05		11.7.353		177		-		30°C	86' F	1.00
	120		0.17	40°C/104°F	1.00	0.96	0.95	0.92	0.87	>268,000	40° C	104°F	0.99
500mA	120	19.9	0.17								50° C	122 F	0.98
Bootily	277	10.0	0.07								Use these factors to a	determine relative	lumen output for average
700mA	120	240	0.24	h 7							ambient temperature	s from D-40°C (3	2-104°F).
	277	28.2	0.10										





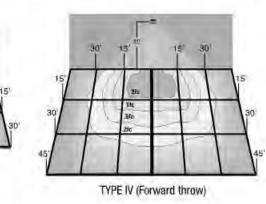
Architectural Emergency Light

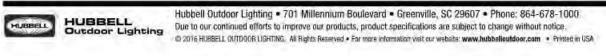
A dramatic new and compact architectural design, providing

powerful emergency lighting for over-door and other exterior

locations with a 90° full cut-off light distribution. The lamp

housing and canopy are fabricated from extruded aluminum.





EMLED Series - EAE

· Extremely low profile, formed aluminum housing

effective outdoor emergency egress lighting

Wet location listed to UL924 and IP66 standards

· Maintenance-free NiMH battery, standard

for optimal light output and protection

Illuminates a uniform 12' x 25' area providing safe and

Optical LED lens coupled with prismatic polycarbonate lens

Power supply delivers regulated current and voltage to LED

· Optional security/night lighting allows the fixture to be used as an emergency lighting and as security/night lighting

lamps at optimum levels to maximize lamp life · Standard finish: White, Brushed Aluminum, Dark Bronze

· External LED status indicator and test button

Ambient Temperature Limits: -20° C to +40° C

MOUNTING DATA & DIMENSIONS:

BENEFITS & FEATURES

· Pure white light output of 5600K

· Over 50,000 hour lamp life

120-277 volt, 50/60Hz input

· IES photometric data available

Ordering Example: EAE-BB-10-W-T-DG

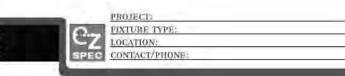
5 year warranty

• 10 watt Cree LEDs

LED Outdoor Egress Emergency Light

TRP1/RDI1/OSP1-SPEC JUNE 1, 2018 8:51 AM

Diagrams for illustration purposes only, please consult factory for application layout.



TRP1/RDI1/QSP1-SPEC

JUNE 1, 2018 8:51 AM

SPACING GUIDE

NATE: FOR REFERENCE ONLY: STANDARD REFLECTANCES 80/50/20 MULE IS NOT RESPONSIBLE FOR SPECIFIC CONDITIONS THAT MAY ALTER THE RESULTS.

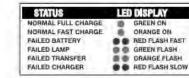
SUGGESTED SPECIFICATIONS

Install EMLED Series EAE architectural emergency lighting fixture manufactured by Mule Lighting, Inc. The EAE assembly shall be listed for installation in wet locations in compliance with UL 924 and IP66 standards, available as unit equipment. Upon loss of AC building power. lighting will be activated for a minimum of 90 minutes under battery power, in compliance with UL 924 and NFPA LSC Code 101. The battery charger and power supply shall have universal input of 120/277 VAC, with brownout and LVD circuit protection. Auto battery diagnostics shall be available for all models and shall perform all test functions specified by UL 924 and NFPA

SELF-DIAGNOSTICS

The optional battery diagnostics continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit. The purpose of this option is to provide visual indication in response to a fault that may be occuring in the fixture. The circuit will perform a 30 second discharge and self-test every

28-30 days. A 90 minute discharge and self-test is performed every



CONSTRUCTION

Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

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door Lighting

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

Functional Circuitry: Transient surge protection device on AC input. Upon failure of the
• Self-Test feature runs a 1 minute test once a month and an alternating 30 or 60

Manual testing is available at any time using the push-to-test button. The optional heater

• Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage).

features a heating wrap and thermostat to maintain optimal battery temperature during

Battery backup units consume 6 watts when charging a dead battery and 2 watts

Specialized Egress Optics

detection and charging status.

15 minute re-transfer delay

. User initiated 1, or 90-minute system test feature

watts when charging if the battery temp is lower than 10°C

minute test once every 6 months. Multi-color LED indicator provides visible fault

during maintenance charging. EH (units with a heater) consume up to an additional 8

Push-To-Test and Status Indicator

Emergency Mode

normal utility power, an LED driver is automatically activated to power the emergency

battery is recharged through a micro-controller based 3-stage charger. The battery is a

maintenance-free Lithium Iron Phosphate (LiFePo) type. A low voltage battery disconnect

(LVD) feature protects the battery from severe damage during prolonged power failures.

· Self-diagnostics monitors LED status, LED driver circuit, battery capacity and charger

Normal Mode

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions.

LEDs. Upon resumption of normal utility power, the LED driver is turned off, and the

charge or discharge. The GeoPak includes the following features:

26' x 10' single unit coverage at 10' MH with 0/30/10 reflectances 6' x 19' forward throw coverage at 10' MH with 0/30/10 reflectances

function and displays any fault detection by means of a flashing code.

Emergency Photometric Performance (1 fc average .1 fc minimum) 28' multi-unit spacing at 10' MH with 0/30/10 reflectances on a 6' path

Battery re-charge within 24 hours

· AC Lock-out circuit

The EAE Linear has a rugged, precision, low-profile design with die-cast aluminum housing including one-piece, molded, weatherproof gasket. Corrosion resistant, stainless steel hardware is standard. Heat and impact resistant prismatic polycarbonate lens resists discoloration.

ILLUMINATION

Units are supplied with LED's offering 10 watts of light output. The high performance LED's have an expected life of up to 50,000 hours with normal use.

ELECTRICAL

Dual-voltage input 120 or 277VAC @ 60 Hz

Units are supplied with a Sealed Nickel Metal Hydride battery (NiMH) that are maintenance-free and have a 15 year life expectancy. NiMH batteries perform optimally in temperatures ranging from 0-40 degrees C. NiMH batteries are more environmentally friendly than NiCad or lead acid alternatives as they contain no cadmium or lead.

The EAE will operate for a minimum of 90 minutes during a loss of power and features a maximum recharge time of 24 hours for the battery.

The LED lamps are connected in parallel so if one lamp fails, the balance of the LED's will continue to operate. The power supply delivers a regulated current and voltage to the LED lamps to optimize the lamp life. A momentary test switch and indicator light are included.

INSTALLATION

For wall or ceiling mount applications, the standard emergency unit requires the rough in of a standard deep J-box with a 1 1/2" extension ring, supplied by others. For mullion top or wall mount installations of the unit, a remote power supply is included to house the electronic components and power the remotely installed fixture. The mullion-mounted linear unit should be installed within 100 ft of remote power supply for typical applications.

OPTIONS

SECURITY/NIGHT LIGHTING

The optional Security/Night Lighting Control allows the fixture to be used as both an emergency lighting fixture and a security/night lighting fixture. Units with this option will operate each LED at 2 Watts offering 50% output when in security mode and connected to an active building AC supply and wired according to installation instructions. The security lighting circuit is independent of the emergency lighting and may be switched manually by exterior photocell or other automatic means.

Mule Lighting , Inc. 46 Baker Street Providence, RI 02905 800 556-7690 P 401 941-2929 F www.mulelighting.com



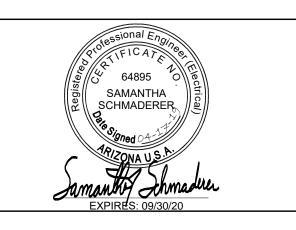
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LSW Engineers A R I Z O N A, I N C Ō R P O R A T E D 2333 West Northern Avenue Telephone 602.249.1320

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HONORHEALTH

7242 E Osborn Rd, Scottsdale, AZ 85251

AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE

AUTHORITY HAVING JURISDICTION'S PROJECT

FACILITY NUMBER:

AGENCY APPROVALS:

	REVISIONS	
REV#	DESCRIPTION	DATE

04/19/19 SCALE: DRAWN: AES SRS REVIEWED: JOB NUMBER:

SITE LIGHTING CUT SHEETS

ORDERING INFORMATION HOUSING COLOR MOUNT OPTIONS MODEL OPERATION W = Satin White T = Top DG= Battery Diagnostics EAE BB = Battery Backup 10 = 10 Watts A = AluminumW = Wall SB120= Security Lighting with Control Switch for Standard BB Operation (120V) SD277= Security Lighting with Control Switch for Standard BB Operation (277V) SD= Security Lighting with Control Switch for BB Operation with DG or LT Option (120/277V) LT= Low Temp Operation to -40C+*

CEILING MOUNT

STANDARD DEEP J- BOX 4" x 4" x 2 1/8" BY OTHERS

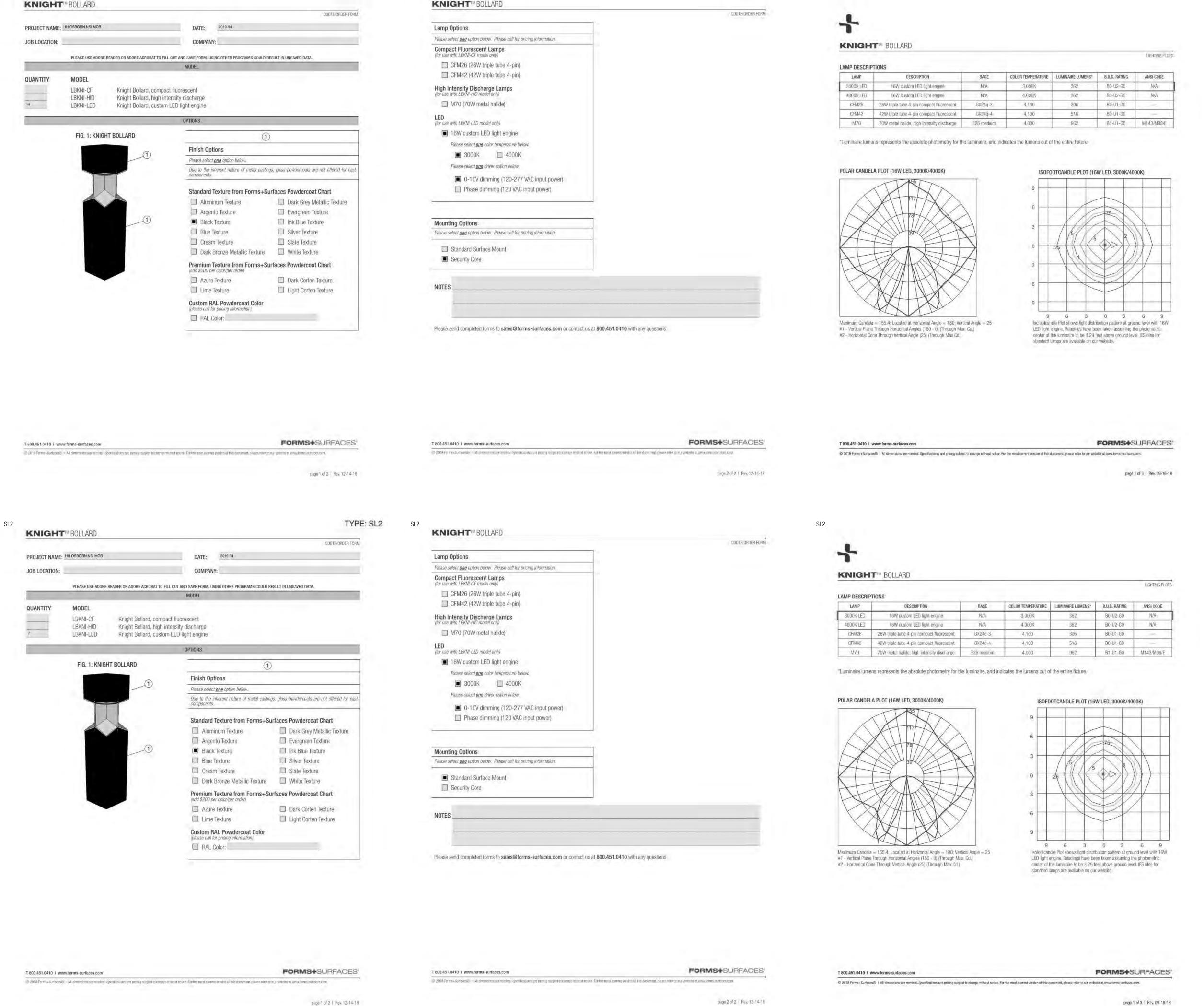
**Requires RPS. See RPS spec sheet Mule Lighting, Inc. 46 Baker Street Providence, RI 02905 800 556-7690 P 401 941-2929 F www.mulelighting.com

STANDARD RECESSED J-BOX

TWO-GANG FIXTURE BOX: DIE CAST ALUMINUM 2" DEEP 28 CUBIC IN.

(Supplied by others)

EXAMPLE: BELL #5346-0 OR EQUAL



TYPE: SL1

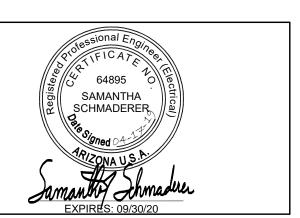
SL1

Devenney GROU

Devenney Group Ltd., Architects 201 W. Indian School Road Phoenix, Arizona 85013 T: 602.943.8950 F: 602.943.7645 www.devenneygroup.com

Consultant:

LSW Engineers A R I Z O N A, I N C Ō R P O R A T E D 2333 West Northern Avenue Telephone 602.249.1320 Phoenix, Arizona 85021 Facsimile 602.336.3276 www.lswphx.com Project No. 2019-062.000



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SITE LIGHTING CUT SHEETS

SL1

SL3

7144 NE Progress Ct T:503.645.0500
Hillsboro.Oregon 97124 F:503.645.8100 Hillsboro.Oregon 97124 F:503.645.8100 www.ligmanlightingusa.com LIGHTING USA

Grade 6060 extruded & LM6 Aluminum High A slim wedge shaped, high pressure die-cast pole

8 step degrease and phosphate process that light distribution patterns using highly efficient LED

includes deoxidizing and etching as well as a packages and optics. The result is excellent spacing to

Column-mounted contemporary area lighting family.

Modern and powerful high-end column range using optimum-quality area lighting projectors.

distributions to suit all lighting designer's requirements.

This luminaire has been designed to provide excellent

mounting height ratios, with a uniform lighting layout

The Steamer can be utilized to suit specific light patterns

requirements. An example of this is using a combination

Type V distributions in medium, wide, very wide & extra

This luminaire complies to dark sky requirements when

exhibition areas, service stations and truck stops. Internal

Designed for lighting private roadways, car parks,

Available with a selection of integral electronic and

be achieved. These settings are done at the factory

dimmable electronic drivers as well as a provision to

install occcupancy sensors, as well as wireless lighting

controls to integrate with building management systems. (WATT-ADJUST) This luminaire is provided with a programmable driver so that specific wattage requirements can

house side shields are available as an option.

wide are also available, please contact factory.

mounted in the horizontal position.

using the asymmetrical type II, III, IV and ME optics, as

well as variations of these for precise light distribution

of Type II & Type IV distribution optics inside the same

that meets code requirements using less energy.

mounted area light with a variety of different light

USE-90031 Steamer Large Round Streetlight

ACCESSORIES - SINGLE HEAD

CCESSORIES - DOUBLE HEAD

A91260

A91060

7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100 www.ligmanlightingusa.com LIGHTING USA

SL3 USE-90031 Steamer Large Round Streetlight

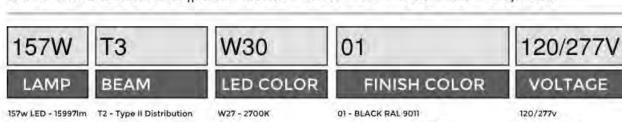
7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503,645.8100

Other - Specify



HH OSBORN NSI MOB PROJECT SINGLE FIXTURE POLE QUANTITY

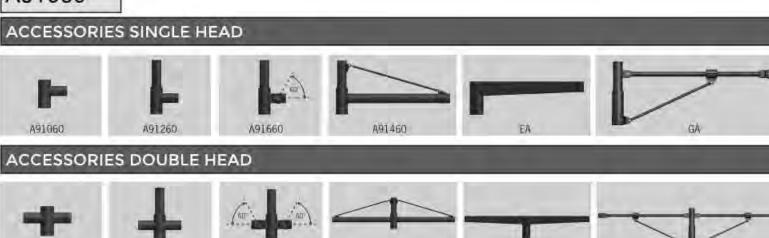
ORDERING EXAMPLE | USE-90031 - 157w - T2 - W30 - 02 - 120/277v



02 - DARK GREY RAL 7043 120w LED T3 - Type III Distribution W30 - 3000K 80w LED T4 - Type IV Distribution W35 - 3500K 29W LED ME - Type ME Distribution W40 - 4000K WATT-ADJUST

03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE

A91060



10 - TRAFFIC GREY RAL 7043

ACCESSORY WALL



ADDITIONAL OPTIONS - CONSULT FACTORY FOR PRICING

DIM - 0-10v Dimming OS - Occupancy Sensor HSS - Internal House Side Shield

F - Frosted Lens AMB - Turtle Friendly Amber LED

USE-90031

Steamer Large Round Streetlight

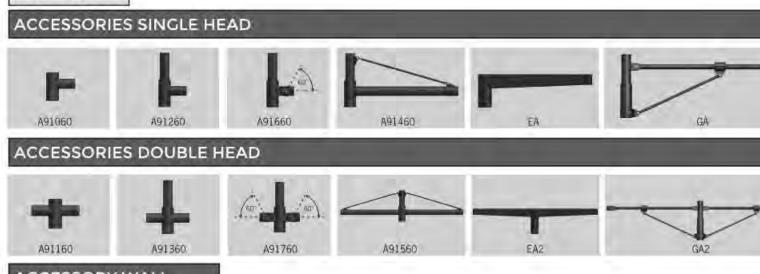
7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100 www.ligmanlightingusa.com LIGHTING USA

DATE 2019-04 HH OSBORN NSI MOB PROJECT TYPE SL2 NOTE DOUBLE FIXTURE POLE QUANTITY

ORDERING EXAMPLE | USE-90031 - 157w - T2 - W30 - 02 - 120/277v

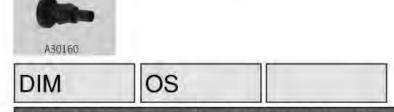


A91160



10 - TRAFFIC GREY RAL 7043

ACCESSORY WALL



ADDITIONAL OPTIONS - CONSULT FACTORY FOR PRICING

OS - Occupancy Sensor HSS - Internal House Side Shield F - Frosted Lens AMB - Turtle Friendly Amber LED

25,5"

Steamer Product Family

USE-90031

25,5"

Steamer Product Family

MIR MANUFACTURE OF THE PARTY OF

Steamer Large Round Streetlight

25.5"

properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring Jess than 10% lumen depreciation at 50,000 **BUG Rating**

Aluminum Casting

use and compression.

ess than 0.1% copper content - Marine

ressure die casting provides excellent.

lines and excellent heat dissipation.

Memory Retentive -Silicon Gasket

mechanical strength, clean detailed product

zinc and nickel phosphate process before

Provided with special injection molded "fit for

purpose" long life high temperature memory

retentive silicon gaskets. Maintains the

Thermal management
LM6 Aluminum is used for its excellent

gaskets exact profile and seal over years of

mechanical strength and thermal dissipation

Surge Suppression

Standard 10kv surge suppressor provided with all fixtures. All Ligman products go through an extensive

finishing process that includes fettling to improve paint adherence. Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C.

can withstand harsh environments. Rated for use in natatoriums. Provided Hardware is Marine grade 316

Stainless steel.

Anti Seize Screw Holes Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis rom heat, corrosive atmospheres and

Crystal Clear Low Iron Glass Lens ovided with tempered, impact resistant rystal clear low iron glass ensuring no green glass tinge.

Precise optic design provides exceptional ight control and precise distribution of light LED CRI > 80

Lumen - Maintenance Life L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their

Aluminum Casting

ess than 0.1% copper content - Marine

Pressure die casting provides excellent

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mechanical strength, clean detailed product

zinc and nickel phosphate process before

Provided with special injection molded "fit for

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BUG Rating

Surge Suppression

improve paint adherence.

and baked at 200 Deg C.

Anti Seize Screw Holes

Rated for use in natatoriums.

with all fixtures.

Stainless steel.

during assembly. (See options below) This process ensures that Ligman products

www.ligmanlightingusa.com LIGHTING USA

Grade 6060 extruded & LM6 Aluminum High A slim wedge shaped, high pressure die-cast pole

Pre paint

8 step degrease and phosphate process that

This luminaire has been designed to provide excellen light distribution patterns using highly efficient LED

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Column-mounted contemporary area lighting family. Modern and powerful high-end column range using

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Type V distributions in medium, wide, very wide & extra

This luminaire complies to dark sky requirements when

wide are also available, please contact factory.

house side shields are available as an option.

mounted in the horizontal position.

using the asymmetrical type II, III, IV and ME optics, as

well as variations of these for precise light distribution

that meets code requirements using less energy.

optimum-quality area lighting projectors.

mounted area light with a variety of different light

Light Symbol

TYPE: SL4 7144 NE Progress Ct F:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100

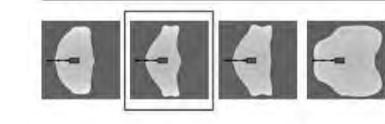
USE-90031 Steamer Large Round Streetlight 7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100 www.ligmanlightingusa.com LIGHTING USA

ACCESSORIES - SINGLE HEAD A91060 ACCESSORIES - DOUBLE HEAD

A91160 A91360

Paint
UV Stabilized 4.9Mil thick powder coat paint This process ensures that Ligman products

can withstand harsh environments. Provided Hardware is Marine grade 316 Tapped holes are infused with a special antiseize compound designed to prevent seizure of threaded connections, due to electrolysis



Light Symbol

from heat, corrosive atmospheres and rystal Clear Low Iron Glass Lens rovided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge. Optics & LED Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their

Designed for lighting private roadways, car parks, exhibition areas, service stations and truck stops. Internal

Available with a selection of integral electronic and dimmable electronic drivers as well as a provision to install occcupancy sensors, as well as wireless lighting controls to integrate with building management systems (WATT-ADJUST) This luminaire is provided with a programmable driver so that specific wattage requirements can be achieved. These settings are done at the factory during assembly. (See options below)

DIM - 0-10v Dimming

DRB-E204

SITE LIGHTING CUT

Devenney

GROU

LSW Engineers

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Project No. 2019-062.000

A R I Z O N A, I N C Ō R P O R A T E D

2333 West Northern Avenue Telephone 602.249.1320

Phoenix, Arizona 85021 Facsimile 602.336.3276

64895

SAMANTHA

SCHMADERER.

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990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION

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INSTITUTE

HONORHEALTH

7242 E Osborn Rd, Scottsdale,

AZ 85251

AUTHORITY HAVING JURISDICTION'S PROJECT

REVISIONS

DESCRIPTION

DATE

04/19/19

AES

SRS

AUTHORITY HAVING JURISDICTION:

CITY OF SCOTTSDALE

FACILITY NUMBER:

AGENCY APPROVALS:

SCALE:

DRAWN:

REVIEWED:

SHEETS

JOB NUMBER:

ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE

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201 W. Indian School Road

Phoenix, Arizona 85013

www.devenneygroup.com

T: 602.943.8950

F: 602.943.7645

Consultant:

www.lswphx.com



NORTHWEST VIEW - FROM EXISTING PARKING GARAGE ACROSS N. BROWN AVE.



SOUTHWEST VIEW - FROM E. OSBORN ROAD



SOUTHEAST VIEW - FROM E. OSBORN ROAD



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AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE

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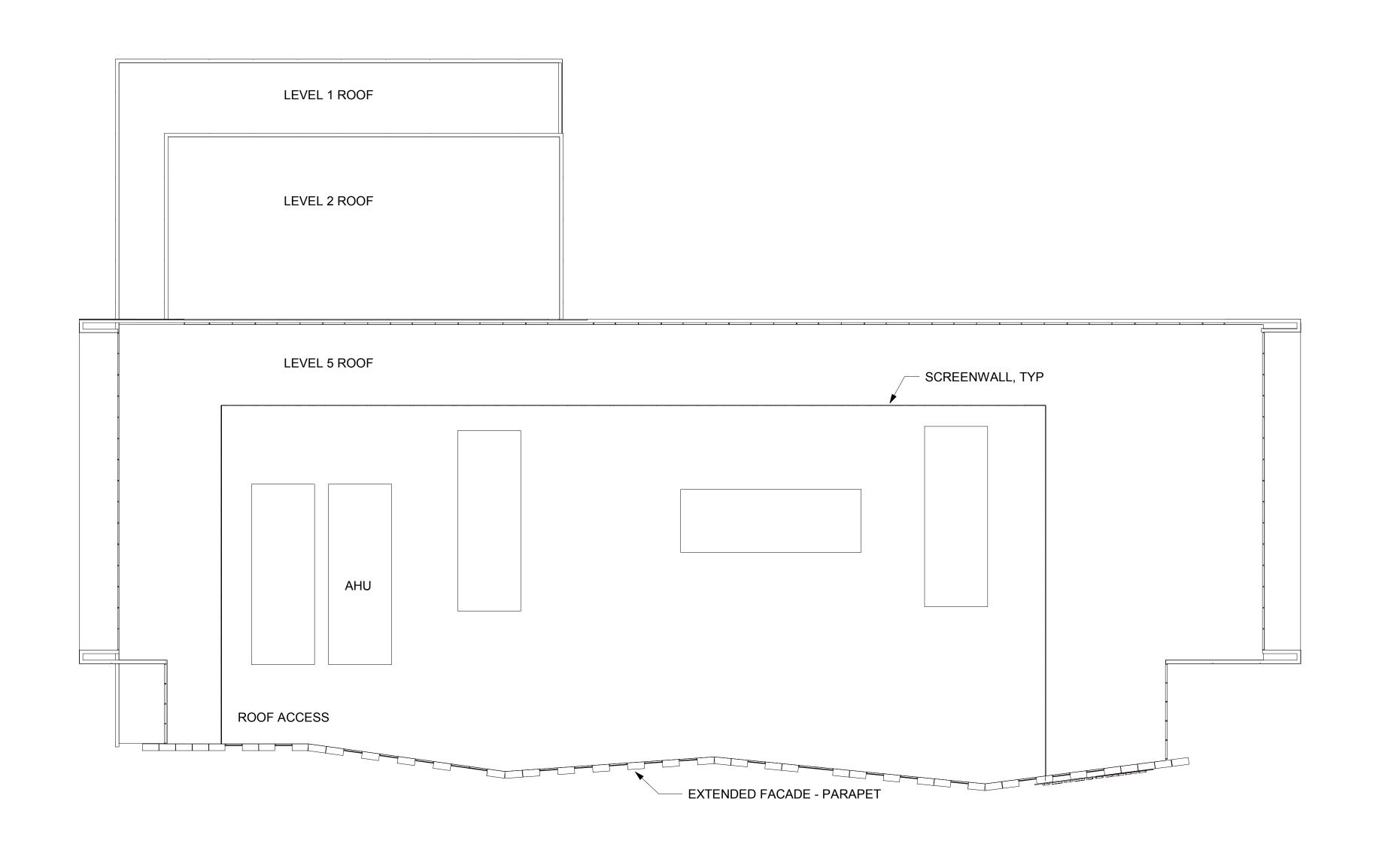
AGENCY APPROVALS:

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DESCRIPTION	DATE

DATE: 04/18/2019
SCALE:
DRAWN: Author
REVIEWED: Checker
JOB NUMBER:

RENDERINGS

DRB_39





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FACILITY NUMBER:

AGENCY APPROVALS:

	REVISIONS	
REV#	DESCRIPTION	DATE

 DATE:
 04/18/2019

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

 DRAWN:
 Author

 REVIEWED:
 Checker

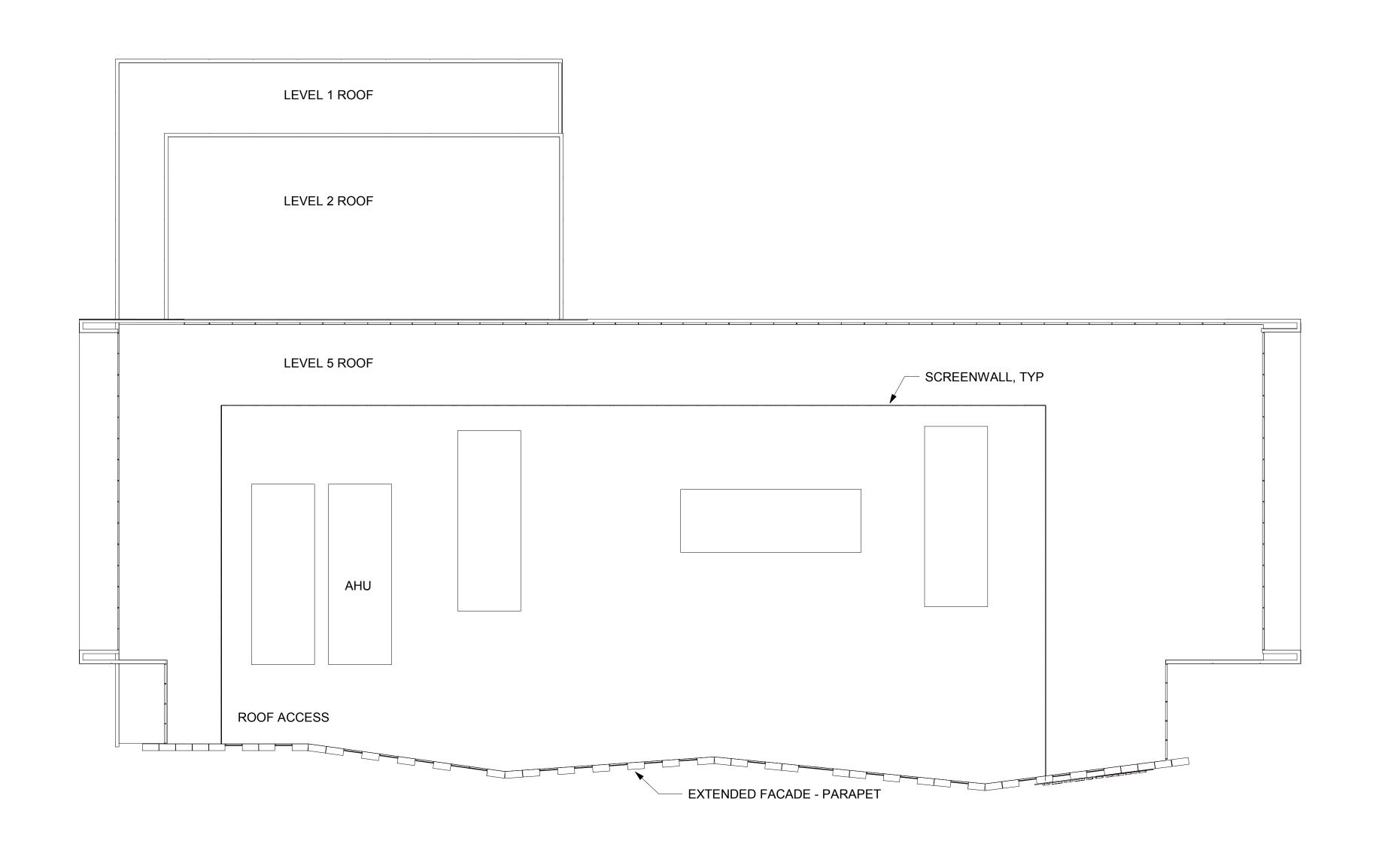
 JOB NUMBER:

ROOF PLAN

DRB_42F









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 1/16" = 1'-0"

 DRAWN:
 Author

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 Checker

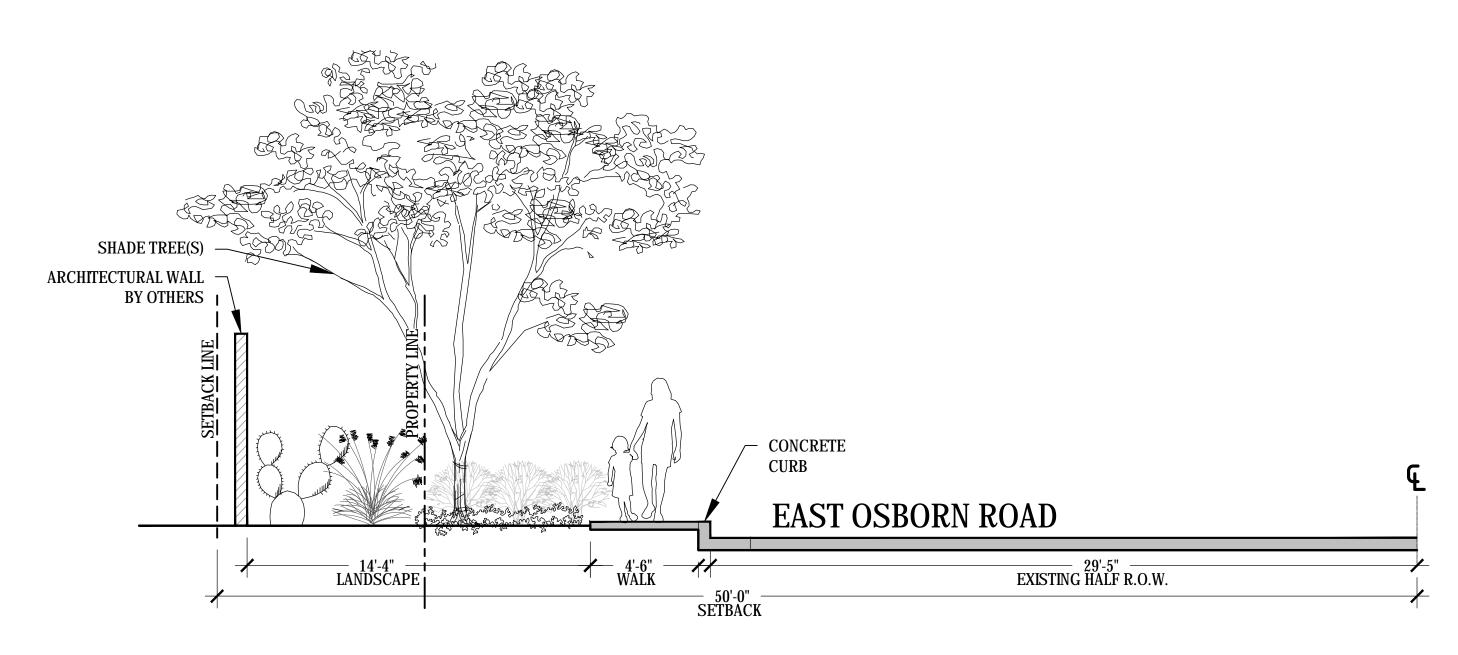
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ROOF PLAN

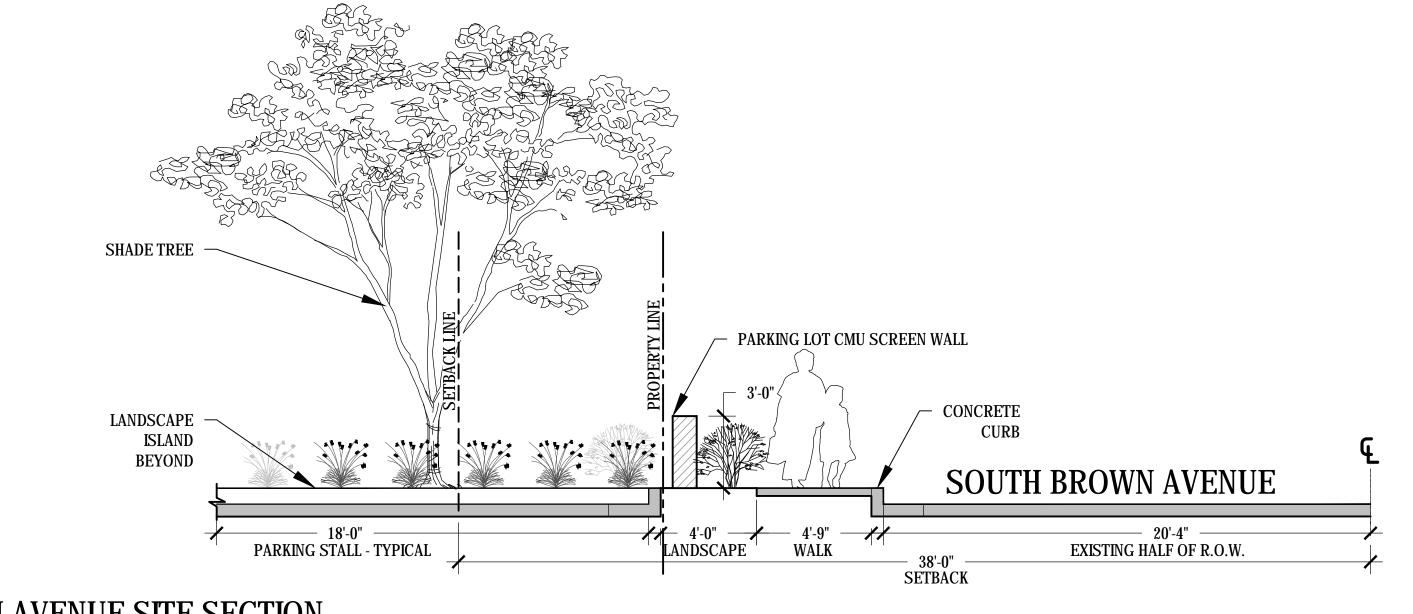
DRB_42F







1 EAST OSBORN SITE SECTION



BROWN AVENUE SITE SECTION

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



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201 W. Indian School Road
Phoenix, Arizona 85013
T: 602.943.8950

F: 602.943.7645 www.devenneygroup.com

Consultant:

NORRIS DESIGN
Planning | Landscape Architecture | Branding

901 East Madison Street Phoenix, AZ 85034 P 602.254.9600 www.norris-design.com

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7400 E Osborn Rd, Scottsdale, AZ 85251

AUTHORITY HAVING JURISDICTION:

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:

AGENCY APPROVALS:

REVISIONS

DESCRIPTION DATE

DATE: 02/20/19
SCALE: As indicated
DRAWN: JP
REVIEWED: JDT
JOB NUMBER:

STREETSCAPE SECTIONS

Contact Arizona 811 at least two full working days before you begin excavation

AR ZONA811

Call 811 or click Arizona811.com

LSPL: ### LSAL: ###

LSIN: ### KIVA: ###

SDEV: ### PAPP: ###

PRLM: ###

Q.S: ### APN: ###

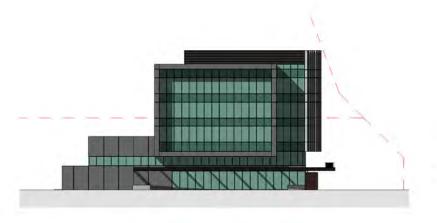
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ZONING CASE #: ###

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

SECTIONS

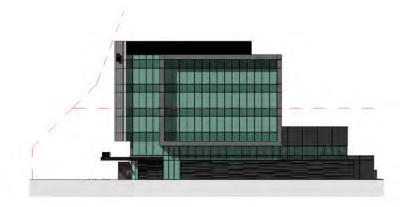
LA-701





NORTH ELEVATION

EAST ELEVATION





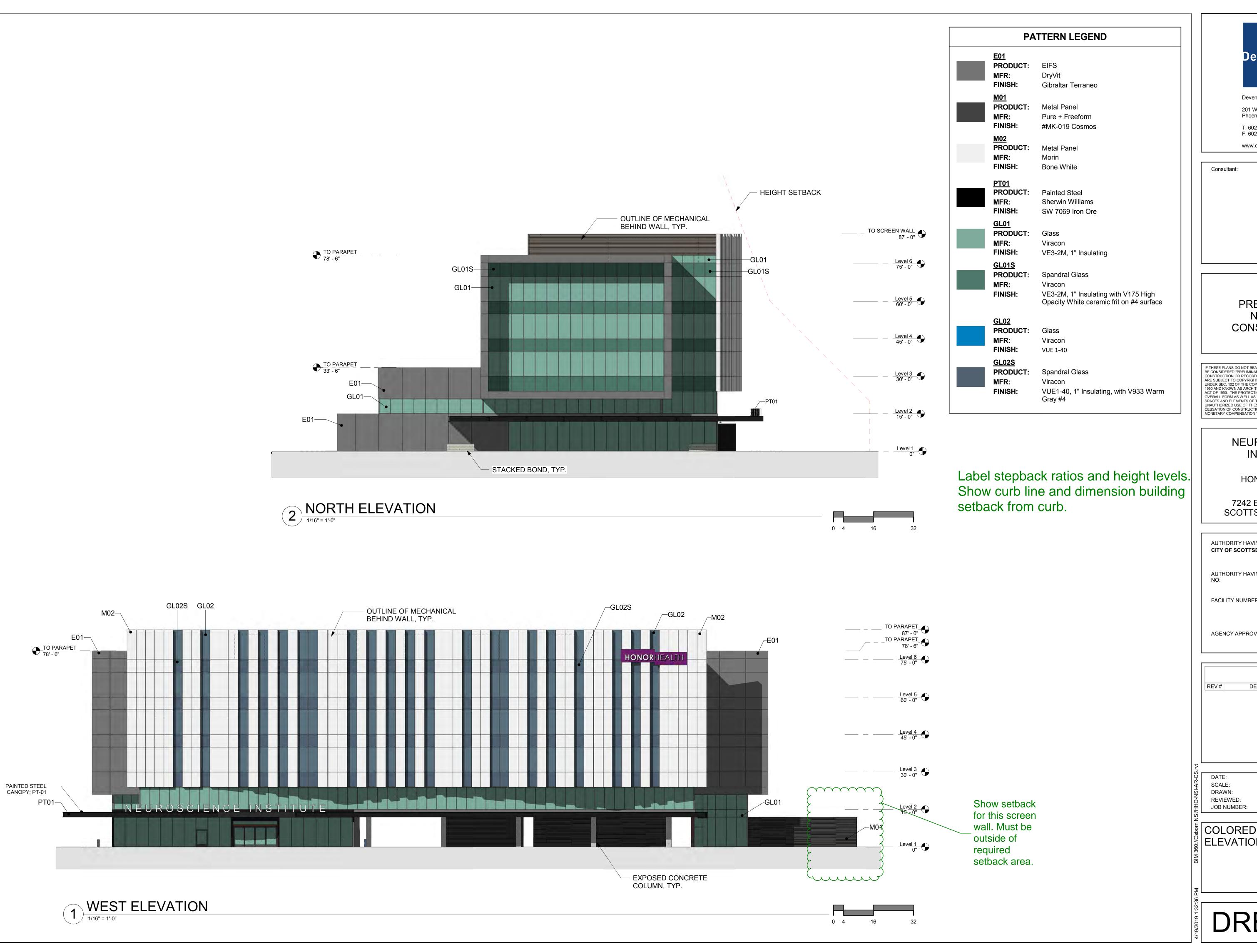
SOUTH ELEVATION

WEST ELEVATION

ELEVATIONS - DESIGN IS CONCEPTUAL & SUBJECT TO CHANGE

HONORHEALTH OSBORN 7242 E OSBORN RD, SCOTTSDALE, AZ 85251 04/05/19 **NEUROSCIENCE INSTITUTE**





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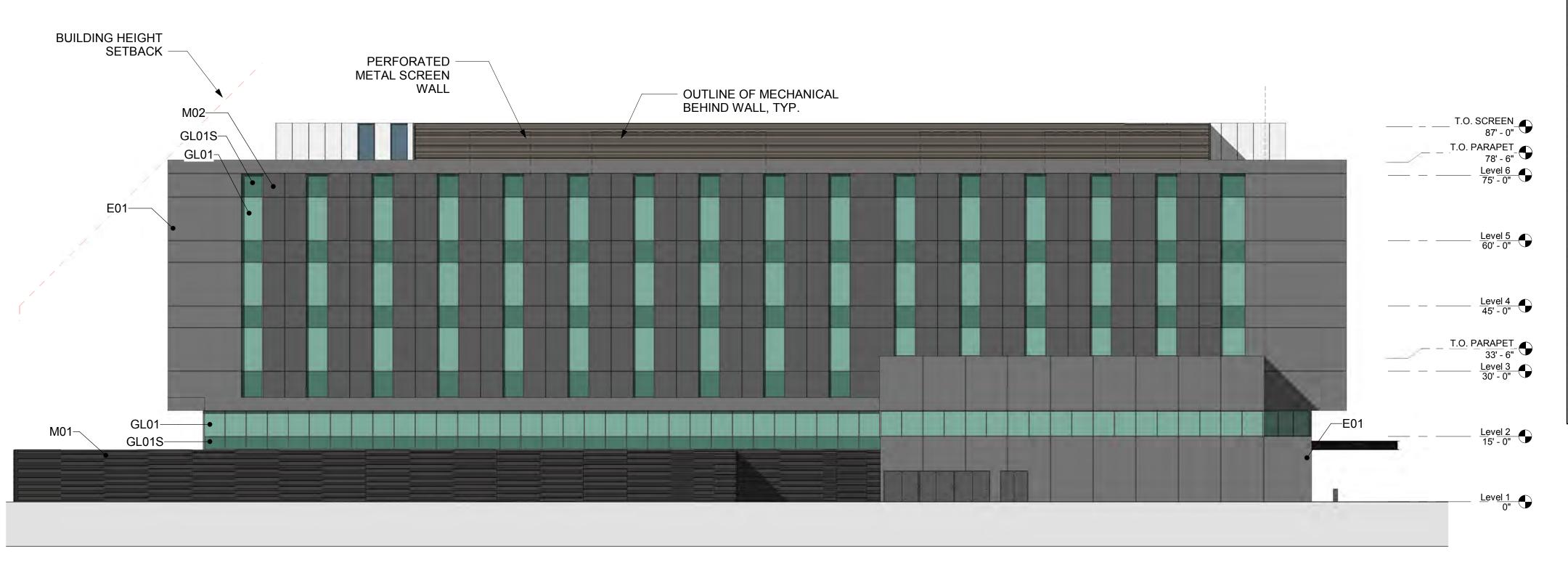
AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE AUTHORITY HAVING JURISDICTION'S PROJECT FACILITY NUMBER: AGENCY APPROVALS:

REVISIONS DESCRIPTION DATE

04/18/2019 1/16" = 1'-0" Author Checker

COLORED EXTERIOR ELEVATIONS

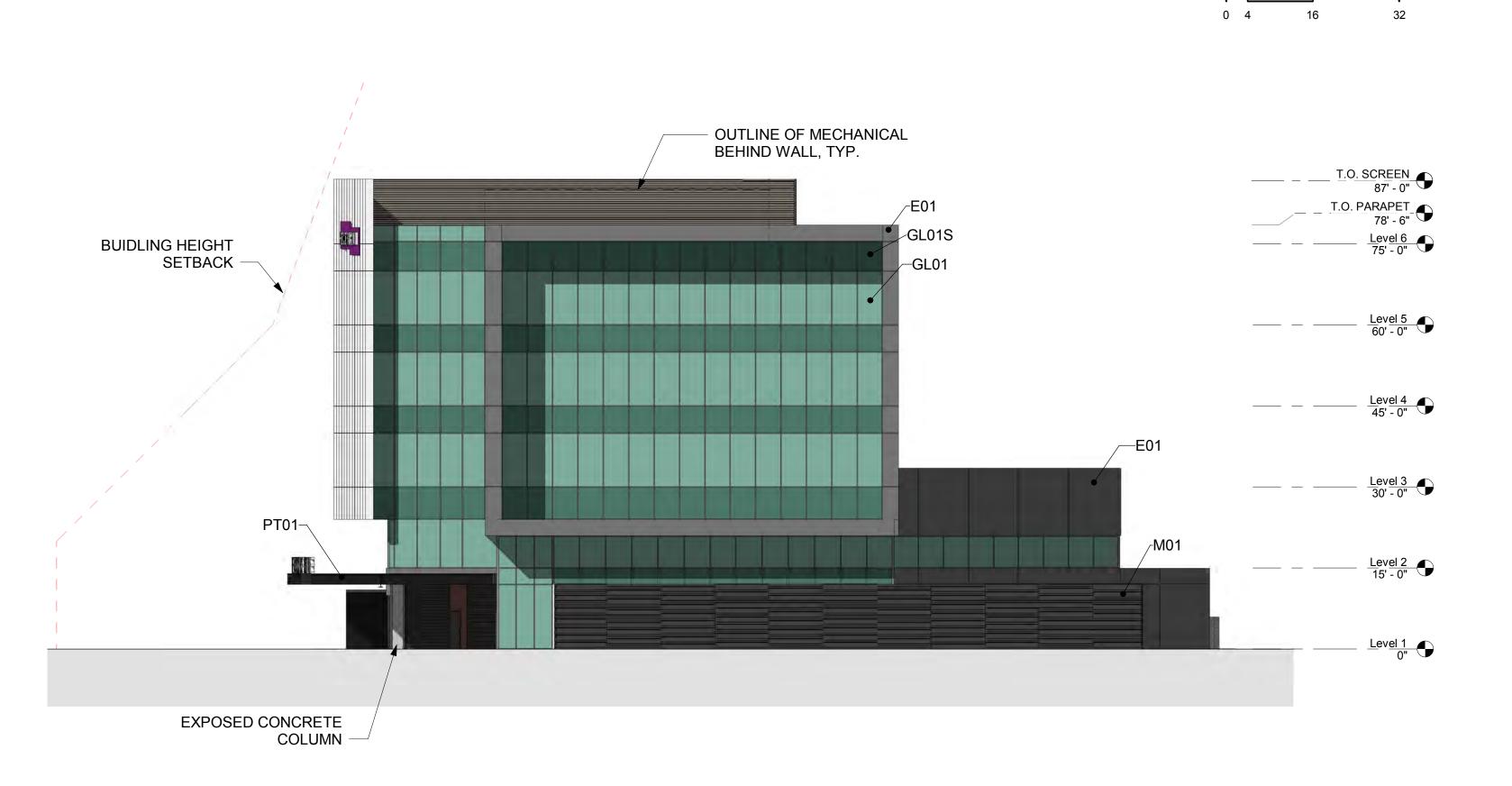
DRB_37A

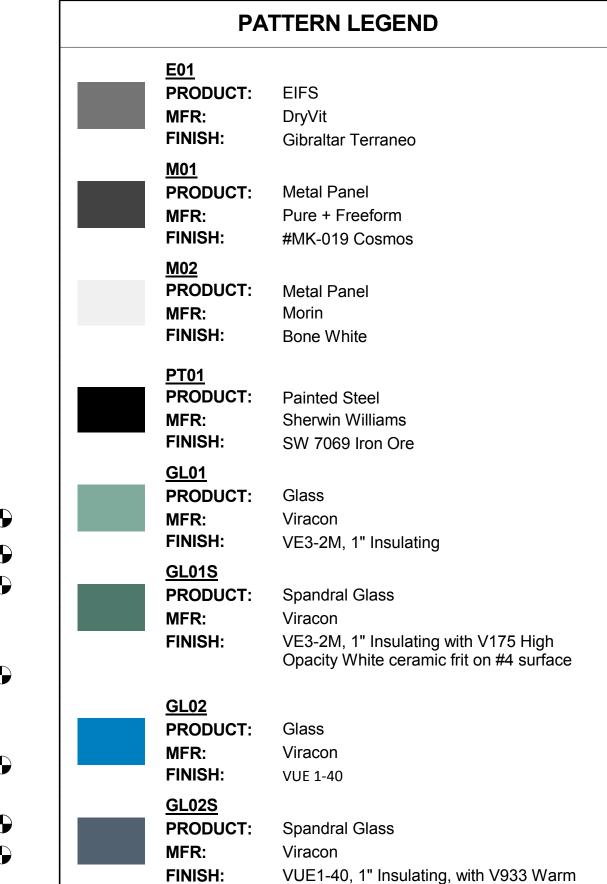


2 SOUTH ELEVATION
1/16" = 1'-0"

1 EAST ELEVATION

1/16" = 1'-0"





Gray #4



Devenney Group Ltd., Architects
201 W. Indian School Road
Phoenix, Arizona 85013
T: 602.943.8950

F: 602.943.7645 www.devenneygroup.com

Consultant:

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HONORHEALTH

7242 E OSBORN RD, SCOTTSDALE, AZ 85251

AUTHORITY HAVING JURISDICTION:
CITY OF SCOTTSDALE

AUTHORITY HAVING JURISDICTION'S PROJECT
NO:

FACILITY NUMBER:

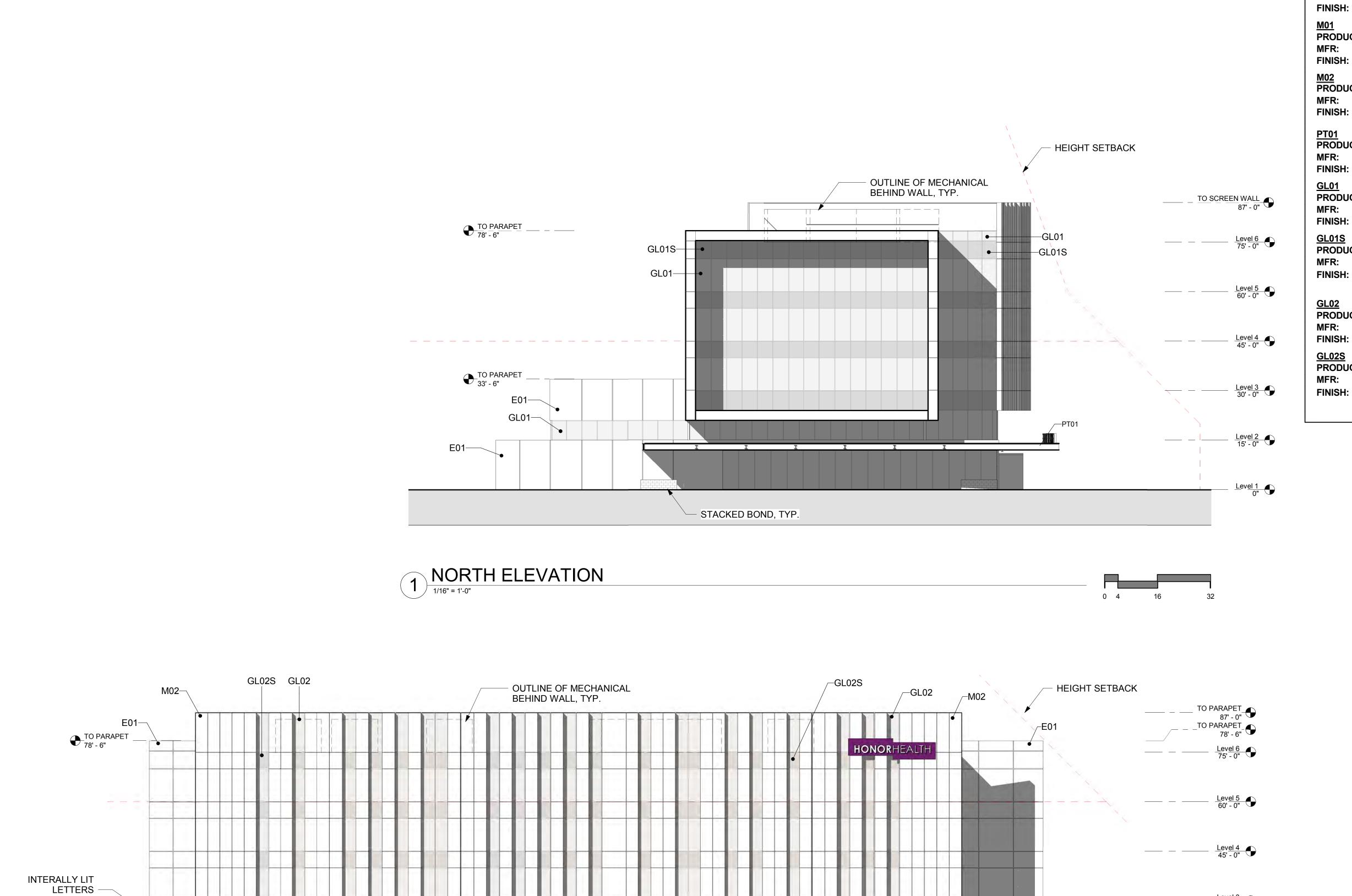
AGENCY APPROVALS:

REVISIONS		
REV#	DESCRIPTION	DATE

DATE: 04/18/2019
SCALE: 1/16" = 1'-0"
DRAWN: Author
REVIEWED: Checker
JOB NUMBER:

COLORED EXTERIOR ELEVATIONS

DRB_37B



TO <u>SIGNAGE</u> 17' - 0"

WEST ELEVATION

1/16" = 1'-0"

PATTERN LEGEND

PRODUCT: EIFS MFR:

DryVit FINISH: Gibraltar Terraneo

PRODUCT: Metal Panel MFR: Pure + Freeform FINISH: #MK-019 Cosmos

PRODUCT:

Metal Panel Morin Bone White

PRODUCT:

Painted Steel Sherwin Williams FINISH: SW 7069 Iron Ore

<u>GL01</u>

PRODUCT: Glass

FINISH: VE3-2M, 1" Insulating

PRODUCT: Spandral Glass

VE3-2M, 1" Insulating with V175 High Opacity FINISH:

White ceramic frit on #4 surface

PRODUCT: Glass MFR: Viracon FINISH: VUE 1-40

<u>GL02S</u>

Level 3 30' - 0"

PRODUCT: Spandral Glass

Viracon VUE1-40, 1" Insulating, with V933 Warm Gray



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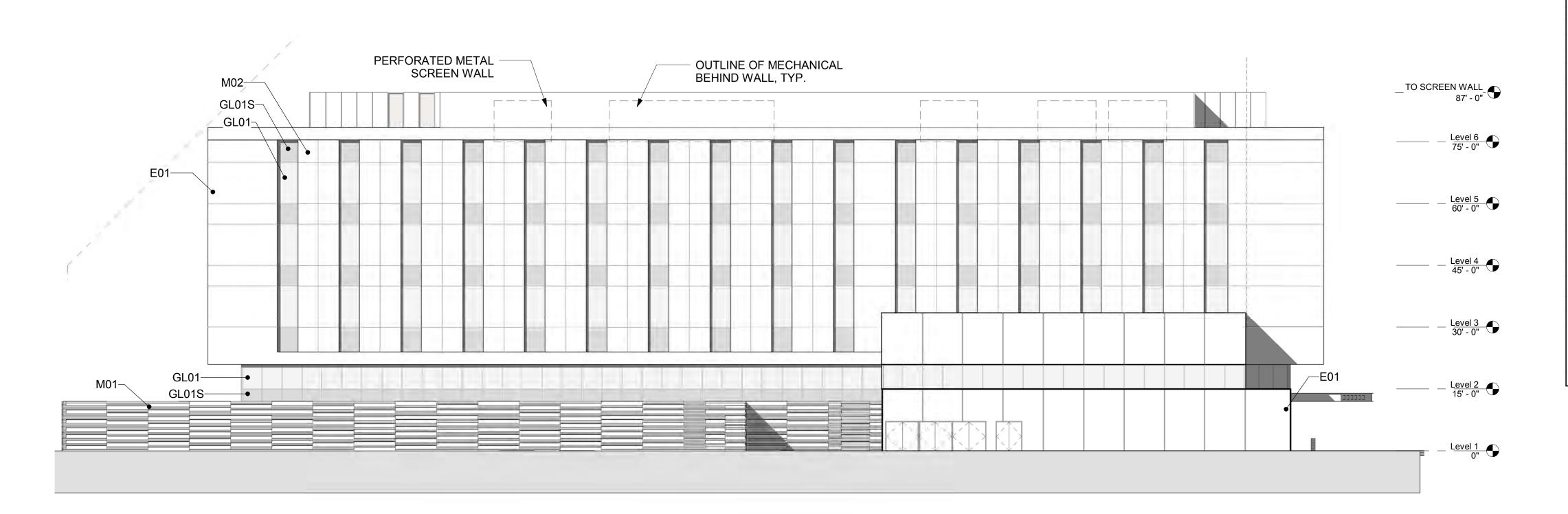
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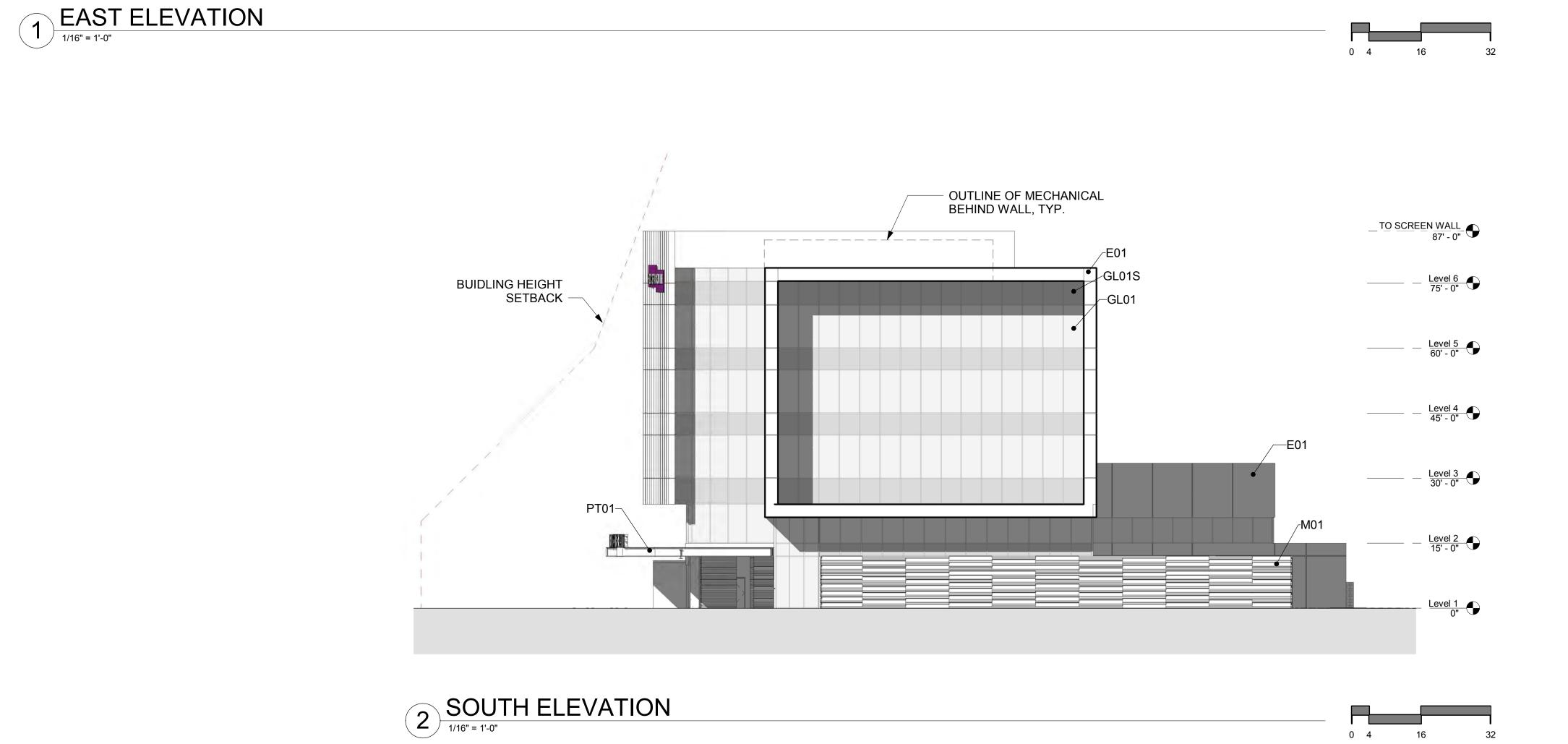
	REVISIONS	
REV#	DESCRIPTION	DATE

04/18/2019 SCALE: DRAWN: Author REVIEWED: Checker JOB NUMBER:

EXTERIOR ELEVATIONS

DRB_37C





PATTERN LEGEND

<u>01</u>

PRODUCT: EIFS **MFR**: DryVit

FINISH: Gibraltar Terraneo

PRODUCT: Metal Panel
MFR: Pure + Freeform
FINISH: #MK-019 Cosmos

PRODUCT: Metal Panel MFR: Morin Bone White

PRODUCT: Painted Steel

MFR: Sherwin Williams

FINISH: SW 7069 Iron Ore

PRODUCT: Glass
MFR: Viracon

FINISH: VE3-2M, 1" Insulating

GL01S
PRODUCT: Spandral Glass

MFR: Viracon
FINISH: VE3-2M, 1" Insulating with V175 High Opacity

White ceramic frit on #4 surface

GL02
PRODUCT: Glass
MFR: Viracon
FINISH: VUE 1-40

GL02S
PRODUCT: Spandral Glass

MFR: Spandral Glas

FINISH: VUE1-40, 1" Insulating, with V933 Warm Gray

#4

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REVISIONS					
REV#	DESCRIPTION	DATE			

DATE: 04/18/2019

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

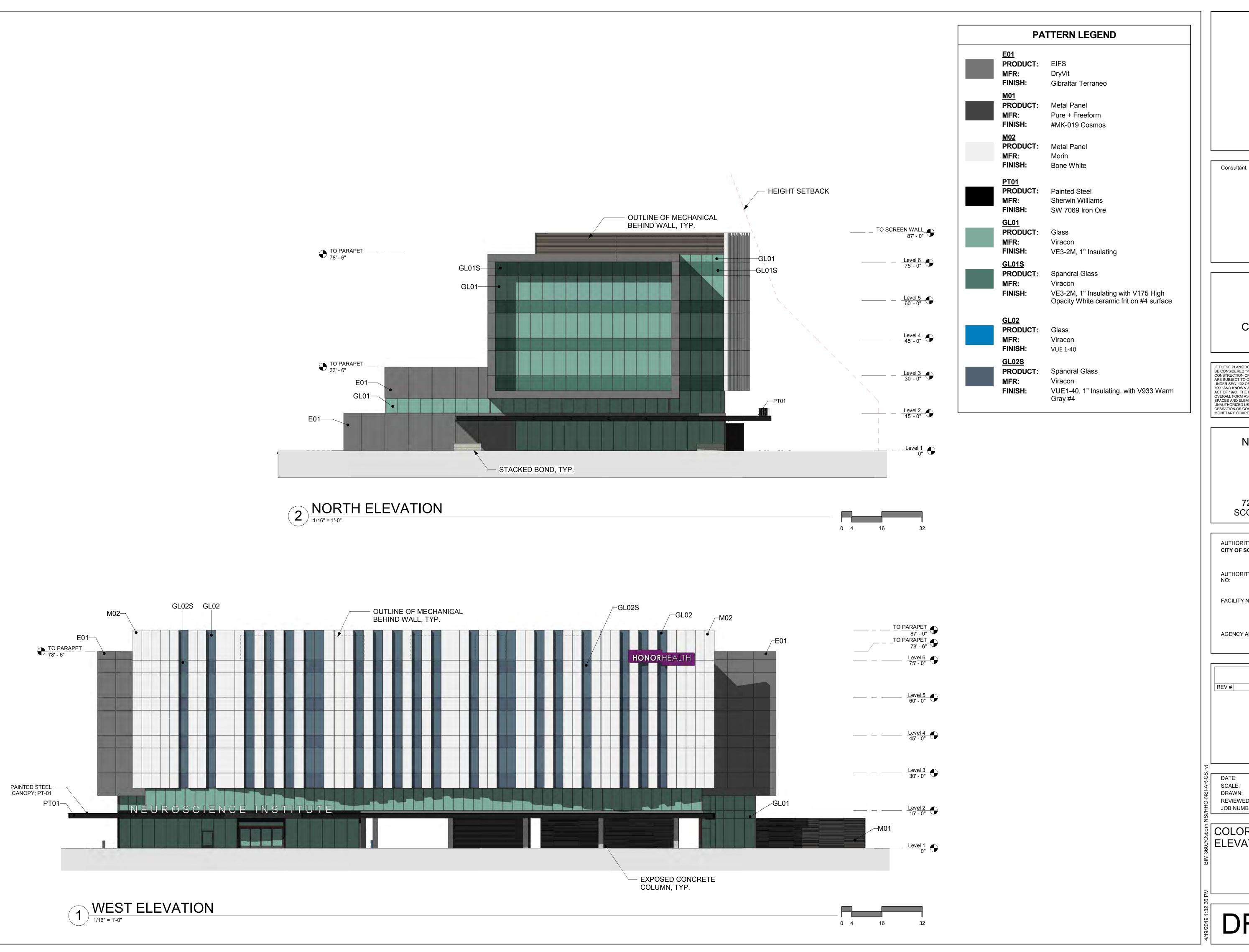
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JOB NUMBER:

EXTERIOR ELEVATIONS

DRB_37D





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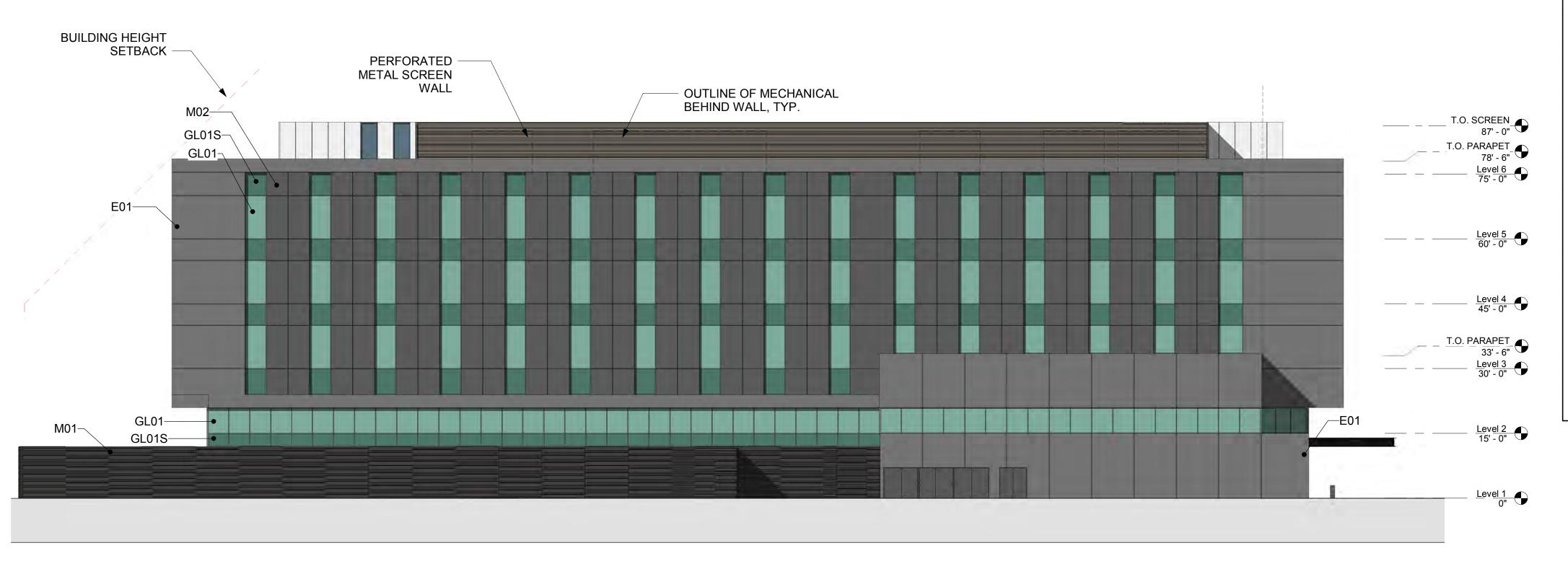
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REV#	DESCRIPTION	DATE		

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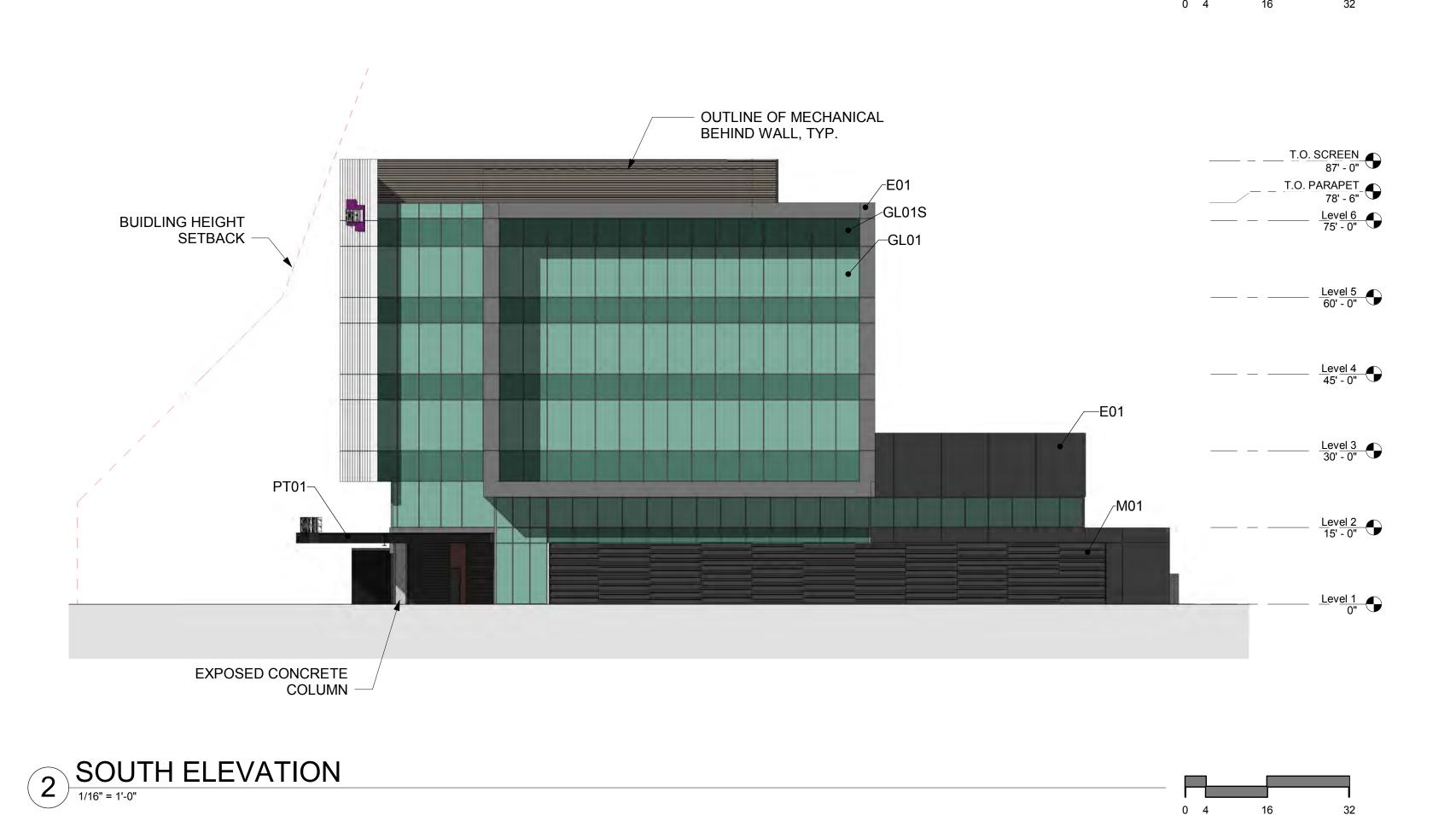
COLORED EXTERIOR ELEVATIONS

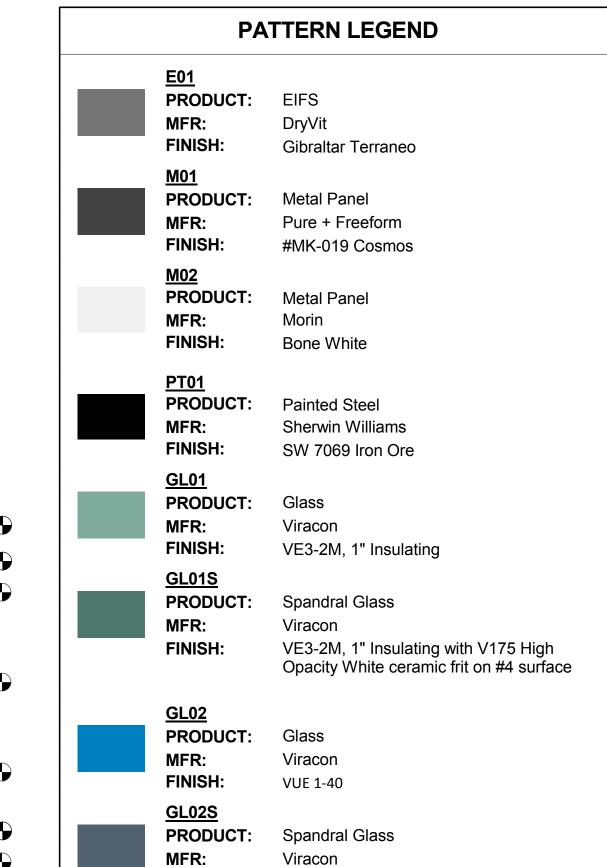
DRB_37A



1 EAST ELEVATION

1/16" = 1'-0"





Gray #4

VUE1-40, 1" Insulating, with V933 Warm

FINISH:



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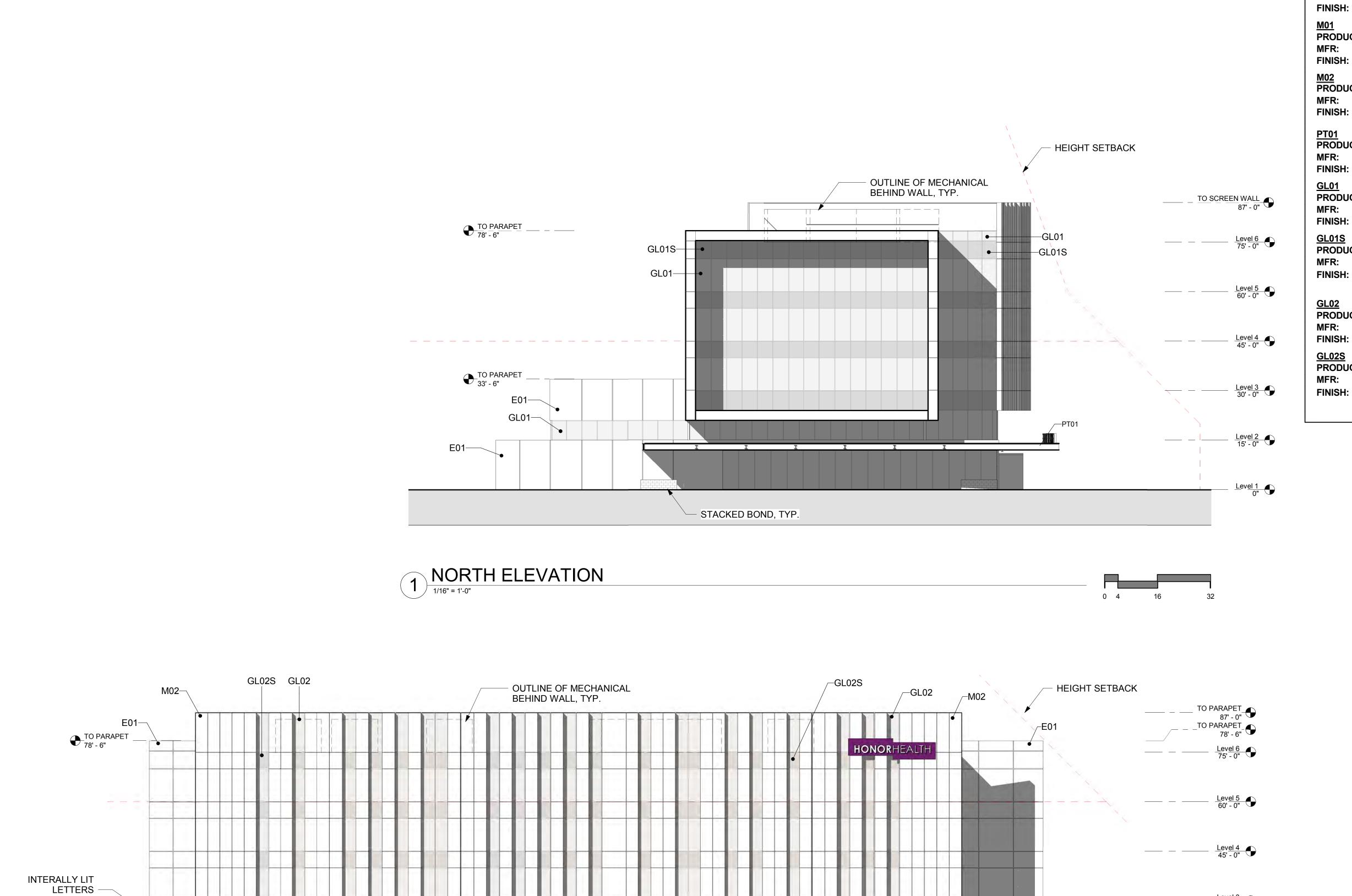
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COLORED EXTERIOR ELEVATIONS

DRB_37B



TO <u>SIGNAGE</u> 17' - 0"

WEST ELEVATION

1/16" = 1'-0"

PATTERN LEGEND

PRODUCT: EIFS MFR:

DryVit FINISH: Gibraltar Terraneo

PRODUCT: Metal Panel MFR: Pure + Freeform FINISH: #MK-019 Cosmos

PRODUCT:

Metal Panel Morin Bone White

PRODUCT:

Painted Steel Sherwin Williams FINISH: SW 7069 Iron Ore

<u>GL01</u>

PRODUCT: Glass

FINISH: VE3-2M, 1" Insulating

PRODUCT: Spandral Glass

VE3-2M, 1" Insulating with V175 High Opacity FINISH:

White ceramic frit on #4 surface

PRODUCT: Glass MFR: Viracon FINISH: VUE 1-40

<u>GL02S</u>

Level 3 30' - 0"

PRODUCT: Spandral Glass

Viracon VUE1-40, 1" Insulating, with V933 Warm Gray



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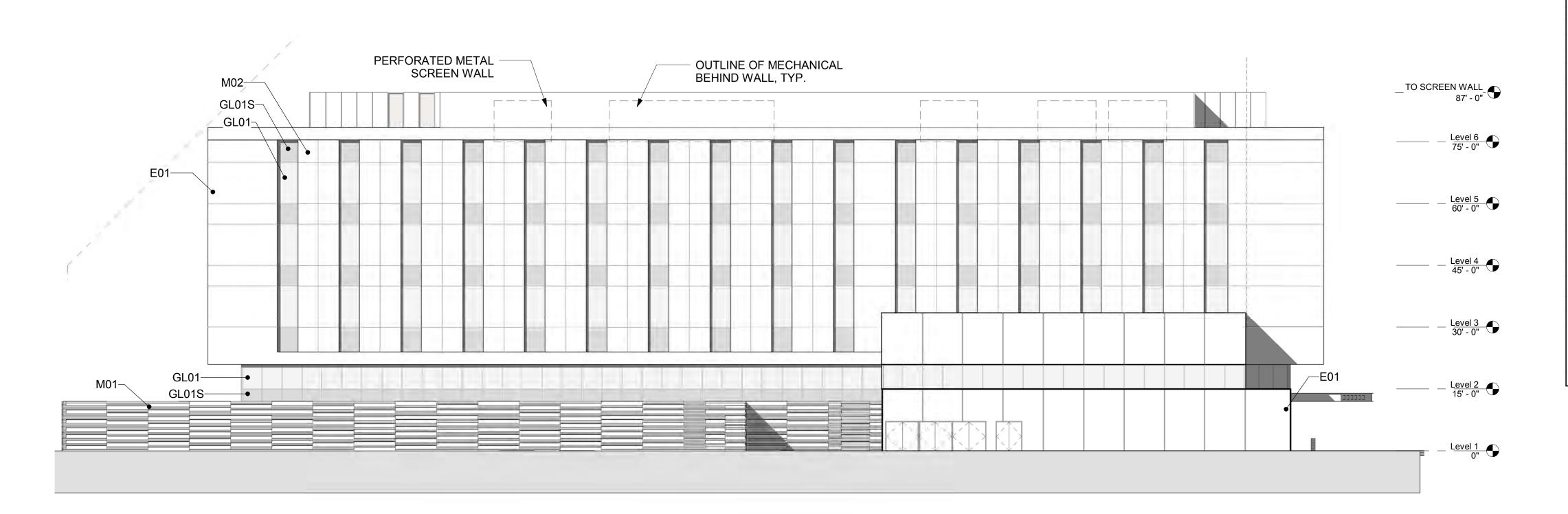
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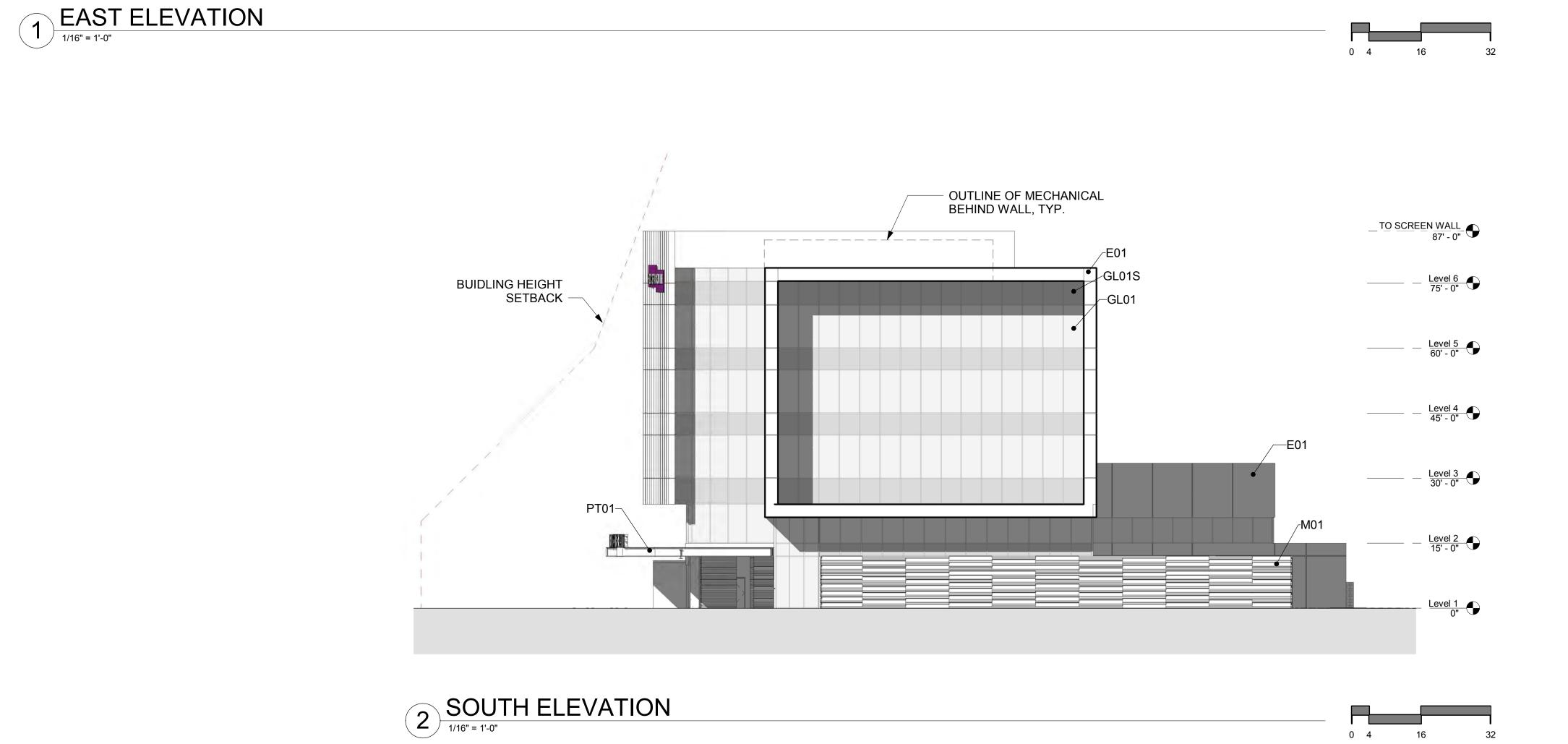
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REV#	DESCRIPTION	DATE

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EXTERIOR ELEVATIONS

DRB_37C





PATTERN LEGEND

<u>01</u>

PRODUCT: EIFS **MFR**: DryVit

FINISH: Gibraltar Terraneo

PRODUCT: Metal Panel
MFR: Pure + Freeform
FINISH: #MK-019 Cosmos

PRODUCT: Metal Panel MFR: Morin Bone White

PRODUCT: Painted Steel

MFR: Sherwin Williams

FINISH: SW 7069 Iron Ore

PRODUCT: Glass
MFR: Viracon

FINISH: VE3-2M, 1" Insulating

GL01S
PRODUCT: Spandral Glass

MFR: Viracon
FINISH: VE3-2M, 1" Insulating with V175 High Opacity

White ceramic frit on #4 surface

GL02
PRODUCT: Glass
MFR: Viracon
FINISH: VUE 1-40

GL02S
PRODUCT: Spandral Glass

MFR: Spandral Glas

FINISH: VUE1-40, 1" Insulating, with V933 Warm Gray

#4

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AGENCY APPROVALS:

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

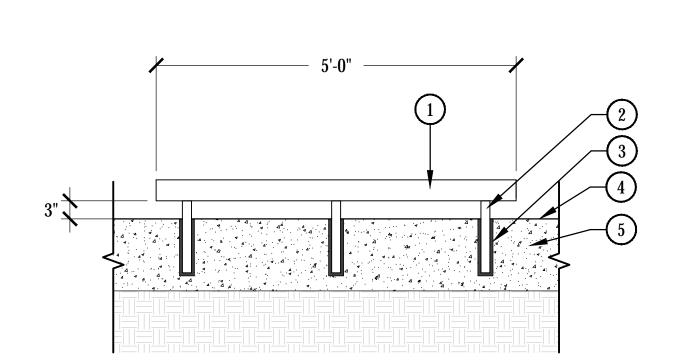
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REVIEWED: Checker

JOB NUMBER:

EXTERIOR ELEVATIONS

DRB_37D



- 3.5" SQ. STEEL TUBE PAINTED BLACK
- 2 1.5" SQ. STEEL TUBE PAINTED BLACK
- 3 CONCRETE SLEEVE W/ EPOXY -TO MATCH ADJACENT PAVING
- 4 FINISH GRADE
- 5 CONCRETE PAVING SEE PAVING SCHEDULE

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.

SCALE: 3/4" = 1'-0"

2. ALL STEEL AND HARDWARE TO BE PAINTED BLACK AN SEALED TO PREVENT STAINING.



BIKE RACK: VAULT SERIES MANUFACTURED BY: BELSON OUTDOORS BASE MODEL NUMBER(S):

(1) DF6510 (SHORT) (1) DF6515 (MEDIUM)

(1) DF6520 (TALL) FINISH: STANDARD ACID WASH

COLOR: FOG METAL POWDERCOAT COLOR: CHARCOAL SEE MANUFACTURERS GUIDE FOR INSTALLATION RECOMENDATIONS.

WHEEL STOP

BIKE RACK - VAULT SERIES

NOTES:

1. CONTRACTOR TO PROVIDE

LANDSCAPE ARCHITECT FOR

2. REINFORCEMENT TO BE

APPROVED BY STRUCTURAL

SHOP DRAWINGS TO

APPROVAL PRIOR TO

ENGINEER PRIOR TO

CONSTUCTION.

CONSTRUCTION.

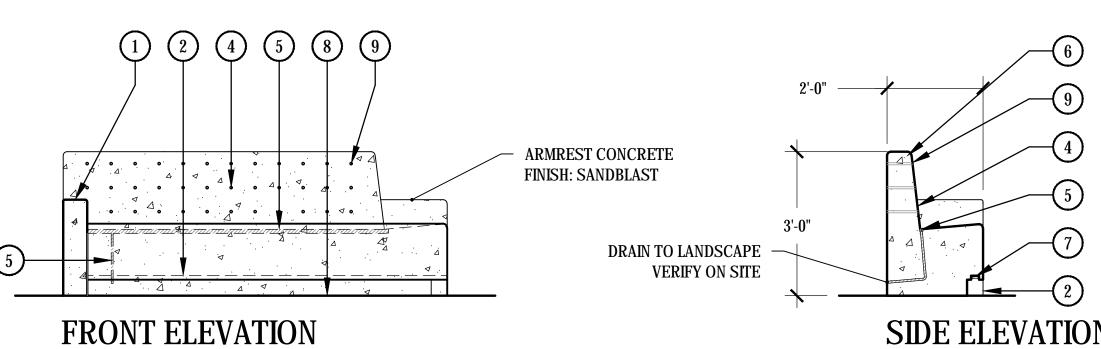
5 BENCH DRAIN - TBD DRAIN TO LANDSCAPE

7 LED TAPE LIGHT

9 CONCRETE TIE HOLE - 6" O.C.

ARMREST CONCRETE FINISH: SANDBLAST DRAIN TO LANDSCAPE VERIFY ON SITE PLAN VIEW

6" O.C. 6" O.C. TYPICAL TIE HOLE SPACING



SIDE ELEVATION

N.T.S.

1 6" WIDE ARM REST - SANDBLAST **FINISH**

2 4" WIDE RECESS w/ LED TAPE

3 CONCRETE FINISH - SMOOTH

4 ANGLED BACK REST w/ TIE HOLES

6 1" RADIUS - TYPICAL

8 FINISH GRADE

CAST IN PLACE L- BENCH SCALE: 1/2" = 1'-0"



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Consultant: 7))) NORRIS DESIGN

> 901 East Madison Street Phoenix, AZ 85034 P 602.254.9600 www.norris-design.com

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AGENCY APPROVALS:

REVISIONS DESCRIPTION

SCALE: As indicated DRAWN: REVIEWED: JDT

HARDSCAPE DETAILS

JOB NUMBER:

Contact Arizona 811 at least two full working days before you begin excavation AR ZONA811 Call 811 or click Arizona811.com

LSPL: ### LSAL: ###

LSIN: ### KIVA: ###

SDEV: ### PAPP: ###

PRLM: ### Q.S: ### APN: ###

ZONING CASE #: ### OVERLAY: ###

LA-201



LIGHTED BOLLARD: KNIGHT **BOLLARD WITH SECURITY** CORE MANUFACTURED BY: FORMS+SURFACES MODEL NUMBER(S): LBKNI-LED FINISH: WHITE TEXTURE COLOR: WHITE SEE MANUFACTURERS GUIDE FOR INSTALLATION RECOMMENDATIONS.



LANDSCAPE CONTAINER: ARRIS SERIES MANUFACTURED BY: QCP CORP MODEL NUMBER(S): QR-AR-4224P FINISH: ACID ETCH COLOR: AGENT WHITE SEE MANUFACTURERS GUIDE FOR INSTALLATION RECOMENDATIONS.

LIGHTED BOLLARD - KNIGHT BOLLARDS

2 1 5 4

1 ARTIFICIAL TURF- SEE PAVING

N.T.S.

② SETTING BED/BASE COURSE PER MANUFACTURER'S RECOMMENDATION

3 COMPACTED SUBGRADE

4 TOPDRESS - SEE TOPDRESS **SCHEDULE**

5 FABRICATED 1/4" THICK STEEL ANGLE - UNEQUAL LEGS 2"x6" @ ARTIFICIAL TURF EDGES

6 1" SQUARE STEEL TUBE WELDED TO BACKSIDE OF ANGLE, AND DRIVEN INTO SUBGRADE TO ANCHOR.

7 PRESSURE TREATED WOOD SLEEPER

LANDSCAPE CONTAINERS - ARRIS SERIES

123

ARTIFICIAL TURF -MANUFACTURED BY: DUPONT FOREVERLAWN. MODEL: SELECT

HD. PHONE: 866.992.7876.

N.T.S.

2 SAND SETTING BED

(3) COMPACTED SUBGRADE

NOTES:

1. INSTALL ARTIFICIAL TURF PER MANUFACTURER'S RECOMMENDATIONS.

STEEL EDGER AT TURF

1 2

SCALE: 3'' = 1'-0''

1 ARTIFICIAL TURF - SEE PAVING PLAN

2 SETTING BED/BASE COURSE PER MANUFACTURER'S RECOMMENDATION.

(3) COMPACTED SUBGRADE

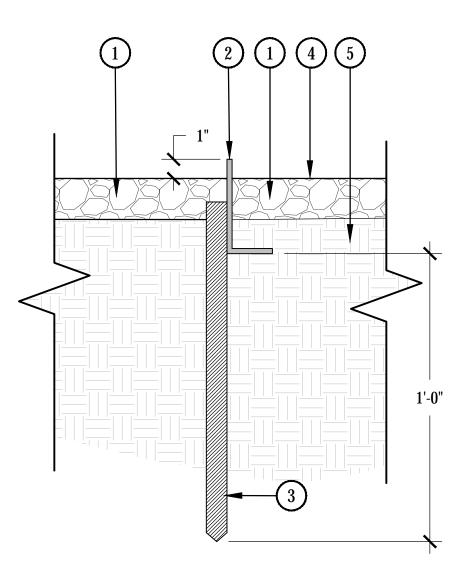
(4) EXISTING OR NEW CONCRETE SEE DETAIL- 1/LA-204

(5) 1/2" RADIUS ALONG TURF EDGE OR AS EXISTING

SCALE: 3" = 1'-0"

6 PRESSURE TREATED WOOD SLEEPER





ADJACENT CONDITION VARIES -SEE HARDSCAPE PLANS FOR LOCATIONS

2) 1/4" X 2" X 4" FABRICATED STEEL ANGLE - UNEQUAL LEGS

SCALE: 3" = 1'-0"

(3) 1" SQUARE STEEL TUBE WELDED TO BACKSIDE OF FABRICATED ANGLE, AND DRIVEN INTO SUBGRADE TO ANCHOR.

4 FINISH GRADE

5 UNDISTURBED SOIL OR COMPACTED SUBGRADE

ARTIFICIAL TURF AT CONCRETE

STEEL EDGE

SCALE: 3" = 1'-0"



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Consultant:

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REVISIONS DESCRIPTION

02/20/19 SCALE: As indicated DRAWN: REVIEWED: JDT

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JOB NUMBER:

ZONING CASE #: ###



LSPL: ###

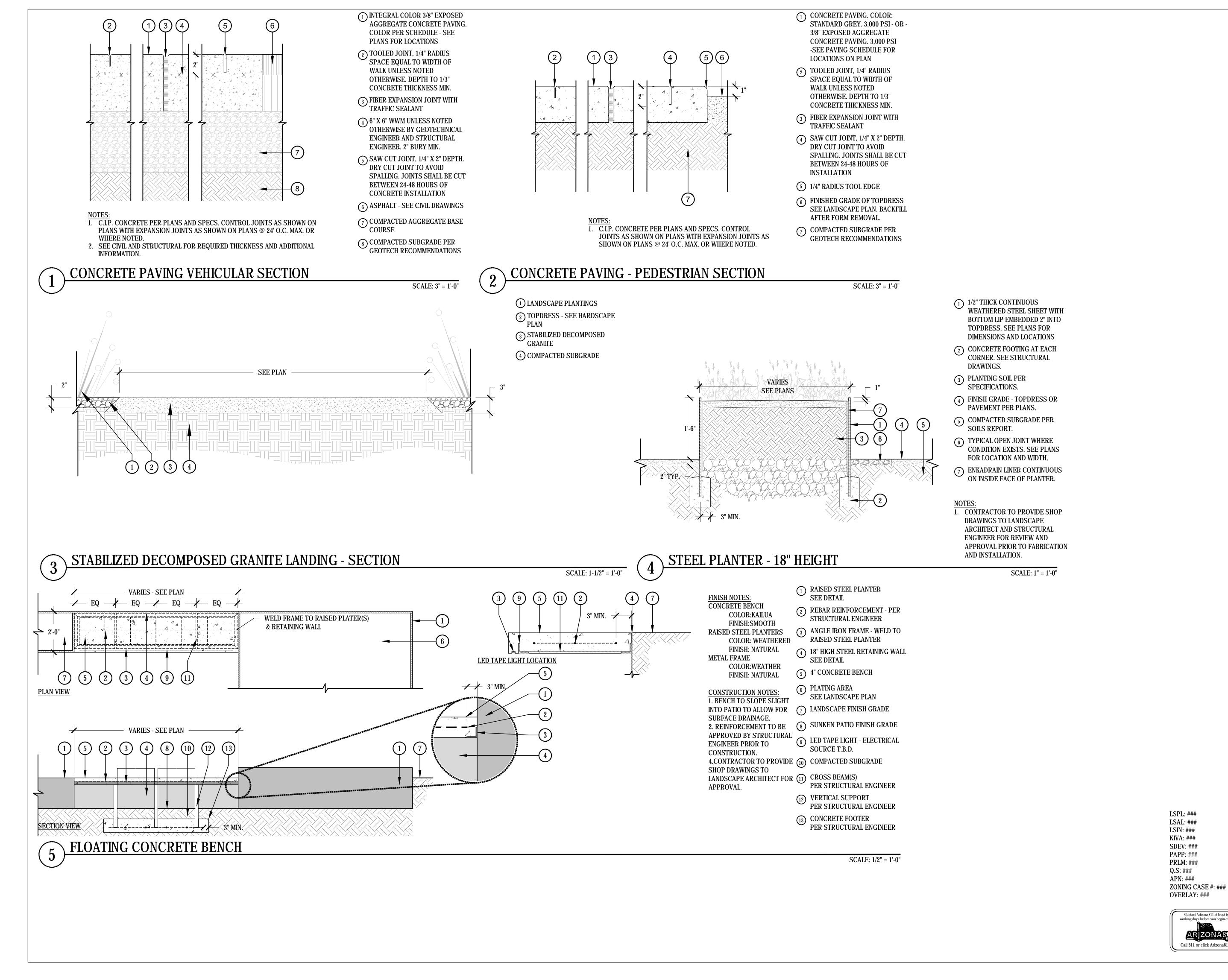
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LSIN: ### KIVA: ###

SDEV: ### PAPP: ###

PRLM: ### Q.S: ### APN: ###

OVERLAY: ###





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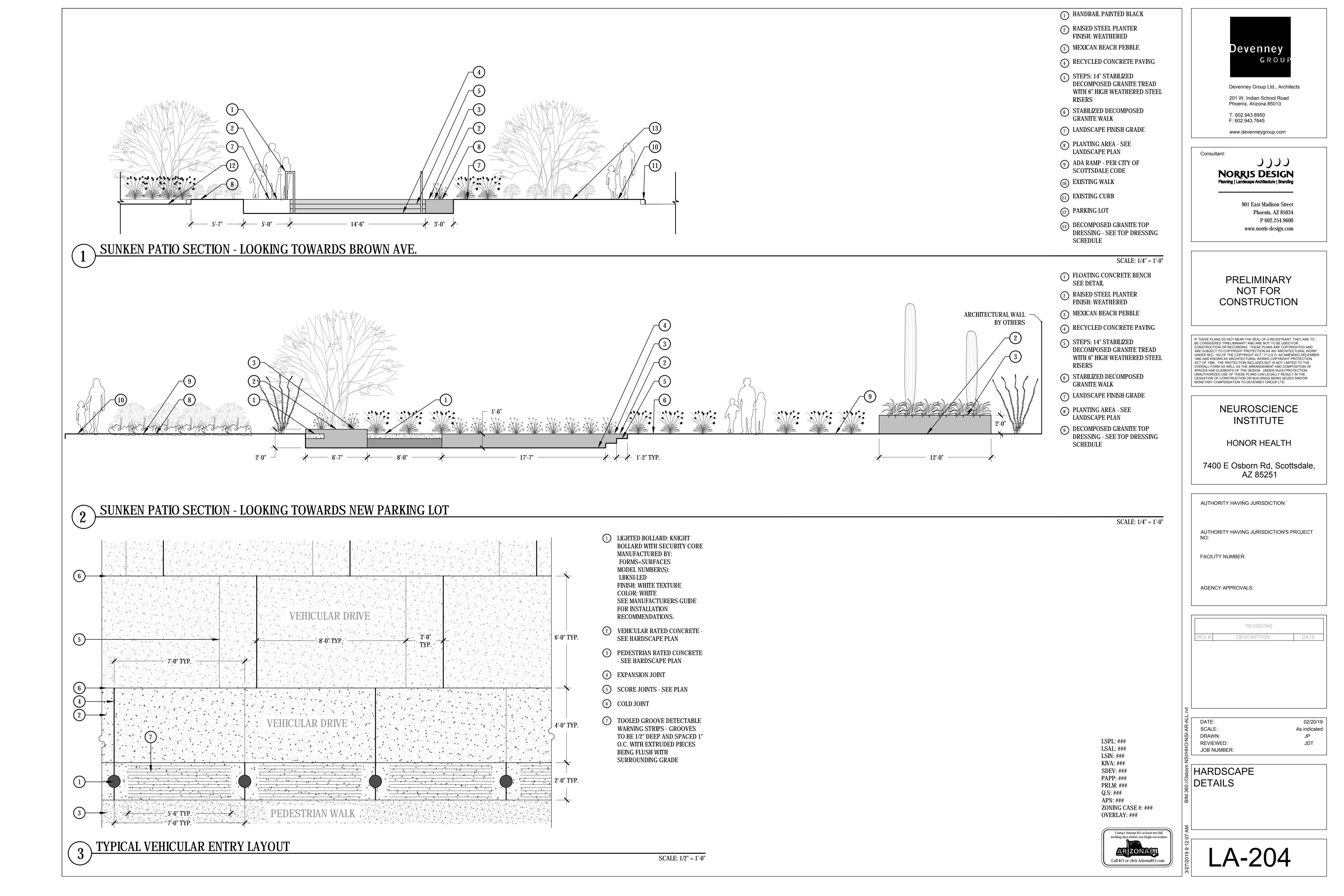
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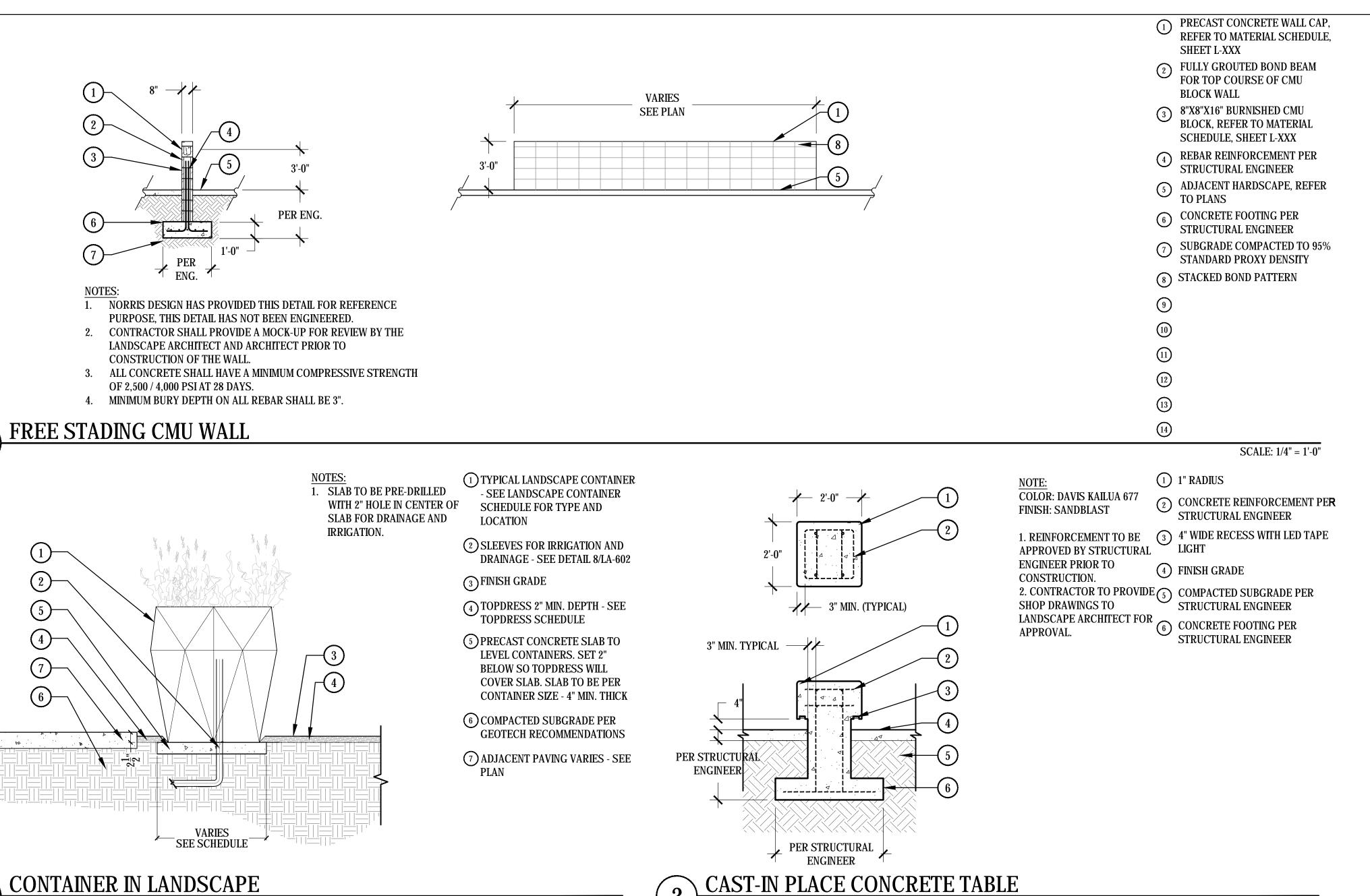
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HARDSCAPE DETAILS

Contact Arizona 811 at least two full AR ZONA811 Call 811 or click Arizona811.com

LA-203





SCALE: 3/4" = 1'-0"

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



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HARDSCAPE

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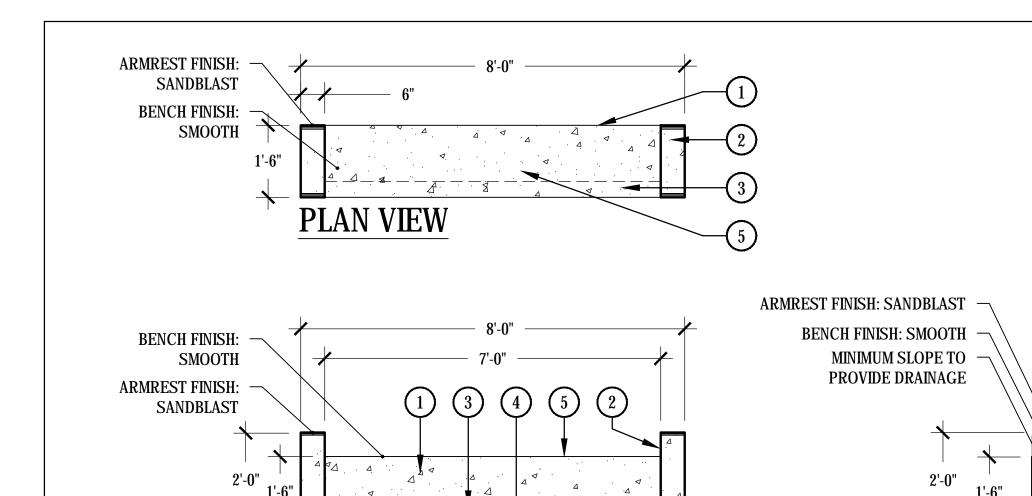
LSAL: ###

LSIN: ### KIVA: ###

SDEV: ### PAPP: ###

PRLM: ### Q.S: ### APN: ###

DETAILS



1. REINFORCEMENT TO BE APPROVED BY STRUCTURAL **ENGINEER PRIOR TO** CONSTRUCTION. 2. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL.

COLOR: DAVIS KAILUA 677 BENCH FINISH: SMOOTH ARMREST FINISH: SANDBLAST 1 CONCRETE BENCH

6" WIDE ARMREST -SANDBLASTED

(3) 4" RECESS WITH LED TAPE LIGHT

(4) FINISH GRADE

5 SLOPE SURFACE

CAST IN PLACE CONCRETE BENCH

FRONT ELEVATION

(1) ADJACENT CONDITION VARIES -SEE HARDSCAPE PLAN FOR LOCATIONS

SIDE ELEVATION

- $\frac{1}{4}$ " x 10" FLAT STEEL
- (3) 1" STEEL SQUARE TUBE WELDED TO BACKSIDE OF FLAT STEEL RISER AND DRIVEN INTO SUBGRADE ANCHOR
- (4) FINISH GRADE
- (5) UNDISTURBED SOIL OR COMPACTED SUBGRADE

1 2 1 4 5 1'-6" 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL.

—— 1'-2" TYP. ———

6" TYP.

FINISH: NATURAL **COLOR: WEATHERED**

METAL STEP AT SUNKEN LOUNGE - SECTION

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

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

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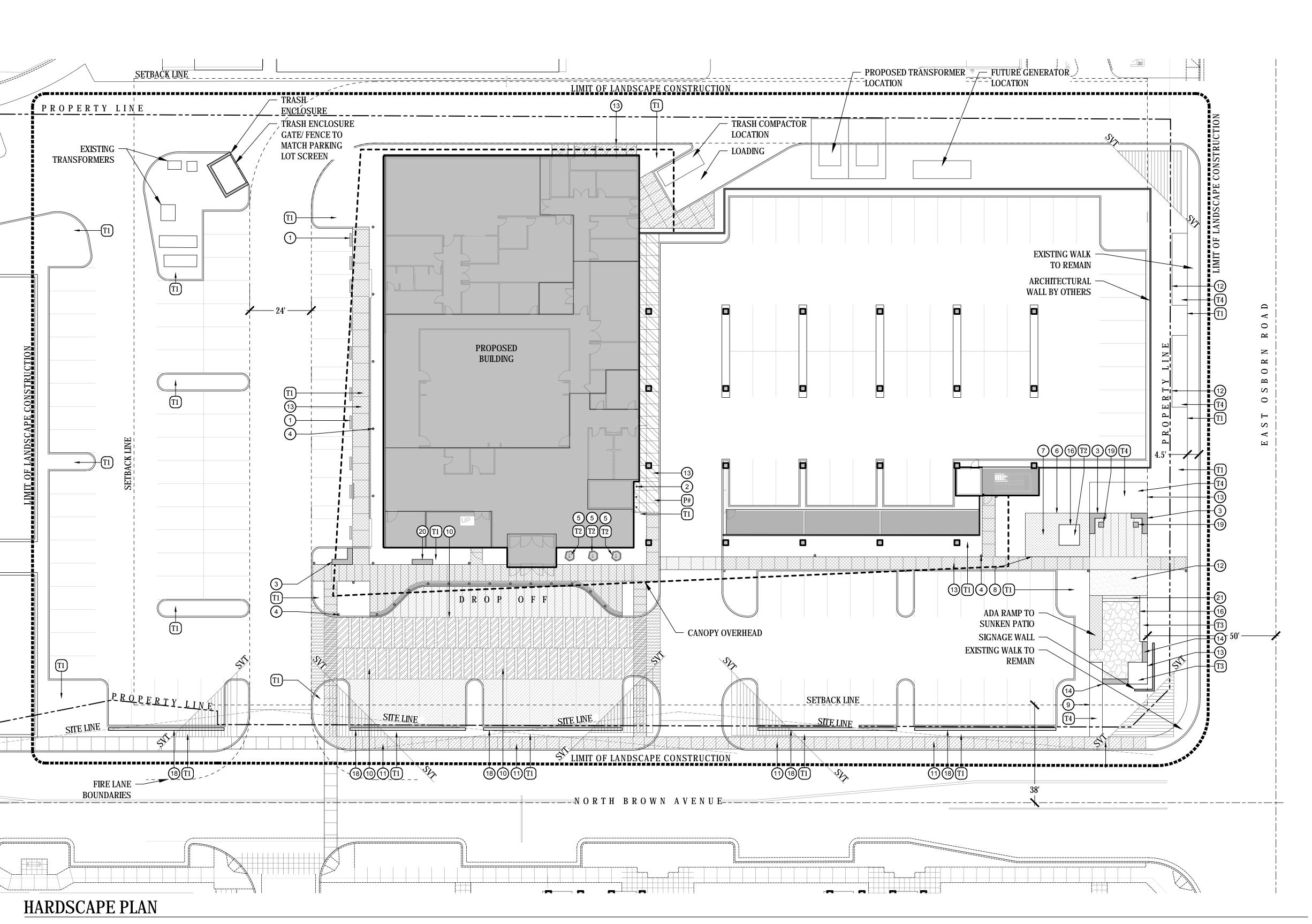
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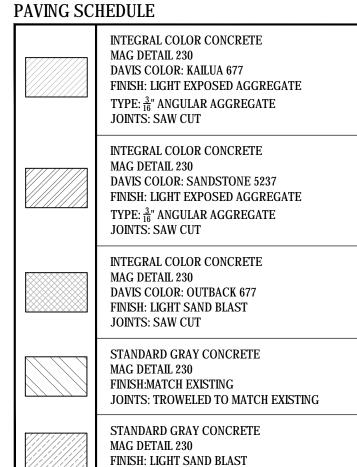
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HARDSCAPE DETAILS

LSPL: ### LSAL: ### LSIN: ### KIVA: ### SDEV: ### PAPP: ### PRLM: ### Q.S: ### APN: ### ZONING CASE #: ### OVERLAY: ###







(1) WHEEL STOP DETAIL - SEE DETAIL 1/LA-201

JOINTS: SAW CUT

- (2) BIKE RACK SEE DETAIL 2/LA-201
- 3 L-SHAPED BENCH SEE DETAIL 3/LA-201
- 4 LIGHT BOLLARD SEE DETAIL 1/LA-202
- 5 LANDSCAPE CONTAINER SEE DETAIL 2/LA-202
- 6 STEEL EDGER AT TURF SEE DETAIL 3/LA-202
- 7 ARTIFICIAL TURF SEE DETAIL 4/LA-202
- (8) ARTIFICIAL TURF AT CONCRETE -SEE DETAIL 5/LA-202
- 9 STEEL EDGE SEE DETAIL 6/LA-202
- (10) CONCRETE PAVING VEHICULAR SECTION SEE DETAIL 1/LA-203
- (11) CONCRETE PAVING PEDESTRIAN SECTION SEE **DETAIL 2/LA-203**
- (12) STABILIZED DG LANDING SEE DETAIL 3/LA-203
- (13) STEEL PLANTER SEE DETAIL 4/LA-203
- (14) FLOATING CONCRETE BENCH SEE DETAIL
- (15) SUNKEN PATIO SECTION SEE DETAIL 1/LA-204
- 16 SUNKEN PATIO SECTION SEE DETAIL 2/LA-204
- (17) TYPICAL VEHICULAR ENTRY SEE DETAIL 3/LA-204
- (18) FREE STANDING CMU WALL SEE DETAIL 1/LA-205
- (19) CAST IN PLACE TABLE SEE DETAIL 3/LA-205
- (20) CONCRETE BENCH SEE DETAIL 1/LA-206
- (21) METAL STEP AT SUNKEN PATIO SECTION
- SEE DETAIL 2/LA-206

TOPDRESS SCHEDULE

- TYPE 1 DECOMPOSED GRANITE SIZE: $\frac{1}{2}$ " SCREENED @ 2" MIN. DEPTH COLOR: TABLE MESA BROWN SOURCE: PIONEER SAND ALL LANDSCAPE AREAS
- TYPE 2 WHITE QUARTZ ROCK SIZE: 1" SCREENED @ 2" MIN. DEPTH SOURCE: PIONEER SAND
- TYPE 3 BROWN BEACH PEBBLE SIZE: 1" @ 2" MIN DEPTH COLOR: BROWN SOURCE: PIONEER SAND
- TYPE 4 RIP RAP SIZE: 3" SCREENED **COLOR: TABLE MESA BROWN** SOURCE: PIONEER SAND

1. CONTRACTOR TO PROVIDE SAMPLES OF ALL TOPDRESS MATERIALS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

> LSPL: ### LSAL: ### LSIN: ### KIVA: ### SDEV: ### PAPP: ### PRLM: ### Q.S: ### APN: ### ZONING CASE #: ### OVERLAY: ###





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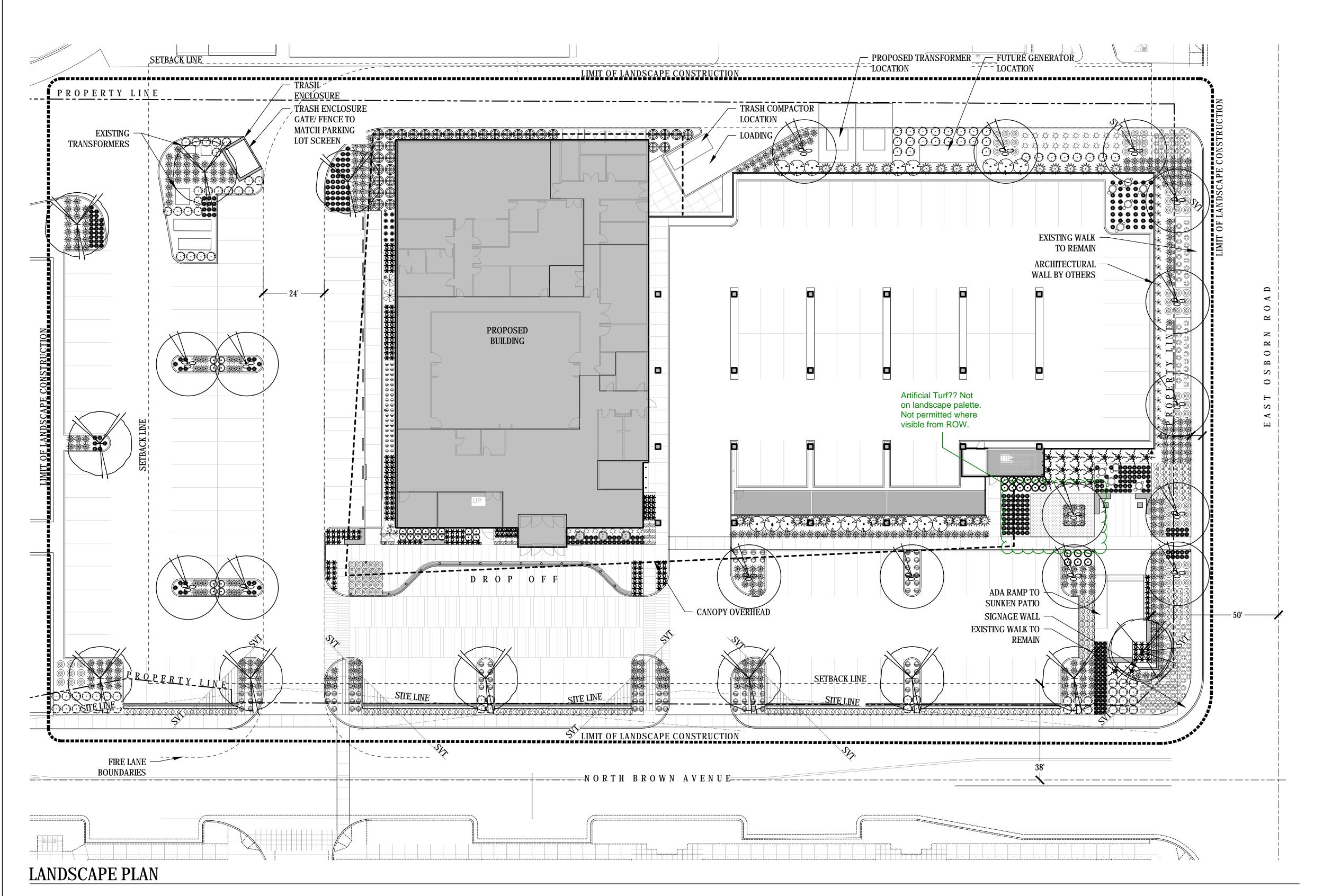
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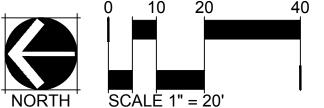
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HARDSCAPE PLAN

LA-101







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LANDSCAPE

PLAN

JOB NUMBER:

PRLM: ### Q.S: ### APN: ### ZONING CASE #: ### OVERLAY: ### Contact Arizona 811 at least two full working days before you begin excavation

Call 811 or click Arizona811.com

LSPL: ###

LSAL: ###

LSIN: ### KIVA: ###

SDEV: ### PAPP: ### LANDSCAPE CONTAINER SCHEDULE - STREET LEVEL

SYM. PRODUCT MANUFACTURER CONTACT

ARRIS SERIES MODEL: QR-AR-4224P DAVIS COLOR:

QCP CORP (866)703.3434

BEACH PEBBLE

NOTES:

- 1. INSTALL PER MANUFACTURER'S SPECIFICATIONS / INSTRUCTIONS.
- 2. ALL CONTAINERS ARE TO BE IRRIGATED

AGENT WHITE

- 3. SEE LANDSCAPE CONTAINER PLANT LEGEND FOR ALL PLANT MATERIAL (LA-100B)
- 4. ALL LANDSCAPE CONTAINERS TO BE PRE-DRILLED WITH TWO (2) 1" DIA. HOLES FOR ELECTRIC, IRRIGATION AND DRAINAGE BY MANUFACTURER

	CONTAINER I	PLANT SCHEDULE -	AMENITY DECK
--	-------------	------------------	--------------

SYM.	BOTANICAL NAME COMMON NAME	SIZE	QTY.
IC-5	Aloe 'Blue Elf Blue Elf Aloe	5 GAL	1/ POT
	Lophocereus schottii var. monstrose Totem Pole Cactus	15 GAL 24" TALL	1/ POT
	Portulacaria afra Elephant's Food	1 GAL	3/ POT

NOTES:

- 1. ALL PLANTS REQUIRE APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL CONTAINERS LABELED B AND C ARE TO BE IRRIGATED.
 CONTAINER D TO BE WATERED BY MAINTENANCE STAFF.
- 4. CONTAINER SOIL TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. SEE SPECS.
- 5. PLANT QUANTITIES ARE PER CONTAINER.
- 6. PLANT QUANTITIES ARE FOR CONTAINERS ONLY.
- 7. PLANT QUANTITIES DO NOT REFLECT TOTAL QUANTITIES IN THE
 - PLANT SCHEDULE.

TOPDRESS SCHEDULE

ALL LANDSCAPE AREAS

TYPE 1 - DECOMPOSED GRANITE

SIZE: ½" SCREENED @ 2" MIN. DEPTH

COLOR: TABLE MESA BROWN

SOURCE: PIONEER SAND

T-2 TYPE 2 - WHITE QUARTZ ROCK SIZE: 1" SCREENED @ 2" MIN. DEPTH SOURCE: PIONEER SAND

TYPE 3 - BROWN BEACH PEBBLE

SIZE: 1" @ 2" MIN DEPTH

COLOR: BROWN

SOURCE: PIONEER SAND

TYPE 4 - RIP RAP
SIZE: 3" SCREENED
COLOR: TABLE MESA BROWN
SOURCE: PIONEER SAND

NOTES:

1. CONTRACTOR TO PROVIDE SAMPLES OF ALL TOPDRESS MATERIALS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

PLANT SCHEDULE- GROUND LEVEL

TREES

BOTANICAL NAME

COMMON NAME

SIZE

CALIPER

BRANCHING | HT & W

QTY

Γ Γ		Parkinsonia x 'Desert Museum' Desert Museum Palo Verde	MULTI	10' X 8" 3" CAL MIN	9
Γ		<i>Prosopis x Phoenix</i> Rio Salado Mesquite	MULTI	12' X 10" 3" CAL MIN	17
		<i>Olneya tesota</i> Desert Ironwood	MULTI	12' X 10" 3" CAL MIN	1
.	SHRUBS		I		
		<i>Bougainvillea 'Baby Mia'</i> Baby Mia Bougainvillea	5 GAL.		17
Е	\bigcirc	<i>Ericameria laricifolia</i> Turpentine Bush	5 GAL.		191
	2 + 3 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	<i>Leucophyllum langmaniae</i> Rio Bravo Sage	5 GAL.		87
		<i>Ruellia peninsularis</i> Desert Ruellia	5 GAL.		32
	And the state of t	Ruellia brittoniana Purple Ruellia			46
	ACCENTS				
		<i>Agave attenuata</i> Fox Tail Agave	5 GAL.		90
	*	Aloe barbadensis Aloe Vera	5 GAL.		166
	O	Carnegiea gigantea - Spear Saguaro	9'-0" TALL		9
		Cycas revoluta Sago Palm	24" BOX		2
		<i>Dietes Bicolor</i> Bicolor Iris	5 GAL.		8
	*	Echinocactus grusonii Golden Barrel Cactus	5 GAL. 10" DIA.		326
		Ericameria laricifolia Turpentine Bush	5 GAL.		182
	75	Fouquieria splendens Ocotillo	6-8 CANES 24" BOX		19
		Hesperaloe funifera Giant Yucca	15 GAL.		30
	\	Hesperaloe parviflora Red Yucca	5 GAL.		29
	*	Muhlenbergia rigens Deer Grass	5 GAL.		398
	*	<i>Nolia microcarpa</i> Beargrass	15 GAL.		3
	*	<i>Optunia ficus indica</i> Sweet Prickly Pear	15 GAL.		31
		Sanseveria trifaciata Snake Plant	5 GAL.		10
		<i>Tetraneuris acaulis</i> Angelita daisy	1 GAL.		130
	GROUNDCOVERS AND VINES				
		Macfadyena unguis-cati Cat's Claw	1 GAL.		1
		Lantana x 'New Gold' New Gold Lantana	1 GAL.		77
	<i>₩</i>	Setcreasea pallida Purple Heart	1 GAL.		51
		<i>Wedelia trilobata</i> Yellow Dot	1 GAL.		7

NOTES:

1. THORNY TREES, SHRUBS AND CACTI SHALL BE PLANTED SO THAT THEIR MATURE SIZE/CANOPY WILL BE AT LEAST 4 FEET AWAY FROM ANY WALKWAYS OR PARKING AREA CURBING.

2. ALL LANDSCAPE MATERIAL WITHIN SIGHT VISIBILITY TRIANGLES SHALL BE MAINTAINED TO NOT EXCEED 24" IN HEIGHT AT MATURITY, WITHIN SVTS. ALL TREES WITHIN THE SVT ARE NOT TO EXCEED 1' IN ITS GREATEST CROSS-SECTIONAL DIMENSION BETWEEN A HEIGHT OF 3' AND A HEIGHT OF 10' ABOVE THE GRADE - AS PER CITY OF SCOTTSDALE REQUIMENTS.

3. LOCATION OF TREE TRUNKS WILL BE AT LEAST 20' AWAY FROM STREET LIGHT POLES.

LSPL: ###
LSAL: ###
LSIN: ###
KIVA: ###
SDEV: ###
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ZONING CASE #: ###





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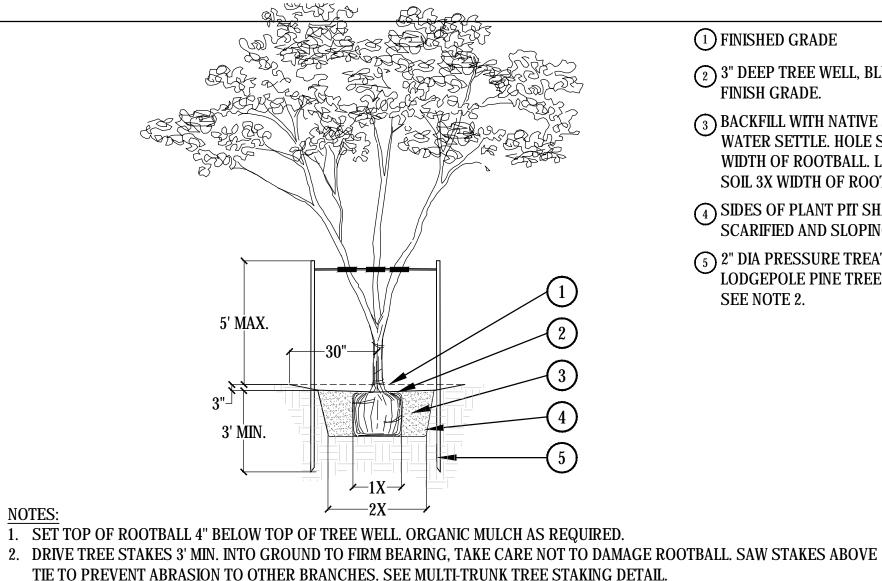
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PLAN

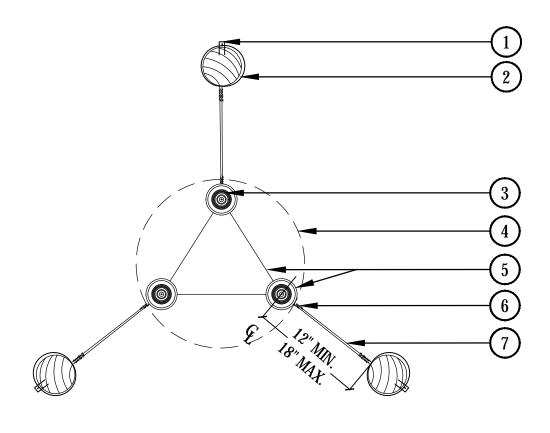
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(1) FINISHED GRADE

- (2) 3" DEEP TREE WELL, BLEND TO FINISH GRADE.
- 3 BACKFILL WITH NATIVE SOIL WATER SETTLE. HOLE SIZE: 2X WIDTH OF ROOTBALL. LOOSEN SOIL 3X WIDTH OF ROOTBALL.
- 4 SIDES OF PLANT PIT SHALL BE SCARIFIED AND SLOPING.
- ⁽⁵⁾ 2" DIA PRESSURE TREATED 8'-0" LODGEPOLE PINE TREE STAKES. SEE NOTE 2.



1 BEND TWISTED WIRES DOWN AND STAPLE TO STAKE

- 2) PRESSURE TREATED 2" DIA. 8"-0" LODGEPOLE PINE
- 3 TREE STEM
- 4 ROOT BALL
- TWO STRAND 12 GA. GALV. WIRE IN 3/4" DIA. VINYL TWO-PLY FABRIC-BEARING HOSE 6"-8" DIA. KEEP ROUND TO ENSURE ALLOWANCE FOR NATURAL SWAY DO NOT CONSTRICT TRUNK
- 6 TWIST WIRE MIN. 4 TIMES AT ALL LOCATIONS SHOWN
- 7 ONE CONTINUOUS PIECE #12 GALVANIZED ANNEALED NEW STEEL WIRE EACH SIDE

3. INSTALL BERM ON DOWNSIDE OF SLOPES FOR TREES ON GRADE OF 5:1 OR GREATER.

MULTI-TRUNK TREE PLANTING

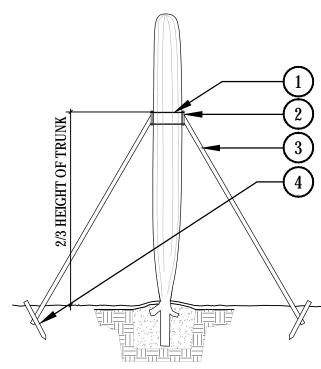
SCALE: 3/16" = 1'-0"

- SECURE WITH ROPE AROUND ALL SAGUARO OVER 4" PLANTED HEIGHT MUST BE
- ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS. ENSURE ALL WOUNDS TO ROOT SYSTEM ARE CLEAN
- CUT BEFORE PLANTING. APPLY DUSTING SULFUR TO ALL AREAS BELOW
- PLANT PIT TO BE 6" MIN. WIDER THAN EXTENT OF SEVERED LATERAL ROOTS.
- CUT THROUGH TAP ROOT TO PROVIDE FLAT BASE W/DIA. SUFFICIENT TO SUPPORT WEIGHT OF PLANT W/O SINKAGE.
- BACKFILL PIT WITH 6" LAYER OF RODDED, COMPACTED, DRY NATIVE SOIL.
- PLANTING DEPTH TO BE AT DEPTH PLANT WAS ORIGINALLY GROWN.
- ENSURE SURFACE WATER CANNOT STAND AGAINST THE ROOT COLLAR.
- 10. ALL SAGUARO PLACEMENTS MUST MATCH ORIGINAL ORIENTATION W/ ORIGINAL NORTH SIDE FACING NORTH. NORTHSIDE OF PLANTS TO BE MARKED BY THE NURSERY.
- 1. SAGUARO ARE SPECIFIED BY HEIGHT. A VARIETY OF HEIGHTS MAY BE ACCEPTABLE PROVIDED THE AVERAGE IS NOT LESS THAN THAT SPECIFIED.

SAGUARO STAKING

PRICKLY PEAR PLANTING

12. DO NOT WATER FOR THREE WEEKS FOLLOWING PLANTING.



-BRACING

— SAGUARO

- ROPE

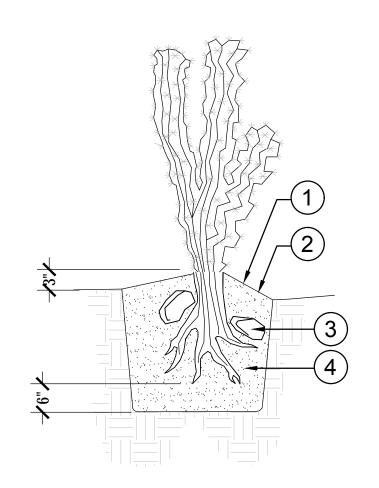
- WOOD GUIDE

GUIDES - ROPE MUST NOT CONSTRICT TRUNK OR DAMAGE

2"X4"X1' WOOD GUIDE WITH CARPET AGAINST TRUNK

(3) 2"X4' BRACE - 3 PER TRUNK

4 STAKE TO BE NAILED TO BRACE



MULTI-TRUNK TREE STAKING

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

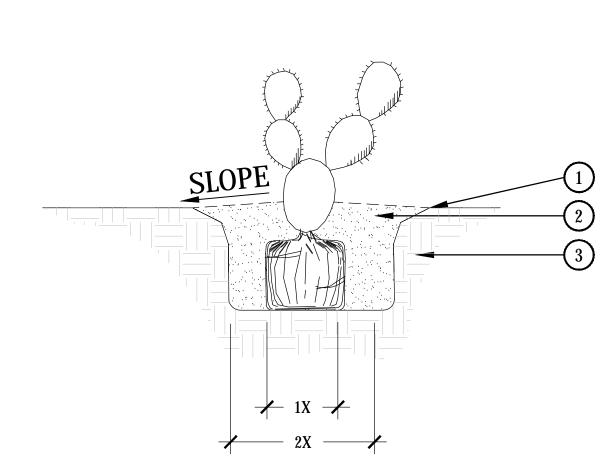
- PLANTING MIX TO BE NATIVE SITE SOIL. PACK THE BACKFILL MIX, DO NOT USE WATER TO SETTLE BACKFILL MIX.
- (2) PLANTING HOLE WIDTH SHALL BE 2X THE DIAMETER OF ROOTS AND NO DEEPER THAN THE EXTENSION OF THE ROOTS.
- USE 6"-8" ROCKS TO ANCHOR ROOTS.
- ROOT PRUNE ALL SHREDDED OR DAMAGES TO ROOTS AND DUST ENTIRE ROOT STRUCTURE WITH WETTABLE SULPHUR (1.5 MIN.) AT PLANTING SITE.
- 1. USE NATIVE SOIL ONLY IN PIT. NO MULCH
- 2. DO NOT CREATE BASIN AT BASE OF CACTUS. SLOPE BACKFILL
- AWAY FROM PLANT. 3. WATER WEEKLY THROUGHOUT THE SUMMER. MAINTAIN ORIGINAL GROWING

ORIENTATION.

COLUMNAR CACTUS PLANTING

SCALE: NTS

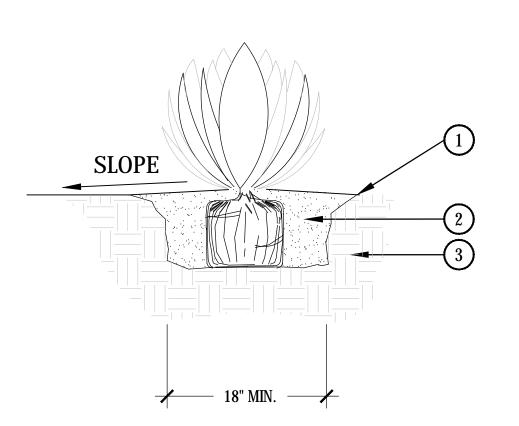
- 1 FINISH GRADE
- (2) BACKFILL NATIVE SOIL, THOROUGHLY INCORPORATE.25LBS. OF SOIL SULFUR INTO BACKFILL. WATER SETTLE AND TAMP BACKFILL BELOW ROOT SYSTEM.
- 3 UNDISTURBED SUBGRADE
- 1. DO NOT CREATE BASIN AT BASE OF ACCENT. SLOPE BACKFILL AWAY FROM PLANT.
- 2. USE DRY SITE SOIL ONLY IN PIT -NO MULCH





- BACKFILL WITH NATIVE SOIL. HOLE SIZE: 2X WIDTH OF ROOTBALL. LOOSEN SOIL 3X WIDTH OF ROOTBALL. WATER **SETTLE**
- 3 UNDISTURBED SUBGRADE
- 1. BROKEN OR CRUMBLING ROOT-BALLS WILL BE REJECTED
- 2. CARE SHOULD BE TAKEN NOT TO DAMAGE THE ROOTBALL WHEN REMOVING IT FROM ITS CONTAINER
- 3. DO NOT CREATE BASIN AT BASE OF ACCENT. SLOPE BACKFILL AWAY FROM PLANT.

SCALE: NTS



ACCENT/ SUCCULENT PLANTING

SCALE: NTS

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AUTHORITY HAVING JURISDICTION:

AUTHORITY HAVING JURISDICTION'S PROJECT

FACILITY NUMBER:

AGENCY APPROVALS:

REVISIONS DESCRIPTION

02/20/19 SCALE: As indicated DRAWN: REVIEWED: JDT

LANDSCAPE DETAILS

JOB NUMBER:



ZONING CASE #: ###

OVERLAY: ###

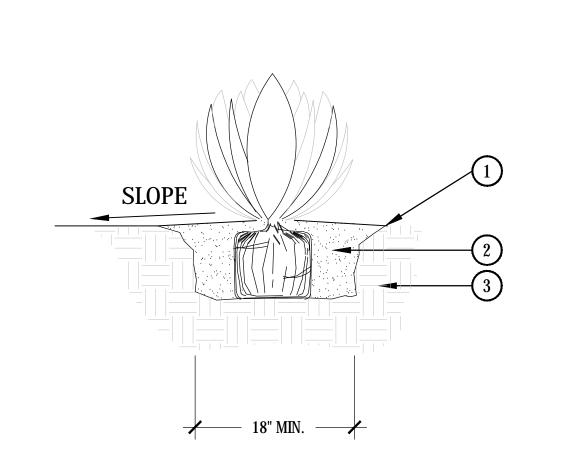
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LSIN: ### KIVA: ###

SDEV: ### PAPP: ###

PRLM: ### Q.S: ### APN: ###



(2) BACKFILL NATIVE SOIL, THOROUGHLY INCORPORATE.25LBS. OF SOIL

SULFUR INTO BACKFILL. WATER SETTLE AND TAMP BACKFILL BELOW ROOT SYSTEM.

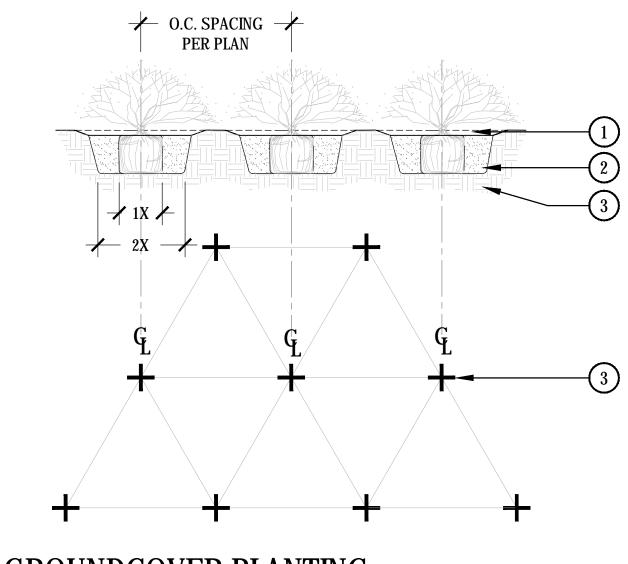
3 UNDISTURBED SUBGRADE

NOTES:

1 FINISH GRADE

1. DO NOT CREATE BASIN AT BASE OF ACCENT. SLOPE BACKFILL AWAY FROM PLANT.

2. USE DRY SITE SOIL ONLY IN PIT --NO MULCH



MULCH SOIL TO A DEPTH OF 2", 1" IN DIAMETER. KEEP MULCH 2" AWAY FROM PLANT BASE.

2 BACKFILL WITH NATIVE SOIL. APPLY SLOW-RELEASE FERTILIZER TO SURFACE AWAY FROM TRUNK PER MANUFACTURER'S SPECIFICATIONS.

3 PREPARE SOIL PER SPECIFICATIONS AND ROTATILL TO A DEPTH OF 6" PRIOR TO ANY SPRINKLER WORK.

I. ALL GROUND COVERS TO BE PLANTED ON CENTER (SEE PLANT LEGENDO IN A TRIANGULAR

PATTERN.

ACCENT/ SUCCULENT PLANTING

SURFACE SELECT BOULDERS RELOCATED FROM ON-SITE OR FROM NEARBY QUARRY, BOULDER SHOULD BE SIMILAR TO ROCK FOUND THROUGHOUT SITE. CONTRACTOR SHALL SUBMIT SMALL SAMPLE OR PHOTOS FOR APPROVAL.

SCALE: NTS

(2) TOPDRESS PER PLANS - SEE TOPDRESS SCHEDULE.

3 AMENDED TOPSOIL

PARTIALLY BURY BOULDER FOR NATURAL APPEARANCE

1. REFER TO PLANS FOR LOCATIONS.

SCALE: 3/4" = 1'-0"



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

1 FINISHED GRADE NATIVE SOIL, THOROUGHLY INCORPORATE 0.25 LBS. OF SOIL SULFUR INTO BACKFILL. WATER SETTLE AND TAMP BACKFILL BELOW ROOT SYSTEM.

3 UNDISTURBED SUBGRADE

NOTES: 1. PLANT PIT TO BE 6" DEEPER THAN FREE EXTENSION OF

ROOTS. 2. ROOT PRUNE ALL DAMAGED ROOTS. INSPECTION OF ROOT SYSTEM BY LANDSCAPE ARCHITECT REQUIRED PRIOR TO

INSTALLATION. 3. USE NATIVE SOIL ONLY IN PIT --

NO MULCH 4. DO NOT CREATE BASIN AT BASE OF CACTUS. SLOPE BACKFILL AWAY FROM PLANT.

5. AT SITE, DUST ENTIRE ROOT STRUCTURE WITH WETTABLE DUSTING SULFUR. (1.5 LBS. MIN.)

BOULDER -FREE STANDING



SYSTEM.

1. ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS. SEAL ALL WOUNDS OR CUTS WITH PRUNING

TAMP BACKFILL BELOW ROOT

2. AT JOB SITE, DUST ENTIRE ROOT STRUCTURE WITH WETTABLE DUSTING SULFUR. 3. PLANTING DEPTH TO BE THAT AT

WHICH PLANT WAS GROWN. 4. USE NATIVE SITE SOIL ONLY IN PIT --NO MULCH

5. DO NOT CREATE BASIN AT BASE OF OCOTILLO. SLOPE BACKFILL AWAY FROM PLANT.

6. SET TOP OF ROOT BALL 2"-3" ABOVE GRADE. ANY BROKEN OR CRUMBLING ROOTBALL WILL BE REJECTED.



(1) 3" DEEP WELL. BLEND TO FINISHED GRADE

SCALE: NTS

BACKFILL WITH NATIVE SOIL. HOLE SIZE: 2X WIDTH OF ROOTBALL. LOOSEN SOIL 3X WIDTH OF ROOTBALL. WATER SETTLE

3 FINISH GRADE (TOP OF MULCH)

SIDES OF PLANT PIT SHALL BE SCARIFIED AND SLOPING

1. BROKEN OR CRUMBLING

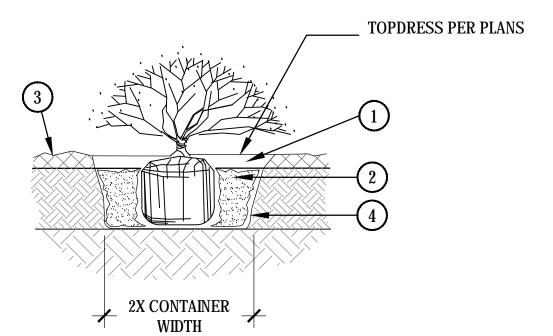
ROOT-BALLS WILL BE REJECTED 2. CARE SHOULD BE TAKEN NOT TO DAMAGE THE SHRUB OR ROOT-BALL WHEN REMOVING IT FROM ITS CONTAINER

3. DIG PLANT PIT TWICE AS WIDE AND HIGH AS THE CONTAINER

4. PRUNE ALL DEAD OR DAMAGED WOOD PRIOR TO PLANTING

SHRUB + GROUNDCOVER PLANTING

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



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LANDSCAPE

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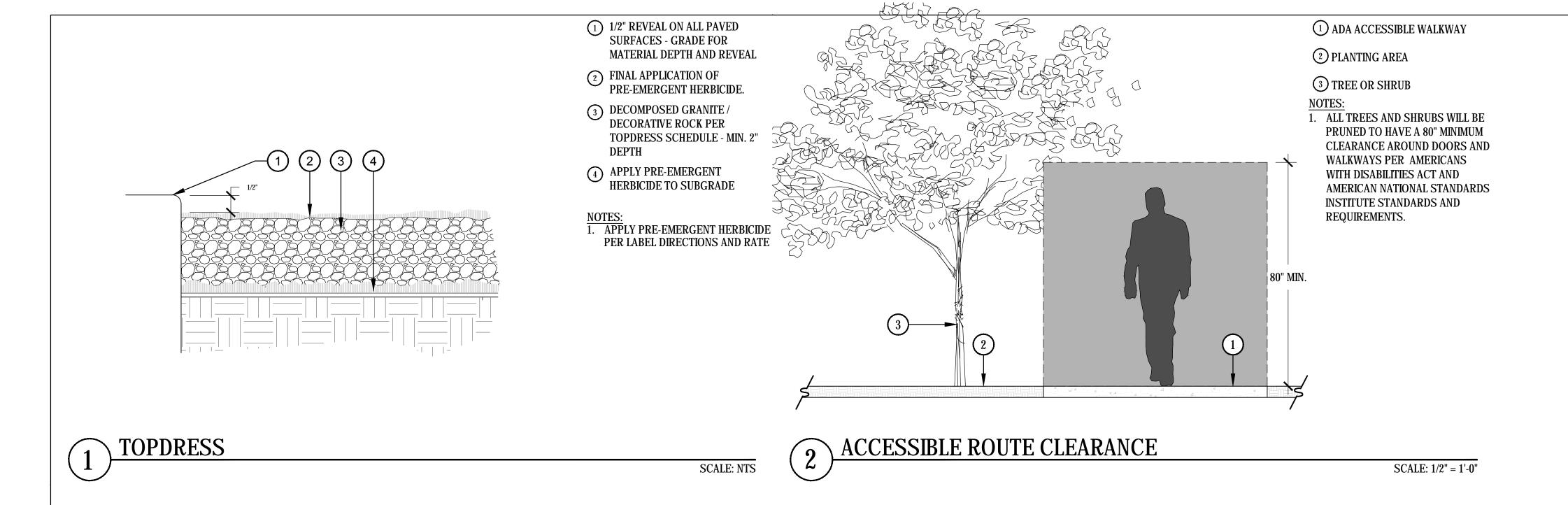
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OCOTILLO PLANTING

SCALE: NTS





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LA-403

CITY OF SCOTTSDALE GENERAL LANDSCAPE NOTES

- 1. A MINIMUM OF 50 PERCENTAGE (UNLESS OTHERWISE STIPULATED BY THE DEVELOPMENT REVIEW BOARD, AND / OR THE ZONING ORDINANCE REQUIREMENTS) OF THE PROVIDED TREES SHALL BE MATURE TREES, PURSUANT TO THE CITY OF SCOTTSDALE'S ZONING ORDINANCE ARTICLE X, SECTION 10.301, AS DEFINED IN THE CITY OF SCOTTSDALE'S ZONING ORDINANCE ARTICLE III, SECTION 3.100.
- 2. A SINGLE TRUNK TREE'S CALIPER SIZE, THAT IS TO BE EQUAL TO OR LESS THAN 4-INCHES. SHALL BE DETERMINED BY UTILIZING THE SMALLEST DIAMETER OF THE TRUNK 6-INCHES ABOVE FINISHED GRADE ADJACENT TO THE TRUNK. A TREE'S CALIPER SIZE, FOR SINGLE TRUNK TREES THAT ARE TO HAVE A DIAMETER GREATER THAN 4-INCHES, SHALL BE DETERMINED BY UTILIZING THE SMALLEST DIAMETER OF THE TRUNK 12-INCHES ABOVE FINISHED GRADE ADJACENT TO THE TRUNK. A MULTIPLE TRUNK TREE'S CALIPER SIZE IS MEASURED AT 6" ABOVE THE LOCATION THAT THE TRUNK SPLITS ORIGINATES, OR 6" ABOVE FINISHED GRADE IF ALL TRUNKS ORIGINATE FROM THE SOIL.
- AREA WITHIN THE SIGHT DISTANCE TRIANGLES IS TO BE CLEAR OF LANDSCAPING, SIGNS, OR OTHER VISIBILITY OBSTRUCTIONS WITH A HEIGHT GREATER THAT 1.5 FEET. TREES WITHIN THE SIGHT TRIANGLE SHALL HAVE A SINGLE TRUNK AND A CANOPY THAT BEGINS AT 7 FEET IN HEIGHT UPON INSTALLATION. ALL HEIGHTS ARE MEASURED FROM NEAREST STREET LINE ELEVATION.
- NO TURF AREAS ARE TO BE PROVIDED.
- RETENTION/DETENTION BASINS SHALL BE CONSTRUCTED SOLELY FROM THE APPROVED CIVIL PLANS. ANY ALTERATION OF THE

- APPROVED DESIGN (ADDITIONAL FILL, BOULDERS, ETC.) SHALL REQUIRE ADDITIONAL FINAL PLANS STAFF REVIEW AND APPROVAL
- ALL RIGHTS-OF-WAY ADJACENT TO THIS PROPERTY SHALL BE LANDSCAPE AND MAINTAINED BY THE PROPERTY OWNER.
- PRIOR TO THE ESTABLISHMENT OF WATER SERVICE, NON-RESIDENTIAL PROJECTS WITH AN ESTIMATED ANNUAL WATER DEMAND OF TEN (10) ACRE-FEET OR MORE SHALL SUBMIT A CONSERVATION PLAN IN CONFORMANCE WITH SECTIONS 49-245 THROUGH 49-248 OF THE CITY CODE TO THE WATER CONSERVATION OFFICE. 8. NO LIGHTING IS APPROVED WITH THE
- SUBMITTAL. THE APPROVAL OF THESE PLANS RECOGNIZE
- THE CONSTRUCTION OF A LOW VOLTAGE SYSTEM AND DOES NOT AUTHORIZE ANY VIOLATION OF THE CURRENT CITY OF SCOTTSDALE ADOPTED ELECTRICAL CODE.
- 10. THE LANDSCAPE SPECIFICATION SECTIONS OF THESE PLANS HAVE NOT BEEN REVIEWED AND SHALL NOT BE PART OF THE CITY OF SCOTTSDALE'S APPROVAL.
- 11. ALL SIGNS REQUIRE SEPARATE PERMITS AND APPROVALS.
- 12. NEW LANDSCAPING. INCLUDING SALVAGED PLANT MATERIAL, AND LANDSCAPING INDICATED TO REMAIN, WHICH IS DESTROYED, DAMAGED. OR EXPIRES DURING CONSTRUCTION SHALL BI REPLACED WITH LIKE SIZE, KIND, AND QUANTITY PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY / LETTER OF ACCEPTANCE TO THE SATISFACTION OF THE INSPECTION SERVICES STAFF.

LANDSCAPE GENERAL NOTES (NOT APPROVED BY CITY)

- CONTRACTOR TO OBTAIN PERMITS FROM LOCAL AGENCIES AND UTILITY COMPANIES HAVING JURISDICTION OVER THIS SITE.
- CONTRACTOR TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO ANY INSTALLATION.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL THE WORK INDICATED ON THE LANDSCAPE DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAREFUL SITE INSPECTION, DETAILED REVIEW OF THE PLANS, COORDINATION WITH OTHER CONTRACTORS
- ON-SITE PRIOR TO ANY INSTALLATION. ANY DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
- 4. PRIOR TO INITIATING THESE LANDSCAPE IMPROVEMENTS, THE LANDSCAPE CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION MEETING ON-SITE WITH THE APPROVAL OF THE OWNER AND THE GENERAL CONTRACTOR. THE OWNER'S REPRESENTATIVE AND/OR THE PROJECT LANDSCAPE ARCHITECT MUST BE PRESENT. THE PURPOSE OF THIS MEETING IS TO RESOLVE ANY EXISTING SITE CONDITIONS THAT MAY BE IN CONFLICT WITH THESE LANDSCAPE CONSTRUCTION DOCUMENTS AND THEREFORE IMPACT THE INSTALLATION OF ANY OF THESE PROPOSED IMPROVEMENTS. THIS FIRST MEETING SHOULD BE SCHEDULED TO OCCUR AFTER THE COMPLETION OF ON-SITE AND OFF-SITE IMPROVEMENTS INCLUDING: ALL UNDERGROUND UTILITIES, MASS GRADING, AND
- STREET IMPROVEMENTS. DAMAGE TO EXISTING LANDSCAPING, UNDERGROUND UTILITIES, IRRIGATION LINES, ELECTRICAL LINES, ETC. SHALL BE REPAIRED AT CONTRACTORS EXPENSE.
- 6. ANY DISCREPANCIES FOUND BETWEEN THE PLANS AND THE SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE
- LANDSCAPE ARCHITECT. 7. ALL QUANTITIES PROVIDED ARE FOR BIDDING PURPOSES ONLY. LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADES IN LANDSCAPED AREAS. THE CONTRACTOR SHALL DETERMINE, WITH THE GENERAL CONTRACTOR, THE EXTENT OF ROUGH GRADING AND/OR FINE GRADING TO BE ESTABLISHED BY OTHERS.
- 9. ALL GRADING AND DRAINAGE SHALL BE IN ACCORDANCE WITH THE PLANS PREPARED BY THE PROJECT CIVIL ENGINEER, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. PROVIDE POSITIVE DRAINAGE AWAY FROM THE

- BUILDING(S) IN ALL CONDITIONS. CONTRACTOR TO MEET ALL EXISTING GRADES AT PROJECT BOUNDARIES. ROUGH GRADE SHALL BE 3" BELOW THE TOP OF ADJACENT WALKS AND CURBS PRIOR TO RECEIVING DECOMPOSED **GRANITE**
- 10. ADJACENT UNDISTURBED AREAS DAMAGED OR DISTURBED ARE TO BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S **EXPENSE**
- 11. CONTRACTOR SHALL FINE GRADE ENTIRE LANDSCAPED AREA AS REQUIRED FOR INSTALLATION OF PLANTING. ALL GRADES SHALL BE NEAT, RAKED SMOOTH AND BE FREE OF DEBRIS PRIOR TO SUBSTANTIAL COMPLETION.
- 12. PRIOR TO SPREADING MATERIAL GROUNDCOVERS, ADJUST AND COMPACT FINISH GRADES, APPLY WEED PRE-EMERGENT SURFLAN AS PER MANUFACTURER'S INSTRUCTIONS. THEN SPREAD DECOMPOSED GRANITE, RIVER RUN, OR MULCH AS INDICATED ON PLANS. DECOMPOSED GRANITE SHALL BE WATER SETTLED MINIMUM DEPTH OF 2". PROVIDE A SECOND APPLICATION OF THE PRE-EMERGENT SURFLAN AT THE END OF THE MAINTENANCE PERIOD
- 13. ALL LANDSCAPED AREAS SHALL RECEIVE A 2" TOP DRESSING OF DECOMPOSED GRANITE AS SPECIFIED IN THE TOPDRESS SCHEDULE. PROVIDE SAMPLE OF SIZE AND COLOR FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO DELIVERY.
- 14. STAKE LOCATIONS OF ALL TREES FOR APPROVAL PRIOR TO INSTALLATION OF ANY PLANT MATERIAL
- 15. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED (WHEN IN-LEAF) AS IS TYPICAL FOR THE SPECIES. THEY SHALL HAVE HEALTHY, WELL DEVELOPED ROOT SYSTEMS (NOT POT BOUND), A NORMAL HABIT OF GROWTH CONSISTENT WITH INDUSTRY STANDARDS, AND FREE OF ANY BRUISES, CUTS, OR OTHER ABNORMALITIES. PLANT MATERIAL SHALL BE SIZED IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN, AND THE ARIZONA NURSERYMAN ASSOCIATION
- STANDARDS. 16. ALL RIGHT-OF-WAY PLANT MATERIAL MUST BE IN COMPLIANCE WITH THE DEPARTMENT OF WATER RESOURCES LOW WATER USE PLANT
- 17. BACKFILL MIXTURES, EXCEPT AS NOTED, TO BE COMPRISED OF 75% NATIVE SOIL AND 25% DECOMPOSED GRANULAR BARK MULCH AND 2 LBS. DISPERSAL PER CUBIC YARD OF BACKFILL 18. ADD AGRI-FORM FERTILIZER TABLETS AT THE

FOLLOWING RATES:

- 1 GALLON PLANT 1 TABLET 15 GALLON PLANT - 4 TABLETS 5 GALLON PLANT - 2 TABLET BOXED TREE - 6 TABLETS (MIN.) TABLETS TO BE PLACED NO DEEPER THAN 6' BELOW SOIL SURFACE.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON PLANTING PLAN. DO NOT SUBSTITUTE PLANTS BY TYPE OR QUANTITY WITHOUT WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.
- 20. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY SELECTION OF PLANT MATERIAL THAT DOES NOT SATISFY THE INTENT OF THE LANDSCAPE DESIGN BASED ON SIZE, SHAPE, EVIDENCE OF STRESS OR IMPROPER
- 21. PRIOR TO INITIATING THE 90-DAY MAINTENANCE PERIOD, COMPLETE ANY INITIAL PUNCH LIST ITEMS, THEN OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE OF SUBSTANTIAL COMPLETION. DETERMINE WITH OWNER'S REPRESENTATIVE THE START DATE FOR THE 90-DAY MAINTENANCE PERIOD. CONTRACTOR TO THEN MAINTAIN LANDSCAPE WHICH MAY INCLUDE WATERING, WEEDING, PRUNING, AND REPLACEMENT OF ANY MATERIAL THAT HAS DIED OR IS SHOWING EVIDENCE OF STRESS. SUBMIT WRITTEN REQUEST FOR FINAL PUNCH LIST ONE WEEK PRIOR TO END OF MAINTENANCE PERIOD.
- 22. PROVIDE OWNER WITH A WRITTEN GUARANTEE OF ONE (1) YEAR FOR ALL TREES AND 90 DAYS FOR ALL PLANT MATERIAL DATED FROM START OF MAINTENANCE PERIOD AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. PROVIDE OWNER WITH WRITTEN INSTRUCTIONS OUTLINING MAINTENANCE PROCEDURES TO BE ADOPTED IN ORDER TO PROTECT GUARANTEE. INCLUDE WATERING SCHEDULE AND FERTILIZER PROGRAM. ONE (1) YEAR GUARANTEE FOR ALL TREES AND PALMS. 23. INSTALL ALL SIDEWALKS PER A.D.A.
- REQUIREMENTS. 24. A COUNTY DUST CONTROL PERMIT IS REQUIRED. THE CONTRACTOR SHALL RETAIN THIS PERMIT.

HONORHEALTH NEUROSCIENCE INSTITUTE

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CIVIL ENGINEER | WOOD PATEL

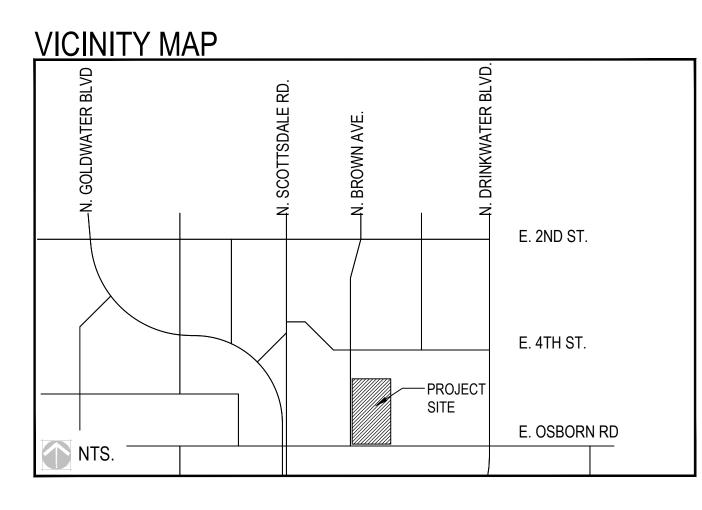
2051 WEST NORTHERN AVE., SUITE 100 PHOENIX, AZ 85021 PHONE: 602.335.8500 **CONTACT: DARIN MOORE** EMIAL: DMOORE@WOODPATEL.COM

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SHEET INDEX

<u> </u>				
SHEET#	DESCRIPTION	(04.19.19) ISSUED FOR: DESIGN REVIEW BOARD	(05.31.19) ISSUED FOR: SCHEMATIC DEVELOPMENT	(08.19.19) ISSUED FOR: DEVELOPMENT REVIEW BOARD RESUBMITTAL
L001	LANDSCAPE COVER SHEET		Χ	Х
L002	LANDSCAPE SCHEDULES		Χ	
L101	HARDSCAPE PLAN	X	Χ	X
L102	HARDSCAPE PLAN	X	Χ	X
L103	HARDSCAPE ENLARGEMENT	X	X	X
L200	HARDSCAPE DETAILS	X	X	X
L201	HARDSCAPE DETAILS	X	X	X
L202	HARDSCAPE DETAILS	X	X	X
L203	HARDSCAPE DETAILS	X	X	X
L204	HARDSCAPE DETAILS	X	X	X
L205	HARDSCAPE DETAILS HARDSCAPE DETAILS	X	X	X
L206 L207	HARDSCAPE DETAILS	X	X	X
L207	HARDSCAPE DETAILS	X	X	^
L200	HARDSCAPE DETAILS	X	X	
L301	LANDSCAPE PLAN	X	X	X
L302	LANDSCAPE PLAN	X	Χ	X
L303	LANDSCAPE ENLARGEMENT		Χ	X
L304	TOPDRESS PLAN		Χ	X
L305	TOPDRESS PLAN		Χ	X
L306	TOPDRESS ENLARGEMENT		Χ	X
L401	LANDSCAPE DETAILS	Χ	Χ	X
L402	LANDSCAPE DETAILS		Χ	X
L403	LANDSCAPE DETAILS			X
L500	IRRIGATION COVER SHEET			
L501	IRRIGATION PLAN			
L600	IRRIGATION DETAILS			
L601	IRRIGATION DETAILS		V	
L701	STREETSCAPE SECTIONS		X	X
L801	LANDSCAPE LIGHTING			X X
L802	LANDSCAPE LIGHTING			χ
L803	LANDSCAPE ENLARGEMENT PLAN			^







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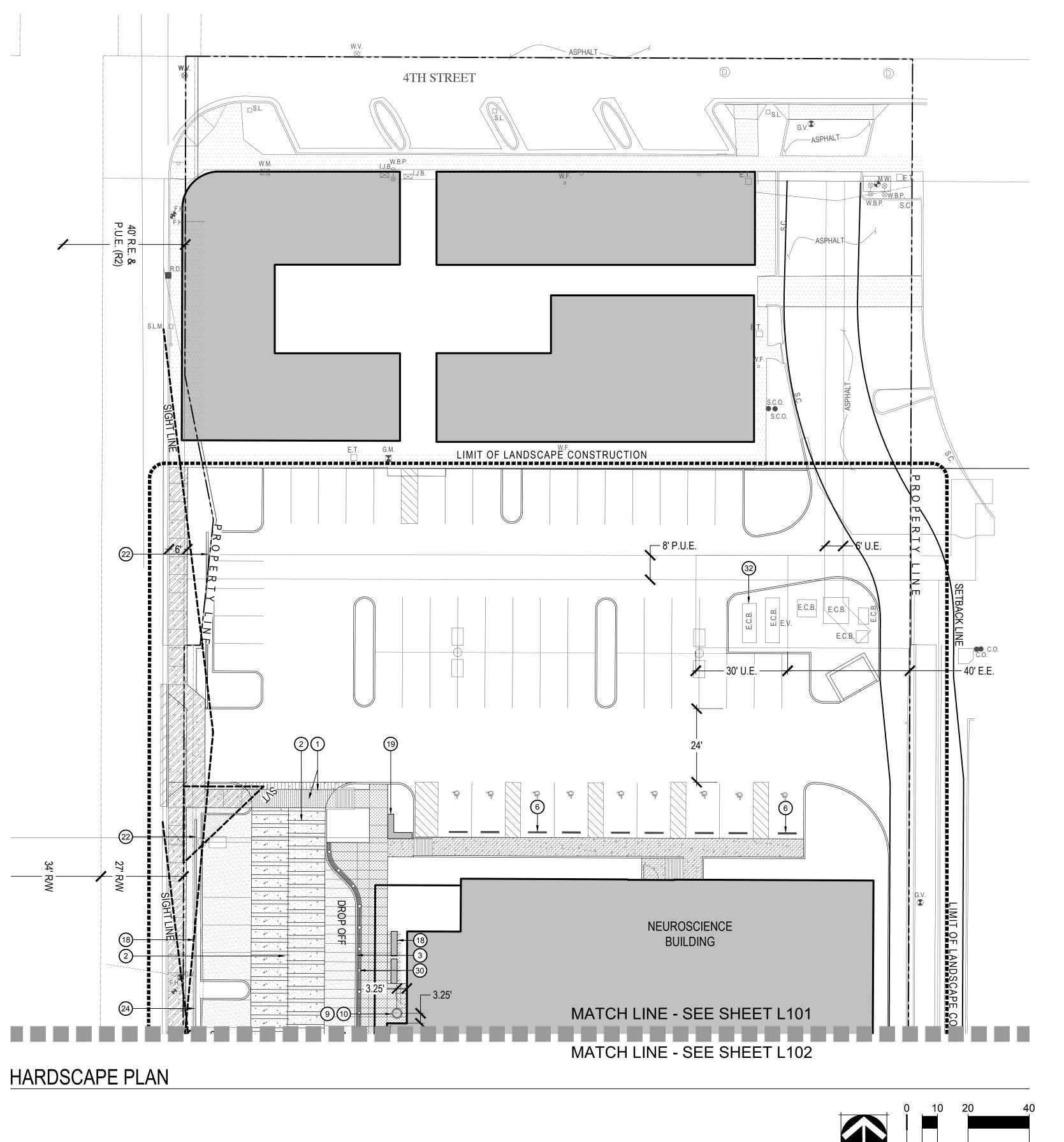
REVISIONS DESCRIPTION DATE A DRB REVIEW #1 REVISIONS

08/19/19 **SCALE** As indicated DRAWN: **REVIEWED:** ME/DP JOB NUMBER: 0017-02-0019

LANDSCAPE COVER SHEET

L001

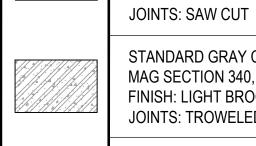
20-DR-2019 8/21/2019



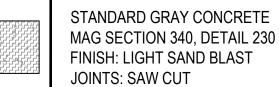
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 SEE DETAIL 1/L201
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- 3 FLUSH CURB SEE DETAIL 3/L201
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- 30 BOLLARD SEE DETAIL 2/L207

PAVING SCHEDULE

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STANDARD GRAY CONCRETE
MAG SECTION 340, DETAIL 230
FINISH: LIGHT BROOM FINISH
JOINTS: TROWELED TO MATCH EXISTING



.12 ACRES (5,134 SQ/FT)

LANDSCAPE AREA

PARKING LOT LANDSCAPE:

SITE AREA (NET):

3.04 ACRES (132,453 SQ/FT)

TOTAL LANDSCAPE AREA:

47 ACRES (20,498 SQ/FT)

RIGHT OF WAY LANDSCAPE:

.05 ACRES (1,873 SQ/FT)



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HARDSCAPE PLAN

L101

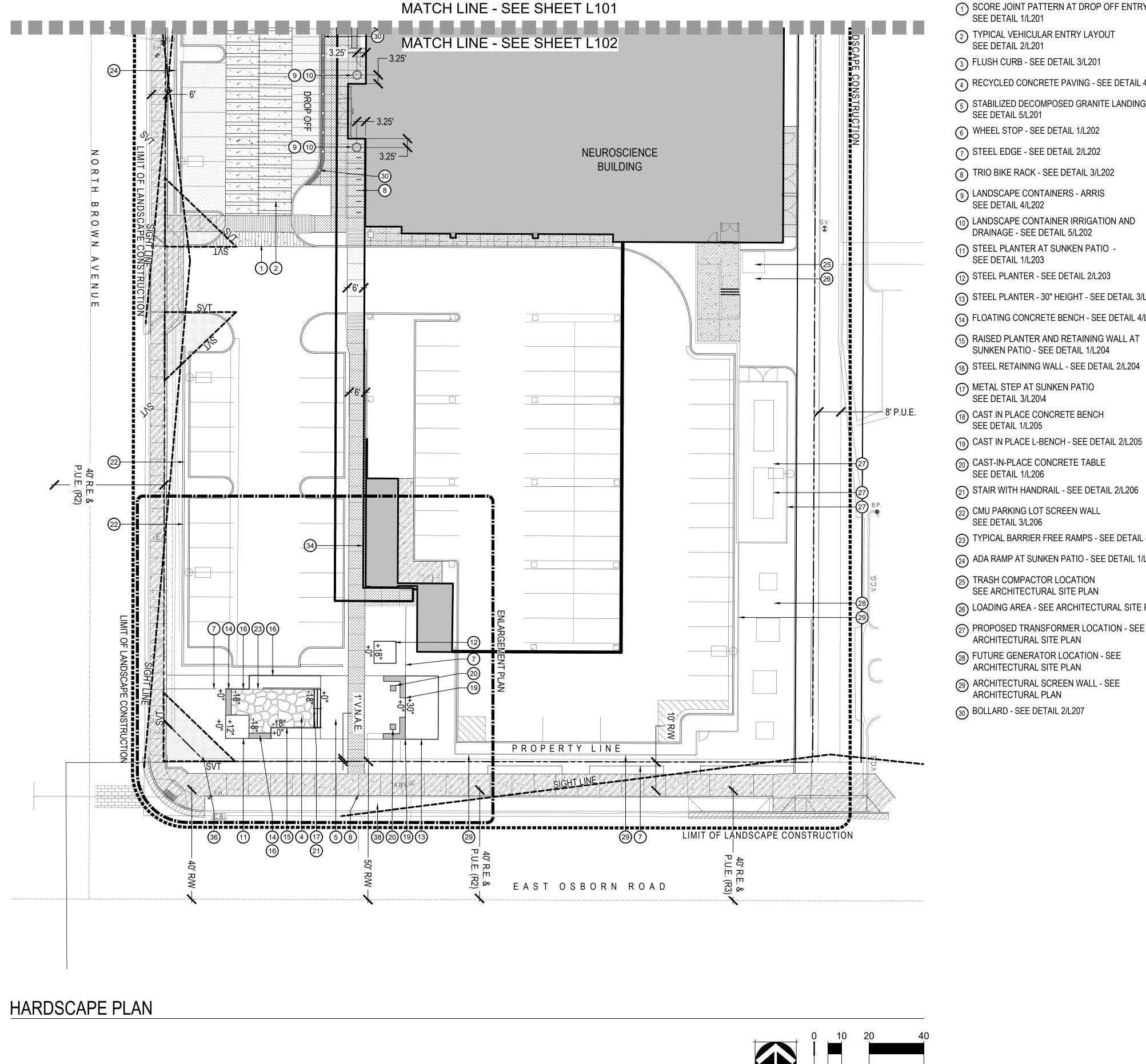


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JOINTS: SAW CUT



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STANDARD GRAY CONCRETE

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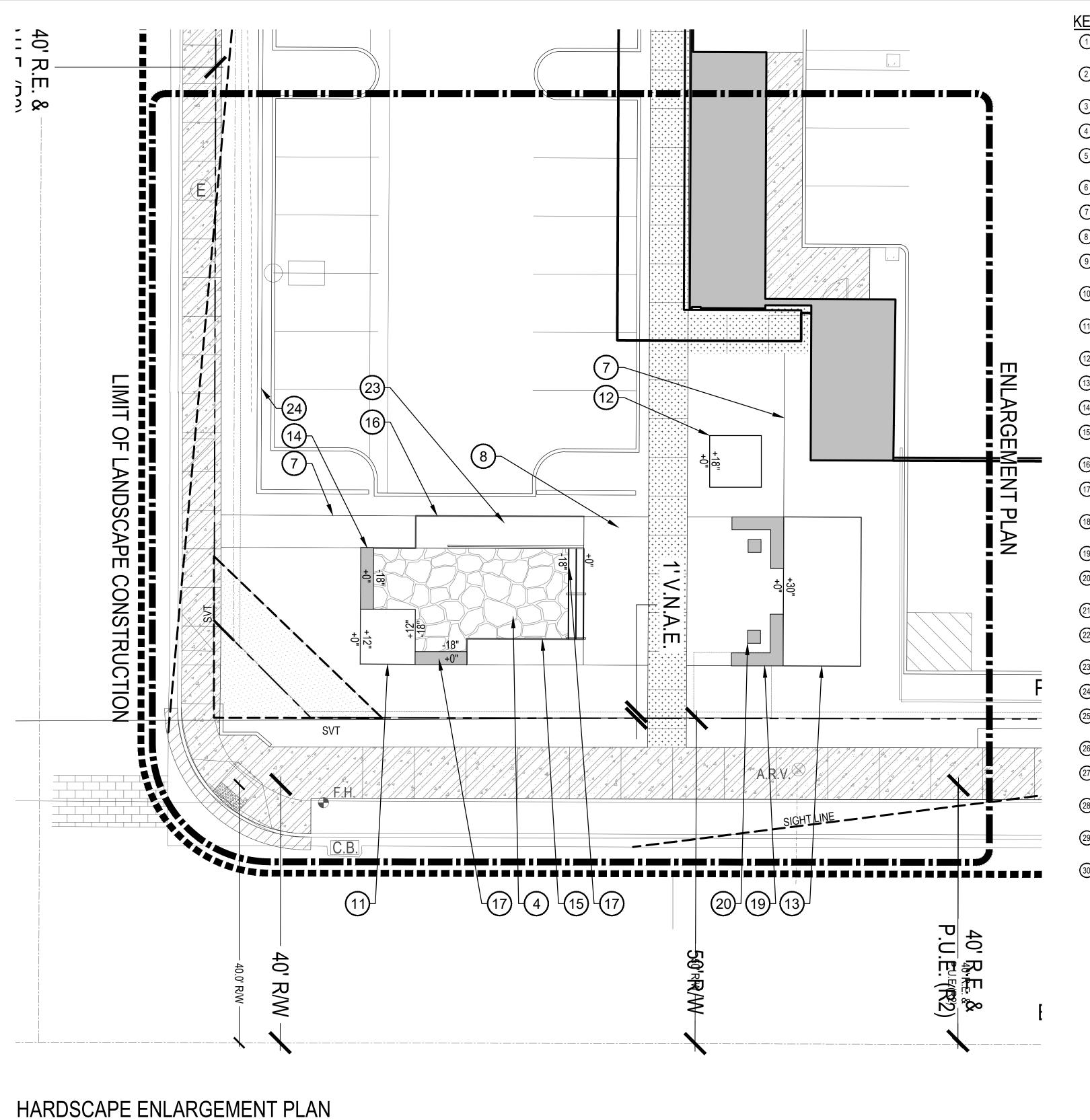
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HARDSCAPE PLAN



L102



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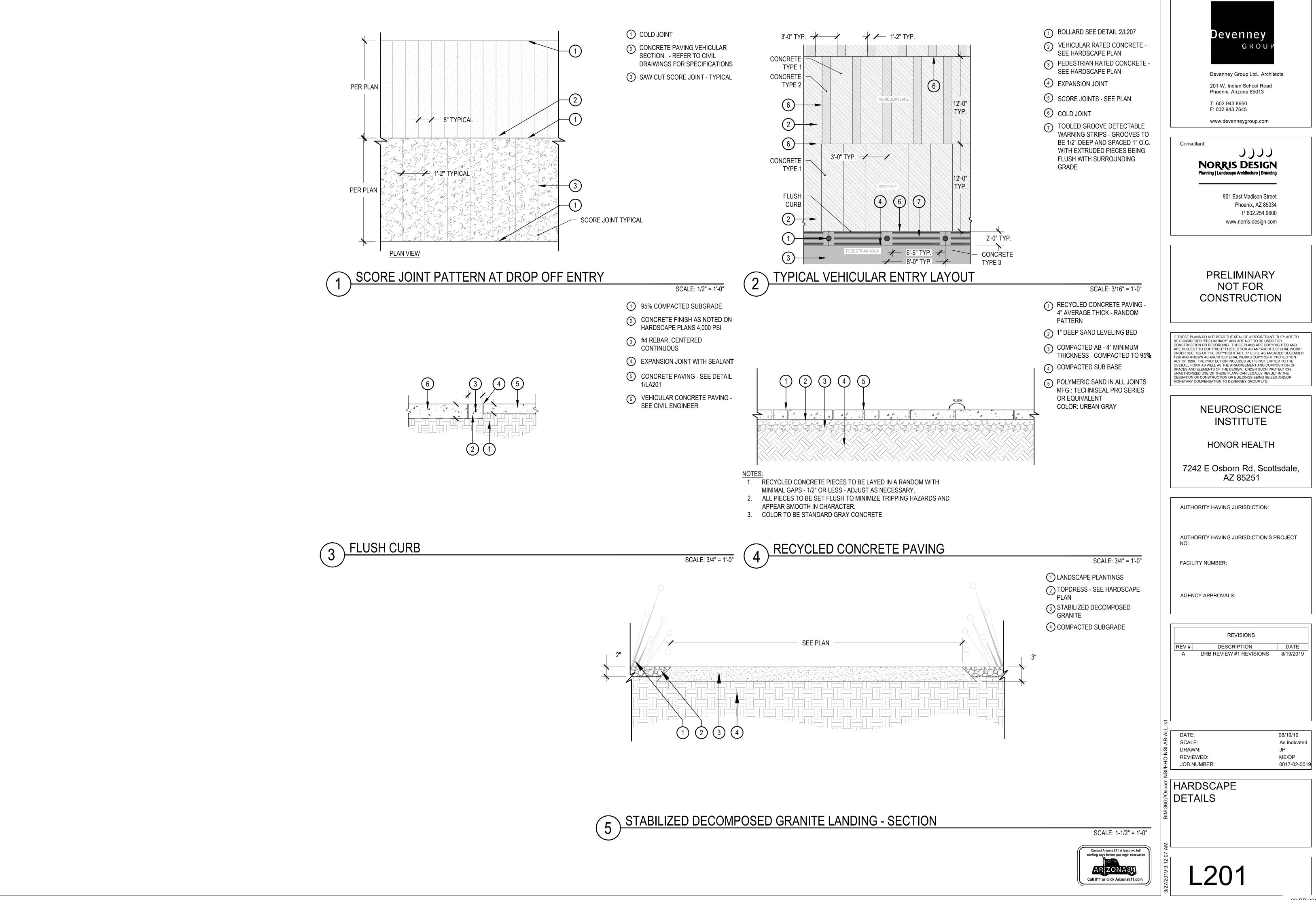
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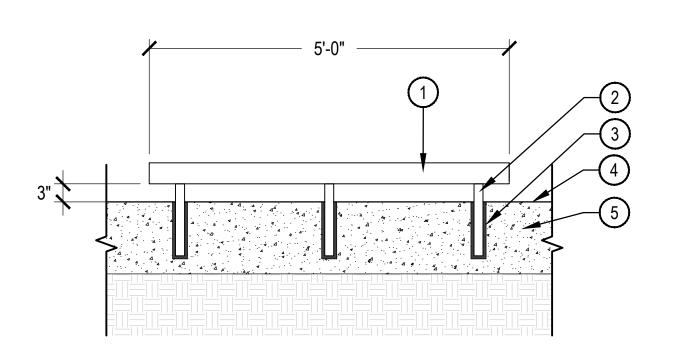
HARDSCAPE ENLARGEMENT [∞] PLAN

L103



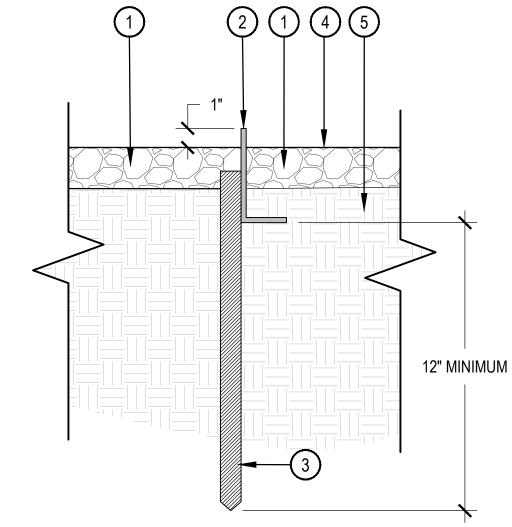


20-DR-2019 8/21/2019



- (1) 3.5" SQ. STEEL TUBE PAINTED BLACK
- (2) 1.5" SQ. STEEL TUBE WELDED TO HORIZONTAL - FIELD PRIMED AND PAINTED BLACK
- (3) CONCRETE SLEEVE W/ EPOXY TO MATCH ADJACENT PAVING
- 4 FINISH GRADE
- 5 CONCRETE PAVING SEE PAVING SCHEDULE

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION. 2. ALL STEEL AND HARDWARE TO BE PAINTED BLACK AND SEALED TO PREVENT STAINING.



- (1) ADJACENT CONDITION VARIES -SEE HARDSCAPE PLANS FOR LOCATIONS
- 2) 1/4" X 3" X 3" STEEL ANGLE
- 3 1" SQUARE STEEL x 12" LONG TUBE WELDED TO BACKSIDE OF FABRICATED ANGLE, AND DRIVEN INTO SUBGRADE TO ANCHOR AT 24" ON CENTER SPACING
- 4 FINISH GRADE

(1) BIKE RACK

MOUNT

NOTES:

FORMS AND SURFACES

FINISH: POWDERCOAT COLOR: DARK CORTEN

MODEL: SKTRO TRIO BIKE RACK

INSTALLATION TYPE: SURFACE

2 FINISH GRADE: SEE HARDSCAPE PLAN / PAVING SCHEDULE

3 ANCHOR HOLE - DRILL 5" DEEP x

7/8" DIA HOLE PER MANUFACTURERS

(4) COMPACTED SUBGRADE

RECOMMENDITATIONS

INSTALL BIKE RACK PER

MANUFACTURERS' RECOMMENDATIONS

5 UNDISTURBED SOIL OR COMPACTED SUBGRADE

SCALE: 3" = 1'-0"

Consultant: 7))) **NORRIS DESIGN**

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HARDSCAPE DETAILS

L202

WHEEL STOP

• **TOP VIEW**

BOTTOM VIEW

SIDE ELEVATION

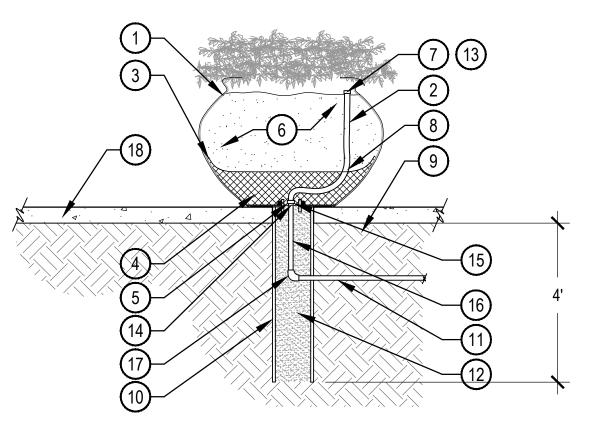
CHARACTER IMAGE

TRIO BIKE RACK

LANDSCAPE CONTAINER: ARRIS SERIES MANUFACTURED BY: QCP CORP MODEL NUMBER(S): QR-AR-4224P FINISH: ACID ETCH COLOR: AGENT WHITE SEE DETAIL #/L20#

N.T.S.

FRONT ELEVATION



- ① DECORATIVE POT CONTRACTOR ② 1/2" THREADED MALE ADAPTER INSTALLED. DRILL (1) 2" DIA. HOLE FOR PVC LATERAL. LOCATION MAY VARY DUE TO POT GROUPINGS, VERIFY LOCATION PRIOR TO DRILLING. SEAL POTS WITH APPROPRIATE SEALANT.
- 2) 1/2" IPS EXCALIBUR FLEXIBLE LATERAL LINE TO BE INSTALLED BY CONTRACTOR. INSTALL FLOOD EMITTER ABOVE SOIL, BURY LASER TUBING 2" BELOW SOIL LEVEL.
- 3 POROUS LANDSCAPE FILTER
- 4 GRAVEL DRAIN ROCK.
- (5) WATERTIGHT EPOXY SEAL (JB WELD OR EQUAL, NO SILICON). THOROUGHLY BOND PVC PIPE TO
- 6 PLANTING SOIL SEE **SPECIFICATIONS**
- PRIOR TO PAVING, SEE IRRIGATION PLAN.
 - (12) GRAVEL SUMP.

UP TO 24" IN DIAMETER. FOR

TEE WITH POLYETHYLENE CA

OF POT WITH POLYETHYLENE

EVEN WATER DISTRIBUTION.

CONFIRM QUANTITY OF EMITTERS

DRIP EMITTERS. EQUALLY

WITH OWNER PRIOR TO

8 ANGLE FLEX PIPE AWAY FROM

CONTRACTOR TO INSTALL

(11) IRRIGATION LATERAL LINE BY CONTRACTOR TO BE INSTALLED

INSTALLATION.

CENTER OF POT.

6" DIA. X 48" SLEEVE -

COMPACTED SUBGRADE

- (3) INSTALL LASER TUBING WITH FULLY ADJUSTABLE FLOOD (OPENINGS @ 6" O.C.) IN LIEU OF BUBBLER EMITTER FOR ALL POTS BUBBLERS FOR POTS 24" &
- LARGER. LARGER POTS INSTALL 1/2" PVC DRILL 2" O.D. HOLE IN POT BOTTOM AND INSERT 1 1/2" LONG ADAPTERS. CIRCLE PERIMETER

SCALE: 3/4" = 1'-0"

- 2" DIA PVC PIPE. SEE NOTES. TUBING. INSTALL (3-5) 1 GALLON (15) 1/2" THREADED SCH 80 PVC
- SPACED ON POLYETHYLENE FOR

 1/2" X LENGTH REQUIRED SCH 40
 - (17) FITTING, ELL OR TEE, SEE IRRIGATION PLAN.
 - (8) FINISH GRADE SEE HARDSCAPE

1. ALL POTS SHALL BE PRE-DRILLED & INTERNALLY SEALED BY CONTRACTOR. JOB NUMBER: 2. ALL POT IRRIGATION VALVES TO BE INSTALLED WITH 20 PSI PRESSURE

REGULATORS. 3. ALL LANDSCAPE CONTAINERS TO BE PRE-DRILLED WITH ONE (1) 1" DIA HOLE FOR IRRIGATION AND DRAINAGE BY QCP.

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

Contact Arizona 811 at least two full working days before you begin excavation AR ZONA811 Call 811 or click Arizona811.com



LANDSCAPE CONTAINERS - ARRIS SERIES

LANDSCAPE CONTAINER: IRRIGATION AND DRAINAGE

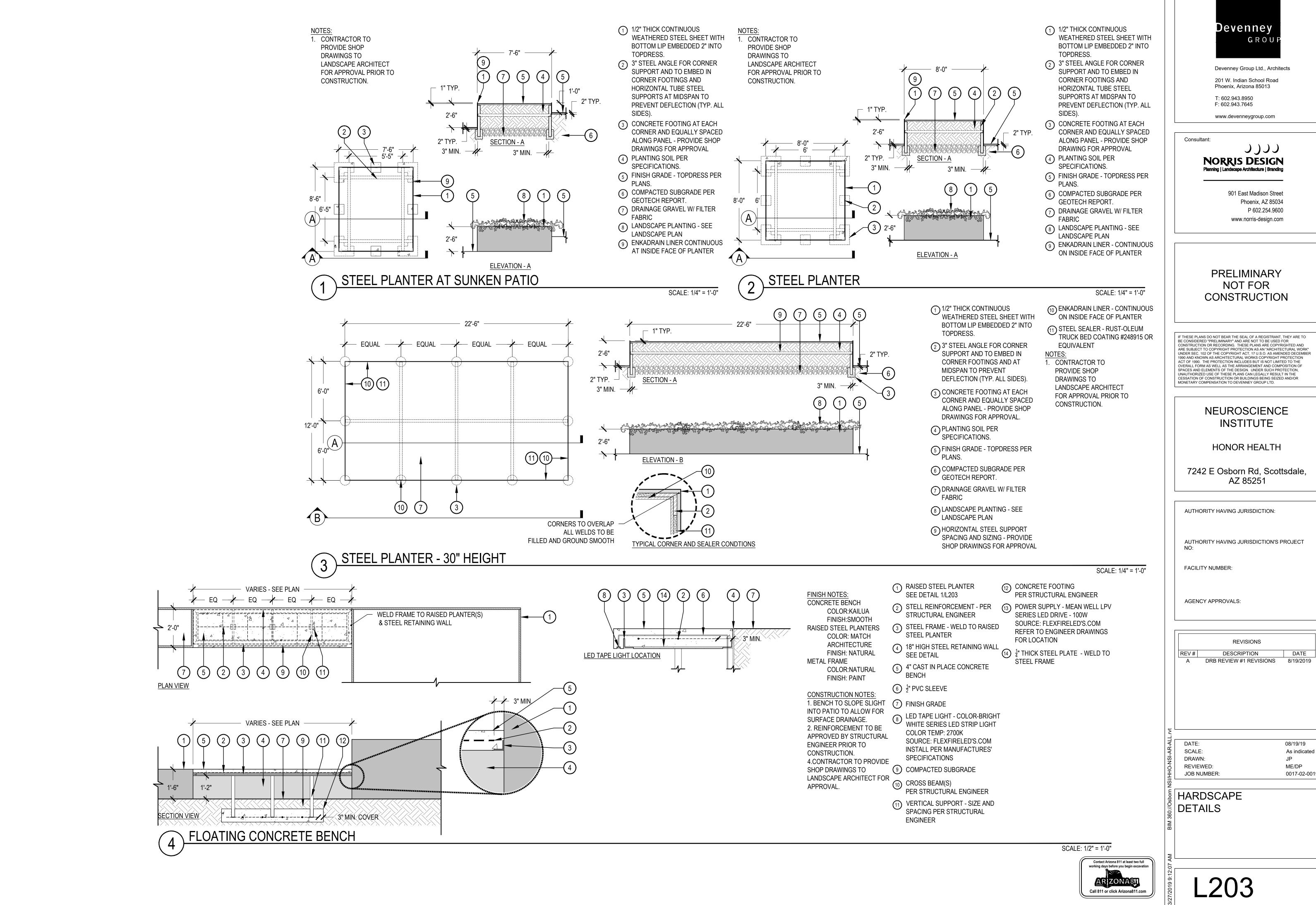
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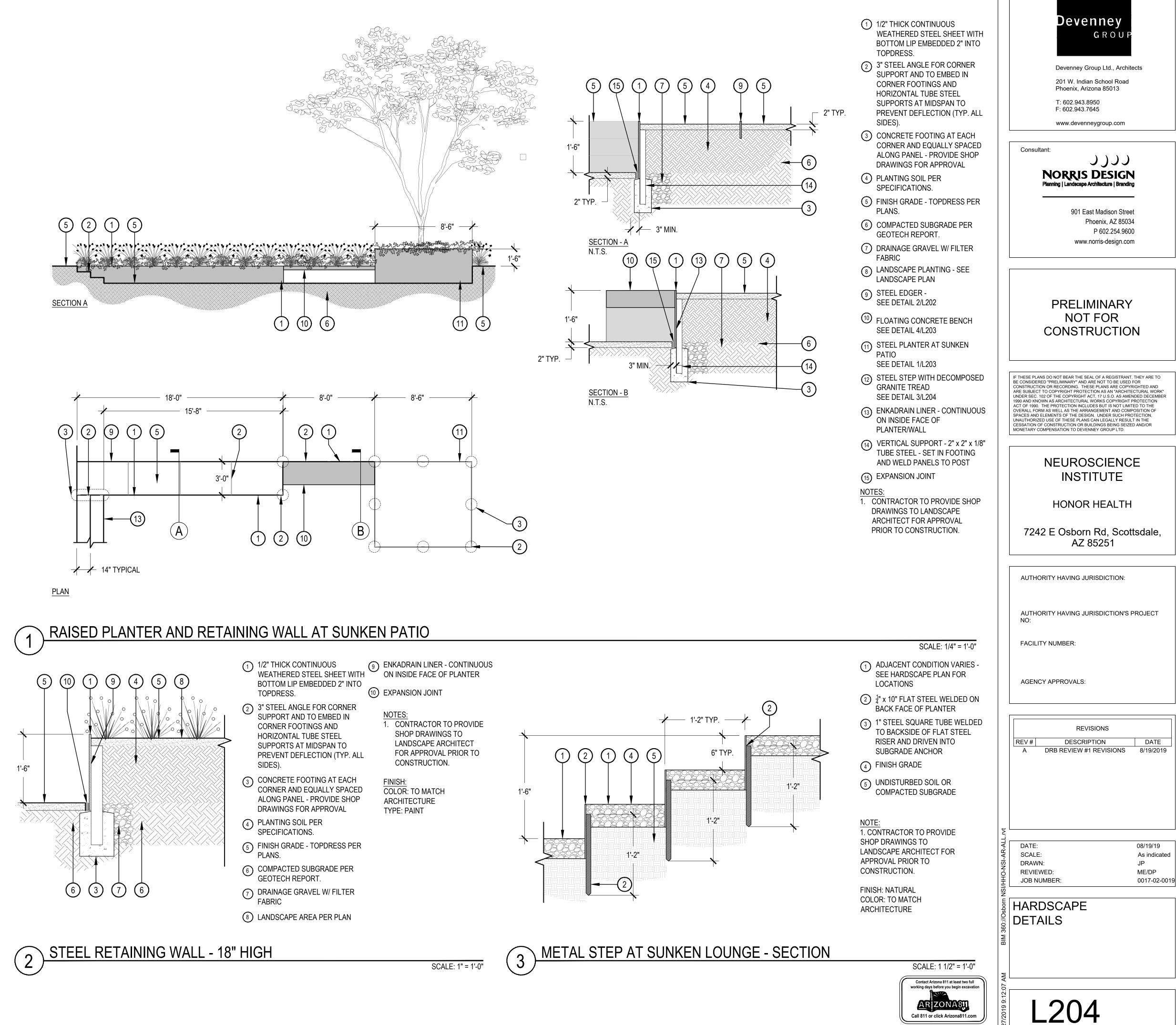


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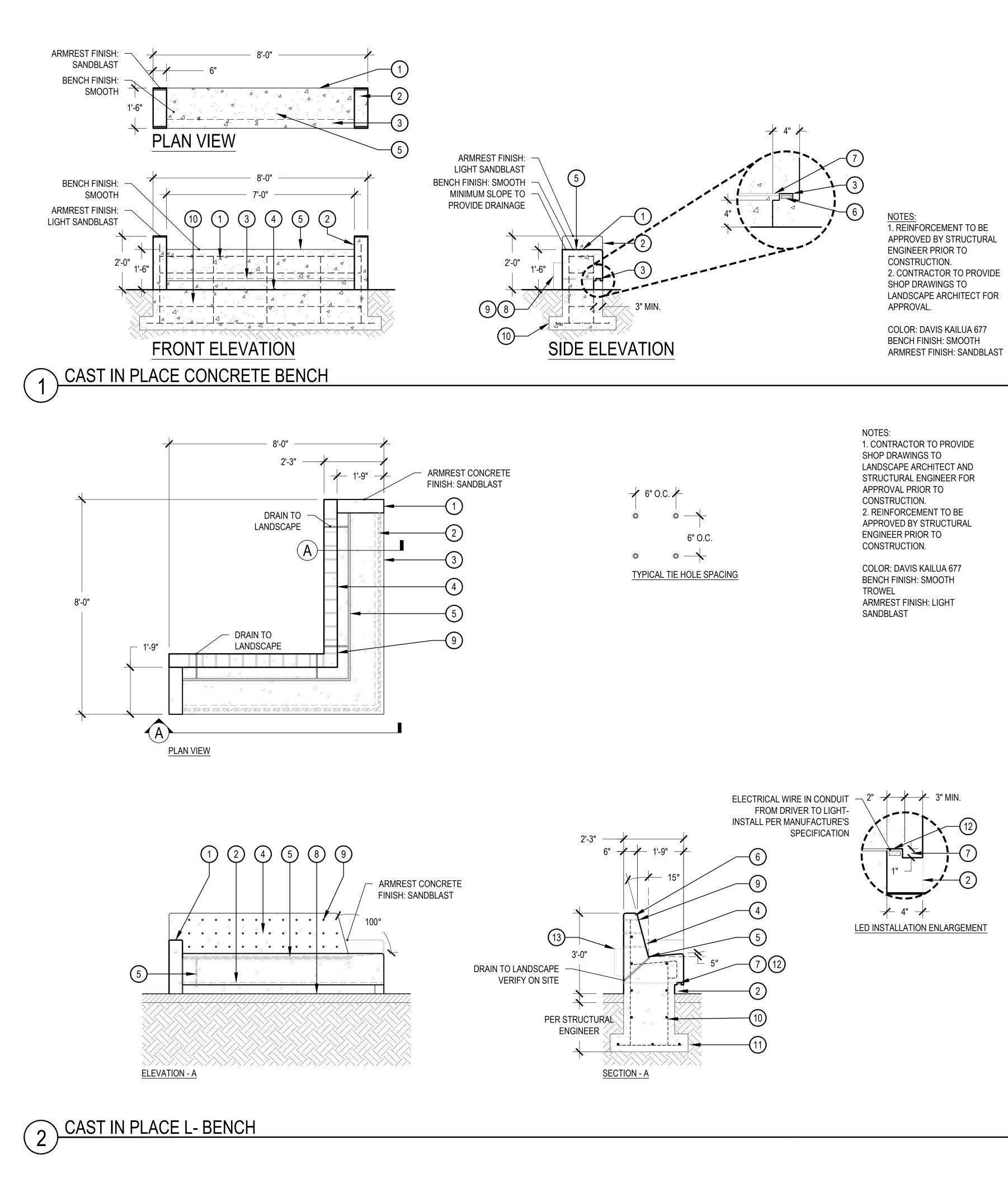




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① CONCRETE BENCH

2 6" WIDE ARMREST -

SANDBLASTED 3 4" RECESS WITH LED TAPE LIGHT

4 FINISH GRADE

5 SLOPE SURFACE

LED TAPE LIGHT - COLOR-BRIGHT WHITE SERIES LED STRIP LIGHT 6 COLOR TEMP: 2700K SOURCE: FLEXFIRELED'S.COM

INSTALL PER MANUFACTURES' SPECIFICATIONS

7) ½" PVC SLEEVE

8 POWER SUPPLY - MEAN WELL LPV SERIES LED DRIVE - 100W SOURCE: FLEXFIRELED'S.COM LOCATE ON BACK SIDE OF BENCH

 DMMER - LED LIGHT DIMMER FOR STRIP LIGHTS - 12/24V 8A SOURCE: FLEXFIRELED'S.COM LOCATE ON BACK SIDE OF BENCH

(10) CONCRETE FOOTING PER STRUCTURAL ENGINEER

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

2 4" WIDE RECESS WITH LED TAPE LIGHT

(3) CONCRETE FINISH - SMOOTH

4) ANGLED BACK REST w/ TIE HOLES

BENCH DRAIN - $\frac{1}{2}$ " PVC DECK 5 DRAIN SET FLUSH WITH BENCH

COLOR TEMP: 2700K SOURCE: FLEXFIRELED'S.COM INSTALL PER MANUFACTURES' SPECIFICATIONS

POWER SUPPLY - MEAN WELL LPV

DIMMER - LED LIGHT DIMMER FOR (14) STRIP LIGHTS - 12/24V 8A

6" WIDE ARM REST - LIGHT SANDBLAST FINISH

SEAT

6 1" RADIUS - TYPICAL

LED TAPE LIGHT - COLOR-BRIGHT WHITE SERIES LED STRIP LIGHT

8 FINISH GRADE

9 CONCRETE TIE HOLE - 6" O.C.

STRUCTURAL REINFORCEMENT PER STRUCTURAL ENGINEER

CONCRETE FOOTING PER STRUCTURAL ENGINEER

 $\frac{1}{2}$ PVC SLEEVE

(13) SERIES LED DRIVE - 100W SOURCE: FLEXFIRELED'S.COM

SOURCE: FLEXFIRELED'S.COM

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

Contact Arizona 811 at least two full

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1990 AND KNOWN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE

OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION O SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

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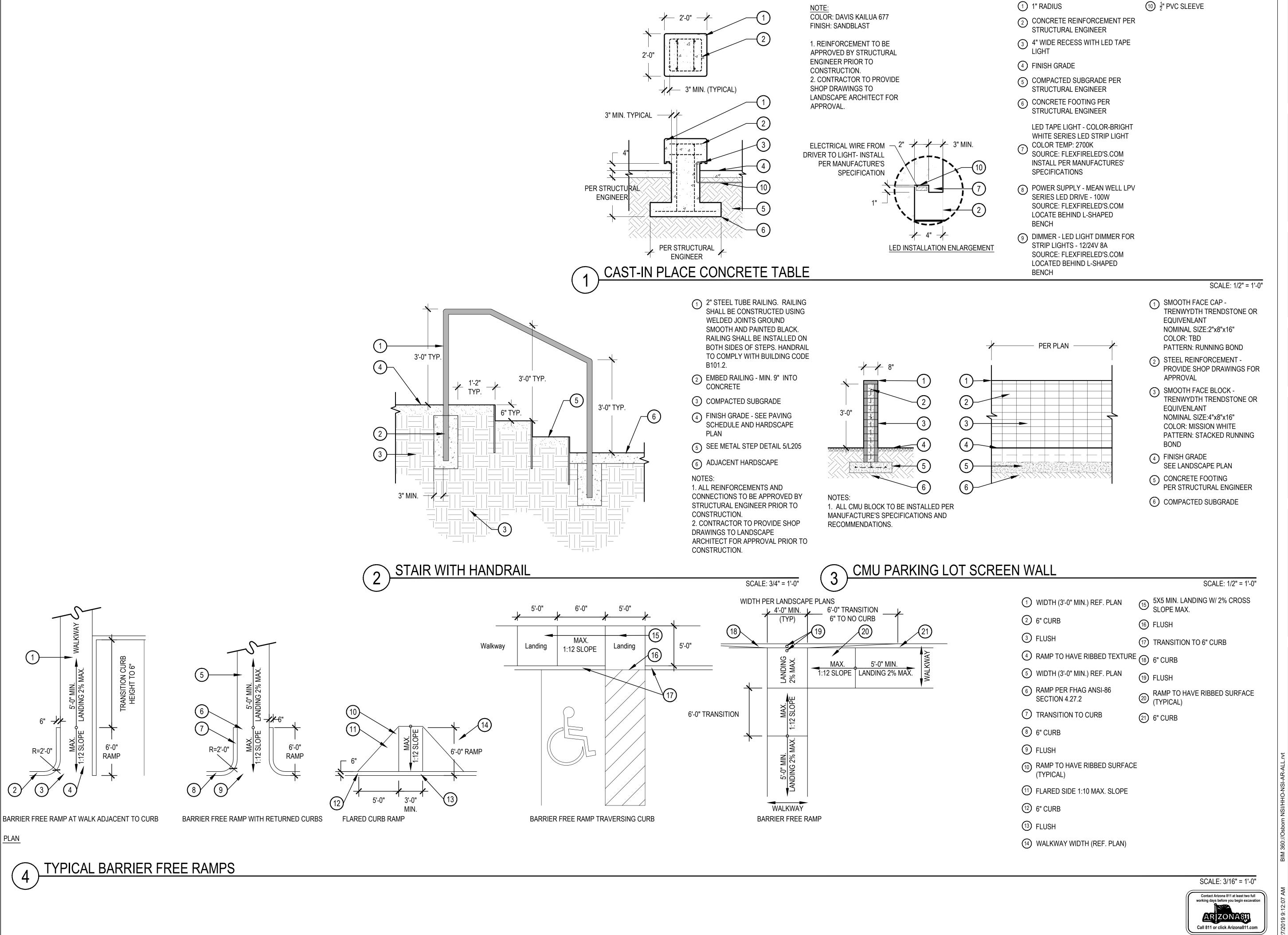
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HARDSCAPE DETAILS

L205





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HARDSCAPE DETAILS

JOB NUMBER

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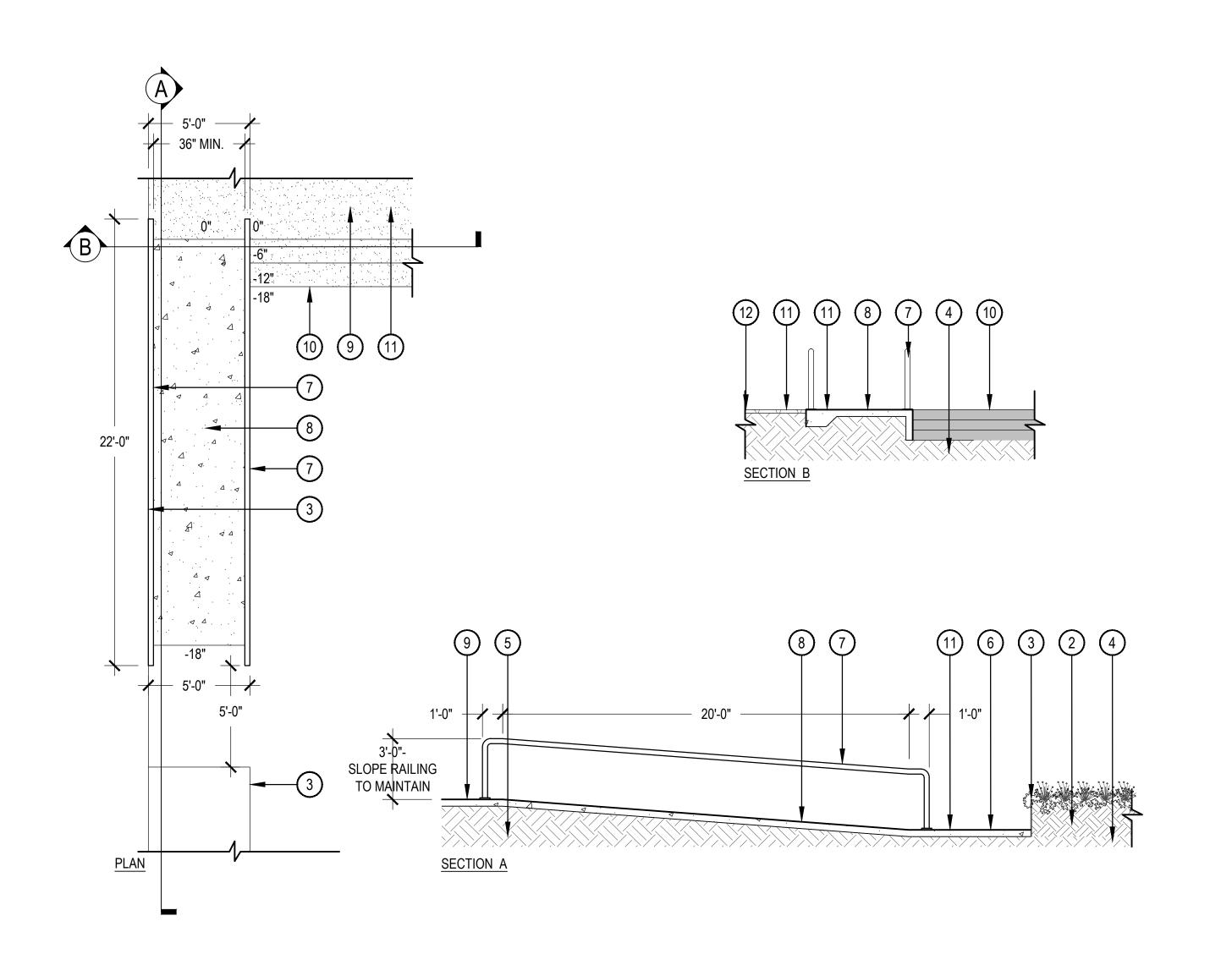
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- 1 CAST IN PLACE INTEGRAL COLOR CONCRETE - SEE HARDSCAPE PLANS FOR FINISH
- 2 AMENDED TOPSOIL SEE SPECIFICATIONS
- 3 STEEL RETAINING WALL -SEE DETAIL 2/L206
- (4) COMPACTED SUBGRADE
- 5 AMENDED TOPSOIL
- 6 SUNKEN PATIO SEE HARDSCAPE PLAN FOR SPECIFICS
- 7 2" DIAMETER TOP RAIL PAINTED TUBE STEEL. COLOR TO MATCH ARCHITECTURE: TBD
- 8 CAST IN PLACE INTEGRAL COLOR CONCRETE SEE HARDSCAPE
- PLANS FOR FINISH 9 DECOMPOSED GRANITE LANDING - SEE HARDSCAPE PLAN FOR
- (10) METAL STEPS SEE DETAIL 3/L206
- 11) FINISH GRADE

SPECIFICS

(12) LANDSCAPE AREA - SEE LANDSCAPE PLAN

1. ALL CONCRETE FOOTINGS AND STEEL REINFORCING TO BE APPROVED BY STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

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

1/8" STEEL EDGER.

12) TAPE LIGHT

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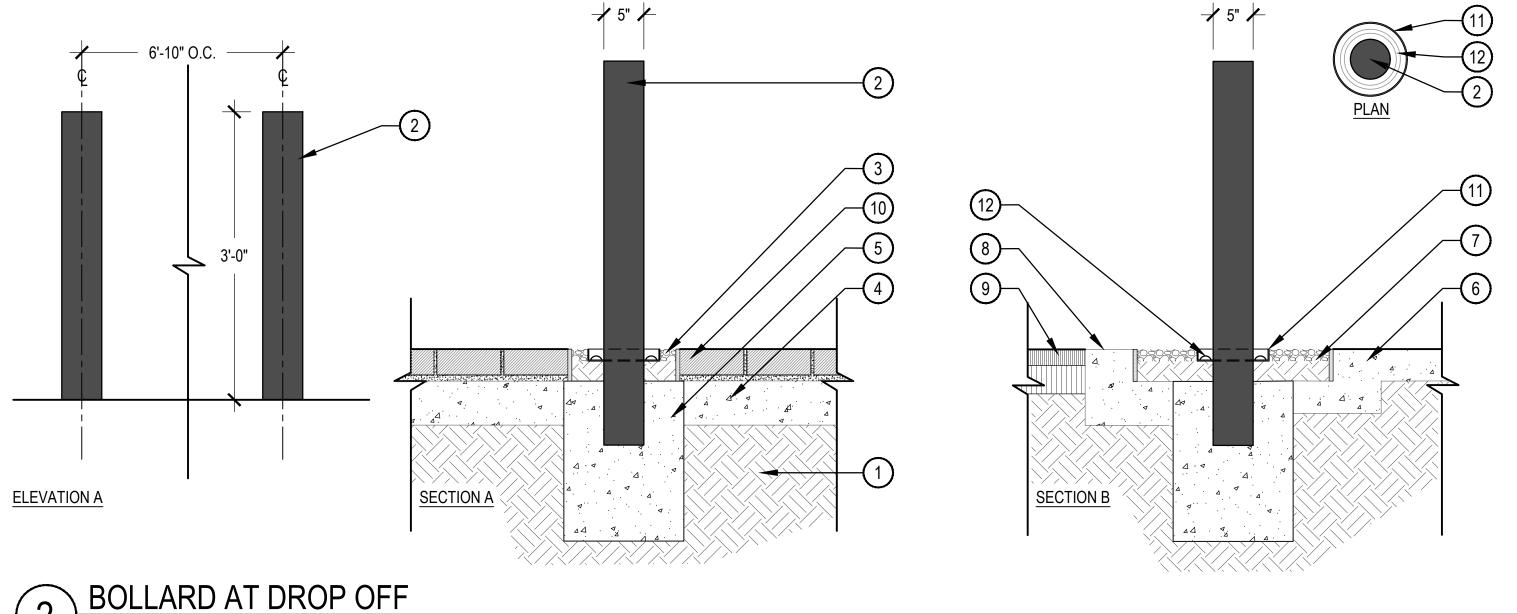
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HARDSCAPE DETAILS

JOB NUMBER:

L207





① COMPACTED SUBGRADE

2 CALPIPE MEDIUM SECURITY FIXED STAINLESS STEEL BOLLARD. 5" DIA. STANDARD FLAT CAP. ITEM # SSF05040

3 GROUT SOLID

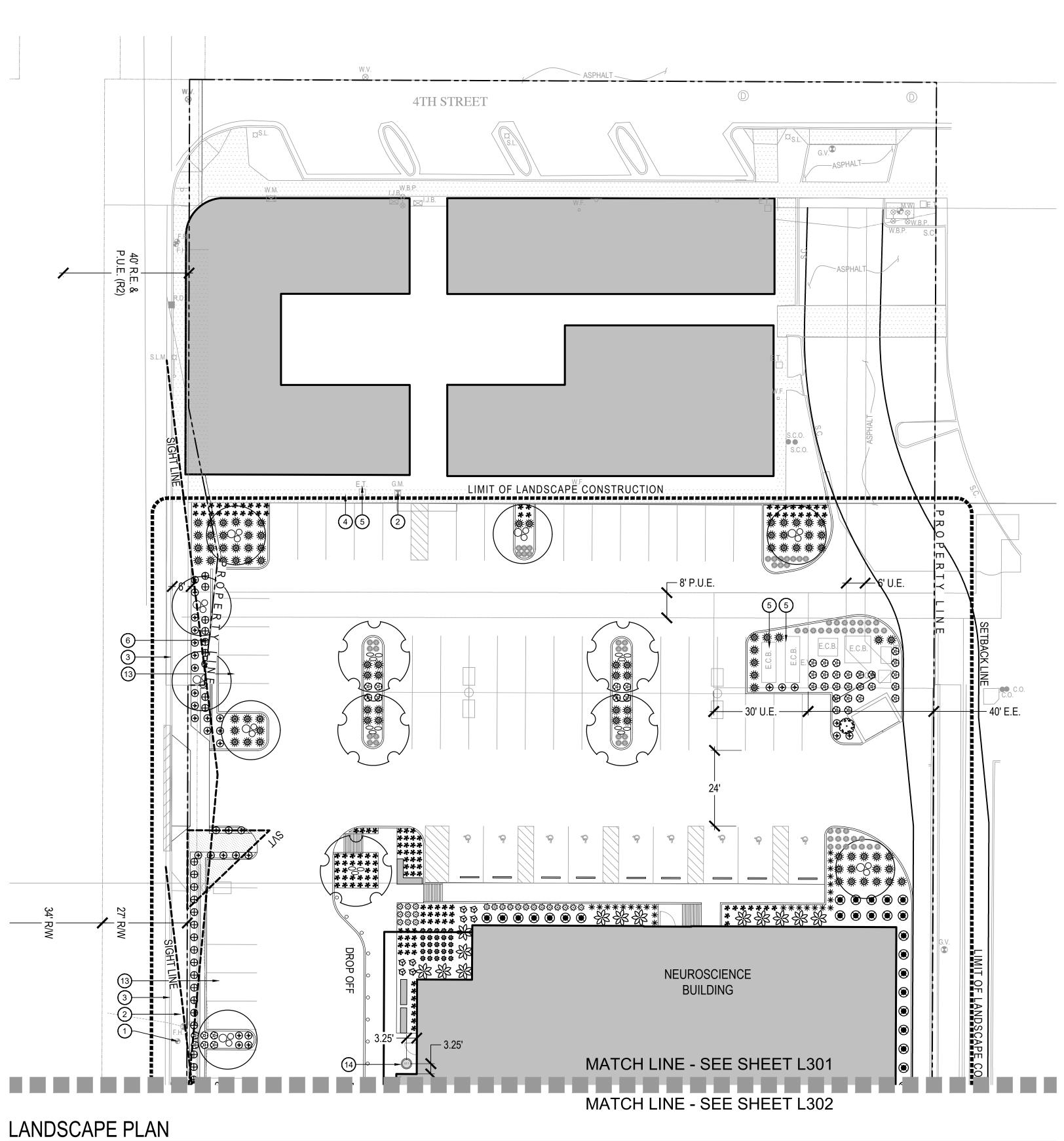
4 VEHICULAR RATED CONCRETE.

- 5 CONCRETE FOOTING PER STRUCTURAL, SLOPE TOP TO
- 6 ADJACENT CONCRETE PAVING -SEE HARDSCAPE PLAN.
- 7 DECORATIVE GRAVEL INFILL IN PAVING REVEAL
- 8 FLUSH CONCRETE CURB SEE CIVIL
- 9 ASPHALT PAVING SEE CIVIL
- 10 DETECTABLE WARNING PAVERS -SEE PAVING SCHEDULE FOR

SCALE: 1" = 1'-0"



0017-02-0019



10 20

OLNEYA TESOTA 3" CALIPER DESERT IRONWOOD ••• PARKINSONIA X 'DESERT MUSEUM' 2" CALIPER 14 DESERT MUSEUM PALO VERDE PROSOPIS CHILENSIS 2" CALIPER 18 CHILEAN MESQUITE 90 BOTANICAL / COMMON NAME SIZE QTY 15 GAL CYCAS REVOLUTA JAPANESE SAGO PALM SHRUBS BOTANICAL / COMMON NAME SIZE 5 GALLON ASCLEPIAS SUBULATA RUSH MILKWEED BOUGAINVILLEA X `BAMBINO BABY MIA` 5 GALLON BAMBINO BABY MIA CALLISTEMON CITRINUS 'LITTLE JOHN' 5 GALLON DWARF BOTTLE BRUSH 5 GALLON LEUCOPHYLLUM LAEVIGATUM CHIHUAHUAN SAGE **(RUELLIA BRITTONIANA** 5 GALLON BLUE BELLLS RUELLIA PENNINSULARIS 5 GALLON WILD PETUNIA **ACCENT** SIZE **BOTANICAL / COMMON NAME** AGAVE VICTORIAE-REGINAE 5 GALLON QUEEN VICTORIA AGAVE SANSEVIERIA MARGINATA 5 GALLON DEVIL'S TONGUE CACTUS BOTANICAL / COMMON NAME SIZE QTY CARNEGIEA GIGANTEA \oplus SAGUARO ECHINOCACTUS GRUSONII 5 GALLON GOLDEN BARREL CACTUS OPUNTIA ELLISIANA 5 GALLON **©** SPINELESS PRICKLY PEAR **GRASSES BOTANICAL / COMMON NAME** SIZE 5 GALLON MUHLENBERGIA RIGENS DEER GRASS BOTANICAL / COMMON NAME GROUNDCOVER SIZE 1 GALLON LANTANA X 'NEW GOLD' NEW GOLD LANTANA SETCREASEA PALLIDA 'PURPLE HEART' 1 GALLON PURPLE HEART SETCREASEA SIZE PERENNIALS BOTANICAL / COMMON NAME 1 GALLON TETRANEURIS ACAULIS STEMLESS FOUR-NERVE DAISY BOTANICAL / COMMON NAME SUCCULENTS SIZE ALOE X 'BLUE ELF' 5 GALLON ALOE

PLANT SCHEDULE

BOTANICAL / COMMON NAME

1. THORNY TREES, SHRUBS AND CACTI SHALL BE PLANTED SO THAT THEIR MATURE SIZE/CANOPY WILL BE AT LEAST 4 FEET AWAY FROM ANY WALKWAYS OR PARKING

2. ALL LANDSCAPE MATERIAL WITHIN SIGHT VISIBILITY TRIANGLES (SVT) SHALL BE MAINTAINED TO NOT EXCEED 18" IN HEIGHT AT MATURITY, WITHIN SVTS. ALL TREES WITHIN THE SVT ARE NOT TO EXCEED 1' IN ITS GREATEST CROSS-SECTIONAL DIMENSION BETWEEN A HEIGHT OF 3' AND A HEIGHT OF 10' ABOVE THE GRADE - AS PER CITY OF SCOTTSDALE REQUIMENTS.

3. LOCATION OF TREE TRUNKS WILL BE AT LEAST 20' AWAY FROM STREET LIGHT POLES.

KEY NOTES

QTY

SIZE

- 1) FIRE HYDRANT SEE CIVIL DRAWINGS
- (2) GAS METER SEE CIVIL DRAWINGS
- (3) CURB AND GUTTER SEE CIVIL DRAWINGS
- (4) CONCRETE WALK SEE CIVIL DRAWINGS
- (5) UTILITIES SEE CIVIL DRAWINGS
- 6 PROPERTY LINE SEE CIVIL DRAWINGS
- 7) WATER LINE SEE CIVIL DRAWINGS
- 8 SEWER LINE SEE CIVIL DRAWINGS
- 9 FUTURE GENERATOR SEE CIVIL DRAWINGS
- (10) PROPOSED TRANSFORMER SEE CIVIL DRAWINGS
- (11) TRASH COMPACTOR LOCATION SEE ARCHITECTURAL SITE PLAN
- (12) LOADING AREA SEE ARCHITECTURAL SITE PLAN
- (13) SETBACK LINE SEE CIVIL DRAWINGS (14) LANDSCAPE CONTAINERS
- SEE DETAIL 2/L202 (15) PARKING LOT SCREEN WALL - SEE
- ARCHITECTURAL PLANS (16) PARKING LOT STAIR WELL - SEE
- ARCHITECTURAL PLANS (17) MECHANICAL EQUIPMENT SCREEN

WALL - SEE ARCHITECTURAL PLAN

(18) DELIVERY RAMP/STAIRS - SEE ARCHITECTURAL/CIVIL PLANS



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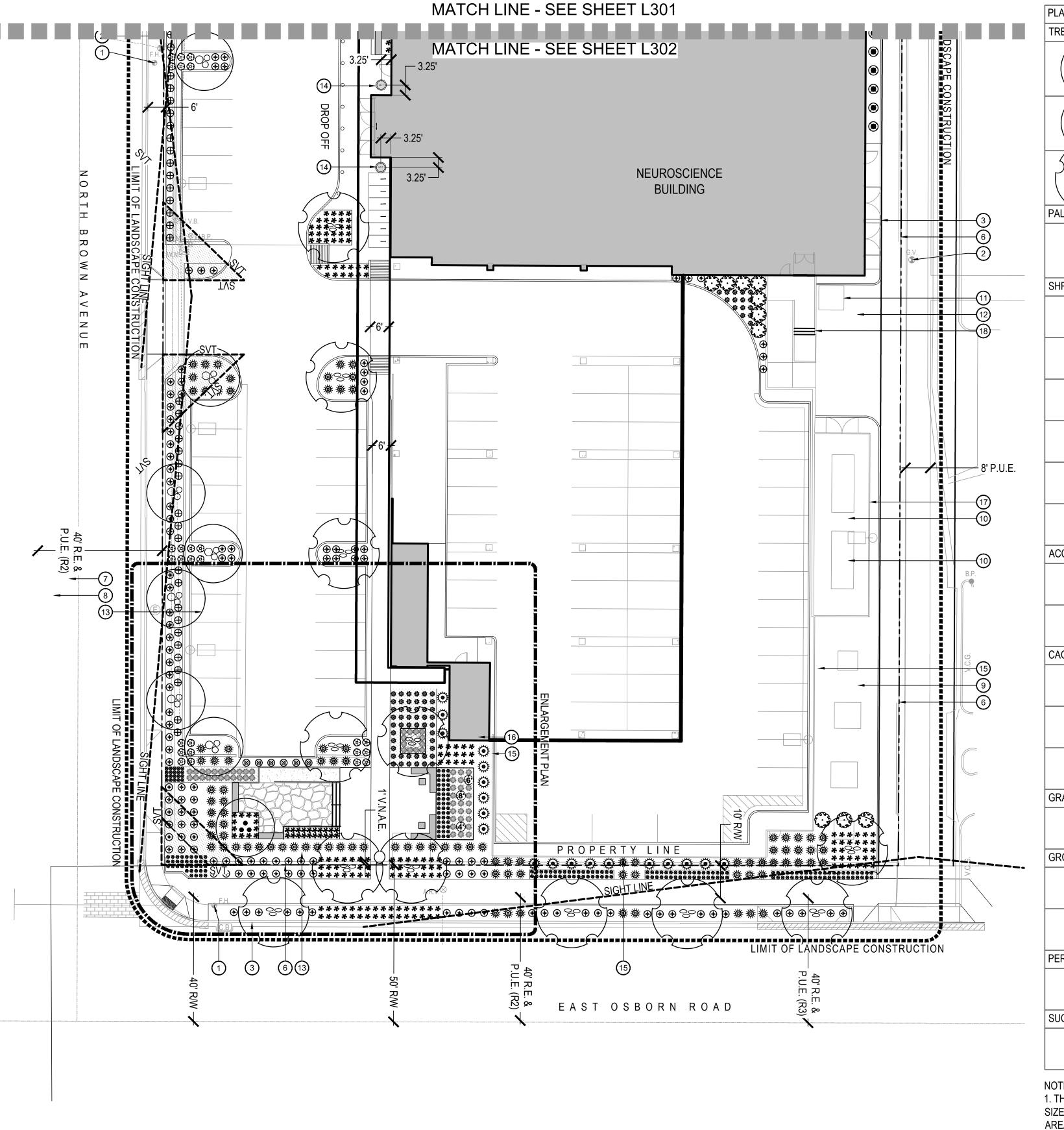
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LANDSCAPE PLAN

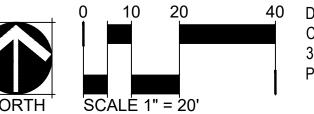
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L301



LANDSCAPE PLAN



PLANT SCHEDULE QTY **BOTANICAL / COMMON NAME** OLNEYA TESOTA 3" CALIPER DESERT IRONWOOD •• PARKINSONIA X 'DESERT MUSEUM' 2" CALIPER 14 DESERT MUSEUM PALO VERDE 08 2" CALIPER 18 PROSOPIS CHILENSIS CHILEAN MESQUITE QTY PALM TREES **BOTANICAL / COMMON NAME** SIZE 15 GAL CYCAS REVOLUTA JAPANESE SAGO PALM QTY **SHRUBS BOTANICAL / COMMON NAME ASCLEPIAS SUBULATA** 5 GALLON RUSH MILKWEED BOUGAINVILLEA X 'BAMBINO BABY MIA' 5 GALLON £ 3 BAMBINO BABY MIA CALLISTEMON CITRINUS 'LITTLE JOHN' 5 GALLON DWARF BOTTLE BRUSH 5 GALLON LEUCOPHYLLUM LAEVIGATUM CHIHUAHUAN SAGE 5 GALLON **RUELLIA BRITTONIANA** BLUE BELLLS RUELLIA PENNINSULARIS 5 GALLON WILD PETUNIA **ACCENT** BOTANICAL / COMMON NAME AGAVE VICTORIAE-REGINAE 5 GALLON QUEEN VICTORIA AGAVE SANSEVIERIA MARGINATA 5 GALLON DEVIL'S TONGUE QTY CACTUS BOTANICAL / COMMON NAME CARNEGIEA GIGANTEA \oplus SAGUARO ECHINOCACTUS GRUSONII 5 GALLON GOLDEN BARREL CACTUS OPUNTIA ELLISIANA 5 GALLON **©** SPINELESS PRICKLY PEAR **GRASSES** BOTANICAL / COMMON NAME SIZE QTY 192 5 GALLON MUHLENBERGIA RIGENS DEER GRASS GROUNDCOVER BOTANICAL / COMMON NAME QTY 1 GALLON 167 LANTANA X 'NEW GOLD' NEW GOLD LANTANA SETCREASEA PALLIDA 'PURPLE HEART' 1 GALLON PURPLE HEART SETCREASEA PERENNIALS BOTANICAL / COMMON NAME TETRANEURIS ACAULIS 1 Gallon STEMLESS FOUR-NERVE DAISY SUCCULENTS BOTANICAL / COMMON NAME SIZE QTY ALOE X 'BLUE ELF' 5 GALLON ALOE

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- 1) FIRE HYDRANT SEE CIVIL DRAWINGS
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- (3) CURB AND GUTTER SEE CIVIL DRAWINGS
- (4) CONCRETE WALK SEE CIVIL DRAWINGS
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- (11) TRASH COMPACTOR LOCATION SEE
- (12) LOADING AREA SEE ARCHITECTURAL SITE PLAN
- (13) SETBACK LINE SEE CIVIL DRAWINGS
- (14) LANDSCAPE CONTAINERS SEE DETAIL 2/L202
- (15) PARKING LOT SCREEN WALL SEE ARCHITECTURAL PLANS
- ARCHITECTURAL PLANS



- (10) PROPOSED TRANSFORMER SEE CIVIL DRAWINGS
- ARCHITECTURAL SITE PLAN

- (16) PARKING LOT STAIR WELL SEE
- (17) MECHANICAL EQUIPMENT SCREEN WALL - SEE ARCHITECTURAL PLAN
- (18) DELIVERY RAMP/STAIRS SEE ARCHITECTURAL/CIVIL PLANS



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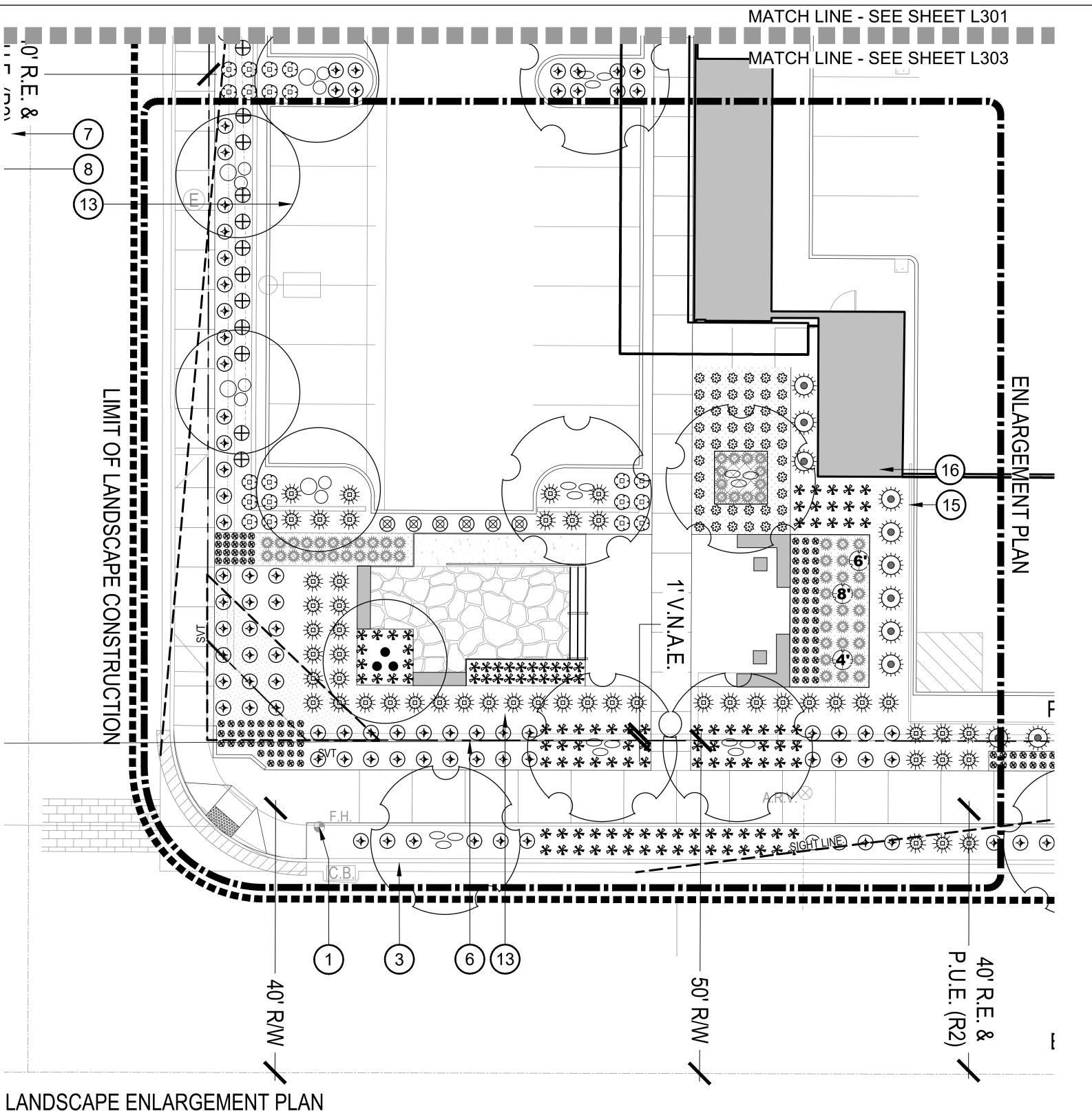
LANDSCAPE PLAN

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				·
<u>E</u>	R PLANT SCHEDULE			
	BOTANICAL NAME COMMON NAME	SIZE	QTY.	NORTH SCALE 1" = 10'
	Aloe 'Blue Elf' Blue Elf Aloe	5 GAL	1/ POT	
		[1	

CONTAINE SYM. LC-1 15 GAL 1/ POT Lophocereus schottii var. monstrose 24" TALL **Totem Pole Cactus** Portulacaria afra 1 GAL 3/ POT Elephant's Food

NOTES: 1. INSTALL PER MANUFACTURER'S SPECIFICATIONS / INSTRUCTIONS.

MODEL: QR-AR-4224P | QCP CORP

LANDSCAPE CONTAINER SCHEDULE - STREET LEVEL

2. ALL CONTAINERS ARE TO BE IRRIGATED

PRODUCT

DESCRIPTION

ARRIS SERIES

DAVIS COLOR:

AGENT WHITE

- 3. SEE LANDSCAPE CONTAINER PLANT LEGEND FOR ALL PLANT MATERIAL
- 4. ALL LANDSCAPE CONTAINERS TO BE PRE-DRILLED WITH ONE (1) 1" DIA. HOLE FOR IRRIGATION AND DRAINAGE BY MANUFACTURER

(866)703.3434

MANUFACTURER

CONTACT

NOTES: ALL PLANTS REQUIRE APPROVAL BY THE LANDSCAPE

ARCHITECT PRIOR TO INSTALLATION.

QTY.

TOPDRESS

BLACK MEXICAN

BEACH PEBBLE

AT 2" DEEP

- ALL CONTAINERS ARE TO BE IRRIGATED.
- CONTAINER SOIL TO BE APPROVED BY LANDSCAPE ARCHITECT
- PRIOR TO INSTALLATION. SEE SPECS.
- PLANT QUANTITIES ARE PER CONTAINER.
- PLANT QUANTITIES ARE FOR CONTAINERS ONLY.
- PLANT QUANTITIES DO NOT REFLECT TOTAL QUANTITIES IN THE PLANT SCHEDULE.

TREES	BOTANICAL / COMMON NAME	SIZE	QTY	
••	OLNEYA TESOTA DESERT IRONWOOD	3" CALIPER	1	
8	PARKINSONIA X `DESERT MUSEUM` DESERT MUSEUM PALO VERDE	2" CALIPER	14	
89	PROSOPIS CHILENSIS CHILEAN MESQUITE	2" CALIPER	18	
PALM TREES	BOTANICAL / COMMON NAME	SIZE	QTY	
*	CYCAS REVOLUTA JAPANESE SAGO PALM	15 GAL	13	
SHRUBS	BOTANICAL / COMMON NAME	SIZE	QTY	
₿	ASCLEPIAS SUBULATA RUSH MILKWEED	5 GALLON	8	
600 S	BOUGAINVILLEA X `BAMBINO BABY MIA` BAMBINO BABY MIA	5 GALLON	20	
Ф	CALLISTEMON CITRINUS 'LITTLE JOHN' DWARF BOTTLE BRUSH	LE JOHN' 5 GALLON		
©	LEUCOPHYLLUM LAEVIGATUM CHIHUAHUAN SAGE	JM 5 GALLON		
8	RUELLIA BRITTONIANA 5 GALLON BLUE BELLLS		6	
•	RUELLIA PENNINSULARIS WILD PETUNIA	5 GALLON	42	
ACCENT	BOTANICAL / COMMON NAME	SIZE	QTY	
•	AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GALLON	88	
*	SANSEVIERIA MARGINATA DEVIL`S TONGUE	5 GALLON	25	
CACTUS	BOTANICAL / COMMON NAME	SIZE	QTY	
\oplus	CARNEGIEA GIGANTEA SAGUARO	-	3	
*	ECHINOCACTUS GRUSONII GOLDEN BARREL CACTUS	5 GALLON	124	
•	OPUNTIA ELLISIANA SPINELESS PRICKLY PEAR	5 GALLON	19	
GRASSES	BOTANICAL / COMMON NAME	SIZE	QTY	

GROUNDCOVER

PERENNIALS

SUCCULENTS

1. THORNY TREES, SHRUBS AND CACTI SHALL BE PLANTED SO THAT THEIR MATURE SIZE/CANOPY WILL BE AT LEAST 4 FEET AWAY FROM ANY WALKWAYS OR PARKING AREA CURBING.

| MUHLENBERGIA RIGENS

LANTANA X 'NEW GOLD'

NEW GOLD LANTANA

BOTANICAL / COMMON NAME

PURPLE HEART SETCREASEA

BOTANICAL / COMMON NAME

STEMLESS FOUR-NERVE DAISY

BOTANICAL / COMMON NAME

TETRANEURIS ACAULIS

ALOE X 'BLUE ELF'

SETCREASEA PALLIDA `PURPLE HEART`

DEER GRASS

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- (2) GAS METER SEE CIVIL DRAWINGS
- (3) CURB AND GUTTER SEE CIVIL DRAWINGS
- (4) CONCRETE WALK SEE CIVIL
- 5 UTILITIES SEE CIVIL DRAWINGS 6 PROPERTY LINE - SEE CIVIL DRAWINGS
- (7) WATER LINE SEE CIVIL DRAWINGS
- 8 SEWER LINE SEE CIVIL DRAWINGS 9 FUTURE GENERATOR - SEE CIVIL DRAWINGS
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- WALL SEE ARCHITECTURAL PLAN (18) DELIVERY RAMP/STAIRS - SEE ARCHITECTURAL/CIVIL PLANS

192

QTY

QTY

QTY

5 GALLON

1 GALLON

1 GALLON

1 Gallon

5 GALLON

SIZE

SIZE

SIZE

Devenney GROUF

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AGENCY APPROVALS:

REVISIONS DESCRIPTION DATE REV# A DRB REVIEW #1 REVISIONS 8/19/2019

SCALE: DRAWN: **REVIEWED**:

LANDSCAPE **ENLARGMENT** PLAN

JOB NUMBER:



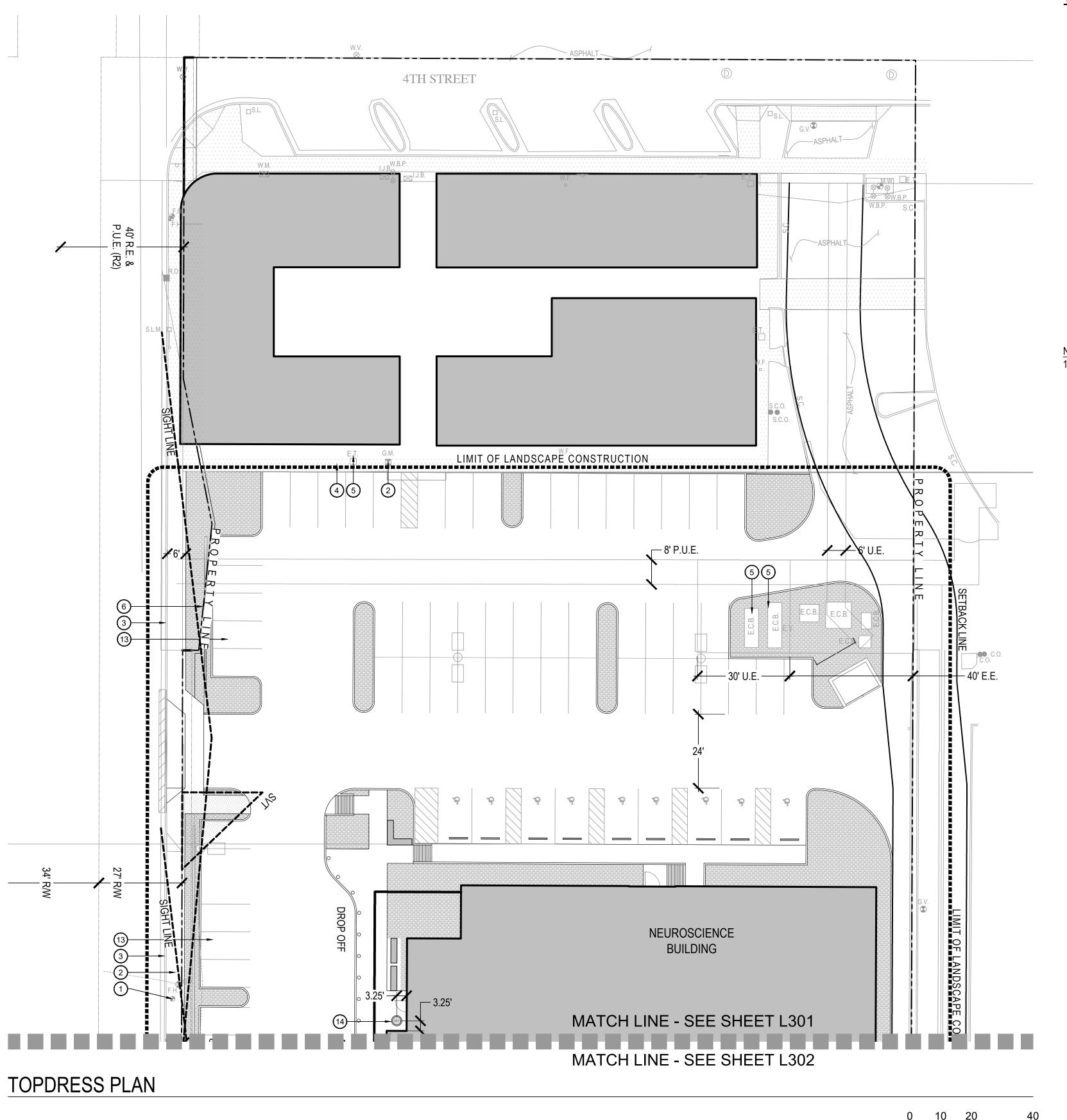
L303

08/19/19

ME/DP

As indicated

0017-02-0019



TOPDRESS SCHEDULE

T-1 TYPE 1 - DECOMPOSED GRANITE

SIZE: ½" SCREENED @ 2" MIN. DEPTH COLOR: TABLE MESA BROWN SOURCE: PIONEER SAND ALL LANDSCAPE AREAS

T-2 TYPE 2 - WHITE QUARTZ ROCK
SIZE: 1" SCREENED @ 2" MIN. DEPTH SOURCE: PIONEER SAND

T-3 TYPE 3 - BROWN BEACH PEBBLE SIZE: 1" @ 2" MIN DEPTH COLOR: BROWN

SOURCE: PIONEER SAND

T-4 TYPE 4 - RIP RAP SIZE: 3" SCREENED

COLOR: TABLE MESA BROWN SOURCE: PIONEER SAND

T-5) TYPE 5 - DECOMPOSED GRANITE
SIZE: 3/8" MINUS AT 3" MINIMUM DEPTH COLOR: TABLE MESA BROWN SOURCE: PIONEER SAND

1. CONTRACTOR TO PROVIDE SAMPLES OF ALL TOPDRESS MATERIALS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

1) FIRE HYDRANT - SEE CIVIL DRAWINGS

3 CURB AND GUTTER - SEE CIVIL DRAWINGS

(4) CONCRETE WALK - SEE CIVIL

12 LOADING AREA - SEE ARCHITECTURAL

(14) LANDSCAPE CONTAINERS SEE DETAIL 2/L202

ARCHITECTURAL PLANS

(16) PARKING LOT STAIR WELL - SEE ARCHITECTURAL PLANS

WALL - SEE ARCHITECTURAL PLAN

KEY NOTES

(2) GAS METER - SEE CIVIL DRAWINGS

DRAWINGS

5 UTILITIES - SEE CIVIL DRAWINGS

6 PROPERTY LINE - SEE CIVIL DRAWINGS

7 WATER LINE - SEE CIVIL DRAWINGS

8 SEWER LINE - SEE CIVIL DRAWINGS

9 FUTURE GENERATOR - SEE CIVIL DRAWINGS

10 PROPOSED TRANSFORMER - SEE CIVIL DRAWINGS

11) TRASH COMPACTOR LOCATION - SEE ARCHITECTURAL SITE PLAN

SITE PLAN

(13) SETBACK LINE - SEE CIVIL DRAWINGS

(15) PARKING LOT SCREEN WALL - SEE

(17) MECHANICAL EQUIPMENT SCREEN

(18) DELIVERY RAMP/STAIRS - SEE ARCHITECTURAL/CIVIL PLANS Devenney GROUF

Devenney Group Ltd., Architects

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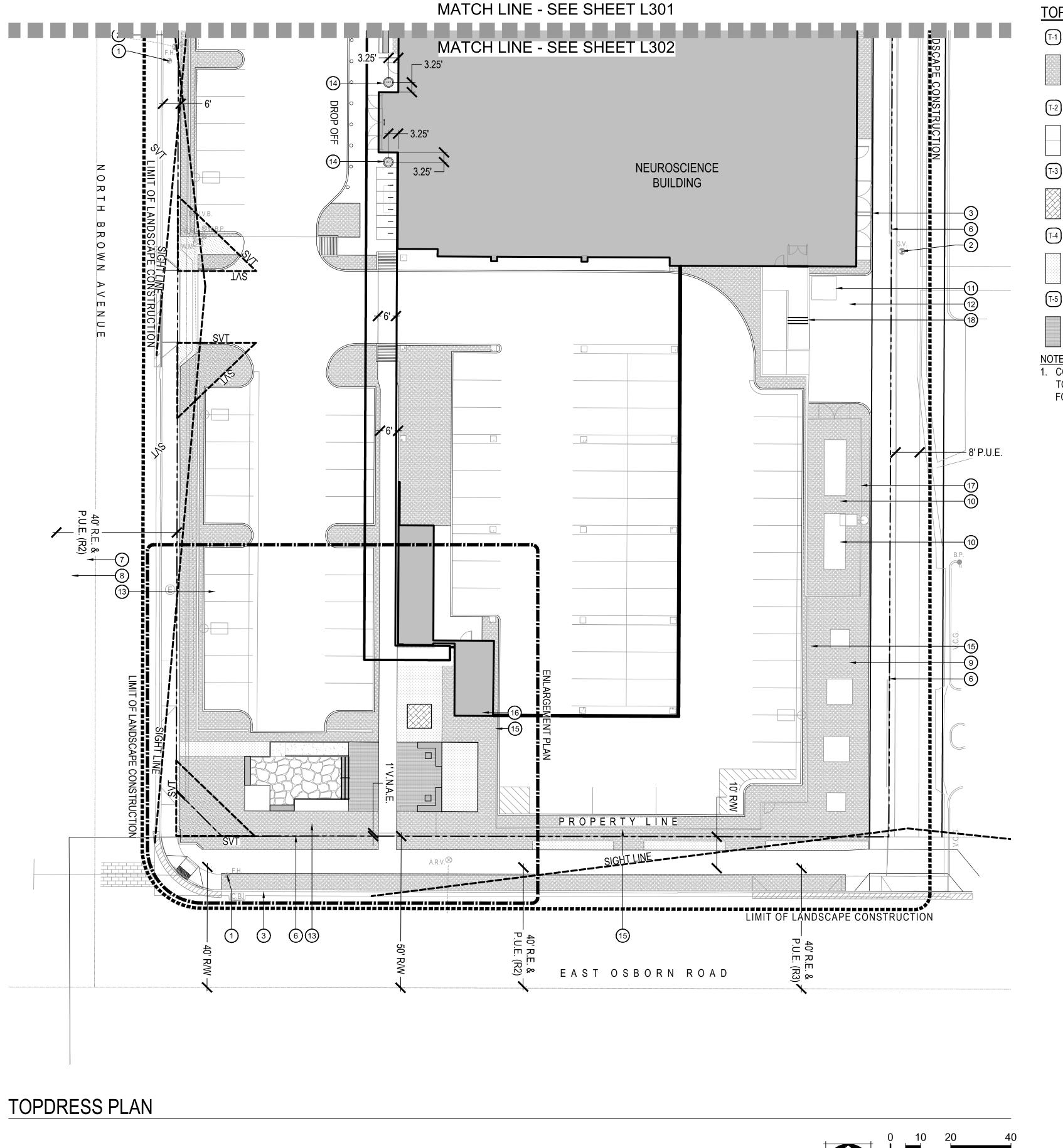
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REV#	DESCRIPTION	DATE
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08/19/19 SCALE: As indicated DRAWN: REVIEWED: ME/DP JOB NUMBER: 0017-02-0019

TOPDRESS PLAN

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L304



TOPDRESS SCHEDULE

TYPE 1 - DECOMPOSED GRANITE SIZE: ½" SCREENED @ 2" MIN. DEPTH

COLOR: TABLE MESA BROWN SOURCE: PIONEER SAND ALL LANDSCAPE AREAS

T-2 TYPE 2 - WHITE QUARTZ ROCK
SIZE: 1" SCREENED @ 2" MIN. DEPTH SOURCE: PIONEER SAND

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(4) CONCRETE WALK - SEE CIVIL

9 FUTURE GENERATOR - SEE CIVIL DRAWINGS

10 PROPOSED TRANSFORMER - SEE CIVIL DRAWINGS

11 TRASH COMPACTOR LOCATION - SEE

12 LOADING AREA - SEE ARCHITECTURAL SITE PLAN

(13) SETBACK LINE - SEE CIVIL DRAWINGS

ARCHITECTURAL PLANS

ARCHITECTURAL PLANS

WALL - SEE ARCHITECTURAL PLAN

ARCHITECTURAL/CIVIL PLANS

KEY NOTES

1) FIRE HYDRANT - SEE CIVIL DRAWINGS

② GAS METER - SEE CIVIL DRAWINGS

3 CURB AND GUTTER - SEE CIVIL DRAWINGS

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6 PROPERTY LINE - SEE CIVIL DRAWINGS

7) WATER LINE - SEE CIVIL DRAWINGS

8 SEWER LINE - SEE CIVIL DRAWINGS

ARCHITECTURAL SITE PLAN

(14) LANDSCAPE CONTAINERS SEE DETAIL 2/L202

(15) PARKING LOT SCREEN WALL - SEE

(16) PARKING LOT STAIR WELL - SEE

(17) MECHANICAL EQUIPMENT SCREEN

(18) DELIVERY RAMP/STAIRS - SEE

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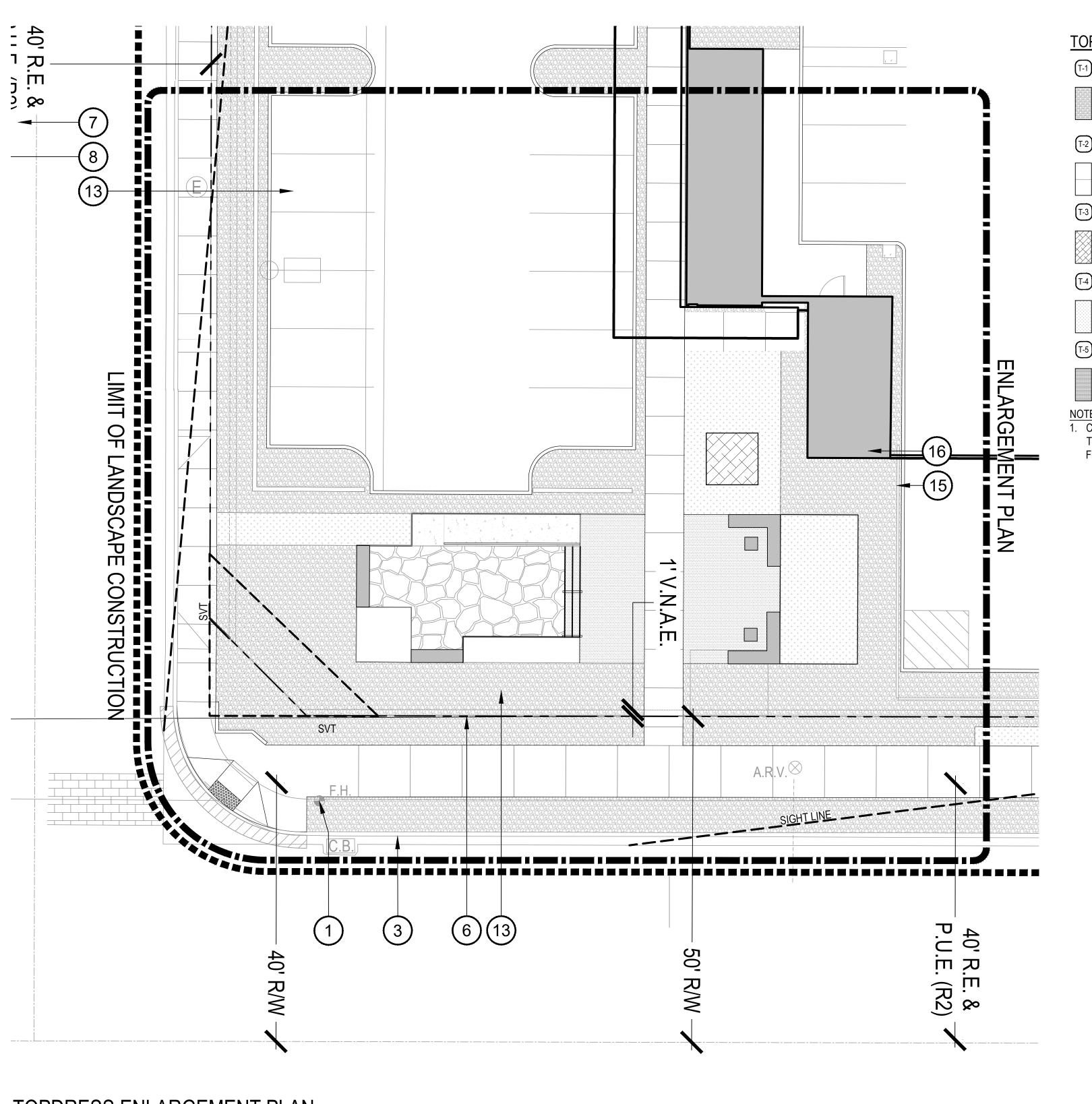
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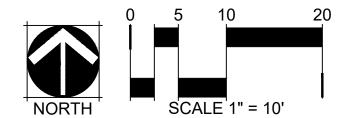
TOPDRESS PLAN

L305

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TOPDRESS ENLARGEMENT PLAN



TOPDRESS SCHEDULE

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- ② GAS METER SEE CIVIL DRAWINGS
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- 10 PROPOSED TRANSFORMER SEE
- ARCHITECTURAL SITE PLAN
- SITE PLAN
- (13) SETBACK LINE SEE CIVIL DRAWINGS
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- CIVIL DRAWINGS
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- 12 LOADING AREA SEE ARCHITECTURAL

- (17) MECHANICAL EQUIPMENT SCREEN WALL - SEE ARCHITECTURAL PLAN
- ARCHITECTURAL/CIVIL PLANS



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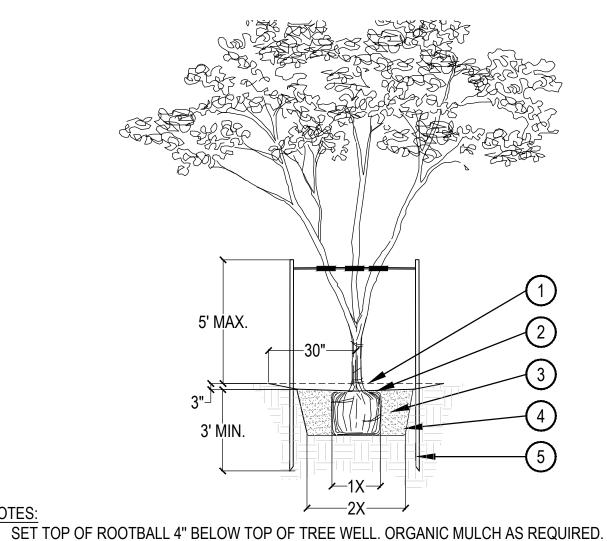
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TOPDRESS PLAN

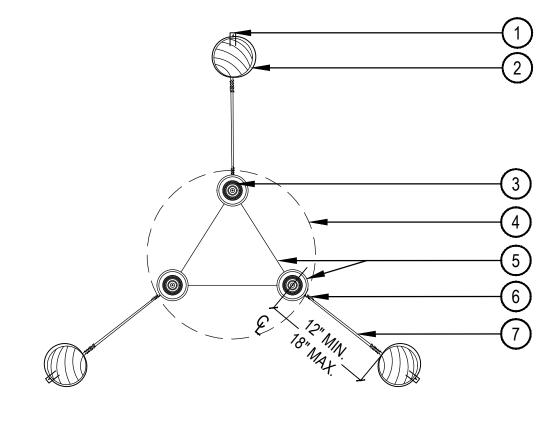
L306





1 FINISHED GRADE

- (2) 3" DEEP TREE WELL, BLEND TO FINISH GRADE.
- 3 BACKFILL WITH NATIVE SOIL WATER SETTLE. HOLE SIZE: 2X WIDTH OF ROOTBALL. LOOSEN SOIL 3X WIDTH OF ROOTBALL.
- (4) SIDES OF PLANT PIT SHALL BE SCARIFIED AND SLOPING.
- (5) 2" DIA PRESSURE TREATED 8'-0" LODGEPOLE PINE TREE STAKES. SEE NOTE 2.



1) BEND TWISTED WIRES DOWN AND STAPLE TO STAKE

- 2) PRESSURE TREATED 2" DIA. 8"-0" LODGEPOLE PINE
- 3 TREE STEM
- 4 ROOT BALL
- (5) TWO STRAND 12 GA. GALV. WIRE IN 3/4" DIA. VINYL TWO-PLY FABRIC-BEARING HOSE 6"-8" DIA. KEEP ROUND TO ENSURE ALLOWANCE FOR NATURAL SWAY DO NOT CONSTRICT TRUNK
- (6) TWIST WIRE MIN. 4 TIMES AT ALL LOCATIONS SHOWN

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

PLANTING MIX TO BE NATIVE SITE

NOT USE WATER TO SETTLE

PLANTING HOLE WIDTH SHALL BE

EXTENSION OF THE ROOTS.

(4) ROOT PRUNE ALL SHREDDED OR

1. USE NATIVE SOIL ONLY IN PIT. NO

2. DO NOT CREATE BASIN AT BASE

OF CACTUS. SLOPE BACKFILL

DAMAGES TO ROOTS AND DUST

ENTIRE ROOT STRUCTURE WITH

WETTABLE SULPHUR (1.5 MIN.) AT

USE 6"-8" ROCKS TO ANCHOR ROOTS.

NO DEEPER THAN THE

2X THE DIAMETER OF ROOTS AND

BACKFILL MIX.

PLANTING SITE.

MULCH

SOIL. PACK THE BACKFILL MIX, DO

7 ONE CONTINUOUS PIECE #12 GALVANIZED ANNEALED NEW STEEL WIRE EACH SIDE

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LANDSCAPE DETAILS

L401

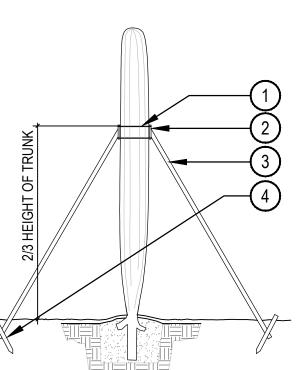
- 2. DRIVE TREE STAKES 3' MIN. INTO GROUND TO FIRM BEARING, TAKE CARE NOT TO DAMAGE ROOTBALL. SAW STAKES ABOVE TIE TO PREVENT ABRASION TO OTHER BRANCHES. SEE MULTI-TRUNK TREE STAKING DETAIL.
- 3. INSTALL BERM ON DOWNSIDE OF SLOPES FOR TREES ON GRADE OF 5:1 OR GREATER.

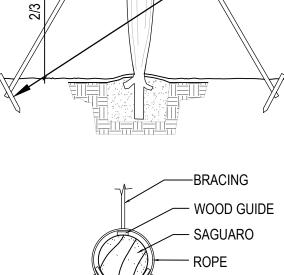
MULTI-TRUNK TREE PLANTING

1. ALL SAGUARO OVER 4' PLANTED HEIGHT MUST BE

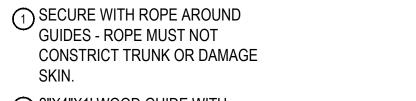
- STAKED. 2. ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS.
- 3. ENSURE ALL WOUNDS TO ROOT SYSTEM ARE CLEAN CUT BEFORE PLANTING.
- 5. PLANT PIT TO BE 6" MIN. WIDER THAN EXTENT OF
- SEVERED LATERAL ROOTS. 6. CUT THROUGH TAP ROOT TO PROVIDE FLAT BASE W/DIA. SUFFICIENT TO SUPPORT WEIGHT OF PLANT
- W/O SINKAGE. 7. BACKFILL PIT WITH 6" LAYER OF RODDED, COMPACTED, DRY NATIVE SOIL.
- 8. PLANTING DEPTH TO BE AT DEPTH PLANT WAS ORIGINALLY GROWN. 9. ENSURE SURFACE WATER CANNOT STAND AGAINST
- THE ROOT COLLAR. 10. ALL SAGUARO PLACEMENTS MUST MATCH ORIGINAL ORIENTATION W/ ORIGINAL NORTH SIDE FACING NORTH. NORTHSIDE OF PLANTS TO BE MARKED BY
- THE NURSERY. 11. SAGUARO ARE SPECIFIED BY HEIGHT. A VARIETY OF HEIGHTS MAY BE ACCEPTABLE PROVIDED THE AVERAGE IS NOT LESS THAN THAT SPECIFIED.
- 12. DO NOT WATER FOR THREE WEEKS FOLLOWING PLANTING.

SAGUARO STAKING

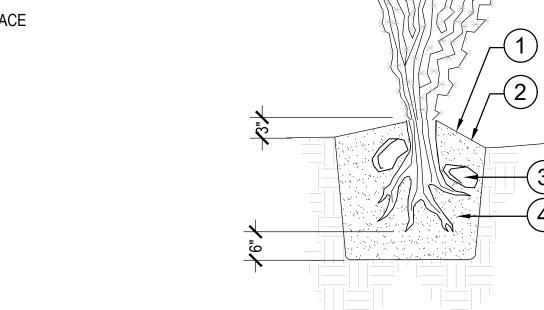




MULTI-TRUNK TREE STAKING SCALE: 3/16" = 1'-0"



- 2 2"X4"X1' WOOD GUIDE WITH CARPET AGAINST TRUNK
- (3) 2"X4' BRACE 3 PER TRUNK
- (4) STAKE TO BE NAILED TO BRACE



AWAY FROM PLANT. 3. WATER WEEKLY THROUGHOUT THE SUMMER. MAINTAIN ORIGINAL GROWING ORIENTATION.

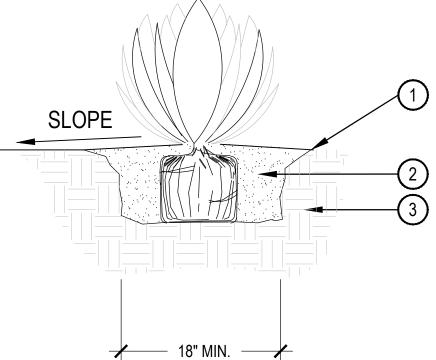
SCALE: NTS

COLUMNAR CACTUS PLANTING

1) FINISHED GRADE (2) BACKFILL WITH NATIVE SOIL. HOLE SIZE: 2X WIDTH OF ROOTBALL. LOOSEN SOIL 3X WIDTH OF ROOTBALL. WATER SETTLE

3 UNDISTURBED SUBGRADE

- 1. BROKEN OR CRUMBLING ROOT-BALLS WILL BE REJECTED 2. CARE SHOULD BE TAKEN NOT TO DAMAGE THE ROOTBALL WHEN REMOVING IT FROM ITS CONTAINER
- 3. DO NOT CREATE BASIN AT BASE OF ACCENT. SLOPE BACKFILL AWAY FROM PLANT.



THOROUGHLY INCORPORATE.25LBS. OF SOIL SULFUR INTO BACKFILL. WATER SETTLE AND TAMP BACKFILL BELOW ROOT SYSTEM. 3 UNDISTURBED SUBGRADE

1. DO NOT CREATE BASIN AT BASE OF ACCENT. SLOPE BACKFILL AWAY FROM PLANT.

1 FINISH GRADE

BACKFILL NATIVE SOIL,

2. USE DRY SITE SOIL ONLY IN PIT --NO MULCH

JOB NUMBER

ACCENT/ SUCCULENT PLANTING

PRICKLY PEAR PLANTING

SLOPE

→ 1X →

SCALE: NTS

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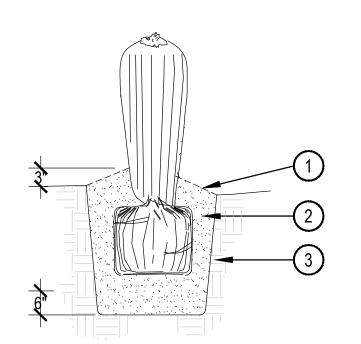
SCALE: NTS

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4. APPLY DUSTING SULFUR TO ALL AREAS BELOW



BARREL CACTUS PLANTING

OCOTILLO PLANTING

1 FINISHED GRADE

NATIVE SOIL, THOROUGHLY INCORPORATE 0.25 LBS. OF SOIL SULFUR INTO BACKFILL. WATER SETTLE AND TAMP BACKFILL BELOW ROOT SYSTEM.

3 UNDISTURBED SUBGRADE

1. PLANT PIT TO BE 6" DEEPER THAN FREE EXTENSION OF ROOTS. 2. ROOT PRUNE ALL DAMAGED

ROOTS. INSPECTION OF ROOT SYSTEM BY LANDSCAPE ARCHITECT REQUIRED PRIOR TO INSTALLATION.

3. USE NATIVE SOIL ONLY IN PIT --NO MULCH

4. DO NOT CREATE BASIN AT BASE OF CACTUS. SLOPE BACKFILL AWAY FROM PLANT.

(1) USE 6" TO 8" DIA. ROCKS TO

(2) BACKFILL NATIVE SOIL,

ANCHOR ROOTS BELOW GRADE

THOROUGHLY INCORPORATE

6. SET TOP OF ROOT BALL 2"-3" ABOVE

CRUMBLING ROOTBALL WILL BE

GRADE. ANY BROKEN OR

1/2" REVEAL ON ALL PAVED SURFACES - GRADE FOR

(2) FINAL APPLICATION OF

(3) DECOMPOSED GRANITE /

DECORATIVE ROCK PER

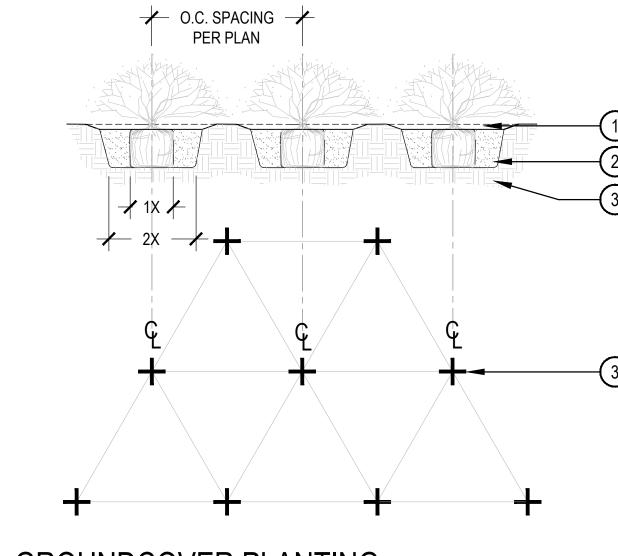
MATERIAL DEPTH AND REVEAL

TOPDRESS SCHEDULE - MIN. 2"

PRE-EMERGENT HERBICIDE

REJECTED.

5. AT SITE, DUST ENTIRE ROOT STRUCTURE WITH WETTABLE DUSTING SULFUR. (1.5 LBS. MIN.)



MULCH SOIL TO A DEPTH OF 2", 1" IN DIAMETER. KEEP MULCH 2" AWAY FROM PLANT BASE.

> BACKFILL WITH NATIVE SOIL. APPLY SLOW-RELEASE FERTILIZER TO SURFACE AWAY FROM TRUNK PER MANUFACTURER'S SPECIFICATIONS.

(3) PREPARE SOIL PER SPECIFICATIONS AND ROTATILL TO A DEPTH OF 6" PRIOR TO ANY SPRINKLER WORK.

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

(1) 3" DEEP WELL. BLEND TO

(2) BACKFILL WITH NATIVE SOIL.

HOLE SIZE: 2X WIDTH OF

ROOTBALL. LOOSEN SOIL 3X

(3) FINISH GRADE (TOP OF MULCH)

4 SIDES OF PLANT PIT SHALL BE SCARIFIED AND SLOPING

ROOT-BALLS WILL BE REJECTED

ROOT-BALL WHEN REMOVING IT

AND HIGH AS THE CONTAINER

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

4. PRUNE ALL DEAD OR DAMAGED

WOOD PRIOR TO PLANTING

WALKWAYS PER AMERICANS

WITH DISABILITIES ACT AND

INSTITUTE STANDARDS AND

REQUIREMENTS.

AMERICAN NATIONAL STANDARDS

2. CARE SHOULD BE TAKEN NOT TO

1. BROKEN OR CRUMBLING

DAMAGE THE SHRUB OR

3. DIG PLANT PIT TWICE AS WIDE

FROM ITS CONTAINER

WIDTH OF ROOTBALL. WATER

FINISHED GRADE

SETTLE

1. ALL GROUND COVERS TO BE PLANTED ON CENTER (SEE PLANT LEGENDO IN A TRIANGULAR

PATTERN.

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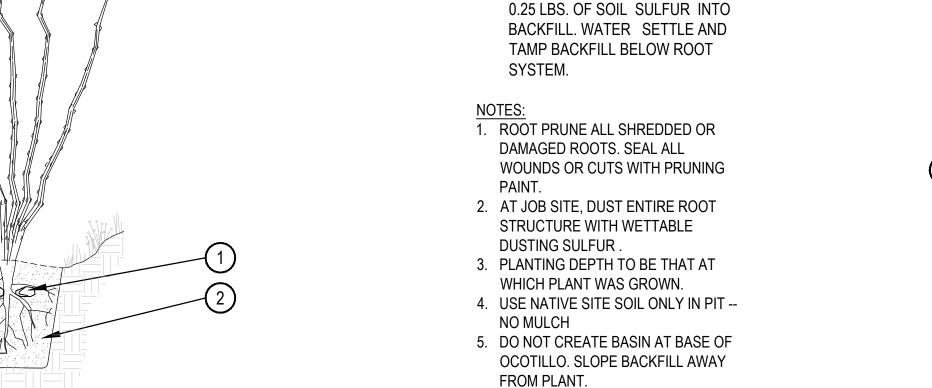
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L402

GROUNDCOVER PLANTING SCALE: NTS



TOPDRESS PER PLANS 2X CONTAINER

SHRUB + GROUNDCOVER PLANTING

1 ADA ACCESSIBLE WALKWAY 2 PLANTING AREA 3 TREE OR SHRUB 1. ALL TREES AND SHRUBS WILL BE PRUNED TO HAVE A 80" MINIMUM CLEARANCE AROUND DOORS AND 80" MIN.

SCALE: NTS

SCALE: NTS

NOTES:

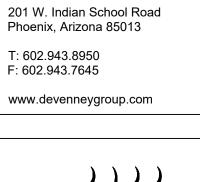
1. APPLY PRE-EMERGENT HERBICIDE
PER LABEL DIRECTIONS AND RATE

4 APPLY PRE-EMERGENT HERBICIDE TO SUBGRADE

ACCESSIBLE ROUTE CLEARANCE

Contact Arizona 811 at least two full working days before you begin excavation AR ZONA811 Call 811 or click Arizona811.com

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



Devenney Group Ltd., Architects

Devenney

GROUI

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CONSTRUCTION

OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION O SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

INSTITUTE

HONOR HEALTH

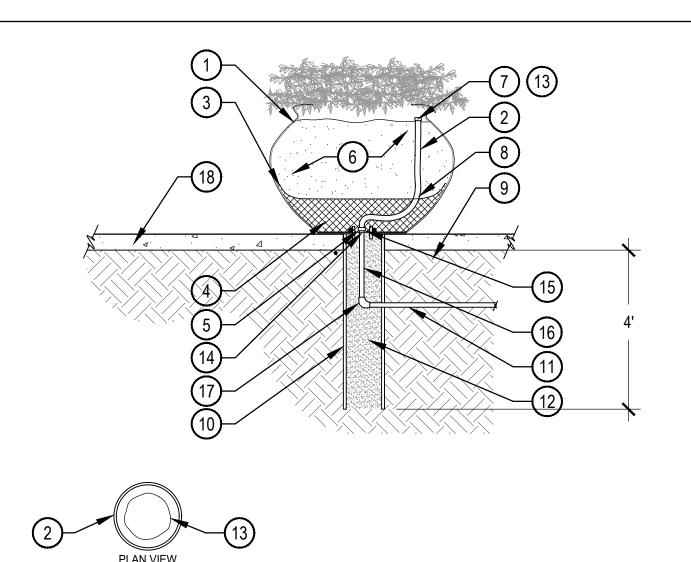
7242 E Osborn Rd, Scottsdale, AZ 85251

AUTHORITY HAVING JURISDICTION: AUTHORITY HAVING JURISDICTION'S PROJECT FACILITY NUMBER:

AGENCY APPROVALS:

08/19/19 SCALE: As indicated DRAWN: REVIEWED: ME/DP JOB NUMBER 0017-02-0019

LANDSCAPE DETAILS



LANDSCAPE CONTAINER: IRRIGATION AND DRAINAGE

- DECORATIVE POT CONTRACTOR 7 1/2" THREADED MALE ADAPTER 3 INSTALL LASER TUBING (OPENINGS © CLOCK) IN INSTALLED. DRILL (1) 2" DIA. HOLE FOR PVC LATERAL. LOCATION MAY VARY DUE TO POT GROUPINGS, VERIFY LOCATION PRIOR TO DRILLING. SEAL POTS WITH APPROPRIATE SEALANT.
- 2 1/2" IPS EXCALIBUR FLEXIBLE LATERAL LINE TO BE INSTALLED BY CONTRACTOR. INSTALL FLOOD EMITTER ABOVE SOIL, BURY LASER TUBING 2" BELOW SOIL LEVEL.
- 3 POROUS LANDSCAPE FILTER FABRIC.
- 4 GRAVEL DRAIN ROCK.
- 5 WATERTIGHT EPOXY SEAL (JB WELD OR EQUAL, NO SILICON). THOROUGHLY BOND PVC PIPE TO
- 6 PLANTING SOIL SEE SPECIFICATIONS
- BUBBLER EMITTER FOR ALL POTS UP TO 24" IN DIAMETER. FOR LARGER POTS INSTALL 1/2" PVC TEE WITH POLYETHYLENE CA ADAPTERS. CIRCLE PERIMETER OF POT WITH POLYETHYLENE TUBING. INSTALL (3-5) 1 GALLON (15) 1/2" THREADED SCH 80 PVC DRIP EMITTERS. EQUALLY SPACED ON POLYETHYLENE FOR EVEN WATER DISTRIBUTION.

 1/2" X LENGTH REQUIRED SCH 40 NIPPLE. CONFIRM QUANTITY OF EMITTERS WITH OWNER PRIOR TO INSTALLATION.

WITH FULLY ADJUSTABLE FLOOD

- 8 ANGLE FLEX PIPE AWAY FROM CENTER OF POT.
- 9 COMPACTED SUBGRADE
- 6" DIA. X 48" SLEEVE -CONTRACTOR TO INSTALL.
- IRRIGATION LATERAL LINE BY CONTRACTOR TO BE INSTALLED PRIOR TO PAVING, SEE IRRIGATION PLAN.
- (12) GRAVEL SUMP.

- (OPENINGS @ 6" O.C.) IN LIEU OF BUBBLERS FOR POTS 24" & LARGER.
- DRILL 2" O.D. HOLE IN POT BOTTOM AND INSERT 1 1/2" LONG 2" DIA PVC PIPE. SEE NOTES.
- COUPLING.
- 7 FITTING, ELL OR TEE, SEE
- IRRIGATION PLAN. FINISH GRADE - SEE HARDSCAPE

PLANS

1. ALL POTS SHALL BE PRE-DRILLED & INTERNALLY SEALED BY CONTRACTOR. 2. ALL POT IRRIGATION VALVES TO BE

REGULATORS. 3. ALL LANDSCAPE CONTAINERS TO BE PRE-DRILLED WITH ONE (1) 1" DIA. HOLE FOR IRRIGATION AND DRAINAGE BY QCP.

INSTALLED WITH 20 PSI PRESSURE

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



Devenney Group Ltd., Architects 201 W. Indian School Road Phoenix, Arizona 85013

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> 901 East Madison Street Phoenix, AZ 85034 P 602.254.9600 www.norris-design.com

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REV#	DESCRIPTION	DATE
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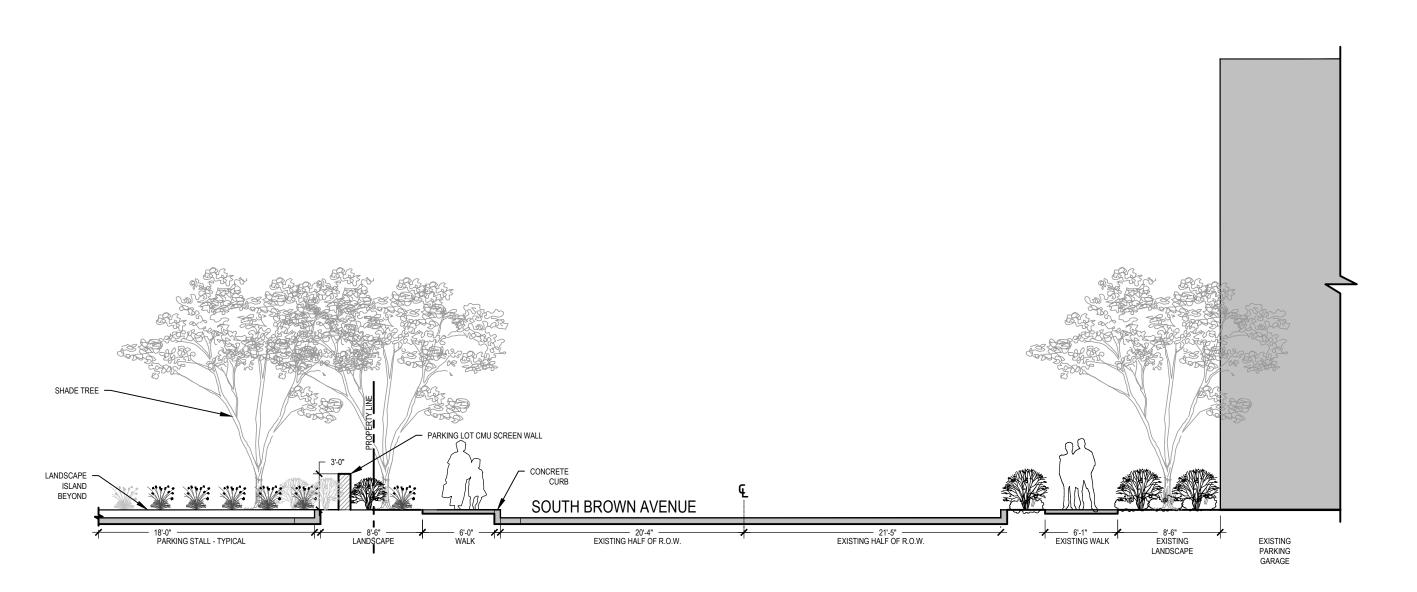
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LANDSCAPE DETAILS



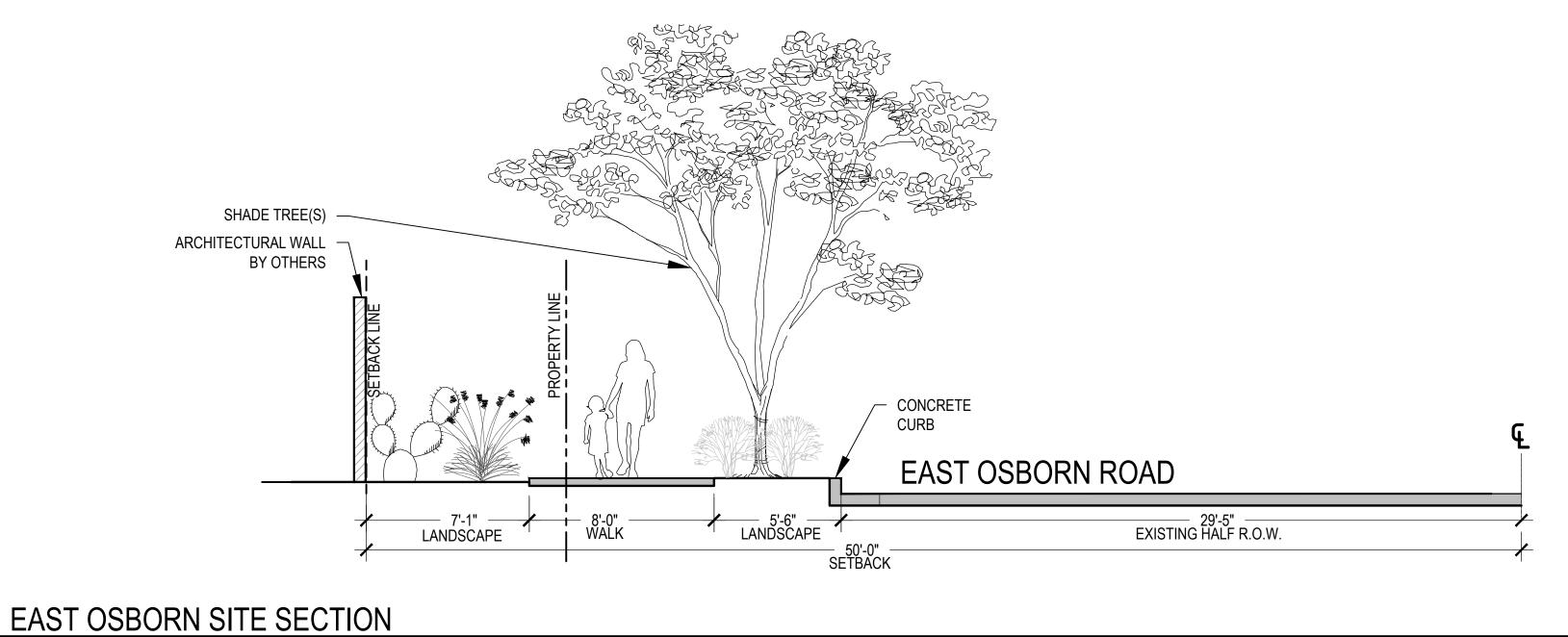
L403

20-DR-2019 8/21/2019



BROWN AVENUE STEETSCAPE SECTION

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



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



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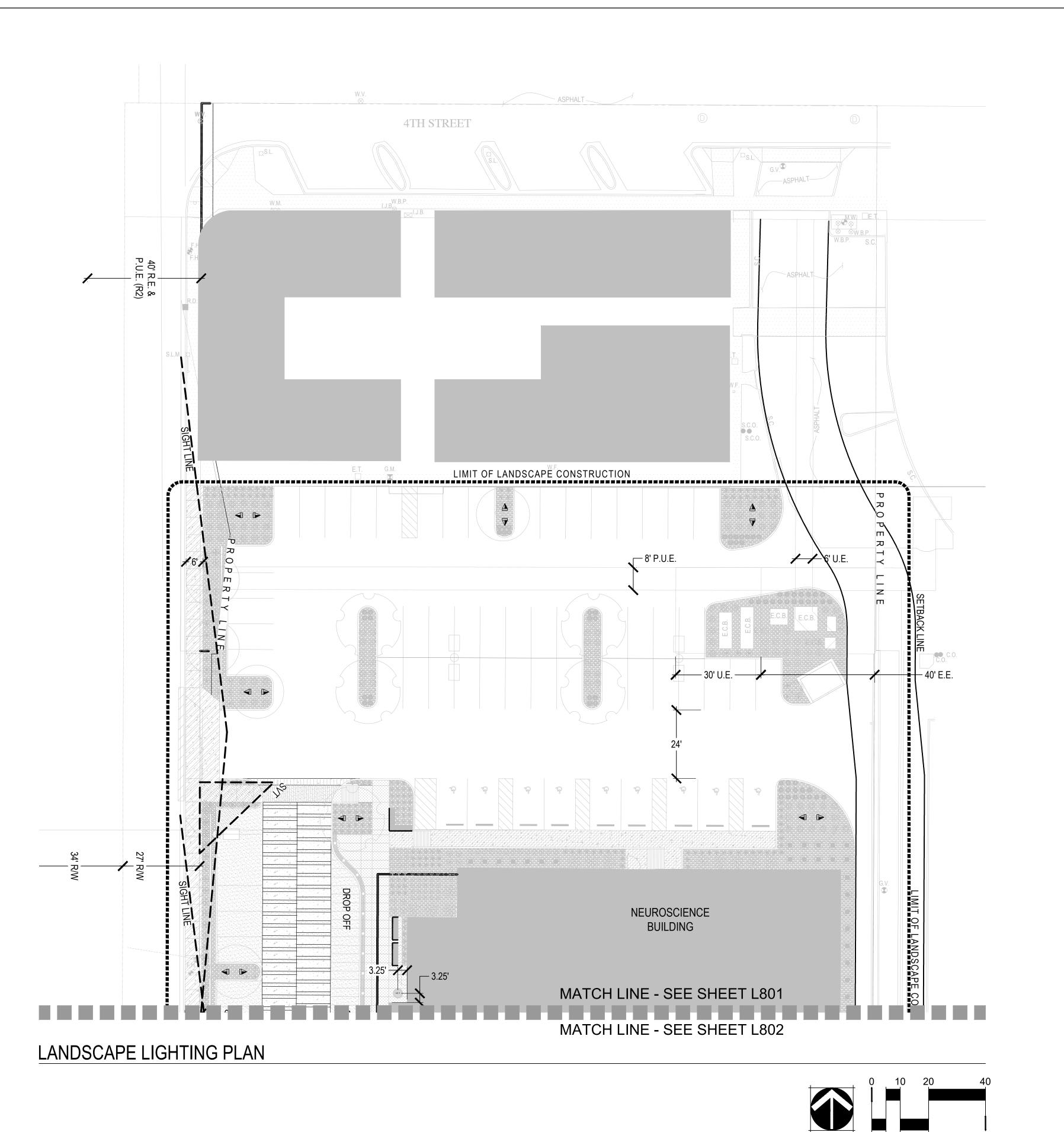
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STREETSCAPE SECTIONS

AM





LANDSCAPE LIGHTING SCHEDULE - POOL LEVEL MODEL QTY. PRODUCT MANUFACTURER CONTACT DESCRIPTION FR-ZD-3LED-LS-AT 49 TREE UP LIGHT F/X LUMINAIRE 760.744.5240 WALL UP LIGHT F/X LUMINAIRE KG-ZD-3LED-BZ 760.744.5240 LED-TCO-10-RGB LED TAPE LIGHT WAC LIGHTING 800.526.2588 LINEAR

1. ALL EXTERNAL LIGHTING SHALL BE LOCATED AND DESIGNED TO PREVENT RAYS FROM BEING DIRECTED OFF OF THE PROPERTY UPON WHICH THE LIGHTING IS LOCATED.

- 2. CONTRACTOR TO FURNISH ALL SPECIFIED LANDSCAPE LIGHTS.
- 3. CONTRACTOR TO VERIFY LOCATION AND QUANTITIES OF ALL LANDSCAPE LIGHTS.
- 4. CONTRACTOR TO COORDINATE WITH OWNER TO PROVIDE TRANSFORMERS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 5. CONTRACTOR TO PROVIDE PHOTOCELL AND TIMER TO DIRECTLY SERVE LANDSCAPE LIGHTS.
- 6. ALL LIGHTING PRODUCT COLORS AND FINISHES TO BE APPROVED BY LANDSCAPE ARCHITECT.



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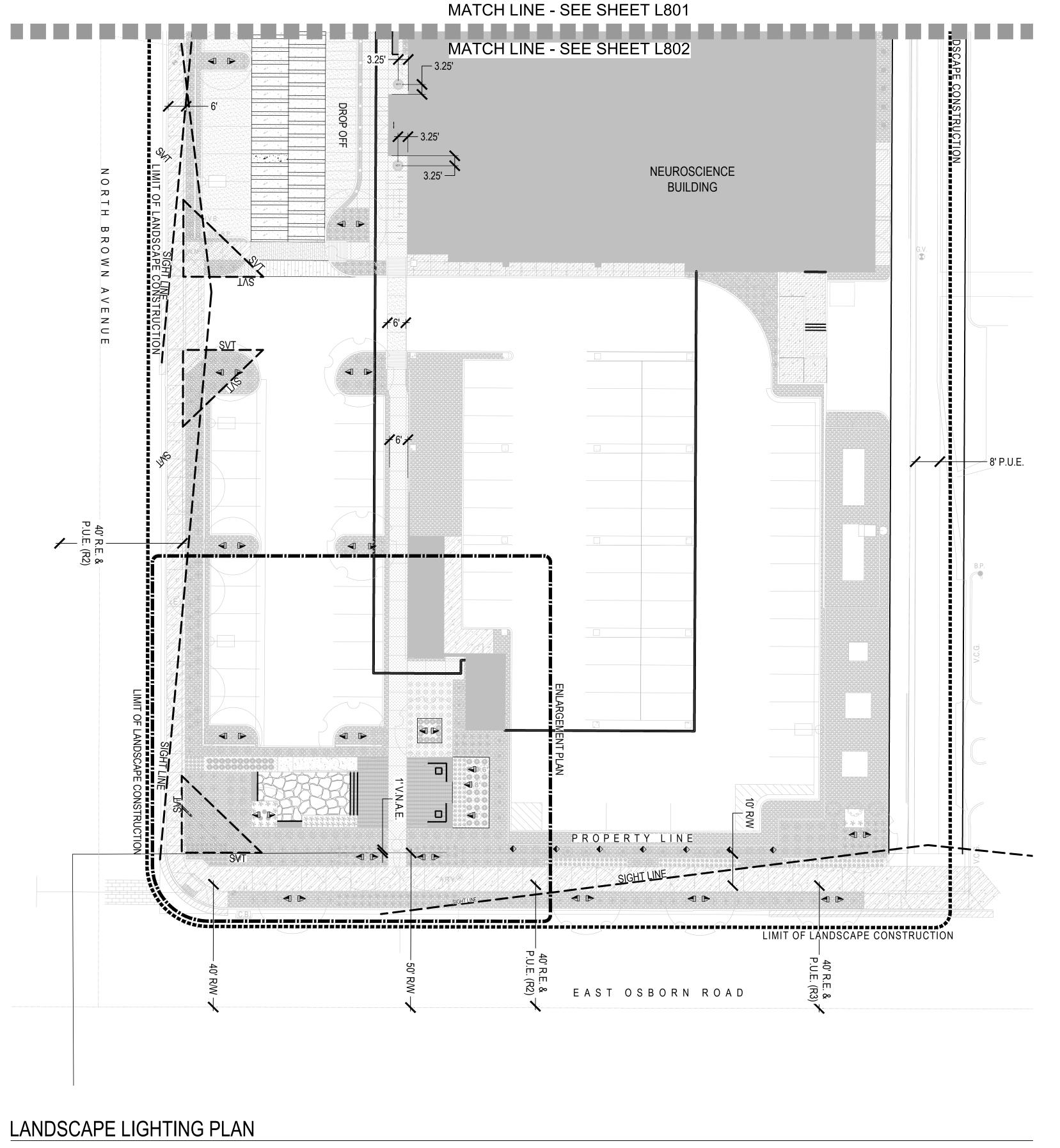
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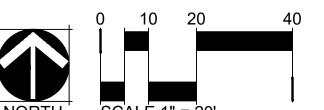
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DESCRIPTION	DATE
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	DESCRIPTION

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LANDSCAPE LIGHTING [∞] PLAN

Contact Arizona 811 at least two full working days before you begin excavation AR ZONA811 Call 811 or click Arizona811.com





LANDSCAPE LIGHTING SCHEDULE - POOL LEVEL MODEL QTY. MANUFACTURER PRODUCT CONTACT DESCRIPTION FR-ZD-3LED-LS-AT 49 TREE UP LIGHT F/X LUMINAIRE 760.744.5240 WALL UP LIGHT F/X LUMINAIRE KG-ZD-3LED-BZ 760.744.5240 LED-TCO-10-RGB LED TAPE LIGHT WAC LIGHTING 800.526.2588 LINEAR

<u>NOTES:</u> 1 ΔΙΙ Ε

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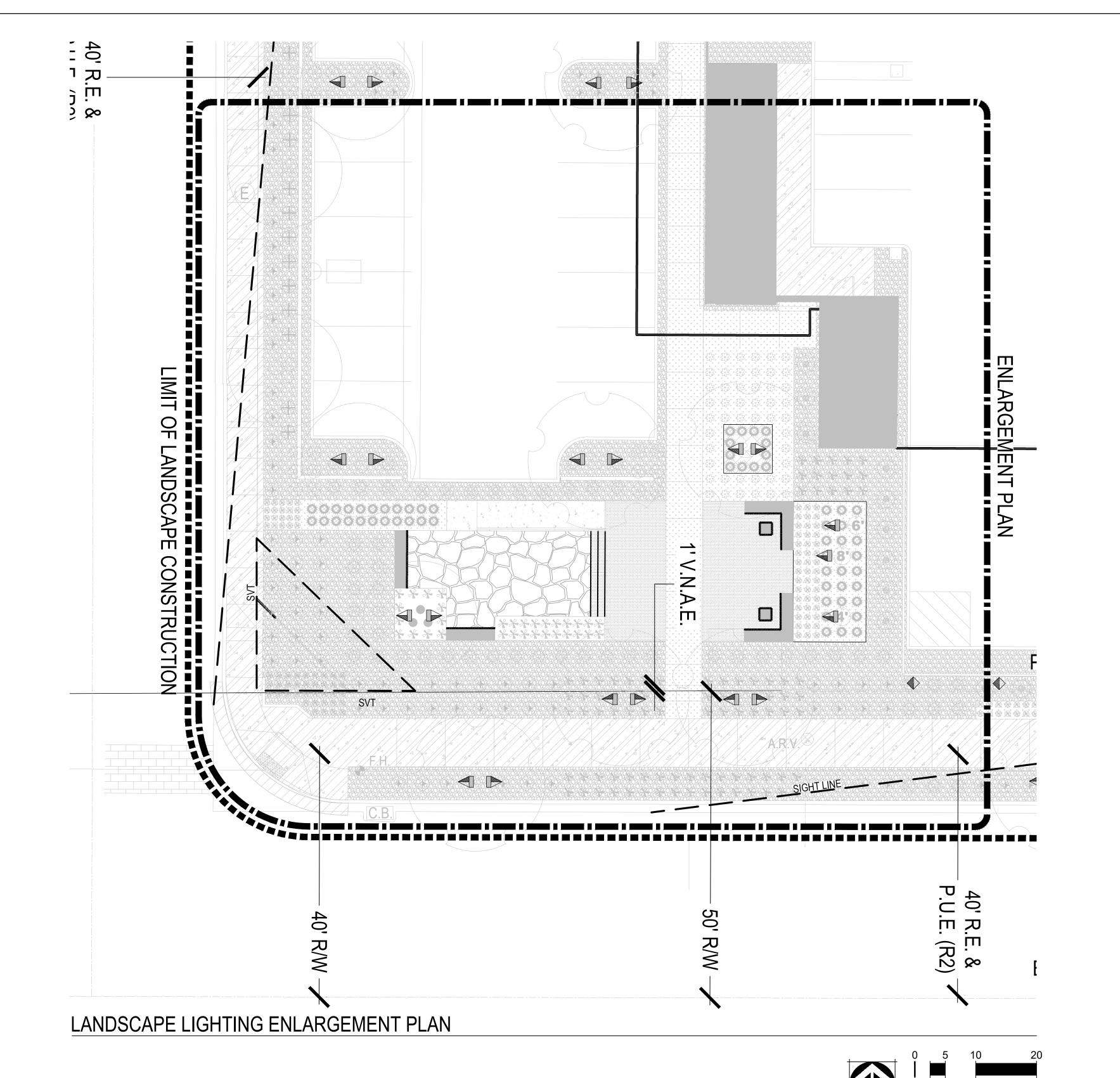
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LANDSCAPE LIGHTING PLAN

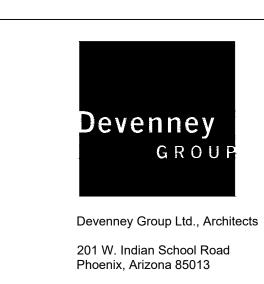




LANDSCAPE L	IGHTING SCHEDU	LE - POOL LEVEL		
SYM.	PRODUCT DESCRIPTION	MANUFACTURER CONTACT	MODEL	QTY.
	TREE UP LIGHT	F/X LUMINAIRE 760.744.5240	FR-ZD-3LED-LS-AT	49
	WALL UP LIGHT	F/X LUMINAIRE 760.744.5240	KG-ZD-3LED-BZ	11
	LED TAPE LIGHT	WAC LIGHTING 800.526.2588	LED-TCO-10-RGB	85 LINEAR FT.

<u>NOTES:</u> 1 ΔΙΙ ΕΣ

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LANDSCAPE
LIGHTING
ENLARGEMENT
PLAN

Contact Arizona 811 at least two full working days before you begin excavation

AR ZONA811

Call 811 or click Arizona811.com

DENNIS HARMON JR.

EXPIRES 03-31-22

COMPLETED SURVEY FIELD

WORK ON 4/19/2019

OF

JKP/DHJ

N.T.S.

194976

04/24/2019

CHECKED BY

JOB NUMBER

SCALE

SHEET

CAD TECHNICIAN

SP

NOTES

- ALL TITLE INFORMATION IS BASED ON A COMMITMENT FOR TITLE INSURANCE PREPARED BY CHICAGO TITLE INSURANCE COMPANY, ISSUING AGENT CHICAGO TITLE AGENCY, INC. ORDER NO. C1902801-346-SB2 ISSUED APRIL 2, 2019, RECEIVED ON APRIL 11, 2019.
- THE HORIZONAL DATUM FOR THIS SURVEY IS BASED ON THE MARICOPA COUNTY DEPARTMENT OF TRANSPORATION (MCDOT) GEODETIC DENSIFICATION AND CADASTRAL SURVEY (GDACS) WEBSITE "WWW.MCDOT.MARICOPA.GOV", UNDER THE SURVEY INFORMATION LINK ON MARCH

PROJECTION: ARIZONA CENTRAL ZONE, NAD 83, (EPOCH 1992) DATUM: GRS-80 UNITS: INTERNATIONAL FEET **GEOID MODEL: GEOID 12A** HORIZONTAL ADJUSTMENT: NONE HORIZONTAL ROTATION: NONE

CONTROL POINT # 24592-1 LATITUDE: 33°29'15.54023"N LONGITUDE: 111°55'34.09457" W **ELLIPSOID HEIGHT: 1149.358** DESCRIPTION: 3" CITY OF SCOTTSDALE BRASS CAP IN HANDHOLE

MODIFIED TO GROUND AT (GRID) N: 904956.891, E: 697112.599, BEING THE WEST 1/4 CORNER OF SECTION 26, T.2N., R.4E. G&SRM, AND USING A SCALE FACTOR OF 1.0001548688.

- THIS SURVEY WAS PERFORMED WITH GLOBAL POSITIONING SYSTEM EQUIPMENT UTILIZING REAL TIME KINEMATICS SURVEYING METHODS. THE MONUMENTS LOCATED ARE WITHIN THE POSITIONAL TOLERANCES RECOMMENDED IN THE ALTA/NSPS SURVEY REQUIREMENTS ADOPTED FOR USE IN 2016 BY THE AMERICAN LAND TITLE ASSOCIATION AND THE NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS.
- AREA OF PARCEL 1 IS 132,447 SQUARE FEET OR 3.0360 ACRES, MORE OR LESS. AREA OF EXCEPTION PARCEL IS 304 SQUARE FEET OR 0.0070 ACRES, MORE OR LESS. TOTAL AREA IS 132,751 SQUARE FEET OR 3.0475 ACRES, MORE OR LESS.
- THE ABBREVIATIONS THAT APPEAR WITH THE RECORD INFORMATION REPRESENT THE
 - ABOVE NAMED TITLE COMMITMENT
 - DOCUMENT, DOCKET 5702, PAGE 516, M.C.R.
 - DOCUMENT, DOCKET 2785, PAGE 580, M.C.R.
 - MAP OF DEDICATION, BOOK 576, PAGE 16, M.C.R. MINOR LAND DIVISION BOOK 1300, PAGE 27, M.C.R.
 - (R5) PLSS SUBDIVISION RECORD OF SURVEY, BOOK 734, PAGE 10, M.C.R.
- ACCORDING TO FEMA FLOOD INSURANCE RATE MAP NO. 04013C2235L DATED OCTOBER 16, 2013, THE SUBJECT PROPERTY IS LOCATED IN OTHER AREAS ZONE X. OTHER AREAS ZONE X IS DESCRIBED AS: "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD."
- ANY DISTANCES, BEARINGS, DESCRIPTIONS, ETC., WHICH MAY VARY FROM THE PROVISIONS OF THE RECORD INFORMATION NOTED ABOVE REFLECT ACTUAL MEASURED DATA, OR THE BEST INTERPRETATION OF THE UNDERSIGNED.
- 8) SCHEDULE B ITEMS 10 AND 11 ARE BLANKET IN NATURE AND APPEAR TO AFFECT SUBJECT **PROPERTY**
- ADJOINING OWNER INFORMATION IS PER THE MARICOPA COUNTY ASSESSOR'S OFFICE GEOGRAPHIC INFORMATION SYSTEM (GIS) WEBSITE ON APRIL 23, 2019.
- 10) SCHEDULE B ITEMS A, 1, AND 2 ARE NOT PLOTTABLE. HOWEVER, SAID SCHEDULE B ITEMS MAY OR MAY NOT AFFECT SUBJECT PROPERTY.
- 11) IN THE OPINION OF THE UNDERSIGNED, SCHEDULE "B" ITEM 5 DOES NOT APPEAR TO AFFECT SUBJECT PROPERTY.
- 12) 202 TOTAL REGULAR PARKING SPACES AND 6 GOLF CART PARKING SPACES WERE OBSERVED IN THE PROCESS OF CONDUCTING THE SURVEY, AS FOLLOWS (AS DEPICTED 26 CROSS INTO ADJACENT PARCELS OR R/W): REGULAR: 197 / GOLF CART: 6 / HANDICAP: 5
- 13) SCHEDULE B ITEM 9 INDICATES A PARKING RELOCATION RIGHT AND EASEMENT. SAID RIGHTS AND EASEMENT TO BE WITHIN THE AREA BOUND BY SCOTTSDALE ROAD/ OSBORN ROAD/ DRINKWATER ROAD/ AND 2ND STREET. PARKING RELOCATION RIGHTS AND EASEMENTS ARE NOT PLOTTABLE HOWEVER, SAID SCHEDULE B ITEMS APPEAR TO AFFECT SUBJECT PROPERTY.
- 14) EXCEPTION PARCEL AND R/W DEDICATION SHOWN AS DOCUMENT NUMBERS 1999-8846376, AND 1997-884955, M.C.R. WAS NOT PROVIDED IN THE TITLE REPORT, OTHER THAN, AS MADE REFERENCE WITHIN SCHEDULE B ITEM 12. IT IS THE BELIEF OF THE UNDERSIGNED THAT THIS PARCEL WAS DEDICATED TO THE CITY OF SCOTTSDALE UNDER DOCUMENT NUMBER 1997-884955, M.C.R. UNTIL ADDITIONAL INFORMATION CAN BE PROVIDED BY THE ISSUING TITLE COMPANY.
- CENTERLINE FOR OSBORN ROAD IS SHOWN AT CURRENT MONUMENTAITON LINE WHICH SUBSTANTIALLY AGREES WITH (R4) USING EXISTING MONUMENTATION FOUND. CONTACTED SURVEYOR FOR RECORD PLAT (R) UNABLE TO DETERMINE DISCREPANCY. PROPERTY BOUNDARY SHOWN HEREON PER (R) DIMENSIONS.
- 16) THE RIGHT OF WAY FOR BROWN ROAD IS SHOWN HEREON BASED ON (R) DIMENSIONS, UNTIL FURTHER INFORMATION MAY BE PROVIDED. IT IS THE BELIEF OF THE UNDERSIGNED THAT NO INFORMATION HAS CURRENTLY BEEN PROVIDED AS THE THE DEDICATION OF THIS RIGHT OF WAY.

CERTIFICATION

TO: SCOTTSDALE HEALTHCARE HOSPITALS, AN ARIZONA NON-PROFIT CORPORTATION, F/K/A SCOTTSDALE MEMORIAL HOSPITALS, F/K/A WESTERN BAPTIST HOSPITAL OF SCOTTSDALE, F/K/A BAPTIST SCOTTSDALE CITY OF SCOTTSDALE

CHICAGO TITLE INSURANCE COMPANY, ISSUING AGENT CHICAGO TITLE AGENCY, INC.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 3, 4, 8, AND 9 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON APRIL 19, 2019.

DENNIS HARMON JR. R.L.S. 68083 WOOD, PATEL & ASSOCIATES, INC. 2051 WEST NORTHERN AVENUE - SUITE 100 PHOENIX, ARIZONA 85021 (602) 335-8500 SURVEYOR@WOODPATEL.COM

SCHEDULE "B" ITEMS

- Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I-Requirements are met.
- Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the year 2019.
- Any outstanding liabilities and obligations, including unpaid assessments, imposed upon said Land by reason of: (a) inclusion thereof within the boundaries of the Salt River Project Agricultural Improvement and Power District; (b) membership of the owner thereof in the Salt River Valley Water Users' Association, an Arizona corporation and (c) the terms of any Water Right Application made under the reclamation laws of the United States for the purposes of obtaining water rights for said Land.
- Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

December 24, 1974 Docket 10965, page 428

Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Underground electric lines July 28, 1994 Recording Date: Recording No:

Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose: Sight distance February 7, 1996 Recording Date: 96-0086378 Recording No:

Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Purpose: Underground electric Recording Date: October 29, 1999 99-0997610 Recording No:

Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

Electrical and Telecommunication lines Purpose: Recording Date: February 4, 2003 2003-0135157 Recording No:

Matters contained in that certain document

Abandonment Acceptance and Covenant By Parcel Lender, Tenant or Other Entitled:

Interest Holder (contains restrictions)

June 2, 2011 Recording Date: 20110464240 Recording No:

Reference is hereby made to said document for full particulars.

A resolution in favor of the City of Scottsdale, Arizona

Abandonment and Reservations November 2, 2011 Recording Date: 20110909415

Matters contained in that certain document

Development Agreement For Perimeter Exception September 3, 2014 Recording Date:

Reference is hereby made to said document for full particulars.

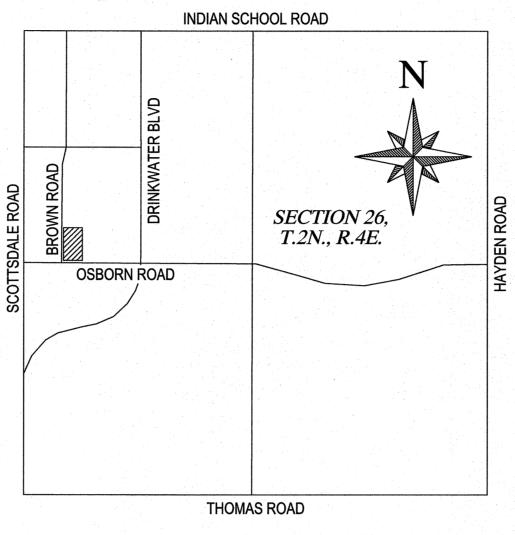
20140582197 Recording No:

Covenants, conditions, restrictions and easements but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, ancestry, or source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth in

Recording No: 20140589721

the document

Easements, covenants, conditions and restrictions as set forth on the plat recorded in Book 1308 of Maps,



VICINITY MAP

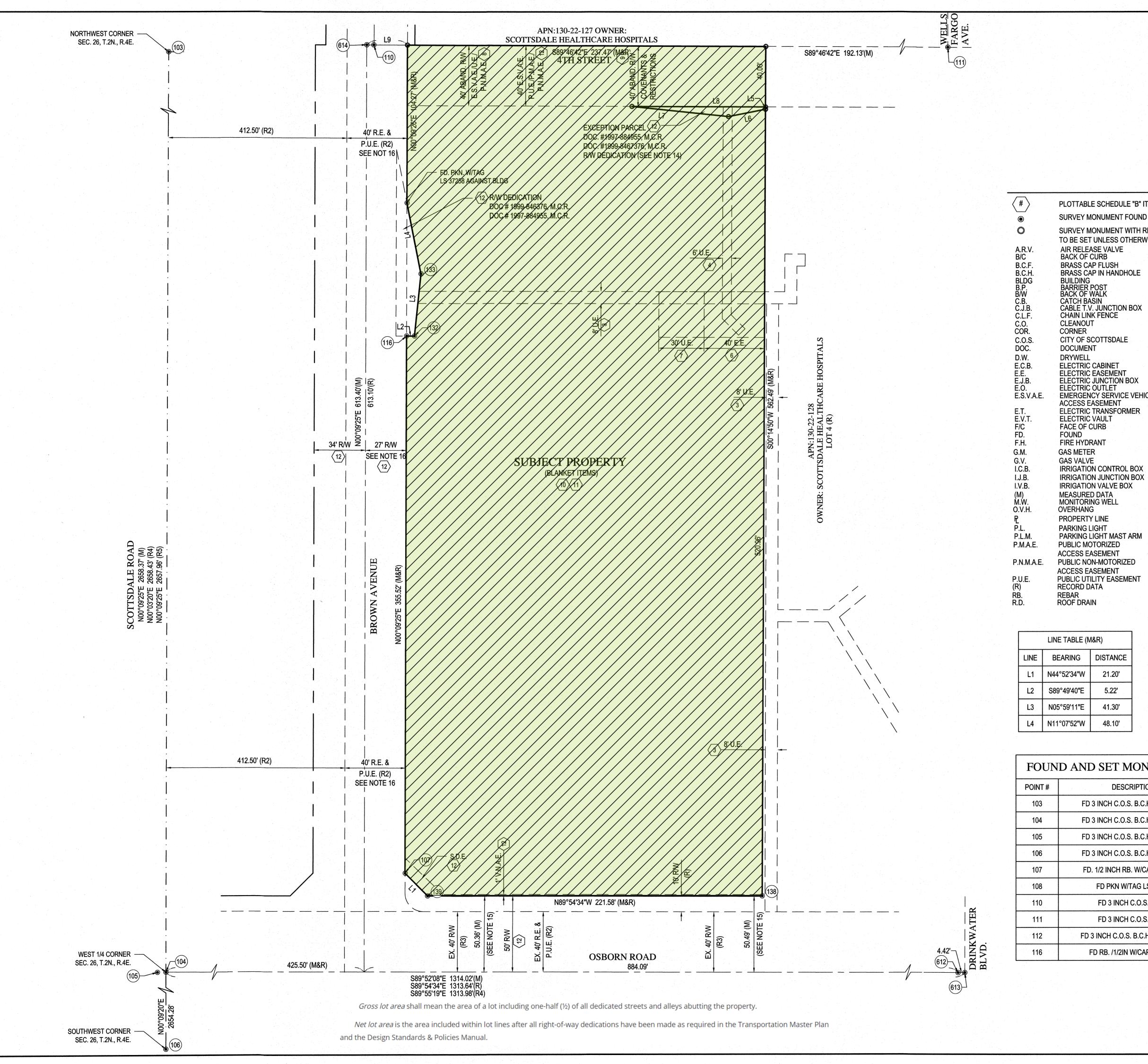
DESCRIPTION

(BASED ON COMMITMENT FOR TITLE INSURANCE PREPARED BY CHICAGO TITLE INSURANCE COMPANY ISSUING AGENT FOR CHICAGO TITLE AGENCY, INC., ORDER NO. C1902801-346-SB2, ISSUED APRIL 2, 2019, RECEIVED ON APRIL 11, 2019.)

THE LAND REFERRED TO HEREIN BELOW IS SITUATED SCOTTSDALE, IN THE COUNTY OF MARICOPA, STATE OF ARIZONA, AND IS DESCRIBED AS FOLLOWS:

Lot 5, of HONOR HEALTH - OSBORN MEDICAL CENTER, according to Book 1308 of Maps, page 21, records of Maricopa County, Arizona.

APN: 130-22-122

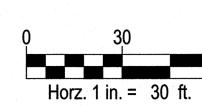




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LEGEND



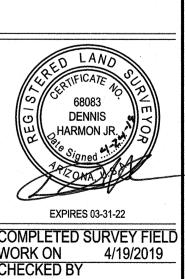
LINE TABLE (M&R)			
LINE	BEARING	DISTANCE	
L1	N44°52'34"W	21.20'	
L2	S89°49'40"E	5.22'	
L3	N05°59'11"E	41.30'	
L4	N11°07'52"W	48.10'	

	LINE TABLE (MA)				
		LINE TABLE ((IVI)		
	LINE	BEARING	DISTANCE		
	L5	S00°14'50"W	1.53'		
	L6	N78°52'33"E	25.03'		
	L7	S84°01'01"E	64.30'		
	L8	N89°46'42"W	88.52'		
	L9	S89°46'30"E	27.00'		
'		·			

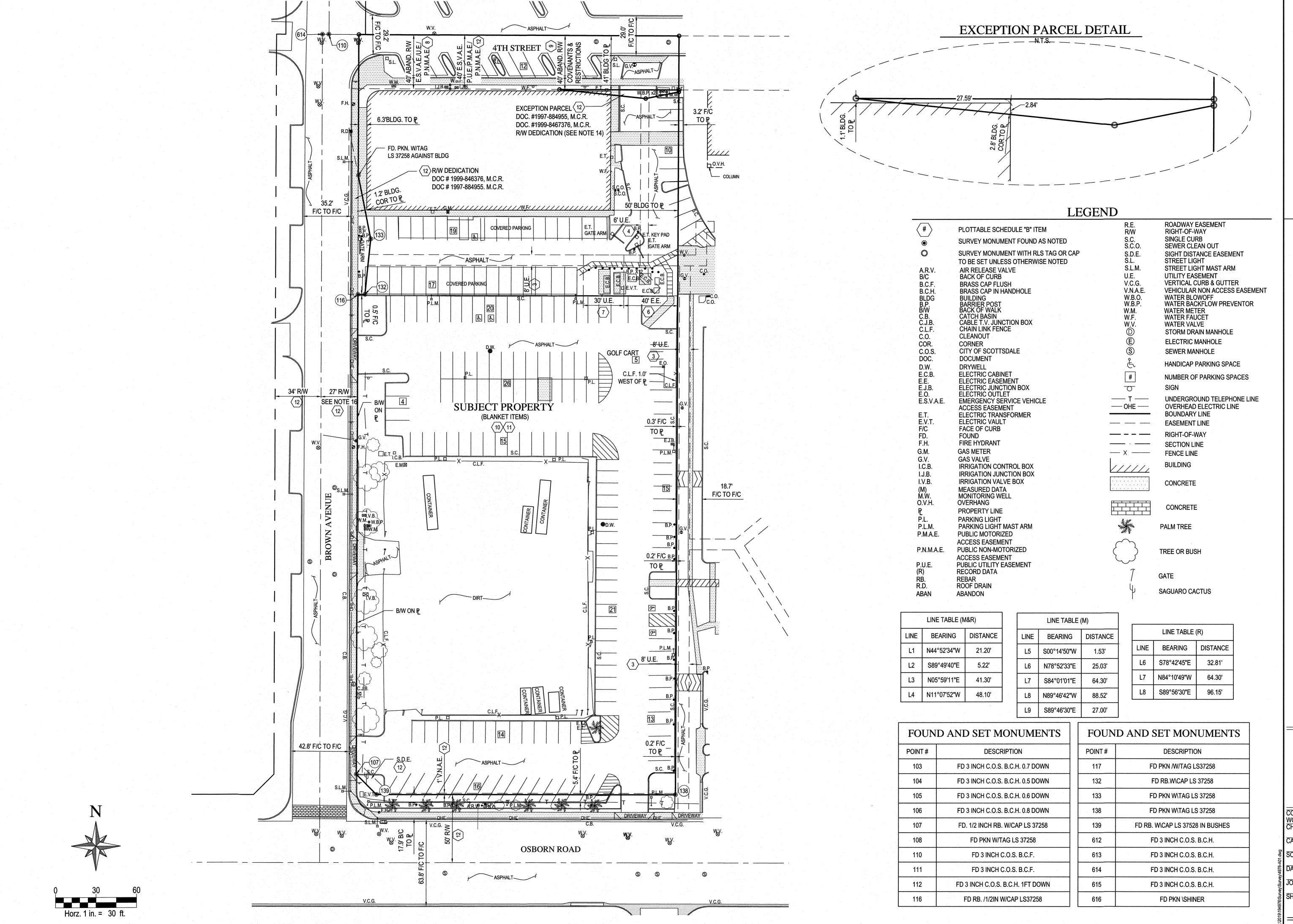
		LINE TABLE	(R)
1	LINE	BEARING	DISTANCE
	L6	S78°42'45"E	32.81'
1	L7	N84°10'49"W	64.30'
	L8	S89°56'30"E	96.15'
1			

SAGUARO CACTUS

FOUN	D AND SET MONUMENTS	FOUNI	AND SET MONUMENTS
POINT#	DESCRIPTION	POINT#	DESCRIPTION
103	FD 3 INCH C.O.S. B.C.H. 0.7 DOWN	117	FD PKN /W/TAG LS37258
104	FD 3 INCH C.O.S. B.C.H. 0.5 DOWN	132	FD RB.W\CAP LS 37258
105	FD 3 INCH C.O.S. B.C.H. 0.6 DOWN	133	FD PKN W/TAG LS 37258
106	FD 3 INCH C.O.S. B.C.H. 0.8 DOWN	138	FD PKN W\TAG LS 37258
107	FD. 1/2 INCH RB. W/CAP LS 37258	139	FD RB. WCAP LS 37528 IN BUSHES
108	FD PKN W/TAG LS 37258	612	FD 3 INCH C.O.S. B.C.H.
110	FD 3 INCH C.O.S. B.C.F.	613	FD 3 INCH C.O.S. B.C.H.
111	FD 3 INCH C.O.S. B.C.F.	614	FD 3 INCH C.O.S. B.C.H.
112	FD 3 INCH C.O.S. B.C.H. 1FT DOWN	615	FD 3 INCH C.O.S. B.C.H.
116	FD RB. /1/2IN W/CAP LS37258	616	FD PKN \SHINER

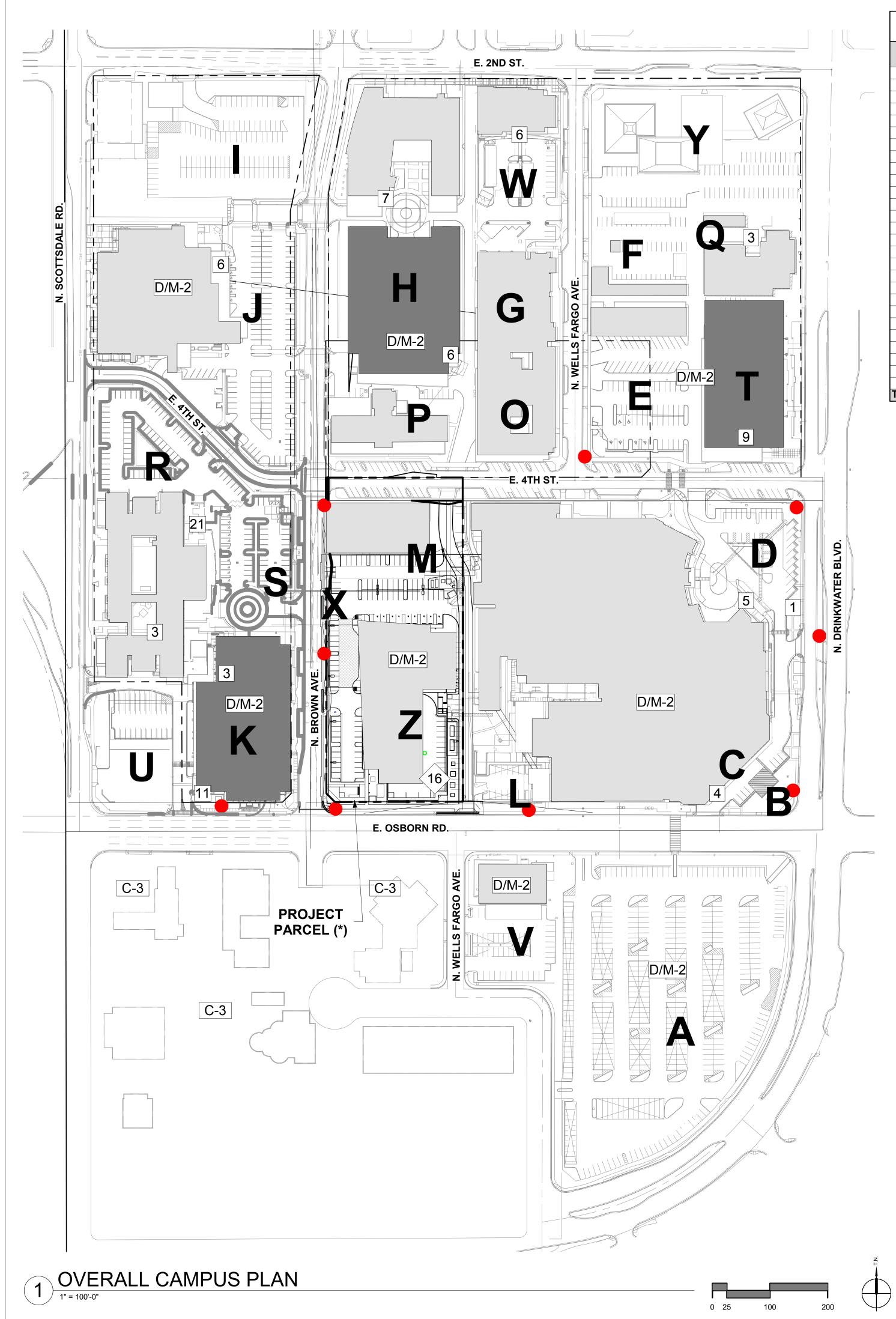


COMPLETED SURVEY FIELD WORK ON 4/19/2019 CHECKED BY CAD TECHNICIAN JKP/DHJ 1"=30' 04/24/2019 JOB NUMBER



SUR

DENNIS HARMON JR COMPLETED SURVEY FIELD 4/19/2019 WORK ON CHECKED BY CAD TECHNICIAN 1"=30' 04/24/2019 JOB NUMBER

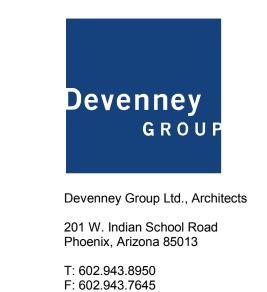


BUILDING NUMBER	BUILDING	BUILDING TYPE	SQUARE FOOTAGE	NO. BEDS	CODE PARKING FACTOR	CODE PARKING REQUIREMENT	PARKING PROVIDED
A	SOUTH PARKING LOT						42
В	HOSPITAL - ED ONLY						8
С	HOSPITAL - ED DEPARTMENT - EMERGENCY ONLY						
D	HOSPITAL - LOT	Hospital	348,596	320	1 SP./BED	320	3
Е	4TH ST/WELLS FARGO LOT	Medical Office/Outpatient	8,540		1 SP./250 SF	35	7
F	3634 Building/US WEST LOT	Medical Office/Outpatient	12,560		1 SP./250 SF	51	3
G	BIRTHING SUITES LOT	Hospital	34,800	17	1 SP./BED	17	•
Н	TCMP PARKING STRUCTURE	Medical Office/Outpatient	61,200		1 SP./250 SF	245	34
I	BROWN AVE. AND SECOND ST LOT	-					10
J	GREENBAUM SURGERY CENTER	Medical Office/Outpatient	63,600	26	1 SP./BED	26	1
K	SCOTTSDALE MEDICAL CENTER GARAGE	-					40
L	RADIOLOGY LOT	-					•
M	7301 BUILDING	Medical Office/Outpatient	11,576		1 SP./BED	47	
N	4TH AND WELLS FARGO STREETS	-					}
0	WELLS FARGO BUILDING	Medical Office/Outpatient	22,400		1 SP./250 SF	90	
Р	7300 BUILDING	Medical Office/Outpatient	26,100		1 SP./250 SF	105	•
Q	3634 CIVIC CENTER BUILDING	Medical Office/Outpatient	12,560		1 SP./250 SF	51	
R	HONORHEALTH CENTER						(
S	HONORHEALTH CENTER	Medical Office/Outpatient	90,300		1 SP./250 SF	362	4
T	PATIENT/VISITOR GARAGE	-					38
U	VACANT LOT	-					2
V	7351 E OSBORN RD BUILDING	Medical Office/Outpatient	13,800		1 SP./250 SF	56	Į
W	RADIATION ONCOLOGY	Medical Office/Outpatient	5,800		1 SP./250 SF	24	
Χ	BROWN AVE. (PUBLIC)	-					
Υ	NORTH WELLS FARGÓ AVE	-					(
Z	NEUROSCIENCE INSTITUTE (*)	Medical Office/Outpatient	116,000		1 SP./250 SF	464	16

OVERALL CAMPUS PLAN LEGEND

- EXISTING FIRE HYDRANT
- **#** NUMBER OF EXISTING BIKE PARKING
- **#** NUMBER OF NEW BIKE PARKING
- # NUMBER OF FUTURE PROPOSED BIKE PARKING (NOTE: UPPDATED WITH FUTURE DEVELOPMENT; NOT **ÎN SCOPE OF CURRENT PROJECT)**

X/X ZONING



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NEUROSCIENCE INSTITUTE

HONORHEALTH

7242 E OSBORN RD SCOTTSDALE, AZ 85251

AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE AUTHORITY HAVING JURISDICTION'S PROJECT

AGENCY APPROVALS:

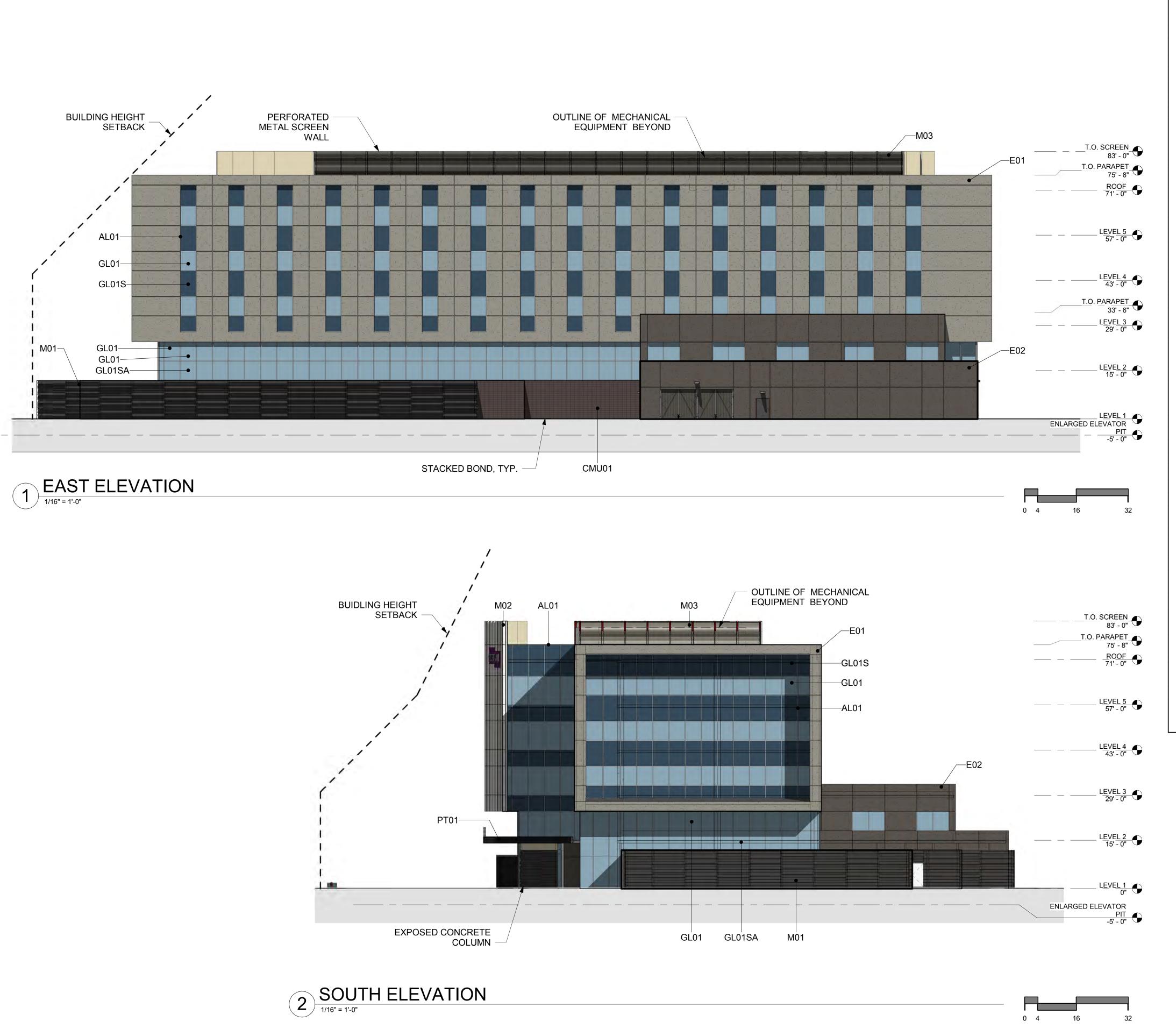
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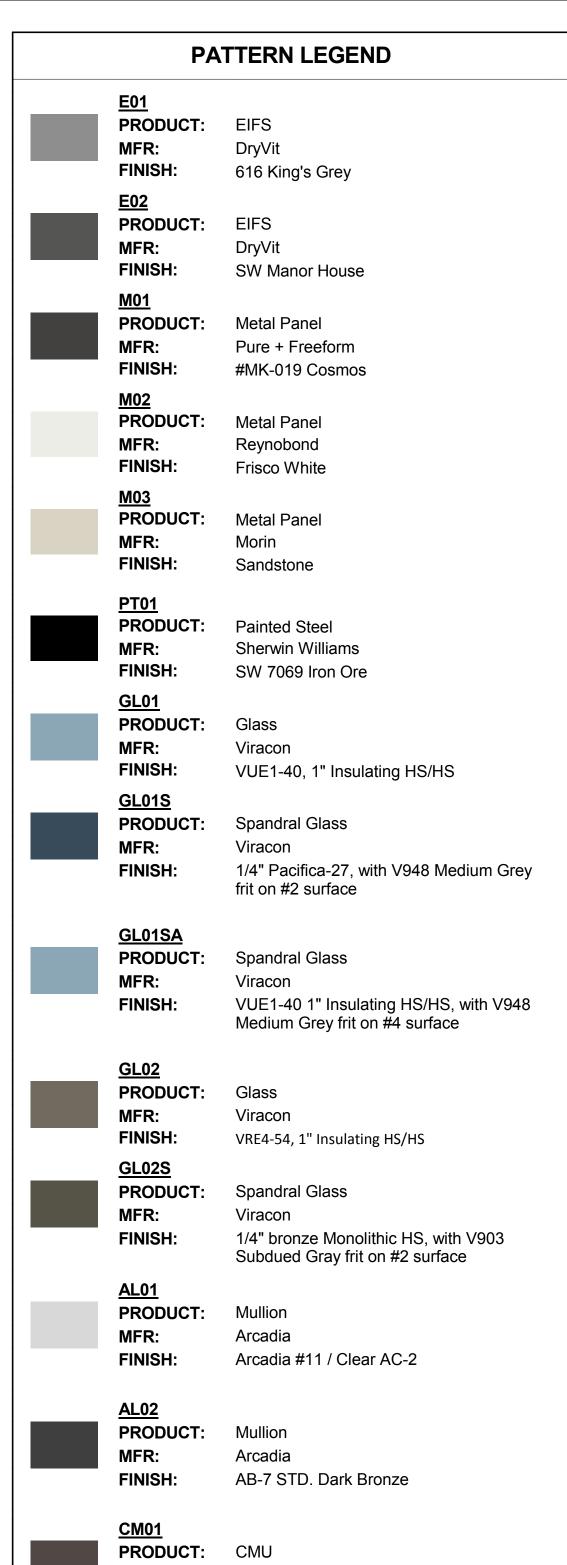
REVISIONS DESCRIPTION DATE

04/18/2019 SCALE: As indicated DRAWN: Author REVIEWED: Checker JOB NUMBER:

CAMPUS MASTER PLAN

DRB_34





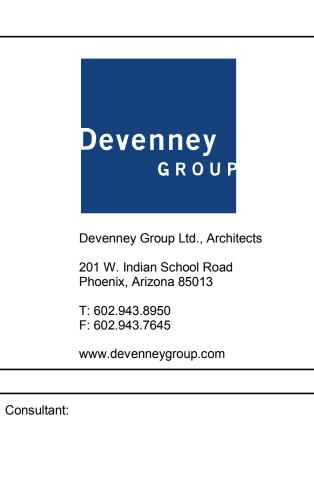
CMU

Oldcastle - Echelon

Black Canyon

MFR:

FINISH:



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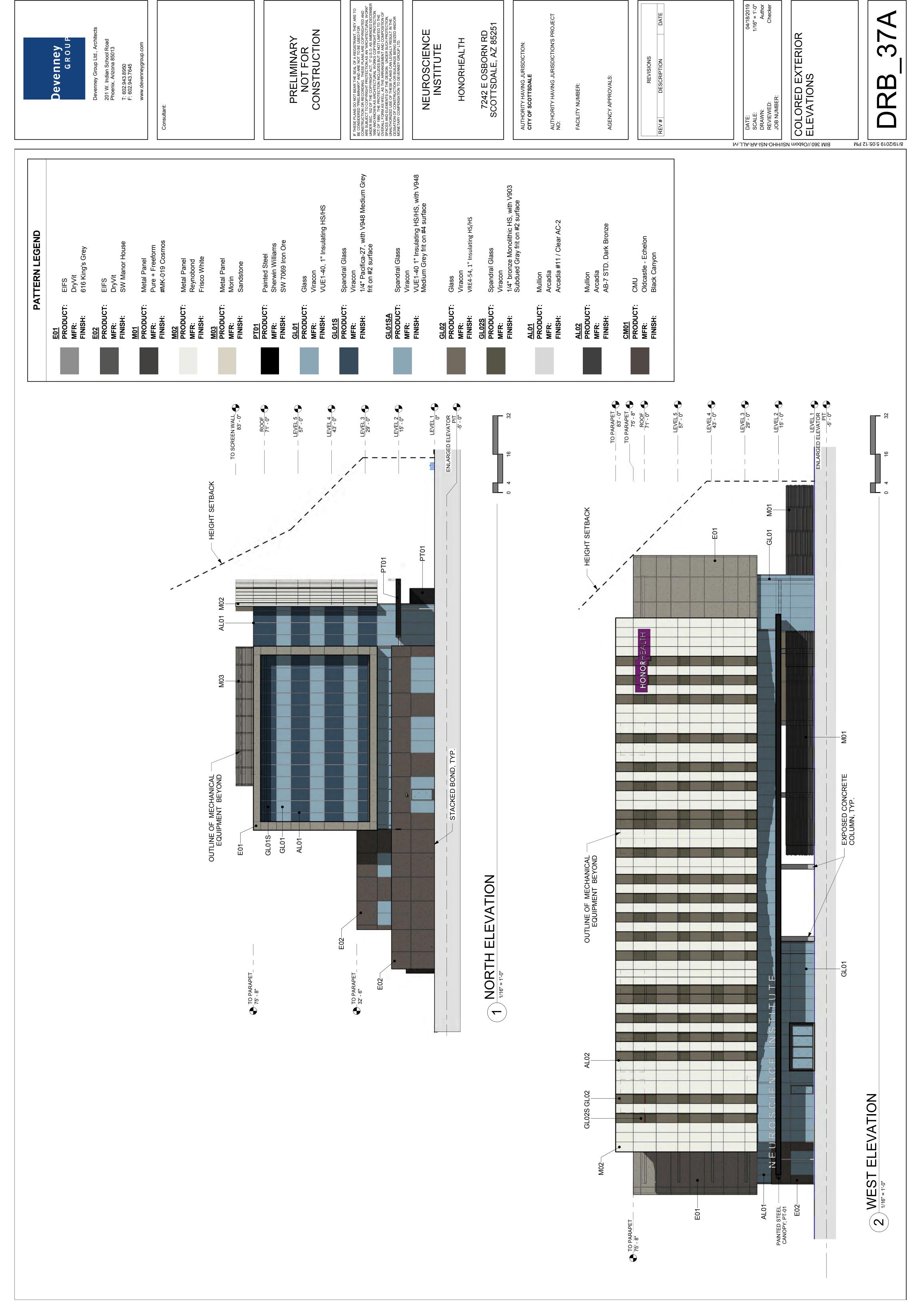
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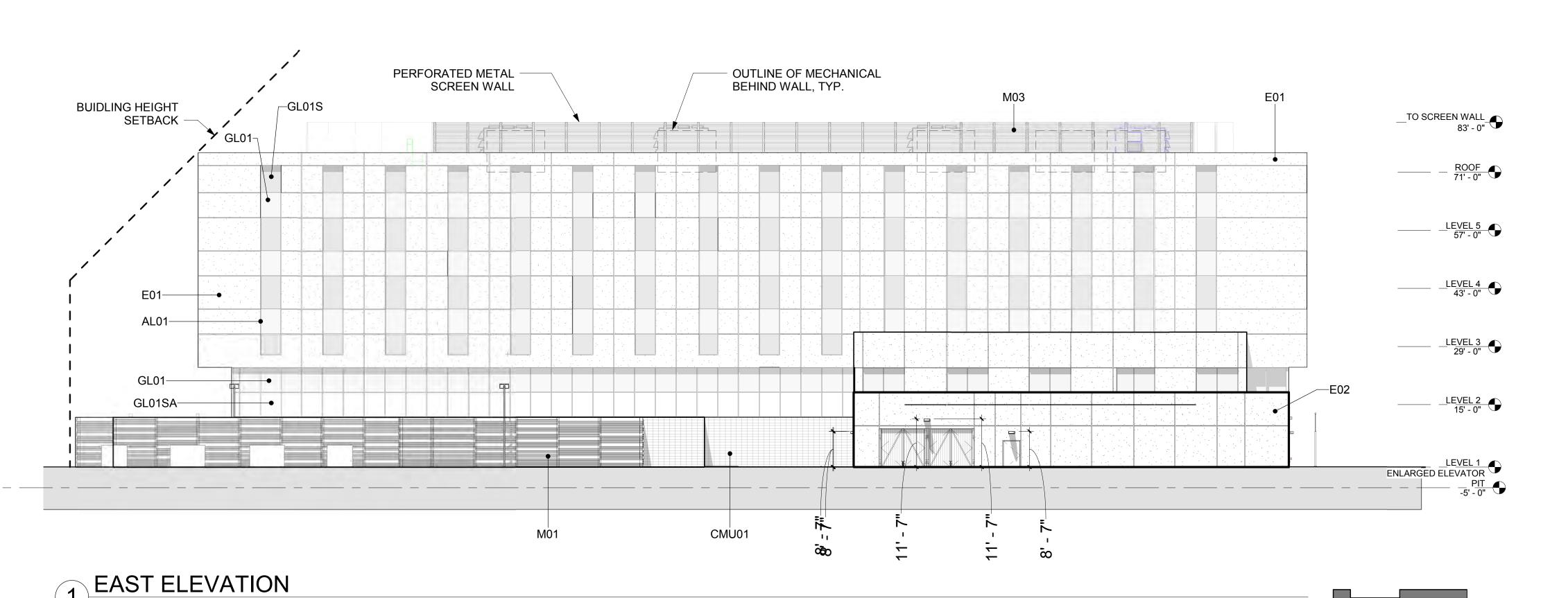
REVISIONS		
REV#	DESCRIPTION	DATE

04/18/2019 SCALE: 1/16" = 1'-0" DRAWN: Author REVIEWED: Checker JOB NUMBER:

COLORED EXTERIOR ELEVATIONS

DRB_37B





2 SOUTH ELEVATION
1/16" = 1'-0"

PERFORATED METAL OUTLINE OF MECHANICAL SCREEN WALL BEHIND WALL, TYP. M03 **BUIDLING HEIGHT** TO SCREEN WALL 83' - 0" SETBACK -_____ _ _ <u>ROOF</u> ____ GL01S GL01 LEVEL 1 ENLARGED ELEVATOR

GL01 GL01SA

M01

PATTERN LEGEND

PRODUCT: EIFS MFR: DryVit FINISH: 616 King's Grey

PRODUCT: **EIFS**

MFR: DryVit FINISH: SW Manor House

PRODUCT: Metal Panel MFR: Pure + Freeform FINISH: #MK-019 Cosmos

M02 PRODUCT: Metal Panel MFR: Reynobond FINISH: Frisco White

<u>M03</u> PRODUCT: Metal Panel MFR: Morin FINISH: Sandstone

PT01 PRODUCT: Painted Steel MFR: Sherwin Williams FINISH: SW 7069 Iron Ore

<u>GL01</u> PRODUCT: Glass MFR: Viracon

FINISH: VUE1-40, 1" Insulating HS/HS

<u>GL01S</u> PRODUCT: Spandral Glass MFR:

Viracon 1/4" Pacifica-27, with V948 Medium Grey frit FINISH:

on #2 surface

GL01SA PRODUCT: Spandral Glass

MFR: Viracon

FINISH: VUE1-40 1" Insulating HS/HS, with V948 Medium Grey frit on #4 surface

<u>GL02</u> PRODUCT: Glass

MFR: Viracon

FINISH: VRE4-54, 1" Insulating HS/HS

PRODUCT:

Spandral Glass MFR: Viracon

1/4" bronze Monolithic HS, with V903 Subdued Gray frit on #2 surface

AL01 PRODUCT: Mullion

MFR: Arcadia

FINISH: Arcadia #11 / Clear AC-2

AL02 PRODUCT:

Mullion MFR: Arcadia

FINISH: AB-7 STD. Dark Bronze

AL02 PRODUCT:

CMU MFR: Oldcastle - Echelon FINISH: Black Canyon



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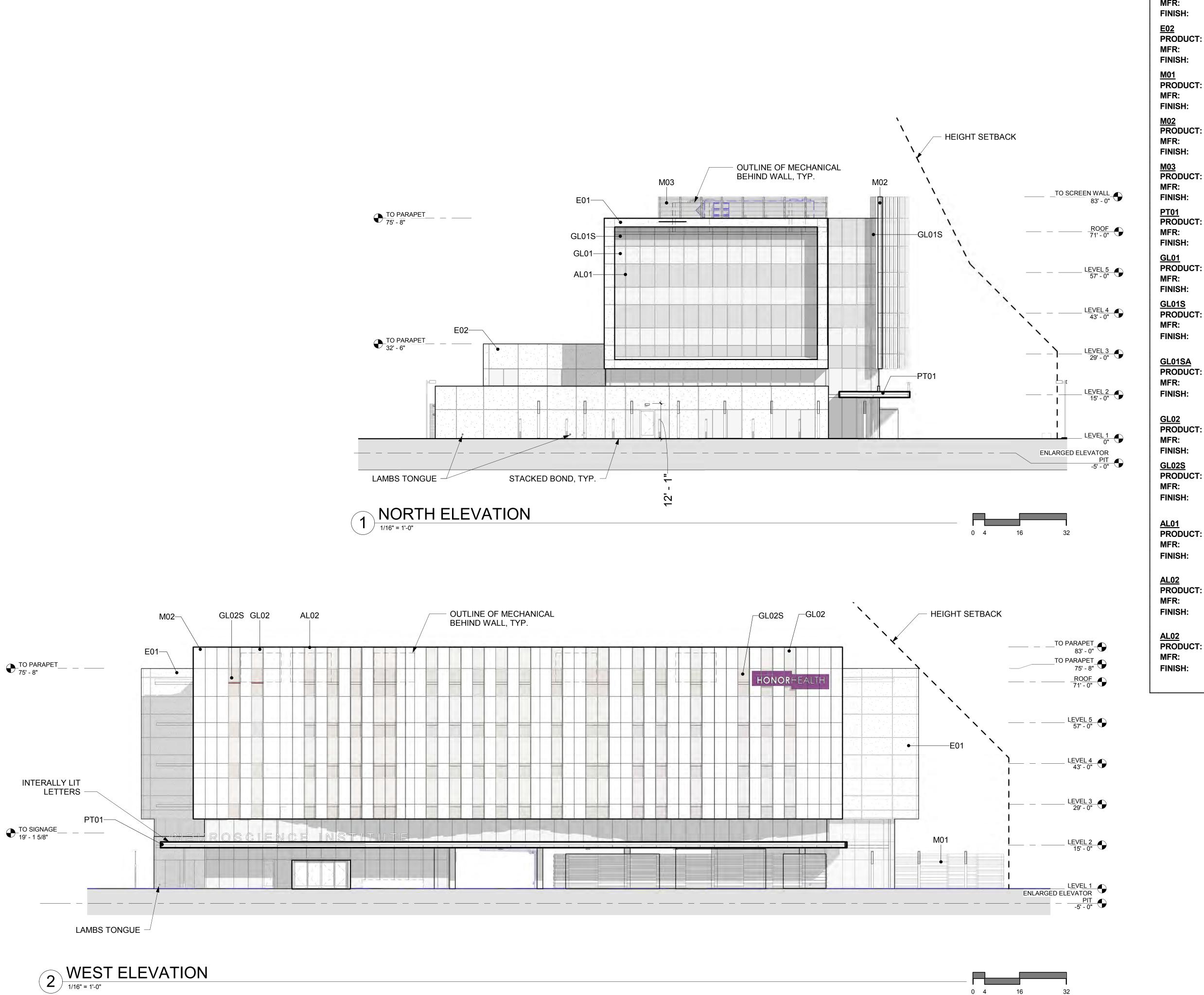
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EXTERIOR ELEVATIONS

JOB NUMBER:

DRB_37D



PATTERN LEGEND

PRODUCT: EIFS MFR: DryVit 616 King's Grey

PRODUCT: EIFS

DryVit SW Manor House

Metal Panel Pure + Freeform #MK-019 Cosmos

PRODUCT: Metal Panel Reynobond Frisco White

PRODUCT: Metal Panel Morin Sandstone

PRODUCT: Painted Steel Sherwin Williams SW 7069 Iron Ore

PRODUCT: Glass

Viracon VUE1-40, 1" Insulating HS/HS

PRODUCT: Spandral Glass

Viracon 1/4" Pacifica-27, with V948 Medium Grey frit

on #2 surface

PRODUCT: Spandral Glass

Viracon VUE1-40 1" Insulating HS/HS, with V948 Medium Grey frit on #4 surface FINISH:

PRODUCT: Glass

VRE4-54, 1" Insulating HS/HS

Spandral Glass

Viracon 1/4" bronze Monolithic HS, with V903 Subdued Gray frit on #2 surface

AL01 PRODUCT: Mullion

Arcadia Arcadia #11 / Clear AC-2

PRODUCT: Mullion Arcadia

AB-7 STD. Dark Bronze

Black Canyon

AL02 PRODUCT: CMU Oldcastle - Echelon Devenney GROUI

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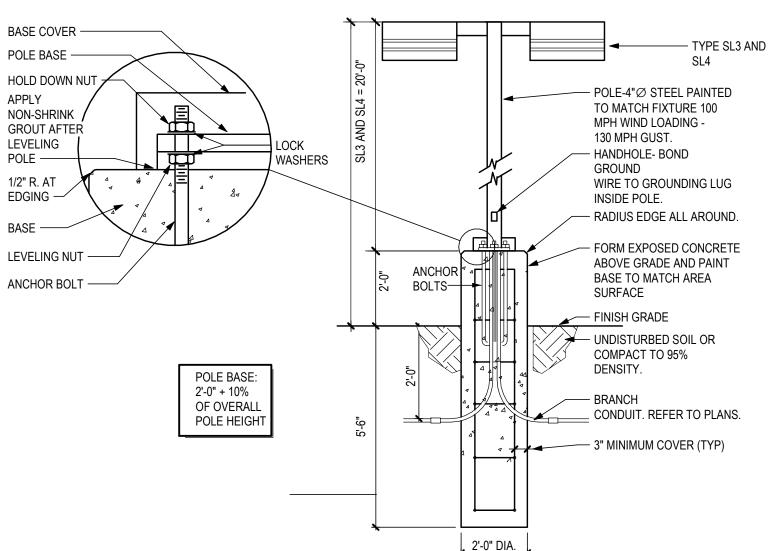
AGENCY APPROVALS:

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EXTERIOR ELEVATIONS

DRB_37C



	2'-0" DIA.
POLE BASE DETAIL	
N.T.S.	

	LEGEND - GENERAL				
SYMBOL	DESCRIPTION				
0	JUNCTION BOX IN AN ACCESSIBLE LOCATION.				
J	FLUSH FLOOR MOUNTED JUNCTION BOX.				
E	JUNCTION BOX IN AN ACCESSIBLE LOCATION. FLUSH FLOOR MOUNTED JUNCTION BOX. CONDUIT EXPANSION JOINT. CONDUIT SEAL-OFF. (X) = EXPLOSION PROOF. CHANGE IN CONDUIT ELEVATION. CAPPED CONDUIT STUB-OUT. PROVIDE BRASS CAP AND PERMANENTLY MARK LOCATION WHERE INSTALLED BELOW GRADE. MECHANICAL EQUIPMENT DESIGNATION. WECHANICAL EQUIPMENT DESIGNATIONS, UNLESS NOTED OTHERWISE - REFERENCE SCHEDULE. NEW WORK, EQUIPMENT, DEVICES, WIRING, ETC. IS DEPICTED SOLID IN VARIOUS LINETYPES. EXISTING EQUIPMENT, DEVICES, WIRING, ETC. (AS WELL AS BUILDING ELEMENTS ASSOCIATED WITH OTHER DISCIPLINES) IS DEPICTED SCREENED IN VARIOUS LINET EQUIPMENT, DEVICES, WIRING, ETC. TO BE REMOVED (DEMOLITION) IS DEPICTED S				
S,X	CONDUIT SEAL-OFF. (X) = EXPLOSION PROOF.				
——• UP ——• DN	CHANGE IN CONDUIT ELEVATION.				
EF 1-2	MECHANICAL EQUIPMENT DESIGNATION.				
## (##)					
	EXISTING EQUIPMENT, DEVICES, WIRING, ETC. (AS WELL AS BUILDING ELEMENTS ASSOCIATED WITH OTHER DISCIPLINES) IS DEPICTED SCREENED IN VARIOUS LINETYPES.				
	EQUIPMENT, DEVICES, WIRING, ETC. TO BE REMOVED (DEMOLITION) IS DEPICTED SOLID IN A HIDDEN LINETYPE.				
	FUTURE EQUIPMENT, DEVICES, WIRING, ETC. IS DEPICTED SCREENED IN A HIDDEN LINETYPE.				

		LE	GEND - ELECTRICAL
S'	YMBC)L	DESCRIPTION
●	<u>\$</u>	⊢ ⊙ 	LIGHTING FIXTURE - SHAPE, SIZE, MOUNTING, ETC. VARY. FIXTURE TYPE INDICATED. DIRECTIONALITY INDICATED (WHERE APPLICABLE). REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.

	ABBREVIATION	NS - G	ENERAL
A	AMPHERE	EXRL	EXISTING, RELOCATE, NEW LOCATION
AFF	ABOVE FINISHED FLOOR (TO CENTER LINE OF ITEM/DEVICE/EQUIPMENT)	EXRP EXRR	EXISTING, REMOVE AND REPLACE EXISTING, REMOVE AND RELOCATE AS
AFG	ABOVE FINISHED GRADE (TO CENTER LINE OF ITEM/DEVICE/EQUIPMENT)	GND, GRD	INDICATED GROUND
AHJ	AUTHORITY HAVING JURISDICTION	JB	JUNCTION BOX
С	CONDUIT	NC	NORMALLY CLOSED
CKT	CIRCUIT	NO	NORMALLY OPEN
CO	CONDUIT ONLY	NIC	NOT IN CONTRACT
CSFD, CFSD	COMBINATION SMOKE FIRE DAMPER	UNO	UNLESS NOTED OTHERWISE
EC	EMPTY CONDUIT, ELECTRICAL	V	VOLT
	CONTRACTOR	VA	VOLT-AMPHERES
EQ	EQUIPMENT	VR	VANDAL RESISTANT
EP, EXP	EXPLOSION PROOF	WP	WEATHERPROOF
EX	EXISTING, REMAIN		
EXR	EXISTING, REMOVE		
EXRC	EXISTING, REMOVE AND PROVIDE BLANK COVERPLATE		

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE NEC AS AMENDED BY
- PRIOR TO SUBMITTING PROPOSAL, THE CONTRACTOR SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH THE CONTRACTOR WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON THEIR PART. ALL MATERIAL AND EQUIPMENT NOTED OR SPECIFIED TO BE REMOVED WHICH IS NOT SCHEDULED TO BE RE-USED OR RELOCATED SHALL BE CAREFULLY REMOVED AND DELIVERED TO THE OWNER WHERE DIRECTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, COORDINATE AND CONFIRM WITH ANY SPECIALTY EQUIPMENT CONTRACTOR(S) ALL THE FOLLOWING:
- A. EXACT LOCATION OF ALL CONTROL PANELS, CONTROL DEVICES, TERMINATION POINTS, ETC.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES.
- BRANCH CIRCUIT CONDUCTOR COUNT IS NOT SPECIFICALLY SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDE CONDUCTORS AS FOLLOWS AND ADJUST THE CONDUIT SIZE TO CONFORM TO NEC ANNEX C: TABLES BASED ON SPECIFIC FIELD CONDITIONS.
 - (1) PHASE CONDUCTOR FOR EACH CIRCUIT POLE CONTAINED WITHIN THE CONDUIT.
- (1) NEUTRAL CONDUCTOR FOR EACH INDIVIDUAL CIRCUIT OPERATING AT 120V OR 277V. (1) EQUIPMENT GROUND CONDUCTOR SIZED BASED ON 250.122.
- (1) ISOLATED GROUND CONDUCTOR MATCHING THE EQUIPMENT GROUND WHERE A CIRCUIT SERVES AN ISOLATED GROUND DEVICE.
- (1) SWITCH LEG CONDUCTOR FOR EACH SWITCH LEG REQUIRED.
- (2) SWITCH LEG TRAVELERS FOR EACH THREE-WAY SWITCH CONTROL REQUIRED. (4) SWITCH LEG TRAVELERS FOR EACH FOUR-WAY SWITCH CONTROL REQUIRED.
- (1) HOT CONDUCTOR FOR EACH CONTINUOUS LIGHTING SYSTEM LOAD REQUIREMENT: EMERGENCY BATTERY PACK (BPB), NIGHT LIGHT, ETC.
- CONDUCTOR AMPACITY ADJUSTMENTS SHALL BE APPLIED AS DESCRIBED BY NEC CHAPTER 3 FOR EACH SPECIFIC FIELD CONDITION.
- GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
- ALL WIRING SHALL BE COPPER AND INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED. MINIMUM CONDUCTOR SIZE SHALL BE #12AWG AND CONDUIT 1/2" TRADE SIZE. INSULATION SHALL BE TYPE "THHN/THWN". EXCEPT CONDUCTORS USED FOR AIR CONDITIONING AND CONDUCTORS #2AWG AND LARGER SHALL BE TYPE XHHW-2.
- CONDUITS SHALL BE SUPPORTED BY FRAMING CHANNEL (UNISTRUT, B-LINE, OR AS ACCEPTED). INTERVALS OF SUPPORT SHALL COMPLY WITH NEC SECTION APPROPRIATE FOR CONDUIT MATERIAL USED.
- PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL CONDUIT RUNS EXCEPT RGS AND IMC. SIZE PER NEC 250.122.
- PROVIDE RAISED CONCRETE HOUSEKEEPING CONCRETE PAD 4" ABOVE FINISHED FLOOR FOR ALL FREESTANDING ELECTRICAL SWITCHBOARD EQUIPMENT, MOTOR CONTROL CENTERS, DRY TYPE TRANSFORMERS, ETC. CONFIRM PAD SIZE WITH FINAL APPROVED SHOP DRAWINGS OF EQUIPMENT. EXCEPTION: SERVICE ENTRANCE SWITCHBOARDS WITH UTILITY COMPANY METERING, RAISED PAD SHALL CONFORM TO SERVING UTILITY COMPANY REQUIREMENTS AND IN SOME CASES CAN NOT BE RAISED.
- PROVIDE SEPARATION OF LIFE SAFETY SYSTEM FEEDERS AND BRANCH CIRCUITS FROM ALL OTHER WIRING OR EQUIPMENT PER NEC 517 & 700.
- 12. NON-METALIC UNDERGROUND CONDUIT INSTALLED OUTSIDE THE BUILDING FOOTPRINT SHALL HAVE A CONTINUOUS TRACEABLE WIRE, #18AWG MINIMUM, INSTALLED WITHIN 6" DIRECTLY ABOVE IT IN ACCORDANCE WITH ARS #40-360-22M. WIRE SHALL EXTEND 24" ABOVE GRADE AT EACH END AND COILED NEATLY. WHERE OCCURRING WITHIN A SWITCHBOARD, SWITCHGEAR OR SIMILAR, TERMINATE COIL ON THE EQUIPMENT GROUND

ABBREVIATIONS - ELECTRICAL



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AGENCY APPROVALS:

	REVISIONS	
REV#	DESCRIPTION	DATE

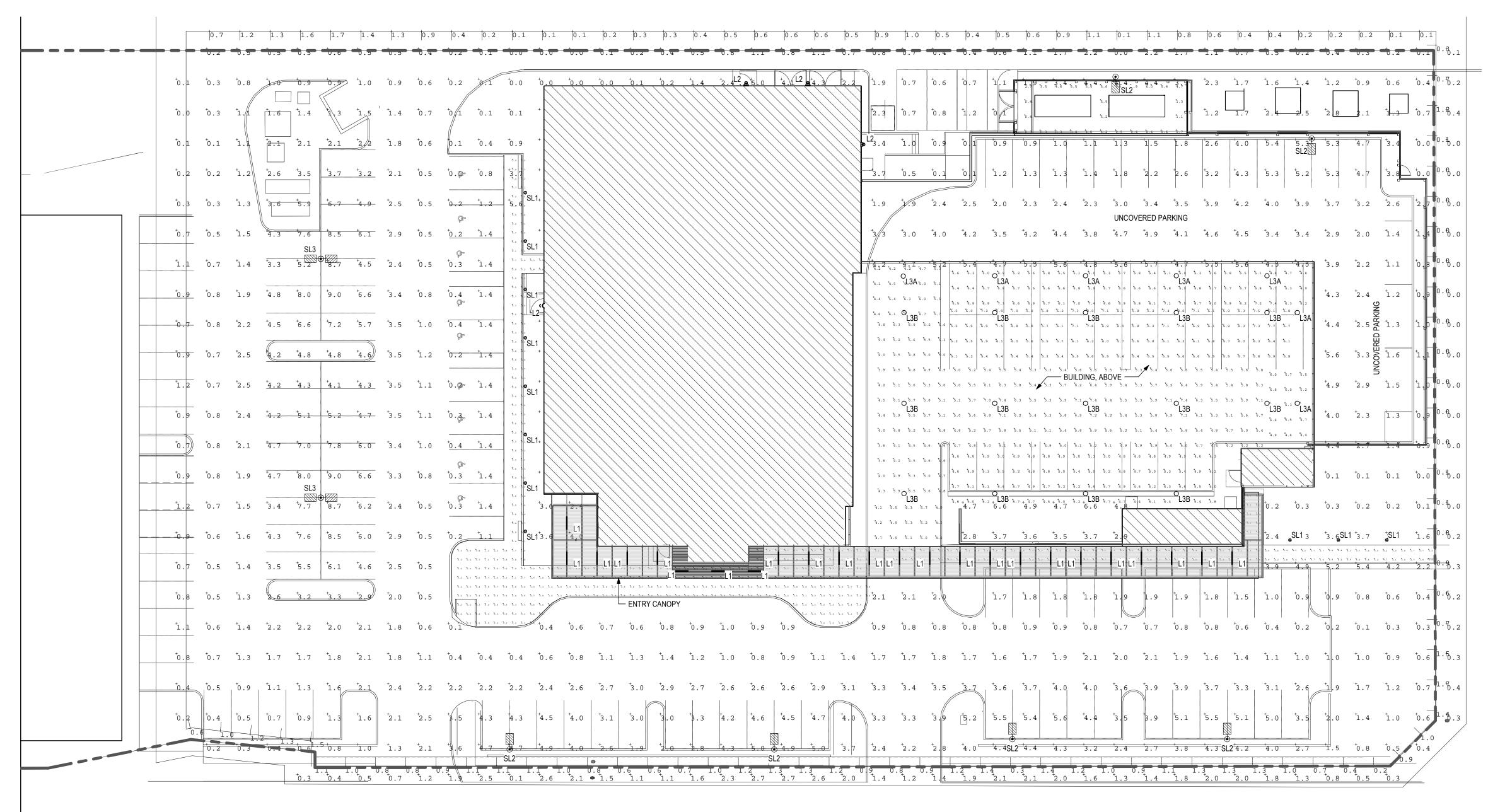
08/19/2019 SCALE: DRAWN: AES REVIEWED: JOB NUMBER:

ELECTRICAL GENERAL SHEET

			DRB LIGHTING FIXTURE SCHEDULE	•			
			DIAD FIGHTING LIXTOINE SCHEDOLE	-			
MARK	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMPS	WATTAGE	MOUNTING	Type Comments
L1	PINNACLE ARCHITECTURAL LIGHTING	EX3-WET-N-830-4'-S-U-OL1-1	3"X4' LINEAR LED WITH DIFFUSE LENS, WET LOCATION RATED, WITH 10% 0-10V DIMMING DRIVER	LED, 3000K	19 W	SURFACE MOUNT	
L2	HUBBELL	RDI2-12L15W-3K7-3-UNV-BL-8F	WALL MOUNTED AREA LIGHT WITH TYPE 3 DISTRIBUTION	LED, 3000K	15 W	WALL MOUNT	
L3A	EATON - MCGRAW EDISON	TT-C3-LED-E1-DL-8030 HA LWR-LW	LENSED, LED LOW BAY PARKING GARAGE FIXTURE WITH INTEGRAL PHOTOCELL AND DIMMING CAPABILITES. DRIVE LANE DISTRIBUTION.	LED, 3000K	45 W	PENDANT	
L3B	EATON - MCGRAW EDISON	TT-C1-LED-E1-MQ-8030 HA LWR-LW	LENSED, LED LOW BAY PARKING GARAGE FIXTURE WITH INTEGRAL PHOTOCELL AND DIMMING CAPABILITES. MEDIUM DISTRIBUTION.	LED, 3000K	28 W	PENDANT	
SL1	PERFORMANCE IN LIGHTING USA	0702604 AN-96 WITH AMON AN-96 GROUNDPLATE COVER AND 310923	LED LIGHT COLUMN WITH ALUMINUM HOUSING, TYPE II DISTRIBUTION, INTEGRAL 0-10V DIMMING AND TEXTURED IRON GRAY FINISH, MATCHING GROUNDPLATE COVER, AND FLANGE PLATE WITH FIXING MEANS	LED, 3000K	28 W	FIXING PLATE IN GRADE	
SL2	LIGMAN	USE-90031-157W-T3-W30-01-120/277V	ROUND, TYPE 3 LED AREA POLE LIGHT, 3000K	LED, 3000K	157 W	POLE, 20'AFG	ORDER WITH SINGLE HEAD ACCESSORY A91060
SL3	LIGMAN	USE-90031-157W-T3-W30-01-120/277V (TWO)	DOUBLE-MOUNT, ROUND, TYPE 3 LED AREA POLE LIGHT, 3000K	LED, 3000K	314 W	POLE, 20'AFG	ORDER WITH DOUBLE HEAD ACCESSORY A91160

Lumina	aire Sched	dule							
Tag	Symbol		Qty	Label	[MANUFAC]	Description	Arrangement	LLF	Lum. Lumens
SL2	E	→	6	USE-90031-T3-W30	LIGMAN	TYPE 3 POLE FIXTURE MOUNTED 20' AFG	SINGLE	1.000	12184
SL3		→	2	USE-90031-T3-W30 (DOUBLE HEAD)	LIGMAN	BACK-BACK TYPE 3 POLE FIXTURE MOUNTED 20' AFG	BACK-BACK	1.000	12184
L1	-	_	24	EX3-WET-N-830-4-S-U-OL1-1	PINNACLE ARCHITECTURAL LIGHTING	3 FT X4 IN LINEAR LED WITH DIFFUSE LENS	SINGLE	1.000	1008
L2	B		4	RDI1-12L-15-3K7-3-U-BL-8F	HUBBELL OUTDOOR LIGHTING	WALL MOUNTED AREA LIGHT WITH TYPE 3 DISTRIBUTION	SINGLE	1.000	1497
SL1	0		11	AMON MAXI_070264	Performance iN Lighting USA	DIMMABLE LED LIGHT COLUMN WITH TYPE 2 DISTRIBUTION	SINGLE	1.000	1393
L3A	0)	7	TT-C3-LED-E1-DL-8030 HA LWR-LW	EATON - McGRAW-EDISON (FORMER COOPER LIGHTING)	LOW BAY LED LUMINAIRE DRIVE LANE DISTRIBUTION	SINGLE	1.000	4152
EXST	B		4	EXISINTG FIXTURE	Lithonia Lighting	TWP 35L	SINGLE	1.000	2318
L3B	0)	14	TT-C1-LED-E1-MQ-8030 HA LWR-LW	EATON - McGRAW-EDISON (FORMER COOPER LIGHTING)	LOW BAY LED LUMINAIRE MEDIUM DISTRIBUTION	SINGLE	1.000	3357

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Max/Avg	Meter Type
COVERED PARKING - BASIC_1	Illuminance	Fc	5.19	6.9	3.8	1.37	1.82	N.A.	Horizontal
COVERED PARKING - BASIC_2	Illuminance	Fc	6.18	8.1	5.1	1.21	1.59	N.A.	Horizontal
COVERED PARKING - DRIVE LANE	Illuminance	Fc	5.42	7.4	3.6	1.51	2.06	N.A.	Horizontal
COVERED PARKING - ENTRY DL_1	Illuminance	Fc	5.21	7.3	4.1	1.27	1.78	N.A.	Horizontal
COVERED PARKING - ENTRY DL_2	Illuminance	Fc	5.65	7.6	4.4	1.28	1.73	N.A.	Horizontal
COVERED PARKING - ENTRY DL_3	Illuminance	Fc	4.99	6.3	4.1	1.22	1.54	N.A.	Horizontal
COVERED PARKING - ENTRY PRKG_4	Illuminance	Fc	5.78	7.5	4.7	1.23	1.60	N.A.	Horizontal
ENTRY WALKWAY	Illuminance	Fc	3.21	6.4	0.1	32.10	64.00	N.A.	Horizontal
GENERATOR YARD	Illuminance	Fc	2.91	6.0	0.3	9.70	20.00	N.A.	Horizontal
HORIZONTAL ILLUMINANCE ANALYSIS	Illuminance	Fc	2.21	9.0	0.0	N.A.	N.A.	N.A.	Horizontal
VERTICAL LIGHT TRESPASS 1	Illuminance	Fc	0.73	1.7	0.0	N.A.	N.A.	N.A.	Vert-PerpCCW



ELECTRICAL SITE PLAN

VICINITY MAP: E 4TH ST —E OSBORN RD ⊥_E EARLL DR



Devenney Group Ltd., Architects 201 W. Indian School Road Phoenix, Arizona 85013 T: 602.943.8950 F: 602.943.7645

www.devenneygroup.com

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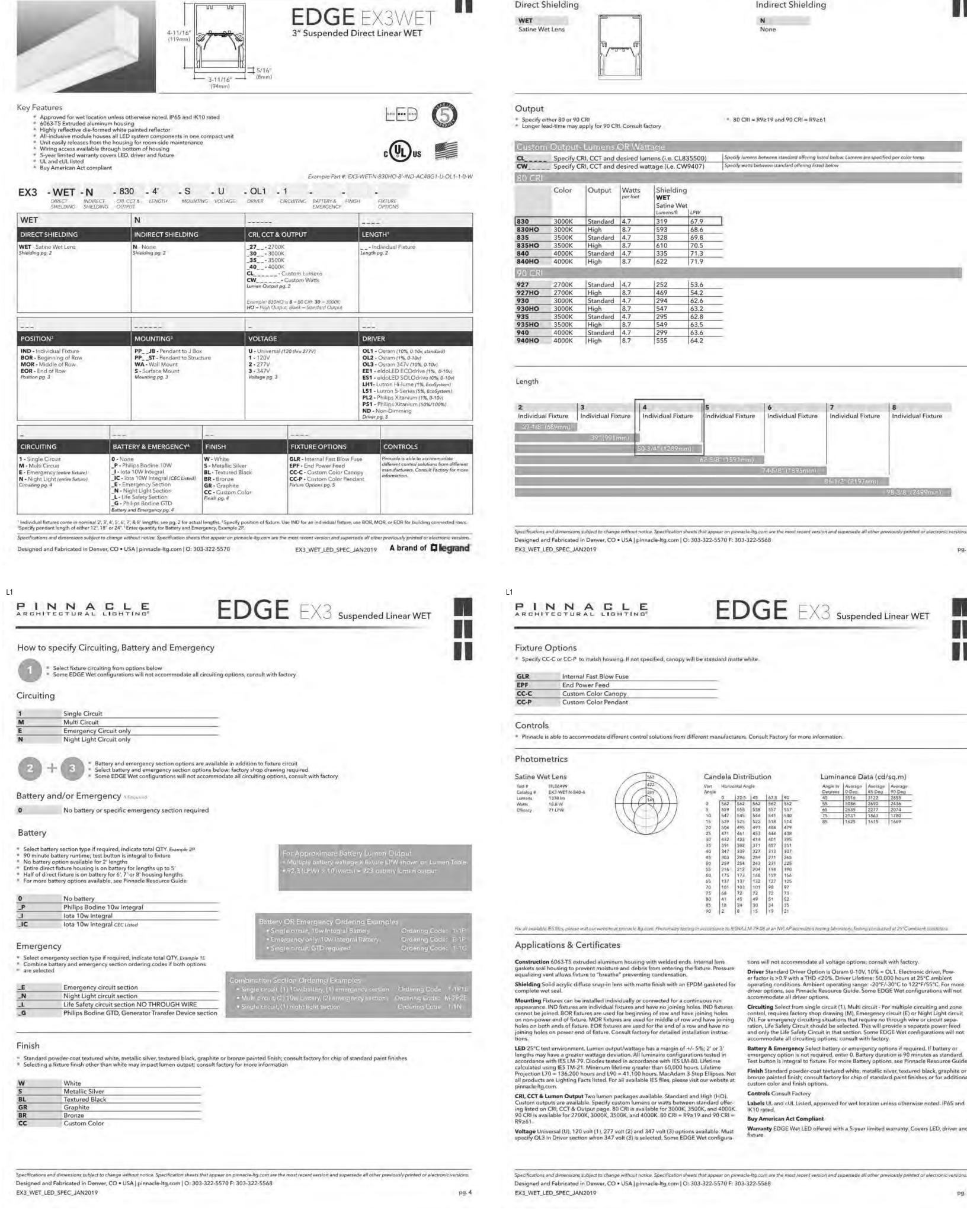
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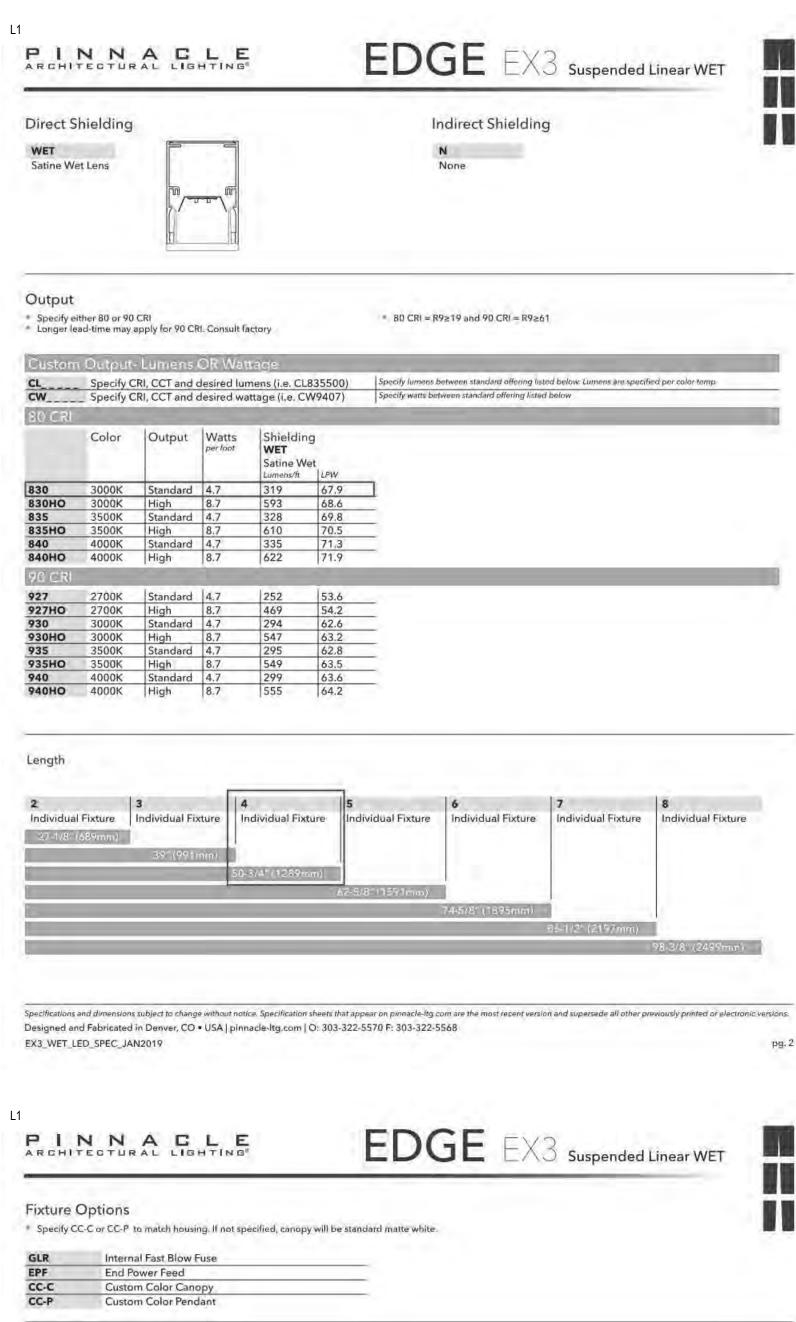
SITE LIGHTING PHOTOMETRICS

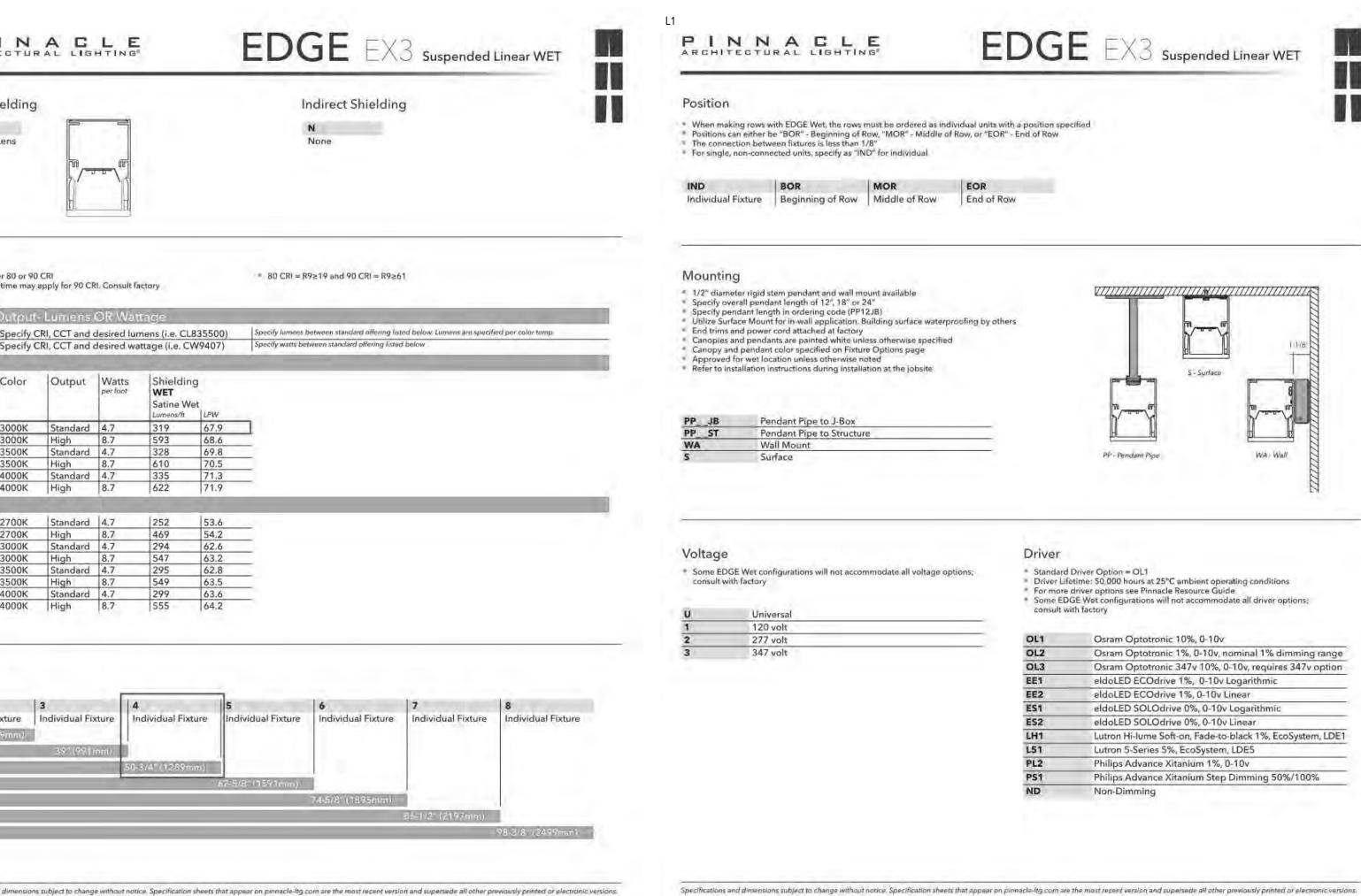


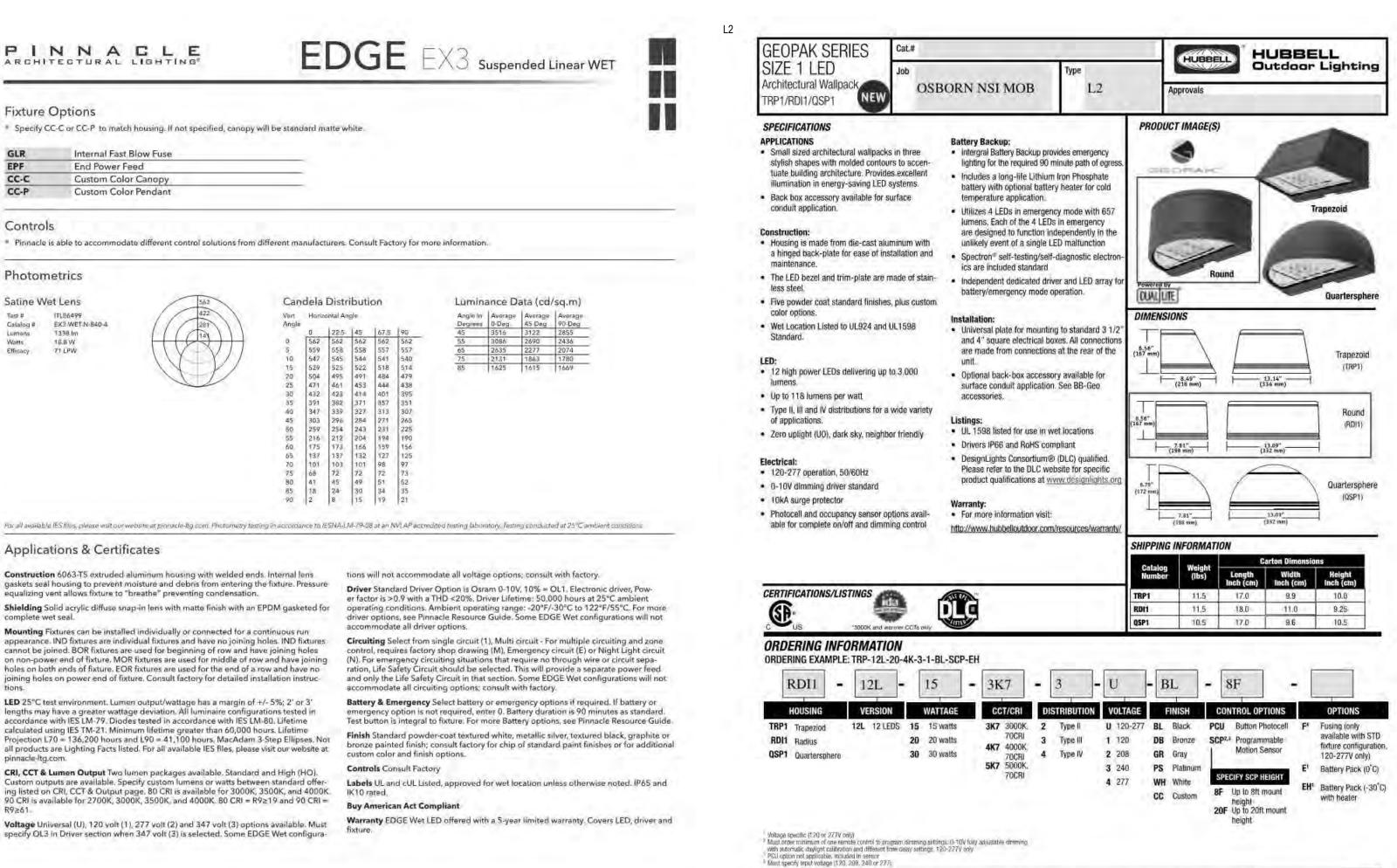
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PINNACLE

ARCHITECTURAL LIGHTING







pg. 5

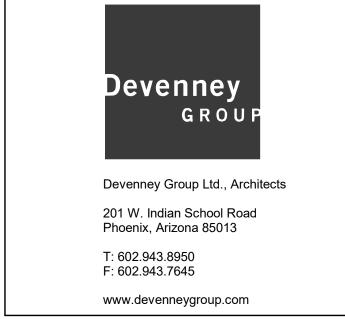
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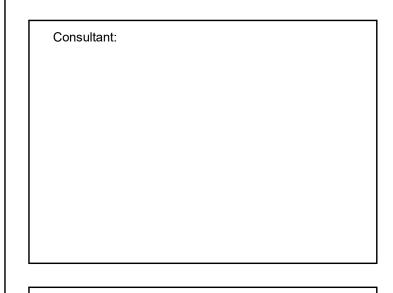
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EX3_WET_LED_SPEC_JAN2019





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pg.3

TRP1/ROI1/QSP1-SPEC

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REV# DESCRIPTION DA												

08/19/2019 SCALE: DRAWN: AES SRS **REVIEWED:** JOB NUMBER:

SITE LIGHTING CUT SHEETS



ADDITIONAL MOUNTING OPTIONS

TRUNNION MOUNT

FAT-N

L2

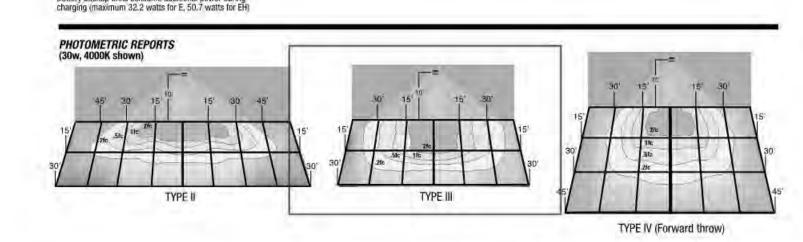


Fixture gasket 4-1/2" conduit entries Wall gasket

PERFORMANCE DATA (AC/Standard Configurations)

				(5)	000K non	inal, 7	O CRI)		(4	000K non	4K ninal, 7	O CRI)		(3	000K nen	K ninal, 70	O CRI)	
# OF LEDS	DRIVE CURRENT	SYSTEM WATTS	DIST. TYPE	LUMENS	LPW ¹	В	U	G	LUMENS	LPW!	В	U	G	LUMENS	LPW1	В	U	G
100	350mA	13.52	2	1635	118	1	1	1	1577	113	1 -	1	1	1497	108	_1	1	1
		13.9	3	1613	116	1	0	- 11	1556	112	-1	0	-	1477	106	1	0	-1
		4000	4	1607	116	0	0	1	1550	111	0	0	1-1-	1471	106	0	0	1
	-		2	2268	114	31 S	1	- 1	2176	109	-1-		1	2077	104	-1-	1	1.
12	500mA	19.9	3	2245	113	1	0	. 1	2140	108	1	0	1	2049	103	1	0	1
			4	2229	112	0	0	- 1	2150	108	0	0	1	2041	103	0	0	1
- 1			2	2942	104	4	1	-1	2885	102	1	1	2	2721	96	1	1	1
	700mA	28.2	3	2912	103	1	0	7	2836	101	1	0	1	2685	95	1	0	7
	3000	1	4	2892	103	1	0	1	2789	99	4	0	1	2674	95	1	0	1

<i>ectrical</i> put Pov	ver Consi	umption		Projected Lu	ımen f	Mainten	ance				PROPERTY AND PROPERTY.		MPERATURE FACTOR (I Lumen multiplier	
Drive	Input	System		400000000000000000000000000000000000000			Ope	erating Hours	S		0° C	32°F	1.02	
Current	Voltage	Power (w)	Current (Amps)	Ambient				TM-21-111		L70	10° C	50° F	1.01	
(mA)	(V)	(10)		Temp.	0	25,000	50,000	60,000	100,000	(hours)	20° C	68' F	1.00	
350mA	120	13.9	0.12	25°C/77°F	1.00	0.98	0.97	0.95	0.91	>345.000	25° C	77° F	1.00	
0001101	277	10,0	0.05	1000140405	11.7.000	-					30° C	86' F	1.00	
	120	120	0.17	40°C/104°F	1.00	0.96	0.95	0.92	0.87	>268,000	40° C	104°F	0.99	
500mA		19.9	19.9	0.17								50° C	122 F	0.98
X29204C	277	10000	0.07										lumen output for average	
areV.	120	240	0.24								ambient temperatures	rem D-40°C (32	2-104°F).	
700mA	277	28.2	0.10											



DECORATIVE PENDANT MOUNT

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TRP1/RDI1/OSP1-SPEC JUNE 1, 2018 8:51 AM

TT TOPTIER LED

May 28, 2019 9:20 AM

Functional Circuitry: Transient surge protection device on AC input. Upon failure of the Self-Test feature runs a 1 minute test once a month and an alternating 30 or 60 normal utility power, an LED driver is automatically activated to power the emergency minute test once every 6 months. Multi-color LED indicator provides visible fault LEDs. Upon resumption of normal utility power, the LED driver is turned off, and the detection and charging status. battery is recharged through a micro-controller based 3-stage charger. The battery is a . User initiated 1, or 90-minute system test feature 15 minute re-transfer delay Manual testing is available at any time using the push-to-test button. The optional heater

• Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage).

maintenance-free Lithium Iron Phosphate (LiFePo) type. A low voltage battery disconnect (LVD) feature protects the battery from severe damage during prolonged power failures. features a heating wrap and thermostat to maintain optimal battery temperature during . Battery backup units consume 6 watts when charging a dead battery and 2 watts charge or discharge. The GeoPak includes the following features: during maintenance charging. EH (units with a heater) consume up to an additional 8 . Battery re-charge within 24 hours watts when charging if the battery temp is lower than 10°C

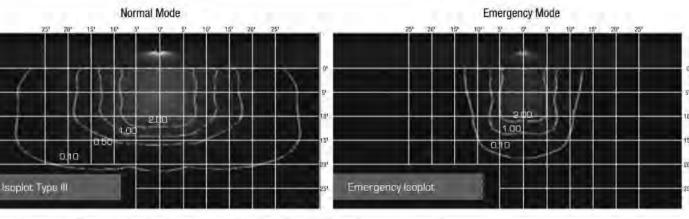
· AC Lock-out circuit

· Self-diagnostics monitors LED status, LED driver circuit, battery capacity and charger

function and displays any fault detection by means of a flashing code. Emergency Photometric Performance (1 fc average .1 fc minimum) 28' multi-unit spacing at 10' MH with 0/30/10 reflectances on a 6' path 26' x 10' single unit coverage at 10' MH with 0/30/10 reflectances

6' x 19' forward throw coverage at 10' MH with 0/30/10 reflectances





Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions. Diagrams for illustration purposes only, please consult factory for application layout.

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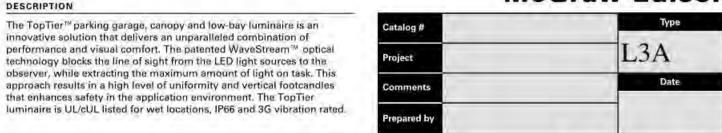
TT TOPTIER LED

NOTE: Nominal data with 70 CRI for 4000K and 5000K, 80 CRI for 3000K. Wattage values not valid for drive lane optic. For configurations that include the drive lane optic, glass, uplight or occupancy sensor options refer to the specific IES files for wattage, BUG rating and lumen output da

F:T.N

May 28, 2019 9:20 AM

McGraw-Edison



SPECIFICATION FEATURES

The TopTier™ parking garage, canopy and low-bay luminaire is an

technology blocks the line of sight from the LED light sources to the

that enhances safety in the application environment. The TopTier

innovative solution that delivers an unparalleled combination of

DESCRIPTION

L3A

Construction One-piece, low copper die-cast aluminum housing provides a clean and symmetric housing. Formed aluminum top is sloped to prevent bird nesting. Metal electrical tray allows for easy electrical access for field servicing.

Optics Unique optical distributions are accomplished using various combinations of reflective backing plates and WaveStream optical is manufactured using precision injection molded acrylic. The optics contain features that form a repeatable and redundant pattern to direct light in a precisely prescribed distribution. The drive lane distribution is specifically designed for locations with one direction of travel to optimally direct light in the same direction of travel for maximum glare control. For additional glare control and visual comfort with the Wide distribution, specify the SG option which adds a Solite® glass lens

backing plate.

DIMENSIONS

F.T.N

CONTROL OPTIONS

Dimming Occupancy Sensor (MS/DIM-LXX)

For mounting heights up to 8' (-LOE)

L3A

SURFACE OR PENDANT MOUNT

18-3/8" [466mm]

or other control methods except when PER7, 5LTD, MS/DIM or LWR is specified.

LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

For additional details, refer to the LumaWatt Pro product guides.

For mounting heights from 8' to 16' (LVVR LVV)

(+/-275K) CCT, optional 3000K. 5000K and 6000K. Minimum 70 CRI. Optional uplight feature provides a dedicated light engine (17W) to maintain consistent output across fixtures and reduces cave effect. Nominal uplight output is 800 lumens and ranges from 10%-30% total light output depending on the lumen package.

Offered standard in 4000K

Electrical LED driver(s) are mounted to metal technology. The optical Waveguide electrical tray for optimal thermal performance, 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming driver(s). specify 5LTD for Fifth Light DALI driver(s). Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. Greater than 90% lumen maintenance expected at 60,000 hours, based off LM-80 test data and TM-21. Suitable for ambient temperature applications from -40°C (-40°F) to 40°C (104°F). For 50°C (122°F) applications, that works in combination with specify the HA high ambient the Waveguide lens and reflective option. IP66 rated against the

ingress of dust and water.

Finish Housing finished in white super durable TGIC polyester powder coat paint with 2.5 mil nominal thickness for superior protection against fade and wear. Optional colors include black bronze grey, dark platinum and graphite metallic. Available in Natatorium finish. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete

Warranty Five-year warranty.

selection.

This fixture is offered standard with 0-10V dimming driver(s). External 0-10V dimming wire leads are provided for use with a lighting control panel

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected

to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light

These occupancy sensors include an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting. The factory preset is OFF. Please refer to the supplemental guide to understand limitations of product use regarding specific

The LumaWatt Pro system is a peer-to-peer wireless network of luminaire-integral sensors for any sized project. Each sensor is capable of motion

individual luminaire control. The LumaWatt Pro software provides smart building solutions by utilizing the sensor to provide easy-to-use dashboard

and photo sensing, metering power consumption and wireless communication. The end-user can securely create and manage sensor profiles with browser-based management software. The software will automatically broadcast to the sensors via wireless gateways for zone-based and

and analytic capabilities such as improved energy savings, traffic flow analysis, building management software integration and more.

For mounting heights up to 20' |-L20|

For mounting heights from 16' to 40' (LWR-LN)

output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes.

applications. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'.

18 24 Coverage Side Area (Feet)

Mounting

Standard fixture mounts to a

recessed j-box via heavy-gauge

quick mount bracket. Optional

trunnion mount and wall mount.

wet location i-box, the luminaire

can be pendant mounted using

the factory supplied decorative

pendant mount kit or a suitable

field supplied pendant.

mounting methods include

square or octagonal 4" surface or With the addition of a field supplied

> TT TOPTIER LED Solid State LED PARKING GARAGE/

> > thlight

ENERGY DATA

0.9 Power Factor

20-277V 50/60Hz

40°C Min. Temperature

0°C Max. Temperature

SHIPPING DATA

Approximate Net Weight: 6 lbs. (7.2 kgs.)

347V, 480V 60Hz

lectronic LED Driver

CERTIFICATION DATA

IUcUL Wet Location Listed 3G Vibration Rated LM79 / LM80 Compliant

Designt Ights Consortium Qualified*

20% Total Harmonic Distortion

50°C Max. Temperature (HA Option)

May 28, 2019 9:20 AM

TT TOPTIER LED

Coverage Side Area (Feet)

Coverage Side Area (Feet)

LOW-BAY LUMINAIRE

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Devenney

GROU

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08/19/2019 SCALE: DRAWN: AES SRS **REVIEWED:** JOB NUMBER:

SITE LIGHTING CUT SHEETS

DRB-E202

(Rectangular Wide) (Drive Lane) LUMEN MAINTENANCE Theoretical L70 (Hours) 25,000 Hours 100,000 Hours 50,000 Hours TM-21 Rating Per TM-21 Data C1 Lumen Package > 500,000 > 95% > 500,000 50°C > 93% >400,000 > 95% > 94% C2 Lumen Package > 93% > 500,000 > 96% > 95% > 95% 40°C > 91% >500,000 > 95% > 94% 50°C > 95% > 93% > 90% > 400,000 C3 Lumen Package > 93% > 300,000 > 240,000 > 200,000 > 95% > 90% > 89% > 83% C4 Lumen Package >500,000 > 96% > 95% > 95% > 93% 40°C > 95% > 300,000 > 92% > 92% > 88% 50°C > 94% > 91% > 90% > 85% > 250,000 C5 Lumen Package > 96% > 300,000 > 94% > 200,000 C6 Lumen Package > 250,000 > 95% > 92% > 90% > 86% 40°C > 95% > 86% > 250,000

POWER AND LUMENS Lumen Package Power (Wattage) Current @ 120V (A) 0.69 0.41 Current @ 277V (A) 0.19 0.30 3,293 5,486 B1-U0-G1 B2-U0-G1 B2-U0-G1 B2-U0-G1 B2-U0-G1 B3-U0-G1 BUG Rating 5,591 3,357 4,074 5,357 7,243 9,259 120 120 umens per Watt MQ Mediun 96 94 **BUG Rating** B2-U0-G1 B2-U0-G1 B2-U0-G2 B2-U0-G2 B3-U0-G2 B3-U0-G2 3,101 3,764 4,949 5,165 6,691 8,554 3000K CCT 111 117 87 B2-U0-G1 B2-U0-G2 B3-U0-G2 B3-U0-G2 B3-U0-G2 2,726 Lumens per Wat B3-U0-G2 B3-U0-G2 B3-U0-G2 B2-U0-G1 B2-U0-G2 B3-U0-G3 BUG Rating 2,440 2,938 4,152 DL Drive Lane Lumens per Watt **BUG Rating** B1-U0-G2 B1-U0-G2 B2-U0-G3 3,848 6,141 7,273 9,423 B2-U0-G1 B2-U0-G1 B3-U0-G1 **BUG Rating** 3,922 6,259 7,413 9,604 4,760 125 umens per Watt B2-U0-G1 B2-U0-G2 B3-U0-G2 B3-U0-G2 B3-U0-G3 B3-U0-G3 **BUG Rating** 6,848 3,623 4,397 5,782 8,872 11,342 4000K CCT umens per Watt WQ Wide 129 129 118 115 **BUG Rating** B2-U0-G2 B2-U0-G2 B3-U0-G2 B3-U0-G2 B3-U0-G3 B4-U0-G3 3,185 3,865 5,082 6,019 7,799 114 114 101 Rectangular Wide B3-U0-G3 3,235 5,506 Lumens per Watt B1-U0-G2 B1-U0-G2 B2-U0-G3 **BUG Rating** 5,817 3,645 4,424 7,204 9,334 umens per Watt 130 124 BUG Rating B1-U0-G1 B2-U0-G1 B2-U0-G1 B2-U0-G1 B3-U0-G1 B3-U0-G2 3,716 5,929 7,343 9,513 B3-U0-G2 B3-U0-G2 **BUG Rating** B2-U0-G1 B2-U0-G2 B3-U0-G3 B3-U0-G3 3,433 4,166 5,478 6,783 8,788 11,235 5000K CCT 123 WQ Wide 114 umens per Watt B2-U0-G2 B2-U0-G2 B3-U0-G2 B3-U0-G2 B3-U0-G3 B3-U0-G3 BUG Rating 9,875 3,017 3,662 4,815 5,962 7,725 Lumens per Watt 108 108 103 100 Rectangula Wide B2-U0-G2 B2-U0-G2 B3-U0-G2 B3-U0-G2 B3-U0-G3 B3-U0-G3

B1-U0-G2 B2-U0-G3

3,858

5,454

3,205

B1-U0-G2

F:T.N

May 28, 2019 9:20 AM



The TopTier™ parking garage, canopy and low-bay luminaire is an innovative solution that delivers an unparalleled combination of L3B performance and visual comfort. The patented WaveStream™ optical technology blocks the line of sight from the LED light sources to the observer, while extracting the maximum amount of light on task. This Date approach results in a high level of uniformity and vertical footcandles that enhances safety in the application environment. The TopTier luminaire is UL/cUL listed for wet locations, IP66 and 3G vibration rated.

SPECIFICATION FEATURES Construction Offered standard in 4000K One-piece, low copper die-cast (+/-275K) CCT, optional 3000K. aluminum housing provides a clean and symmetric housing. Optional uplight feature provides Formed aluminum top is sloped to prevent bird nesting. Metal electrical tray allows for easy

a repeatable and redundant

lane distribution is specifically

direction of travel to optimally

visual comfort with the Wide

backing plate.

DIMENSIONS

F.T.N

CONTROL OPTIONS

For mounting heights up to 8' (-LOS)

or other control methods except when PER7, 5LTD, MS/DIM or LWR is specified.

LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

For additional details, refer to the LumaWatt Pro product guides.

For mounting heights from 8' to 16' (LVR LV)

SURFACE OR PENDANT MOUNT

DESCRIPTION

maintain consistent output across fixtures and reduces cave effect. electrical access for field servicing. Nominal uplight output is 800 Optics Unique optical distributions are lumen package. accomplished using various combinations of reflective backing Electrical plates and WaveStream optical technology. The optical Waveguide electrical tray for optimal thermal Finish is manufactured using precision injection molded acrylic. The

LED driver(s) are mounted to metal performance, 120-277V 50/60Hz. 347V 60Hz or 480V 60Hz operation. durable TGIC polyester powder optics contain features that form 480V is compatible for use with 480V Wye systems only. Standard thickness for superior protection pattern to direct light in a precisely with 0-10V dimming driver(s), prescribed distribution. The drive specify 5LTD for Fifth Light DALI driver(s). Shipped standard with designed for locations with one Eaton proprietary circuit module designed to withstand 10kV of direct light in the same direction of transient line surge. Greater than matches available. Consult the travel for maximum glare control. 90% lumen maintenance expected at 60,000 hours, based off LM-80 Colors brochure for the complete For additional glare control and test data and TM-21. Suitable for distribution, specify the SG option ambient temperature applications from -40°C (-40°F) to 40°C (104°F). Warranty which adds a Solite® glass lens that works in combination with For 50°C (122°F) applications. the Wavequide lens and reflective specify the HA high ambient option. IP66 rated against the ingress of dust and water.

Mounting Standard fixture mounts to a 5000K and 6000K. Minimum 70 CRI. square or octagonal 4" surface or recessed j-box via heavy-gauge a dedicated light engine (17W) to quick mount bracket. Optional mounting methods include trunnion mount and wall mount. With the addition of a field supplied lumens and ranges from 10%-30% wet location j-box, the luminaire total light output depending on the can be pendant mounted using the factory supplied decorative pendant mount kit or a suitable field supplied pendant. **TT** TOPTIER LED

McGraw-Edison

Housing finished in white super coat paint with 2.5 mil nominal against fade and wear. Optional colors include black, bronze, grey, dark platinum and graphite metallic. Available in Natatorium finish. RAL and custom color McGraw-Edison Architectural selection.

Five-year warranty.

7-7/16° [188mm]

This fixture is offered standard with 0-10V dimming driver(s). External 0-10V dimming wire leads are provided for use with a lighting control panel

These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected

to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light

These occupancy sensors include an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting. The factory preset is OFF, Please refer to the supplemental guide to understand limitations of product use regarding specific

The LumaWatt Pro system is a peer-to-peer wireless network of luminaire-integral sensors for any sized project. Each sensor is capable of motion

individual luminaire control. The LumaWatt Pro software provides smart building solutions by utilizing the sensor to provide easy-to-use dashboard

For mounting heights from 16' to 40' (LWR-LN)

and photo sensing, metering power consumption and wireless communication. The end-user can securely create and manage sensor profiles

and analytic capabilities such as improved energy savings, traffic flow analysis, building management software integration and more.

with browser-based management software. The software will automatically broadcast to the sensors via wireless gateways for zone-based and

output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes.

applications. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A veriety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'.

Coverage Side Area (Feet)



Solid State LED

CANOPY/

PARKING GARAGE/

LOW-BAY LUMINAIRE

Electronic LED Driver >0.9 Power Factor <20% Total Harmonic Distortion 20-277V 50/60Hz 347V, 480V 60Hz -40°C Min. Temperature 10°C Max. Temperature 50°C Max. Temperature (HA Option) SHIPPING DATA

Approximate Net Weight 16 lbs. (7.2 kgs.)



Coverage Side Area (Feet)

TT TOPTIER LED



25,000 Hours

> 95%

> 95%

> 96%

> 95%

> 95%

> 95%

> 96%

> 95%

> 94%

> 94%

> 95%

> 95%

50,000 Hours

> 94%

> 95%

> 94%

> 93%

> 90%

> 95%

> 92%

> 91%

> 92%

> 92%

C2 Lumen Package

C4 Lumen Package

C5 Lumen Package

C6 Lumen Package

ADDITIONAL MOUNTING OPTIONS

WALL MOUNT

TRUNNION MOUNT

OPTICAL DISTRIBUTIONS

LUMEN MAINTENANCE

40°C

50°C

25°C

40°C

50°C

40°C

50°C

25°C

40°C

50°C

40°C

25°C

40°C

L3B

TT TOPTIER LED ORDERING INFORMATION

DECORATIVE PENDANT MOUNT

(Drive Lane)

60,000 Hours

TM-21 Rating

> 94%

> 93%

> 95%

>93%

> 92%

> 89%

> 95%

> 92%

> 90%

> 90%

> 91%

100,000 Hours

> 93%

> 93%

> 93%

> 93%

> 91%

> 90%

> 89%

> 85%

> 83%

> 93%

> 88%

> 85%

> 83%

> 86%

> 86%

Product Family	Lumen Package	Lamp Type	Voltage	Distribution	Mounting	Color
TT=TopTier¹	C1=Nominal 3,500 Lumens C2=Nominal 4,500 Lumens C3=Nominal 6,000 Lumens C4=Nominal 7,500 Lumens C5=Nominal 9,500 Lumens C6=Nominal 12,000 Lumens	LED=Solid State Light Emitting Diodes	E1=Electrical (120-277V) 347=347V 480=480V ²	CQ=Concentrated MQ=Medium WQ=Wide RW=Rectangular Wide DL=Drive Lane / Type 4 ^a		[BLANK]=White AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic
Options (Add as	Suffix)	•	•	Accessories (Order	Separately)	
IBP=Integral Bat ICP=Integral Col MS/DIM-L08=Di MS/DIM-L20=Di NAT=Natatorium	ook ads7 mbient* stant Hardware Protection Only DALI Drivers 7-11 tery Pack 12 d Weather Battery Pack 14 mming Occupancy Sensor (<9) M mming Occupancy Sensor (9) - 20	Mounting) 18,14	MA1252= Replacem TT/WG=Wire Guard TT/BG-XX=Bird Guard TT/BG-UPL-XX=Bird DPMS36-XX=36" Pe DPMS48-XX=48" Pe	Configuration Tool for Occupancy Sensitent 10kV Circuit Module I ard for Uplight option ^{19, 12} d Guard for Uplight option ^{18, 17} and ant Mount Stem ^{16, 19} and ant Mount Stem ^{18, 19} and ant Mount Stem ^{18, 19} and ant Mount Stem ^{18, 19}		

1. DesignLights Consortium Dualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Only for use with 480V Wys systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
3. C1-C2 Jumen packages only.
4. Order stem kit accessory.
5. Extragraduals and Order accessory. 5. Extended lead times apply.

6. Additional 17W. Provides 800 nominal lumens. Available in 3000K and 4000K with the C1-C4 lumen packages at a 25°C maximum ambient temperature. Not available with 347, 480, TMB, WM, HA, SLTO, ISP or ICP.

7. Not available with TMB or DPM mounting.

8. HA not available with C5 and C6 lumen packages or 5LTD, IBP and ICP options. Also not available with LWR* options in C3 or C4 lumen packages.

B. Not available with CO, option available with WO only.

11. Replace E1 with specific voltage 120, 208, 240, 277V available). Not available with C6 lumen package.

12. Replace E1 with specific voltage 120, 208, 240, 277V available). O'C minimum with 187, 20°C minimum with 167, 25°C maximum ambient temperature. Not available with WM. DFM, 51TD or HA.

13. The FS/R-100 configuration (see it sequired to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. Includes integral photocall.
 LumaWatt wireless sensors are factory installed only requiring network components in appropriate quantities. See www.eston.com/lighting for LumaWatt application information.
 Specify color in place of XX.
 Designed for use with pendant mounting only.
 Order DPM mounting aption.
 Not available with other accessories.

TT TOPTIER LED

Theoretical L70 (Hours)

Per TM-21 Data

> 500,000

> 500,000

>400,000

> 500,000 >500,000

> 400,000

> 240,000

> 200,000

>500,000

> 300,000

> 250,000

> 300,000

> 200,000

> 250,000

> 250,000

May 28, 2019 9:20 AM

Devenney Group Ltd., Architects 201 W. Indian School Road Phoenix, Arizona 85013 T: 602.943.8950 F: 602.943.7645 www.devenneygroup.com

Devenney

GROU

Consultant:

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NEUROSCIENCE INSTITUTE

HONORHEALTH

7242 E Osborn Rd, Scottsdale, AZ 85251

AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE AUTHORITY HAVING JURISDICTION'S PROJECT **FACILITY NUMBER: AGENCY APPROVALS:**

	REVISIONS	
REV#	DESCRIPTION	DATE
<u> </u>		

08/19/2019 SCALE: DRAWN: AES SRS **REVIEWED:** JOB NUMBER:

SITE LIGHTING CUT SHEETS

DRB-E203

F:T·N

5000K CCT

BUG Rating

BUG Rating

BUG Rating

umens per Watt

umens per Watt

Lumens per Watt

Jumens per Watt BUG Rating

BUG Rating

Lumens

IES files for wattage, BUG rating and lumen output data,

MQ Medium

Rectangular

Wide

DL Drive Lane /

B1-U0-G2

4,424

B2-U0-G1

4,509

133

B2-U0-G2

4,166

B2-U0-G2 3,662

B2-U0-G2

3.858

B1-U0-G2

NOTE: Nominal data with 70 CRI for 4000K and 5000K, 80 CRI for \$000K. Wattage values not valid for drive lane optic, For configurations that include the drive lane optic, glass, uplight or occupancy sensor options refer to the specific

5,817

B2-U0-G1

5,929

132

B3-U0-G2

5,478

4,815

B3-U0-G2

5,454

B2-U0-G3

7,204

124

B2-U0-G1

7,343

127

B3-U0-G2

6,783

5,962

103

B3-U0-G2

9,334

121

B3-U0-G1

9,513

124

B3-U0-G3

8,788

7,725

100

B3-U0-G3

11,932

B3-U0-G2

12,161

113

B3-U0-G3

11,235

B3-U0-G3

May 28, 2019 9:20 AM

3,645

130

B1-U0-G1

3,716

133

B2-U0-G1

3,433

123

B2-U0-G2

108

B2-U0-G2

3,205

B1-U0-G2

Coverage Side Area (Feet)

May 28, 2019 9:20 AM

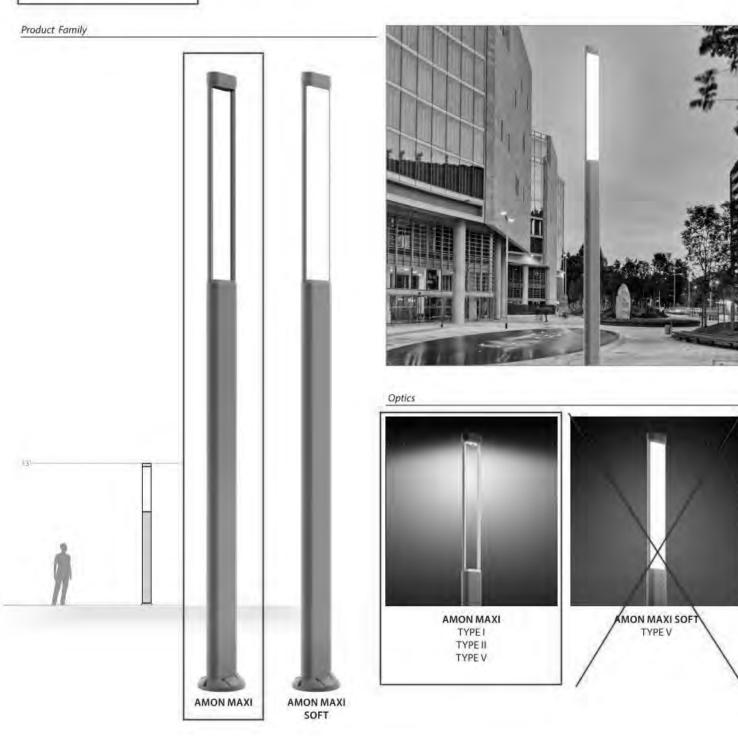
8/21/2019



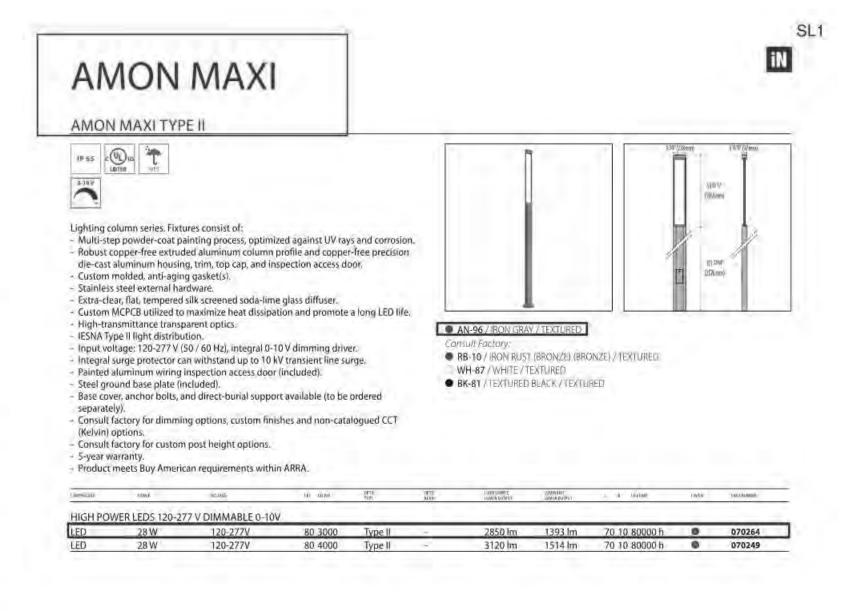
PROJECT HHSOMC NSI MOB

TYPE SL1

AMON MAXI AMON MAXI SOFT



PERFORMANCE iN LIGHTING - 2621 Keys Pointe - Conyers, Georgia 30013 - USA - voice 770.822.2115 - info.usa@pil.lighting www.performanceinlighting.com



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NEUROSCIENCE INSTITUTE

HONORHEALTH

7242 E Osborn Rd, Scottsdale, AZ 85251

AUTHORITY HAVING JURISDICTION:
CITY OF SCOTTSDALE

AUTHORITY HAVING JURISDICTION'S PROJECT
NO:

FACILITY NUMBER:

AGENCY APPROVALS:

REVISIONS						
REV#	DESCRIPTION	DATE				

DATE: 08/19/2019
SCALE:
DRAWN: AES
REVIEWED: SRS
JOB NUMBER:

SITE LIGHTING CUT SHEETS

DRB-E204

25,5"

25.5"

Steamer Product Family

USE-90031

25,5" ---

A Comment

Steamer Large Round Streetlight

SL2

Steamer Large Round Streetlight

7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100 www.ligmanlightingusa.com LIGHTING USA

optimum-quality area lighting projectors. ess than 0.1% copper content - Marine Grade 6060 extruded & LM6 Aluminum High A slim wedge shaped, high pressure die-cast pole ressure die casting provides excellent. mounted area light with a variety of different light mechanical strength, clean detailed product distributions to suit all lighting designer's requirements.

Column-mounted contemporary area lighting family.

Modern and powerful high-end column range using

lines and excellent heat dissipation. This luminaire has been designed to provide excellent 8 step degrease and phosphate process that light distribution patterns using highly efficient LED includes deoxidizing and etching as well as a packages and optics. The result is excellent spacing to zinc and nickel phosphate process before mounting height ratios, with a uniform lighting layout that meets code requirements using less energy.

The Steamer can be utilized to suit specific light patterns Provided with special injection molded "fit for using the asymmetrical type II, III, IV and ME optics, as purpose" long life high temperature memory well as variations of these for precise light distribution requirements. An example of this is using a combination of Type II & Type IV distribution optics inside the same

Type V distributions in medium, wide, very wide & extra wide are also available, please contact factory.

This luminaire complies to dark sky requirements when mounted in the horizontal position. Designed for lighting private roadways, car parks, exhibition areas, service stations and truck stops. Internal house side shields are available as an option.

Available with a selection of integral electronic and dimmable electronic drivers as well as a provision to install occcupancy sensors, as well as wireless lighting controls to integrate with building management systems. (WATT-ADJUST) This luminaire is provided with a programmable driver so that specific wattage requirements can be achieved. These settings are done at the factory during assembly. (See options below)



7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100

www.ligmanlightingusa.com LIGHTING USA

Grade 6060 extruded & LM6 Aluminum High A slim wedge shaped, high pressure die-cast pole

Pre paint

8 step degrease and phosphate process that

This luminaire has been designed to provide excellen light distribution patterns using highly efficient LED

includes deoxidizing and etching as well as a packages and optics. The result is excellent spacing to

Column-mounted contemporary area lighting family. Modern and powerful high-end column range using

distributions to suit all lighting designer's requirements.

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wide are also available, please contact factory.

mounted in the horizontal position.

using the asymmetrical type II, III, IV and ME optics, as

well as variations of these for precise light distribution

optimum-quality area lighting projectors.

mounted area light with a variety of different light

retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression. Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure

Jess than 10% lumen depreciation at 50,000 **BUG Rating**

Surge Suppression

maximum luminous flux output, as well as

providing long LED service life and ensuring

Memory Retentive - Silicon Gasket

Aluminum Casting

Standard 10kv surge suppressor provided with all fixtures. All Ligman products go through an extensive

finishing process that includes fettling to

improve paint adherence. Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products

Provided Hardware is Marine grade 316 Stainless steel.

can withstand harsh environments

Rated for use in natatoriums.

Anti Seize Screw Holes Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis rom heat, corrosive atmospheres and

Crystal Clear Low Iron Glass Lens ovided with tempered, impact resistant rystal clear low iron glass ensuring no green glass tinge.

Precise optic design provides exceptional

Aluminum Casting

ess than 0.1% copper content - Marine

Pressure die casting provides excellent

lines and excellent heat dissipation.

mechanical strength, clean detailed product

zinc and nickel phosphate process before

Provided with special injection molded "fit for

purpose" long life high temperature memory

gaskets exact profile and seal over years of

mechanical strength and thermal dissipation

temperatures. The superior thermal heat

sink design by Ligman used in conjunction

maximum luminous flux output, as well as providing long LED service life and ensuring

less than 10% lumen depreciation at 50,000

Standard 10kv surge suppressor provided

All Ligman products go through an extensive finishing process that includes fettling to

Paint
UV Stabilized 4.9Mil thick powder coat paint

This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Provided Hardware is Marine grade 316

Tapped holes are infused with a special antiseize compound designed to prevent seizure

of threaded connections, due to electrolysis from heat, corrosive atmospheres and

rovided with tempered, impact resistant crystal clear low iron glass ensuring no green

Precise optic design provides exceptional light control and precise distribution of light.

<u>Lumen - Maintenance Life</u> L80 /B10 at 50,000 hours (This means that at

least 90% of the LED still achieve 80% of their

rystal Clear Low Iron Glass Lens

with the driver, controls thermals below

Memory Retentive -Silicon Gasket

retentive silicon gaskets. Maintains the

LM6 Aluminum is used for its excellent

properties in low and high ambient

critical temperature range to ensure

BUG Rating B2 - U0 - G2

Surge Suppression

improve paint adherence.

and baked at 200 Deg C.

Anti Seize Screw Holes

Stainless steel.

glass tinge.

Optics & LED

LED CRI > 80

with all fixtures.

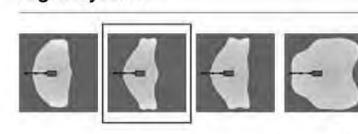
LED CRI > 80 Lumen - Maintenance Life L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their USE-90031

Steamer Large Round Streetlight

7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100 www.ligmanlightingusa.com LIGHTING USA

ACCESSORIES - SINGLE HEAD A91060 A91260 CCESSORIES - DOUBLE HEAD

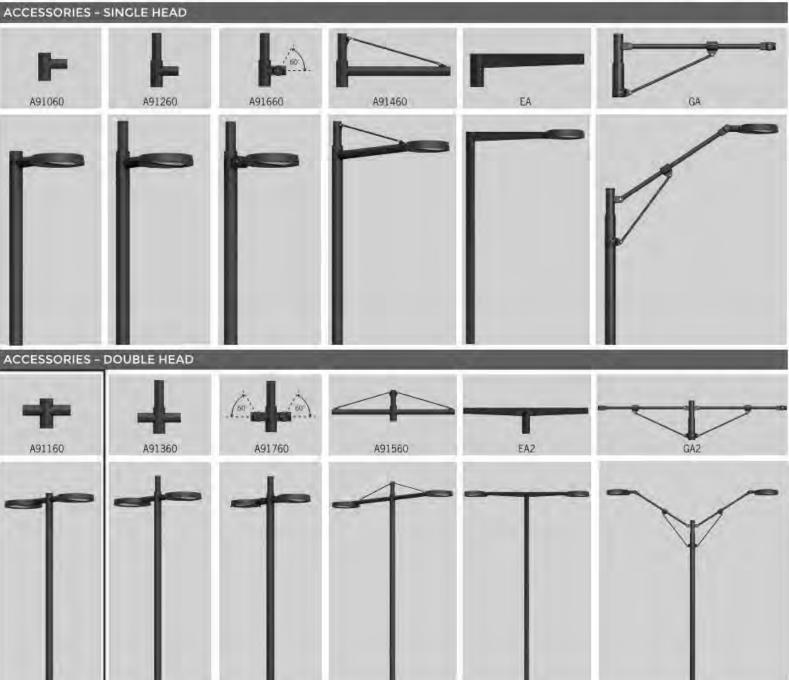
Light Symbol

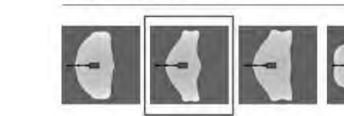


USE-90031

Steamer Large Round Streetlight

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Light Symbol

USE-90031

PROJECT

QUANTITY

Steamer Large Round Streetlight

7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503,645.8100 www.ligmanlightingusa.com LIGHTING USA

HH OSBORN NSI MOB DATE 2019-04 SINGLE FIXTURE POLE

ORDERING EXAMPLE | USE-90031 - 157w - T2 - W30 - 02 - 120/277v

120/277V 157W W30 LED COLOR **FINISH COLOR** VOLTAGE 01 - BLACK RAL 9011 157w LED - 15997lm T2 - Type II Distribution W27 - 2700K 120/277V 02 - DARK GREY RAL 7043 120w LED T3 - Type III Distribution W30 - 3000K Other - Specify 80w LED T4 - Type IV Distribution W35 - 3500K 03 - WHITE RAL 9003

29W LED ME - Type ME Distribution W40 - 4000K 04 - METALLIC SILVER RAL 9006 WATT-ADJUST 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 10 - TRAFFIC GREY RAL 7043

A91060

ACCESSORIES SINGLE HEAD ACCESSORIES DOUBLE HEAD

ACCESSORY WALL

ADDITIONAL OPTIONS - CONSULT FACTORY FOR PRICING

DIM - 0-10v Dimming OS - Occupancy Sensor HSS - Internal House Side Shield

F - Frosted Lens AMB - Turtle Friendly Amber LED

USE-90031

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DATE 2019-04 HH OSBORN NSI MOB PROJECT QUANTITY TYPE SL2 NOTE DOUBLE FIXTURE POLE

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OS - Occupancy Sensor HSS - Internal House Side Shield F - Frosted Lens AMB - Turtle Friendly Amber LED

PRELIMINARY NOT FOR CONSTRUCTION

Devenney

GROU

Devenney Group Ltd., Architects

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Consultant:

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HONORHEALTH

7242 E Osborn Rd, Scottsdale, AZ 85251

AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE AUTHORITY HAVING JURISDICTION'S PROJECT **FACILITY NUMBER:**

AGENCY APPROVALS:

REVISIONS DATE DESCRIPTION

08/19/2019 SCALE: DRAWN: AES SRS REVIEWED: JOB NUMBER:

SITE LIGHTING CUT SHEETS

DRB-E205

Steamer Product Family



NORTHWEST VIEW - FROM EXISTING PARKING GARAGE ACROSS N. BROWN AVE.



SOUTHWEST VIEW - FROM E. OSBORN ROAD



SOUTHEAST VIEW - FROM E. OSBORN ROAD



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RENDERINGS

DRB_39

20-DR-2019 8/21/2019

GENERAL NOTES

Please Note: Based on Scottsdale Revised Code, Chapter 46, Article VI, Protection of Archaeological Resources, Section 46-132 - Surveys of archaeological sites and exemptions, this development proposal will be exempt from the requirement to provide an archaeological resources survey and report. Regardless of the exemption, any development on the property is subject to the requirements of Scottsdale Revised Code, Chapter 46, Article VI, Protection of Archaeological Resources, Section 46-134 - Discoveries of archaeological resources during construction.

SITE PLAN LEGEND

NUMBER OF PARKING STALLS IN RUN

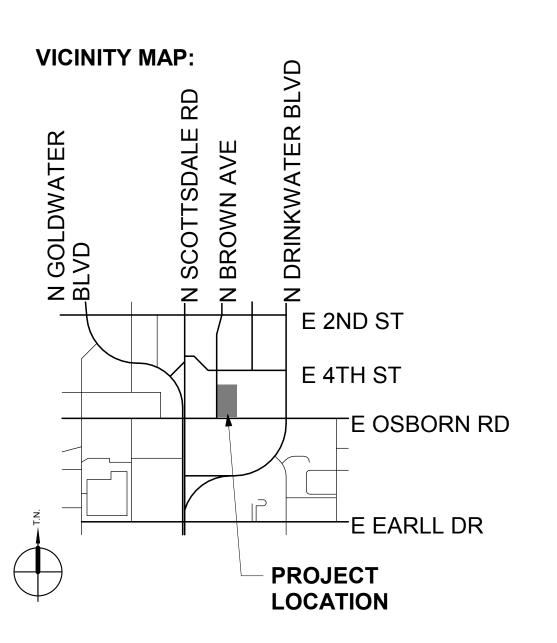
SITE LIGHT ON POLE

EASEMENT

RAMP/STEP DOWN

STRIPED AISLE

B.O.C. BACK OF CURB



PROJECT INFORMATION:

PROJECT NAME:

PROJECT ADDRESS: 7242 E OSBORN RD SCOTTSDALE, AZ 85251

PROJECT DATA:

GROSS LOT AREA: 161,873 SF **NET LOT AREA:** 132,447 SF PARCEL ZONING: D/M-2 SC DO GROSS FLOOR AREA: 116,000 SF

NONE REQUIRED IN DOWNTOWN OVERLAY **OPEN SPACE:**

LANDSCAPE OPEN SPACE:

15% OF PARKING LOT REQUIRED: 64,514*.15 = 9,677 SF

PROVIDED: 19,047 SF

BIKE PARKING: REQUIRED: 0 SEE MASTER PLAN (PROJECT DOES NOT REQUIRE

ADDITIONAL PARKING)

PROVIDED: 16 SPACES (10% of 141 PROVIDED PARKING= 15) PARKING:

REQUIRED: SEE MASTER PLAN (PROJECT DOES NOT REQUIRE

ADDITIONAL PARKING)

141 SPACES (38 COVERED, 103 OPEN) PROVIDED: ACCESSIBLE PARKING:

REQUIRED: SEE MASTER PLAN PROVIDED: 9 ACCESSIBLE SPACES

TRASH COMPACTOR/ENCLOSURE: 4 CU YD PER 20,000 SF **REQUIRED**: 116,000 SF= 24 CU YD

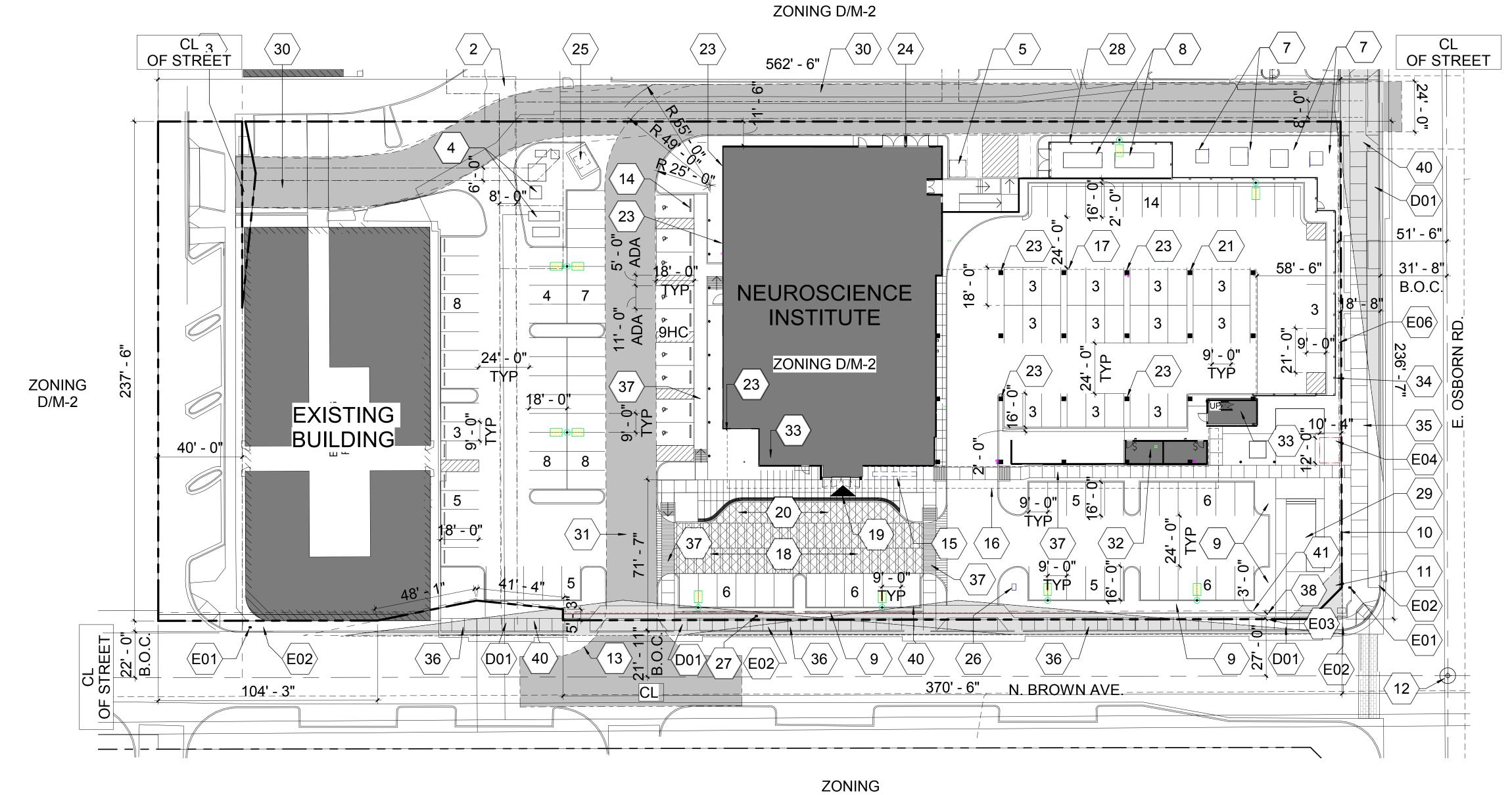
> 18 CU YD (COMPACTOR)+ 8 CU YD TRASH PROVIDED:

ENCLOSURE = 26 CU YD

GROSS FLOOR AREA RATIO:

REQUIRED: 1.3 MAXIMUM PER TABLE 5.3006.B

PROVIDED: 116,000/161,873 = .72



D/M-2

	RETNOTE LEGEND
	T
2	ELECTRICAL EASEMENT.
3	UTILITY EASEMENT.
4	EXISTING TRANSFORMERS.
5	RAMJET VERT-I-PACK 6CU
	TRASH COMPACTOR
_	LOCATION.
7	PROPOSED TRANSFORMER
0	AND SWITCH GEAR LOCATION.
8	PROPOSED GENERATOR LOCATION.
9	PARKING SCREENWALL. SEE
9	LANDSCAPE FOR DETAILS.
10	SETBACK LINE.
11	SITE SAFETY TRIANGLE.
12	MONUMENT LINE.
13	FIRE LANE BOUNDARIES.
14	TIRE STOPS TYP.
15	BICYCLE PARKING (8 RACKS)
18	DECORATIVE PAVEMENT.
19	MAIN ENTRY.
20	DROP-OFF/ ADA ACCESS AISLE.
23	ROOF DRAIN OVERFLOW
	DAYLIGHT.
24	SEPARATE ELECTRICAL
	SERVICE ENTRANCE
	SECTION(SES) YARD W/ GATES.
25	TRASH BIN AND ENCLOSURE
	W/ GATES.
26	FDC LOCATION.
27	RELOCATED FIRE HYDRANT
28	ENCLOSURE W/ GATES
29	PUBLIC SEATING AREA, REFER TO LANDSCAPE DRAWINGS.
30	EXISTING FIRE LANE.
31	PROPOSED FIRE LANE.
33	STAIR (EGRESS)
34	ART WALL
35	4' W. LANDSCAPE STRIP
	AGAINST STREET BACK OF
	CURB, AND 8' W. SIDEWALK
36	6' W. SIDEWALK AGAINST
	STREET BACK OF CURB, AND 4'
	W. LANDSCAPE STRIP.
37	6' W. SIDEWALK
38	NEW RIGHT OF WAY.
40	SITE VISIBILITY TRIANGLE.
41	NEW VEHICULAR NON ACCESS EASEMENT.
D01	
D01	EXISTING ENTRIES TO BE DEMOLISHED
E01	EXISTING FIRE HYDRANT.
E02	EXISTING FIRE HYDRAINT. EXISTING STREET LIGHT.
E03	EXISTING STREET LIGHT.
E04	EXISTING RIGHT OF WAT.
E04	EXISTING WATER EASEMENT.
	ACCESS EASEMENT.
<u> </u>	

KEYNOTE LEGEND



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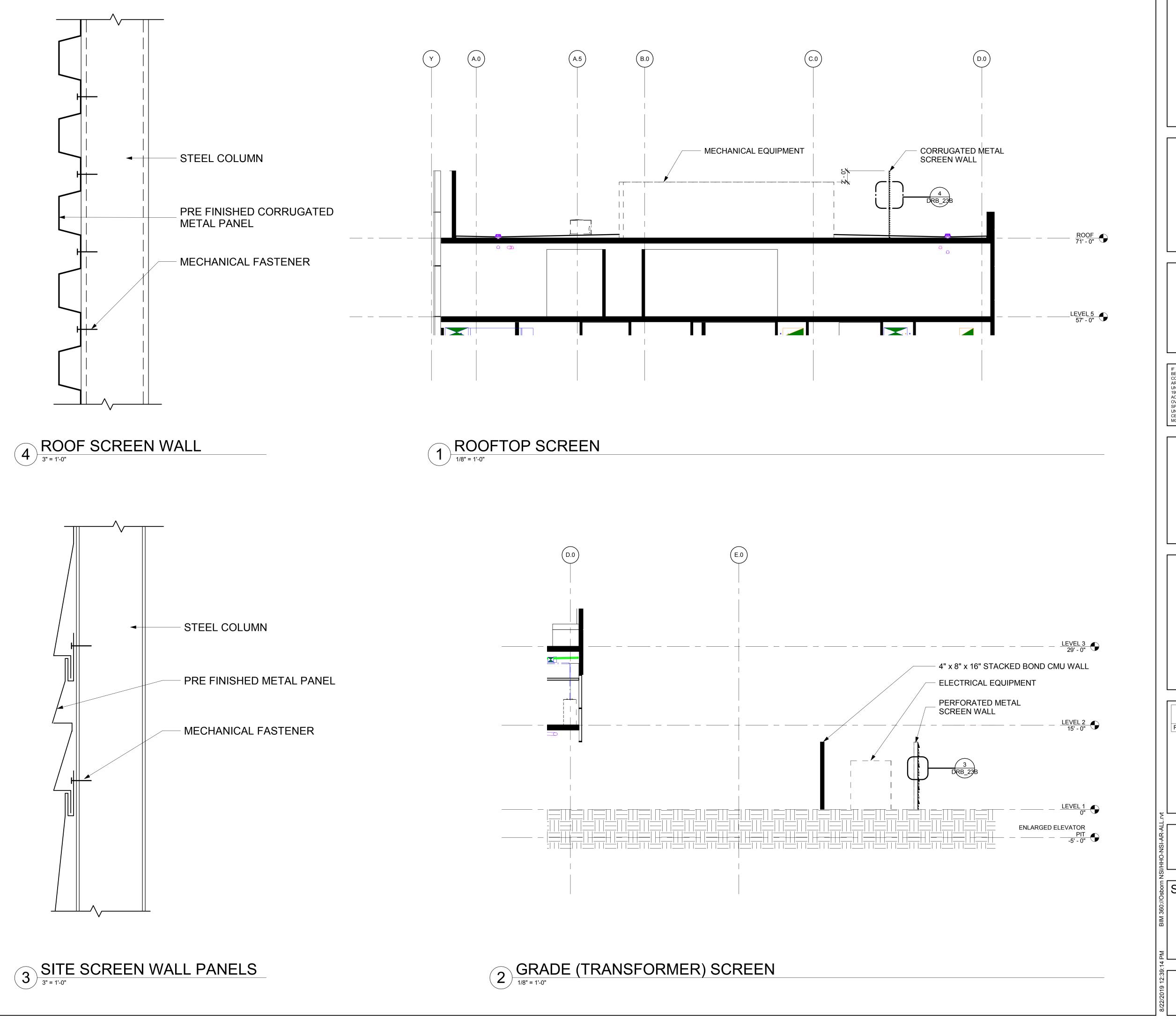
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AUTHORITY HAVING JURISDICTION'S PROJECT NO:
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AGENCY APPROVALS:

REVISIONS					
REV#	DESCRIPTION	DATE			

DATE:	04/18/201
SCALE:	As indicate
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SITE PLAN

DRB_23A





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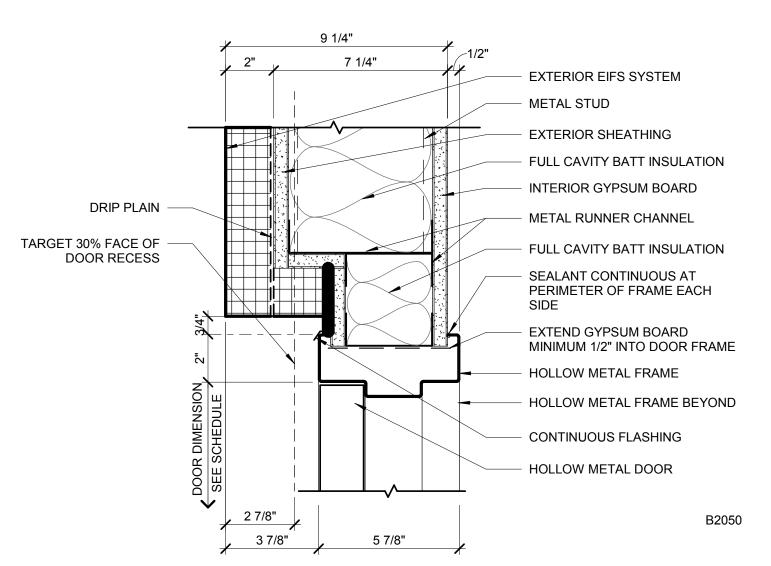
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SCALE: As indicated DRAWN: Author REVIEWED: Checker JOB NUMBER:

SCREEN WALLS

DRB_23B



EXTERIOR HOLLOW METAL DOOR JAMB (HEAD SIM) 3" = 1'-0"

EXTERIOR EIFS SYSTEM

METAL STUD WITH 5/8" TYPE "X"

GYPSUM BOARD

EXTERIOR SHEATHING

FULL CAVITY BATT INSULATION

METAL RUNNER CHANNEL

SEALANT CONTINUOUS AT
PERIMETER OF FRAME EACH
SIDE

ALUMINIUM FRAME

ALUMINIUM FRAME BEYOND

3 1/2"

GLAZING

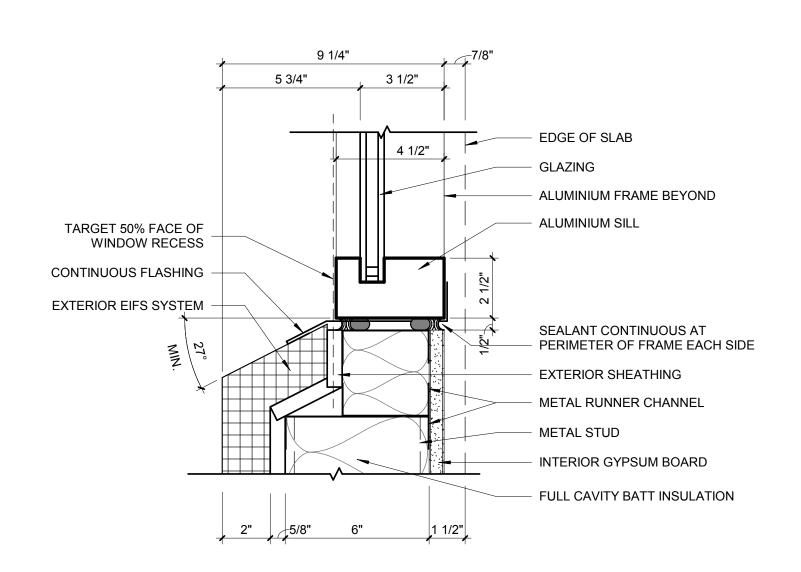
EDGE OF SLAB

EXTERIOR ALUMINIUM WINDOW HEAD(JAMB SIM) 3" = 1'-0"

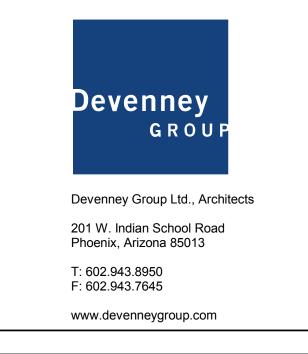
9 1/4"

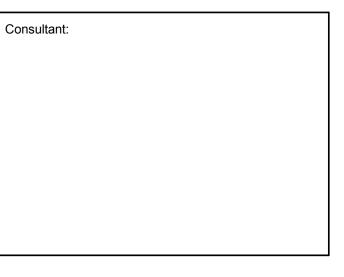
TARGET 50% FACE OF

WINDOW RECESS



EXTERIOR HOLLOW METAL DOOR JAMB (HEAD SIM) 3" = 1'-0"





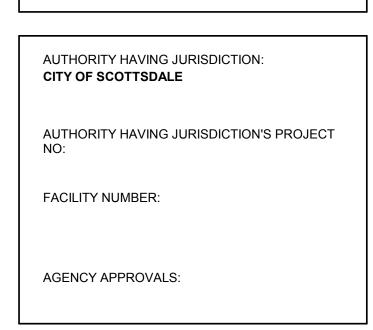
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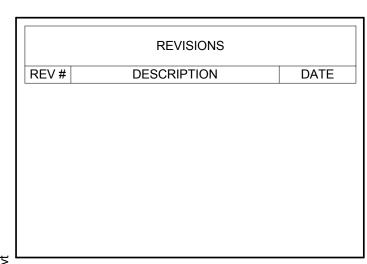
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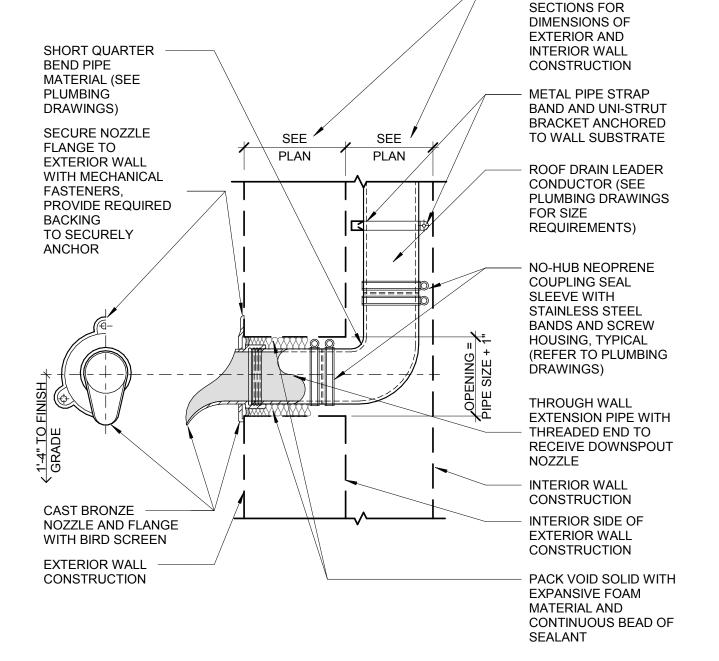




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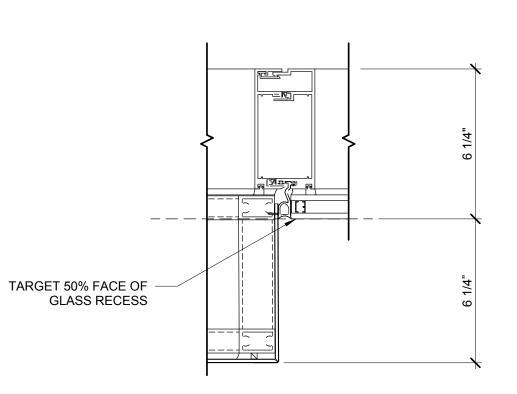
DETAILS

DRB_23C



REFER TO FLOOR PLANS AND WALL

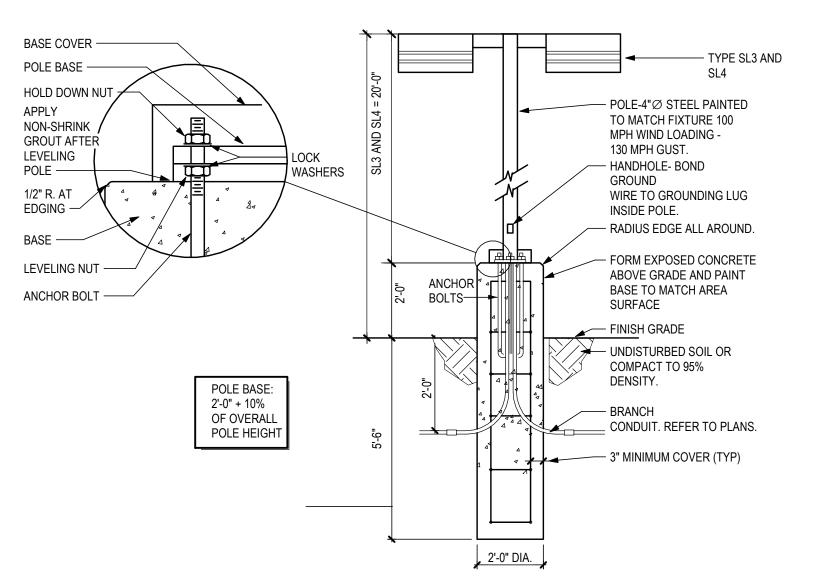
5 DOWNSPOUT NOZZLE OUTLET



EXTERIOR WINDOW DETAIL

(MTL. PANEL 2)

3" = 1'-0"



1 POLE BASE DETAIL

LEGEND - GENERAL					
SYMBOL	DESCRIPTION				
0	JUNCTION BOX IN AN ACCESSIBLE LOCATION.				
J	FLUSH FLOOR MOUNTED JUNCTION BOX.				
E	CONDUIT EXPANSION JOINT.				
S,X	CONDUIT SEAL-OFF. (X) = EXPLOSION PROOF.				
——• DN	CHANGE IN CONDUIT ELEVATION.				
	CAPPED CONDUIT STUB-OUT. PROVIDE BRASS CAP AND PERMANENTLY MARK LOCATION WHERE INSTALLED BELOW GRADE.				
EF 1-2	MECHANICAL EQUIPMENT DESIGNATION.				
## \(\psi\)	OWNER FURNISHED EQUIPMENT DESIGNATIONS, UNLESS NOTED OTHERWISE - REFERENCE SCHEDULE.				
	NEW WORK, EQUIPMENT, DEVICES, WIRING, ETC. IS DEPICTED SOLID IN VARIOUS LINETYPES.				
	EXISTING EQUIPMENT, DEVICES, WIRING, ETC. (AS WELL AS BUILDING ELEMENTS ASSOCIATED WITH OTHER DISCIPLINES) IS DEPICTED SCREENED IN VARIOUS LINETYPES.				
	EQUIPMENT, DEVICES, WIRING, ETC. TO BE REMOVED (DEMOLITION) IS DEPICTED SOLID IN A HIDDEN LINETYPE.				
	FUTURE EQUIPMENT, DEVICES, WIRING, ETC. IS DEPICTED SCREENED IN A HIDDEN LINETYPE.				

LEGEND - ELECTRICAL						
SYMBOL			DESCRIPTION			
●	ô 0	⊢ ⊙ ⊣	LIGHTING FIXTURE - SHAPE, SIZE, MOUNTING, ETC. VARY. FIXTURE TYPE INDICATED. DIRECTIONALITY INDICATED (WHERE APPLICABLE). REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.			

ABBREVIATIONS - GENERAL							
A	AMPHERE	EXRL	EXISTING, RELOCATE, NEW LOCATION				
AFF	ABOVE FINISHED FLOOR (TO CENTER	EXRP	EXISTING, REMOVE AND REPLACE				
AFG	LINE OF ITEM/DEVICE/EQUIPMENT) ABOVE FINISHED GRADE (TO CENTER	EXRR	EXISTING, REMOVE AND RELOCATE AS INDICATED GROUND				
AHJ	LINE OF ITEM/DEVICE/EQUIPMENT) AUTHORITY HAVING JURISDICTION	GND, GRD JB	JUNCTION BOX				
C	CONDUIT	NC	NORMALLY CLOSED				
CKT	CIRCUIT	NO	NORMALLY OPEN				
CO	CONDUIT ONLY	NIC	NOT IN CONTRACT				
CSFD, CFSD	COMBINATION SMOKE FIRE DAMPER	UNO	UNLESS NOTED OTHERWISE				
EC	EMPTY CONDUIT, ELECTRICAL	V	VOLT				
	CONTRACTOR	VA	VOLT-AMPHERES				
EQ	EQUIPMENT	VR	VANDAL RESISTANT				
EP, EXP	EXPLOSION PROOF	WP	WEATHERPROOF				
EX	EXISTING, REMAIN						
EXR	EXISTING, REMOVE						
EXRC	EXISTING, REMOVE AND PROVIDE BLANK COVERPLATE						

GENERAL NOTES

- 1. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE NEC AS AMENDED BY
- 2. PRIOR TO SUBMITTING PROPOSAL, THE CONTRACTOR SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH THE CONTRACTOR WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON THEIR PART. ALL MATERIAL AND EQUIPMENT NOTED OR SPECIFIED TO BE REMOVED WHICH IS NOT SCHEDULED TO BE RE-USED OR RELOCATED SHALL BE CAREFULLY REMOVED AND DELIVERED TO THE OWNER WHERE DIRECTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, COORDINATE AND CONFIRM WITH ANY SPECIALTY EQUIPMENT CONTRACTOR(S) ALL THE FOLLOWING:
- A. EXACT LOCATION OF ALL CONTROL PANELS, CONTROL DEVICES, TERMINATION POINTS, ETC.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES.
- BRANCH CIRCUIT CONDUCTOR COUNT IS NOT SPECIFICALLY SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDE CONDUCTORS AS FOLLOWS AND ADJUST THE CONDUIT SIZE TO CONFORM TO NEC ANNEX C: TABLES BASED ON SPECIFIC FIELD CONDITIONS.
 - (1) PHASE CONDUCTOR FOR EACH CIRCUIT POLE CONTAINED WITHIN THE CONDUIT.
 (1) NEUTRAL CONDUCTOR FOR EACH INDIVIDUAL CIRCUIT OPERATING AT 120V OR 277V.
 - C. (1) EQUIPMENT GROUND CONDUCTOR SIZED BASED ON 250.122.
 - (1) ISOLATED GROUND CONDUCTOR MATCHING THE EQUIPMENT GROUND WHERE A CIRCUIT SERVES AN ISOLATED GROUND DEVICE.
 - (1) SWITCH LEG CONDUCTOR FOR EACH SWITCH LEG REQUIRED.
 - F. (2) SWITCH LEG TRAVELERS FOR EACH THREE-WAY SWITCH CONTROL REQUIRED.
 G. (4) SWITCH LEG TRAVELERS FOR EACH FOUR-WAY SWITCH CONTROL REQUIRED.
 - H. (1) HOT CONDUCTOR FOR EACH CONTINUOUS LIGHTING SYSTEM LOAD REQUIREMENT: EMERGENCY BATTERY PACK (BPB), NIGHT LIGHT, ETC.
 - CONDUCTOR AMPACITY ADJUSTMENTS SHALL BE APPLIED AS DESCRIBED BY NEC CHAPTER 3 FOR EACH SPECIFIC FIELD CONDITION.
- 6. GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
- ALL WIRING SHALL BE COPPER AND INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED. MINIMUM CONDUCTOR SIZE SHALL BE #12AWG AND CONDUIT 1/2" TRADE SIZE. INSULATION SHALL BE TYPE "THHN/THWN". EXCEPT CONDUCTORS USED FOR AIR CONDITIONING AND CONDUCTORS #2AWG AND LARGER SHALL BE TYPE XHHW-2.
- CONDUITS SHALL BE SUPPORTED BY FRAMING CHANNEL (UNISTRUT, B-LINE, OR AS ACCEPTED). INTERVALS OF SUPPORT SHALL COMPLY WITH NEC SECTION APPROPRIATE FOR CONDUIT MATERIAL USED.
- 9. PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL CONDUIT RUNS EXCEPT RGS AND IMC. SIZE PER NEC 250.122.
- 10. PROVIDE RAISED CONCRETE HOUSEKEEPING CONCRETE PAD 4" ABOVE FINISHED FLOOR FOR ALL FREESTANDING ELECTRICAL SWITCHBOARD EQUIPMENT, MOTOR CONTROL CENTERS, DRY TYPE TRANSFORMERS, ETC. CONFIRM PAD SIZE WITH FINAL APPROVED SHOP DRAWINGS OF EQUIPMENT. EXCEPTION: SERVICE ENTRANCE SWITCHBOARDS WITH UTILITY COMPANY METERING, RAISED PAD SHALL CONFORM TO SERVING UTILITY COMPANY REQUIREMENTS AND IN SOME CASES CAN NOT BE RAISED.
- 11. PROVIDE SEPARATION OF LIFE SAFETY SYSTEM FEEDERS AND BRANCH CIRCUITS FROM ALL OTHER WIRING OR EQUIPMENT PER NEC 517 & 700.
- 12. NON-METALIC UNDERGROUND CONDUIT INSTALLED OUTSIDE THE BUILDING FOOTPRINT SHALL HAVE A CONTINUOUS TRACEABLE WIRE, #18AWG MINIMUM, INSTALLED WITHIN 6" DIRECTLY ABOVE IT IN ACCORDANCE WITH ARS #40-360-22M. WIRE SHALL EXTEND 24" ABOVE GRADE AT EACH END AND COILED NEATLY. WHERE OCCURRING WITHIN A SWITCHBOARD, SWITCHGEAR OR SIMILAR, TERMINATE COIL ON THE EQUIPMENT GROUND

ABBREVIATIONS - ELECTRICAL

DP DS DW EJB EDF EF E, EM GD GFI, GFCI HP IG ISO KVA KW LP MBJ MCB MCC MGAP MLO	DISTRIBUTION PANELBOARD DISTRIBUTION SECTION DISHWASHER EQUIPMENT BONDING JUMPER ELECTRIC DRINKING FOUNTAIN EXHAUST FAN EMERGENCY GARBAGE DISPOSAL GROUND FAULT CIRCUIT INTERRUPTER DEVICE HORSEPOWER ISOLATED GROUND ISOLATED KILOVOLT-AMPERES KILOWATTS LIGHTING POLE ASSEMBLY MAIN BONDING JUMPER MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MEDICAL GAS ALARM PANEL MAIN LUGS ONLY	N NL OHE OHT PC PF PNL PP RH SBJ SPD TP TR TS UGC UGE UGES UGEV UGES UGT VFD	NEUTRAL NIGHT LIGHT OVERHEAD ELECTRICAL OVERHEAD TELEPHONE PHOTOCELL POWER FACTOR PANELBOARD POWER POLE RANGE HOOD (POWER CONNECTION) SYSTEM BONDING JUMPER SURGE PROTECTION DEVICE TELEPHONE POLE TAMPER RESISTENT TIME SWITCH UNDERGROUND COMMUNICATIONS UNDERGROUND ELECTRICAL UNDERGROUND ELECTRICAL UNDERGROUND ELECTRICAL, PRIMARY UNDERGROUND TELEPHONE VARIABLE FREQUENCY DRIVE



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REV#	DESCRIPTION	DATE

DATE: 08/19/2019
SCALE: 12" = 1'-0"
DRAWN: AES
REVIEWED: SRS
JOB NUMBER:

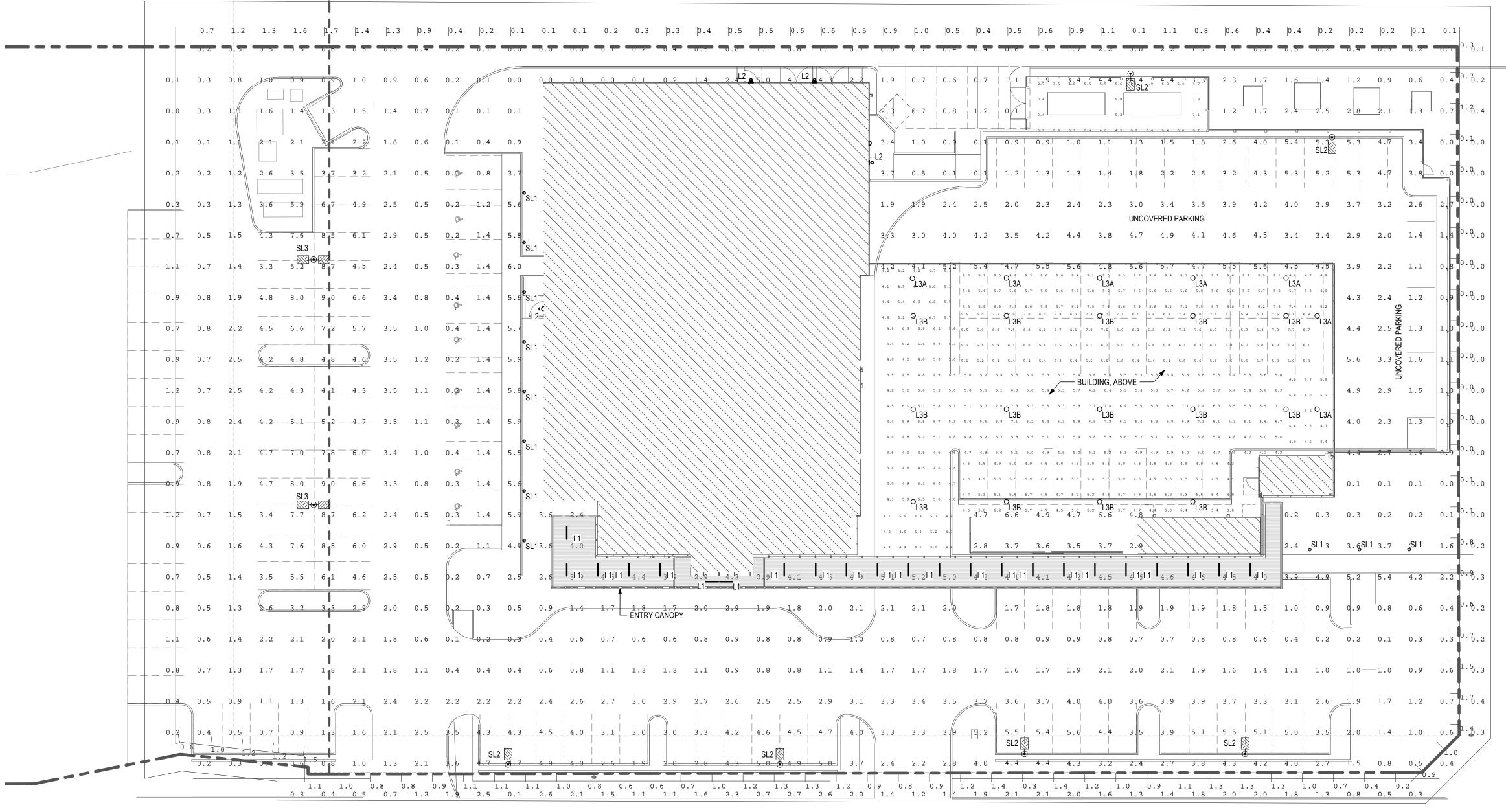
ELECTRICAL GENERAL
SHEET

DRB-E001

DRB LIGHTING FIXTURE SCHEDULE								
MARK	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMPS	WATTAGE	MOUNTING	Type Comments	
					26 W			
.1	PINNACLE ARCHITECTURAL LIGHTING	EX3-WET-N-830-4'-S-U-OL1-1	3"X4' LINEAR LED WITH DIFFUSE LENS, WET LOCATION RATED, WITH 10% 0-10V DIMMING DRIVER	LED, 3000K	19 W	SURFACE MOUNT		
2	HUBBELL	RDI2-12L15W-3K7-3-UNV-BL-8F	WALL MOUNTED AREA LIGHT WITH TYPE 3 DISTRIBUTION	LED, 3000K	15 W	WALL MOUNT		
.3A	EATON - MCGRAW EDISON	TT-C3-LED-E1-DL-8030 HA LWR-LW	LENSED, LED LOW BAY PARKING GARAGE FIXTURE WITH INTEGRAL PHOTOCELL AND DIMMING CAPABILITES. DRIVE LANE DISTRIBUTION.	LED, 3000K	45 W	PENDANT		
.3B	EATON - MCGRAW EDISON	TT-C1-LED-E1-MQ-8030 HA LWR-LW	LENSED, LED LOW BAY PARKING GARAGE FIXTURE WITH INTEGRAL PHOTOCELL AND DIMMING CAPABILITES. MEDIUM DISTRIBUTION.	LED, 3000K	28 W	PENDANT		
SL1	PERFORMANCE IN LIGHTING USA	0702604 AN-96 WITH AMON AN-96 GROUNDPLATE COVER AND 310923	LED LIGHT COLUMN WITH ALUMINUM HOUSING, TYPE II DISTRIBUTION, INTEGRAL 0-10V DIMMING AND TEXTURED IRON GRAY FINISH, MATCHING GROUNDPLATE COVER, AND FLANGE PLATE WITH FIXING MEANS	LED, 3000K	28 W	FIXING PLATE IN GRADE		
SL2	LIGMAN	USE-90031-157W-T3-W30-01-120/277V	ROUND, TYPE 3 LED AREA POLE LIGHT, 3000K	LED, 3000K	157 W	POLE, 20'AFG	ORDER WITH SINGLE HEAD ACCESSORY A91060	
SL3	LIGMAN	USE-90031-157W-T3-W30-01-120/277V (TWO)	DOUBLE-MOUNT, ROUND, TYPE 3 LED AREA POLE LIGHT, 3000K	LED, 3000K	314 W	POLE, 20'AFG	ORDER WITH DOUBLE HEAD ACCESSORY A91160	

Lumin	aire Schedule							
Tag	Symbol	Qty	Label	[MANUFAC]	Description	Arrangement	LLF	Lum. Lumens
SL2		6	USE-90031-T3-W30	LIGMAN	TYPE 3 POLE FIXTURE MOUNTED 20' AFG	SINGLE	1.000	12184
SL3		2	USE-90031-T3-W30 (DOUBLE HEAD)	LIGMAN	BACK-BACK TYPE 3 POLE FIXTURE MOUNTED 20' AFG	BACK-BACK	1.000	12184
L1		23	EX3-WET-N-830-4-S-U-OL1-1	PINNACLE ARCHITECTURAL LIGHTING	3 FT X4 IN LINEAR LED WITH DIFFUSE LENS	SINGLE	1.000	1008
L2	B	4	RDI1-12L-15-3K7-3-U-BL-8F	HUBBELL OUTDOOR LIGHTING	WALL MOUNTED AREA LIGHT WITH TYPE 3 DISTRIBUTION	SINGLE	1.000	1497
SL1	0	11	AMON MAXI_070264	Performance iN Lighting USA	DIMMABLE LED LIGHT COLUMN WITH TYPE 2 DISTRIBUTION	SINGLE	1.000	1393
L3A	0	7	TT-C3-LED-E1-DL-8030 HA LWR-LW	EATON - McGRAW-EDISON (FORMER COOPER LIGHTING)	LOW BAY LED LUMINAIRE DRIVE LANE DISTRIBUTION	SINGLE	1.000	4152
EXST	B	4	EXISINTG FIXTURE	Lithonia Lighting	TWP 35L	SINGLE	1.000	2318
L3B	1 Ō	14	TT-C1-LED-E1-MQ-8030 HA LWR-LW	EATON - McGRAW-EDISON (FORMER COOPER LIGHTING)	LOW BAY LED LUMINAIRE MEDIUM DISTRIBUTION	SINGLE	1.000	3357

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Max/Avg	Meter Type
COVERED PARKING - BASIC_1	Illuminance	Fc	5.19	6.9	3.8	1.37	1.82	N.A.	Horizontal
COVERED PARKING - BASIC_2	Illuminance	Fc	6.18	8.1	5.1	1.21	1.59	N.A.	Horizontal
COVERED PARKING - DRIVE LANE	Illuminance	Fc	5.42	7.4	3.6	1.51	2.06	N.A.	Horizontal
COVERED PARKING - ENTRY DL_1	Illuminance	Fc	5.21	7.3	4.1	1.27	1.78	N.A.	Horizontal
COVERED PARKING - ENTRY DL_2	Illuminance	Fc	5.65	7.6	4.4	1.28	1.73	N.A.	Horizontal
COVERED PARKING - ENTRY DL_3	Illuminance	Fc	4.99	6.3	4.1	1.22	1.54	N.A.	Horizontal
COVERED PARKING - ENTRY PRKG_4	Illuminance	Fc	5.78	7.5	4.7	1.23	1.60	N.A.	Horizontal
GENERATOR YARD	Illuminance	Fc	2.91	6.0	0.3	9.70	20.00	N.A.	Horizontal
HORIZONTAL ILLUMINANCE ANALYSIS	Illuminance	Fc	2.31	9.0	0.0	N.A.	N.A.	N.A.	Horizontal
VERTICAL LIGHT TRESPASS 1	Illuminance	Fc	0.72	1.7	0.0	N.A.	N.A.	N.A.	Vert-PerpCCW



ELECTRICAL SITE PLAN

E EARLL DR

VICINITY MAP:



Devenney Group Ltd., Architects
201 W. Indian School Road
Phoenix, Arizona 85013
T: 602.943.8950
F: 602.943.7645

www.devenneygroup.com

Consultant:

PRELIMINARY
NOT FOR
CONSTRUCTION

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NEUROSCIENCE INSTITUTE

HONORHEALTH

7242 E OSBORN RD SCOTTSDALE, AZ 85251

AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE

AUTHORITY HAVING JURISDICTION'S PROJECT

FACILITY NUMBER:

AGENCY APPROVALS:

	REVISIONS	
REV#	DESCRIPTION	DATE
		<u>'</u>

DATE: 08/19/2019
SCALE: As indicated
DRAWN: AES
REVIEWED: SRS
JOB NUMBER:

SITE LIGHTING PHOTOMETRICS

DRB-E101

Lumina	aire S	Schedule							
Scene	: Pos	st Curfew							
Tag Symbol Qty Label [MANUFAC] Description		Description	Arrangement	LLF	Lum. Lumens				
SL2		\Box	6	USE-90031-T3-W30	LIGMAN	TYPE 3 POLE FIXTURE MOUNTED 20' AFG	SINGLE	1.000	12184
SL3	ΙE	30	2	USE-90031-T3-W30 (DOUBLE HEAD)	LIGMAN	BACK-BACK TYPE 3 POLE FIXTURE MOUNTED 20' AFG	BACK-BACK	1.000	12184
L1			23	EX3-WET-N-830-4-S-U-OL1-1	PINNACLE ARCHITECTURAL LIGHTING	3 FT X4 IN LINEAR LED WITH DIFFUSE LENS	SINGLE	1.000	1008
L2		B	4	RDI1-12L-15-3K7-3-U-BL-8F	HUBBELL OUTDOOR LIGHTING	WALL MOUNTED AREA LIGHT WITH TYPE 3 DISTRIBUTION	SINGLE	1.000	1497
SL1		8	11	AMON MAXI_070264	Performance iN Lighting USA	DIMMABLE LED LIGHT COLUMN WITH TYPE 2 DISTRIBUTION	SINGLE	1.000	1393
L3A		0	7	TT-C3-LED-E1-DL-8030 HA LWR-LW	EATON - McGRAW-EDISON (FORMER COOPER LIGHTING)	LOW BAY LED LUMINAIRE DRIVE LANE DISTRIBUTION	SINGLE	1.000	4152
EXST		B	4	EXISINTG FIXTURE	Lithonia Lighting	TWP 35L	SINGLE	1.000	2318
L3B		0	14	TT-C1-LED-E1-MQ-8030 HA LWR-LW	EATON - McGRAW-EDISON (FORMER COOPER LIGHTING)	LOW BAY LED LUMINAIRE MEDIUM DISTRIBUTION	SINGLE	1.000	3357

Calculation Summary
Scene: Post Curfew
Label

COVERED PARKING - BASIC_1
COVERED PARKING - BASIC_2
COVERED PARKING - DRIVE LANE
COVERED PARKING - ENTRY DL_1
COVERED PARKING - ENTRY DL_2
COVERED PARKING - ENTRY DL_3

- 1. FIXTURE SHALL BE DIMMED TO 50% BRIGHTNESS DURING
- NIGHTTIME HOURS.
 2. FIXTURE SHALL BE DIMMED TO 60% BRIGHTNESS DURING
- NIGHTTIME HOURS.

 3. FIXTURE SHALL BE DIMMED TO 80% BRIGHTNESS DURING NIGHTTIME HOURS.

	GROU	P
Deve	nney Group Ltd., Ard	chitects
	/. Indian School Roa nix, Arizona 85013	ad
	2.943.8950 2.943.7645	
www.	devenneygroup.com	า

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AGENCY APPROVALS:

	REVISIONS									
REV#	DESCRIPTION	DATE								

DATE: 08/19/2019
SCALE: As indicated
DRAWN: AES
REVIEWED: SRS
JOB NUMBER:

SITE LIGHTING PHOTOMETRICS

DRB-E102

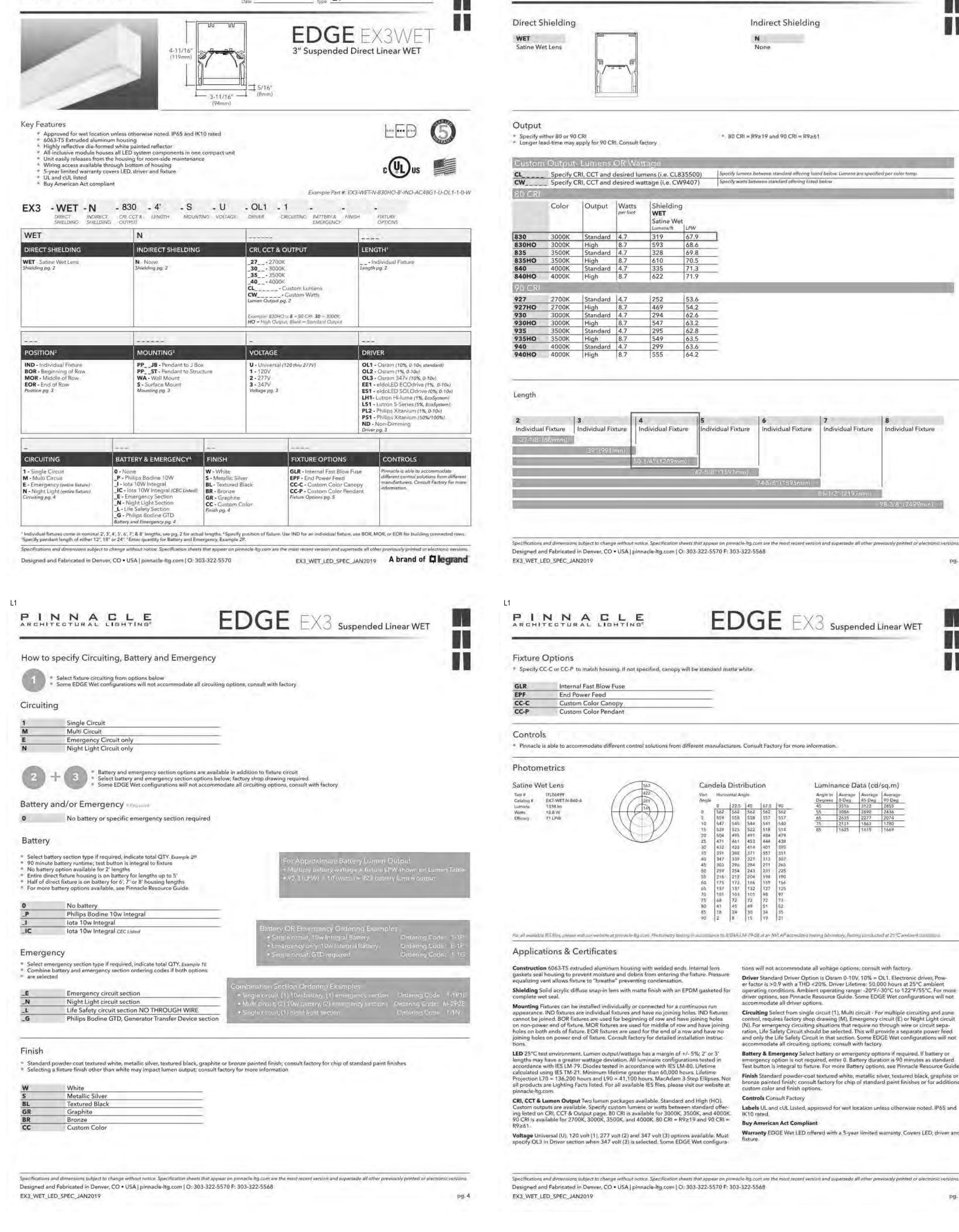
COVERED PARKING - ENTRY PRKG_4 Illuminance ENTRY WALKWAY Illuminance GENERATOR YARD Illuminance HORIZONTAL ILLUMINANCE ANALYSIS Illuminance VERTICAL LIGHT TRESPASS 1 Illuminance	Fc 2 Fc 2 Fc 2 Fc 6	2.26 4.7 0.1		h. Horizontal h. Horizontal h. Horizontal																							
	0.7	1.2 1.3	1.6 1	.7 1.4	1.3 0.	9 0.4	0.2 0.1	0.1 0	0.1 0.2	0.3 0.	.3 0.4	0.5 0.	.6 0.6	0.6 0.5	0.8	1.0 0.5	5 0.4	0.5 0.6	0.9	1.1 0.1	1.1	0.8 0.6	0.4 0	0.2	0.2 0.2	2 0.1	0.1
			[12	12		-					•							1 0 7
	0.1 0.3		0.9 0.			7 0/1	0.1 0.1			0.1	2 1.4	2.44 85.0	0 4.11.12	4.3 2.3	1.9	0.7 0.6	0.7 1	0.4	3.4 1 2	5.9 SL2	1	1.3	1.7 1.		2 8 2.1	0.6	0.7 1.20.4
	0.1 0.1	2.1	2.1	2.2	1.8 0.6	0.1	0.3 0.6	0.5							3 · 4	1.0 0.9	0 1 0	0.5 0.5	0.6	0.7	1.1 1	.4 2.2	3.6 5.	. 0 5. 0 SL2	5.0 4.4	3.2	0.0
_	0.2 0.2					(TYP.	0.5 OF 8) 2.3	1 0 SL1								0.5 0.1	0 1 0).6 0.7 	0.7).9 1 2	 1 .6 2 	2.1 2.6	3.8 4.			3.5	2.00.0
	0.3 0.7 0.5	1.5 3.6	7.6 8			Ģ		2 1							1.0					UNCO	VERED PARKI	NG			3.0 2.81.7 1.2		1.10.8.0
	1.1 0.7	1.4 3.3	SL3 	7 4.5	2.4 0.5	6 0.3 — — -		SL1 3 4						(TYP. OF 7)	2.1)	2.7 2.8 2.7 2.5 C	2.4 2.8	2.9 2.8 2.6 C	2.5 2.9		2. \(\frac{1}{4} \) \(\frac{2}{8}\) \(\frac{8}{13}\) \(\frac{2}{13}\) \(\frac{2}{13}\) \(\frac{2}{13}\)	2.8 2.6 O ₂	·	2.0 1.1	0.6	0.9.0
	0.8					~	0.9 3.6	L2						(117.077))		3.1 3.0 2.8	2.7 2.7 2.9 2.8 3.0 3.5 2.8 3.0 3.6 C		 		2.9 2.8 2.9	3. 0 2.9 2 9	2.9 2.9 3.0 2 3.0 3.2 3.6 3 3.0 3.2 3.8 QL	.8 3.2 2 6 1 3.5 O 1 L3A	2.2 1.2	KING	2.50.8.0
	_	2.5 4.5				0.3	0.9 3.7	SL1								2.8 2.8 2.6	2.7 3.0 3.5 2.6 2.8 3.0 2.5 2.6 2.7		2.9 3.1 3.6	3.8 3.5 3.0 2 3.2 3.1 2.9 2 2.8 2.8 2.7 2	2.9 3.1 3.6 2.8 2.9 3.1 2.7 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	3.9 3.5 3.1 3 3.2 3.1 2.9 2 2.8 2.8 2.8 2	3.0 3.2 3.7 3. 2.9 3.0 3.2 3. 2.8 2.9 2.9 3.	3 3.1	2.2 1.32.8 1.7	ERED F	
	1.2 0.7	2 . 5 <u>4 . 2</u>	_4.3 4	14.3_	3.5 1.1			SL1 ² 1						5	2.1 2.6	2.8 2.7 2.5	2.5 2.6 2.7 2.5 2.8 3.1 2.6 2.9 3.5	3.2 2.9 2.7	BUILDII 2.7 2.9 3.1	NG, ABOVE —	2.7 2.9 3.1	3.2 3.0 2.7	2.7 2.9 3.2		2.5 1.5	0.7	0.8.0
	0.9 0.8					L 0.2	0.9 3.6	SI 1							2.2 3.0	3.3 2.9 2.6 2.7 2.6 2.5	2.5 2.8 3.4	3.6 3.1 2.7	2.7 2.9 3.5	3.6 3.1 2.7	2.6 2.9 3.5 2.5 2.7 2.9	3.6 3.1 2.6 2.9 2.7 2.4	2.5 2.8 3.4 3 2.4 2.5 2.7 2	.3 2.8 2.4	2.0 1.2		
		2.1 4.7 1.9 4.7				© 3 0.3	0.9 3.5	1 8							1.9 2.1	2.4 2.4 2.4	2.4 2.5 2.6 2.4 2.4 2.5 2.4 2.5 2.7	2.5 2,4	2.4 2.5 2.5	2.6 2.5 2 4 2.8 2.6 2.4	2.4 2.4 2.5	2.4 2.3 2.1 2.7 2.5 2.1	2.1 2.1 2.1		0.0 0.0		
	1.2 0.7	1.5 3.4	SL3 		2.4 0.5	5 0.3	0.9 3.6	2.3						(TYP. OF 14)	2.3 3.1	L3B	2.5 2.6 3.1 C		$\frac{\begin{array}{c cccccccccccccccccccccccccccccccccc$				0.	.1 0.2	0.2 0.1	0.1 (0.1
	0.9 0.6	1.6 4.3	7.6 8	5 6.0			0.7 3.0		.2				L1	L1 L1	3.2 3.4 L1 L1	3.5 3.4 3.3 L1	1.4 1	9 1.8 L1 L1	1.8 1	8 1.5	1 3 7 3	L1 L1	L1		2.2SL1 2.2	(2)	1.0 0.5 .2 (TYP. OF 3)
	0.8 0.5								.2 1.4		4 1.6	L1	5 1.4	1.6 1.6	1.6	1.6 1.6	3.3		1.4	5 1.5	1.5	1.5	3)(TYF	P. OF 23)	0.6 0.5		
	1.1 0.6	1.4 2.2	2.1 2	0 2.1	1.8 0.6	5 0.1	0.2 0.2	0.3 0.				0.8 0.	7 0.7	0.8 0.8	0.7	0.6 0.6	0.7	0.7 0.8	0.8	0.6 0.6	0.6 0	0.7	0.5 0.	.3 0.2	0.1 0.1	0.3	0.3
	0.8 0.7				1.8 1.1	0.4	0.4 0.4	0.6 0.	.8 1.1	1.3 1.3	3 1.1	0.9 0.	7 0.8	1.0 1.3	1.6	1.6 1.7	1.6	1.7	1.8 2	2.1 2.0	2.1 1	1.9 1.6			0.9-1.0		
	0.4 0.5	0.9 1.1			2.4 2.2 _2.12.5		4.3 4.3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$.5 2.7	3.0 2.9				2.8 3.1				5.5 5.4	4.0	3.9 3.6	3.8 3	$\begin{bmatrix} 3.9 & & 3.7 \\ & & & \\ & & & \\ 5.1 & & & 5.5 \end{bmatrix}$			1.9 1.7 2.0 1.4		_
	0.2	1.2 1.	2 0 6 5 0	8 1.0	1.3 2.1	L 3.6	\$L2	14.9 14	.0 2.6	1.9 2.4	0 2.8	4.2 5.0	SL2	5.0 3.7	2.4	2.1 2.8	4.0	SL2	4.3	3.2 2.4	2.7 3	3.8 4.3	4.2 4.	.0 2.7	1.5 0.8	0.5	1.0
			0.3 0.	1.0 0.5	8 0.8	0.9 1.	1 1.1 2.5 0.1	1.1 1.0	0.8 0.	0.5	0.7 0.	9 1.1 2.3 2.	1.2 1. 7 2.7	2.6 2.0	0.7	0.8	1.1 1.4	0.3	1.4 1.2 2.0 1	1.0	1.4 1	1.3	1.3 1.2 2.0 1.	1.0 0.	6 0.4 0.5	0.2	<i>/</i> =

ELECTRICAL SITE PLAN - PRE/POST-CURFEW

PARTIER BILLING GOLDWATER BILL

___E EARLL DR

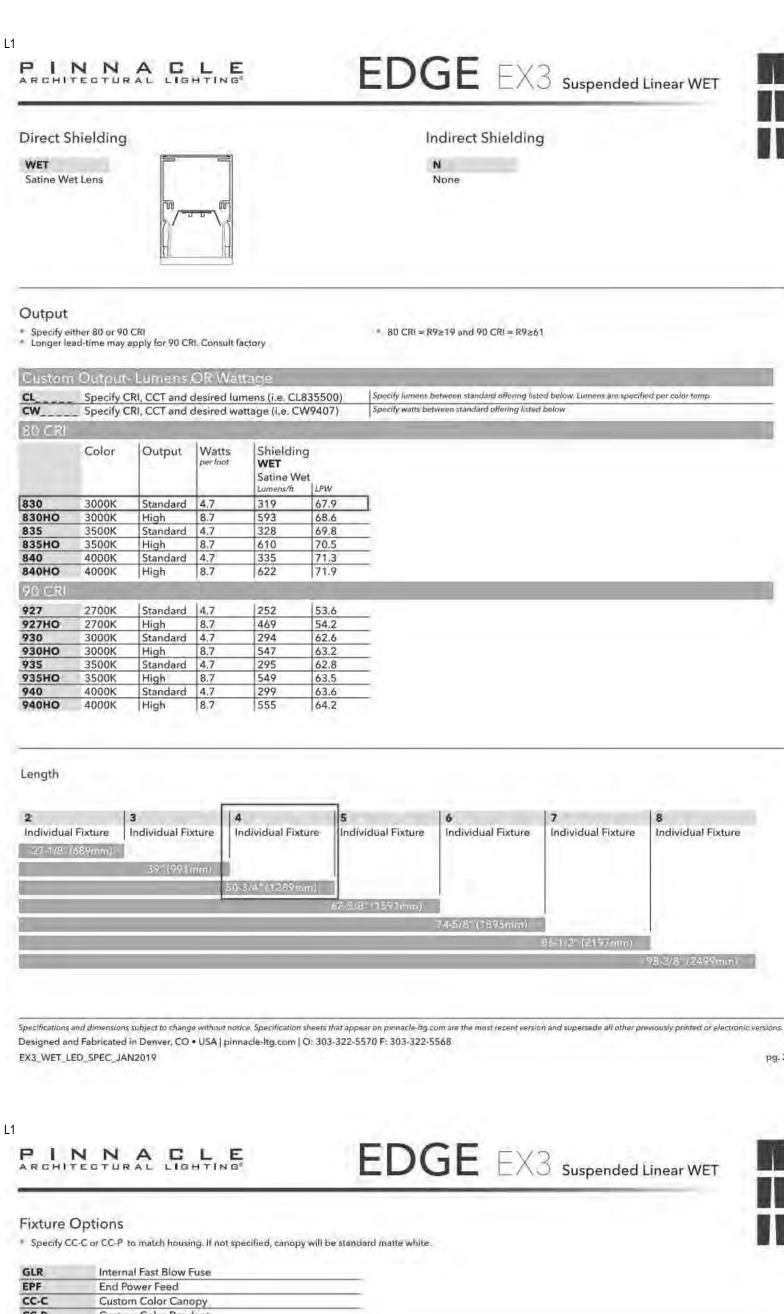
VICINITY MAP:

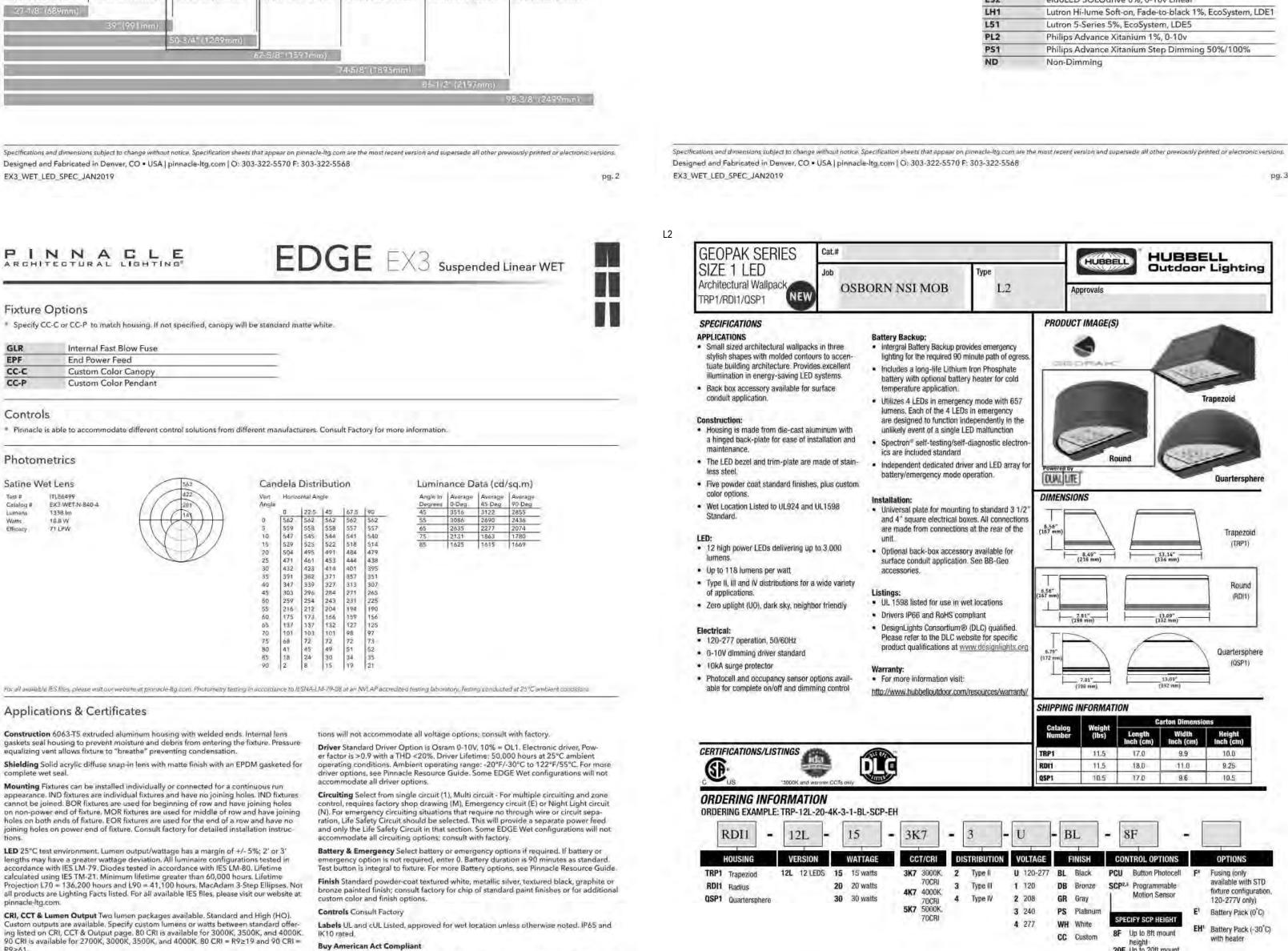


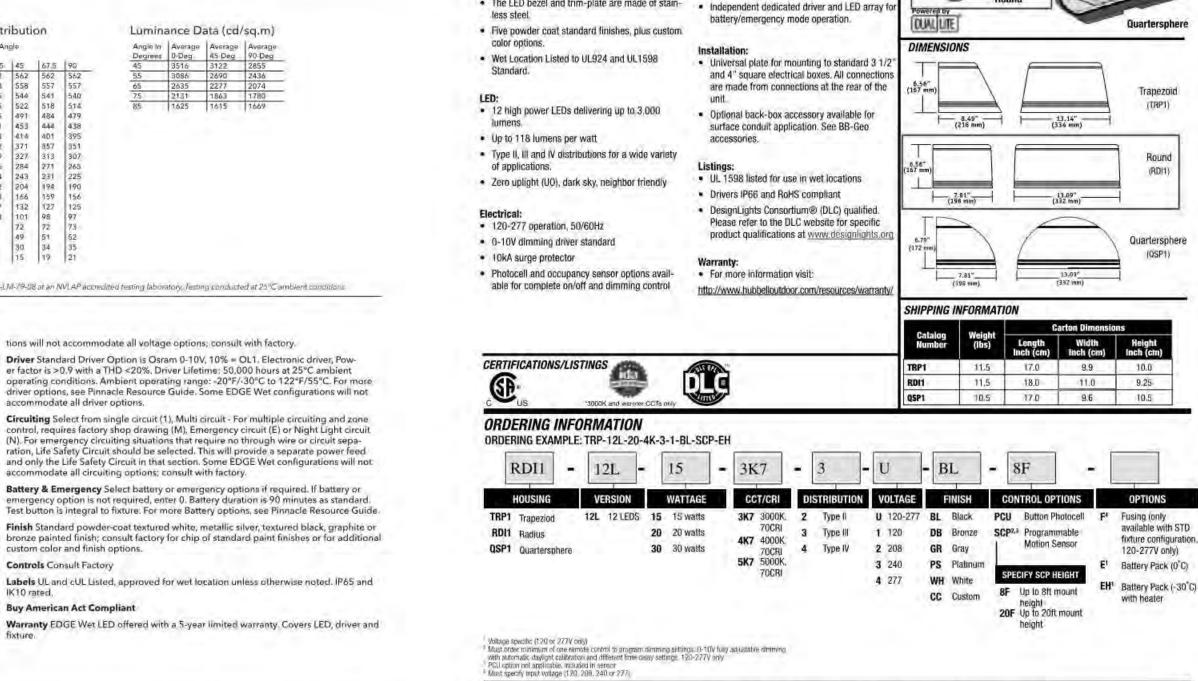
HH OSBORN NSI MOB

PINNACLE

ARCHITECTURAL LIGHTING







pg. 5

PINNACLE

ARCHITECTURAL LIGHTING

Specify overall pendant length of 12", 18" or 24"

End trims and power cord attached at factory

Approved for wet location unless otherwise noted

Wall Mount

Pendant Pipe to J-Box

Pendant Pipe to Structure

* Some EDGE Wet configurations will not accommodate all voltage options;

OSBORN NSI MOB

Battery Backup:

Intergral Battery Backup provides emergency

Includes a long-life Lithium Iron Phosphate

· Utilizes 4 LEDs in emergency mode with 657

unlikely event of a single LED malfunction

Spectron[®] self-testing/self-diagnostic electron

lumens. Each of the 4 LEDs in emergency

are designed to function independently in the

temperature application.

ics are included standard

battery with optional battery heater for cold

lighting for the required 90 minute path of egress,

Position

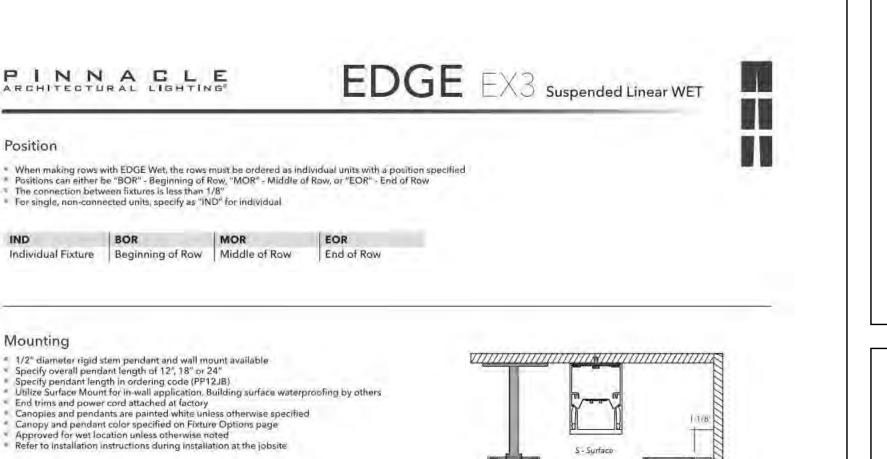
Mounting

Voltage

consult with factory

120 volt

277 volt



PP - Pendant Pipe

For more driver options see Pinnacle Resource Guide

Non-Dimming

Driver Lifetime: 50,000 hours at 25°C ambient operating conditions.

Osram Optotronic 10%, 0-10v

Some EDGE Wet configurations will not accommodate all driver options;

Osram Optotronic 1%, 0-10v, nominal 1% dimming range

Osram Optotronic 347v 10%, 0-10v, requires 347v option

Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1

HUBBELL

Outdoor Lighting

TRP1/ROI1/QSP1-SPEC

JUNE 1, 2018 8:51 AM

pg.3

Philips Advance Xitanium Step Dimming 50%/100%

eldoLED ECOdrive 1%, 0-10v Logarithmic

eldoLED SOLOdrive 0%, 0-10v Logarithmic

eldoLED ECOdrive 1%, 0-10v Linear

eldoLED SOLOdrive 0%, 0-10v Linear

Lutron 5-Series 5%, EcoSystem, LDE5

Philips Advance Xitanium 1%, 0-10v

HUBBELL

PRODUCT IMAGE(S)

Driver

L2

Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

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HUBBELL
Outdoor Lighting
Dutdoor Lighting
Dutdoor Lighting

Standard Driver Option = OL1

consult with factory

Consultant:

Devenney

GROU

Devenney Group Ltd., Architects

201 W. Indian School Road Phoenix, Arizona 85013

www.devenneygroup.com

T: 602.943.8950

F: 602.943.7645

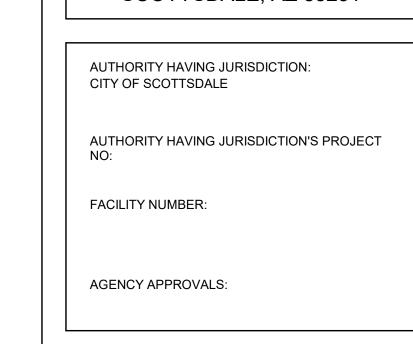
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NEUROSCIENCE INSTITUTE

HONORHEALTH

7242 E OSBORN RD SCOTTSDALE, AZ 85251



REVISIONS	
DESCRIPTION	DATE
	DESCRIPTION

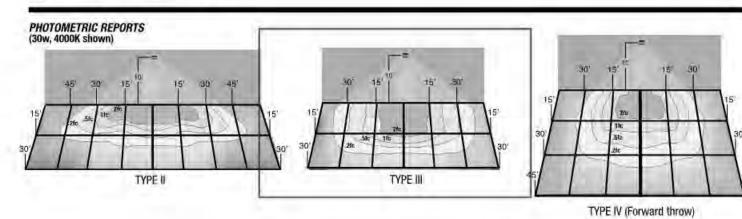
08/19/2019 SCALE: DRAWN: AES SRS **REVIEWED:** JOB NUMBER:

SITE LIGHTING CUT SHEETS

L2

2 500mA 19.9

<i>ectrical</i> put Pov	<i>vata</i> ver Const	ımption		Projected Lu	men f	//ainten	ance				AMBIENT TEM		MPERATURE FACTO LUMEN MULTIPLIER	
Drive Input System			Operating Hours						0° C	32 F	1.02			
Current (mA)	Voltage (V)	Power (w)	(Amps)	Ambient	1			TM-21-11 ¹	400,000	L70	10°C	50° F	1.01	
	120	F-F-	0.12	Temp.	0		50,000	60,000	100,000	(hours)	20° C	68' F	1.00	
350mA		13.9	-	25°C/77°F	1.00	0.98	0.97	0.95	0.91	>345,000	25° C	77° F	1.00	
24 7 1	277	74	0.05	40°C/104°F	1.00	0.96	0.95	0.92	0.87	>268,000	30° C	86' F	1.00	
	120		0.17	40 G/104 F	1,00	0.90	0.50	0.32	U.07	>200,000	40° C	104°F	0.99	
500mA			19.9	0.11								50° C	122 F	0.98
X.192.(VC)	277		0.07										lumen output for average	
700 m A	120	00.0	0.24								ambient temperatures	from D-4D°C (3	2-104°F).	
700mA	277	28.2	0.10											



		TYPE IV (For	ward throw)
HUBBELL	HUBBELL Outdoor Lighting	Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000 Due to our continued efforts to improve our products, product specifications are subject to change without notice. © 2016 HUBBELL OUTDOOR LIGHTING. All Rights Reserved • For more information visit our website: www.hubbelloutdoor.com • Printed in USA	TRP1/RDI1/QSP1-: JUNE 1, 2018 8:51

DECORATIVE PENDANT MOUNT

(Drive Lane)

TM-21 Rating

> 95%

> 89%

> 95%

> 92%

> 90%

> 90%

C1 Lumen Package

C2 Lumen Package

C3 Lumen Package

C4 Lumen Package

C5 Lumen Package

C6 Lumen Package

RW (Rectangular Wide)

100,000 Hours

> 93%

> 93%

> 91%

> 90%

> 83%

> 93%

> 88%

> 85%

> 86%

> 86%

Functional Circuitry: Transient surge protection device on AC input. Upon failure of the Self-Test feature runs a 1 minute test once a month and an alternating 30 or 60 detection and charging status.

normal utility power, an LED driver is automatically activated to power the emergency minute test once every 6 months. Multi-color LED indicator provides visible fault LEDs. Upon resumption of normal utility power, the LED driver is turned off, and the battery is recharged through a micro-controller based 3-stage charger. The battery is a . User initiated 1, or 90-minute system test feature maintenance-free Lithium Iron Phosphate (LiFePo) type. A low voltage battery disconnect 15 minute re-transfer delay (LVD) feature protects the battery from severe damage during prolonged power failures.

watts when charging if the battery temp is lower than 10°C

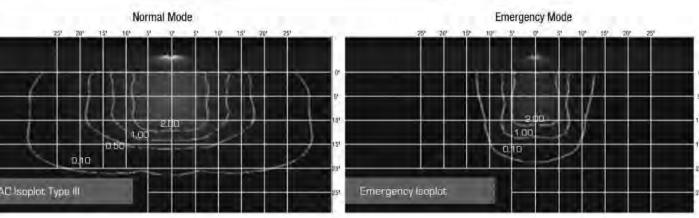
- Manual testing is available at any time using the push-to-test button. The optional heater Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage). features a heating wrap and thermostat to maintain optimal battery temperature during . Battery backup units consume 6 watts when charging a dead battery and 2 watts charge or discharge. The GeoPak includes the following features: during maintenance charging. EH (units with a heater) consume up to an additional 8
- · AC Lock-out circuit · Self-diagnostics monitors LED status, LED driver circuit, battery capacity and charger
- function and displays any fault detection by means of a flashing code. Emergency Photometric Performance (1 fc average .1 fc minimum) 28' multi-unit spacing at 10' MH with 0/30/10 reflectances on a 6' path 26' x 10' single unit coverage at 10' MH with 0/30/10 reflectances

6' x 19' forward throw coverage at 10' MH with 0/30/10 reflectances

. Battery re-charge within 24 hours

Specialized Egress Optics





Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions. Diagrams for illustration purposes only, please consult factory for application layout.



TT TOPTIER LED POWER AND LUMENS

romen Lackada			61	Le C	- 63	64	63	Co
Power (Wattage)			28	34	45	58	77	108
Current @ 120V (A)		0.26	0.31	0.41	0.52	0.69	0,95
Current @ 277V (A)		0.13	0.14	0.19	0.24	0.30	0.41
	Lumens	1	3,293	3,997	5,256	5,486	7,107	9,084
	Lumens per Watt	CQ Concentrated	118	118	117	.95	92	84
	BUG Rating	Concentrates	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1
	Lumens		3,357	4,074	5,357	5,591	7,243	9,259
	Lumens per Watt	MQ Medium	120	120	119	96	94	86
	BUG Rating		B2-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2
	Lumens		3,101	3,764	4,949	5,165	6,691	8,554
3000K CCT	Lumens per Watt	WQ Wide	111	111	110	89	87	79
	BUG Rating	10000	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
	Lumens	PIVAL.	2,726	3,308	4,350	4,540	5,882	7,519
	Lumens per Watt	RW - Rectangular	97	97	97	78	76	70
	BUG Rating	Wide	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
	Lumens	tu recuri	2,440	2,938	4,152		vá m	-940
	Lumens per Watt	DL Drive Lane /	73	21	62	-		19es
	BUG Rating	Type 4	B1-U0-G2	B1-U0-G2	B2-U0-G3	+	3111	22
	Lumens		3,848	4,670	6,141	7,273	9,423	12,046
	Lumens per Watt	CQ Concentrated	137	137	136	126	123	111
	BUG Rating	Concentrated	B2-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G
	Lumens		3,922	4,760	6,259	7,413	9,604	12,277
	Lumens per Watt	MQ Medium	140	140	139	128	125	114
	BUG Rating	1	82-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G
	Lumens		3,623	4,397	5,782	6,848	8,872	11,342
4000K CCT	Lumens per Watt	WQ Wide	129	129	128	118	115	105
	BUG Rating	1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G
	Lumens	150	3,185	3,865	5,082	6,019	7,799	9,969
	Lumens per Watt	RW - Rectangular	114	114	113	104	101	92
	BUG Rating	Wide	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G
	Lumens	17-9-1	3,235	3.895	5,506		***) ee
	Lumens per Watt	DL Drive Lans / Type 4	98	95	83		121	-
	BUG Rating	турел	B1-U0-G2	B1-U0-G2	B2-U0-G3			ar.
	Lumens		3,645	4,424	5,817	7,204	9,334	11,932
	Lumens per Watt	CQ Concentrated	130	130	130	124	121	110
	BUG Rating	Concentrated	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G2
	Lumens		3,716	4,509	5,929	7,343	9,513	12,161
	Lumens per Watt	MQ Medium	133	133	132	127	124	113
	BUG Rating		B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3
	Lumens		3,433	4,166	5,478	6,783	8,788	11,235
5000K CCT	Lumens per Watt	WQ Wide	123	123	122	117	114	104
	BUG Rating	1 1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3
	Lumens	T. X	3,017	3,662	4,815	5,962	7,725	9,875

NOTE: Nominal data with 70 CRI for 4000K and 5000K, 80 CRI for 3000K. Wattage values not valid for drive lane optic. For configurations that include the drive lane optic, glass, uplight or occupancy sensor options refer to the specific IES files for wattage, BUG rating and lumen output da

F:T.N

Lumen Package

This fixture is offered standard with 0-10V dimming driver(s). External 0-10V dimming wire leads are provided for use with a lighting control panel or other control methods except when PER7, 5LTD, MS/DIM or LWR is specified. Dimming Occupancy Sensor (MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. These occupancy sensors include an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting. The factory preset is OFF, Please refer to the supplemental guide to understand limitations of product use regarding specific applications. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'. For mounting heights up to 20' |-L20| For mounting heights up to 8' (-L02) 18 24 Coverage Side Area (Feet) LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN) The LumaWatt Pro system is a peer-to-peer wireless network of luminaire-integral sensors for any sized project. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication. The end-user can securely create and manage sensor profiles with browser-based management software. The software will automatically broadcast to the sensors via wireless gateways for zone-based and individual luminaire control. The LumaWatt Pro software provides smart building solutions by utilizing the sensor to provide easy-to-use dashboard and analytic capabilities such as improved energy savings, traffic flow analysis, building management software integration and more. For additional details, refer to the LumaWatt Pro product guides. For mounting heights from 8' to 16' (LVVR LVV) For mounting heights from 16' to 40' (LWR-LN)

McGraw-Edison

Date

SPECIFICATION FEATURES Offered standard in 4000K Mounting

specify the HA high ambient

ingress of dust and water.

option. IP66 rated against the

Construction One-piece, low copper die-cast aluminum housing provides a clean and symmetric housing. Formed aluminum top is sloped to prevent bird nesting. Metal electrical tray allows for easy electrical access for field servicing.

that works in combination with

backing plate.

DIMENSIONS

F.T.N

CONTROL OPTIONS

L3A

SURFACE OR PENDANT MOUNT

the Waveguide lens and reflective

18-3/8" [466mm]

DESCRIPTION

L3A

Optics Unique optical distributions are lumen package. accomplished using various combinations of reflective backing Electrical plates and WaveStream optical technology. The optical Waveguide electrical tray for optimal thermal is manufactured using precision injection molded acrylic. The optics contain features that form a repeatable and redundant pattern to direct light in a precisely prescribed distribution. The drive lane distribution is specifically designed for locations with one direction of travel to optimally direct light in the same direction of travel for maximum glare control. For additional glare control and visual comfort with the Wide distribution, specify the SG option which adds a Solite® glass lens

The TopTier™ parking garage, canopy and low-bay luminaire is an

performance and visual comfort. The patented WaveStream™ optical

technology blocks the line of sight from the LED light sources to the

observer, while extracting the maximum amount of light on task. This

approach results in a high level of uniformity and vertical footcandles

luminaire is UL/cUL listed for wet locations, IP66 and 3G vibration rated.

that enhances safety in the application environment. The TopTier

innovative solution that delivers an unparalleled combination of

(+/-275K) CCT, optional 3000K. Standard fixture mounts to a 5000K and 6000K. Minimum 70 CRI. square or octagonal 4" surface or Optional uplight feature provides recessed j-box via heavy-gauge a dedicated light engine (17W) to quick mount bracket. Optional maintain consistent output across mounting methods include fixtures and reduces cave effect. trunnion mount and wall mount. Nominal uplight output is 800 With the addition of a field supplie lumens and ranges from 10%-30% wet location j-box, the luminaire total light output depending on the can be pendant mounted using the factory supplied decorative pendant mount kit or a suitable field supplied pendant. Finish

LED driver(s) are mounted to metal performance, 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming driver(s). specify 5LTD for Fifth Light DALI driver(s). Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. Greater than 90% lumen maintenance expected at 60,000 hours, based off LM-80 Colors brochure for the complete test data and TM-21. Suitable for selection. ambient temperature applications from -40°C (-40°F) to 40°C (104°F). Warranty For 50°C (122°F) applications,

Housing finished in white super durable TGIC polyester powder coat paint with 2.5 mil nominal thickness for superior protection against fade and wear. Optional colors include black, bronze, grey, dark platinum and graphite metallic. Available in Natatorium finish. RAL and custom color matches available. Consult the McGraw-Edison Architectural

Five-year warranty.



TT TOPTIER LED Solid State LED

thlight

ENERGY DATA

0.9 Power Factor 20% Total Harmonic Distortion

20-277V 50/60Hz

347V, 480V 60Hz

ectronic LED Driver

40°C Min. Temperature

0°C Max. Temperature

SHIPPING DATA pproximate Net Weight: 6 lbs. (7.2 kgs.)

50°C Max. Temperature (HA Option)

May 28, 2019 9:20 AM

TT TOPTIER LED

Coverage Side Area (Feet)

CERTIFICATION DATA IUcUL Wet Location Listed 3G Vibration Rated LM79 / LM80 Compliant

Designt Ights Consortium Qualified*

PARKING GARAGE/ LOW-BAY LUMINAIRE

> **PRELIMINARY** NOT FOR CONSTRUCTION

Devenney

GROU

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Phoenix, Arizona 85013

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> NEUROSCIENCE **INSTITUTE**

HONORHEALTH

7242 E OSBORN RD SCOTTSDALE, AZ 85251

AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE

AUTHORITY HAVING JURISDICTION'S PROJECT

FACILITY NUMBER:

AGENCY APPROVALS:

REVISIONS DATE DESCRIPTION

08/19/2019 SCALE: DRAWN: AES SRS REVIEWED: JOB NUMBER:

SITE LIGHTING CUT SHEETS

FAT-N

40°C

LUMEN MAINTENANCE

50°C

40°C

50°C

40°C

50°C

25,000 Hours

> 95%

> 95%

> 96%

> 95%

> 95%

> 95%

> 96%

> 95%

> 94%

> 96%

> 94%

> 95%

> 95%

ADDITIONAL MOUNTING OPTIONS

> 92%

50,000 Hours

> 94%

> 95%

> 94%

> 93%

> 93%

> 90%

> 95%

> 92%

> 91%

May 28, 2019 9:20 AM

Theoretical L70 (Hours)

> 500,000

> 500,000

>400,000

> 500,000

>500,000

> 400,000

> 300,000

> 240,000

> 200,000

>500,000

> 300,000

> 250,000

> 300,000

> 200,000

> 250,000

> 250,000

Per TM-21 Data

TT TOPTIER LED

108

B2-U0-G2

3,205

108

B2-U0-G2

3,858

B1-U0-G2 B2-U0-G3

B3-U0-G2

5,454

Rectangular Wide

May 28, 2019 9:20 AM

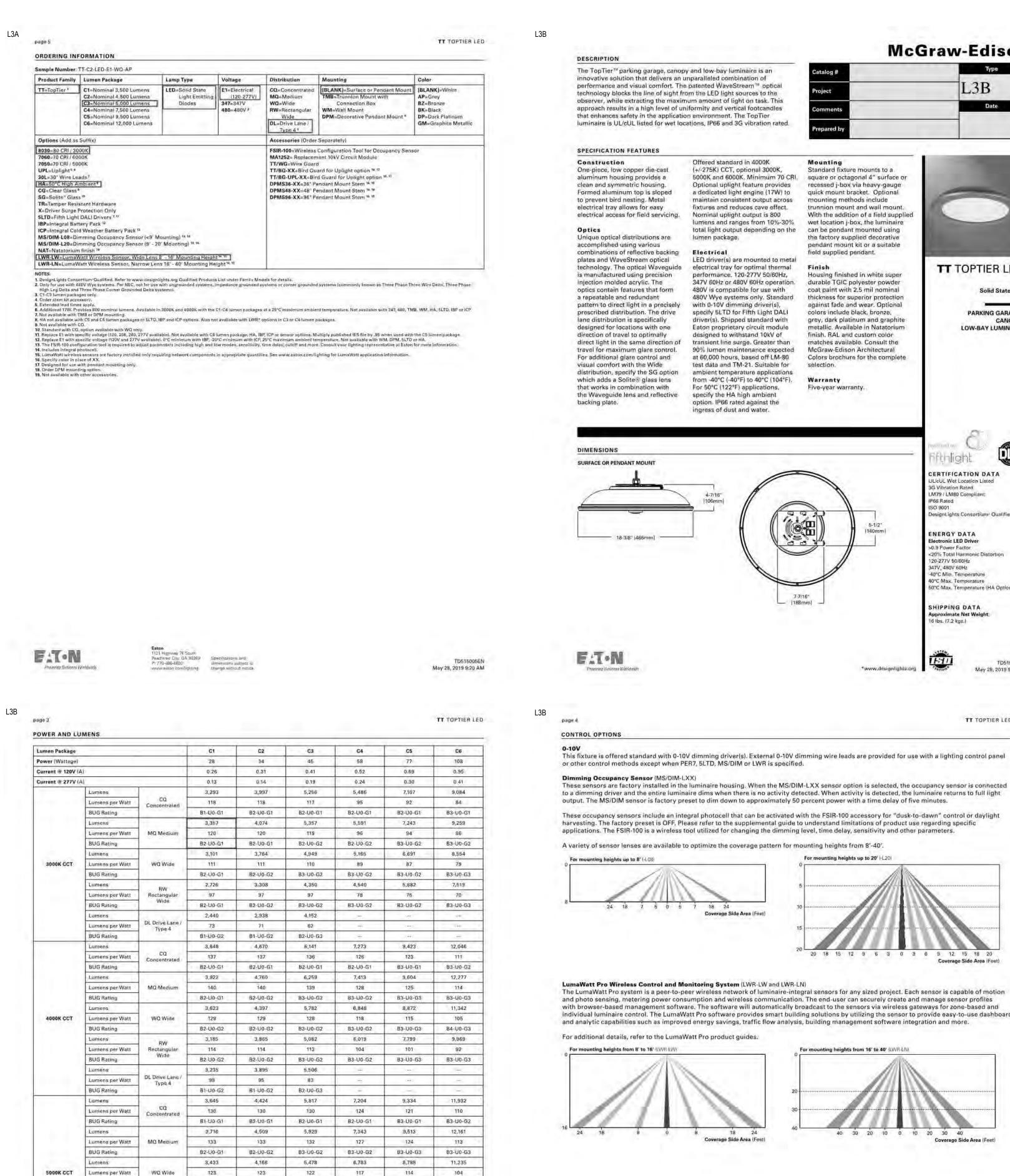
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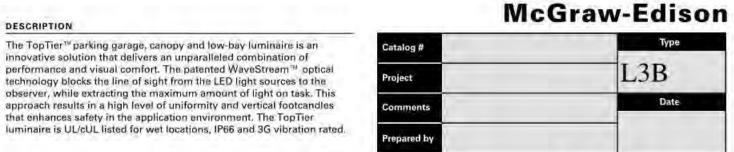
B3-U0-G2 B3-U0-G3 B3-U0-G3

103

F:T.N

May 28, 2019 9:20 AM





Mounting

SPECIFICATION FEATURES Construction

One-piece, low copper die-cast aluminum housing provides a clean and symmetric housing. Formed aluminum top is sloped to prevent bird nesting. Metal electrical tray allows for easy electrical access for field servicing.

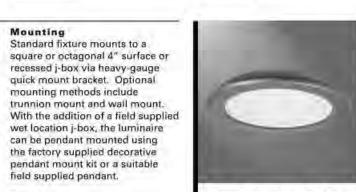
Unique optical distributions are accomplished using various combinations of reflective backing plates and WaveStream optical technology. The optical Waveguide electrical tray for optimal thermal Finish is manufactured using precision injection molded acrylic. The optics contain features that form a repeatable and redundant pattern to direct light in a precisely with 0-10V dimming driver(s), prescribed distribution. The drive specify 5LTD for Fifth Light DALI lane distribution is specifically designed for locations with one direction of travel to optimally

(+/-275K) CCT, optional 3000K. 5000K and 6000K. Minimum 70 CRI. square or octagonal 4" surface or Optional uplight feature provides a dedicated light engine (17W) to quick mount bracket. Optional maintain consistent output across fixtures and reduces cave effect. Nominal uplight output is 800 lumens and ranges from 10%-30% wet location j-box, the luminaire total light output depending on the can be pendant mounted using lumen package. Electrical field supplied pendant.

Offered standard in 4000K

LED driver(s) are mounted to metal performance, 120-277V 50/60Hz. 347V 60Hz or 480V 60Hz operation. durable TGIC polyester powder 480V is compatible for use with 480V Wye systems only. Standard thickness for superior protection driver(s). Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of direct light in the same direction of transient line surge. Greater than matches available. Consult the travel for maximum glare control. 90% lumen maintenance expected at 60,000 hours, based off LM-80 Colors brochure for the complete test data and TM-21. Suitable for distribution, specify the SG option ambient temperature applications from -40°C (-40°F) to 40°C (104°F). Warranty For 50°C (122°F) applications. specify the HA high ambient option. IP66 rated against the

ingress of dust and water.



TT TOPTIER LED Housing finished in white super coat paint with 2.5 mil nominal Solid State LED against fade and wear. Optional colors include black, bronze, PARKING GARAGE/ grey, dark platinum and graphite metallic. Available in Natatorium LOW-BAY LUMINAIRE finish. RAL and custom color McGraw-Edison Architectural

Five-year warranty.

selection.

7-7/16° [188mm]



CANOPY/

3G Vibration Rated LM79 / LM80 Compliant P66 Rated ISO 9001 DesignLights Consortium Qualified* ENERGY DATA Electronic LED Driver

>0.9 Power Factor <20% Total Harmonic Distortion 20-277V 50/60Hz 347V, 480V 60Hz -40°C Min. Temperature 10°C Max. Temperature 50°C Max. Temperature (HA Option)

SHIPPING DATA Approximate Net Weight 16 lbs. (7.2 kgs.)

*www.designlights.org



Coverage Side Area (Feet)

TT TOPTIER LED

May 28, 2019 9:20 AM

Theoretical L70 (Hours)

Per TM-21 Data

> 500,000

> 500,000

>400,000

> 500,000 >500,000

> 400,000

> 300,000

> 240,000

> 200,000

>500,000

> 300,000

> 250,000

> 300,000

> 200,000

> 250,000

> 250,000

L3B ORDERING INFORMATION

25,000 Hours

> 95%

> 95%

> 96%

> 95%

> 95%

> 95%

> 96%

> 95%

> 94%

> 94%

> 95%

> 95%

50,000 Hours

> 94%

> 95%

> 94%

> 93%

> 90%

> 95%

> 92%

> 91%

> 92%

> 92%

C2 Lumen Package

C4 Lumen Package

C5 Lumen Package

C6 Lumen Package

ADDITIONAL MOUNTING OPTIONS

WALL MOUNT

TRUNNION MOUNT

OPTICAL DISTRIBUTIONS

(Concentrated)

LUMEN MAINTENANCE

Temperature

40°C

50°C

25°C

40°C

50°C

40°C

50°C

25°C

40°C

50°C

40°C

25°C

40°C

F:T.N

Product Family	Lumen Package	Lamp Type	Voltage	Distribution	Mounting	Color
TT=TopTier ⁽	C1=Nominal 3,500 Lumens C2=Nominal 4,500 Lumens C3=Nominal 6,000 Lumens C4=Nominal 7,500 Lumens C5=Nominal 9,500 Lumens C6=Nominal 12,000 Lumens	LED=Solid State Light Emitting Diodes	E1=Electrical (120-277V) 347=347V 480=480V ²	CQ=Concentrated MQ=Madium WQ=Wide RW=Rectangular Wide DL=Drive Lane / Type 4 1		[BLANK]=White AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallin
Options (Add as	Su(fix)			Accessories (Order	Separately)	
IBP=Integral Bat ICP=Integral Col MS/DIM-L08=Di MS/DIM-L20=Di NAT=Natatorium LWR-LW=LumaV	ook ads ⁷ mbient* s ** stant Hardware Protection Only DALI Drivers*** tery Pack ** at Weather Battery Pack ** mining Occupancy Sensor (<9' Armining Occupancy Sensor (9' - 20' Mining Occupancy Sensor (Mounting) 13,14 3 - 16 Mounting Height		TT/WG=Wire Guard TT/BG-XX=Bird Gu TT/BG-UPL-XX=Bir DPMS36-XX=36" Pr DPMS48-XX=48" Pr	nent 10kV Circuit Module 1 ard for Uplight option ^{18, 17} d Guard for Uplight option ^{18, 17} andant Mount Stem ^{16, 18} andant Mount Stem ^{18, 18} andant Mount Stem ^{18, 18}	

1. DesignLights Consertium Dualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
3. C1-C2 Jumen packages only.
4. Order stem kit accessory.

5. Extended lead times apply.

5. Extended lead times apply.

6. Additional 17W. Provides 800 nominal lumens. Available in 3000K and 4000K with the C1-C4 lumen packages at a 25°C maximum ambient temperature. Not available with 347, 480, TMB, WM. HA. 5LTD. IBP or ICP.

7. Not available with TMB or DPM mounting. 8. HA not available with C5 and C6 lumen packages or 5LTD, IBP and ICP options. Also not available with LWR* options in C3 or C4 lumen packages. 3. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, output and more. Consult your lighting representative at Eaton for more information.

Includes integral photocall.
 LumaWatt wireless sensors are factory installed only requiring network components in appropriate quantities. See www.eston.com/lighting for LumaWatt application information.
 Specify color in place of XX.
 Designed for use with pendant mounting only.
 Order DPM mounting aption.
 Not available with other accessories.

TT TOPTIER LED

DECORATIVE PENDANT MOUNT

(Drive Lane)

60,000 Hours

TM-21 Rating

> 94%

> 93%

> 95%

>93%

> 92%

> 89%

> 95%

> 92%

> 90%

> 90%

> 91%

100,000 Hours

> 93%

> 93%

> 93%

> 93%

> 91%

> 90%

> 89%

> 85%

> 83%

> 93%

> 88%

> 85%

> 83%

> 86%

> 86%

Devenney Group Ltd., Architects 201 W. Indian School Road Phoenix, Arizona 85013 T: 602.943.8950 F: 602.943.7645 www.devenneygroup.com

Devenney

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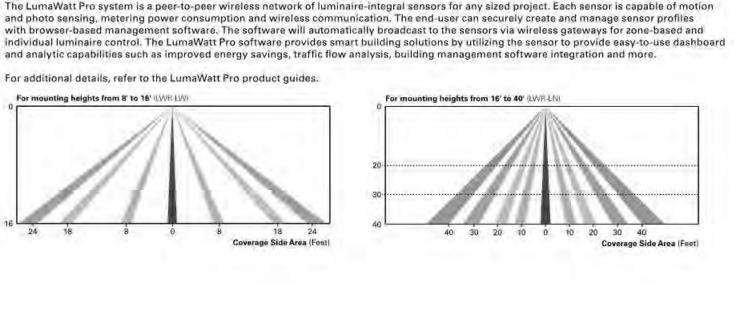
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- 1	AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE
	AUTHORITY HAVING JURISDICTION'S PROJECT NO:
	FACILITY NUMBER:
	AGENCY APPROVALS:

	REVISIONS	
REV#	DESCRIPTION	DATE

DATE:	08/19/201
SCALE:	
DRAWN:	AES
REVIEWED:	SR
JOB NUMBER:	

SITE LIGHTING CUT SHEETS



Coverage Side Area (Feet)

May 28, 2019 9:20 AM

B3-U0-G2

5,962

103

B3-U0-G2

7,725

100

B3-U0-G3

B3-U0-G3

B2-U0-G2

108

B2-U0-G2

3,205

96

B1-U0-G2

Lumens per Watt

Jumens per Watt BUG Rating

BUG Rating

Lumens

IES files for wattage, BUG rating and lumen output data,

F:T·N

Rectangular

Wide

DL Drive Lane /

B2-U0-G2

3,662

B2-U0-G2

3.858

B1-U0-G2

NOTE: Nominal data with 70 CRI for 4000K and 5000K, 80 CRI for 3000K. Wattage values not valid for drive lane optic, For configurations that include the drive lane optic, glass, uplight or occupancy sensor options refer to the specific

4,815

B3-U0-G2

5,454

B2-U0-G3

May 28, 2019 9:20 AM

F:T.N

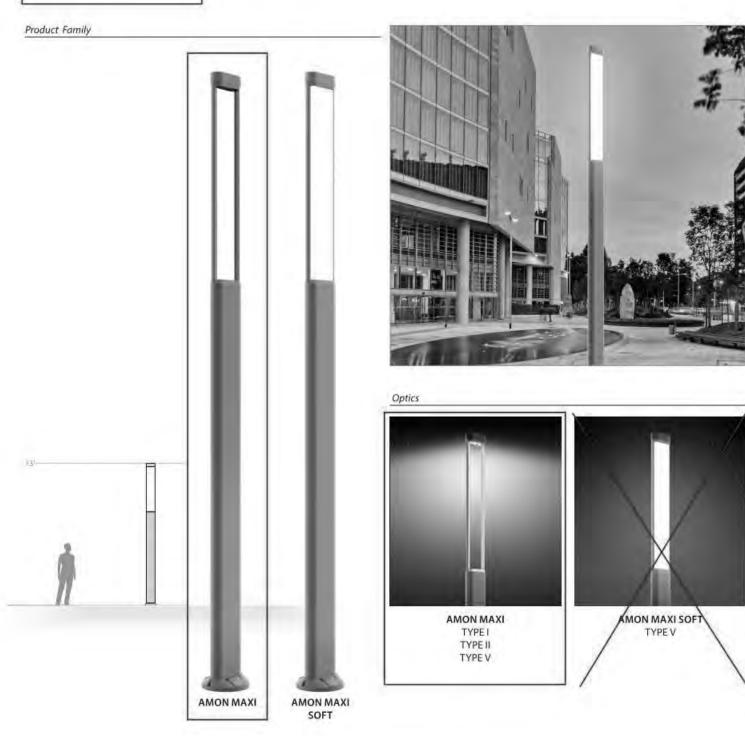
May 28, 2019 9:20 AM



PROJECT HHSOMC NSI MOB

TYPE SL1

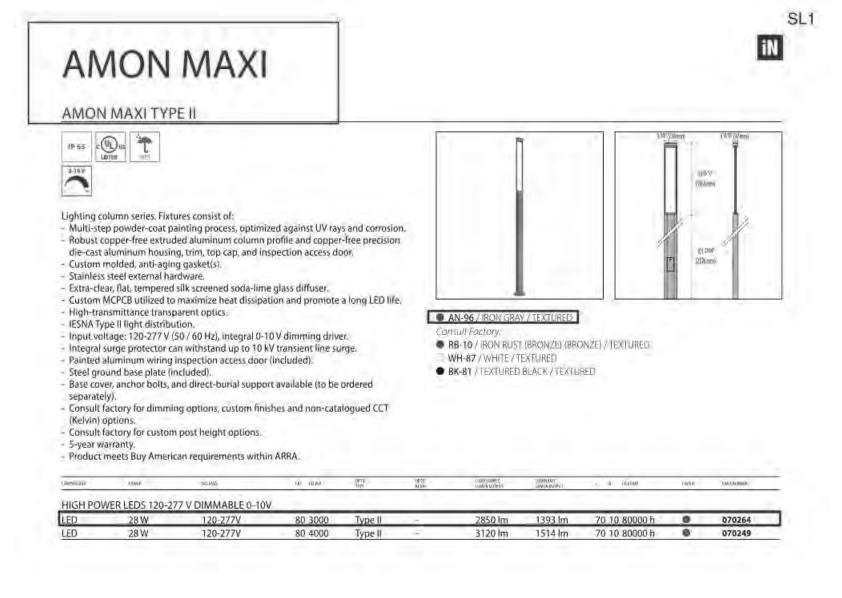
AMON series AMON MAXI AMON MAXI SOFT



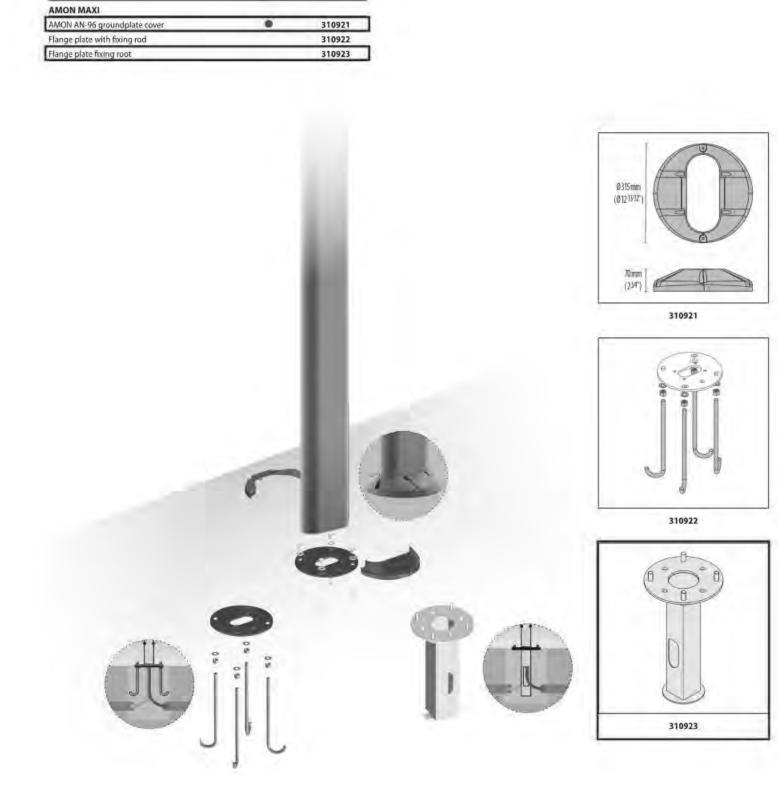
 $PERFORMANCE\ in\ LIGHTING-2621\ Keys\ Pointe-Conyers, Georgia\ 30013-USA-voice\ 770.822.2115-info. usa@pil.lighting$

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AMON MAXI

OPTIONAL ACCESSORIES

PERFORMANCE IN LIGHTING - 2621 Keys Pointe - Conyers, Georgia 30013 - USA - voice 770.822.2115 - info.usa@pil.lighting www.performanceinlighting.com



SL1

iN

Consultant:

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HONORHEALTH

7242 E OSBORN RD SCOTTSDALE, AZ 85251

AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE
AUTHORITY HAVING JURISDICTION'S PROJECT NO:
FACILITY NUMBER:
AGENCY APPROVALS:

REVISIONS				
REV#	DESCRIPTION	DATE		

DATE: 08/19/2019
SCALE:
DRAWN: AES
REVIEWED: SRS
JOB NUMBER:

SITE LIGHTING CUT SHEETS

DRB-E204

25.5"

Steamer Product Family

USE-90031

25,5" ---

A Comment

Steamer Large Round Streetlight

SL2

lines and excellent heat dissipation. 8 step degrease and phosphate process that light distribution patterns using highly efficient LED includes deoxidizing and etching as well as a packages and optics. The result is excellent spacing to zinc and nickel phosphate process before

of Type II & Type IV distribution optics inside the same

Available with a selection of integral electronic and dimmable electronic drivers as well as a provision to install occcupancy sensors, as well as wireless lighting be achieved. These settings are done at the factory during assembly. (See options below)



optimum-quality area lighting projectors.

ess than 0.1% copper content - Marine Grade 6060 extruded & LM6 Aluminum High A slim wedge shaped, high pressure die-cast pole ressure die casting provides excellent. mounted area light with a variety of different light mechanical strength, clean detailed product distributions to suit all lighting designer's requirements.

This luminaire has been designed to provide excellent mounting height ratios, with a uniform lighting layout that meets code requirements using less energy.

The Steamer can be utilized to suit specific light patterns using the asymmetrical type II, III, IV and ME optics, as well as variations of these for precise light distribution requirements. An example of this is using a combination Type V distributions in medium, wide, very wide & extra wide are also available, please contact factory.

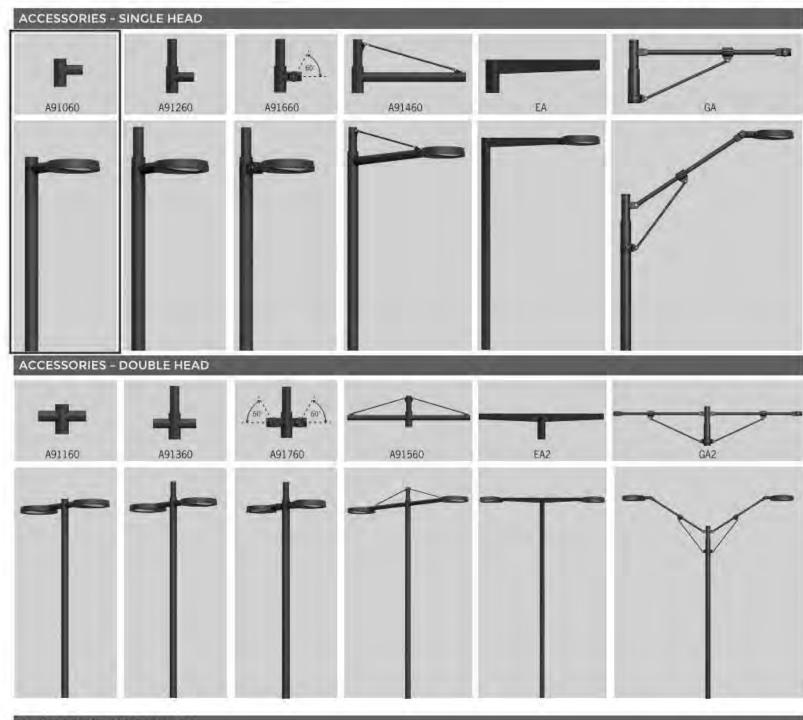
This luminaire complies to dark sky requirements when mounted in the horizontal position. Designed for lighting private roadways, car parks, exhibition areas, service stations and truck stops. Internal house side shields are available as an option.

controls to integrate with building management systems. (WATT-ADJUST) This luminaire is provided with a programmable driver so that specific wattage requirements can



USE-90031 Steamer Large Round Streetlight

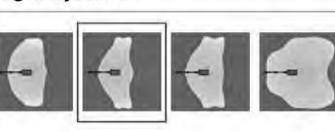
7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100 www.ligmanlightingusa.com LIGHTING USA



Steamer Large Round Streetlight

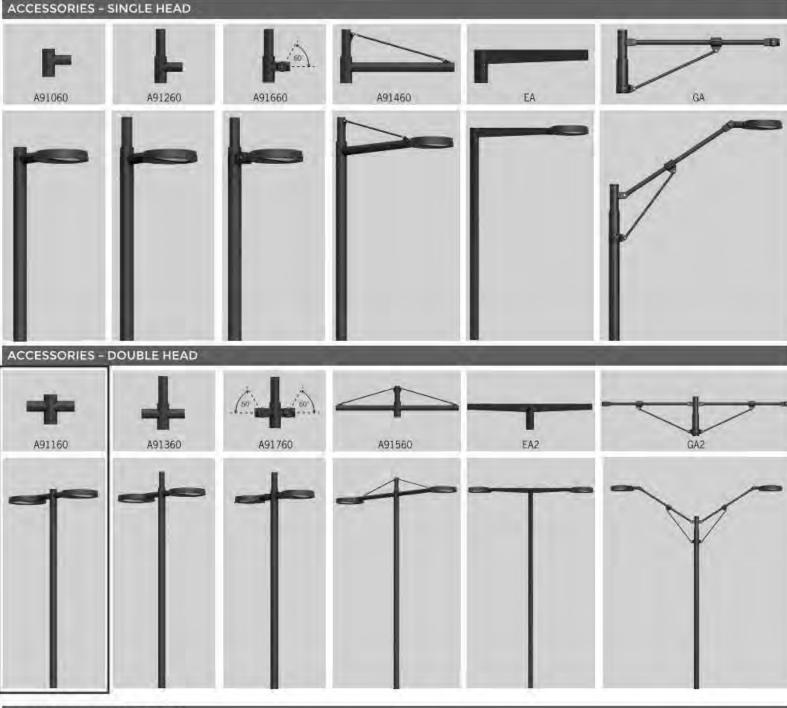


Light Symbol

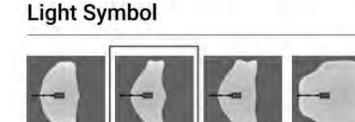


USE-90031

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USE-90031

PROJECT

QUANTITY

Steamer Large Round Streetlight

ME - Type ME Distribution W40 - 4000K

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HH OSBORN NSI MOB DATE 2019-04 SINGLE FIXTURE POLE

ORDERING EXAMPLE | USE-90031 - 157w - T2 - W30 - 02 - 120/277v

120/277V 157W W30 LED COLOR **FINISH COLOR** VOLTAGE 01 - BLACK RAL 9011 157w LED - 15997lm T2 - Type II Distribution W27 - 2700K 120/277V 02 - DARK GREY RAL 7043 120w LED T3 - Type III Distribution W30 - 3000K Other - Specify 80w LED T4 - Type IV Distribution W35 - 3500K 03 - WHITE RAL 9003

A91060

29W LED

WATT-ADJUST



04 - METALLIC SILVER RAL 9006

05 - MATTE SILVER RAL 9006

06 - LIGMAN BRONZE

10 - TRAFFIC GREY RAL 7043

ACCESSORY WALL



ADDITIONAL OPTIONS - CONSULT FACTORY FOR PRICING

DIM - 0-10v Dimming OS - Occupancy Sensor HSS - Internal House Side Shield F - Frosted Lens

AMB - Turtle Friendly Amber LED

USE-90031

Steamer Large Round Streetlight

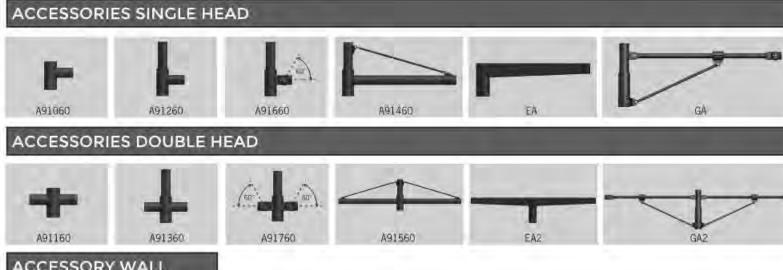
7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100 www.ligmanlightingusa.com LIGHTING USA

DATE 2019-04 HH OSBORN NSI MOB PROJECT QUANTITY TYPE SL2 NOTE DOUBLE FIXTURE POLE

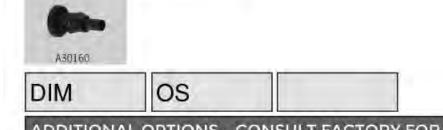
ORDERING EXAMPLE | USE-90031 - 157w - T2 - W30 - 02 - 120/277v



A91160



ACCESSORY WALL



ADDITIONAL OPTIONS - CONSULT FACTORY FOR PRICING

DIM - 0-10v Dimming OS - Occupancy Sensor HSS - Internal House Side Shield F - Frosted Lens AMB - Turtle Friendly Amber LED

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Devenney

GROU

Devenney Group Ltd., Architects

201 W. Indian School Road

Phoenix, Arizona 85013

www.devenneygroup.com

T: 602.943.8950

F: 602.943.7645

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AUTHORITY HAVING JURISDICTION: CITY OF SCOTTSDALE AUTHORITY HAVING JURISDICTION'S PROJECT **FACILITY NUMBER: AGENCY APPROVALS:**

REVISIONS DATE DESCRIPTION

08/19/2019 SCALE: DRAWN: AES SRS REVIEWED: JOB NUMBER:

SITE LIGHTING CUT SHEETS

DRB-E205

glass tinge. Optics & LED LED CRI > 80

Steamer Product Family

Memory Retentive - Silicon Gasket Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression. Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient 25,5" temperatures. The superior thermal heat

sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring Jess than 10% lumen depreciation at 50,000 **BUG Rating**

Aluminum Casting

Surge Suppression Standard 10kv surge suppressor provided with all fixtures.

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments Rated for use in natatoriums.

Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis rom heat, corrosive atmospheres and

Crystal Clear Low Iron Glass Lens ovided with tempered, impact resistant rystal clear low iron glass ensuring no green glass tinge.

Precise optic design provides exceptional LED CRI > 80

ight control and precise distribution of light Lumen - Maintenance Life

L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their

Aluminum Casting

retentive silicon gaskets. Maintains the

LM6 Aluminum is used for its excellent

temperatures. The superior thermal heat

sink design by Ligman used in conjunction

maximum luminous flux output, as well as

providing long LED service life and ensuring

with the driver, controls thermals below

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critical temperature range to ensure

BUG Rating

Surge Suppression

improve paint adherence.

and baked at 200 Deg C.

Anti Seize Screw Holes

can withstand harsh environments. Rated for use in natatoriums.

rystal Clear Low Iron Glass Lens

Lumen - Maintenance Life

with all fixtures.

Stainless steel.

7144 NE Progress Ct T:503.645.0500 Hillsboro.Oregon 97124 F:503.645.8100 www.ligmanlightingusa.com LIGHTING USA Column-mounted contemporary area lighting family. Modern and powerful high-end column range using

ess than 0.1% copper content - Marine Grade 6060 extruded & LM6 Aluminum High A slim wedge shaped, high pressure die-cast pole Pressure die casting provides excellent mounted area light with a variety of different light mechanical strength, clean detailed product distributions to suit all lighting designer's requirements. lines and excellent heat dissipation. This luminaire has been designed to provide excellent

Pre paint

8 step degrease and phosphate process that

This luminaire has been designed to provide excellen light distribution patterns using highly efficient LED includes deoxidizing and etching as well as a packages and optics. The result is excellent spacing to mounting height ratios, with a uniform lighting layout zinc and nickel phosphate process before that meets code requirements using less energy. Memory Retentive -Silicon Gasket

optimum-quality area lighting projectors.

The Steamer can be utilized to suit specific light patterns Provided with special injection molded "fit for using the asymmetrical type II, III, IV and ME optics, as purpose" long life high temperature memory well as variations of these for precise light distribution requirements. An example of this is using a combination gaskets exact profile and seal over years of of Type II & Type IV distribution optics inside the same Type V distributions in medium, wide, very wide & extra

wide are also available, please contact factory. mechanical strength and thermal dissipation This luminaire complies to dark sky requirements when mounted in the horizontal position. Designed for lighting private roadways, car parks, exhibition areas, service stations and truck stops. Internal

house side shields are available as an option. less than 10% lumen depreciation at 50,000 Available with a selection of integral electronic and dimmable electronic drivers as well as a provision to install occcupancy sensors, as well as wireless lighting controls to integrate with building management systems (WATT-ADJUST) This luminaire is provided with a programmable driver so that specific wattage requirements can

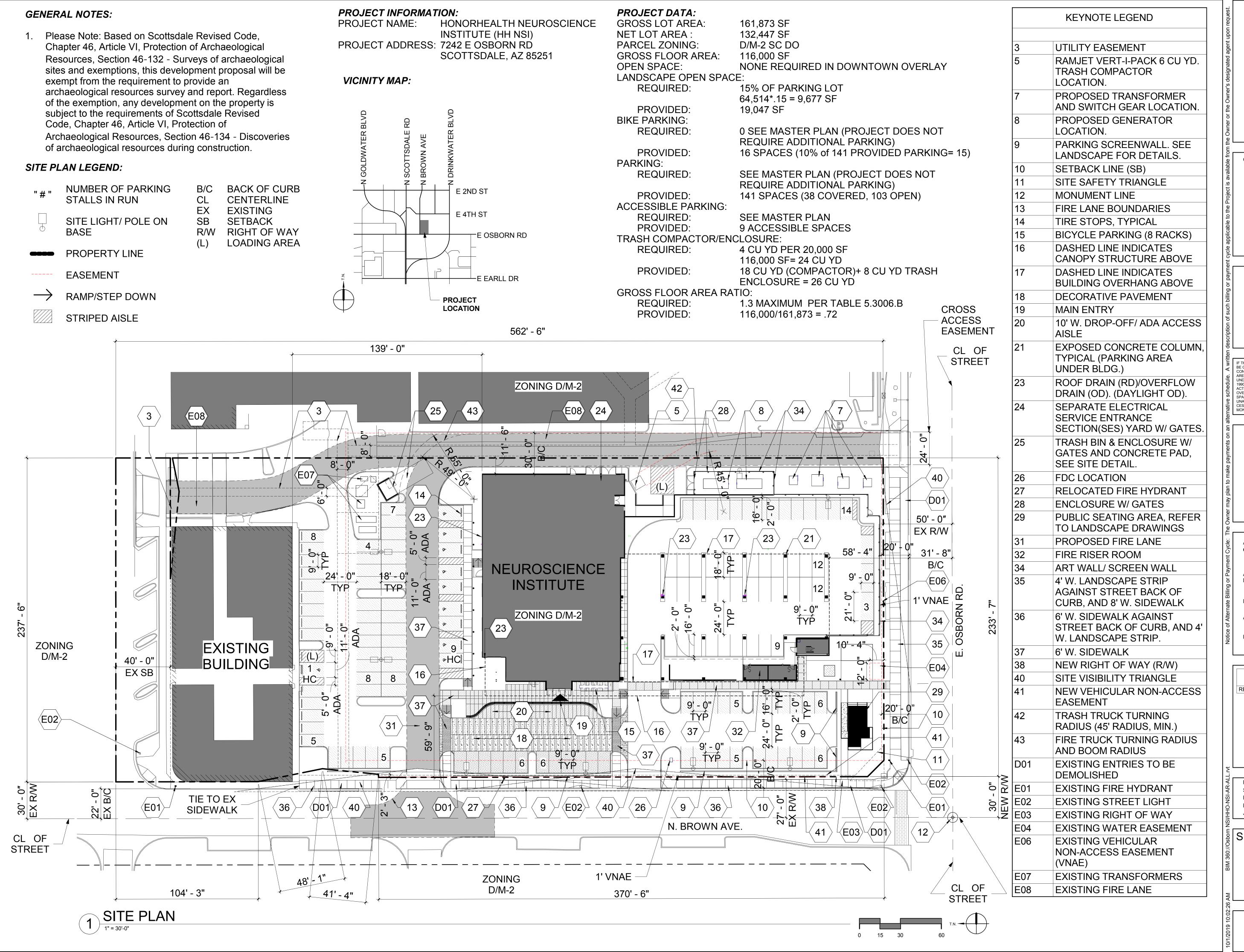
be achieved. These settings are done at the factory Standard 10kv surge suppressor provided during assembly. (See options below)











Devenney
GROUP

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CITY OF SCOTTSDALE

AUTHORITY HAVING JURISDICTION'S PROJECT NO:

FACILITY NUMBER:

AGENCY APPROVALS:

PACKAGE:

REVISIONS
REV # DESCRIPTION DATE

DATE: 10/01/2019
SCALE: As indicated
DRAWN: Author
REVIEWED: Checker
JOB NUMBER:

SITE PLAN

DRB_23A