Full Size or Largest Size
(site plan, landscape, elevations)

Plans

STAMPER HANGAR

SITE IMPROVEMENT PLANS
SCOTTSDALE ARIZONA

CITY OF SCOTTSDALE NOTES

1. ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF SCOTTSDALE SUPPLEMENTAL STANDARD SPECIFICATIONS AND SUPPLEMENTAL STANDARD DETAILS. IF THERE IS A CONFLICT, THE CITY'S SUPPLEMENTAL STANDARD DETAILS WILL GOVERN.
2. THE CITY ONLY APPROVES THE SCOPE, NOT THE DETAIL, OF ENGINEERING DESIGNS; THEREFORE, IF CONSTRUCTION QUANTITIES ARE SHOWN ON THESE PLANS, THEY ARE NOT VERIFIED BY THE CITY.
3. THE APPROVAL OF PLANS IS VALID FOR SIX (6) MONTHS. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN SIX MONTHS, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
4. A PUBLIC WORKS INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF SCOTTSDALE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY INSPECTION SERVICES 24 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING 480-312-5750.
5. WHENEVER EXCAVATION IS NECESSARY, CALL THE BLUE STAKE CENTER, 602-263-1100, TWO WORKING DAYS BEFORE EXCAVATION BEGINS. THE CENTER WILL SEE THAT THE LOCATION OF THE UNDERGROUND UTILITY LINES IS IDENTIFIED FOR THE PROJECT. CALL "COLLECT"IF NECESSARY.
6. ENCROACHMENT PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. AN ENCROACHMENT PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER THE REGISTRANT HAS PAID A BASE FEE PLUS A FEE FOR INSPECTION SERVICES. COPIES OF ALL PERMITS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.
7. ALL EXCAVATION AND GRADING THAT IS NOT IN THE PUBLIC RIGHTS-OF-WAY OR NOT IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO CHAPTER 70, EXCAVATION AND GRADING, OF THE LATEST EDITION OF THE UNIFORM BUILDING CODE PREPARED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS. A PERMIT FOR THIS GRADING MUST BE SECURED FROM THE CITY FOR A FEE ESTABLISHED BY THE UNIFORM BUILDING CODE.
8. ALL UNDERGROUND STORAGE FACILITIES AND DISPOSAL FACILITIES SHOWN ON THIS PROJECT SHALL BE MAINTAINED BY THE OWNERS. THESE UNDERGROUND STORAGE FACILITIES SHALL BE MODIFIED, UPGRADED, OR REPLACED WITH SIMILAR OR OTHER APPROPRIATE DEVICES/MEASURES BY THE OWNERS WHEN THEY CEASE TO DRAIN THE WATER WITHIN A 36 HOUR PERIOD. REGULAR MAINTENANCE OF THE SILTING CHAMBER IS REQUIRED TO ACHIEVE THE BEST OPERATION OF THE DRYWELL/UNDERGROUND PERCOLATION CHAMBER(S).
9. DURING SITE DEVELOPMENT, ALL DRYWELLS/UNDERGROUND PERCOLATION CHAMBERS SHALL BE SECURELY COVERED WITH FILTER CLOTH OR OTHER MATERIAL TO PREVENT THE INTRODUCTION OF EXCESSIVE SEDIMENT INTO THE SETTLING CHAMBER.

NO CONFLICT SIGNATURE BLOCK

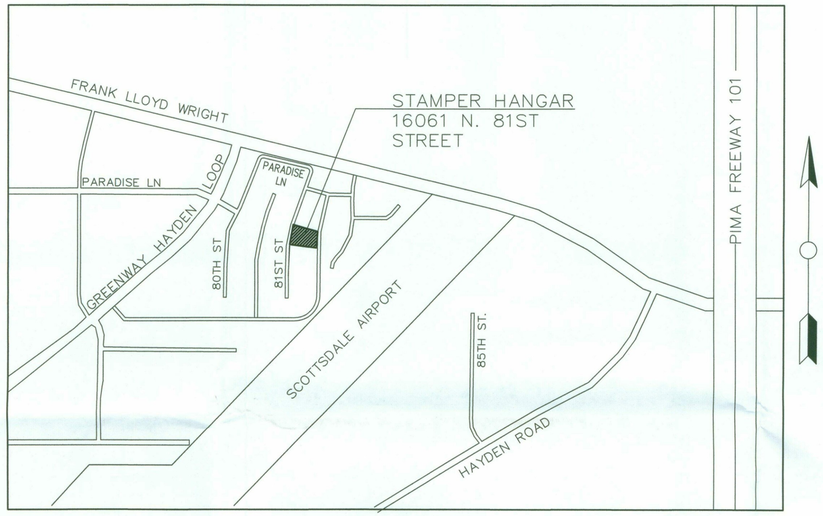
UTILITY	UTILITY COMPANY	NAME OF COMPANY REPRESENTATIVE	TELEPHONE NUMBER	DATE SIGNED
ELECTRIC				
TELEPHONE				
NATURAL GAS				
CABLE TV				
OTHER				
OTHER				

ENGINEER'S CERTIFICATION
I PAUL I ROGERS JR, AS THE ENGINEER OF RECORD FOR THIS DEVELOPMENT, HEREBY CERTIFY THAT ALL UTILITY COMPANIES LISTED ABOVE HAVE BEEN PROVIDED FINAL IMPROVEMENT PLANS FOR REVIEW, AND THAT ALL CONFLICTS IDENTIFIED BY THE UTILITIES HAVE BEEN RESOLVED. IN addition, "NO CONFLICT"FORMS HAVE BEEN OBTAINED FROM EACH UTILITY COMPANY AND ARE INCLUDED IN THIS SUBMITTAL.

SIGNATURE DATE

LEGEND

----------	BOUNDARY LINE	⌓	REMOTE FIRE DEPARTMENT CONNECTION
——— ·———	CENTER LINE OR MONUMENT LINE	ET	ELECTRIC TRANSFORMER
▭	CONCRETE SURFACE		FIRE HYDRANT
═══	6 INCH VERTICAL CURB & GUTTER		LIGHT POLE
———	6 INCH CONCRETE CURB	S	SEWER MANHOLE
≋≋≋	WALL	△	TELECOMMUNICATIONS RISER
—X—	FENCE	TB	CABLE TELEVISION BOX
—E—	UNDERGROUND ELECTRIC LINE	⊗	WATER VALVE
—G—	UNDERGROUND GAS LINE	FL	FLOW LINE
—S—	UNDERGROUND SEWER LINE	TC	TOP OF CURB
—T—	UNDERGROUND TELECOMMUNICATIONS LINE	NG	NATURAL GROUND
—W—	UNDERGROUND WATER LINE	P	PAVEMENT
⊙	FOUND 1/2" CAPPED REBAR STAMPED 11750	C	CONCRETE
⟡	FOUND PK NAIL NO IDENTIFICATION	RIM	TOP OF RIM
✕	FOUND 1/2" REBAR NO IDENTIFICATION	INV	INVERT ELEVATION
▲	FOUND RAILROAD SPIKE NO IDENTIFICATION	A.P.N.	ASSESSORS PARCEL NUMBER
◎	FOUND CITY OF SCOTTSDALE BRASS CAP FLUSH	M.C.R.	MARICOPA COUNTY RECORDS
⊙	CALCULATED POSITION NO MONUMENT FOUND OR SET	R/W	RIGHT OF WAY
		BK.	BOOK
		PG.	PAGE
		(TYP.)	TYPICAL
		(R)	RECORD PER BK. 327, PG. 12, M.C.R.
		(M)	MEASURED



VICINITY MAP

OFFSITE QUANTITIES

WATER

12'X8" TS,VB&C	1	EA
8" DIP WATER PIPE	2	LF
1" WATER SERVICE	1	EA

SEWER

6" SEWER SERVICE	1	EA
REMOVE & REPLACE AC PAVEMENT	5	SY
REMOVE & REPLACE CURB & GUTTER	5	LF

PAVING

REMOVE ASPHALT PAVEMENT	12	SY
REMOVE CONCRETE CURB	53	LF
REMOVE CONCRETE SIDEWALK	1031	SF
INSTALL CONCRETE DRIVEWAY ENTRANCE	1	EA
INSTALL 6' CONCRETE SIDEWALK	950	SF

RETENTION COMPUTATIONS

RETENTION VOLUME REQUIRED
$Vr=(P/12)AC$

P=2.3"
A=52,527 SF
C=0.86

$Vr=(2.3/12)(52527)(0.86)=8,658$ CF

RETENTION PROVIDED IN UNDERGROUND STORAGE TANKS

DIAMETER = 10'
LENGTH = 112'

VOLUME= $\pi R^2 L$
$(\pi)(5^2)(112)=8,796$ CF

ENGINEER'S CERTIFICATION:

The lowest floor elevation(s) and/or floodproofing elevation(s) on this plan are sufficiently high to provide protection from flooding caused by a one-hundred year storm, and are in accordance with City of Scottsdale Revised Code, Chapter 37 – Floodways and Floodplains Ordinance.

FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

COMMUNITY NUMBER	PANEL NO PANEL DATE	SUFFIX	DATE OF FIRM (INDEX DATE)	FIRM ZONE	BASE FLOOD ELEVATION IN AO ZONE,USE DEPTH
045012	1320 10/16/13	L	10/16/13	X(SHADED)	N/A

OWNER
16061 NORTH 81ST STREET
SCOTTSDALE, ARIZONA 85260
SEND ALL CORRESPONDENCE THROUGH THE ARCHITECT.

ARCHITECT
LARSON ASSOCIATES ARCHITECTS, INC.
DPofRC: JIM LARSON
PROJECT ARCH.: BRANDON MILLER
3807 N. 24TH ST., SUITE #100
PHOENIX, ARIZONA 85016
(602) 955-9929
FAX (602) 954-4790
bmiller@larson-architects.com

ENGINEER
THE TRAPEZIUM CONSULTING GROUP LLC
PAUL I ROGERS JR
7950 E REDFIELD ROAD, SUITE 160
SCOTTSDALE, AZ 85260
(480) 483-1500
PAUL@TRAPEZIUMGROUP.COM

LEGAL DESCRIPTION
LOT 34, OF NORTH SCOTTSDALE AIRPARK UNIT 1, ACCORDING TO BOOK 327 OF MAPS, PAGE 12, AND CERTIFICATE OF CORRECTION RECORDED IN DOCUMENT NO. 94-268055, RECORDS OF MARICOPA COUNTY, ARIZONA.
NET AREA: 52527 SF, 1.206 AC.

BENCHMARK
THE BENCHMARK USED FOR THIS SURVEY IS THE CITY OF SCOTTSDALE BRASS CAP IN HANDHOLE AT THE INTERSECTION OF 76TH STREET & PARADISE LANE (DOWN 0.24') HAVING AN ELEVATION OF 1501.71', NAVD 88.

I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON THE ELEVATION DATUM FOR THE CITY OF SCOTTSDALE BENCHMARK PROVIDED ABOVE.

ASSESSOR'S PARCEL NUMBER
215-48-04

ZONING
I-1

SHEET INDEX

COVER SHEET	1
SITE IMPROVEMENTS	2

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

CIVIL APPROVAL

REVIEW AND RECOMMENDED APPROVAL BY:

Paving		Traffic	
G&D		Planning	
W&S		Fire	
Ret. Walls			

APPROVED BY:

THE TRAPEZIUM CONSULTING GROUP, LLC
EXPERIENCE INTEGRITY PERFORMANCE
ENVIRONMENTAL
PLANNING
CIVIL DESIGN
7950 E. Redfield Road, Suite 160 | Scottsdale, AZ 85260 | Ph: (480) 483-1500 | www.Trapeziumgroup.com

DRAWN BY | REVISIONS | DATE

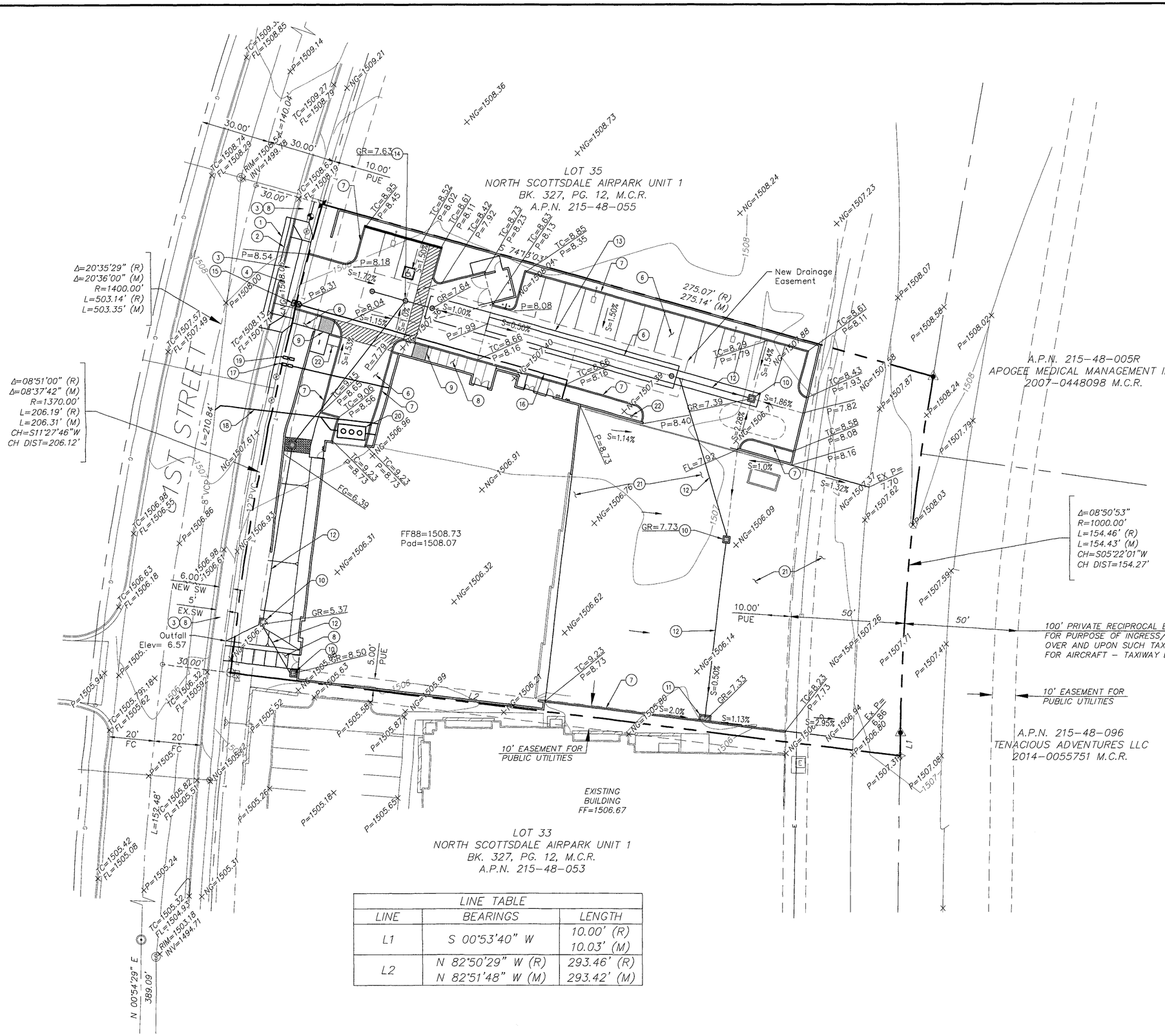
Stamper Hangar
16061 N 81st Street, Scottsdale, AZ
Preliminary Grading & Drainage Plan

Registered Professional Engineer (Civil)
CERTIFICATE NO. 15506
PAUL I. ROGERS, JR.
2-27-18
Date Signed
ARIZONA, U.S.A.
EXP 03-31-19

PROJ. MGR.: PIR
PROJ. ASSOC.:
PROJ. #: LAASCA
SCALE:
DATE:

Sheet No: 1 OF 2

File: P:\LAASCA\Civil\Drawings\Final Drawings\Preliminary G&D LAASCA.dwg



LINE TABLE		
LINE	BEARINGS	LENGTH
L1	S 00°53'40" W	10.00' (R) 10.03' (M)
L2	N 82°50'29" W (R) N 82°51'48" W (M)	293.46' (R) 293.42' (M)

CONSTRUCTION NOTES

1. SAWCUT, REMOVE AND REPLACE ASPHALT PAVEMENT.
2. SAWCUT AND REMOVE CONCRETE CURB AND GUTTER
3. SAWCUT AND REMOVE CONCRETE SIDEWALK
4. INSTALL CONCRETE DRIVEWAY ENTRANCE PER COS STD DET 2250
5. INSTALL 6' VALLEY GUTTER PER MAG STD DET 240
6. INSTALL ASPHALT PAVEMENT
7. INSTALL 6" SINGLE CURB PER MAG STD DET 222 TYPE A.
8. INSTALL CONCRETE SIDEWALK PER MAG STD DET 230.
9. INSTALL SIDEWALK RAMP PER ADA REQUIREMENTS. 12:1 MAX SLOPE.
10. INSTALL STORM DRAIN CATCH BASIN PER MAG STD DET 537, SINGLE GRATE
11. INSTALL STORM DRAIN CATCH BASIN PER MAG STD DET 537 DOUBLE GRATE
12. INSTALL 12 HDPE STORM DRAIN PIPE WITH WATER TIGHT JOINTS
13. INSTALL CORRUGATED STEEL STORM WATER RETENTION TANKS, 10' DIAMETER, 16 GA, 1"X3"CORRUGATIONS, WITH SMOOTH FLOOR. LENGTH = 112'
14. INSTALL DOUBLE CHAMBER DRYWELL. PER TORRENT RESOURCES MAXWELL PLUS.
15. INSTALL 12'X8' TS,VB&C PER MAG STD DET 340, & 391-1, TYPE A.
16. INSTALL 8" DIP WATER PIPE
17. INSTALL 1" WATER SERVICE WITH 1" RP BACKFLOW PREVENTER.
18. INSTALL 6" SEWER SERVICE
19. INSTALL 1" WATER SERVICE WITH 1" RP BACKFLOW PREVENTER FOR LANDSCAPE IRRIGATION.
20. INSTALL GREASE/OIL SEPARATOR.
21. INSTALL CONCRETE PAVEMENT
22. INSTALL SIGN: "NOTICE-UNDERGROUND STORM WATER STORAGE TANK"

0 20' 40'

THE TRAPEZIUM CONSULTING GROUP, LLC
EXPERIENCE INTEGRITY PERFORMANCE
ENVIRONMENTAL
PLANNING
CIVIL DESIGN
7950 E. Redfield Road, Suite 100 | Scottsdale, AZ 85260 | Ph. (480) 483-1500 | www.Trapeziumgroup.com

DATE	REVISIONS	COMMENTS

Stamper Hangar
16061 N 81st Street, Scottsdale, AZ
Preliminary Grading & Drainage Plan

Paul Rogers Jr
Registered Professional Engineer
CERTIFICATE NO. 55506
PAUL I. ROGERS, JR.
3-27-18
ARIZONA, U.S.A.
EXP 03-31-19

PROJ. MGR.:	PIR
PROJ. ASSOC.:	
PROJ. #:	LAASCA
SCALE:	
DATE:	

Sheet No:
2 OF 2

Call at least two full working days before you begin excavation.
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File: P:\LAASCA\Civil\Drawings\Final Drawings\Preliminary G&D LAASCA.dwg

ALTA / NSPS LAND TITLE SURVEY

OF A PORTION OF THE SOUTHWEST QUARTER OF SECTION 1, TOWNSHIP 3 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA

NOTES

1) The basis of bearing is the monument line of 81st Street, using a bearing of South 00 degrees 54 minutes 29 seconds West per the Plat of NORTH SCOTTSDALE AIRPARK UNIT 1, Book 327 of Maps, Page 12, records of Maricopa County, Arizona.

2) The Benchmark used for this survey is the City of Scottsdale brass cap in handhole at the intersection of 76th Street & Paradise Lane (down 0.24') having an elevation of 1499.940', NGVD 29.

3) All title information and the description shown is based on a Commitment for Title Insurance issued by NFC National Title Insurance Company, Order Number 17-91659, dated June 20, 2017. The property depicted on this survey is the same property described in said Title Commitment.

4) There are no striped parking spaces on the subject property.

5) There are no buildings on the subject property.

6) According to FEMA Flood Insurance Rate Map, Map Number 04013C1320L, dated October 16, 2013, the subject property is located in Zone X (shaded). Zone X (shaded) is defined as "Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood."

7) The surveyor was not provided with zoning information by the owner pursuant to Table A item 6(a) and 6(b).

8) The underground utilities shown are based on information obtained from plans and markings, combined with observed evidence. However, lacking excavation, the exact location of underground features cannot be accurately, completely and reliably depicted. If this site is to be improved, the utilities and their locations shown on this survey should be verified. Please call an underground utility locator or "ARIZONA 811" at (602)263-1100 for the precise location and extent of all utilities in the area prior to any design and/or excavation.

9) There was no observable evidence of cemeteries, gravesites, or burial grounds on the subject property as disclosed by record documents provided to the surveyor, or observed in the process of conducting the survey.

10) The subject property has direct physical access to 81st Street, being an improved and open public right(s)-of-way.

11) The descriptions provided mathematically close and contain no gaps, gores or overlaps between the parcels described.

12) Use of the information contained in this instrument for other than the specific purpose for which it was intended is forbidden unless expressly permitted in writing in advance by Superior Surveying Services, Inc. Superior Surveying Services, Inc. shall have no liability for any such unauthorized use of this information without their written consent.

SIGNIFICANT OBSERVATIONS

AT THE TIME OF THIS SURVEY THERE WAS NO VISIBLE EVIDENCE OF POTENTIAL ENCROACHMENTS OBSERVED ON SUBJECT PROPERTY

REFERENCES

GENERAL LAND OFFICE RECORDS ON FILE WITH THE U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

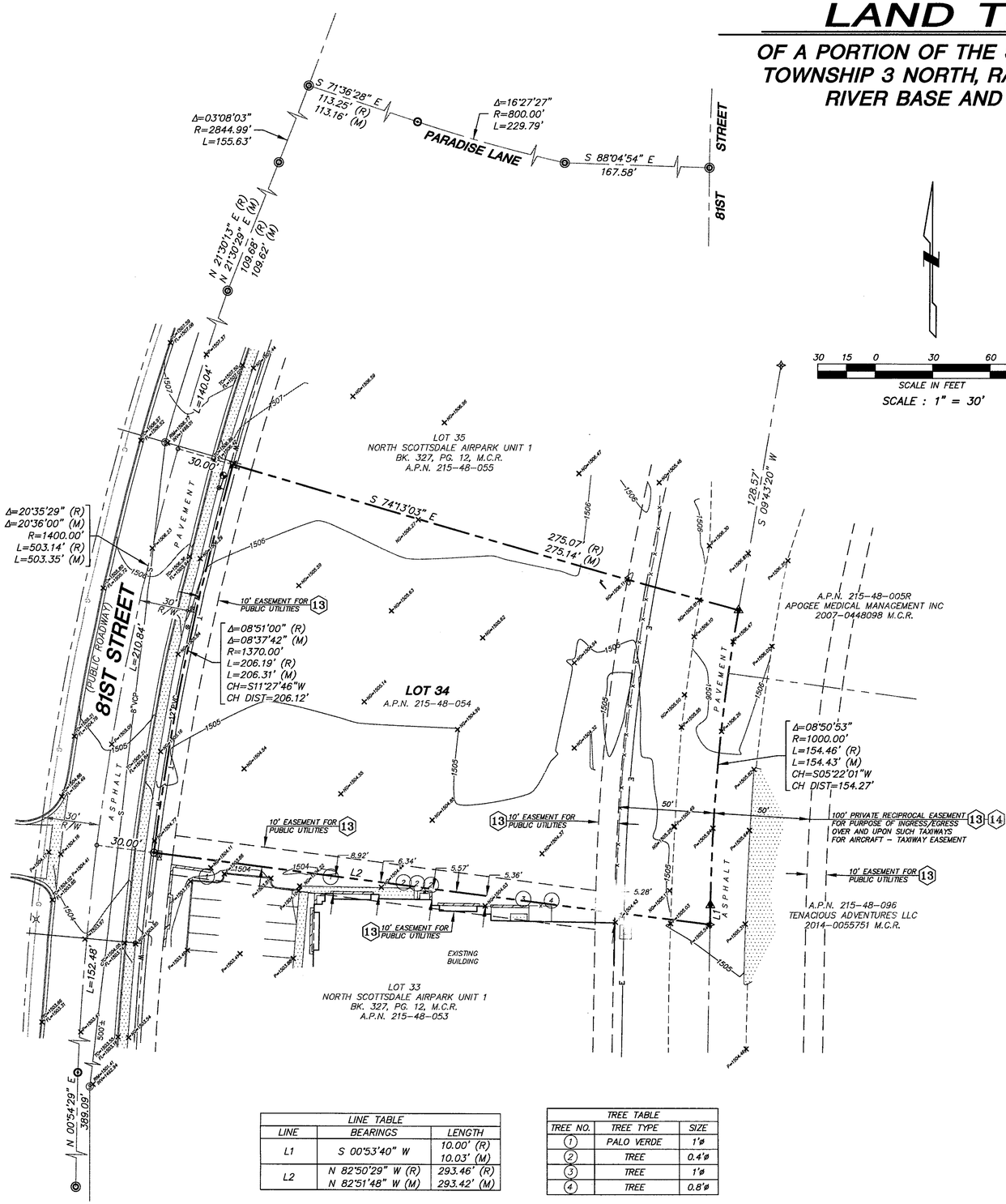
SUBDIVISION OF "NORTH SCOTTSDALE AIRPARK UNIT 1" RECORDED IN BOOK 327 OF MAPS, PAGE 12, MARICOPA COUNTY RECORDS

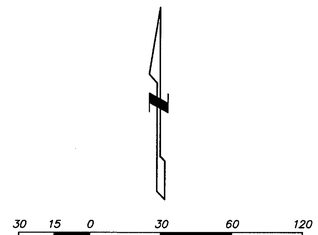
SUBDIVISION OF "NORTH SCOTTSDALE AIRPARK UNIT 3" RECORDED IN BOOK 327 OF MAPS, PAGE 14, MARICOPA COUNTY RECORDS

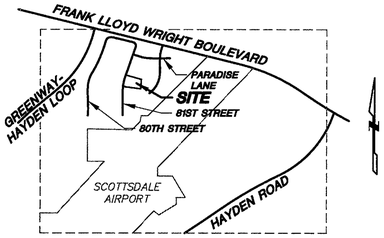
CONDOMINIUM PLAT OF "AVALON AVAGATION CENTER" RECORDED IN BOOK 1014 OF MAPS, PAGE 36, MARICOPA COUNTY RECORDS

LEGEND

	BOUNDARY LINE		SPRINKLER HOOK-UP (FIRE DEPARTMENT)
	CENTER LINE OR MONUMENT LINE		ELECTRIC TRANSFORMER
	CONCRETE SURFACE		FIRE HYDRANT
	24 INCH VERTICAL CURB & GUTTER		LIGHT POLE
	6 INCH CONCRETE CURB		SEWER MANHOLE
ACCESS	INDICATES DRIVEWAY (MEANS OF ACCESS)		TELECOMMUNICATIONS RISER
	WALL		CABLE TELEVISION BOX
-X-	FENCE		WATER VALVE
-E-	UNDERGROUND ELECTRIC LINE	#	TREE (SEE TREE TABLE)
-G-	UNDERGROUND GAS LINE	FL	FLOW LINE
-S-	UNDERGROUND SEWER LINE	TC	TOP OF CURB
-T-	UNDERGROUND TELECOMMUNICATIONS LINE	NG	NATURAL GROUND
-W-	UNDERGROUND WATER LINE	P	PAVEMENT
	FOUND 1/2" CAPPED REBAR STAMPED 11750	C	CONCRETE
	FOUND PK NAIL NO IDENTIFICATION	RIM	TOP OF RIM
	FOUND 1/2" REBAR NO IDENTIFICATION	INV	INVERT ELEVATION
	FOUND RAILROAD SPIKE NO IDENTIFICATION	A.P.N.	ASSESSORS PARCEL NUMBER
	FOUND CITY OF SCOTTSDALE BRASS CAP FLUSH	M.C.R.	MARICOPA COUNTY RECORDS
	CALCULATED POSITION NO MONUMENT FOUND OR SET	R/W	RIGHT OF WAY
	SCHEDULE B ITEM	BK.	BOOK
		PG.	PAGE
		(TYP.)	TYPICAL
		(R)	RECORD PER BK. 327, PG. 12, M.C.R.
		(M)	MEASURED







VICINITY MAP
NOT TO SCALE

DESCRIPTION

LOT 34, OF NORTH SCOTTSDALE AIRPARK UNIT 1, ACCORDING TO BOOK 327 OF MAPS, PAGE 12, AND CERTIFICATE OF CORRECTION RECORDED IN DOCUMENT NO. 94-268055, RECORDS OF MARICOPA COUNTY, ARIZONA.

AREA = 1.206 ACRES

52,527 SQ. FT.

SCHEDULE "B" ITEMS

13 Terms, provisions, covenants, conditions, restrictions, easements, charges, assessments and liens, if any provided in the Plat recorded in Book 327 of Maps, Page 12, of Official Records, but omitting any covenant, condition or restriction, if any, based on race, color, religion, sex, handicap, familial status, or national origin unless and only to the extent that the covenant, condition or restriction (a) is exempt under Title 42 of the United States Code, or (b) relates to handicap, but does not discriminate against handicapped persons. **(PLOTTED HEREON)**

14 Terms, provisions, covenants, conditions, restrictions, easements, charges, assessments and liens, if any provided in the Map of Dedication recorded in Book 299 of Maps, Page 19 and Page 20, of Official Records, but omitting any covenant, condition or restriction, if any, based on race, color, religion, sex, handicap, familial status, or national origin unless and only to the extent that the covenant, condition or restriction (a) is exempt under Title 42 of the United States Code, or (b) relates to handicap, but does not discriminate against handicapped persons. **(PLOTTED HEREON)**

15 Terms, provisions, covenants, conditions, restrictions, easements, charges, assessments and liens provided in the Covenants, Conditions and Restrictions recorded on July 9, 1986, in 86-349534, of Official Records. And amendment(s) thereof recorded in 88-614562 and 2015-917828, of Official Records. **(REFERENCES SUBJECT PROPERTY - NOT PLOTTABLE)**

CERTIFICATION

To: ARIZTAR, LLC, a South Dakota limited liability company; UNIVERSAL LASER SYSTEMS, INC., an Arizona corporation; CITY OF SCOTTSDALE; BLAKE STAMMED DBA ARIZTAR, LLC; and NFG NATIONAL TITLE INSURANCE COMPANY

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, 2, 3, 4, 5, 6(a), 6(b), 7(a), 7(b)(1), 7(c), 8, 9 and 11 of Table A thereof. The field work was completed on October 16, 2017.

Date of Plat or Map: October 16, 2017
David S. Klein
R.L.S. 42137

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
42137
DAVID S.
KLEIN
10/19/17
ARIZONA U.S.A.

EXPIRES 3/31/20

LINE TABLE		
LINE	BEARINGS	LENGTH
L1	S 00°53'40" W	10.00' (R) 10.03' (M)
L2	N 82°50'29" W (R) N 82°51'48" W (M)	293.46' (R) 293.42' (M)

TREE TABLE		
TREE NO.	TREE TYPE	SIZE
1	PALO VERDE	1'ø
2	TREE	0.4'ø
3	TREE	1'ø
4	TREE	0.8'ø

REVISIONS

DATE	DESCRIPTION

ALTA / NSPS LAND TITLE SURVEY
16061 N. 81ST STREET
SCOTTSDALE, AZ 85260

SUPERIOR
SURVEYING SERVICES, INC.
2122 W. Lone Cactus Drive, Suite 11
Phoenix, AZ 85027
623-869-0223 (office) 623-869-0726 (fax)
www.superiorsurveying.com
info@superiorsurveying.com

DWN: GBF CHK: DK
SHEET 1 OF 1
DATE: 10/19/17
JOB NO.: 171006

49-DR-2017
12/14/17

STAMPER HANGAR
SITE IMPROVEMENT PLANS
SCOTTSDALE ARIZONA

CITY OF SCOTTSDALE NOTES

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6. ENCROACHMENT PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. AN ENCROACHMENT PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER THE REGISTRANT HAS PAID A BASE FEE PLUS A FEE FOR INSPECTION SERVICES. COPIES OF ALL PERMITS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.
7. ALL EXCAVATION AND GRADING THAT IS NOT IN THE PUBLIC RIGHTS-OF-WAY OR NOT IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO CHAPTER 70, EXCAVATION AND GRADING, OF THE LATEST EDITION OF THE UNIFORM BUILDING CODE PREPARED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS. A PERMIT FOR THIS GRADING MUST BE SECURED FROM THE CITY FOR A FEE ESTABLISHED BY THE UNIFORM BUILDING CODE.
8. ALL UNDERGROUND STORAGE FACILITIES AND DISPOSAL FACILITIES SHOWN ON THIS PROJECT SHALL BE MAINTAINED BY THE OWNERS. THESE UNDERGROUND STORAGE FACILITIES SHALL BE MODIFIED, UPGRADED, OR REPLACED WITH SIMILAR OR OTHER APPROPRIATE DEVICES/MEASURES BY THE OWNERS WHEN THEY CEASE TO DRAIN THE WATER WITHIN A 36 HOUR PERIOD. REGULAR MAINTENANCE OF THE SILTING CHAMBER IS REQUIRED TO ACHIEVE THE BEST OPERATION OF THE DRYWELL/UNDERGROUND PERCOLATION CHAMBER(S).
9. DURING SITE DEVELOPMENT, ALL DRYWELLS/UNDERGROUND PERCOLATION CHAMBERS SHALL BE SECURELY COVERED WITH FILTER CLOTH OR OTHER MATERIAL TO PREVENT THE INTRODUCTION OF EXCESSIVE SEDIMENT INTO THE SETTLING CHAMBER.

NO CONFLICT SIGNATURE BLOCK

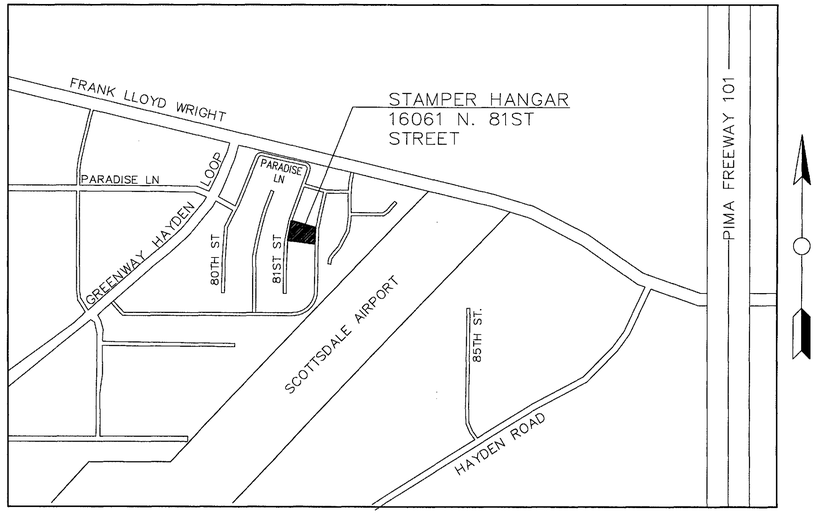
UTILITY	UTILITY COMPANY	NAME OF COMPANY REPRESENTATIVE	TELEPHONE NUMBER	DATE SIGNED
ELECTRIC				
TELEPHONE				
NATURAL GAS				
CABLE TV				
OTHER				
OTHER				

ENGINEER'S CERTIFICATION
I PAUL I ROGERS JR, AS THE ENGINEER OF RECORD FOR THIS DEVELOPMENT, HEREBY CERTIFY THAT ALL UTILITY COMPANIES LISTED ABOVE HAVE BEEN PROVIDED FINAL IMPROVEMENT PLANS FOR REVIEW, AND THAT ALL CONFLICTS IDENTIFIED BY THE UTILITIES HAVE BEEN RESOLVED. IN ADDITION, "NO CONFLICT"FORMS HAVE BEEN OBTAINED FROM EACH UTILITY COMPANY AND ARE INCLUDED IN THIS SUBMITTAL.

SIGNATURE DATE

LEGEND

----------	BOUNDARY LINE	⌓	REMOTE FIRE DEPARTMENT CONNECTION
———	CENTER LINE OR MONUMENT LINE	E	ELECTRIC TRANSFORMER
▭	CONCRETE SURFACE	●	FIRE HYDRANT
═══	6 INCH VERTICAL CURB & GUTTER	☼	LIGHT POLE
═══	6 INCH CONCRETE CURB	Ⓢ	SEWER MANHOLE
≋≋≋	WALL	△	TELECOMMUNICATIONS RISER
—X—	FENCE	TB	CABLE TELEVISION BOX
—E—	UNDERGROUND ELECTRIC LINE	⊗	WATER VALVE
—G—	UNDERGROUND GAS LINE	FL	FLOW LINE
—S—	UNDERGROUND SEWER LINE	TC	TOP OF CURB
—T—	UNDERGROUND TELECOMMUNICATIONS LINE	NG	NATURAL GROUND
—W—	UNDERGROUND WATER LINE	P	PAVEMENT
⊙	FOUND 1/2" CAPPED REBAR STAMPED 11750	C	CONCRETE
✧	FOUND PK NAIL NO IDENTIFICATION	RIM	TOP OF RIM
✖	FOUND 1/2" REBAR NO IDENTIFICATION	INV	INVERT ELEVATION
▲	FOUND RAILROAD SPIKE NO IDENTIFICATION	A.P.N.	ASSESSORS PARCEL NUMBER
◎	FOUND CITY OF SCOTTSDALE BRASS CAP FLUSH	M.C.R.	MARICOPA COUNTY RECORDS
⊙	CALCULATED POSITION NO MONUMENT FOUND OR SET	R/W	RIGHT OF WAY
		BK.	BOOK
		PG.	PAGE
		(TYP.)	TYPICAL
		(R)	RECORD PER BK. 327, PG. 12, M.C.R.
		(M)	MEASURED



VICINITY MAP

OFFSITE QUANTITIES

WATER

12'X8" TS,VB&C	1	EA
8" DIP WATER PIPE	2	LF
1" WATER SERVICE	1	EA
1-1/2" WATER SERVICE	1	EA

SEWER

6" SEWER SERVICE	1	EA
REMOVE & REPLACE AC PAVEMENT	5	SY
REMOVE & REPLACE CURB & GUTTER	5	LF

PAVING

REMOVE ASPHALT PAVEMENT	12	SY
REMOVE CONCRETE CURB	53	LF
REMOVE CONCRETE SIDEWALK	1031	SF
INSTALL CONCRETE DRIVEWAY ENTRANCE	1	EA
INSTALL 6' CONCRETE SIDEWALK	950	SF

RETENTION COMPUTATIONS

RETENTION VOLUME REQUIRED
Vr=(P/12)AC

P=2.3"
A=52,527 SF
C=0.86

Vr=(2.3/12)(52527)(0.86)=8,658 CF

RETENTION PROVIDED IN UNDERGROUND STORAGE TANKS

DIAMETER = 10'
LENGTH = 112'

VOLUME= $\pi R^2 L$
$(\pi)(5^2)(112)=8,796$ CF

ENGINEER'S CERTIFICATION:
The lowest floor elevation(s) and/or floodproofing elevation(s) on this plan are sufficiently high to provide protection from flooding caused by a one-hundred year storm, and are in accordance with City of Scottsdale Revised Code, Chapter 37 – Floodways and Floodplains Ordinance.

FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

COMMUNITY NUMBER	PANEL NO PANEL DATE	SUFFIX	DATE OF FIRM (INDEX DATE)	FIRM ZONE	BASE FLOOD ELEVATION IN AO ZONE,USE DEPTH
045012	1320 10/16/13	L	10/16/13	X(SHADED)	N/A

OWNER
16061 NORTH 81ST STREET
SCOTTSDALE, ARIZONA 85260
SEND ALL CORRESPONDENCE THROUGH THE ARCHITECT.

ARCHITECT
LARSON ASSOCIATES ARCHITECTS, INC.
DPofRC: JIM LARSON
PROJECT ARCH.: BRANDON MILLER
3807 N. 24TH ST., SUITE #100
PHOENIX, ARIZONA 85016
(602) 955-9929
FAX (602) 954-4790
bmiller@larson-architects.com

ENGINEER
THE TRAPEZIUM CONSULTING GROUP LLC
PAUL I ROGERS JR
7950 E REDFIELD ROAD, SUITE 160
SCOTTSDALE, AZ 85260
(480) 483-1500
PAUL@TRAPEZIUMGROUP.COM

LEGAL DESCRIPTION
LOT 34, OF NORTH SCOTTSDALE AIRPARK UNIT 1, ACCORDING TO BOOK 327 OF MAPS, PAGE 12, AND CERTIFICATE OF CORRECTION RECORDED IN DOCUMENT NO. 94-268055, RECORDS OF MARICOPA COUNTY, ARIZONA.
NET AREA: 52527 SF, 1.206 AC.

BENCHMARK
THE BENCHMARK USED FOR THIS SURVEY IS THE CITY OF SCOTTSDALE BRASS CAP IN HANDHOLE AT THE INTERSECTION OF 76TH STREET & PARADISE LANE (DOWN 0.24') HAVING AN ELEVATION OF 1501.71', NAVD 88.

I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON THE ELEVATION DATUM FOR THE CITY OF SCOTTSDALE BENCHMARK PROVIDED ABOVE.

ASSESSOR'S PARCEL NUMBER
215-48-04

ZONING
I-1

SHEET INDEX

COVER SHEET	1
SITE IMPROVEMENTS	2

Call at least two full working days before you begin excavation.
ARIZONA 811 Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

CIVIL APPROVAL

REVIEW AND RECOMMENDED APPROVAL BY:

Paving		Traffic	
G&D		Planning	
W&S		Fire	
Ret. Walls			

APPROVED BY:

THE TRAPEZIUM CONSULTING GROUP, LLC
EXPERIENCE INTEGRITY PERFORMANCE
ENVIRONMENTAL
PLANNING
CIVIL DESIGN
7950 E. Redfield Road, Suite 160 | Scottsdale, AZ 85260 | Ph: (480) 483-1500 | www.Trapeziumgroup.com

DRAWN BY | REVISIONS | DATE

Stamper Hangar
16061 N 81st Street, Scottsdale, AZ
Preliminary Site Improvement Plan

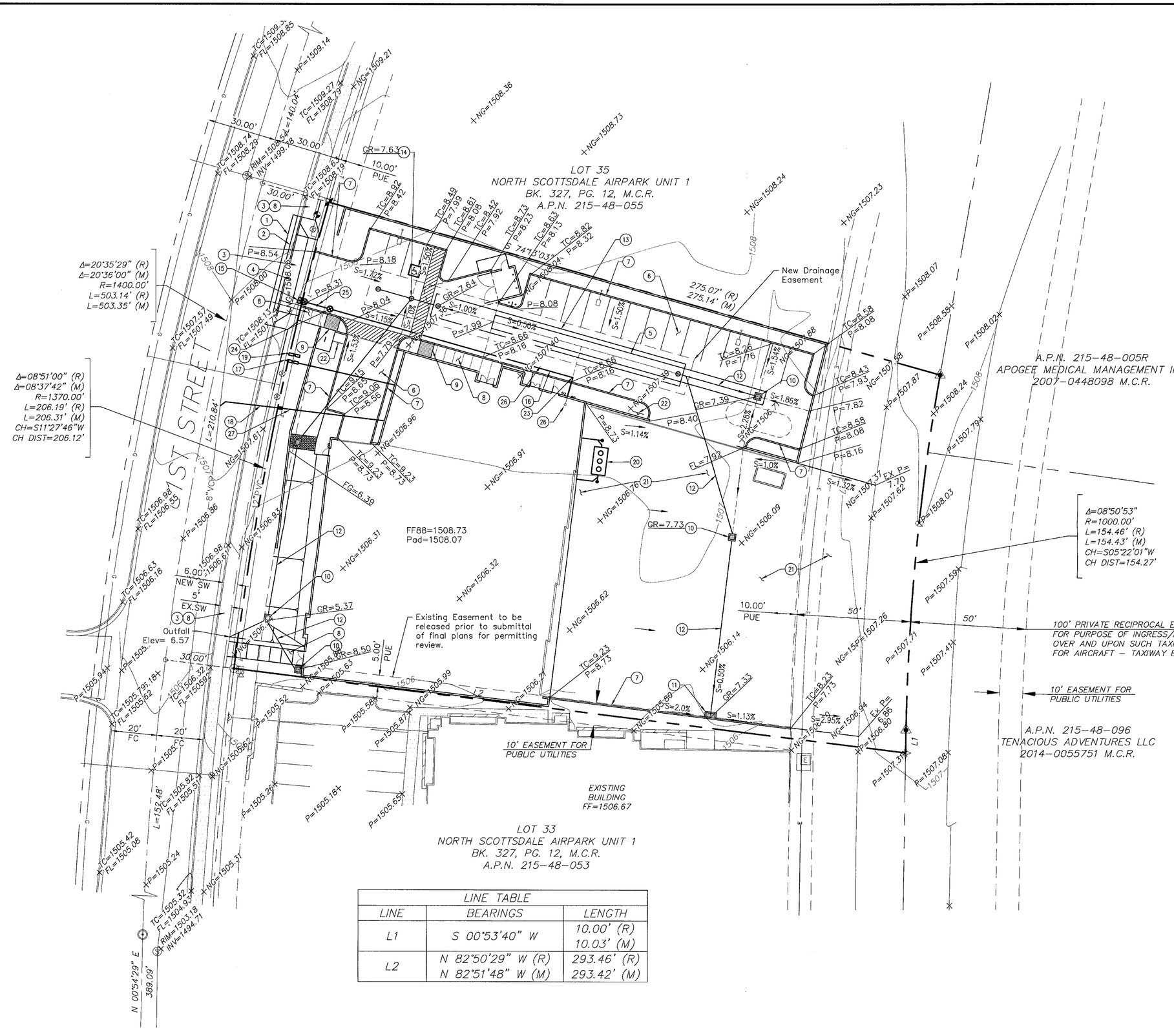
Registered Professional Engineer (Civil)
CERTIFICATE NO. 15506
PAUL I. ROGERS, JR.
5-29-18
Date Signed
ARIZONA, U.S.A.
EXP 03-31-19

PROJ. MGR.: PIR
PROJ. ASSOC.:
PROJ. #: LAASCA
SCALE:
DATE:

Sheet No:
1 OF 2

File: P:\LAASCA\Civil\Drawings\Final Drawings\Preliminary C&D LAASCA.dwg

49-DR-2017
06/20/18



LINE TABLE		
LINE	BEARINGS	LENGTH
L1	S 00°53'40" W	10.00' (R) 10.03' (M)
L2	N 82°50'29" W (R) N 82°51'48" W (M)	293.46' (R) 293.42' (M)

CONSTRUCTION NOTES

1. SAWCUT, REMOVE AND REPLACE ASPHALT PAVEMENT.
2. SAWCUT AND REMOVE CONCRETE CURB AND GUTTER
3. SAWCUT AND REMOVE CONCRETE SIDEWALK
4. INSTALL CONCRETE DRIVEWAY ENTRANCE PER COS STD DET 2250
5. INSTALL 6' VALLEY GUTTER PER MAG STD DET 240
6. INSTALL ASPHALT PAVEMENT
7. INSTALL 6" SINGLE CURB PER MAG STD DET 222 TYPE A.
8. INSTALL CONCRETE SIDEWALK PER MAG STD DET 230.
9. INSTALL SIDEWALK RAMP PER ADA REQUIREMENTS. 12:1 MAX SLOPE.
10. INSTALL STORM DRAIN CATCH BASIN PER MAG STD DET 537, SINGLE GRATE
11. INSTALL STORM DRAIN CATCH BASIN PER MAG STD DET 537 DOUBLE GRATE
12. INSTALL 12 HDPE STORM DRAIN PIPE WITH WATER TIGHT JOINTS
13. INSTALL CORRUGATED STEEL STORM WATER RETENTION TANKS, 10' DIAMETER, 16 GA, 1"X3"CORRUGATIONS, WITH SMOOTH FLOOR. LENGTH = 112'
14. INSTALL DOUBLE CHAMBER DRYWELL. PER TORRENT RESOURCES MAXWELL PLUS.
15. INSTALL 12'X8' TS,VB&C PER MAG STD DET 340, & 391-1, TYPE A AND COS STD DET 2362-2.
16. INSTALL 8" DIP POLY WRAPPED WATER PIPE
17. INSTALL 1-1/2" WATER SERVICE PER COS STD DET 2330 WITH 1" RP BACKFLOW PREVENTER PER COS STD DET 2354.
18. INSTALL 6" SEWER SERVICE PER MAG STD DET 440-3.
19. INSTALL 1" WATER SERVICE PER COS STD DET 2330 WITH 1" RP BACKFLOW PREVENTER PER COS STD DET 2354 FOR LANDSCAPE IRRIGATION.
20. INSTALL SAND/OIL SEPARATOR.SEE PLUMBING PLANS FOR DETAILS.
21. INSTALL CONCRETE PAVEMENT. SEE GEOTECHNICAL REPORT FOR THICKNESS
22. INSTALL SIGN: "NOTICE-UNDERGROUND STORM WATER STORAGE TANK"
23. INSTALL 8" 90° BEND WITH RESTRAINED JOINTS PER MAG STD DET 303-1 & 303-2.
24. INSTALL 8" VB&C PER MAG STD DET 340, & 391-1, TYPE A AND COS STD DET 2362-2.
25. INSTALL TEMPORARY TAP FOR CHLORINE INJECTION PER COS STD DET 2399.
26. INSTALL FIRE RISER PER COS STD DET 2369.
27. INSTALL 6" SDR 35 SEWER PIPE. SLOPE = 2.083%

THE TRAPEZIUM CONSULTING GROUP, LLC
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ENVIRONMENTAL
PLANNING
CIVIL DESIGN
7950 E. Redfield Road, Suite 160 | Scottsdale, AZ 85260 | Ph: (480) 483-1500 | www.Trapeziumgroup.com

DRAWN BY | REVISIONS | DATE

Stamper Hangar
16061 N 81st Street, Scottsdale, AZ
Preliminary Site Improvement Plan

Registered Professional Engineer
CERTIFICATE NO.
15506
PAUL J.
ROGERS, JR.
5-29-18
Date Signed
ARIZONA, U.S.A.
EXP 03-31-19

PROJ. MGR.:	PIR
PROJ. ASSOC.:	
PROJ. #:	LAASCA
SCALE:	
DATE:	

Sheet No:
2 OF 2

Call at least two full working days before you begin excavation.
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In Maricopa County: (602) 263-1100

49-DR-2017
06/20/18

File: P:\LAASCA\Civil\Drawings\Final Drawings\Preliminary G&D LAASCA.dwg



SITE PLAN IN CONTEXT

SCALE: 1"=40'-0"

Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com

Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: SITE PLAN IN CONTEXT (AERIAL OVERLAY)

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Date Signed
June 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

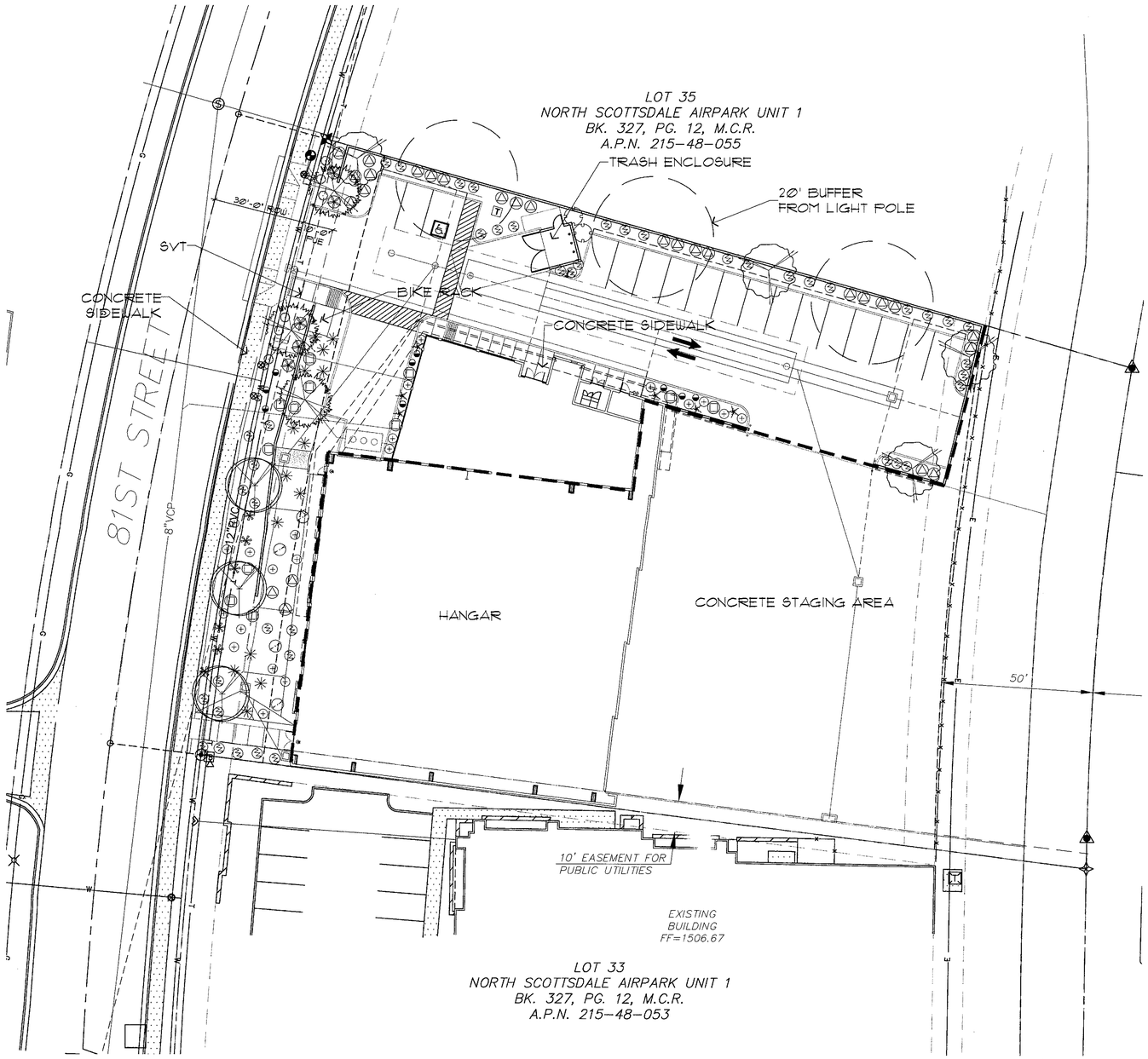
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SHEET NUMBER: SP0.0

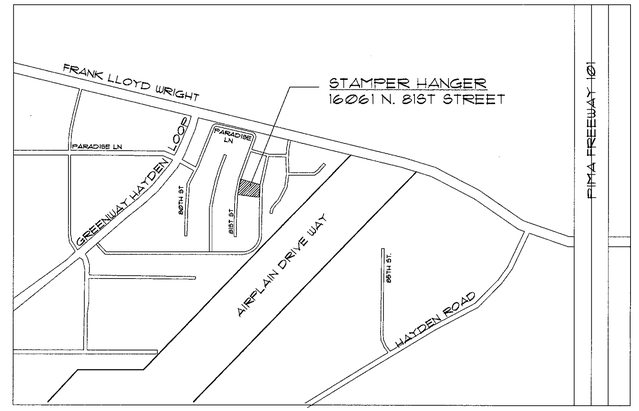
49-DR-2017

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06/20/18

49-DR-2017



PLANTING PLAN
SCALE: 1"=20'-0"
0 5' 10' 20' 40'
NORTH



NORTH

VICINITY MAP

NOT TO SCALE

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME			
TREES					
	Caesalpinia mexicana	Mexican Bird of Paradise	24" Box	4	Multi-Trunk Dense Canopy
	Prosopis Hybrid 'Rio Salado'	'Rio Salado' Mesquite	36" Box	3	Multi-Trunk Dense Canopy
	Olneya tesota	Ironwood	36" Box	3	Multi-Trunk Dense Canopy
ACCENTS					
	Agave desmettiana	Agave	5-Gal	5	As Per Plan
	Aloe Barbadensis	Aloe (Yellow Flower)	5-Gal	6	As Per Plan
	Dasylirion longissimum	Toothless Spoon	5-Gal	6	As Per Plan
	Echinocactus grusonii	Golden Barrel	5-Gal	9	As Per Plan
	Muhlenbergia 'Nashville'	'Nashville' Grass	5-Gal	14	As Per Plan
SHRUBS					
	Calliandra Californica	Baja Fairy Duster	5-Gal	4	As Per Plan
	Justicia Californica	Chuparosa	5-Gal	12	As Per Plan
	Leucophyllum 'Rio Bravo'	'Rio Bravo' Sage	5-Gal	27	As Per Plan
	Tecoma hybrid 'Orange Jubilee'	Orange Jubilee	5-Gal	2	As Per Plan
GROUND COVERS					
	Ericameria laricifolia	Turpentine Bush	1-Gal	45	As Per Plan
	Lantana 'New Gold'	'New Gold' Lantana	1-Gal	6	As Per Plan
	Teucrium chamaedrys	Germander	1-Gal	21	As Per Plan
MISCELLANEOUS					
DG	Decomposed Granite - (Size: ½" Screened - Color: Express Gold) 2" depth in all planting areas (typ)				

LANDSCAPE AREA
RIGHT OF WAY: 706 S.F.
PROVIDED: 7,432 S.F.

PARKING LOT LANDSCAPING:
REQUIRED: 1,029.75 x .33 = 339.82 S.F.
PROVIDED: 763 S.F. = OK

INTERIOR PARKING LOT LANDSCAPING:
REQUIRED: 35x119.92 = 4,197.20 S.F.
PROVIDED: 4,381 S.F. = OK

MATURE TREE % 60%

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
8/16/18
DATE

COLLABORATIVE V
DESIGN STUDIO INC.
7116 EAST 1ST AVENUE,
SUITE 103
SCOTTSDALE, ARIZONA
85251
OFFICE: 480-347-0590
FAX: 480-656-6012

COLLABORATIVE DESIGN STUDIO

Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com

Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

LANDSCAPE ARCHITECT CERTIFICATE NO. 45944 AARON J. HILLMAN 5.31.18 REGISTERED ARIZONA, U.S.A.

EXPIRES 09/30/19

Drawing Name:
PLANTING PLAN

Revisions
3.5.18 DR COMMENTS
5.31.18 DR COMMENTS

Date: 8/22/2017

Project Number:

Drawing No:
L1.0
1 of 1

49-DR-2017
06/20/18

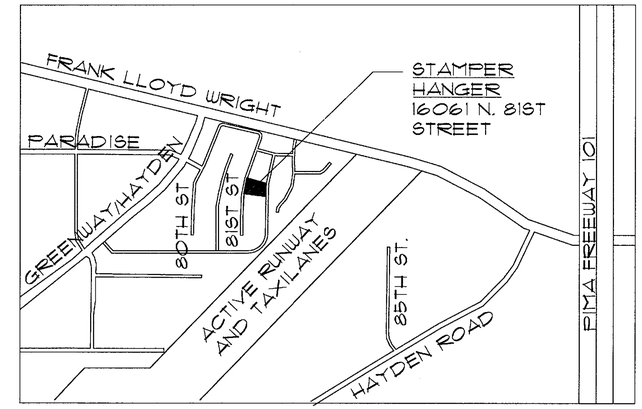
SITE PLAN KEYNOTES

1. NEW GROUND-UP BUILDING - SEE FLOOR PLAN.
2. SITE SCREEN WALL "TYPE A" - SEE DETAIL 17 & 18 /SP2.1 (TOP OF WALL 3'-6" A.F.G.)
3. DUMPSTER ENCLOSURE AND CONCRETE PAD TO MATCH BUILDING WALLS - SEE DETAIL 13/SP2.1 (C.O.S. #2146-1)
4. CONCRETE CURB PER CIVIL PLANS
5. TYPICAL 5'-0" PEDESTRIAN CONCRETE SIDEWALK WITH LIGHT BROOM FINISH - SEE CIVIL PLANS AND DETAILS 1, 6,7 AND 8/SP2.0
6. TRAFFIC VIABILITY TRIANGLE TO REMAIN CLEAR OF OBSTRUCTIONS FROM 2'-0" TO 7'-0" ABOVE GRADE - SEE LANDSCAPE AND CIVIL PLANS
7. NEW DRIVEWAY CURB CUT PER CIVIL PLANS
8. H.C. ACCESSIBLE PARKING SPACE PER ADA STANDARDS - SEE DETAIL 10/SP2.0
9. H.C. ACCESSIBLE PARKING SPACE SIGN PER ADA STANDARDS - SEE DETAIL 25/SP2.3
10. INDICATES ACCESSIBLE ROUTE OF TRAVEL
11. FIRE TRUCK LANE AND TURNING RADIUS PER CITY OF SCOTTSDALE REQUIREMENTS (INSIDE RADIUS OF 25', OUTSIDE RADIUS OF 49', OVERHANG RADIUS OF 55')
12. BIKE PARKING RACKS PER CITY OF SCOTTSDALE STANDARDS WITH 6'-6" x 9'-6" CLEAR AREA - SEE DETAILS 2/SP2.0 & 27/A2.3
13. CORNER H.C ACCESSIBLE RAMP MAX SLOPE 1:12 - SEE DETAIL 6/SP2.0 AND CIVIL PLANS
14. SITE LIGHT - SEE DETAIL 26/SP2.3 STRUCTURAL AND ELECTRICAL DRAWINGS
15. FAA READY LINE - COORDINATE SIZE, COLOR, ETC. WITH THE CITY OF SCOTTSDALE AIRPORT. PAINT LINE OUTSIDE THE TAXILANE SAFETY AREA (AREA EXTENDS 50'-0" FROM THE CENTERLINE OF THE TAXILANE). LINE SHALL BE PAINTED IN ACCORDANCE WITH FAA-AC 5340-J (AS CURRENTLY AMENDED).
16. MOTORIZED TRAFFIC CONTROL GATE PER CITY OF SCOTTSDALE AIRPORT STANDARDS - SEE ELECTRICAL PLANS - WROUGHT IRON GATE TO COMPLETE SEPARATION OF AIRSIDE FROM LANDSIDE (SECURE AIRPORT) - SEE DETAIL 19/SP2.2 - G.C. TO PROVIDE A KEY SWITCH / PRE-EMPTION SENSOR
17. CONTROL PANEL FOR STAGING AREA MOTORIZED GATE PER SPECIFICATIONS AND CITY OF SCOTTSDALE AIRPORT AUTHORITY STANDARDS - SEE ELECTRICAL PLANS
18. NEW 8'-0" A.F.G. HIGH SITE WALL COORDINATE CONSTRUCTION WITH THE ADJACENT PROPERTY OWNER AS REQUIRED - SEE DETAIL 22/SP2.2
19. LANDSCAPE AREA - SEE LANDSCAPE PLANS
20. FIRE RISER ROOM - SEE FLOOR PLAN SHEET A1.0 AND DEFERRED FIRE PROTECTION PLAN SUBMITTAL
21. EXISTING CURB TO REMAIN AT EXISTING ROADWAY
22. FDC PER CITY OF SCOTTSDALE STANDARDS - SEE BUILDING PLANS AND FIRE PROTECTION DRAWINGS
23. DEMOLISH EXISTING 5'-0" SIDEWALK AT RIGHT-OF-WAY AND PROVIDE A NEW 6'-0" SIDEWALK PER CITY OF SCOTTSDALE
24. 4" PARKING LOT STRIPING
25. TYPICAL H.C ACCESSIBLE RAMP MAX SLOPE 1:12 - SEE DETAIL 9/SP2.0 AND CIVIL PLANS
26. AIRCRAFT FUEL PUMP - TO BE PO-UP STYLE FULL UNDERGROUND ENCASEMENT - UNDER SEPARATE PERMIT
27. AIRCRAFT FUEL TANK TO BE COMPLETELY UNDERGROUND - UNDER SEPARATE PERMIT
28. ASPHALT PARKING LOT PER CIVIL DRAWINGS
29. FIRE LANE MARKINGS AT CURB - CURB TO BE COLORED PER SCOTTSDALE STANDARDS AND SIGNS POSTED PER C.O.S. STANDARD DETAIL 2365 - SIGNS PER DETAIL 28/SP2.3
30. SES LOCATED BEHIND EXTERIOR DOORS - SEE FIRST FLOOR PLANS
31. DRIVEWAY TO BE 24'-0" WIDE TWO WAY- DIMENSION NOTED ON SP1.0
32. PROPOSED GROUND MOUNTED TRANSFORMER LOCATION - SUBJECT TO POWER COMPANY APPROVAL - SCREENED BY PROPERTY SITE WALL

LEGAL DESCRIPTION

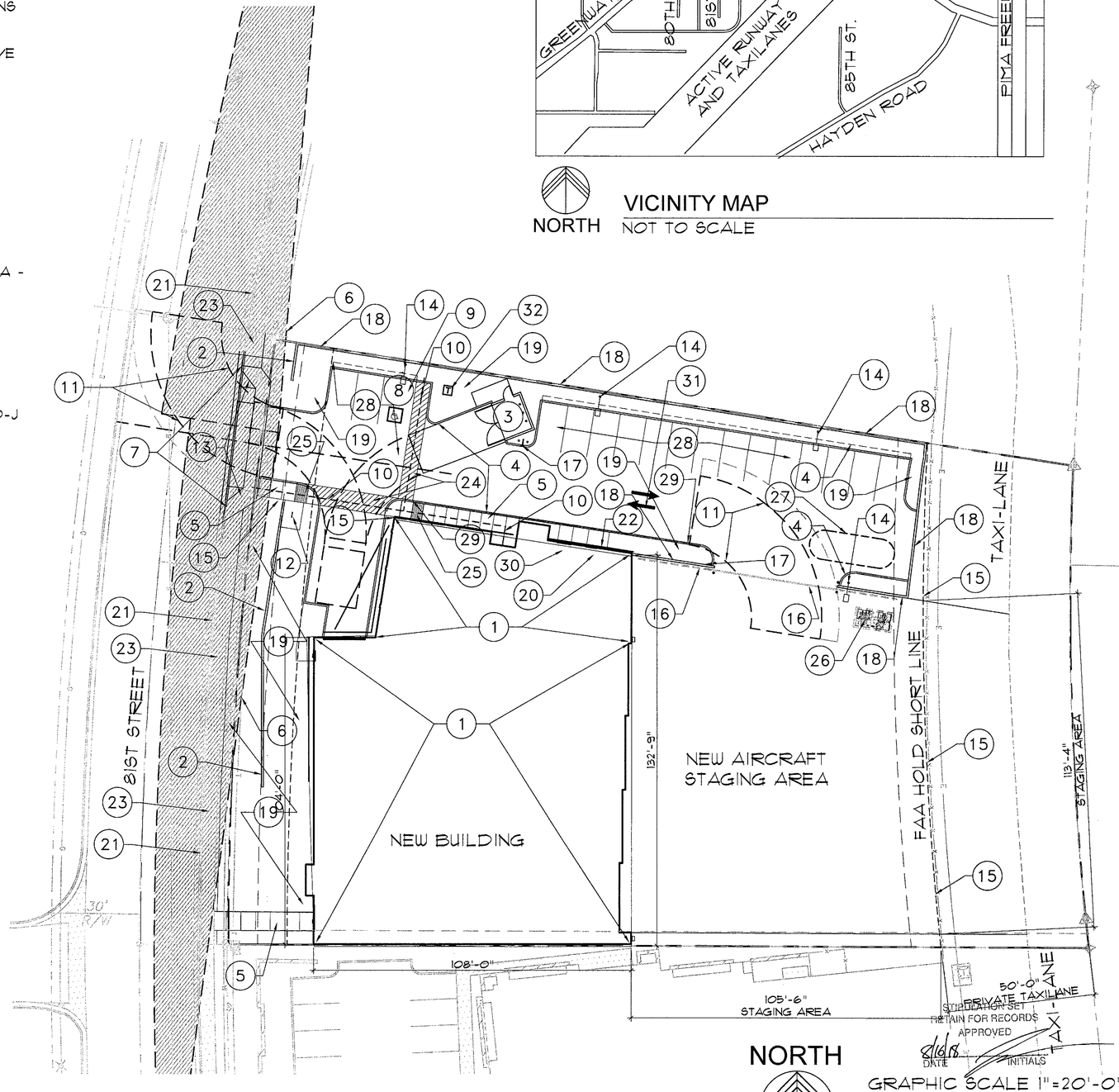
LOT 34, OF NORTH SCOTTSDALE AIRPARK UNIT 1, ACCORDING TO BOOK 327 OF MAPS, PAGE 12, AND CERTIFICATE OF CORRECTION RECORDED IN DOCUMENT NO. 94-268055, RECORDS OF MARICOPA COUNTY, ARIZONA.

APN: 215-48-054



NORTH

VICINITY MAP
NOT TO SCALE



SITE PLAN WITH KEYNOTES

SCALE: 1"=20'-0"

49-DR-2017
06/20/18

Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com

Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: SITE PLAN WITH KEYNOTES

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Date Signed
Jun 19, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP1.0A

49-DR-2017

REQUIRED SITE PLAN NOTES

1. SIGHT DISTANCE TRIANGLES SHALL BE SHOWN ON FINAL PLANS FOR DRIVEWAYS FROM COMMERCIAL SITES AND ANY INTERSECTIONS. AREA WITHIN THE SAFETY TRIANGLE IS TO BE CLEAR OF LANDSCAPING, SIGNS, OR OTHER VISIBILITY OBSTRUCTIONS WITH A HEIGHT GREATER THAN 1.5 FEET. TREES WITHIN THE SAFETY TRIANGLE SHALL HAVE A CANOPY THAT BEGINS AT 8 FEET IN HEIGHT UPON INSTALLATION. ALL HEIGHTS ARE MEASURED FROM NEAREST STREET LINE ELEVATION.
2. ALL RIGHT-OF-WAY ADJACENT TO THIS PROPERTY SHALL BE LANDSCAPED AND MAINTAINED BY THE PROPERTY OWNER.
3. ALL SIGNS REQUIRE SEPARATE PERMITS AND APPROVALS.
4. NO EXTERIOR VENDING OR DISPLAY SHALL BE ALLOWED.
5. FLAG POLES, IF PROVIDED SHALL BE ONE PIECE CONICAL TAPERED.
6. NO EXTERIOR PUBLIC ADDRESS OR SPEAKER SYSTEM SHALL BE ALLOWED.
7. ALL EXTERIOR MECHANICAL, UTILITY, AND COMMUNICATION EQUIPMENT SHALL BE SCREENED TO A HEIGHT OF THE TALLEST UNIT BY PARAPET OR SCREEN WALL THAT MATCHES THE ARCHITECTURAL COLOR AND ARCHITECTURAL FINISH OF THE BUILDING. GROUND MOUNTED MECHANICAL, UTILITY, AND COMMUNICATION EQUIPMENT SHALL BE SCREENED BY A SCREEN WALL THAT MATCHES THE ARCHITECTURAL COLOR AND ARCHITECTURAL FINISH OF THE BUILDING, WHICH IS A MINIMUM OF 1'-0" HIGHER THAN THE HIGHEST POINT OF TALLEST UNIT.
8. ALL EQUIPMENT, UTILITIES, OR OTHER APPURENANCES ATTACHED TO THE BUILDING SHALL BE AN INTEGRAL PART OF THE BUILDING DESIGN IN TERMS OF FORM, COLOR AND TEXTURE.
9. NO EXTERIOR VISIBLE LADDERS SHALL BE ALLOWED.
10. ALL POLE MOUNTED LIGHTING SHALL BE A MAXIMUM OF 20 FEET IN HEIGHT.
11. NO CHAIN LINK OR DOOLEY WALL FENCING SHALL BE ALLOWED.
12. ALL EXTERIOR CONDUIT AND RACEWAYS SHALL BE PAINTED TO MATCH THE BUILDING.
13. UPON REMOVAL OF THE SALVAGEABLE NATIVE PLANTS THE SALVAGE CONTRACTOR SHALL COMPLETE NATIVE PLANT TRACKING FORM AS WELL AS A LIST IDENTIFYING THE TAG NUMBERS OF THE PLANTS SURVIVING SALVAGE OPERATIONS TO THE CITY'S INSPECTION SERVICES UNIT WITHIN 3 MONTHS FROM THE BEGINNING OF SALVAGE OPERATIONS AND/OR PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
14. ALL EXTERIOR LUMINARIES SHALL MEET ALL IESNA REQUIREMENTS FOR FULL CUTOFF, AND SHALL BE AIMED DOWNWARD AND AWAY FROM PROPERTY LINES EXCEPT SIGN, PARKING LOT CANOPY AND LANDSCAPE LIGHTING.
15. CITY STAFF MAY AT ANY TIME REQUEST THE DEVELOPER TO SUBMIT AS-BUILT PLANS TO THE INSPECTION SERVICES DIVISION. AS BUILT PLANS SHALL BE CERTIFIED IN WRITING BY A REGISTERED PROFESSIONAL ENGINEER, USING AS-BUILT DATA FROM A REGISTERED LAND SURVEYOR. AS-BUILT PLANS FOR DRAINAGE FACILITIES AND STRUCTURES SHALL INCLUDE, BUT ARE NOT LIMITED TO STREETS, LOT GRADING, STORM DRAIN PIPE, VALLEY GUTTERS, CURB AND GUTTER, FLOOD WALLS, CULVERTS, INLET AND OUTLET STRUCTURES, DAMS, BERMS, LINED AND UNLINED OPEN CHANNELS, STORM WATER STORAGE BASINS, UNDERGROUND STORM WATER STORAGE TANKS, AND BRIDGES AS DETERMINED BY CITY STAFF.
16. TEMPORARY/SECURITY FENCING THAT IS REQUIRED OR IS OPTIONAL PROVIDED SHALL BE IN ACCORDANCE WITH THE ZONING ORDINANCE AND THE DESIGN STANDARDS AND POLICIES MANUAL.
17. THE TEMPORARY/SECURITY FENCE LOCATION SHALL NOT BE MODIFIED OR THE TEMPORARY/SECURITY FENCE SHALL NOT BE REMOVED WITHOUT THE APPROVAL OF THE PLANNING AND DEVELOPMENT SERVICES' INSPECTION SERVICES DIVISION.
18. NO TURF AREAS SHALL BE PROVIDED.
19. NO IRRIGATION SHALL BE PROVIDED TO UNDISTURBED NATURAL OPEN SPACE (NAOS) AREAS.
20. NO HELICOPTER ACCESS OF HELIPORT APPROVED UNDER THIS REVIEW.
21. COORDINATE ALL OFF-SITE TRAFFIC CONTROLS WITH THE CITY OF SCOTTSDALE TRAFFIC DEPARTMENT AND ADOT DURING THE CONSTRUCTION PROCESS.
22. THE FACE OF THE SERVICE ENTRY SECTION SHALL BE FLUSH WITH THE BUILDING FACADE AND PAINTED TO MATCH THE BUILDING.
23. ROOF DRAINAGE SYSTEMS SHALL BE INTERIOR.
24. NO EXTERIOR VENDING OR DISPLAY SHALL BE ALLOWED.
25. WALL ENCLOSURE FOR REFUSE BINS AND TRASH COMPACTORS SHALL BE CONSTRUCTED OF MATERIALS, WITH COLORS AND TEXTURES WHICH ARE COMPATIBLE WITH THE BUILDING ON THE SITE.
26. ALL SITE WALLS SHALL MATCH THE ARCHITECTURAL COLOR, MATERIALS AND FINISH OF THE BUILDING.
27. THE MAXIMUM HEIGHT FROM FINISH GRADE TO THE BOTTOM OF ANY EXTERIOR LUMINARIES SHALL NOT EXCEED TWENTY (20) FEET.
28. ALL LUMINARIES SHALL BE RECESSED OR SHIELDED SO THE LIGHT SOURCE IS NOT DIRECTLY VISIBLE FROM THE PROPERTY LINE.

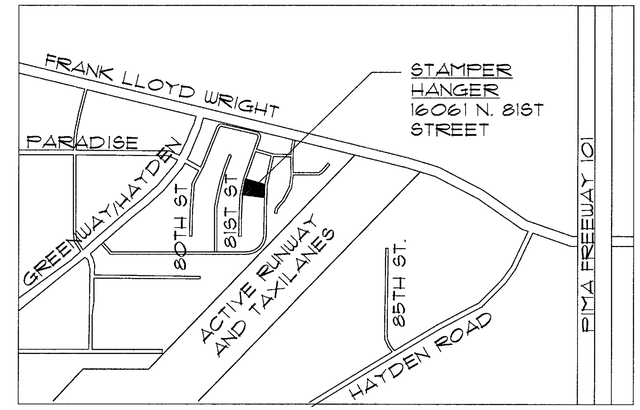
AIRPORT STIPULATION:
1. FUEL DISPENSING AND STORAGE BY SEPARATE SUBMITTAL AND PERMIT MUST HAVE SPECIFIC DOCUMENTED AIRPORT REVIEW AND APPROVAL TO CONFIRM COMPLIANCE WITH AIRPORT RULES AND REGULATIONS.

NOTE: G.C. TO ENSURE THAT ALL BUILDING SYSTEMS FROM ALL TRADES MUST BE CLEAN, NEAT, COORDINATED AND ORGANIZED IN A CRISP AND ORDERLY FASHION. ALL EXPOSED CONDUIT, PIPING, DUCTWORK, STRUCTURE, LIGHTING, ETC. TO BE NEAT AND ORDERLY.

LEGAL DESCRIPTION

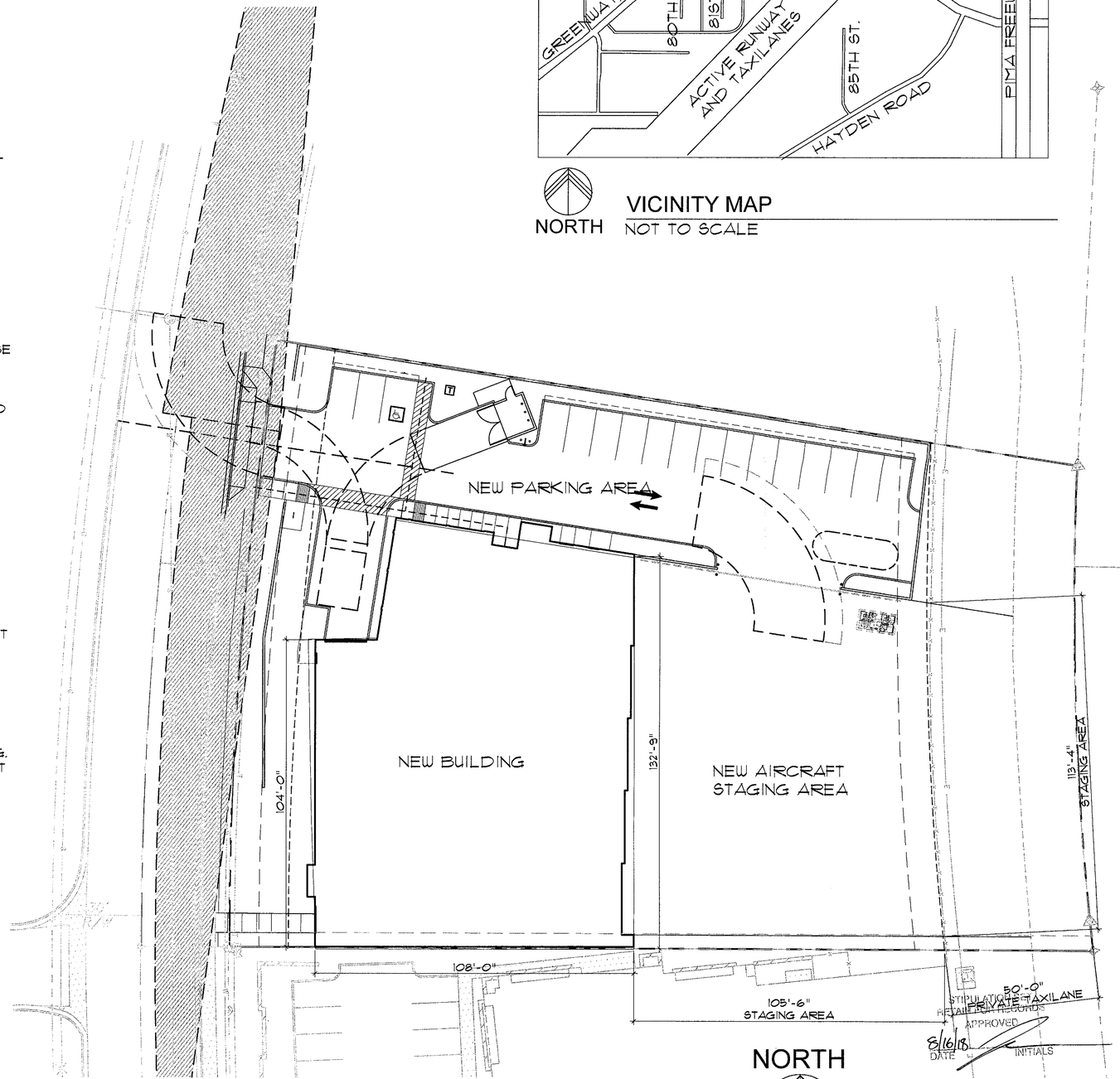
LOT 34, OF NORTH SCOTTSDALE AIRPARK UNIT 1, ACCORDING TO BOOK 327 OF MAPS, PAGE 12, AND CERTIFICATE OF CORRECTION RECORDED IN DOCUMENT NO. 94-268055, RECORDS OF MARICOPA COUNTY, ARIZONA.

APN: 215-48-054



NORTH

VICINITY MAP
NOT TO SCALE



NORTH

GRAPHIC SCALE 1"=20'-0"
0 10' 20' 40'

SITE PLAN GENERAL NOTES

SCALE: 1"=20'-0"

49-DR-2017
06/20/18

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: SITE PLAN WITH GENERAL NOTES

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
REGISTERED ARCHITECT
STATE OF ARIZONA

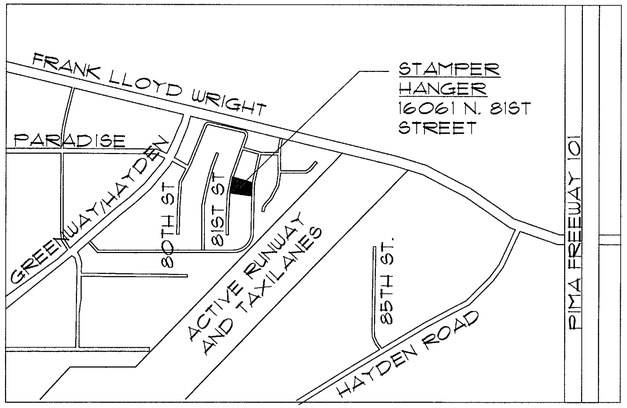
Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP1.0B

49-DR-2017



NORTH

VICINITY MAP

NOT TO SCALE

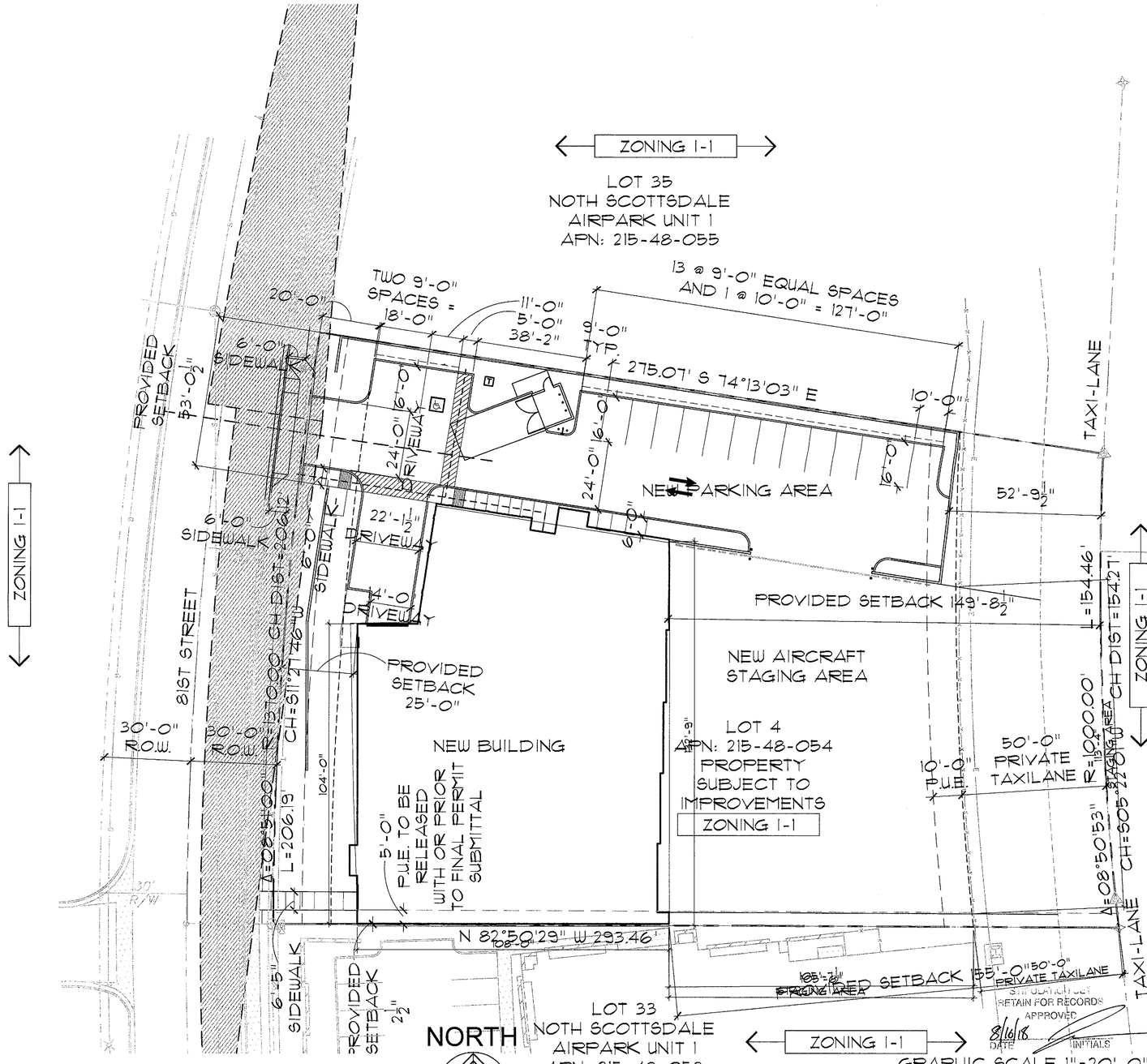
SITE PLAN SHEET INDEX

SP0.0	AERIAL OVERLAY
SP1.0	SITE PLAN WITH DIMENSIONS
SP1.0A	SITE PLAN WITH KEYNOTES
SP1.0B	SITE PLAN WITH GENERAL NOTES
SP1.1	PHOTOGRAPHS SITE PLAN KEY MAP
SP1.2	OPEN SPACE PLAN WORKSHEET
SP1.3	VEHICULAR AND PEDESTRIAN CIRCULATION ROUTES
SP1.4	HARDSCAPE PLAN
SP1.5	PHOTOMETRIC SITE PLAN
SP1.6	EXTERIOR LIGHTING PLAN
SP1.7	SIGHT VISIBILITY TRIANGLES
SP1.8	AIRPORT SITE PLAN
SP2.0-SP2.11	SITE DETAILS
SP3.0-SP3.14	EXTERIOR LIGHTING CUT SHEETS
A0.1	ZONING CODE ANALYSIS
A0.2	BUILDING CODE ANALYSIS
A0.3	AIRPORT AUTHORITY DATA AND NOTES
A0.4	GENERAL NOTES AND ENERGY ANALYSIS
A0.5	NFPA AND FIRE DEPARTMENT NOTES
A0.6	FIRE ORDINANCE REQUIREMENTS
A1.0	FIRST FLOOR PLAN
A1.1	SECOND FLOOR PLAN
A1.7	ROOF PLAN
A2.0-A2.10	EXTERIOR ELEVATIONS AND RENDERINGS
A3.0-A3.5	WALL SECTIONS

LEGAL DESCRIPTION

LOT 34, OF NORTH SCOTTSDALE AIRPARK UNIT 1, ACCORDING TO BOOK 327 OF MAPS, PAGE 12, AND CERTIFICATE OF CORRECTION RECORDED IN DOCUMENT NO. 94-268055, RECORDS OF MARICOPA COUNTY, ARIZONA.

APN: 215-48-054



SITE PLAN WITH DIMENSIONS

SCALE: 1"=20'-0"

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16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: SITE PLAN WITH DIMENSIONS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9652
REGISTERED ARCHITECT
Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

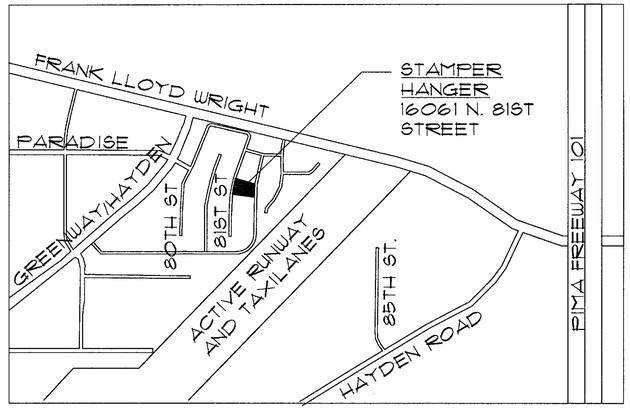
PROJECT NUMBER: 17-029

SHEET NUMBER: SP1.0

SITE PLAN SUBJECT TO STIPULATIONS
RETAIN FOR RECORDS
APPROVED
8/16/18
DATE
INITIALS

49-DR-2017
06/20/18

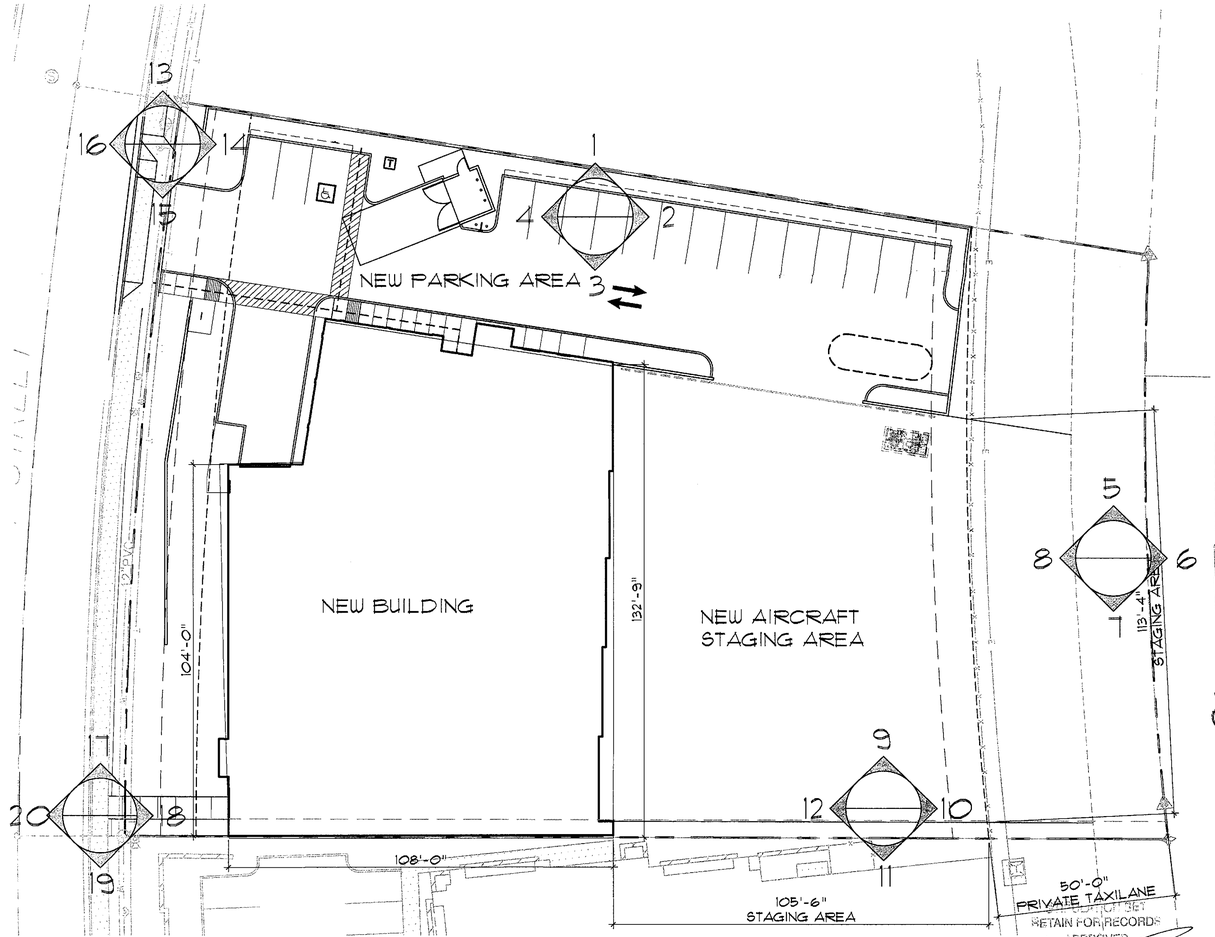
49-DR-2017



NORTH

VICINITY MAP

NOT TO SCALE



NORTH

GRAPHIC SCALE 1"=20'-0"

0 10' 20' 40' 80'

PHOTOGRAPH SITE PLAN KEY MAP

SCALE: 1"=20'-0"

RETAIN FOR RECORDS

APPROVED

8/16/18

DATE INITIALS

49-DR-2017
06/20/18

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: PHOTOGRAPH SITE PLAN KEY MAP

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
REGISTERED ARCHITECT
ARIZONA U.S.A.

Jun 14, 2018

EXPIRES: 6/30/2021

SITE PLAN

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP1.1

49-DR-2017

49-DR-2017

OPEN SPACE DATA:

PROJECT DATA ZONING: ——— I-1
NET LOT AREA: ——— 49,155 S.F.
BUILDING HEIGHT: ——— 41'-0"

REQUIRED OPEN SPACE:
MAXIMUM BUILDING HEIGHT: ——— 52'-0"
PROVIDED: ——— 41'-0"

FIRST 12'-0" OF HEIGHT ——— =(10% X NET LOT AREA)
= .10 X 49,155 S.F. = 4,915.5 S.F.

NEXT 29'-0" OF HEIGHT: ——— = 29' X .003 X 49,155 = 4,276 S.F.

STAGING AREA REDUCTION:
REDUCED OPEN SPACE REQUIRED: ——— = 4,276 X .50 = 2,138 S.F.

TOTAL REQUIRED:
(NOT INCLUDING PARKING LOT LANDSCAPING) = 4,915.5 + 2,138 = 7,054 S.F.

OPEN SPACE PROVIDED: ——— = 4,505 + 2,566 = 7,071 S.F. = OKAY

PARKING LOT LANDSCAPING REQUIRED: ——— 9,954 X .15 = 1,493 S.F.

PARKING LOT LANDSCAPING PROVIDED: ——— 2,108 S.F. = OKAY

OPEN SPACE LEGEND

PARKING LOT PAVED AREA:
9,954 S.F.

OPEN FRONT SPACE REQUIRED:
= 20x206 = 4,120 S.F.
OPEN FRONT SPACE PROVIDED: 4,505 S.F. = OKAY

OPEN SPACE OTHER THAN FRONT OPEN SPACE
= 2,566 S.F.

ON-SITE AIRCRAFT STAGING AREA (HANGAR TO HOLD-SHORT LINE):
REQUIRED = GREATER THAN THE INTERIOR AIRCRAFT STORAGE AREA:
11,137 S.F.
PROVIDED:
12,449 S.F. = OKAY

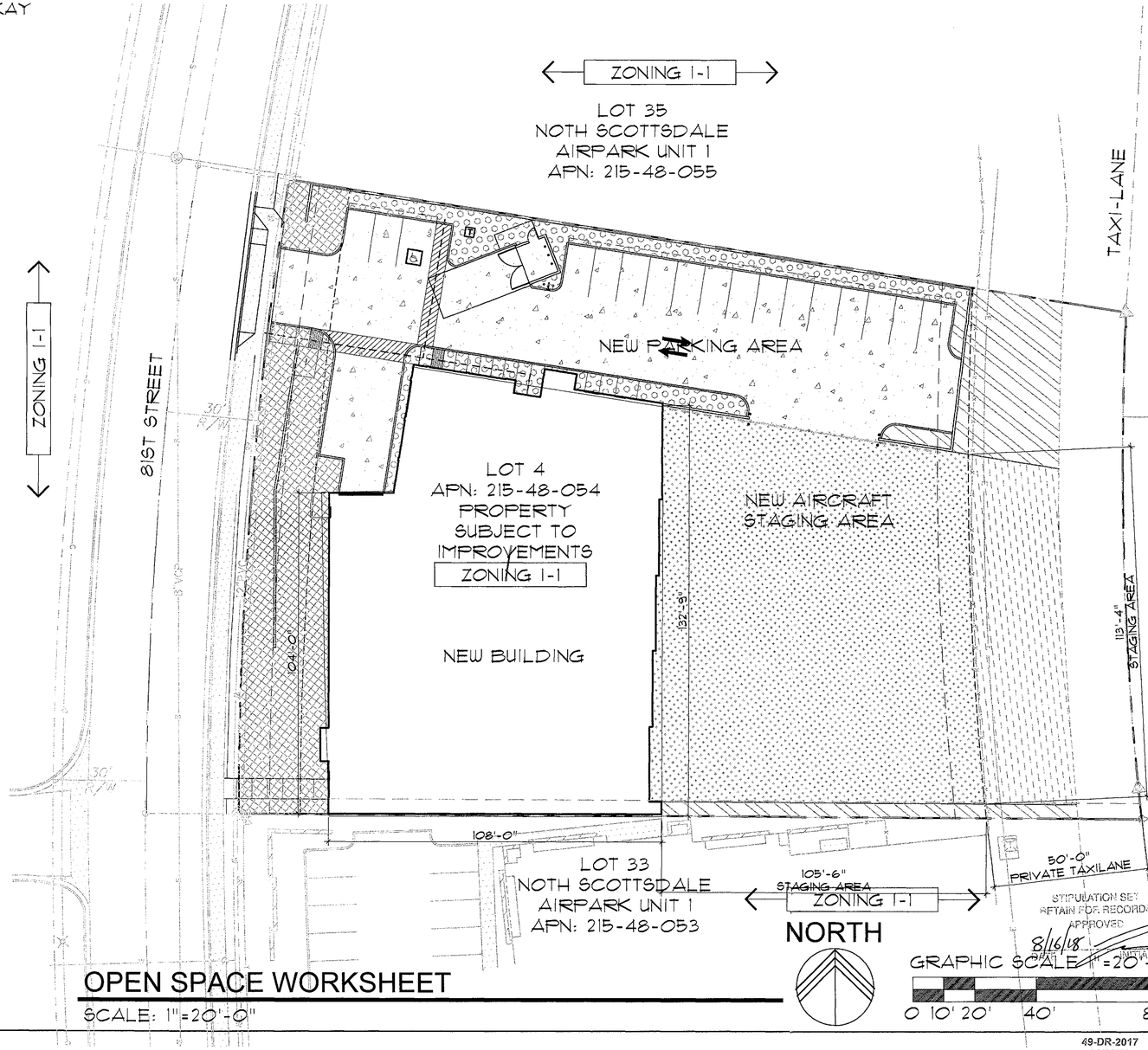
SHARED PRIVATE TAXILANE PAVED AREA ON SITE: 3,955 S.F.

PARKING AREA LANDSCAPE: 2,108 S.F.

LEGAL DESCRIPTION

LOT 34, OF NORTH SCOTTSDALE AIRPARK UNIT 1, ACCORDING TO BOOK 327 OF MAPS, PAGE 12, AND CERTIFICATE OF CORRECTION RECORDED IN DOCUMENT NO. 94-268055, RECORDS OF MARICOPA COUNTY, ARIZONA.

APN: 215-48-054



OPEN SPACE WORKSHEET

SCALE: 1"=20'-0"

49-DR-2017
06/20/18

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: OPEN SPACE WORKSHEET

ZONING I-1

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
REGISTERED ARCHITECT
Date Signed
Jun 14, 2018

EXPIRES:
6/30/2021

DATE:
06-07-2018

PROJECT
NUMBER:
17-029

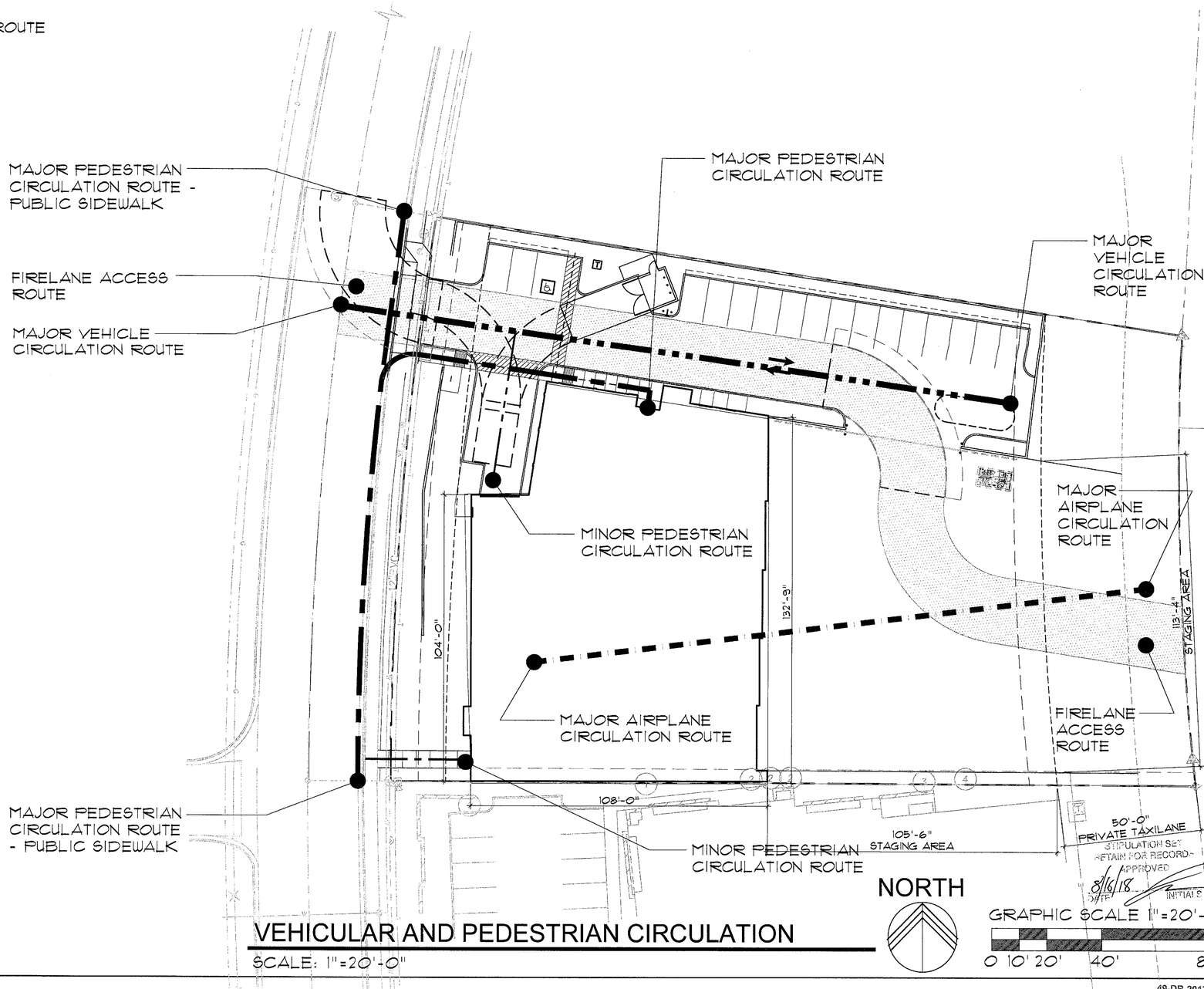
SHEET
NUMBER:
SP1.2

49-DR-2017

49-DR-2017

VEHICULAR AND PEDESTRIAN CIRCULATION LEGEND

- FIRE LANE ACCESS ROUTE
- MAJOR VEHICLE CIRCULATION ROUTE
- MINOR VEHICLE CIRCULATION ROUTE
- MAJOR PEDESTRIAN CIRCULATION ROUTE
- MINOR PEDESTRIAN CIRCULATION ROUTE
- MAJOR AIRPLANE CIRCULATION ROUTE
- FAA SECURITY LINE



VEHICULAR AND PEDESTRIAN CIRCULATION

SCALE: 1"=20'-0"

STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
DATE
INITIALS

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: VEHICULAR AND PEDESTRIAN CIRCULATION

REGISTERED
CERTIFICATE NO.
9256
JAMES LAWRENCE LARSON
ARIZONA U.S.A.

Jun 14, 2018

EXPIRES:
6/30/2021

DATE:
06-07-2018

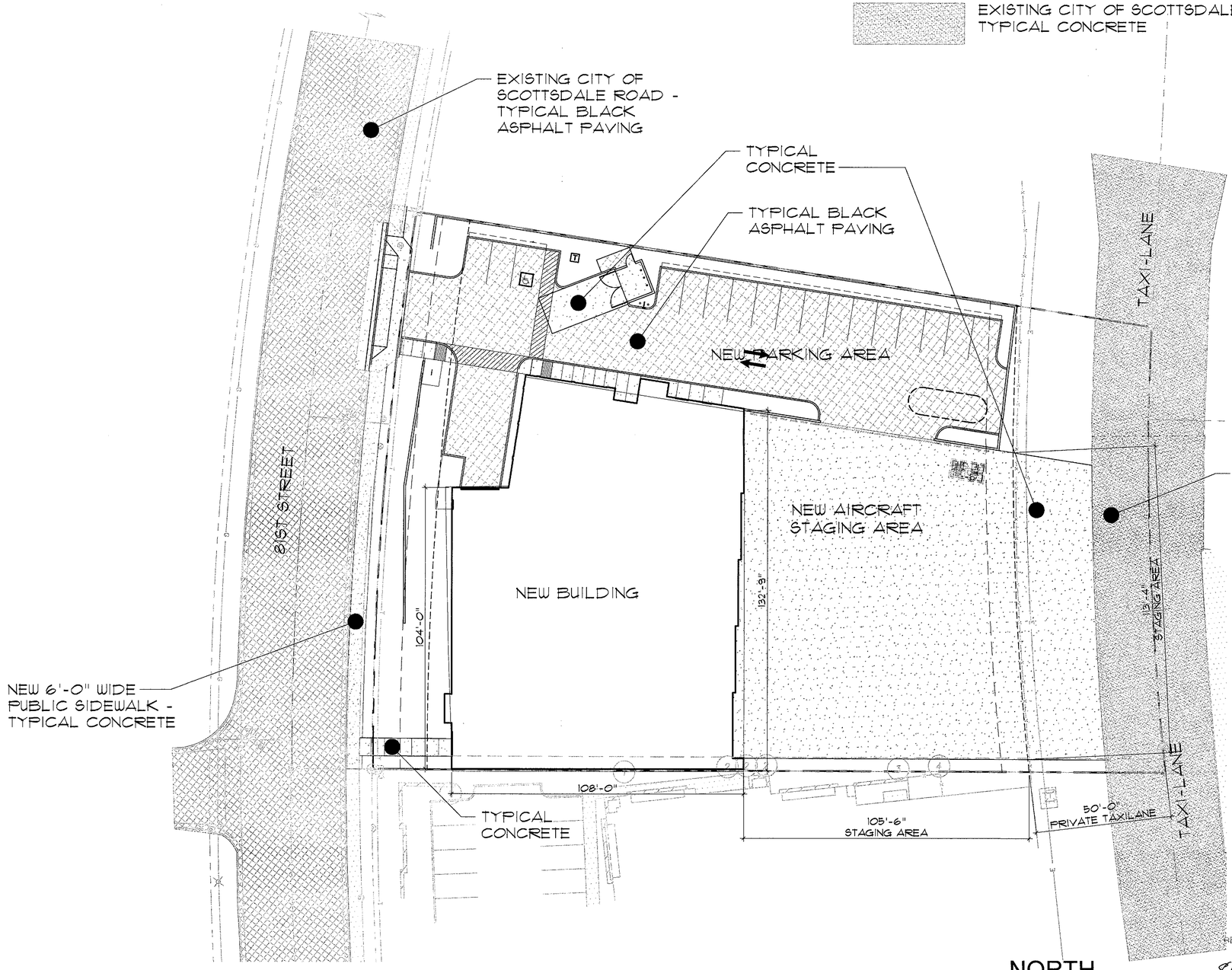
PROJECT NUMBER:
17-029

SHEET NUMBER:
SP1.3

49-DR-2017

HARDSCAPE LEGEND:

- TYPICAL BLACK ASPHALT PAVING
- TYPICAL CONCRETE
- EXISTING CITY OF SCOTTSDALE ROAD - TYPICAL BLACK ASPHALT PAVING
- EXISTING CITY OF SCOTTSDALE TYPICAL CONCRETE



NORTH

GRAPHIC SCALE 1"=20'-0"

0 10' 20' 40' 80'

HARDSCAPE PLAN

SCALE: 1"=20'-0"

STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
DATE
INITIALS

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: HARDSCAPE PLAN

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9258
REGISTERED ARCHITECT
June 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

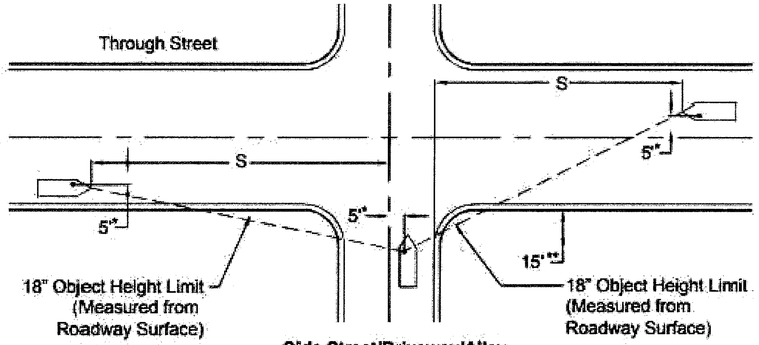
PROJECT NUMBER: 17-029

SHEET NUMBER: SP1.4

49-DR-2017

49-DR-2017

49-DR-2017
06/20/18



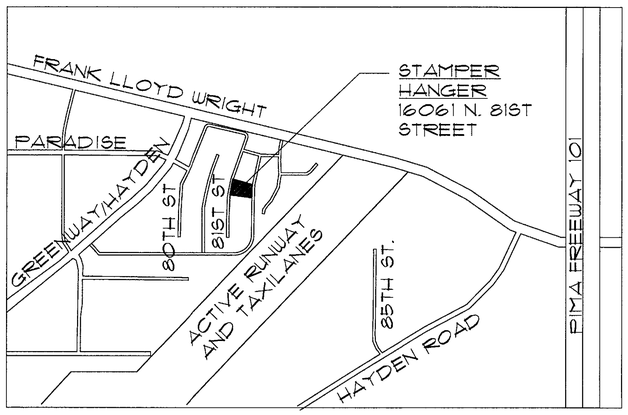
Side Street/Driveway/Alley
(Applies to stop controlled side street or all approaches to a signalized intersection for right-on-red traffic.

* 5 feet measured to nearest lane line or centerline.

**15 feet measured from face-of-curb or edge-of-travelway.

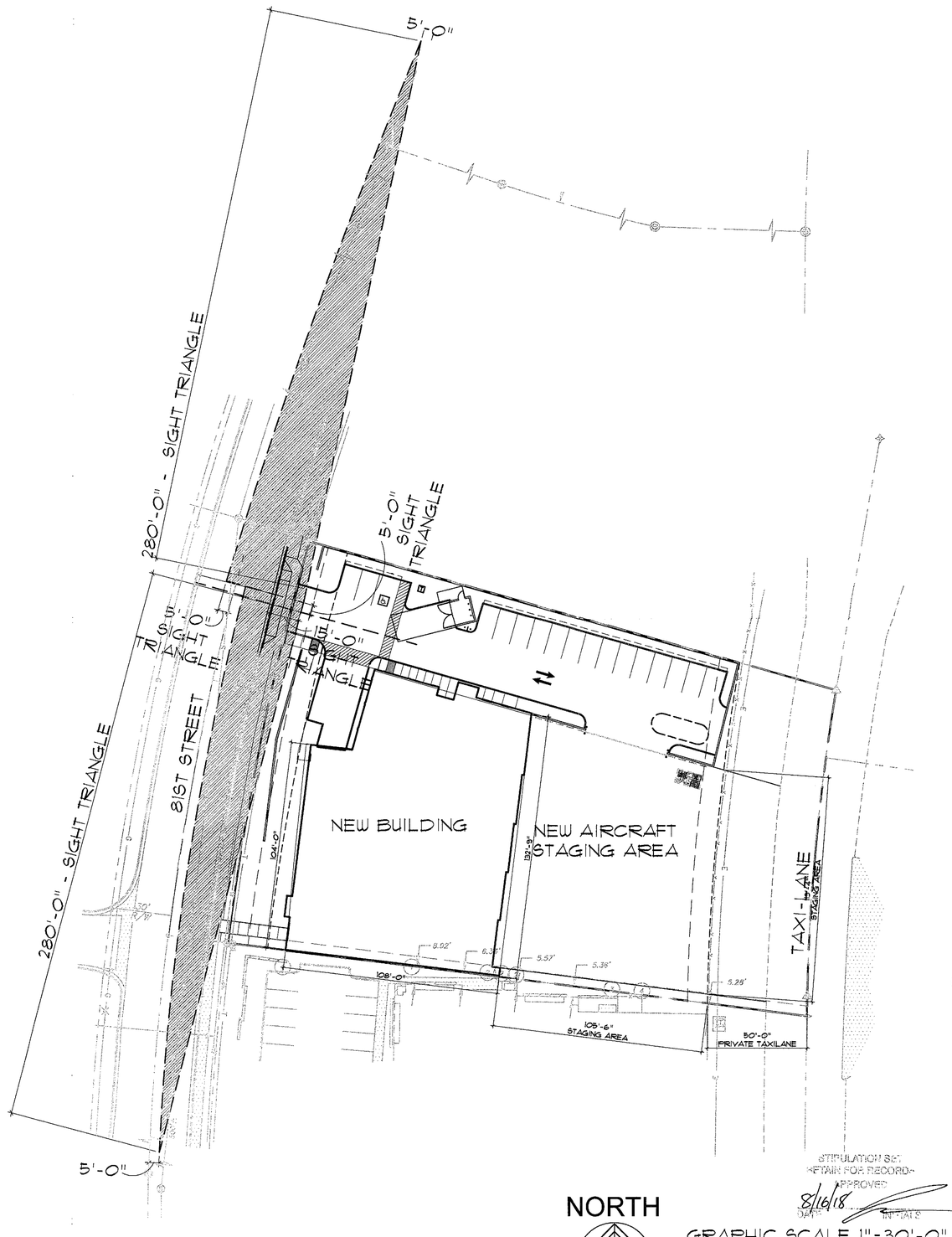
Two Lane Roadway

Design Speed	Sight Distance (S)					
	Passenger Car (ft)		Single Unit Truck (ft)		Combination Truck (ft)	
	TH	LT	TH	LT	TH	LT
25	240	280	315	350	390	425
30	290	335	375	420	465	510
35	335	390	440	490	540	595
40	385	445	500	560	620	880
45	430	500	565	630	695	765
50	480	555	625	700	775	845
55	530	610	690	770	850	930



NORTH

VICINITY MAP
NOT TO SCALE



NORTH

GRAPHIC SCALE 1"=30'-0"
0 15' 30' 60' 120'

STIPULATION SET
"RETAIN FOR RECORD"
APPROVED
8/16/18
DATE
INITIALS

SITE VISIBILITY TRIANGLES

SCALE: 1"=30'-0"

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SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: SIGHT VISIBILITY TRIANGLES

James Larson
REGISTERED ARCHITECT
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP1.7

49-DR-2017

AIRPORT SITE PLAN KEYNOTES

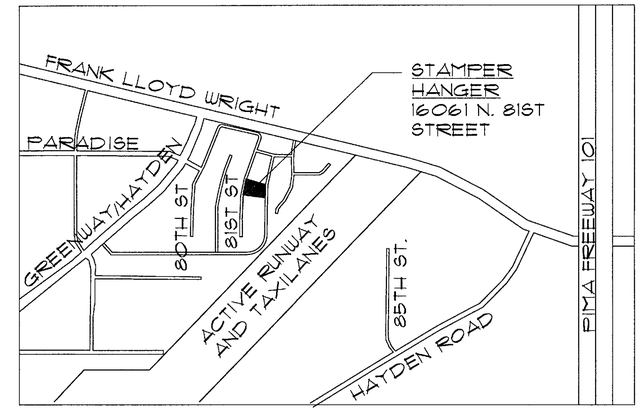
1. FAA READY LINE ("HOLD SHORT" LINE)- COORDINATE SIZE, COLOR, ETC. WITH THE CITY OF SCOTTSDALE AIRPORT AND THE FEDERAL AVIATION ADMINISTRATION
2. TRAFFIC CONTROL GATE PER CITY OF SCOTTSDALE AIRPORT STANDARDS AND THE SCOTTSDALE NORTHWEST AIRPARK PROPERTY OWNER ASSOCIATION'S CC&R'S.
3. NEW PAVING PER FAA ADVISORY CIRCULARS, AIRCRAFT STAGING AREA WITH SLOPE NOT TO EXCEED 2% - SEE CIVIL DRAWINGS
4. 8'-0" HEIGHT SITE WALL TO MATCH ADJACENT BUILDING MATERIALS AND COLOR - COORDINATE CONNECTION TO ADJACENT PROPERTY'S TAXIWAY BARRIER WITH THE ADJACENT PROPERTY OWNER, THE CITY OF SCOTTSDALE AIRPORT, THE CITY OF SCOTTSDALE BUILDING DEPARTMENT, AND THE SCOTTSDALE NORTHWEST AIRPARK PROPERTY OWNER ASSOCIATION
5. EXTERIOR LIGHT - SEE ELECTRICAL SITE PLANS - LIGHTS SHALL ILLUMINATE DOWNWARD TO PREVENT GLARE TO PILOTS AND/OR AIRTRAFFIC CONTROLLERS.
6. PROPOSED LOCATION FOR UNDERGROUND 20,000 GAL. JET 'A' FUEL TANKS BY SEPERATE SUBMITTAL AND PERMIT - SUPPLIER TO PROVIDE COMPLETE DRAWINGS TO THE CITY OF SCOTTSDALE AIRPORT - NO PORTION OF THE WORK FOR THE FUELING SHALL BE ALLOWED WITHOUT THE AIRPORT'S APPROVAL
7. FUEL DISPENSING LOCATION BY SEPERATE SUBMITTAL AND PERMIT - SUPPLIER TO PROVIDE COMPLETE DRAWINGS TO THE CITY OF SCOTTSDALE AIRPORT - NO PORTION OF THE WORK FOR THE FUELING SHALL BE ALLOWED WITHOUT THE AIRPORT'S APPROVAL (IN-GROUND POP-UP PUMPS W/ WEATHERPROOF LIDS)
8. TAXILANE CENTERLINE
9. LAXILANE SAFETY EASEMENT AREA - NO DROP-OFFS, OBJECTS EXCEEDING 3" IN HEIGHT OR VEGITAION ALLOWED IN THIS AREA. GRADE SLOPE DOES NOT EXCEED 5%. VERIFY EXISTING PAVING IS WEIGHT BEARING.
10. CITY OF SCOTTSDALE TRASH REFUSE ENCLOSURES, ACCESS SHALL NOT TRANSVERSE THE STAGING AREAS OR TAXILANE.
11. NEW DRIVEWAY PAVING - SEE CIVIL PLANS.
12. NEW LANDSCAPE AREA (ALL ROCK WITH THIS AREA SHALL BE GREATER THAN 2" IN DIAMETER) - SEE LANDSCAPE PLANS.

SEE SHEET A0.3 FOR FURTHER ANALYSIS AND AIRPORT REQUIRED NOTES

LEGAL DESCRIPTION

LOT 34, OF NORTH SCOTTSDALE AIRPARK UNIT 1, ACCORDING TO BOOK 327 OF MAPS, PAGE 12, AND CERTIFICATE OF CORRECTION RECORDED IN DOCUMENT NO. 94-268055, RECORDS OF MARICOPA COUNTY, ARIZONA.

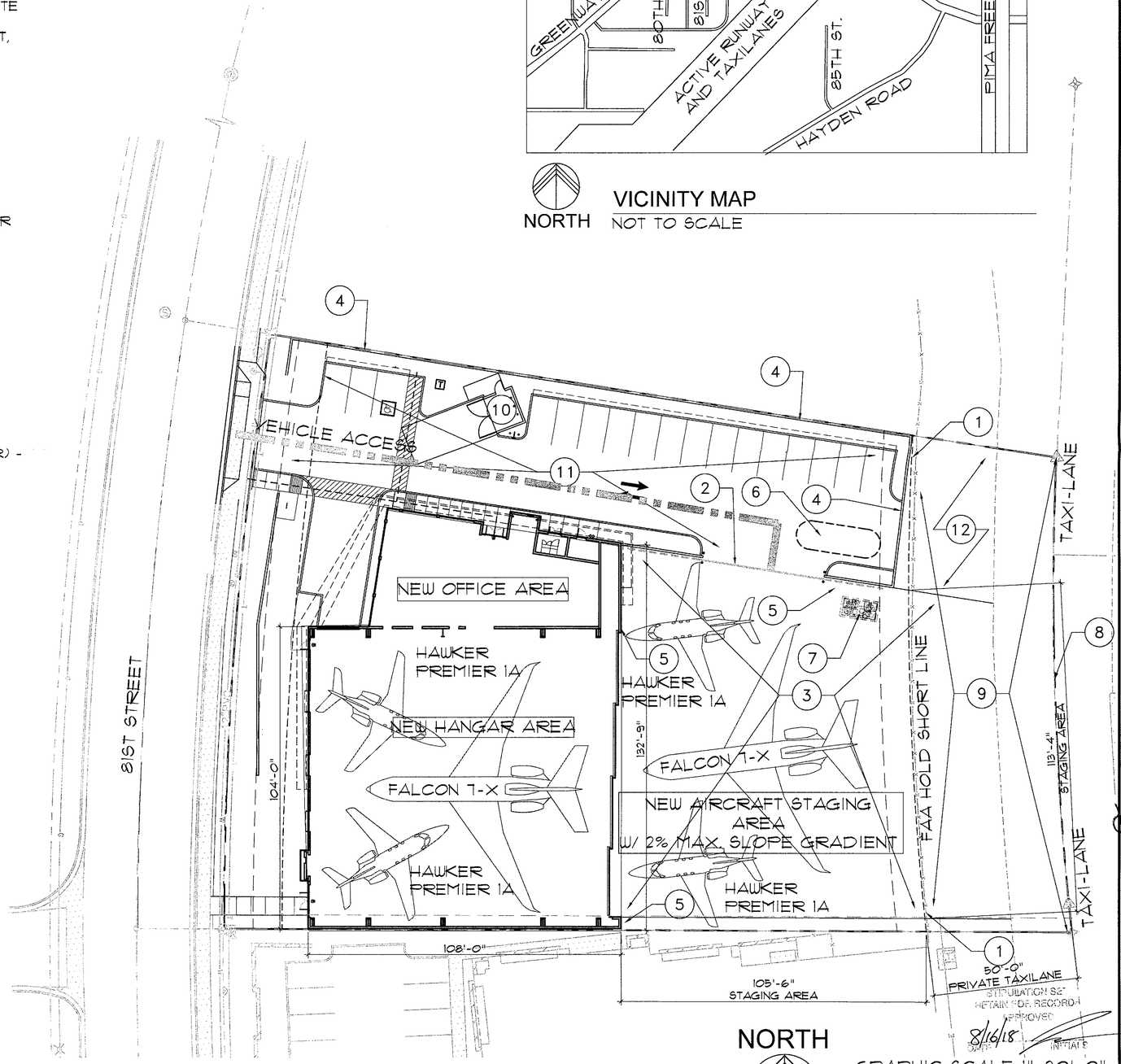
APN: 215-48-054



NORTH

VICINITY MAP

NOT TO SCALE



NORTH

GRAPHIC SCALE 1"=20'-0"

0 10' 20' 40' 80'

AIRPORT SITE PLAN

SCALE: 1"=20'-0"

49-DR-2017
06/20/18

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: AIRPORT SITE PLAN

REGISTERED ARCHITECT
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
Date Signed
Jun 14, 2018

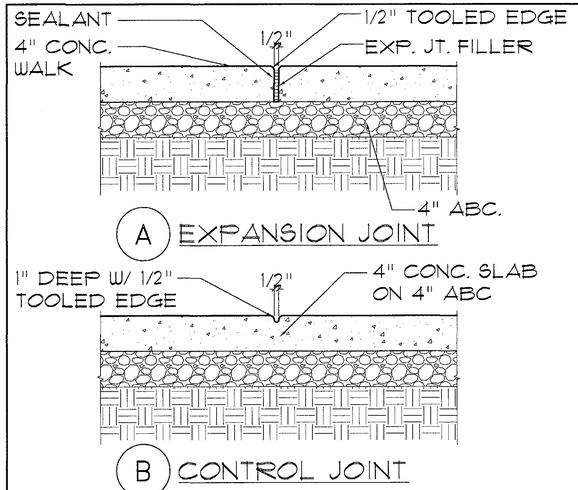
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 11-029

SHEET NUMBER: SP1.8

49-DR-2017



A EXPANSION JOINT

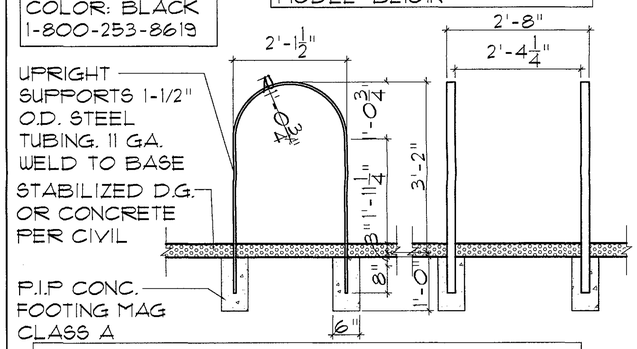
B CONTROL JOINT

1 EXPANSION/CONTROL JOINT

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

MANUF. WABASH VALLEY
MODEL: BL100N
COLOR: BLACK
1-800-253-8619

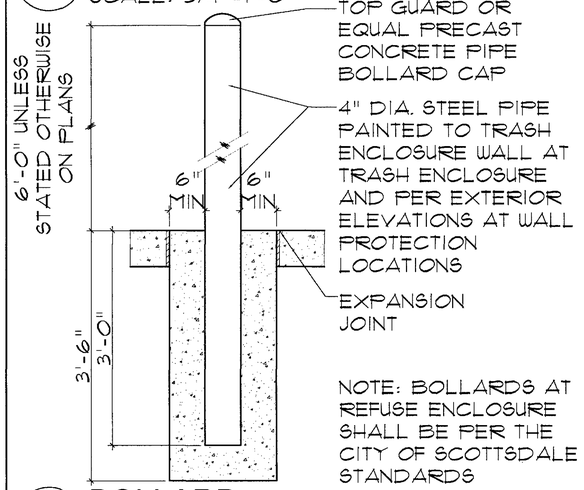
G.C. TO SUPPLY ARCHITECT COLOR SAMPLE PRIOR TO PURCHASE - G.C. MAY USE MODEL #BL10IN



INSTALL PER MANUFACTURERS SPECIFICATIONS.

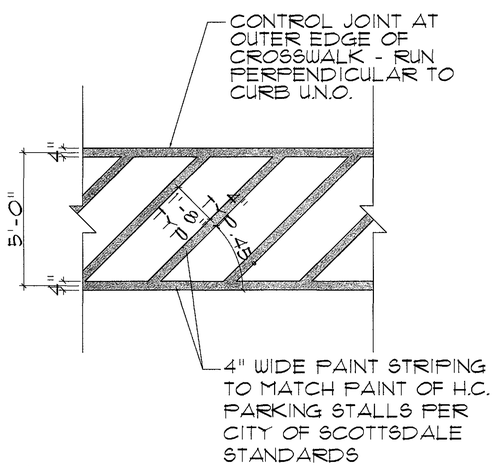
2 DOUBLE BICYCLE RACK

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



3 BOLLARD

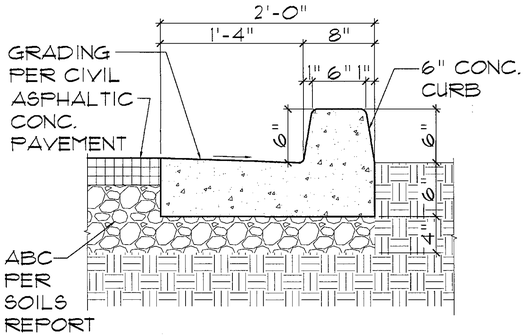
SCALE: 1"=1'-0"



4 CROSSWALK PAINTING

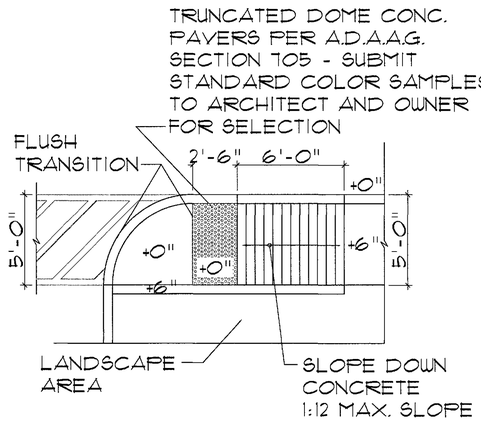
SCALE: 3/8"=1'-0"

REFERENCE DETAIL - FINAL DETAIL TO BE PER CIVIL PLANS



5 CURB AND GUTTER

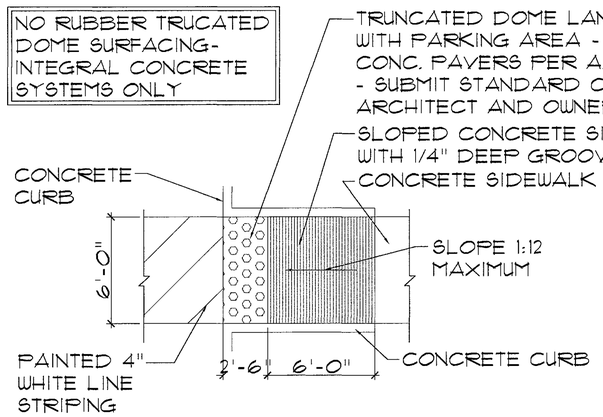
SCALE: 1-1/2"=1'-0"



6 ACCESSIBLE RAMP

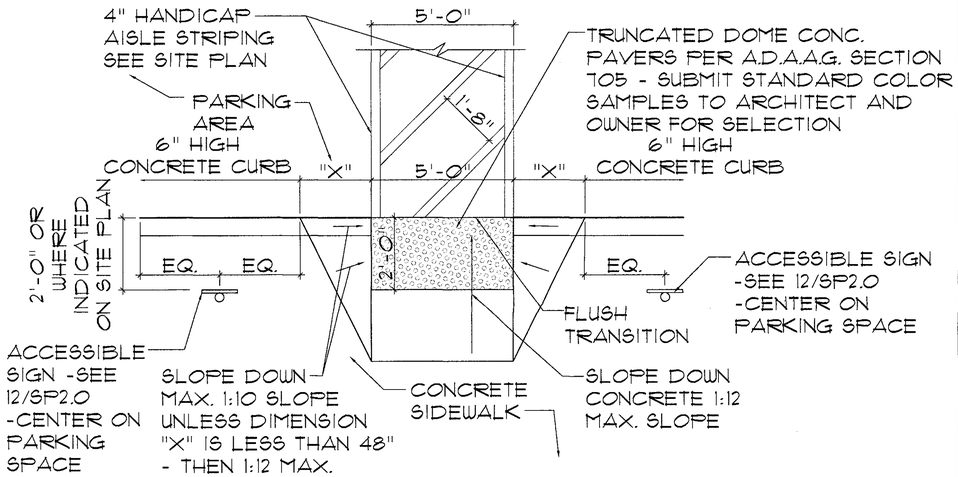
SCALE: 1/4"=1'-0"

NO RUBBER TRUCATED DOME SURFACING- INTEGRAL CONCRETE SYSTEMS ONLY



7 ACCESS RAMP

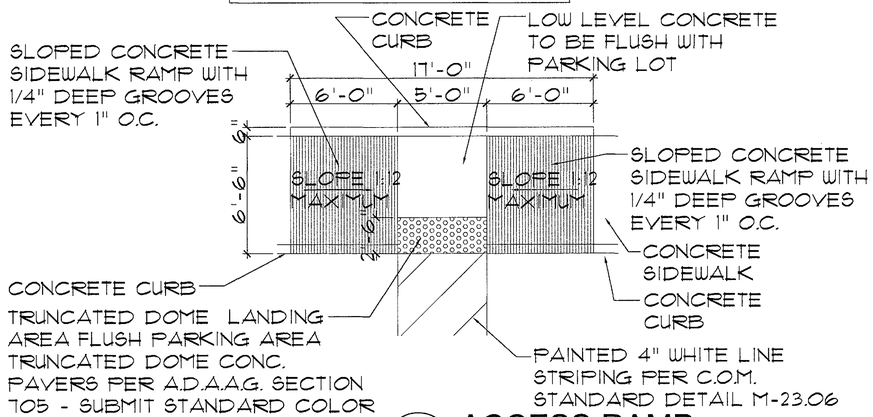
SCALE: 1/4"=1'-0"



8 ACCESS RAMP

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

NO RUBBER TRUNCATED DOME SURFACING- INTEGRAL CONCRETE SYSTEMS ONLY



9 ACCESS RAMP

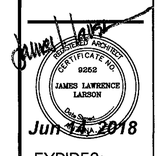
SCALE: 1/4"=1'-0"

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: SITE DETAILS



EXPIRES: 6/30/2021

DATE: 06-07-2018

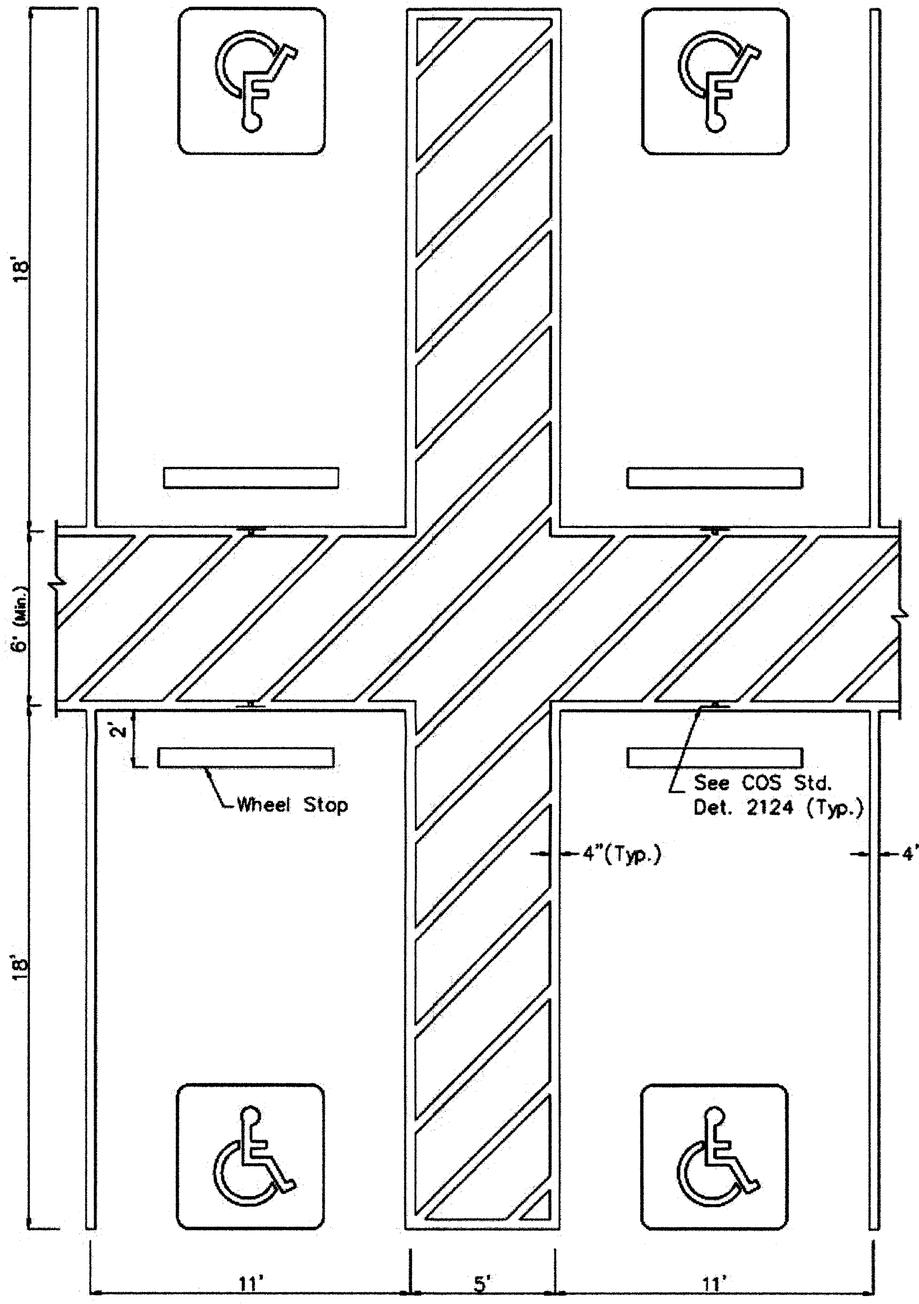
PROJECT NUMBER: 17-029

SHEET NUMBER: SP2.0

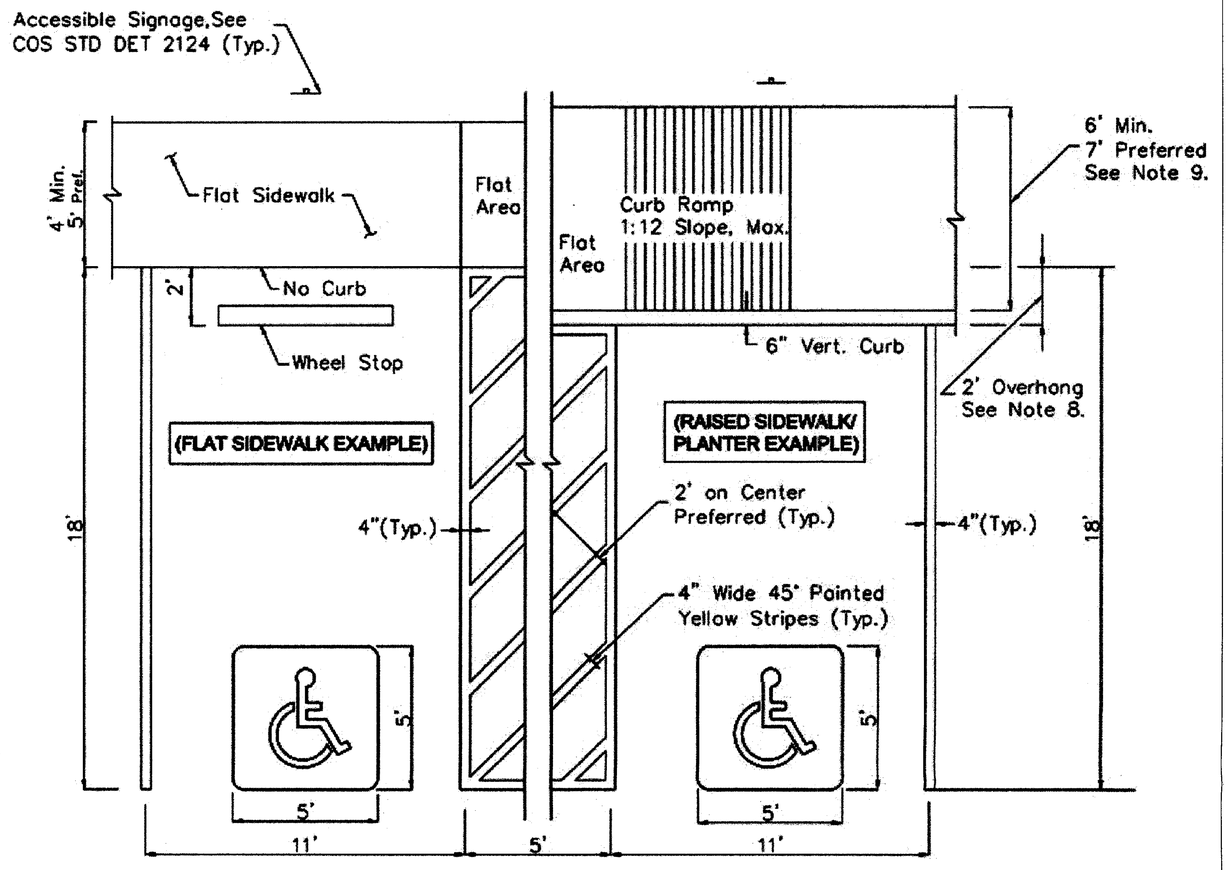
49-DR-2017

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FIGURE 12.1-2 PREFERRED ACCESSIBLE PARKING SPACE



SINGLE OR PAIRED BACK TO BACK ACCESSIBLE SPACES WITH ACCESS AISLE
NTS



SINGLE OR PAIRED SPACES WITH ACCESS AISLE
NTS

NOTES:

1. 5' Access Aisle Required
2. Accessible Spaces Must be Prominently Outlined in Colors or Materials Contrasting from Regular Parking Spaces.
3. 4" Outline Striping Required (Traffic Yellow Preferred)
   Access Aisle shall be Clearly Marked (Cross Hatching Stripes Spaced 2' on Center Preferred)
4. International Accessible Symbol Required Blue and Yellow Symbol Preferred Symbol can be Dsplayed Without Blue Background
5. 4% of the Required Parking Spaces Must be Accessible
6. Maximum Slope of Parking and Maneuvering Area is 1:50
7. When a Single Accessible Parking Space is Installed, the Space shall be a Van Accessible Space, and the Access Aisle shall be on the Passenger's Side.
8. The front length of the space may be in a curb or low planter of a maximum height of six (6) inches and a maximum depth of two (2) feet. See Revised City Code Appendix B, Article IX, Sec. 9.106.
9. If sidewalk is detached from curb a minimum of 3 1/2 feet, the width of sidewalk may be 4 feet min., 5 feet preferred. See Revised City Code Appendix B, Article IX, Sec. 9.106.

10 SCOTTSDALE ADA PARKING STALL DETAIL
SCALE: NOT TO SCALE

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16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: SITE DETAILS

CERTIFICATE NO. 9252 JAMES LAWRENCE LARSON Date Signed
Jun 14, 2018
EXPIRES: 6/30/2021

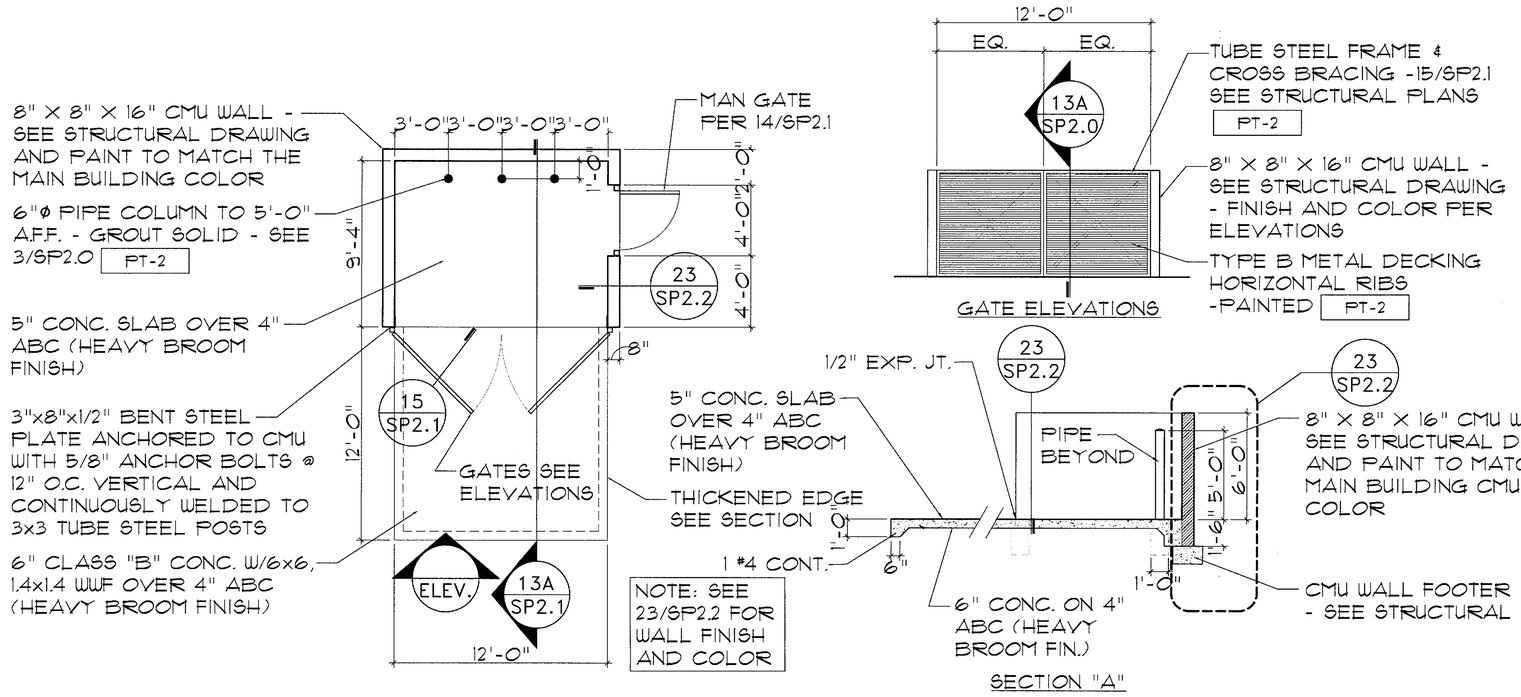
DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP2.1

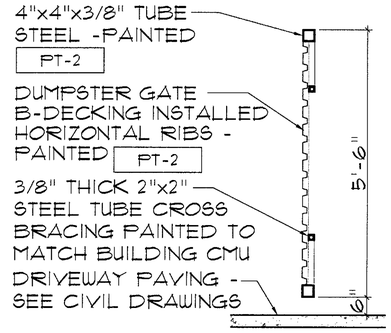
49-DR-2017

49-DR-2017



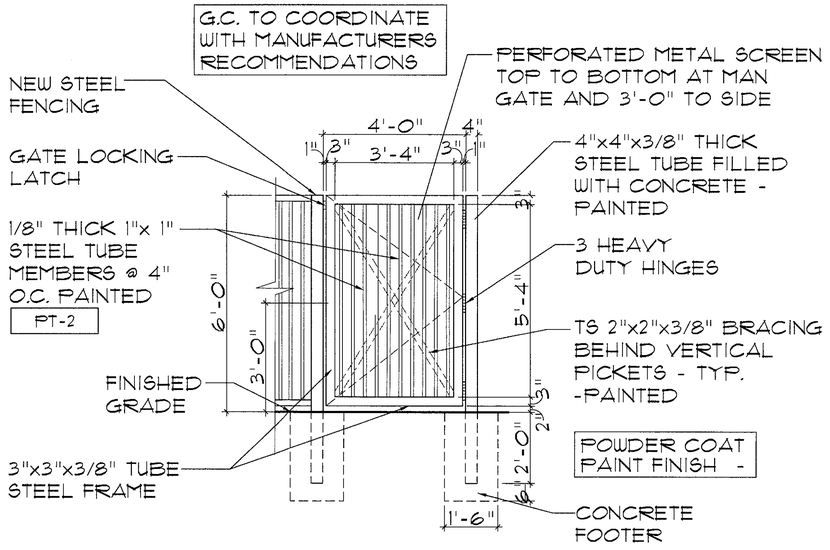
11 REFUSE ENCLOSURE DETAILS

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



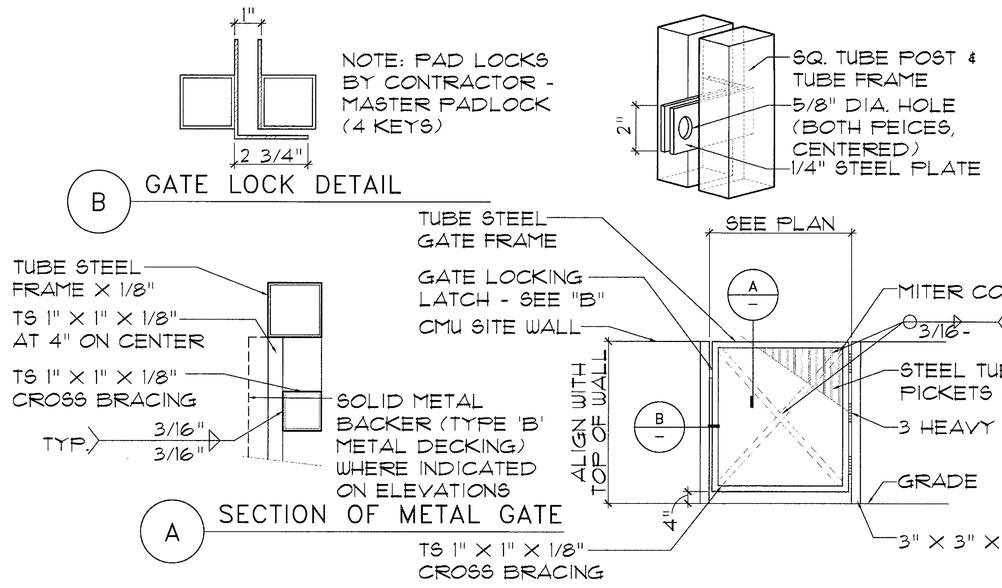
12 TRASH ENCLOSURE GATE SECTION

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



TYPICAL GATE ELEVATION

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



GATE DETAILS

SCALE: NOT TO SCALE

13 MAN GATE DETAILS

SCALE: NOT TO SCALE

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DRAWINGS NAME: SITE DETAILS

CERTIFICATE NO. 9252 JAMES LAWRENCE LARSON
Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

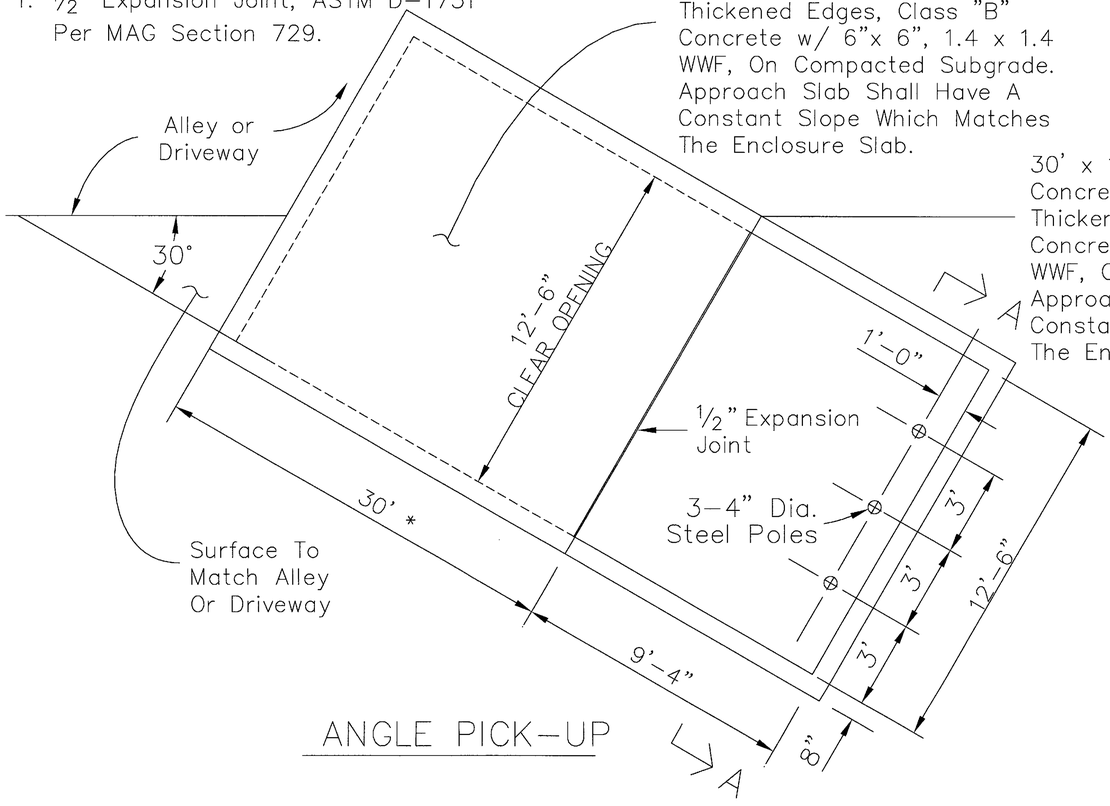
SHEET NUMBER: SP2.2

49-DR-2017

49-DR-2017

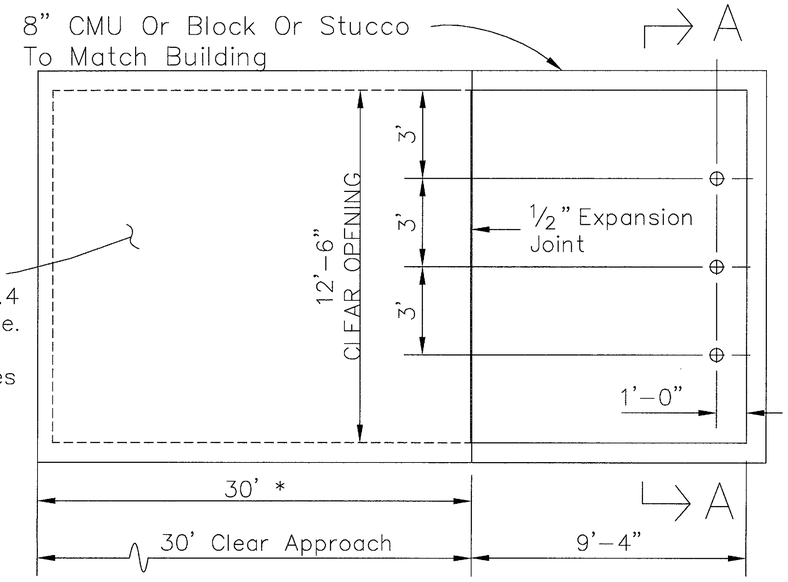
NOTE:

1. ½" Expansion Joint, ASTM D-1751 Per MAG Section 729.



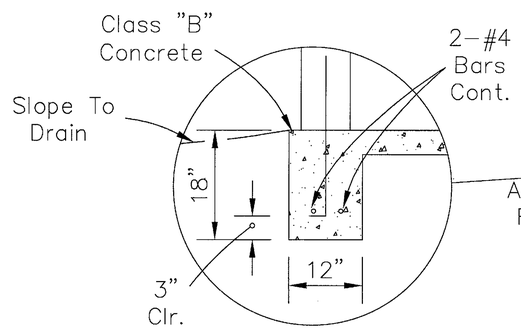
* In locations where a 30' approach slab is not possible, approval from the City of Scottsdale Quality Compliance Division is required.

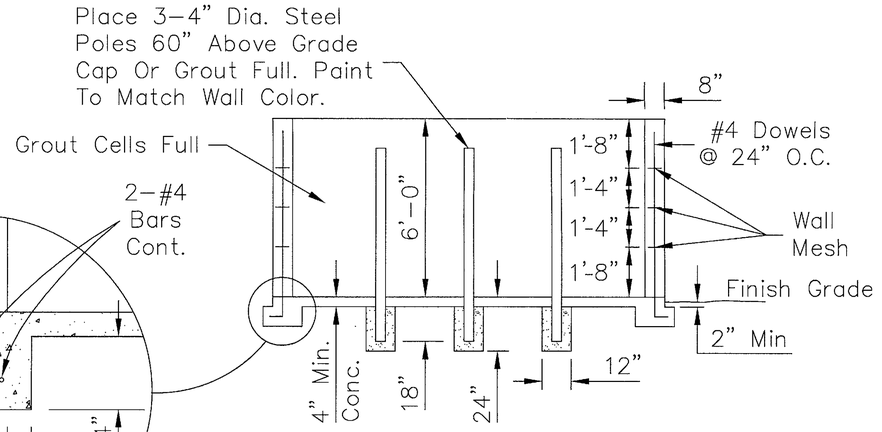
ANGLE PICK-UP



HEAD ON PICK-UP

APPROACH SLAB THICKENED EDGE DETAIL





SECTION A-A

DETAIL NO.		APPROVED BY:		DETAIL NO.
2146-1	City of Scottsdale Standard Details	Scottsdale Standards & Specifications Committee	REFUSE ENCLOSURE	2146-1

REVISED 5/9/02

14 CITY OF SCOTTSDALE STANDARD REFUSE ENCLOSURE DETAIL

SCALE: NOT TO SCALE

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APN: 215-48-054
DRAWINGS NAME: SITE DETAILS

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
June 14, 2018
EXPIRES: 6/30/2021

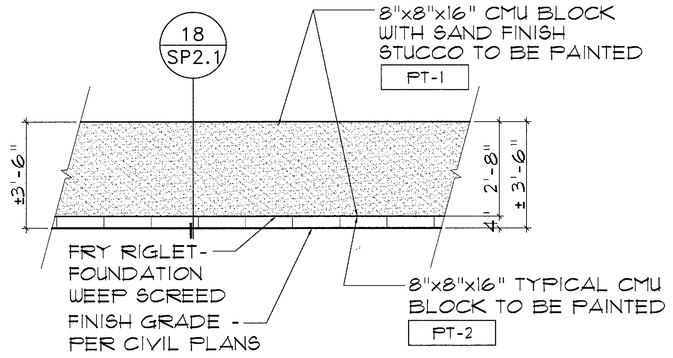
DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP2.3

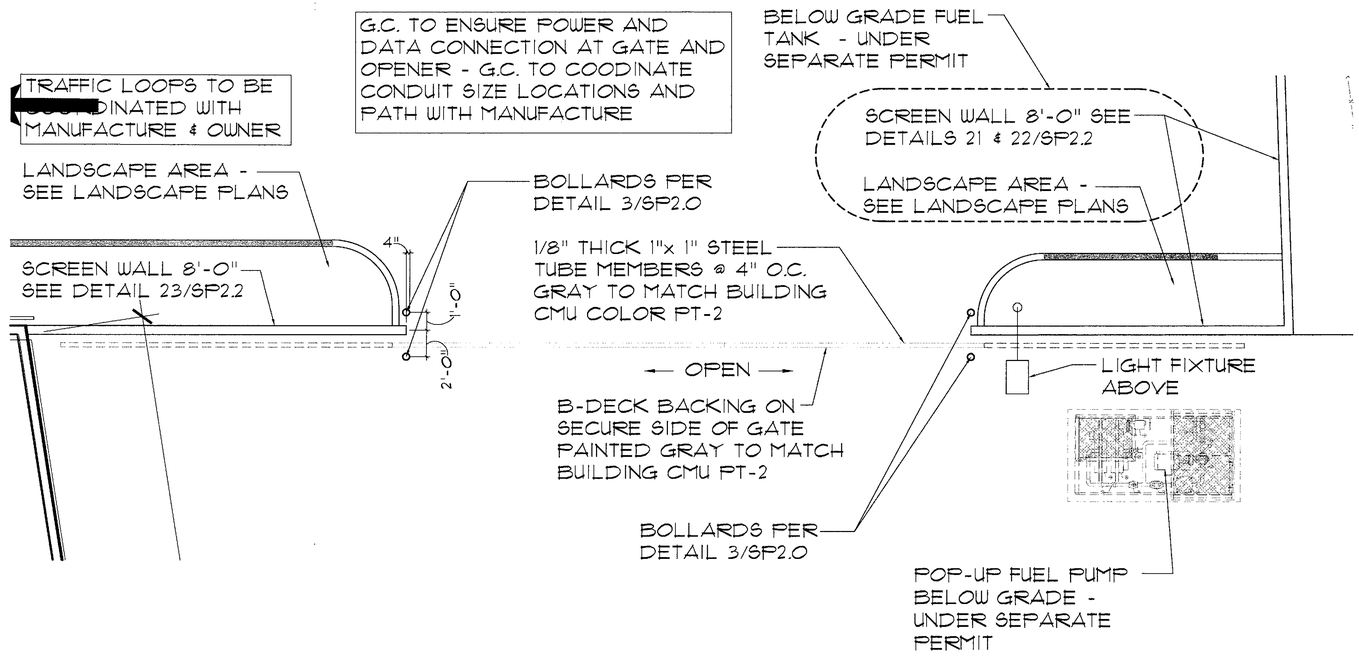
49-DR-2017

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15 SITE SCREEN WALL ELEVATION

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



17 SLIDE GATE ENLARGED PLAN

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

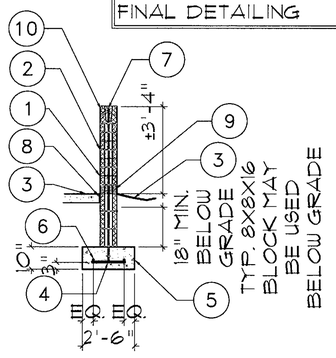
NOTES:

1. STANDARD WEIGHT JOINT LADDER REINFORCING #9 LONG. WIRES
2. 8X4X16 CMU MASONRY WALLS WITH #4 VERTS AT 8"O.C. GROUT CELLS SOLID FULL HEIGHT
3. 6" CONCRETE SLAB
4. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N. - ALTERNATE BENDS.
5. CONCRETE FOOTING
6. (2) #4 CONTINUOUS
7. #4 CONT. IN 8" DP. BOND BM.
8. EXPANSION JOINT - SEE NOTE ON MATERIAL ON DETAIL 13/SP2.1
9. PROVIDE 4" H. OPENING AT LOW POINTS WHERE SLAB SLOPES BACK INTO BIN RECEPTACLE - SPACE AT 10'-0" O.C.
10. SOLID CAP BLOCK

MINIMUM, APPROVED MATERIALS:	
CONCRETE	F'C = 2000 PSI
REINFORCING	FY = 40,000 PSI
CMU	F'M = 1350 PSI
MORTAR	ASTM TYPE S
GROUT	F'C = 2000 PSI
DUROWALL	F'Y = 80,000 PSI

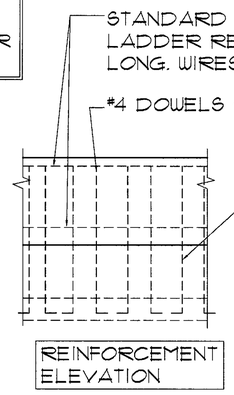
NOTE: ALL CELLS TO BE GROUTED SOLID FULL HEIGHT

NOTE: THIS IS FOR REFERENCE ONLY - SEE STRUCTURAL FOR FINAL DETAILING



16 SITE SCREEN WALL SECTION

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



REINFORCEMENT ELEVATION

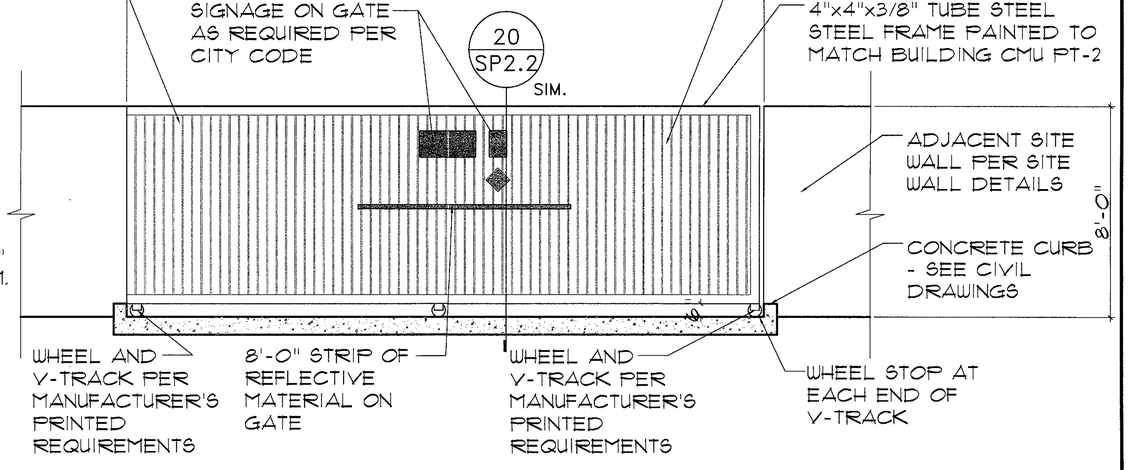
NOTE: PROVIDE PAD LOCK ON EXTERIOR SIDE OF GATE TO SECURE

B-DECK BACKING ON SECURE SIDE OF GATE PAINTED GRAY TO MATCH BUILDING CMU PT-2

DRIVE WIDTH - SEE SITE PLAN
GATE DIMENSION TO BE A MIN. 8" LONGER
FIELD VERIFY DIMENSIONS

NOTE: KNOX BOX ACCESS SYSTEM- COORD. w/ SCOTTSDALE FIRE DEPT.- APPLICATION CAN BE OBTAINED @ 4141 N. GRANITE REEF #100, (480) 627-6610-12

NOTE: PAINT GATE TO MATCH CMU WALLS - PT-2



16 SIDE GATE ELEVATION

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

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APN: 215-48-054
DRAWINGS NAME: SITE DETAILS

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
June 14, 2018

EXPIRES: 6/30/2021

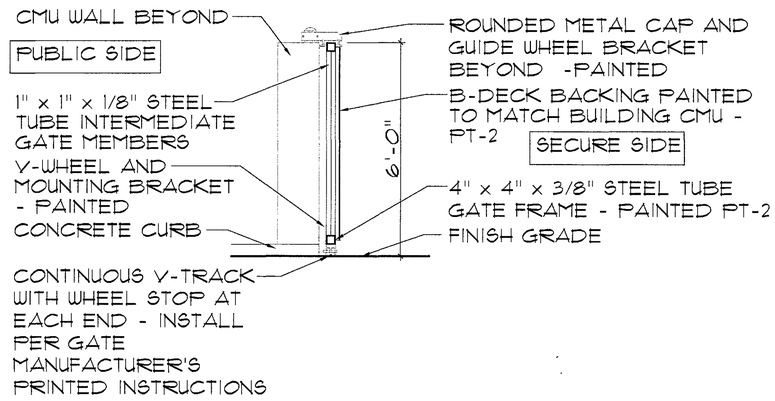
DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP2.4

49-DR-2017

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19 SIDE GATE SECTION

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

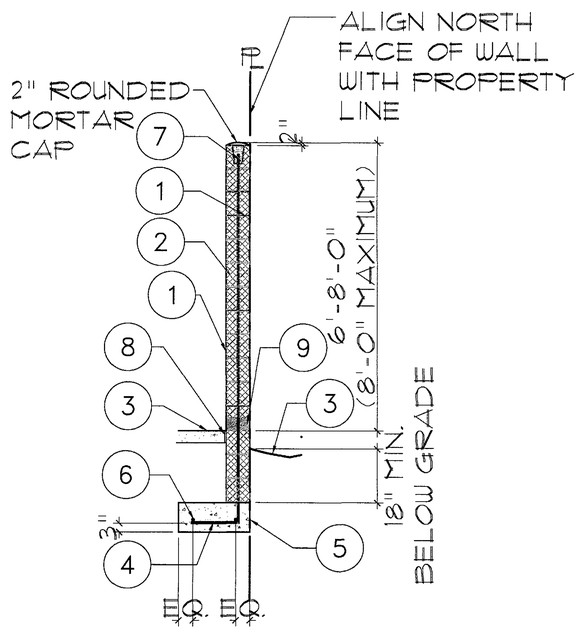
MINIMUM,
APPROVED MATERIALS:

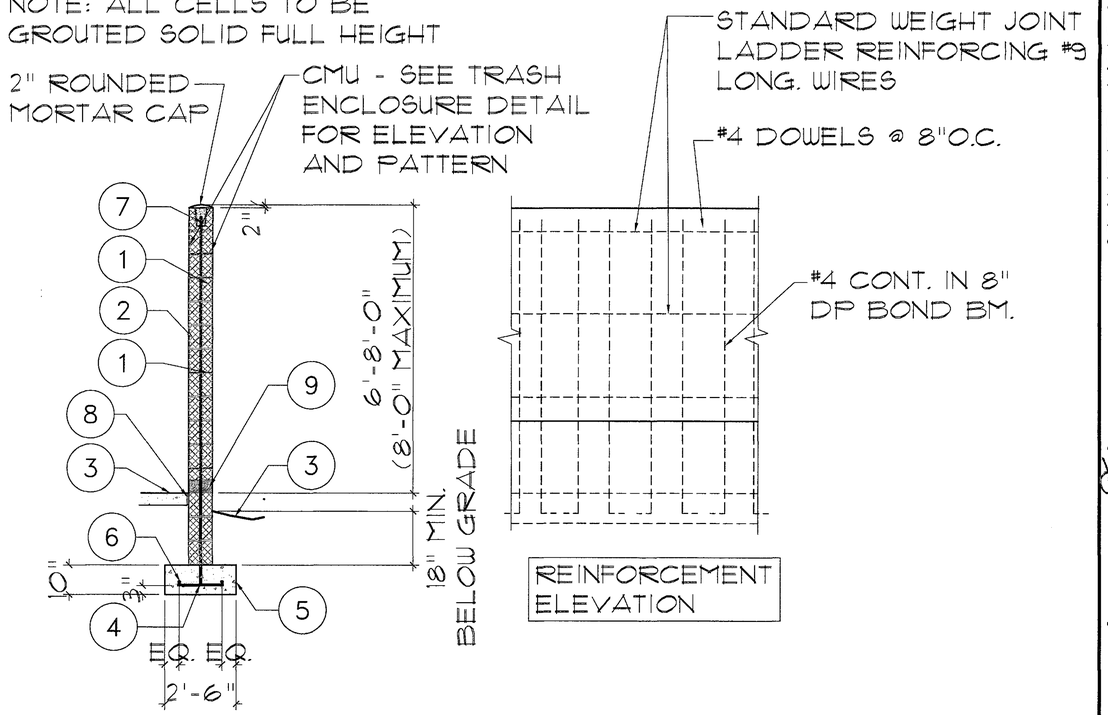
CONCRETE	F'C = 2000 PSI
REINFORCING	FY = 40,000 PSI
CMU	F'M = 1350 PSI
MORTAR	ASTM TYPE S
GROUT	F'C = 2000 PSI
DUROWALL	F'Y = 80,000 PSI

NOTES:

1. STANDARD WEIGHT JOINT LADDER REINFORCING #9 LONG. WIRES
2. 8X8X16 CMU MASONRY WALLS WITH #4 VERTS AT 8"O.C. GROUT CELLS SOLID FULL HEIGHT
3. 6" CONCRETE SLAB
4. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N. - ALTERNATE BENDS.
5. CONCRETE FOOTING
6. (2) #4 CONTINUOUS
7. #4 CONT. IN 8" DP. BOND BM.
8. EXPANSION JOINT - SEE NOTE ON MATERIAL ON DETAIL 13/SP2.1
9. PROVIDE 4" H. OPENING AT LOW POINTS WHERE SLAB SLOPES BACK INTO BIN RECEPTACLE - SPACE AT 10'-0" O.C.

NOTE: THIS IS FOR REFERENCE ONLY - SEE STRUCTURAL FOR FINAL DETAILING





20 6' TO 8' SITE WALL SECTION

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

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06/20/18

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: SITE DETAILS

JAMES LAWRENCE LARSON
ARIZONA REGISTERED ARCHITECT
CERTIFICATE NO. 9262
June 27, 2018

EXPIRES: 6/30/2021

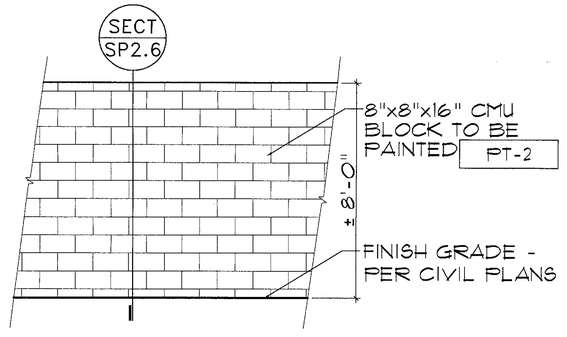
DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP2.5

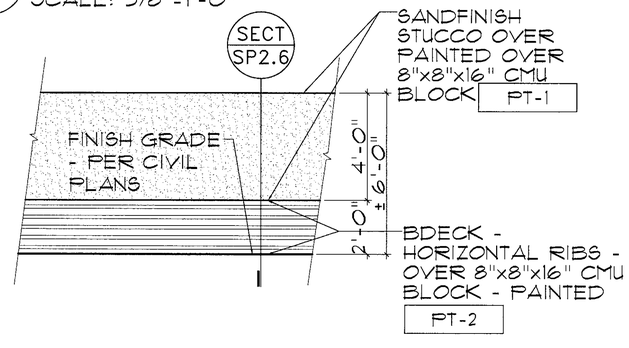
49-DR-2017

49-DR-2017



21 SITE SCREEN WALL ELEVATION

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



22 DUMPSTER SCREEN WALL ELEVATION

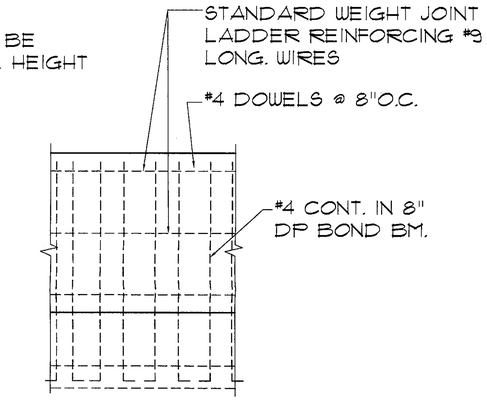
SCALE: 3/8"=1'-0"

MINIMUM, APPROVED MATERIALS:	
CONCRETE	F'C = 2000 PSI
REINFORCING	FY = 40,000 PSI
CMU	F'M = 1350 PSI
MORTAR	ASTM TYPE S
GROUT	F'C = 2000 PSI
DUROWALL	F'Y = 80,000 PSI

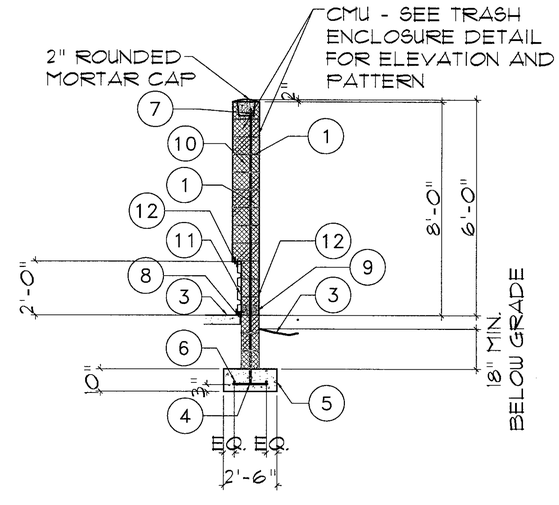
NOTES:

1. STANDARD WEIGHT JOINT LADDER REINFORCING #9 LONG. WIRES
2. 8X8X16 CMU MASONRY WALLS WITH #4 VERTS AT 8"O.C. GROUT CELLS SOLID FULL HEIGHT
3. 6" CONCRETE SLAB
4. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N. - ALTERNATE BENDS.
5. CONCRETE FOOTING
6. (2) #4 CONTINUOUS
7. #4 CONT. IN 8" DP. BOND BM.
8. EXPANSION JOINT - SEE NOTE ON MATERIAL ON DETAIL 13/SP2.1
9. PROVIDE 4" H. OPENING AT LOW POINTS WHERE SLAB SLOPES BACK INTO BIN RECEPTACLE - SPACE AT 10'-0" O.C. - B-DECK TO BOX AROUND OPENINGS
10. 12X8X16 CMU MASONRY WALLS WITH #4 VERTS AT 8"O.C. GROUT CELLS SOLID FULL HEIGHT
11. BDECK PANEL PAINTED PT-2
12. ANGLE IRON PAINTED PT-2

NOTE: ALL CELLS TO BE GROUTED SOLID FULL HEIGHT



REINFORCEMENT ELEVATION



23 DUMPSTER SCREEN WALL SECTION

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

49-DR-2017
06/20/18

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: SITE DETAILS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9262
REGISTERED ARCHITECT
Jun 14, 2018
EXPIRES: 6/30/2021

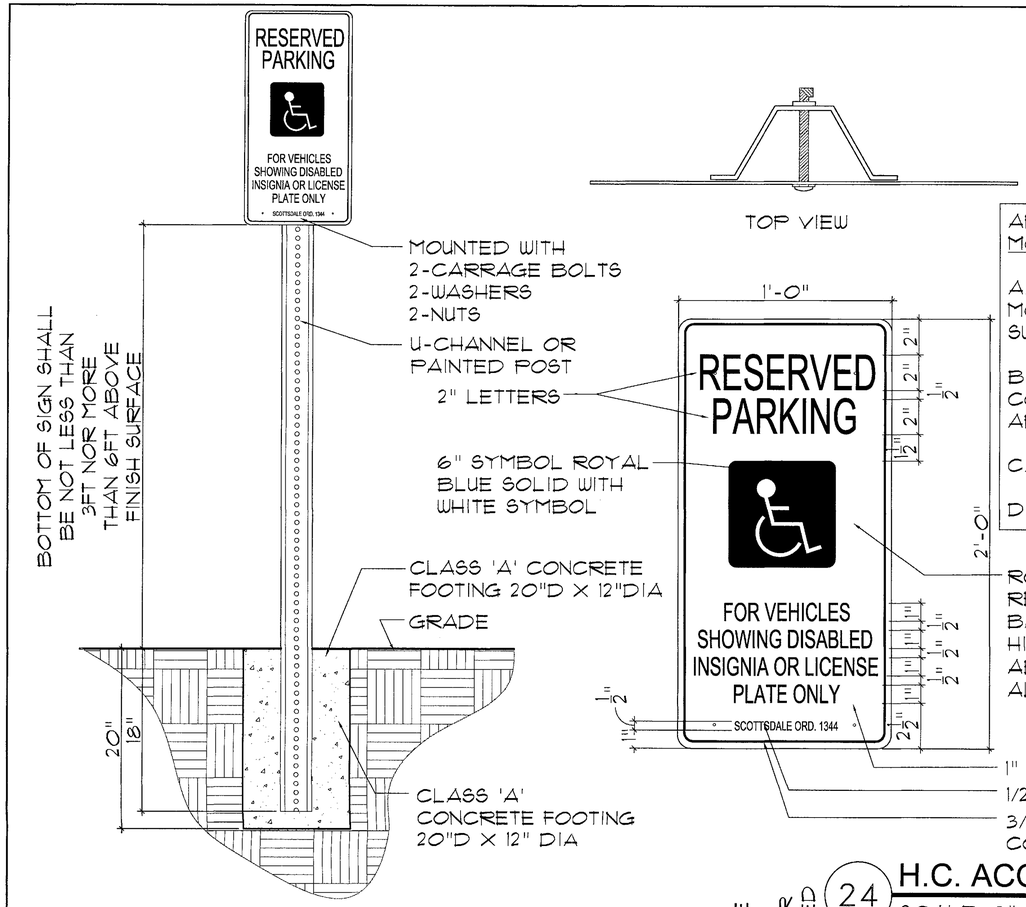
DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP2.6

49-DR-2017

49-DR-2017



TOP VIEW

APPROVED CITY OF SCOTTSDALE
MOUNTING OPTIONS (SEE PLANS)

A) FLEXIBLE P.E. POST WITH SURFACE MOUNT BASE - EPOXY TO PAVEMENT SURFACE

B) PERFORATED GALVANIZED TUBING PER COS DETAIL 2131. INSTALL IN LANDSCAPE AREAS ONLY.

C) SURFACE MOUNT TO STRUCTURE

D) MOUNT AS DETAILED ON PLANS

ROYAL BLUE LETTERS ON WHITE REFLECTORIZED BACKGROUND (TYP.)
BACKGROUND: SUPER ENGINEER GRADE OR HIGH INTENSITY SHEETING COPY: SAME AS ABOVE SUBSTRATE: 0.080 GAUGE TREATED ALUMINUM

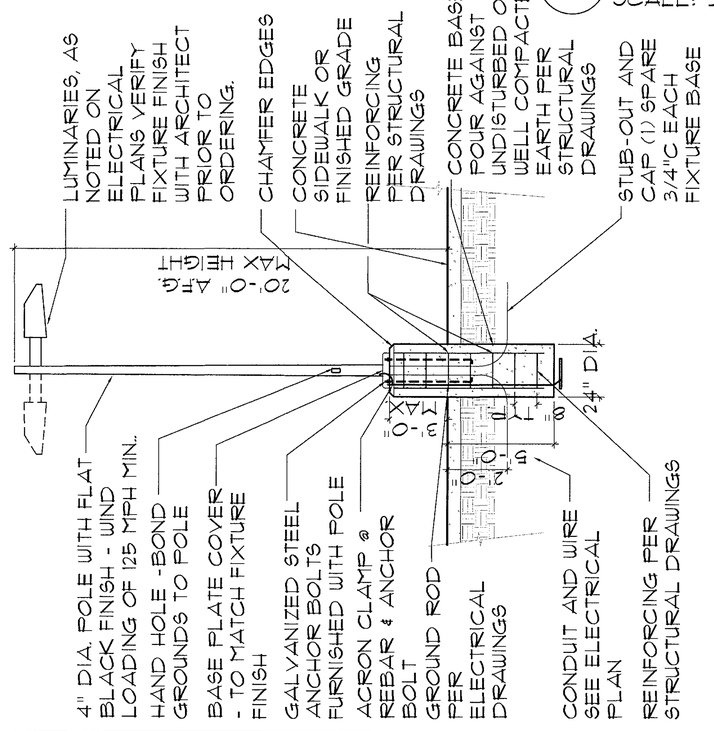
1" LETTERS
1/2" LETTERS
3/8" WIDE GREEN COLOR BAND

NOTE: LETTERING SHALL BE FHWA SERIES "B" ALPHABET

ONE SIGN AT EACH ACCESSIBLE PARKING STALL

24 H.C. ACCESSIBLE SIGN

SCALE: 3"=1'-0"



NOTE: PROVIDE REINFORCING AND FOOTING DEPTH PER THE STRUCTURAL DRAWINGS

NOTE: E.P.A. RATING AND SOIL CONDITIONS SHALL BE COORDINATED WITH POLE AND FIXTURE ASSEMBLY

NOTE: BONDING CONDUCTOR PER ELECTRICAL DRAWINGS

NOTE: SEE STRUCTURAL DRAWINGS FOR CALCS. AND DETAILS

NOTE: POLE FINISH TO BE "FLAT BLACK"

SEE ELECTRICAL AND STRUCTURAL DRAWINGS ALSO

25 SITE LIGHT POLE - FIXTURE SA & SB

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

ACCESSIBLE NOTES

1. ACCESSIBLE ENTRANCES TO THE BLDG. SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

2. EXTERIOR EXITS WHICH ARE LOCATED ADJACENT TO ACCESSIBLE AREAS & WITHIN 6' OF ADJACENT GROUND LEVEL SHALL BE ACCESSIBLE.

3. ACCESSIBLE RAMPS REQ. BY ANSI A117.1 SHALL NOT HAVE SLOPES WHICH EXCEED 1 FT. IN 12 FEET.

4. THE SURFACE OR RAMPS & GROUND SURFACES SHALL BE ROUGHENED OR SHALL BE OF SLIP RESISTANT MATERIALS.

5. AN ACCESSIBLE ROUTE SHALL OF TRAVEL 3FT WIDE MIN. MUST BE PROVIDED TO ALL PORTIONS OF THE BLDG. BETWEEN THE BLDG. & THE PUBLIC WAY. ACCESSIBLE ROUTE SHALL HAVE A MAXIMUM SLOPE OF 1:20 AND A MAXIMUM CROSS SLOPE OF 1:50

6. THRESHOLD MUST BE 1/2" IN HEIGHT OR LESS

7. THE PRIMARY ENTRANCE TO THE BLDG. MUST BE ACCESSIBLE ALL OTHER REQUIRED ENTRANCES TO THE BLDG. MUST BE ACCESSIBLE

8. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A SLOPE NOT EXCEEDING 1:50

9. ALL ACCESSIBLE PARKING SPACES SHALL BE OUTLINED ON ALL FOUR SIDES, HAVE A CONTRASTING COLOR AND THE INTERNATIONAL WHEELCHAIR SYMBOL ON THE GROUND WITHIN THE SPACE.

10. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A SIGN (MINIMUM 5 FT. ABOVE FIN. GRADE IN FRONT OF THE SPACE) WHICH INCLUDES THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

11. SIGNS DESIGNATING PERMANENT ROOMS AND SPACES SHALL MEET ACCESSIBILITY REQUIREMENTS.

12. ALL ELECTRICAL RECEPTACLES AND CONTROLS SHALL BE 18" MINIMUM & 48" MAXIMUM ABOVE FINISH FLOOR

13. ALL ALARMS SHALL BE AUDIBLE & VISUAL AND MEET ACCESSIBILITY REQUIREMENTS.

14. ACCESSIBLE ROUTE SHALL BE WITHOUT STEPS OR CHANGES IN LEVELS GREATER THAN 1/2" WITHOUT AN APPROVED RAMP.

ACCESSIBLE ROUTES SHALL SERVE AS EXITS OR CONNECT TO AREAS OF RESCUE ASSISTANCE

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DRAWINGS NAME: SITE DETAILS



EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP2.7

49-DR-2017
06/20/18

49-DR-2017

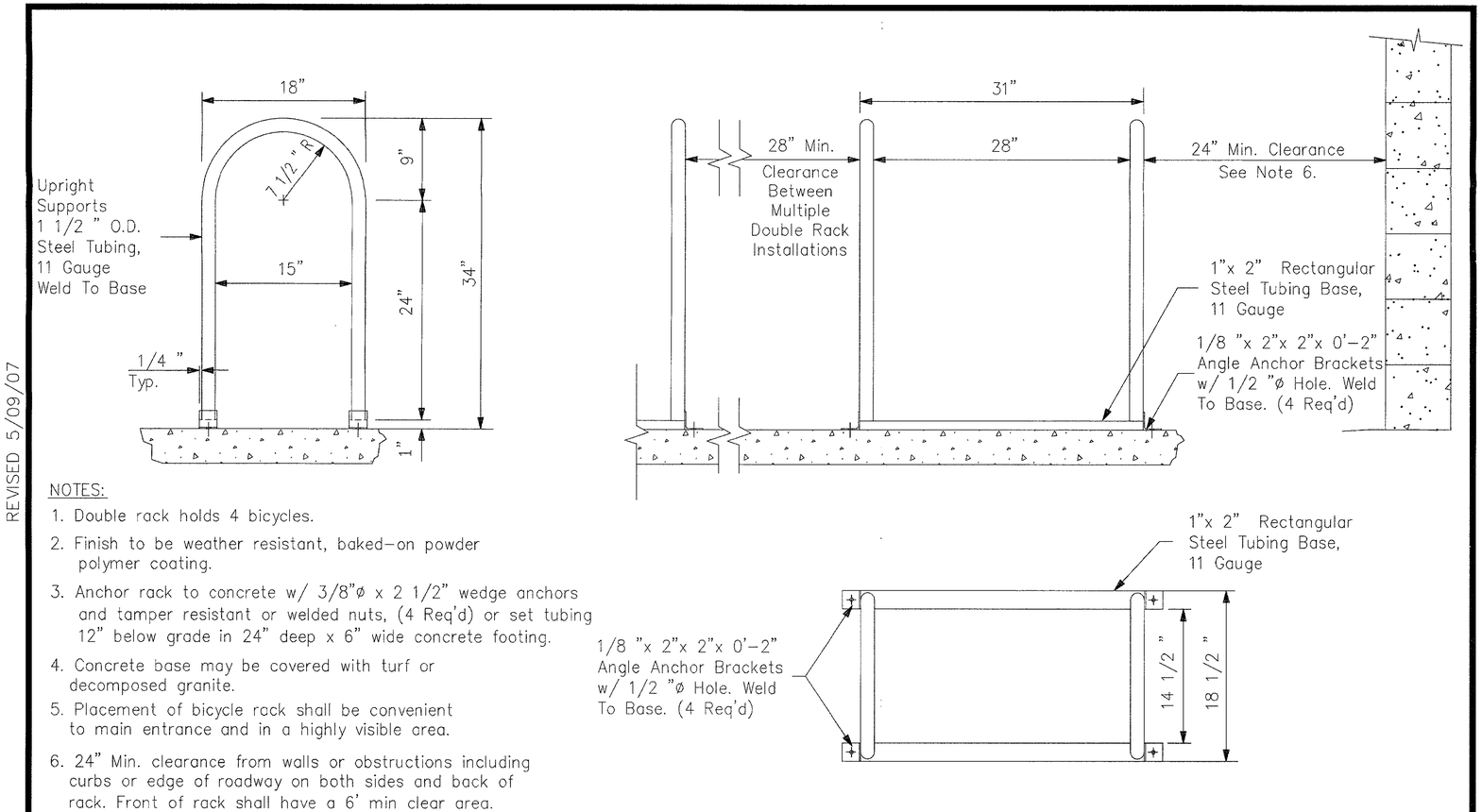
49-DR-2017

FINISH LEGEND

MATERIALS	MANUF.	MODEL	COLOR	NOTES
PT-1	DUNN EDWARDS	DE 6393 - FLAT	MOUNTAIN AIR	EXTERIOR PAINT; LRV = 70; FIELD COLOR INTERIOR = FLAT FINISH
PT-2	DUNN EDWARDS	DE 6385 - FLAT	BLACK BEAN	EXTERIOR PAINT; LRV = 7; FIELD COLOR INTERIOR = FLAT FINISH
WINDOW FRAMES	OLD CASTLE	-	CLEAR ANODIZED	OFFSET 2x6 FRAMES UNLESS NOTED OTHERWISE
UPPER EXTERIOR GLASS	GUARDIAN GLASS	GRAY 1" LOW "E"	GRAY	1" INSULATED STANDARD (TWO 1/4" PANES WITH 1/2" INSULATION GAP
LOWER EXTERIOR GLASS	GUARDIAN GLASS	MIDNIGHT 1" LOW "E"	DARK GRAY	1" INSULATED STANDARD (TWO 1/4" PANES WITH 1/2" INSULATION GAP
CONCRETE TILT SLAB	-	-	-	-
FCP-1 FIBER CONCRETE PANEL	EQUITONE	LINEA	LT20	OFFICE BUILDING ONLY
FCP-2 FIBER CONCRETE PANEL	EQUITONE	TECTIVA	TE10	OFFICE BUILDING ONLY
FCP-3 FIBER CONCRETE PANEL	EQUITONE	NATURA	NO73	OFFICE BUILDING ONLY
B-DECK	-	-	-	-

26 FINISH LEGEND

SCALE: NOT TO SCALE



NOTES:

1. Double rack holds 4 bicycles.
2. Finish to be weather resistant, baked-on powder polymer coating.
3. Anchor rack to concrete w/ 3/8"ø x 2 1/2" wedge anchors and tamper resistant or welded nuts, (4 Req'd) or set tubing 12" below grade in 24" deep x 6" wide concrete footing.
4. Concrete base may be covered with turf or decomposed granite.
5. Placement of bicycle rack shall be convenient to main entrance and in a highly visible area.
6. 24" Min. clearance from walls or obstructions including curbs or edge of roadway on both sides and back of rack. Front of rack shall have a 6' min clear area.

DETAIL NO. 2285	City of Scottsdale Standard Details	APPROVED BY: Scottsdale Standards & Specifications Committee	DOUBLE BICYCLE RACK	DETAIL NO. 2285

27 DOUBLE BIKE RACK - C.O.S. STANDARD

SCALE: NOT TO SCALE

REVISED 5/09/07

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DRAWINGS NAME: SITE DETAILS

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
June 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP2.8

49-DR-2017
06/20/18

49-DR-2017

49-DR-2017



NOTES:

1. At the beginning and end of the fire lane, the sign shall have a single headed arrow pointing in the direction the regulation is in effect. The intermediate signs shall have double headed arrows pointing in both directions.

2. The maximum spacing of the signs shall be 100', contingent upon Traffic Engineering's review and approval.

3. The signs shall be set at an angle of not less than 30° nor more than 45° with the curb or line of traffic flow

4. The clearance to the bottom of the sign shall be 7 feet. There shall be no other signs attached to the sign or the sign pole.

5. The sign substrate shall be a minimum of 12'' x 18'' treated aluminum with a thickness of 0.080".

6. The sign face shall have a white, ASTM Type IV reflective background with a red screen printed or translucent acrylic EC overlay film reflective legend. Use the standard sign face number R7-32 or equivalent incorporating additional information to complete the sign as shown.

DETAIL NO. 2365	City of Scottsdale Standard Details	APPROVED BY: Scottsdale Standards & Specifications Committee	FIRE LANE SIGN	DETAIL NO. 2365

REVISED 4/15/09

28 FIRE LANE SIGN - C.O.S. STANDARD

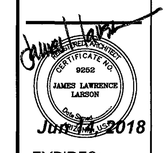
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

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17-029

SHEET NUMBER:
SP2.9

49-DR-2017

49-DR-2017

2-1.800

ON-SITE CIRCULATION & PARKING AREA DESIGN

The following guidelines focus on general and specific techniques to assure safe access, emergency access, and community benefits.

2-1.801

MAJOR DRIVEWAYS

Major driveways provide direct access from the street and into a parking lot with more than fifty (50) spaces, and/or provide the driveway access across the front of a retail center. Such driveways should:

1. Be a minimum width of thirty (30) feet from face-of-curb to face-of-curb;
2. Prohibit designated customer loading areas that are utilized for landscaping, construction materials, and major appliances, etc., departments of retail stores, as well as loading areas used for general business activity;
3. Provide adequate vehicle stacking distances where they access public streets, and do not allow direct parking aisle access in close proximity to the street intersection;
4. Provide adequate site area that will allow fire equipment vehicles to turn-around. Refer to Section 2-1.802;
5. Be located in coordination with adjacent bus stop locations, when appropriate (see Section 5-6.000) and have level landing, that is a minimum of four (4) feet wide, immediately behind the driveway, in order to allow for pedestrian mobility.

2-1.802

EMERGENCY ACCESS AND FIRE LANES

For specific Fire Department requirements, including a Fire Plan Review checklist, see www.ScottsdaleAZ.gov/bldgresources/forms. After reviewing the plan for the proposed development, the Fire Department will determine the code required fire apparatus access. See the International Fire Code Chapter 5 and Appendix D for guidance. For complete Fire Code related issues, see Chapter 11.

A. Emergency Access Provisions

Fire apparatus access may be provided from public access ways, approved private streets, residential driveways and/or on-site fire lanes. For additional requirements for public access ways, private streets and residential driveways see Section 5-3.000.

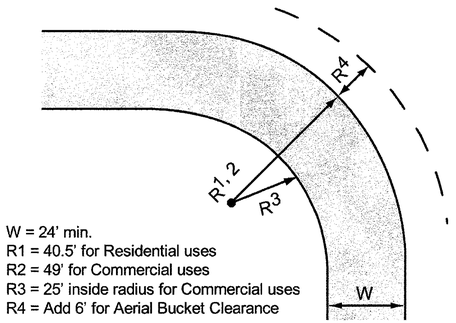
B. Fire Lanes

On-site access (Fire Lanes) for fire fighting and emergency vehicle use may be required in addition to the planned public access ways so an emergency vehicle can reach the interior of the development when normal access is blocked. For example, an additional access way may be required due to the number of structures, the square footage of structures, topography (grade), and/or washes and flood plains. See the International Fire Code Appendix D for guidance. Emergency access ways shall be secured by an easement. If any emergency access route is intended to be closed and locked, any lock placed on an emergency access gate must be approved by the Fire Department. See COS Standard Detail 2364 for construction and identification of emergency access ways. See Figure 2.1-4 for minimum requirements for gated entrances for residential development.

The following criteria for the lanes shall apply:

1. Fire lane signage must comply with COS Standard Details, Series 2300.
2. The minimum width of a two-way fire lane is 24 feet. One-way lanes, such as divided entrances and drive thru by-pass lanes shall be 20; wide. For project specific information, contact Fire Plan Review. 480-312-7080. See International Fire Code Sections 503.2.1 and 503.2.2 for other lane width requirements.

3. The fire lane surface shall be suitable for all-weather use, with a minimum loading design of 83,000 lb. gross vehicle weight. Where not co-located with vehicular service or access lanes, surfaces other than asphalt such as concrete, paver stones, "grasscrete" and stabilized and compacted crushed granite should be considered.
4. The minimum vertical clearance for the passage of fire department apparatus is 13 feet 6 inches.
5. The minimum outside edge radius of the lane on a turn is 49 feet, with 55 feet outside radius required for aerial bucket clearance for commercial and multi-family uses. ASSHTO engineered elliptical radius design may be approved in certain circumstances where there are no barriers over 6 feet in height on the outer aerial bucket radius R3- for project specific information, contact Fire Plan Review 480-312-7080. 40.5 feet is the minimum for other residential uses.See Figure 2.1-1 below.



W = 24' min.
R1 = 40.5' for Residential uses
R2 = 49' for Commercial uses
R3 = 25' inside radius for Commercial uses
R4 = Add 6' for Aerial Bucket Clearance

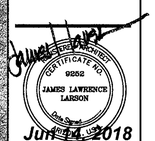
FIGURE 2.1-1 FIRE LANE DIMENSIONS

6. Fire lanes must be posted in accordance with the COS Standard Detail 2365.
7. See Figure 2.1-2 for on-site fire access turnarounds for commercial and residential developments.
8. Provide a turn-around for emergency vehicles at the end of a dead-end parking aisle designated for emergency access (fire lane) if it exceeds 300 feet in length for fire sprinklered structures, 150 feet in length for non-sprinklered structures, as shown by the T-Types in Figure 2.1-2.

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DRAWING NAME: SITE DETAILS



Jun 14, 2018

EXPIRES:
6/30/2021

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NUMBER:
17-029

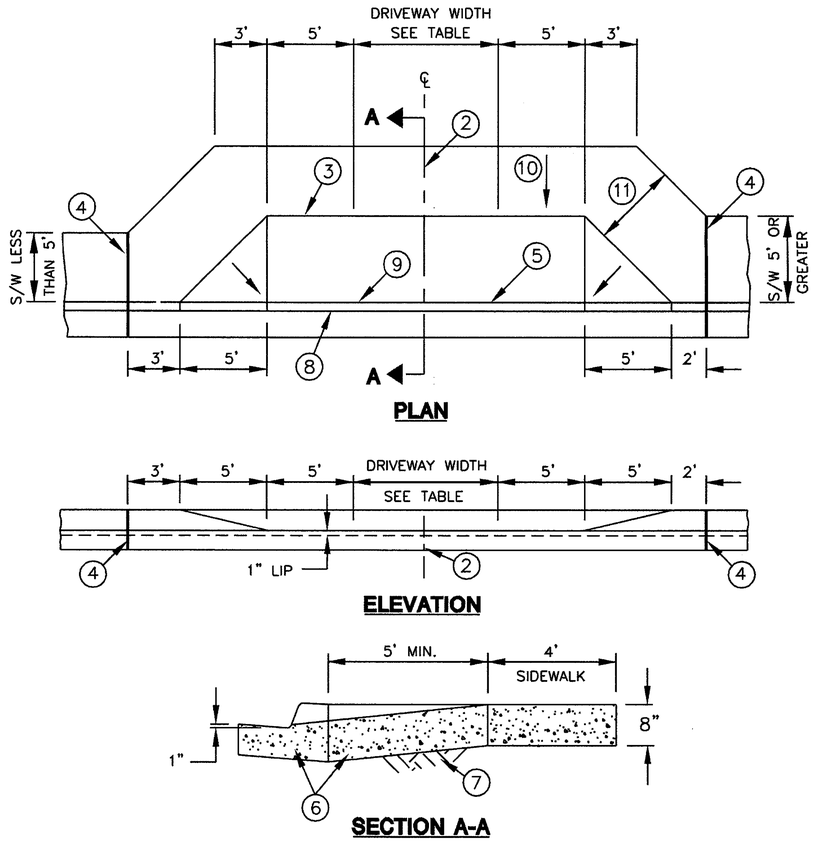
SHEET
NUMBER:
SP2.10

49-DR-2017

29 ON-SITE VEHICLE DRIVE REQUIREMENTS
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

49-DR-2017



REVISED 5/10/05

NOTES

1 DEPRESSED CURB SHALL BE PAID FOR AT THE UNIT PRICE BID FOR THE TYPE OF CURB USED AT THAT LOCATION.

2 CONTRACTION JOINT ON DRIVEWAY CENTERLINE.

3 BACK OF DRIVEWAY ENTRANCE – CONSTRUCTION JOINT OR SCORE MARK.

4 MASTIC EXPANSION JOINT THROUGH CURB AND GUTTER. EXPANSION JOINT FILLER SHALL BE 1/2" BITUMINOUS TYPE PREFORMED EXPANSION JOINT FILLER A.S.T.M. D-1751.

5 BACK OF CURB – CONSTRUCTION JOINT OR SCORE MARK.

6 CLASS 'B' CONCRETE, MAG SECTION 725.

7 SUBGRADE PREPARATION, MAG SECTION 301.

8 FLOW LINE OF GUTTER.

9 DEPRESSED CURB.

10 2% MAXIMUM CROSS SLOPE. 1.5% MINIMUM CROSS SLOPE

11 CONCRETE SIDEWALK PER MAG DETAIL 230, MODIFIED. THICKNESS = 8"

COMMERCIAL & INDUSTRIAL			
DRIVEWAY WIDTH	MIN.	MAX.	CLASS
COMMERCIAL ZONING	+ 16'	40'	B
INDUSTRIAL ZONING	+ 16'	40'	B
+ 24' MIN. FOR TWO WAY TRAFFIC			
RESIDENTIAL			
DRIVEWAY WIDTH	MIN.	MAX.	CLASS
MAJOR STREET	16'	30'	B
COLLECTOR STREET	*12'	30'	B
LOCAL STREET	12'	30'	B
* 16' DESIRABLE			

DETAIL NO. 2250	City of Scottsdale Standard Details	APPROVED BY: Scottsdale Standards & Specifications Committee	DRIVEWAY ENTRANCES	DETAIL NO. 2250

31 DRIVEWAY DETAIL - C.O.S. STANDARD

SCALE: NOT TO SCALE

49-DR-2017
06/20/18

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CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Date Signed
June 22, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP2.11

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

VIPER L STRIKE

LARGE VIPER LUMINAIRE

Cat.#	
Job	Type: SA

BEACON — Approvals

SPECIFICATIONS

Intended Use:

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

Electrical:

- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), 347V, or 480V input.
- Power factor is ≥ .90 at full load.
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C
- Surge protection - 20kA.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

Controls/Options:

- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the motion response system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements vary from standard configuration.
- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see www.beaconproducts.com/products/energeni).
- In addition, Viper can be specified with **SiteSync™** wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7. For more details, see ordering information or visit: www.hubbelllighting.com/sitesync

Installation:

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:

- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

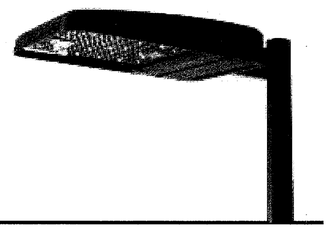
Certifications/Ratings:

- DesignLights Consortium (DLC) qualified, consult DLC website for more details: http://www.designlights.org/QPL
- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://www.beaconproducts.com/products/viper_large

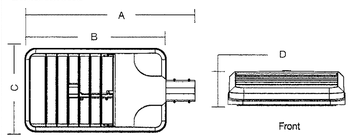
Warranty:

Five year limited warranty for more information visit: www.hubbelllighting.com/resources/warranty

PRODUCT IMAGE(S)



DIMENSIONS



A	B	C	D	Weight:	EPA
29.9" (741 mm)	24.19" (614 mm)	14.25" (362 mm)	4.13" (105 mm)	25.0 lbs (11.3 kg)	1.2 ft²

MOUNTING OPTIONS

CERTIFICATIONS/LISTINGS

*3000K and warmer CCTs only

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SA PARKING LOT LIGHT POLE FIXTURE 1 OF 5
SCALE: NOT TO SCALE

ORDERING INFORMATION

ORDERING EXAMPLE: VPL/96L-280/4K7/4W/UNV/A/DB/7PR-TL/GENI-04/BC

VPL [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

SERIES
- VPL Viper

LED ENGINE
- 64L-135 135W LED array
- 80L-180 180W LED array
- 80L-235 235W LED array
- 96L-220 220W LED array
- 96L-280 280W LED array
- 96L-315 315W LED array
- 96L-395 395W LED array

CCT/CRI[7]
- 3K7 3000K, 70 CRI
- 4K7 4000K, 70 CRI
- 5K7 5000K, 70 CRI

DISTRIBUTION
- FR Type 1/Front Row
- 2 Type 2
- 3 Type 3
- 4 Type 4
- 4W Type 4 Wide
- 5QM Type 5QM
- 5QN Type 5QN
- 5R Type 5R (rectangular)
- 5W Type 5W (round wide)

ROTATION
- Leave blank for no rotation
- L[5] Optic rotation left
- R[5] Optic rotation right

VOLTAGE
- UNV 120-277V
- 120 120V
- 208 208V
- 240 240V
- 277 277V
- 347 347V
- 480 480V

COLOR
- BL Black Textured
- DB Dark Bronze Textured
- GYS Light Gray Smooth
- PS Platinum Silver Smooth
- WH White Textured
- CC Custom Color

OPTIONS
- F Fusing
- BSP Bird Spikes
- BC Backlight control (limited to Type 4W only)

MOUNTING
- A Rectangular Arm (formerly RA) for square or round pole
- MAF Mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm
- K Knuckle (formerly PK2) limit to 30° tilt or 2-3/8" OD horizontal arm or vertical tenon
- WB Wall Bracket
- AD Universal Arm for square pole
- AD3 Universal Arm for 2.4"-4.1" round pole
- AD4 Universal Arm for 4.2" -5.3" round pole
- AD5 Universal Arm for 5.5" -5.9" round pole
- AD6 Universal Arm for 6.0"-6.5" round pole

CONTROL OPTIONS
- 7PR 7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)
- 7PR-SC 7-Pin Receptacle w/Shorting Cap
- 7PR-TL 7-Pin Receptacle w/Twist Lock photo control
- SCP/_F[1,2,6] Programmable Occupancy Sensor w/ daylight control (120-277 volts only)
- GENI-XX[3] ENERGENI
- SWP[1,4] SiteSync Pre-Commission
- SWPM[1,2,4] SiteSync Pre-Commission w/ Sensor

HOUSE SIDE SHIELD ACCESSORIES
- HSS/EVP-L/90-FB/XXX 90° shield front or back
- HSS/EVP-L/90-LR/XXX 90° shield left or right
- HSS/EVP-L/270-FB/XXX 270° shield front or back
- HSS/EVP-L/270-LR/XXX 270° shield left or right
- HSS/EVP-L/360/XXX Full shield

(Replace XXX with notation for desired finish color)
(Refer to page 5 for shield images)

MOUNTING ACCESSORIES
- VPL-AD-RPA3 2.4"-4.1" Round Pole Adapter for AD arm
- VPL-AD-RPA4 4.2"-5.3" Round Pole Adapter for AD arm
- VPL-AD-RPA5 5.5"-5.9" Round Pole Adapter for AD arm
- VPL-AD-RPA6 6.0"-6.5" Round Pole Adapter for AD arm

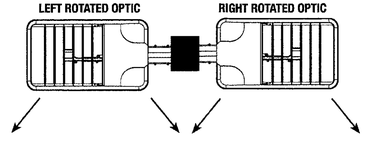
[1] Not available with other wireless control or sensor options
[2] Specify mounting height; 8 = 8' or less, 40 = 9' to 40'
[3] Specify routine setting code (example GENI-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options.
[4] Specify group and zone at time of order. See www.hubbelllighting.com/sitesync for further details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
[5] Only available with FR, 2, 3, 4, 4W and 5R distributions
[6] Order at least one SCP-REMOTE per project location to program and control the occupancy sensor
[7] This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://cdn.beaconproducts.com/content/products/specs/specs_files/Viper_Large_LED_turtle_spec_sheet.pdf

PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.hubbell-automation.com/products/sitesync/ or contact Hubbell Lighting tech support at (800).345-4928.

SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: VP-L/80L-235/4K7/3/UNV/A/DB/SWP/ — SiteSync only
VP-L/80L-235/4K7/3/UNV/A/DB/SWPM-40F/ — SiteSync with Motion Control

LEFT ROTATED OPTIC — RIGHT ROTATED OPTIC



Accessories and Services (Ordered Separately)

Catalog Number	Description
SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
SWUSB*	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node
SWTAB*	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.
SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SW7PR+	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC

* When ordering SiteSync at least one of these two interface options must be ordered per project.
+ Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle.

Hubbell Control Solutions - Accessories (sold separately)

Catalog Number	Description	HCS System
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE™ Lighting Control

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

SiteSync 7-Pin Module


SW7PR

- All of the SiteSync Features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Available on all products that have a 7-Pin receptacle

SiteSync

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SA PARKING LOT LIGHT POLE FIXTURE 2 OF 5
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com

Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

JAMES LAWRENCE LARSON — CERTIFICATE NO. 9252 — REGISTERED PROFESSIONAL ARCHITECT — June 24, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.0

STIPULATION SET WITH CITY OF SCOTTSDALE COMMENTS 8/16/18

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

PERFORMANCE DATA

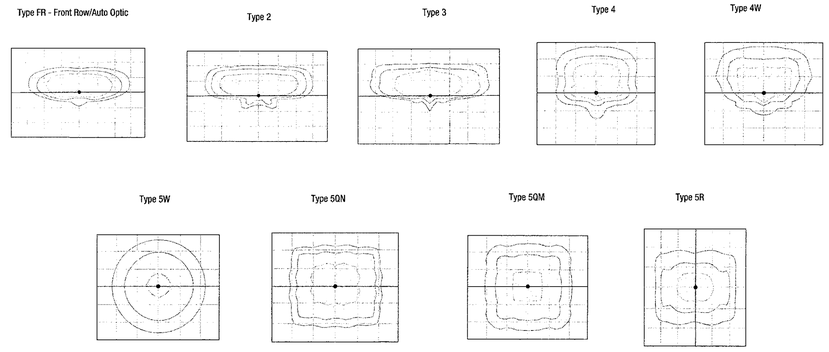
# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	4K (4000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	3K (3000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G
64	625 mA	135W	FR	18220	132	2	0	2	18783	137	2	0	2	16341	119	2	0	2
			2	17228	125	2	0	2	17761	129	2	0	2	15452	112	2	0	2
			3	17257	125	2	0	3	17791	129	2	0	3	15478	112	2	0	3
			4	16864	123	1	0	4	17386	126	1	0	4	15125	110	1	0	3
			4W	16797	122	2	0	3	17317	126	2	0	3	15066	109	2	0	3
			50M	17259	125	4	0	2	17792	129	4	0	2	15479	112	4	0	2
			50N	18023	131	4	0	0	18580	135	4	0	0	16165	117	4	0	0
			5R	17410	127	4	0	4	17948	130	4	0	4	15615	113	4	0	4
			5W	16498	120	4	0	2	17009	124	4	0	3	14797	108	4	0	2
80	700 mA	180W	FR	23230	128	2	0	2	23948	132	2	0	2	20835	115	2	0	2
			2	21965	121	3	0	3	22645	125	3	0	3	19701	109	2	0	3
			3	22003	121	2	0	4	22683	125	3	0	4	19734	109	2	0	4
			4	21502	119	2	0	4	22167	122	2	0	4	19285	106	2	0	4
			4W	21416	118	2	0	4	22079	122	2	0	4	19209	106	2	0	4
			50M	22005	121	4	0	2	22686	125	4	0	2	19736	109	4	0	2
			50N	22979	127	4	0	1	23689	131	4	0	1	20610	114	4	0	0
			5R	22197	122	4	0	4	22884	126	4	0	4	19909	110	4	0	4
			5W	21035	116	5	0	3	21686	120	5	0	3	18867	104	4	0	3
80	875 mA	235W	FR	27849	121	2	0	2	28711	125	2	0	2	24978	108	2	0	2
			2	26334	114	3	0	3	27148	118	3	0	4	23619	102	3	0	3
			3	26378	114	3	0	4	27194	118	3	0	4	23659	103	3	0	4
			4	25777	112	2	0	4	26575	115	2	0	5	23120	100	2	0	4
			4W	25675	111	3	0	4	26469	115	3	0	4	23028	100	3	0	4
			50M	26381	114	4	0	2	27196	118	4	0	2	23661	103	4	0	2
			50N	27548	119	5	0	1	28400	123	5	0	1	24708	107	5	0	1
			5R	26611	115	5	0	5	27434	119	5	0	5	23868	104	4	0	4
			5W	25218	109	5	0	3	25998	113	5	0	3	22618	98	5	0	3
96	700 mA	220W	FR	27876	128	2	0	2	28738	132	2	0	2	25002	115	2	0	2
			2	26359	121	3	0	3	27174	125	3	0	4	23641	109	3	0	3
			3	26403	121	3	0	4	27220	125	3	0	4	23681	109	3	0	4
			4	25802	119	2	0	4	26600	122	2	0	5	23142	106	2	0	4
			4W	25700	118	3	0	4	26494	122	3	0	4	23050	106	3	0	4
			50M	26406	121	4	0	2	27222	125	4	0	2	23683	109	4	0	2
			50N	27575	127	5	0	1	28427	131	5	0	1	24732	114	5	0	1
			5R	26637	122	5	0	5	27460	126	5	0	5	23890	110	4	0	4
			5W	25242	116	5	0	3	26023	120	5	0	3	22640	104	5	0	3
96	875 mA	280W	FR	33419	121	3	0	2	34453	125	3	0	2	*29974*	*108*	*2*	*0*	*2*
			2	31600	114	3	0	4	32577	118	3	0	4	*28342*	*102*	*3*	*0*	*4*
			3	31654	114	3	0	5	32633	118	3	0	5	*28390*	*103*	*3*	*0*	*4*
			4	30933	112	2	0	5	31889	115	2	0	5	*27744*	*100*	*2*	*0*	*5*
			4W	30810	111	3	0	5	31763	115	3	0	5	*27634*	*100*	*3*	*0*	*4*
			50M	31657	114	5	0	3	32636	118	5	0	3	*28393*	*103*	*4*	*0*	*2*
			50N	33058	119	5	0	1	34080	123	5	0	1	*29650*	*101*	*5*	*0*	*1*
			5R	31933	115	5	0	5	32921	119	5	0	5	*28641*	*104*	*5*	*0*	*5*
			5W	30262	109	5	0	4	31198	113	5	0	4	*27142*	*98*	*5*	*0*	*3*
96	1000mA	315W[2]	FR	35666	113	3	0	2	36769	117	3	0	2	*31989*	*101*	*2*	*0*	*2*
			2	33725	107	3	0	4	34768	110	3	0	4	*30248*	*96*	*3*	*0*	*4*
			3	33782	107	3	0	5	34827	110	3	0	5	*30299*	*96*	*3*	*0*	*4*
			4	33012	105	2	0	5	34033	108	2	0	5	*29609*	*94*	*2*	*0*	*5*
			4W	32882	104	3	0	5	33899	107	3	0	5	*29492*	*93*	*3*	*0*	*5*
			50M	33785	107	5	0	3	34830	110	5	0	3	*30302*	*96*	*5*	*0*	*2*
			50N	35280	112	5	0	1	36371	115	5	0	1	*31643*	*100*	*5*	*0*	*1*
			5R	34080	108	5	0	5	35134	111	5	0	5	*30567*	*97*	*5*	*0*	*5*
			5W	32302	102	5	0	4	33301	106	5	0	4	*28972*	*92*	*5*	*0*	*4*
96	1225mA	395W[2]	FR	39569	101	3	0	4	43125	110	3	0	3	*37518*	*96*	*3*	*0*	*2*
			2	39569	101	3	0	4	40793	104	3	0	4	*35490*	*91*	*3*	*0*	*4*
			3	39619	101	3	0	5	40845	104	3	0	5	*35535*	*91*	*3*	*0*	*5*
			4	38723	98	3	0	5	39921	101	3	0	5	*34731*	*88*	*2*	*0*	*5*
			4W	38570	98	3	0	5	39763	101	3	0	5	*34594*	*88*	*3*	*0*	*5*
			50M	39623	101	5	0	3	40848	104	5	0	3	*35538*	*90*	*5*	*0*	*3*
			50N	41394	105	5	0	1	42675	109	5	0	1	*37127*	*95*	*5*	*0*	*1*
			5R	39969	102	5	0	5	41205	105	5	0	5	*35848*	*91*	*5*	*0*	*5*
			5W	37877	97	5	0	4	39048	100	5	0	4	*33986*	*87*	*5*	*0*	*4*

[1] Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.
[2] 315W and 395W 3000K versions are not DLC QPL listed. Reference highlighted cells in table.

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SA PARKING LOT LIGHT POLE FIXTURE 3 OF 5
SCALE: NOT TO SCALE

PHOTOMETRICS



ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
64	1	625 mA	120	135	1.4
			277		0.6
			347		0.5
			480		0.3
80	2	700 mA	120	180	1.8
			277		0.8
			347		0.6
			480		0.5
80	2	875 mA	120	235	2.4
			277		1.0
			347		0.8
			480		0.6
96	2	700 mA	120	220	2.2
			277		1.0
			347		0.8
			480		0.6
96	2	875 mA	120	280	2.8
			277		1.2
			347		1.0
			480		0.7
96	2	1000 mA	120	315	3.2
			277		1.4
			347		1.1
			480		0.8
96	2	1225 mA	120	395	4.0
			277		1.7
			347		1.4
			480		1.0

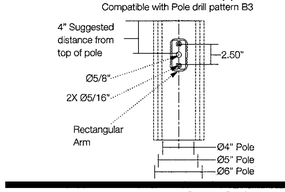
PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	[1]TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1	0.98	0.97	0.97	0.96	>377,000

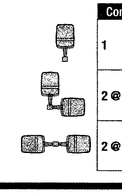
[1] Projected per IESNA TM-21-11
Data references the extrapolated performance projections for the 700mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

DRILL PATTERN

RECTANGULAR ARM (A)
Compatible with Pole drill pattern B3



EPA



Config.	EPA
1	1.2
2 @ 90°	1.9
2 @ 180°	2.4



Config.	EPA
3 @ 120°	3.0
3 @ 90°	3.1
4 @ 90°	3.8

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STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
DATE

SA PARKING LOT LIGHT POLE FIXTURE 4 OF 5
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

JAMES LARSON
CERTIFICATE NO. 9262
JAMES LAWRENCE LARSON
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.1

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

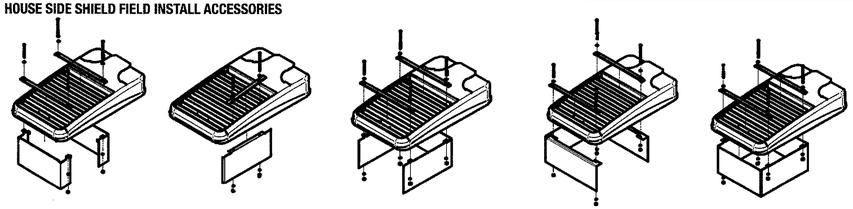
LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

TENON TOP POLE BRACKET ACCESSORIES (Order Separately)

(2 3/8" OD tenon)

Catalog Number	Description
SETAVP-XX	Square tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
RETAVP-XX	Round tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
TETAVP-XX	Hexagonal tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
SETA2XX	Square tenon adapter (4 at 90°) for AD - Universal Arm mounting option only
RETA2XX	Round tenon adapter (4 at 90°) for AD3 - Universal Arm mounting option only
TETA2XX	Hexagonal tenon adapter (3 at 120°) for AD - Universal Arm mounting option only

HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES



HSS/EVP-L/90-FB/XXX
90° shield front or back
(2 shields shown)

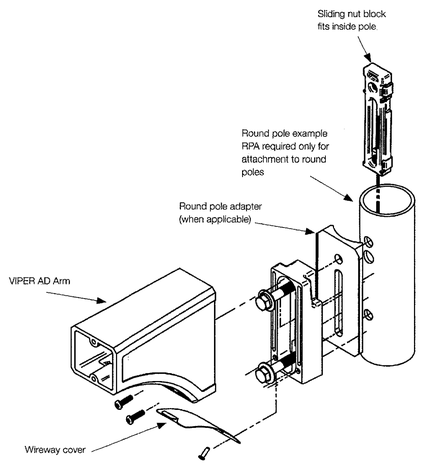
HSS/EVP-L/90-LR/XXX
90° shield left or right
(1 shield shown in left orientation)

HSS/EVP-L/270-FB/XXX
270° shield front or back
(1 shield shown in back orientation)

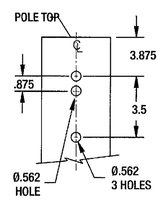
HSS/EVP-L/270-LR/XXX
270° shield left or right
(1 shield shown in right orientation)

HSS/EVP-L/360/XXX
Full shield
(1 shield shown)

AD ARM MOUNTING INSTRUCTIONS



DECORATIVE ARM (AD)
Compatible with pole drill pattern S2



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SA PARKING LOT LIGHT POLE FIXTURE 5 OF 5
SCALE: NOT TO SCALE

VIPER L STRIKE

OPTICS

LARGE VIPER LUMINAIRE

Cat.#

Job

Type
SB

BEACON
design - performance - technology

Approvals

SPECIFICATIONS

Intended Use:

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

Electrical:

- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), 347V, or 480V input.
- Power factor is ≥ .90 at full load.
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C
- Surge protection - 20kA.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

Controls/Options:

- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the motion response system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements vary from standard configuration.
- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see www.beaconproducts.com/products/energeni).
- In addition, Viper can be specified with **SiteSync™** wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7. For more details, see ordering information or visit: www.hubbelllighting.com/sitesync

Installation:

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:

- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Certifications/Ratings:

- DesignLights Consortium (DLC) qualified, consult DLC website for more details: http://www.designlights.org/QPL
- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://www.beaconproducts.com/products/viper_large

Warranty:

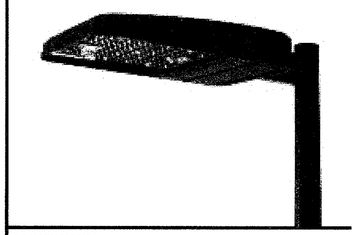
Five year limited warranty for more information visit: www.hubbelllighting.com/resources/warranty

CERTIFICATIONS/LISTINGS

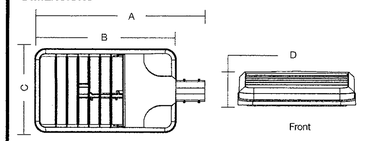
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*3000K and warmer CCTs only

PRODUCT IMAGE(S)

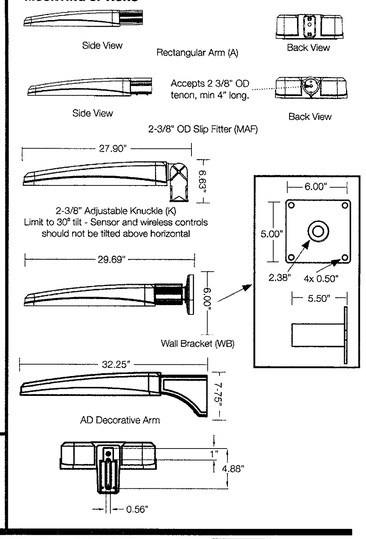


DIMENSIONS



A	B	C	D	Weight:	EPA
29.9" (741 mm)	24.19" (614 mm)	14.25" (362 mm)	4.13" (105 mm)	25.0 lbs (11.3 kg)	1.2 ft²

MOUNTING OPTIONS



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SB PARKING LOT LIGHT POLE FIXTURE 1 OF 5
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
REGISTERED ARCHITECT
Date Signed June 20, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.2

49-DR-2017

STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
DATE INITIALS

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

ORDERING INFORMATION

ORDERING EXAMPLE: VPL/96L-280/4K7/4W/UNV/A/DB/7PR-TL/GENI-04/BC

VPL [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

SERIES
- VPL Viper

LED ENGINE
- 64L-135 135W LED array
- 80L-180 180W LED array
- 80L-235 235W LED array
- 96L-220 220W LED array
- 96L-280 280W LED array
- 96L-315 315W LED array
- 96L-395 395W LED array

CCT/CRI[2]
- 3K7 3000K, 70 CRI
- 4K7 4000K, 70 CRI
- 5K7 5000K, 70 CRI

DISTRIBUTION
- FR Type 1/Front Row
- 2 Type 2
- 3 Type 3
- 4 Type 4
- 4W Type 4 Wide
- 5QM Type 5QM
- 5QN Type 5QN
- 5R Type 5R (rectangular)
- 5W Type 5W (round wide)

ROTATION
- Leave blank for no rotation
- L[5] Optic rotation left
- R[5] Optic rotation right

VOLTAGE
- UNV 120-277V
- 120 120V
- 208 208V
- 240 240V
- 277 277V
- 347 347V
- 480 480V

COLOR
- BL Black Textured
- DB Dark Bronze Textured
- GYS Light Gray Smooth
- PS Platinum Silver Smooth
- WH White Textured
- CC Custom Color

OPTIONS
- F Fusing
- BSP Bird Spikes
- BC Backlight control (limited to Type 4W only)

MOUNTING
- A Rectangular Arm (formerly RA) for square or round pole
- MAF Mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm
- K Knuckle (formerly PK2) limit to 30° tilt or 2-3/8" OD horizontal arm or vertical tenon
- WB Wall Bracket
- AD Universal Arm for square pole
- AD3 Universal Arm for 2.4"-4.1" round pole
- AD4 Universal Arm for 4.2" -5.3" round pole
- AD5 Universal Arm for 5.5" -5.9" round pole
- AD6 Universal Arm for 6.0"-6.5" round pole

CONTROL OPTIONS
- 7PR 7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)
- 7PR-SC 7-Pin Receptacle w/Shorting Cap
- 7PR-TL 7-Pin Receptacle w/Twist Lock photo control
- SCP/_F[1,2,8] Programmable Occupancy Sensor w/ daylight control (120-277 volts only)
- GENI-XX[3] ENERGENI
- SWP[1,4] SiteSync Pre-Commission
- SWPM[1,2,4] SiteSync Pre-Commission w/ Sensor

HOUSE SIDE SHIELD ACCESSORIES
- HSS/EVP-L/90-FB/XXX 90° shield front or back
- HSS/EVP-L/90-LR/XXX 90° shield left or right
- HSS/EVP-L/270-FB/XXX 270° shield front or back
- HSS/EVP-L/270-LR/XXX 270° shield left or right
- HSS/EVP-L/360/XXX Full shield

(Replace XXX with notation for desired finish color)
(Refer to page 5 for shield images)

MOUNTING ACCESSORIES
- VPL-AD-RPA3 2.4"-4.1" Round Pole Adapter for AD arm
- VPL-AD-RPA4 4.2"-5.3" Round Pole Adapter for AD arm
- VPL-AD-RPA5 5.5"-5.9" Round Pole Adapter for AD arm
- VPL-AD-RPA6 6.0"-6.5" Round Pole Adapter for AD arm

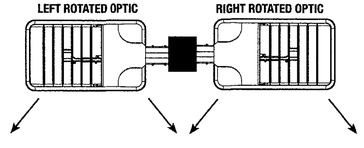
[1] Not available with other wireless control or sensor options
[2] Specify mounting height: 8 = 8' or less, 40 = 9' to 40'
[3] Specify routine setting code (example GENI-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options.
[4] Specify group and zone at time of order. See www.hubbelllighting.com/sitesync for further details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
[5] Only available with FR, 2, 3, 4, 4W and 5R distributions
[6] Order at least one SCP-REMOTE per project location to program and control the occupancy sensor
[7] This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://cdn.beaconproducts.com/content/products/specs/specs_files/Viper_Large_LED_turtle_spec_sheet.pdf

PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.hubbell-automation.com/products/sitesync/ or contact Hubbell Lighting tech support at (800) 345-4928.

SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: VP-L/80L-235/4K7/3/UNV/A/DB/SWP/ SiteSync only
VP-L/80L-235/4K7/3/UNV/A/DB/SWPM-40F/ SiteSync with Motion Control

LEFT ROTATED OPTIC



RIGHT ROTATED OPTIC

Accessories and Services (Ordered Separately)

Catalog Number	Description
SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
SWUSB*	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node
SWTAB*	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.
SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SW7PR*	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC

* When ordering SiteSync at least one of these two interface options must be ordered per project.
+ Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle.

Hubbell Control Solutions - Accessories (sold separately)

Catalog Number	Description	HCS System
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE™ Lighting Control

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

SiteSync 7-Pin Module



SW7PR

- All of the SiteSync Features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Available on all products that have a 7-Pin receptacle

SiteSync

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PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	4K (4000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	3K (3000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G
64	625 mA	135W	FR	18220	132	2	0	2	18783	137	2	0	2	16341	119	2	0	2
			2	17228	125	2	0	2	17761	129	2	0	2	15452	112	2	0	2
			3	17257	125	2	0	3	17791	129	2	0	3	15478	112	2	0	3
			4	16864	123	1	0	4	17386	126	1	0	4	15125	110	1	0	3
			4W	16797	122	2	0	3	17317	126	2	0	3	15066	109	2	0	3
			5QM	17259	125	4	0	2	17792	129	4	0	2	15479	112	4	0	2
			5QN	18023	131	4	0	0	18580	135	4	0	0	16165	117	4	0	0
			5R	17410	127	4	0	4	17948	130	4	0	4	15615	113	4	0	4
			5W	16498	120	4	0	2	17009	124	4	0	3	14797	108	4	0	2
80	700 mA	180W	FR	23230	128	2	0	2	23948	132	2	0	2	20835	115	2	0	2
			2	21965	121	3	0	3	22645	125	3	0	3	19701	109	2	0	3
			3	22003	121	2	0	4	22683	125	3	0	4	19734	109	2	0	4
			4	21502	119	2	0	4	22167	122	2	0	4	19285	106	2	0	4
			4W	21416	118	2	0	4	22079	122	2	0	4	19209	106	2	0	4
			5QM	22005	121	4	0	2	22686	125	4	0	2	19736	109	4	0	2
			5QN	22979	127	4	0	1	23689	131	4	0	1	20610	114	4	0	0
			5R	22197	122	4	0	4	22884	126	4	0	4	19909	110	4	0	4
			5W	21035	116	5	0	3	21686	120	5	0	3	18867	104	4	0	3
80	875 mA	235W	FR	27849	121	2	0	2	28711	125	2	0	2	24978	108	2	0	2
			2	26334	114	3	0	3	27148	118	3	0	4	23619	102	3	0	3
			3	26378	114	3	0	4	27194	118	3	0	4	23659	103	3	0	4
			4	25777	112	2	0	4	26575	115	2	0	5	23120	100	2	0	4
			4W	25675	111	3	0	4	26469	115	3	0	4	23028	100	3	0	4
			5QM	26381	114	4	0	2	27196	118	4	0	2	23661	103	4	0	2
			5QN	27548	119	5	0	1	28400	123	5	0	1	24708	107	5	0	1
			5R	26611	115	5	0	5	27434	119	5	0	5	23868	104	4	0	4
			5W	25218	109	5	0	3	25998	113	5	0	3	22618	98	5	0	3
96	700 mA	220W	FR	27876	128	2	0	2	28738	132	2	0	2	25002	115	2	0	2
			2	26359	121	3	0	3	27174	125	3	0	4	23641	109	3	0	3
			3	26403	121	3	0	4	27220	125	3	0	4	23681	109	3	0	4
			4	25802	119	2	0	4	26600	122	2	0	5	23142	106	2	0	4
			4W	25700	118	2	0	4	26494	122	3	0	4	23050	106	3	0	4
			5QM	26406	121	3	0	2	27222	125	4	0	2	23683	109	4	0	2
			5QN	27575	127	5	0	1	28427	131	5	0	1	24732	114	5	0	1
			5R	26637	122	5	0	5	27460	126	5	0	5	23890	110	4	0	4
			5W	25242	116	5	0	3	26023	120	5	0	3	22640	104	5	0	3
96	875 mA	280W	FR	33419	121	3	0	2	34453	125	3	0	2	*29974*	*108*	*2*	*0*	*2*
			2	31600	114	3	0	4	32577	118	3	0	4	*28342*	*102*	*3*	*0*	*4*
			3	31654	114	3	0	5	32633	118	3	0	5	*28390*	*103*	*3*	*0*	*4*
			4	30933	112	2	0	5	31889	115	2	0	5	*27744*	*100*	*2*	*0*	*5*
			4W	30810	111	3	0	5	31763	115	3	0	5	*27634*	*100*	*3*	*0*	*4*
			5QM	31657	114	5	0	3	32636	118	5	0	3	*28393*	*103*	*4*	*0*	*2*
			5QN	33058	119	5	0	1	34080	123	5	0	1	*29650*	*101*	*5*	*0*	*1*
			5R	31933	115	5	0	5	32921	119	5	0	5	*28641*	*104*	*5*	*0*	*5*
			5W	30262	109	5	0	4	31198	113	5	0	4	*27142*	*98*	*5*	*0*	*3*
96	1000mA	315W[2]	FR	35666	113	3	0	2	36769	117	3	0	2	*31989*	*101*	*2*	*0*	*2*
			2	33725	107	3	0	4	34768	110	3	0	4	*30248*	*96*	*3*	*0*	*4*
			3	33782	107	3	0	5	34827	110	3	0	5	*30299*	*96*	*3*	*0*	*4*
			4	33012	105	2	0	5	34033	108	2	0	5	*29609*	*94*	*2*	*0*	*5*
			4W	32882	104	3	0	5	33899	107	3	0	5	*29492*	*93*	*3*	*0*	*5*
			5QM	33785	107	5	0	3	34830	110	5	0	3	*30302*	*96*	*5*	*0*	*2*
			5QN	35280	112	5	0	1	36371	115	5	0	1	*31843*	*100*	*5*	*0*	*1*
			5R	34080	108	5	0	5	35134	111	5	0	5	*30567*	*97*	*5*	*0*	*5*
			5W	32302	102	5	0	4	33301	106	5	0	4	*28972*	*92*	*3*	*0*	*4*
96	1225mA	395W[2]	FR	39569	101	3	0	4	43125	110	3	0	3	*37518*	*96*	*3*	*0*	*2*
			2	39569	101	3	0	4	40793	104	3	0	4	*35490*	*91*	*3*	*0*	*4*
			3	39619	101	3	0	5	40845	104	3	0	5	*35535*	*91*	*3*	*0*	*5*
			4	38723	98	3	0	5	39921	101	3	0	5	*34739*	*88*	*2*	*0*	*5*
			4W	38570	98	3	0	5	39763	101	3	0	5	*34594*	*88*	*3*	*0*	*5*
			5QM	39623	101	5	0	3	40848	104	5	0	3	*35538*	*90*	*5*	*0*	*1*
			5QN	41394	105	5	0	1	42675	109	5	0	1	*37127*	*95*	*5*	*0*	*1*
			5R	39969	102	5	0	5	41205	105	5	0	5	*35848*	*91*	*5*	*0*	*5*
			5W	37877	97	5	0	4	39048	100	5	0	4	*33986*	*87*	*5*	*0*	*4*

[1] Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.
[2] 315W and 395W 3000K versions are not DLC QPL listed. Reference highlighted cells in table.

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HUBBELL Lighting

SB PARKING LOT LIGHT POLE FIXTURE 2 OF 5
SCALE: NOT TO SCALE

SB PARKING LOT LIGHT POLE FIXTURE 3 OF 5
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

JAMES LARSON
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Date Signed
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.3

49-DR-2017

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
8/16/18
CITY OF SCOTTSDALE

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

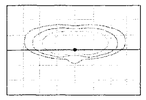
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ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

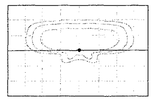
LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

PHOTOMETRICS

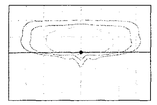
Type FR - Front Row/Auto Optic



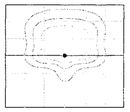
Type 2



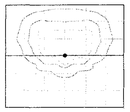
Type 3



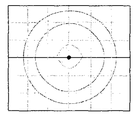
Type 4



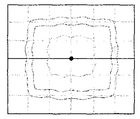
Type 4W



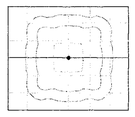
Type 5W



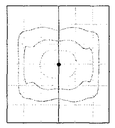
Type 5QN



Type 5QM



Type 5R



ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
64	1	625 mA	120	135	1.4
			277		0.6
			347		0.5
			480		0.3
80	2	700 mA	120	180	1.8
			277		0.8
			347		0.6
			480		0.5
80	2	875 mA	120	235	2.4
			277		1.0
			347		0.8
			480		0.6
96	2	700 mA	120	220	2.2
			277		1.0
			347		0.8
			480		0.6
96	2	875 mA	120	280	2.8
			277		1.2
			347		1.0
			480		0.7
96	2	1000 mA	120	315	3.2
			277		1.4
			347		1.1
			480		0.8
96	2	1225 mA	120	395	4.0
			277		1.7
			347		1.4
			480		1.0

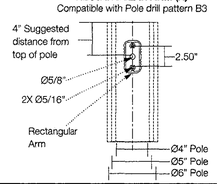
PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	[1]TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1	0.98	0.97	0.97	0.96	>377,000

[1] Projected per IESNA TM-21-11
Data references the extrapolated performance projections for the 700mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

DRILL PATTERN

RECTANGULAR ARM (A)
Compatible with Pole drill pattern B3



EPA

Config.	EPA
1	1.2
2 @ 90°	1.9
2 @ 180°	2.4
3 @ 120°	3.0
3 @ 90°	3.1
4 @ 90°	3.8

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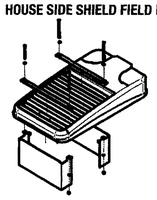
SB PARKING LOT LIGHT POLE FIXTURE 4 OF 5
SCALE: NOT TO SCALE

TENON TOP POLE BRACKET ACCESSORIES (Order Separately)

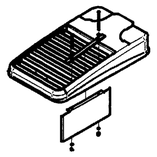
(2 3/8" OD tenon)

Catalog Number	Description
SETAVP-XX	Square tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
RETAVP-XX	Round tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
TETAVP-XX	Hexagonal tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
SETA2XX	Square tenon adapter (4 at 90°) for AD - Universal Arm mounting option only
RETA2XX	Round tenon adapter (4 at 90°) for AD3 - Universal Arm mounting option only
TETA2XX	Hexagonal tenon adapter (3 at 120°) for AD - Universal Arm mounting option only

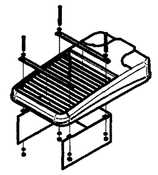
HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES



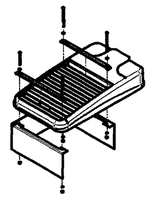
HSS/EVP-L/90-FB/XXX
90° shield front or back
(2 shields shown)



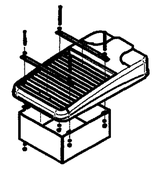
HSS/EVP-L/90-LR/XXX
90° shield left or right
(1 shield shown in left orientation)



HSS/EVP-L/270-FB/XXX
270° shield front or back
(1 shield shown in back orientation)

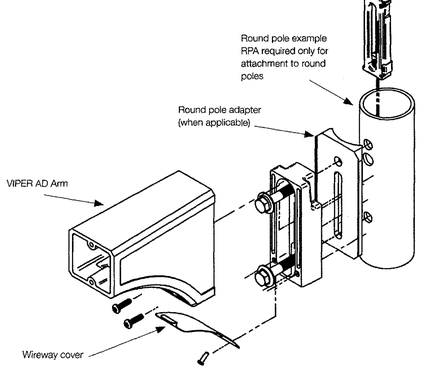


HSS/EVP-L/270-LR/XXX
270° shield left or right
(1 shield shown in right orientation)

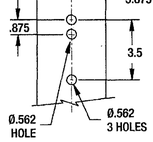


HSS/EVP-L/360/XXX
Full shield
(1 shield shown)

AD ARM MOUNTING INSTRUCTIONS



DECORATIVE ARM (AD)
Compatible with pole drill pattern S2



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SB PARKING LOT LIGHT POLE FIXTURE 5 OF 5
SCALE: NOT TO SCALE

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602.955.9929 602.954.4790 FAX
design@larson-architects.com

Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Jun 6, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.4

49-DR-2017

STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
INITIALS

49-DR-2017
06/20/18

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

VIPER L STRIKE

LARGE VIPER LUMINAIRE

Cat.#

Job

Type SW-1

BEACON

Approvals

SPECIFICATIONS

Intended Use:

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

Electrical:

- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), 347V, or 480V input.
- Power factor is ≥ .90 at full load.
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C
- Surge protection - 20kA.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

Controls/Options:

- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the motion response system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements vary from standard configuration.
- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see www.beaconproducts.com/products/energeni).
- In addition, Viper can be specified with **SiteSync™** wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7. For more details, see ordering information or visit: www.hubbelllighting.com/sitesync

Installation:

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:

- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

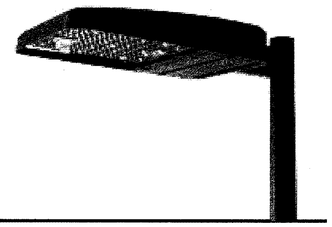
Certifications/Ratings:

- DesignLights Consortium (DLC) qualified, consult DLC website for more details: http://www.designlights.org/QPL
- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://www.beaconproducts.com/products/viper_large

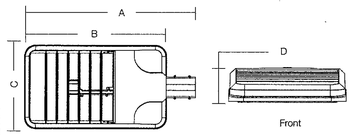
Warranty:

Five year limited warranty for more information visit: www.hubbelllighting.com/resources/warranty

PRODUCT IMAGE(S)



DIMENSIONS



A	B	C	D	Weight:	EPA
29.9" (741 mm)	24.19" (614 mm)	14.25" (362 mm)	4.13" (105 mm)	25.0 lbs (11.3 kg)	1.2 ft²

MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS

*3000K and warmer CCTs only

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HUBBELL Lighting

SW1 AIRSIDE STAGING AREA WALL FIXT. 1 OF 5

SCALE: NOT TO SCALE

ORDERING INFORMATION

ORDERING EXAMPLE: VPL/96L-280/4K7/4W/UNV/A/DB/7PR-TL/GENI-04/BC

VPL [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

SERIES
- VPL Viper

LED ENGINE
- 64L-135 135W LED array
- 80L-180 180W LED array
- 80L-235 235W LED array
- 96L-220 220W LED array
- 96L-280 280W LED array
- 96L-315 315W LED array
- 96L-395 395W LED array

CCT/CRI[7]
- 3K7 3000K, 70 CRI
- 4K7 4000K, 70 CRI
- 5K7 5000K, 70 CRI

DISTRIBUTION
- FR Type 1/Front Row
- 2 Type 2
- 3 Type 3
- 4 Type 4
- 4W Type 4 Wide
- 5QM Type 5QM
- 5QN Type 5QN
- 5R Type 5R (rectangular)
- 5W Type 5W (round wide)

ROTATION
- Leave blank for no rotation
- L[5] Optic rotation left
- R[5] Optic rotation right

VOLTAGE
- UNV 120-277V
- 120 120V
- 208 208V
- 240 240V
- 277 277V
- 347 347V
- 480 480V

COLOR
- BL Black Textured
- DB Dark Bronze Textured
- GYS Light Gray Smooth
- PS Platinum Silver Smooth
- WH White Textured
- CC Custom Color

OPTIONS
- F Fusing
- BSP Bird Spikes
- BC Backlight control (limited to Type 4W only)

MOUNTING
- A Rectangular Arm (formerly RA) for square or round pole
- MAF Mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm
- K Knuckle (formerly PK2) limit to 30° tilt or 2-3/8" OD horizontal arm or vertical tenon
- WB Wall Bracket
- AD Universal Arm for square pole
- AD3 Universal Arm for 2.4"-4.1" round pole
- AD4 Universal Arm for 4.2" -5.3" round pole
- AD5 Universal Arm for 5.5" -5.9" round pole
- AD6 Universal Arm for 6.0"-6.5" round pole

CONTROL OPTIONS
- 7PR 7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)
- 7PR-SC 7-Pin Receptacle w/Shorting Cap
- 7PR-TL 7-Pin Receptacle w/Twist Lock photo control
- SCP/_F[1,2,8] Programmable Occupancy Sensor w/ daylight control (120-277 volts only)
- GENI-XX[2] ENERGENI
- SWP[1,4] SiteSync Pre-Commission
- SWPM[1,2,4] SiteSync Pre-Commission w/ Sensor

HOUSE SIDE SHIELD ACCESSORIES
- HSS/EVP-L/90-FB/XXX 90° shield front or back
- HSS/EVP-L/90-LR/XXX 90° shield left or right
- HSS/EVP-L/270-FB/XXX 270° shield front or back
- HSS/EVP-L/270-LR/XXX 270° shield left or right
- HSS/EVP-L/360/XXX Full shield

(Replace XXX with notation for desired finish color)
(Refer to page 5 for shield images)

MOUNTING ACCESSORIES
- VPL-AD-RPA3 2.4"-4.1" Round Pole Adapter for AD arm
- VPL-AD-RPA4 4.2"-5.3" Round Pole Adapter for AD arm
- VPL-AD-RPA5 5.5"-5.9" Round Pole Adapter for AD arm
- VPL-AD-RPA6 6.0"-6.5" Round Pole Adapter for AD arm

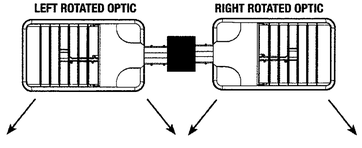
[1] Not available with other wireless control or sensor options
[2] Specify mounting height; 8 = 8' or less, 40 = 9' to 40'
[3] Specify routine setting code (example GEN-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options.
[4] Specify group and zone at time of order. See www.hubbelllighting.com/sitesync for further details. Order at least one SiteSync Interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
[5] Only available with FR, 2, 3, 4, 4W and 5R distributions.
[6] Order at least one SCP-REMOTE per project location to program and control the occupancy sensor
[7] This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://cdn.beaconproducts.com/content/products/specs/specs_files/Viper_Large_LED_turtle_spec_sheet.pdf

PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.hubbell-automation.com/products/sitesync/ or contact Hubbell Lighting tech support at (800) 345-4928.

SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: VP-L/80L-235/4K7/3/UNV/A/DB/SWP/ SiteSync only
VP-L/80L-235/4K7/3/UNV/A/DB/SWPM-40F/ SiteSync with Motion Control

LEFT ROTATED OPTIC



RIGHT ROTATED OPTIC

Accessories and Services (Ordered Separately)

Catalog Number	Description
SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
SWUSB*	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node
SWTAB*	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.
SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SW7PR*	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC

* When ordering SiteSync at least one of these two interface options must be ordered per project.
+ Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle.

Hubbell Control Solutions - Accessories (sold separately)

Catalog Number	Description	HCS System
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE™ Lighting Control

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

SiteSync 7-Pin Module



SW7PR

- All of the SiteSync Features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Available on all products that have a 7-Pin receptacle

SiteSync

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HUBBELL Lighting

SW1 AIRSIDE STAGING AREA WALL FIXT. 2 OF 5

SCALE: NOT TO SCALE

STIPULATIONS MET
RETAIN FOR RECORDS
APPROVED
4/16/18 DATE
INITIALS
49-DR-2017
06/20/18

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Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com

Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9262
REGISTERED ARCHITECT
STATE OF ARIZONA
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.5

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

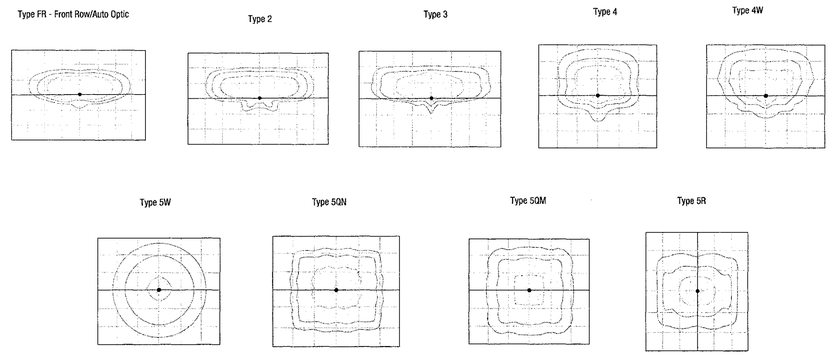
PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	4K (4000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	3K (3000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G
64	625 mA	135W	FR	18220	132	2	0	2	18783	137	2	0	2	16341	119	2	0	2
			2	17228	125	2	0	2	17761	129	2	0	2	15452	112	2	0	2
			3	17257	125	2	0	3	17791	129	2	0	3	15478	112	2	0	3
			4	16864	123	1	0	4	17386	126	1	0	4	15125	110	1	0	3
			4W	16797	122	2	0	3	17317	126	2	0	3	15066	109	2	0	3
			5QM	17259	125	4	0	2	17792	129	4	0	2	15479	112	4	0	2
			5QN	18023	131	4	0	0	18580	135	4	0	0	16165	117	4	0	0
			5R	17410	127	4	0	4	17948	130	4	0	4	15615	113	4	0	4
			5W	16498	120	4	0	2	17009	124	4	0	3	14797	108	4	0	2
80	700 mA	180W	FR	23230	128	2	0	2	23948	132	2	0	2	20835	115	2	0	2
			2	21965	121	3	0	3	22645	125	3	0	3	19701	109	2	0	3
			3	22003	121	2	0	4	22683	125	3	0	4	19734	109	2	0	4
			4	21502	119	2	0	4	22167	122	2	0	4	19285	106	2	0	4
			4W	21416	118	2	0	4	22079	122	2	0	4	19209	106	2	0	4
			5QM	22005	121	4	0	2	22686	125	4	0	2	19736	109	4	0	2
			5QN	22979	127	4	0	1	23689	131	4	0	1	20610	114	4	0	0
			5R	22197	122	4	0	4	22884	126	4	0	4	19909	110	4	0	4
			5W	21035	116	5	0	3	21686	120	5	0	3	18867	104	4	0	3
80	875 mA	235W	FR	27849	121	2	0	2	28711	125	2	0	2	24978	108	2	0	2
			2	26334	114	3	0	3	27148	118	3	0	4	23619	102	3	0	3
			3	26378	114	3	0	4	27194	118	3	0	4	23659	103	3	0	4
			4	25777	112	2	0	4	26575	115	2	0	5	23120	100	2	0	4
			4W	25675	111	3	0	4	26469	115	3	0	4	23028	100	3	0	4
			5QM	26381	114	4	0	2	27196	118	4	0	2	23661	103	4	0	2
			5QN	27548	119	5	0	1	28400	123	5	0	1	24708	107	5	0	1
			5R	26611	115	5	0	5	27434	119	5	0	5	23868	104	4	0	4
			5W	25218	109	5	0	3	25998	113	5	0	3	22618	98	5	0	3
96	700 mA	220W	FR	27876	128	2	0	2	28738	132	2	0	2	25002	115	2	0	2
			2	26359	121	3	0	3	27174	125	3	0	4	23641	109	3	0	3
			3	26403	121	3	0	4	27220	125	3	0	4	23681	109	3	0	4
			4	25802	119	2	0	4	26600	122	2	0	5	23142	106	2	0	4
			4W	25700	118	3	0	4	26494	122	3	0	4	23050	106	3	0	4
			5QM	26406	121	4	0	2	27222	125	4	0	2	23683	109	4	0	2
			5QN	27575	127	5	0	1	28427	131	5	0	1	24732	114	5	0	1
			5R	26637	122	5	0	5	27460	126	5	0	5	23890	110	4	0	4
			5W	25242	116	5	0	3	26023	120	5	0	3	22640	104	5	0	3
96	875 mA	280W	FR	33419	121	3	0	2	34453	125	3	0	2	*29974*	*108*	*2*	*0*	*2*
			2	31600	114	3	0	4	32577	118	3	0	4	*28342*	*102*	*3*	*0*	*4*
			3	31654	114	3	0	5	32633	118	3	0	5	*28390*	*103*	*3*	*0*	*4*
			4	30933	112	2	0	5	31889	115	2	0	5	*27744*	*100*	*2*	*0*	*5*
			4W	30810	111	3	0	5	31763	115	3	0	5	*27634*	*100*	*3*	*0*	*4*
			5QM	31657	114	5	0	3	32636	118	5	0	3	*28393*	*103*	*4*	*0*	*2*
			5QN	33058	119	5	0	1	34080	123	5	0	1	*29650*	*101*	*5*	*0*	*1*
			5R	31933	115	5	0	5	32921	119	5	0	5	*28641*	*104*	*5*	*0*	*5*
			5W	30262	109	5	0	4	31198	113	5	0	4	*27142*	*98*	*5*	*0*	*3*
96	1000mA	315W[2]	FR	35666	113	3	0	2	36769	117	3	0	2	*31989*	*101*	*2*	*0*	*2*
			2	33725	107	3	0	4	34768	110	3	0	4	*30248*	*96*	*3*	*0*	*4*
			3	33782	107	3	0	5	34827	110	3	0	5	*30299*	*96*	*3*	*0*	*4*
			4	33012	105	2	0	5	34033	108	2	0	5	*29609*	*94*	*2*	*0*	*5*
			4W	32882	104	3	0	5	33899	107	3	0	5	*29492*	*93*	*3*	*0*	*5*
			5QM	33785	107	5	0	3	34830	110	5	0	3	*30302*	*96*	*5*	*0*	*2*
			5QN	35280	112	5	0	1	36371	115	5	0	1	*31643*	*100*	*5*	*0*	*1*
			5R	34080	108	5	0	5	35134	111	5	0	5	*30567*	*97*	*5*	*0*	*5*
			5W	32302	102	5	0	4	33301	106	5	0	4	*28972*	*92*	*5*	*0*	*4*
96	1225mA	395W[2]	FR	39569	101	3	0	4	43125	110	3	0	3	*37518*	*96*	*3*	*0*	*2*
			2	39569	101	3	0	4	40793	104	3	0	4	*35490*	*91*	*3*	*0*	*4*
			3	39619	101	3	0	5	40845	104	3	0	5	*35535*	*91*	*3*	*0*	*5*
			4	38723	98	3	0	5	39921	101	3	0	5	*34731*	*88*	*2*	*0*	*5*
			4W	38570	98	3	0	5	39763	101	3	0	5	*34594*	*88*	*3*	*0*	*5*
			5QM	39623	101	5	0	3	40848	104	5	0	3	*35538*	*90*	*5*	*0*	*3*
			5QN	41394	105	5	0	1	42675	109	5	0	1	*37127*	*95*	*5*	*0*	*1*
			5R	39969	102	5	0	5	41205	105	5	0	5	*35848*	*91*	*5*	*0*	*5*
			5W	37877	97	5	0	4	39048	100	5	0	4	*33986*	*87*	*5*	*0*	*4*

[1] Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.
[2] 315W and 395W 3000K versions are not DLC QPL listed. Reference highlighted cells in table.

SW1 AIRSIDE STAGING AREA WALL FIXT. 3 OF 5
SCALE: NOT TO SCALE

PHOTOMETRICS



ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
64	1	625 mA	120	135	1.4
			277		0.6
			347		0.5
			480		0.3
80	2	700 mA	120	180	1.8
			277		0.8
			347		0.6
			480		0.5
80	2	875 mA	120	235	2.4
			277		1.0
			347		0.8
			480		0.6
96	2	700 mA	120	220	2.2
			277		1.0
			347		0.8
			480		0.6
96	2	875 mA	120	280	2.8
			277		1.2
			347		1.0
			480		0.7
96	2	1000 mA	120	315	3.2
			277		1.4
			347		1.1
			480		0.8
96	2	1225 mA	120	395	4.0
			277		1.7
			347		1.4
			480		1.0

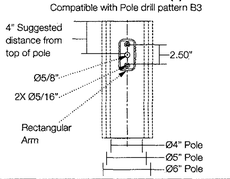
PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	[1]TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1	0.98	0.97	0.97	0.96	>377,000

[1] Projected per IESNA TM-21-11
Data references the extrapolated performance projections for the 700mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

DRILL PATTERN

RECTANGULAR ARM (A)
Compatible with Pole drill pattern B3



EPA

Config.	EPA
1	1.2
2 @ 90°	1.9
2 @ 180°	2.4
3 @ 120°	3.0
3 @ 90°	3.1
4 @ 90°	3.8

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
8/16/18
CITY OF SCOTTSDALE

SW1 AIRSIDE STAGING AREA WALL FIXT. 4 OF 5
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com

Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

REGISTERED PROFESSIONAL
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
ARIZONA U.S.A.
June 4, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.6

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

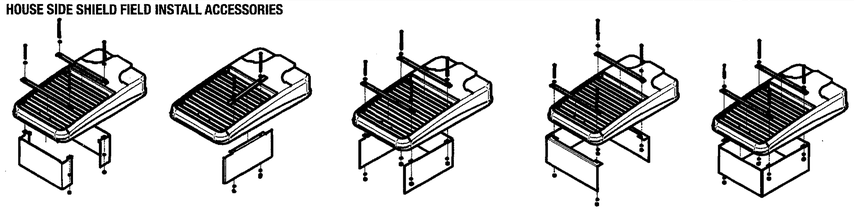
LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

TENON TOP POLE BRACKET ACCESSORIES (Order Separately)

(2 3/8" OD tenon)

Catalog Number	Description
SETAVP-XX	Square tenon adapter (4 at 90º) for A - Rectangular Arm mounting option only
RETAVP-XX	Round tenon adapter (4 at 90º) for A - Rectangular Arm mounting option only
TETAVP-XX	Hexagonal tenon adapter (4 at 90º) for A - Rectangular Arm mounting option only
SETA2XX	Square tenon adapter (4 at 90º) for AD - Universal Arm mounting option only
RETA2XX	Round tenon adapter (4 at 90º) for AD3 - Universal Arm mounting option only
TETA2XX	Hexagonal tenon adapter (3 at 120º) for AD - Universal Arm mounting option only

HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES



HSS/EVP-L/90-FB/XXX
90° shield front or back
(2 shields shown)

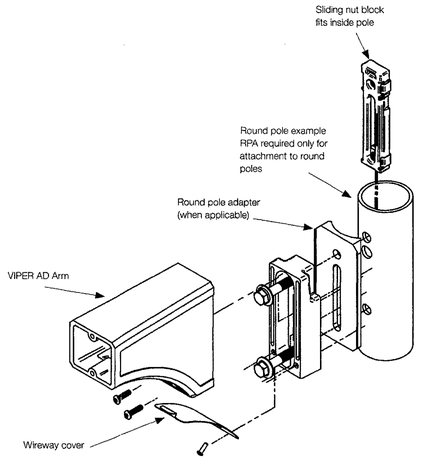
HSS/EVP-L/90-LR/XXX
90° shield left or right
(1 shield shown in left orientation)

HSS/EVP-L/270-FB/XXX
270° shield front or back
(1 shield shown in back orientation)

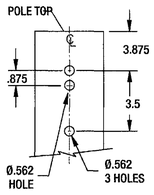
HSS/EVP-L/270-LR/XXX
270° shield left or right
(1 shield shown in right orientation)

HSS/EVP-L/360/XXX
Full shield
(1 shield shown)

AD ARM MOUNTING INSTRUCTIONS



DECORATIVE ARM (AD)
Compatible with pole drill pattern S2



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SW1 AIRSIDE STAGING AREA WALL FIXT. 5 OF 5
SCALE: NOT TO SCALE

VIPER L STRIKE

OPTICS

LARGE VIPER LUMINAIRE

Cat.#

Job

Type
SW-2

BEACON design · performance · technology

Approvals

SPECIFICATIONS

Intended Use:

The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

Electrical:

- Luminaire accepts 100V through 277V, 50 Hz to 60 Hz (UNV), 347V, or 480V input.
- Power factor is ≥ .90 at full load.
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C
- Surge protection - 20kA.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

Controls/Options:

- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the motion response system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements vary from standard configuration.
- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see www.beaconproducts.com/products/energeni).
- In addition, Viper can be specified with **SiteSync™** wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7. For more details, see ordering information or visit: www.hubbelllighting.com/sitesync

Installation:

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:

- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Certifications/Ratings:

- DesignLights Consortium (DLC) qualified, consult DLC website for more details: http://www.designlights.org/QPL
- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://www.beaconproducts.com/products/viper_large

Warranty:

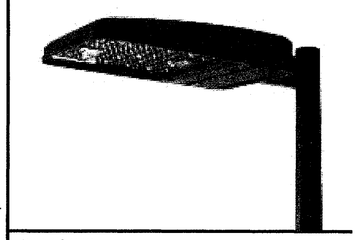
Five year limited warranty for more information visit: www.hubbelllighting.com/resources/warranty

CERTIFICATIONS/LISTINGS

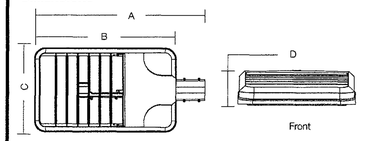
C SA US

*3000K and warmer CCTs only

PRODUCT IMAGE(S)

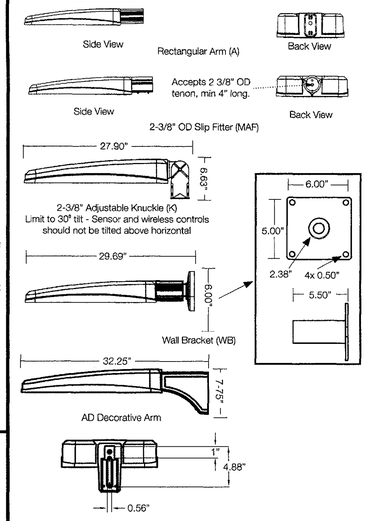


DIMENSIONS



A	B	C	D	Weight:	EPA
29.9" (741 mm)	24.19" (614 mm)	14.25" (362 mm)	4.13" (105 mm)	25.0 lbs (11.3 kg)	1.2 ft²

MOUNTING OPTIONS



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STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
DATE
INITIALS

SW2 AIRSIDE STAGING AREA WALL FIXT. 1 OF 5
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com

Larson

STAMPER HANGAR
6061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

JAMES LAWRENCE LARSON
REGISTERED ARCHITECT
CERTIFICATE NO. 9252
Jun 24, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.1

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

ORDERING INFORMATION

ORDERING EXAMPLE: VPL/96L-280/4K7/4W/UNV/A/DB/7PR-TL/GENI-04/BC

VPL [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

SERIES
- **VPL** Viper

LED ENGINE
- **64L-135** 135W LED array
- **80L-180** 180W LED array
- **80L-235** 235W LED array
- **96L-220** 220W LED array
- **96L-280** 280W LED array
- **96L-315** 315W LED array
- **96L-395** 395W LED array

CCT/CRI[7]
- **3K7** 3000K, 70 CRI
- **4K7** 4000K, 70 CRI
- **5K7** 5000K, 70 CRI

ROTATION
- Leave blank for no rotation
- **L[5]** Optic rotation left
- **R[5]** Optic rotation right

VOLTAGE
- **UNV** 120-277V
- **120** 120V
- **208** 208V
- **240** 240V
- **277** 277V
- **347** 347V
- **480** 480V

COLOR
- **BL** Black Textured
- **DB** Dark Bronze Textured
- **GYS** Light Gray Smooth
- **PS** Platinum Silver Smooth
- **WH** White Textured
- **CC** Custom Color

OPTIONS
- **F** Fusing
- **BSP** Bird Spikes
- **BC** Backlight control (limited to Type 4W only)

DISTRIBUTION
- **FR** Type 1/Front Row
- **2** Type 2
- **3** Type 3
- **4** Type 4
- **4W** Type 4 Wide
- **5QM** Type 5QM
- **5QN** Type 5QN
- **5R** Type 5R (rectangular)
- **5W** Type 5W (round wide)

MOUNTING
- **A** Rectangular Arm (formerly RA) for square or round pole
- **MAF** Mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm
- **K** Knuckle (formerly PK2) limit to 30° tilt or 2-3/8" OD horizontal arm or vertical tenon
- **WB** Wall Bracket
- **AD** Universal Arm for square pole
- **AD3** Universal Arm for 2.4"-4.1" round pole
- **AD4** Universal Arm for 4.2" -5.3" round pole
- **AD5** Universal Arm for 5.5" -5.9" round pole
- **AD6** Universal Arm for 6.0"-6.5" round pole

CONTROL OPTIONS
- **7PR** 7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)
- **7PR-SC** 7-Pin Receptacle w/Shorting Cap
- **7PR-TL** 7-Pin Receptacle w/Twist Lock photo control
- **SCP/_F[1,2,6]** Programmable Occupancy Sensor w/ daylight control (120-277 volts only)
- **GENI-XX[2]** ENERGENI
- **SWP[1,4]** SiteSync Pre-Commission
- **SWPM[1,2,4]** SiteSync Pre-Commission w/ Sensor

HOUSE SIDE SHIELD ACCESSORIES
- **HSS/EVP-L/90-FB/XXX** 90° shield front or back
- **HSS/EVP-L/90-LR/XXX** 90° shield left or right
- **HSS/EVP-L/270-FB/XXX** 270° shield front or back
- **HSS/EVP-L/270-LR/XXX** 270° shield left or right
- **HSS/EVP-L/360/XXX** Full shield

(Replace XXX with notation for desired finish color)
(Refer to page 5 for shield images)

MOUNTING ACCESSORIES
- **VPL-AD-RPA3** 2.4"-4.1" Round Pole Adapter for AD arm
- **VPL-AD-RPA4** 4.2"-5.3" Round Pole Adapter for AD arm
- **VPL-AD-RPA5** 5.5"-5.9" Round Pole Adapter for AD arm
- **VPL-AD-RPA6** 6.0"-6.5" Round Pole Adapter for AD arm

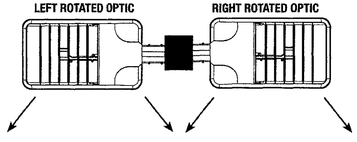
[1] Not available with other wireless control or sensor options
[2] Specify mounting height; 8 = 8' or less, 40 = 9' to 40'
[3] Specify routine setting code (example GENI-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options.
[4] Specify group and zone at time of order. See www.hubbelllighting.com/sitesync for further details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
[5] Only available with FR, 2, 3, 4, 4W and 5R distributions
[6] Order at least one SCP-REMOTE per project location to program and control the occupancy sensor
[7] This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://cdn.beaconproducts.com/content/products/specs/specs_files/Viper_Large_LED_turtle_spec_sheet.pdf

PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.hubbell-automation.com/products/sitesync/ or contact Hubbell Lighting tech support at (800) 345-4928.

SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: VP-L/80L-235/4K7/3/UNV/A/DB/SWP/ — SiteSync only
VP-L/80L-235/4K7/3/UNV/A/DB/SWPM-40F/ — SiteSync with Motion Control

LEFT ROTATED OPTIC



RIGHT ROTATED OPTIC

Accessories and Services (Ordered Separately)

Catalog Number	Description
SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
SWUSB*	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node
SWTAB*	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.
SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SW7PR*	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC

* When ordering SiteSync at least one of these two interface options must be ordered per project.
+ Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle.

Hubbell Control Solutions - Accessories (sold separately)

Catalog Number	Description	HCS System
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE™ Lighting Control

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

SiteSync 7-Pin Module



SW7PR

- All of the SiteSync Features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Available on all products that have a 7-Pin receptacle

SiteSync

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HUBBELL Lighting

SW2 AIRSIDE STAGING AREA WALL FIXT. 2 OF 5
SCALE: NOT TO SCALE

PERFORMANCE DATA				5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	LUMENS	LPW[1]	B	U	G	LUMENS	LPW[1]	B	U	G	LUMENS	LPW[1]	B	U	G
64	625 mA	135W	FR	18220	132	2	0	2	18783	137	2	0	2	16341	119	2	0	2
			2	17228	125	2	0	2	17761	129	2	0	2	15452	112	2	0	2
			3	17257	125	2	0	3	17791	129	2	0	3	15478	112	2	0	3
			4	16864	123	1	0	4	17386	126	1	0	4	15125	110	1	0	3
			4W	16797	122	2	0	3	17317	126	2	0	3	15066	109	2	0	3
			5QM	17259	125	4	0	2	17792	129	4	0	2	15479	112	4	0	2
			5QN	18023	131	4	0	0	18580	135	4	0	0	16165	117	4	0	0
			5R	17410	127	4	0	4	17948	130	4	0	4	15615	113	4	0	4
			5W	16498	120	4	0	2	17009	124	4	0	3	14797	108	4	0	2
80	700 mA	180W	FR	23230	128	2	0	2	23948	132	2	0	2	20835	115	2	0	2
			2	21965	121	3	0	3	22645	125	3	0	3	19701	109	2	0	3
			3	22003	121	2	0	4	22683	125	3	0	4	19734	109	2	0	4
			4	21502	119	2	0	4	22167	122	2	0	4	19285	106	2	0	4
			4W	21416	118	2	0	4	22079	122	2	0	4	19209	106	2	0	4
			5QM	22005	121	4	0	2	22686	125	4	0	2	19736	109	4	0	2
			5QN	22979	127	4	0	1	23689	131	4	0	1	20610	114	4	0	0
			5R	22197	122	4	0	4	22884	126	4	0	4	19909	110	4	0	4
			5W	21035	116	5	0	3	21686	120	5	0	3	18867	104	4	0	3
80	875 mA	235W	FR	27849	121	2	0	2	28711	125	2	0	2	24978	108	2	0	2
			2	26334	114	3	0	3	27148	118	3	0	4	23619	102	3	0	3
			3	26378	114	3	0	4	27194	118	3	0	4	23659	103	3	0	4
			4	25777	112	2	0	4	26575	115	2	0	5	23120	100	2	0	4
			4W	25675	111	3	0	4	26469	115	3	0	4	23028	100	3	0	4
			5QM	26381	114	4	0	2	27196	118	4	0	2	23661	103	4	0	2
			5QN	27548	119	5	0	1	28400	123	5	0	1	24708	107	5	0	1
			5R	26611	115	5	0	5	27434	119	5	0	5	23868	104	4	0	4
			5W	25218	109	5	0	3	25998	113	5	0	3	22618	98	5	0	3
96	700 mA	220W	FR	27876	128	2	0	2	28738	132	2	0	2	25002	115	2	0	2
			2	26359	121	3	0	3	27174	125	3	0	4	23641	109	3	0	3
			3	26403	121	3	0	4	27220	125	3	0	4	23681	109	3	0	4
			4	25802	119	2	0	4	26600	122	2	0	5	23142	106	2	0	4
			4W	25700	118	3	0	4	26494	122	3	0	4	23050	106	3	0	4
			5QM	26406	121	4	0	2	27222	125	4	0	2	23683	109	4	0	2
			5QN	27575	127	5	0	1	28427	131	5	0	1	24732	114	5	0	1
			5R	26637	122	5	0	5	27460	126	5	0	5	23890	110	4	0	4
			5W	25242	116	5	0	3	26023	120	5	0	3	22640	104	5	0	3
96	875 mA	280W	FR	33419	121	3	0	2	34453	125	3	0	2	*29974*	*108*	*2*	*0*	*2*
			2	31600	114	3	0	4	32577	118	3	0	4	*28342*	*102*	*3*	*0*	*4*
			3	31654	114	3	0	5	32633	118	3	0	5	*28390*	*103*	*3*	*0*	*4*
			4	30933	112	2	0	5	31889	115	2	0	5	*27744*	*100*	*2*	*0*	*5*
			4W	30810	111	3	0	5	31763	115	3	0	5	*27634*	*100*	*3*	*0*	*4*
			5QM	31657	114	5	0	3	32636	118	5	0	3	*28393*	*103*	*4*	*0*	*2*
			5QN	33058	119	5	0	1	34080	123	5	0	1	*29650*	*101*	*5*	*0*	*1*
			5R	31933	115	5	0	5	32921	119	5	0	5	*28641*	*104*	*5*	*0*	*5*
			5W	30262	109	5	0	4	31198	113	5	0	4	*27142*	*98*	*5*	*0*	*3*
96	1000mA	315W[2]	FR	35666	113	3	0	2	36769	117	3	0	2	*31989*	*101*	*2*	*0*	*2*
			2	33725	107	3	0	4	34768	110	3	0	4	*30248*	*96*	*3*	*0*	*4*
			3	33782	107	3	0	5	34827	110	3	0	5	*30299*	*96*	*3*	*0*	*4*
			4	33012	105	2	0	5	34033	108	2	0	5	*29609*	*94*	*2*	*0*	*5*
			4W	32882	104	3	0	5	33899	107	3	0	5	*29492*	*93*	*3*	*0*	*5*
			5QM	33785	107	5	0	3	34830	110	5	0	3	*30302*	*96*	*5*	*0*	*2*
			5QN	35280	112	5	0	1	36371	115	5	0	1	*31643*	*100*	*5*	*0*	*1*
			5R	34080	108	5	0	5	35134	111	5	0	5	*30567*	*97*	*5*	*0*	*5*
			5W	32302	102	5	0	4	33301	106	5	0	4	*28972*	*92*	*5*	*0*	*4*
96	1225mA	395W[2]	FR	39569	101	3	0	4	43125	110	3	0	3	*37518*	*96*	*3*	*0*	*2*
			2	39569	101	3	0	4	40793	104	3	0	4	*35490*	*91*	*3*	*0*	*4*
			3	39619	101	3	0	5	40845	104	3	0	5	*35535*	*91*	*3*	*0*	*5*
			4	38723	98	3	0	5	39921	101	3	0	5	*34731*	*88*	*2*	*0*	*5*
			4W	38570	98	3	0	5	39763	101	3	0	5	*34594*	*88*	*3*	*0*	*5*
			5QM	39623	101	5	0	3	40848	104	5	0	3	*35538*	*90*	*4*	*0*	*3*
			5QN	41394	105	5	0	1	42675	109	5	0	1	*37127*	*95*	*5*	*0*	*1*
			5R	39969	102	5	0	5	41205	105	5	0	5	*35846*	*91*	*5*	*0*	*5*
			5W	37877	97	5	0	4	39048	100	5	0	4	*33986*	*87*	*5*	*0*	*4*

[1] Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.
[2] 315W and 395W 3000K versions are not DLC QPL listed. Reference highlighted cells in table.

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HUBBELL Lighting

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
8/16/18
DATE INITIALS

SW2 AIRSIDE STAGING AREA WALL FIXT. 3 OF 5
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

JAMES LAWRENCE LARSON
REGISTERED ARCHITECT
CERTIFICATE NO.
9262
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.8

49-DR-2017

49-DR-2017

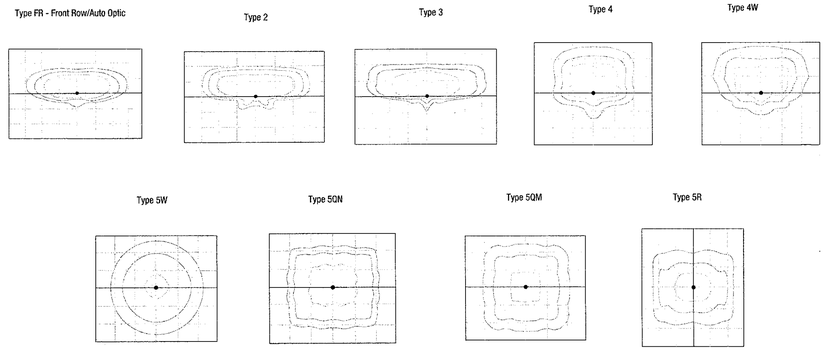
IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

PHOTOMETRICS



ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
64	1	625 mA	120	135	1.4
			277		0.6
			347		0.5
			480		0.3
80	2	700 mA	120	180	1.8
			277		0.8
			347		0.6
			480		0.5
80	2	875 mA	120	235	2.4
			277		1.0
			347		0.8
			480		0.6
96	2	700 mA	120	220	2.2
			277		1.0
			347		0.8
			480		0.6
96	2	875 mA	120	280	2.8
			277		1.2
			347		1.0
			480		0.7
96	2	1000 mA	120	315	3.2
			277		1.4
			347		1.1
			480		0.8
96	2	1225 mA	120	395	4.0
			277		1.7
			347		1.4
			480		1.0

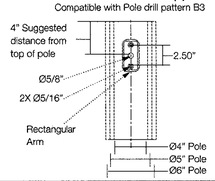
PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	[1]TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1	0.98	0.97	0.97	0.96	>377,000

[1] Projected per IESNA TM-21-11
Data references the extrapolated performance projections for the 700mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

DRILL PATTERN

RECTANGULAR ARM (A)
Compatible with Pole drill pattern B3



EPA

Config.	EPA
1	1.2
2 @ 90°	1.9
2 @ 180°	2.4

Config.	EPA
3 @ 120°	3.0
3 @ 90°	3.1
4 @ 90°	3.8

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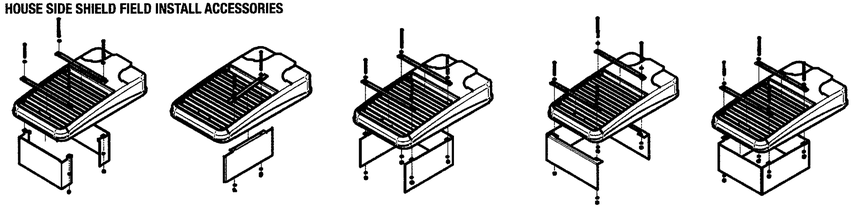
SW2 AIRSIDE STAGING AREA WALL FIXT. 4 OF 5
SCALE: NOT TO SCALE

TENON TOP POLE BRACKET ACCESSORIES (Order Separately)

(2 3/8" OD tenon)

Catalog Number	Description
SETAVP-XX	Square tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
RETAVP-XX	Round tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
TETAVP-XX	Hexagonal tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
SETA2XX	Square tenon adapter (4 at 90°) for AD - Universal Arm mounting option only
RETA2XX	Round tenon adapter (4 at 90°) for AD3 - Universal Arm mounting option only
TETA2XX	Hexagonal tenon adapter (3 at 120°) for AD - Universal Arm mounting option only

HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES



HSS/EVP-L/90-FB/XXX
90° shield front or back
(2 shields shown)

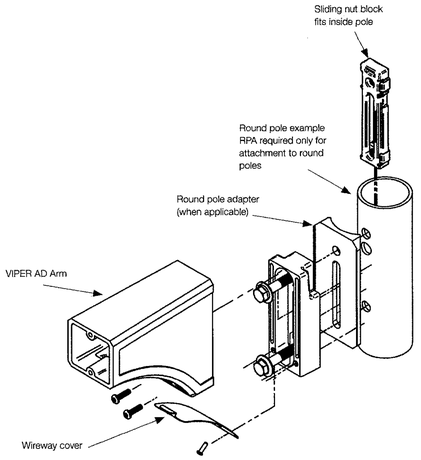
HSS/EVP-L/90-LR/XXX
90° shield left or right
(1 shield shown in left orientation)

HSS/EVP-L/270-FB/XXX
270° shield front or back
(1 shield shown in back orientation)

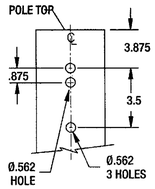
HSS/EVP-L/270-LR/XXX
270° shield left or right
(1 shield shown in right orientation)

HSS/EVP-L/360/XXX
Full shield
(1 shield shown)

AD ARM MOUNTING INSTRUCTIONS



DECORATIVE ARM (AD)
Compatible with pole drill pattern S2



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STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
DATE IN WATS

SW2 AIRSIDE STAGING AREA WALL FIXT. 5 OF 5
SCALE: NOT TO SCALE

49-DR-2017
06/20/18

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

REGISTERED
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
ARIZONA, USA
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.9

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

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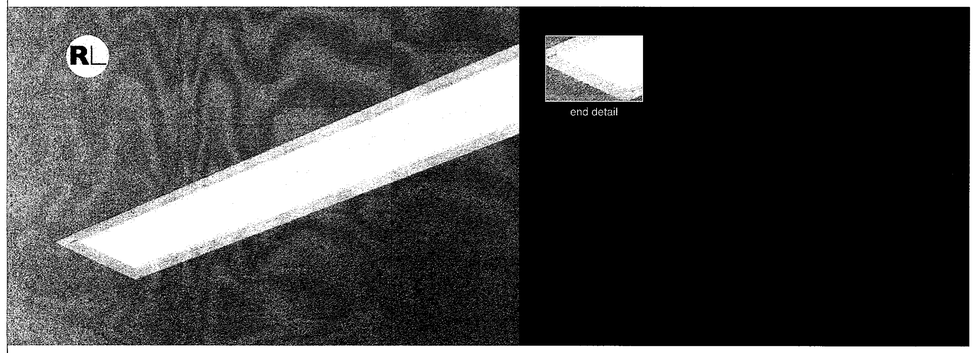
LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

TYPE SC

Seem® 2

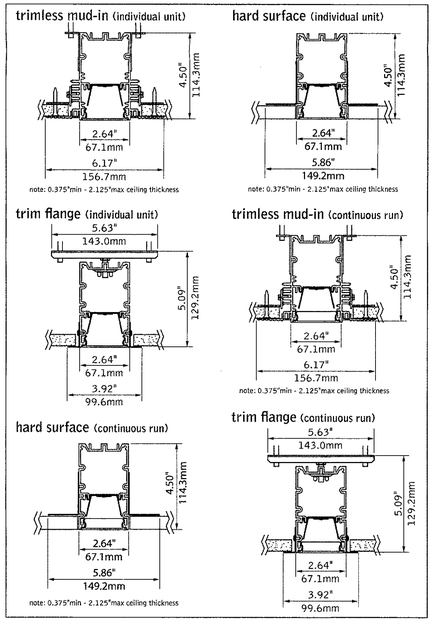
LED - WET LOCATION

FOCAL POINT



end detail

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 2.5" aperture recessed slot LED suitable for wet location.

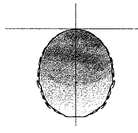
Integrates with ceiling for a clean, unobtrusive aesthetic.

Individual units and continuous runs in 1' increments.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

PERFORMANCE



4' Flush Lens
Nominal output:
250 Lumens per foot

Delivered Lumens: 1000lm

Total System Watts: 13W

PRODUCT OVERVIEW

Lumen Output:	500-2500lm
Wattage:	5-33W
LPW:	76-96
SDCM:	3

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

fixture: project:

SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 3000K, 3500K, 4000K with CRI>80, 3SDCM. LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Housing for new construction applications. 2' unit weight: 5.1 lbs., 3' unit weight: 7.6 lbs., 4' unit weight: 10.1 lbs., 5' unit weight: 12.6 lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" thick with satin finish, up to 8' continuous. .020" thick acrylic lens water shield included for continuous runs.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming.Power factor > .9.

Emergency Battery

Output - 10 watts for 90 minutes. Maximum mounting height: 17.9ft.

Labels

UL and cUL wet listed for recessed ceiling applications in indoor and outdoor locations. Lutron Drivers not recommended for outdoor environments below 0°C.

Finish

Polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

Reported: L70 at >61,000 hours L90 at >61,000 hours
Calculated: L70 at 270,000 hours L90 at 73,000 hours
Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

4' PERFORMANCE CHART

Shielding	Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Flush Lens	125LF	500	5	96
	250LF	1000	13	80
	375LF	1500	19	79
	625LF	2500	33	76

Based on 3500k. 4' lengths. *Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.
Lumen multiplier on continuous runs = 0.93

ORDERING

Luminaire Series		**FSM2LWL**
Seem 2 LED Wet Location	FSM2LWL	
Shielding		**FL**
Flush Satin Lens (Ceiling applications only)	FL	
~~**Lumen Output**~~		
125 Lumens per foot (Not available with L3D driver, 4' minimum)	125LF	
250 Lumens per foot	250LF	
375 Lumens per foot	375LF	
625 Lumens per foot	625LF	
Color Temperature		
3000K	30K	
3500K	35K	
4000K	40K	
Circuit		**1C**
Single Circuit	1C	
Voltage		**UNV**
UNV 120/277 Volt	UNV	
Control System & Dimming Level		
0-10V - 1% Dimming	L11	
0-10V - 10% Dimming	LD1	
Lutron A-Series 1% EcoSystem Digital (3' minimum length with TF mounting. Not recommended for outdoor environments below 0°C. Consult factory for 3-wire control)	L3D	
Ceiling Configuration		
Trim Flange Drywall	TF	
Mud-in Trimless, pre-set for 1/2" Drywall	XF1	
Mud-in Trimless, pre-set for 5/8" Drywall	XF2	
Mud-in Trimless, set thickness in field (Mounting equipment assembled in field)	XFF	
Non-Drywall Hard Surface	XFN	
Factory Options		
Chicago Plenum	CP	
Emergency Circuit	EC	
Emergency Battery Pack (4' lengths or longer)	EM	
6' New York City Flex Whip	FNY	
6' Flex Whip	FW	
Finish		**WH**
Matte White Housing	WH	
Luminaire Length Specify luminaire/row length in 1' increments (2' minimum, lengths are nominal. Housing length is 1" shorter than specified.)	_ft	ft

Larson Associates Architects, Inc.
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design@larson-architects.com

Larson

STAMPER HANGAR
1606 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

REGISTERED ARCHITECT
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.10

49-DR-2017

SC EXTERIOR BUILDING FIXTURE 1 OF 2
SCALE: NOT TO SCALE

SC EXTERIOR BUILDING FIXTURE 2 OF 2
SCALE: NOT TO SCALE

CONSTRUCTION SET
RETAIN FOR RECORDS
APPROVED
8/16/18 INITIALS
DATE

49-DR-2017
06/20/18

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

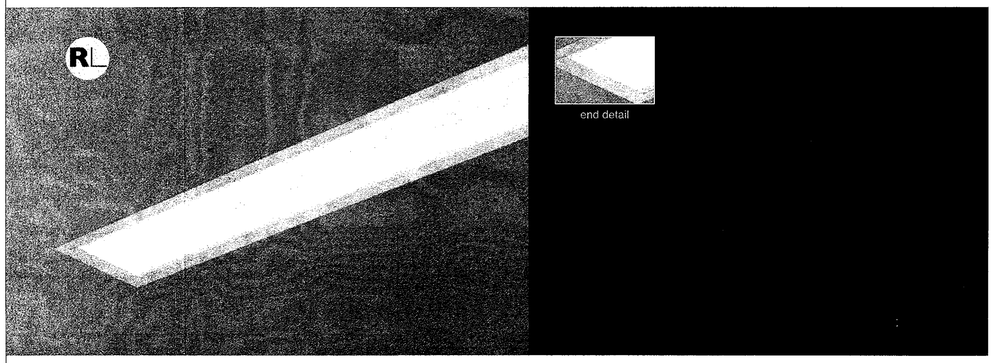
LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

Seem® 2

LED - WET LOCATION

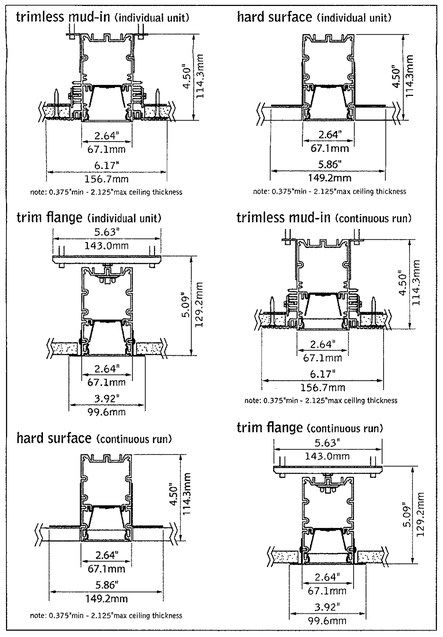
TYPE SD

FOCAL POINT®



end detail

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 2.5" aperture recessed slot LED suitable for wet location.

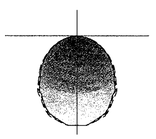
Integrates with ceiling for a clean, unobtrusive aesthetic.

Individual units and continuous runs in 1' increments.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

PERFORMANCE



4' Flush Lens
Nominal output:
250 Lumens per foot

Delivered Lumens: 1000lm

Total System Watts: 13W

PRODUCT OVERVIEW	
Lumen Output:	500-2500lm
Wattage:	5-33W
LPW:	76-96
SDCM:	3

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

fixture: project:

SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 3000K, 3500K, 4000K with CRI>80, 3SDCM. LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Housing for new construction applications. 2' unit weight: 5.1 lbs., 3' unit weight: 7.6 lbs., 4' unit weight: 10.1 lbs., 5' unit weight: 12.6 lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" thick with satin finish, up to 8' continuous. .020" thick acrylic lens water shield included for continuous runs.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming.Power factor > .9.

Emergency Battery

Output - 10 watts for 90 minutes. Maximum mounting height: 17.9ft.

Labels

UL and cUL wet listed for recessed ceiling applications in indoor and outdoor locations. Lutron Drivers not recommended for outdoor environments below 0°C.

Finish

Polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

Reported: L70 at >61,000 hours
L90 at >61,000 hours

Calculated: L70 at 270,000 hours
L90 at 73,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

4' PERFORMANCE CHART

Shielding	Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Flush Lens	125LF	500	5	96
	250LF	1000	13	80
	375LF	1500	19	79
	625LF	2500	33	76

Based on 3500k. 4' lengths. "Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.
Lumen multiplier on continuous runs - 0.93

ORDERING

Luminaire Series		**FSM2LWL**
Seem 2 LED Wet Location	FSM2LWL	
Shielding		**FL**
Flush Satin Lens (Ceiling applications only)	FL	
Lumen Output		
125 Lumens per foot	125LF	
(Not available with CSD driver, 4' minimum) 250 Lumens per foot	250LF	
375 Lumens per foot	375LF	
625 Lumens per foot	625LF	
Color Temperature		
3000K	30K	
3500K	35K	
4000K	40K	
Circuit		**1C**
Single Circuit	1C	
Voltage		**UNV**
UNV 120/277 Volt	UNV	
Control System & Dimming Level		
0-10V - 1% Dimming	L11	
0-10V - 10% Dimming	LD1	
Lutron A-Series 1% EcoSystem Digital (5' minimum length with TF mounting. Not recommended for outdoor environments below 0°C. Consult factory for 3-wire control)	L3D	
Ceiling Configuration		
Trim Flange Drywall	TF	
Mud-in Trimless, pre-set for 1/2" Drywall	XF1	
Mud-in Trimless, pre-set for 5/8" Drywall	XF2	
Mud-in Trimless, set thickness in field (Mounting equipment assembled in field)	XFF	
Non-Drywall Hard Surface	XFN	
Factory Options		
Chicago Plenum	CP	
Emergency Circuit	EC	
Emergency Battery Pack (4' lengths or longer)	EM	
6' New York City Flex Whip	FNY	
6' Flex Whip	FW	
Finish		**WH**
Matte White Housing	WH	
Luminaire Length Specify luminaire/row length in 1' increments (2' minimum, lengths are nominal. Housing length is 1" shorter than specified.)	_ft	ft

Focal Point LLC reserves the right to change specifications for product improvement without notification.

For more information visit focalpointlights.com/reference or consult factory.

SD EXTERIOR BUILDING FIXTURE 1 OF 2
SCALE: NOT TO SCALE

SD EXTERIOR BUILDING FIXTURE 2 OF 2
SCALE: NOT TO SCALE

STIPULATION SET
"RETAIN FOR RECORDS"
"APPROVED"
8/16/18
DATE
INITIALS

49-DR-2017
06/20/18

Larson Associates Architects, Inc.
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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

REGISTERED ARCHITECT
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
Date Signed
Jun 14, 2018

EXPIRES:
6/30/2021

DATE:
06-07-2018

PROJECT NUMBER:
17-029

SHEET NUMBER:
SP3.11

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

ARCHITECTURAL EGRESS

Vandal Resistant

AEL Full Cut-Off LED



Fixture Type | Date

Job Name | Approved By

Catalog Number - - - - DP - -

SPECIFICATIONS

Description The Architectural Egress Luminaire combines a unique, patented design shaped with high performance, full cut-off optics to achieve completely unobtrusive illumination of a space or path of egress. When mounted over a doorway, the fixture is perceived as an element of the building structure and, additionally, provides water protection in the form of a drip cap over the doorway. Multiple lengths are available to match a given door opening and our unique quick mount system facilitates installation and maintenance.

Housing Marine grade heat treated extruded aluminum.
Chemically primed and finished with robotically applied polyester powder coat.

Wall Mount Marine grade heat treated extruded aluminum. Chemically primed and finished with robotically applied polyester powder coat. Designed to provide quick mounting to housing and secured with (2) captive stainless steel TORX® head screws.

Lens Frame Marine grade heat treated extruded aluminum, clear anodized. Secured to fixture via integral concealed hinge and (3) captive stainless steel TORX® head screws.

Lens UV stabilized diffused extruded polycarbonate.

End Caps Die-cast marine grade aluminum continuously welded to housing. All welds ground smooth.

Reflector Electrostatically brightened anodized aluminum PVD coated and absolutely color-free of iridescence. Shaped to provide full cutoff, LED point dispersion and maximum efficiency.

Drivers Constant current drivers at 350mA. High output version utilizes 700mA.

LED Samsung LM561B+ Series @ 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L_{70} projected life of 130,000 hours at 50°C. Tested in accordance with LM-80. Ten year warranty on LED boards against operational defects.

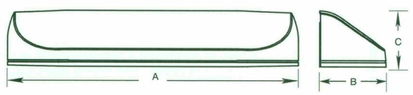
Gaskets Closed cell self-adhesive neoprene to provide watertight seal between fixture and wall and between fixture and lens frame.

UL Listing U.L., C.UL., Wet standard.

Lifetime Warranty Luminaire LED Incorporated will repair or replace any fixture damaged due to vandalism for the lifetime of the installation.

DIMENSIONAL DATA

	A	B	C
AEL 12	20.79	5.40	3.60
AEL 24	32.04	5.40	3.60
AEL 36	43.29	5.40	3.60
AEL 48	54.75	5.40	3.60
AEL 72	78.75	5.40	3.60



Luminaire Led
www.luminaireled.net
5 Sutton Place
P.O. Box 2162
Edison, NJ 08818
P. 732.549.0056
F. 732.549.9737

Luminaire LED Incorporated products are manufactured in the USA with components purchased from USA suppliers, and meet the Buy American requirements under the ARRA. Content of specification sheets is subject to change; please consult our website for current product information.

Rev: 03/18+

EM EXTERIOR EGRESS FIXTURE 1 OF 6

SCALE: NOT TO SCALE

ARCHITECTURAL EGRESS

Vandal Resistant

AEL Full Cut-Off LED

Fixture Type

ORDERING INFORMATION

SERIES	LED	CCT	VOLTS	LENS	COLOR	OPTIONS		TX/SD
				DP				
								TX/SD
AEL 12	12" - 10W	3000K	120-277	DP	BKH	☐ DIM	☐ EMBDA	
AEL 24	24" - 10W	3500K	347		BZH	☐ A/B	☐ EMB310	
AEL 36	24" - 20W	4000K			SVH	☐ 2B	☐ EMB310ST	
AEL 48	36" - 15W	5000K			WOP	☐ PC	☐ EMB20R	
AEL 72	36" - 30W				PCP	☐ GLR	☐ EMB125R	
	48" - 20W				CUST	☐ OCC	☐ EMB250R	
	48" - 35W					☐ OCC50	☐ ST/SC	
	72" - 30W							
	72" - 55W							

OPTIONS

LENS DP = Diffused Polycarbonate.

COLORS BKH = Black (Hammertone) | BZH = Bronze (Hammertone) | SVH = Silver (Hammertone) | WOP = White (Textured White) | PCP = Black (Prime Coat Paintable) | CUST = Custom Color (Consult Factory)

DIM 0-10V dimming driver. 10% at lowest level. (N/A with AEL12)

A/B Aluminum surface back box. Finished with polyester powder coat to match the fixture.

PC Photoelectric switch.

2B (2) LED drivers for independent LED board operation. (N/A with AEL12, N/A with the OCC option)

GLR Fuse and fuse holder.

OCC Passive infrared sensor mounted in machine hole in end cap. Maximum coverage of 10' radius from 8' height.

OCC50 Passive infrared sensor mounted in machine hole in end cap.
50% of LED's constantly on and 50% sensored. (N/A with AEL12)

EMB310 1000 lumen self-contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F).
Not available in 347V. (Available for AEL 36, AEL48, and AEL72 lengths only)

EMB310ST 1000 lumen self-testing, self-contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F).
Not available in 347V. (Available for AEL 36, AEL48, and AEL72 lengths only)

EMB20R Remote mounted micro inverter that will operate a 25W maximum load for 90 minutes.
0°C (32°F) to 45°C (113°F).

EMB125R Remote inverter that will operate a 125W maximum load for 90 minutes.
20°C (68°F) to 30°C (86°F). Not available in 347V.

EMB250R Remote inverter that will operate a 250W maximum load for 90 minutes.
20°C(68°F) to 30°C (86°F). Not available in 347V.

EMBDA Two drivers and two emergency battery packs self-contained within fixture for independent light engine operation. Each battery pack will operate each light engine for a minimum of 90 minutes.
Not available in 347V. (Available in the 72" length only)

ST/SC Slotted screws instead of TORX® head.

TX/SD TORX® head bit.

Luminaire Led
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Rev: 03/18+

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
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DATE
INITIALS

49-DR-2017
06/20/18

EM EXTERIOR EGRESS FIXTURE 2 OF 6

SCALE: NOT TO SCALE

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
ARIZONA, USA

Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.12

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

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ARCHITECTURAL EGRESS

Fixture Type

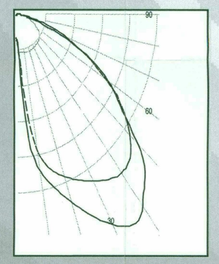
Vandal Resistant

AEL Full Cut-Off LED

PHOTOMETRIC DATA

Model	Watts	Input Watts	Delivered Lumens			
			3000K	3500K	4000K	5000K
AEL 12	10W	10.8W	747	760	784	807
AEL 24	10W	9.4W	832	847	873	899
AEL 24	20W	17.6W	1557	1585	1634	1682
AEL 36	15W	14.9W	1248	1271	1310	1348
AEL 36	30W	26.3W	2995	3049	3143	3237
AEL 48	20W	18.8W	1935	1969	2030	2090
AEL 48	35W	35.2W	3616	3682	3796	3909
AEL 72	30W	27.9W	3162	3217	3317	3417
AEL 72	55W	52.2W	5911	6017	6203	6389

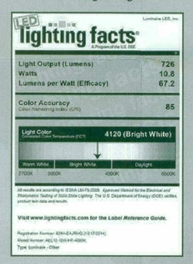
MODEL AEL12-10W-4000K
Delivered Lumens: 726 Lumens



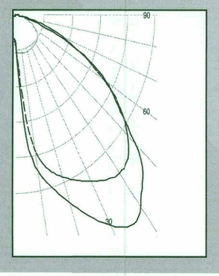
IES FILE: AEL12-10W-4000K
Total Power: 10.8W

Testing was performed in accordance with IES LM-79-08
Bug Rating: B0U0G0

Zone	Lumens	% Lamps
0 - 30	153	21.1
0 - 40	287	39.5
0 - 60	585	80.6
60 - 90	726	100.0
0 - 90	439	60.5
90 -180	0	0.0
0 - 180	726	100.0



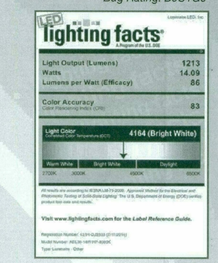
MODEL AEL36-15W-4000K
Delivered Lumens: 1213 Lumens



IES FILE: AEL36-15W-4000K
Total Power: 14.09W

Testing was performed in accordance with IES LM-79-08
Bug Rating: B0U1G0

Zone	Lumens	% Lamps
0 - 30	381	31.4
0 - 40	635	52.3
0 - 60	1063	87.7
60 - 90	150	12.3
0 - 90	1213	100.0
90 -180	0	0.0
0 - 180	1213	100.0



Luminaire Led
www.luminaireled.net

5 Sutton Place
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Rev: 03/18+

EM EXTERIOR EGRESS FIXTURE 3 OF 6
SCALE: NOT TO SCALE

ARCHITECTURAL EGRESS

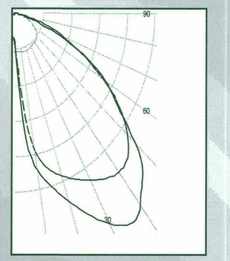
Fixture Type

Vandal Resistant

AEL Full Cut-Off LED

PHOTOMETRIC DATA

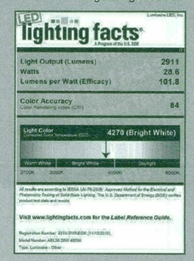
MODEL AEL36-30W-4000K
Delivered Lumens: 2911 Lumens



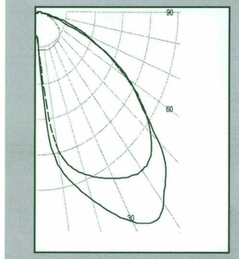
IES FILE: AEL36-30W-4000K
Total Power: 28.6W

Testing was performed in accordance with IES LM-79-08
Bug Rating: B0U0G0

Zone	Lumens	% Lamps
0 - 30	754	25.9
0 - 40	1308	44.9
0 - 60	2417	83.0
60 - 90	494	17.0
0 - 90	2911	100.0
90 -180	0	0.0
0 - 180	2911	100.0



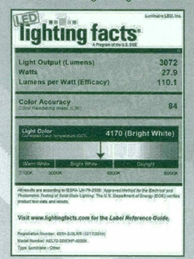
MODEL AEL72-30W-4000K
Delivered Lumens: 3072 Lumens



IES FILE: AEL72-30W-4000K
Total Power: 27.09W

Testing was performed in accordance with IES LM-79-08
Bug Rating: B1U0G1

Zone	Lumens	% Lamps
0 - 30	771	25.1
0 - 40	1353	44.1
0 - 60	2529	82.3
60 - 90	3072	100.0
0 - 90	1718	17.7
90 -180	542	0.0
0 - 180	3072	100.0



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Rev: 03/18+

EM EXTERIOR EGRESS FIXTURE 4 OF 6
SCALE: NOT TO SCALE

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
8/16/18
DATE
INITIALS
49-DR-2017
06/20/18

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

REGISTERED ARCHITECT
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
Date Signed
June 12, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: SP3.13

49-DR-2017

49-DR-2017

IN ACCORDDANCE WITH SEC. 7.600 OF THE ZONING ORDINANCE THE LIGHT FIXTURE SHALL BE SHOWN TO BE DIRECTED DOWNWARD, OR HAVE THE LIGHT SOURCE HOUSED IN A WAY THAT THE LIGHT TRESPASS IS CUT OFF TO DIRECT IT DOWNWARD.

ALL EXTERIOR LUMINAIRES THAT ARE MOUNTED EIGHT FEET OR HIGHER, ABOVE THE ADJACENT FINISH GRADE SHALL BE DIRECTED DOWNWARD

ALL EXTERIOR LUMINAIRES WITH A TOTAL INITIAL LUMEN OUTPUT OG GREATER THAN 1600 SHALL HAVE AN INTEGRAL LIGHTING SHIELD(TABLE 7.602.A.2. OF THE ZONING ORDINANCE

LUMINAIRES WITH A TOTAL LUMEN OUTPUT OF GREATER THAN 3050 SHALL BE DIRECTED DOWNWARD AND COMPLY WITH THE ILUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IEZ) REQUIREMENTS FOR FULL CUTOFF. (TABLE 7.602.A.2 OF THE ZONING ORDINANCE)

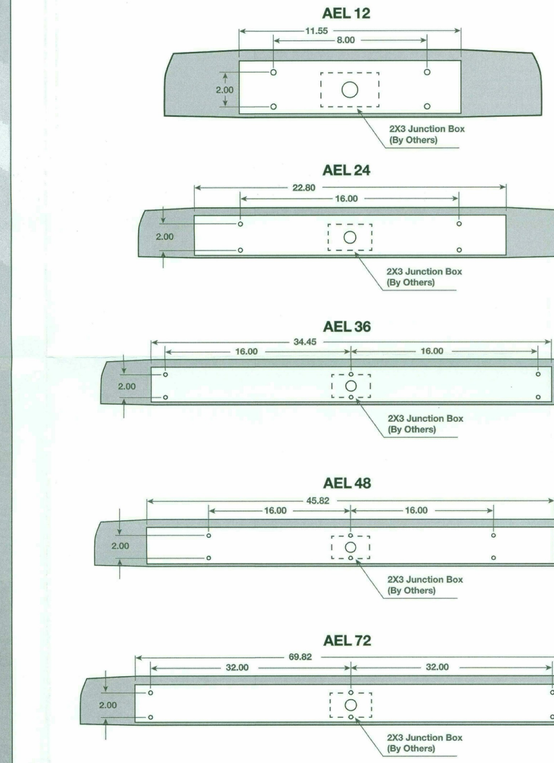
ARCHITECTURAL EGRESS

Fixture Type

Vandal Resistant

AEL Full Cut-Off LED

MOUNTING PLATE DETAILS



Luminaire Led
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Rev: 03/18+

EM EXTERIOR EGRESS FIXTURE 5 OF 6

SCALE: NOT TO SCALE

ARCHITECTURAL EGRESS

Fixture Type

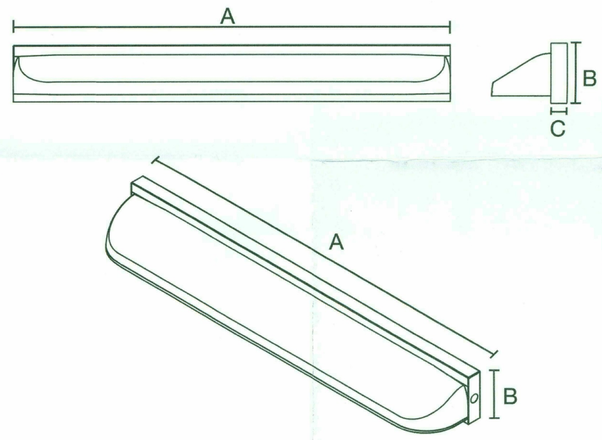
Vandal Resistant

AEL Full Cut-Off LED

ALUMINUM BACKBOX DETAIL

A/B Detail

	A	B	C
AEL 12 Backbox	20.80	5.20	1.50
AEL 24 Backbox	31.48	5.20	1.50
AEL 36 Backbox	43.30	5.20	1.50
AEL 48 Backbox	54.75	5.20	1.50
AEL 72 Backbox	78.75	5.20	1.50



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Rev: 03/18+

EM EXTERIOR EGRESS FIXTURE 6 OF 6

SCALE: NOT TO SCALE

STIPULATION SET
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APPROVED
6/6/18
DATE
INITIALS

49-DR-2017
06/20/18

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR LIGHTING CUT SHEETS

REGISTERED
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
State of Arizona, USA

Jun 14, 2018

EXPIRES:
6/30/2021

DATE:
06-07-2018

PROJECT NUMBER:
17-029

SHEET NUMBER:
SP3.14

49-DR-2017

49-DR-2017

PROJECT DESCRIPTION

THE DEVELOPMENT OF AN AIRCRAFT HANGAR WITH SUPPORTING OFFICE AND STORAGE SPACES AT THE CITY OF SCOTTSDALE MUNICIPAL AIRPORT

PROJECT ADDRESSES:	16061 N. 81ST STREET SCOTTSDALE, ARIZONA 85260
PROJECT OWNER:	STAMPER HANGER SEND ALL CORRESPONDENCE THROUGH THE ARCHITECT
PROJECT ARCHITECT:	LARSON ASSOCIATES ARCHITECTS, INC. 3807 NORTH 24TH STREET #100 PHOENIX, ARIZONA 85016 602-955-9929 602-954-4790 FAX EMAIL: bmiller@larson-architects.com
BOOK-MAP-PARCEL	APN 215-48-054
CURRENT ZONING:	I-1 (SCOTTSDALE MUNICIPAL AIRPORT)
GROSS SITE AREA:	58,797.51 S.F. (1.35 AC)
NET SITE AREA:	49,154.75 S.F. (1.13 AC)
LOT COVERAGE:	13,618 S.F. / 49,155 = 27.70%
OCCUPANCY GROUP:	S-1 - AIRCRAFT HANGAR (PER IBC SECTION 311.2) B - OFFICE SPACES (PER IBC SECTION 304.1) -NEW CONSTRUCTION 1 HOUR SEPERATION IS REQUIRED BETWEEN OCCUPANCIES B AND S-1 PER NFPA 409
CONSTRUCTION TYPE:	V-B, FULLY SPRINKLED (PER CITY OF SCOTTSDALE AMMENDMENT)

BUILDING HEIGHT:	41'-0"
FLOOR AREAS PROVIDED:	
OCCUPANCY B:	
1ST FLOOR:	2,481 S.F.
2ND FLOOR:	2,071 S.F.
2ND FLOOR BALCONY:	409 S.F.
TOTAL:	4,961 S.F.
OCCUPANCY S-1:	
1ST FLOOR:	11,137 S.F. - AIRCRAFT STORAGE AREA
2ND FLOOR:	983 S.F.
TOTAL:	12,120 S.F.
SITE COVERAGE TOTAL:	13,618 S.F. - FIRST FLOOR AREA
BUILDING TOTAL:	17,081 S.F. - BOTH FLOORS
OPEN STAGING AREA:	12,449 S.F
PARKING REQUIRED:	OFFICE AREA: 4,961 / 300 =17 SPACES HANGAR AND SUPPORT AREA: 0 SPACES REQUIRED TOTAL SPACES REQUIRED = 17 SPACES
PARKING PROVIDED:	SPACES PROVIDED = 17 = OK
ACCESSIBLE SPACES REQUIRED:	17 SPACES X 4% = 1 SPACE
VAN SPACES REQUIRED:	1 SPACE
ACCESSIBLE SPACES PROVIDED:	SPACES PROVIDED = 1 SPACE = OK
VAN SPACES PROVIDED:	1 SPACE = OK
BICYCLE PARKING REQUIRED:	18/10 = 2 SPACE
BICYCLE PARKING PROVIDED:	2 = OK
FRONTAGE YARDS REQUIRED;	
WEST (81TH STREET):	20'-0"
EAST (TAXI LANE):	20'-0"
YARD PROVIDED:	
WEST:	20'-0" TO PARKING LOT
EAST:	52'-9-1/2" TO PARKING LOT
REQUIRED OPEN SPACE:	
MAXIMUM BUILDING HEIGHT ALLOWED:	52'-0"
PROVIDED:	41'-0"
FIRST 12'-0" OF HEIGHT	= (10% X NET LOT AREA) = .10 X 49,155 S.F. = 4,915.5 S.F.
NEXT 29'-0" OF HEIGHT:	= 29' X .003 X 49,155 = 4,276 S.F.
STAGING AREA REDUCTION:	= 4,276 X .50= 2,138 S.F.
REDUCED OPEN SPACE REQUIRED:	
TOTAL REQUIRED:	= 4,915.5 + 2,138 = 7,054 S.F.
(NOT INCLUDING PARKING LOT LANDSCAPING)	
OPEN SPACE PROVIDED:	= 7,071 S.F. = OKAY
PARKING LOT LANDSCAPING REQUIRED:	9,954 X .15 = 1,493 S.F.
PARKING LOT LANDSCAPING PROVIDED:	2,108 S.F. = OKAY

FLOOR AREA RATIO:
PER CITY OF SCOTTSDALE ZONNING ORDANCE SECTION 5.1804.A
NET LOT AREA = 44,152.19 S.F. (1.01 ACRES)
F.A.R. (ALLOWED) = NLA * .8
F.A.R. (ALLOWED) = 44,152.19 * .8 = 35,321.75 S.F.
F.A.R. (PROVIDED) =

HANGAR AIRCRAFT STORAGE:	11,137 S.F.
OFFICES:	4,961 S.F.
SECOND FLOOR S-1 OCCUPANCY:	983 S.F.
TOTAL GROSS FLOOR AREA:	17,081 S.F. IS LESS THAN 35,321.75 = OKAY
F.A.R. (ALLOWED) AS PERCENT =	80%
F.A.R. (PROVIDED) AS PERCENT =	17,081 / 44,152.19 = 38.69% = OKAY

STIPULATION SET
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49-DR-2017
06/20/18

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: ZONING ANALYSIS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
REGISTERED ARCHITECT
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A0.1

49-DR-2017

49-DR-2017

PROJECT DESCRIPTION

THE DEVELOPMENT OF AN AIRCRAFT HANGAR WITH SUPPORTING OFFICE AND STORAGE SPACES AT THE CITY OF SCOTTSDALE MUNICIPAL AIRPORT

PROJECT ADDRESSES:	16061 N. 81ST STREET SCOTTSDALE, ARIZONA 85260
PROJECT OWNER:	STAMPER HANGER SEND ALL CORRESPONDENCE THROUGH THE ARCHITECT
PROJECT ARCHITECT:	LARSON ASSOCIATES ARCHITECTS, INC. 3807 NORTH 24TH STREET #100 PHOENIX, ARIZONA 85016 602-955-9929 602-954-4790 FAX EMAIL: bmiller@larson-architects.com
BOOK-MAP-PARCEL	APN 215-48-054
CURRENT ZONING:	I-1 (SCOTTSDALE MUNICIPAL AIRPORT)
GROSS SITE AREA:	58,797.51 S.F. (1.35 AC)
NET SITE AREA:	49,154.75 S.F. (1.13 AC)
LOT COVERAGE:	13,618 S.F. / 49,155 = 27.70%
OCCUPANCY GROUP:	S-1 - AIRCRAFT HANGAR (PER IBC SECTION 311.2) B - OFFICE SPACES (PER IBC SECTION 304.1) -NEW CONSTRUCTION 1 HOUR SEPERATION IS REQUIRED BETWEEN OCCUPANCIES B AND S-1 PER NFPA 409
CONSTRUCTION TYPE:	V-B, FULLY SPRINKLED (PER CITY OF SCOTTSDALE AMMENDMENT)
OCCUPANCY GROUP:	S-1 - AIRCRAFT HANGAR (PER IBC SECTION 311.2) B - OFFICE SPACES (PER IBC SECTION 304.1) -NEW CONSTRUCTION
OCCUPANCY SEPARATIONS	1 HOUR SEPARATION IS REQUIRED BETWEEN OCCUPANCIES B AND S-1 PER NFPA 409 AND NFPA 409.5.2.3 - SEE FLOOR PLAN A1.0
EXTERIOR WALL SEPARATIONS	SOUTH WALL PER 412.4
CONSTRUCTION TYPE:	II-A, FULLY SPRINKLED (PER CITY OF SCOTTSDALE AMENDMENT)

BUILDING HEIGHT ALLOWED:	
OCCUPANCY B:	2 STORIES (TABLE 503)
OCCUPANCY S-1:	2 STORIES (TABLE 503)
BUILDING HEIGHT:	
OCCUPANCY B:	2 STORY
OCCUPANCY S-1:	2 STORY
BUILDING AREA ALLOWABLE:	OCCUPANCY B (TABLE 503)
OCCUPANCY B:	37,500 S.F. PER FLOOR (5 FLOORS)
OCCUPANCY S-1:	OCCUPANCY S-1 (TABLE 503) 26,000 S.F. PER FLOOR (4 FLOORS)

BUILDING CODE DATA

FLOOR AREAS PROVIDED:

OCCUPANCY B:	
1ST FLOOR:	2,481 S.F.
2ND FLOOR:	2,071 S.F.
2ND FLOOR BALCONY:	409 S.F.
TOTAL:	4,961 S.F.
OCCUPANCY S-1:	
1ST FLOOR:	11,137 S.F. - AIRCRAFT STORAGE AREA
2ND FLOOR:	983 S.F.
TOTAL:	12,120 S.F.
SITE COVERAGE TOTAL:	13,618 S.F. - FIRST FLOOR AREA
BUILDING TOTAL:	17,081 S.F. - BOTH FLOORS
MIXED AREA RATIO CHECK:	4,961/ 37,500+ 11,540/26,000
FIRST FLOOR:	.132 + .443 = .576 IS LESS THAN 1 = OK
OCCUPANCY LOAD:	OFFICE = 1 PER 100 = 53 HANGER = 1 PER 500 = 22 76 PEOPLE
USABLE AIRCRAFT STAGING AREA:	12,449 S.F.

NET LOT AREA = 44,152.19 S.F. (1.01 ACRES)
F.A.R. (ALLOWED) = NLA * .8
F.A.R. (ALLOWED) = 44,152.19 * .8 = 35,321.75 S.F.
F.A.R. (PROVIDED) =

HANGAR AIRCRAFT STORAGE:	11,137 S.F.
OFFICES:	4,961 S.F.
SECOND FLOOR S-1 OCCUPANCY:	983 S.F.
TOTAL GROSS FLOOR AREA:	17,081 S.F. IS LESS THAN 35,321.75 = OKAY
F.A.R. (ALLOWED) AS PERCENT =	80%
F.A.R. (PROVIDED) AS PERCENT =	17,081 / 44,152.19 = 38.69% = OKAY

RESTROOM CALCULATIONS:

REQUIRED: B	1 WATER CLOSETS PER 25	=3
	1 LAVATORIES PER 40	=2
	1 DRINKING FOUNTAIN PER 100	=1
	1 SERVICE SINK	=1
REQUIRED: S-1	1 WATER CLOSETS PER 100	=1
	1 LAVATORIES PER 100	=1
	1 DRINKING FOUNT. PER 1000	=1
	1 SERVICE SINK	=1
PROVIDED:		
	1 UNISEX 3 PER SEX	=7 = OK
	1 UNISEX 2 PER SEX	=5 = OK
	1 DRINKING FOUNT. PER 1000	=1 = OK
	1 SERVICE SINK	=1 = OK

CODE INFORMATION

2012 INTERNATIONAL BUILDING CODE (IBC)	BUILDING
2012 INTERNATIONAL MECHANICAL CODE (IMC)	BUILDING
2012 INTERNATIONAL FIRE CODE (IFC)	FIRE
INCLUDING NFPA 409 (HANGAR BUILDINGS)	FIRE
2012 INTERNATIONAL ENERGY CODE (IEC)	BUILDING
2011 NATIONAL ELECTRICAL CODE (NEC)	BUILDING
2012 INTERNATIONAL PLUMBING CODE (IPC)	BUILDING
2012 INTERNATIONAL ENERGY CONSERVATION CODE	ENERGY
CITY OF SCOTTSDALE ZONING ORDINANCE (ORD NO. 455)	ZONING
AMERICANS WITH DISABILITIES ACT	BUILDING
THE FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS	AIRPORT AUTHORITY
	AIRPORT AUTHORITY
SCOTTSDALE AIRPORT ADVISORY COMMISION	ZONING
ALL CITY ADOPTED ORDINANCES	BUILDING/FIRE
ALL CITY ADOPTED AMMENDEMENT TO THESE CODES AND ALL WRITTEN CONSTRUCTION INTERPERTATIONS	MISCELLANOUS

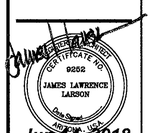
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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: BUILDING CODE ANALYSIS



EXPIRES:
6/30/2021

DATE:
06-07-2018

PROJECT NUMBER:
17-029

SHEET NUMBER:
A0.2

49-DR-2017

49-DR-2017

PROJECT DESCRIPTION

THE DEVELOPMENT OF AN AIRCRAFT HANGAR WITH SUPPORTING OFFICE AND STORAGE SPACES AT THE CITY OF SCOTTSDALE MUNICIPAL AIRPORT

PROJECT ADDRESSES:	16061 N. 81ST STREET SCOTTSDALE, ARIZONA 85260
PROJECT OWNER:	STAMPER HANGER SEND ALL CORRESPONDENCE THROUGH THE ARCHITECT
PROJECT ARCHITECT:	LARSON ASSOCIATES ARCHITECTS, INC. 3807 NORTH 24TH STREET #100 PHOENIX, ARIZONA 85016 602-955-9929 602-954-4790 FAX EMAIL: bmiller@larson-architects.com
BOOK-MAP-PARCEL	APN 215-48-054
CURRENT ZONING:	I-1 (SCOTTSDALE MUNICIPAL AIRPORT)
GROSS SITE AREA:	58,797.51 S.F. (1.35 AC)
NET SITE AREA:	49,154.75 S.F. (1.13 AC)
LOT COVERAGE:	13,618 S.F. / 49,155 = 27.70%
OCCUPANCY GROUP:	S-1 - AIRCRAFT HANGAR (PER IBC SECTION 311.2) B - OFFICE SPACES (PER IBC SECTION 304.1) -NEW CONSTRUCTION 1 HOUR SEPERATION IS REQUIRED BETWEEN OCCUPANCIES B AND S-1 PER NFPA 409
CONSTRUCTION TYPE:	V-B, FULLY SPRINKLED (PER CITY OF SCOTTSDALE AMMENDMENT)

AIRPORT AUTHORITY DATA

FLOOR AREAS PROVIDED:

OCCUPANCY B:

1ST FLOOR:	2,481 S.F.
2ND FLOOR:	2,071 S.F.
2ND FLOOR BALCONY:	409 S.F.
TOTAL:	4,961 S.F.

OCCUPANCY S-1:

1ST FLOOR:	11,137 S.F. - AIRCRAFT STORAGE AREA (A.S.A.)
2ND FLOOR:	983 S.F.
TOTAL:	12,120 S.F.

SITE COVERAGE TOTAL:	13,618 S.F. - FIRST FLOOR AREA
BUILDING TOTAL:	17,081 S.F. - BOTH FLOORS
USABLE STAGING AREA:	12,449 S.F. = GREATER THAN A.S.A. = OKAY
OTHER AIRDCRAFT AREAS HOLD SHORT TO PROPERTY LINE	3,955 S.F. - PAVED PRIVATE TAXILANE

AIRPORT AUTHORITY GENERAL NOTES

1. AIRPARK RULES AND REGULATIONS AND AIRPARK MINIMUM OPERATING STANDARDS SHALL REGULATE THE ACTIVITIES ALLOWED ON THIS PROPERTY.
2. NO AIRCRAFT SHALL BE STORED OUTSIDE OF THE HANGARS ON THIS PROPERTY.
3. ALL TENANTS SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE AIRPORT SLOT PROGRAM FOR THEIR LEASED SPACE.
4. AIRCRAFT WITH WING SPANS OF MORE THAN 66' SHALL OBTAIN PERMISION FROM THE AIRPORT PRIOR TO BEING BROUGHT TO THIS SITE.
5. THE STAGING AREA SHALL NOT HAVE A SLOPE IN EXCESS OF 2%.
6. THE STAGING AREA SHALL BE FULLY PAVED TO MEET THE FAA PAVEMENT STANDARDS AND THE REQUIREMENTS OF THE SOILS REPORT.
7. THE FAA READY LINE ("HOLD SHORT" LINE) SHALL MEET FAA STANDARDS AS REQUIRED AT THE TAXILANE EASEMENT BOUNDRY.
10. NO DROP-OFFS OR OBJECTS EXCEEDING 3" IN HEIGHT SHALL BE LOCATED WITH IN 50' OF THE TAWIAY CENTERLINE. OBJECTS INCLUDE BUT ARE NOT LIMITS TO TRANSFORMERS, SWITCHING CABINETS, FUEL FACILITIES, CURBS, HEADWALLS, RIVER ROCK, CULVERS, ETC.
11. ALL TAXILANE EASEMENTS SHALL BE WEIGHT BEARING SURFACES.
12. GROUND COVER AT THE STAGING AREA SHALL BE PAVED.
13. A FAA STANDARD EDGE LINE MUST BE PAINTED WHERE THE TAXILANE EDGE IS NOT OBVIOUS.
14. NO STORM WATER SHALL BE RETAINED IN THE TAXIWAY.
15. VEHICLES MUST OBTAIN PERMISSION PRIOR TO ENTERING THE STAGING AREA.
16. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH AIRPORT STAFF TO PLAN ALL CONSTRUCTION RELATED ACTIVITIES INCLUDING THE INSTALLATION OF CONSTRUCTION FENCING, PAVING ADJACENT TO THE TAXILANE, SITE SECURITY, AND ANY OTHER ITEMS AS DEEMED NECESSARY BY THE AIRPORT STAFF.
17. ALL FUEL TANKS, EQUIPMENT, AND CONTROLS SHALL BE BY SEPERATE SUBMITTAL AND PERMIT. ALL FUEL TANKS, EQUIPMENT, AND CONTROLS SHALL BE APPROVED BY THE CITY OF SCOTTSDALE AIRPORT AUTHORY PRIOR TO BEING SUBMITTED TO THE CITY FOR PERMITTING.
18. THE CONTRACTOR SHALL SUBMIT ALL 7460 FORMS TO THE FAA FOR TEMPORARY CRANES AND OTHER EQUIPMENT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT.

STIPULATION SET
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5/16/18
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06/20/18

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: AIRPORT AUTHORITY DATA

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
REGISTERED ARCHITECT
Jun 04, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A0.3

49-DR-2017

49-DR-2017

PROJECT DESCRIPTION

THE DEVELOPMENT OF AN AIRCRAFT HANGAR WITH SUPPORTING OFFICE AND STORAGE SPACES AT THE CITY OF SCOTTSDALE MUNICIPAL AIRPORT

PROJECT ADDRESSES:	16061 N. 81ST STREET SCOTTSDALE, ARIZONA 85260
PROJECT OWNER:	STAMPER HANGER SEND ALL CORRESPONDENCE THROUGH THE ARCHITECT
PROJECT ARCHITECT:	LARSON ASSOCIATES ARCHITECTS, INC. 3807 NORTH 24TH STREET #100 PHOENIX, ARIZONA 85016 602-955-9929 602-954-4790 FAX EMAIL: bmiller@larson-architects.com
BOOK-MAP-PARCEL	APN 215-48-054
CURRENT ZONING:	I-1 (SCOTTSDALE MUNICIPAL AIRPORT)
GROSS SITE AREA:	58,797.51 S.F. (1.35 AC)
NET SITE AREA:	49,154.75 S.F. (1.13 AC)
LOT COVERAGE:	13,618 S.F. / 49,155 = 27.70%
OCCUPANCY GROUP:	S-1 - AIRCRAFT HANGAR (PER IBC SECTION 311.2) B - OFFICE SPACES (PER IBC SECTION 304.1) -NEW CONSTRUCTION 1 HOUR SEPERATION IS REQUIRED BETWEEN OCCUPANCIES B AND S-1 PER NFPA 409
CONSTRUCTION TYPE:	V-B, FULLY SPRINKLED (PER CITY OF SCOTTSDALE AMMENDMENT)

RADIO AMPLIFICATION TEST REQUIRED

1. RADIO AMPLIFICATION FOR EMERGENCY SERVICES MAY BE IF ADEQUATE RADIO SIGNAL STRENGTH IS NOT AVAILABLE. ADEQUATE SIGNAL STRENGTH SHALL BE DETERMINED AT OR BEFORE THE TIME OF COMPLETION OF ROUGH FRAMING OR ROUGH ELECTRICAL. CITY EMERGENCY SERVICES SHALL BE CONTACTED PRIOR TO THAT STAGE TO ASSIST IN TESTING THE STRUCTURES FOR SIGNAL STRENGTH. IF IT IS DETERMINED THAT THE SIGNAL STRENGTH AS LISTED IN NEC 810 AMENDED IS NOT ADEQUATE, THE GENERAL CONTRACTOR SHALL PROVIDE A SYSTEM OF RADIO AMPLIFICATION TO MEET THESE RADIO FREQUENCY STRENGTH REQUIREMENTS. NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL FINAL APPROVAL OF THE TESTING AND/OR INSPECTION OF THE SYSTEM.

ENERGY CODE (BUILDING ENVELOP)

CLIMATE ZONE:	ZONE 2
ROOF INSULATION:	R-38 BELOW ROOF
WALLS ABOVE GRADE:	TILT SLAB MASS WITH MINIMUM R5.7 CONTINUOUS INSULATION
FRAMED FLOORS:	R-30
SLAB ON GRADE:	NONE REQUIRED
OPAQUE DOORS:	
SWING:	U - 0.61
ROLL-UP:	R-4.75
BI-FOLD:	R-4.75
FENESTRATION:	
FIXED:	U - 0.50 SHGC - 0.25
ENTRANCE:	U - 0.83
OPERABLE:	U - 0.65

GENERAL NOTES:

1. ALL HANGARS ARE TO BE USED FOR THE STORAGE OF AIRCRAFT CONSISTENT WITH GROUP II HANGAR PER 2004 NFPA 409. HANGARS ARE OF TYPE V-B (NFPA TYPE V - 000) CONSTRUCTION, THE SINGLE FIRE AREA DOES NOT EXCEED 40,000 S.F. AND THE DOOR HEIGHT IS LESS THAN 28 FEET HIGH. ALL HANGARS ARE OF GROUP II CLASSIFICATION. THE LARGEST SINGLE FIRE AREA FOR THE PROJECT IS 11,137 S.F.
2. ALL FUEL TANKS, PUMPS, ETC ARE BY SEPARATE SUBMITTAL AND PERMIT.
3. RADIO AMPLIFICATION FOR EMERGENCY SERVICES MAY BE REQUIRED IF ADEQUATE RADIO SIGNAL STRENGTH IS NOT AVAILABLE. ADEQUATE SIGNAL STRENGTH SHALL BE DETERMINED AT OR BEFORE THE TIME OF COMPLETION OF ROUGH FRAMING OR ROUGH ELECTRICAL. CITY EMERGENCY SERVICES SHALL BE CONTACTED PRIOR TO THAT STAGE TO ASSIST IN TESTING THE STRUCTURES FOR SIGNAL STRENGTH. IF IT IS DETERMINED THAT THE SIGNAL STRENGTH AS LISTED IN NEC 810 AMENDED IS NOT ADEQUATE, THE GENERLA CONTRACTOR SHALL PROVIDE A SYSTEM OF RADIO AMPLIFICATION TO MEET THESE RADIO FREQUENCY STRENGTH REQUIREMENTS. NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL FINAL APPROVAL OF THE TESTING AND/OR INSPECTION OF THE SYSTEM.
4. GENERAL CONTRACTOR SHALL COORDINATE THE REMOVAL OF ALL EXCAVATION SOLID, DIRT, GROUND, ROCK, ETC. FROM THE SITE WITH THE CITY OF SCOTTSDALE TRANSPORTATION DEPARTMENT TO MINIMIZE THE IMPACT OF REMOVAL ON THE LOCAL TRAFFIC PATTERNS AND ROADWAY IMPROVEMENTS.
5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF THE SPREAD OF DIRT AND DUST DURING DEMOLITION AND CONSTRUCTION.
6. GENERAL CONTRACTOR SHALL PROVIDE PREMISE IDENTIFICATION NUMBERING VISIBLE FROM THE STREET (MIN. VINYL NUMBERS ABOVE ENTRY DOORS IDENTIFYING THE ADDRESS AND SUITE NUMBERS) PRIOR TO THE CERTIFICATE OF OCCUPANCY AS REQUIRED BY THE CITY OF SCOTTSDALE FIRE DEPARTMENT FOR EMERGENCY SERVICES. ALL MONUMENT SIGNAGE, LANDSCAPE WALL MOUNTED SIGNAGE, BUILDING WALL MOUNTED SIGNAGE AND COMPANY/DEVELOPMENT SIGNAGE SHALL BE BY SEPARATE SUBMITTAL AND PERMIT.
7. PER IBC SECTION 412.2.6 GROUP II HANGARS AS DEFINED IN NFPA 409 STORING PRIVATE AIRCRAFT WITHOUT MAJOR MAINTENANCE OR OVERHAUL ARE EXEMPT FROM FOAM SUPPRESSION REQUIREMENTS.

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
8/16/18
INITIALS

49-DR-2017
06/20/18

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: ENERGY CODE AND NOTES

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
REGISTERED ARCHITECT
ARIZONA U.S.A.
Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A0.4

49-DR-2017

49-DR-2017

PROJECT DESCRIPTION

THE DEVELOPMENT OF AN AIRCRAFT HANGAR WITH SUPPORTING OFFICE AND STORAGE SPACES AT THE CITY OF SCOTTSDALE MUNICIPAL AIRPORT

PROJECT ADDRESSES:	16061 N. 81ST STREET SCOTTSDALE, ARIZONA 85260
PROJECT OWNER:	STAMPER HANGER SEND ALL CORRESPONDENCE THROUGH THE ARCHITECT
PROJECT ARCHITECT:	LARSON ASSOCIATES ARCHITECTS, INC. 3807 NORTH 24TH STREET #100 PHOENIX, ARIZONA 85016 602-955-9929 602-954-4790 FAX EMAIL: bmiller@larson-architects.com
BOOK-MAP-PARCEL	APN 215-48-054
CURRENT ZONING:	I-1 (SCOTTSDALE MUNICIPAL AIRPORT)
GROSS SITE AREA:	58,797.51 S.F. (1.35 AC)
NET SITE AREA:	49,154.75 S.F. (1.13 AC)
LOT COVERAGE:	13,618 S.F. / 49,155 = 27.70%
OCCUPANCY GROUP:	S-1 - AIRCRAFT HANGAR (PER IBC SECTION 311.2) B - OFFICE SPACES (PER IBC SECTION 304.1) -NEW CONSTRUCTION 1 HOUR SEPERATION IS REQUIRED BETWEEN OCCUPANCIES B AND S-1 PER NFPA 409
CONSTRUCTION TYPE:	V-B, FULLY SPRINKLED (PER CITY OF SCOTTSDALE AMMENDMENT)

2004 NFPA - FIRE CODE DATA

CODE:	NFPA 409 (AIRCRAFT HANGARS)
OCCUPANCY GROUP:	GROUP II HANGARS
OCCUPANCY SEPERATIONS	PER SECTION 5.2.3. BETWEEN HANGAR AND OFFICE
CONSTRUCTION TYPE:	TYPE II-A
BUILDING AREA ALLOWABLE:	40,000 S.F. / SINGLE FIRE AREA
BUILDING PROVIDED:	11,137 S.F. - LARGEST SINGLE FIRE AREA - OTHER SPACES SEPARATED BY ONE HOUR RATING PER SECTION 5.2.3)

AIRCRAFT HANGARS ARE TO BE USED FOR THE STORAGE OF AIRCRAFT ONLY. NO SERVICE OR MAINTENANCE SHALL BE PREFORMED ON THE SITE.

NFPA GENERAL NOTES:

1. ALL HANGARS ARE TO BE USED FOR THE STORAGE OF AIRCRAFT CONSTISTANT WITH GROUP II HANGAR NFPA 409. HANGARS ARE OF TYPE V - 000 CONSTRUCTION, THE SINGLE FIRE AREA DOES NOT EXCEED 40,000 S.F. AND THE DOOR HEIGHT IS LESS THAN 28 FEET HIGH. ALL HANGARS ARE OF GROUP II CLASSIFICATION. THE LARGEST SINGLE FIRE AREA FOR THE PROJECT IS 11,137 S.F.
2. ALL FUEL TANKS, PUMPS, ETC ARE BY SEPARATE SUBMITTAL AND PERMIT.
3. WHERE SINGLE HANGAR BUILDINGS ADJOIN EACH OTHER AND EACH HAS FIRE WALLS WITH A MINIMUM RATING OF AT LEAST 2 HOURS, NO MINIMUM SEPARATION DISTANCE SHALL BE REQUIRED. THESE BUILDINGS SHALL NOT BE CONSIDERED A HANGAR BUILDING CLUSTER.
4. PER IBC, GROUP II HANGARS AS DEFINED IN NFPA 409 STORING PRIVATE AIRCRAFT WITHOUT MAJOR MAINTENANCE OR OVERHAUL ARE EXEMPT FROM FOAM SUPPRESSION REQUIREMENTS.

SCOTTSDALE FIRE DEPARTMENT NOTES

1. SUBMIT SHOP DRAWINGS FOR ANY D=MODIFICATION OF EXISTING FIRE SPRINKLER SYSTEM AND COMPLY WITH NFPA 13 AND LOCAL ADMENDMENTS. IN LIGHT HAZARD OCCUPANCIES, EXISTING STANDARD RESPONSE SPRINKLER HEADS WITHIN TENANT SPACE SHALL BE CHANGED OUT TOQUICKL RESPONSE WHEN SCOPE OF WORK WILL ADD AND/OR RELOCATE 50% OR MORE OF SPRINKLER HEADS.
2. ALL FIRE PROTECTION SYSTEMS SHALL REMAIN OPERATIONAL AND MODIFIED AS NECESSARY FOR CODE COMPLIANCE.
3. INSTALL FIRE EXTINGUISHERS PER IFC. FIRE EXTINGUISHER QUANTITY AND LOCATION(S) SHALL BE APPROVED BY FIRE INSPECTOR.
4. EXIT AND EMERGENCY LIGHTING SHALL COMPLY WITH CITY ORDINANCE AND IFC.
5. NUMERICAL PREMISES ID MUST BE LEGIBLE FROM STREET OR DRIVE. MINIMUM 12" NUMBERS FOR BUILDING AND 4" NUMBERS FOR SUITE.
6. SUBMIT SHOP DRAWINGS FOR ANY MODIFICATION OF FIRE ALARM SYSTEM (IF EXISTING) TO COMPLY WITH NFPA 72 AND LOCAL CODES.
7. NEW TYPE I HOOD SYSTEMS REQUIRE SUBMITTAL OF PLAN FFOR AUTOMATIC HOOD EXTINGUISHING SYSTEMS IN COMPLIANCE WITH CURRENT U.L. 300 STDS. EXISTIGN TYPE I HOOD SYSTEMS SHALL BE UPGRADED TO COMPLY WITH CURRENT U.L. 300 STANDARDS.
8. WAREHOUSE RACKS FOR STORAGE OVER 12' IN HEIGHT REQUIRE A SEPARATE SUBMITTAL FOR APPROVAL PRIOR TO INSTALLATION.
9. SEPARATE SUBMITTAL AND APPROVAL IS REQUIRED FOR MAG LOCKS.
10. BULK COMPRESSED GAS STORAGE REQUIRES SEPARATE FIRE DEPARTMENT PERMIT.

STIPULATION SET
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8/16/18
DATE
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49-DR-2017
06/20/18

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STAMPER HANGER
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: NFPA CODE ANALYSIS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
REGISTERED ARCHITECT
Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A0.5

49-DR-2017

49-DR-2017

PROJECT DESCRIPTION

THE DEVELOPMENT OF AN AIRCRAFT HANGAR WITH SUPPORTING OFFICE AND STORAGE SPACES AT THE CITY OF SCOTTSDALE MUNICIPAL AIRPORT

PROJECT ADDRESSES:	16061 N. 81ST STREET SCOTTSDALE, ARIZONA 85260
PROJECT OWNER:	STAMPER HANGER SEND ALL CORRESPONDENCE THROUGH THE ARCHITECT
PROJECT ARCHITECT:	LARSON ASSOCIATES ARCHITECTS, INC. 3807 NORTH 24TH STREET #100 PHOENIX, ARIZONA 85016 602-955-9929 602-954-4790 FAX EMAIL: bmiller@larson-architects.com
BOOK-MAP-PARCEL	APN 215-48-054
CURRENT ZONING:	I-1 (SCOTTSDALE MUNICIPAL AIRPORT)
GROSS SITE AREA:	58,797.51 S.F. (1.35 AC)
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OCCUPANCY GROUP:	S-1 - AIRCRAFT HANGAR (PER IBC SECTION 311.2) B - OFFICE SPACES (PER IBC SECTION 304.1) -NEW CONSTRUCTION 1 HOUR SEPERATION IS REQUIRED BETWEEN OCCUPANCIES B AND S-1 PER NFPA 409
CONSTRUCTION TYPE:	V-B, FULLY SPRINKLED (PER CITY OF SCOTTSDALE AMMENDMENT)

FIRE ORDINANCE REQUIREMENTS

1. PREMISES IDENTIFACATION TO BE LEGIBLE FROM STREET OR DRIVE AND MUST BE ON ALL PLANS.
2. FIRE LANES AND EMERGENCY ACCESS SHALL BE PROVIDED AND MARKED IN COMPLIANCE WITH CITY ORDINANCE AND IFC AT THE FOLLOWING LOCATIONS: PER SRC, 24 WIDE, TURNING RADII 25' INSIDE, 49' OUTSIDE, PLUS 55' OUTSIDE AERIAL LADDER BUCKET SWING.
3. PROVIDE ALL WEATHER ACCESS ROADS (MIN. 16' WIDE) TO ALL BUILDINGS AND HYDRANTS FROM PUBLIC WAY DURING CONSTRUCTION.
4. A FIRE SPRINKLER SYSTEM SHALL BE INSTALLED PER NFPA STANDARDS.
5. PROVIDE A KNOX ACCESS SYSTEM:
   A. KNOX BOX
   B. PAD LOCK
   C. KNOX OVERRIDE AND PRE-EMPTION STROBE SWITCH FOR AUTOMATIC GATES.
6. THE BUILDING IS NOT INTENDED FOR THE STORAGE OF HAZARDOUS MATERIALS.
7. NOT USED.
8. PROVIDE INTERIOR TENANT NOTIFICATION WHEN OFF-SITE MONITORING IS REQUIRED. (SEE FIRE ALARM INTERPRETATIONS FOR CLARIFICATION)
9. FIRE LINES, SPRINKLER AND STANDPIPE SYSTEMS SHALL BE FLUSHED AND PRESSURE TESTED PER NFPA STANDARDS AND CITY OF SCOTTSDALE REVISED CODES.
10. BUILDINGS MAY BE SUBJECT TO INSTALLATION AND TESTING REQUIREMENTS FOR A PUBLIC SAFETY RADIO AMPLIFICATION SYSTEM.
11. BACKFLOW PREVENTION WILL BE REQUIRED ON VERTICAL RISER FOR CLASS 1 AND 2 FIRE SPRINKLER SYSTEMS PER SCOTTSDALE REVISED CODE AND NFPA 13/13R.
12. PROVIDE ALL WEATHER ACCESS ROAD (MIN. 16') TO ALL BUILDINGS AND HYDRANTS FROM A PUBLIC WAY DURING CONSTRUCTION.
13. SEE APPROVED CIVILS FOR THE NUMBER OF FIRE HYDRANTS REQUIRED. DEVELOPER SHALL HAVE THE REQUIRED HYDRANTS INSTALLED AND OPERABLE PRIOR TO THE FOOTING INSPECTION. HYDRANTS SHALL BE SPACED AT A MAXIMUM OF EXIST AT 1500 GPM. THE DEVELOPER SHALL MAKE THE C.O.S. APPROVED CIVIL WATER PLANS AVAILABLE TO THE FIRE SPRINKLER CONTRACTOR.
14. PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED SEE FLOOR PLAN SHEET A1.0.
15. EXIT AND EMERGENCY LIGHTING SHALL COMPLY WITH THE C.O.S. ORDINANCE AND THE IFC. SEE THE ELECTRICAL LIGHTING SHEETS.
16. PROVIDE "OWNER'S INFORMATION CERTIFICATE" WITH FIRE SPRINKLER PLAN SUBMITTAL.
17. FIRE LINE, SPRINKLERS AND STANDPIPE SYSTEM SHALL BE FLUSHED AND PRESSURE TESTED PER NFPA STANDARDS AND SCOTTSDALE REVISED CODES.
18. FDC SIAMESE CONNECTIONS FOR SPRINKLERS AND/OR STANDPIPES WILL BE LOCATED PER ORDINANCE AND/OR AT AN APPROVED LOCATION. MINIMIM SIZE 2-1/2 x 2-1/2 x (NSHT) OR 2-1/2 x 2-1/2 x2-1/2 x 6 IF OVER 1000 GPM 4' TO 8' BACK OF CURB; INDEPENDENT WET LINE.
19. ADEQUATE CLEARANCE SHALL BE PROVIDED AROUND FIRE RISER. DIMENSIONS FROM FACE OF PIPE SHALL MEASURE A MINIMUM OF 12" OFF THE BACK WALL, 18" ON EACH SIDE AND 36" CLEAR IN FRONT WITH A FULL HEIGHT DOOR. THE FIRE LINE SHALL EXTEND A MAXIMUM OF 3' INTO THE BUILDING FROM INSIDE FACE OF WALL TO CENTER OF PIPE.
20. SPRINKLER SYSTEM SHALL BE INSTALLED TO COMPLY WITH MINIMUM NFPA CRITERIA AND SCOTTSDALE REVISED CODES, SYSTEMS WITH 100 HEADS OF MORE SHALL HAVE OFF SITE MONITORING. AFTER BUILDING PLAN REVIEW, INSTALLING CONTRACTOR SHALL SUBMIT (3) THREE COMPLETE SETS OF DRAWINGS AND HYDRAULIC CALCULATIONS REVIEWED BY A MINIMUM NICET III DESIGN TECHNICIAN.
   A. NOT USED.
   B. NOT USED.
   C. NFPA 13 COMMERCIAL SYSTEM/DESIGN CRITERIA: PER OFFICE (LIGHT HAZARD) GROUP II HANGAR (EXTRA HAZARD GROUP 2) (NO COMODITIES OVER 8'-0" IN STACKING HEIGHT, MAX. OPERATION AREA OF 5,196 S.F, NO HAZARDOUS MATERIALS), TYPE II SEISMIC DESIGN CATEGORY AS DETERMINED BY THE STRUCTURAL DESIGNER. REQUIRED DENSITY .17/500 AT OFFICES AND AT HANGARS WITHOUT FOAM PER NFPA 409 AND IBC AND REQUIRED DENSITY OF .10/1500 FOR OFFICES.
   D. THE FIRE SPRINKLER SYSTEM DESIGN FOR WAREHOUSE/STORAGE OCCUPANCIES SHALL BE BASED ON THE FULL HEIGHT CAPACITY OF THE BUILDING PER SCOTTSDALE REVISED CODE. DESIGN CRITERIA.
   E. SPRINKLER DESIGN CRITERIA FOR UNSPECIFIED WAREHOUSE COMMODITIES: .45 OVER 3000 S.F.
   F. NOT USED.
   G. FIRE SPRINKLER SYSTEM: WET PER 2012 IBC AND NFPA 409.
21. CURRENT CODE 2012: IFC AND NFPA STANDARDS.

STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
DATE
INITIALS

49-DR-2017
06/20/18

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: FIRE ORDINANCE REQUIREMENTS

REGISTERED ARCHITECT
CERTIFICATE NO.
9262
JAMES LAWRENCE LARSON
Jun 14, 2018

EXPIRES:
6/30/2021

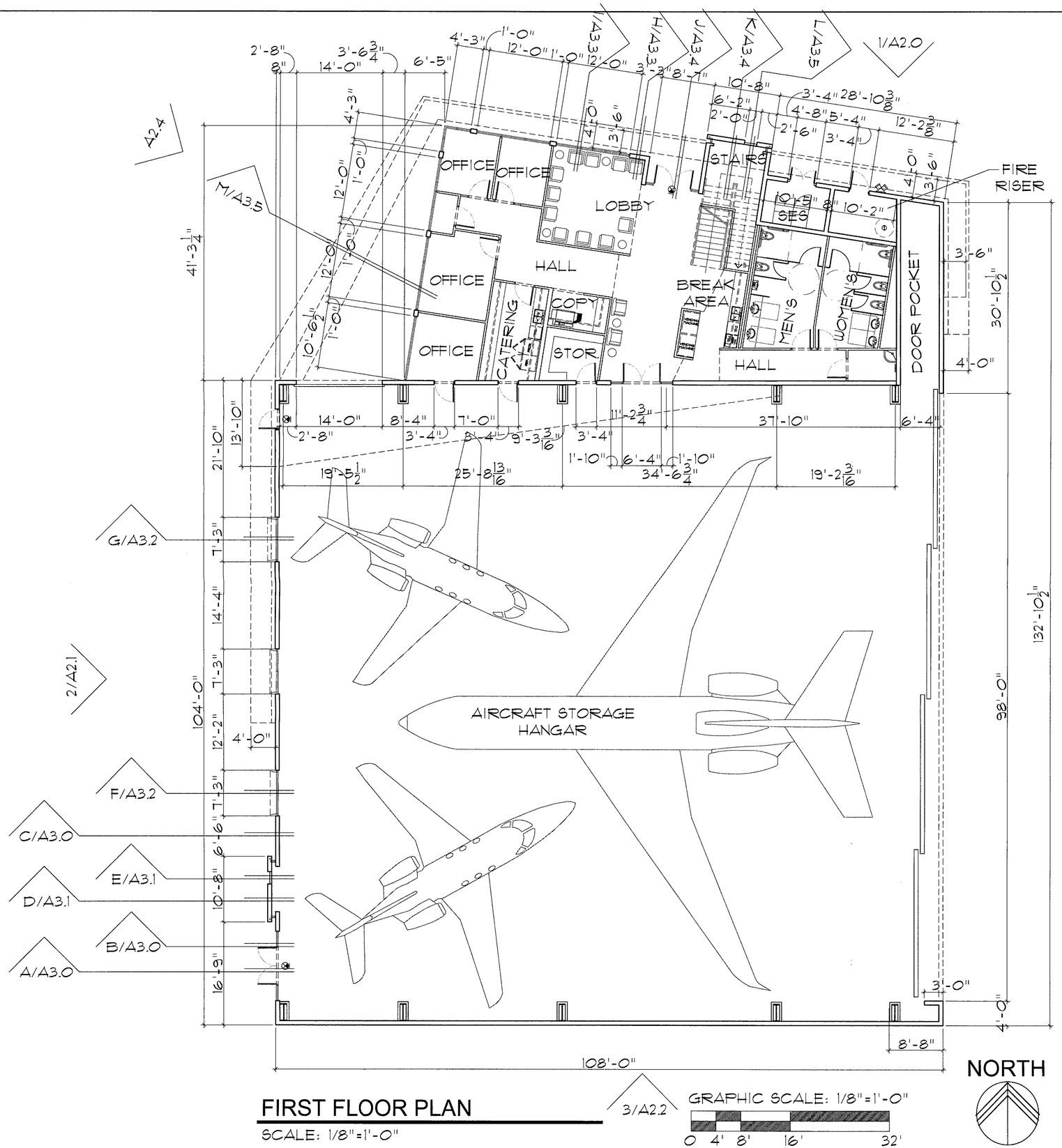
DATE:
06-07-2018

PROJECT NUMBER:
17-029

SHEET NUMBER:
A0.6

49-DR-2017

49-DR-2017



NORTH

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

0 4' 8' 16' 32'

FIRST FLOOR PLAN

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

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: FIRST FLOOR PLAN

CERTIFICATE NO. 9252 JAMES LAWRENCE LARSON Date Signed

Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A1.0

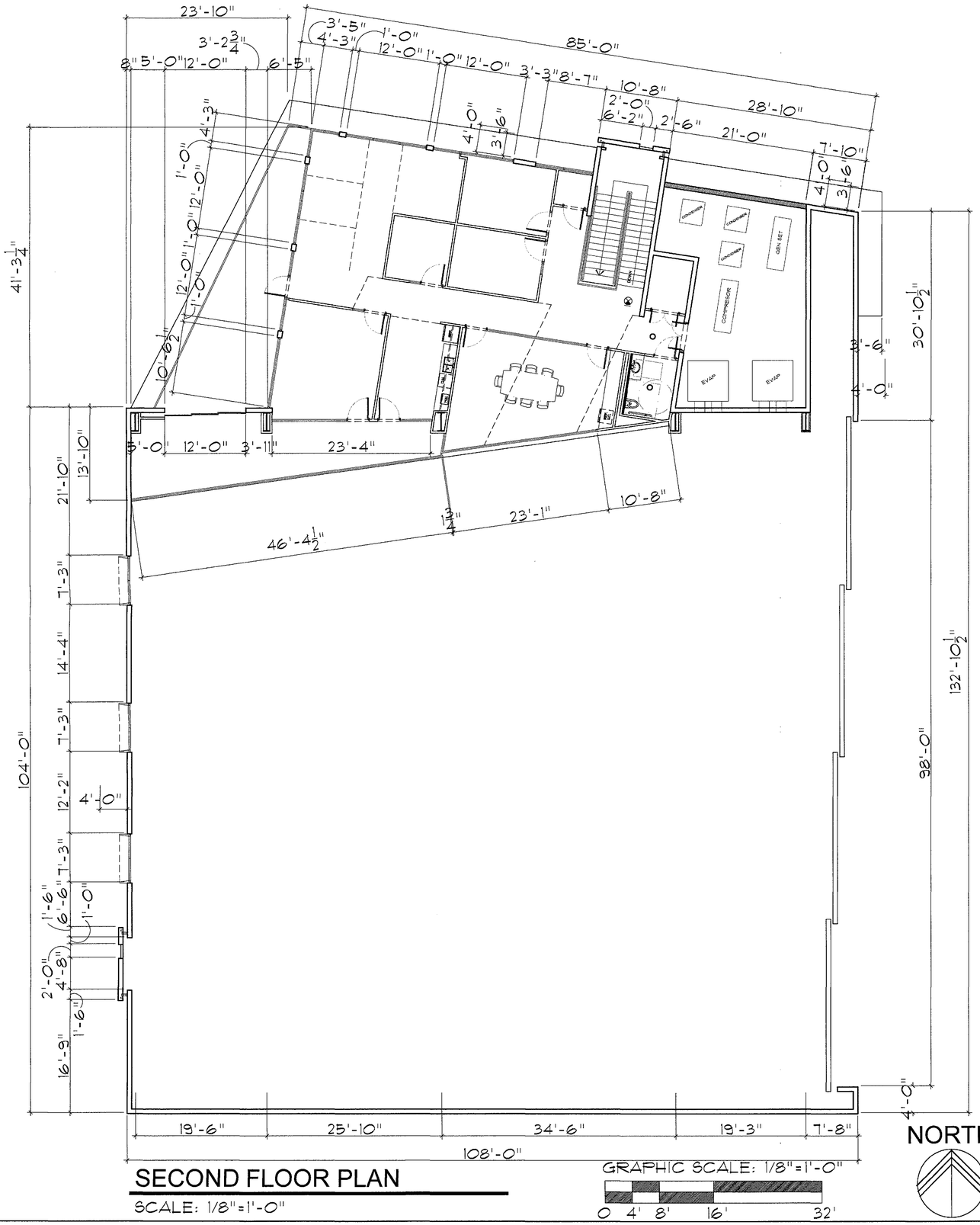
STIPULATIONS SET RETAIN FOR RECORD APPROVED

8/16/18 DATE INITIALS

49-DR-2017
06/20/18

49-DR-2017

49-DR-2017



SECOND FLOOR PLAN

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

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

0 4' 8' 16' 32'

NORTH

STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
DATE INITIALS

49-DR-2017
06/20/18

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: SECOND FLOOR PLAN

REGISTERED ARCHITECT
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
Arizona, U.S.A.
June 30, 2018

EXPIRES:
6/30/2021

DATE:
06-07-2018

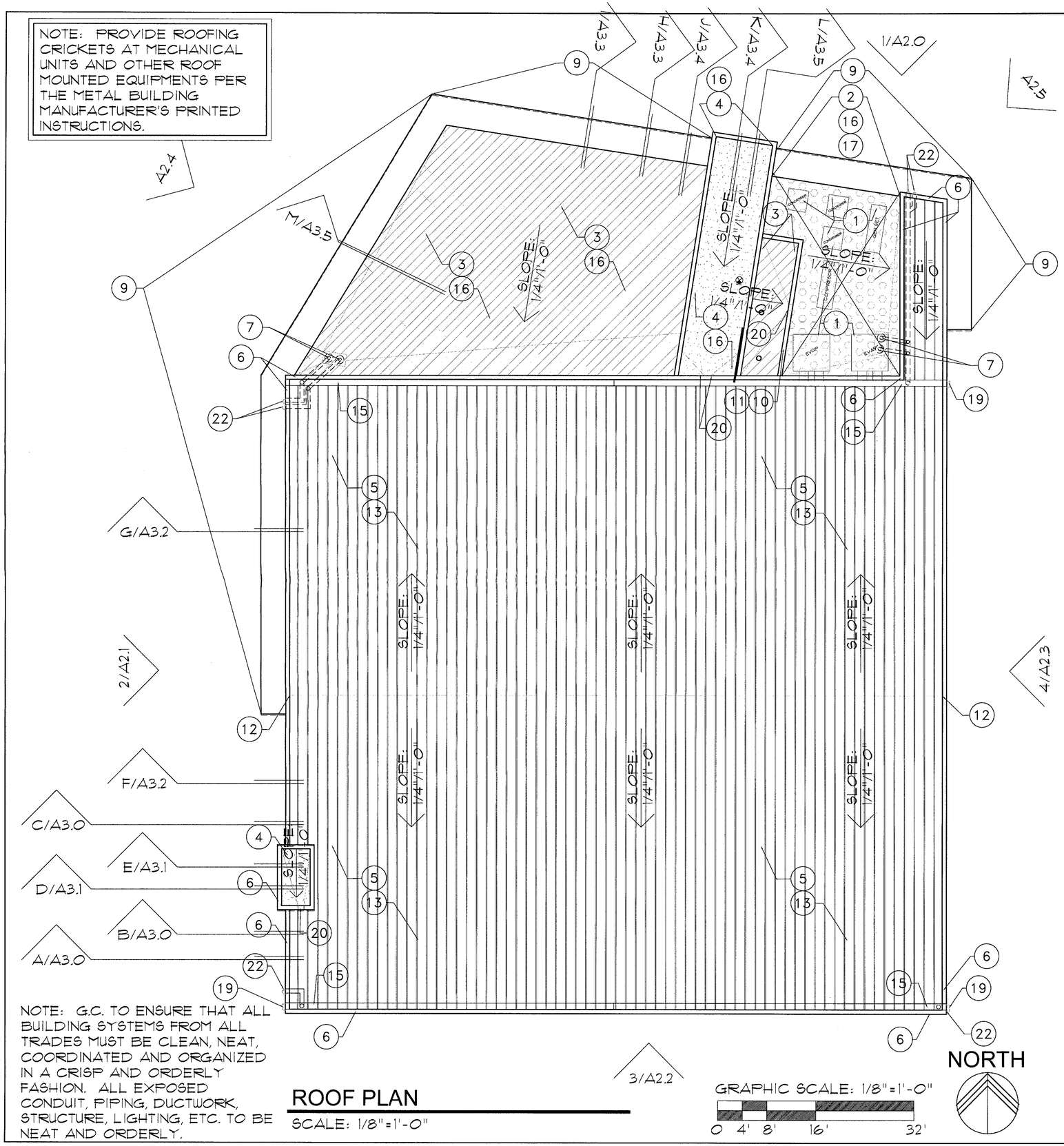
PROJECT NUMBER:
17-029

SHEET NUMBER:
A1.1

49-DR-2017

49-DR-2017

NOTE: PROVIDE ROOFING CRICKETS AT MECHANICAL UNITS AND OTHER ROOF MOUNTED EQUIPMENTS PER THE METAL BUILDING MANUFACTURER'S PRINTED INSTRUCTIONS.



ROOF PLAN KEYNOTES

1. ROOF TOP MECHANICAL UNITS INSTALLED PER MANUFACTURE STANDARDS- SEE MECHANICAL PLANS UNITS ARE MOUNTED ON THE ROOF OFF THE FIRST FLOOR
2. OPEN TO FIRST FLOOR ROOF MECHANICAL YARD
3. SECOND FLOOR OFFICE ROOF TOP AREA
4. STAIRWELL & DECORATIVE ELEMENT ROOF TOP AREA
5. HANGER ROOF TOP AREA
6. TILT-UP CONC. PANEL PARAPET- SEE WALL SECTIONS AND PARAPET CAP DETAIL 13/A5.1 TOP OF PARAPET @ 36'-0" A.F.F.
7. ROOF DRAIN & OVERFLOW DRAIN -SEE 7/A5.0 AND 3/A5.0 - SEE PLUMBING DRAWINGS FOR DRAIN RUNS - RIM OF OVERFLOW DRAINS TO BE 2" ABOVE RIM OF ROOF DRAIN - ALSO SEE METAL BUILDING DRAWINGS
8. NOT USED
9. METAL STUD AND EIFS PORTION OF PARAPET- SEE BUILDING AND WALL SECTIONS ON A3 SHEETS AND PARAPET CAP DETAILS 41/A5.6 AND STRUCTURAL DRAWINGS
10. HOSE BIBS AT FIRST FLOOR ROOF MECHANICAL YARD - SEE PLUMBING DRAWINGS
11. G.C. TO ENSURE CONVENIENCE OUTLETS AT FIRST FLOOR ROOF MECHANICAL YARD - SEE ELECTRICAL PLAN
12. CENTER RIDGE OF ROOF - SEE BUILDING SECTIONS A3 SHEETS
13. METAL BUILDING ROOF SYSTEM - WALL CLOSURE ATTACHMENTS ON METAL BUILDING SHOP DRAWINGS
14. CONCRETE TILT SLAB CAP TO EIFS CAP CONNECTIONS - SEE 42/A5.6
15. METAL BUILDING GUTTER SYSTEM - RUN TO ROOF DRAIN - SEE METAL BUILDING DRAWINGS
16. FOAM ROOFING MATERIAL OVER METAL DECKING A MIN. 12" AROUND THE ANGLED COLUMN WITH CRICKETS AT THE "HIGH" END TO PREVENT PONDING IN THE DECKING FLUTES
17. FOAM ROOF AT MECHANICAL YARD IS TO CONSIDERED A WALK PAD AND TO BE BUILT UP ACCORDINGLY
18. HIGH PARAPET WALL EXTENSION - SEE ELEVATIONS ON SHEETS A2.0 AND A2.1 AND WALL SECTIONS SHEETS (A3 SERIES)
19. THRU PARAPET OVERFLOW SCUPPER
20. THRU PARAPET OVERFLOW SCUPPER TO ROOF BELOW
21. REENFORCE ROOFING AS REQUIRED - SPLASH BLOCK AT 1ST FLOOR MECHANICAL YARD ROOF
22. LANDSCAPE SPLASH BLOCK @ ROOF DRAIN

NOTE: G.C. TO ENSURE THAT ALL BUILDING SYSTEMS FROM ALL TRADES MUST BE CLEAN, NEAT, COORDINATED AND ORGANIZED IN A CRISP AND ORDERLY FASHION. ALL EXPOSED CONDUIT, PIPING, DUCTWORK, STRUCTURE, LIGHTING, ETC. TO BE NEAT AND ORDERLY.

ROOF PLAN

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

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

0 4' 8' 16' 32'

NORTH

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: ROOF PLAN

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
Registered Architect
Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A1.7

CONSTRUCTION SET
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06/20/18

49-DR-2017

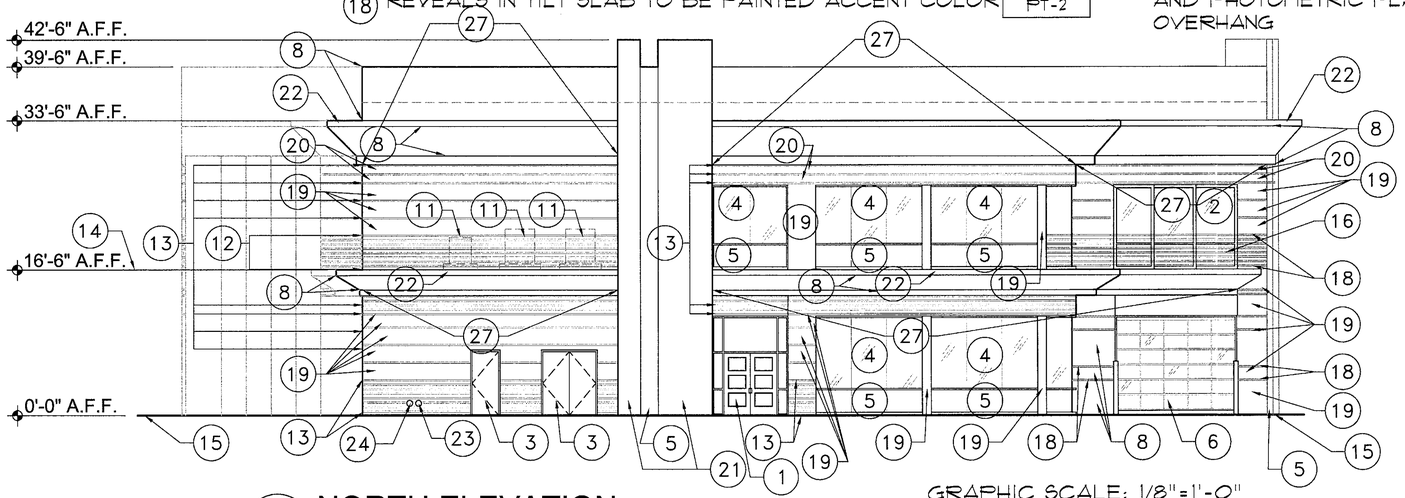
49-DR-2017

FINISH LEGEND

MATERIALS	MANUF.	MODEL	COLOR	NOTES
PT-1	DUNN EDWARDS	DE 6393 - FLAT	MOUNTAIN AIR	EXTERIOR PAINT; LRV = 70; FIELD COLOR INTERIOR = FLAT FINISH
PT-2	DUNN EDWARDS	DE 6385 - FLAT	BLACK BEAN	EXTERIOR PAINT; LRV = 7; FIELD COLOR INTERIOR = FLAT FINISH
WINDOW FRAMES	OLD CASTLE	-	CLEAR ANODIZED	OFFSET 2x6 FRAMES UNLESS NOTED OTHERWISE
UPPER EXTERIOR GLASS	GUARDIAN GLASS	GRAY 1" LOW "E"	GRAY	1" INSULATED STANDARD (TWO 1/4" PANES WITH 1/2" INSULATION GAP
LOWER EXTERIOR GLASS	GUARDIAN GLASS	MIDNIGHT 1" LOW "E"	DARK GRAY	1" INSULATED STANDARD (TWO 1/4" PANES WITH 1/2" INSULATION GAP
CONCRETE TILT SLAB	-	-	-	-
FCP-1 FIBER CONCRETE PANEL	EQUITONE	LINEA	LT20	OFFICE BUILDING ONLY
FCP-2 FIBER CONCRETE PANEL	EQUITONE	TECTIVA	TE10	OFFICE BUILDING ONLY
FCP-3 FIBER CONCRETE PANEL	EQUITONE	NATURA	NO73	OFFICE BUILDING ONLY
B-DECK	-	-	-	-

ELEVATION KEYNOTES NOTE: NOT ALL KEYNOTES MAY BE USED ON THIS SHEET

1. CLEAR ANODIZED ALUM WINDOW & DOOR FRAMES
2. CLEAR ANODIZED ALUM NANA WALL OR EQUAL - FIRE SHUTTER TO BE INSTALLED IN CEILING ABOVE DOOR
3. HOLLOW METAL DOOR & DOOR FRAME TO BE PAINTED FIELD COLOR - CLEAR ANODIZED ALUM WINDOW
4. UPPER PANE OF GLASS TO BE GUARDIAN GLASS - DUAL PANE LOW E GRAY GLASS -CLEAR ANODIZED ALUM WINDOW
5. DUAL PANE LOW E MIDNIGHT GLASS - GUARDIAN GLASS -LOWER PANE OF GLASS AT OFFICE WINDOWS
6. CLEAR ANODIZED ALUM GARAGE DOOR WITH GLAZING - LOW E MIDNIGHT GLASS - GUARDIAN GLASS
7. HANGAR DOOR PAINT TO BE PAINTED FIELD COLOR PT-1
8. STUCCO SYSTEM - PAINTED PT-1
9. EXTERIOR LIGHTING-FIXTURE SW -SEE FIXTURE CUT SHEETS AND PHOTOMETRIC PLANS
10. EXTERIOR LIGHTING-FIXTURE EM -SEE FIXTURE CUT SHEETS AND PHOTOMETRIC PLANS
11. MECHANICAL UNITS BEHIND EXTERIOR WALL
12. PERFORATED - TO VENT MECHANICAL SYSTEM BEYOND PAINTED B-DECK PAINTED ACCENT COLOR PT-2
13. EXPOSED B-DECK LAYER BELOW FIBER CEMENT TO BE PAINTED ACCENT COLOR USED SIMLAR TO REVEALS IN TILT SLAB PT-2
14. LINE INDICATING INTERIOR FINISH FLOOR
15. FINISHED GRADE
16. STAINLESS STEEL RAILING SYSTEM - G.C. TO INSTALLED RAILING SYSTEM MEETS ALL IBC AND ADA CODES
17. TYPICAL CONCRETE TILT SLAB WALL FIELD COLOR TO BE PAINTED PT-1
18. REVEALS IN TILT SLAB TO BE PAINTED ACCENT COLOR PT-2
19. OFFICE BUILDING TO BE CLAD IN FIBER CEMENT - EQUITONE TECTIVA TE90 OR EQUAL FCP-2
20. OFFICE BUILDING TO BE CLAD IN FIBER CEMENT - EQUITONE NATURA NO73 OR EQUAL FCP-3
21. STAIR TOWER & VERTICAL ELEMENT TO BE FIBER CEMENT - EQUITONE LINEA LT20 - INSTALLED WITH VERTICAL PATTERN OR EQUAL FCP-1
22. BREAK METAL CAP PARAPET CAP TO BE PAINTED BUILDING FIELD COLOR PT-1
23. ROOF DRAIN - SEE ROOF PLAN & PLUMBING PLANS
24. OVER FLOW DRAIN - SEE ROOF PLAN & PLUMBING PLANS
25. OVER FLOW SCUPPER - SEE ROOF PLAN & PLUMBING PLANS
26. INTERIOR SES - LOCATED BEHIND EXTERIOR DOORS FOR DIRECT ACCESS
27. EXTERIOR ACCENT LIGHTING-FIXTURE SC -SEE FIXTURE CUT SHEETS AND PHOTOMETRIC PLANS - MOUNTED ON UNDERSIDE OF SOFFIT OVERHANG



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

GRAPHIC SCALE: 1/8"=1'-0"
0 4' 8' 16' 32'

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Larson

STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054

DRAWINGS NAME: EXTERIOR ELEVATIONS

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
STATE OF ARIZONA
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A2.0

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
8/16/18
DATE INITIALS

49-DR-2017
06/20/18

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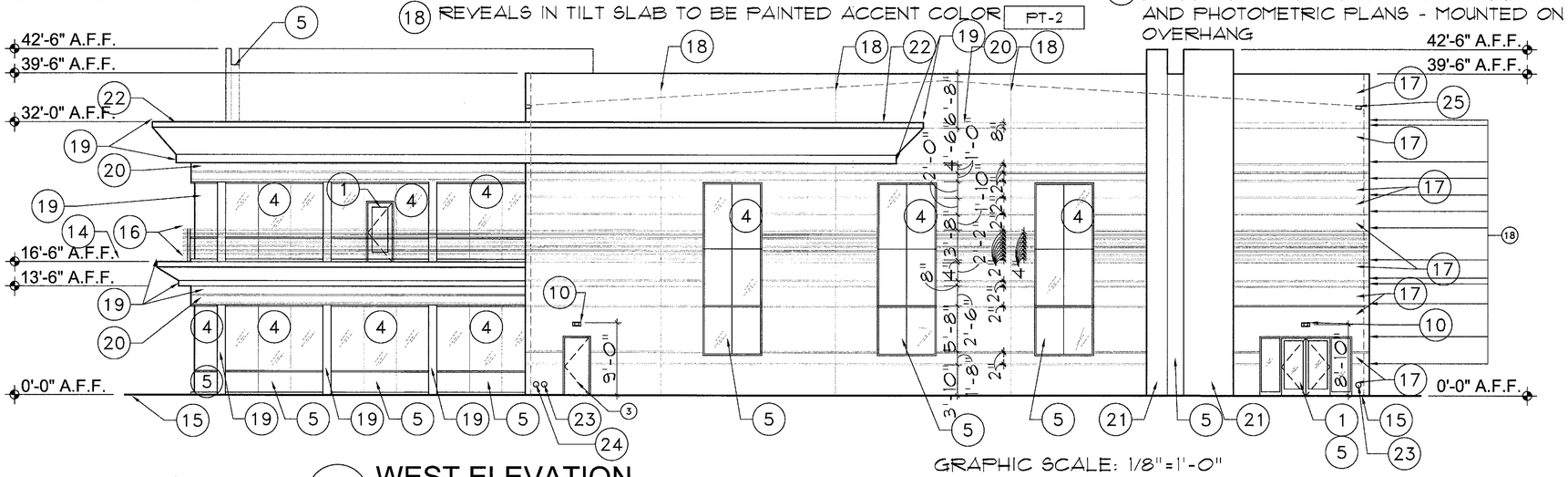
49-DR-2017

FINISH LEGEND

MATERIALS	MANUF.	MODEL	COLOR	NOTES
PT-1	DUNN EDWARDS	DE 6393 - FLAT	MOUNTAIN AIR	EXTERIOR PAINT; LRV = 70; FIELD COLOR INTERIOR = FLAT FINISH
PT-2	DUNN EDWARDS	DE 6385 - FLAT	BLACK BEAN	EXTERIOR PAINT; LRV = 7; FIELD COLOR INTERIOR = FLAT FINISH
WINDOW FRAMES	OLD CASTLE	-	CLEAR ANODIZED	OFFSET 2x6 FRAMES UNLESS NOTED OTHERWISE
UPPER EXTERIOR GLASS	GUARDIAN GLASS	GRAY 1" LOW "E"	GRAY	1" INSULATED STANDARD (TWO 1/4" PANES WITH 1/2" INSULATION GAP
LOWER EXTERIOR GLASS	GUARDIAN GLASS	MIDNIGHT 1" LOW "E"	DARK GRAY	1" INSULATED STANDARD (TWO 1/4" PANES WITH 1/2" INSULATION GAP
CONCRETE TILT SLAB	-	-	-	-
FCP-1 FIBER CONCRETE PANEL	EQUITONE	LINEA	LT20	OFFICE BUILDING ONLY
FCP-2 FIBER CONCRETE PANEL	EQUITONE	TECTIVA	TE10	OFFICE BUILDING ONLY
FCP-3 FIBER CONCRETE PANEL	EQUITONE	NATURA	NOT3	OFFICE BUILDING ONLY
B-DECK	-	-	-	-

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1. CLEAR ANODIZED ALUM WINDOW & DOOR FRAMES
2. CLEAR ANODIZED ALUM NANA WALL OR EQUAL - FIRE SHUTTER TO BE INSTALLED IN CEILING ABOVE DOOR
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8. STUCCO SYSTEM - PAINTED PT-1
9. EXTERIOR LIGHTING-FIXTURE SW -SEE FIXTURE CUT SHEETS AND PHOTOMETRIC PLANS
10. EXTERIOR LIGHTING-FIXTURE EM -SEE FIXTURE CUT SHEETS AND PHOTOMETRIC PLANS
11. MECHANICAL UNITS BEHIND EXTERIOR WALL
12. PERFORATED - TO VENT MECHANICAL SYSTEM BEYOND PAINTED B-DECK PAINTED ACCENT COLOR PT-2
13. EXPOSED B-DECK LAYER BELOW FIBER CEMENT TO BE PAINTED ACCENT COLOR USED SIMLAR TO REVEALS IN TILT SLAB PT-2
14. LINE INDICATING INTERIOR FINISH FLOOR
15. FINISHED GRADE
16. STAINLESS STEEL RAILING SYSTEM - G.C. TO INSTALLED RAILING SYSTEM MEETS ALL IBC AND ADA CODES
17. TYPICAL CONCRETE TILT SLAB WALL FIELD COLOR TO BE PAINTED PT-1
18. REVEALS IN TILT SLAB TO BE PAINTED ACCENT COLOR PT-2
19. OFFICE BUILDING TO BE CLAD IN FIBER CEMENT - EQUITONE TECTIVA TE90 OR EQUAL FCP-2
20. OFFICE BUILDING TO BE CLAD IN FIBER CEMENT - EQUITONE NATURA NOT3 OR EQUAL FCP-3
21. STAIR TOWER & VERTICAL ELEMENT TO BE FIBER CEMENT - EQUITONE LINEA LT20 - INSTALLED WITH VERTICAL PATTERN OR EQUAL FCP-1
22. BREAK METAL CAP PARAPET CAP TO BE PAINTED BUILDING FIELD COLOR PT-1
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24. OVER FLOW DRAIN - SEE ROOF PLAN & PLUMBING PLANS
25. OVER FLOW SCUPPER - SEE ROOF PLAN & PLUMBING PLANS
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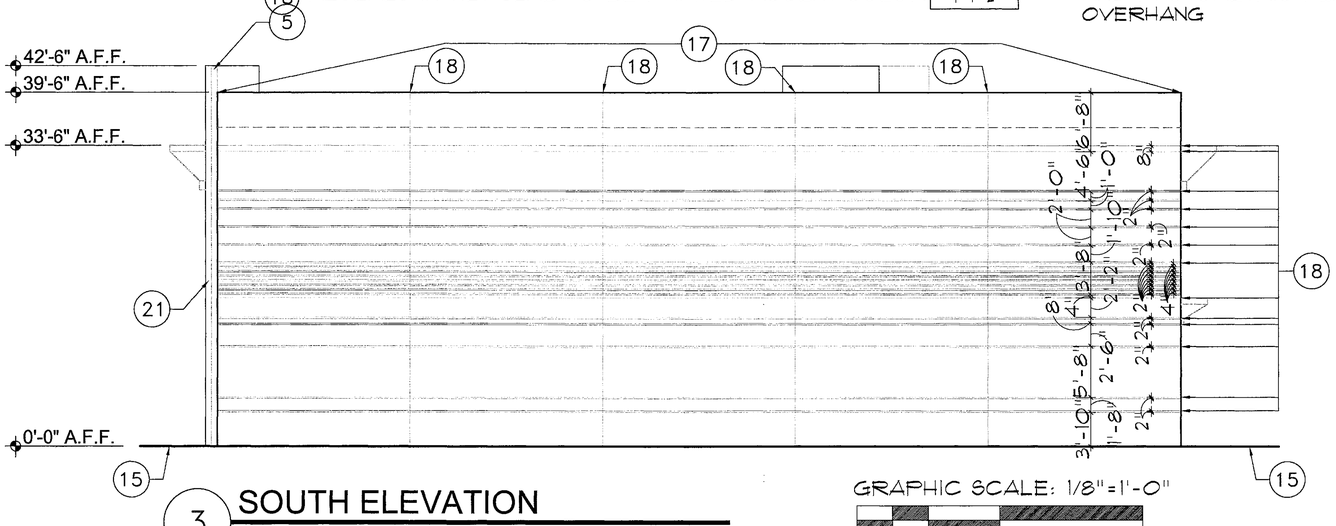

42'-6" A.F.F.
39'-6" A.F.F.
32'-0" A.F.F.
16'-6" A.F.F.
13'-6" A.F.F.
0'-0" A.F.F.
9'-0"
8'-10"
2'-0"
4'-6 1/8"
1'-0"
4'-3 1/8"
2'-2"
2'-2"
2'-2

FINISH LEGEND

MATERIALS	MANUF.	MODEL	COLOR	NOTES
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CONCRETE TILT SLAB	-	-	-	-
FCP-1 FIBER CONCRETE PANEL	EQUITONE	LINEA	LT20	OFFICE BUILDING ONLY
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FCP-3 FIBER CONCRETE PANEL	EQUITONE	NATURA	NOT3	OFFICE BUILDING ONLY
B-DECK	-	-	-	-

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6. CLEAR ANODIZED ALUM GARAGE DOOR WITH GLAZING - LOW E MIDNIGHT GLASS - GUARDIAN GLASS
7. HANGAR DOOR PAINT TO BE PAINTED FIELD COLOR [PT-1]
8. STUCCO SYSTEM - PAINTED [PT-1]
9. EXTERIOR LIGHTING-FIXTURE SW -SEE FIXTURE CUT SHEETS AND PHOTOMETRIC PLANS
10. EXTERIOR LIGHTING-FIXTURE EM -SEE FIXTURE CUT SHEETS AND PHOTOMETRIC PLANS
11. MECHANICAL UNITS BEHIND EXTERIOR WALL
12. PERFORATED - TO VENT MECHANICAL SYSTEM BEYOND PAINTED B-DECK PAINTED ACCENT COLOR [PT-2]
13. EXPOSED B-DECK LAYER BELOW FIBER CEMENT TO BE PAINTED ACCENT COLOR USED SIMLAR TO REVEALS IN TILT SLAB [PT-2]
14. LINE INDICATING INTERIOR FINISH FLOOR
15. FINISHED GRADE
16. STAINLESS STEEL RAILING SYSTEM - G.C. TO INSTALLED RAILING SYSTEM MEETS ALL IBC AND ADA CODES
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18. REVEALS IN TILT SLAB TO BE PAINTED ACCENT COLOR [PT-2]
19. OFFICE BUILDING TO BE CLAD IN FIBER CEMENT - EQUITONE TECTIVA TE90 OR EQUAL [FCP-2]
20. OFFICE BUILDING TO BE CLAD IN FIBER CEMENT - EQUITONE NATURA NOT3 OR EQUAL [FCP-3]
21. STAIR TOWER & VERTICAL ELEMENT TO BE FIBER CEMENT - EQUITONE LINEA LT20 - INSTALLED WITH VERTICAL PATTERN OR EQUAL [FCP-1]
22. BREAK METAL CAP PARAPET CAP TO BE PAINTED BUILDING FIELD COLOR [PT-1]
23. ROOF DRAIN - SEE ROOF PLAN & PLUMBING PLANS
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3 SOUTH ELEVATION
SCALE: 1/8"=1'-0"

GRAPHIC SCALE: 1/8"=1'-0"
0 4' 8' 16' 32'

STIPULATION SET
RETAIN FOR RECORD
APPROVED
8/16/18
DATE
INITIALS

49-DR-2017
06/20/18

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SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: EXTERIOR ELEVATIONS

JAMES LARSON
REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A2.2

49-DR-2017

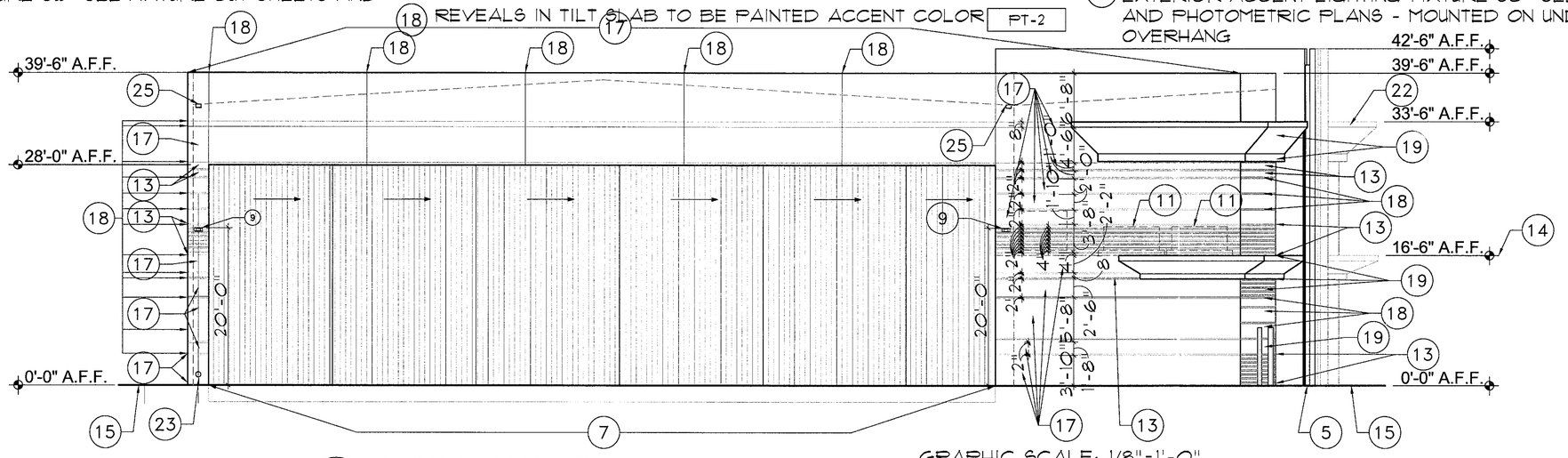
49-DR-2017

FINISH LEGEND

MATERIALS	MANUF.	MODEL	COLOR	NOTES
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CONCRETE TILT SLAB	-	-	-	-
FCP-1 FIBER CONCRETE PANEL	EQUITONE	LINEA	LT20	OFFICE BUILDING ONLY
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FCP-3 FIBER CONCRETE PANEL	EQUITONE	NATURA	NO73	OFFICE BUILDING ONLY
B-DECK	-	-	-	-

ELEVATION KEYNOTES NOTE: NOT ALL KEYNOTES MAY BE USED ON THIS SHEET

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8. STUCCO SYSTEM - PAINTED PT-1
9. EXTERIOR LIGHTING-FIXTURE SW -SEE FIXTURE CUT SHEETS AND PHOTOMETRIC PLANS
10. EXTERIOR LIGHTING-FIXTURE EM -SEE FIXTURE CUT SHEETS AND PHOTOMETRIC PLANS
11. MECHANICAL UNITS BEHIND EXTERIOR WALL
12. PERFORATED - TO VENT MECHANICAL SYSTEM BEYOND PAINTED B-DECK PAINTED ACCENT COLOR PT-2
13. EXPOSED B-DECK LAYER BELOW FIBER CEMENT TO BE PAINTED ACCENT COLOR USED SIMLAR TO REVEALS IN TILT SLAB PT-2
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20. OFFICE BUILDING TO BE CLAD IN FIBER CEMENT - EQUITONE NATURA NO73 OR EQUAL FCP-3
21. STAIR TOWER & VERTICAL ELEMENT TO BE FIBER CEMENT - EQUITONE LINEA LT20 - INSTALLED WITH VERTICAL PATTERN OR EQUAL FCP-1
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4 EAST ELEVATION
SCALE: 1/8"=1'-0"

GRAPHIC SCALE: 1/8"=1'-0"
0 4' 8' 16' 32'

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APN: 215-48-054
DRAWINGS NAME: EXTERIOR ELEVATIONS

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
June 30, 2018
EXPIRES: 6/30/2021

SITE PLAN
DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A2.3

STIPULATIONS OF HEARING FOR RECORD APPROVED
8/16/18
DATE INITIALS

49-DR-2017
06/20/18

49-DR-2017

49-DR-2017



EXTERIOR RENDERING

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

STIPULATION SET
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APPROVED
8/16/18
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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: EXTERIOR RENDERING

REGISTERED ARCHITECT
CERTIFICATE NO.
9262
JAMES LAWRENCE LARSON
Jun 21, 2018

EXPIRES:
6/30/2021

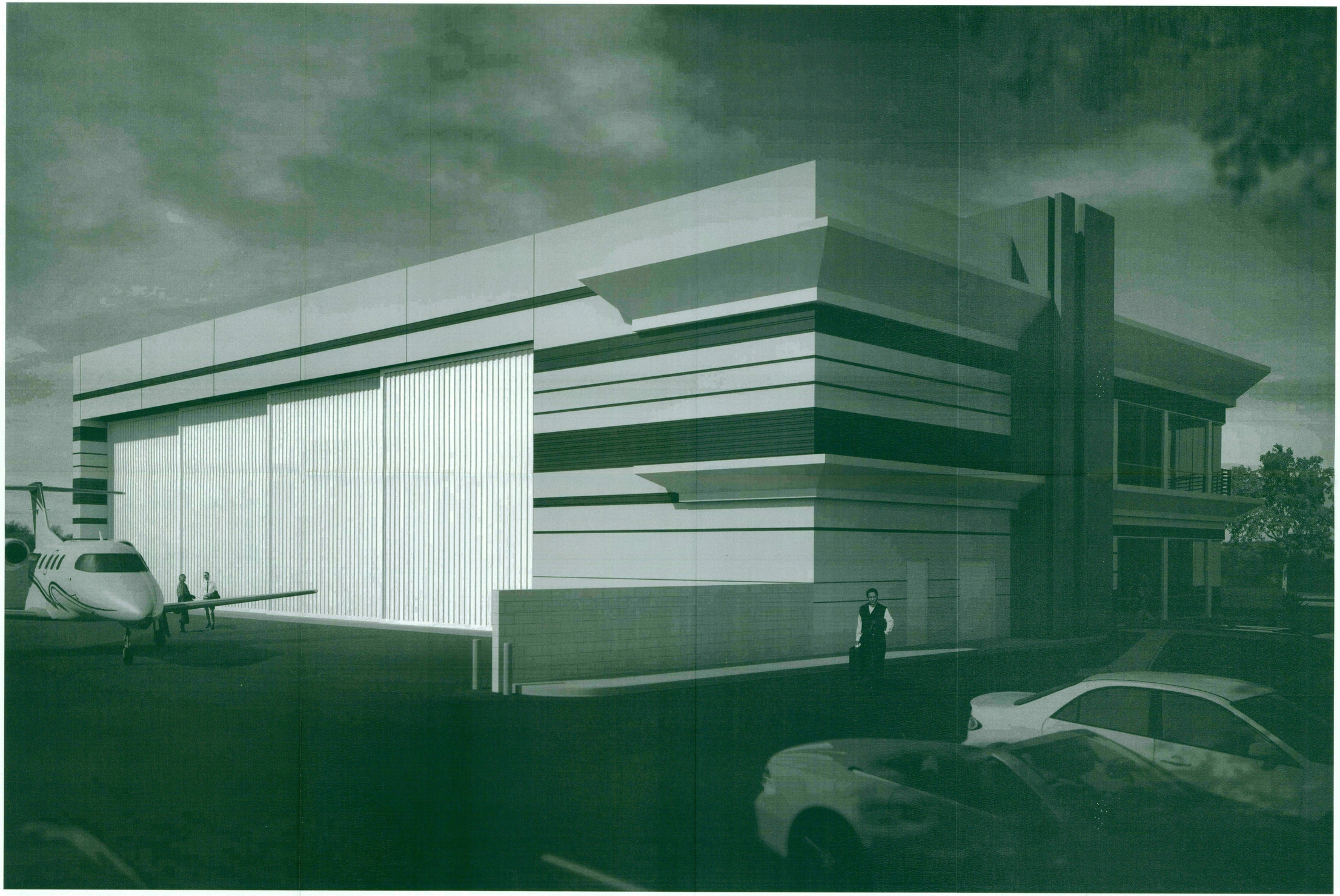
DATE:
06-07-2018

PROJECT NUMBER:
17-029

SHEET NUMBER:
A2.4

49-DR-2017

49-DR-2017



EXTERIOR RENDERING

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

STIPULATION SET
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8/16/18
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SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: EXTERIOR RENDERING

REGISTERED ARCHITECT
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
Date Signed
Jun 14, 2018

EXPIRES:
6/30/2021

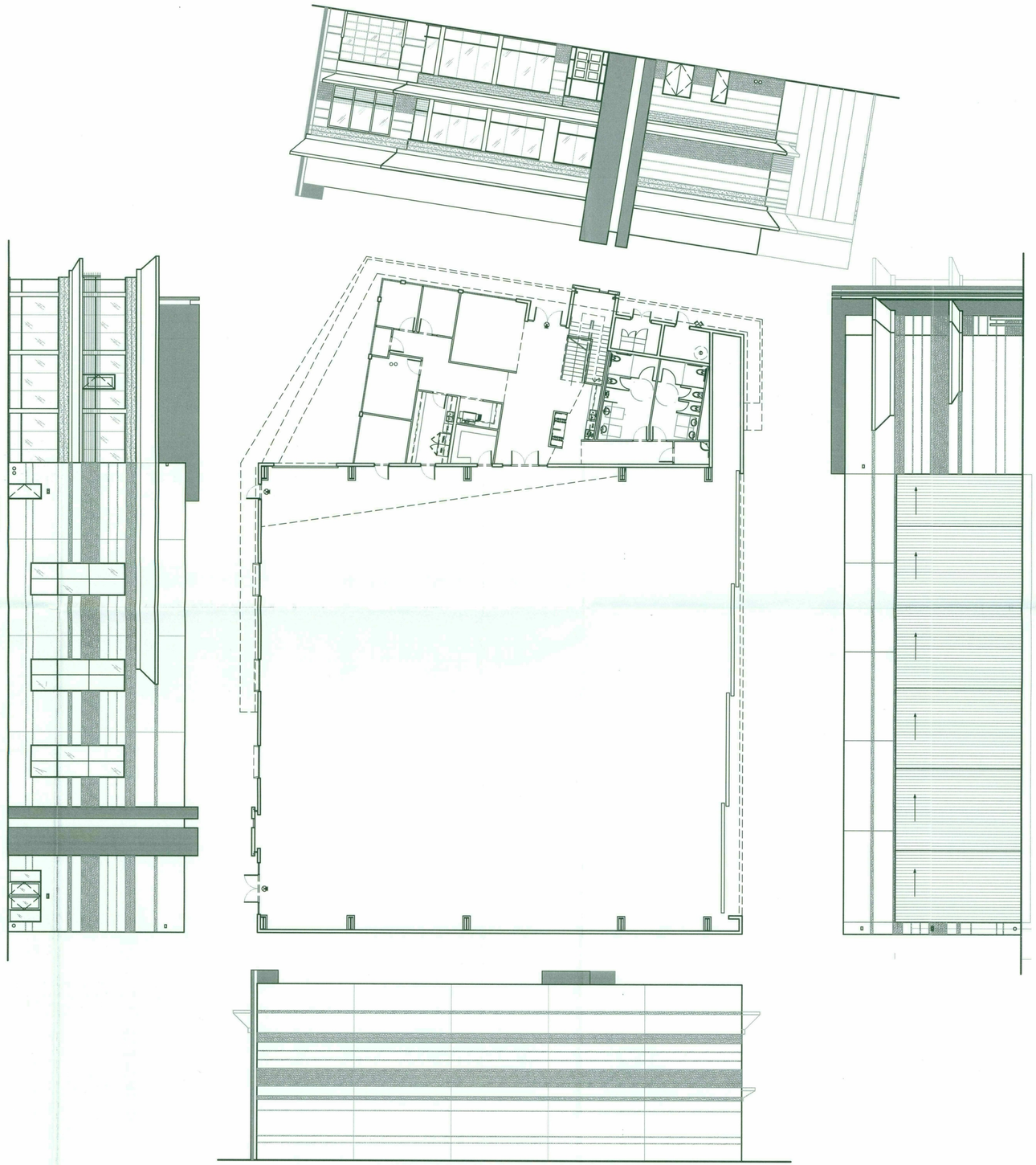
DATE:
06-07-2018

PROJECT NUMBER:
17-029

SHEET NUMBER:
A2.5

49-DR-2017

49-DR-2017



PADLADIAN DRAWING SHOWING REFENCE OF PLAN TO ELEVATIONS

SCALE: NOT TO SCALE

STIPULATION SET
RETAIN FOR RECORDS
APPROVED
8/6/18
DATE
INITIALS

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SCOTTSDALE, AZ
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June 14, 2018

EXPIRES:
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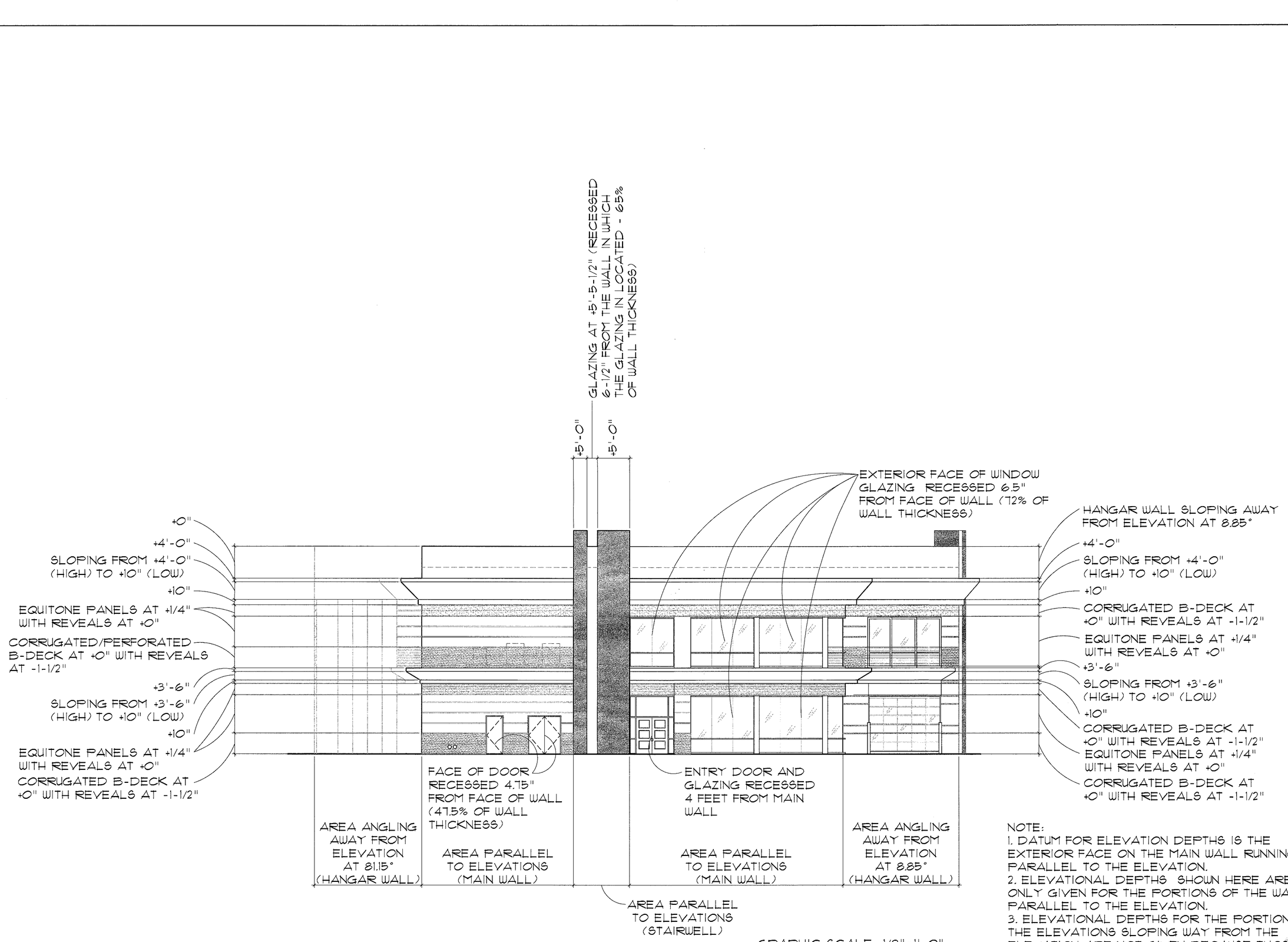
DATE:
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PROJECT NUMBER:
17-029

SHEET NUMBER:
A2.6

49-DR-2017

49-DR-2017



1 NORTH ELEVATION

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

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

0 4' 8' 16' 32'

NOTE:
1. DATUM FOR ELEVATION DEPTHS IS THE EXTERIOR FACE ON THE MAIN WALL RUNNING PARALLEL TO THE ELEVATION.
2. ELEVATIONAL DEPTHS SHOWN HERE ARE ONLY GIVEN FOR THE PORTIONS OF THE WALLS PARALLEL TO THE ELEVATION.
3. ELEVATIONAL DEPTHS FOR THE PORTIONS OF THE ELEVATIONS SLOPING WAY FROM THE ELEVATION ARE NOT GIVEN BECAUSE THOSE DEPTHS ARE CONSTANTLY CHANGING COMPARED TO THE DATUM ELEVATION.

49-DR-2017
06/20/18

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STAMPER HANGAR
16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: EXTERIOR ELEVATIONS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9262
REGISTERED ARCHITECT
Jun 14, 2018

EXPIRES: 6/30/2021

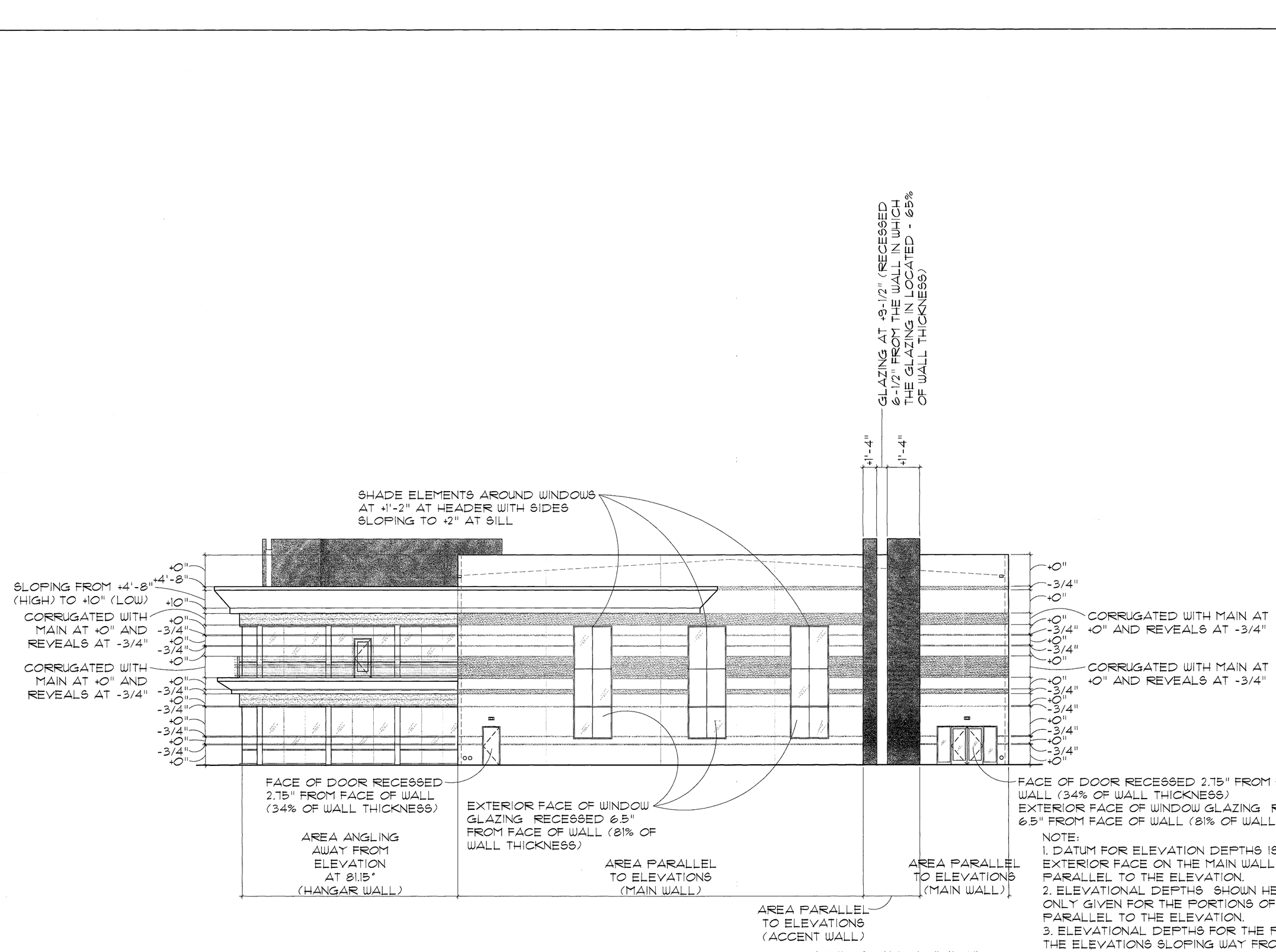
DATE: 06-07-2018

PROJECT NUMBER: 17-029

SHEET NUMBER: A2.7

49-DR-2017

49-DR-2017



NOTE:
1. DATUM FOR ELEVATION DEPTHS IS THE EXTERIOR FACE ON THE MAIN WALL RUNNING PARALLEL TO THE ELEVATION.
2. ELEVATIONAL DEPTHS SHOWN HERE ARE ONLY GIVEN FOR THE PORTIONS OF THE WALLS PARALLEL TO THE ELEVATION.
3. ELEVATIONAL DEPTHS FOR THE PORTIONS OF THE ELEVATIONS SLOPING WAY FROM THE ELEVATION ARE NOT GIVEN BECAUSE THOSE DEPTHS ARE CONSTANTLY CHANGING COMPARED TO THE DATUM ELEVATION.

2 WEST ELEVATION

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

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16061 NORTH 81ST STREET
SCOTTSDALE, AZ
APN: 215-48-054
DRAWINGS NAME: EXTERIOR ELEVATIONS

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Jun 14, 2018
EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

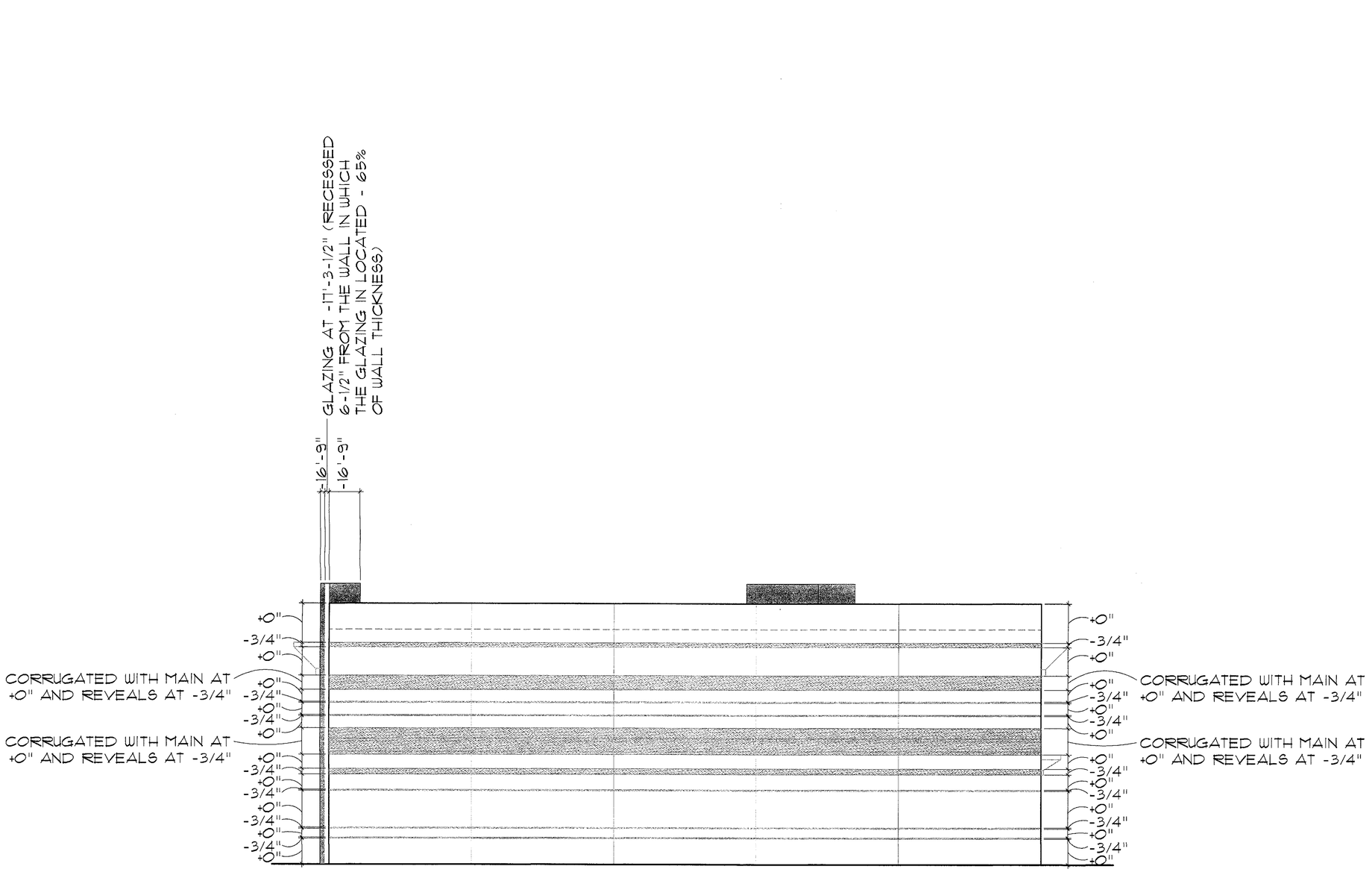
SHEET NUMBER: A2.8

49-DR-2017

49-DR-2017
06/20/18

8/16/18

49-DR-2017



3 SOUTH ELEVATION

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

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

0 4' 8' 16' 32'

NOTE:
1. DATUM FOR ELEVATION DEPTHS IS THE EXTERIOR FACE ON THE MAIN WALL RUNNING PARALLEL TO THE ELEVATION.
2. ELEVATIONAL DEPTHS SHOWN HERE ARE ONLY GIVEN FOR THE PORTIONS OF THE WALLS PARALLEL TO THE ELEVATION.
3. ELEVATIONAL DEPTHS FOR THE PORTIONS OF THE ELEVATIONS SLOPING WAY FROM THE ELEVATION ARE NOT GIVEN BECAUSE THOSE DEPTHS ARE CONSTANTLY CHANGING COMPARED TO THE DATUM ELEVATION.

CONSULTATION SET NOT FOR RECORDS

APPROVED

DATE 8/16/18

INITIALS

49-DR-2017
06/20/18

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REGISTERED ARCHITECT
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
State of Arizona
Jun 14, 2018

EXPIRES:
6/30/2021

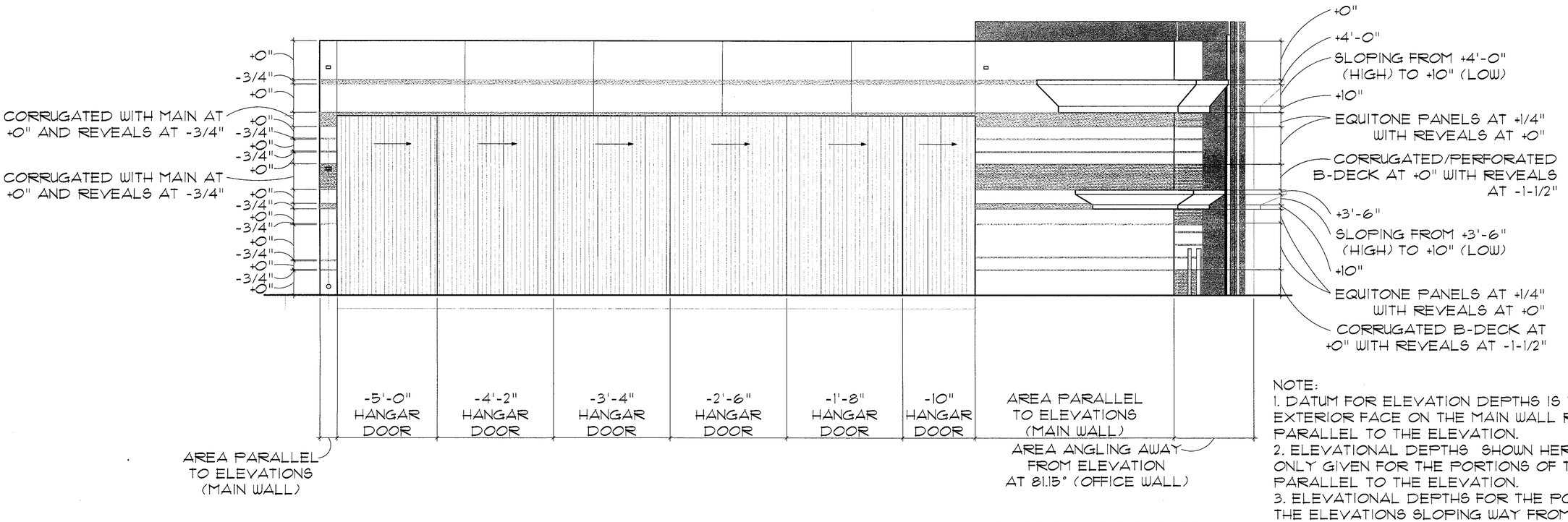
DATE:
06-07-2018

PROJECT NUMBER:
17-029

SHEET NUMBER:
A2.9

49-DR-2017

49-DR-2017



4 EAST ELEVATION

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

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

0 4' 8' 16' 32'

NOTE:
1. DATUM FOR ELEVATION DEPTHS IS THE EXTERIOR FACE ON THE MAIN WALL RUNNING PARALLEL TO THE ELEVATION.
2. ELEVATIONAL DEPTHS SHOWN HERE ARE ONLY GIVEN FOR THE PORTIONS OF THE WALLS PARALLEL TO THE ELEVATION.
3. ELEVATIONAL DEPTHS FOR THE PORTIONS OF THE ELEVATIONS SLOPING WAY FROM THE ELEVATION ARE NOT GIVEN BECAUSE THOSE DEPTHS ARE CONSTANTLY CHANGING COMPARED TO THE DATUM ELEVATION.

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EXPIRES: 6/30/2021

DATE: 06-07-2018

PROJECT NUMBER: 17-029

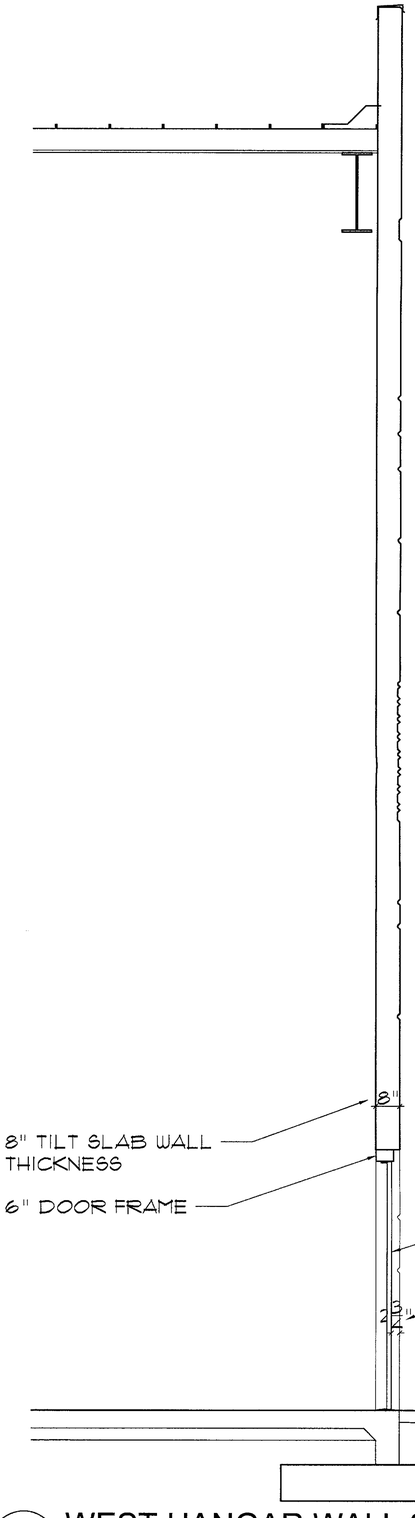
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49-DR-2017

8/16/18

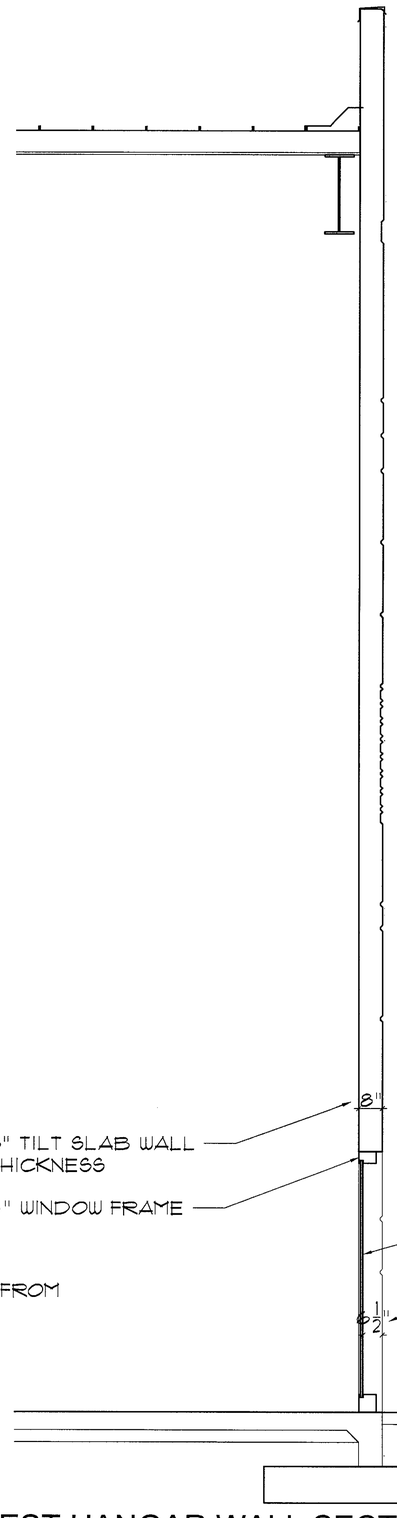
49-DR-2017
06/20/18

49-DR-2017



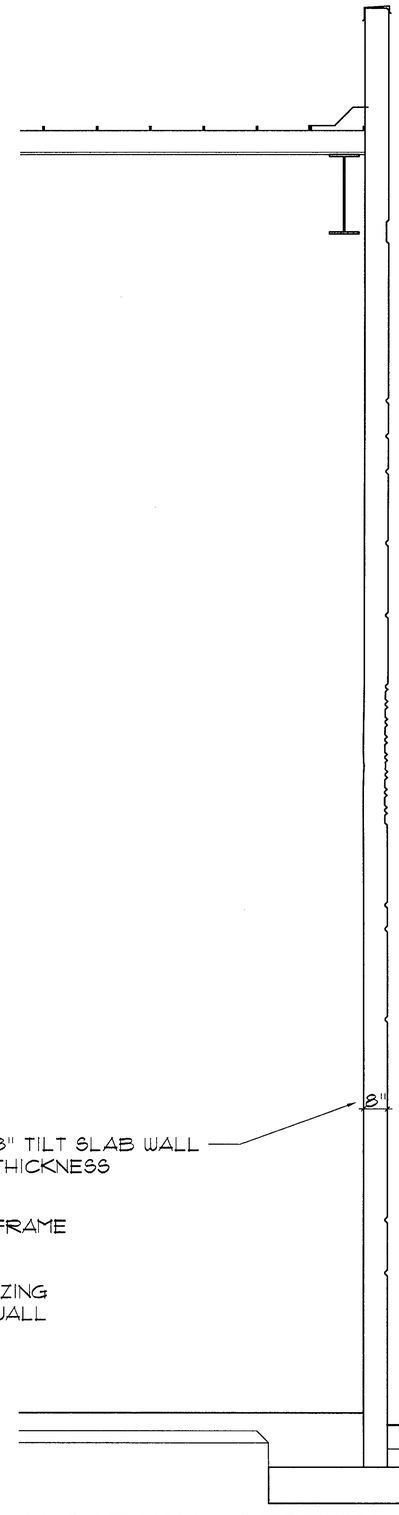
A WEST HANGAR WALL SECTION AT DOOR

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



B WEST HANGAR WALL SECTION AT WINDOW

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



C WEST HANGAR WALL SECTION AT WALL

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

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APN: 215-48-054
DRAWINGS NAME: WALL SECTIONS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

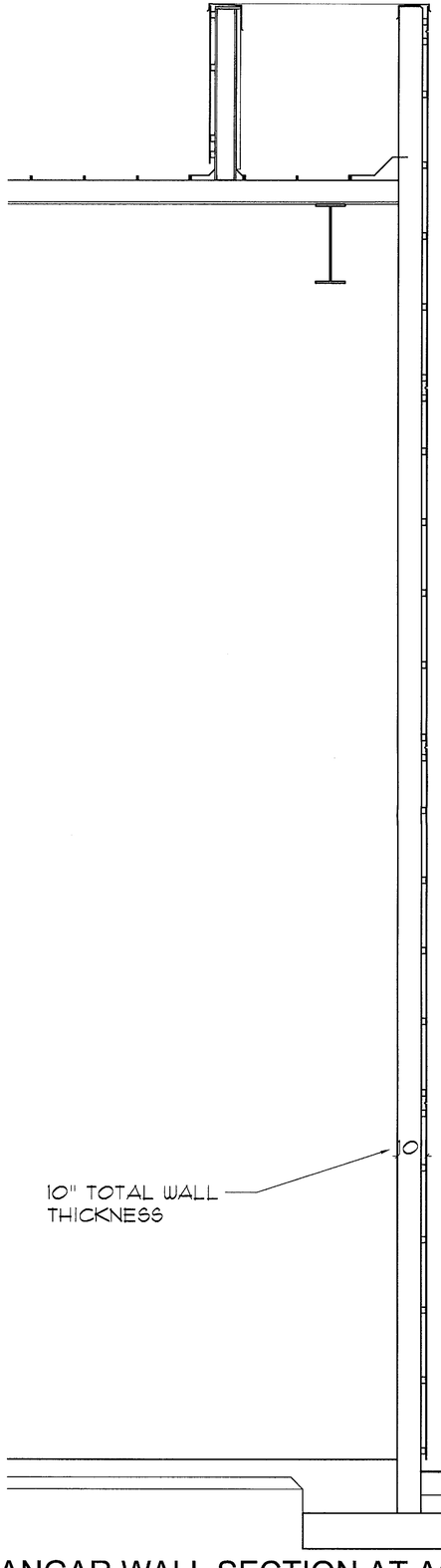
PROJECT NUMBER: 17-029

SHEET NUMBER: A3.0

49-DR-2017

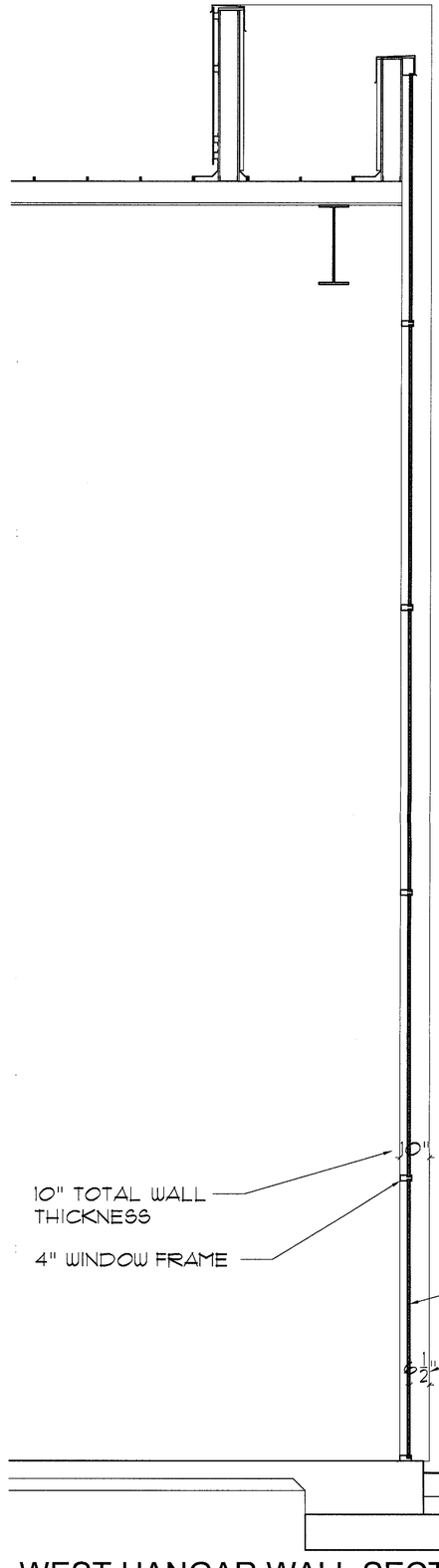
49-DR-2017
06/20/18

49-DR-2017



D WEST HANGAR WALL SECTION AT ACCENT AREA

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



E WEST HANGAR WALL SECTION AT ACCENT WINDOW

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

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APN: 215-48-054
DRAWINGS NAME: WALL SECTIONS

JAMES LARSON
REGISTERED ARCHITECT
CERTIFICATE NO.
9262
JAMES LAWRENCE LARSON
Jun 14, 2018

EXPIRES:
6/30/2021

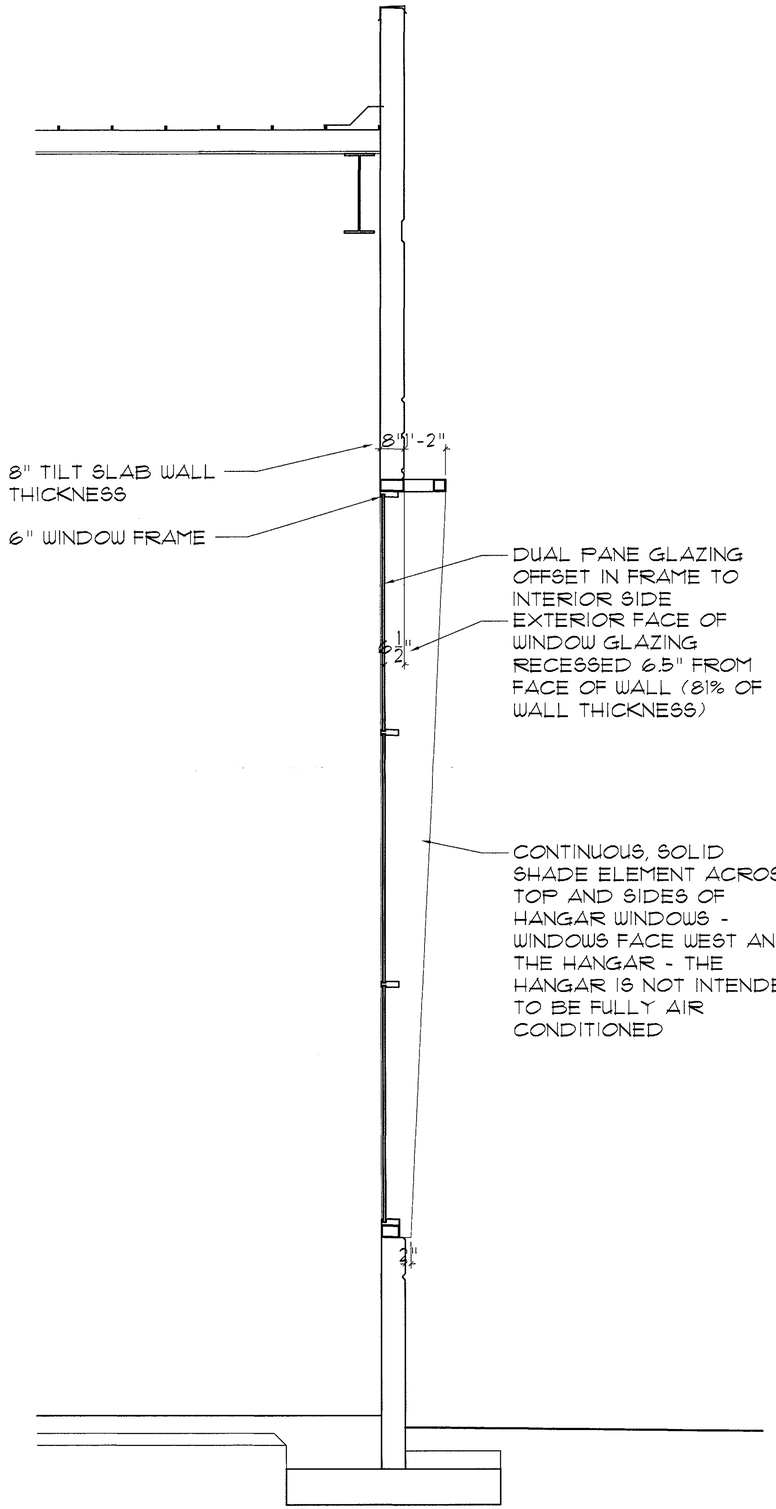
DATE:
06-07-2018

PROJECT NUMBER:
17-029

SHEET NUMBER:
A3.1

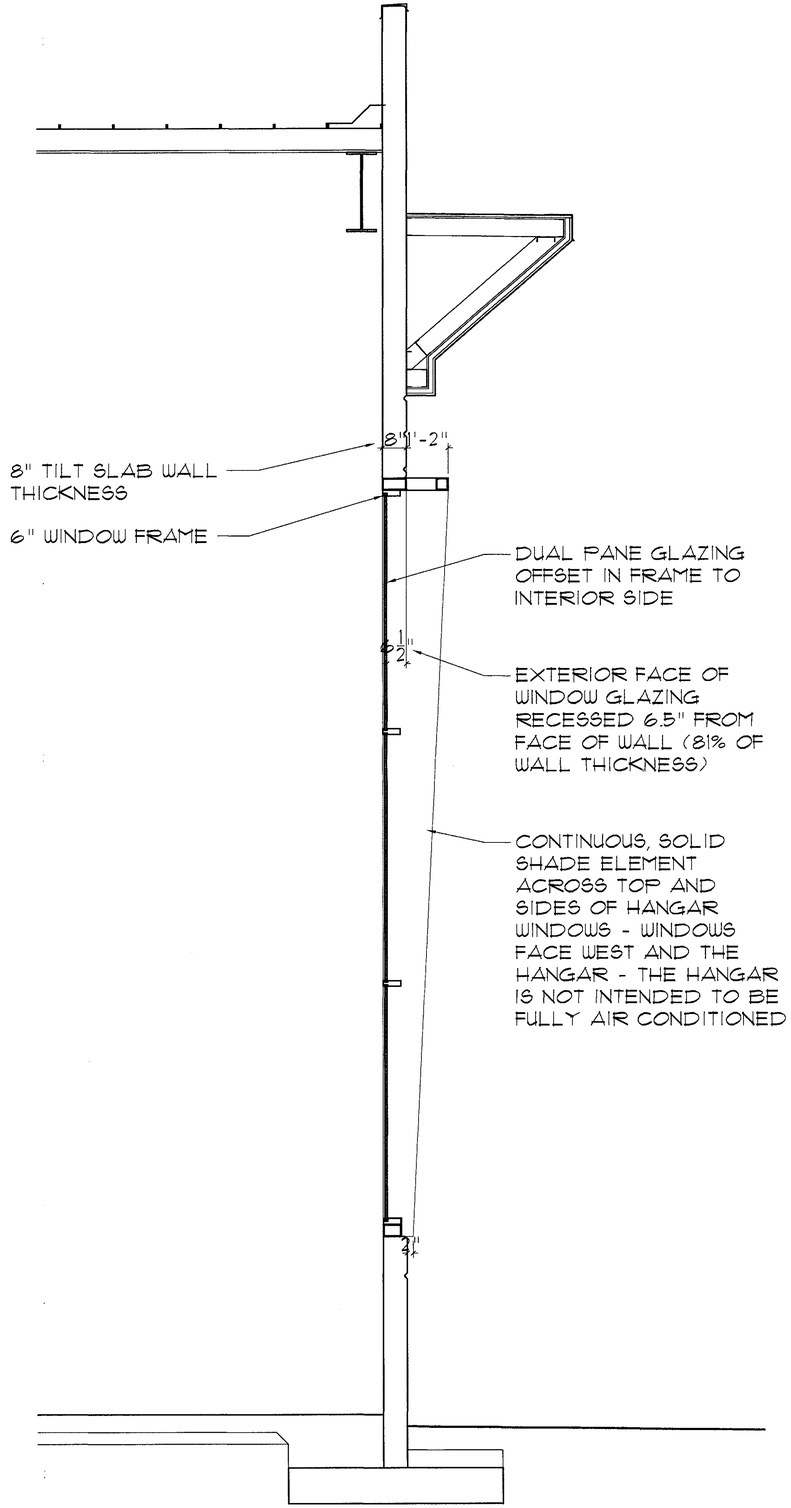
49-DR-2017

49-DR-2017



F WEST HANGAR WALL SECTION AT WINDOW

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



G WEST HANGAR WALL SECTION AT WINDOW AND AWNING

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

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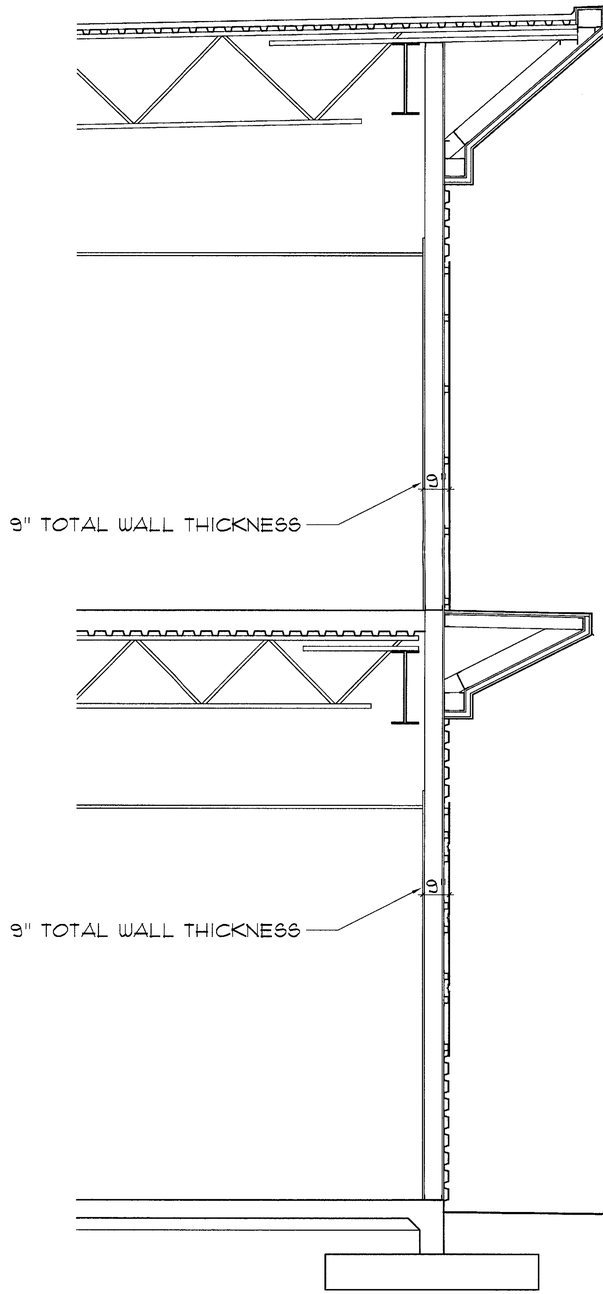
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PROJECT NUMBER:
17-029

SHEET NUMBER:
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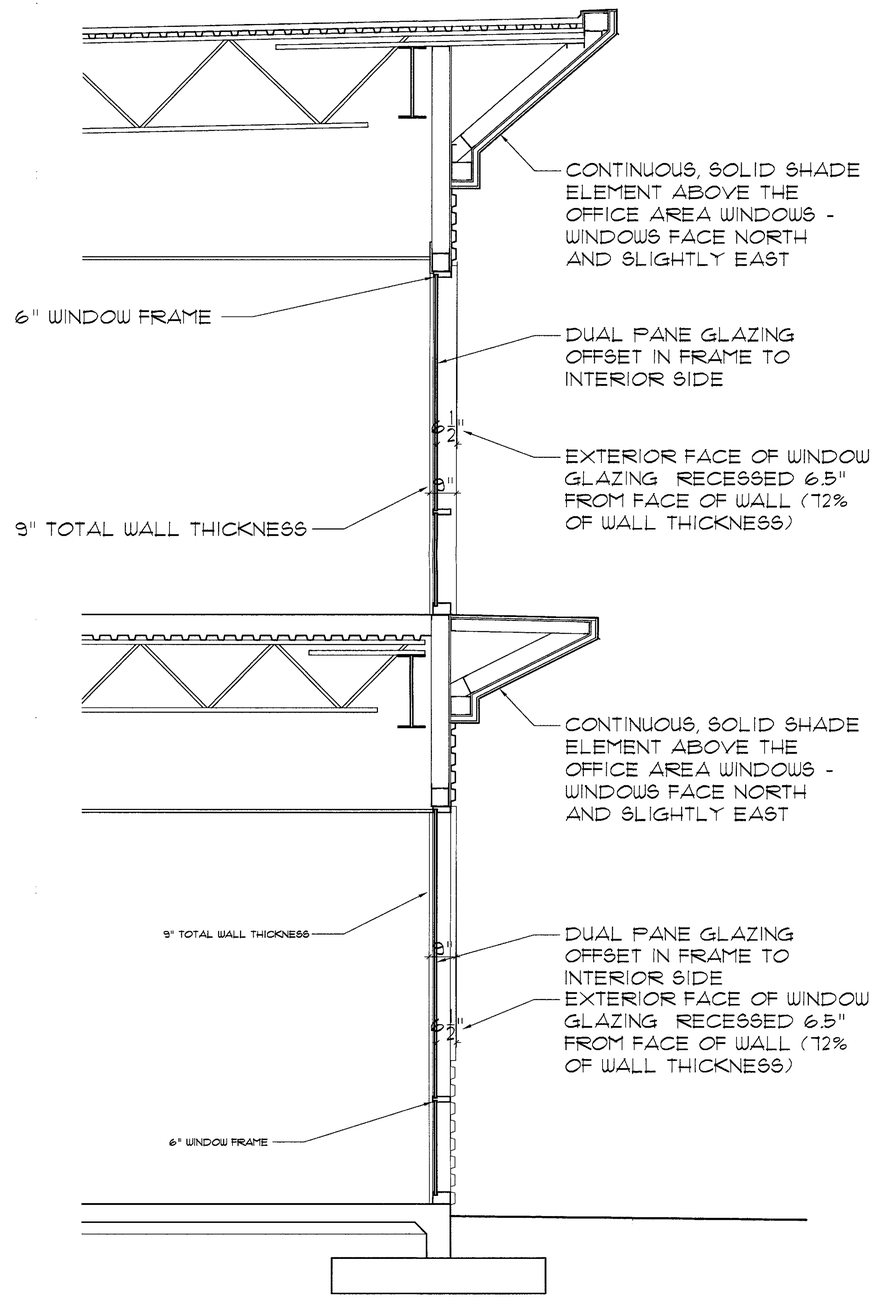
49-DR-2017

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H NORTH OFFICE WALL SECTION

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



I NORTH OFFICE WALL SECTION AT WINDOWS

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

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APN: 215-48-054
DRAWINGS NAME: WALL SECTIONS

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Jun 14, 2018
EXPIRES: 6/30/2021

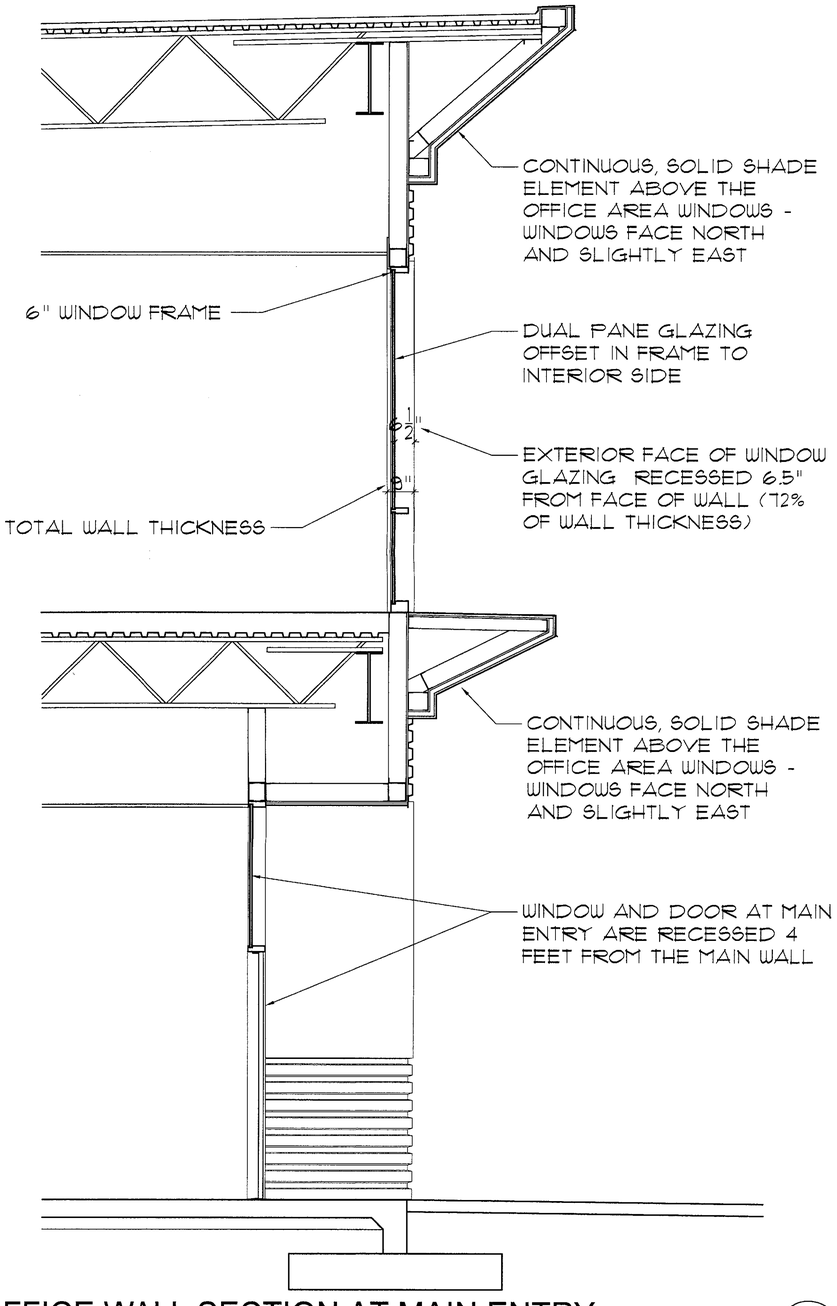
DATE: 06-07-2018

PROJECT NUMBER: 17-029

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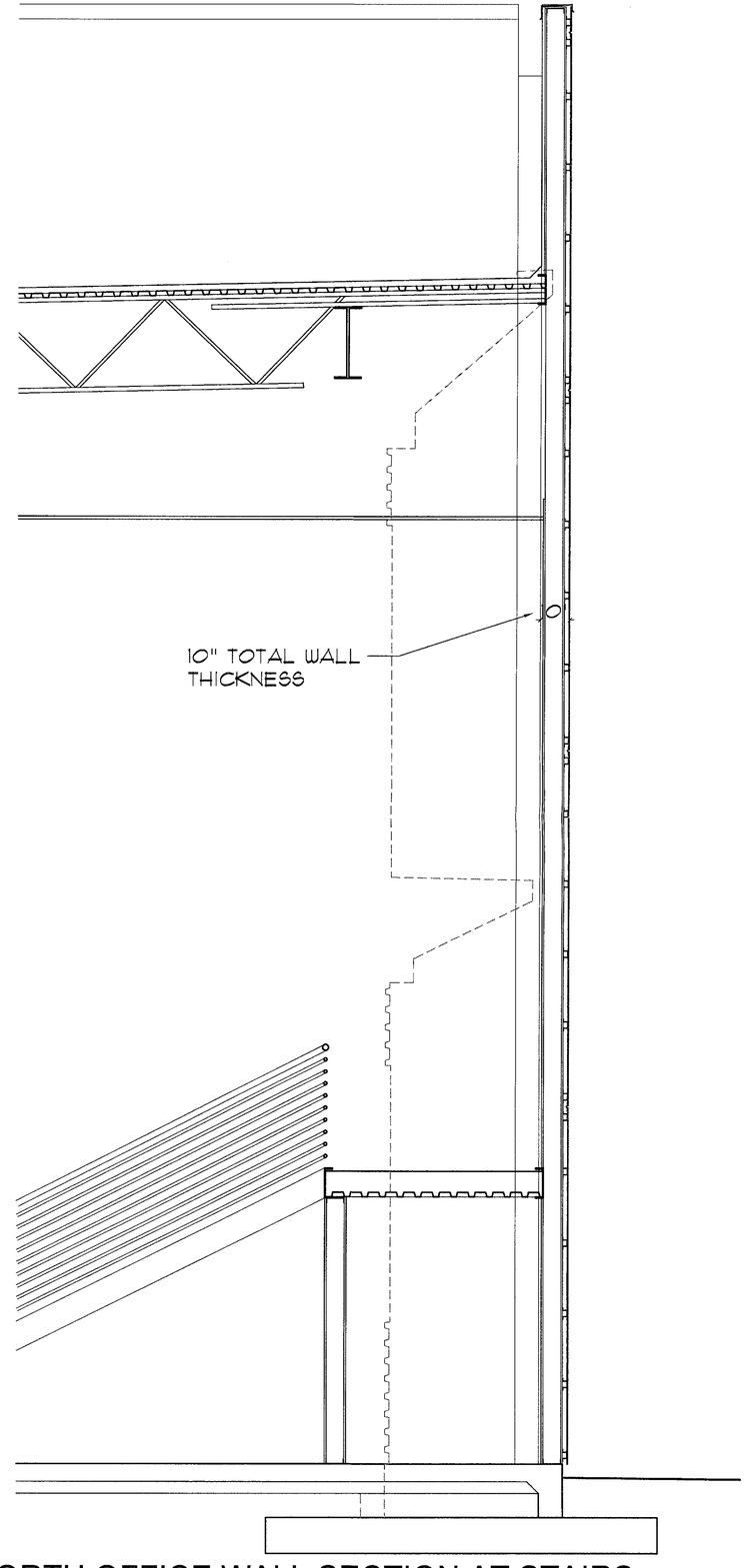
49-DR-2017

49-DR-2017
49-DR-2017
06/20/18



J NORTH OFFICE WALL SECTION AT MAIN ENTRY

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



K NORTH OFFICE WALL SECTION AT STAIRS

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

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APN: 215-48-054
DRAWINGS NAME: WALL SECTIONS

CERTIFICATE NO 9252 JAMES LAWRENCE LARSON Date Signed
Jun 14, 2018
EXPIRES: 6/30/2021

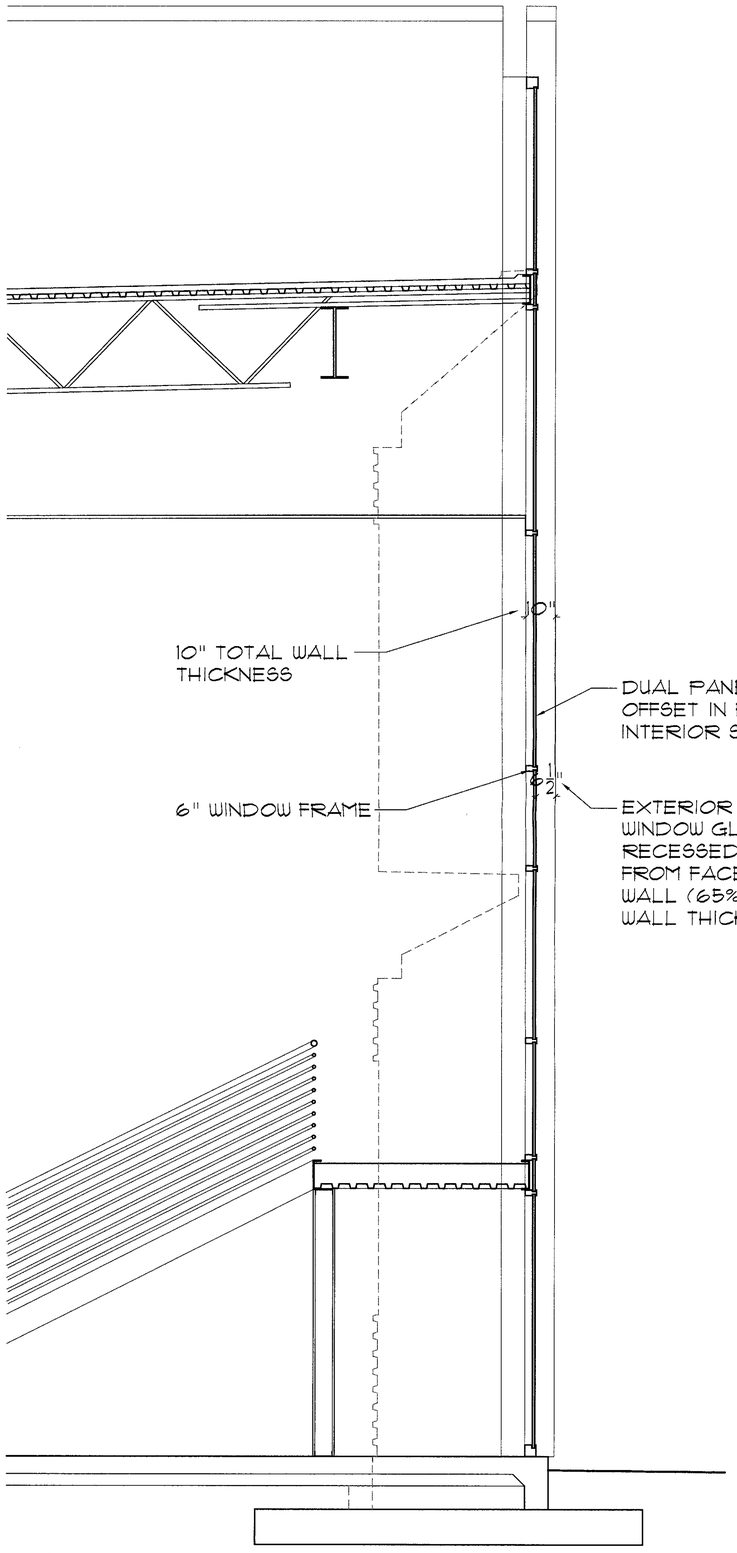
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PROJECT NUMBER: 17-029

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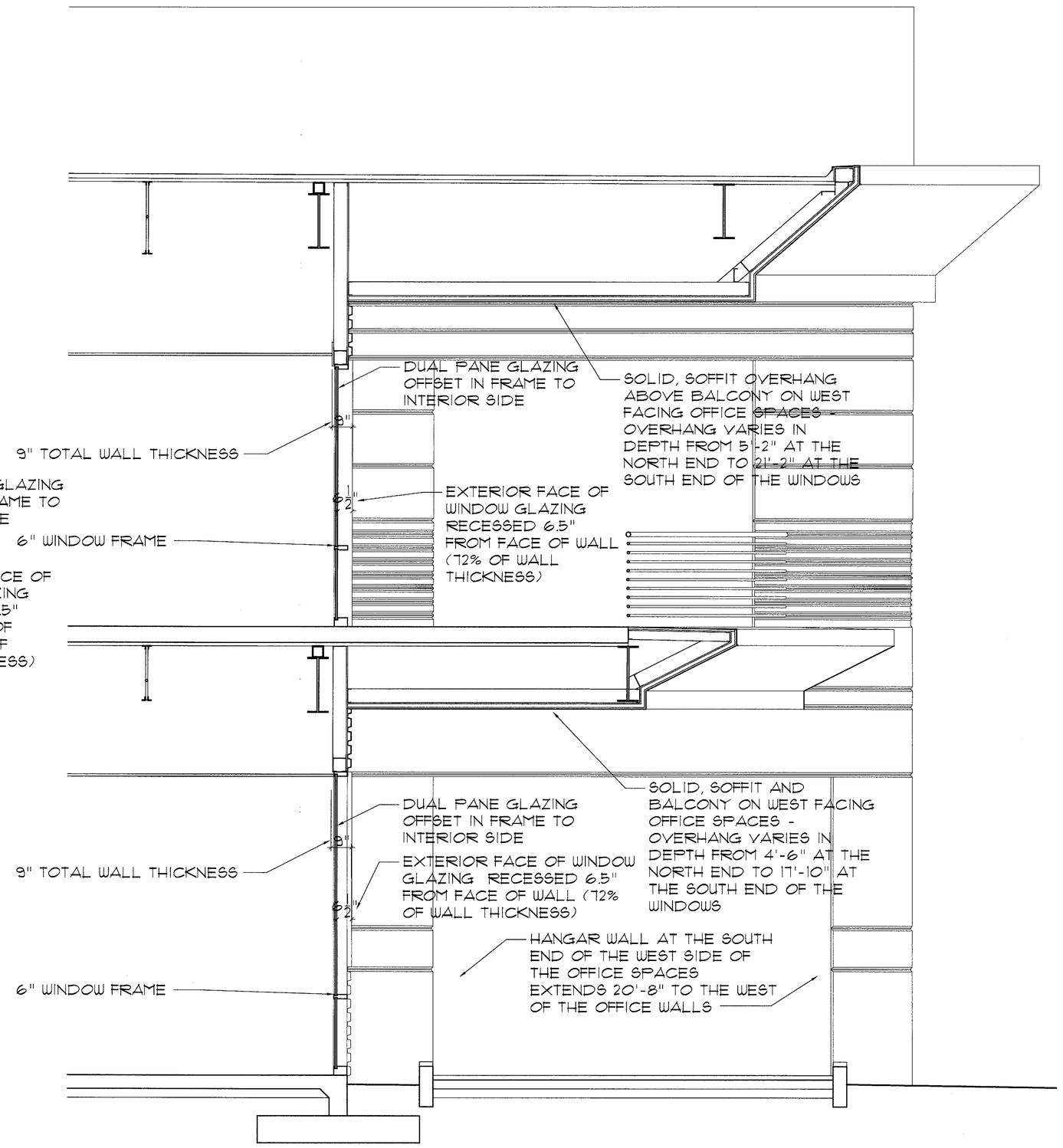
49-DR-2017

49-DR-2017



L NORTH OFFICE WALL SECTION AT STAIR ACCENT WINDOW

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



M WEST OFFICE WALL SECTION BALCONY AND OVERHANG

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

49-DR-2017
06/20/18

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DRAWINGS NAME: WALL SECTIONS

JAMES LAWRENCE LARSON
CERTIFICATE NO. 9252
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EXPIRES: 6/30/2021

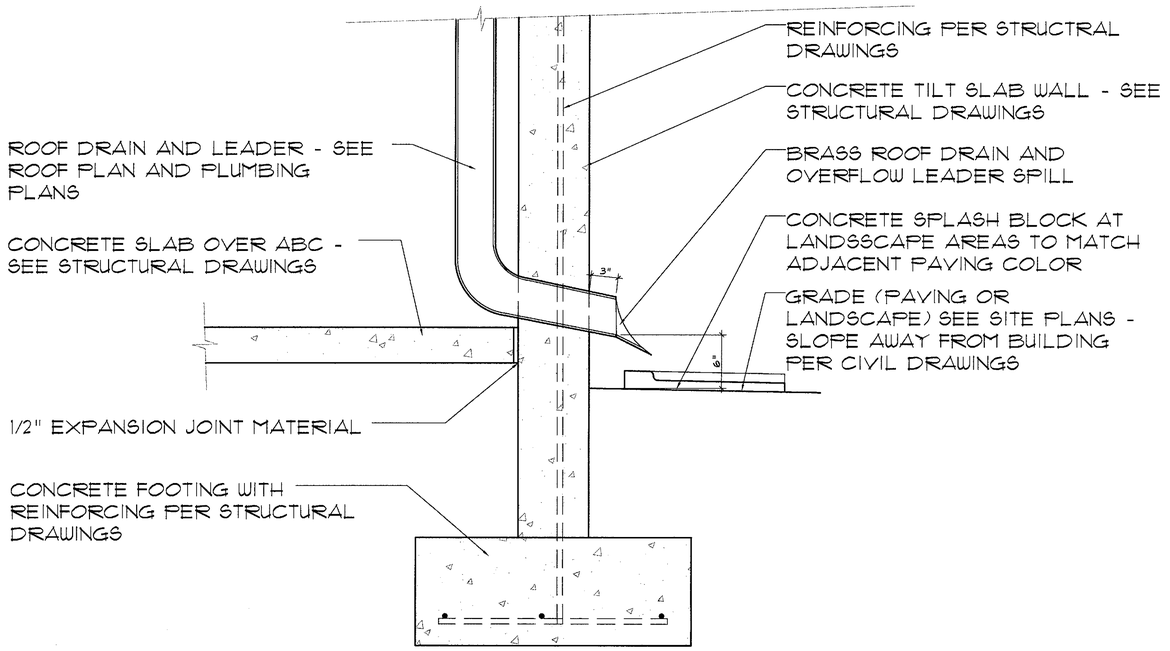
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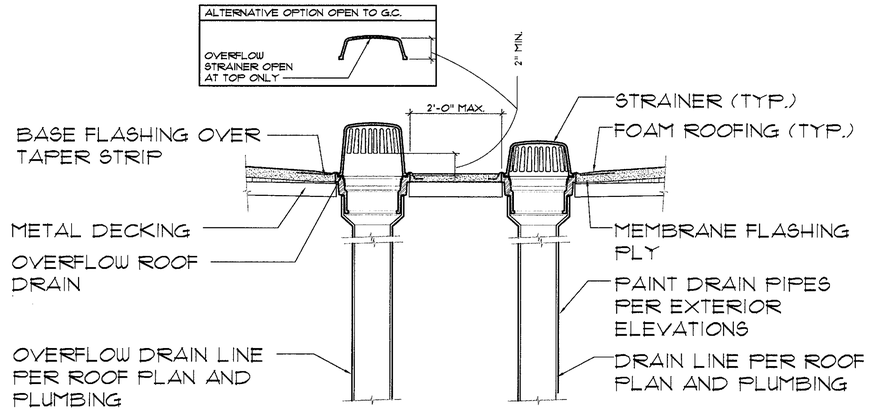
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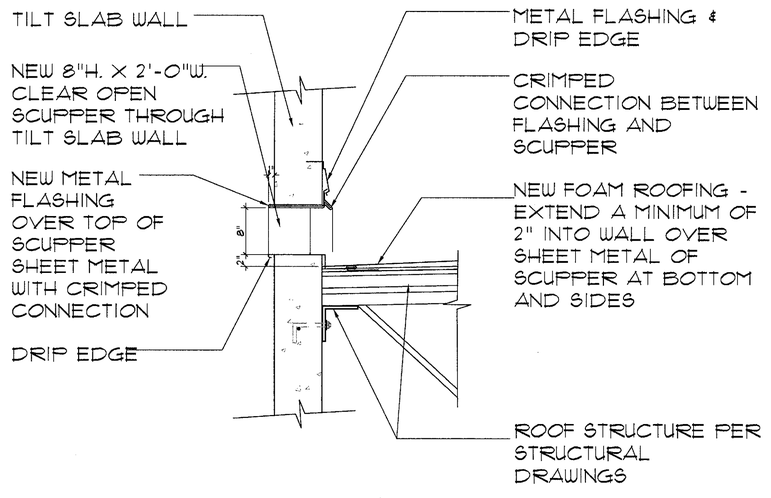
1 ROOF DRAIN THROUGH TILT SLAB WALL

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



2 ROOF DRAIN AND OVERFLOW LEADER DETAIL

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



3 ROOF OVERFLOW SCUPPER DETAIL

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

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CERTIFICATE NO. 9262 JAMES LAWRENCE LARSON
Jun 14, 2018

EXPIRES: 6/30/2021

DATE: 06-07-2018

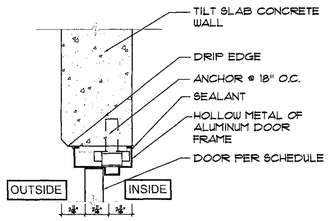
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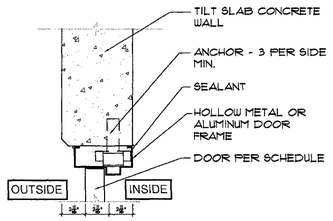
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06/20/18

49-DR-2017

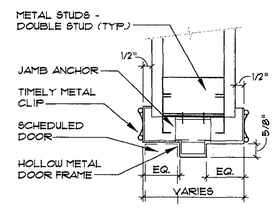
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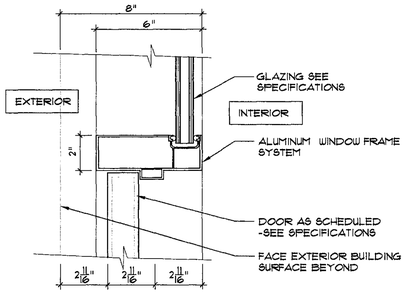
3 DOOR IN TILT SLAB HEADER
SCALE: 1-1/2"=1'-0" DOOR-HEADER-TILT



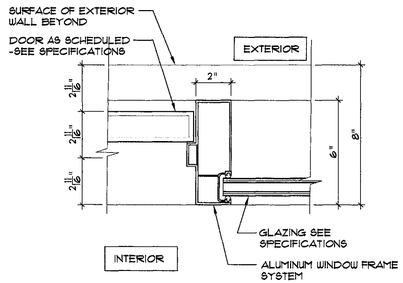
4 DOOR IN TILT SLAB JAMB
SCALE: 1-1/2"=1'-0" DOOR-HEADER-JAMB



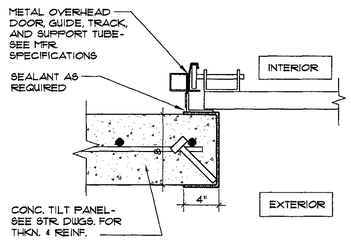
5 INTERIOR TIMELY DOOR FRAME HEADER/JAMB
SCALE: 1-1/2"=1'-0" DOOR-JAMB-STUDS-TIMELY



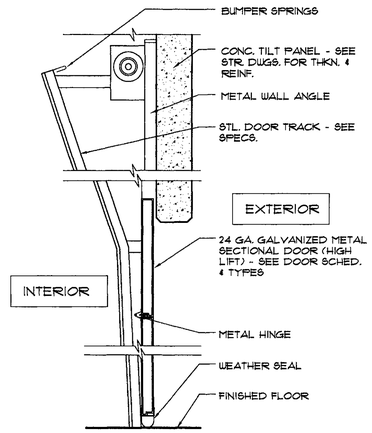
6 DOOR STOREFRONT WINDOW FRAME HEADER
SCALE: 3"=1'-0" DOOR-WINDOW-HEADER



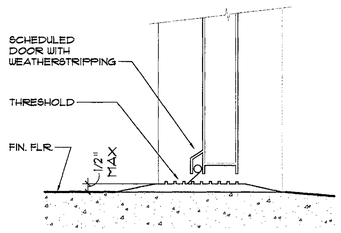
7 DOOR STOREFRONT WINDOW FRAME JAMB
SCALE: 3"=1'-0" DOOR-WINDOW-JAMB



8 GARAGE DOOR JAMB
SCALE: 1-1/2"=1'-0" GARAGE½DOOR½JAMB



9 GARAGE DOOR SECTION
SCALE: 1"=1'-0" GARAGE½DOOR½SECTION



10 DOOR THRESHOLD
SCALE: 3"=1'-0" DOOR-THRESHOLD

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CERTIFICATE NO. 9252
REGISTERED ARCHITECT
Jun 14 2018
EXPIRES: 6/30/2021

Drawing Name:
DOOR SCHEDULES

Revisions

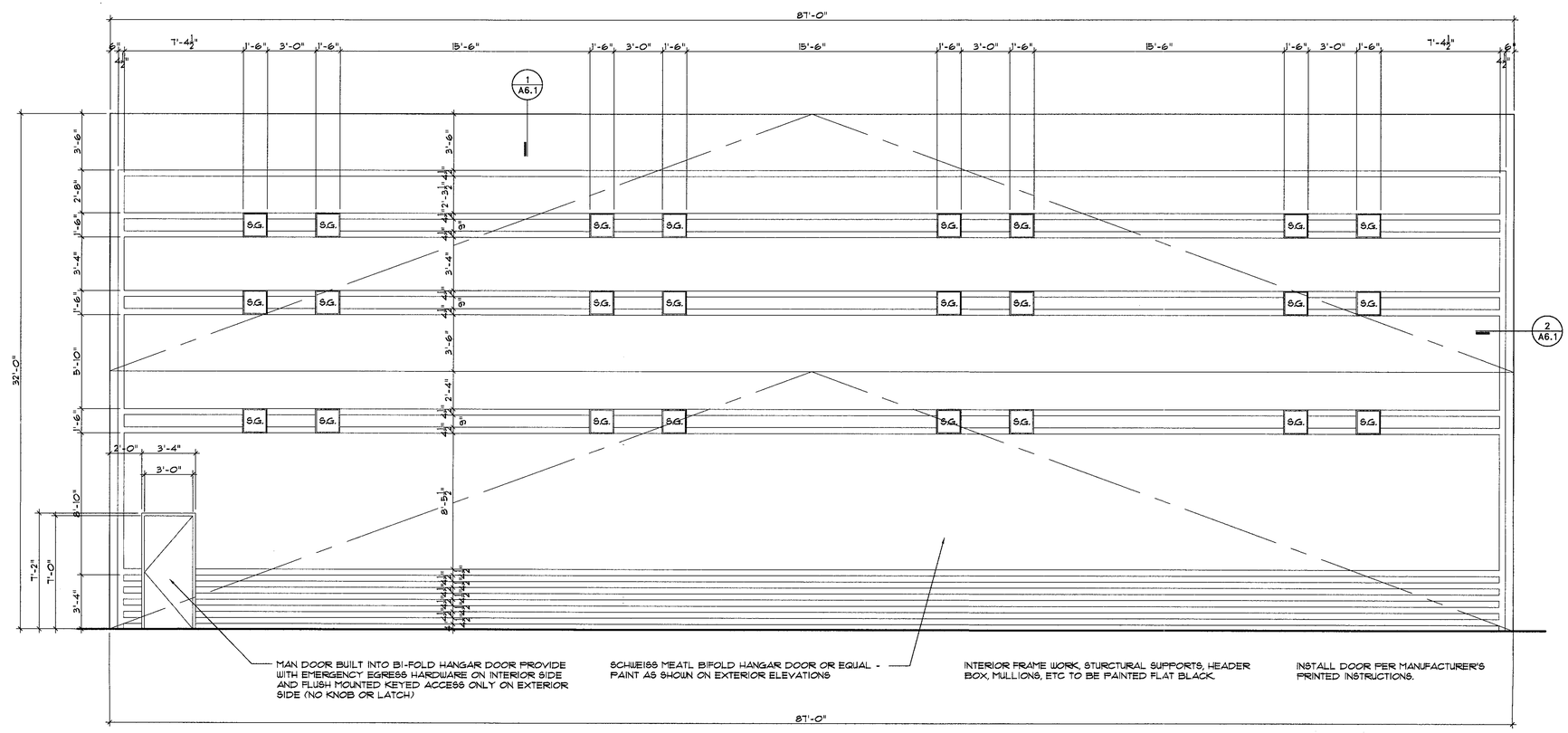
Date: 8/22/2017

Project Number:

Drawing No:
A6.1

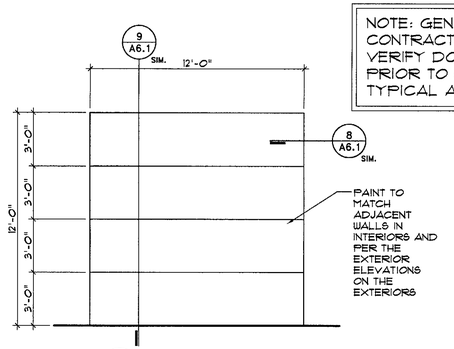
49-DR-2017

49-DR-2017
49-DR-2017
06/20/18

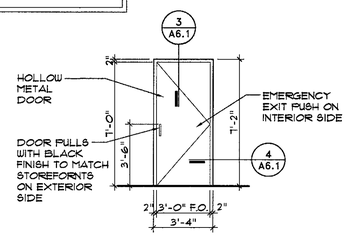


1 DOOR TYPE 1
SCALE: 1/4"=1'-0" DOORTYPE.DWG

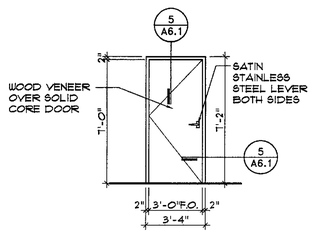
NOTE: GENERAL CONTRACTOR TO FIELD VERIFY DOOR OPENINGS PRIOR TO ORDERING - TYPICAL ALL DOORS



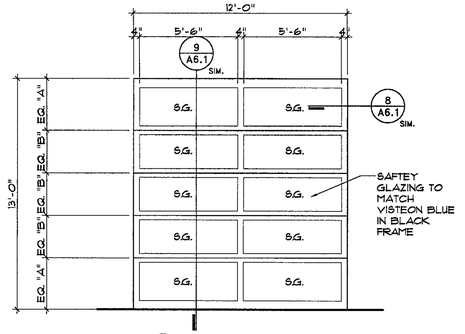
2 DOOR TYPE 2
SCALE: 1/4"=1'-0" DOORTYPE.DWG



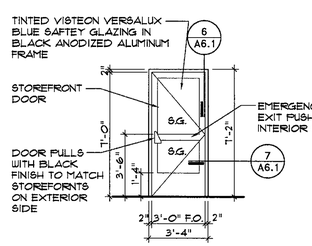
3 DOOR TYPE 3
SCALE: 1/4"=1'-0" DOORTYPE.DWG



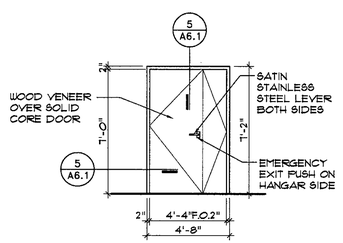
4 DOOR TYPE 4
SCALE: 1/4"=1'-0" DOORTYPE.DWG



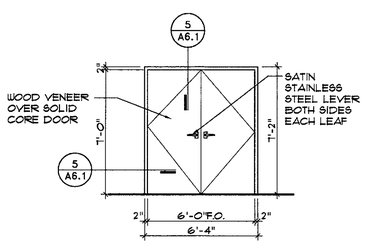
5 DOOR TYPE 5
SCALE: 1/4"=1'-0" DOORTYPE.DWG



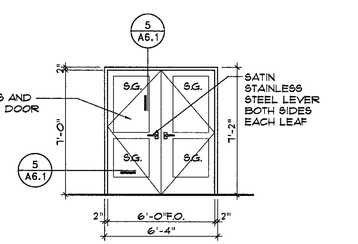
6 DOOR TYPE 6
SCALE: 1/4"=1'-0" DOORTYPE.DWG



7 DOOR TYPE 7
SCALE: 1/4"=1'-0" DOORTYPE.DWG



8 DOOR TYPE 8
SCALE: 1/4"=1'-0" DOORTYPE.DWG



9 DOOR TYPE 9
SCALE: 1/4"=1'-0" DOORTYPE.DWG

49-DR-2017
06/20/18

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CERTIFICATE NO. 9262
REGISTERED ARCHITECT
June 15, 2018
EXPIRES: 6/30/2021

Drawing Name:
DOOR TYPES

Revisions

Date: 8/22/2017

Project Number:

Drawing No:
A6.2

49-DR-2017

49-DR-2017