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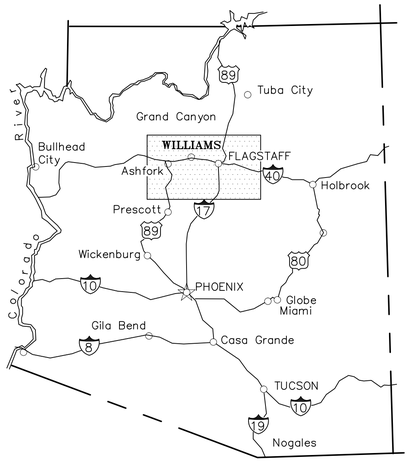
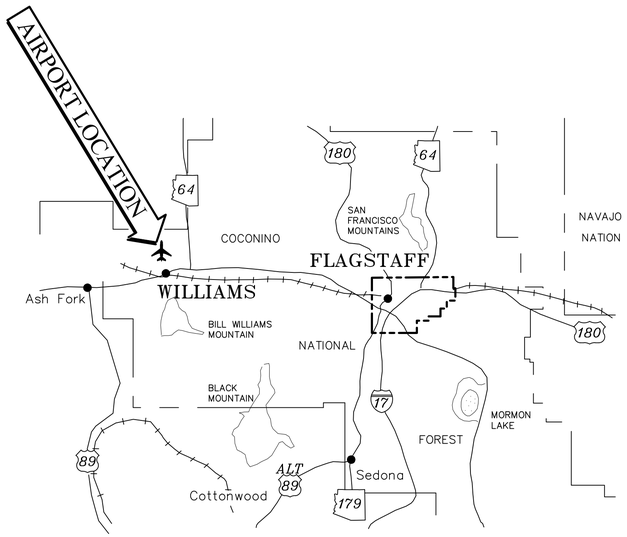


AREA MAP



LOCATION MAP

SHEET INDEX

SHT. NO.	TITLE	DWG NO.
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2.	GENERAL NOTES, ABBREVIATIONS, AND VICINITY MAP	G002
3.	PROJECT LAYOUT, PHASING, HORIZONTAL AND VERTICAL CONTROL	G003
4.	PHASE 1 NESTED T–HANGAR (10)	C001
5.	NESTED T–HANGAR (10) GRADING AND PAVING PLAN	C002
6.	DETAILS	C003
7.	FLOOR PLAN AND ELEVATIONS	A001
8.	ELECTRICAL PLAN	E001
9.	APS PLAN	APS01

H.A. CLARK MEMORIAL FIELD
Williams, Arizona

HANGAR DEVELOPMENT

OCTOBER 2014

ADOT No. E5L02

Project Number: 181710122

City Council

MAYOR: JOHN MOORE

VICE MAYOR: DON DENT

COUNCIL MEMBERS:

BERNIE HIEMENZ FRANK McNELLY

CRAIG FRITSINGER DR. JIM WURGLER

LEE PAYNE

Registered Professional Engineer (Civil) 22520 MARK T. KOESTER 10/29/2014 Date Signed ARIZONA U.S.A.

Expires 6/30/2015

H. A. CLARK MEMORIAL AIRFIELD: ADOT NO. E5L02 STANTEC NO. 181710122

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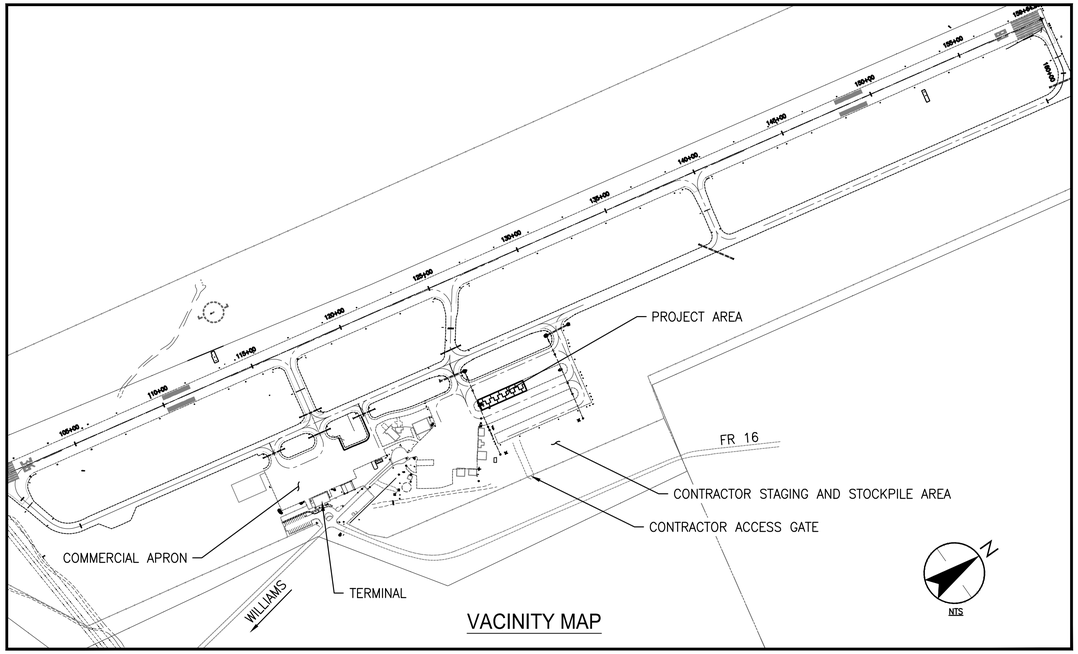

VACINITY MAP

ABBREVIATIONS

AB	Aggregate Base	E	East	Max	Maximum	ROFA	Runway Object Free Area
ABC	Aggregate Base Course	Ea	Each	MH	Manhole	RPZ	Runway Protection Zone
AC	Asphaltic Concrete	EL	Elevation	Mi	Mile Or Miles	RR	Railroad
Agg	Aggregate	Elec, E	Electric Or Electricity	Min	Minimum	RSA	Runway Safety Area
Alt	Alternate	ELEV	Elevation	MIRL	Medium Intensity Runway Lights	Rt	Right
Appr	Approach	Emb	Embankment	Misc	Miscellaneous	R/W	Runway
Approx	Approximate	Engr	Engineer	Mod	Modify Or Modified	S	South
Asph	Asphalt	Ent	Entrance	Mon	Monument	Salv	Salvage
AZ	Azimuth	EP	Edge Of Pavement	Mtl	Material	SD	Storm Drain
BC	Begin Curve	Esmt	Easement	N	North	SG	Subgrade
BC	Brass Cap	Est	Estimate	Natl	National	Sh	Sheet
Bdy	Boundary	Ex	Excavation	NAVAID	Navigational Aid	Shldr	Shoulder
Bgn	Begin	Exp Jt	Expansion Joint	No	Number	Spec	Specification
Bit	Bituminous	Exst	Existing	Obl	Obliterate	Sq	Square
Bldg	Building	Ext	External	OD	Outside Diameter	Sq Ft, SF	Square Feet
BM	Bench Mark	FBO	Fixed Base Operator	OFA	Object Free Area	Sq Yd, SY	Square Yard
Brg	Bearing	Fed	Federal	OFZ	Obstacle Free Zone	SR	State Route
BRL	Building Restriction Line	Fig	Figure	OH	Overhead	St	Street
BW	Barbed Wire	Fin	Finish	Orig	Original	STA	Station
C&G	Curb And Gutter	Fl	Floor	P/L	Property Line	Std	Standard
CL	Center Line	FL	Flow Line	PAPI	Precision Approach Path Indicator	Str	Structure Or Structural
CB	Catch Basin	Fnd	Found	PC	Point Of Curvature	Swlk	Sidewalk
CBC	Concrete Box Culvert	Ft	Feet Or Foot	PCC	Portland Cement Concrete	T	Tangent Length
Cem	Cement	Ftg	Footing	PCCP	Portland Cement Concrete Pvmt	Tan	Tangent
CFS	Cubic Feet Per Second	Furn	Furnish Or Furnished	Ped	Pedestrian	TC	Top Of Curb
CG	Cattle Guard	Fut	Future	PI	Point Of Intersection	TCE	Temporary Construction Easement
C-I-P	Cast-In-Place	Fwy	Freeway	Pkwy	Parkway	Tel	Telephone
Cl	Class	G	Gas	Pl	Place	Temp	Temporary
Clr	Clear	Galv	Galvanize Or Galvanized	Prelim	Preliminary	TH	Threshold
Clv	Culvert	GB	Grade Break	Prj	Project	T/L	Taxilane
Co	County	GM	Gas Meter	Prop	Proposed	Trns	Transition
Comp	Compact Or Compaction	Gnd	Ground	Prt	Protection	TSA	Taxiway Safety Area
Conc	Concrete	Govt	Government	PSI	Pounds Per Square Inch	TVOR	Very High Frequency Omnirange
Cond	Conduit	GPS	Global Positioning System	Pt	Point	T/W	Taxiway
Conn	Connection	Gr	Grade	PT	Point Of Tangency	TYP	Typical
Cont	Continuous	GR	Guard Rail	PVC	Polyvinyl Chloride	UG	Underground
Coord	Coordinate	Grb	Grubbing	PVI	Point of Vertical Intersection	Var	Variable
Cor	Corner	Grd	Guard	PVMT	Pavement	VC	Vertical Curve
Corr	Correction	GV	Gas Valve	Qty	**Quantity** Of Drainage Runoff	VCP	Vitrified Clay Pipe
Cr	Crown	Hdwl	Headwall	R	Radius	Vert	Vertical
Cst	Construct Or Construction	HIRL	High Intensity Runway Lights	R/W	Right Of Way	Vol	Volume
Ctr	Center	Hor	Horizontal	RC	Reinforced Concrete	VOR	Very High Frequency Omnirange
Cu	Cubic	Ht, H, h	Height	RCP	Reinforced Concrete Pipe	VPI	Vertical Point Of Intersection
CWY	Clearway	HW	Head Water	Rd	Road	W	Water
CY	Cubic Yard(s)	Hwy	Highway	Rdwy	Roadway	W	West
D	Degree Of Curve	ID	Inside Diameter	Rebar	Reinforcing Bar	W	Wide Or Width
DA	Drainage Area	In	Inch Or Inches	Recst	Reconstruct	WM	Water Meter
Dbl	Double	Incl	Include, Included Or Inclusive	Ref	Reference	WV	Water Valve
Dcl	Deceleration	Inv	Invert	REIL	Runway End Identifier Lights	WWF	Welded Wire Fabric
Dia	Diameter	Jt	Joint	Reinf	Reinforced Or Reinforcing	X-ING	Crossing
DIP	Ductile Iron Pipe	L	Length Or Length Of Curve	Reloc	Relocate, Relocation Or Relocated	X-SECT	Cross Section
Dist	Distance	Lat	Lateral	Rem	Remove	Yd	Yard
Dr	Drive	Lbs	Pounds	Reqd	Required		
Dtl	Detail	Lin	Linear Or Lineal	Resv	Reservation		
Dwg	Drawing	LF	Linear Feet	Ret	Retain Or Retaining		
Dwy	Driveway	Lt	Left	Rev	Revised Or Revision		

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS AND SHALL BE COORDINATED WITH THE CITY OF WILLIAMS AND THE ENGINEER.
2. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
3. THE ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO STARTING ANY PHASE OF CONSTRUCTION.
4. CONSTRUCTION ACTIVITIES ON THE AIRPORT WILL NOT BE PERMITTED WITHIN 200 FEET OF THE CENTERLINE OF AN ACTIVE RUNWAY WITHOUT PERMISSION.
5. ALL VEHICLES ARE TO BE PARKED AND SERVICED BEHIND THE CONSTRUCTION RESTRICTION LINE AND/OR IN AN AREA DESIGNATED BY THE AIRPORT MANAGER.
6. AN APPROVED SET OF PLANS SHALL BE MAINTAINED ON THE JOB SITE AT ALL TIMES WORK IS IN PROGRESS. DEVIATION FROM THE PLANS WILL NOT BE ALLOWED WITHOUT AN APPROVED PLAN REVISION.
7. ANY WORK PERFORMED WITHOUT THE APPROVAL OF THE ENGINEER AND/OR ALL WORK AND MATERIAL NOT IN CONFORMANCE WITH THE SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR WILL LOCATE OR HAVE LOCATED ALL EXISTING UNDERGROUND UTILITIES (ELECTRIC, TELEPHONE, PIPELINES, ETC.) AND STRUCTURES IN ADVANCE OF CONSTRUCTION AND WILL ELIMINATE ALL CONFLICTS PRIOR TO START OF CONSTRUCTION. ARIZONA BLUE STAKE, INC. TELEPHONE NUMBER IS 1-800-STAKEIT.
9. THE CITY OF WILLIAMS IS NOT RESPONSIBLE FOR LIABILITY ACCRUED DUE TO DELAYS AND/OR DAMAGES TO UTILITIES IN CONJUNCTION WITH THIS CONSTRUCTION.
10. THE CITY WILL NOT PARTICIPATE IN THE COST OF CONSTRUCTION OR UTILITY RELOCATION.
11. FACILITIES WHICH ARE NOT SPECIFICALLY LOCATED WITH ACTUAL VERTICAL AND HORIZONTAL CONTROLS ARE LOCATED ONLY APPROXIMATELY AND TO THE BEST AVAILABLE INFORMATION PROVIDED BY THE VARIOUS OWNERS OF FACILITIES AND SUPPLEMENTED BY VISUAL SURFACE INFORMATION WHERE APPROPRIATE. ACCURACY, LOCATION AND COMPLETENESS OF THIS INFORMATION SHALL BE VERIFIED PRIOR TO INITIATION OF CONSTRUCTION.
12. NO FINAL ACCEPTANCE SHALL BE ISSUED UNTIL MYLAR REPRODUCIBLE "RECORD DRAWING" PLANS, CERTIFIED BY THE ENGINEER, ARE SUBMITTED TO THE CITY.
13. REFER TO ADVISORY CIRCULAR AC-150/5370-2F FOR OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
14. REFER TO ADVISORY CIRCULAR AC-150/5210-5D OR LATEST ADDITION FOR PAINTING, MARKING & LIGHTING OF VEHICLES USED ON AN AIRPORT.
15. ALL MATERIALS SUBMITTALS SHALL BE FURNISHED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
16. ALL CONSTRUCTION LAYOUT AND STAKING SHALL BE FURNISHED BY THE CONTRACTOR.
17. THE CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PREVENT AIR POLLUTION, INCLUDING, BUT NOT LIMITED TO, DUST CONTROL MEASURES.
18. EXCESS SOILS MATERIALS NOT INTENDED FOR RE-USE IN THE WORK MAY BE STORED ON SITE AT THE DIRECTION OF THE ENGINEER.
19. ORGANIC MATERIALS RESULTING FROM CLEARING AND EXCAVATION ACTIVITIES FOR THE PROJECT SHALL BE LEGALLY DISPOSED OF OFF AIRPORT PROPERTY.

Stantec

Stantec Consulting Services Inc.
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Revision	By	Appd.	YY.MM.DD

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File Name: 10122 G002.dwg	RSC	MTK	DCS	14.10.28
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Registered Professional Engineer (Civil) 22520 MARK T. KOESTER 10/29/2014 Date Signed ARIZONA U.S.A.

Expires 6/30/2015

Client/Project

H. A. CLARK MEMORIAL AIRFIELD

HANGAR DEVELOPMENT

Williams, Arizona

Title

GENERAL NOTES, ABBREVIATIONS, AND VICINITY MAP

Project No.	Scale	
181710122	AS NOTED	
Drawing No.	**Sheet**	**Revision**
G002	2 of 9	0

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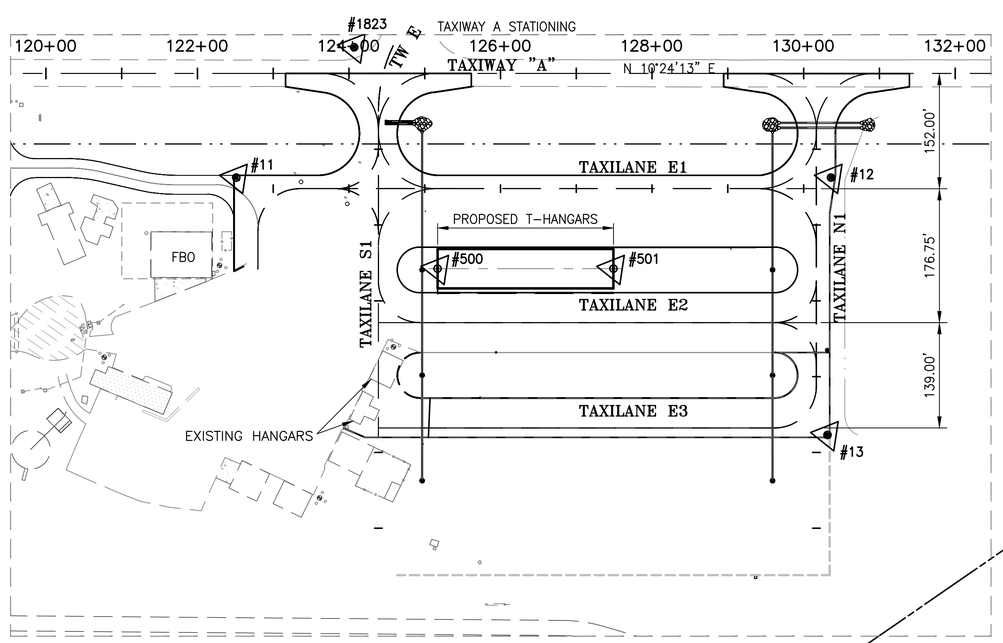

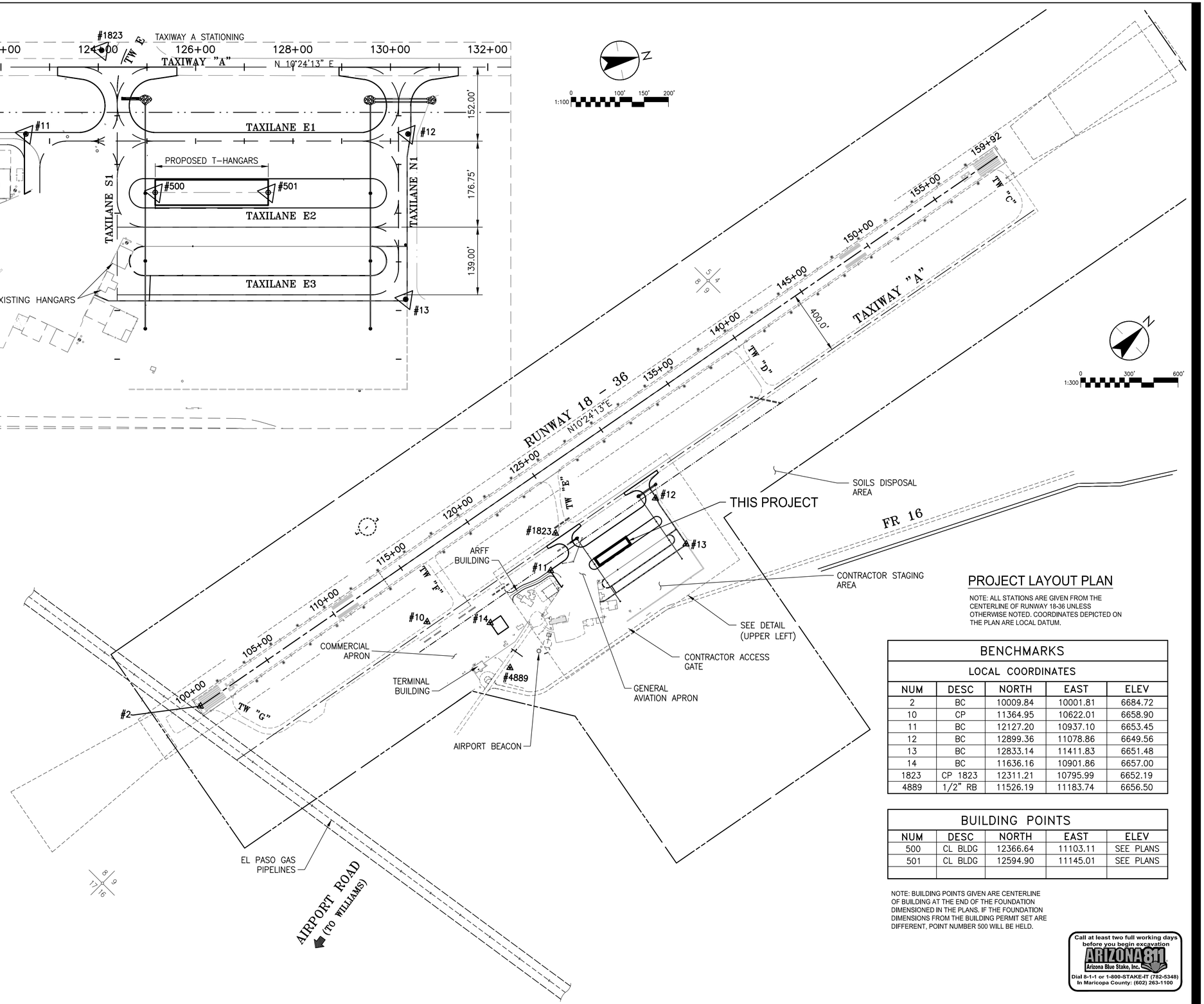

PROJECT LAYOUT PLAN

NOTE: ALL STATIONS ARE GIVEN FROM THE CENTERLINE OF RUNWAY 18-36 UNLESS OTHERWISE NOTED. COORDINATES DEPICTED ON THE PLAN ARE LOCAL DATUM.

BENCHMARKS

LOCAL COORDINATES

NUM	DESC	NORTH	EAST	ELEV
2	BC	10009.84	10001.81	6684.72
10	CP	11364.95	10622.01	6658.90
11	BC	12127.20	10937.10	6653.45
12	BC	12899.36	11078.86	6649.56
13	BC	12833.14	11411.83	6651.48
14	BC	11636.16	10901.86	6657.00
1823	CP 1823	12311.21	10795.99	6652.19
4889	1/2" RB	11526.19	11183.74	6656.50

BUILDING POINTS

NUM	DESC	NORTH	EAST	ELEV
500	CL BLDG	12366.64	11103.11	SEE PLANS
501	CL BLDG	12594.90	11145.01	SEE PLANS

NOTE: BUILDING POINTS GIVEN ARE CENTERLINE OF BUILDING AT THE END OF THE FOUNDATION DIMENSIONED IN THE PLANS. IF THE FOUNDATION DIMENSIONS FROM THE BUILDING PERMIT SET ARE DIFFERENT, POINT NUMBER 500 WILL BE HELD.

Call at least two full working days before you begin excavation
ARIZONA 811
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LEGEND

#10 ▲ HORIZONTAL/VERTICAL CONTROL POINT

NOTES

1. THE CONTRACTOR'S WORK SHALL NOT REQUIRE ANY TRAVEL ALONG THE TAXIWAY OR RUNWAY. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK AREA FREE OF FOOD, DEBRIS, AND LOOSE TRASH.
2. THE CONTRACTOR'S ACCESS GATE SHALL BE CLOSED AND LOCKED AT THE END OF THE CONSTRUCTION DAY.
3. CONTRACTOR SHALL CLEAR AND GRUB ALL INFIELD AREAS AND GRADE TO MATCH FOUNDATION AS REQUIRED.

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

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H. A. CLARK MEMORIAL AIRFIELD

HANGAR DEVELOPMENT

Williams, Arizona

Title

PROJECT LAYOUT, PHASING AND HORIZONTAL AND VERTICAL CONTROL

Project No.	Scale	
181710122	AS NOTED	
Drawing No.	Sheet	Revision
G003	3 of 9	0

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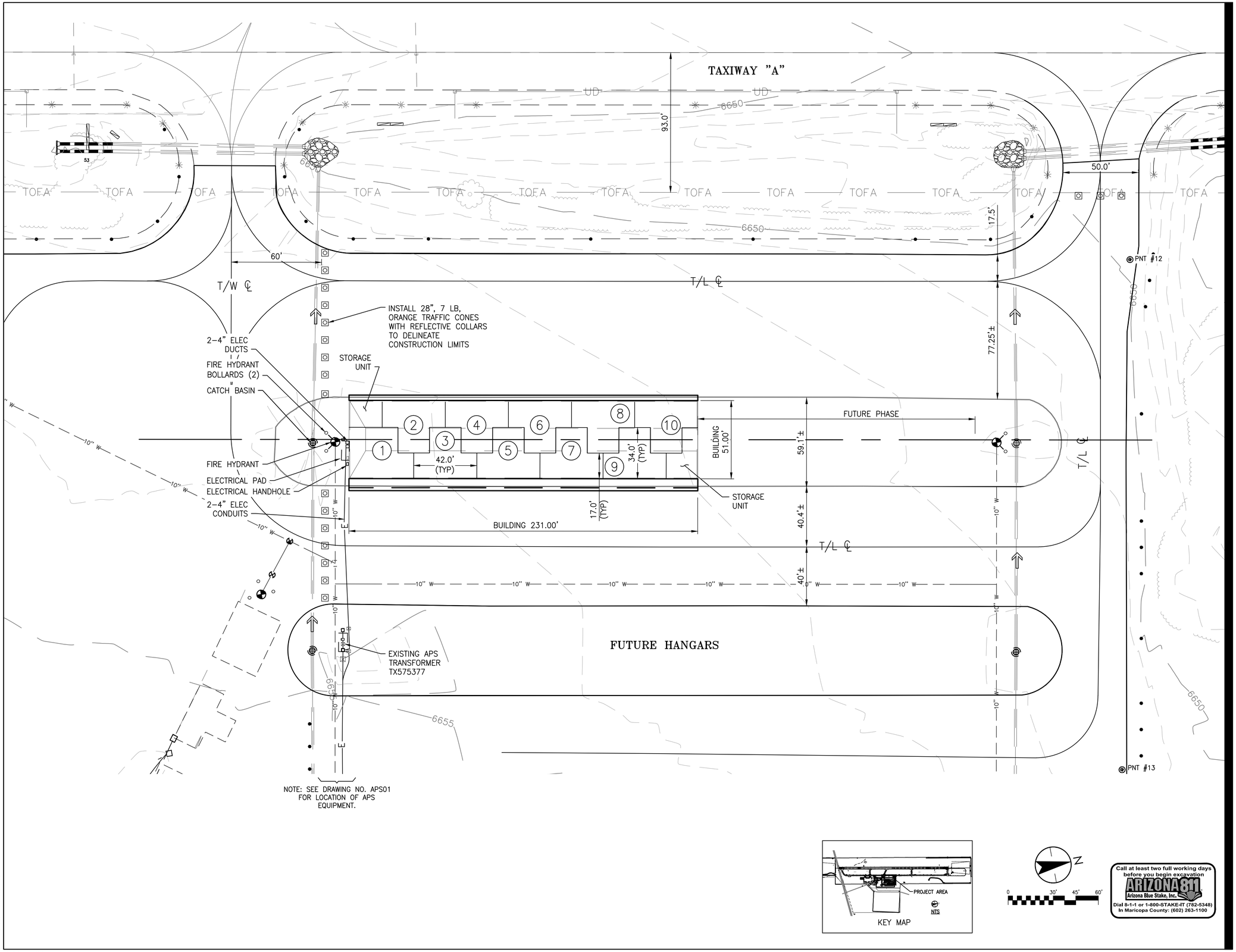

KEY MAP

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LEGEND

- FIRE HYDRANT
- WATER VALVE
- 10" W — 10" WATER LINE
- CATCH BASIN
- E — ELECTRICAL LINE
- ELECTRICAL HANDHOLE
- ELECTRICAL TRANSFORMER
- E — ELECTRICAL STUB-OUT
- EXISTING TAXIWAY OR TAXILANE EDGE LIGHT
- 12"SD — EXISTING STORM DRAIN
- FLOW DIRECTION
- #10 — HORIZONTAL/VERTICAL CONTROL POINT
- RIP-RAP
- C 52.93 — SPOT ELEVATION
- TRAFFIC CONE

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H. A. CLARK MEMORIAL AIRFIELD

HANGAR DEVELOPMENT

Williams, Arizona

Title

PHASE 1
NESTED T-HANGAR (10)

Project No. 181710122

Scale AS NOTED

Drawing No. C001

Sheet 4 of 9

Revision 0

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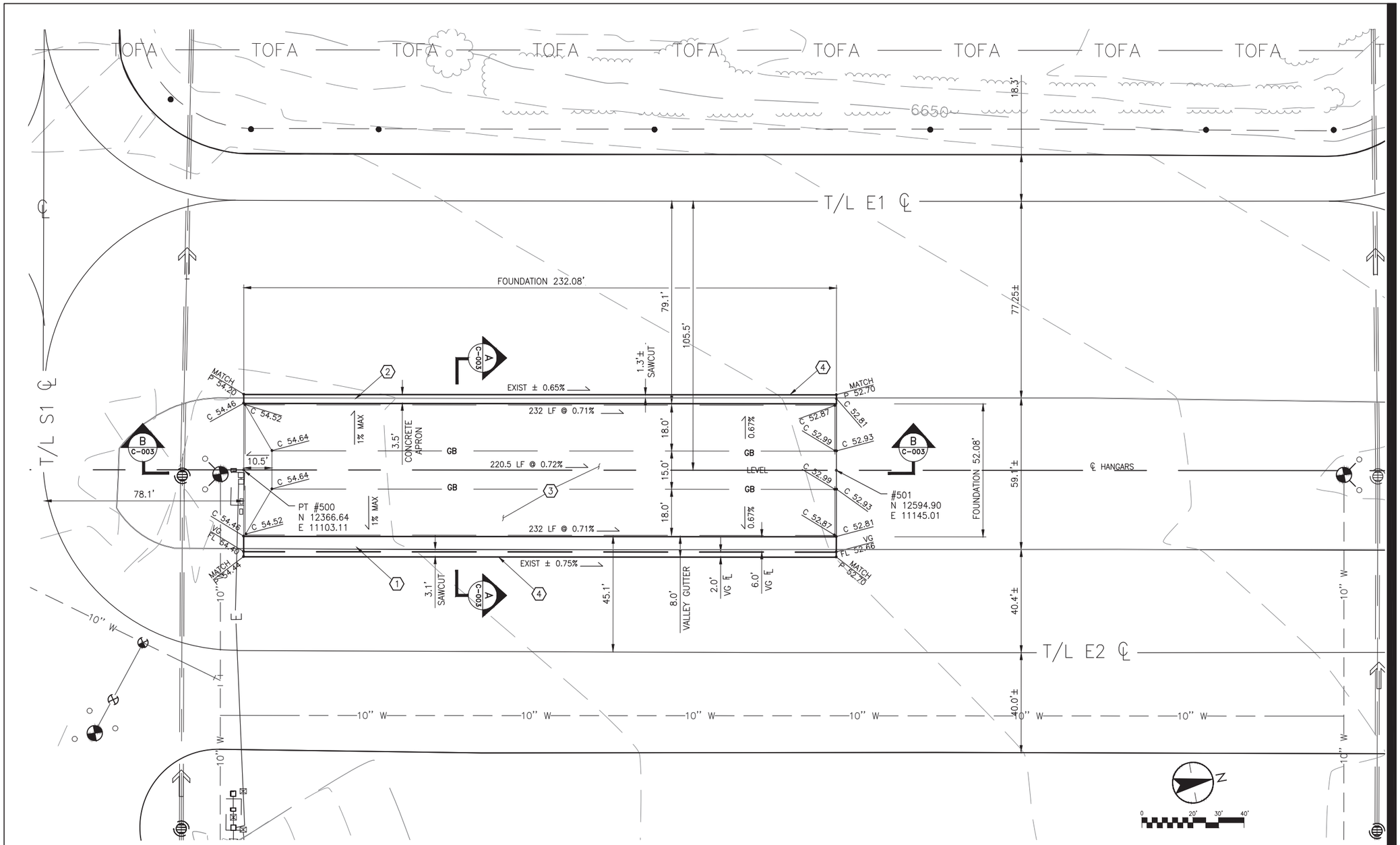


GENERAL NOTES

HANGAR ELEVATIONS ARE GIVEN TO FINISH GRADE. CONTRACTOR SHALL VERIFY ALL MATCH ELEVATIONS PRIOR TO FOUNDATION DESIGN. THE HANGAR CONTRACTOR IS RESPONSIBLE FOR ALL EARTHWORK, SITE PREPARATION, AND CONSTRUCTION STAKING REQUIRED TO CONSTRUCT HANGAR FOUNDATION, SLAB, AND THE HANGAR TO THE ELEVATIONS SHOWN ON THE PLANS THAT CONTRACTOR WILL PROVIDE.

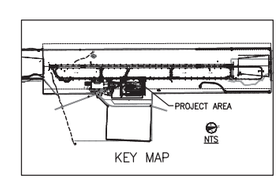
CONTRACTOR TO PROVIDE FOUNDATION DESIGN CALCULATIONS, DRAWINGS, AND DETAILS TO BE SEALED BY A REGISTERED ENGINEER IN THE STATE OF ARIZONA FOR SUBMITTAL TO THE GOVERNING AGENCY (CITY OF WILLIAMS) FOR PERMITTING. THE FOUNDATION DIMENSIONS AND STEEL LAYOUT GIVEN SHALL BE THE MINIMUM CONSTRUCTED AND MAY INCREASE BASED UPON STRUCTURAL CALCULATIONS BY MANUFACTURER. SEE SPECIFICATIONS.

THE CONTRACTOR SHALL UTILIZE THE MATERIAL INSIDE THE GRADING LIMITS (GRADING/BORROW AREA) TO CONSTRUCT THE BUILDING PAD. UPON COMPLETION OF THE UTILITIES AND FOUNDATION, THE CONTRACTOR WILL FINISH THE SUBGRADE BETWEEN THE PROPOSED HANGAR AND THE SURROUNDING PAVEMENTS, BUILD THE STRUCTURAL SECTION AND PAVE THE ENTIRE AREA WITH PORTLAND CEMENT CONCRETE AS NEEDED OUTSIDE THE HANGAR.

CONTRACTOR SHALL PROVIDE ALL QUALITY CONTROL TESTING REQUIRED FOR THE WORK AND SHALL SUBMIT COPIES OF THE TESTS RESULTS TO THE OWNER.

CONSTRUCTION NOTES

1. CONSTRUCT 232 LF VALLEY GUTTER PER DETAIL SHEET C003.
2. CONSTRUCT 232 LF CONCRETE APRON PER DETAIL SHEET C003.
3. CONSTRUCT CONCRETE FOUNDATION AND FLOOR FOR NESTED T–HANGAR STRUCTURE. CONSTRUCT WALL PANEL SHEET NOTCHES INTO EDGES OF CONCRETE PAD PER DETAIL SHEET C003. CONTRACTOR TO PROVIDE SEALED FOUNDATION PLANS FOR PERMITTING APPROVAL.
4. SAWCUT AND REMOVE EXISTING AC PAVEMENT PER PLAN DIMENSION. DISPOSE OF AC PAVEMENT OFF AIRPORT PROPERTY AT CITY OF WILLIAMS PUBLIC WORKS YARD. COORDINATE WITH CITY OF WILLIAMS FOR DISPOSAL FEES.
5. EXCAVATED SOIL MATERIALS CAN BE DISPOSED OF ON AIRPORT PROPERTY.
6. FOUNDATION ELEVATIONS ARE BASED ON AVAILABLE RECORDS. CONTRACTOR TO VERIFY PAVEMENT MATCH ELEVATIONS AND ADJUST FOUNDATION ELEVATIONS IF REQUIRED.



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- FLOW DIRECTION
- #10 — HORIZONTAL/VERTICAL CONTROL POINT
- RIP–RAP
- C 52.93 — SPOT ELEVATION

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Expires 6/30/2015

Client/Project
H. A. CLARK MEMORIAL AIRFIELD

HANGAR DEVELOPMENT

Williams, Arizona

Title
NESTED T-HANGAR (10) GRADING AND PAVING PLAN

Project No.	Scale
181710122	AS NOTED

Drawing No.	Sheet	Revision
C002	5 of 9	0

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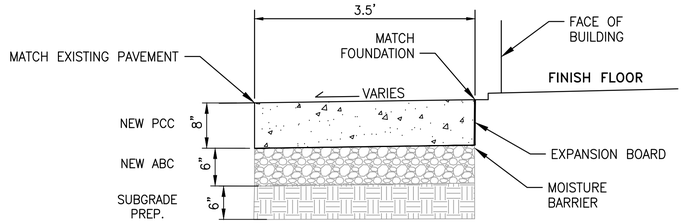
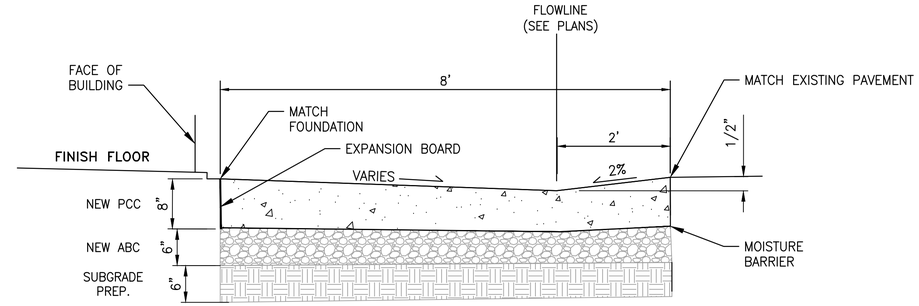


CONCRETE APRON (WEST SIDE OF HANGARS)

NTS

NOTE:
SLOPE TO HANGAR FOUNDATION SHALL NOT EXCEED 2.5%.



CONCRETE VALLEY GUTTER (EAST SIDE OF HANGARS)

NTS

NOTE:
SLOPE TO HANGAR FOUNDATION SHALL NOT EXCEED 2.5%.

NOTES

1. ALL CONCRETE TO BE FURNISHED WITH 1 LBS/CU. YD. "FIBERMESH" REINFORCEMENT.

2. PRE-MOLDED EXPANSION JOINT FILLER 1/2" THICK CONFORMING TO ASTM D-1751 SHALL BE PLACED AT EXISTING FLOOR AND AT ALL EXPANSION JOINTS, (50' MAX.).

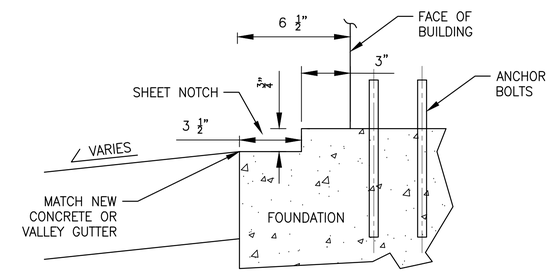
3. TOOLED CONTRACTION JOINTS SHALL HAVE A MAXIMUM SPACING OF 10'.

4. CONCRETE FOR APRON AND VALLEY GUTTER TO BE MAG CLASS "A" 3000 PSI.

5. CONSTRUCTION OF CONCRETE APRON AND VALLEY GUTTER SHALL BE IN ACCORDANCE WITH MAG SECTION 340. BROOM FINISH ALL SURFACES. MOISTURE BARRIER TO BE 5 MIL THICK POLYETHELYNE FILM.

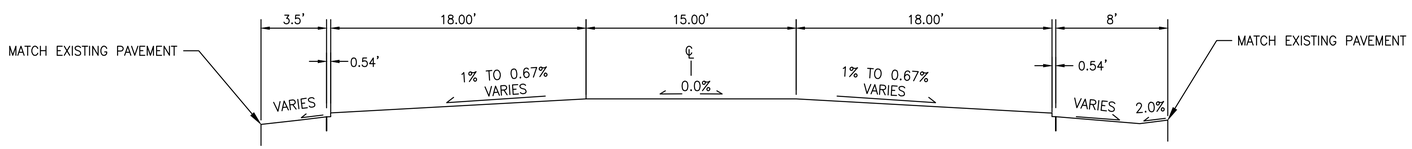
6. AGGREGATE BASE COURSE SHALL BE IN ACCORDANCE WITH MAG SECTION 310 COMPACTED TO 100% ASTM D-698.

7. UPPER SIX INCHES OF SUBGRADE SHALL BE IN ACCORDANCE WITH MAG SECTION 301 COMPACTED TO 95% OF ASTM D-698.



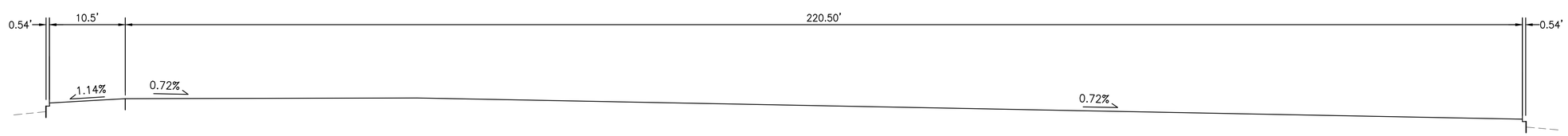
FOUNDATION SHEET NOTCH DETAIL

NTS



SECTION A-A

NTS



SECTION B-B

NTS

Call at least two full working days before you begin excavation
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

Stantec

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Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name: 10122 C003.dwg	RSC	MTK	DCS	14.10.28
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Seal

Registered Professional Engineer (Civil) 22520 MARK T. KOESTER 10/29/2014 Date Signed ARIZONA U.S.A.

Expires 6/30/2015

Client/Project
H. A. CLARK MEMORIAL AIRFIELD

HANGAR DEVELOPMENT

Williams, Arizona

Title
DETAILS

Project No. 181710122

Scale AS NOTED

Drawing No. C003

Sheet 6 of 9

Revision 0

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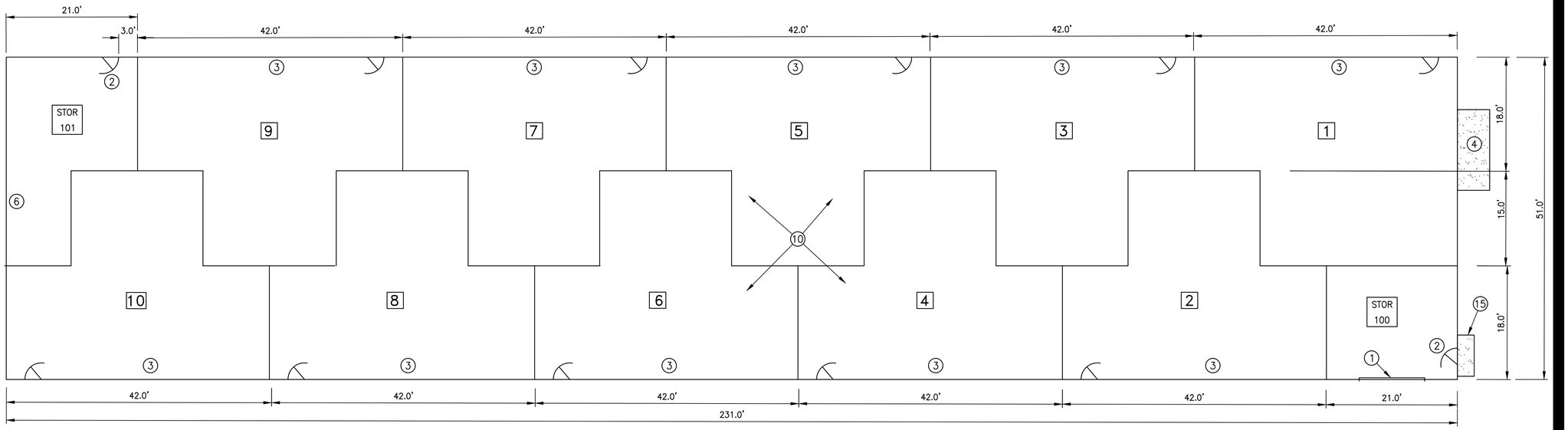
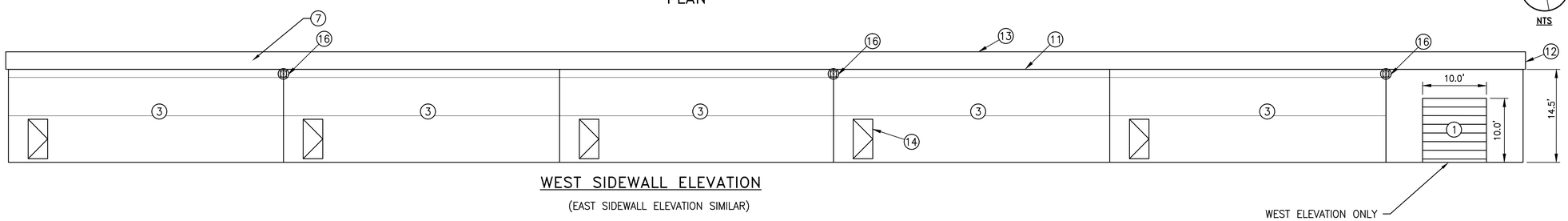
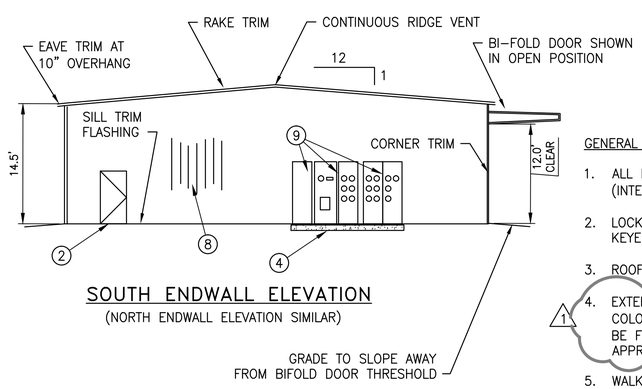


FLOOR PLAN



WEST SIDEWALL ELEVATION

(EAST SIDEWALL ELEVATION SIMILAR)



SOUTH ENDWALL ELEVATION

(NORTH ENDWALL ELEVATION SIMILAR)

GENERAL NOTES:

1. ALL PRIMARY AND SECONDARY STEEL TO BE RED PRIMED. (INTENDED FOR SHORT TERM EXPOSURE ONLY)
2. LOCKSETS TO BE "TELL" KEYED DIFFERENTLY AND MASTER KEYED.
3. ROOF OVERHANG TO BE 10" FROM STEEL LINE.
4. EXTERIOR WALL PANELS COLOR TO BE WHITE (REF EAT-MS COLORFAST #30), AND ROOF PANELS AND TRIM COLOR TO BE FOREST GREEN (REF EAT-MS COLORFAST #26), OR APPROVED EQUAL. (1)
5. WALK DOOR IN BI-FOLD DOORS. SIDE AND END WALLS WHERE APPLICABLE TO BE FLUSH. COLOR TO BE SELECTED (PER MANUFACTURER'S STANDARD)
6. BI-FOLD DOOR PUSH BUTTON OPERATORS MOMENTARY PRESSURE "DOOR UP" AND "DOOR DOWN".
7. BI-FOLD DOOR EQUIPPED WITH MANUAL CAMLOCKS

NOTES:

1. THIS PROJECT INCLUDES BUT IS NOT LIMITED TO CONSTRUCTION OF THE FOLLOWING:
   - BUILDING PAD GRADING
   - CONCRETE FOUNDATION
   - METAL FRAMING
   - METAL ROOFING AND SIDING
   - ELECTRICAL, LIGHTING, AND PLUMBING SYSTEMS
2. ALL CONSTUCTION SHALL COMPLY WITH THE FOLLOWING
   - 2006 International Building Code
   - 2006 International Residential Code
   - 2006 International Fire Code
   - 2006 International Building Code2006
   - International Mechanical Code 2006
   - International Plumbing Code 2006
   - International Fuel Gas Code
   - 2006 International Existing Building Code 2006
   - International Property Maintenance Code
   - 2006 International Code Council Electrical Code– Administrative Provisions
   - 2005 National Electric Code
   - Americans with Disabilities Act Accessibilities Guidelines
3. THE PROPOSED IS A SINGLE STORY, NON-SPRINKLERED BUILDING WITH AN OCCUPANCY CLASSIFICATION OF S-2, INDUSTRIAL MODERATE OCCUPANCY.
4. THE BUILDING SHALL BE BASED ON THE FOLLOWING MINIMUM DESIGN PARAMETERS:
   - Roof Snow Load: 40psf
   - Frost Line: 30" below finish grade
   - Wind Speed (3 second gust): 90mph Exposures: B, C contact Building Dept. confirm
   - Seismic Design Category: C
   - Flood Insurance Rate Map: Community Panel # 040027-0001B-4B

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CONSTRUCTION NOTES

1. MANUAL ROLL UP DOOR 10'x10' INSULATED, CENTERED ON WALL
2. PEDESTRIAN DOOR – 3'6" HM DOOR IN HM FRAME (SEE NOTE 14).
3. BIFOLD HANGAR DOOR WITH INTEGRAL PEDESTRIAN DOOR.
4. EXISTING ELECTRICAL EQUIPMENT PAD.
5. PROVIDE ADDITIONAL BLOCKING AND FRAMING AT EQUIPMENT PAD LOCATION.
6. DESIGN END WALL FOR FUTURE EXPANSION TO THE NORTH. DESIGN FOUNDATION PIERS TO CARRY APPROPRIATE LOADS FOR FUTURE EXPANSION. END STORAGE BAY PASSAGE DOOR AND SIDE WALL FRAMING. ALONG WITH END WALL FRAMING WILL BE UTILIZED SHOULD EXPANSION OCCUR. END STORAGE UNIT 101 WOULD BE CONVERTED TO FULL HANGAR BAY.
7. ROOF PANELS
8. WALL PANELS
9. ELECTRIC PANEL SECTION
10. SEALED CONCRETE FLOOR
11. EAVE TRIM AT 10" OVERHANG
12. RAKE TRIM
13. CONTINUOUS LOW PROFILE RIDGE VENT WITH NON-SECTIONAL RIDGE VENTILATORS (1)
14. FLUSH STEEL WALK DOOR WITH TELL LEVER LOCKSET (12 EA)
15. MINIMUM 4" THICK CONCRETE STOOP FROM DOOR TO PAVING
16. EXTERIOR LIGHT FIXTURE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ATTACHING ALL LIGHT FIXTURES TO BUILDING.

Revision	By	Appd.	YY.MM.DD
1 CLARIFICATION REVISION			02/11/15

Issued	By	Appd.	YY.MM.DD
File Name: 10122 A001.dwg	RSC	MTK	DCS 14.10.28
	Dwn.	Chkd.	Dsgn. YY.MM.DD

Seal

REGISTERED ARCHITECT CERTIFICATE NO. 14362 PAUL MICHEAL MULLINS Date Signed 2-11-15 ARIZONA U.S.A.

Expires 9/30/2015

Client/Project

H. A. CLARK MEMORIAL AIRFIELD

HANGAR DEVELOPMENT

Williams, Arizona

Title

FLOOR PLAN AND ELEVATIONS

Project No. 181710122

Scale

Drawing No. A001

Sheet 7 of 9

Revision 0

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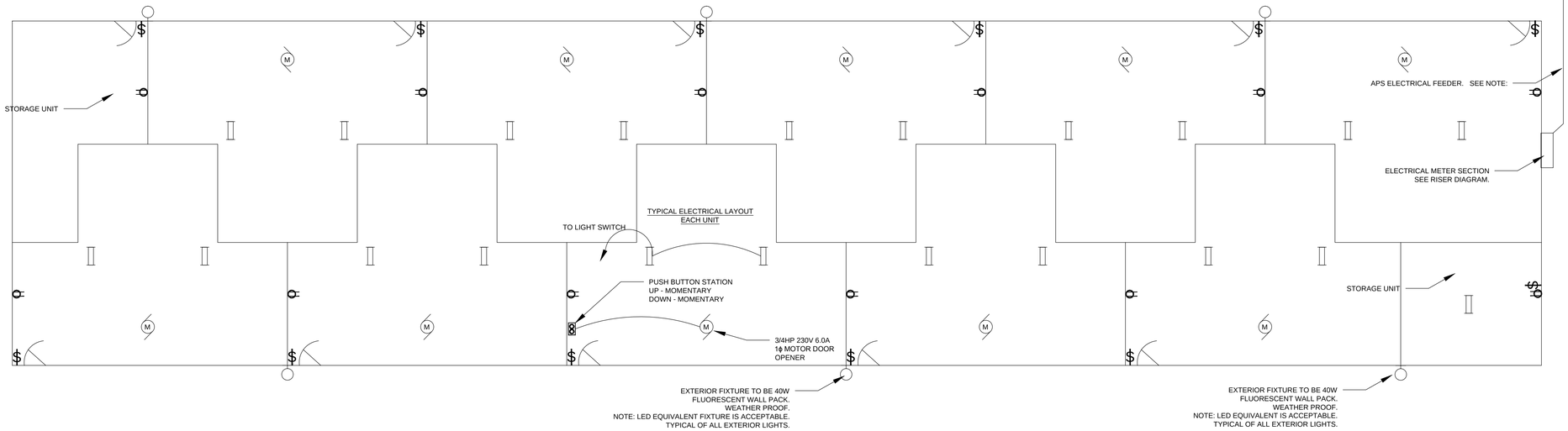
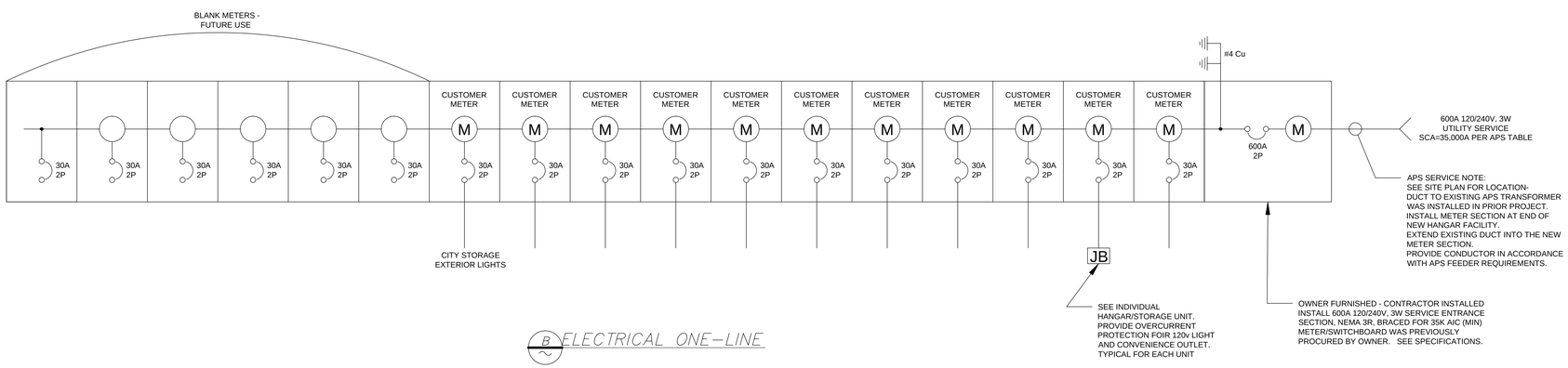


A ELECTRICAL FLOOR PLAN



B ELECTRICAL ONE-LINE

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In Maricopa County: (602) 263-1100

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Consultants

jk ENGINEERS INC
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Fargo, North Dakota 58104
Phone: 701.365.0917
Fax: 701.365.0920
jk-engineers.com

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Registered Professional Engineer (Electrical)
CERTIFICATE NO. 32187
JOEL A. KATH
10-21-14
Date Signed
ARIZONA, U.S.A.

EXPIRES: 3/31/2016

Client/Project

H. A. CLARK MEMORIAL AIRFIELD

HANGAR DEVELOPMENT

Williams, Arizona

Title

NESTED HANGAR (10)
ELECTRIC PLAN

Project No.	Scale	
181710122	AS NOTED	
Drawing No.	Sheet	Revision
E001	8 of 8	0

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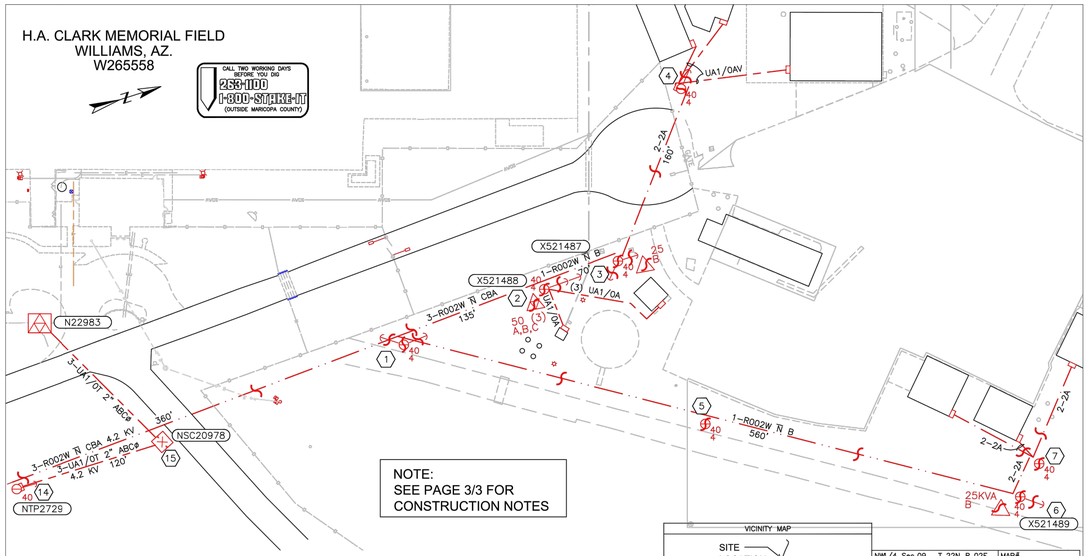
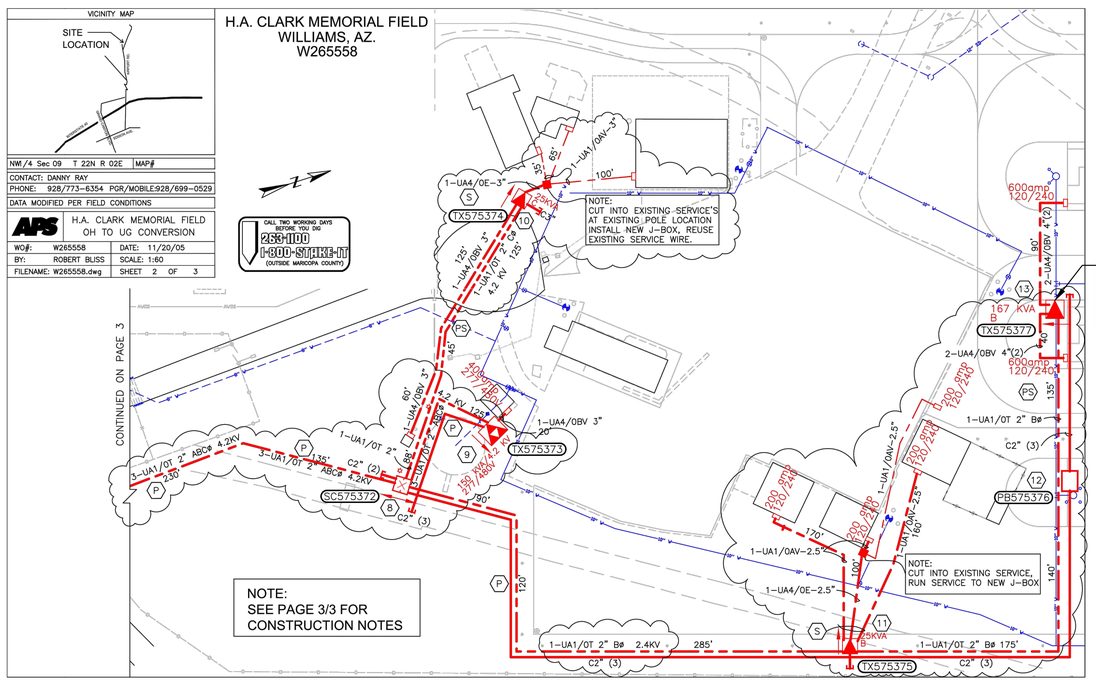


NOTE:
CUSTOMER IS RESPONSIBLE FOR LOCATING AND PROVING THE USABILITY AND INTEGRITY OF THE EXISTING CONDUITS & SWEEPS PRIOR TO APS INSTALLING CABLE. SHOULD NEW CONDUIT NEED TO BE INSTALLED, ALL COSTS INCURRED ARE AT CUSTOMER'S EXPENSE.

ATTENTION:
APS SURVEY REQUIRED PRIOR TO CUSTOMER TRENCHING. CONTACT THE WILLIAMS OFFICE @ (928)773-6354 TEN WORKING DAYS PRIOR TO THE DATE SURVEY IS REQUIRED. PROVIDE ALL PROPERTY CORNERS AND GRADE STAKES PRIOR TO APS SURVEY.



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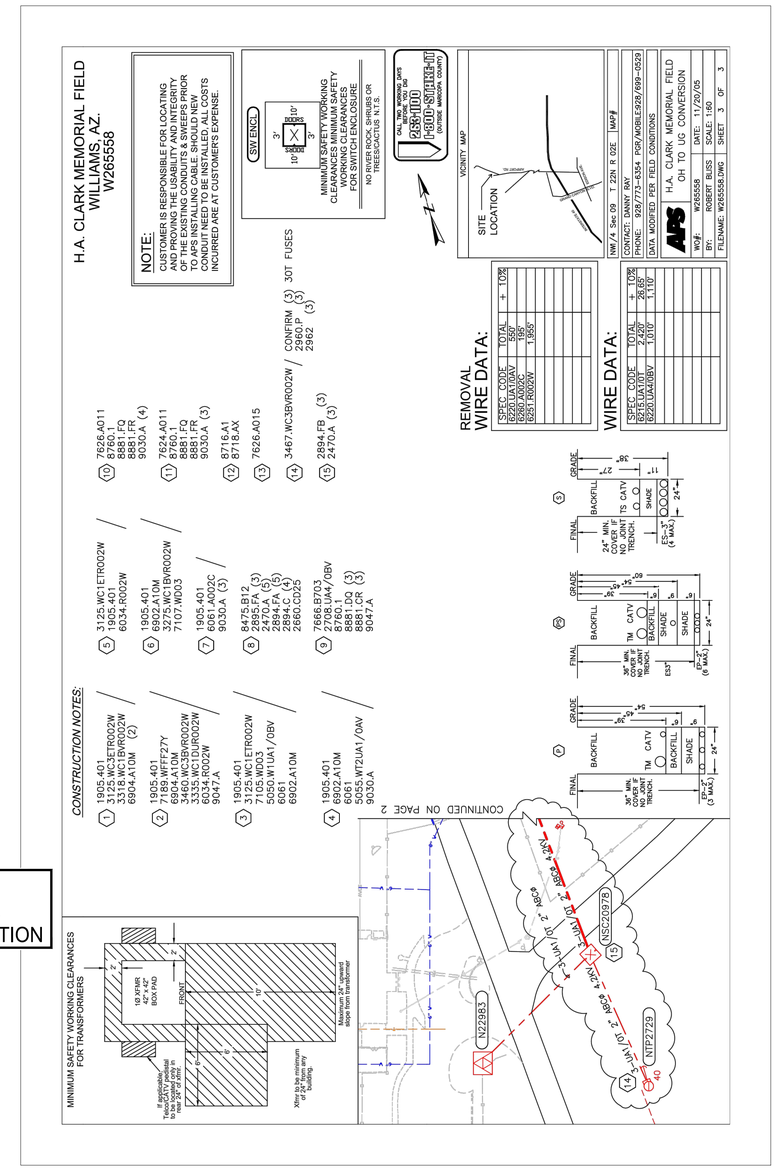

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File Name: 10122 APS01.dwg	RSC	MTK	DCS	14.10.28
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Seal

FOR REFERENCE ONLY

Client/Project
H. A. CLARK MEMORIAL AIRFIELD

HANGAR DEVELOPMENT

Williams, Arizona

Title
APS PLAN

Project No.	Scale
181710122	AS NOTED

Drawing No.	Sheet	Revision
APS01	9 of 9	0

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