







STRUCTURAL ABBREVIATIONS:

Table with 2 columns: Abbreviation and Full Name. Includes entries like ACI (AMERICAN CONCRETE INSTITUTE), ADD'L (ADDITIONAL), AISI (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), etc.

GENERAL NOTES:

- 1.0 THIS PROJECT HAS BEEN DESIGNED FOR THE WEIGHTS AND MATERIALS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED DEAD AND LIVE LOADS INDICATED IN THE STRUCTURAL DESIGN CRITERIA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGING, BRACING, SHEETING AND SHORING, ETC.

FOUNDATION NOTES

- 2.0 THE GEOTECHNICAL ANALYSIS FOR THIS PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR AWARDED THE WORK. AN ASSUMED ALLOWABLE SOIL BEARING VALUE OF 72 kPa HAS BEEN USED IN THE STRUCTURAL ANALYSIS OF THE BUILDING AND SHALL BE CONFIRMED AND VERIFIED AS PART OF THE GEOTECHNICAL INVESTIGATION. VALUES WHICH DO NOT MEET THE REQUIREMENTS INDICATED IN THE STRUCTURAL DESIGN CRITERIA, FOUNDATION LOADS SECTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER FOR CONSIDERATION AND DETERMINATION ON THE NEXT APPROPRIATE COURSE OF ACTION.

CONCRETE

- 3.0 CONCRETE SHALL HAVE THE UNIT WEIGHT OF 2350 kg/m³ AND A MINIMUM COMPRESSIVE STRENGTH (fc) OF 28 MPa AT 28 DAYS. ALL CONCRETE SHALL HAVE A MAXIMUM WATER-CEMENT RATIO OF 0.45. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ENTRAIN AIR TO PRODUCE TOTAL AIR CONTENT ACCORDING TO THE SPECIFICATIONS FOR CONCRETE EXPOSED TO FREEZING TEMPERATURES (EXTERIOR FOOTINGS AND STEM WALLS, SLAB TURNDOWNS, EXTERIOR SLABS AND SLABS-ON-GRADE, EXTERIOR RETAINING WALLS.)

CONCRETE CONT

- 3.22 ANCHOR RODS TO BE ASTM F 1554 Fy=248 MPa MINIMUM, GALVANIZED, UNLESS NOTED OTHERWISE.
- 3.23 UNLESS NOTED OTHERWISE, ALL CURBS SHALL BE REINFORCED WITH AT LEAST (1)-#14 CONTINUOUS AND #14 AT 450mm O.C. DOWELS TO THE SLAB-ON-GRADE.



US ARMY CORPS OF ENGINEERS AFGHANISTAN NORTH DISTRICT

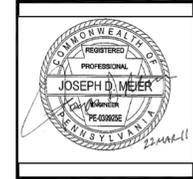
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U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN CORPS OF ENGINEERS APO AE 09356

SITE ADAPT DESIGN B21 - NCO BARRACKS - LARGE - ARCH SPAN ABBREVIATIONS AND GENERAL NOTES

SHEET REFERENCE NUMBER: S-001



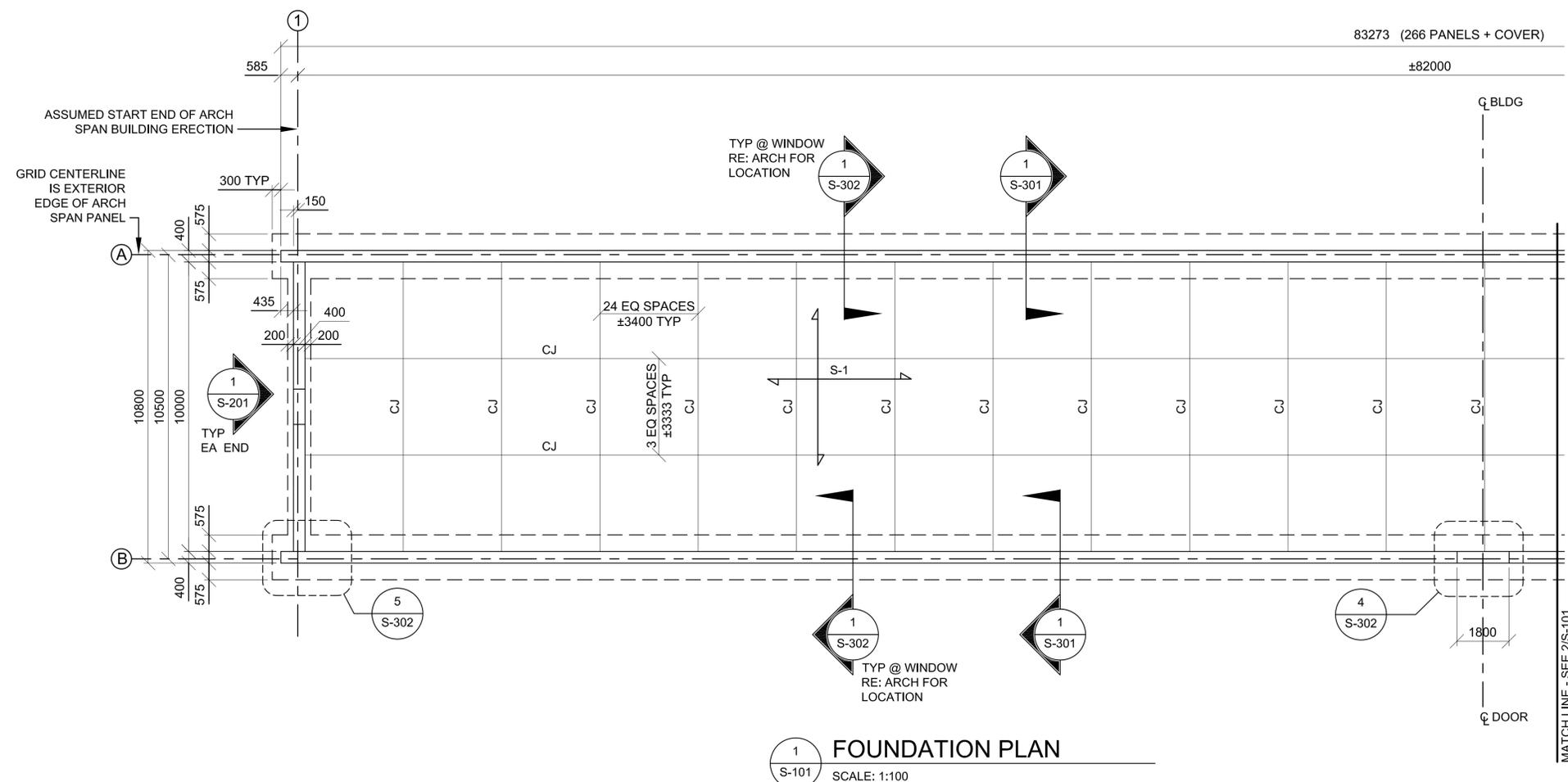
UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



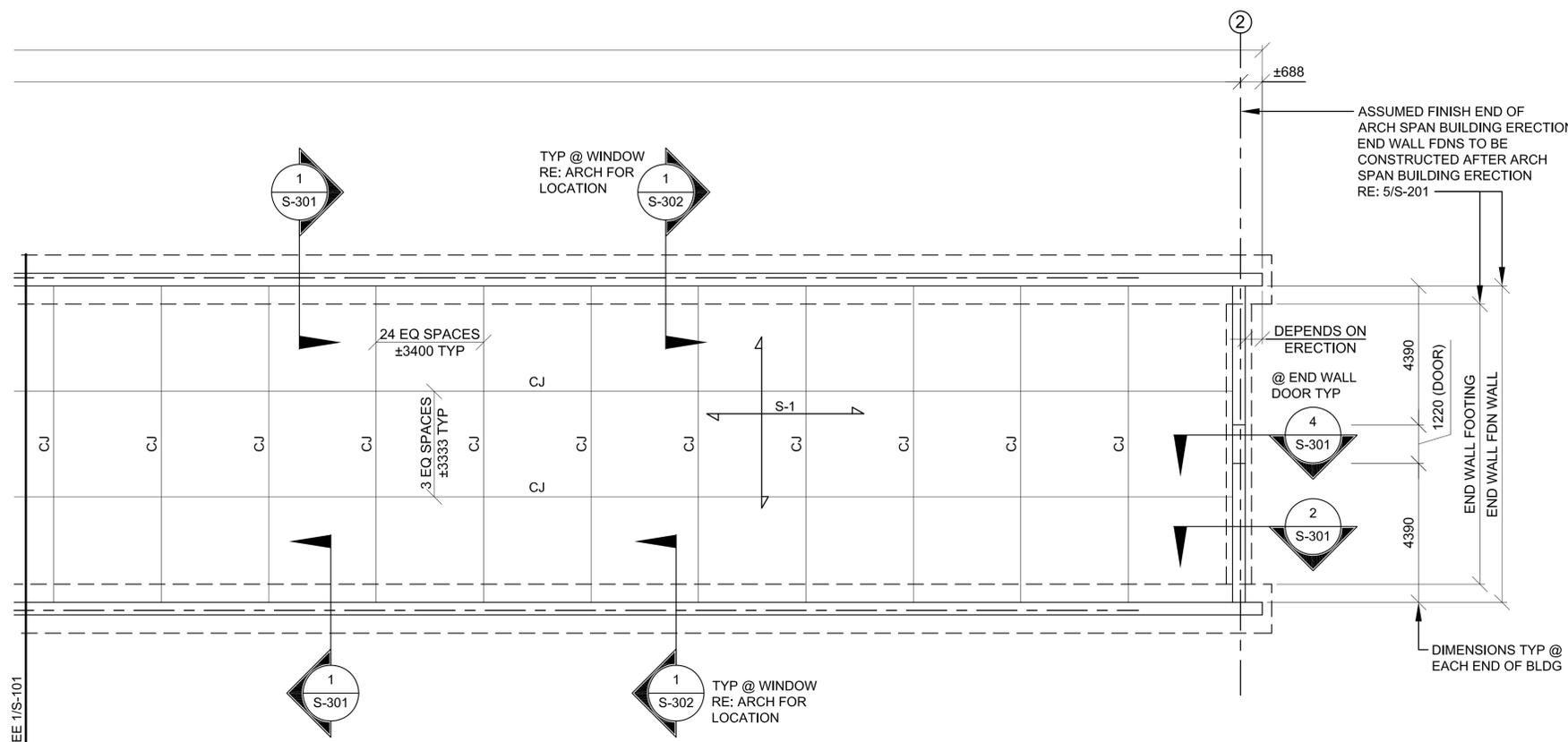
A B C D E F G H

83273 (266 PANELS + COVER)

±82000



1 FOUNDATION PLAN  
S-101 SCALE: 1:100



2 FOUNDATION PLAN CONT.  
S-101 SCALE: 1:100

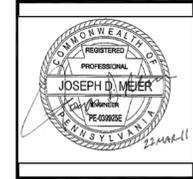
**FOUNDATION PLAN NOTES:**

- RE: DRAWINGS S-001 AND S-002 FOR GENERAL NOTES AND DESIGN CRITERIA.
- COORDINATE DIMENSIONS, WALL OPENINGS, ELEVATIONS, SECTIONS, AND DETAILS WITH ARCHITECTURAL DRAWINGS.
- TOP OF SLAB ELEVATION MUST BE COORDINATED WITH SITE ADAPT CIVIL DRAWINGS. TOP OF FLOOR SLAB IS AT THE DATUM ELEVATION = 0. ALL ELEVATIONS ARE REFERENCED FROM THIS ELEVATION.
- BOTTOM OF CONCRETE FOOTING ELEVATIONS = -950 (BELOW TOP OF SLAB, TYP UNO).
- S-1 DENOTES A 100 CONCRETE SLAB-ON-GRADE REINFORCED WITH #10 @ 400. PLACE SLAB OVER 0.25 VAPOR RETARDER AND 100 COMPACTED GRANULAR SUB-BASE MATERIAL SUCH AS AASHTO #57 STONE.
- S-2 DENOTES A 150 CONCRETE SLAB-ON-GRADE REINFORCED WITH #14 @ 400. PLACE SLAB OVER 0.25 VAPOR RETARDER AND 100 COMPACTED GRANULAR SUB-BASE MATERIAL SUCH AS AASHTO #57 STONE. THIS NOTE ONLY APPLIES TO BUILDINGS WITH LATRINE FACILITIES.
- SPACE SLAB CONTROL/CONSTRUCTION JOINTS AS SHOWN. C/J = CONTROL OR CONSTRUCTION JOINT. RE: 2/S-501.
- PROVIDE ADDITIONAL SLAB REINFORCEMENT AT ALL RE-ENTRANT CORNERS, RE: 8/S-501.
- RE: DRAWING S-501 FOR TYPICAL FOUNDATION AND SLAB DETAILS.
- LOCATION OF FLOOR DRAINS ARE NOT SHOWN, COORDINATE LOCATIONS AND SLOPE OF SLAB WITH PLUMBING AND ARCHITECTURAL DRAWINGS.
- COORDINATE MECHANICAL PENETRATIONS W/ M/E/P DRAWINGS.
- PROVIDE REINFORCED CONCRETE WALK-OFF MATS AT ALL EXTERIOR DOORS RE: A-503 FOR DETAILS AND ARCHITECTURAL FLOOR PLAN FOR LOCATIONS.



0 2000 4000  
SCALE: 1:100

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AFGHANISTAN NORTH DISTRICT

REV.	DATE	DESCRIPTION
0		

DATE: 3/22/2011  
CONTRACT NO.: W912ER-09-D-0002  
DRAWING CODE:  
FILE NAME: ARCH-ARCH-83273-101.DWG  
PLOT SCALE: 1:100  
PLOT DATE: 3/22/2011

DESIGNED BY: JDM  
DWN BY: RMS  
CHKD BY: EPS  
REVIEWED BY: JH  
SUBMITTED BY: BAKER

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APO AE 09356

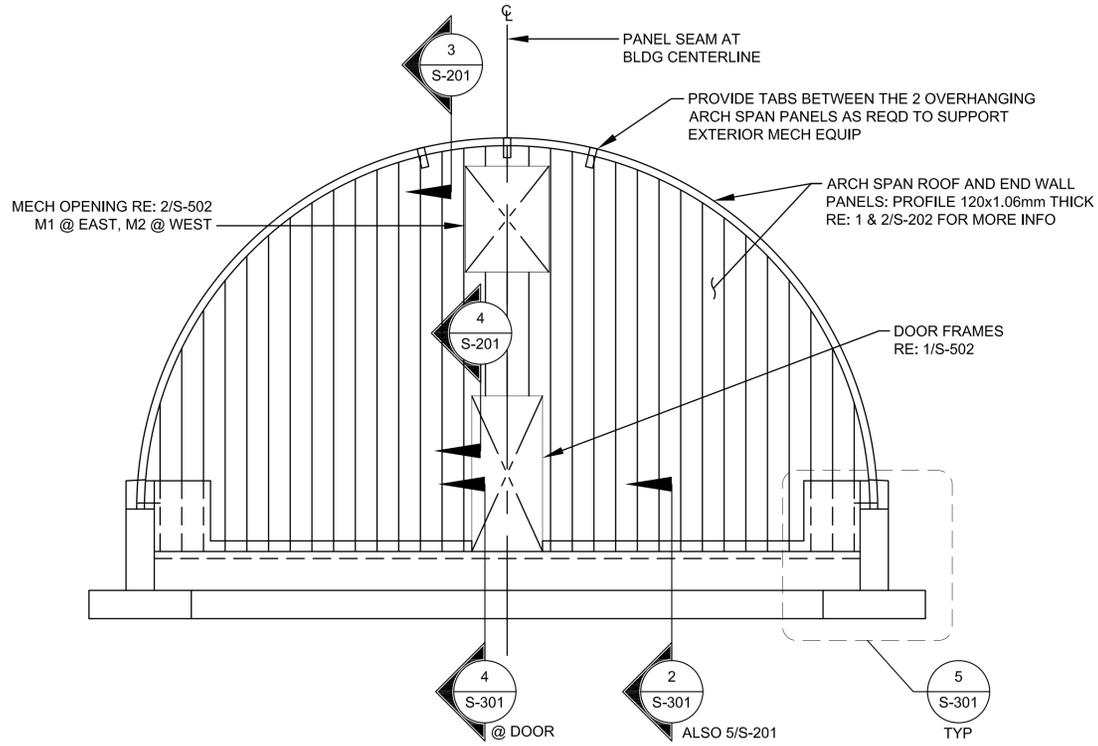
SITE ADAPT DESIGN  
B21 - NCO BARRACKS - LARGE - ARCH SPAN  
FOUNDATION PLAN

SHEET REFERENCE NUMBER:  
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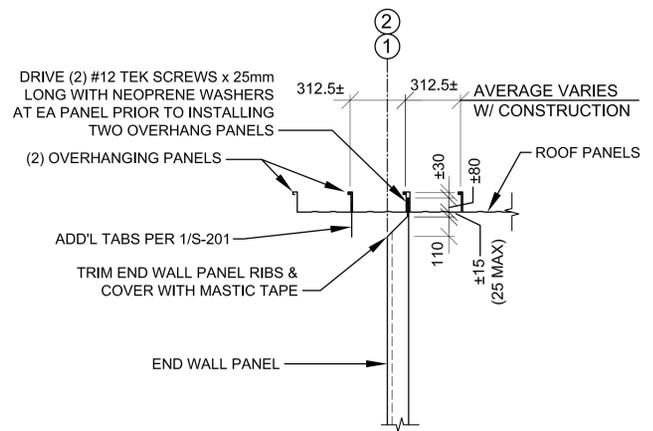
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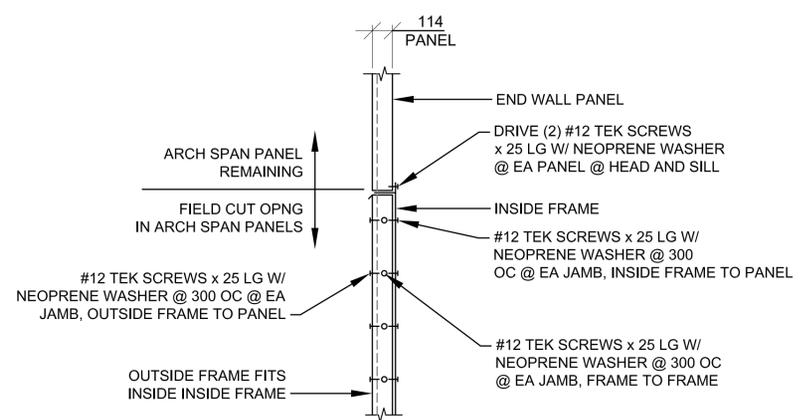
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5  
4  
3  
2  
1



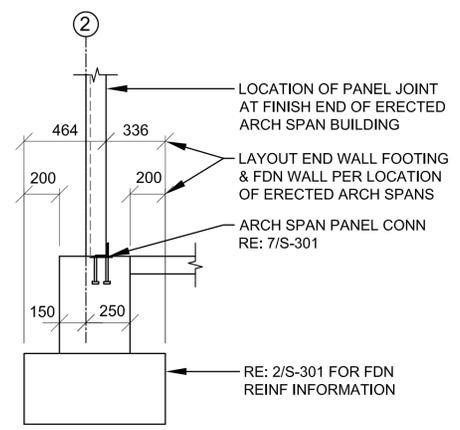
1 EAST & WEST ELEVATION  
S-201 SCALE: 1:50



3 SECTION  
S-201 SCALE: 1:20

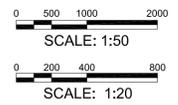


4 SECTION  
S-201 SCALE: 1:20

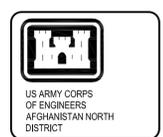
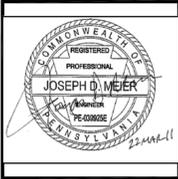


5 SECTION  
S-201 SCALE: 1:20

2 NOT USED  
S-201 SCALE: NTS



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REV.	DATE	DESCRIPTION
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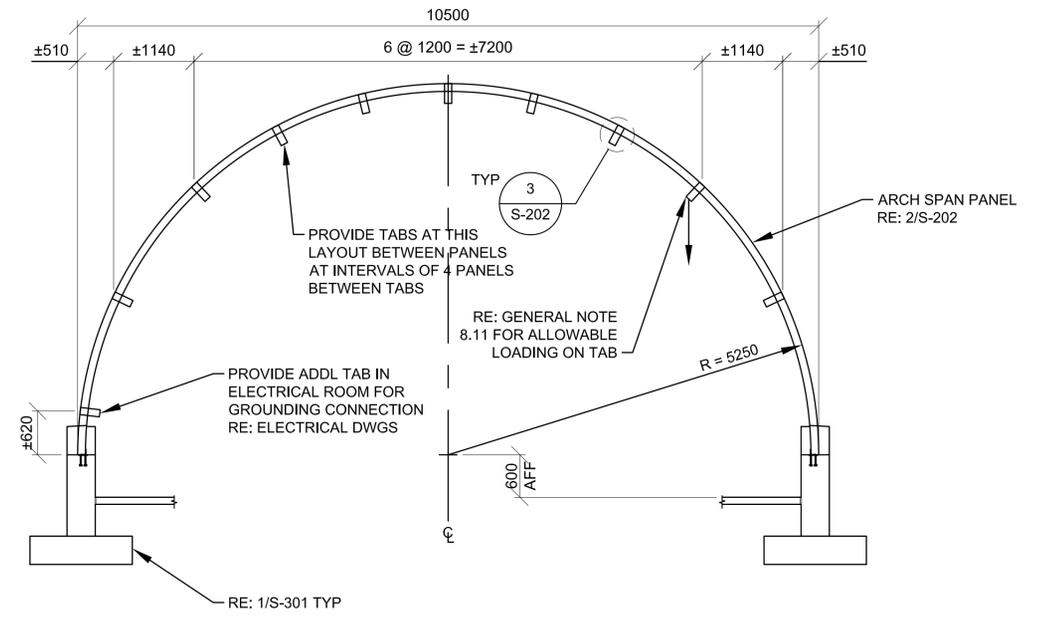
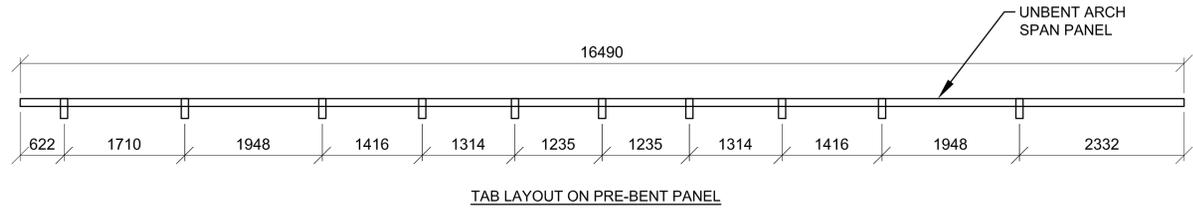
DESIGNED BY: JDM	CKD BY: EFS	DATE: 3-22-2011
DWN BY: RMS	REVIEWED BY: JH	CONTRACT NO: W912ER-09-D-0002
		DRAWING CODE:
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APO AE 09356

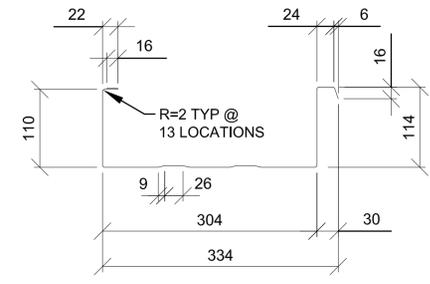
SITE ADAPT DESIGN  
B21 - NCO BARRACKS - LARGE - ARCH SPAN  
BUILDING ELEVATION AND DETAILS

SHEET REFERENCE NUMBER:  
**S-201**

3/22/2011 3:49 PM



**1 BUILDING SECTION**  
S-202 SCALE: 1:50

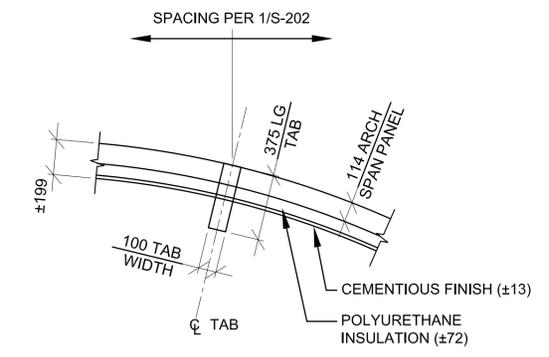


**NOMINAL STRENGTH VALUES PER PANEL (WITHOUT FACTOR OF SAFETY)**  
 SHEAR :  $V_n = 1093.16 \text{ kg}$   
 AXIAL COMPRESSION :  $P_n = 5542.9 \text{ kg}^*$   
 POSITIVE MOMENT :  $+M_n = 494.6 \text{ kg-m}$   
 NEGATIVE MOMENT :  $-M_n = 264.75 \text{ kg-m}^*$

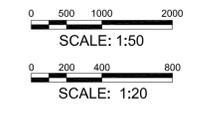
\* THE CURVING PROCESS REDUCES THE NOMINAL STRENGTH OF ARCH-SPAN PANELS IN NEGATIVE FLEXURE AND COMPRESSION. THESE VALUES ARE BASED ON TESTING OF PANELS.

**NOTE:**  
ALL DIMENSIONS ARE APPROXIMATE ( $\pm 3\text{mm}$ )

**2 120 PROFILE - PROVIDE 1.06mm (19GA) THICKNESS**  
S-202 SCALE: NTS



**3 STEEL TAB DETAIL**  
S-202 SCALE: 1:20



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



SYMBOL	DESCRIPTION	DATE	APPR.	SYMBOL	DESCRIPTION	DATE	APPR.

DATE:	4-21-2011	REV:	0
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DRAWING CODE:		DWN BY:	RMS
FILE NAME:	ARC-SPAN-SECTION-3-2011.rvt	CKD BY:	EPS
PLOT SCALE:	1:50	REVIEWED BY:	JH
PLOT DATE:	4/21/2011	SUBMITTED BY:	BAKER

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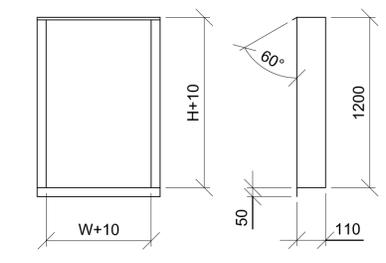
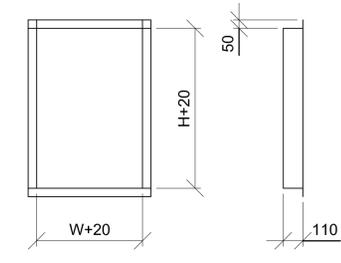
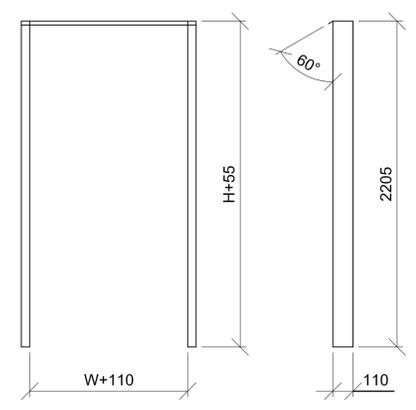
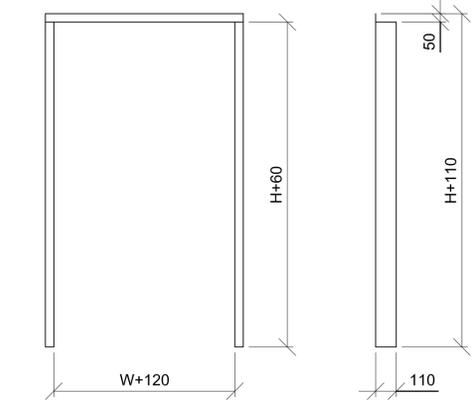
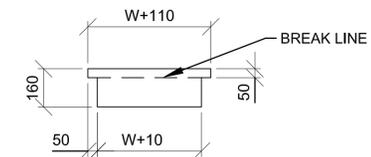
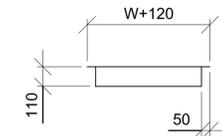
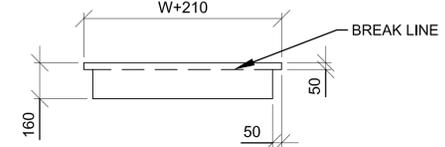
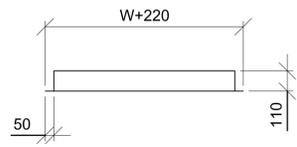
SITE ADAPT DESIGN  
 B21 - NCO BARRACKS - LARGE - ARCH SPAN  
 BUILDING SECTION AND DETAILS

SHEET REFERENCE NUMBER:  
**S-202**









INDOOR FRAME

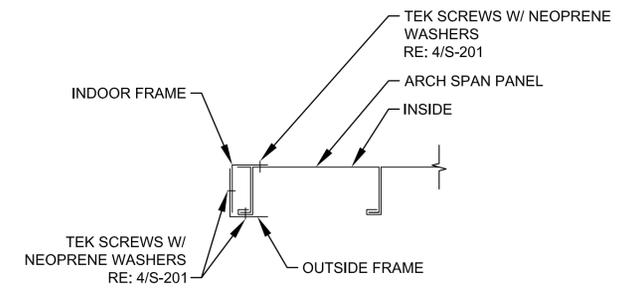
OUTDOOR FRAME

INDOOR FRAME

OUTDOOR FRAME

1 120 DOOR DETAIL  
S-502 SCALE: NTS

2 120 WINDOW/MECH OPENING DETAIL  
S-502 SCALE: NTS



3 TYP JAMB SECTION  
S-502 SCALE: NTS

- DOOR & WINDOW FRAME NOTES:**
1. ALL DIMENSIONS ARE INSIDE DIMENSIONS.
  2. WELD AND GRIND SMOOTH ALL CORNERS.
  3. FRAME THICKNESS = 2.5mm.
  4. ALL FRAMES, INTERIOR AND EXTERIOR, TO BE GALVANIZED.
  5. RE: 1/A-601 FOR DOOR WIDTHS (W) AND HEIGHTS (H).
  6. RE: 3/A-601 FOR WINDOW WIDTHS (W) AND HEIGHTS (H).
  7. RE: SCHEDULE BELOW FOR LOUVER DIMENSIONS.
  8. CUT OPENING DIMENSIONS:
    - WINDOW/LOUVER - W+130
    - DOOR - W+130
    - WINDOW/LOUVER - H+30
    - DOOR - H+65
  9. RE: 3/S-502 FOR TYP JAMB DETAIL

MECH OPENING FRAME SCHEDULE		
TYPE	W	H
M1	787	787
M2	1050	1500



SYMBOL	DESCRIPTION	DATE	APPR.	SYMBOL	DESCRIPTION	DATE	APPR.

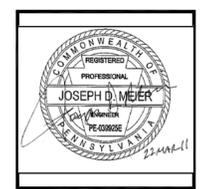
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 CONTRACT NO: W912ER-09-D-0002  
 DRAWING CODE:   
 FILE NAME:   
 PLOT SCALE: NONE  
 PLOT DATE: 3-22-2011

DESIGNED BY: JDM  
 DWN BY: RMS  
 CKD BY: EPS  
 REVIEWED BY: JH  
 SUBMITTED BY: **BAKER**

U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
 CORPS OF ENGINEERS  
 APO AE 09356

SITE ADAPT DESIGN  
 B21 - NCO BARRACKS - LARGE - ARCH SPAN  
 DOOR/WINDOW/MECHANICAL  
 OPENING FRAME DETAILS

SHEET  
 REFERENCE  
 NUMBER:  
**S-502**



UNLESS OTHERWISE NOTED,  
 LINEAR DIMENSIONS  
 SHOWN ARE IN MILLIMETERS.



SCOPE RESPONSIBILITIES SCHEDULE

ITEM	FURNISHED BY	INSTALLED BY	FINAL CONNECTION BY
FREESTANDING FURNITURE	GOVT	GOVT	--
SYSTEMS FURNITURE	GOVT	GOVT	CONTR
OFFICE EQUIPMENT, PERMANENTLY INSTALLED	GOVT	GOVT	GOVT
WORKBENCHES	GOVT	GOVT	CONTR
METAL UTILITY STORAGE SHELVEING	CONTR	CONTR	--
EQUIPMENT, PORTABLE	GOVT	GOVT	--
EQUIPMENT, PERMANENTLY INSTALLED	CONTR	CONTR	CONTR
EQUIPMENT RACKS IN IT ROOMS	CONTR	CONTR	--
FIRE EXTINGUISHERS AND CABINETS	CONTR	CONTR	--
TELEPHONE SWITCH AND HANDSETS	GOVT	GOVT	GOVT
SECURE TELEPHONE INSTRUMENTS (STEs)	GOVT	GOVT	GOVT

ABBREVIATIONS

ACP	ACOUSTIC CEILING PANEL	HVAC	HEATING/VENTILATING/ AIR CONDITIONING	SPEC	SPECIFICATION
AFF	ABOVE FINISH FLOOR			SS	STAINLESS STEEL
ALUM	ALUMINUM	HM	HOLLOW METAL	STN	STAIN
AUTO	AUTOMATIC	INSUL	INSULATION	STD	STANDARD
ABV	ABOVE	INT	INTERIOR	SUSP	SUSPENDED
AT/FP	ANTI-TERRORISM FORCE PROTECTION	JT	JOINT	TC	TOP OF CURB
BC	BOTTOM OF CURB	JAN	JANITOR	TH	THICK
B.O.	BOTTOM OF	LAM	LAMINATE	TYP	TYPICAL
BLK	BLOCK	LAV	LAVATORY	TR	TREAD
BRG	BEARING	LH	LEFT HAND	T.O.	TOP OF
BLKG	BLOCKING	LT	LIGHT	TELE	TELEPHONE
BD	BOARD	LVR	LOUVER	TEMP	TEMPERED/TEMPORARY
BLDG	BUILDING	MAS	MASONRY	UNF	UNFINISHED
CLG	CEILING	MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
CONC	CONCRETE	MECH	MECHANICAL	USAR	UNITED STATES ARMY RESERVE
CONT	CONTINUOUS	MFR	MANUFACTURER	VERT	VERTICAL
CONTR	CONTRACTOR	MIN	MINIMUM	VIF	VERIFY IN FIELD
CMU	CONCRETE MASONRY UNIT	MIR	MIRROR	VTR	VENT THROUGH ROOF
CT	CERAMIC TILE	MISC	MISCELLANEOUS	WD	WOOD
C.J.	CONTROL JOINT	MO	MASONRY OPENING	WH	WATER HEATER
CRS	COURSE	MR	MOISTURE RESISTANT	WWF	WELDED WIRE FABRIC
DIAM	DIAMETER	MS	METAL STUD	W/O	WITHOUT
DN	DOWN	MTL	METAL		
DTL	DETAIL	NA	NOT APPLICABLE		
DWG	DRAWING	NO	NUMBER		
EA	EACH	NOM	NOMINAL		
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	NTS	NOT TO SCALE		
		NIC	NOT IN CONTRACT		
		OPG	OPENING		
EWC	ELECTRIC WATER COOLER	OC	ON CENTER		
EXP	EXPANSION	OH	OVERHEAD		
EXT	EXTERIOR	OPP	OPPOSITE		
EQUIP	EQUIPMENT	PL	PLATE		
ELEC	ELECTRIC	PLAM	PLASTIC LAMINATE		
EL	ELEVATION	PLYWD	PLYWOOD		
EMER	EMERGENCY	PNL	PANEL		
EQ	EQUAL	PREF	PREFABRICATED		
F	FACE OF	PERF	PERFORATED		
FE	FIRE EXTINGUISHER	PR	PAIR		
FEC	FIRE EXTINGUISHER CABINET	PT	PAINT		
FIBERBD	FIBER BOARD	QT	QUARRY TILE		
FL	FLOOR	R	RISER		
FD	FLOOR DRAIN	RAD	RADIUS		
FTG	FOOTING	RD	ROOF DRAIN		
GA	GAUGE	REF	REFERENCE		
GALV	GALVANIZED	REINF	REINFORCED		
GC	GENERAL CONTRACTOR	RH	RIGHT HAND		
GL	GLASS	ROW	RIGHT OF WAY		
GOVT	GOVERNMENT	RM	ROOM		
GYP	GYPSON	RO	ROUGH OPENING		
GWB	GYPSON WALLBOARD	RWC	RAINWATER CONDUCTOR		
HT	HEIGHT	SIM	SIMILAR		
HC	HANDICAPPED	STL	STEEL		
HDW	HARDWARE	STR	STRUCTURE		
HTG	HEATING	STO	STORAGE		

PROJECT NOTES

STANDARDS AND REGULATIONS:

1) CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH APPLICABLE BUILDING CODES, REGULATIONS, ORDINANCES, UTILITY PROVIDER REQUIREMENTS, AND SIMILAR STANDARDS.

2) CONTRACTOR SHALL OBTAIN ALL REQUIRED INSPECTIONS OF THE WORK. CONTRACTOR SHALL REGULARLY UPDATE OWNER AND ARCHITECT REGARDING THE STATUS OF INSPECTIONS.

3) CONTRACTOR SHALL COORDINATE WORK WITH APPLICABLE UTILITY PROVIDERS.

4) CONTRACTOR SHALL BE FAMILIAR WITH REQUIREMENTS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH REFERENCED FIRE-RATED ASSEMBLY TESTS AND STANDARDS.

ADMINISTRATION OF THE WORK:

1) CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION AND DIMENSIONS.

2) CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION PERSONNEL AND AUTHORIZED VISITORS AT THE SITE.

3) CONTRACTOR SHALL BECOME FULLY ACQUAINTED WITH CONDITIONS RELATED TO THE WORK. ANY KNOWN DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE REPORTED TO THE OWNER FOR RESOLUTION PRIOR TO PROCEEDING WITH WORK RELATED TO THE DISCREPANCY.

4) CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION AND DEMOLITION DEBRIS. CONTRACTOR SHALL OBTAIN APPROVAL OF OWNER FOR DETAILS RELATING TO THE REMOVAL OF TRASH, INCLUDING SUCH ISSUES AS PATH OF TRAVEL, USE OF STAIRS AND ELEVATORS, REMOVAL OF WINDOWS, LOCATION OF CHUTES AND DUMPSTERS, ETC., PRIOR TO REMOVAL OF DEBRIS. CONTRACTOR SHALL CLEAN AND REPAIR ANY DAMAGES TO EXISTING ITEMS SOILED OR DAMAGED BY THE DEBRIS REMOVAL PROCESS. IF CLEANING AND/OR REPAIR DOES NOT RETURN ITEMS TO ORIGINAL CONDITION CONTRACTOR SHALL INSTALL NEW ITEMS.

5) CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH OWNER'S PROCEDURES FOR MAINTAINING A SECURE SITE AND BUILDING.

6) EACH INSTALLER SHALL EXAMINE ALL SUBSTRATE CONDITIONS AND/OR SITE CONDITIONS WHICH AFFECT THE QUALITY OF EACH PRODUCT TO BE INSTALLED. IF ANY CONDITIONS EXIST WHICH WILL HAVE A DETRIMENTAL EFFECT ON THE QUALITY OF THE INSTALLATION, THE INSTALLER SHALL IMMEDIATELY NOTIFY THE CONTRACTOR. INSTALLATION SHALL NOT PROCEED UNTIL THE UNSATISFACTORY CONDITIONS ARE CORRECTED. INSTALLATION SHALL SIGNIFY ACCEPTANCE OF THE CONDITIONS.

7) CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS ON THE SITE AT ALL TIMES.

8) CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COORDINATION EFFORTS OF ALL SUBCONTRACTORS.

9) CONTRACTOR SHALL LAY OUT ALL WORK AS SOON AS POSSIBLE. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.

10) DO NOT ATTACH OR HANG ANY ITEMS DIRECTLY FROM ARCH-SPAN PANELS. ATTACH ONLY TO BUILDING TABS LOCATED WITHIN PANEL JOINTS

11) CONTRACTOR TO PROVIDE ALL NECESSARY BLOCKING TO SUPPORT WALL & CEILING MOUNTED EQUIPMENT, FIXTURES AND ACCESSORIES.

USE OF CONSTRUCTION DOCUMENTS:

1) DO NOT SCALE DRAWINGS. ONLY WRITTEN DIMENSIONS OR KEYED NOTES SHALL BE USED. CONTACT ARCHITECT IF CLARIFICATION OR ADDITIONAL INFORMATION IS REQUIRED.

2) THE DRAWINGS ARE SCHEMATIC IN NATURE. MODIFICATIONS IN DUCTS, PIPING, CONDUIT AND WIRING MAY BE REQUIRED TO ACCOMMODATE ACTUAL FIELD CONDITIONS.

3) DRAWINGS SHALL NOT BE REPRODUCED FOR SUBMITTALS.

4) DIMENSIONS ARE AS FOLLOWS UNLESS NOTED OTHERWISE:

- A) TO CENTER LINE OF INTERIOR PARTITIONS
- B) TO CENTERLINE OF COLUMNS.
- C) TO TOP OF FLOOR SLAB.
- D) TO BOTTOM OF FINISHED CEILING.
- E) TO EXTERIOR FACE OF ARCH SPAN PANEL OR TO FACE OF MASONRY OR CONCRETE.

5) VERIFY IN FIELD DIMENSIONS OF ALL DOOR, WINDOW AND LOUVER OPENINGS.

DEFINITIONS:

1) "ALIGN" AS USED IN THESE DOCUMENTS SHALL MEAN TO ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE AND/OR TO INSTALL NEW CONSTRUCTION ADJACENT TO EXISTING CONSTRUCTION WITHOUT ANY VISIBLE JOINTS OR SURFACE IRREGULARITIES.

2) "CLEAR" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS NOT ADJUSTABLE WITHOUT APPROVAL OF THE ARCHITECT. CLEAR DIMENSIONS ARE TYPICALLY TO FINISH FACE.

3) "MAXIMUM" OR "MAX" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS SLIGHTLY ADJUSTABLE BUT MAY NOT VARY TO A DIMENSION OR QUANTITY GREATER THAN THAT SHOWN WITHOUT APPROVAL OF THE ARCHITECT.

4) "MINIMUM" OR "MIN" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS SLIGHTLY ADJUSTABLE BUT MAY NOT VARY TO A DIMENSION OR QUANTITY LESS THAN THAT SHOWN WITHOUT APPROVAL OF THE ARCHITECT.

5) "TYPICAL" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION OR DIMENSION IS THE SAME OR REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT.

6) "" AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE DIMENSION OR QUALITY IS SLIGHTLY ADJUSTABLE TO ACCOMMODATE ACTUAL CONDITIONS. FIELD VERIFICATION AND COORDINATION WITH OTHER ELEMENTS MIGHT BE NECESSARY.

SYMBOLS LEGEND

ROOM NAME XXXX ROOM NAME ROOM NUMBER

PARTITION TYPE

DOOR NUMBER

PROVIDE 150 HINGE SIDE WALL RETURN ON DOORS, U.N.O. OR CENTER IN WALL

SECTION CALL-OUT

DETAIL CALL-OUT

INTERIOR ELEVATION CALL-OUT

KEYNOTE

WINDOW TYPE

ELEVATION CALL-OUT

DETAIL REFERENCE NUMBER  
 SHEET NUMBER DETAIL IS DRAWN ON

ELEVATION MARK

METAL STUD AND GWB PARTITION

CONCRETE

BRICK

CONCRETE BLOCK

FIBERGLASS BATT INSULATION

RIGID BOARD INSULATION

CONCRETE OR GROUT (DRAWN IN SECTION)

CONCRETE PAVING (DRAWN IN PLAN)

UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



US ARMY CORPS OF ENGINEERS  
AFGHANISTAN NORTH DISTRICT

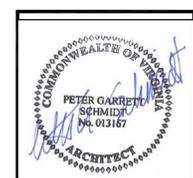
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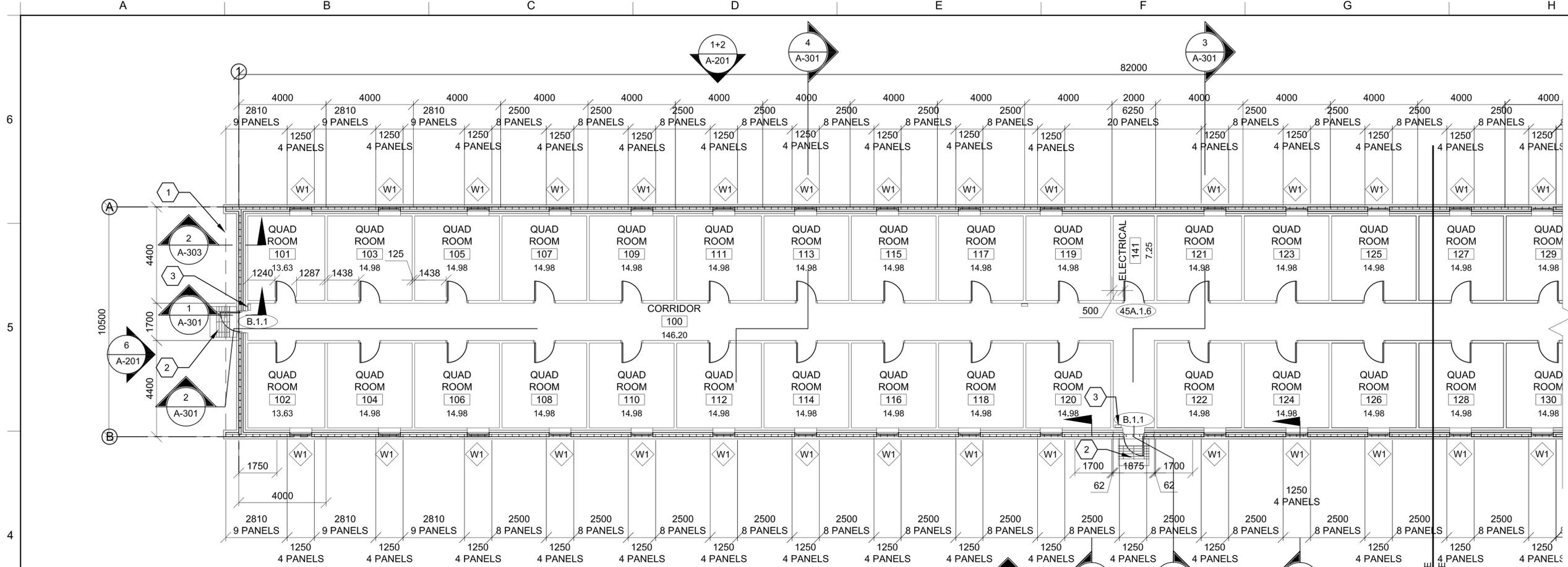
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PLOT SCALE:	NONE	REVIEWED BY:	JH
PLOT DATE:	3-22-2011	SUBMITTED BY:	BAKER

U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

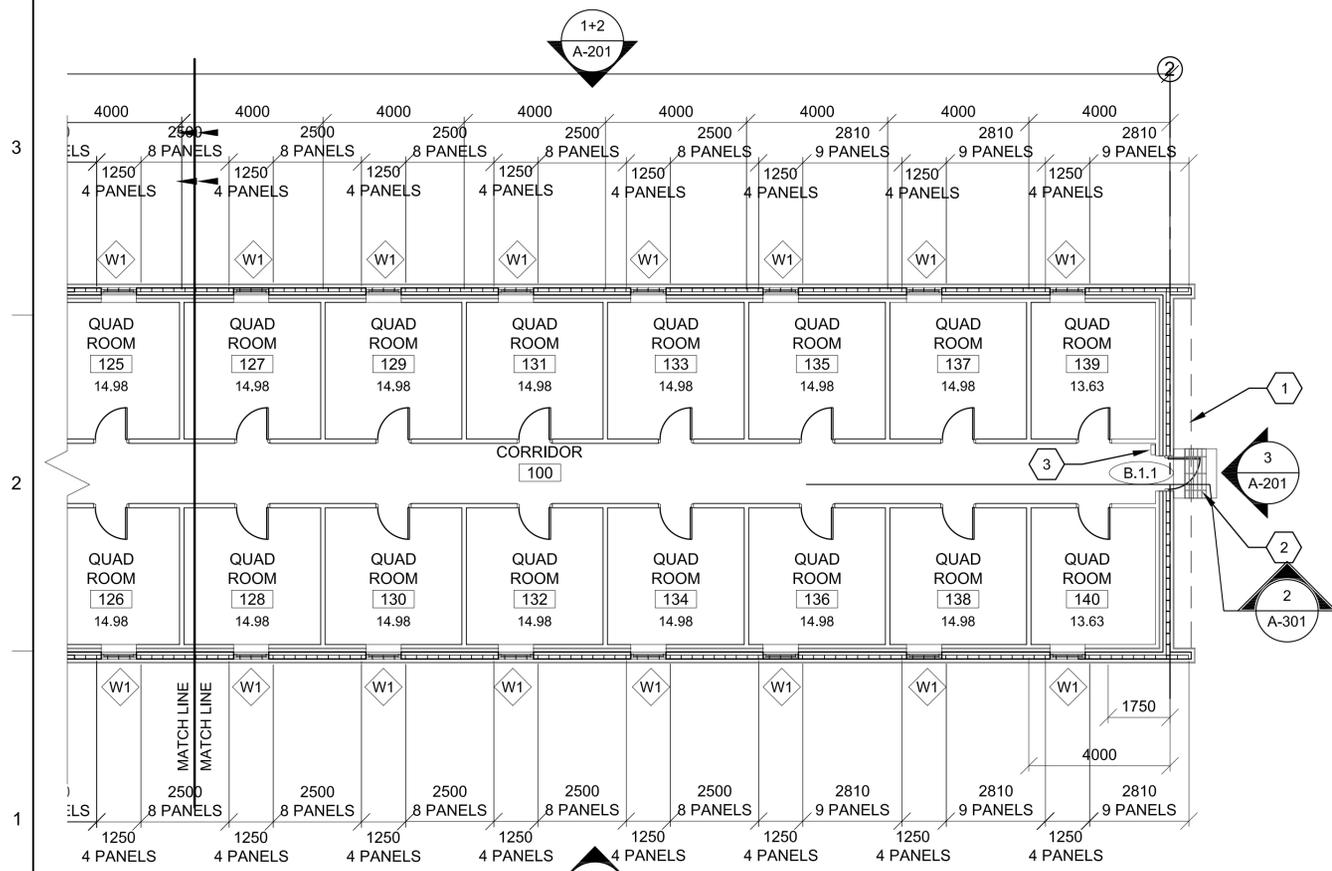
SITE ADAPT DESIGN  
B21 - NCO BARRACKS - LARGE - ARCH-SPAN  
ABBREVIATIONS, SYMBOLS AND GENERAL NOTES

SHEET REFERENCE NUMBER:  
**A-001**





**1 FLOOR PLAN - PART A**  
SCALE: 1:100



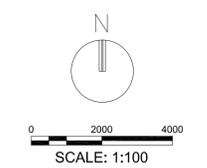
**2 FLOOR PLAN - PART B**  
SCALE: 1:100

**GENERAL NOTES:**

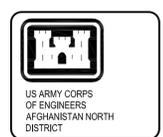
- A. DIMENSIONS ARE SHOWN TO OUTER EDGE OF EXTERIOR STRUCTURAL FACE OF ARCH SPAN PANEL (GRID LINES), CENTER LINE OF INTERIOR PARTITIONS, EDGE OF WINDOW OPENINGS, AND TO HINGE SIDE OF DOOR FRAME OPENING, UNLESS NOTED OTHERWISE.
- B. HINGE SIDE OF OPENINGS FOR DOORS AND FRAMES SHALL BE LOCATED 200 MM FROM THE ADJACENT WALL OR COLUMN, UNLESS NOTED OTHERWISE.
- C. INTERIOR PARTITIONS SHALL BE PARTITION TYPE 1, UNLESS NOTED OTHERWISE. REFER TO A-602 FOR PARTITION TYPES SCHEDULE
- D. COSMETIC REPAIR OF MINOR DEFECTS: REPAIR OR FILL MORTAR JOINTS AND MINOR DEFECTS, INCLUDING BUT NOT LIMITED TO SPALLS, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND PRIOR TO COATING APPLICATION. SURFACES TO BE PAINTED SHALL BE CLEAN AND FREE OF FOREIGN MATTER BEFORE APPLICATION OF PAINT. CLEANING SHALL BE SCHEDULED SO THAT DUST AND OTHER CONTAMINANTS WILL NOT FALL ON NEWLY PAINTED SURFACES.
- E. CONCRETE, PLASTER AND MASONRY SURFACES SHALL BE ALLOWED TO CURE FOR AT LEAST 30 DAYS BEFORE PAINTING. CONCRETE SLABS-ON-GRADE SHALL BE ALLOWED TO CURE 90 DAYS BEFORE STAINING OR SEALING.
- F. DO NOT USE PAINT MATERIALS CONTAINING LEAD CONTENT IN EXCESS OF 0.009 PERCENT OF THE WEIGHT OF THE TOTAL NONVOLATILE CONTENT OF THE PAINT OR THE WEIGHT OF THE DRIED PAINT FILM.
- G. DO NOT USE ANY ASBESTOS CONTAINING MATERIALS (ACM) IN PROJECT. ACM IS DEFINED AS 1% OR MORE BY VOLUME.
- H. DO NOT USE PAINT MATERIALS CONTAINING MERCURIAL FUNGICIDES.
- I. FACTORY PRIMED METAL DOORS AND FRAMES SHALL RECEIVE TWO COATS OF PAINT.
- J. FILL REMAINING SPACE AT PENETRATIONS IN FIRE-RATED FLOORS, PARTITIONS AND CEILINGS WITH APPROPRIATE FIRESTOPPING MATERIALS.
- K. ALL CEILING FINISHES SHALL AS NOTED ON REFLECTED CEILING PLANS OR FINISH SCHEDULE.
- L. ALL WALL FINISHES SHALL AS NOTED ON FINISH SCHEDULE. REFER TO A-603
- M. ALL FLOOR FINISHES SHALL BE SEALED CONCRETE, UNLESS NOTED OTHERWISE.
- N. PROVIDE TILE FINISHES AS INDICATED IN DETAILS & KEY NOTES.
- O. ALL DOOR, FRAME AND HARDWARE TYPES SHALL BE 20A.1.11 UNLESS NOTED OTHERWISE. REFER TO A-601 FOR DOOR INFORMATION.
- P. PLASTER MAY BE SUBSTITUTED FOR DRYWALL WALLS AND CEILINGS. MAINTAIN FIRE RATINGS AS NOTED
- Q. LOCATION OF EXTERIOR DOORS AND WINDOWS MUST BE COORDINATED WITH ARCH SPAN MODULE. PLAN DIMENSIONS OF THESE IS APPROXIMATE AND MAY BE SLIGHTLY ADJUSTED TO SUIT PANEL FABRICATION TOLERANCES.

**KEY NOTES:**

- 1. LINE OF ROOF OVERHANG ABOVE.
- 2. CONCRETE STOOP WITH GRATE - SEE DETAIL 1/A-503
- 3. FIRE EXTINGUISHER



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



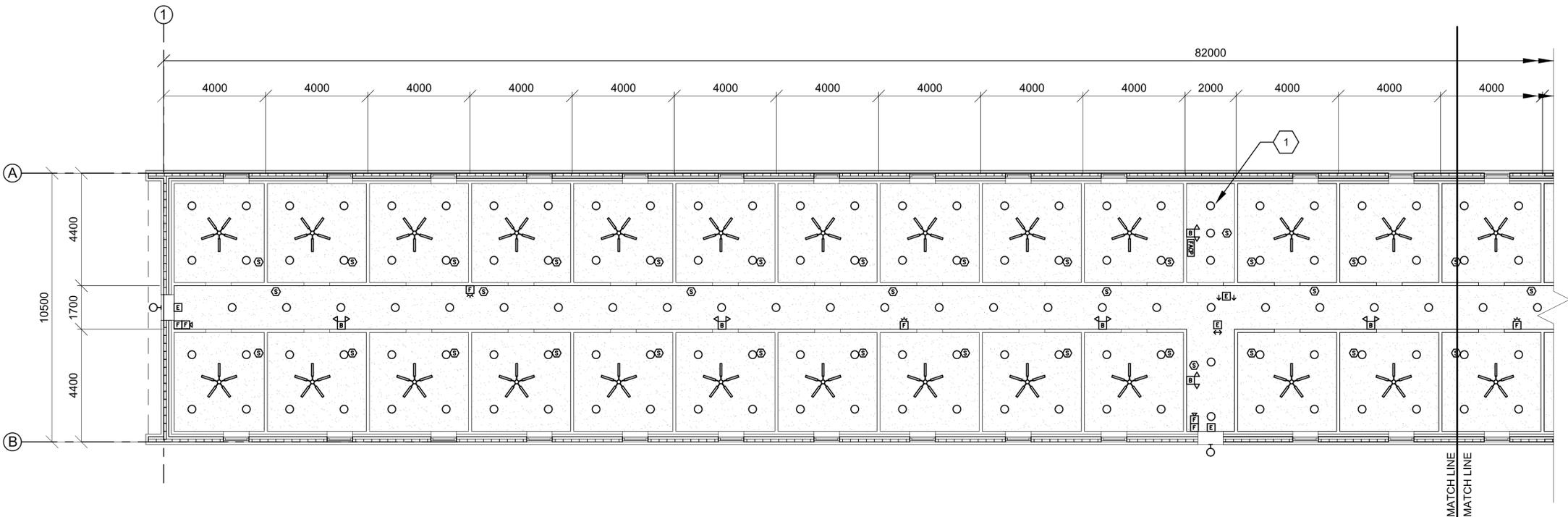
REV.	DATE	DESCRIPTION
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DESIGNED BY:	CKD BY:	REVIEWED BY:	SUBMITTED BY:
DWN BY:			

U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

SITE ADAPT DESIGN  
B21 - NCO BARRACKS - LARGE - ARCH SPAN  
FLOOR PLAN

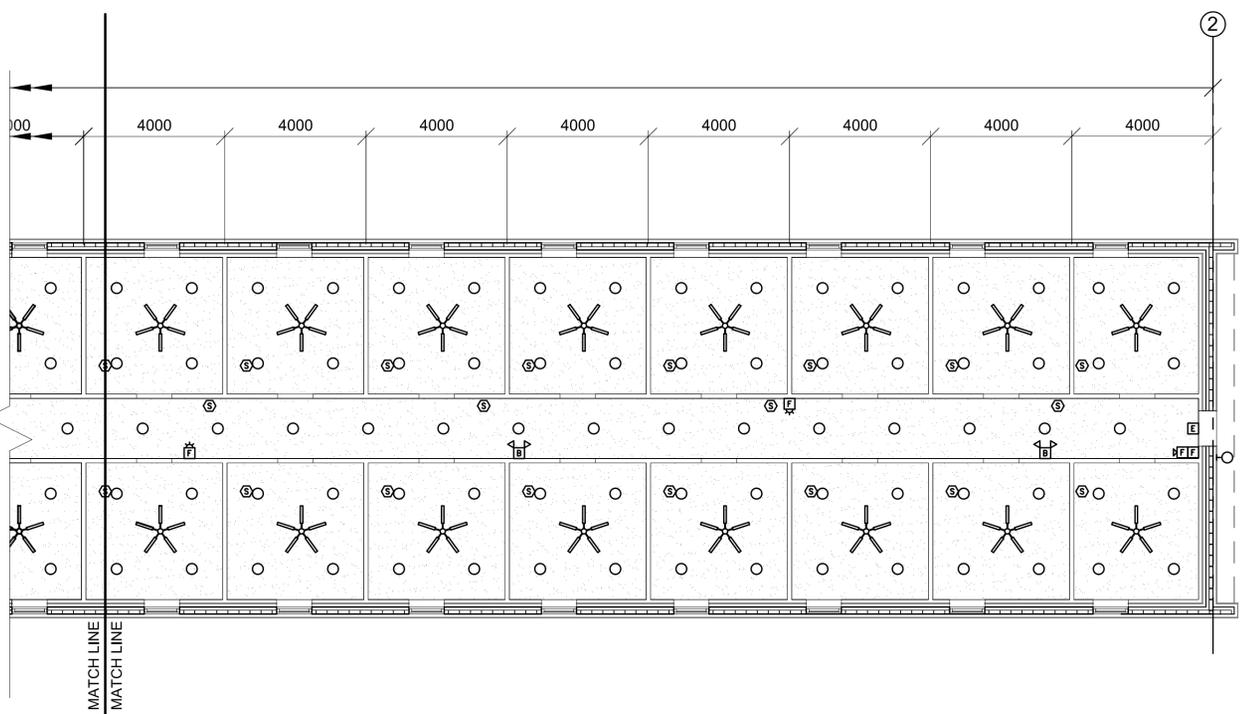
SHEET REFERENCE NUMBER:  
**A-101**



1 REFLECTED CEILING PLAN - PART A  
A-102 SCALE: 1:100

KEY NOTES:  
1. ACCESS PANEL - 1 HR RATED 600X600

GENERAL NOTES:  
A. CEILING SHALL BE 2.65M A.F.F. UNLESS NOTED OTHERWISE OR EXPOSED STRUCTURE.  
B. REFER TO SHEET A603 FOR FINISH SCHEDULE  
C. LOCATION OF LIGHT FIXTURES AND FANS AS INDICATED ON THIS REFLECTED CEILING PLAN TAKES PRECEDENCE OVER ALL RELATIVE POSITIONS AS SHOWN ON ELECTRIC AND MECHANICAL DRAWINGS. U.N.O. INSTALL FIXTURES WITH EQUAL SPACING BETWEEN EACH OTHER TO THE GREATEST EXTENT POSSIBLE AND AS GRAPHICALLY SHOWN IN THIS LAYOUT. SEE ELECTRICAL DRAWINGS FOR SUPPORT AND WIRING INFORMATION. IN AREA WHERE SUSPENDED CEILING SUPPORTS OVERLAP LIGHTING LOCATIONS SHIFT LIGHTING 25MM OFF OF GRID TO RESOLVE CONFLICT.



2 REFLECTED CEILING PLAN - PART B  
A-102 SCALE: 1:100

- CEILING LEGEND:**
- 600mm X 1200mm METAL PANEL SUSPENDED CEILING SYSTEM
  - NO FINISHED CEILING, EXPOSED STRUCTURE (SEE FINISH SCHEDULE)
  - GYPSUM WALLBOARD CEILING (SEE FINISH SCHEDULE)
  - 300mm X 1200mm FLUORESCENT LIGHT FIXTURE
  - 600mm X 1200mm FLUORESCENT LIGHT FIXTURE
  - 300mm X 1200mm FLUORESCENT LIGHT FIXTURE NORMAL/EMERGENCY
  - 600mm X 1200mm FLUORESCENT LIGHT FIXTURE NORMAL/EMERGENCY
  - SUSPENDED LIGHT FIXTURE
  - WALL MOUNTED LIGHT FIXTURE
  - DOWNLIGHT
  - EXIT SIGN
  - SMOKE DETECTOR
  - BATTERY PACK
  - RELIEF RETURN DIFFUSER
  - SUPPLY DIFFUSER
  - EXHAUST DIFFUSER
  - ACCESS PANEL
  - CEILING FAN

SCALE: 1:100  
UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



REV.	DATE	DESCRIPTION
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DATE:	4-25-2011
CONTRACT NO.:	W912ER-09-D-0002
DRAWING CODE:	
FILE NAME:	AFGHANISTAN BARRACKS
PLOT SCALE:	1:100
PLOT DATE:	4-25-2011

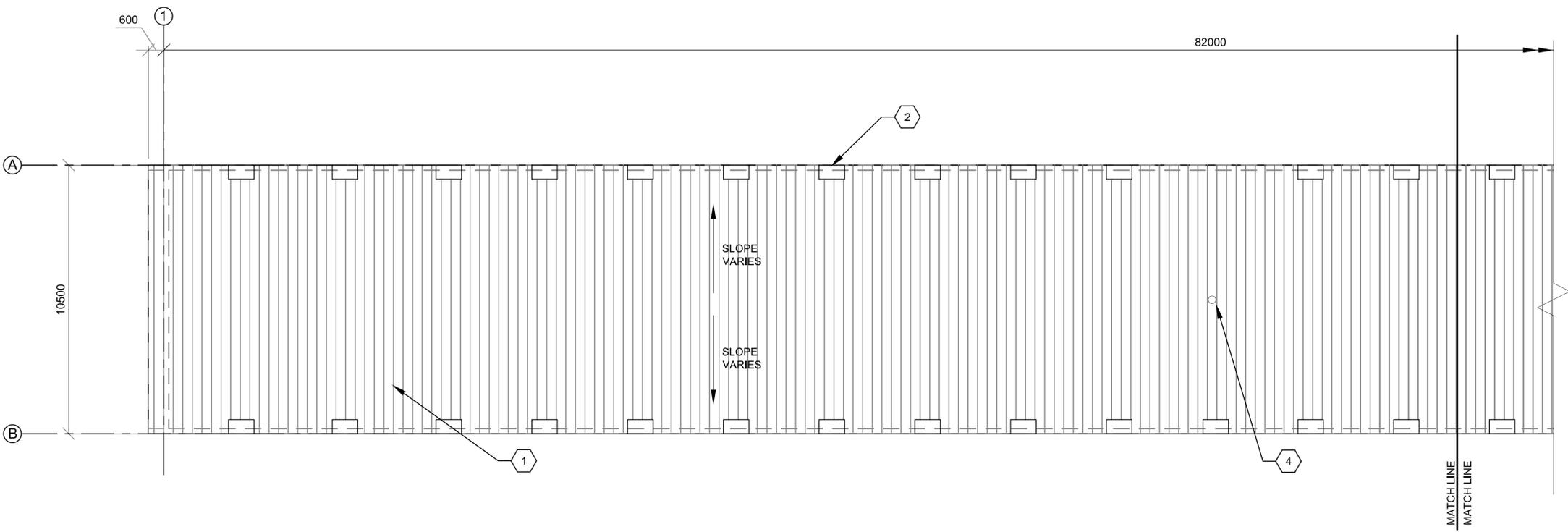
DESIGNED BY:  
DWN BY:  
CKD BY:  
REVIEWED BY:  
SUBMITTED BY:  
**BAKER**

SITE ADAPT DESIGN  
B21 - NCO BARRACKS - LARGE - ARCH SPAN  
REFLECTED CEILING PLAN

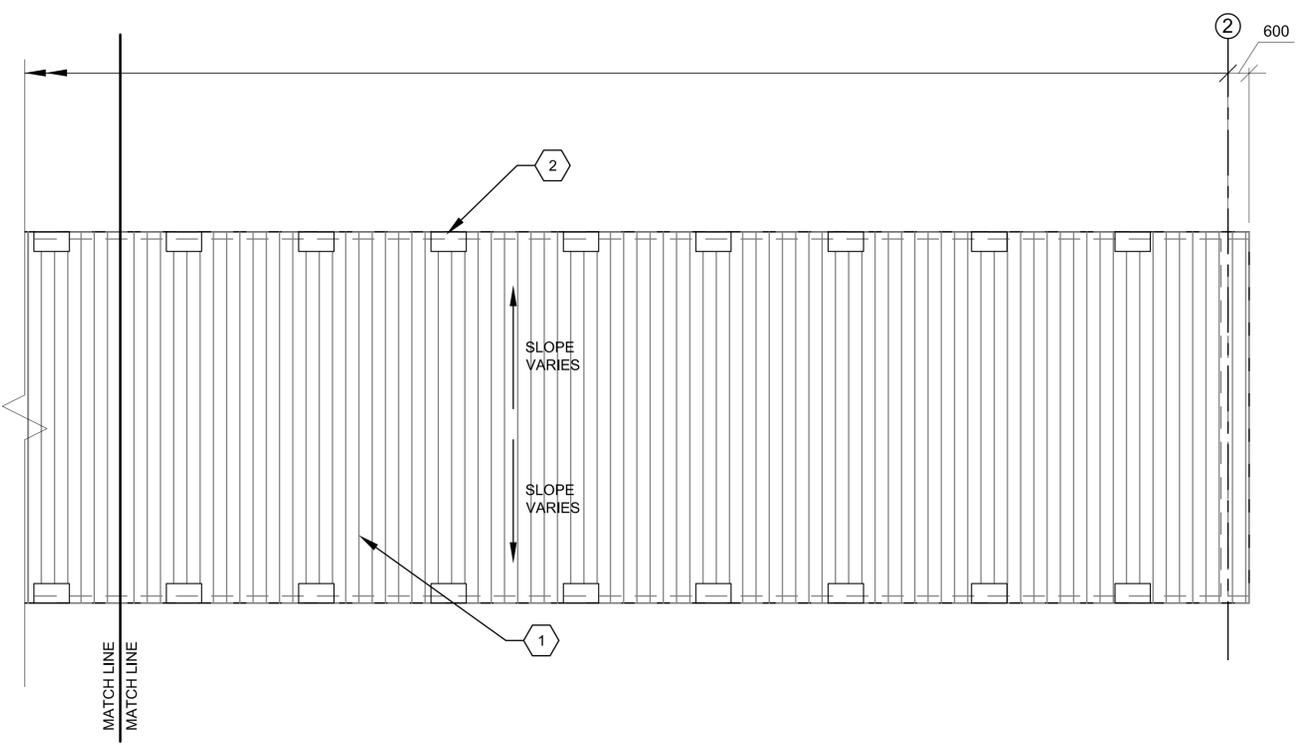
SHEET REFERENCE NUMBER:  
**A-102**

A B C D E F G H

6  
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1 ROOF PLAN - PART A  
A-102 SCALE: 1:100



2 ROOF PLAN - PART B  
A-102 SCALE: 1:100

**GENERAL NOTES:**

- A. THE APPROXIMATE LOCATION OF ROOF DEVICES AND PENETRATIONS ARE SHOWN ON THE ROOF PLAN FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERSTANDING THE ACTUAL LOCATION OF THESE AND ALL OTHER ITEMS PRIOR TO BEGINNING CONSTRUCTION. COORDINATE ALL ROOF PENETRATIONS WITH STRUCTURAL, MECHANICAL AND PLUMBING WORK.
- B. PLUMBING VENT PENETRATIONS SHALL TERMINATE 300 MM MINIMUM ABOVE THE ROOF.
- C. UNLESS OTHERWISE NOTED, NOTES, DETAILS OR FEATURES INDICATED FOR ONE CONDITION SHALL BE APPLICABLE FOR ALL ALIKE AND SIMILAR CONDITIONS.
- D. STOCKPILING OF MATERIALS, EQUIPMENT AND ANY OTHER ITEMS ON THE ROOF IS PROHIBITED.
- E. ROOFS SHALL BE PRE-FINISHED METAL ARCH SPAN.

**KEY NOTES:**

- 1. PRE-FINISHED METAL ARCH SPAN CONSTRUCTION
- 2. DOOR OR WINDOW DORMER
- 3. VTR SEE PLUMBING
- 4. EXHAUST FAN ROOF CAP REFER TO M-501



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



US ARMY CORPS OF ENGINEERS  
AFGHANISTAN NORTH DISTRICT

REV.	DATE	DESCRIPTION
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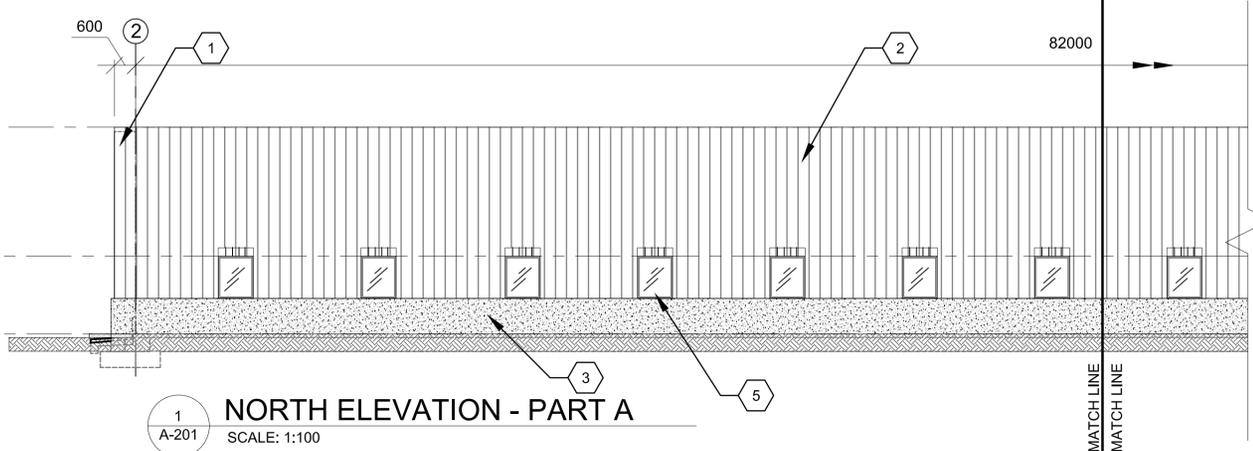
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DATE: 3/22/2011  
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PLOT SCALE: 1:100  
PLOT DATE: 3/22/2011

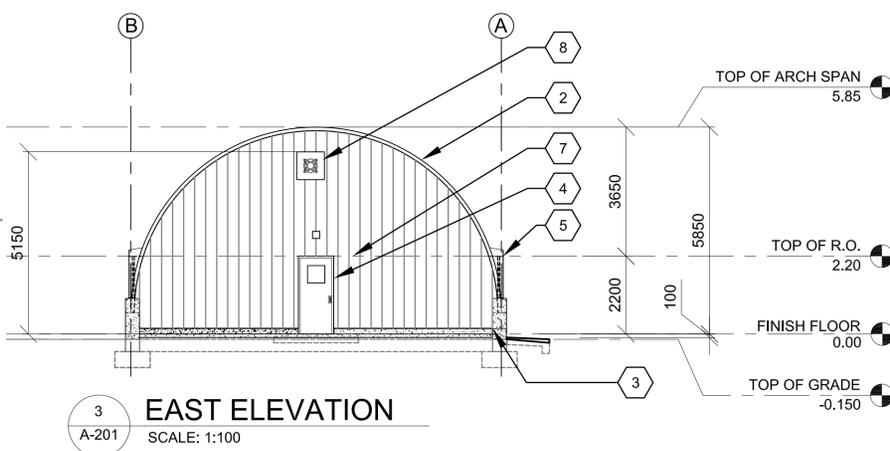
U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

SITE ADAPT DESIGN  
B21 - NCO BARRACKS - LARGE - ARCH SPAN  
ROOF PLAN

SHEET REFERENCE NUMBER:  
**A-103**

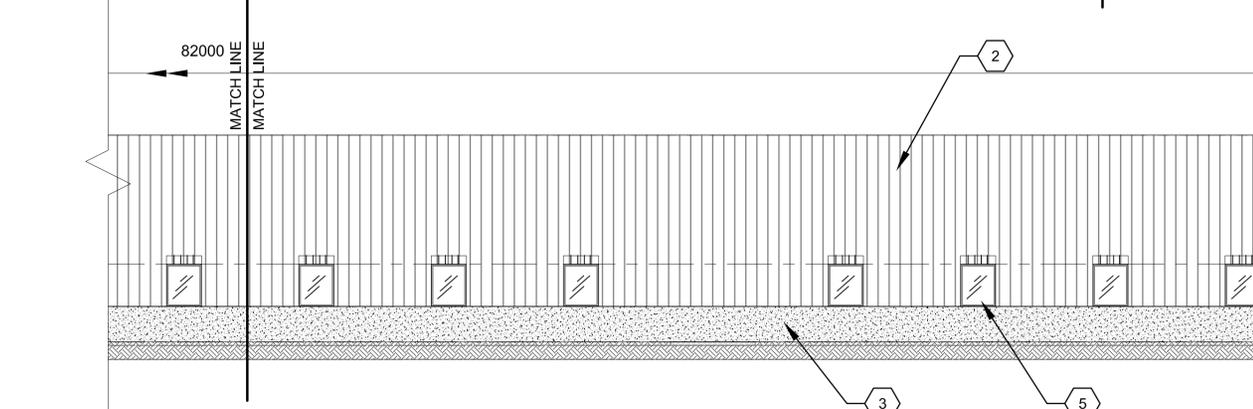


1 NORTH ELEVATION - PART A  
A-201 SCALE: 1:100

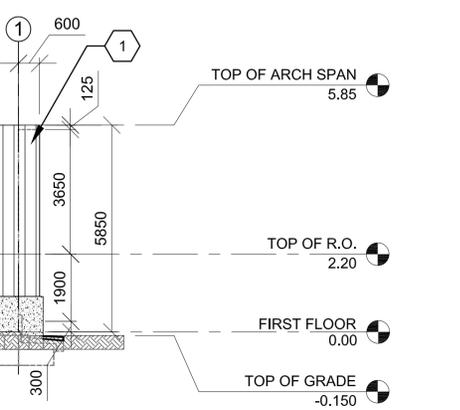


3 EAST ELEVATION  
A-201 SCALE: 1:100

- GENERAL NOTES:**
- A. FACTORY PRIMED METAL DOORS AND FRAMES SHALL RECEIVE TWO COATS OF PAINT.
  - B. LOCATION OF EXTERIOR DOORS AND WINDOWS MUST BE COORDINATED WITH ARCH SPAN MODULE. PLAN DIMENSIONS OF THESE IS APPROXIMATE AND MAY BE SLIGHTLY ADJUSTED TO SUIT PANEL FABRICATION TOLERANCES.
  - C. EXTERIOR CONCRETE BUILDING SURFACES TO RECEIVE PENETRATING CONCRETE SEALER COORDINATE ALL HVAC OPENING SIZES AND LOCATIONS WITH HVAC CONTRACTOR PRIOR TO INSTALLATION.

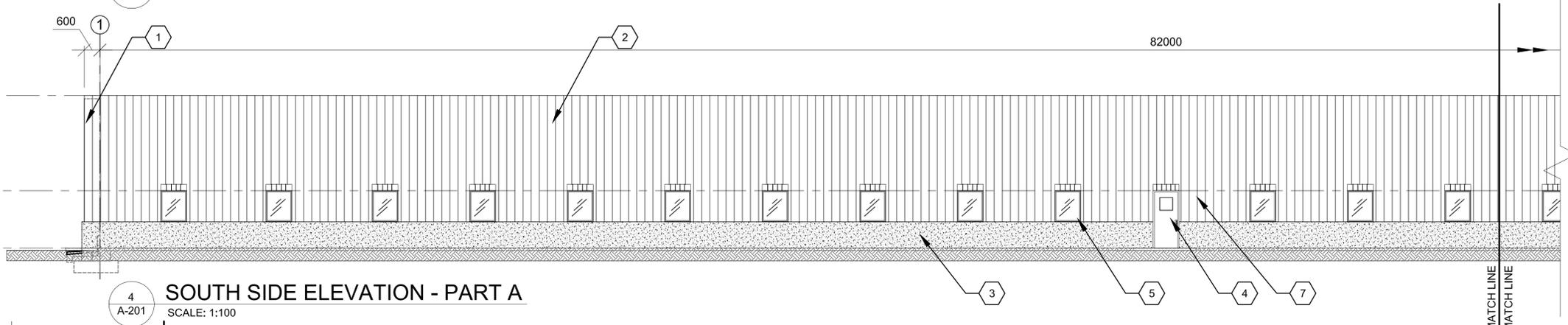


2 NORTH ELEVATION - PART B  
A-201 SCALE: 1:100

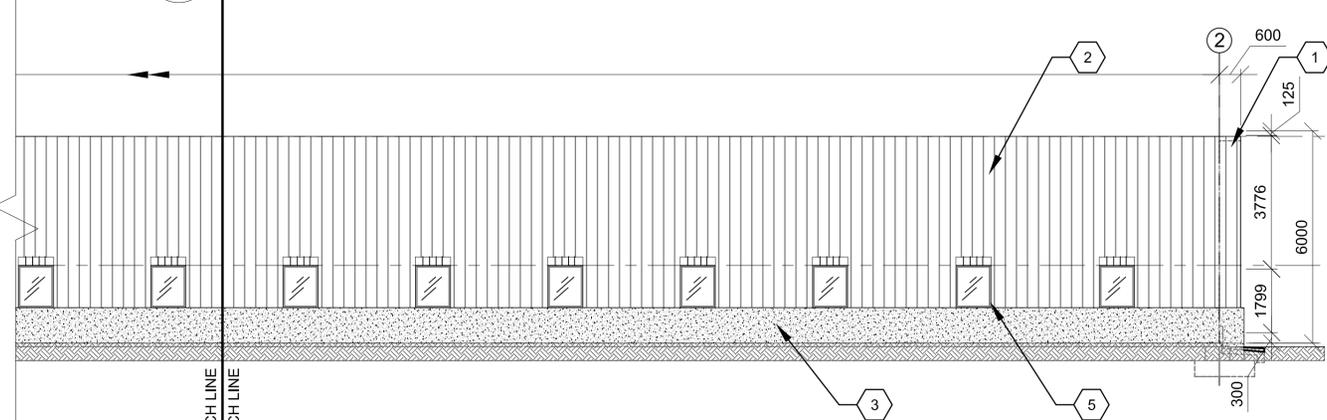


6 WEST ELEVATION  
A-201 SCALE: 1:100

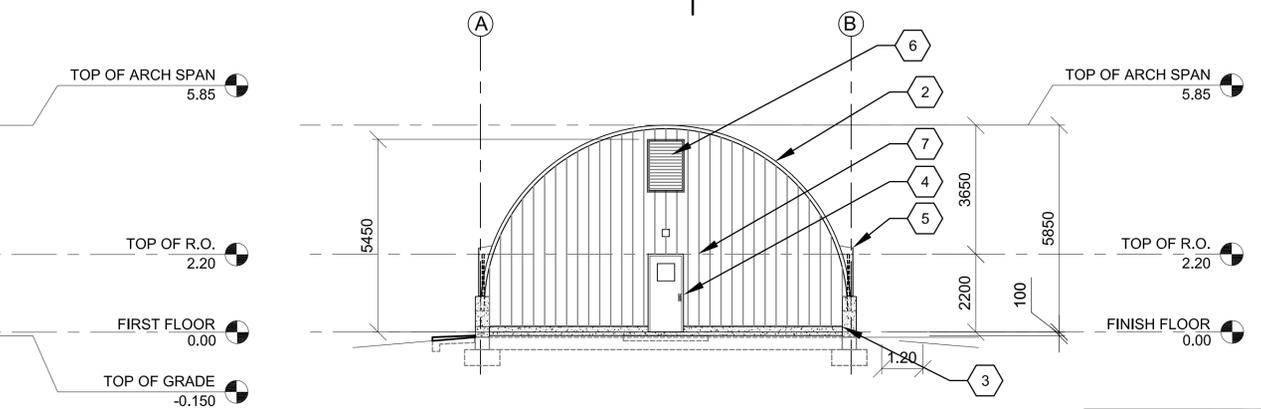
- KEY NOTES:**
1. EXTENSION OF ARCH SPAN
  2. PRE-FINISHED METAL ARCH SPAN CONSTRUCTION WALL AND CEILING.
  3. CONCRETE WALL.
  4. PAINTED HOLLOW METAL DOOR & FRAME.
  5. STEEL WINDOW PAINTED.
  6. PRE-FINISHED STEEL LOUVER - SEE DETAIL 3/A501
  7. LIGHTING - SEE ELECTRICAL
  8. ATTIC VENTILATION LOUVER OR FAN SEE MECHANICAL FOR SIZE AND TYPE



4 SOUTH SIDE ELEVATION - PART A  
A-201 SCALE: 1:100



5 SOUTH SIDE ELEVATION - PART B  
A-201 SCALE: 1:100



0 2000 4000  
SCALE: 1:100

UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



SYMBOL	DESCRIPTION	DATE	APPR.	DATE	APPR.

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PLOT SCALE: 1:100	SUBMITTED BY: [Signature]
PLOT DATE: 3-23-2011	

U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

SITE ADAPT DESIGN  
B21 - NCO BARRACKS - LARGE - ARCH SPAN  
ELEVATIONS

SHEET REFERENCE NUMBER:  
**A-201**