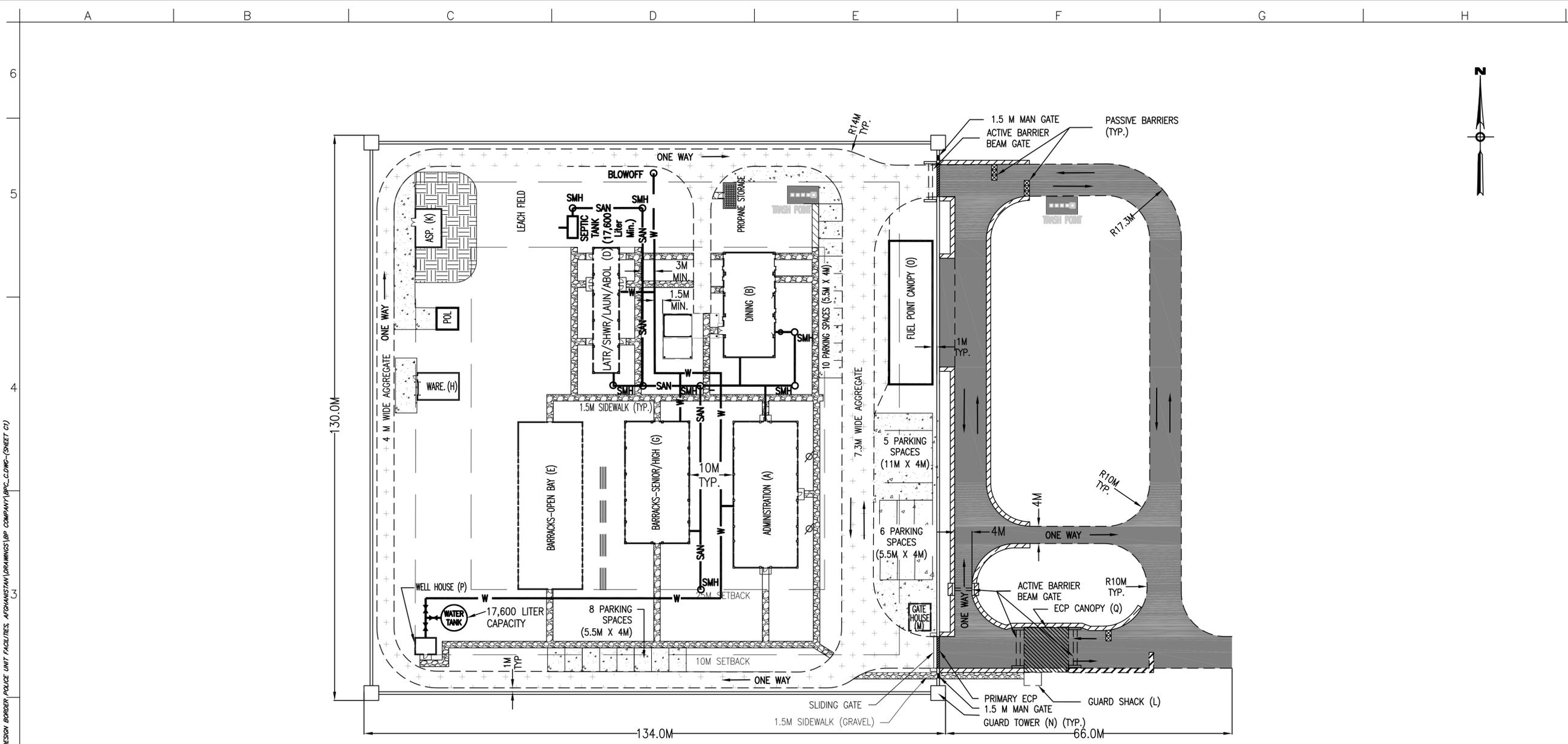




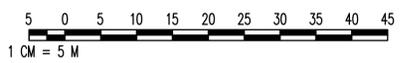


February 20, 2008 2:58:07 PM, LOAN NAME: Baker  
 Drawing: K:\PROJECTS\USACE-TAC\191257-05-D-0002 AE & CM CONTRACT\TASK ORDER 0032 - DESIGN BORDER POLICE UNIT FACILITIES, AFGHANISTAN\DRAWINGS\BP\_COMPANY\BP\_C.DWG-(SHEET C1)



**LEGEND**

- |  |                          |  |                           |  |                  |
|--|--------------------------|--|---------------------------|--|------------------|
|  | AGGREGATE SIDEWALKS      |  | WATER DISTRIBUTION MAIN   |  | CULVERT PIPE     |
|  | AGGREGATE PARKING AREA   |  | SANITARY COLLECTION SEWER |  | SANITARY MANHOLE |
|  | AGGREGATE ECP ROADS      |  | COLLECTION DITCH          |  | CLOTHES LINES    |
|  | AGGREGATE COMPOUND ROADS |  | SURFACE DRAINAGE GRADE    |  | BARRIER WALL     |
|  | LEACH FIELD              |  | GATE VALVE                |  |                  |



- NOTES:**
- BUILDINGS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN UNLESS OTHERWISE DIRECTED.
  - THE SPACE BETWEEN BUILDINGS SHALL BE AT LEAST 10M UNLESS OTHERWISE NOTED.
  - PARKING AREAS SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE THE NUMBER AND TYPES OF VEHICLE SPACES SHOWN. THE SIZE OF EACH SPACE PROVIDED SHALL BE AS FOLLOWS:
 

<b>VEHICLE TYPE(S):</b>	<b>SPACE SIZE (WIDTH x DEPTH)</b>
ATV, POV	2.4M x 4.9M
LTV, VISITOR	4M x 5.5M
LARGE TON, C4, WRECKER	4M x 11M
TRAILERS	4M x 18M
  - SIDEWALKS SHALL HAVE A WIDTH OF 1.5M. ROADS SHALL HAVE A WIDTH OF 7.3M UNLESS OTHERWISE NOTED.
- THE TRAVEL LANE ABUTTING PARKING SPACES SHALL HAVE SUFFICIENT WIDTH TO ACCOMMODATE THE VEHICLE TURNING RADIUS.



SYMBOL	DESCRIPTION	DATE	APP.

DESIGNED BY: BAKER	DATE: 04-01-08
DWN BY: ---	SUBMITTED BY: BAKER
CHK BY: GPH	FILE NO.:

Outside Business Park  
 11000 Woodbridge Rd., 15108  
 Moon Township, Pa. (412) 269-6300  

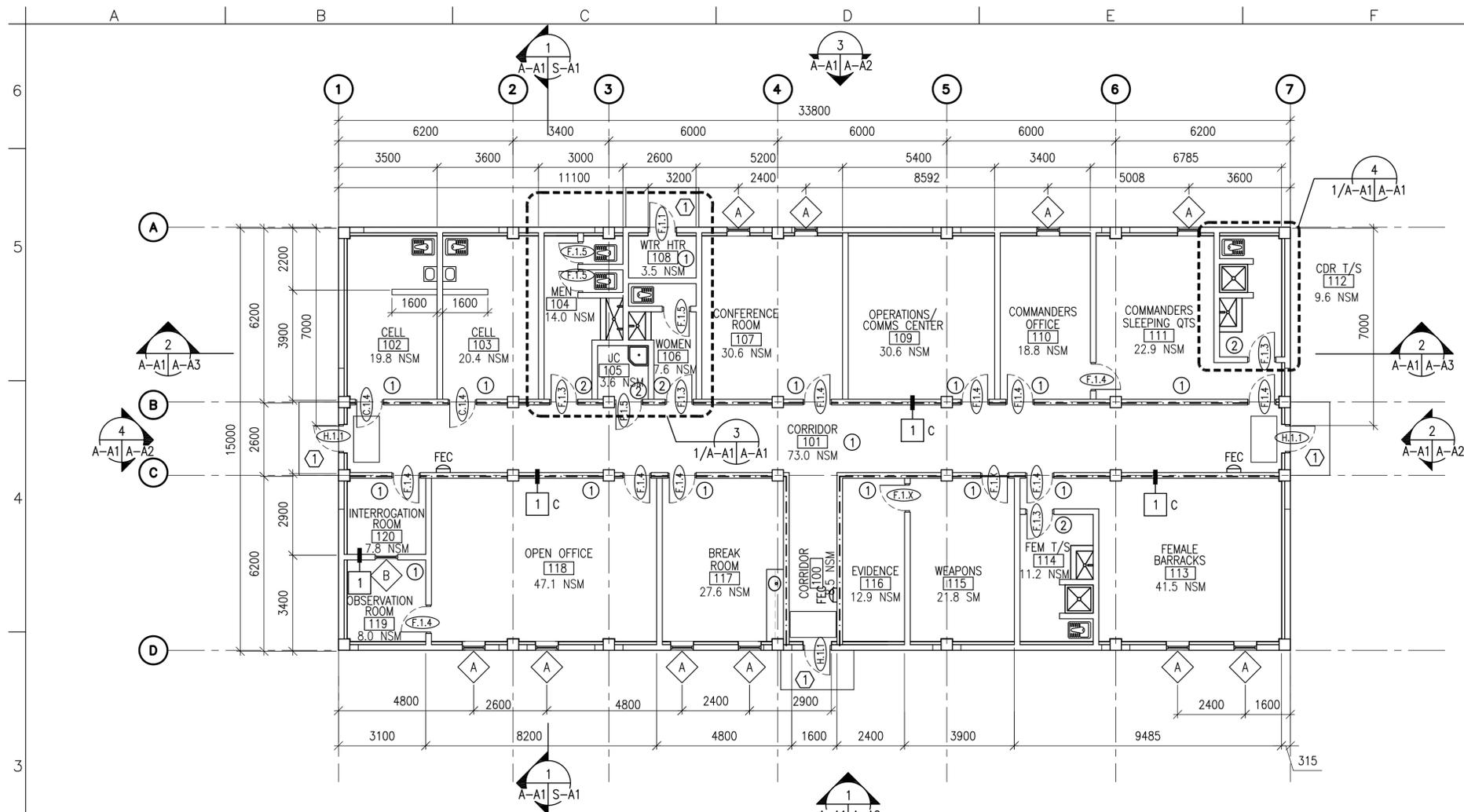
 US Army Corps of Engineers  
 Transatlantic Programs Center

AFGHAN NATIONAL BORDER POLICE  
 AFGHANISTAN NATIONAL  
 BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 CONCEPT PLAN  
 BP COMPANY

SHEET  
 REFERENCE  
 NUMBER:  
**C1**

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**ADMINISTRATION BUILDING FLOOR PLAN**  
 SCALE: 1:100

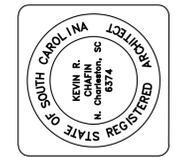
GROSS FLOOR AREA - 507.0 SQUARE METERS

**KEY NOTES:**

1. CONCRETE STOOP - RE: DETAIL 1/S-A13

**LEGEND:**

- (XXX) DOOR TYPE, SEE SHEET S-A8
- 1 PARTITION TYPE, SEE SHEET S-A3
- A WINDOW TYPE, SEE SHEET S-A8
- (X) KEY NOTE
- FEC FIRE EXTINGUISHER CABINET
- 1 HR. RATED FIRE WALL
- (X) ROOM FINISH TYPES SEE SHEET S-A8
- RUBBER ENTRANCE MAT (900x1800)

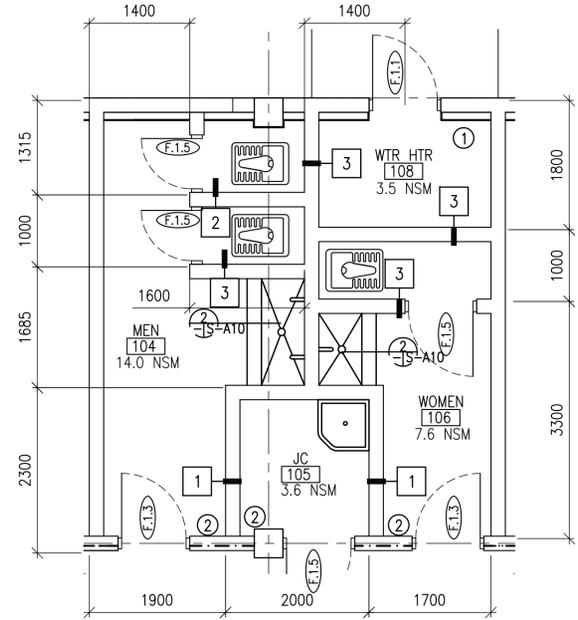


NO.	DATE	DESCRIPTION	SYMBOL

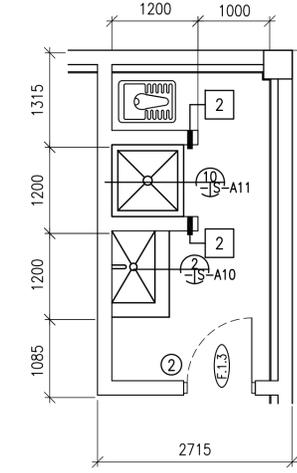
DESIGNED BY: BAKER  
 DATE: 04-01-08  
 DWN BY: KJG  
 SUBMITTED BY: BAKER  
 CHK BY: KRC  
 FILE NO.:  
 US Army Corps of Engineers  
 Transatlantic Programs Center

**FLOOR PLAN NOTES:**

1. ALL INTERIOR PARTITIONS SHALL BE TYPE 1 UNLESS NOTED OTHERWISE.
2. OPENINGS FOR DOORS SHALL BE LOCATED 200 MM FROM THE ADJACENT WALL UNLESS NOTED OTHERWISE.
3. 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 WET, NEWLY PAINTED SURFACES.
4. CONCRETE AND INTERIOR MASONRY SURFACES GROUTED SOLID SHALL BE ALLOWED TO DRY AT LEAST 30 DAYS BEFORE PAINTING EXCEPT CONCRETE SLAB ON GRADE WHICH SHALL BE ALLOWED TO CURE 90 DAYS BEFORE PAINTING.
5. PAINTS CONTAINING LEAD IN EXCESS OF 0.06 PERCENT BY WEIGHT OF THE TOTAL NONVOLATILE CONTENT SHALL NOT BE USED.
6. MERCURIAL FUNGICIDES SHALL NOT BE USED IN OIL-BASE PAINT.
7. REMOVE LOOSE DIRT AND CLEAN SURFACES BEFORE PAINTING. APPLY PAINT TO INTERIOR STRUCTURAL RIGID FRAMINGS AND CEILINGS AND TEST FOR ADHESION. PRIMER COAT FOR MASONRY. INITIAL FIRST COAT WITH AN ACRYLIC LATEX PAINT FOR EXTERIOR SURFACES AND A SECOND COAT WITH A WATER REPELLENT ACRYLIC LATEX PAINT.
8. INTERIOR METAL DOORS AND FRAMES SHALL RECEIVE A PRIMER COAT PLUS TWO COATS OF PAINT.
9. DIMENSIONS ARE TO CENTERLINE OF WINDOW OPENINGS, AND TO HINGE SIDE OF DOOR OPENINGS.
10. SEE ELECTRICAL FOR STOVE SLEEVE LOCATIONS.

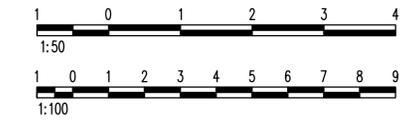


**ENLARGED TOILET PLAN**  
 SCALE: 1:50



**ENLARGED TOILET/SHOWER PLAN (TYPICAL)**  
 SCALE: 1:50

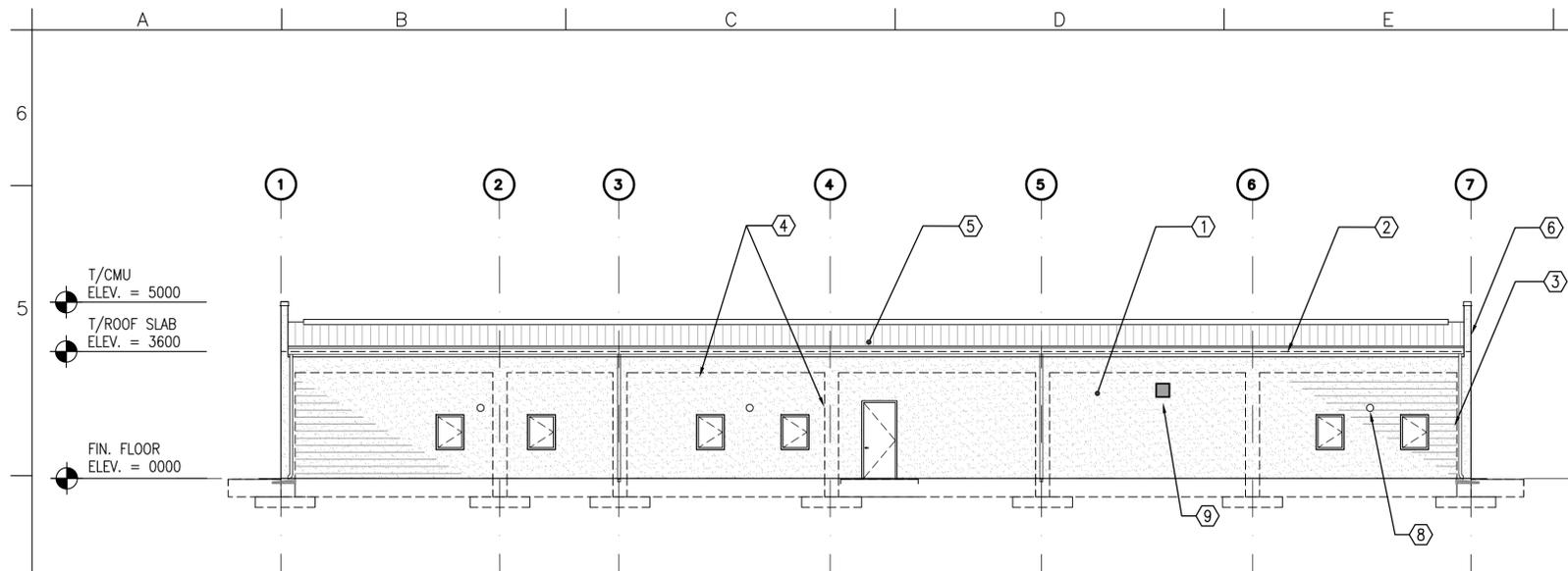
UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS (MM)



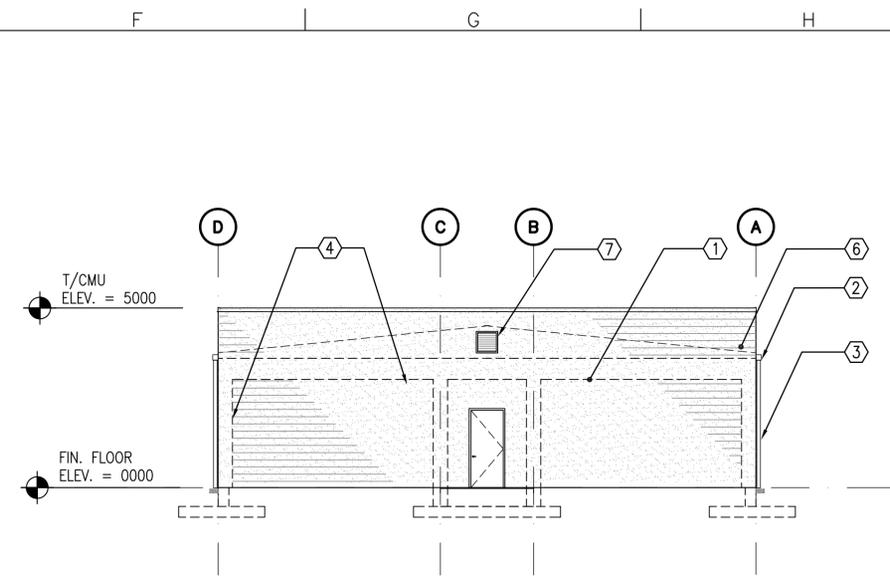
AFGHAN NATIONAL BORDER POLICE  
 AFGHANISTAN NATIONAL BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 ADMINISTRATION BUILDING PLANS

SHEET REFERENCE NUMBER:  
**A-A1**

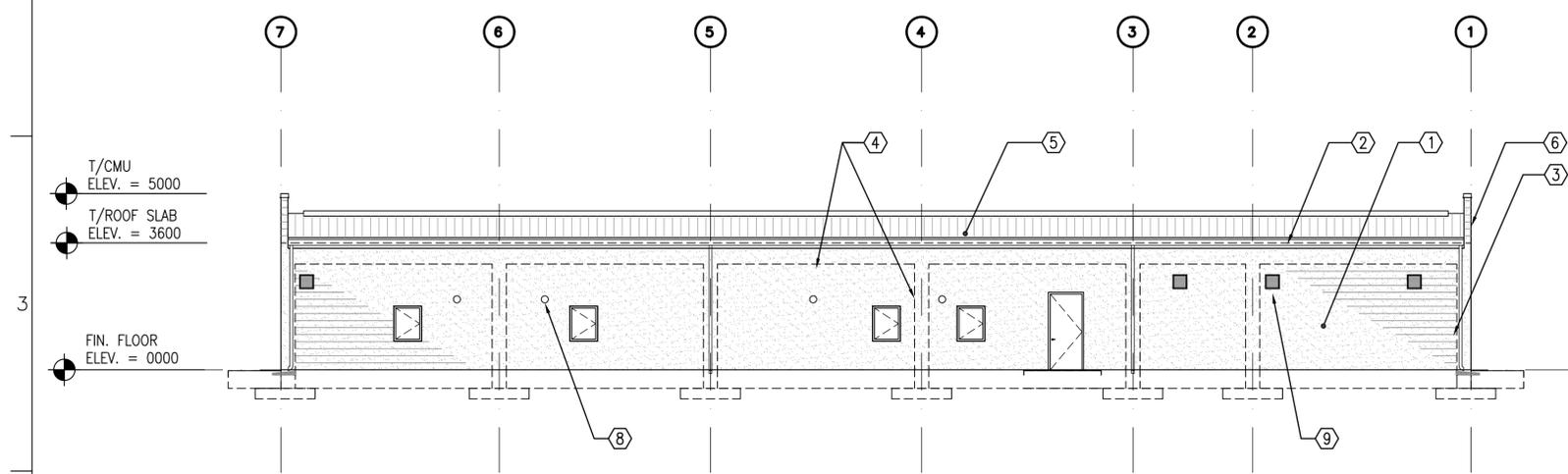
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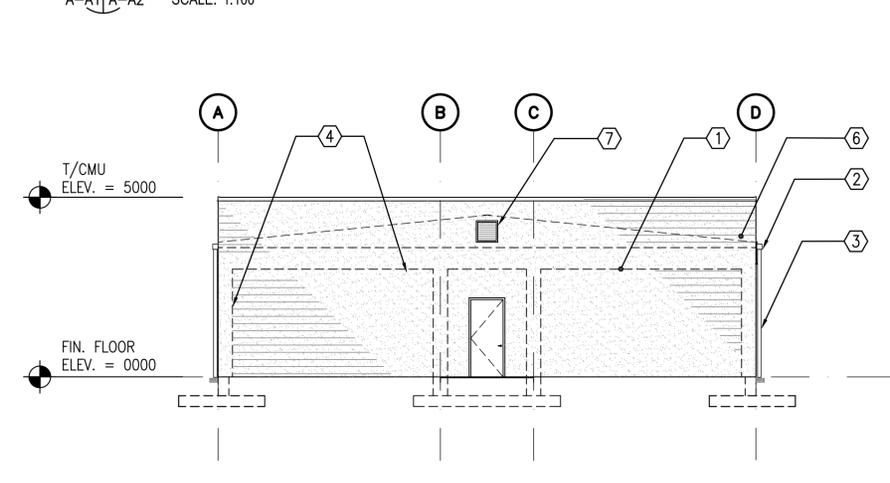
1 ADMINISTRATION BUILDING ELEVATION  
A-A1 | A-A2 SCALE: 1:100



2 ADMINISTRATION BUILDING ELEVATION  
A-A1 | A-A2 SCALE: 1:100



3 ADMINISTRATION BUILDING ELEVATION  
A-A1 | A-A2 SCALE: 1:100

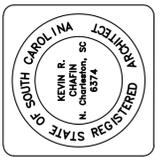


4 ADMINISTRATION BUILDING ELEVATION  
A-A1 | A-A2 SCALE: 1:100

- KEY NOTES:**
1. STUCCO ON CMU
  2. METAL GUTTER
  3. METAL DOWNSPOUT WITH SPLASH BLOCK
  4. STUCCO CONTROL JOINT ALIGNED WITH CMU CONTROL JOINT
  5. CORRUGATED METAL ROOF W/ RIDGE VENT
  6. EXTERIOR CONCRETE WALL W/ STUCCO FINISH AND PARAPET CAP
  7. 600x600 LOUVER
  8. WOOD STOVE SLEEVE - SEE ELECTRICAL
  9. WALL MOUNTED EXHAUST VENTS - SEE ELECTRICAL

- GENERAL NOTES:**
1. PROVIDE STRUCTURAL LINTELS AS REQUIRED - RE: STRUCT

UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS (MM)

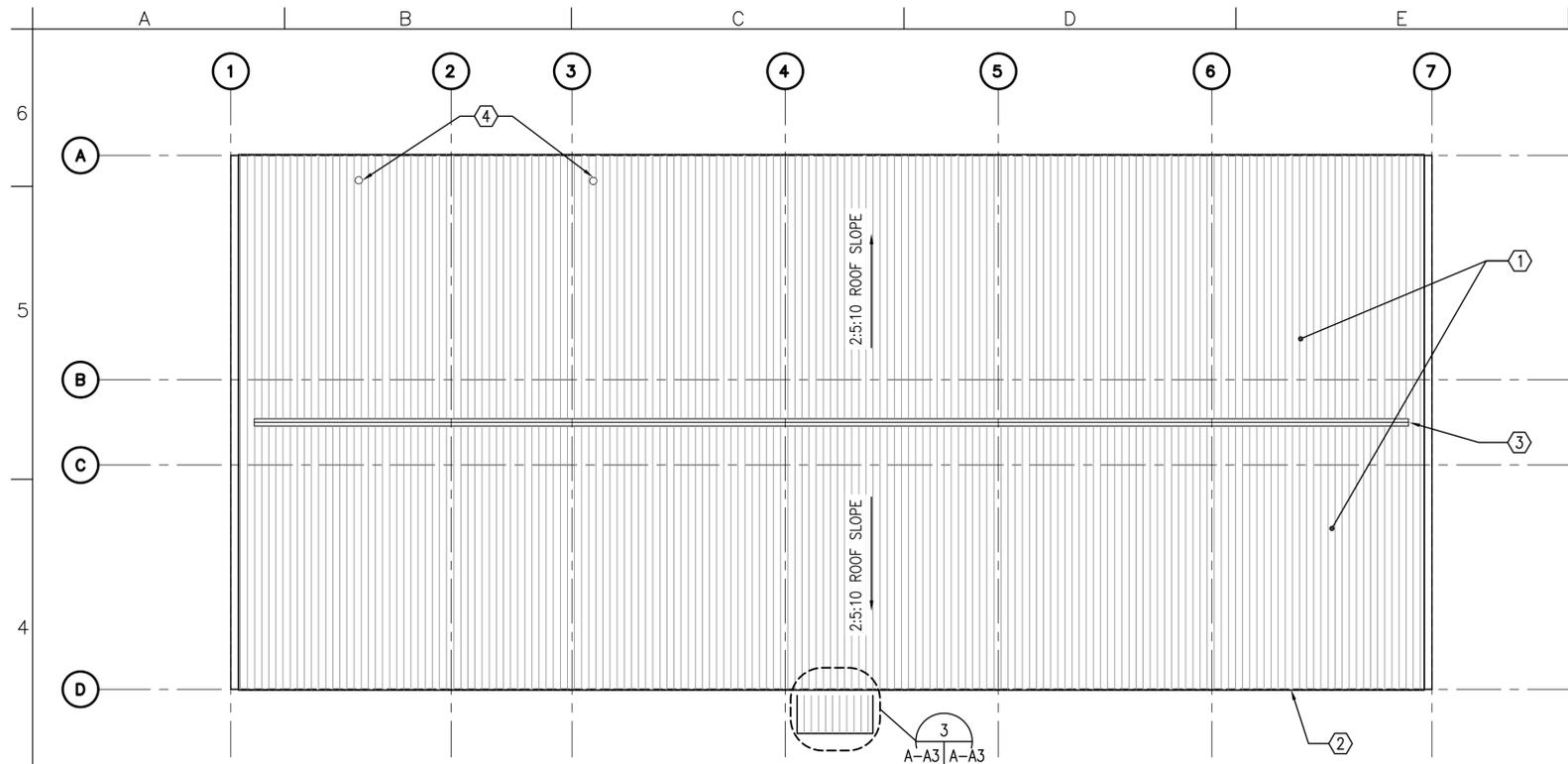


SYMBOL	DESCRIPTION	DATE	APP.

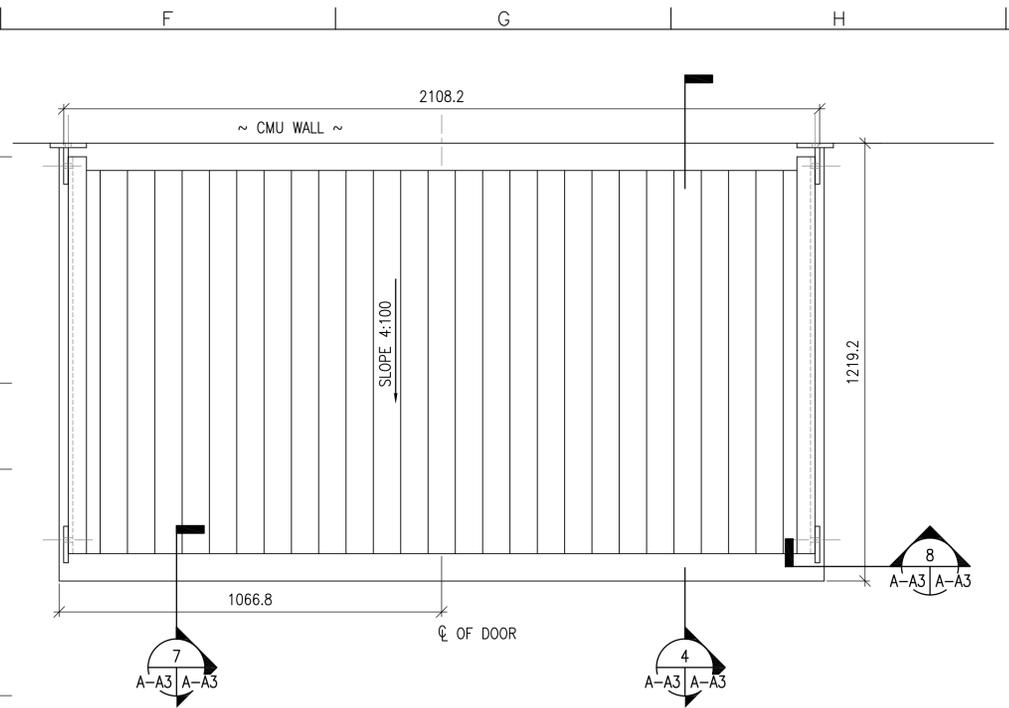
DESIGNED BY: DATE: 04-01-08  
 BAKER  
 DWN BY: K/JG  
 SUBMITTED BY: BAKER  
 CHK BY: KRC  
 FILE NO.:  
 KRC  
 U.S. Army Corps of Engineers  
 Transatlantic Programs Center  
 Baker  
 MICHAEL BAKER, INC.  
 15108  
 Alside Business Park  
 Alside Drive  
 Mooreville, NC 27558  
 (412) 269-6300

AFGHAN NATIONAL BORDER POLICE  
 AFGHANISTAN NATIONAL  
 BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 ADMINISTRATION BUILDING  
 ELEVATIONS

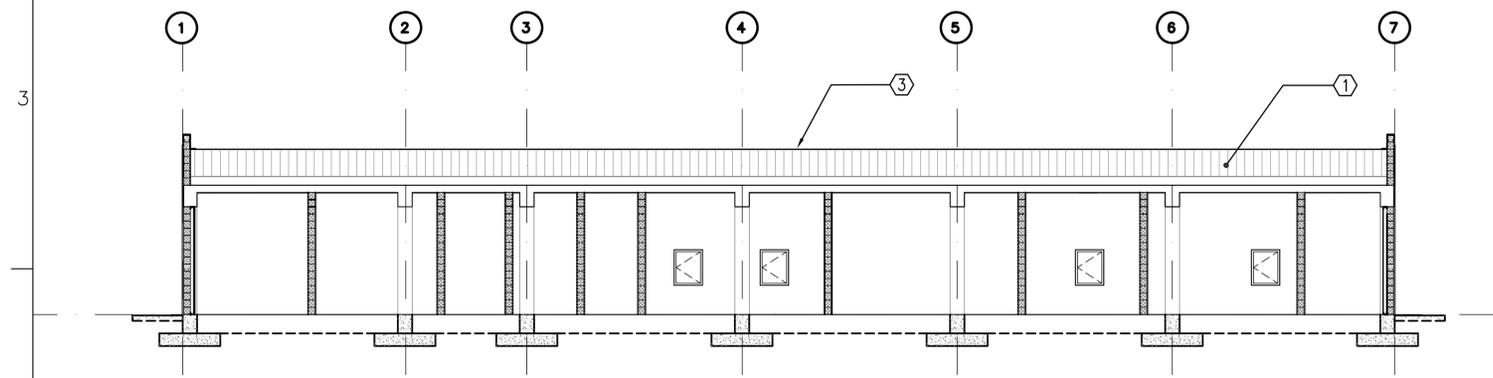
SHEET  
 REFERENCE  
 NUMBER:  
**A-A2**



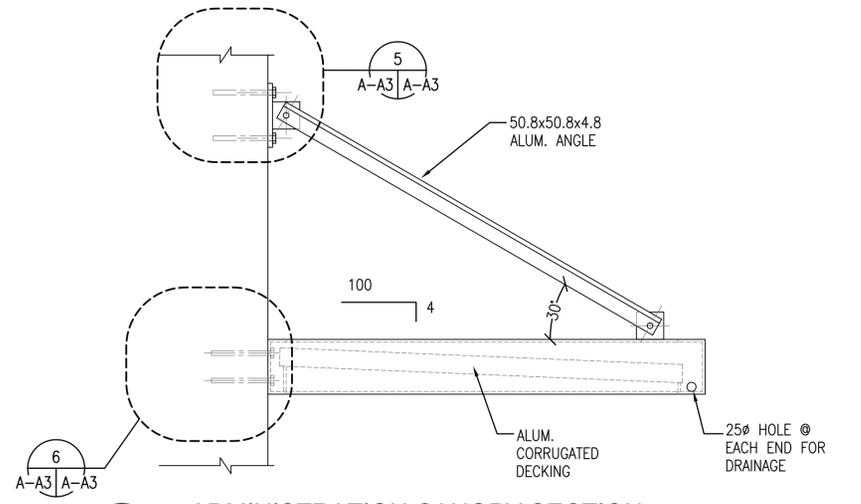
**1 ADMINISTRATION BUILDING ROOF PLAN**  
 A-A3 | A-A3 SCALE: 1:100



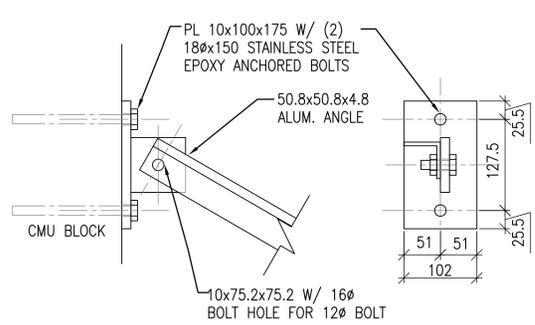
**ADMINISTRATION CANOPY DETAIL**  
 A-A3 | A-A3 SCALE: 1:10



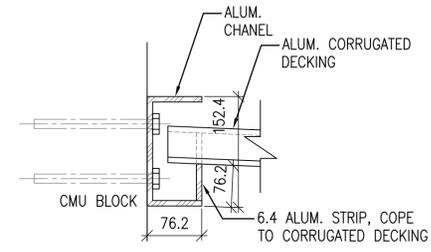
**2 ADMINISTRATION BUILDING SECTION**  
 A-A1 | A-A3 SCALE: 1:100



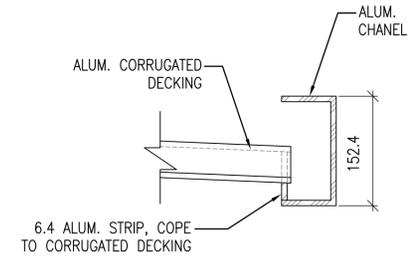
**4 ADMINISTRATION CANOPY SECTION**  
 A-A3 | A-A3 SCALE: 1:10



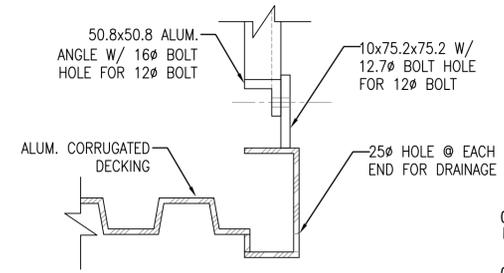
**5 CANOPY TOP CONNECTION DETAIL**  
 A-A3 | A-A3 SCALE: 1:5



**6 CANOPY BOTTOM CONNECTION DETAIL**  
 A-A3 | A-A3 SCALE: 1:5

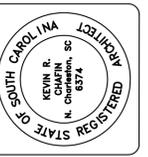
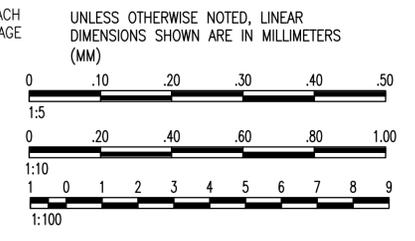


**7 SECTION**  
 A-A3 | A-A3 SCALE: 1:5



**8 SECTION**  
 A-A3 | A-A3 SCALE: 1:5 1 AS SHOWN 1 OPP. HAND

- KEY NOTES:**
- CORRUGATED METAL ROOF
  - LINE OF BUILDING BELOW
  - RIDGE VENT
  - ROOF PENETRATION-RE: DETAIL 8/S-A13



SYMBOL	DESCRIPTION	DATE	APP.

DESIGNED BY:	DATE:
BAKER	04-01-08
DWN BY:	SUBMITTED BY:
K/JG	BAKER
CHK BY:	FILE NO.:
KRC	

Arside Business Park  
 300 Arside Blvd., Suite 100, Po. 15108  
 Maryland Heights, Mo. (417) 269-6300

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 of Engineers  
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 Center

AFGHAN NATIONAL BORDER POLICE  
 AFGHANISTAN NATIONAL  
 BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 ADMINISTRATION BUILDING  
 ROOF PLAN & BUILDING SECTIONS

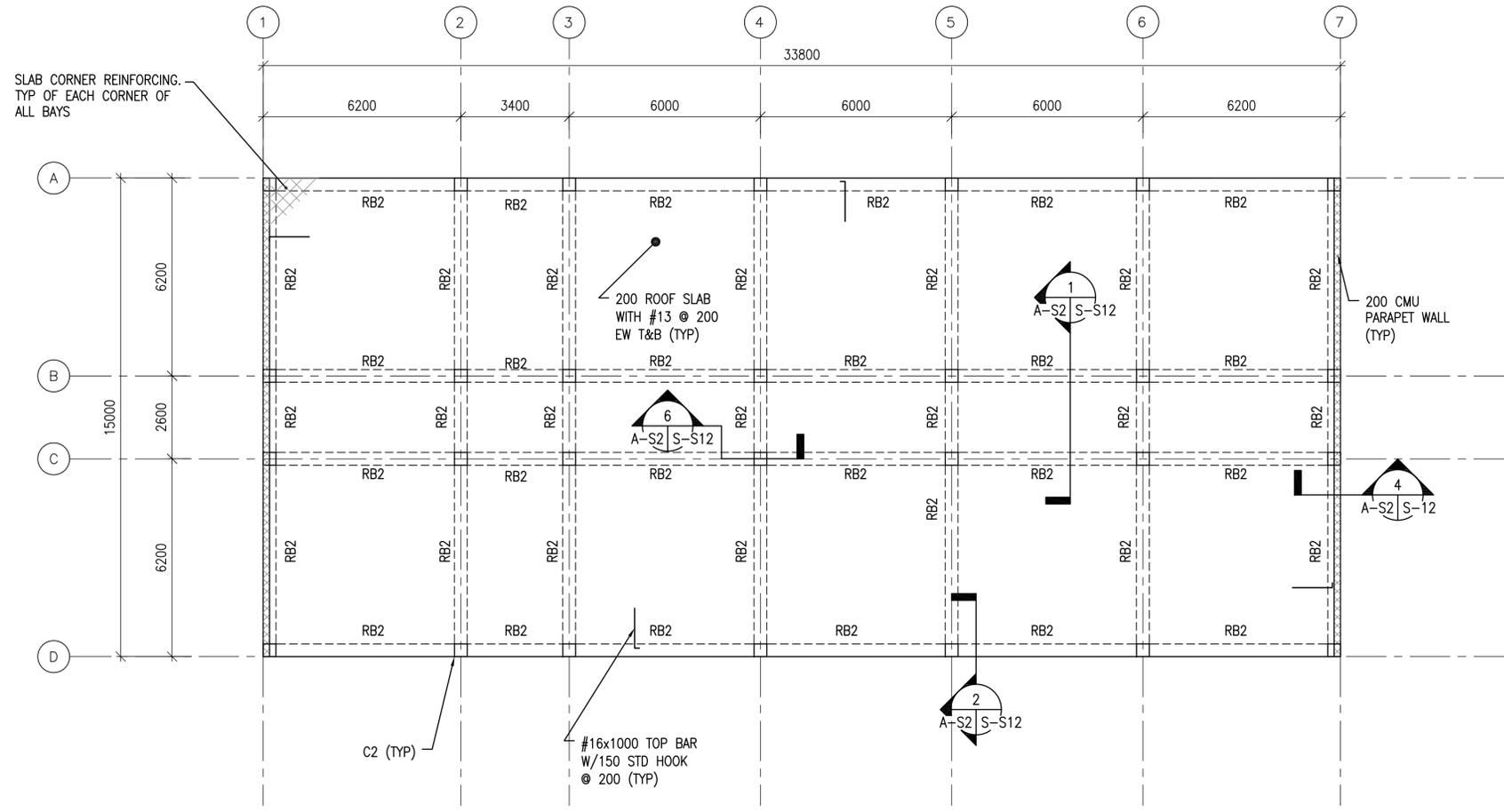
SHEET REFERENCE NUMBER:  
**A-A3**

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A B C D E F G H

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SLAB CORNER REINFORCING.  
TYP OF EACH CORNER OF  
ALL BAYS

200 ROOF SLAB  
WITH #13 @ 200  
EW T&B (TYP)

#16x1000 TOP BAR  
W/150 STD HOOK  
@ 200 (TYP)

200 CMU  
PARAPET WALL  
(TYP)

1 ADMINISTRATION BUILDING ROOF FRAMING PLAN  
A-S1 | A-S1 SCALE: 1:100

**PLAN NOTES:**

1. TOP OF SLAB ELEVATION = 3600 UNLESS NOTED OTHERWISE
2. COLUMNS INDICATED THUS C# ON PLAN. REFER TO COLUMN SCHEDULE ON DRAWING S-S4.
3. RB# DENOTES ROOF BEAM TYPE. SEE BEAM SCHEDULE ON DRAWING S-S4.
4. REFER TO DRAWINGS S-S1 AND S-S2 FOR STRUCTURAL NOTES AND BASIS OF DESIGN.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR COLD-FORMED STEEL OVERFRAMING ABOVE ROOF SLAB.



SYMBOL	DESCRIPTION	DATE	APP

DESIGNED BY: BAKER	DATE: 04-01-08
DWN BY: RCG	SUBMITTED BY: BAKER
CHK BY: CWW	FILE NO.:

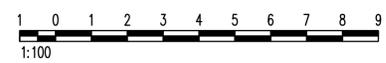
Arside Business Park  
 300 Arside Drive  
 Manassas, VA 20108  
 (412) 269-6300  

 US Army Corps  
 of Engineers  
 Transatlantic Programs  
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 BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 ADMINISTRATION BUILDING (A1)  
 ROOF FRAMING PLAN

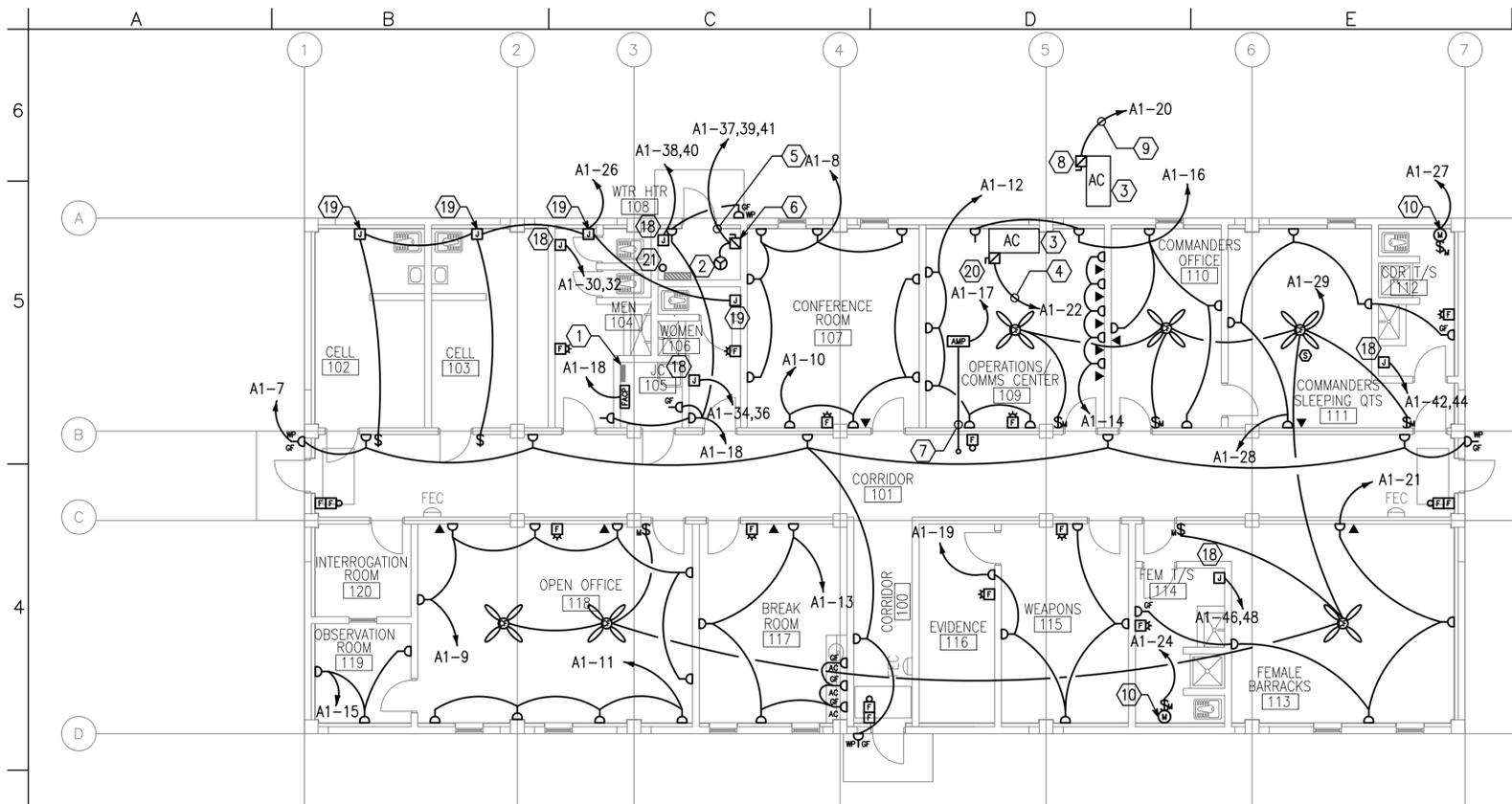
SHEET  
 REFERENCE  
 NUMBER:  
**A-S2**

UNLESS OTHERWISE NOTED, LINEAR  
DIMENSIONS SHOWN ARE IN MILLIMETERS.  
(MM)



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**GENERAL NOTE:**

- REFER TO DRAWING #S-E0 FOR ELECTRICAL SYMBOLS LIST.
- EXIT SIGNS SHALL BE ON UNSWITCHED CIRCUITS.
- REFER TO DRAWING #S-E1 FOR LIGHTING FIXTURE SCHEDULE.
- REFER TO DRAWING #R-E1 FOR POWER RISER OF PANELS.
- REFER TO R-E SERIES DRAWINGS FOR PANEL SCHEDULES.
- ALL MECHANICAL EQUIPMENT & INSTALLATIONS AS INDICATED ON THE DRAWINGS & IN THE SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

**NUMBERED NOTE:**

- PANEL 'A1'
- PANEL 'DPII'
- AC-1
- 2 10.0mm<sup>2</sup> + 1 6.0mm<sup>2</sup> GND. IN 20mm C.
- 3 16.0mm<sup>2</sup> + 1 6.0mm<sup>2</sup> GND. IN 20mm C.
- NEMA 3R, 380V, 3P, 60A FUSED DISCONNECT, FUSED AT 50A.
- 32mm CONDUIT OVER TO SPEAKER CLUSTER ON POLE. SEE SPEAKER CLUSTER DETAIL FOR ADDITIONAL INFORMATION.
- 20A, 220V, 1P DISCONNECT.
- 2 4.0mm<sup>2</sup> + 1 4.0mm<sup>2</sup> GND. IN 20mm C.
- WALL MOUNTED EXHAUST FAN. MOUNT AT 300mm BELOW CEILING.
- ELECTRIC UNIT HEATER SUSPENDED FROM STRUCTURE ABOVE.
- THERMOSTAT MOUNTED AT 1.5M AFF.
- REMOTE MOUNTED CONDENSING UNIT SUPPLIED AND INSTALLED BY MC. ELECTRICAL CONNECTIONS BY EC. SEE MECHANICAL DRAWINGS FOR DETAILS.
- WALL CAP PER FAN MANUFACTURER. INSTALLED BY MC.
- CEILING MOUNTED EXHAUST FAN W/ 100mm DUCT TO WALL CAP SUPPLIED AND INSTALLED BY EC. DUCT BY MC.
- 100mm SLEEVE THROUGH WALL WITH CAP FOR FUTURE WOOD BURNING STOVE. STOVE IS BY OTHERS. SLEEVE SHALL BE MOUNTED 2M AFF.
- WALL MOUNTED AC UNIT. SUPPLIED AND INSTALLED BY MC. ELECTRICAL CONNECTIONS BY EC. SEE MECHANICAL DRAWINGS FOR DETAILS.
- ELECTRICAL CONNECTION TO ELECTRIC UNIT HEATER. REFER TO HVAC PLAN ON THIS SHEET.
- ELECTRICAL CONNECTION TO EXHAUST FANS EF-1, EF-2, EF-3, AND EF-4. PROVIDE POWER WIRING FROM JUNCTION BOX TO EACH EXHAUST FAN. REFER TO HVAC PLAN ON THIS SHEET FOR LOCATIONS.
- NEMA 3R, 220V, 1P, 60A FUSED DISCONNECT, FUSED AT 40A.
- TELECOMMUNICATIONS CONDUIT STUB-UP

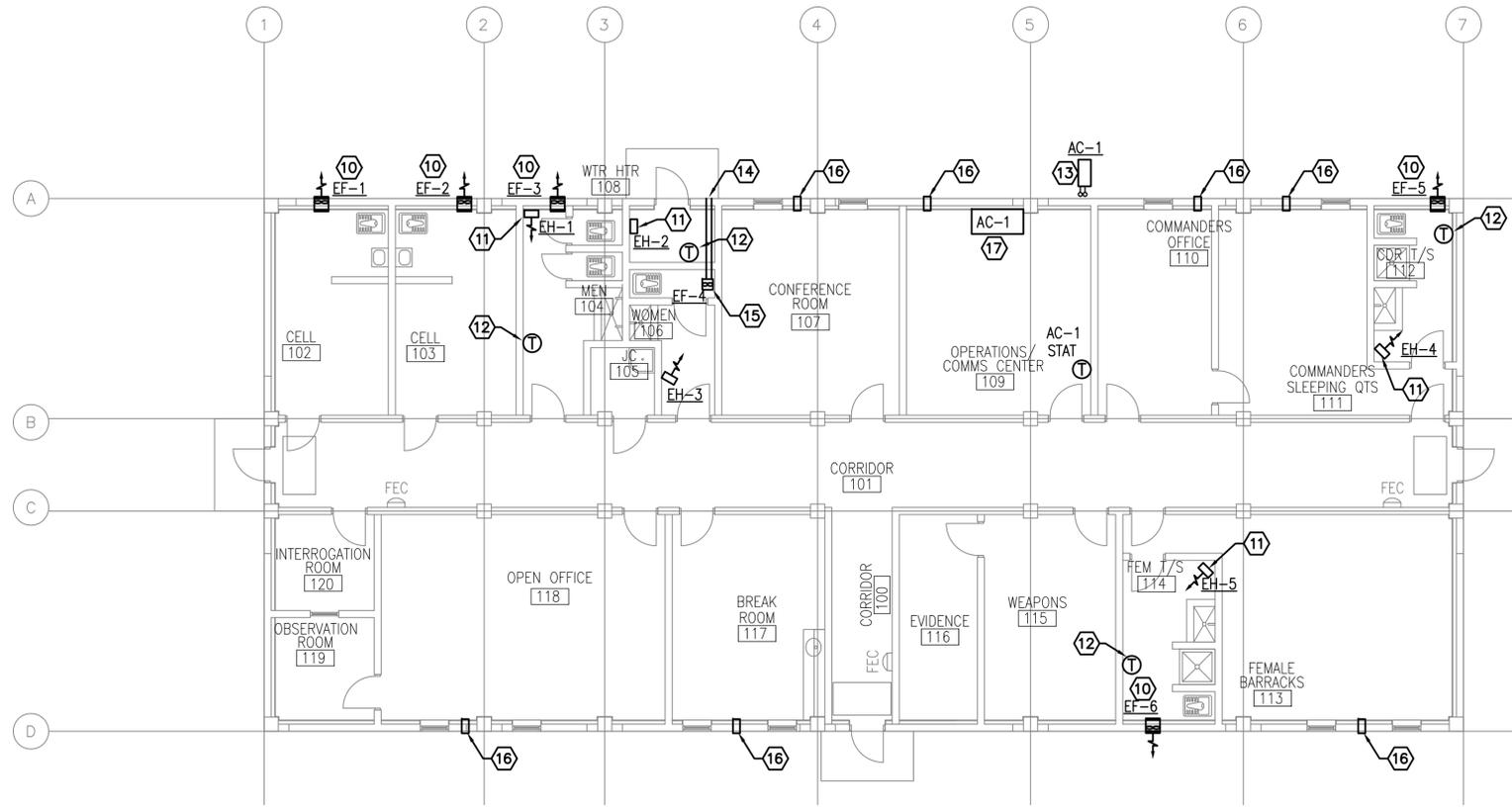
**EXHAUST FAN SCHEDULE**

NO.	TYPE	FAN CMS	DRIVE	HP	SP mmH2O	ELECT. CHAR.	SWITCH
EF-1	WALL	0.050	DIRECT	FRACT	13	220/1/50	WALL
EF-2	WALL	0.050	DIRECT	FRACT	13	220/1/50	WALL
EF-3	WALL	0.100	DIRECT	FRACT	13	220/1/50	W/ LIGHTS
EF-4	CEILING	0.050	DIRECT	FRACT	13	220/1/50	W/ LIGHTS
EF-5	WALL	0.050	DIRECT	FRACT	13	220/1/50	W/ LIGHTS
EF-6	WALL	0.050	DIRECT	FRACT	13	220/1/50	W/ LIGHTS

**ELECTRIC UNIT HEATER SCHEDULE**

NO.	CMS	KW	F.A.T. °C	ELECT. CHAR.	MOUNTING
EH-1	.193	3	33	370/1/50	CEILING HUNG
EH-2	.193	3	33	370/1/50	CEILING HUNG
EH-3	.193	3	33	370/1/50	CEILING HUNG
EH-4	.193	3	33	370/1/50	CEILING HUNG
EH-5	.193	3	33	370/1/50	CEILING HUNG

**1 ADMINISTRATION BUILDING FIRST FLOOR POWER PLAN**  
A-E3 | A-E3 SCALE: 1:100



**2 ADMINISTRATION BUILDING FIRST FLOOR HVAC PLAN**  
A-E3 | A-E3 SCALE: 1:100



NO.	DATE	DESCRIPTION

DESIGNED BY: ALF	DATE: 04-01-08
DWN BY: ALF	SUBMITTED BY: JRG
CHK BY: JRG	FILE NO: -----

Atrac Business Park  
 Alameda Ave., Suite 100  
 Memphis, TN 38117  
 (901) 269-6300  
**Baker**  
 MICHAEL BAKER JR., INC.

US Army Corps  
 of Engineers  
 Transatlantic Programs  
 Center

AFGHAN NATIONAL BORDER POLICE  
 AFGHANISTAN NATIONAL  
 BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 ADMINISTRATION BUILDING  
 FIRST FLOOR POWER PLAN

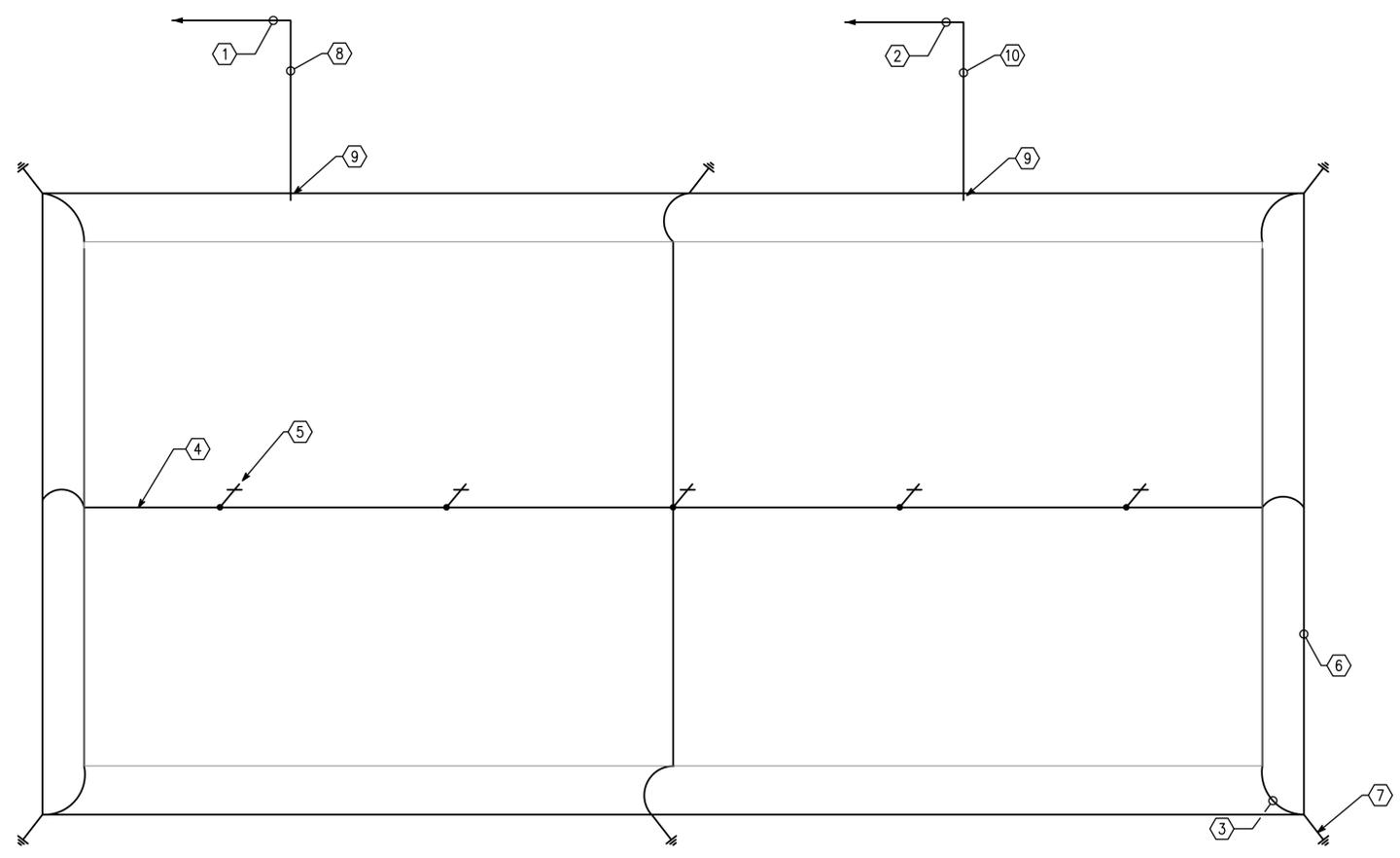
SHEET  
 REFERENCE  
 NUMBER:  
**A-E2**



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A B C D E F G H

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1



1 ADMINISTRATION BUILDING LIGHTNING PROTECTION PLAN  
A-E3 A-E3 SCALE: 1:100

**GENERAL NOTE:**

1. REFER TO DRAWING #S-E0 FOR ELECTRICAL SYMBOLS LIST.
2. FLAG POLE SHALL HAVE THE SAME LIGHTNING PROTECTION SYSTEM AS THE POLE SUPPORTING THE PUBLIC ADDRESS SPEAKER CLUSTER. SEE DRAWING #S-E2 FOR DETAILS.
3. REFER TO THE S-E SERIES DRAWINGS FOR DETAILS RELATING TO LIGHTNING PROTECTION AND GROUNDING.
4. AIR TERMINALS FOR LIGHTNING PROTECTION SYSTEM SHALL BE LOCATED 6.5 METERS MAXIMUM APART.
5. COPPER COUNTERPOISE GROUND SHALL BE LOCATED 700mm MINIMUM FROM BUILDING FOOTPRINT.

**NUMBERED NOTE:**

- 1 TO LIGHTNING PROTECTION ON THE FLAGPOLE.
- 2 TO LIGHTNING PROTECTION ON THE POLE THAT THE SPEAKER CLUSTER IS LOCATED ON.
- 3 CADWELD TO BUILDING STRUCTURE AT 18 METERS O.C. AROUND ENTIRE PERIMETER OF BUILDING. (TYPICAL).
- 4 LIGHTNING PROTECTION CABLE.
- 5 AIR TERMINAL (TYPICAL).
- 6 1 120.0mm<sup>2</sup> BARE, TINNED COPPER COUNTERPOISE GROUND 700mm BELOW GRADE.
- 7 INSTALL DOWN CONDUCTOR IN 25mm CONDUIT TO 20mm DIAMETER x 3 METERS SOLID COPPER TINNED GROUND ROD. (TYPICAL).
- 8 1 120mm<sup>2</sup> BARE, TINNED COPPER IN 25mm PVC CONDUIT.
- 9 CADWELD TO BUILDING STRUCTURE AND/OR TO THE GROUND LOOP.
- 10 1 120mm<sup>2</sup> BARE, TINNED COPPER IN 25mm CONDUIT.



SYMBOL	DESCRIPTION	DATE	APP.

DESIGNED BY: ALF	DATE: 04-01-08
DWN BY: ALF	SUBMITTED BY: BAKER
CHK BY: JRG	FILE NO.:

Arside Business Park  
 100 Arside Drive  
 Maryland Heights, Mo. 63043  
 (412) 269-6300  

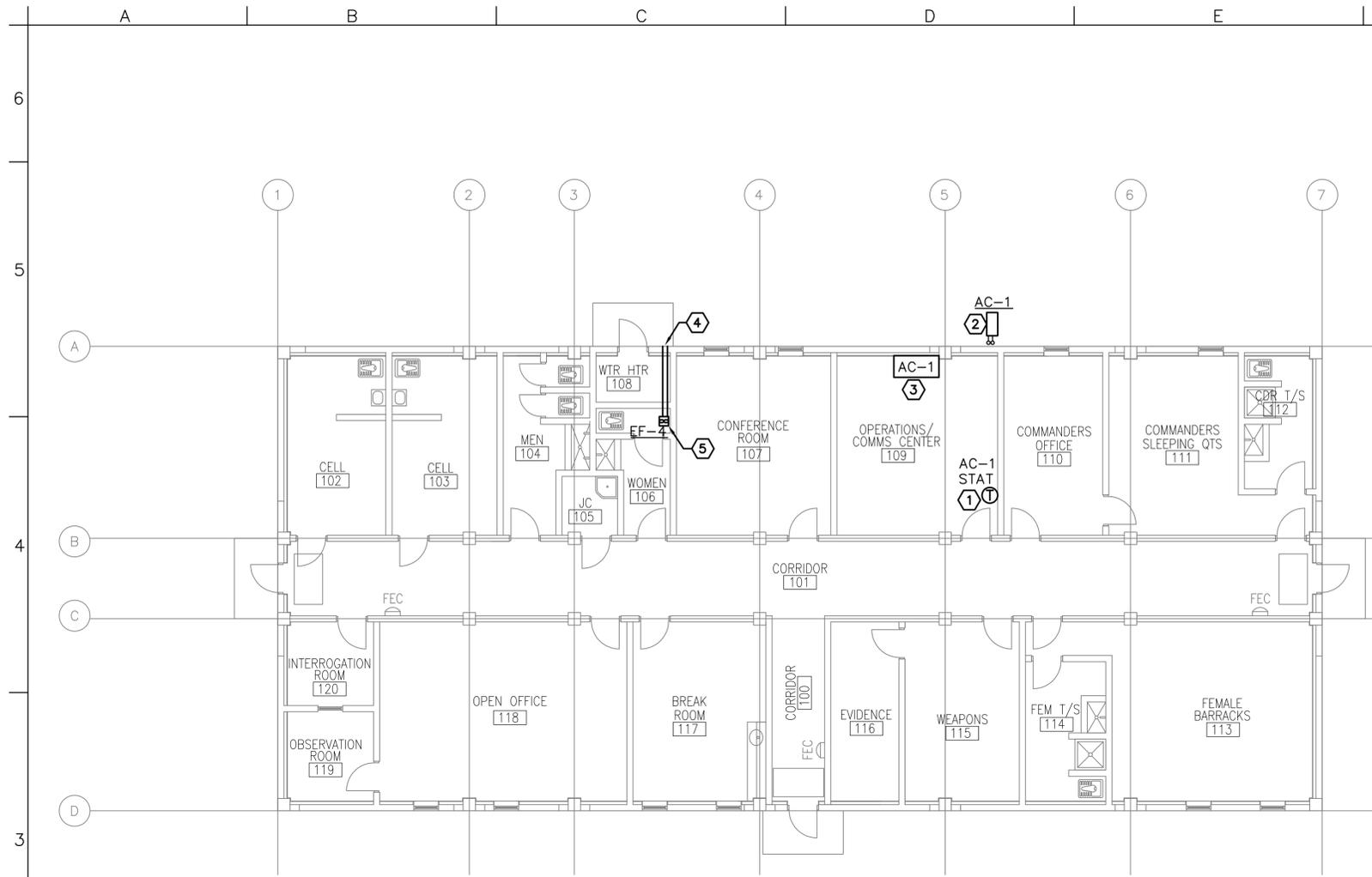
 US Army Corps  
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AFGHAN NATIONAL BORDER POLICE  
 AFGHANISTAN NATIONAL  
 BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 ADMINISTRATION BUILDING  
 LIGHTNING PROTECTION PLAN

SHEET  
 REFERENCE  
 NUMBER:  
**A-E3**



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1 ADMINISTRATION BUILDING FIRST FLOOR HVAC PLAN  
 A-M1 | A-M1 SCALE: 1:100

**GENERAL NOTES:**

- DO NOT SCALE DRAWINGS – ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
- ALL WORK PERFORMED ON THIS BUILDING SHALL BE IN COMPLIANCE WITH ALL PERTINENT CODES, RULES, ORDINANCES AND REGULATIONS OF THE GOVERNING AUTHORITIES.
- ALL WORK PERFORMED UNDER AND IN CONNECTION WITH THESE DRAWINGS AND SPECIFICATIONS SHALL BE IN STRICT COMPLIANCE WITH THE LATEST SAFETY AND HEALTH STANDARDS.
- SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL MECHANICAL EQUIPMENT, FANS, ELECTRIC HEATERS, ETC. WHICH SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- ALL DUCTWORK IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

**NUMBERED NOTE:**

- THERMOSTAT MOUNTED AT 1.5M AFF.
- REMOTE MOUNTED CONDENSING UNIT MOUNTED ON 1M X 155mm THICK CONCRETE PAD, SERVING AC-1. EXTEND INSULATED REFRIGERATION LINES UP WALL TO INDOOR UNIT AS REQ'D. UNIT SHALL BE SECURED TO CONCRETE PAD. SEE DETAIL ON SHEET S-M6
- WALL MOUNTED AC UNIT. SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. FINAL ELECTRICAL CONNECTIONS BY EC. SEE DETAIL ON SHEET S-M6.
- WALL CAP PER FAN MANUFACTURER.
- 100mm DUCT FROM EXHAUST FAN TO WALL CAP. EXHAUST FAN SUPPLIED AND INSTALLED BY EC. DUCT BY MC.

**SPLIT SYSTEM AC UNIT SCHEDULE**

CMS	COOLING COIL DATA				ELECT. CHAR.	MIN. AMP.	MAX FUSE	SP mmH2O	WEIGHT (kg)
	E.A.T. °C	DB	WB	kW					
.213	43	21	6.5	2.62	220/1/50	0.30	6	13	16

OUTDOOR UNIT				
ELECT. CHAR.	MIN. AMP.	MAX FUSE	POWER INPUT (kW)	WEIGHT (kg)
220/1/50	10.82	25	2.48	60

**NOTES:**

- REFRIGERANT LIQUID, VAPOR AND DRAIN LINES ARE TO BE SIZED AND INSTALLED AS PER MANUFACTURER'S RECOMMENDATION.
- START-UP AND TESTING SHALL BE BY A MANUFACTURER APPROVED TECHNICIAN.



DATE	DESCRIPTION	SYMBOL

DESIGNED BY: ALF DATE: 04-01-08  
 DWN BY: ALF SUBMITTED BY: JRG  
 CHK BY: JRG FILE NO.: -----  
 Baker MICHAEL BAKER, INC. US Army Corps of Engineers Transatlantic Programs Center  
 14000 Alameda Drive, Suite 100, Fairfax, VA 22033  
 (412) 269-6300

AFGHAN NATIONAL BORDER POLICE  
 AFGHANISTAN NATIONAL BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 ADMINISTRATION BUILDING  
 HVAC FLOOR PLAN

SHEET REFERENCE NUMBER:  
**A-M1**

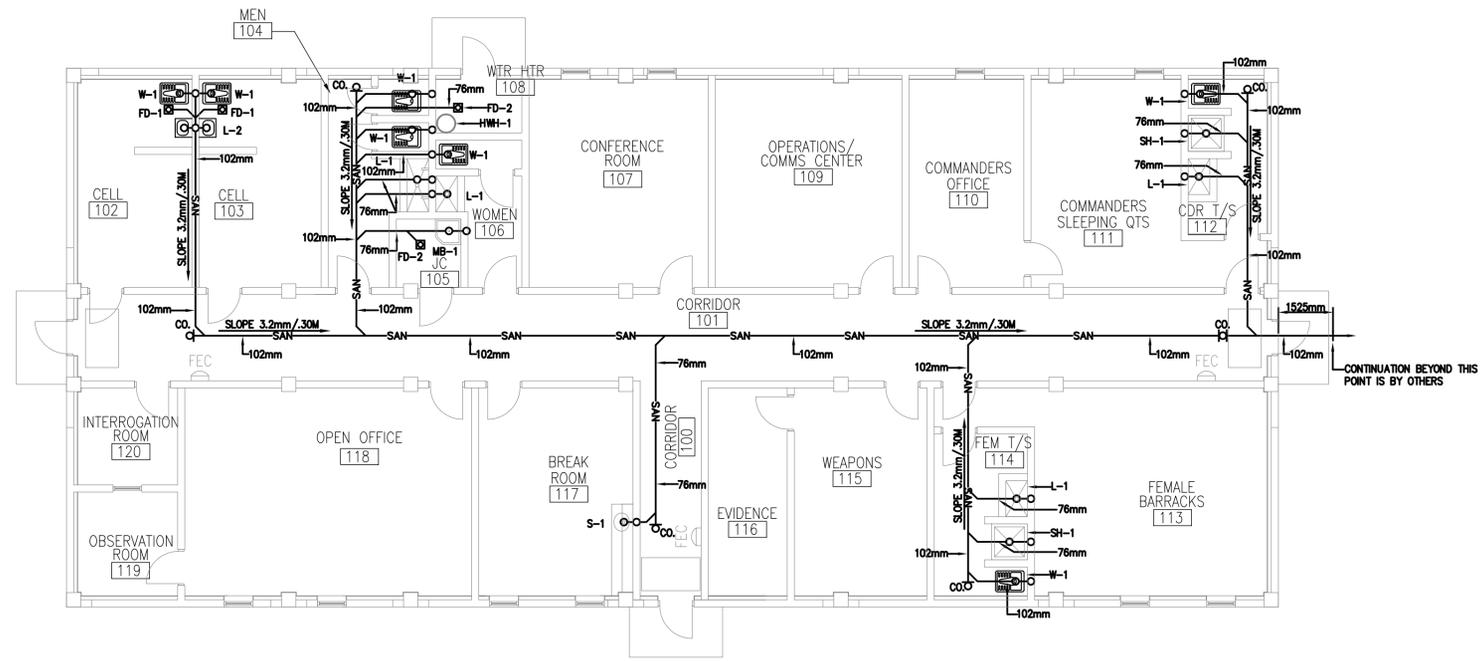


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6

5

4

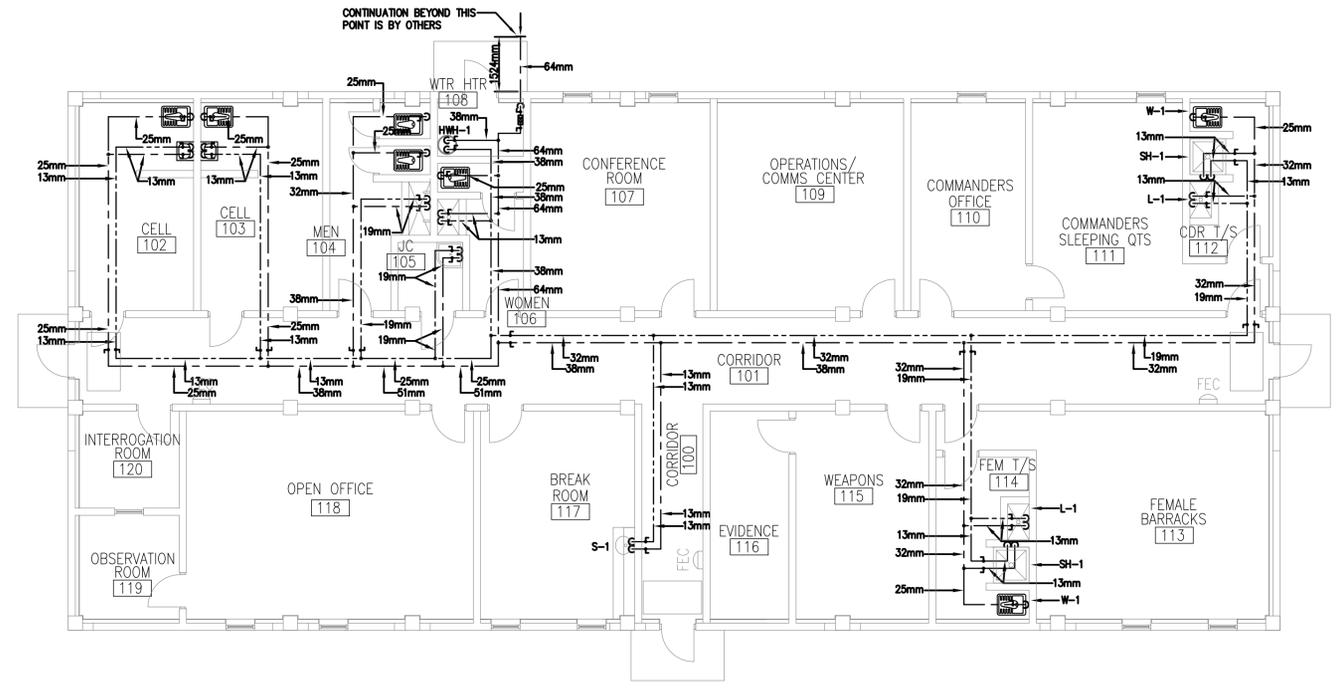


1 ADMINISTRATION BUILDING FLOOR PLAN - PLUMBING (SANITARY)  
 A-P1|A-P1 SCALE: 1:100

GROSS FLOOR AREA - 507.0 SQUARE METERS

3

2



2 ADMINISTRATION BUILDING FLOOR PLAN - PLUMBING (WATER)  
 A-P1|A-P1 SCALE: 1:100

**FLOOR PLAN NOTES:**

- DO NOT SCALE DRAWINGS - ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
- ALL WORK PERFORMED ON THIS BUILDING SHALL BE IN COMPLIANCE WITH ALL PERTINENT CODES, RULES, ORDINANCES AND REGULATIONS OF THE GOVERNING AUTHORITIES.
- ALL WORK PERFORMED UNDER AND IN CONNECTION WITH THESE DRAWINGS AND SPECIFICATIONS SHALL BE IN STRICT COMPLIANCE WITH THE LATEST SAFETY AND HEALTH STANDARDS.
- REPORT ANY DISCREPANCIES FOUND IN THE PLUMBING DRAWINGS AND/OR IN THE SPECIFICATIONS DURING THE BIDDING PROCESS FOR CLARIFICATION BY THE ENGINEER.
- ALL EASTERN STYLE WATER CLOSETS IN THIS FACILITY ARE TO HAVE THE FIXTURE DESIGNATION OF W-1. EACH FIXTURE SHALL HAVE A (1) INCH (25mm) COLD WATER CONNECTION AND A (4) INCH (102mm) SANITARY CONNECTION.
- ALL TROUGH FIXTURES IN THIS FACILITY ARE TO HAVE THE FIXTURE DESIGNATION OF L-1. EACH FIXTURE SHALL HAVE A (1/2) INCH (13mm) COLD WATER, (1/2) INCH (13mm) HOT WATER CONNECTION AND A (3) INCH (76mm) SANITARY CONNECTION TO A FLOOR DRAIN.
- ALL SHOWER FIXTURES IN THIS FACILITY ARE TO HAVE THE FIXTURE DESIGNATION OF SH-1. EACH FIXTURE SHALL HAVE A (1/2) INCH (13mm) COLD WATER, (1/2) INCH (13mm) HOT WATER CONNECTION AND A (3) INCH (76mm) SANITARY CONNECTION TO A FLOOR DRAIN.
- PLUMBING CONTRACTOR TO PROVIDE WATER HAMMER ARRESTORS AT ALL WATER CLOSETS.
- PLUMBING CONTRACTOR TO PROVIDE TRAP PRIMERS AND 1/2" (13mm) COLD WATER LINES FOR ALL FLOOR DRAINS. COLD WATER LINES TO BE UNDER THE FLOOR FROM TRAP PRIMERS TO TRAPS ON FLOOR DRAINS.
- REFER TO SHEET S-P1 & S-P2 FOR DETAILS AND SYMBOLS.
- ALL WATER LINES TO BE EXPOSED. RUN LINES TIGHT TO CEILING AND WALL.
- ALL PLUMBING FIXTURES TO BE "LOW FLOW EFFICIENT" TYPE.



SYMBOL	DESCRIPTION	DATE	APR

DESIGNED BY: RMH	DATE: 04-01-08
DWN BY: RMH	SUBMITTED BY: BAKER
CHK BY: MRS	FILE NO.:

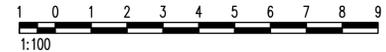
Afrisco Business Park  
 Afrisco Administrative  
 Moorhead, Pa. 15108  
 (412) 269-6300

**Baker**  
 MICHAEL BAKER, INC.

US Army Corps  
 of Engineers  
 Transatlantic Programs  
 Center

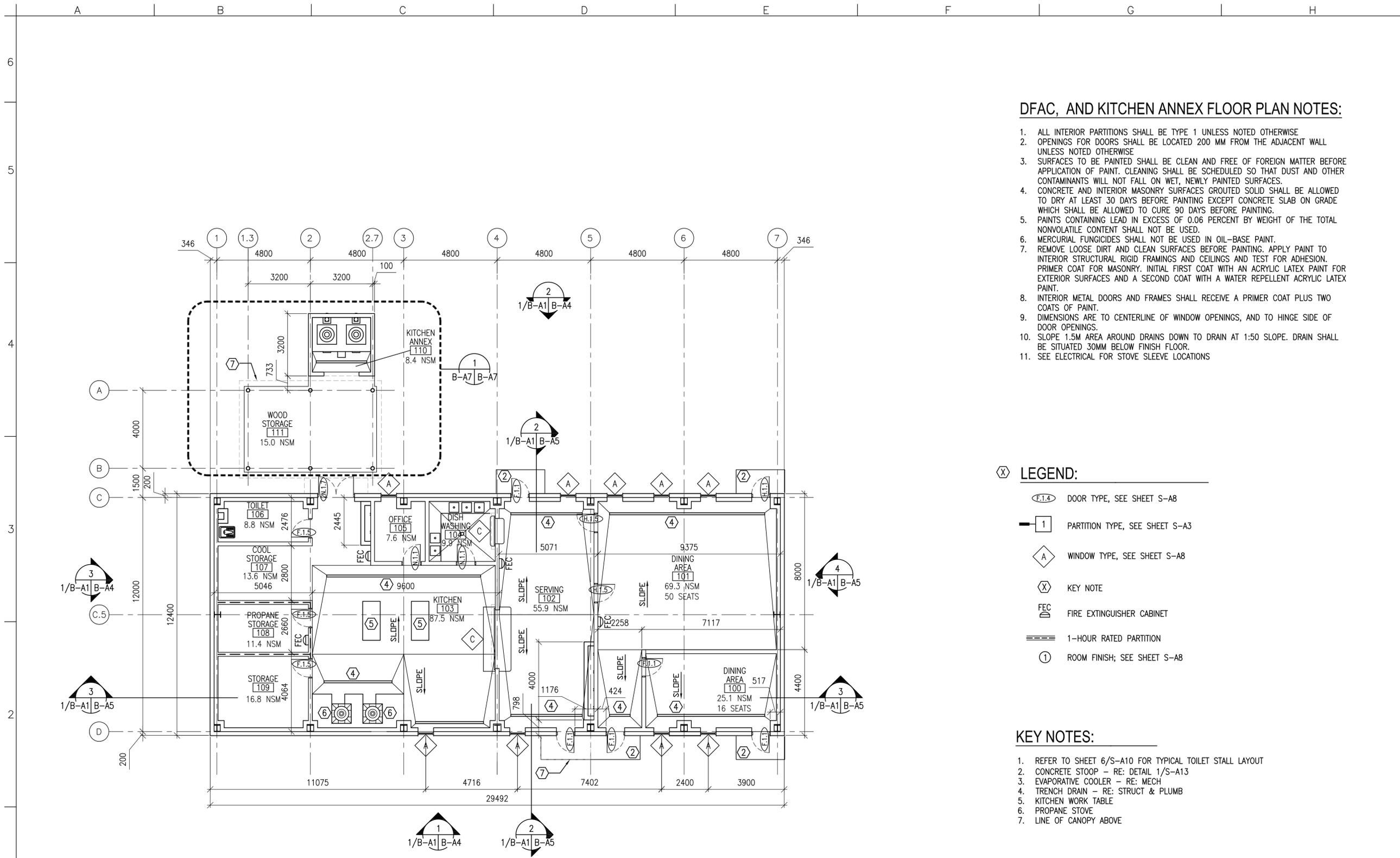
AFGHAN NATIONAL BORDER POLICE  
 AFGHANISTAN NATIONAL  
 BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 ADMINISTRATION BUILDING  
 FIRST FLOOR PLAN - PLUMBING

SHEET  
 REFERENCE  
 NUMBER:  
**A-P1**



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**1** DFAC, KITCHEN ANNEX, AND WOOD STORAGE FLOOR PLAN  
 B-A1 | B-A1 SCALE: 1:100

**DFAC, AND KITCHEN ANNEX FLOOR PLAN NOTES:**

1. ALL INTERIOR PARTITIONS SHALL BE TYPE 1 UNLESS NOTED OTHERWISE
2. OPENINGS FOR DOORS SHALL BE LOCATED 200 MM FROM THE ADJACENT WALL UNLESS NOTED OTHERWISE
3. 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 WET, NEWLY PAINTED SURFACES.
4. CONCRETE AND INTERIOR MASONRY SURFACES GROUTED SOLID SHALL BE ALLOWED TO DRY AT LEAST 30 DAYS BEFORE PAINTING EXCEPT CONCRETE SLAB ON GRADE WHICH SHALL BE ALLOWED TO CURE 90 DAYS BEFORE PAINTING.
5. PAINTS CONTAINING LEAD IN EXCESS OF 0.06 PERCENT BY WEIGHT OF THE TOTAL NONVOLATILE CONTENT SHALL NOT BE USED.
6. MERCURIAL FUNGICIDES SHALL NOT BE USED IN OIL-BASE PAINT.
7. REMOVE LOOSE DIRT AND CLEAN SURFACES BEFORE PAINTING. APPLY PAINT TO INTERIOR STRUCTURAL RIGID FRAMINGS AND CEILINGS AND TEST FOR ADHESION. PRIMER COAT FOR MASONRY. INITIAL FIRST COAT WITH AN ACRYLIC LATEX PAINT FOR EXTERIOR SURFACES AND A SECOND COAT WITH A WATER REPELLENT ACRYLIC LATEX PAINT.
8. INTERIOR METAL DOORS AND FRAMES SHALL RECEIVE A PRIMER COAT PLUS TWO COATS OF PAINT.
9. DIMENSIONS ARE TO CENTERLINE OF WINDOW OPENINGS, AND TO HINGE SIDE OF DOOR OPENINGS.
10. SLOPE 1.5M AREA AROUND DRAINS DOWN TO DRAIN AT 1:50 SLOPE. DRAIN SHALL BE SITUATED 30MM BELOW FINISH FLOOR.
11. SEE ELECTRICAL FOR STOVE SLEEVE LOCATIONS

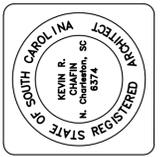
**(X) LEGEND:**

- (F.1.4) DOOR TYPE, SEE SHEET S-A8
- 1 PARTITION TYPE, SEE SHEET S-A3
- A WINDOW TYPE, SEE SHEET S-A8
- (X) KEY NOTE
- FEC FIRE EXTINGUISHER CABINET
- 1-HOUR RATED PARTITION
- 1 ROOM FINISH; SEE SHEET S-A8

**KEY NOTES:**

1. REFER TO SHEET 6/S-A10 FOR TYPICAL TOILET STALL LAYOUT
2. CONCRETE STOOP - RE: DETAIL 1/S-A13
3. EVAPORATIVE COOLER - RE: MECH
4. TRENCH DRAIN - RE: STRUCT & PLUMB
5. KITCHEN WORK TABLE
6. PROPANE STOVE
7. LINE OF CANOPY ABOVE

UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS (MM)



SYMBOL	DESCRIPTION	DATE	APP

DESIGNED BY: BAKER	DATE: 04-01-08
DWN BY: KJG	SUBMITTED BY: BAKER
CHK BY: KRC	FILE NO.:

Arside Business Park  
 300 Arside Drive  
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**Baker**  
 MICHAEL BAKER, INC.

US Army Corps  
 of Engineers  
 Transatlantic Programs  
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AFGHAN NATIONAL BORDER POLICE  
 AFGHANISTAN NATIONAL  
 BORDER POLICE UNIT FACILITY  
 BORDER POLICE COMPANY  
 DFAC, KITCHEN ANNEX AND  
 WOOD STORAGE FLOOR PLAN

SHEET REFERENCE NUMBER:  
**B-A1**

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