

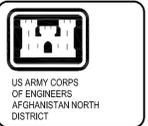
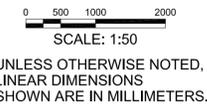
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A-401 ENLARGED PLAN  
SCALE: 1:50

**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 A.1.5A UNLESS NOTED OTHERWISE. REFER TO A-601 FOR DOOR INFORMATION.
- P. TOILET STALL DOORS SHALL BE G.2.12
- Q. SHOWER STALL DOOR, FRAME AND HARDWARE TYPE SHALL BE E.1.12.
- R. PROVIDE POLISHED STAINLESS STEEL MIRROR 600 X 900 ABOVE EVERY LAVATORY FAUCET.
- S. PLASTER MAY BE SUBSTITUTED FOR DRYWALL WALLS AND CEILINGS. MAINTAIN FIRE RATINGS AS NOTED
- T. 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. TYPICAL TOILET STALL LAYOUT - SEE DETAIL 2/A-504
- 2. NOT USED
- 3. LAVATORY - SEE DETAIL 4/A-504
- 4. FLOOR DRAIN - SEE PLUMBING AND DETAIL 2/A-505
- 5. REFER TO 1/A-505 FOR MOP SINK



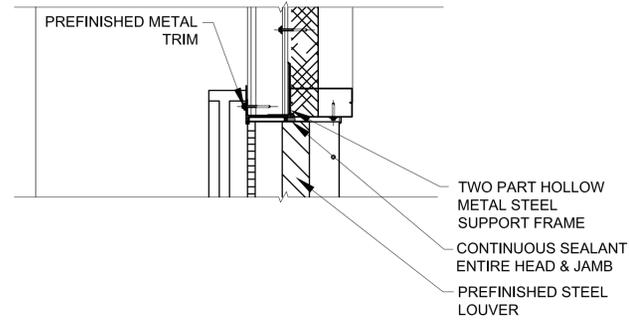
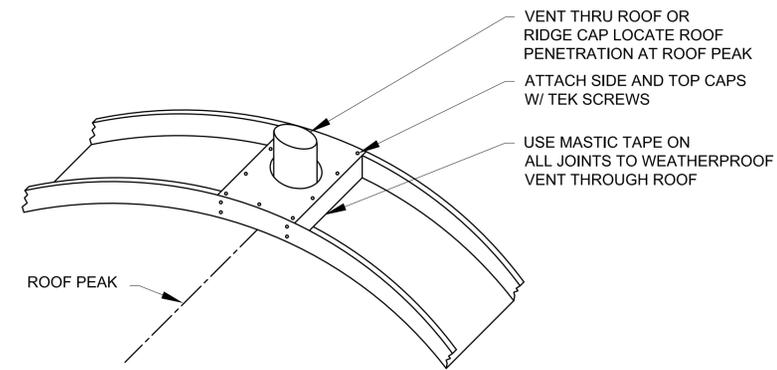
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REVIEWED BY:	DRAWING CODE:	
SUBMITTED BY: <b>BAKER</b>	FILE NAME: A:\ARCH\2011\03\24\A-401.dwg	PLOT DATE: 3/24/2011

U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09556

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
ENLARGED PLAN

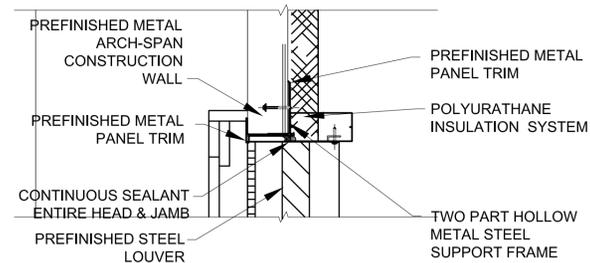
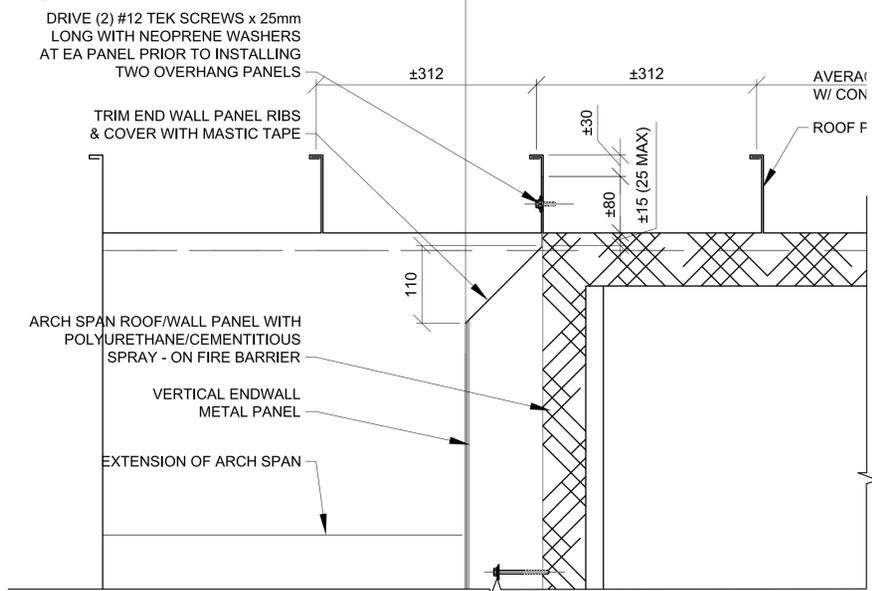
SHEET REFERENCE NUMBER:  
**A-401**



HEAD

1 PLUMBING VENT DETAIL

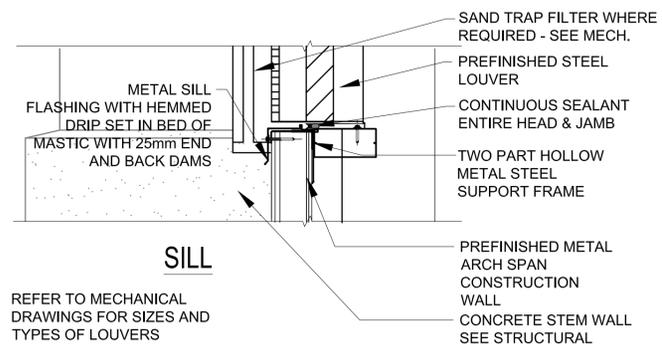
A-501 SCALE: NTS



JAMB

2 END WALL ROOF DETAIL

A-501 SCALE: 1:5



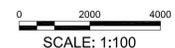
SILL

3 LOUVER EXTERIOR DETAIL

A-501 SCALE: 1:5

4 NOT USED

A-501 SCALE 1:10



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



U.S. ARMY CORPS OF ENGINEERS  
AFGHANISTAN NORTH DISTRICT

REV.	DATE	DESCRIPTION
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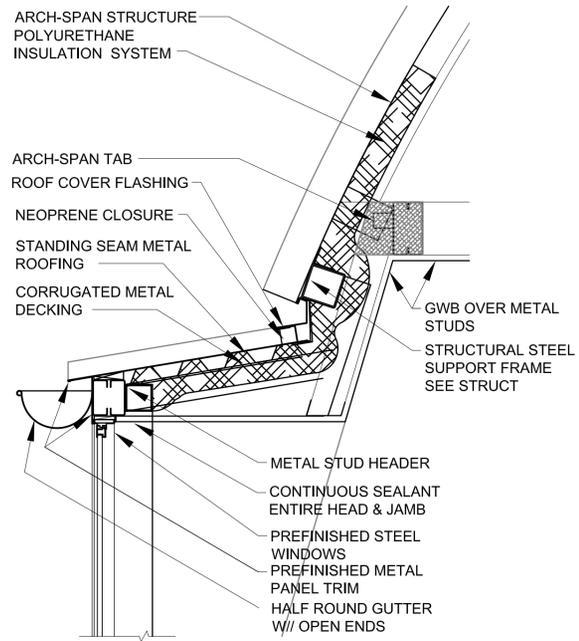
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PLOT DATE:	3/24/2011

DESIGNED BY:	PGS. SE. MR
DWN BY:	SE. MDH. AH
REVIEWED BY:	
SUBMITTED BY:	BAKER

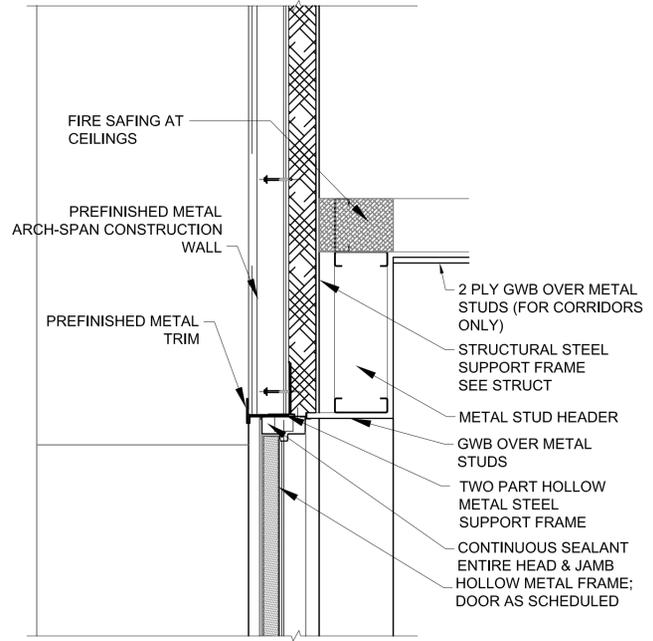
U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
EXTERIOR DETAILS

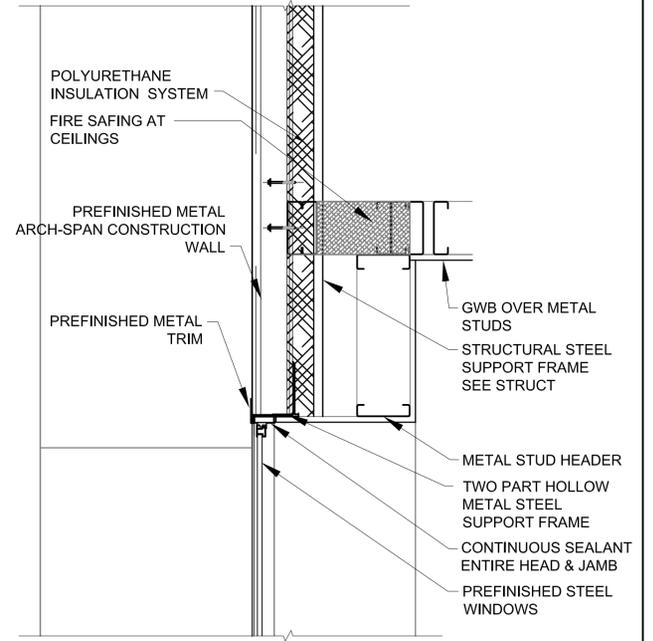
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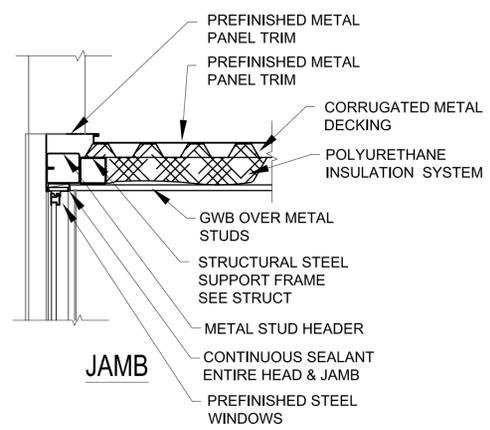
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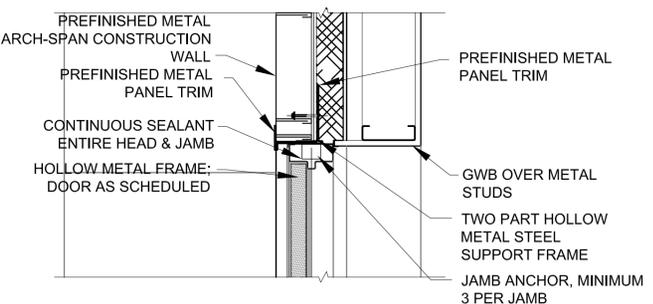
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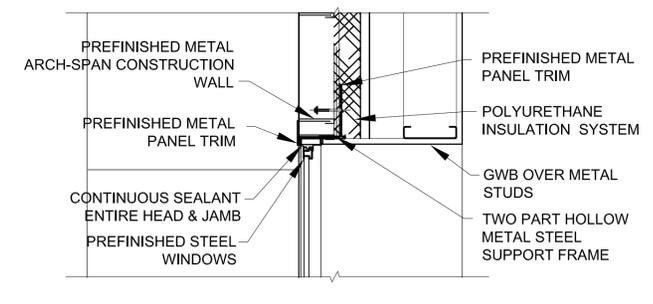
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JAMB

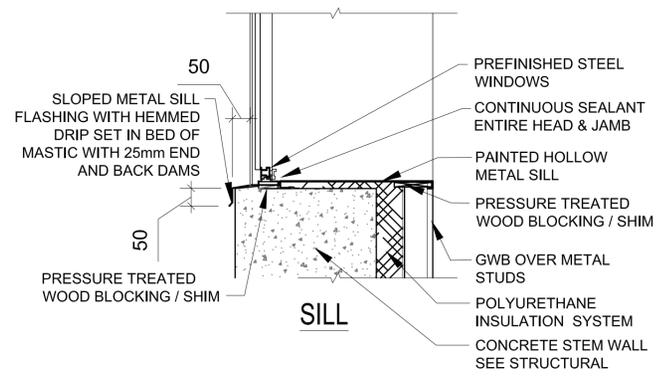


JAMB



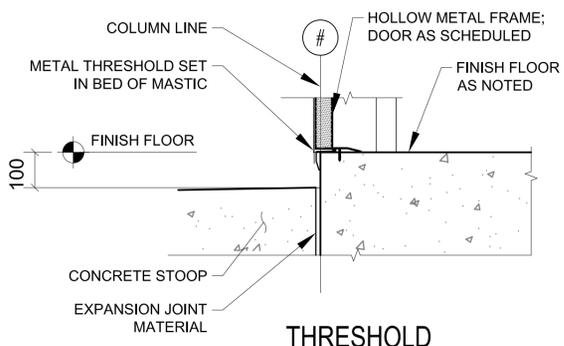
JAMB

1 NOT USED  
A-502 SCALE: 1:10



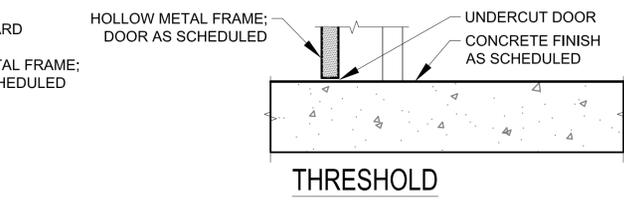
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5 END WALL EXTERIOR DOOR DETAILS  
A-502 SCALE: 1:10

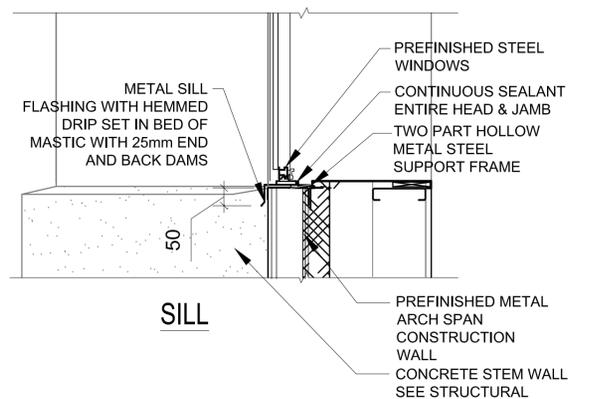


THRESHOLD

6 EXTERIOR DOOR DETAILS  
A-502 SCALE: 1:10

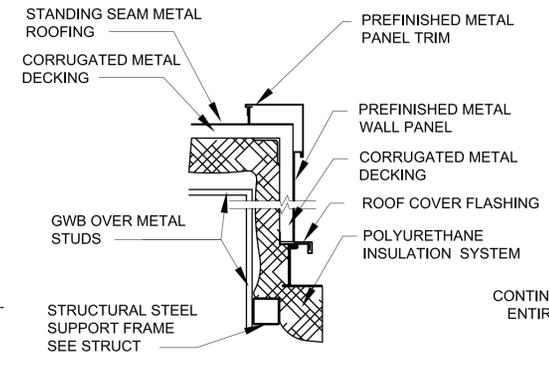


THRESHOLD



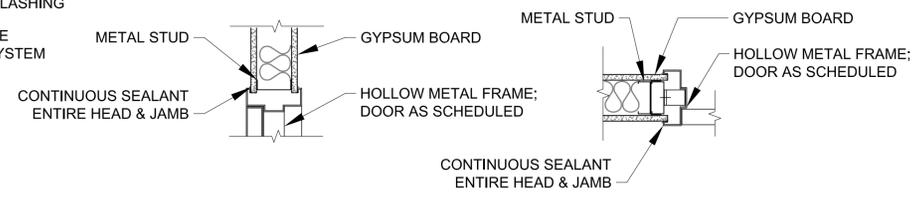
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8 EXTERIOR WINDOWS DETAILS  
A-502 SCALE: 1:10



2 DORMER DETAILS  
A-502 SCALE: 1:10

3 EXTERIOR WINDOW DETAILS  
A-502 SCALE: 1:10



4 INTERIOR WALL DETAILS  
A-502 SCALE: 1:10

7 INTERIOR DOOR DETAILS  
A-502 SCALE: 1:10



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SYMBOL	DESCRIPTION	DATE	APPR.	DATE	APPR.

DESIGNED BY: P.G.S. SE. MR	CKD BY: SE. MDH. AH	REVIEWED BY:	DATE: 3-24-2011	CONTRACT NO. W912ER-09-D-0002	DRAWING CODE:	FILE NAME: A502-ARCH-SPAN	PLOT SCALE: 1:10	PLOT DATE: 3/24/2011
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U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
HEAD, JAMB, AND SILL DETAILS

SHEET REFERENCE NUMBER:  
**A-502**

A

B

C

D

E

F

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6

5

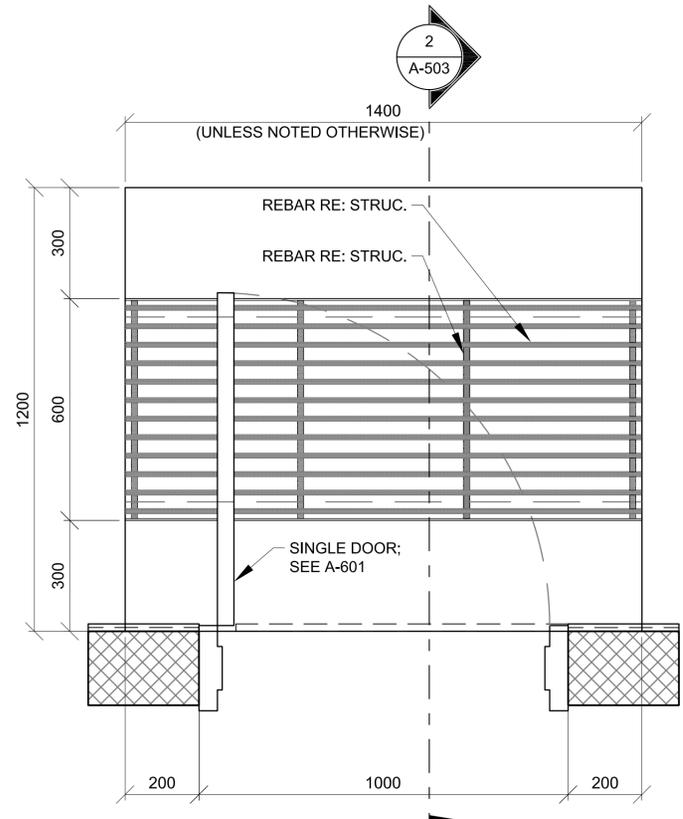
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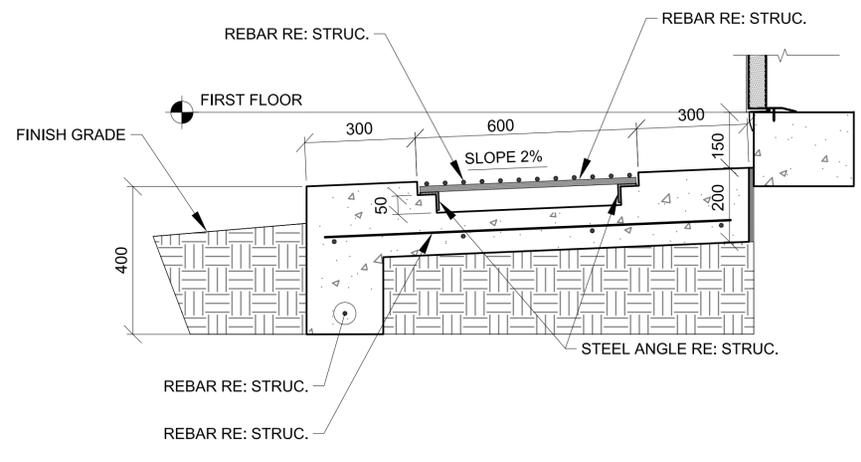
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1

3/24/2011 1:34 PM



1 900mm DOOR STOOP PLAN (WITH GRATE)  
A-503 SCALE: 1:10



2 DOOR STOOP DETAIL  
A-503 SCALE: 1:10



US ARMY CORPS OF ENGINEERS  
AFGHANISTAN NORTH DISTRICT

SYMBOL	DESCRIPTION	DATE	APPR.	SYMBOL	DESCRIPTION	DATE	APPR.

DESIGNED BY: P.G.S. SE. MR	CKD BY: P.G.S. SE. MR	DATE: 3-24-2011	REV: 0
DWN BY: SE. MDH. AH	PGS. SE. MR	CONTRACT NO. W912ER-09-D-0002	FILE NAME: AD23-ADMIN BUILDING - ARCH SPAN
REVIEWED BY:		DRAWING CODE:	PLOT SCALE: 1:10
SUBMITTED BY:		PLOT DATE:	3/24/2011

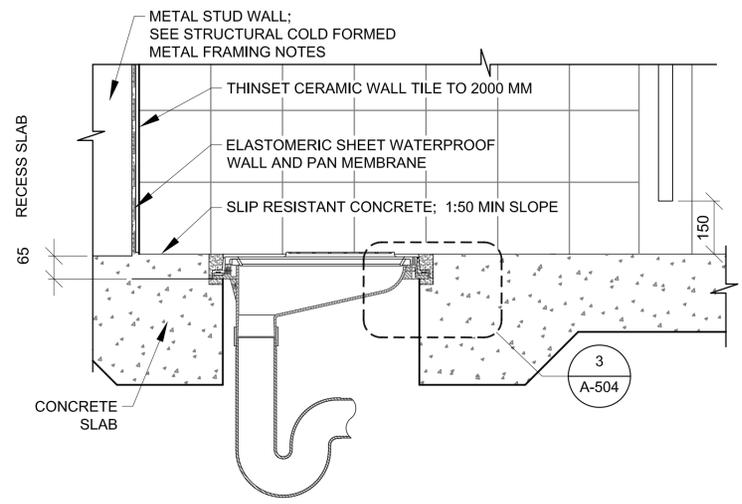
U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
STOOP DETAILS

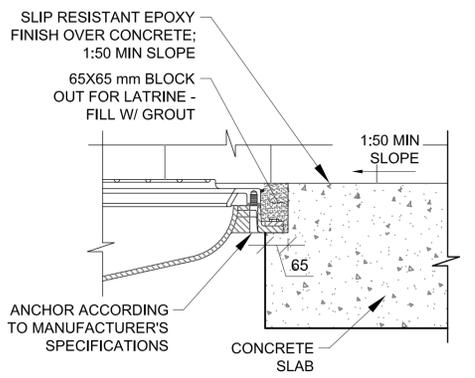
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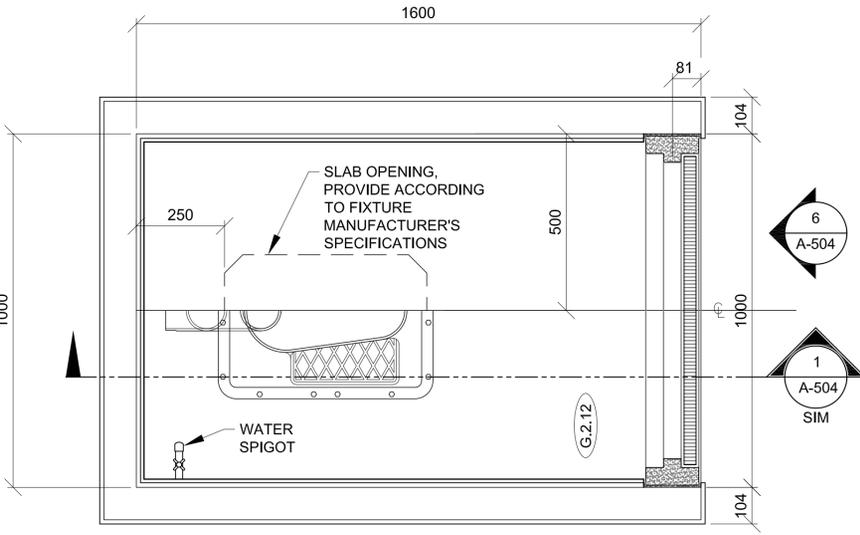
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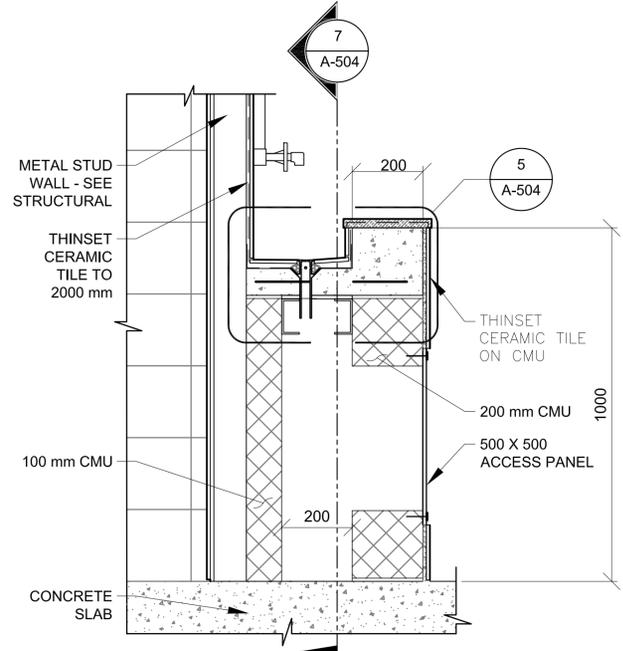
**1 LATRINE DETAIL**  
A-504 SCALE: 1:10



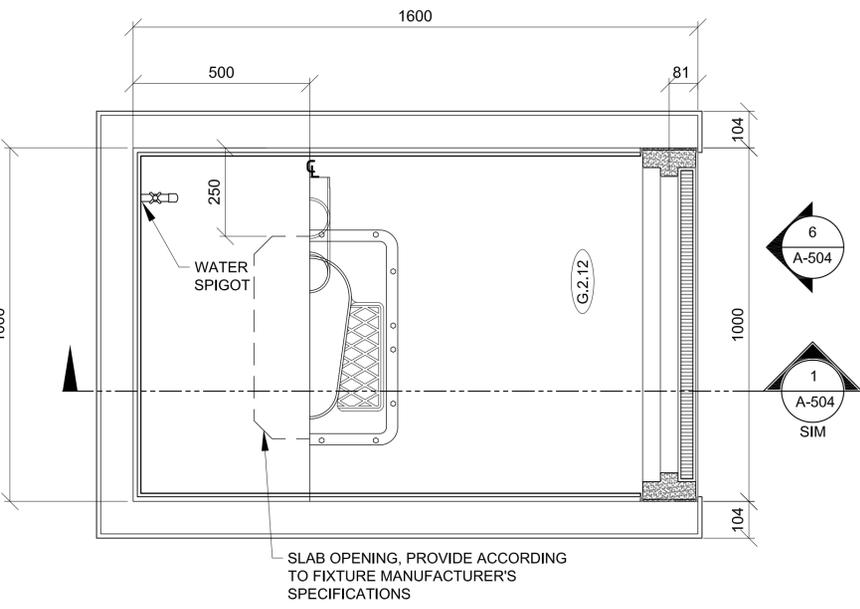
**3 MOUNTING DETAIL**  
A-504 SCALE: 1:10



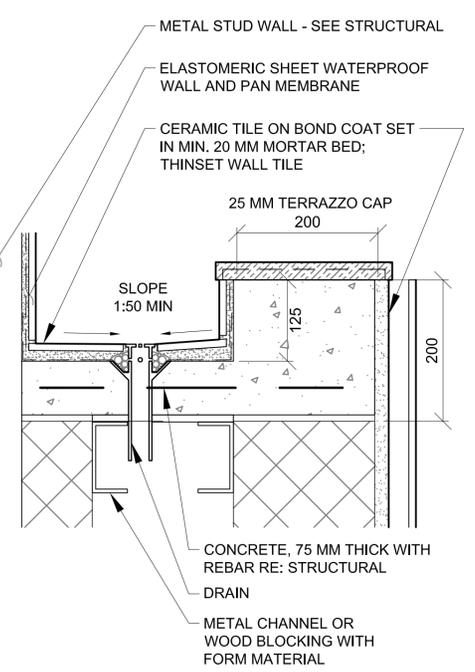
**2 TOILET DETAIL**  
A-504 SCALE: 1:10



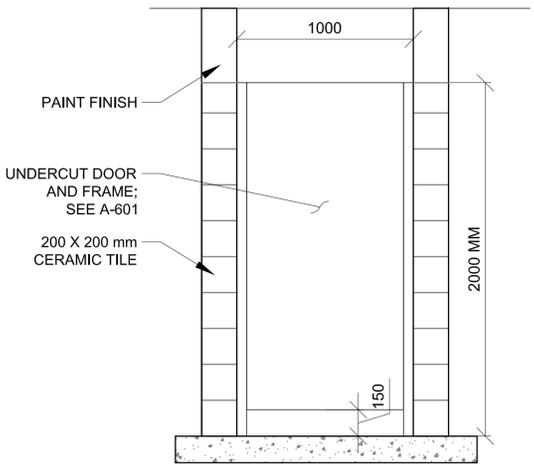
**4 TROUGH SECTION**  
A-504 SCALE: 1:10



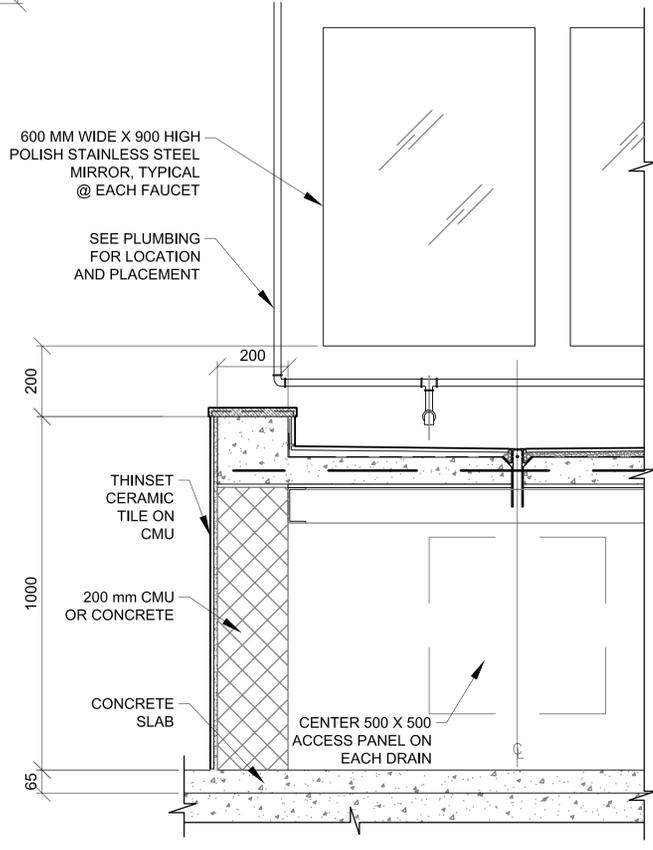
**2A TOILET DETAIL**  
A-504 SCALE: 1:10



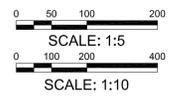
**5 ENLARGED TROUGH DETAIL**  
A-504 SCALE: 1:5



**6 TOILET PARTITION DOOR ELEVATION**  
A-504 SCALE: 1:20



**7 TROUGH SECTION**  
A-504 SCALE: 1:10



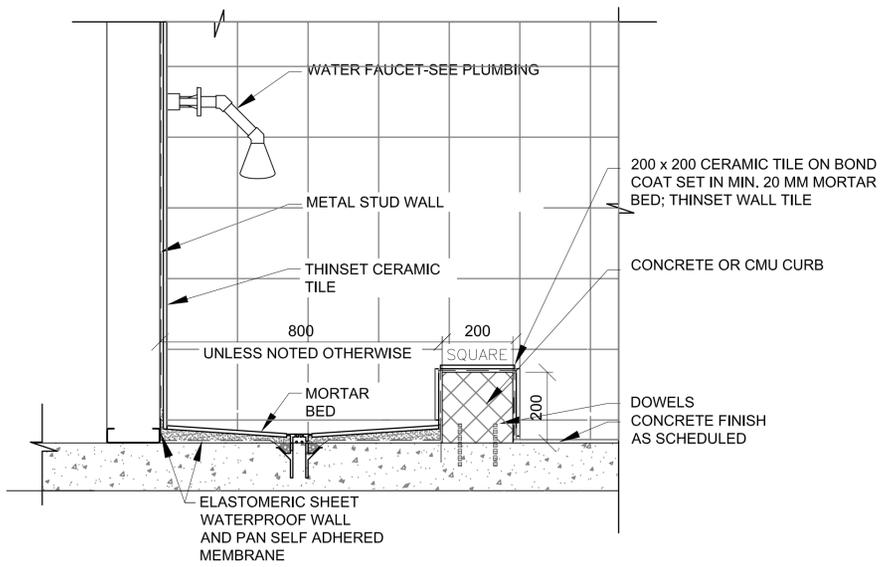
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DWN BY:	SE. MDH. AH
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PLOT SCALE:	VARIABLE
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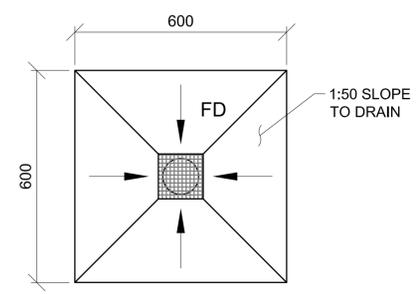
U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
TOILET & LAVATORY DETAILS

SHEET REFERENCE NUMBER:  
**A-504**



1 MOP SINK DETAIL  
A-505 SCALE: 1:5



2 FLOOR DRAIN DETAIL  
A-505 SCALE: 1:5



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LINEAR DIMENSIONS  
SHOWN ARE IN MILLIMETERS.



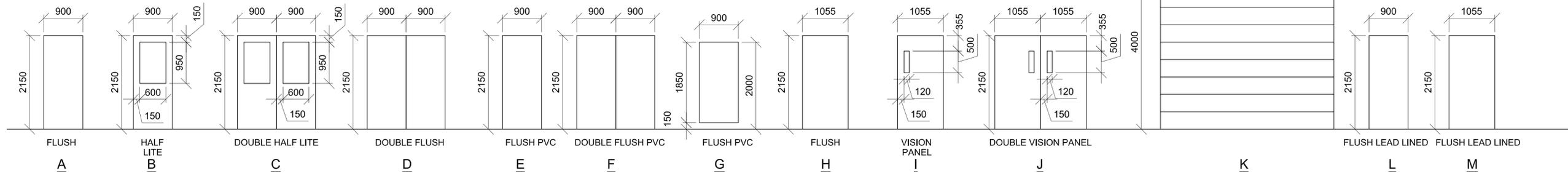
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PLOT SCALE:	VARIES	SUBMITTED BY:	BAKER
PLOT DATE:	3/24/2011		

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

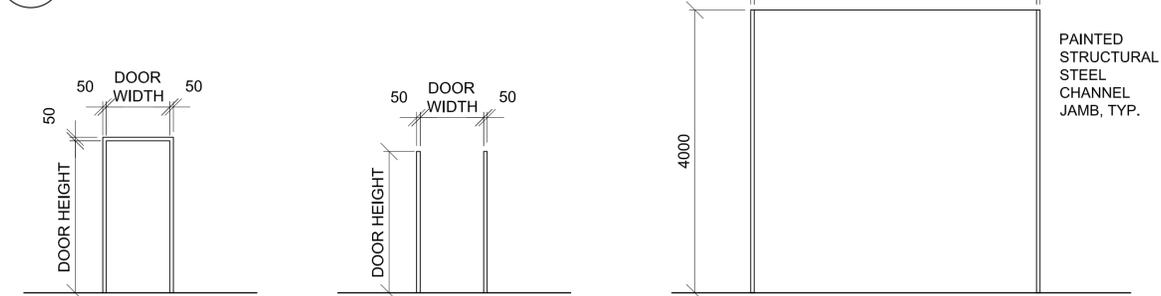
SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
DETAILS

SHEET  
REFERENCE  
NUMBER:  
**A-505**



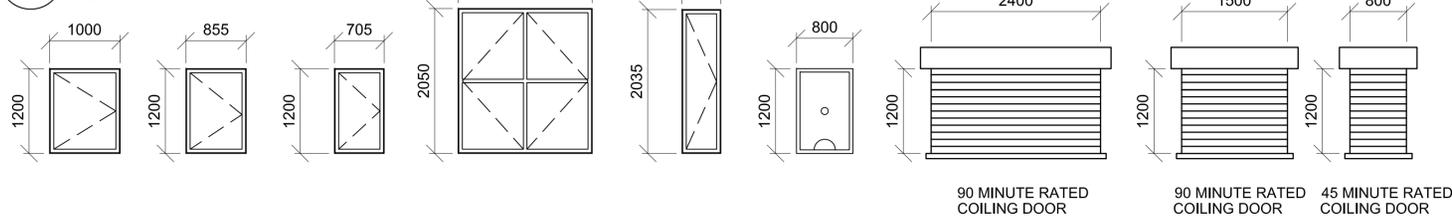
**1 DOOR TYPES**

A-601 SCALE: 1:50



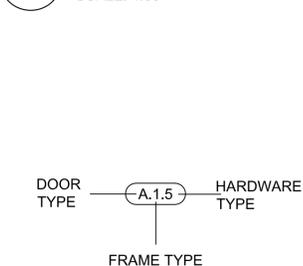
**2 FRAME TYPES**

A-601 SCALE: 1:50



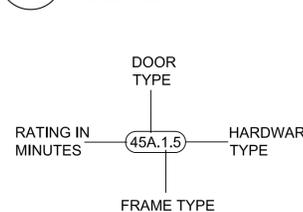
**3 WINDOW TYPES**

A-601 SCALE: 1:50



**4 DOOR TAG**

A-601 SCALE: 1:50



**5 RATED DOOR TAGS**

A-601 SCALE: NTS

**WINDOW TYPE NOTES:**

- ALL EXTERIOR WINDOWS SHALL BE STEEL. PROVIDE INSECT SCREENS ONLY AT DFAC FACILITIES. WINDOWS SHALL BE COMMERCIAL GRADE.
- ALL EXTERIOR WINDOWS SHALL BE OPERABLE.
- WINDOWS IN LATRINES OR RESTROOM AREAS SHALL HAVE OBSCURE GLASS.
- WINDOW TYPES ARE NOT APPLICABLE AT ALL BUILDINGS. SEE FLOOR PLAN FOR REQUIREMENTS

**DOOR TAG NOTES:**

- THE DOOR TAG INDICATES THE DOOR TYPE, FRAME TYPE AND HARDWARE SET FOR EACH DOOR.
- THE DOOR TAG FOR RATED DOORS INCLUDES THE RATING OF THE DOOR IN MINUTES.
- REFER TO FLOOR PLANS FOR DOOR TAG INFORMATION APPLICABLE TO EACH DOOR.

**DOOR AND HARDWARE NOTES:**

- INTERIOR AND EXTERIOR METAL DOORS AND FRAME COLORS SHALL MATCH ADJACENT WALL COLORS AS SELECTED BY THE CONTRACTING OFFICER.
- FRAMES, EXCEPT FIRE-RATED FRAMES, SHALL BE MOUNTED AND ADJUSTED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FRAMES SHALL BE FASTENED WITH MINIMUM OF THREE ANCHORS PER JAMB AT EQUAL INTERVALS.
- DIMENSIONS SHOWN ON DOOR TYPES DETAIL ARE BASED UPON MODULAR MASONRY (OR ROUGH OPENING), HEIGHT OF 2150 MM FOR STANDARD PERSONNEL DOORS. CONTRACTOR SHALL COORDINATE WITH DOOR SUPPLIER TO ENSURE THAT DIMENSIONS OF DOORS AND FRAMES PROVIDED ARE COMPATIBLE WITH DOOR OPENING DIMENSIONS.
- HARDWARE SHALL BE HEAVY DUTY, COMMERCIAL GRADE, STAINLESS STEEL WITH A SATIN OR BRUSHED FINISH.
- HARDWARE TYPES INCLUDE BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BMHA) NUMBER.
- DOORS IN 2 HOUR RATED PARTITIONS SHALL BE 1.5 HOUR (90 MINUTE) RATED DOORS IN ACCORDANCE WITH NFPA 101, TABLE 8.3.4.2.
- DOORS IN 1 HOUR RATED WALLS SHALL BE 3/4 HOUR (45 MINUTE) RATED DOORS IN ACCORDANCE WITH NFPA 101, TABLE 8.3.4.2.
- DOORS IN 1 HOUR RATED CORRIDOR WALLS SHALL BE 1/3 HOUR (20 MINUTE) IN ACCORDANCE WITH NFPA 101, TABLE 8.3.4.2.
- PROVIDE DOOR STOPS TO PROTECT WALLS ON LOCATIONS WHERE DOOR SWING WILL STRIKE WALL.
- FIRE RATED DOORS SHALL HAVE RATED GLASS NOT EXCEEDING ALLOWABLE SIZE PER NFPA 80. (836,125MM<sup>2</sup> FOR MIN. DOORS & 64,500MM<sup>2</sup> FOR 45 MIN OR GREATER DOORS)
- DOOR TYPES ARE NOT APPLICABLE AT ALL BUILDINGS. SEE FLOOR PLAN FOR REQUIREMENTS
- REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF UNDERCUT DOORS

**EXTERIOR DOOR HARDWARE TYPES:**

- HW-1 1-1/2 PR HINGES, A5112 114 X 114 (SINGLE EXIT DOOR)
  - 1 EA RIM EXIT DEVICE, TYPE 1
  - 1 EA CYLINDER, E09221A, GRADE 1
  - 1 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE
  - 1 EA THRESHOLD, J32130
  - 3 EA DOOR SILENCERS, L03011
- HW-2 1-1/2 PR HINGES, A5112 114 X 114 (SINGLE ENTRY DOOR)
  - 1 EA LOCKSET, F13 ENTRY LOCK W/LEVER HANDLES, GRADE 1
  - 1 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE
  - 1 EA THRESHOLD, J32130
  - 3 EA DOOR SILENCERS, L03011
- HW-3 3 PR HINGES, A5112 114 X 114 (DOUBLE EXIT DOOR)
  - 2 EA RIM EXIT DEVICE, TYPE 1
  - 2 EA CYLINDER, GRADE 1
  - 2 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE
  - 1 EA DOOR COORDINATOR, TYPE 21
  - 1 EA ASTRAGAL
  - 1 EA THRESHOLD, J32130
  - 2 EA DOOR SILENCERS, L03011
- HW-4 3 PR HINGES, A5112 114 X 114 (DOUBLE DOOR DORMITORY FUNCTION)
  - 1 EA LOCKSET W/LEVER HANDLES, GRADE 1, F13
  - 1 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE
  - 2 EA MAGNETIC HOLDER PIN, ATTACHED TO DOOR LEAF
  - 2 EA MAGNETIC HOLDER RECEIVER, ATTACHED TO STOOP
  - 2 EA LEVER EXTENSION FLUSH BOLTS, L04081
  - 1 EA ASTRAGAL
  - 1 EA THRESHOLD, J32130
  - 2 EA DOOR SILENCERS, L03011

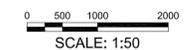
**INTERIOR DOOR HARDWARE TYPES:**

- HW-8 1-1/2 PR HINGES, A8112 (SINGLE JAN/STOREROOM FUNCTION)
  - 1 CLOSER
  - 1 EA LOCKSET W/LEVER HANDLES, F07 GRADE 1
  - 1 EA WALL STOP, L02101 OR L02161
  - 2 EA MOP PLATE, J103
  - 3 EA DOOR SILENCERS, L03011
- HW-9 1-1/2 PR HINGES, A5112 114 X 114 (SINGLE EXIT DOOR)
  - 1 EA RIM EXIT DEVICE, TYPE 1
  - 1 EA CYLINDER, E09221A, GRADE 1
  - 1 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE
  - 3 EA DOOR SILENCERS, L03011
- HW-10 3 PR HINGES, A5112 114 X 114 (DOUBLE STOREROOM FUNCTION)
  - 1 EA LOCKSET W/LEVER HANDLES, GRADE 1, F7
  - 2 EA LEVER EXTENSION FLUSH BOLTS, L04081
  - 1 EA ASTRAGAL
  - 2 EA DOOR SILENCERS, L03011
- HW-11 1-1/2 PR HINGES, A8112 114 X 114 (SINGLE DORMITORY FUNCTION)
  - 1 EA LOCKSET W/LEVER HANDLES, F13, GRADE 1
  - 1 EA WALL STOP, L02101 OR L02161
  - 1 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE
  - 3 EA DOOR SILENCERS, L03011
  - 1 EA ROBE HOOK
- HW-12 1-1/2 PR HINGES, A8133 (SINGLE PRIVACY-BATH FUNCTION)
  - 1 EA LATCH SET W/LEVER HANDLES, F22 GRADE 1
  - 1 EA WALL STOP, L02101 OR L02161
  - 3 EA DOOR SILENCERS, L03011
  - 1 EA ROBE HOOK
- HW-13 3 PR HINGES, A5112 114 X 114 (DOUBLE DORMITORY FUNCTION)
  - 1 EA LOCKSET W/LEVER HANDLES, GRADE 1, F13
  - 1 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE
  - 2 EA LEVER EXTENSION FLUSH BOLTS, L04081
  - 1 EA ASTRAGAL
  - 2 EA DOOR SILENCERS, L03011

**INTERIOR DOOR HARDWARE TYPES:**

- HW-5 1-1/2 PR HINGES, A8133 114 X 114 (SINGLE FRONT DOOR FUNCTION)
  - 1 EA LOCKSET W/LEVER HANDLES, F08, GRADE 1
  - 1 EA WALL STOP, L02101 OR L02161
  - 3 EA DOOR SILENCERS, L03011
- HW-5A 1-1/2 PR HINGES, A8133 114 X 114 (SINGLE OFFICE FUNCTION)
  - 1 CLOSER
  - 1 EA LOCKSET W/LEVER HANDLES, F05, GRADE 1
  - 1 EA WALL STOP, L02101 OR L02161
  - 3 EA DOOR SILENCERS, L03011
- HW-6 1-1/2 PR HINGES, A8112 114 X 114 (SINGLE STOREROOM FUNCTION)
  - 1 CLOSER
  - 1 EA LOCKSET W/LEVER HANDLES, F07, GRADE 1
  - 1 EA WALL STOP, L02101 OR L02161
  - 3 EA DOOR SILENCERS, L03011
- HW-7 1-1/2 PR HINGES, A8133 (SINGLE PASSAGE FUNCTION)
  - 1 CLOSER
  - 1 EA LOCKSET W/LEVER HANDLES, F01 GRADE 1
  - 1 EA WALL STOP, L02101 OR L02161
  - 2 EA MOP PLATE, J103
  - 3 EA DOOR SILENCERS, L03011
- HW-7A 1-1/2 PR HINGES, A8133 (SINGLE PASSAGE FUNCTION)
  - 1 CLOSER
  - 1 EA LOCKSET W/LEVER HANDLES, F01 GRADE 1
  - 1 EA WALL STOP, L02101 OR L02161
  - 3 EA DOOR SILENCERS, L03011
- HW-14 3 PR HINGES, A5112 114 X 114 (DOUBLE EGRESS EXIT DOOR)
  - 2 EA VERTICAL ROD EXIT DEVICE, TYPE 1
  - 2 EA CYLINDER, GRADE 1
  - 2 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE
  - 1 EA DOOR COORDINATOR, TYPE 21
  - 1 EA ASTRAGAL
  - 2 EA DOOR SILENCERS, L03011
- HW-15 3 PR HINGES, A5112 114 X 114 (DOUBLE STOREROOM FUNCTION)
  - 2 CLOSERS
  - 1 COORDINATOR
  - 1 EA LOCKSET W/LEVER HANDLES, GRADE 1, F7
  - 2 EA LEVER EXTENSION FLUSH BOLTS, L04081
  - 1 EA ASTRAGAL
  - 2 EA DOOR SILENCERS, L03011

THIS SHEET IS STANDARD AND IS INCLUSIVE OF ALL THE DOOR/ WINDOW/ HARDWARE TYPES FOR THE ENTIRE CONTRACT. NOT ALL DOOR/ WINDOW/ HARDWARE TYPES ARE USED FOR ANY PARTICULAR BUILDING DESIGN. CONTRACTOR SHALL REFER TO THE FLOOR PLAN FOR THE TYPES BEING USED.



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



NO.	DATE	APPR.	SYMBOL	DESCRIPTION

DATE:	3-24-2011	REV:	0
CONTRACT NO.:	W912ER-09-D-0002	DESIGNED BY:	PGS. SE. MR
DRAWING CODE:		CKD BY:	SE. MDH. AH
FILE NAME:		REVIEWED BY:	
PLOT SCALE:	1:50	SUBMITTED BY:	BAKER
PLOT DATE:	3/24/2011		

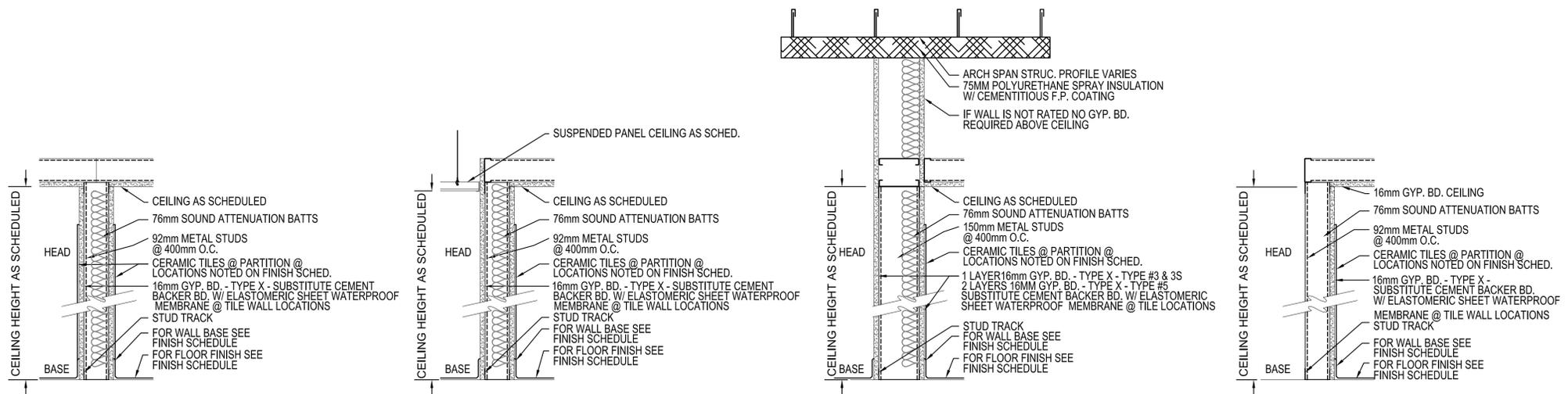
U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
WINDOW AND DOOR SCHEDULES

SHEET REFERENCE NUMBER:  
**A-601**



US ARMY CORPS OF ENGINEERS  
AFGHANISTAN NORTH DISTRICT



**1** TYPE #1 - 1 HOUR FIRE RATED & NON-RATED  
DESIGN NO. U419 OR U442  
DESIGN NO. WHI 694-0300.1 (SIM)

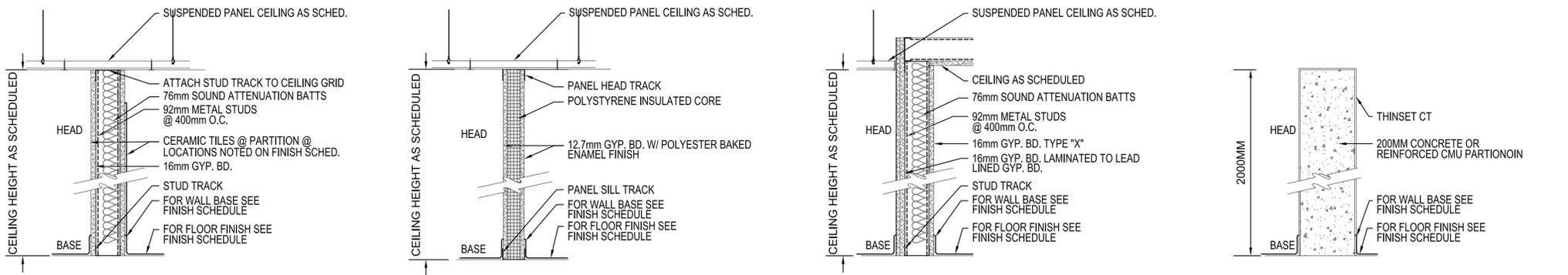
**2** TYPE #2 - 1 HOUR FIRE RATED & NON-RATED  
DESIGN NO. U419 OR U442/WALL  
DESIGN NO. WHI 694-0300.1 (SIM)

**3** TYPE #3 - 1 HOUR FIRE RATED  
DESIGN NO. U419  
DESIGN NO. WHI 694-0300.1 (SIM)

**3S** TYPE #3S - 1 HOUR FIRE & SMOKE RATED  
DESIGN NO. U419  
DESIGN NO. WHI 694-0300.1 (SIM)

**5** TYPE #5 - 2 HOUR FIRE RATED - PROVIDE 150 MM METAL STUDS @ PARTITION TYPES 5 IN LIU OF 92 MM STUDS  
DESIGN NO. U443  
DESIGN NO. WHI 694-0300.1 (SIM)

**4** TYPE #4 - CHASE PARTITION



**6** TYPE #6 - KITCHEN PARTITION

**7** TYPE #7 - PANELIZED PARTITION

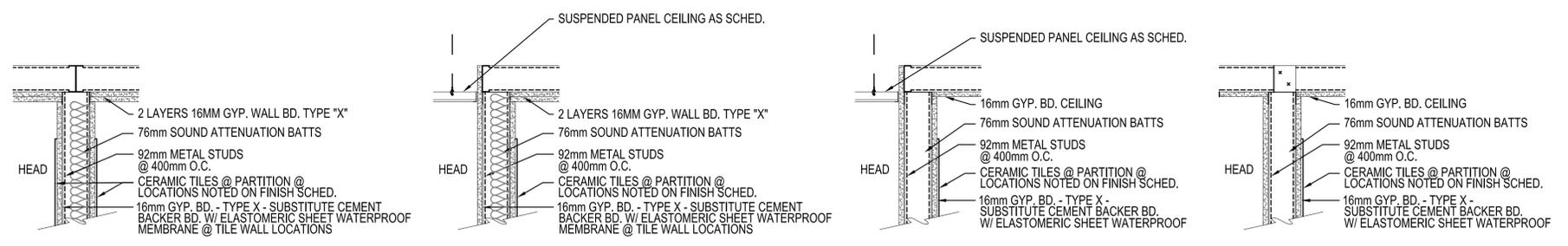
**8** TYPE #8 - LEAD LINED PARTITION

**9** TYPE #9 - LOW WALL

**1** PARTITION TYPES  
A-602 SCALE: 1:10

**GENERAL NOTES:**

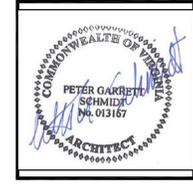
- REFER TO DRAWING G-003 FOR LOCATION OF FIRE RATED WALLS & FIRE RESISTANT CEILINGS.
- REFER TO FINISH SCHEDULE FOR LOCATION OF CERAMIC TILE WALL FINISH. AT THESE LOCATION SUBSTITUTE CEMENT BACKER BOARD AND ELASTOMERIC SHEET WATER PROOF MEMBRANE WITH THINSET CERAMIC TILE FOR GYPSUM BOARD AND PAINT FINISH TO C.T. HEIGHT.
- REFER TO 6/A-501 FOR TYPE 3, 3S, & 5 BRACING DETAIL. INTERMEDIATE HT. BRACING DETAIL FOR FULL HT. WALLS WHERE APPLICABLE.
- PARTITION TYPES ARE NOT APPLICABLE AT ALL BUILDINGS. SEE FLOOR PLAN & NOTES FOR REQUIRED TYPES
- SEE COLD FORMED FRAMING NOTES PORTION OF STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION



**2** FIRE RESISTANT CEILING CONDITIONS  
A-602 SCALE: 1:10

**3** NON-RATED CEILING CONDITIONS  
A-602 SCALE: 1:10

SCALE: 1:10  
UNLESS OTHERWISE NOTED,  
LINEAR DIMENSIONS  
SHOWN ARE IN MILLIMETERS.



REV.	DATE	DESCRIPTION
0		

DATE:	3-24-2011
CONTRACT NO.:	W912ER-09-D-002
DRAWING CODE:	
FILE NAME:	AFGHANISTAN NORTH DISTRICT
PLOT DATE:	3/24/2011

DESIGNED BY:	PKS, SE, MR
CHKD BY:	SE, MD, AH
REVIEWED BY:	
SUBMITTED BY:	BAKER

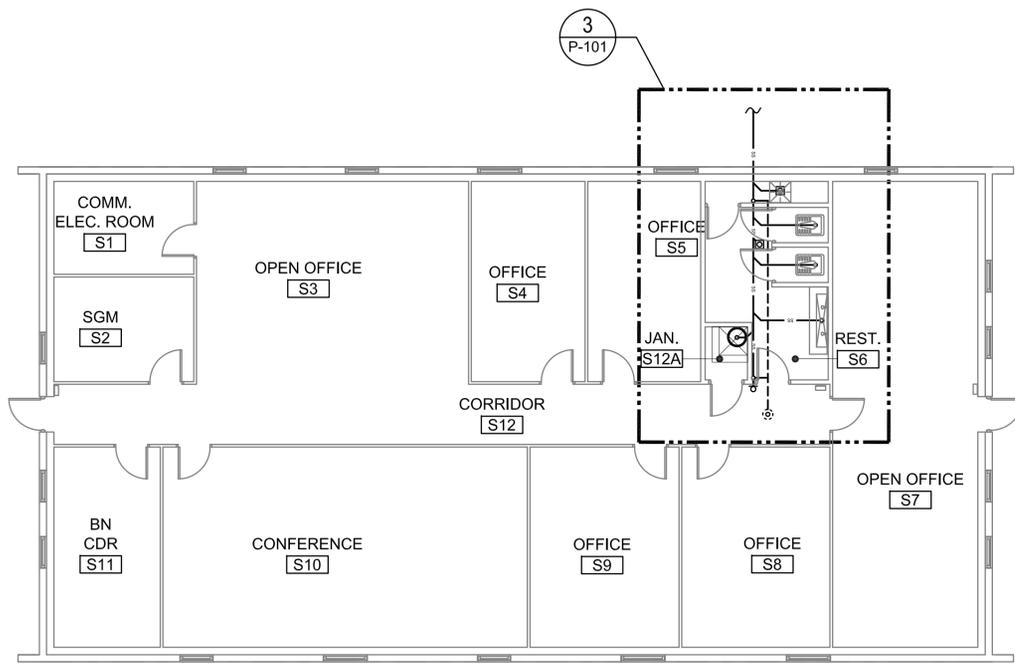
U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09356

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
PARTITION TYPES

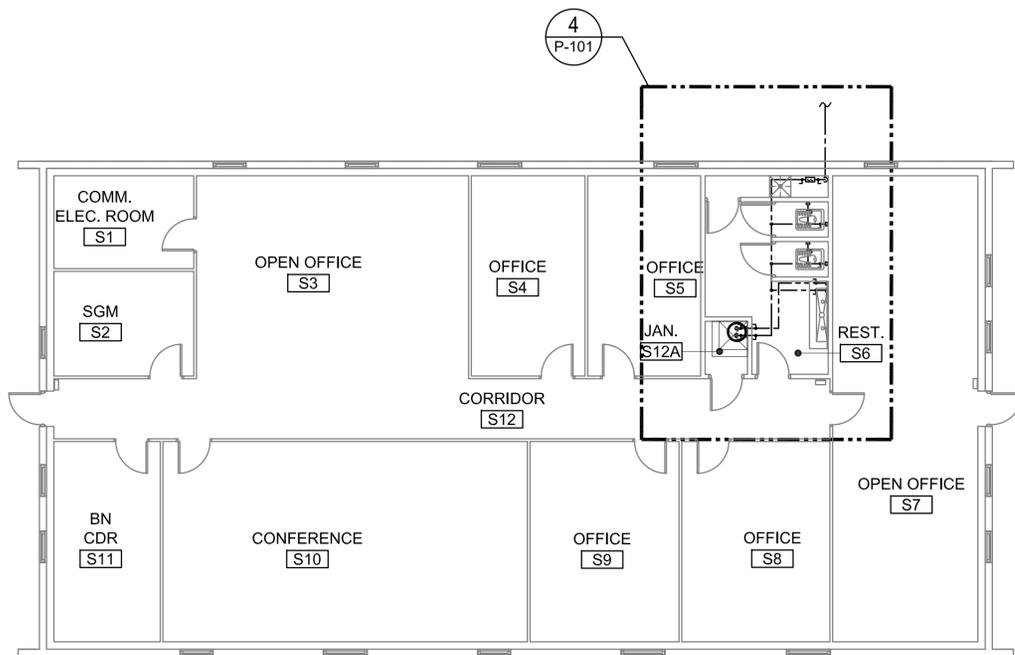
SHEET REFERENCE NUMBER:  
**A-602**



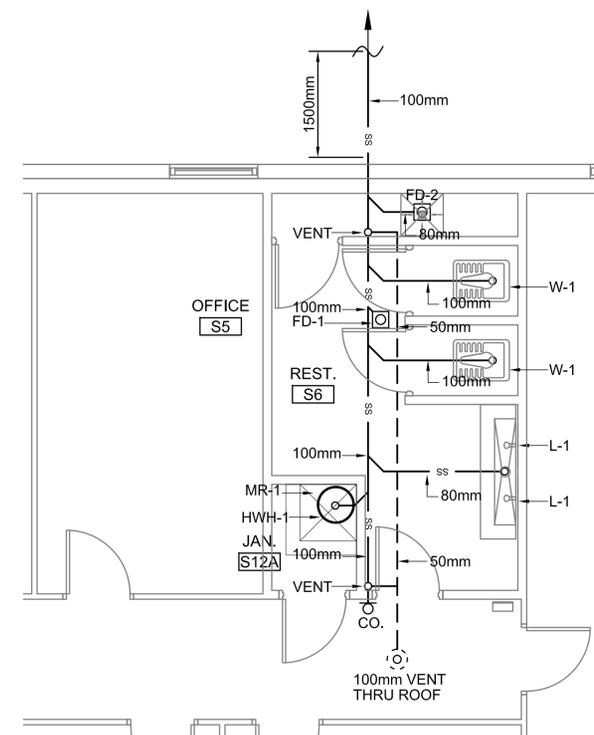




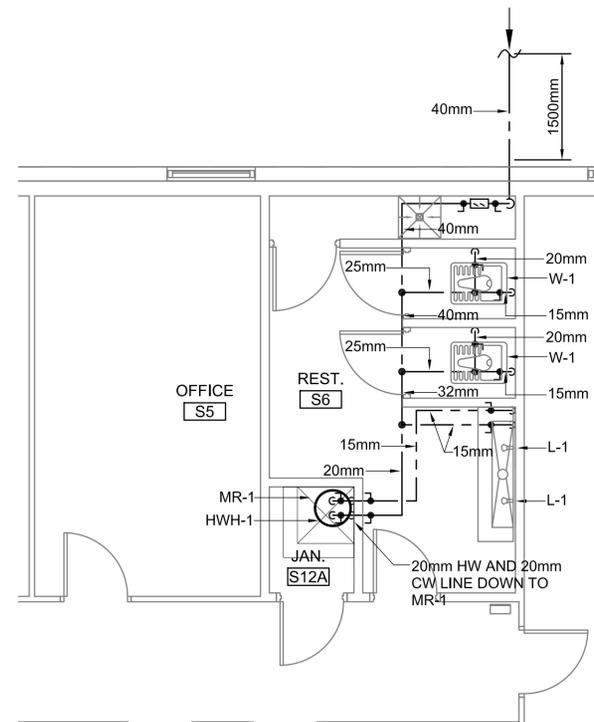
1 FLOOR PLAN - PLUMBING (SANITARY)  
P-101 1:100



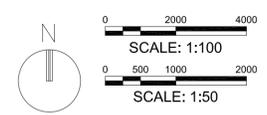
2 FLOOR PLAN - PLUMBING (WATER)  
P-101 1:100



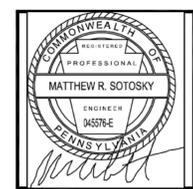
3 ENLARGED FLOOR PLAN - PLUMBING (SANITARY)  
P-101 1:50



4 ENLARGED FLOOR PLAN - PLUMBING (WATER)  
P-101 1:50



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



SYMBOL	DESCRIPTION	DATE	APPR.	SYMBOL	DESCRIPTION	DATE	APPR.

DESIGNED BY: RWH	CKD BY: CJM III	REVIEWED BY:	SUBMITTED BY: <b>BAKER</b>
DATE: 3-24-2011	CONTRACT NO. W912ER-09-D-002	FILE NAME: A00000000000000000000	PLOT DATE: 3-24-2011
DRAWING CODE:	PLOT SCALE: VARIES	REV:	0

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

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
FLOOR PLAN - PLUMBING ( SANITARY & WATER)  
ENLARGED FLOOR PLAN - PLUMBING ( SANITARY & WATER)

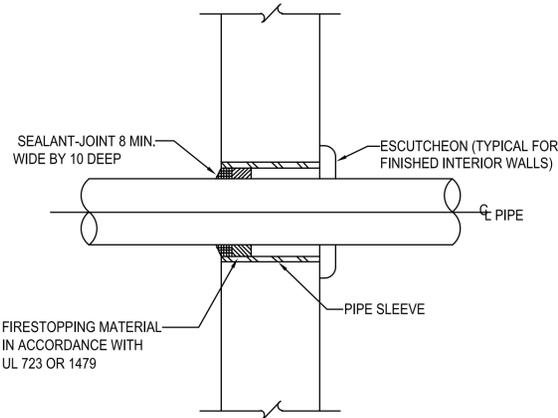
SHEET REFERENCE NUMBER:  
**P-101**

3/24/2011 1:35 PM

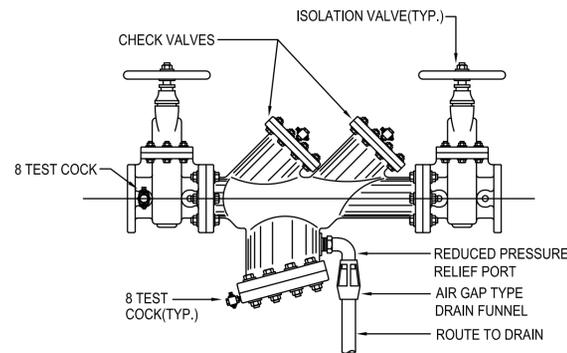
PLUMBING FIXTURE LIST SCHEDULE							
TYPE	ITEM	SOIL & WASTE	VENT	COLD WATER	HOT WATER	REMARKS	REMARKS 2
W-1	EASTERN STYLE WATER CLOSET	100mm	50mm	15mm	-----	FLUSH TANK	-----
L-1	TROUGH	80mm	40mm	15mm	15mm	FABRICATED IN FIELD	-----
MR-1	MOP RECEPTOR	80mm	---	20mm	20mm	FABRICATED IN FIELD	DRAIN AND CONTROLS
FD-1/FD-2	FLOOR DRAIN	100mm	---	---	---	SLOPE FLOOR TO DRAIN	-----

ELECTRIC WATER HEATER SCHEDULE												
MARK	MANUF	LOCATION	STORAGE (Ltr)	PHYSICAL SIZE	RECOVERY Ltr/H	TEMP RISE °C	SET POINT °C	HOT & COLD CONN	TOTAL KW	VOLTS/ PHASE/ HERTZ	REMARKS	REMARKS 2
HWH-1	A.O. SMITH	JAN. S12A	40	667mm x 476mmØ	132	10	49	20mm HW 20mm CW	6	380/3/50	MOUNT ON PLATFORM ABOVE MOP RECEPTOR	EXTEND DRAIN LINE FROM T&P VALVE TO MOP RECEPTOR

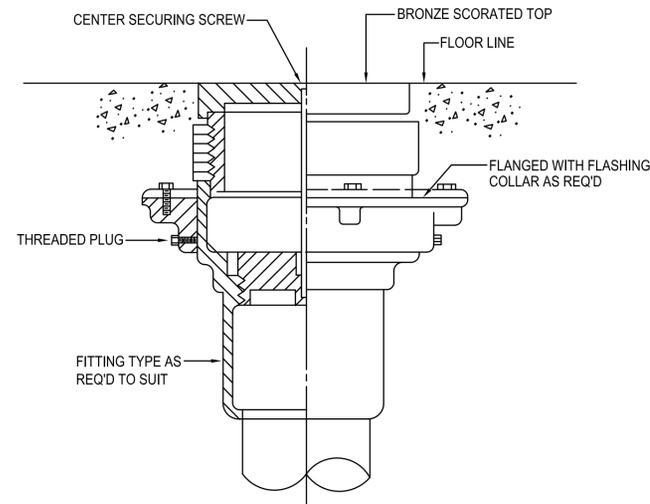
EXPANSION TANK SCHEDULE						
MARK	MANUF	MODEL NO.	LOCATION	STORAGE (Ltr)	OPERATING TEMP. °C	REMARKS
ET-1	AMTROL	ST-5-C	JAN. S12A	8	49°	



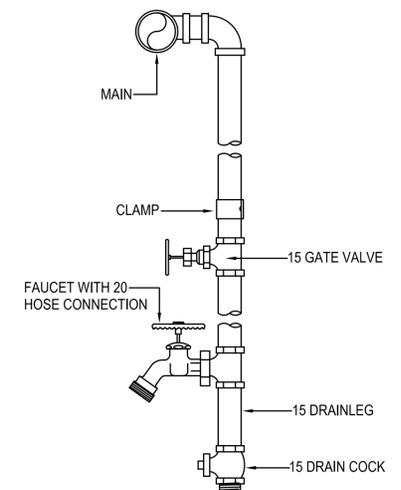
TYPICAL WALL PENETRATION DETAIL 1  
SCALE: NONE P-501



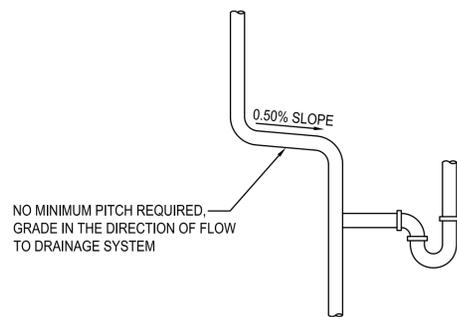
TYPICAL BACKFLOW PREVENTER DETAIL 2  
SCALE: NONE P-501



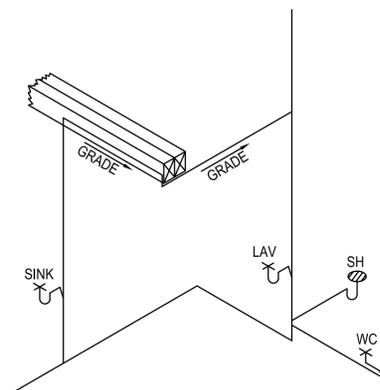
TYPICAL FLOOR CLEANOUT DETAIL 3  
SCALE: NONE P-501



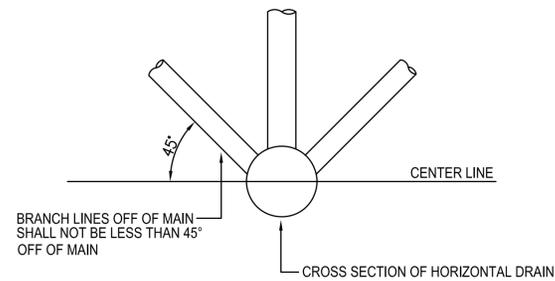
TYPICAL WATER DROP DETAIL 4  
SCALE: NONE P-501



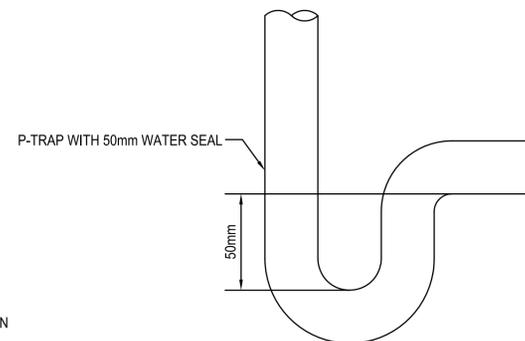
TYPICAL VENT GRADE DETAILS 5  
SCALE: NONE P-501



TYPICAL VENT GRADE DETAILS 6  
SCALE: NONE P-501

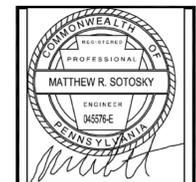


ACCEPTABLE VENT CONNECTIONS TO HORIZONTAL DRAIN - DETAIL 7  
SCALE: NONE P-501



P-TRAP WITH 50mm WATER SEAL DETAIL 8  
SCALE: NONE P-501

UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



U.S. ARMY CORPS OF ENGINEERS  
AFGHANISTAN NORTH DISTRICT

REV.	DATE	SYMBOL	DESCRIPTION
0			

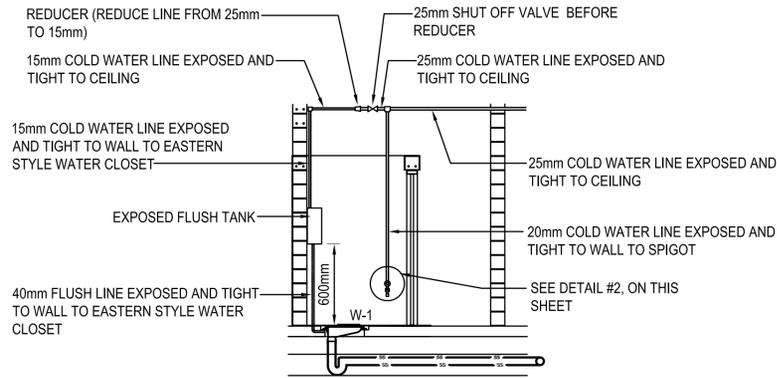
DATE: 3-24-2011  
CONTRACT NO: W912ER-09-D-0002  
DRAWING CODE:  
FILE NAME:   
PLOT SCALE: NONE  
PLOT DATE: 3-24-2011

DESIGNED BY: RWJ  
CHKD BY: CJM III  
REVIEWED BY:  
SUBMITTED BY: BAKER

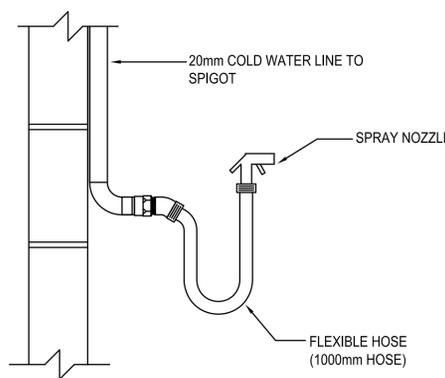
U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
CORPS OF ENGINEERS  
APO AE 09366

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
PLUMBING SCHEDULES AND DETAILS

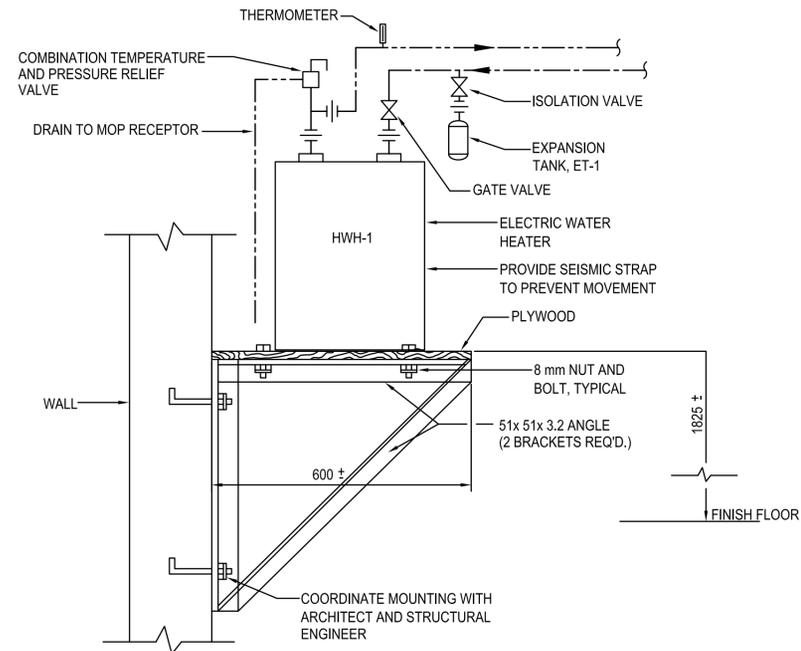
SHEET REFERENCE NUMBER:  
**P-501**



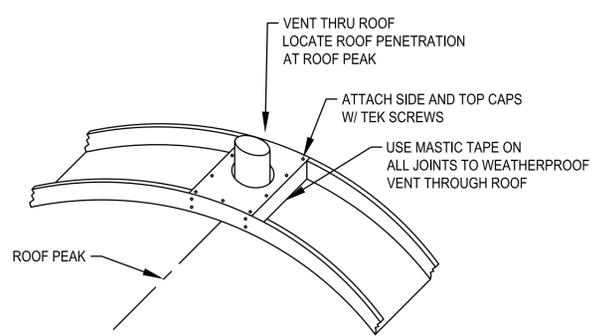
**TYPICAL EASTERN STYLE WATER CLOSET SANITARY AND WATER INSTALLATION SCHEMATIC** 1  
P-502  
SCALE: NONE



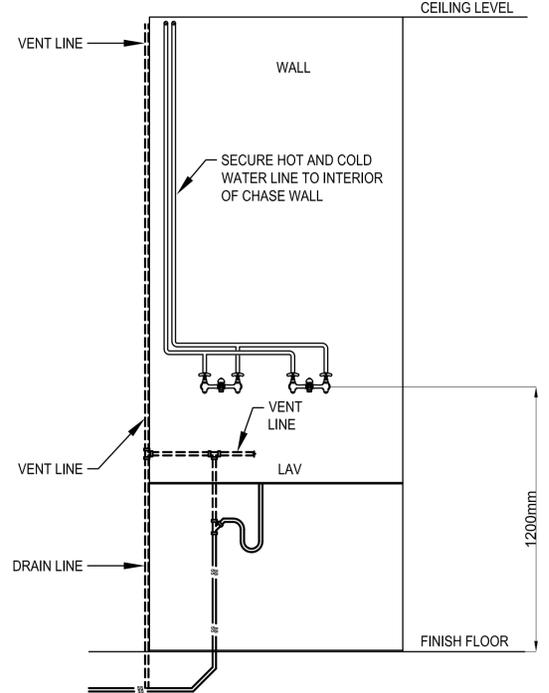
**TYPICAL DETAIL - SPIGOT, FLEXIBLE HOSE, AND SPRAY NOZZLE** 2  
P-502  
SCALE: NONE



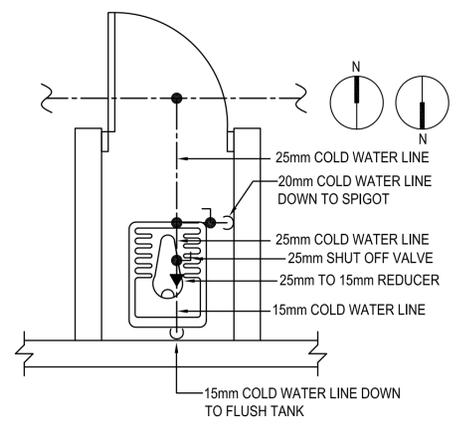
**WALL MOUNTED ELECTRIC WATER HEATER SCHEMATIC** 3  
P-502  
SCALE: NONE



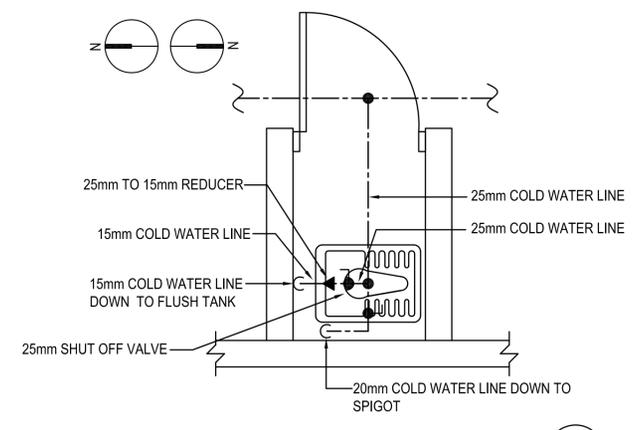
**TYPICAL VENT THRU ROOF DETAIL** 4  
P-502  
SCALE: NONE



**LAVATORY ELEVATION PLAN - PLUMBING** 5  
P-502  
SCALE: NONE



**TYPICAL EASTERN STYLE WATER CLOSET WITH SPIGOT WATER PIPING DETAIL** 6  
P-502  
SCALE: NONE



**TYPICAL EASTERN STYLE WATER CLOSET WITH SPIGOT WATER PIPING DETAIL** 7  
P-502  
SCALE: NONE

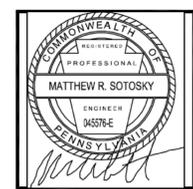


SYMBOL	DESCRIPTION	DATE	APPR.	DATE	APPR.

DATE:	3-24-2011	REV:	0
CONTRACT NO.:	W912ER-09-D-0002	DESIGNED BY:	RWH
DRAWING CODE:	CJM III	DWN BY:	RWH
FILE NAME:	AD23-ADMIN BUILDING - ARCH SPAN	REVIEWED BY:	
PLOT SCALE:	NONE	SUBMITTED BY:	BAKER
PLOT DATE:	3/24/2011		

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

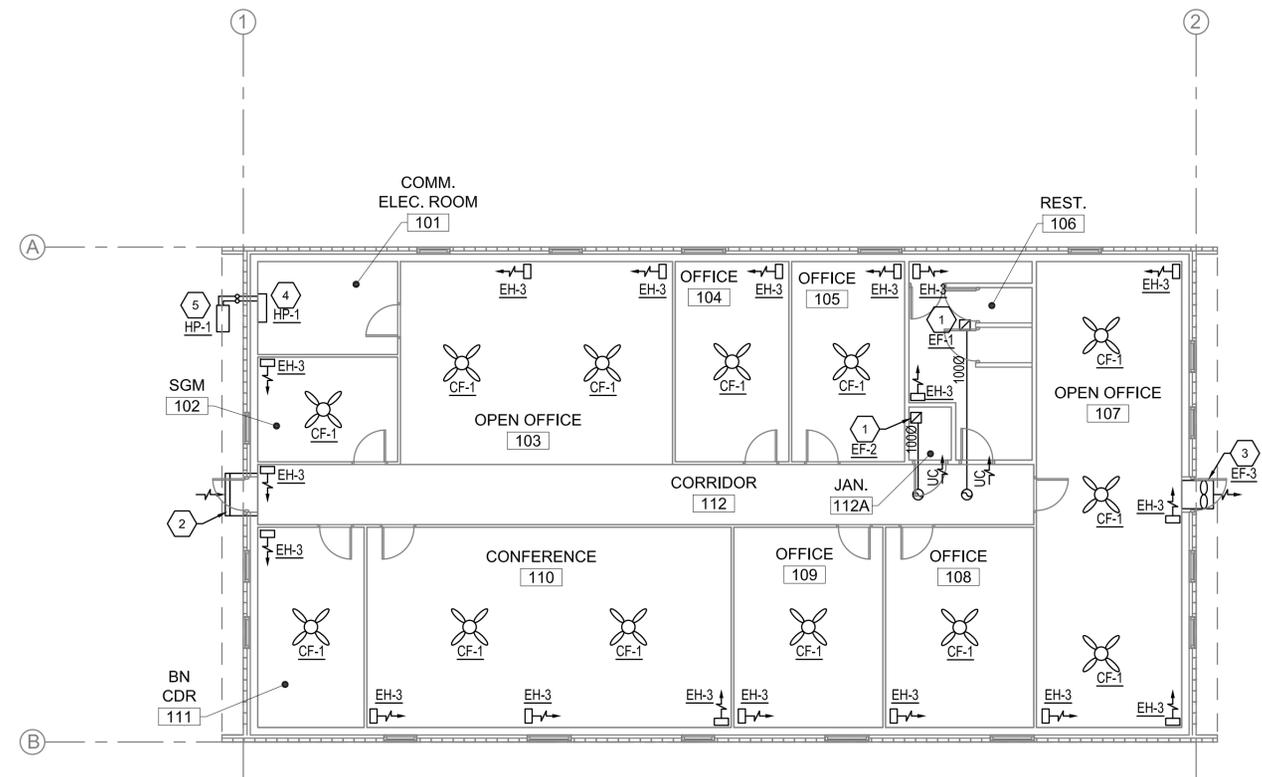
SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
PLUMBING DETAILS



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.

SHEET REFERENCE NUMBER:  
**P-502**





1 HVAC - FLOOR PLAN  
M-101 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.
- COORDINATE ALL EQUIPMENT LOCATIONS WITH EQUIPMENT SHOWN ON OTHER DRAWINGS. VERIFY FINAL LOCATIONS IN FIELD.

**SYMBOLS:**

- KEY NOTE
- AIR VOLUME IN LITERS PER SECOND (LPS)
- DOOR UNDERCUT 25mm
- SINGLE POLE SWITCH FOR EXHAUST FAN - 20A RATED
- THREE POLE SWITCH FOR EXHAUST FAN - 20A RATED
- ELECTRIC HEATER
- CEILING FAN
- DIRECTION OF AIR FLOW

**ABBREVIATIONS:**

- AFF ABOVE FINISH FLOOR
- CF CEILING FANS
- LPS LITERS PER SECOND
- EF EXHAUST FAN
- EH ELECTRIC HEATER
- STATS THERMOSTATS
- TYP TYPICAL

**KEY NOTES:**

- CEILING MOUNTED EXHAUST FAN WITH DUCT EXTENDED UP TO RIDGE AND OUT THROUGH ROOF PENETRATION. PREPARE ROOF PENETRATION AND FLASH AS RECOMMENDED BY BUILDING MANUFACTURER. SEE ROOF DETAIL ON SHEET M-501.
- 1050x1350 (41x53) INTAKE LOUVER WITH MOTOR OPERATED DAMPER INTERLOCKED WITH ATTIC FAN. LOUVER LOCATED AS HIGH AS POSSIBLE IN ATTIC SPACE. SEE DETAIL ON SHEET M-501.
- 787mm (31"sq) WALL MOUNTED ATTIC EXHAUST FAN INTERLOCKED WITH FAN BOX MOUNTED STAT. MOUNT FAN AS HIGH AS POSSIBLE IN ATTIC. SEE DETAIL THIS SHEET.
- HEAT PUMP INDOOR UNIT MOUNTED ON WALL 100mm BELOW CEILING. SEE DETAIL ON SHEET M-501.
- HEAT PUMP OUTDOOR UNIT MOUNTED ON CONCRETE PAD. SEE DETAIL ON SHEET M-501.

NO.	TYPE	FLOW RATE (LPS)	DRIVE	HP	SP mmH2O	ELECTRICAL DATA	SWITCH
EF-1	CEILING	70	DIRECT	FRACTIONAL	13	220/1/50	W/ LIGHTS
EF-2	CEILING	35	DIRECT	FRACTIONAL	13	220/1/50	@ WALL
EF-3	PROP	900	DIRECT	3/4	13	220/1/50	W/ STAT

- NOTES:  
1. PROVIDE BACK DRAFT DAMPER AT EACH FAN.  
2. PROVIDE ATTIC FANS WITH UNIT MOUNTED DISCONNECT SWITCH.

NO.	FLOW RATE (LPS)	CAPACITY (KW)	F.A.T. (°C)	ELECT. CHAR.	MOUNTING
EH-3	200	3	38	220/1/50	SEE DETAIL

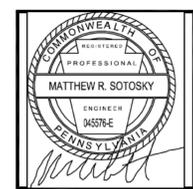
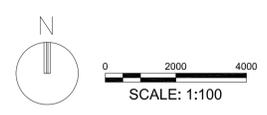
- NOTES:  
1. PROVIDE UNIT MOUNTED DISCONNECT SWITCH.  
2. PROVIDE TAMPER RESISTANT UNIT MOUNTED THERMOSTAT.

NO.	BLADE SIZE		VOLTAGE	SWITCH	REMARKS
	mm	IN			
CF-1	1320	52	220/1/50	@ WALL	3 SPEED REVERSIBLE MOTOR

- NOTES:  
1. IF FANS ARE TO BE INSTALLED IN AN AREA WITHOUT A CEILING, PROVIDE EXTENSION DOWN RODS FROM ARCH-SPAN TABS. BRACE / GUY FAN AS REQUIRED AND INSTALL FANS 2.5M AFF. IF FANS ARE TO BE MOUNTED IN AREA WITH A CEILING GRID OR HARD CEILING, MOUNT PER MANUFACTURERS RECOMMENDATIONS. SEE ELECTRICAL DRAWINGS FOR MOUNTING OPTIONS.  
2. PROVIDE WITHOUT LIGHT FIXTURE.  
3. PROVIDE WITH REMOTE MOUNTED ON-OFF SWITCH. SWITCHES ARE SHOWN ON ELECTRICAL DRAWINGS.  
4. COORDINATE CEILING FANS WITH LIGHTS, IN GENERAL FANS SHALL BE CENTERED BETWEEN LIGHTS WHEN POSSIBLE.

INDOOR UNIT										
CMS	COOLING COIL DATA				HEATING kW	ELECT. CHAR.	FLA AMP.	FUSE RATING	WEIGHT (kg)	
	E.A.T. °C	DB	WB	kW						
HP-1	0.175	35	21	2.5	3.25	2.62	220/1/50	0.30	6	9
OUTDOOR UNIT										
ELECTRICAL CHAR.	STARTING CURRENT (AMP)	RUNNING CURRENT HEAT/COOL	FUSE RATING	SYSTEM POWER INPUT (kW) HEAT/COOL	WEIGHT (kg)					
HP-1	220/1/50	4.2	4.2/3.7	16	0.801/0.616	25				

- NOTES:  
1. HEAT PUMP INDOOR UNITS SHALL HAVE INTEGRAL T-STATS.



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



REV.	DATE	DESCRIPTION
0		

DATE: 3-24-2011	REV: 0
CONTRACT NO: W912ER-09-D-0002	DESIGNED BY: RML
DRAWING CODE: C/M	DWN BY: J/JN
FILE NAME: A:\PROJECTS\AFGHANISTAN\AD23\AD23-ADMIN BUILDING - ARCH SPAN	CKD BY: J/JN
PLOT DATE: 3-24-2011	REVIEWED BY: J/H
	SUBMITTED BY: J/H

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

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
HVAC - FLOOR PLAN AND SCHEDULES

SHEET REFERENCE NUMBER:  
**M-101**



**POWER**

	DISTRIBUTION PANELBOARD
	NEW PANELBOARD - SURFACE
	NEW PANELBOARD - RECESSED
	GENERATOR
	TRANSFORMER (DRAWN TO SIZE)
	JUNCTION BOX
	JUNCTION BOX - CEILING
	FUSIBLE SAFETY SWITCH
	MOTOR
	MOTOR STARTING SWITCH - 220V, 20A RATED UNLESS OTHERWISE NOTED
	ELECTRIC WATER HEATER
	CEILING FAN - REFER TO SPECIFICATION SECTION 26 20 00

**LIGHTNING PROTECTION**

	AIR TERMINAL 20mm O.D. X 450mm SOLID COPPER, NICKEL PLATED ON ADHESIVE BASE
	EQUIPMENT AIR TERMINAL
	TEST WELL WITH GROUND ROD(S)
	GROUND ROD
	GROUND PLATE
	MAIN GROUND CONDUCTOR CONCEALED WITHIN CONSTRUCTION
	MAIN GROUND CONDUCTOR EXPOSED ON EXPOSED ON BUILDING EXTERIOR SURFACE
	GROUND CONDUCTOR CAD WELDED TO GROUND CABLE OR EQUIPMENT
	GROUND ROD TRIPOD, SPACED 3 METERS APART.
	LEVEL TO LEVEL CABLE

**TELECOMMUNICATIONS (CONTINUED)**

	COMBINATION TELEPHONE/DATA OUTLET(S) @ 45cm AFF. U.N.O. WITH 27mm RACEWAY TERMINATED TO TELEDATA TERMINAL BOARD.
	WALL MTD. TELEPHONE OUTLET WITH 20mm RACEWAY TO TELEDATA TERMINAL BOARD.
(x)T	INDICATES NUMBER OF TELEPHONE OUTLET(S) AND ASSOCIATED CABLING
(x)D	INDICATES NUMBER OF DATA OUTLET(S) AND ASSOCIATED CABLING
(x)TF	INDICATES NUMBER OF TELEPHONE OUTLETS AND ASSOCIATED CABLING WITH 1 OUTLET AND CABLE DEDICATED FOR FAX

**FIRE ALARM (CONTINUED)**

	FIRE ALARM STROBE - WALL MOUNTED
	FIRE ALARM AUDIBLE/STROBE - WALL MOUNTED
	FIRE ALARM HORN/STROBE - WALL MOUNTED
	SMOKE DETECTOR
	HEAT DETECTOR CEILING MOUNTED
	DUCT DETECTOR - PROVIDED BY EC, INSTALLED BY MC AND CONNECTED BY EC
	FIRE ALARM SPEAKER AND VISIBLE CEILING MOUNTED

**DENOTATIONS & ABBREVIATIONS (CONT.)**

TP	TAMPER PROOF
UE	UNDERGROUND ELECTRIC
W	WALL MOUNTED
WP	WEATHERPROOF WITH GROUND FAULT INTERRUPTION
WT	WATER TIGHT

**RECEPTACLES**

	DUPLEX 20A TYPE CEE 7/7 "SCHUKO STYLE" UNSWITCHED RECEPTACLE
	DUPLEX 20A TYPE CEE 7/7 "SCHUKO STYLE" UNSWITCHED RECEPTACLES - 10mA GROUND FAULT INTERRUPTER TYPE
	DUPLEX 20A TYPE CEE 7/7 "SCHUKO STYLE" UNSWITCHED TYPE WITH WEATHERPROOF COVER - 10mA GROUND FAULT INTERRUPTER TYPE
	DUPLEX 20A TYPE CEE 7/7 "SCHUKO STYLE" UNSWITCHED RECEPTACLES - EXPLOSION PROOF

\* INDICATES MOUNT DEVICE ABOVE COUNTERTOP OR AT 1070mm ABOVE FINISHED FLOOR WHERE NO COUNTER IS TO BE INSTALLED.

**LIGHTING**

	LIGHTING FIXTURE - SEE FIXTURE SCHEDULE FOR MORE INFORMATION
	EMERGENCY LIGHTING FIXTURE - SEE FIXTURE SCHEDULE FOR MORE INFORMATION
	DOWNLIGHT
	LIGHTING FIXTURE ON NORMAL/EMERGENCY
	WALL MOUNTED LIGHT FIXTURE
	EXIT SIGN - DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS
	REMOTE HEAD FOR BATTERY PACK
	SINGLE POLE SWITCH - 20A RATED
	3-WAY SWITCH - 20A RATED
	4-WAY SWITCH - 20A RATED
	LIGHTING CONTACTOR
	POLE MOUNTED SITE LIGHTING FIXTURE- NUMBER OF FIXTURES PER POLE AS INDICATED ON DRAWINGS
	EXTERIOR DIRECTIONAL LIGHTING FIXTURE
	SMALL CASE LETTERS REPRESENTS LAMP(S) / SWITCHES.

**SINGLE LINE SYMBOLS**

	SWITCH
	BREAKER
	FUSE
	TRANSFORMER
	GROUND
	CONTACT (NORMALLY OPEN)
	CONTACT (NORMALLY CLOSED)
	TRANSFER SWITCH
	CURRENT TRANSFORMER
	INDICATES NEW ELECTRICAL EQUIPMENT
	INDICATES NEW CONTROL WIRING AND CONDUIT
	EQUIPMENT OUTLINE

**DENOTATIONS & ABBREVIATIONS**

AFF	ABOVE FINISHED FLOOR
C	CEILING MOUNTED
E	EMERGENCY
EC	ELECTRICAL CONTRACTOR
EPO	EMERGENCY POWER OFF
EXP	EXPLOSION PROOF
F	FIRE ALARM
FF	FLUSH FLOOR MOUNTED
FL	FLUORESCENT
FO	FIBER OPTIC
FSS	FUSED SAFETY SWITCH
GF	GROUND FAULT INTERRUPTER
GC	GENERAL CONTRACTOR
IG	ISOLATED GROUND
K	KEY
LV	LOW VOLTAGE
M	MOTOR
MC	MECHANICAL CONTRACTOR
NE	NORMAL/EMERGENCY
NFSS	NON-FUSED SAFETY SWITCH
PA	PAGING SYSTEM
PLC	PLUMBING CONTRACTOR
SL	SINGLE LINE
T	TELEPHONE

**GENERAL PROJECT NOTES:**

G1. UNLESS OTHERWISE NOTED, PROVIDE ALL EQUIPMENT SHOWN ON THE PLANS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL SYMBOLS SHOWN ON THE PLANS WITH THE SYMBOL LIST. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE INTENT OF ANY SYMBOL THAT IS SHOWN ON THE PLANS AND NOT INDICATED ON THE SYMBOL LIST WITH THE ENGINEER PRIOR TO BID.

G2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION AREA THREE (3) WORKING DAYS NOTICE BEFORE COMMENCING DIGGING. NOTIFY THE LOCAL AUTHORITY HAVING JURISDICTION AND WAIT THE REQUIRED TIME BEFORE COMMENCING TO DIG.

G3. THE CONTRACTOR SHALL COORDINATE CONDUIT RUNS, LIGHTING FIXTURES AND OTHER EQUIPMENT LOCATIONS WITH THE OTHER TRADE CONTRACTORS TO AVOID CONFLICTS.

G4. WHERE VOLTAGES AND FREQUENCIES ON THE DRAWINGS AND IN THE SPECIFICATIONS DIFFER FROM THE LOCAL ONES, ALL WORK SHALL BE PERFORMED USING THE LOCAL VOLTAGES AND FREQUENCIES.

G5. THE MINIMUM WIRE SIZE ON THE PROJECT SHALL BE 2.5mm<sup>2</sup>. THE MINIMUM CONDUIT SIZE SHALL BE 20mm. THE MINIMUM BREAKER SIZE SHALL BE 15 AMPS.

G6. THE CONTRACTOR SHALL PUT A MAXIMUM OF 6 DUPLEX RECEPTACLES ON A 20A SINGLE POLE CIRCUIT.

G7. WHERE THE 1010 SCOPE REVIEW, 1015 TECHNICAL REVIEW, DRAWINGS, AND SPECIFICATIONS DIFFER FROM AMERICAN CODES OR STANDARDS, THE 1010, 1015, DRAWINGS, AND SPECIFICATIONS SHALL RULE.

G8. ALL CONDUIT AND DEVICES SHALL BE SURFACE MOUNTED UNLESS OTHERWISE INDICATED.

G9. CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL OTHER TRADES TO ENSURE ALL WORK IS COMPLETED IN A PROFESSIONAL, WORKMAN-LIKE MANNER.

SOME OF THESE SYMBOLS MAY NOT BE USED UNDER THIS PROJECT. SEE THE GENERAL PROJECT NOTES FOR ADDITIONAL REQUIREMENTS.

**MISCELLANEOUS**

	BRANCH CIRCUIT WIRING, SURFACE MOUNTED ON WALLS
	BRANCH CIRCUIT WIRING - 6mm <sup>2</sup>
	BRANCH CIRCUIT WIRING - UNDER FLOOR
	HOME RUN BACK TO PANEL
	CONDUIT TURNED DOWN
	CONDUIT TURNED UP
	LOW VOLTAGE WIRING AND CONDUIT
	INDICATES CONTINUATION OF LINE

**FIRE ALARM**

	FIRE ALARM CONTROL PANEL WITH BATTERY BACKUP
	FIRE ALARM PULL STATION

**TELECOMMUNICATIONS**

	TELEPHONE OUTLET(S) @ 45cm AFF. U.N.O. WITH 20mm RACEWAY TERMINATED TO TELEDATA TERMINAL BOARD.
	DATA OUTLET(S) @ 45cm AFF. U.N.O. WITH 20mm RACEWAY TERMINATED TO TELEDATA TERMINAL BOARD.



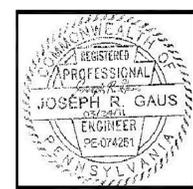
REV.	DATE	DESCRIPTION
0	3-24-2011	

DESIGNED BY:	CKD BY:
DWN BY:	REVIEWED BY:
SUBMITTED BY: <b>BAKER</b>	

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

SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
ELECTRICAL SYMBOLS, NOTES AND ABBREVIATIONS

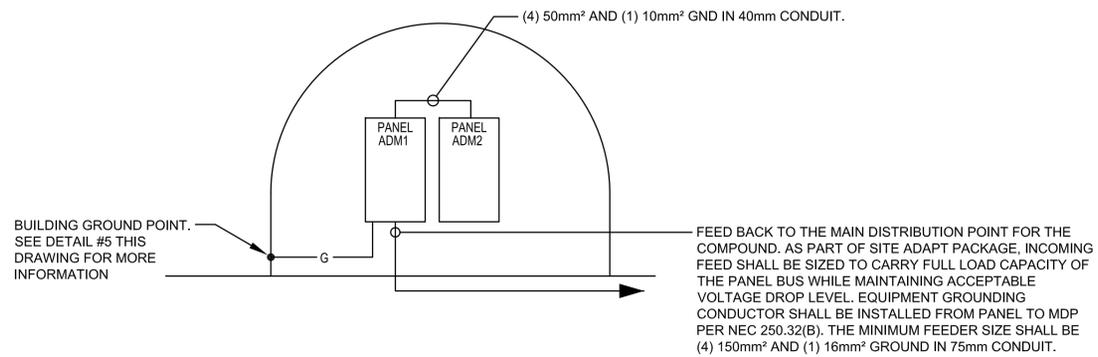
SHEET REFERENCE NUMBER:  
**E-001**



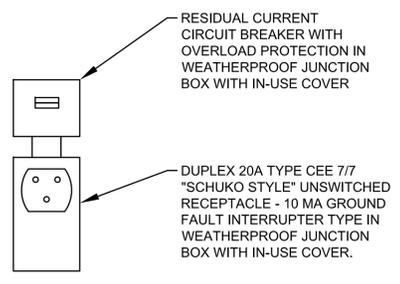
UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS.



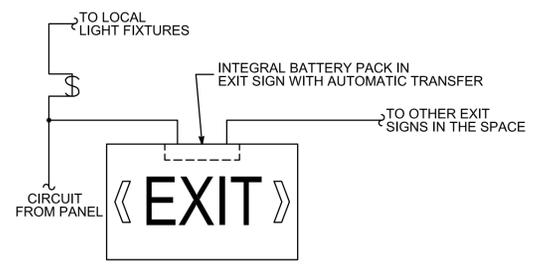




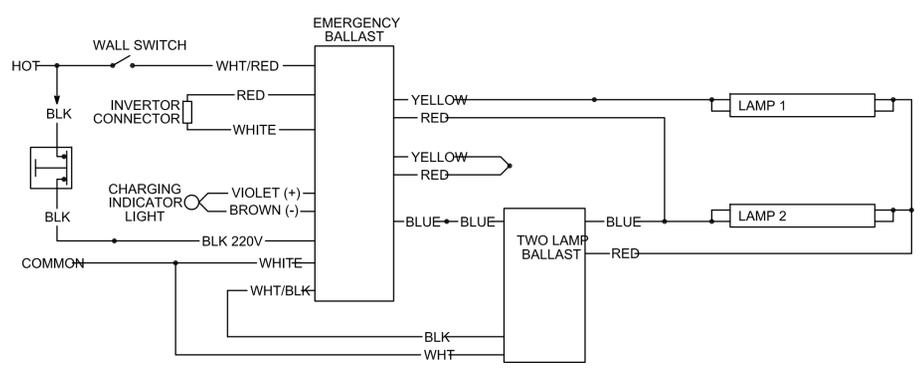
**1 ADM RISER DIAGRAM**  
E-501 SCALE: N.T.S.



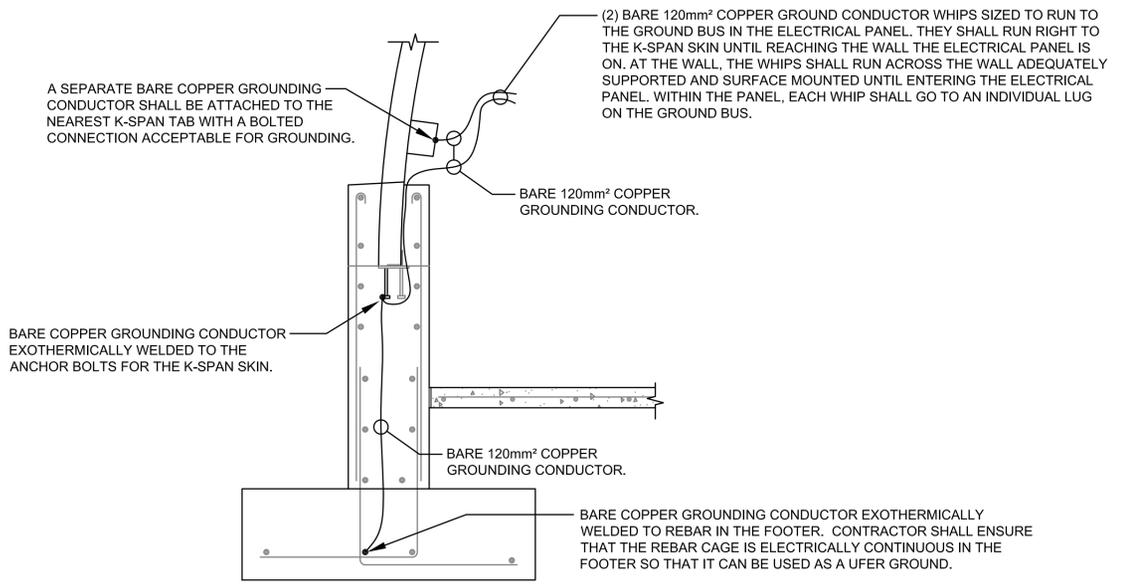
**2 RECEPTACLE DETAIL**  
E-501 SCALE: N.T.S.



**3 EXIT SIGN WIRING DIAGRAM**  
E-501 SCALE: N.T.S.



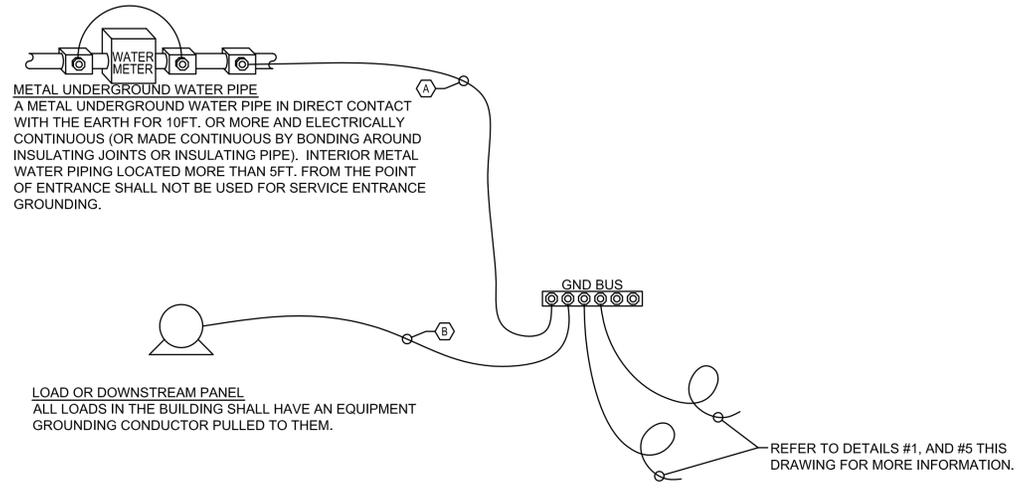
**4 EMERGENCY FIXTURE WIRING DIAGRAM**  
E-501 SCALE: N.T.S.



**5 BUILDING GROUNDING DETAIL**  
E-501 SCALE: N.T.S.

A LARGER OF THE TWO SIZES GIVEN IN THE TABLES BELOW		B EQUIPMENT GROUNDING CONDUCTOR	
GROUNDING ELECTRODE CONDUCTOR (BASED ON AIC RATING)		RATING OR SETTING OF AUTOMATIC OVERCURRENT DEVICE IN CIRCUIT AHEAD OF EQUIPMENT, CONDUIT, ETC., NOT EXCEEDING (AMPERES)	NECESSARY EQUIPMENT GROUNDING CONDUCTOR SIZE
AIC RATING OF SERVICE EQUIPMENT	NECESSARY GROUNDING ELECTRODE CONDUCTOR SIZE		
10K	(1) 35mm <sup>2</sup>	15	2.5mm <sup>2</sup>
14K	(1) 50mm <sup>2</sup>	20	4.0mm <sup>2</sup>
18K	(1) 70mm <sup>2</sup>	30	6.0mm <sup>2</sup>
22K	(1) 70mm <sup>2</sup>	40	6.0mm <sup>2</sup>
25K	(1) 70mm <sup>2</sup>	60	6.0mm <sup>2</sup>
30K	(1) 95mm <sup>2</sup>	100	10mm <sup>2</sup>
35K	(1) 120mm <sup>2</sup>	200	16mm <sup>2</sup>
42K	(1) 150mm <sup>2</sup>	300	25mm <sup>2</sup>
65K	(1) 185mm <sup>2</sup>	400	25mm <sup>2</sup>
100K	(1) 300mm <sup>2</sup>	500	35mm <sup>2</sup>
125K	(2) 185mm <sup>2</sup>	600	50mm <sup>2</sup>
200K	(2) 300mm <sup>2</sup>	800	70mm <sup>2</sup>
		1000	70mm <sup>2</sup>
		1200	95mm <sup>2</sup>
		1600	120mm <sup>2</sup>
		2000	150mm <sup>2</sup>
		2500	185mm <sup>2</sup>
		3000	240mm <sup>2</sup>
		4000	300mm <sup>2</sup>
		5000	400mm <sup>2</sup>
		6000	400mm <sup>2</sup>
GROUNDING ELECTRODE CONDUCTOR (BASED ON NEC TABLE 250.66)			
SIZE OF LARGEST UNGROUNDED SERVICE CONDUCTOR OR EQUIVALENT AREA FOR PARALLEL CONDUCTORS	NECESSARY GROUNDING ELECTRODE CONDUCTOR SIZE		
350 kcmil OR SMALLER	35mm <sup>2</sup>		
OVER 350 kcmil TO 600 kcmil	70mm <sup>2</sup>		
OVER 600 kcmil TO 1100 kcmil	70mm <sup>2</sup>		
OVER 1100 kcmil	95mm <sup>2</sup>		

NOTE: ALL SIZES ARE BASED ON COPPER CONDUCTORS.



**6 SERVICE ENTRANCE GROUNDING DETAIL**  
E-501 SCALE: N.T.S.



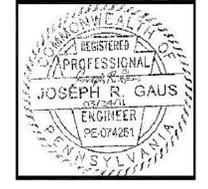
REV.	DATE	DESCRIPTION
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DESIGNED BY:	DATE:	REV:
DWN BY:	3-24-2011	0
CKD BY:	CONTRACT NO.:	
REVIEWED BY:	W912ER-09-D-0002	
SUBMITTED BY:	DRAWING CODE:	
BAKER	FILE NAME:	
	PLOT SCALE:	NONE
	PLOT DATE:	3/24/2011

U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN  
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SITE ADAPT DESIGN  
AD23 - ADMIN BUILDING - ARCH SPAN  
ELECTRICAL DETAILS

SHEET REFERENCE NUMBER:  
**E-501**



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