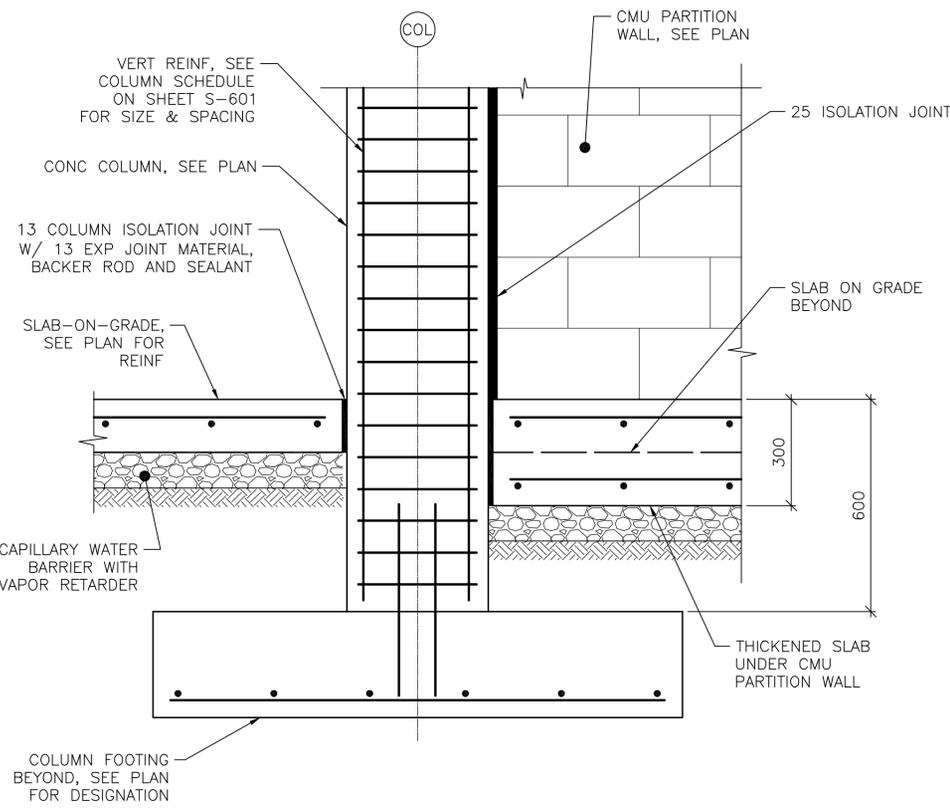
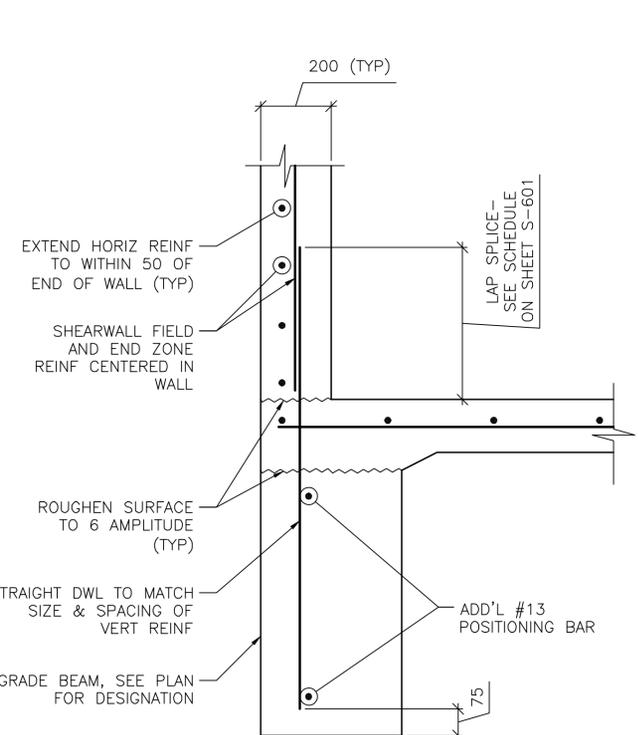


NOTE:  
1. SECTION IS SIMILAR FOR INTERIOR CMU PARTITIONS OVER GRADE BEAMS SHOWING THICKENED 200 CONC SLAB AREA.

1 SECTION  
S-101 SCALE: 1:10

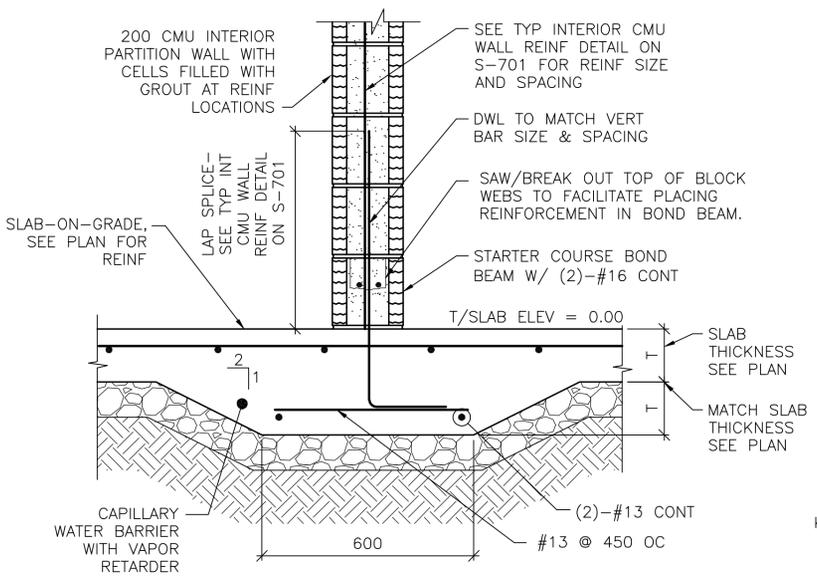


2 SECTION  
S-101 SCALE: 1:10

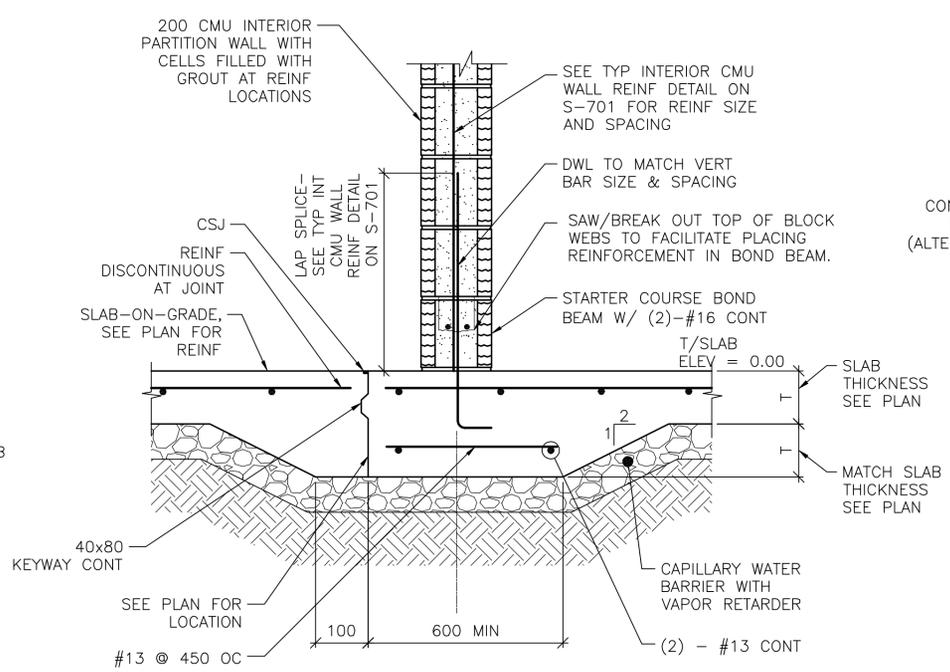


NOTE:  
1. SECTION DEPICTS SHEAR WALL TERMINATION ONLY. GRADE BEAM REINFORCING NOT SHOWN FOR CLARITY  
2. SEE SHEET S-601 AND SHEET S-702 FOR SCHEDULED FIELD AND END ZONE REINF.

3 SECTION  
S-101 SCALE: 1:10

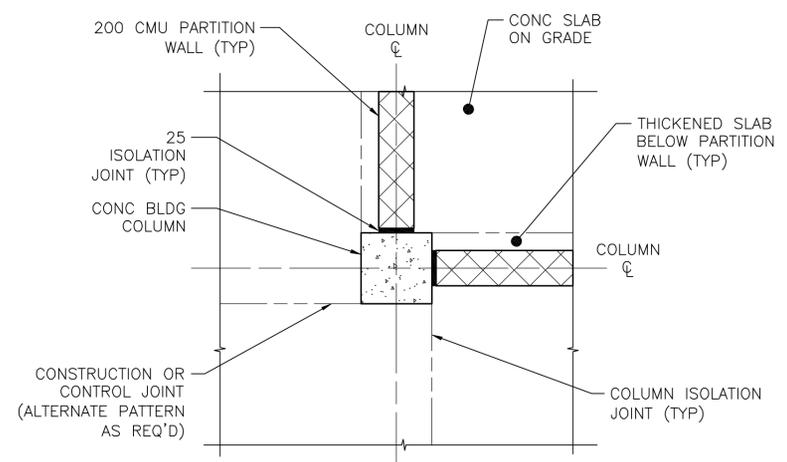


4 SECTION  
S-101 SCALE: 1:10



5 SECTION  
S-101 SCALE: 1:10

NOTE:  
1. DETAIL IS APPLICABLE AT CONTROL JOINTS RUNNING PARALLEL TO CMU WALLS AND WITHIN 300 OF FACE OF WALL.



A COLUMN ISOLATION JOINT DETAIL  
S-501 SCALE: NTS

0 200 400  
SCALE: 1:10

UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ON DRAWINGS ARE IN MILLIMETERS (mm)

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*Chris M. [Signature]*  
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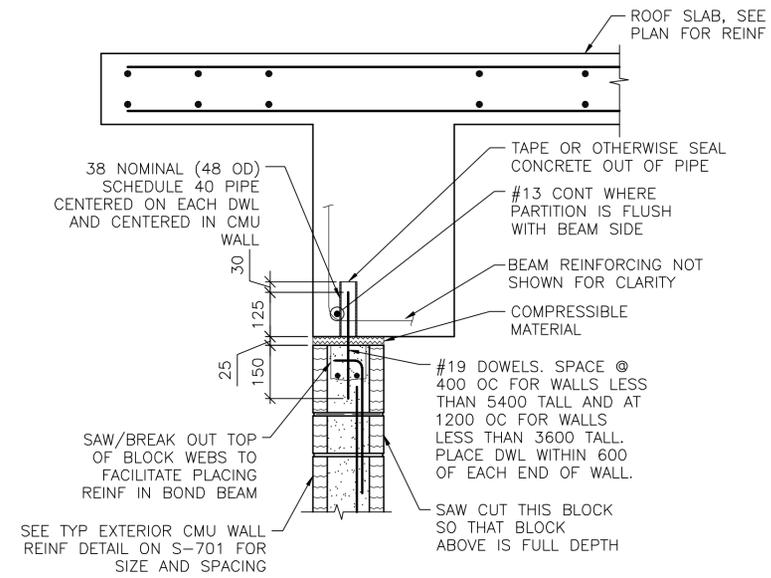


Rev.	Date	Description
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Designed by:	KCP/AMMY	Date:	2/23/10
Dwn by:	RCG	Design file no.:	
Reviewed by:	LHM	Drawing code:	
Submitted by:	BAKER	File name:	ANAMAT03-0105C
		Plot date:	2/22/2010
		Plot scale:	1:10

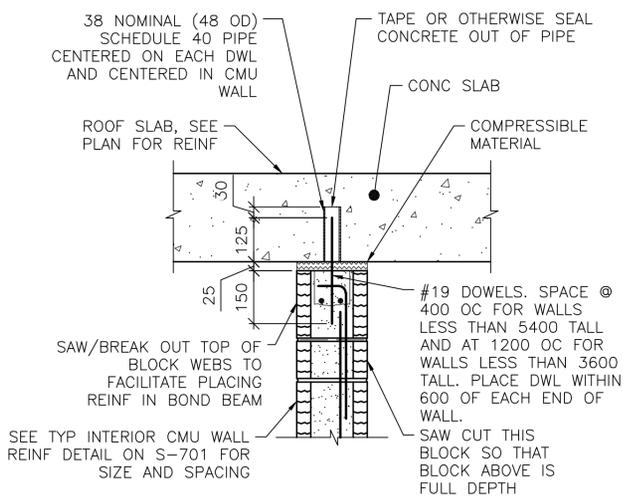
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FOUNDATION SECTIONS

Sheet reference number:  
**S-501**



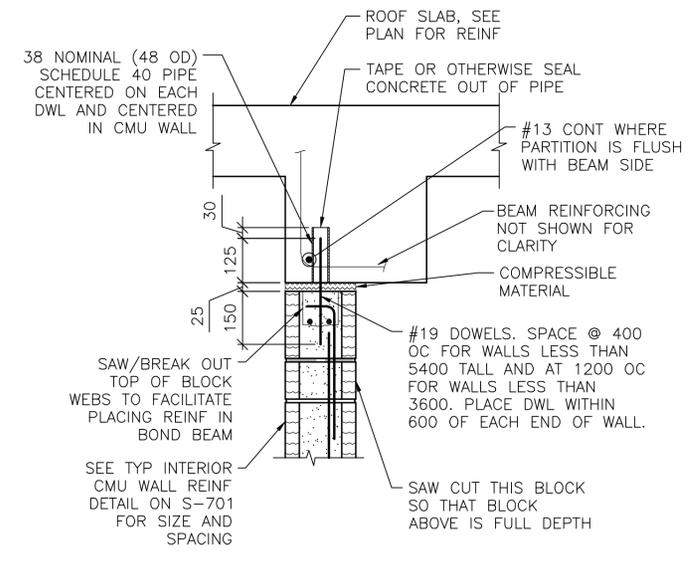
NOTES:  
 1. EXTEND DWEL REINF TO 25 CLEAR FROM TOP OF CMU WALL.

1 SECTION  
 S-101 SCALE: 1:10



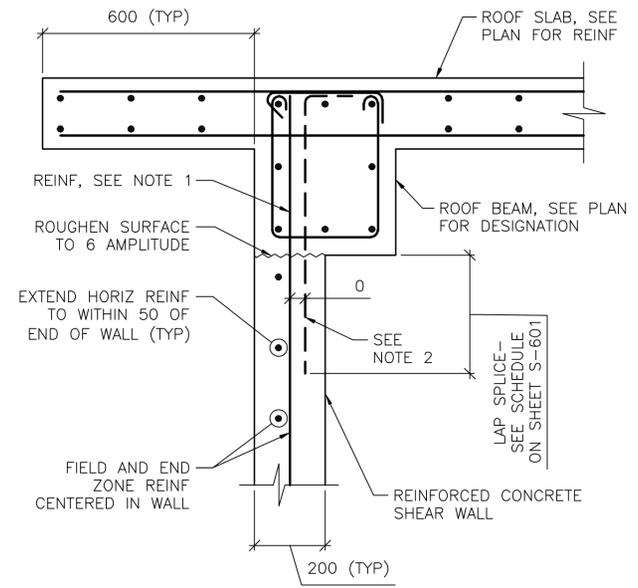
NOTES:  
 1. EXTEND DWEL REINF TO 25 CLEAR FROM TOP OF CMU WALL.  
 2. SLAB REINF NOT SHOWN FOR CLARITY.

2 SECTION  
 S-101 SCALE: 1:10



NOTES:  
 1. EXTEND DWEL REINF TO 25 CLEAR FROM TOP OF CMU WALL.  
 2. PARTITION WALL MAY BE CENTERED UNDER THE BEAM OR FLUSH AS SHOWN. SEE PLAN FOR LOCATION.  
 3. SLAB REINF NOT SHOWN FOR CLARITY.

3 SECTION  
 S-101 SCALE: 1:10



NOTES:  
 1. TERMINATE "FIELD" VERT REINF & END ZONE REINF @ 50 CLEAR FROM TOP OF ROOF SLAB.  
 2. WHERE END ZONE REINFORCING CANNOT BE DEVELOPED IN BEAM DEPTH, PROVIDE HOOKED DWLS SAME SIZE & SPACING. PROVIDE TENSION LAP BELOW ROOF BEAM.  
 3. SEE SHEET S-601 AND SHEET S-702 FOR SCHEDULED FIELD AND END ZONE REINF.

4 SECTION  
 S-101 SCALE: 1:10



UNLESS OTHERWISE NOTED, LINEAR DIMENSIONS SHOWN ON DRAWINGS ARE IN MILLIMETERS (mm)

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*Chris M. [Signature]*  
 A/E DESIGNER OF RECORD



Rev.	Date	Description
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		Mark
		Appr.
		Date

Designed by: KMP/MMY  
 Dwn by: RCG  
 Ctd by: CWV  
 Reviewed by: LHM  
 Submitted by: BAKER

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 AFGHANISTAN ENGINEER DISTRICT  
 APO AE 96338  
 Michael Baker, Jr., Inc.  
 A Unit of Michael Baker Corporation  
 100 Ardsley Drive, PA 15108  
 www.mbakercorp.com

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 Design file no.:  
 Drawing code: ANAM03-6025C  
 File name: ANAM03-6025C  
 Plot date: 2/23/10  
 Plot scale: x:k

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 FRAMING SECTIONS

Sheet reference number:  
 S-502

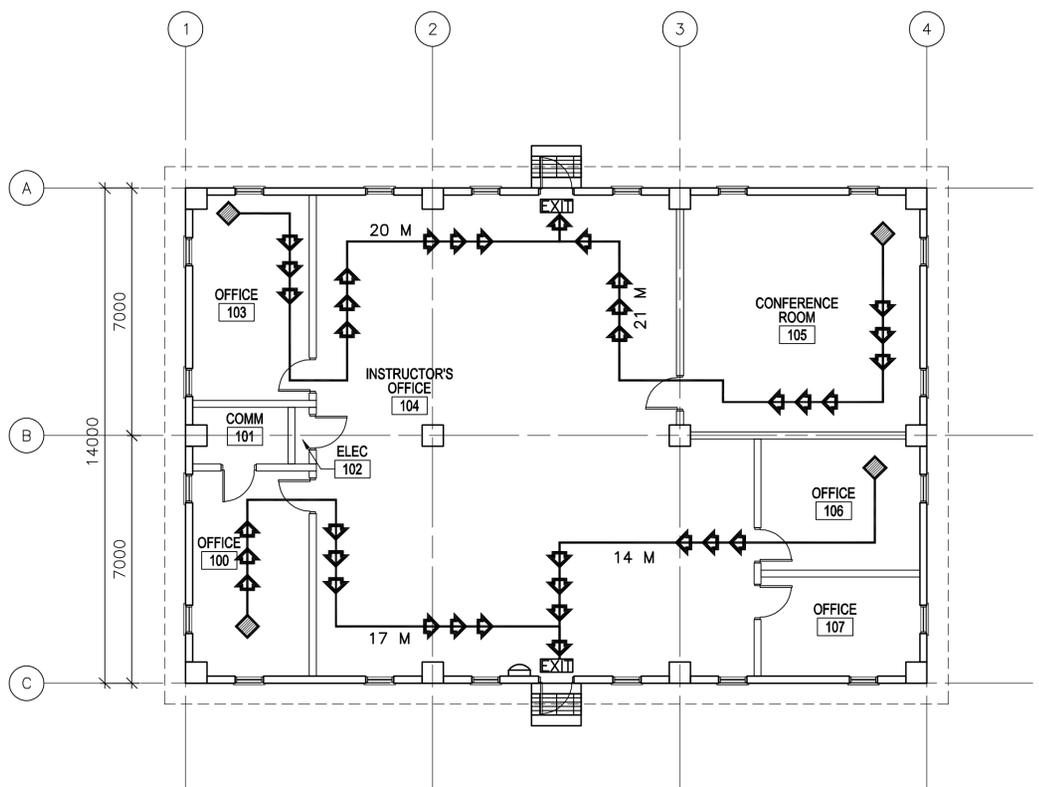












**1**  
A-001  
**LIFE SAFETY PLAN**  
SCALE: 1:100

**CODE ANALYSIS:**

- REFERENCES:**  
2006 INTERNATIONAL BUILDING CODE (2006 IBC)  
2006 LIFE SAFETY CODE (2006 NFPA 101)
- IBC OCCUPANCY CLASSIFICATION:**  
GROUP B (BUSINESS NFPA 101 6.1.11 AND CHAPTER 38)
- TYPE OF CONSTRUCTION (IBC):** TYPE II-B (UNPROTECTED/NONSPRINKLERED)
- IBC TABLE 503: ALLOWABLE HEIGHT AND BUILDING AREAS:**  
GROUP B  
ALLOWABLE AREA: 2,137 SM  
ALLOWABLE HEIGHT: 3 STORIES (16 M)  
GROUP B  
PROPOSED AREA: 294 SM  
PROPOSED HEIGHT: 1 STORY (<16 M)
- IBC TABLE 601 & 602: FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS FOR TYPE II-B**

BUILDING ELEMENT	RATING (HOUR)	REFERENCE
STRUCTURAL FRAME (COLUMNS, GIRDERS & TRUSSES)	0	TABLE 601
BEARING WALLS EXTERIOR	0	TABLE 601
BEARING WALLS INTERIOR	0	TABLE 601
NONBEARING WALLS & PARTITIONS INTERIOR	0	TABLE 601
FLOOR CONSTRUCTION	0	TABLE 601
ROOF CONSTRUCTION	0	TABLE 601
EXTERIOR WALL	0	TABLE 602
- IBC TABLE 803.5 - INTERIOR WALL AND CEILING FINISH REQUIREMENTS FOR B OCCUPANCY/NONSPRINKLERED**

GROUP	EXIT ENCLOSURES AND EXIT PASSAGEWAY	CORRIDORS	ROOMS AND ENCLOSED SPACES
B	A	B	C
- NFPA 101 TABLE 7.3.1.2 - OCCUPANT LOAD**  
BUSINESS = 9.3 SM/PERSON BUSINESS PROPOSED = 32 OCCUPANTS
- NFPA 101 TABLE 7.3.3.1 - EGRESS CAPACITY**  
BUSINESS = 5 MM PER OCCUPANT  
  
REQUIRED: 160 MM (32 OCCUPANTS x 5 MM PER OCCUPANT)  
PROPOSED EGRESS CAPACITY: 900 MM: (2) 900 MM DOORS
- NFPA 101 PARAGRAPH 38.2.6.2 - EXIT ACCESS TRAVEL DISTANCE (NONSPRINKLERED)**  
REQUIRED: 60 METERS  
PROPOSED: 23 METERS
- NFPA 101 PARAGRAPH 38.3.6.1(1) & (2) - CORRIDORS**  
NO RATED CORRIDOR REQUIRED (NONSPRINKLERED):  
(1) ALL EXITS ARE AVAILABLE FROM AN OPEN FLOOR AREA  
(2) SPACE IS OCCUPIED BY A SINGLE TENANT
- NFPA 101 PARAGRAPH 38.2.4.1 - NUMBER OF EXITS**  
BUSINESS REQUIRED: 1 MINIMUM  
BUSINESS PROPOSED: 2 EXITS

**LEGEND:**

- DENOTES PATHS OF EXIT TRAVEL
- DENOTES DOOR AS AN EMERGENCY EXIT
- DENOTES STARTING POINT FOR TRAVEL DISTANCE
- DENOTES FIRE EXTINGUISHER LOCATIONS

LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE NOTED  
SCALE: 1:100

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A/E DESIGNER OF RECORD



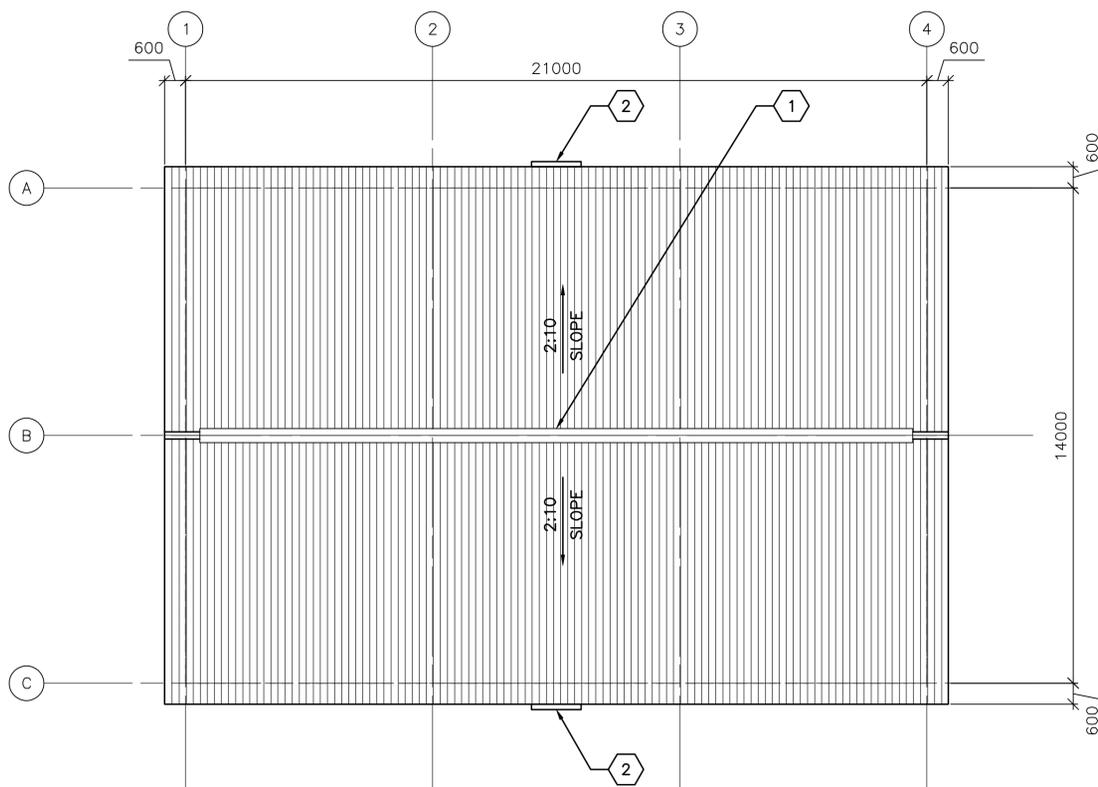
Date	Rev.	Description
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Designed by: KRC	Checked by: NLJ	Date: 2/23/10	Rev: 0
Dwn by: KJG	Reviewed by: LHM	Design file no.:	
Submitted by: BAKER		Drawing code: ANAT00A-001SP	
		File name: ANAT00A-001SP	
		Plot date: 2/22/2010	
		Plot scale:	

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LIFE SAFETY PLAN

Sheet reference number:  
**A-001**





**1**  
A-102  
**ROOF PLAN**  
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. UNLESS OTHERWISE NOTED, NOTES, DETAILS OR FEATURES INDICATED FOR ONE CONDITION SHALL BE APPLICABLE FOR ALL ALIKE AND SIMILAR CONDITIONS.
- C. STOCKPILING OF MATERIALS, EQUIPMENT AND ANY OTHER ITEMS ON THE ROOF IS PROHIBITED.
- D. ROOFS SHALL BE CORRUGATED METAL ROOF PANELS ON COLD-FORMED METAL FRAMING ON CONCRETE SLAB.



Rev.	Date	Description
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**KEY NOTES:**

- 1. CONTINUOUS METAL RIDGE VENT SEE DETAIL 4/A-501.
- 2. METAL GUTTER, 1400 MM - SEE DETAIL 1A/A-501.

Designed by: KRC	Cad by: NLJ	Rev:	0
Dwn by: KJG	Reviewed by: LHM	Date:	2/23/10
Submitted by: BAKER	File name:	Design file no.:	
	AMATCOA-102RP	Drawing code:	
	100 Argosie Drive, PA 15108	Plot date:	2/23/2010
	www.mbakercorp.com	Plot scale:	

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ROOF PLAN

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



Sheet reference number:  
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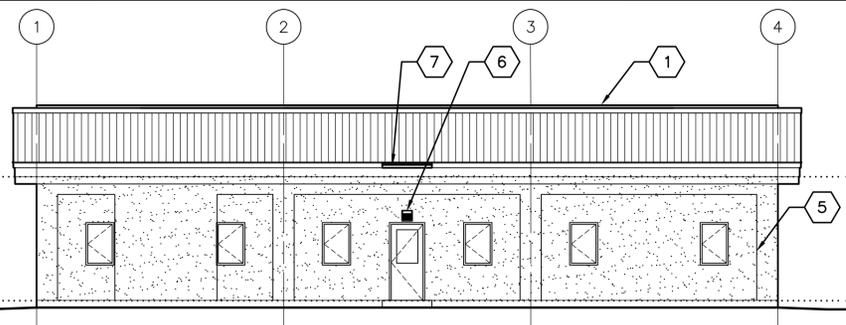
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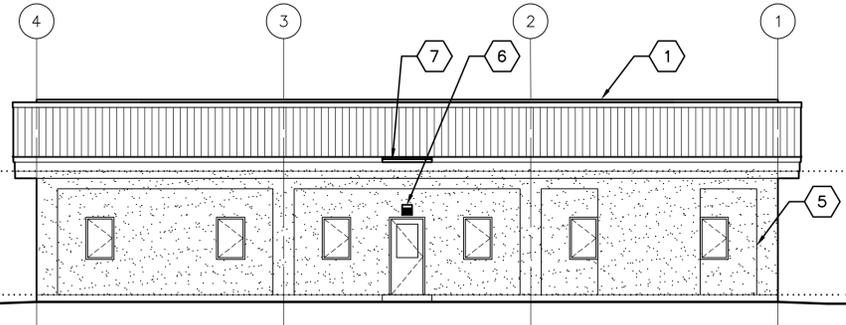
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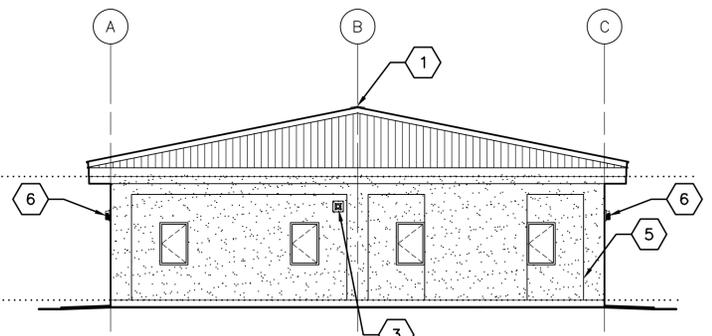
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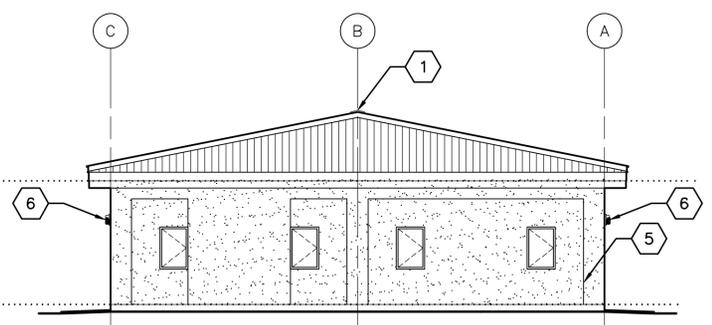
**1 ELEVATION**  
A-201 SCALE: 1:100



**2 ELEVATION**  
A-201 SCALE: 1:100



**3 ELEVATION**  
A-201 SCALE: 1:100



**4 ELEVATION**  
A-201 SCALE: 1:100

**GENERAL NOTES:**

- A. COORDINATE SIZE AND LOCATION OF OPENINGS FOR MECHANICAL ITEMS WITH MECHANICAL DRAWINGS.
- B. PROVIDE STRUCTURAL LINTELS AS REQUIRED - SEE STRUCTURAL DRAWINGS.
- C. ALL EXTERIOR WALL FINISHES SHALL BE STUCCO OVER CMU AND CONCRETE SUBSTRATES. PROVIDE CONTROL JOINTS IN STUCCO WALL FINISH AS NOTED.
- D. ROOF SHALL BE CORRUGATED METAL ROOF PANELS ON COLD-FORMED METAL FRAMING ON CONCRETE SLAB.



Rev.	Date	Description
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**KEY NOTES:**

- 1. CONTINUOUS METAL RIDGE VENT - SEE DETAIL 4/A-501.
- 2. NOT USED
- 3. EXHAUST FAN, LOCATE TOP OF WALL PENETRATION 2800 MM ABOVE FINISHED FLOOR - SEE MECHANICAL DRAWINGS.
- 4. NOT USED
- 5. STUCCO CONTROL JOINT - SEE DETAIL 2A/A-501.
- 6. EXTERIOR LIGHT - SEE ELECTRICAL.
- 7. METAL GUTTER, CENTER ON DOOR, 1400 MM - SEE DETAIL 1A/A-501.

Designed by:	KRC	Checked by:	NLJ
Dwn by:	KJG	Reviewed by:	LHM
Submitted by:	BAKER	Drawing code:	ANATCOA-201ELEV
Date:	2/23/10	File name:	ANATCOA-201ELEV
Design file no.:		Plot date:	2/23/2010
		Plot scale:	

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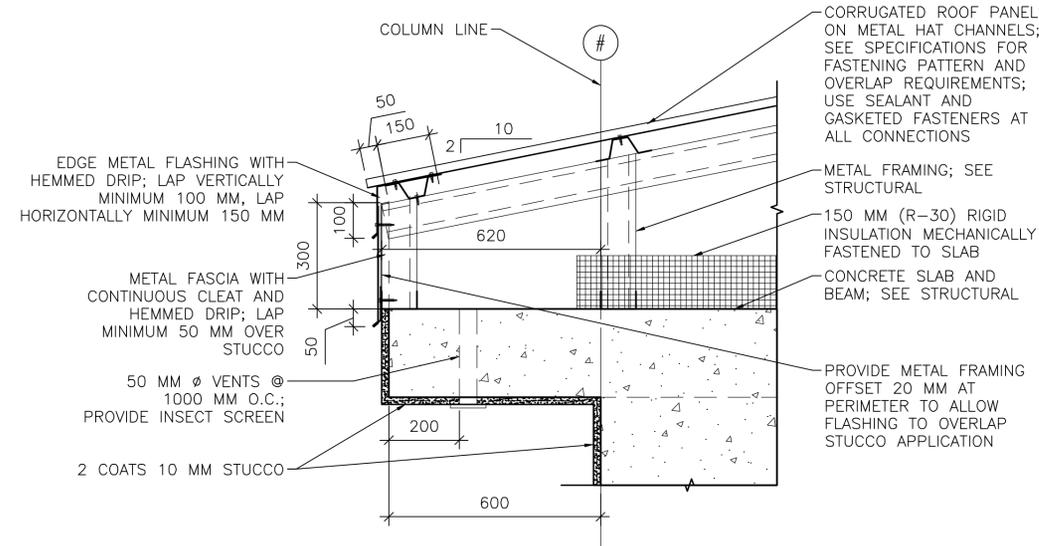
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LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE NOTED  
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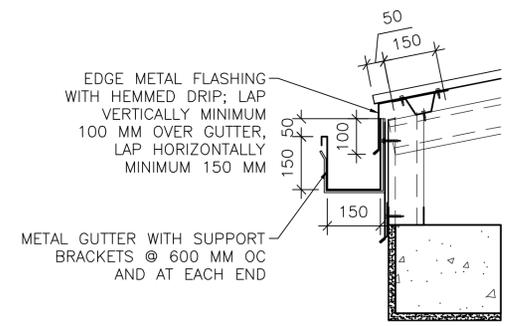




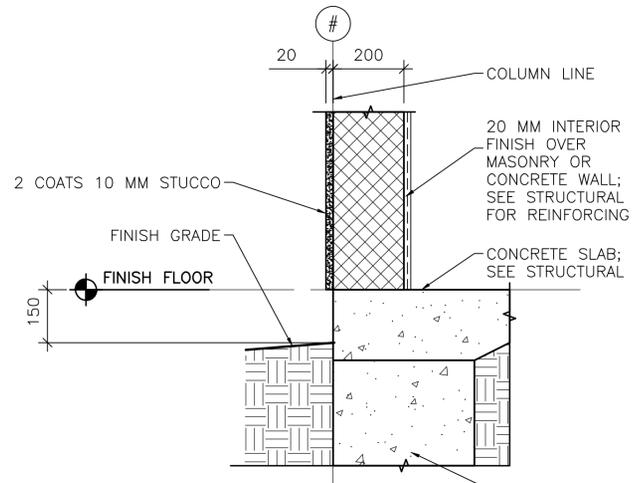




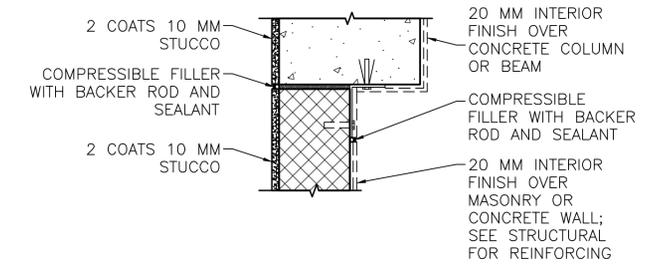
1 EAVE DETAIL  
A-501 SCALE 1:10



1A GUTTER DETAIL  
A-501 SCALE 1:10

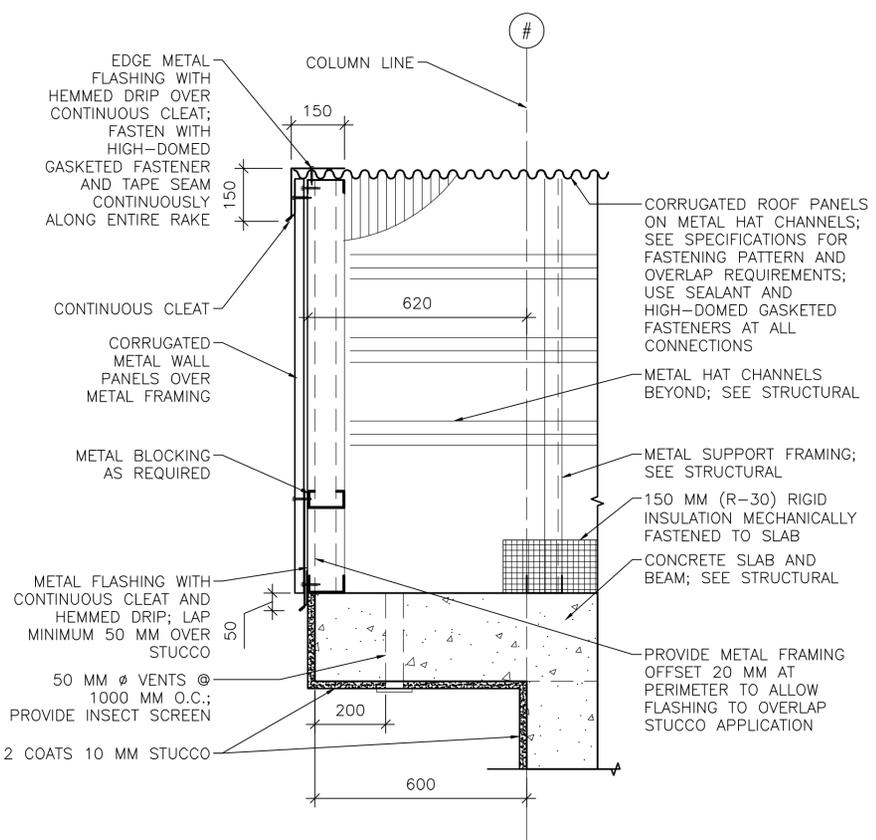


2 STUCCO BASE DETAIL  
A-501 SCALE 1:10

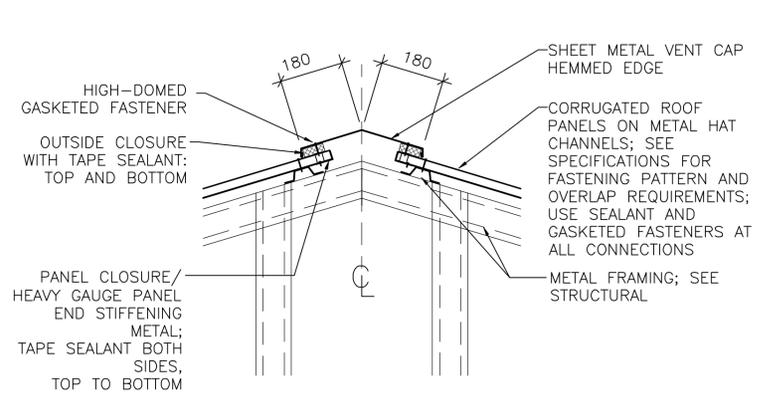


2A STUCCO JOINT DETAIL  
A-501 SCALE 1:10

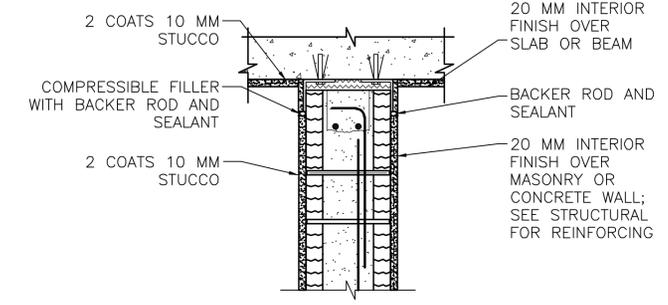
NOTE: DETAIL TYPICAL AT ALL WALL/COLUMN AND WALL/BEAM LOCATIONS, SEE ALTERNATE BRACING DETAIL BELOW 2B/A-501.



3 RAKE/EAVE DETAIL  
A-501 SCALE 1:10



4 RIDGE VENT DETAIL  
A-501 SCALE 1:10



2B ALTERNATE BRACING DETAIL  
A-501 SCALE 1:10

INTERIOR WALL/BEAM

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

0 200 400  
SCALE: 1:10

APPROVED: *X. R. Cliff*  
A/E DESIGNER OF RECORD

SEAL:



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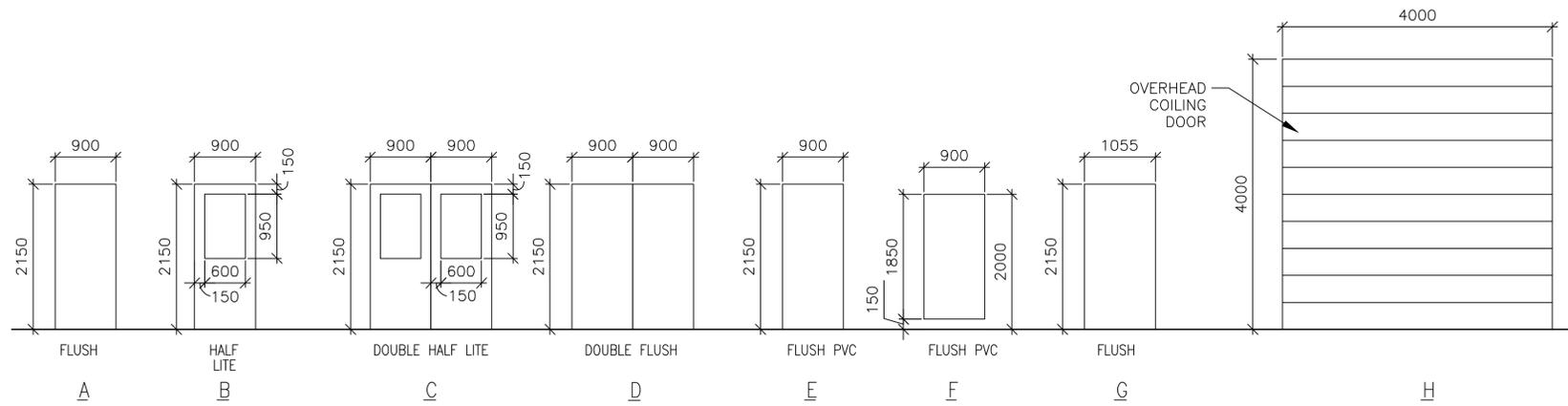
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U.S. ARMY CORPS OF ENGINEERS AFGHANISTAN ENGINEER DISTRICT APO AE 96338	Michael Baker Jr., Inc. A Unit of Michael Baker Corporation Alside Business Park 100 Alside Drive, PA 15108 www.mbakercorp.com			

AFGHAN NATIONAL ARMY REGIONAL MILITARY TRAINING CENTER STANDARD DESIGN	ADMIN TRAINING COMPANY EXTERIOR DETAILS
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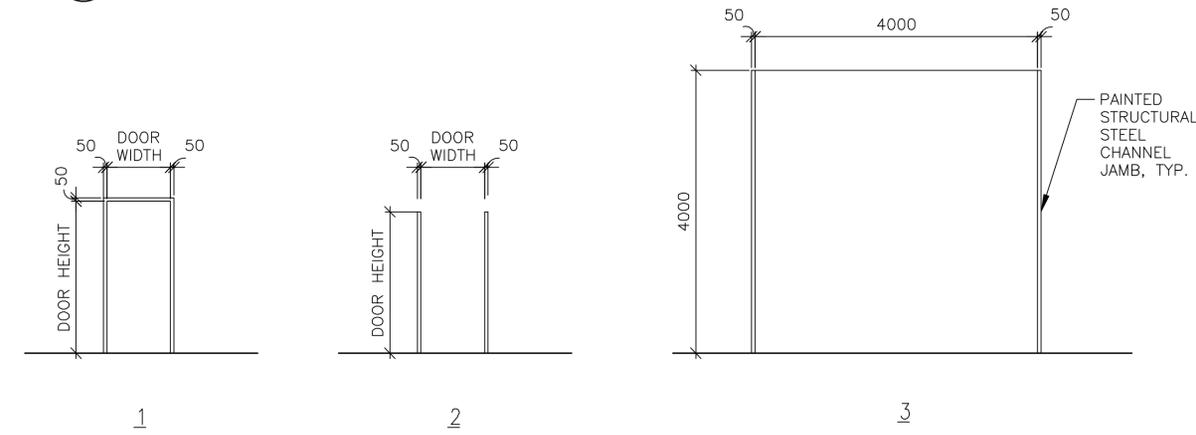
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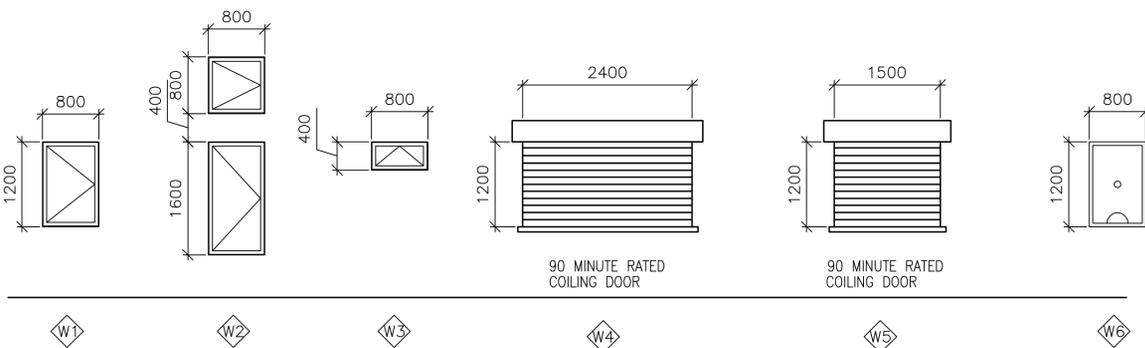




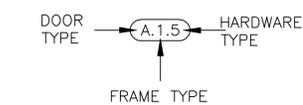
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SCALE: 1:50



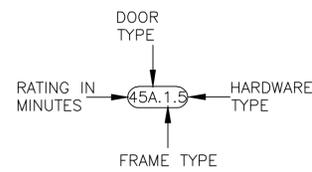
**2 FRAME TYPES**  
SCALE: 1:50



**3 WINDOW TYPES**  
SCALE: 1:50



**4 DOOR TAG**  
SCALE: NTS



**5 RATED DOOR TAG**  
SCALE: NTS

**WINDOW TYPE NOTES:**

1. ALL EXTERIOR WINDOWS SHALL BE ALUMINUM WITH INSECT SCREENS. WINDOWS SHALL BE COMMERCIAL GRADE.
2. ALL EXTERIOR WINDOWS SHALL BE OPERABLE.

**DOOR TAG NOTES:**

1. THE DOOR TAG INDICATES THE DOOR TYPE, FRAME TYPE AND HARDWARE SET FOR EACH DOOR.
2. THE DOOR TAG FOR RATED DOORS INCLUDES THE RATING OF THE DOOR IN MINUTES.

**EXTERIOR DOOR HARDWARE TYPES:**

- HW-1 1-1/2 PR HINGES, A5112 114 X 114  
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  
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  
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  
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

**DOOR AND HARDWARE NOTES:**

1. INTERIOR AND EXTERIOR METAL DOORS AND FRAME COLORS SHALL MATCH ADJACENT WALL COLORS AS SELECTED BY THE CONTRACTING OFFICER.
2. 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.
3. DIMENSIONS SHOWN ON DOOR TYPES DETAIL ARE BASED UPON MODULAR MASONRY (OR ROUGH OPENING), HEIGHT OF 2200 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.
4. HARDWARE SHALL BE HEAVY DUTY, COMMERCIAL GRADE, STAINLESS STEEL WITH A SATIN OR BRUSHED FINISH.
5. HARDWARE TYPES INCLUDE BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BMHA) NUMBER.
6. 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.
7. DOORS AT STAIR ENCLOSURES SHALL BE 1 HOUR (60 MINUTE) RATED AT 1 HOUR WALL IN ACCORDANCE WITH NFPA 101, TABLE 8.3.4.2.
8. 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.
9. DOORS IN 1 HOUR RATED CORRIDOR WALLS SHALL BE 1/3 HOUR (20 MINUTE) IN ACCORDANCE WITH NFPA 101, TABLE 8.3.4.2.
10. PROVIDE DOOR STOPS TO PROTECT WALLS ON LOCATIONS WHERE DOOR SWING WILL STRIKE WALL.

THIS SHEET IS STANDARD AND IS INCLUSIVE OF ALL THE DOOR/WINDOW/HARDWARE TYPES FOR THE ENTIRE RMTc 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.

**INTERIOR DOOR HARDWARE TYPES:**

- HW-5 1-1/2 PR HINGES, A8133 114 X 114  
1 EA LOCKSET W/LEVER HANDLES, F08, 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  
1 EA LOCKSET W/LEVER HANDLES, F08, GRADE 1  
1 EA WALL STOP, L02101 OR L02161  
1 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE  
3 EA DOOR SILENCERS, L03011
- HW-7 1-1/2 PR HINGES, A8133  
1 EA LOCKSET W/LEVER HANDLES, F13 GRADE 1  
1 EA WALL STOP, L02101 OR L02161  
2 EA MOP PLATE, J103  
3 EA DOOR SILENCERS, L03011
- HW-8 1-1/2 PR HINGES, A8112  
1 EA LOCKSET W/LEVER HANDLES, F13 GRADE 1  
1 EA WALL STOP, L02101 OR L02161  
2 EA MOP PLATE, J103  
1 EA OVERHEAD CLOSER, C02061, LOW RESISTANCE  
3 EA DOOR SILENCERS, L03011
- HW-9 1-1/2 PR HINGES, A5112 114 X 114  
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  
1 EA LOCKSET W/LEVER HANDLES, GRADE 1, F13  
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  
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  
1 EA LATCHSET W/LEVER HANDLES, F76 GRADE 1  
1 EA WALL STOP, L02101 OR L02161  
2 EA MOP PLATE, J103  
3 EA DOOR SILENCERS, L03011  
1 EA ROBE HOOK
- HW-13 3 PR HINGES, A5112 114 X 114  
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
- HW-14 3 PR HINGES, A5112 114 X 114  
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  
2 EA DOOR SILENCERS, L03011



US ARMY CORPS OF ENGINEERS  
AFGHANISTAN ENGINEER DISTRICT

Rev.	Date	Description	Mark

Designed by: KRC  
Dwn by: KJG  
Reviewed by: LHM  
Submitted by: BAKER

Date: 2/23/10  
Design file no.:  
Drawing code: ANAT00A-010SCH  
File name: ANAT00A-010SCH  
Plot date: 2/22/2010  
Plot scale:

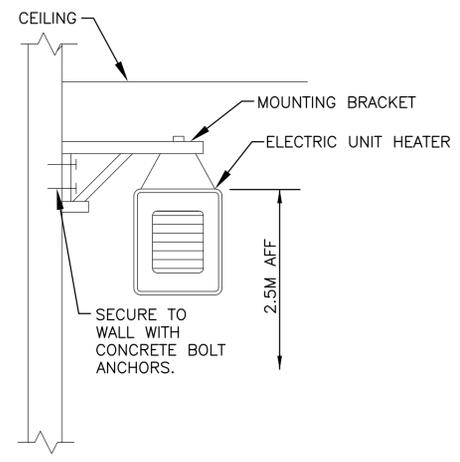
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WINDOW AND DOOR SCHEDULES

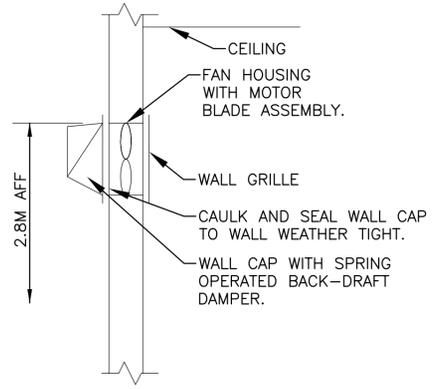
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A/E DESIGNER OF RECORD



Sheet reference number:  
**A-601**



2 ELECTRIC UNIT HEATER MOUNTING DETAIL  
M-101 N.T.S.



3 EXHAUST FAN DETAIL  
M-101 N.T.S.

**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.

**SYMBOLS:**

- (X) KEY NOTE
- (.050) AIR VOLUME IN CUBIC METERS PER SECOND (CMS)
- VOLUME DAMPER
- (T) THERMOSTAT WITH LOCKING COVER
- UC DOOR UNDERCUT
- TG TRANSFER GRILLE

**ABBREVIATIONS:**

- AFF ABOVE FINISH FLOOR
- CF CEILING FANS
- CMS CUBIC METERS PER SECOND
- STATS THERMOSTATS

**KEY NOTE:**

- WALL EXHAUST FAN WITH SPRING OPERATED BACK-DRAFT DAMPER.
- 200x150 (8x6) TRANSFER GRILLE. MOUNT GRILLE 800mm BELOW CEILING. COORDINATE LOCATION IN FIELD WITH OTHER TRADES.
- UNIT HEATER SECURED FROM WALL. SEE DETAIL THIS SHEET.
- THERMOSTAT MOUNTED AS HIGH AS POSSIBLE. INTERLOCK STAT WITH CORRESPONDING EXHAUST FAN, SET FAN TO ENERGIZE ON RISE IN TEMPERATURE ABOVE 25°C (77°F).

NO.	CMS	KW	F.A.T. °C	ELECT. CHAR.	MOUNTING
EH-2	0.200	2.6	38	380/1/50	WALL HUNG
EH-4	0.200	4	38	380/1/50	WALL HUNG

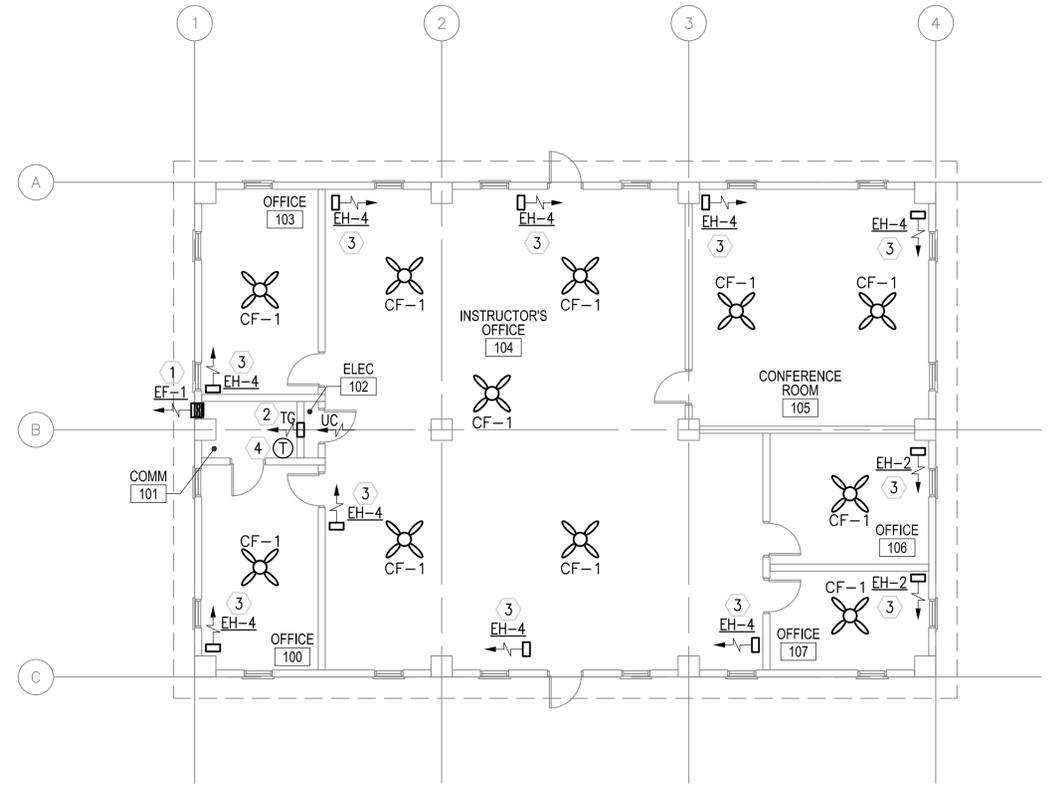
- NOTES:
- UNIT HEATERS SHALL HAVE TAMPER PROOF INTEGRAL STATS.
  - COORDINATE LOCATION AND ORIENTATION IN FIELD

NO.	TYPE	FAN CMS	DRIVE	HP	SP mmH2O	ELECTRICAL DATA	SWITCH
EF-1	WALL	0.035	DIRECT	FRACT	13	220/1/50	W/ STAT

- NOTE:
- FANS SHALL HAVE SPRING OPERATED BACK DRAFT DAMPER.

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

- NOTES:
- INSTALL FANS 2.5M AFF.
  - PROVIDE WITH OUT LIGHT FIXTURE.
  - PROVIDE WITH REMOTE MOUNTED ON-OFF SWITCH SHOWN ON ELECTRICAL DRAWINGS.



1 FLOOR PLAN - HVAC  
M-101 SCALE: 1:100

LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE NOTED  
SCALE: 1:100

APPROVED:

A/E DESIGNER OF RECORD

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Rev.	Date	Description
0	02/23/10	Design file no.

Designed by: RML	Checked by: CUM
Dwn by: JUN	Reviewed by: MRS
Submitted by: BAKER	

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HVAC - FLOOR PLAN,  
SCHEDULES AND DETAILS

Sheet reference number:  
M-101



GENERAL NOTES:

1. REFER TO DRAWING #E-001 FOR THE ELECTRICAL SYMBOLS LIST.
2. EXIT SIGNS SHALL BE WIRED AHEAD OF ANY LOCAL SWITCHING ON CIRCUITS. SEE WIRING DIAGRAM DETAIL 5, DRAWING #E-501.
3. REFER TO DRAWING #E-601 FOR THE LIGHTING FIXTURE SCHEDULE.
4. REFER TO DRAWING #E-501 FOR THE POWER RISER.
5. REFER TO DRAWING #E-601 FOR PANEL SCHEDULES.
6. LIGHT FIXTURES INDICATED AS EMERGENCY SHALL BE PROVIDED WITH A BATTERY BACKUP BALLAST. SEE WIRING DIAGRAM DETAIL 6, DRAWING #E-501.



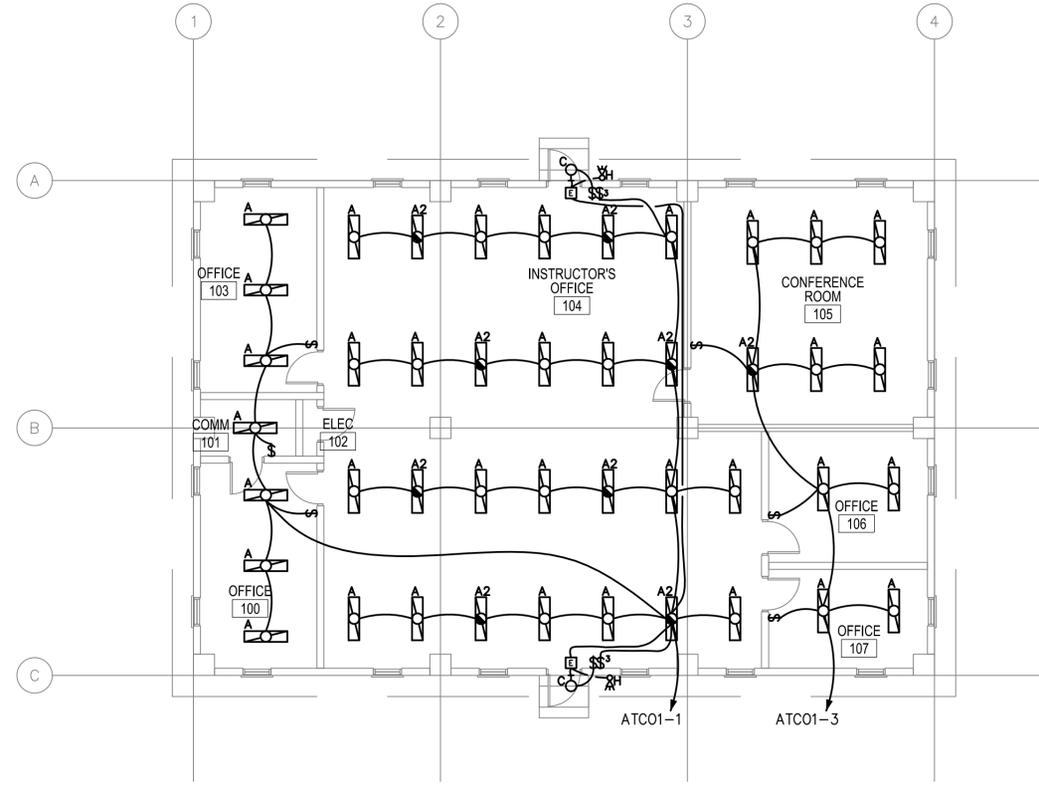
Rev.	Date	Description
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Designed by: JRG	Date: 2/23/10	Rev: 0
Drawn by: BJB	Design file no.:	
Reviewed by: JRG	Drawing code:	
Submitted by: BAKER	File name:	
	Plot date:	
	Plot scale:	

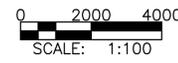
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ELECTRICAL LIGHTING PLAN

Sheet reference number:  
E-101



1  
E-101  
ADMIN TRAINING COMPANY  
LIGHTING PLAN  
SCALE: 1:50



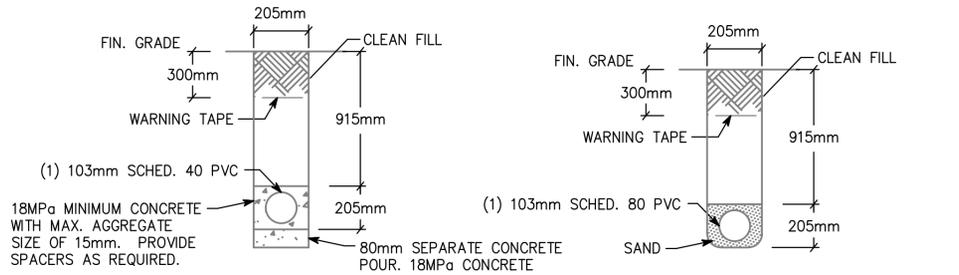
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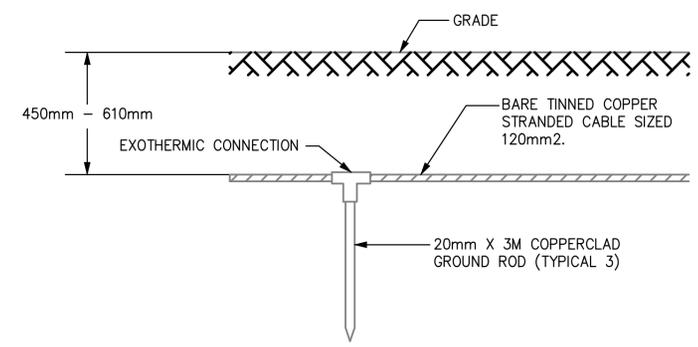
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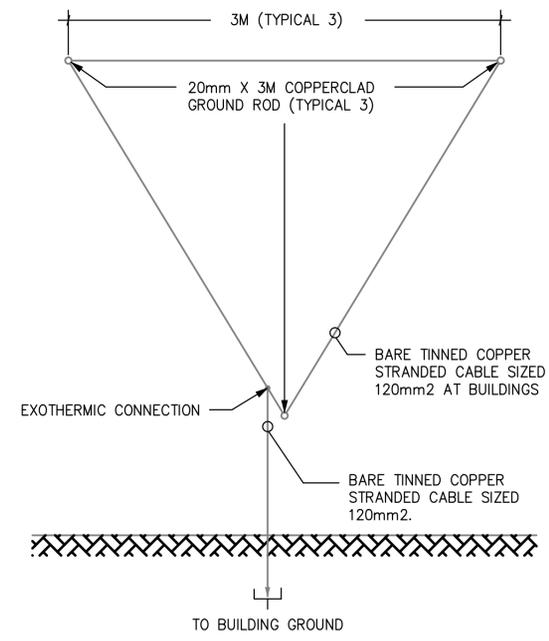


NOTE: PVC CONDUIT SHALL BE DIRECT BURIED SCHEDULE 80 FOR NO TRAFFIC AREAS AND CONCRETE-ENCASED SCHEDULE 40 FOR UNDER ROADWAYS OR TRAFFIC AREAS.

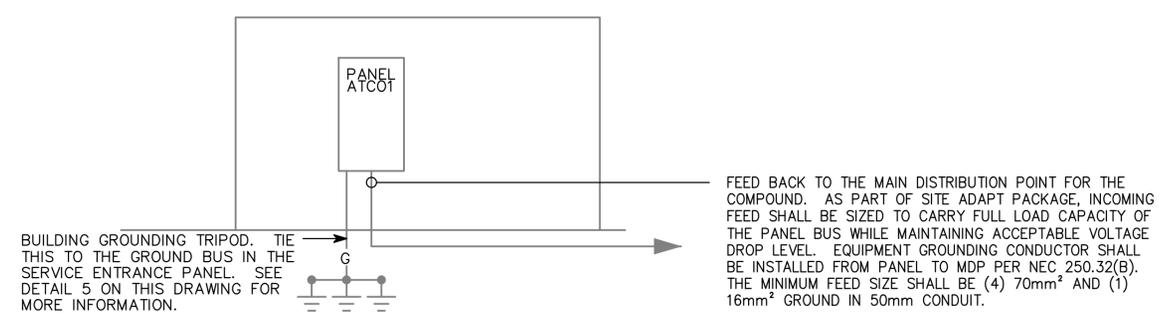
1 TYPICAL DUCT BANK DETAILS FOR CONDUIT IN SAND OR CONCRETE  
SCALE: N.T.S.



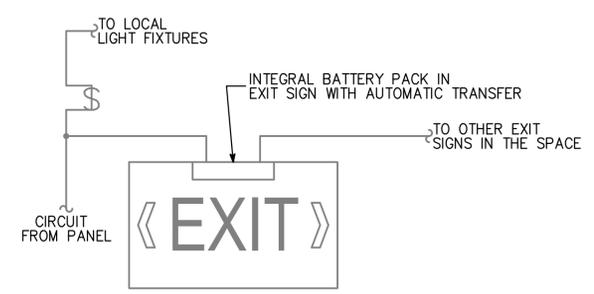
2 GROUND TRIPOD SYSTEM DETAIL - ELEVATION  
SCALE: N.T.S.



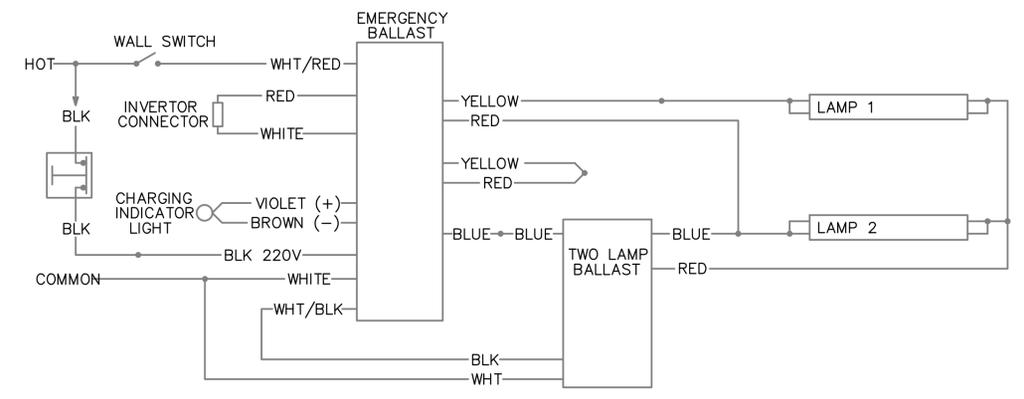
3 GROUND TRIPOD SYSTEM DETAIL - PLAN  
SCALE: N.T.S.



4 ATCO RISER DIAGRAM  
SCALE: N.T.S.



5 EXIT SIGN WIRING DIAGRAM  
SCALE: N.T.S.



6 EMERGENCY FIXTURE WIRING DIAGRAM  
SCALE: N.T.S.

Rev.	Date	Description
0	2/23/10	Design file no.

Designed by:	JRG	Checked by:	JRG	Reviewed by:	JRG	Submitted by:	BAKER
Date:	2/23/10	Design file no.:		Drawing code:		File name:	
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AFGHAN NATIONAL ARMY REGIONAL MILITARY TRAINING CENTER STANDARD DESIGN	ADMIN TRAINING COMPANY ELECTRICAL DETAILS
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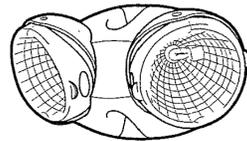
FIXTURE MARK 'A' & 'A2'



FIXTURE MARK 'C'



FIXTURE MARK 'H'



FIXTURE MARK 'E'



# LIGHT FIXTURE SCHEDULE

FIXTURE MARK	STYLE NUMBER AND TYPE	NUMBER AND TYPE OF LAMPS	VOLTAGE	MOUNTING	NOTES
A	PARABOLIC SURFACE/PENDANT MOUNTED 300MM X 1200MM FLUORESCENT FIXTURE WITH ELECTRONIC BALLAST	(2) 32W 3500K	220V - 1Ø 50HZ	PENDANT MOUNTED FROM CEILINGS	FURNISHED WITH ELECTRONIC BALLAST. PARABOLIC LOUVER SHALL BE SPECULAR LENS IRIDESCENCE TYPE.
A2	SAME AS FIXTURE 'A' WITH EMERGENCY BALLAST	(2) 32W 3500K	220V - 1Ø 50HZ	PENDANT MOUNTED FROM CEILINGS	FURNISHED WITH ELECTRONIC BALLAST. PARABOLIC LOUVER SHALL BE SPECULAR LENS IRIDESCENCE TYPE. EMERGENCY BALLAST SELF TEST.
C	INCANDESCENT ONE PIECE W/ APPROVED LENS STABILIZED HIGH IMPACT POLY CARBONATE.	(1) A19 - 100W INCANDESCENT	220V - 1Ø 50HZ	WALL MOUNTED ABOVE EXTERIOR DOORS	
H	REMOTE HEAD EXTERIOR LIGHT HEAD POWERED FROM EXIT SIGN BATTERY- 12V DOUBLE HEAD CORROSION RESISTANT WITH UL34 WEATHERPROOF CONSTRUCTION	(2) 12W/12V HALOGEN LAMP	12V - 1Ø 50HZ	EXTERIOR WALL MOUNTED AT TOP OF DOOR HEIGHT	
E	UNIVERSAL MOUNT ENGINEER GRADE THERMOPLASTIC HOUSING EXIT SIGN WITH LED LAMPS, RED LETTERS 6" IN HEIGHT WITH ARROWS AS INDICATED, WITH 12V CADMIUM BATTERY WITH REMOTE HEAD CAPABILITY	LED LAMPS	220V - 1Ø 50HZ	UNIVERSAL MOUNTING	

PANELBOARD ATCO1 SURFACE MOUNTED  
 AMP. MAIN LUGS (OR) 150 AMP. MAIN BREAKER W/ 150 AMP. TRIP  
 CIRCUIT BREAKER TYPE 380/220 VOLTS 3 PHASE 4 WIRE 50 HZ 225 AMP. BUS

Ckt. No.	TRIP AMPS	NO. POLES	WIRE MM <sup>2</sup>	GND MM <sup>2</sup>	CONDUIT MM	LOAD SERVED	LOAD-KVA			LOAD SERVED			CONDUIT MM	GND MM <sup>2</sup>	WIRE MM <sup>2</sup>	NO. POLES	TRIP AMPS	Ckt. No.	
							A0	B0	C0	A0	B0	C0							
1	20	1	4.0	4.0	20	LIGHTING - RM 100-104	2.6			1.0			20	4.0	4.0	1	20	2	
3	20	1	4.0	4.0	20	LIGHTING - RM 105-107		0.7			1.0		20	4.0	4.0	1	20	4	
5	20	2	4.0	4.0	20	ELECTRIC HEAT #2 - RM 106,107	2.6		2.6		1.0		20	4.0	4.0	1	20	6	
7	20	2	4.0	4.0	20	ELECTRIC HEAT #2 - RM 106,107			0.8				20	4.0	4.0	1	20	8	
9	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 105		2.0		0.8			20	4.0	4.0	1	20	10	
11	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 105			2.0		1.2		20	4.0	4.0	1	20	12	
13	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 105	2.0			1.0			20	4.0	4.0	1	20	14	
15	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 105		2.0			1.0		20	4.0	4.0	1	20	16	
17	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 104			2.0		1.0		20	4.0	4.0	1	20	18	
19	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 104	2.0			1.0			20	4.0	4.0	1	20	20	
21	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 104		2.0			0.4		20	4.0	4.0	1	20	22	
23	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 104			2.0		2.0		20	4.0	4.0	1	20	24	
25	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 104	2.0			2.0			20	4.0	4.0	2	20	26	
27	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 104		2.0		0.5			20	4.0	4.0	1	20	28	
29	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 103			2.0		1.0		20	4.0	4.0	1	20	30	
31	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 103	2.0			1.0			20	4.0	4.0	1	20	32	
33	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 106		2.0			2.0		20	4.0	4.0	2	20	34	
35	20	2	4.0	4.0	20	ELECTRIC HEAT #4 - RM 106			2.0		2.0		20	4.0	4.0	2	20	36	
37	20	1				SPARE										1	20	38	
39	20	1				SPARE										1	20	40	
41	20	1				SPARE										1	20	42	
							13.2	10.7	12.6	6.8	5.7	8.2	TOTAL CONN. LOAD PER PHASE (KVA): A0 20.0 B0 16.4 C0 20.8						
TOTAL CONN. LOAD							57.2	KVA.		70	% DEMAND = ESTIMATED DEMAND LOAD		40.0						

\* MAIN BREAKER SHALL BE 3P EARTH GROUND TYPE



Rev.	Date	Description
0	2/23/10	Design file no.
		Drawing code:
		File name:
		Plot date:
		Plot scale:

Designed by: JRG	Checked by: JRG	Reviewed by: JRG	Submitted by: BAKER
Dwn by: BUB			

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 ELECTRICAL LIGHT FIXTURE AND PANEL SCHEDULES

Sheet reference number:  
**E-601**

APPROVED:

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