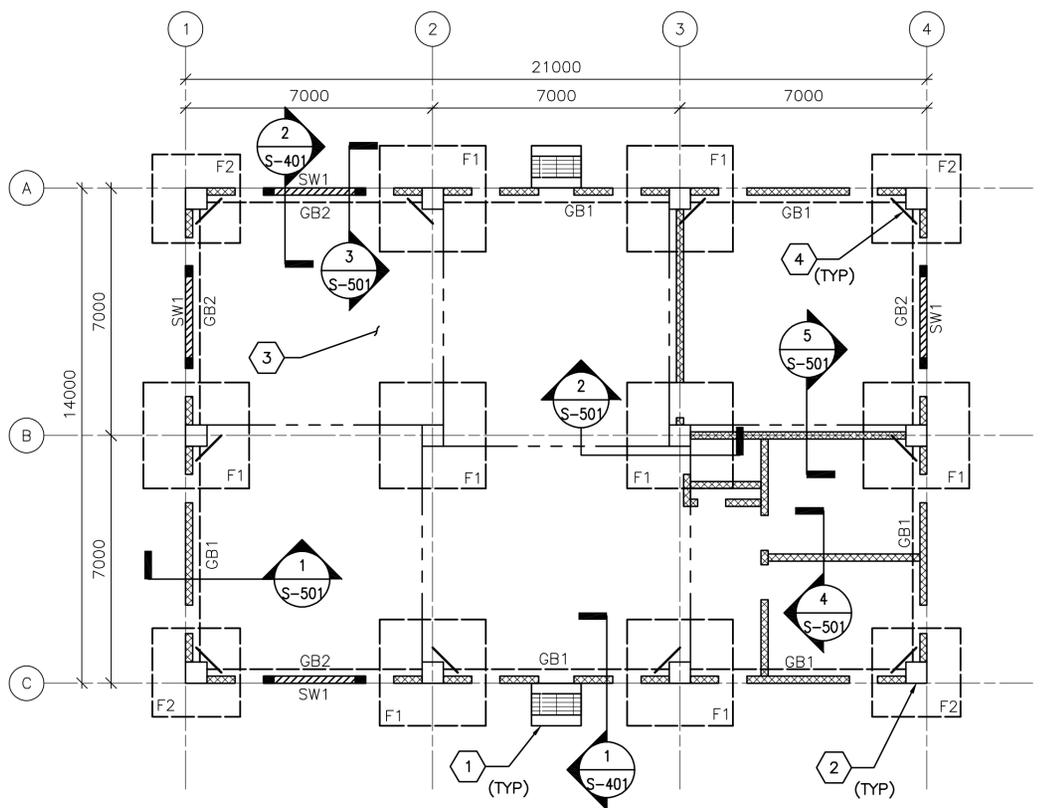
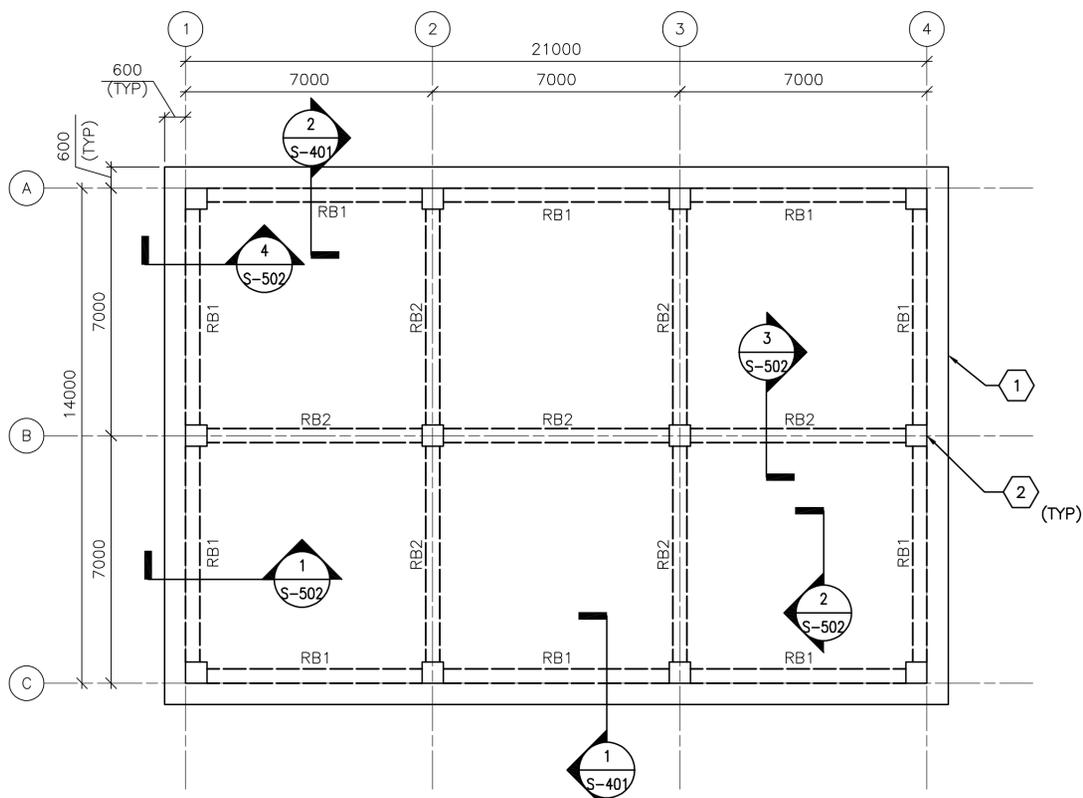




US ARMY CORPS OF ENGINEERS
AFGHANISTAN ENGINEER DISTRICT



1 FOUNDATION/SLAB PLAN
SCALE: 1:100



2 ROOF FRAMING PLAN
SCALE: 1:100

FOUNDATION/SLAB PLAN NOTES:

1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
2. FINISH FIRST FLOOR ELEVATION SHALL BE (DATUM 0.00) ALL PLUS OR MINUS DIMENSIONS INDICATED ON PLAN OR REFERRED TO IN NOTES RELATE TO FINISH FLOOR ELEVATION.
3. SLAB-ON-GRADE IS 150 WITH #13 @ 300 OC EW LOCATED 38 FROM T/SLAB.
4. TOP OF EXTERIOR FOOTINGS SHALL BE -950 UNLESS OTHERWISE INDICATED.
5. TOP OF INTERIOR FOOTINGS WITHOUT GRADE BEAM ABOVE SHALL BE -600.
6. COLUMN FOOTINGS INDICATED BY F# ON PLAN. REFER TO COLUMN FOOTING SCHEDULE ON SHEET S-601.
7. REFER TO COLUMN SCHEDULE ON SHEET S-601.
8. GRADE BEAM INDICATED BY GB# ON PLAN, REFER TO BEAM SCHEDULE ON SHEET S-601.
9. SHEARWALL INDICATED BY SW# ON PLAN, REFER TO SHEARWALL SCHEDULE ON SHEET S-601.
10. SEE TYP EXTERIOR AND INTERIOR CMU WALL REINFORCING DETAILS ON SHEET S-701.
11. SEE MECHANICAL AND ELECTRICAL SHEETS FOR CONCRETE PAD LOCATIONS, SIZES, AND THICKNESS NOT SHOWN. SEE SHEET S-701 FOR DETAILS.
12. THICKENED SLAB UNDER CMU PERIMETER & PARTITION WALLS NOT SHOWN FOR CLARITY.

FOUNDATION/SLAB PLAN KEY NOTES: (X)

1. CONC SLAB (ENTRANCE)-SEE ARCH DWGS FOR INFORMATION
2. REINF CONC COLUMN
3. REINF CONC SLAB-ON-GRADE
4. (2)-#13 RE-ENTRANT CORNER BARS (TYP) - SEE S-701 FOR INFORMATION

FOUNDATION/SLAB PLAN LEGEND:

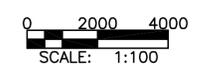
- REINFC CONC SHEAR WALL
- REINF CMU WALL
- CONTROL JOINT

ROOF FRAMING PLAN NOTES:

1. REFER TO SHEETS S-001 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
2. TOP OF SLAB ELEVATION = 3600 UNLESS NOTED OTHERWISE.
3. ROOF SLAB IS 250 WITH #16 @ 300 OC EW T&B.
4. ROOF BEAM INDICATED BY RB# ON PLAN. REFER TO BEAM SCHEDULE ON SHEET S-601.
5. COORDINATE WITH ARCHITECTURAL SHEETS FOR COLD-FORMED STEEL OVERBUILD FRAMING ABOVE ROOF SLAB.
6. COLD-FORMED METAL OVERBUILD ROOF FRAMING NOT SHOWN FOR CLARITY. SEE OVERBUILD ROOF FRAMING DETAILS AND SECTIONS ON SHEET S-702.
7. CMU PARTITION WALLS (BELOW ROOF SLAB) NOT SHOWN FOR CLARITY.
8. OVERHANG AREAS OF ROOF SLAB CONTAIN ROOF VENT PENETRATIONS. REFERENCE ARCHITECTURAL DRAWINGS FOR INFORMATION.

ROOF FRAMING KEY NOTES: (X)

1. CONC ROOF SLAB (BELOW ROOF OVERBUILD)
2. REINF CONC COLUMN (BELOW CONC ROOF SLAB)



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

APPROVED:

Chris M. [Signature]

A/E DESIGNER OF RECORD

SEAL:



Rev.	Date	Description	Appr.	Date
0	2/23/10			

Designed by:	KMP/MMY	Checked by:	CGW
Dwn by:	RCG	Reviewed by:	LHM
Submitted by:	BAKER		

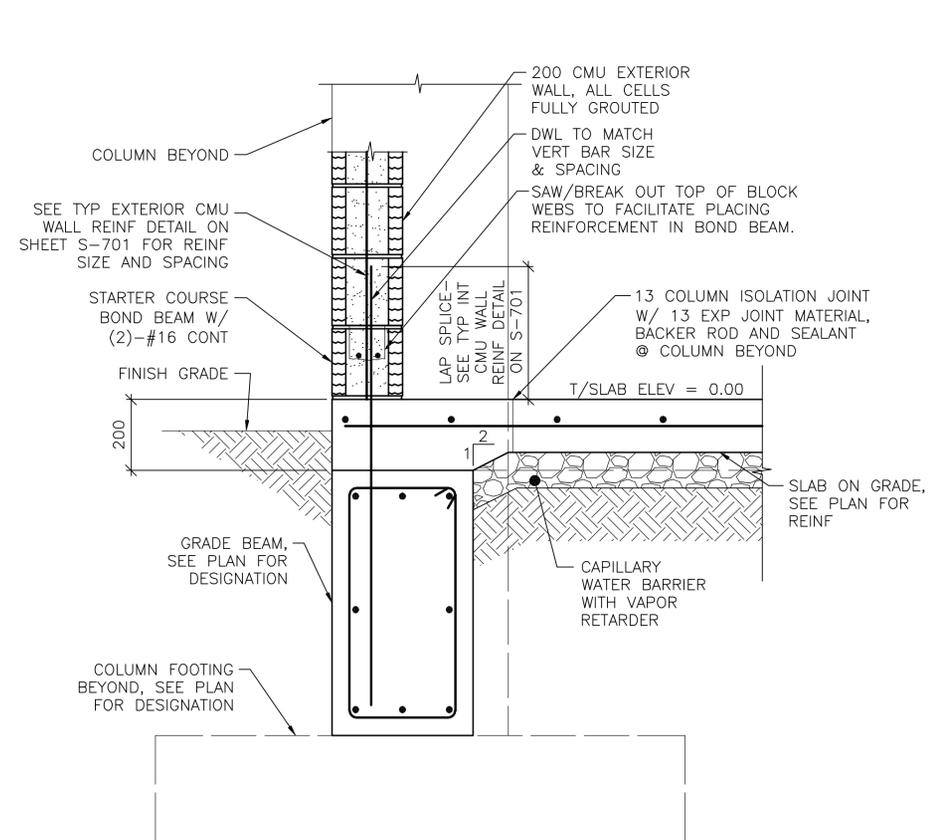
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ROOF FRAMING PLANS

Sheet reference number:
S-101

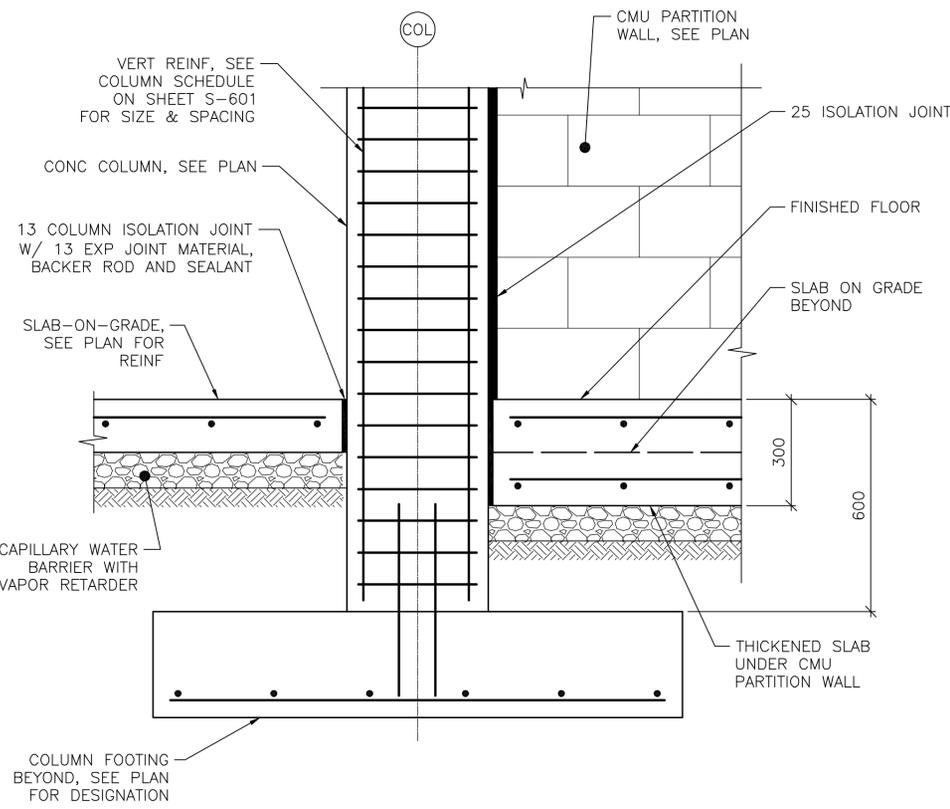


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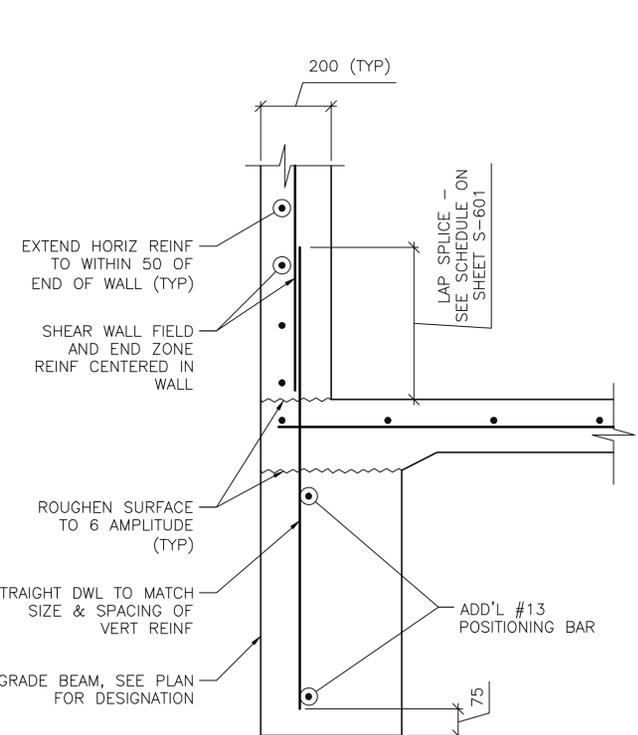


NOTE:
 1. SECTION IS SIMILAR FOR INTERIOR CMU PARTITIONS OVER GRADE BEAMS SHOWING THICKENED 200 CONC SLAB AREA.

1 SECTION
 S-101 SCALE: 1:10

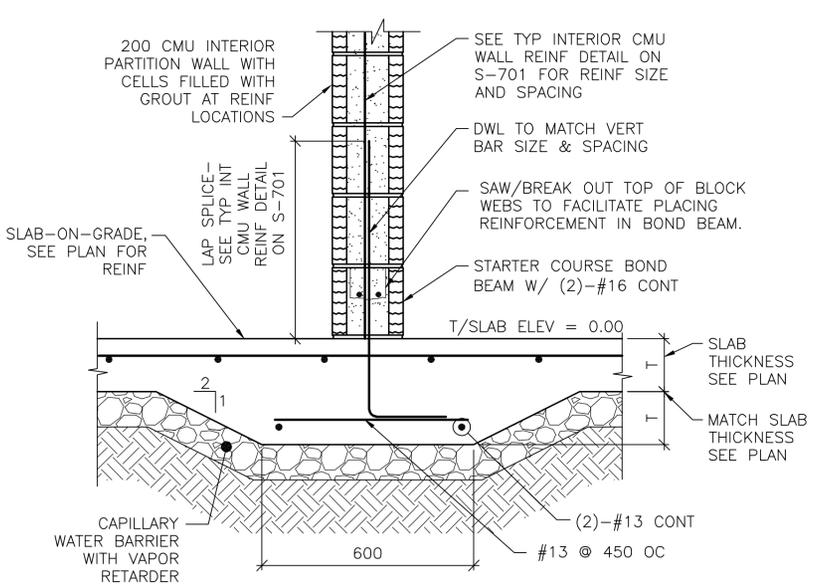


2 SECTION
 S-101 SCALE: 1:10

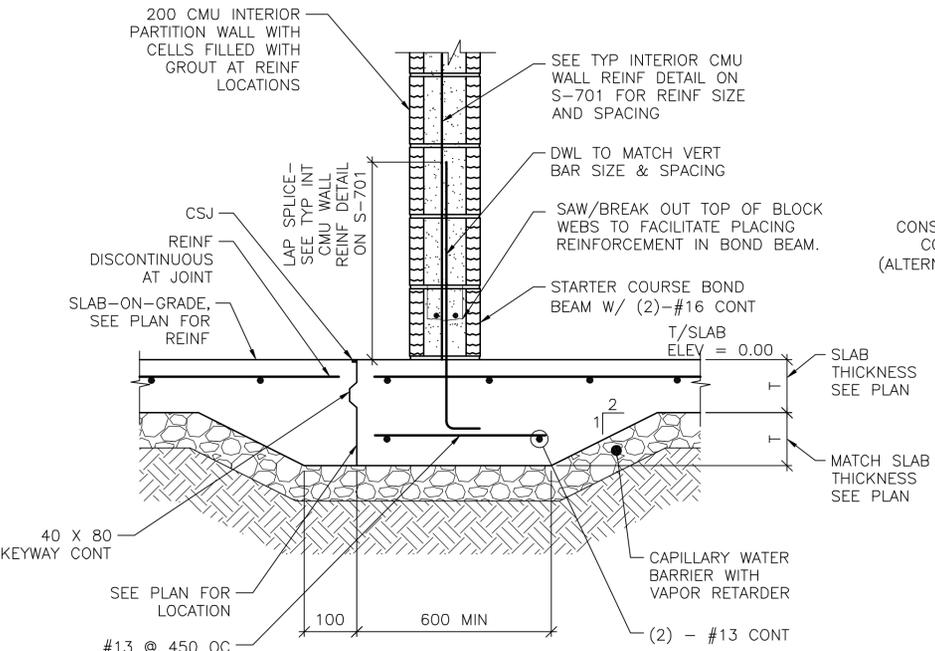


NOTE:
 1. SECTION DEPICTS SHEAR WALL TERMINATION ONLY. GRADE BEAM REINFORCING NOT SHOWN FOR CLARITY
 2. SEE SHEET S-601 AND SHEET S-702 FOR SCHEDULED FIELD AND END ZONE REINF.

3 SECTION
 S-101 SCALE: 1:10

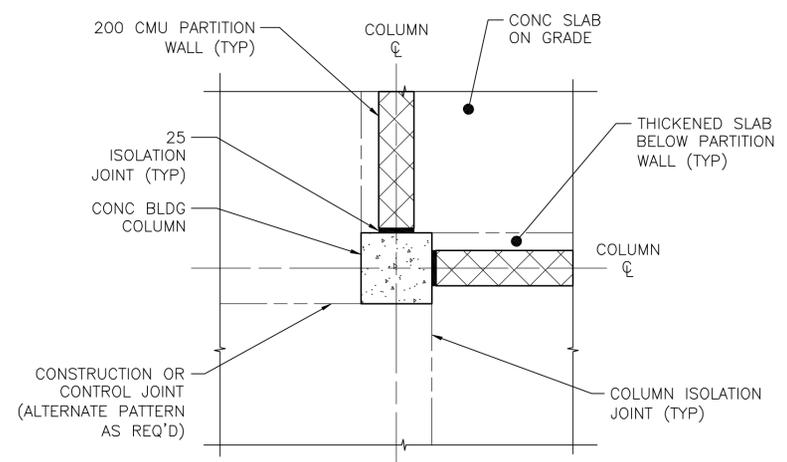


4 SECTION
 S-101 SCALE: 1:10



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



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

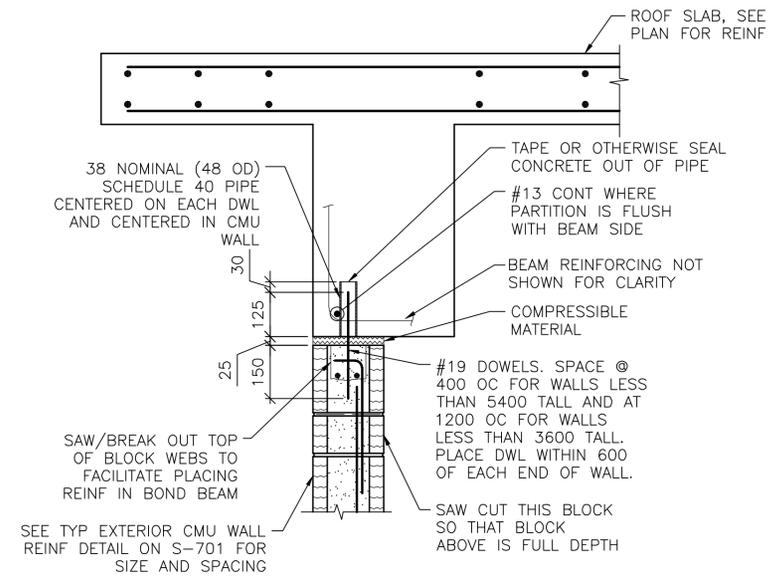
APPROVED:
Chris M. [Signature]
 A/E DESIGNER OF RECORD



Designed by:	KCP/AMMY	Date:	2/23/10
Dwn by:	RCG	Design file no.:	
Reviewed by:	LHM	Drawing code:	ANAFORS-601SC
Submitted by:	BAKER	File name:	ANAFORS-601SC
		Plot date:	2/22/2010
		Plot scale:	1:10

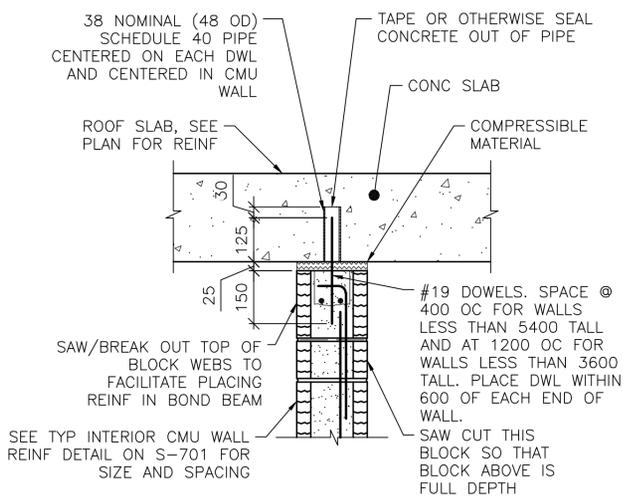
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 FOUNDATION SECTIONS

Sheet reference number:
S-501



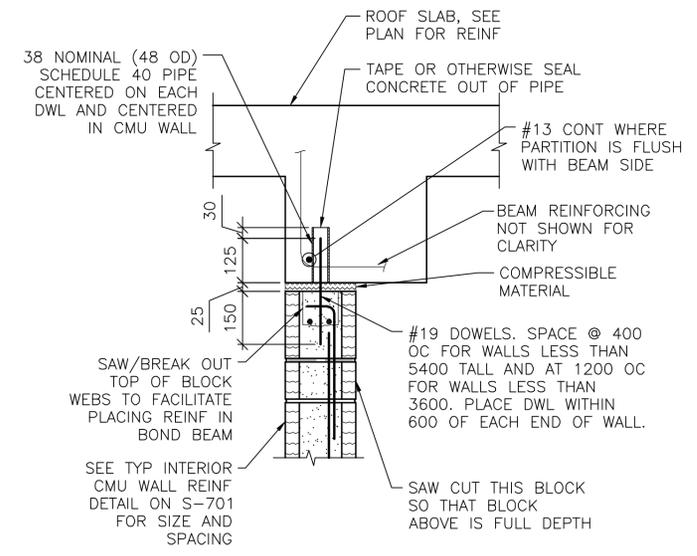
NOTES:
 1. EXTEND DOWEL REINF TO 25 CLEAR FROM TOP OF CMU WALL.

1 SECTION
 S-101 SCALE: 1:10



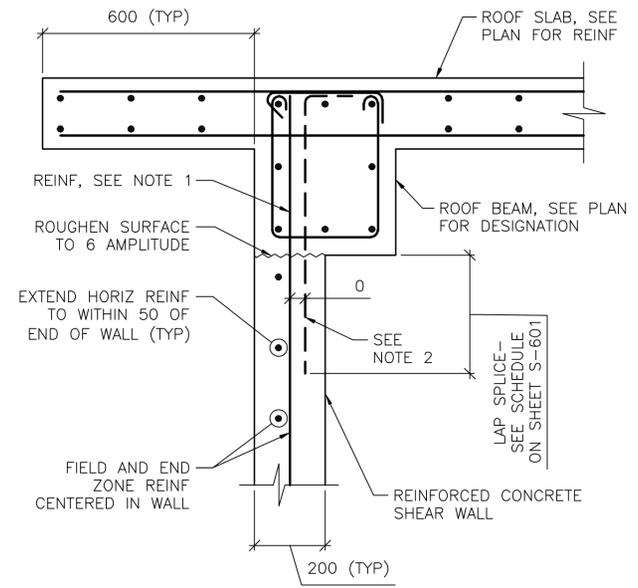
NOTES:
 1. EXTEND DOWEL REINF TO 25 CLEAR FROM TOP OF CMU WALL.
 2. SLAB REINF NOT SHOWN FOR CLARITY.

2 SECTION
 S-101 SCALE: 1:10



NOTES:
 1. EXTEND DOWEL 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)

APPROVED:
Chris M. [Signature]
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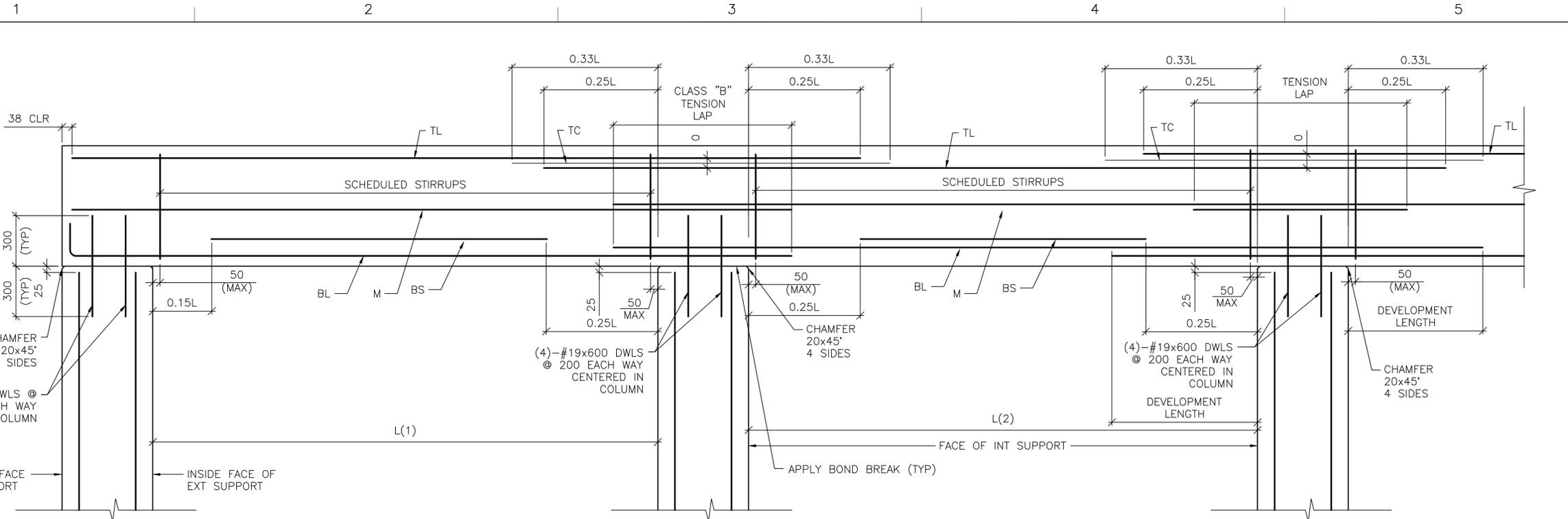


Rev.	Date	Description
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		Mark
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		Date

Designed by:	KMP/MMY
Dwn by:	RCG
Reviewed by:	LHM
Submitted by:	BAKER
File name:	ANAMQFS-629C
Plot date:	2/23/2010
Plot scale:	xx

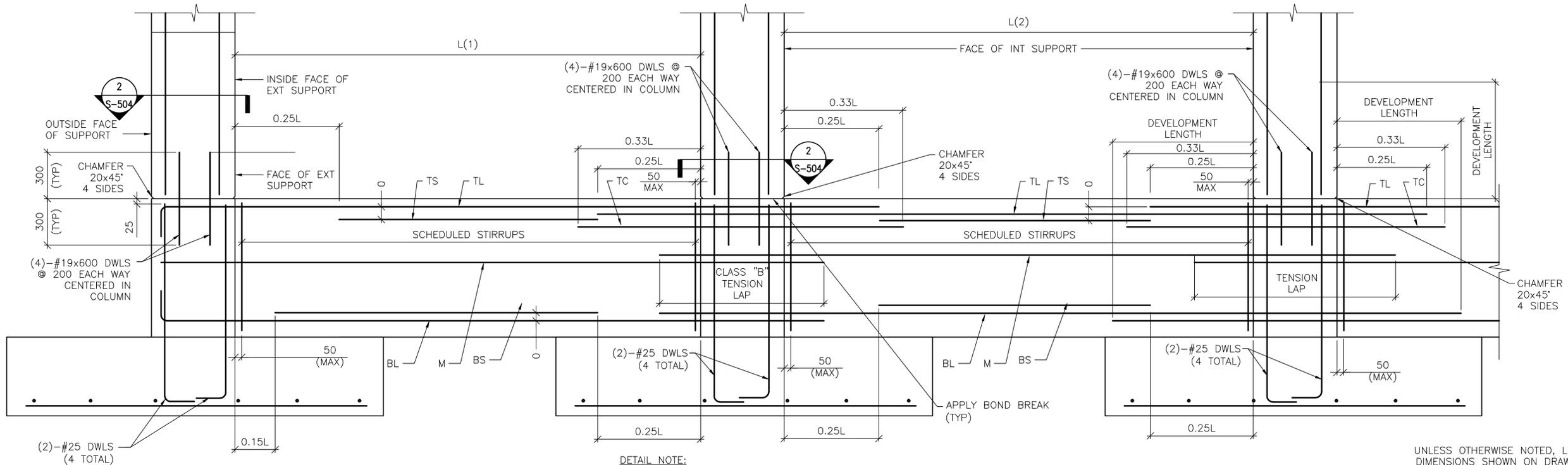
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 FRAMING SECTIONS

Sheet reference number:
 S-502



DETAIL NOTE:
 1. WORK THIS DETAIL WITH BEAM SCHEDULE ON SHEET S-601.
 2. L=GREATEST OF ADJACENT SPANS L(1) OR L(2)
 3. ONLY COLUMN CORNER BARS ARE SHOWN

1
S-503
ROOF BEAM REINFORCING DETAIL
 SCALE: NTS



DETAIL NOTE:
 1. WORK THIS DETAIL WITH BEAM SCHEDULE ON SHEET S-601.
 2. L=GREATEST OF ADJACENT SPANS L(1) OR L(2)
 3. ONLY COLUMN CORNER BARS ARE SHOWN.

2
S-503
GRADE BEAM REINFORCING DETAIL
 SCALE: NTS

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

APPROVED:
Chris White
 A/E DESIGNER OF RECORD
 SEAL:



US ARMY CORPS OF ENGINEERS
 AFGHANISTAN ENGINEER DISTRICT

Rev.	Date	Description

Designed by:	KMP/MMY	Checked by:	RCG/CWW
Dwn by:	RCG	Reviewed by:	LHM
Submitted by:	BAKER	File name:	ANAMORS-0007
Date:	2/23/10	Design file no.:	
Plot date:	2/22/10	Plot scale:	XX

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 BEAM & COLUMN DETAILS

Sheet reference number:
S-503

CONCRETE REINFORCEMENT TENSION DEVELOPMENT/LAP SPLICE SCHEDULE

f'c = 28 MPa					
BAR SIZES	LAP CLASS	UNCOATED BARS			
		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#10 TO #19	A	50 BAR DIA	74 BAR DIA	38 BAR DIA	57 BAR DIA
	B	64 BAR DIA	96 BAR DIA	50 BAR DIA	74 BAR DIA
#22 TO #57	A	62 BAR DIA	93 BAR DIA	48 BAR DIA	71 BAR DIA
	B	80 BAR DIA	121 BAR DIA	62 BAR DIA	93 BAR DIA

- NOTES:**
- TABULATED TENSION DEVELOPMENT LENGTH VALUES ARE TAKEN FROM CRSI DESIGN HANDBOOK 2008 10TH ED.
 - TENSION DEVELOPMENT & TENSION LAP SPLICE LENGTHS ARE EXPRESSED AS MULTIPLES OF BAR DIAMETERS.
 - TABULATED VALUES ARE BASED ON MINIMUM YIELD STRENGTH OF REINFORCEMENT, fy, OF 420MPa.
 - CONCRETE IS NORMAL WEIGHT (2400Kg/m³) AND 28 DAY COMPRESSIVE STRENGTH = 28MPa.
 - TABULATED VALUES FOR BEAMS & COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MINIMUM CODE REQUIREMENTS.
 - CASES 1 & 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL MEMBER, CONCRETE COVER, AND CENTER-TO-CENTER SPACING OF THE BARS ARE DEFINED IN THE TABLE BELOW.
 - LAP SPLICE LENGTHS (MINIMUM 300mm) ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS: CLASS A = 1.0(TENSION DEVELOPMENT LENGTH) & CLASS B = 1.3(TENSION DEVELOPMENT LENGTH)
 - TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 300mm OF CONCRETE CAST BELOW THE BARS.
 - IT SHALL BE PERMISSIBLE TO CALCULATE WALL AND SLAB REINFORCEMENT TENSION DEVELOPMENT/SPLICE LENGTHS IN ACCORDANCE WITH ACI 12.2.3 OR TABLE 5.3(b) OF CRSI 2008 IN LIEU OF VALUES TABULATED ABOVE.

BEAMS, COLUMNS	CASE 1	CONCRETE COVER AT LEAST 1 BAR DIA AND CENTER-TO-CENTER SPACING AT LEAST 2 BAR DIA
	CASE 2	CONCRETE COVER LESS THAN 1 BAR DIA OR CENTER-TO-CENTER SPACING LESS THAN 2 BAR DIA
ALL OTHERS	CASE 1	CONCRETE COVER AT LEAST 1 BAR DIA AND CENTER-TO-CENTER SPACING AT LEAST 3 BAR DIA
	CASE 2	CONCRETE COVER LESS THAN 1 BAR DIA OR CENTER-TO-CENTER SPACING LESS THAN 3 BAR DIA

CONCRETE COVER SCHEDULE

MINIMUM CONCRETE COVER PROTECTION FOR REINFORCEMENT BARS SHALL BE AS LISTED BELOW: (SEE ACI 318M-05, SECTION 7.7 FOR CONDITIONS NOT NOTED). DIMENSIONS FOR BAR PLACEMENT GIVEN IN SECTIONS AND DETAILS SHALL SUPERSEDE MINIMUM COVER REQUIREMENTS GIVEN HERE. DIMENSIONS ARE IN mm. PROVIDE STANDARD BAR CHAIRS AND SUPPORT BARS @1200mm MAXIMUM AS REQUIRED TO MAINTAIN CONCRETE PROTECTION SPECIFIED.

FOOTINGS (EARTH FORMED):	70
COLUMNS / PIERS (TO TIES)	40
GRADE BEAMS OR SLAB TURNED DOWN EDGES:	
TOP	40
BOTTOM (EARTH FORMED)	70
SIDES (EARTH FORMED)	70
SIDES (BOARD FORMED)	#16 BAR & SMALLER #19 THRU #36 BAR
ELEVATED BEAMS & SLABS:	
BEAM TIES & STIRRUPS (NOT EXPOSED TO WEATHER)	40
BEAM TIES & STIRRUPS (EXPOSED TO WEATHER)	50
FLOOR SLABS (NOT EXPOSED TO WEATHER)	20
FLOOR SLABS (EXPOSED TO WEATHER)	
#19 & LARGER	50
#13 & SMALLER	40
ROOF SLAB BARS	25
SLABS ON GRADE	
NOT EXPOSED TO WEATHER (FROM TOP)	20
EXPOSED TO WEATHER (FROM TOP)	40
UTILITY TUNNEL WALLS, RETAINING WALLS AND SHEAR WALLS. (NO SURFACES SHALL BE EARTH FORMED)	
EARTH SIDE AND FRONT SIDE (EXPOSED TO WEATHER)	
#16 BAR AND SMALLER	40
#19 THRU #36 BAR	50

COLUMN FOOTING SCHEDULE

MARK	FOOTING SIZE (mm)			FOOTING REINFORCING	REMARKS
	LENGTH	WIDTH	THICKNESS		
F1	3000	3000	300	(8)-#22 EW BOTT	-----
F2	2500	2500	250	(7)-#19 EW BOTT	-----

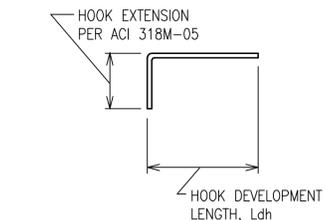
CONCRETE SHEAR WALL SCHEDULE

MARK	TYPE	WALL LENGTH (L) (mm)	WALL REINFORCEMENT		REMARKS
			END ZONE	FIELD	
SW1	A	2900	(5)-#19 @ 220mm OC	#13 @ 300mm OC	-----

- NOTES:**
- WORK THIS SCHEDULE WITH SHEAR WALL DETAILS ON SHEETS S-702
 - SEE PLAN FOR LOCATION OF SHEAR WALL(S).
 - VERTICAL "FIELD" BARS MAY BE OMITTED IN LOCATION OF "END ZONE" REINFORCEMENT.
 - WALL FIELD REINF LISTED APPLIES TO VERT & HORIZ BARS.
 - WALL FIELD REINFORCEMENT CENTERED IN WALL.

STANDARD HOOKS IN TENSION PER (ACI 318M-05)

HOOK DEVELOPMENT LENGTH (mm)	
BAR SIZE	f'c 28 MPa
#10	180
#13	250
#16	300
#19	380
#22	430
#25	480
#29	560
#32	610
#36	690

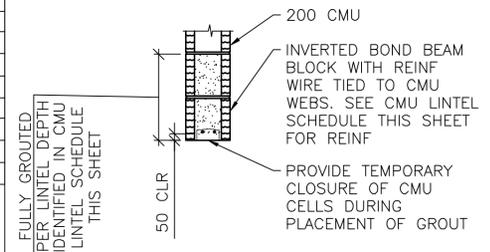


- NOTES:**
- CONCRETE IS NORMAL WEIGHT CONCRETE.
 - BAR YIELD STRENGTH, fy = 420 MPa
 - SIDE COVER REQUIREMENTS OF ACI SECT. 12.5.3 ARE ASSUMED TO NOT BE MET.
 - TIE OR STIRRUP REQUIREMENTS OF ACI SECT. 12.5.3 ARE ASSUMED TO NOT BE MET.
 - REDUCTION FOR EXCESS REINFORCEMENT IS NOT TAKEN.
 - HOOK DEVELOPMENT LENGTH IS VALID FOR 180° HOOKS ALSO.

CMU OR CAST IN PLACE CONC LINTEL SCHEDULE (TYP)

OPENING TYPE OR SIZE, BEAM LOCATION OR TYPE	MAX SPAN (mm)	LINTEL DEPTH (mm)	REINFORCING BOTTOM
WALL OPENING	4000	600	(2)-#16 T&B
WALL OPENING	1900	400	(2)-#16 T&B
WALL OPENING	1000	400	(2)-#13 B

- NOTES:**
- STRUCTURAL SHEETS DO NOT INDICATE ALL OPENINGS IN MASONRY WALLS. VERIFY NUMBER, SIZE AND LOCATION OF ALL OPENINGS IN MASONRY WALLS FROM ARCHITECTURAL SHEETS AND APPROVED PLUMBING, MECHANICAL, AND ELECTRICAL SHOP DRAWINGS.
 - PROVIDE 200mm BEARING EA END.
 - FOR HEAD DETAILS REFER TO ARCHITECTURAL SHEETS.
 - REINFORCING SHALL BE ASTM A615M, GRADE 420. GROUT FOR CMU LINTELS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 14 MPa AT 28 DAYS.
 - CONTRACTOR SHALL SUBMIT FOR APPROVAL SHOP DRAWINGS AND SCHEDULES SHOWING SIZE, SPAN, REINFORCEMENT, DETAILS, LOCATIONS, ETC.



FULLY GROUTED PER LINTEL DEPTH IDENTIFIED IN CMU LINTEL SCHEDULE THIS SHEET

LINTEL DETAIL
SCALE: NTS

BEAM SCHEDULE

MARK	BEAM SIZE (mm)		BEAM REINFORCING						STIRRUPS			REMARKS
	DEPTH	WIDTH	BL	BS	TL	TS	TC	M	SIZE	TYPE	SPACING	
GRADE BEAMS												
GB1	750	400	(2)-#16	(1)-#16	(2)-#16	---	---	---	#13	S3 + T9	d/2	-----
GB2	750	400	(2)-#25	(1)-#25	(2)-#25	---	---	---	#13	S3 + T9	d/2	-----
ROOF BEAMS												
RB1	600	400	(2)-#22	(1)-#22	(2)-#19	---	---	---	#13	S3 + T9	d/2	-----
RB2	600	400	(2)-#19	(1)-#19	(2)-#19	---	---	---	#13	S3 + T9	d/2	OMIT "M" BARS IN INTERIOR BEAMS

- NOTES:**
- WORK THIS SCHEDULE WITH BEAM REINFORCING DETAILS ON SHEETS S-503 AND S-504.
 - HOOCS SHOWN ON SECTIONS AND DETAILS SHALL BE 90° STD UON.
 - USE ONLY (1) TC AT BEAM COLUMN INTERSECTION WHERE REQ'D.

COLUMN SCHEDULE

DESCRIPTION	TYP UON	---	---	---
COLUMN MARK				
TYPE	8-BAR	---	---	---
DIMENSIONS	600mm SQ	---	---	---
VERTICAL REINFORCEMENT	(8)-#25	---	---	---
TIES	#13 @ d/2	---	---	---
TOP OF ROOF ELEVATION	3600mm	---	---	---
TOP OF GRADE BEAM ELEVATION	-200mm	---	---	---
TOP OF FOOTING ELEVATION	-950mm	---	---	---

- NOTES:**
- WORK THIS SCHEDULE WITH COLUMN DETAILS ON SHEET S-504.
 - SEE FOOTING SCHEDULE ON THIS SHEET FOR FOOTING INFORMATION.
 - COLUMN TIES: INTERIOR TIES TO MATCH SIZE & SPACING OF PERIMETER TIES.
 - HOOCS SHOWN ON SECTIONS & DETAILS SHALL BE 90° STD UON.

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

APPROVED: *Chris White*
A/E DESIGNER OF RECORD

SEAL: .



Date	Appr.	Description	Mark

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

Date: 2/23/10
 Design file no.:
 Drawing code:
 File name: ANA005-001504
 Plot date: 2/23/2010
 Plot scale: 1:1

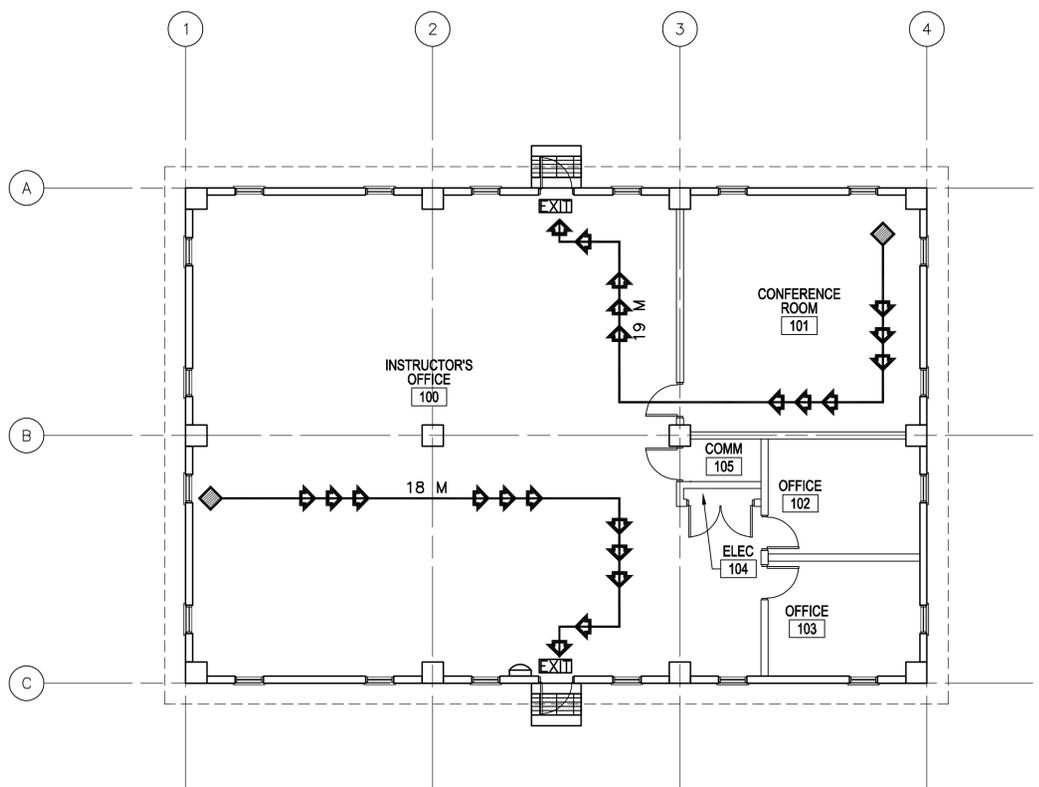
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S-601



US ARMY CORPS OF ENGINEERS
AFGHANISTAN
ENGINEER DISTRICT



1 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
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: 19 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



Date	Rev.	Description	Appr.
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Date: 2/23/10
 Design file no.:
 Drawing code:
 File name: ANA00FA-001SP
 Plot date: 2/23/2010
 Plot scale: x:k

Designed by: KRC
 Dwn by: EBB
 Cld by: NLJ
 Reviewed by: LHM
 Submitted by: BAKER

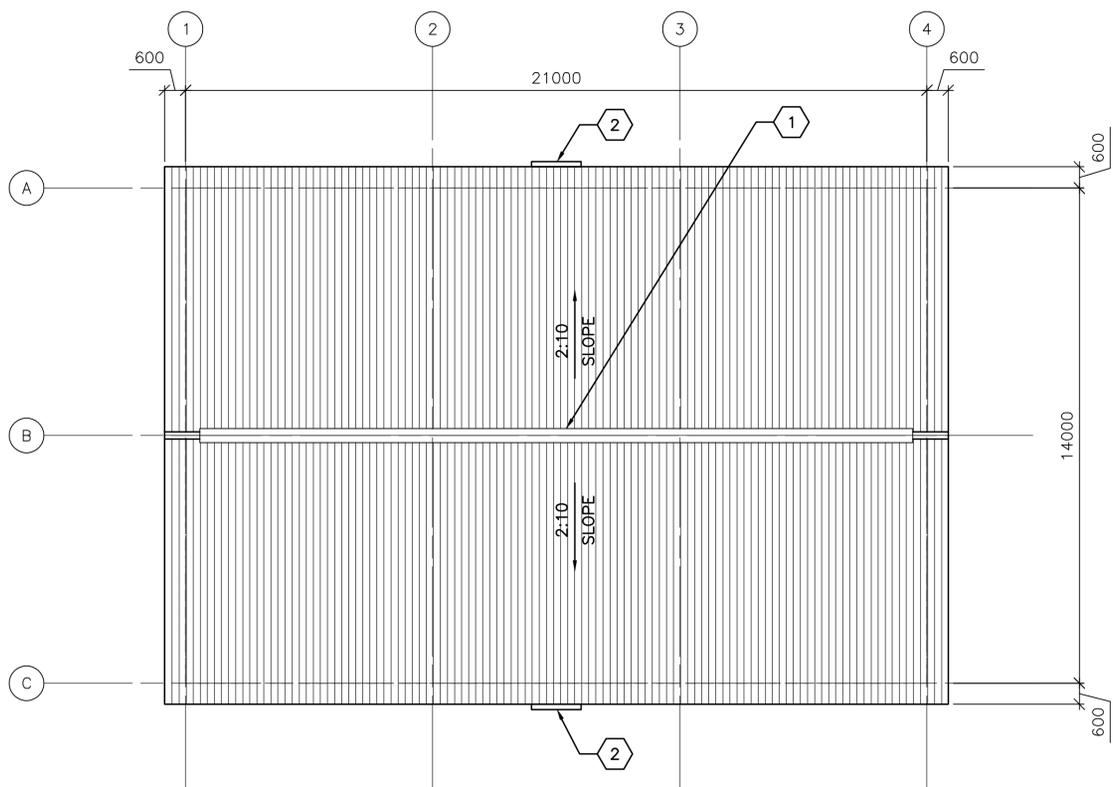
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 AFGHANISTAN ENGINEER DISTRICT
 APO AE 96338
 Michael Baker Jr., Inc.
 A Unit of Michael Baker Corporation
 Airside Business Park
 100 Airside Drive, PA 15108
 www.mbakercorp.com

APPROVED: *[Signature]*
 A/E DESIGNER OF RECORD
 SEAL:

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 STANDARD DESIGN
 ADMIN INSTRUCTORS OFFICE
 LIFE SAFETY PLAN



Sheet reference number: A-001



1
A-201
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	Mark	Appr.	Date
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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: EBB	Reviewed by: LHM	Date:	2/23/10
Submitted by: BAKER	Drawing code:	Design file no.:	
		File name:	ANAMQFA-028P
		Plot date:	2/23/2010
		Plot scale:	1:100

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ROOF PLAN

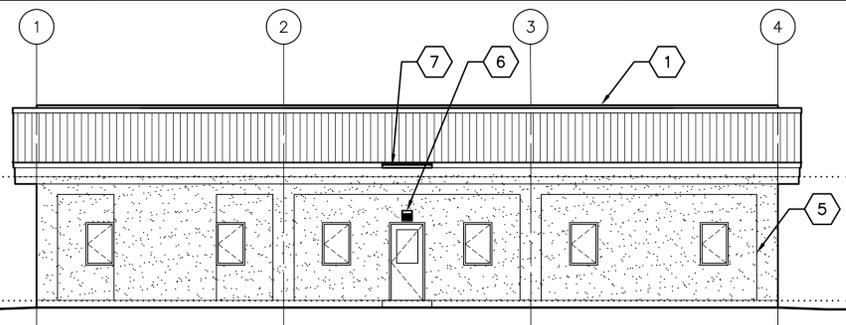
APPROVED:
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SEAL:
STATE OF SOUTH CAROLINA
KEVIN R. CHAFIN
N. Charleston, SC
6374
REGISTERED ARCHITECT

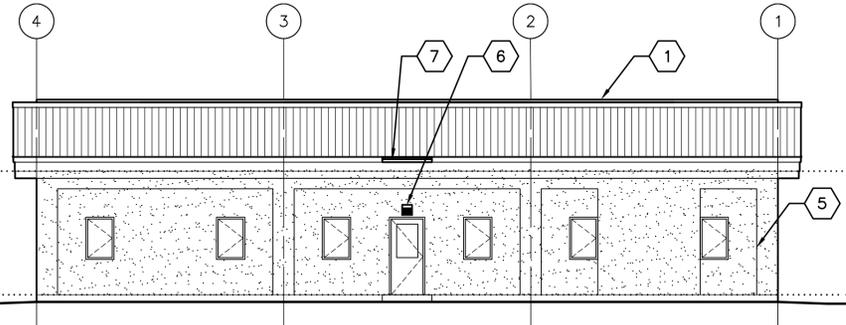
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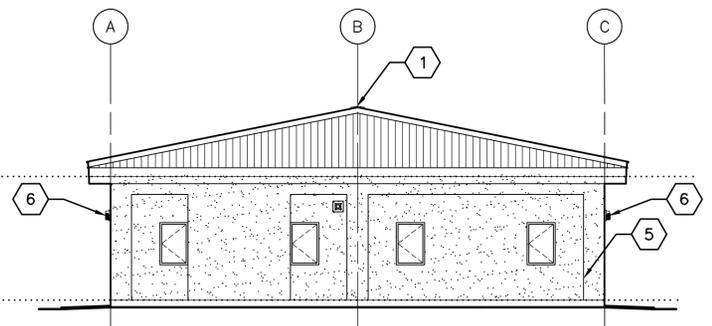
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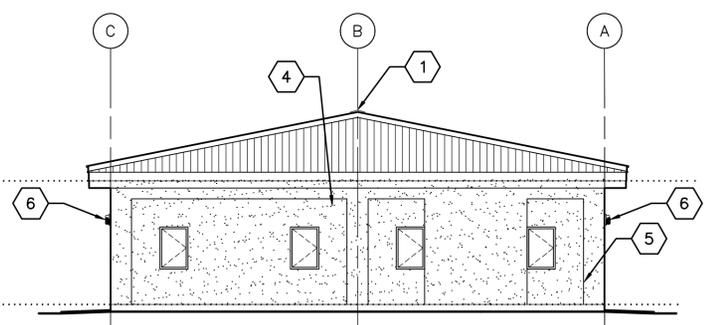
1 ELEVATION
A-201 SCALE: 1:100



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
0		

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	Date: 2/23/10	Rev: 0
Dwn by: EBB	Reviewed by: LHM	Design file no.:	Drawing code: ANAMQFA-201ELEV
Submitted by: BAKER		File name: ANAMQFA-201ELEV	Plot date: 2/23/2010
U.S. ARMY CORPS OF ENGINEERS AFGHANISTAN ENGINEER DISTRICT APO AE 96338		Plot scale: 1:100	
Michael Baker, Inc. A unit of Michael Baker Corporation Arlside Business Park 100 Arlside Drive, PA, 15108 www.mbakercorp.com			

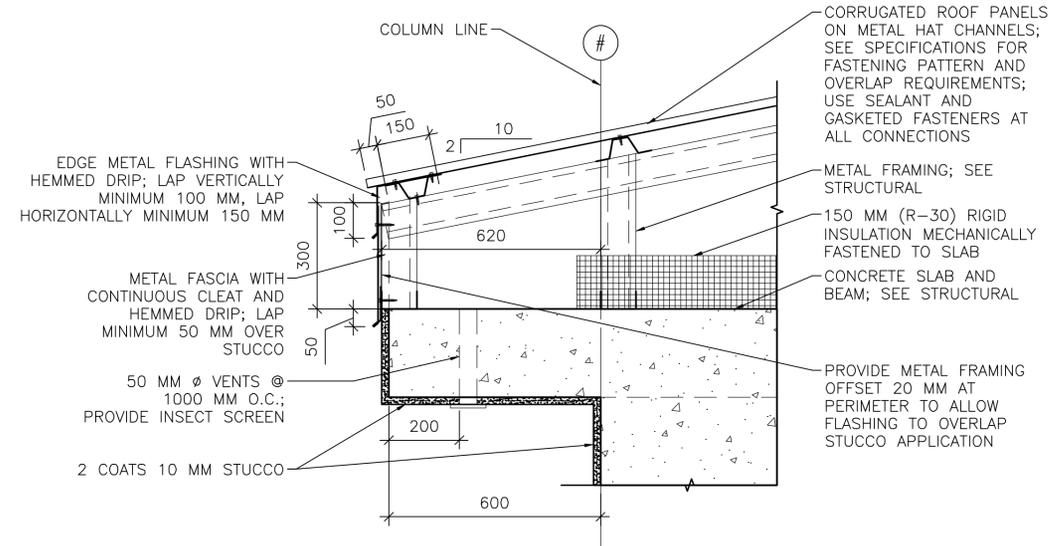
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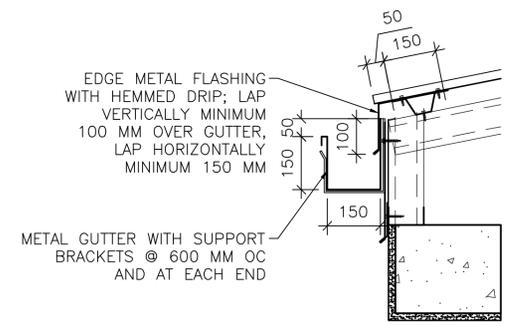
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A-201

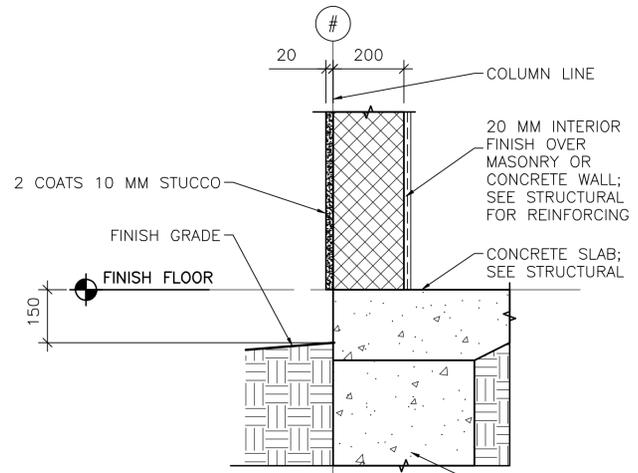
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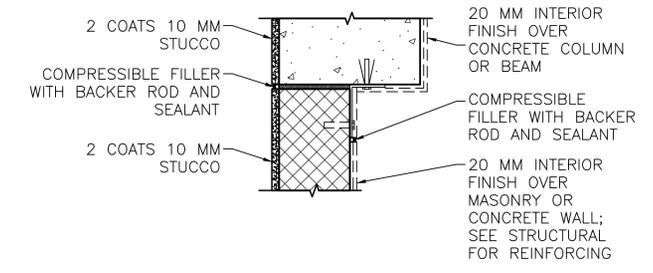
1 EAVE DETAIL
SCALE 1:10



1A GUTTER DETAIL
SCALE 1:10

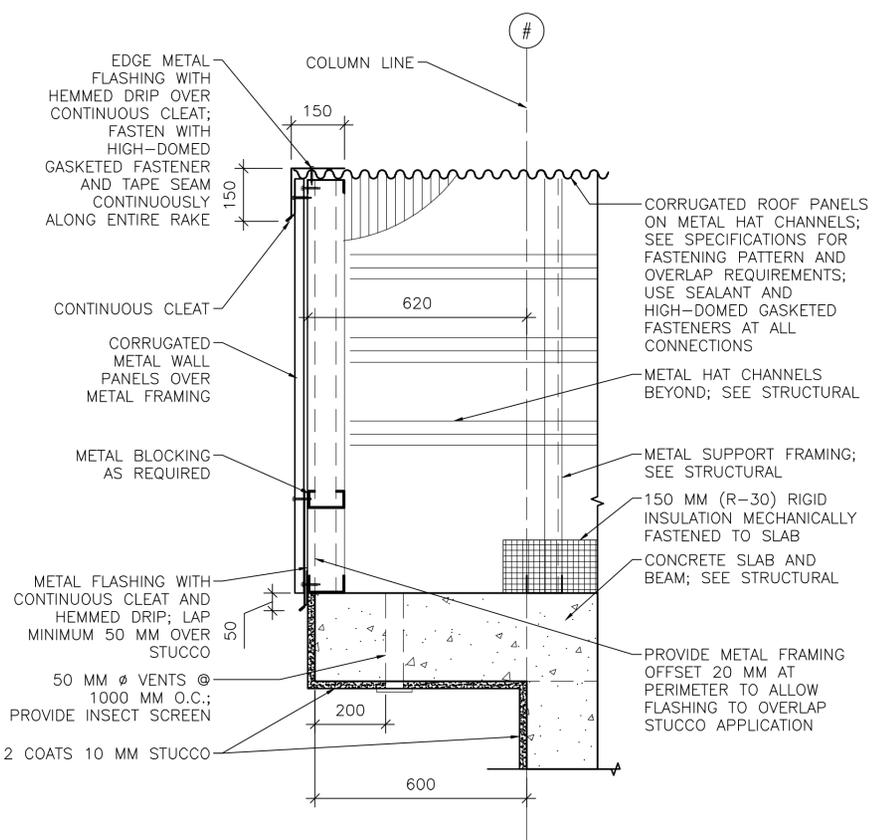


2 STUCCO BASE DETAIL
SCALE 1:10

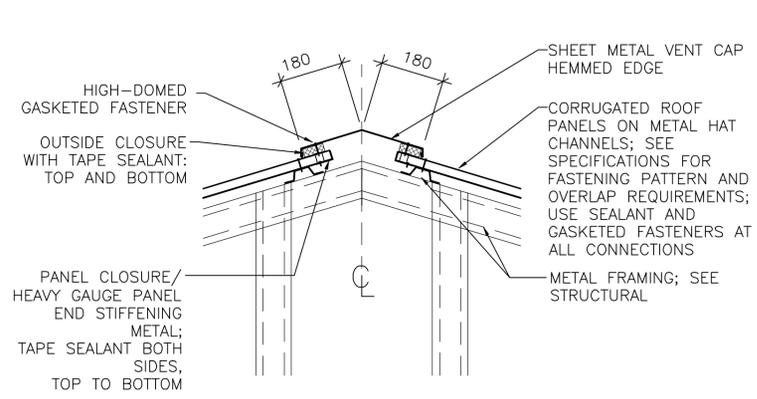


2A STUCCO JOINT DETAIL
SCALE 1:10

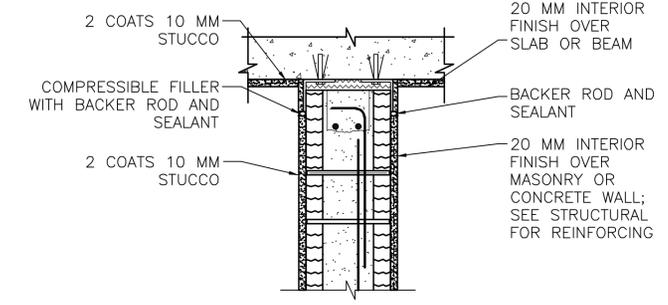
NOTE: DETAIL TYPICAL AT ALL WALL/COLUMN AND WALL/BEAM LOCATIONS, SEE ALTERNATE BRACING DETAIL BELOW 2B/A-501.



3 RAKE/EAVE DETAIL
SCALE 1:10



4 RIDGE VENT DETAIL
SCALE 1:10



2B ALTERNATE BRACING DETAIL
SCALE 1:10

INTERIOR WALL/BEAM

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

0 200 400
SCALE: 1:10

APPROVED: *X. P. Cl...*
A/E DESIGNER OF RECORD

SEAL:



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AFGHANISTAN ENGINEER DISTRICT

Rev.	Date	Description	Mark	Appr.	Date

Designed by: KRC
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Crd by: NLJ
Reviewed by: LHM
Submitted by: BAKER

Date: 2/23/10
Design file no.:
Drawing code: ANA00FA-0010T
File name: ANA00FA-0010T
Plot date: 2/23/2010
Plot scale: x:k

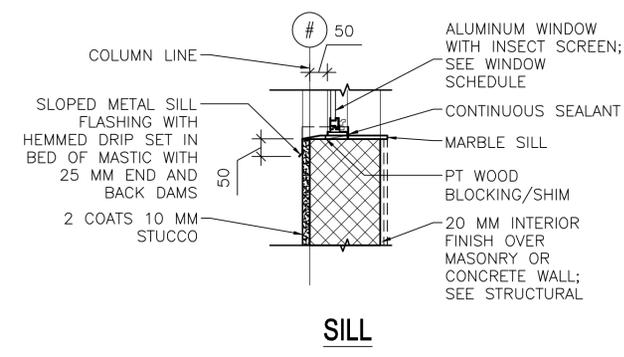
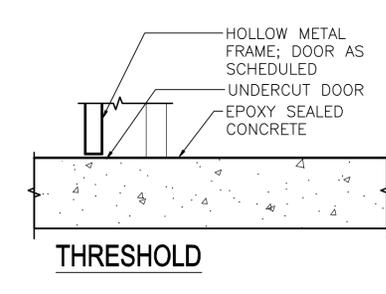
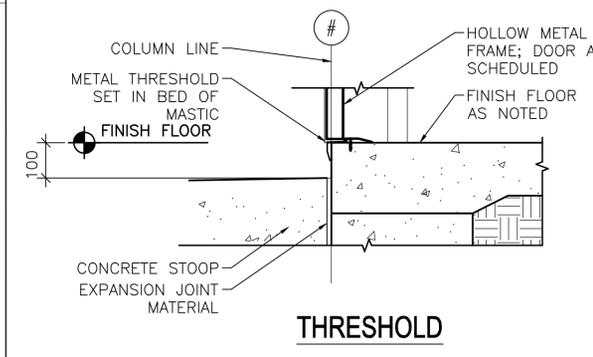
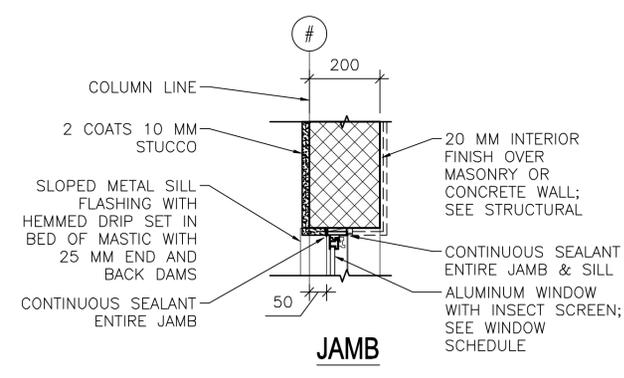
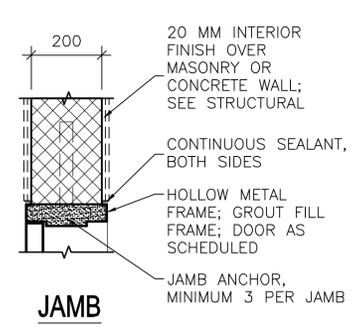
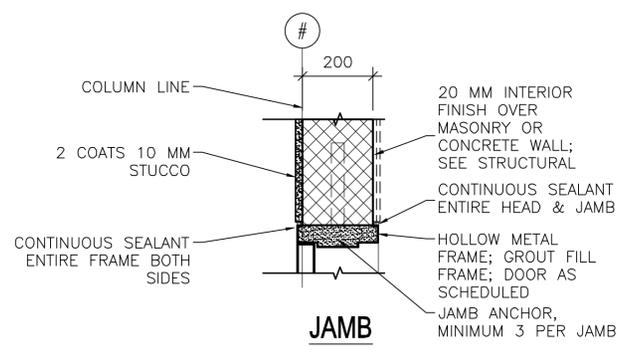
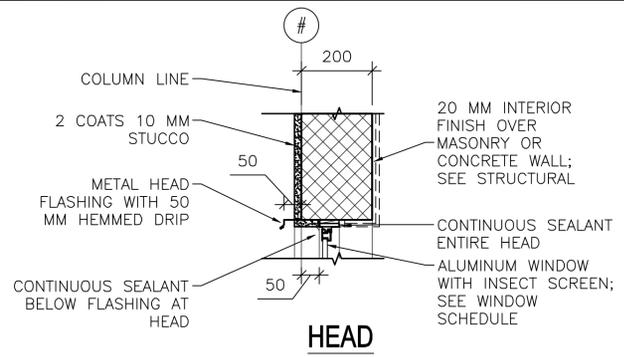
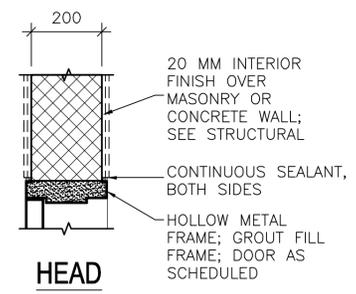
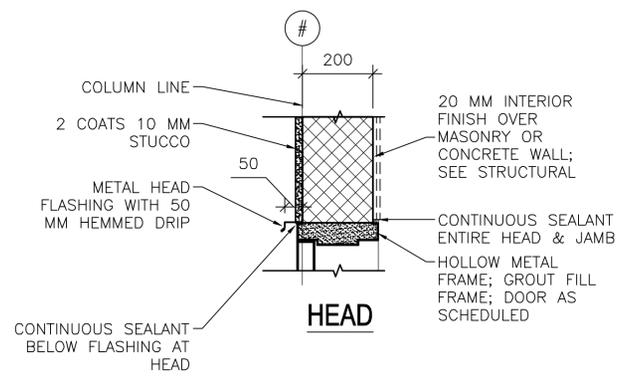
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EXTERIOR DETAILS

Sheet reference number:
A-501



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

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

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



Rev.	Date	Description	Mark	Date	Appr.
0	2/23/10	Design file no.			
		Drawing code:			
		File name: ANA00FA-0204S			
		Plot date: 2/23/2010			
		Plot scale: x:1			

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Designed by: KRC
Dwn by: EBB
Ctd by: NLJ
Reviewed by: LHM
Submitted by: BAKER

Date: 2/23/10
Design file no.
Drawing code:
File name: ANA00FA-0204S
Plot date: 2/23/2010
Plot scale: x:1

AFGHAN NATIONAL ARMY
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STANDARD DESIGN
ADMIN INSTRUCTORS OFFICE
HEAD, JAMB & SILL
DETAILS

APPROVED: *X. P. Chafin*
A/E DESIGNER OF RECORD
SEAL:
STATE OF SOUTH CAROLINA
KEVIN R. CHAFIN
N. Charleston, SC
6374
REGISTERED ARCHITECT

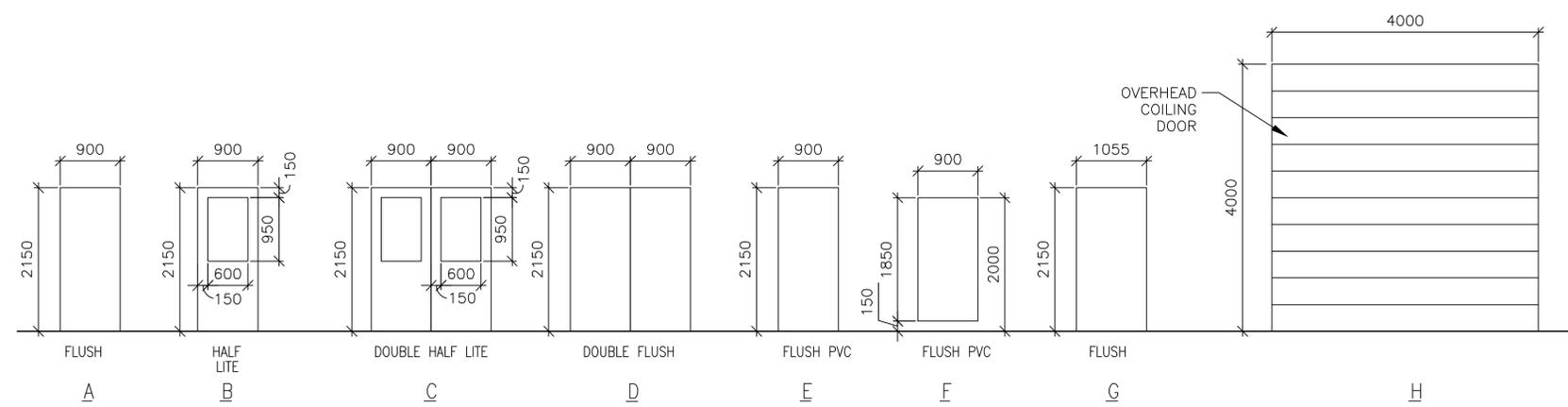
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A-502

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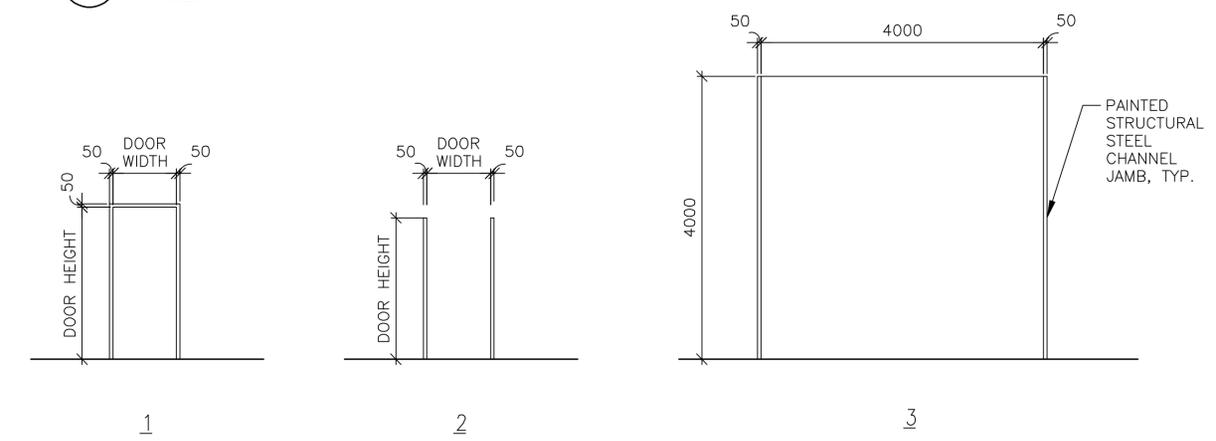


US ARMY CORPS OF ENGINEERS
AFGHANISTAN ENGINEER DISTRICT

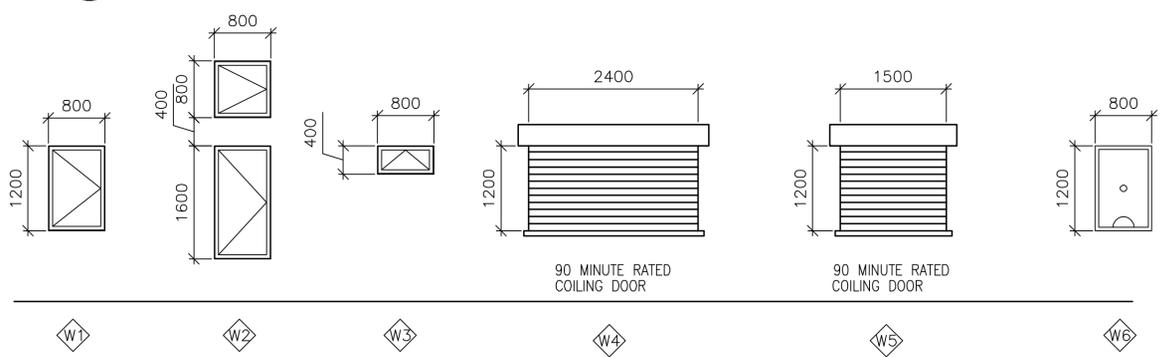
THIS SHEET IS STANDARD AND IS INCLUSIVE OF ALL THE DOOR/WINDOW/HARDWARE TYPES FOR THE ENTIRE RMTc CONTRACT. NOT ALL DOOR/WINDOW/HARDWARE TYPES ARE USED FOR ANY PARTICULAR BUILDING DESIGN. CONTRACTOR SHALL REFER TO THE FLOOR PLAN FOR THE TYPES BEING USED.



1 DOOR TYPES
SCALE: 1:50



2 FRAME TYPES
SCALE: 1:50



3 WINDOW TYPES
SCALE: 1:50

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.

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

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

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.

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.

4 DOOR TAG
SCALE: NTS



5 RATED DOOR TAG
SCALE: NTS

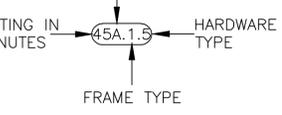


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Design information including: Date: 2/23/10, Design file no., Drawing code: ANAD00A-001SCH, File name: ANAD00A-001SCH, Plot date: 2/23/2010, Plot scale: xx, U.S. Army Corps of Engineers, Michael Baker Corp.

AFGHAN NATIONAL ARMY REGIONAL MILITARY TRAINING CENTER STANDARD DESIGN, ADMIN INSTRUCTORS OFFICE, WINDOW AND DOOR SCHEDULES

APPROVED: [Signature], A/E DESIGNER OF RECORD, SEAL: KEVIN R. CHAFIN, N. Charleston, SC 29574, REGISTERED ARCHITECT

Sheet reference number: A-601

- 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

- 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
 - o SMALL CASE LETTERS REPRESENTS LAMP(S) / SWITCHES.

- 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.

- 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
- SINGLE LINE SYMBOLS**
- SWITCH
 - BREAKER
 - FUSE
 - TRANSFORMER
 - GROUND
 - CONTACT (NORMALLY OPEN)
 - CONTACT (NORMALLY CLOSED)
 - TRANSFER SWITCH
 - CURRENT TRANSFORMER
 - INDICATES NEW ELECTRICAL EQUIPMENT
 - C— INDICATES NEW CONTROL WIRING AND CONDUIT
 - EQUIPMENT OUTLINE

- MISCELLANEOUS**
- BRANCH CIRCUIT WIRING, SURFACE MOUNTED ON WALLS
 - BRANCH CIRCUIT WIRING - 6mm²
 - 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

- 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

- 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

- DENOTATIONS & ABBREVIATIONS (CONT.)**
- TP TAMPER PROOF
 - UE UNDERGROUND ELECTRIC
 - W WALL MOUNTED
 - WP WEATHERPROOF WITH GROUND FAULT INTERRUPTION
 - WT WATER TIGHT
- 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 4mm². THE MINIMUM CONDUIT SIZE SHALL BE 20mm. THE MINIMUM BREAKER SIZE SHALL BE 20 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.



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

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

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 STANDARD DESIGN

ADMIN INSTRUCTORS OFFICE
 ELECTRICAL SYMBOLS & ABBREVIATIONS

APPROVED:

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SEAL:

Sheet reference number:
E-001

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 6, ON 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-602 FOR PANEL SCHEDULES.
6. LIGHT FIXTURES INDICATED AS EMERGENCY SHALL BE PROVIDED WITH A BATTERY BACKUP BALLAST. SEE WIRING DIAGRAM DETAIL 5, DRAWING #E-501.



Rev.	Date	Description
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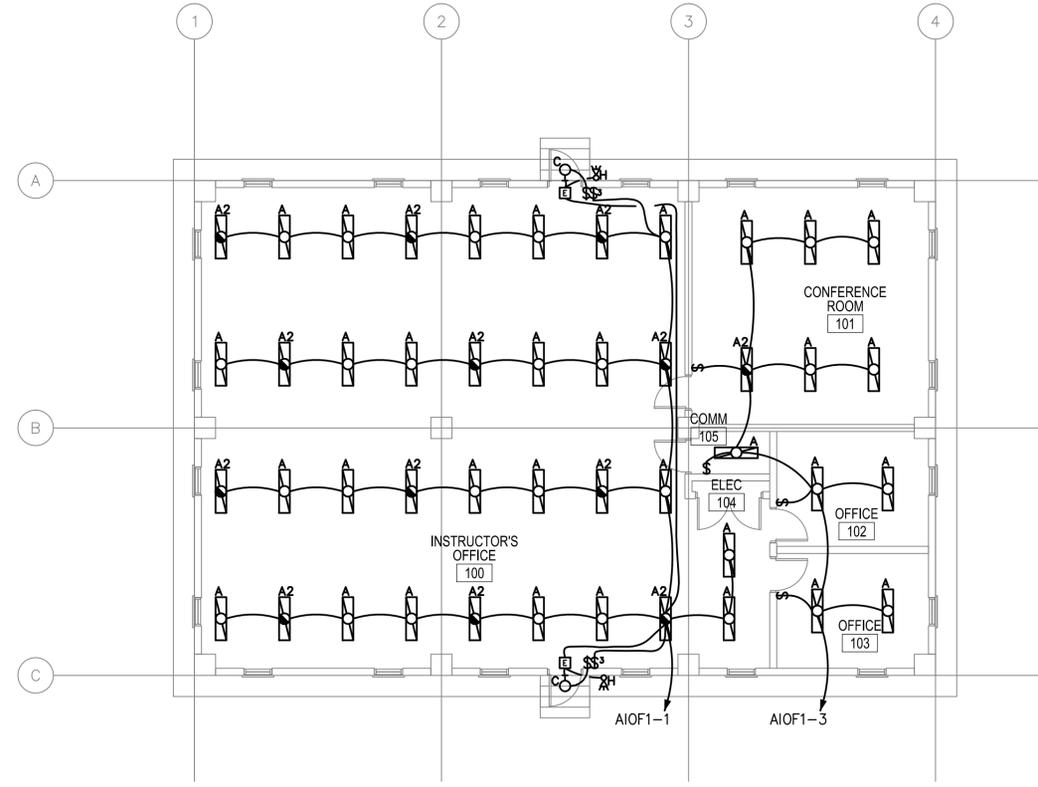
Designed by: JRG	Date: 2/23/10	Rev: 0
Drawn by: BUB	Design file no.:	
Reviewed by: JRG	Drawing code:	
Submitted by: BAKER	File name: AIOF1-1	Plot date: 2/23/10
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ADMIN INSTRUCTORS OFFICE
ELECTRICAL LIGHTING PLAN



1
E-101

ADMIN INSTRUCTOR'S OFFICE
LIGHTING PLAN

SCALE: 1:100



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Sheet reference number:
E-101

GENERAL NOTES:

1. REFER TO DRAWING #E-001 FOR THE ELECTRICAL SYMBOLS LIST.
2. REFER TO DRAWING #E-501 FOR THE POWER RISER.
3. REFER TO DRAWING #E-602 FOR PANEL SCHEDULES.
4. COORDINATE EXACT MOUNTING LOCATION OF DISCONNECTING MEANS FOR MECHANICAL AND PLUMBING EQUIPMENT IN THE FIELD.
5. FUSIBLE SAFETY SWITCHES THAT ARE NOT OTHERWISE IDENTIFIED SHALL BE 380V, 1P, 30A FUSED SAFETY SWITCHES WITH 20A FUSES.

NUMBERED NOTES:

- ① PANEL AIOF1.
- ② PROVIDE 1200mm X 2400mm SHEET OF PLYWOOD PAINTED WITH FIRE RESISTANT PAINT FOR MOUNTING TELECOMMUNICATIONS EQUIPMENT.
- ③ PROVIDE CONDUIT STUB UP IN THE ROOM FOR INCOMING TELECOMMUNICATIONS SERVICES FROM THE CENTRAL COMMUNICATIONS SYSTEM IN THE GARRISON.
- ④ PROVIDE POWER CONNECTION TO EXHAUST FANS. SEE DRAWINGS #M-101 AND #E-602 FOR MORE INFORMATION.
- ⑤ PROVIDE POWER CONNECTION TO ELECTRIC UNIT HEATER #2. SEE DRAWINGS #M-101 AND #E-602 FOR MORE INFORMATION.
- ⑥ PROVIDE POWER CONNECTION TO ELECTRIC UNIT HEATER #4. SEE DRAWINGS #M-101 AND #E-602 FOR MORE INFORMATION.



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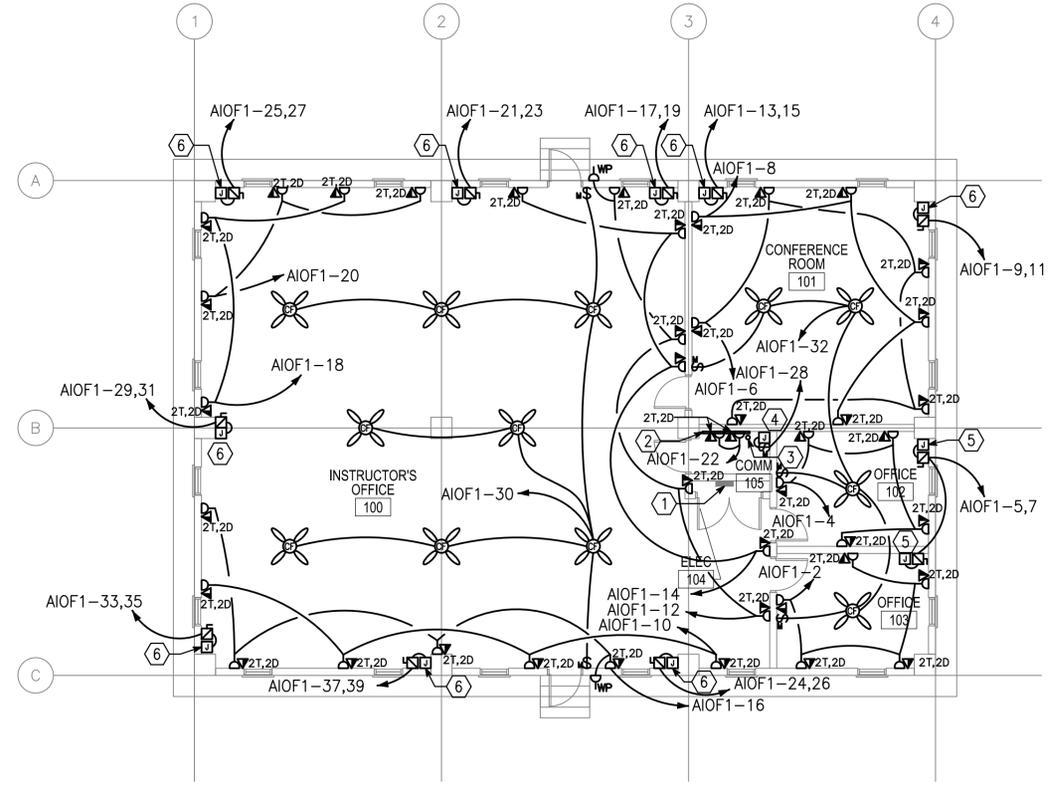
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ADMIN INSTRUCTORS OFFICE
ELECTRICAL POWER AND SYSTEMS PLAN

Sheet reference number:
E-102



**ADMIN INSTRUCTOR'S OFFICE
POWER AND SYSTEMS PLAN**

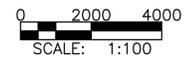
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SCALE: 1:100

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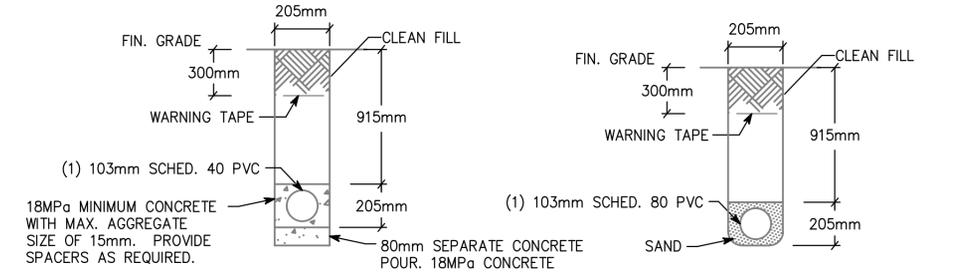
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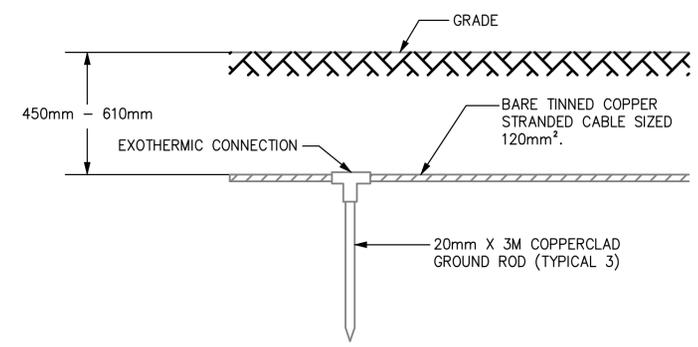
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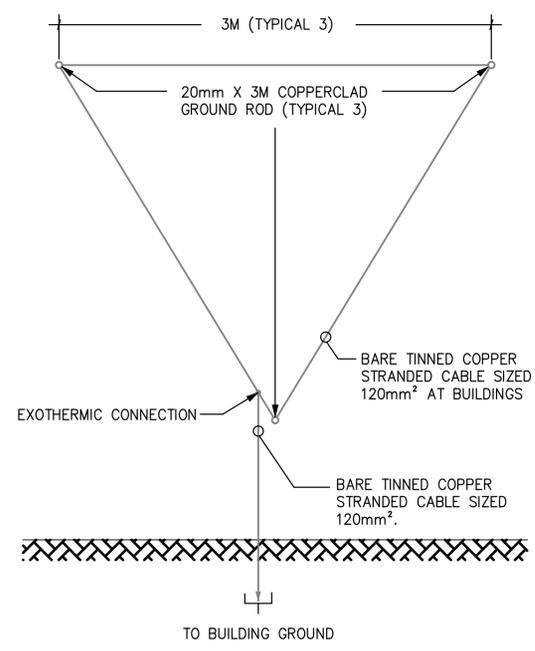


NOTE: PVC CONDUIT SHALL BE DIRECT BURIED SCHEDULE 80 FOR NO TRAFFIC AREAS AND CONCRETE-ENCASED SCHEDULE 40 FOR UNDER ROADWAYS OR TRAFFIC AREAS.

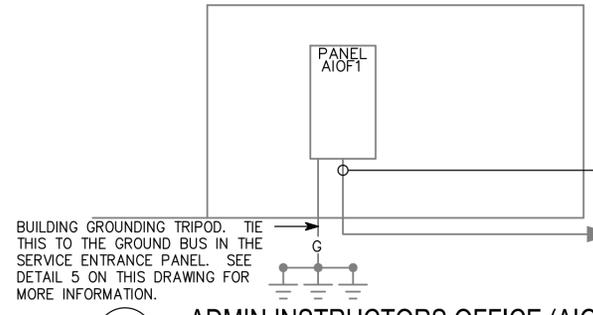
1 **TYPICAL DUCT BANK DETAILS FOR CONDUIT IN SAND OR CONCRETE**
SCALE: N.T.S.



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

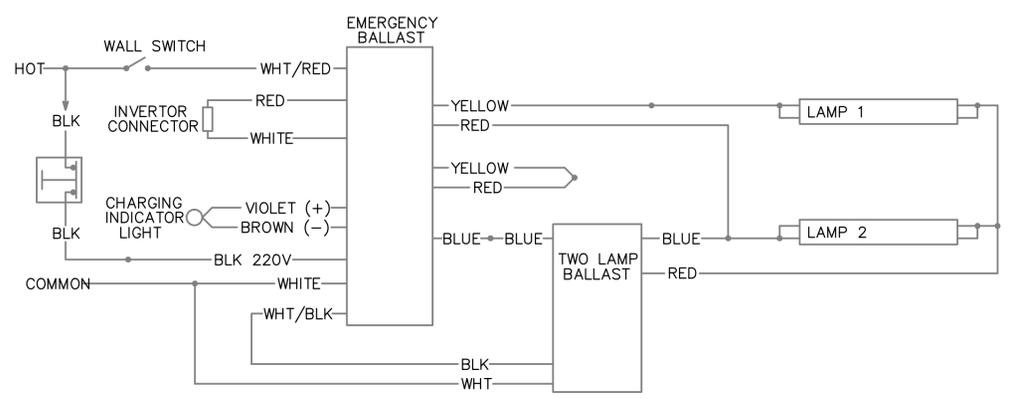


3 **GROUND TRIPOD SYSTEM DETAIL - PLAN**
SCALE: N.T.S.

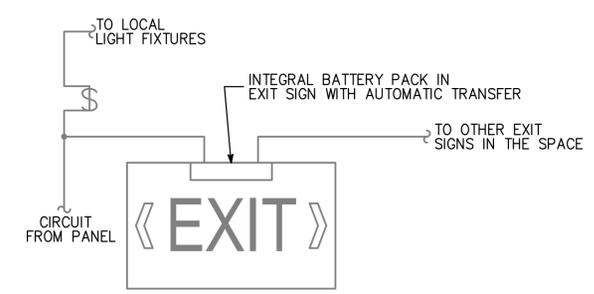


4 **ADMIN INSTRUCTORS OFFICE (AIOF) RISER DIAGRAM**
SCALE: N.T.S.

FEED BACK TO THE MAIN DISTRIBUTION POINT FOR THE COMPOUND. AS PART OF SITE ADAPT PACKAGE, INCOMING FEED SHALL BE SIZED TO CARRY FULL LOAD CAPACITY OF THE PANEL BUS WHILE MAINTAINING ACCEPTABLE VOLTAGE DROP LEVEL. EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED FROM PANEL TO MDP PER NEC 250.32(B). THE MINIMUM FEED SIZE SHALL BE (4) 70mm² AND (1) 16mm² GROUND IN 50mm CONDUIT.



5 **EMERGENCY FIXTURE WIRING DIAGRAM**
SCALE: N.T.S.



6 **EXIT SIGN WIRING DIAGRAM**
SCALE: N.T.S.

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AFGHAN NATIONAL ARMY REGIONAL MILITARY TRAINING CENTER STANDARD DESIGN	ADMIN INSTRUCTORS OFFICE ELECTRICAL DETAILS
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Sheet reference number:
E-501

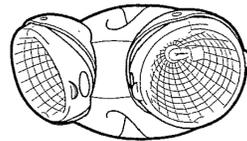
FIXTURE MARK 'A'



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	



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E-601

D

C

B

A

