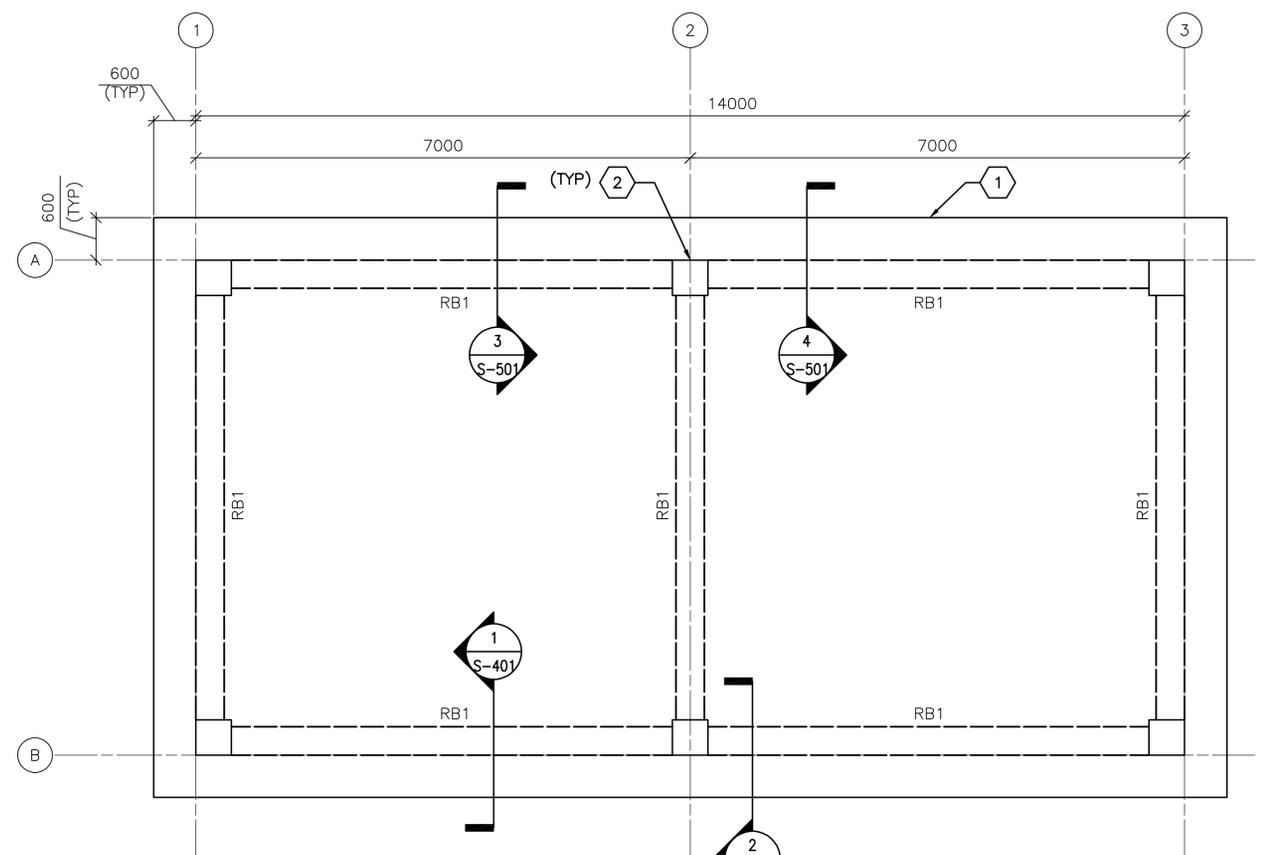


**1 FOUNDATION/SLAB PLAN**  
SCALE: 1:50



**2 ROOF FRAMING PLAN**  
SCALE: 1:50

**FOUNDATION/SLAB PLAN NOTES:**

- REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
- 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.
- SLAB-ON-GRADE IS 150 WITH #13 @ 300 OC EW LOCATED 38 FROM T/SLAB.
- TOP OF EXTERIOR FOOTINGS SHALL BE -950 UNLESS OTHERWISE INDICATED.
- COLUMN FOOTINGS INDICATED BY F# ON PLAN. REFER TO COLUMN FOOTING SCHEDULE ON SHEET S-601.
- REFER TO COLUMN SCHEDULE ON SHEET S-601.
- GRADE BEAM INDICATED BY GB# ON PLAN, REFER TO BEAM SCHEDULE ON SHEET S-601.
- SHEARWALL INDICATED BY SW# ON PLAN, REFER TO SHEARWALL SCHEDULE ON SHEET S-601.
- SEE TYP EXTERIOR CMU WALL DETAIL ON SHEET S-701.
- SEE MECHANICAL AND ELECTRICAL SHEETS FOR CONCRETE PAD LOCATIONS, SIZES, AND THICKNESS NOT SHOWN. SEE SHEET S-701 FOR DETAILS.
- THICKENED SLAB UNDER PERIMETER CMU WALLS NOT SHOWN FOR CLARITY.

**FOUNDATION/SLAB PLAN KEY NOTES:** (X)

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

**FOUNDATION/SLAB PLAN LEGEND:**

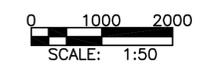
- REINF CONC SHEAR WALL
- REINF CMU WALL
- CONTROL JOINT

**ROOF FRAMING PLAN NOTES:**

- REFER TO SHEETS S-001 FOR STRUCTURAL NOTES AND BASIS OF DESIGN.
- TOP OF SLAB ELEVATION = 3500 UNLESS NOTED OTHERWISE.
- ROOF SLAB IS 250 WITH #16 @ 300 OC EW T&B.
- ROOF BEAM INDICATED BY RB# ON PLAN. REFER TO BEAM SCHEDULE ON SHEET S-601.
- COORDINATE WITH ARCHITECTURAL SHEETS FOR COLD-FORMED STEEL OVERBUILD FRAMING ABOVE ROOF SLAB.
- COLD-FORMED METAL OVERBUILD ROOF FRAMING NOT SHOWN FOR CLARITY. SEE OVERBUILD ROOF FRAMING DETAILS AND SECTIONS ON SHEET S-702.
- OVERHANG AREAS OF ROOF SLAB CONTAIN ROOF VENT PENETRATIONS. REFERENCE ARCHITECTURAL DRAWINGS FOR INFORMATION.

**ROOF FRAMING PLAN KEY NOTES:** (X)

- CONC ROOF SLAB (BELOW ROOF OVERBUILD)
- REINF CONC COLUMN (BELOW CONC ROOF SLAB)



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

APPROVED:

*Chin M. ...*  
A/E DESIGNER OF RECORD

SEAL:



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

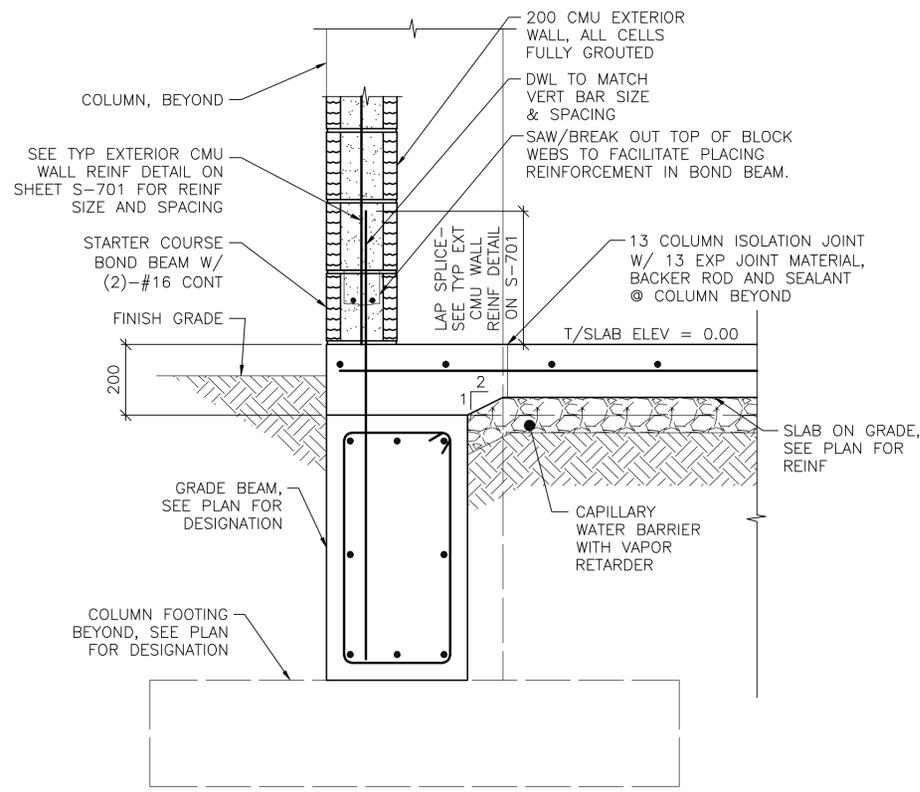
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Dwn by:	RCG	Reviewed by:	LHM
Submitted by:	BAKER	File name:	ANASATS-101RFP
		Plot date:	2/23/2010
		Plot scale:	xx

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STANDARD DESIGN

SMALL ARMS STORAGE  
FOUNDATION/SLAB &  
ROOF FRAMING PLAN

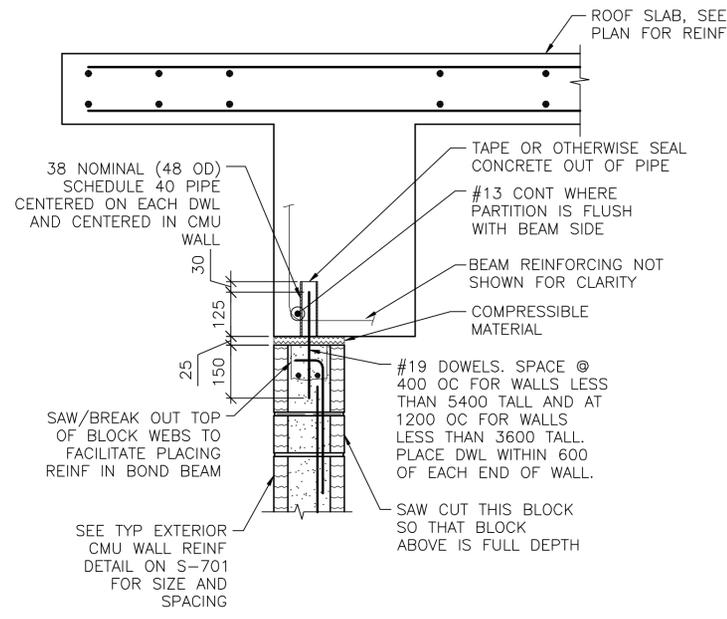
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**S-101**





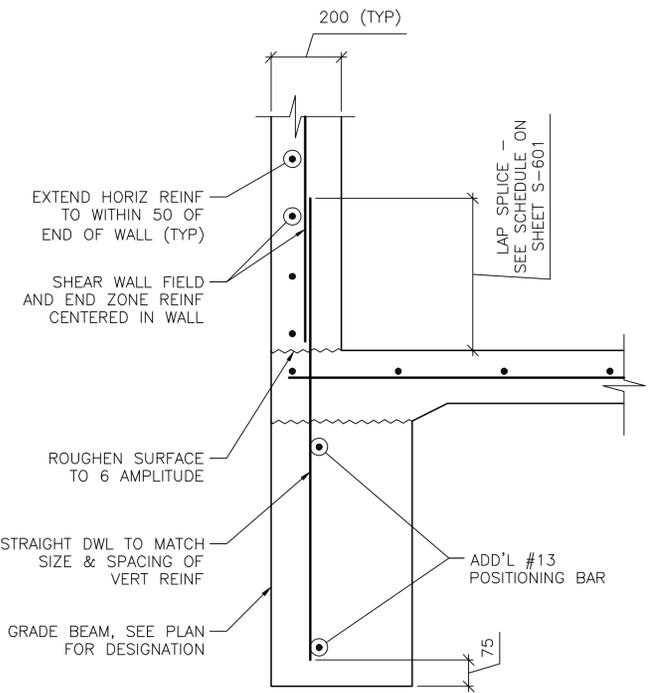
NOTE:  
1. SECTION IS SIMILAR FOR INTERIOR CMU PARTITIONS OVER GRADE BEAMS SHOWING THICKENED 200 CONC SLAB AREA.

1 SECTION  
S-101 SCALE: 1:10



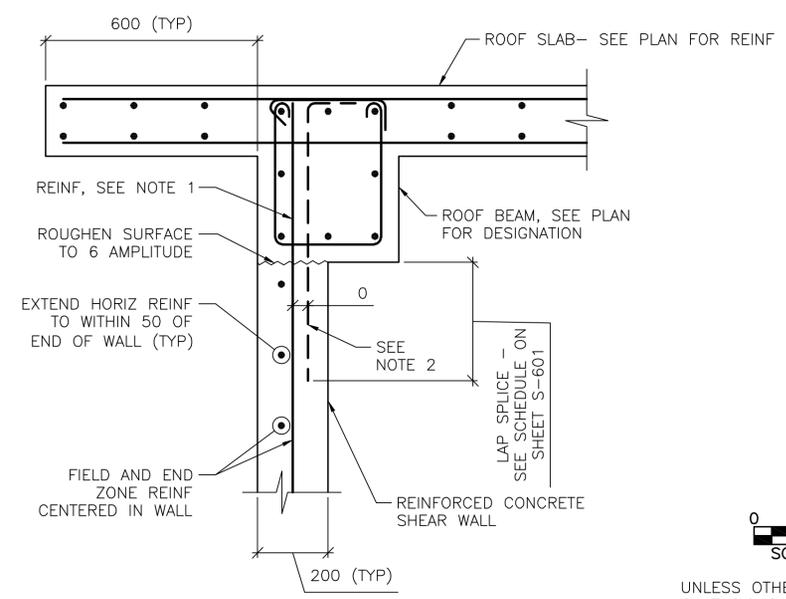
NOTES:  
1. EXTEND DOWEL REINF TO 25 CLEAR FROM TOP OF CMU WALL.

3 SECTION  
S-101 SCALE: 1:10



NOTES:  
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.

2 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:  
*Chi Muto*  
A/E DESIGNER OF RECORD  
SEAL:



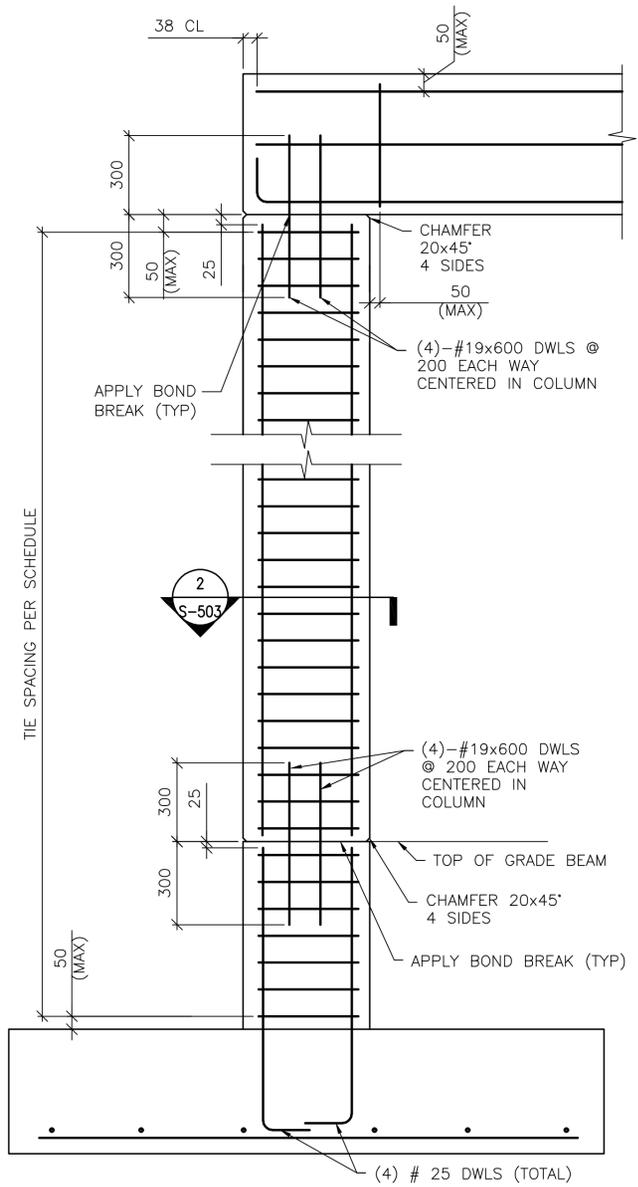
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		Designed by: KMP/MMY		
		Dwn by: RCG		
		Calcd by: CWV		
		Reviewed by: LHM		
		Submitted by: BAKER		
		Drawing code: ANASASTS-018C		
		File name: ANASASTS-018C		
		Plot date: 2/23/2010		
		Plot scale: 1:10		

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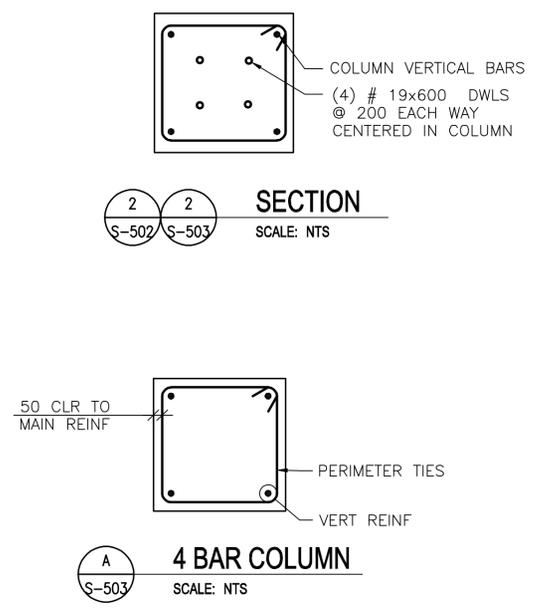
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STANDARD DESIGN  
SMALL ARMS STORAGE  
FOUNDATION & FRAMING SECTIONS

Sheet reference number:  
S-501



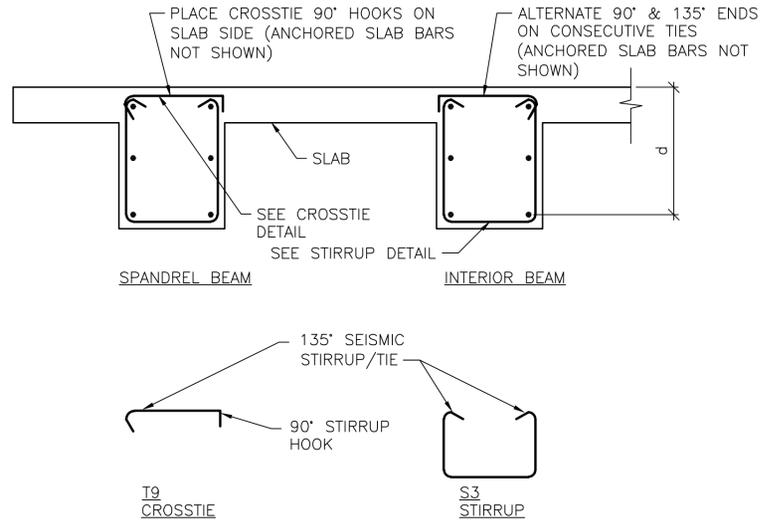


**1**  
S-503  
**1-STORY COLUMN REINF DETAILS**  
SCALE: NTS  
(WITH GRADE BEAM)

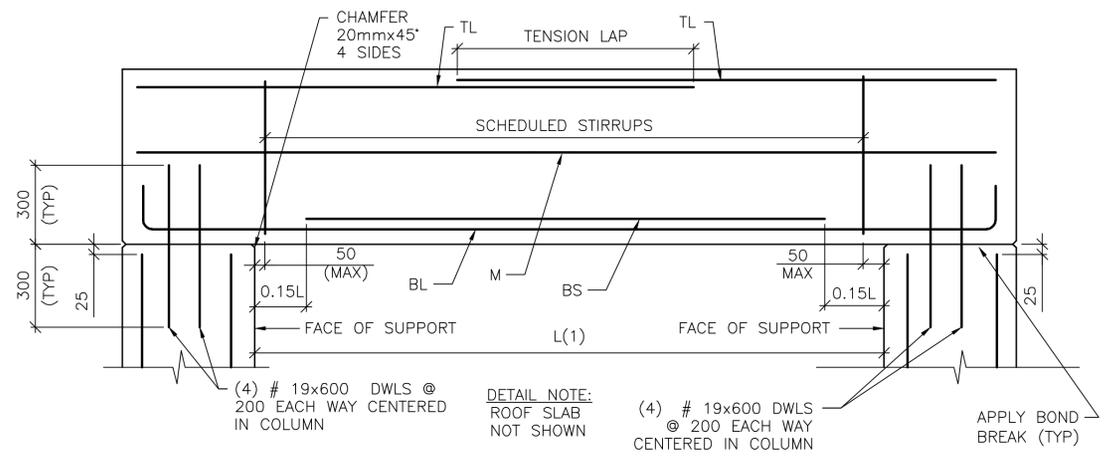


**2**  
S-502  
**SECTION**  
SCALE: NTS

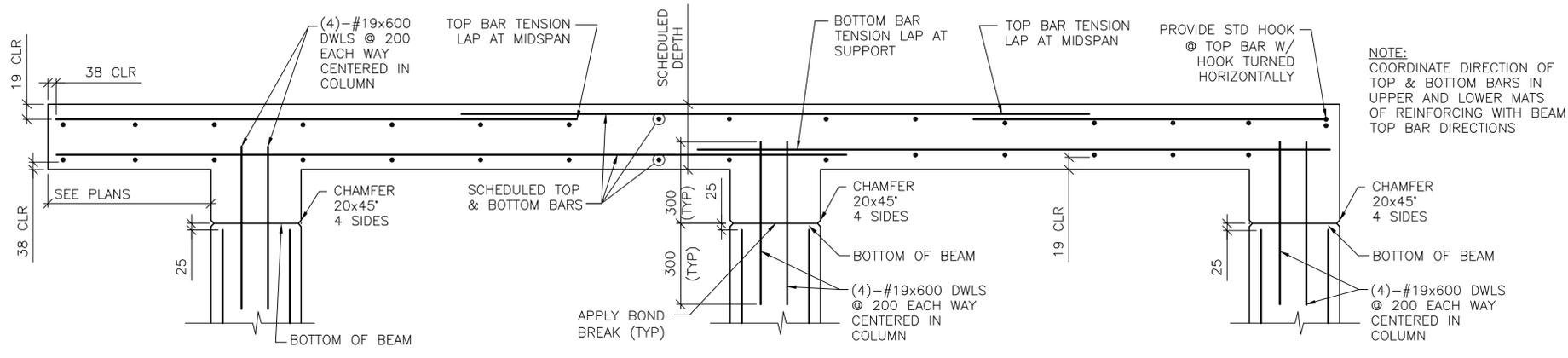
**A**  
S-503  
**4 BAR COLUMN**  
SCALE: NTS



**B**  
S-503  
**BEAM REINFORCEMENT DETAILS**  
SCALE: NTS



**3**  
S-503  
**SINGLE SPAN ROOF BEAM REINFORCING DETAIL**  
SCALE: NTS



**4**  
S-503  
**FRAMED SLAB REINFORCING DETAIL**  
SCALE: NTS

NOTE:  
COORDINATE DIRECTION OF  
TOP & BOTTOM BARS IN  
UPPER AND LOWER MATS  
OF REINFORCING WITH BEAM  
TOP BAR DIRECTIONS

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

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

SEAL:



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

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

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Plot date: 2/23/2010  
Plot scale: xx

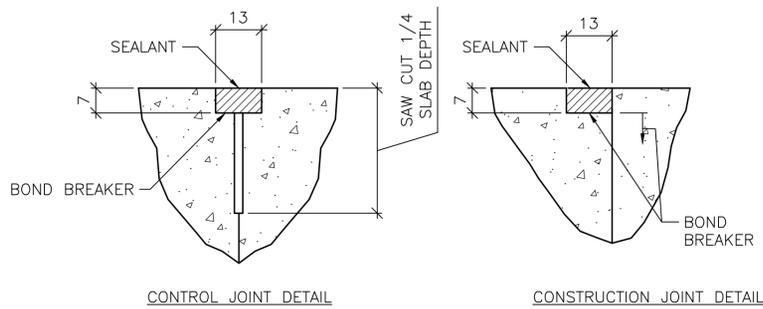
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STANDARD DESIGN

SMALL ARMS STORAGE

BEAM & COLUMN DETAILS

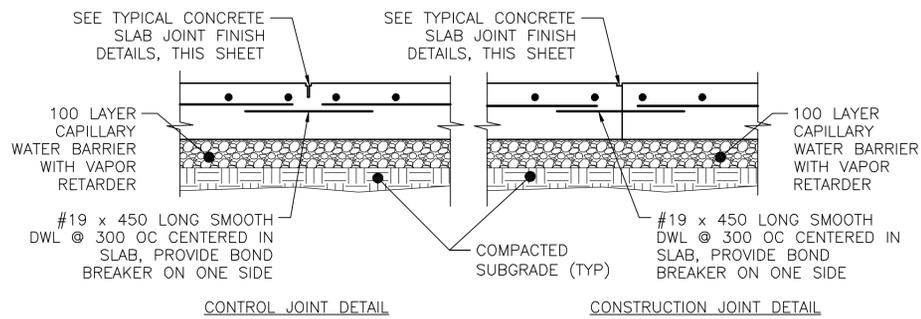
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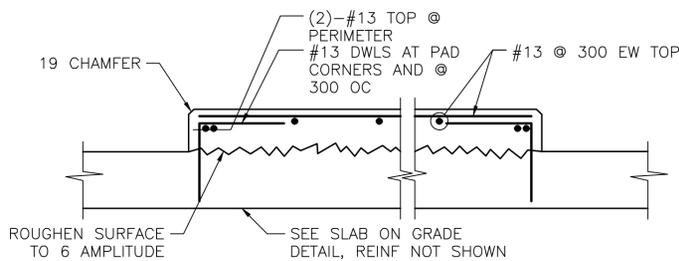
**TYPICAL CONCRETE SLAB JOINT FINISH DETAILS**

1  
S-701  
SCALE: NTS



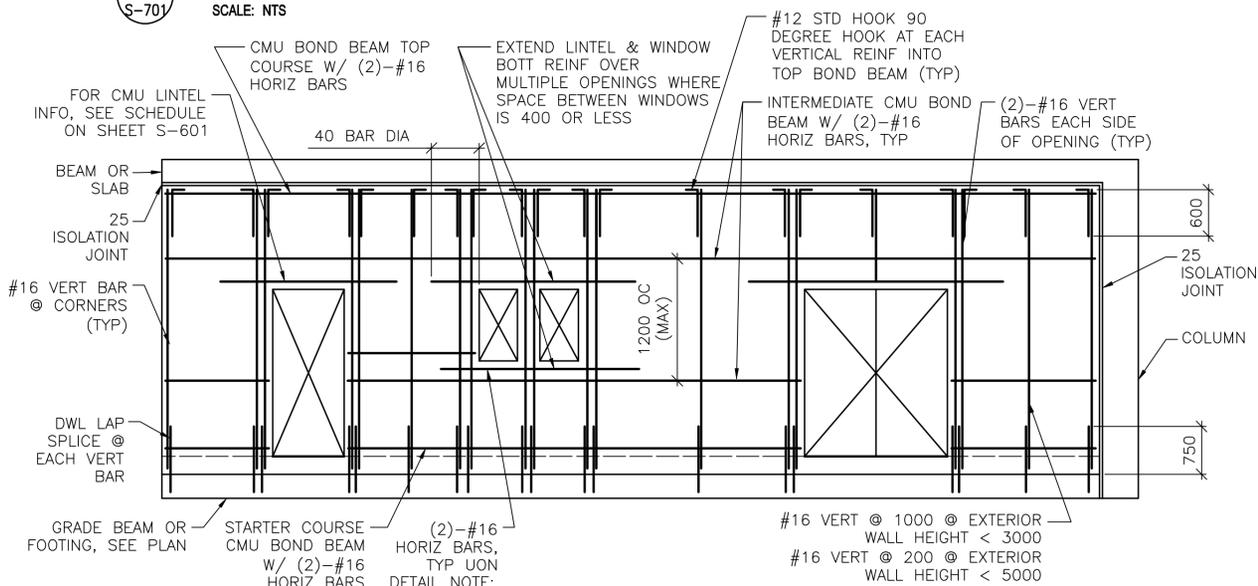
**TYPICAL SLAB ON GRADE JOINT DETAIL**

2  
S-701  
SCALE: NTS



**INTERIOR EQUIPMENT PAD DETAIL**

3  
S-701  
SCALE: NTS

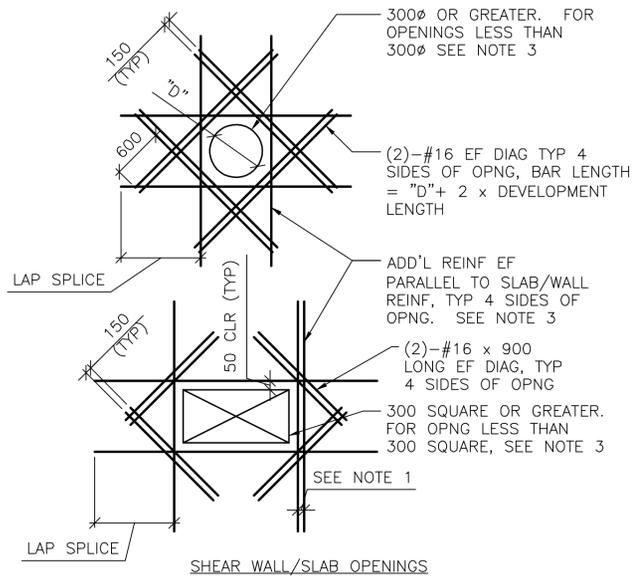


DETAIL NOTE:

- CENTER VERT REINF IN WALL.
- GROUT ALL CMU CELLS.
- REFERENCE ARCH DWGS FOR JOINT INFORMATION
- DOWELS BETWEEN TOP BOND BEAM AND BEAM/SLAB ABOVE. (INCLUDING EMBEDDED PIPE SLEEVE) NOT SHOWN FOR CLARITY. SEE SPECIFIC S-500 SERIES DWGS FOR INFO.
- FOR INFORMATION ON ALTERNATE CAST-IN-PLACE WALL BOND BEAMS, REFERENCE ALTERNATE TOP OF CMU WALL BRACING DETAILS THIS SHEET.

**TYP EXTERIOR CMU WALL REINF DETAIL**

6  
S-701  
SCALE: NTS



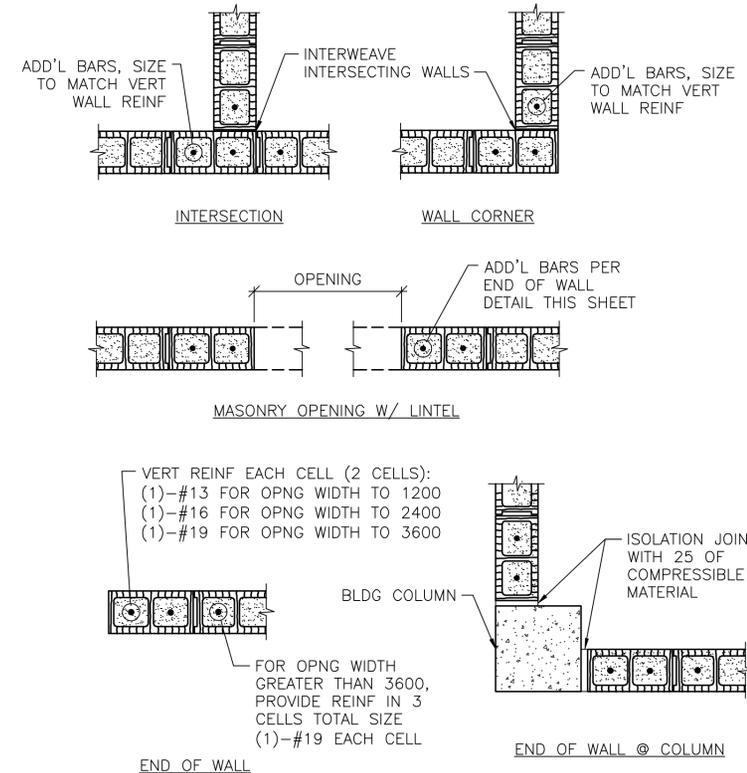
**RE-ENTRANT CORNERS**

**DETAIL NOTES:**

- WHERE MORE THAN ONE ADDITIONAL BAR IS REQUIRED PARALLEL TO THE EXISTING SLAB/WALL REINFORCING THE ADDITIONAL REINFORCING BARS SHALL BE SPACED AT 100 ON CENTER.
- ADDITIONAL REINFORCING PARALLEL TO THE SLAB/WALL REINFORCING SHALL BE #16 BARS THAT PROVIDE A STEEL AREA ON EACH SIDE OF THE OPENING EQUAL TO 1/2 THE AREA OF THE REINFORCING CUT BY THE OPENING.
- FOR OPENINGS WITH SIDES OR DIAMETERS LESS THAN 300 SPREAD THE SLAB/WALL REINFORCING TO CLEAR THE OPENING.

**ADD'L CONCRETE REINFORCEMENT DETAILS**

4  
S-701  
SCALE: NTS

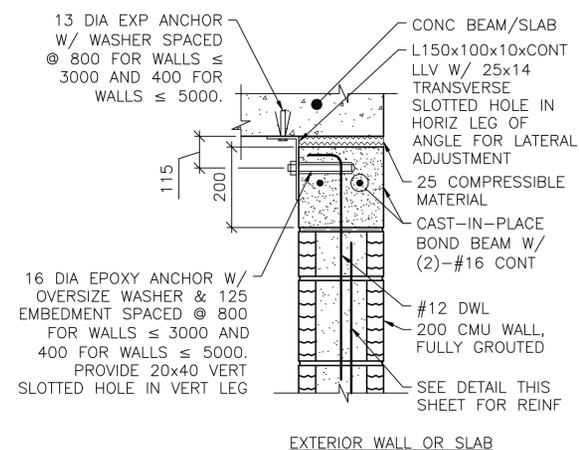


**NOTES:**

- OPENING WIDTH SHALL NOT EXCEED 3600 FOR THIS TYPE OF JAMB.
- ALL CELLS FULLY GROUTED AT EXTERIOR WALLS. AT INTERIOR WALLS, ONLY GROUT CELLS CONTAINING REINF.

**TYP CMU DETAILS**

5  
S-701  
SCALE: NTS



**NOTES:**

- THIS DETAIL IS AN ALTERNATE TOP OF WALL ANCHORAGE DETAIL TO BE USED AT THE CONTRACTOR'S OPTION IN LIEU OF DETAILS SHOWN ON S-400 & S-500 DRAWINGS.
- CAST-IN-PLACE BOND BEAM SHOWN AT TOP OF WALL IS ALSO APPLICABLE FOR INTERMEDIATE AND STARTER COURSE BOND BEAMS WITHIN WALL.

**ALTERNATE TOP OF CMU WALL BRACING DETAILS**

7  
S-701  
SCALE: NTS

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

APPROVED:

*Chin Wada*  
A/E DESIGNER OF RECORD

SEAL:



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0	2/23/10	Design file no.
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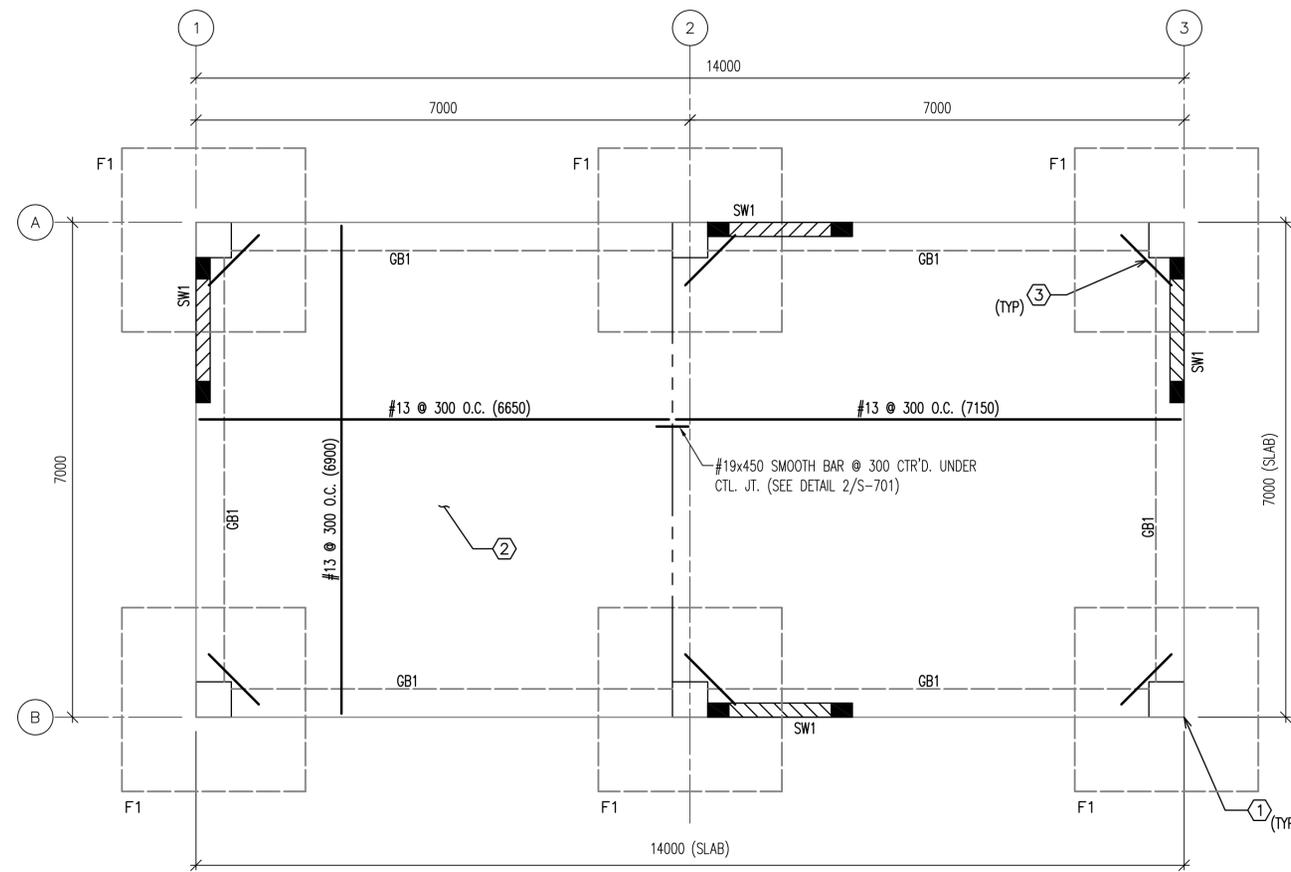
Designed by:	KMP/AMMY
Dwn by:	RCG
Reviewed by:	LHM
Submitted by:	BAKER
Date:	2/23/10
File name:	ANAS/STS/010TD
Plot date:	2/22/2010
Plot scale:	XX

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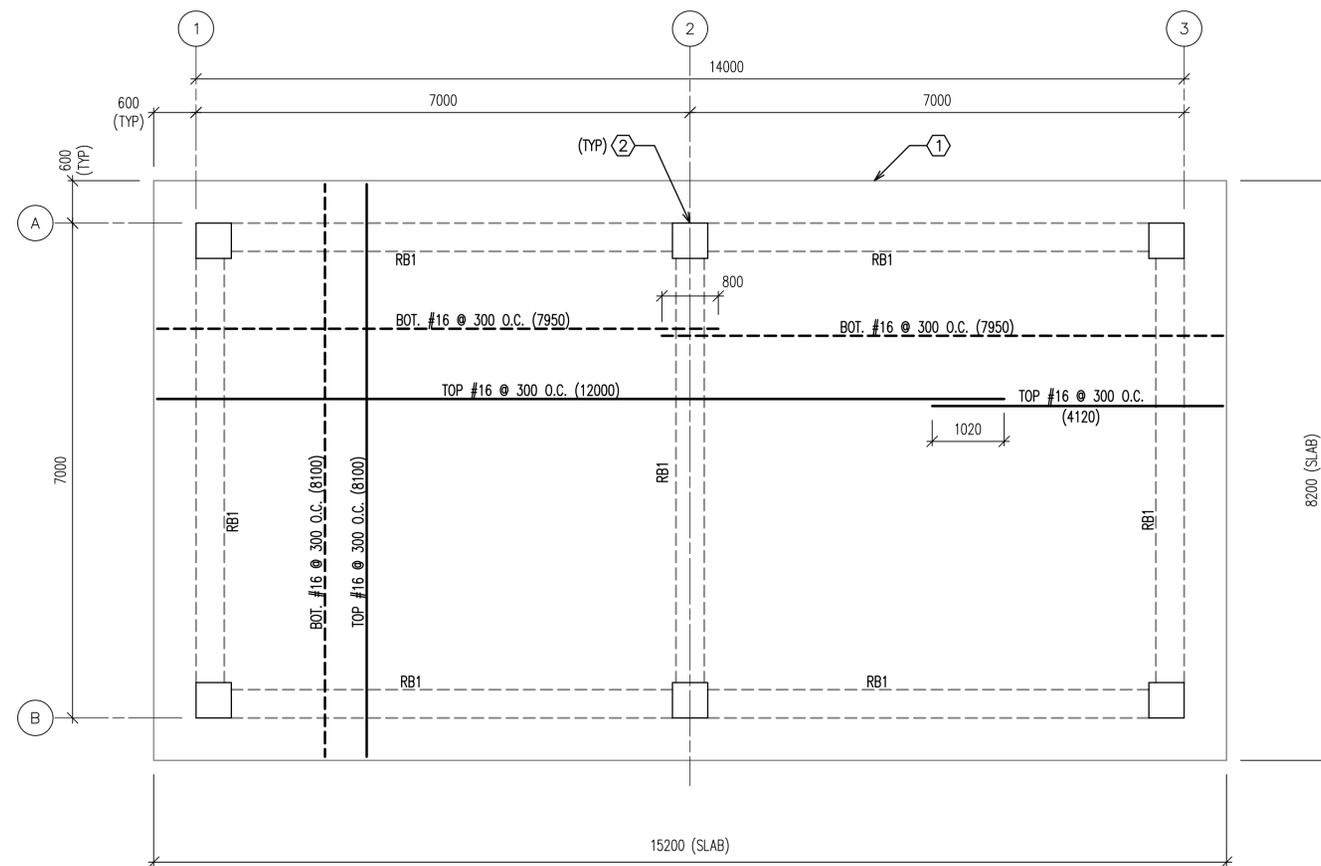
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STANDARD DESIGN  
SMALL ARMS STORAGE  
TYPICAL DETAILS

Sheet reference number:  
**S-701**





1 FOUNDATION/SOG PLAN  
S-801 SCALE: 1:50



2 ROOF FRAMING PLAN  
S-801 SCALE: 1:50

**FOUNDATION/SLAB PLAN NOTES:**

1. SLAB-ON-GRADE REINFORCING ARE LOCATED 40mm FROM T/SLAB, 50mm FROM EDGES & AND CONTROL JOINT. LENGTH NOTED AS THUS (6600). REFER TO DETAIL 6/S-802.
2. COLUMN FOOTINGS INDICATED BY F# ON PLAN, REFER TO DETAILS ON SHEET S-802.
3. COLUMNS, REFER TO DETAILS ON SHEET S-802.
4. GRADE BEAM INDICATED BY GB# ON PLAN, REFER TO BEAM ELEVATIONS ON SHEET S-803.
5. SHEAR WALL INDICATED BY SW# ON PLAN, REFER TO SHEAR WALL DETAILS ON SHEET S-804.

**FOUNDATION/SLAB PLAN KEY NOTES:** (X)

1. REINF CONC COLUMN (SEE SHEET S-802)
2. REINF. CONC. SLAB-ON-GRADE.
3. (2)-#13 RE-ENTRANT CORNER BARS (SEE DETAIL 5/S-802)

**FOUNDATION/SLAB PLAN LEGEND:**

- REINF CONC SHEAR WALL (SEE SHEET S-804)
- CONTROL JOINT (SEE DETAIL 2/S-701)

**ROOF FRAMING PLAN NOTES:**

1. ROOF SLAB REINFORCING BAR LENGTH IS NOTED THUS (6600).
2. SLAB REBAR COVER AT T&B IS 20mm, 50mm AT EDGES. REFER TO DETAIL 6/S-802.
3. OMIT SLAB REINFORCING PARALLEL TO BEAMS WITHIN BEAM LIMITS.
4. ROOF BEAM INDICATED BY RB# ON PLAN. REFER TO BEAM ELEVATIONS ON SHEET S-803.

**ROOF FRAMING PLAN KEY NOTES:** (X)

- ROOF FRAMING PLAN:**
1. CONC ROOF SLAB.
  2. REINF CONC COLUMN (BELOW CONC ROOF SLAB) (SEE SHEET S-802)

**ROOF FRAMING PLAN LEGEND:**

- SLAB REINFORCING BOTTOM BARS
- SLAB REINFORCING TOP BARS



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



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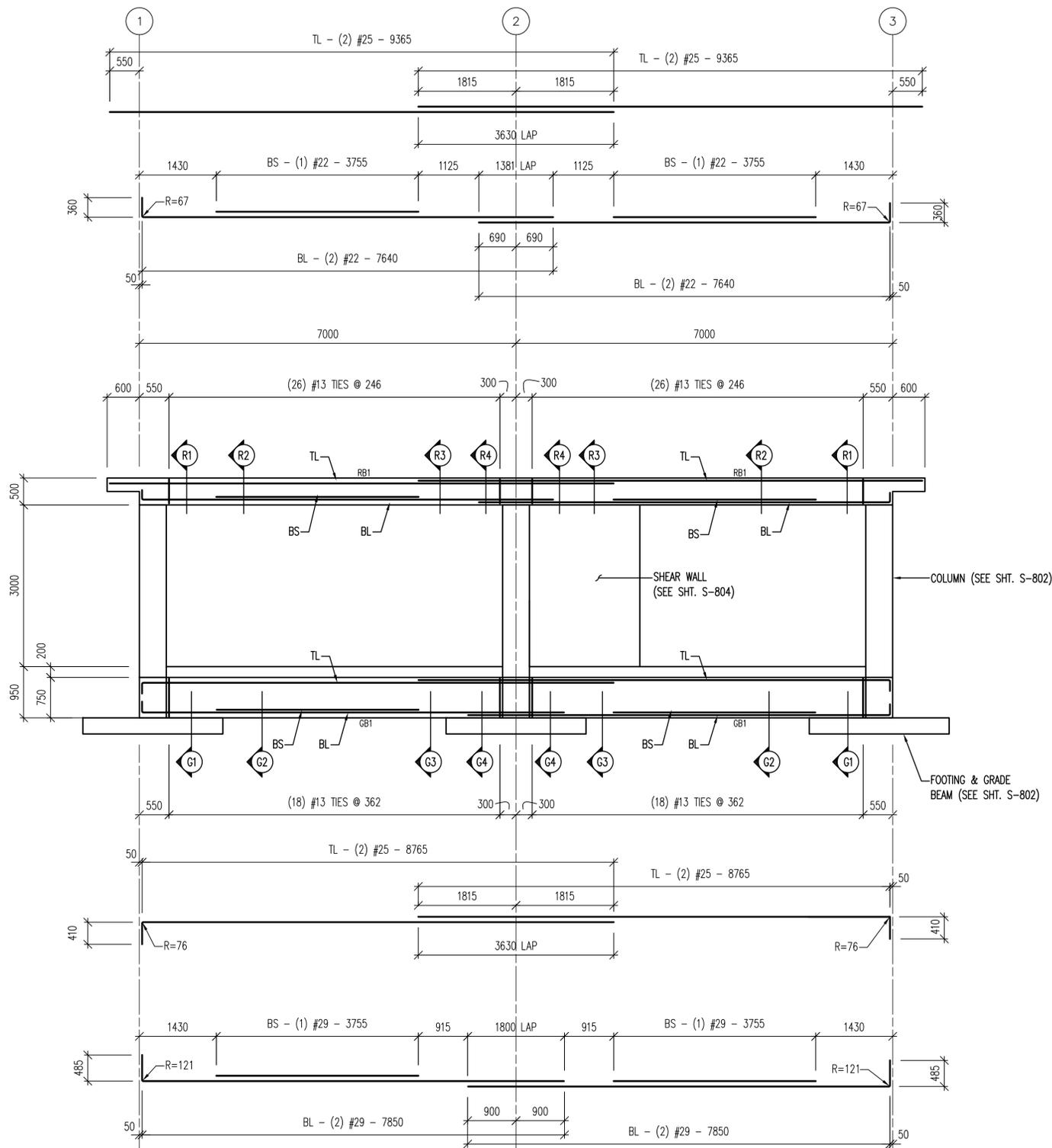
Designed by:	KPM/JMMY	Checked by:	SCL
Dwn by:	JLM	Reviewed by:	RTD
Submitted by:	BAKER		

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SMALL ARMS STORAGE  
REBAR REPLACEMENT DRAWINGS  
FDN / SOG / ROOF FRAMING PLAN

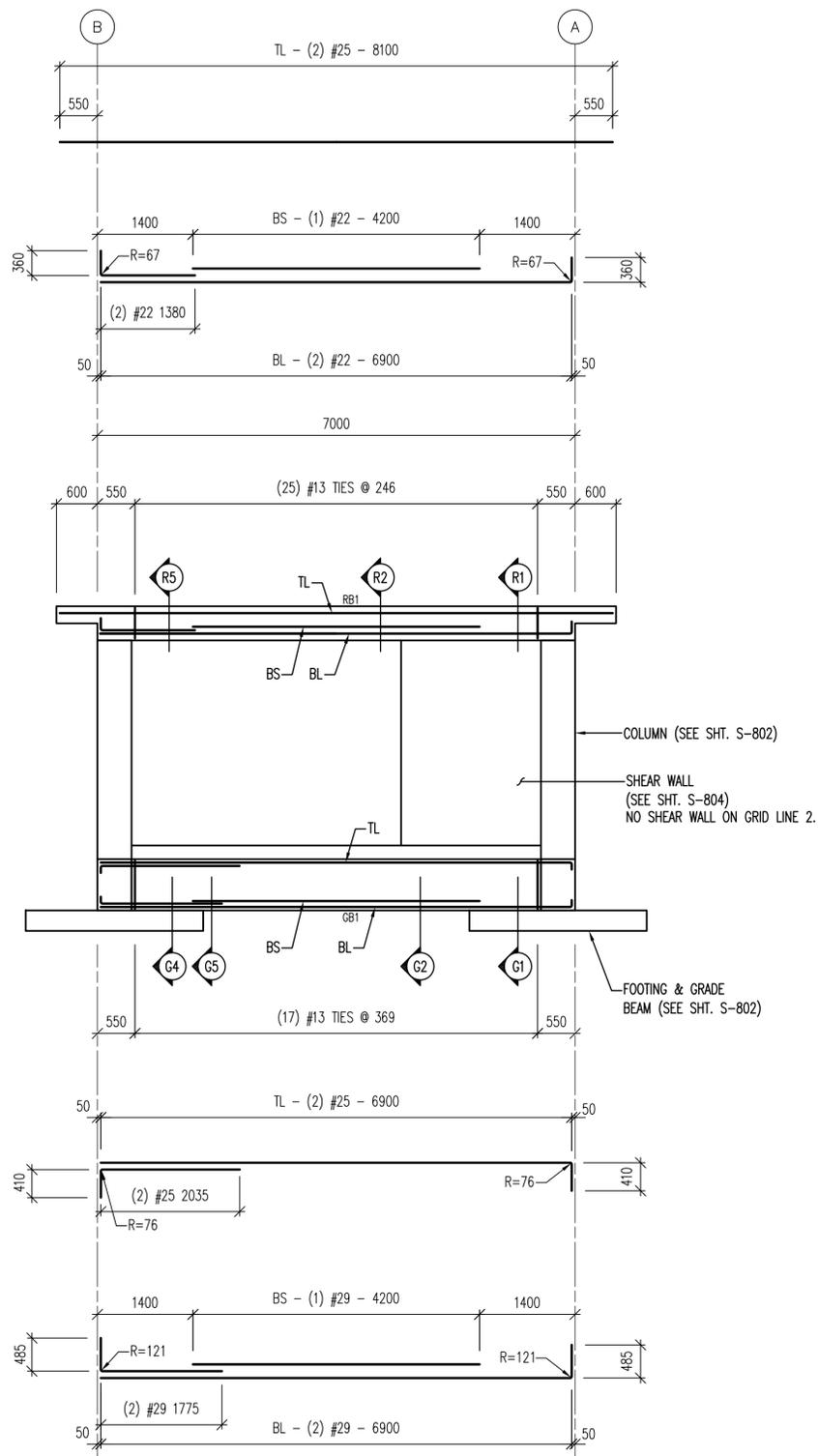
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S-801





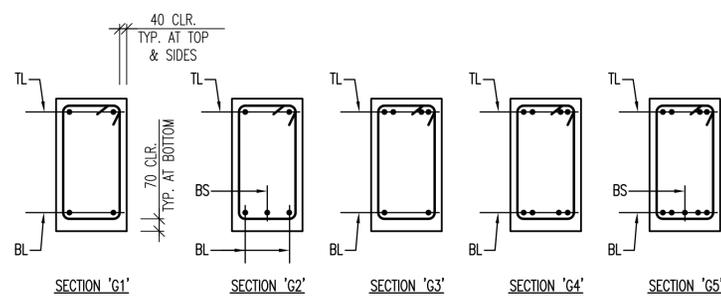
BEAM ELEVATION ALONG GRID LINES A & B

SCALE: 1:50



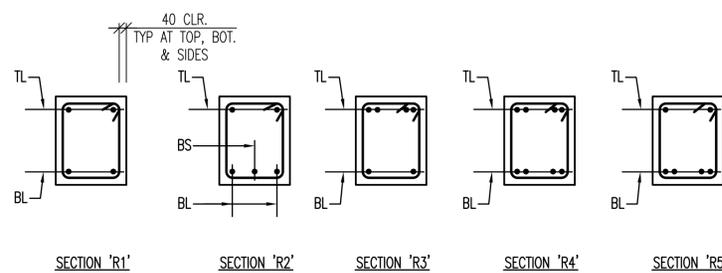
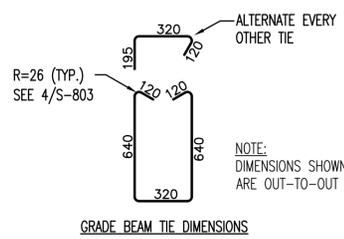
BEAM ELEVATION ALONG GRID LINES 1, 2 & 3

SCALE: 1:50



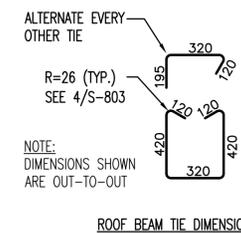
GRADE BEAM SECTIONS

SCALE: 1:20



ROOF BEAM SECTIONS

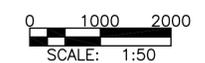
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ROOF BEAM TIE DIMENSIONS

ABBREVIATION LEGEND

- RB = ROOF BEAM
- GB = GRADE BEAM
- TL = BEAM TOP REINFORCEMENT BARS
- BL = BEAM BOTTOM REINFORCEMENT BARS
- BS = BEAM ADDITIONAL BOTTOM REINFORCEMENT BARS
- M = BEAM MIDDLE REINFORCEMENT BARS



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



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0	3/07/2010				

Designed by:	KPM/JMMY	Checked by:	SCL
Dwn by:	JLM	Reviewed by:	RTD
Submitted by:	BAKER		

File name: ANASATS-803  
Plot date: 3/4/2010  
Plot scale: 1:50

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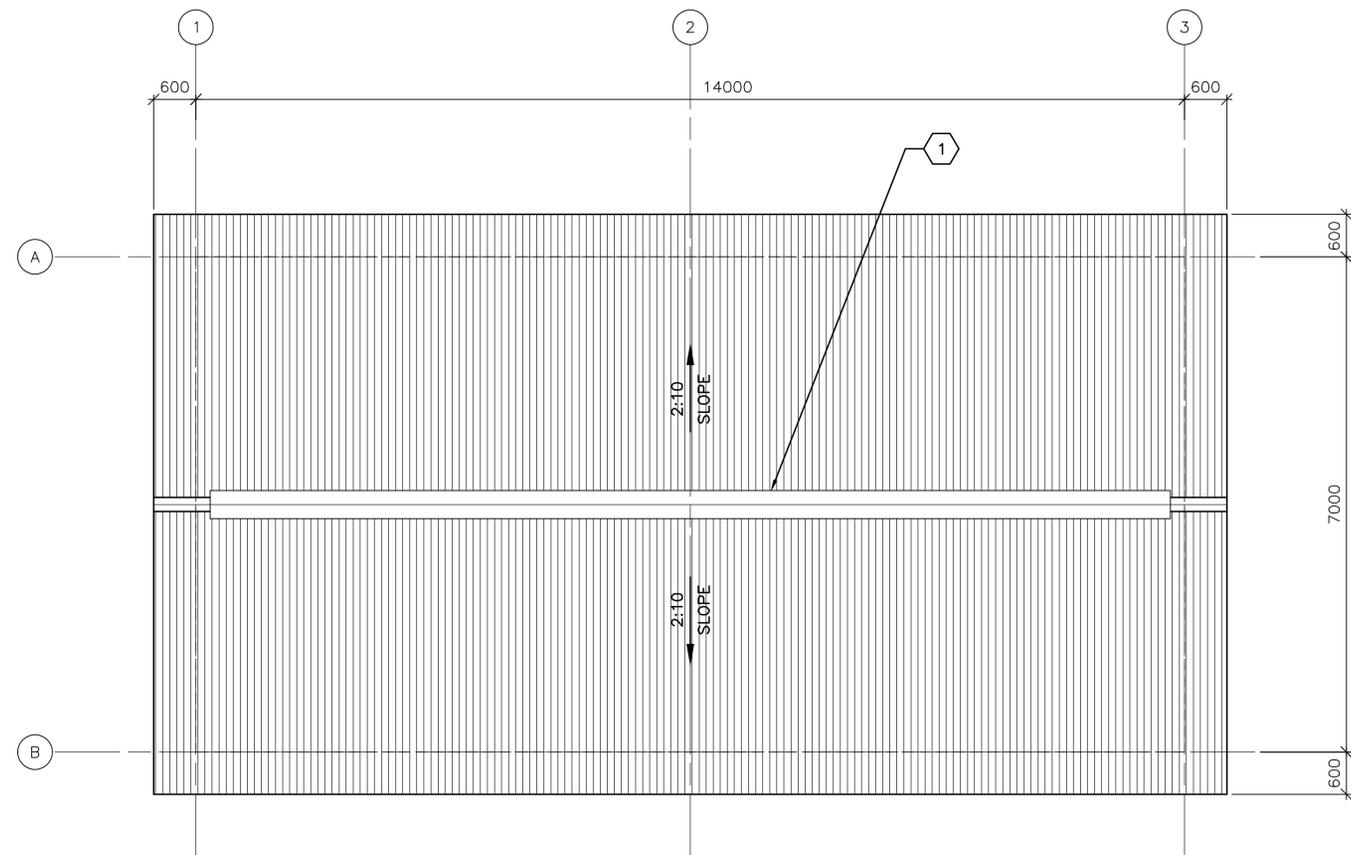
SMALL ARMS STORAGE  
REBAR REPLACEMENT DRAWINGS  
BEAM ELEVATIONS

Sheet reference number:  
S-803









1 ROOF PLAN  
A-102 SCALE: 1:50

**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.



Date	Rev.	Description
	0	

**KEY NOTES:**

- 1. CONTINUOUS METAL RIDGE VENT SEE DETAIL 4/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: ANASASTA-102RP
Submitted by: BAKER		Plot date: 2/23/2010	Plot scale: x:k

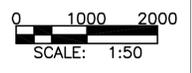
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ROOF PLAN

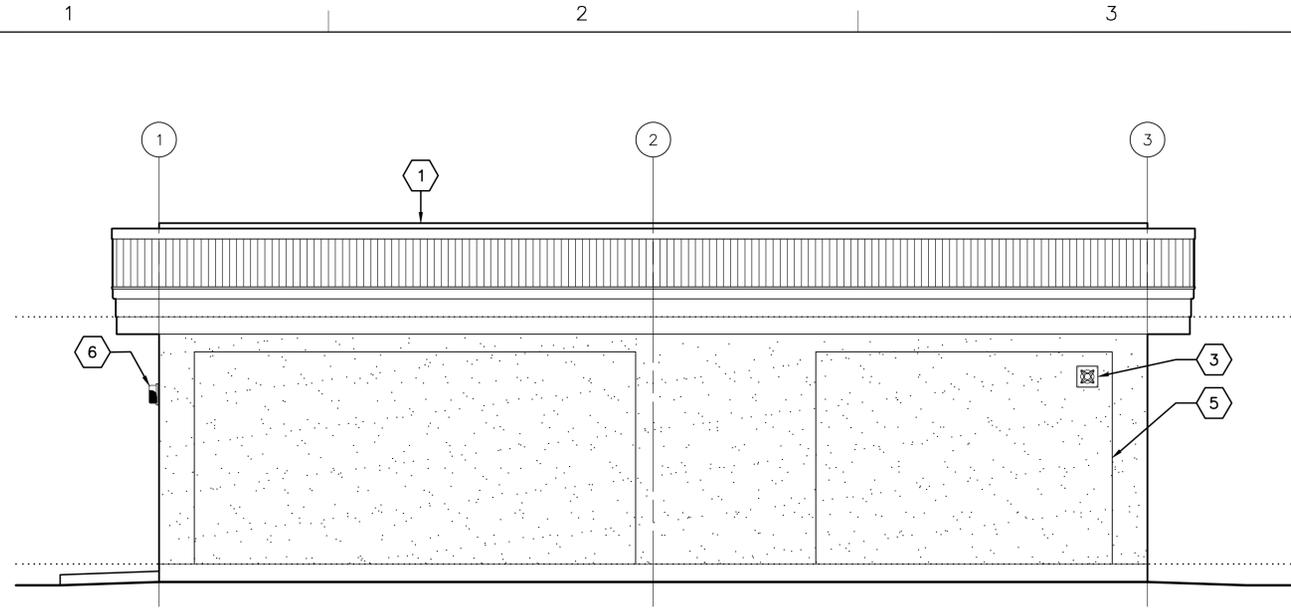
APPROVED:  
*K. R. Chafin*  
A/E DESIGNER OF RECORD



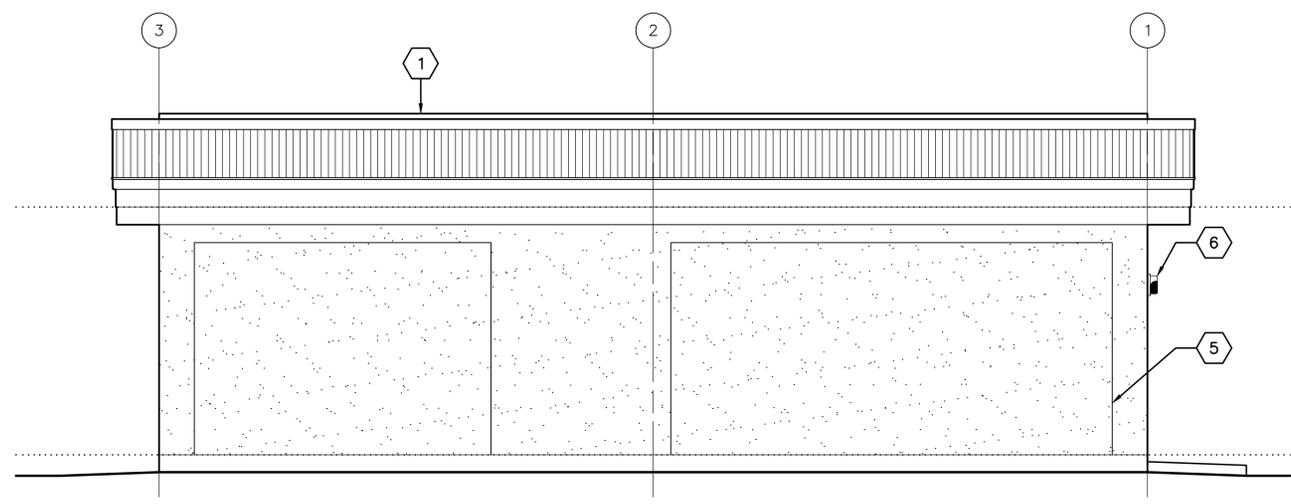
LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE NOTED



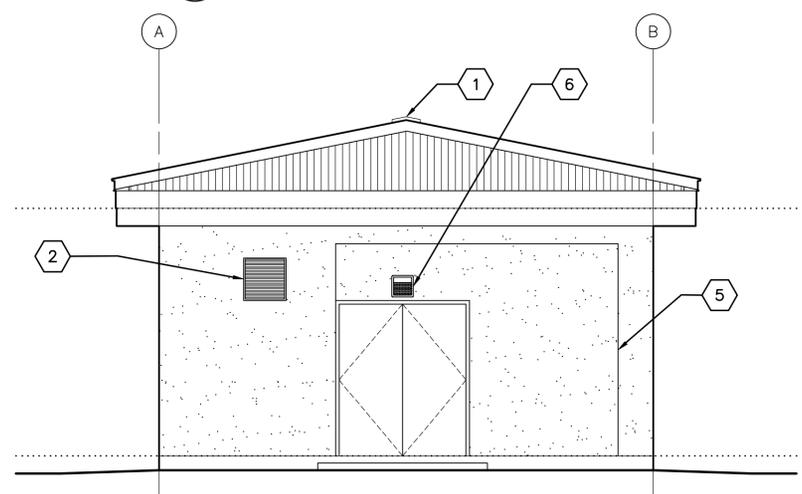
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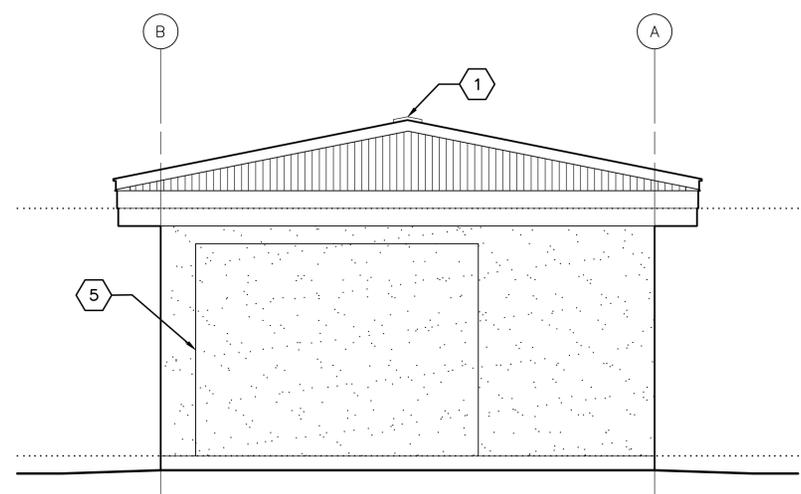
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ELEVATION  
A-201 SCALE: 1:50



**2**  
ELEVATION  
A-201 SCALE: 1:50



**3**  
ELEVATION  
A-201 SCALE: 1:50



**4**  
ELEVATION  
A-201 SCALE: 1:50

**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.

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Rev:	0
Date:	2/23/10
Design file no.:	
Designed by:	KRC
Dwn by:	EBB
Calcd by:	NLJ
Reviewed by:	LHM
Submitted by:	BAKER
Drawing code:	
File name:	ANASATA201ELEV
Plot date:	2/22/2010
Plot scale:	x:1
Mark	
Appr.	
Date	
Description	

**KEY NOTES:**

- 1. CONTINUOUS METAL RIDGE VENT - SEE DETAIL 4/A-501.
- 2. LOUVER, LOCATE TOP OF WALL PENETRATION 2800 MM ABOVE FINISHED FLOOR - SEE MECHANICAL DRAWINGS.
- 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 FIXTURE - SEE ELECTRICAL.



APPROVED:  
*K. R. Chafin*  
A/E DESIGNER OF RECORD



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STANDARD DESIGN  
SMALL ARMS STORAGE  
ELEVATIONS

Sheet reference number:  
**A-201**

1

2

3

4

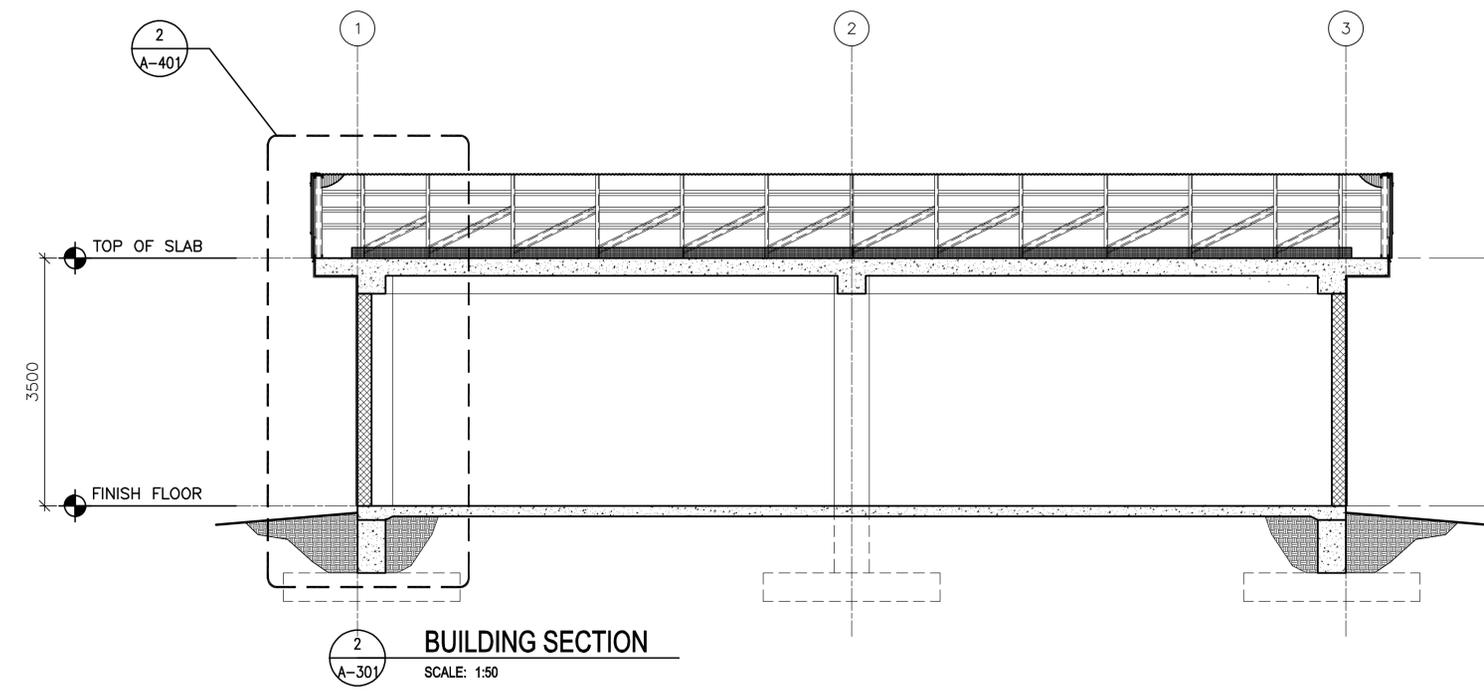
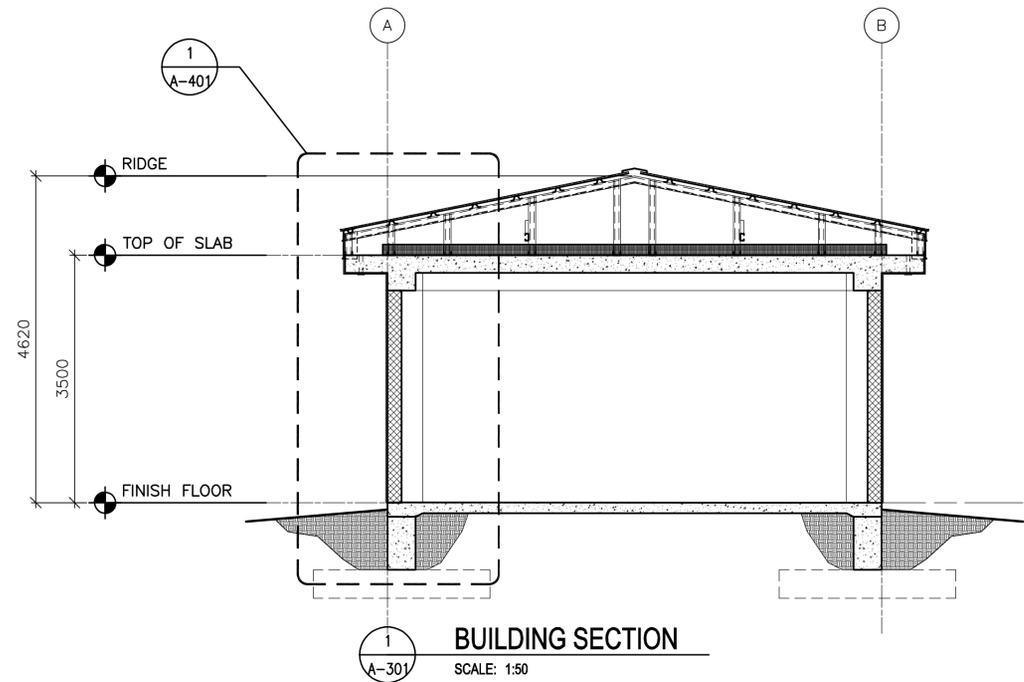
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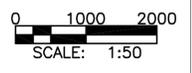
C

B

A



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



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*K. R. Chafin*  
A/E DESIGNER OF RECORD



Rev.	Date	Description	Mark	Date	Appr.
0	2/23/10	Design file no.			
		Drawing code:			
		File name: ANASSTA-301B			
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		Plot date: 2/23/2010			
		Plot scale: x:1			

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Dwn by: EBB  
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Submitted by: BAKER

Date: 2/23/10  
Design file no.:  
Drawing code: XXXXXX  
File name: ANASSTA-301B  
Plot date: 2/23/2010  
Plot scale: x:1

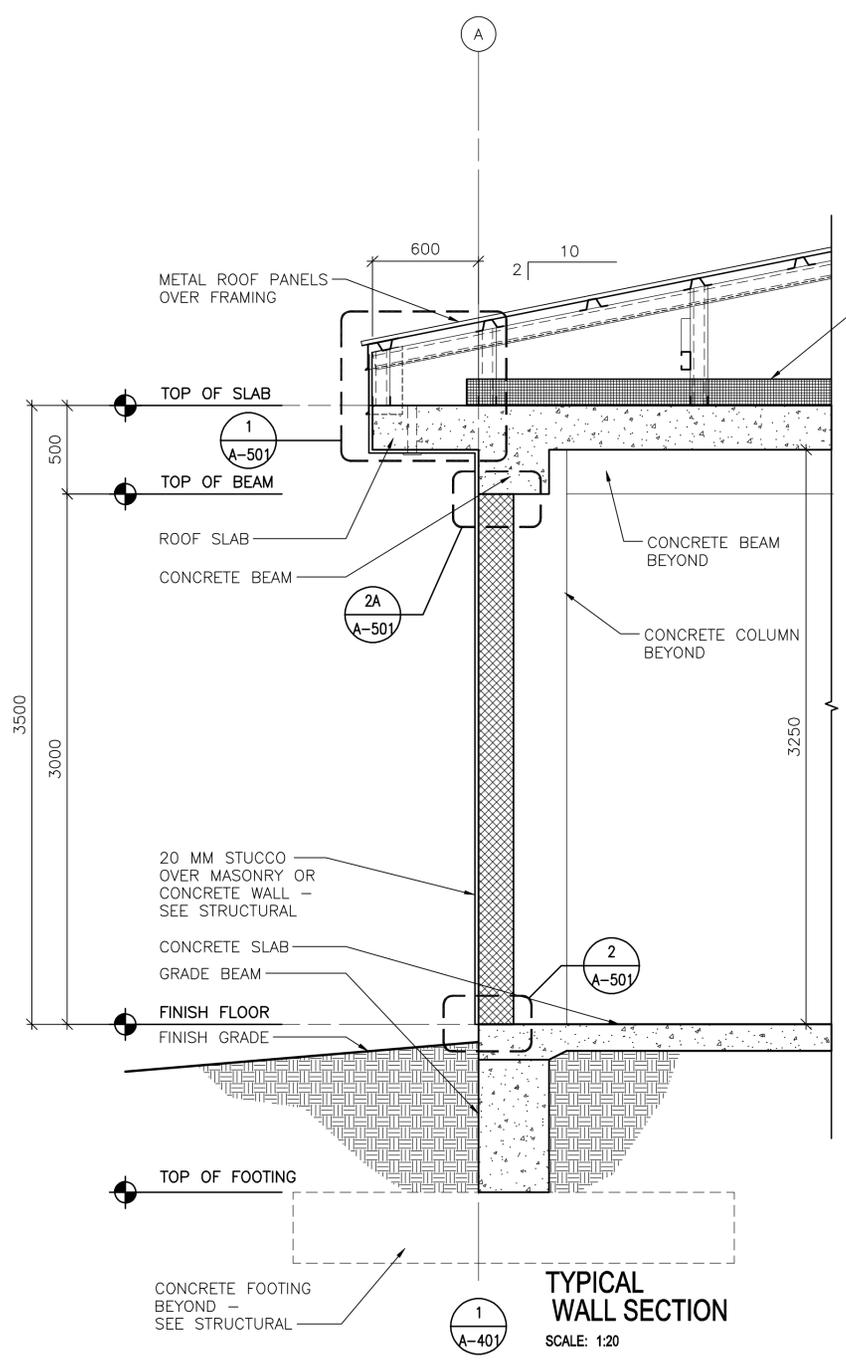
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SMALL ARMS STORAGE

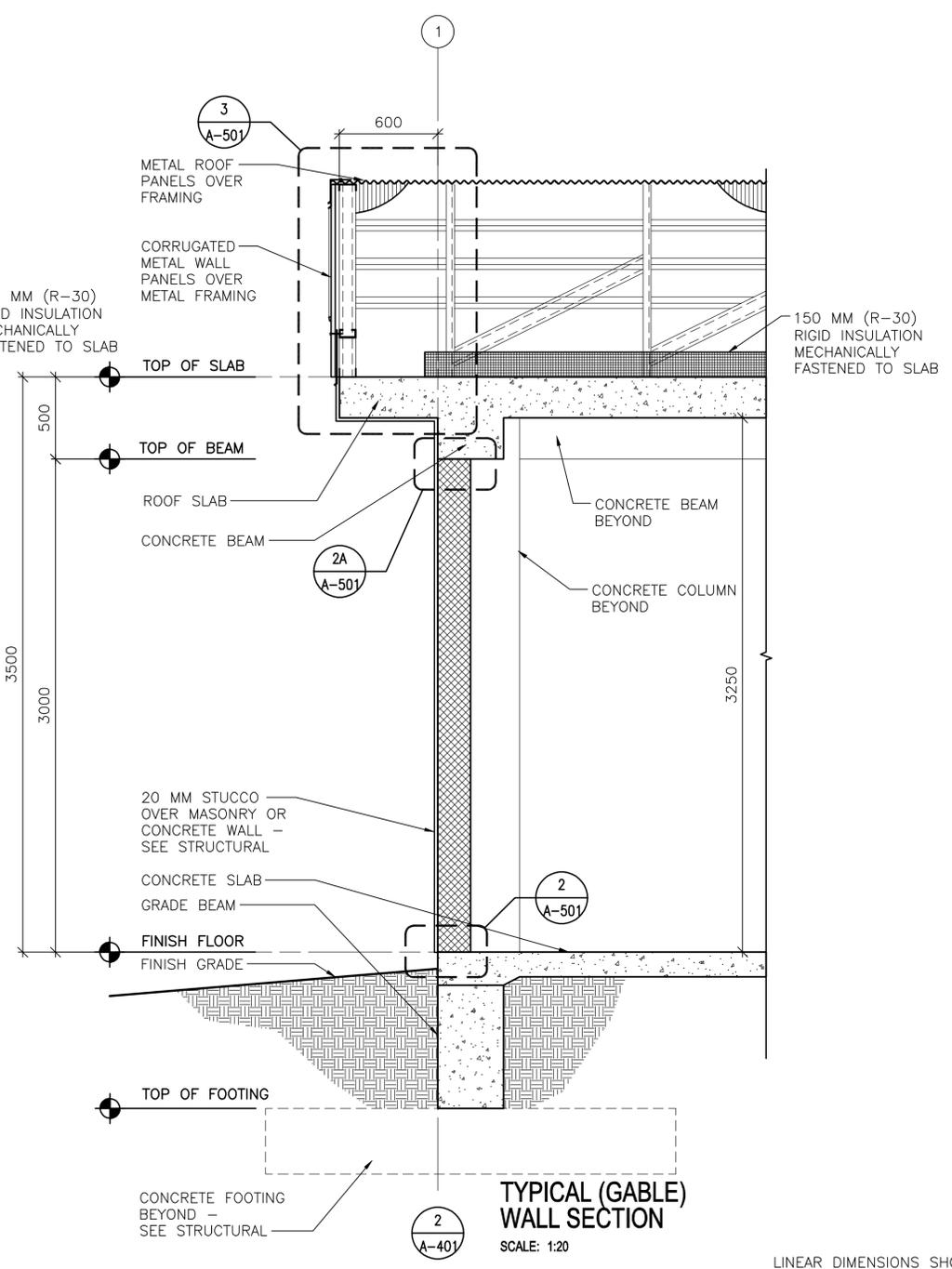
BUILDING SECTIONS

Sheet  
reference  
number:  
**A-301**

Rev.	Date	Description	Mark	Date	Appr.

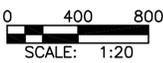


**TYPICAL WALL SECTION**  
 SCALE: 1:20



**TYPICAL (GABLE) WALL SECTION**  
 SCALE: 1:20

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



SCALE: 1:20

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 A/E DESIGNER OF RECORD



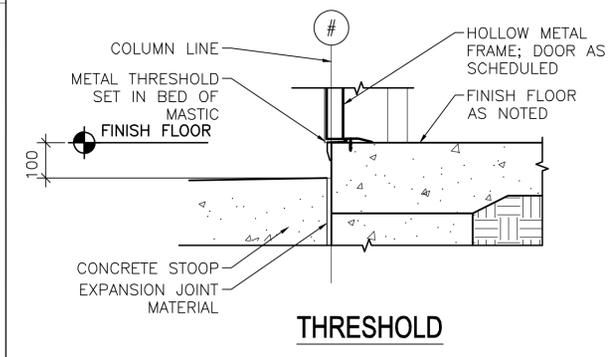
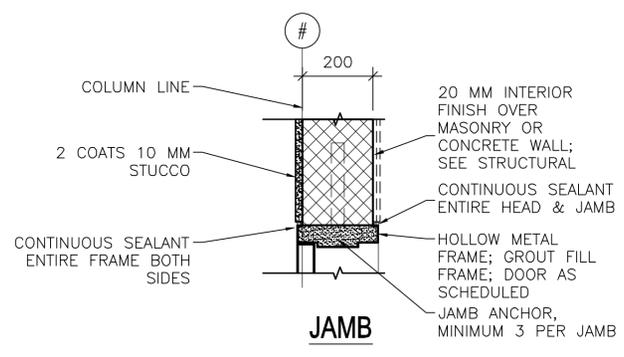
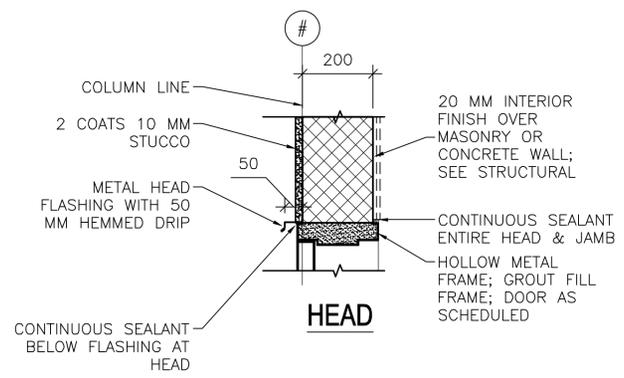
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Dwn by:	EBB	Reviewed by:	LHM
Submitted by:	BAKER	Drawing code:	ANASATA-401WS
File name:	ANASATA-401WS	Plot date:	222020
Plot scale:			

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 STANDARD DESIGN  
 SMALL ARMS STORAGE  
 WALL SECTIONS

Sheet reference number:  
**A-401**





1  
A-502

**EXTERIOR DOOR DETAILS**

SCALE: 1:10



Rev.	Date	Description
0		

Designed by:	KRC	Checked by:	NLJ
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Submitted by:	BAKER	Drawing code:	ANASATA-020105
Date:	2/23/10	File name:	ANASATA-020105
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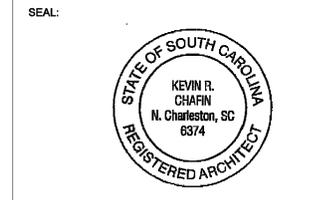
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STANDARD DESIGN

SMALL ARMS STORAGE  
HEAD, JAMB & SILL  
DETAILS

APPROVED:

*K. R. Chafin*

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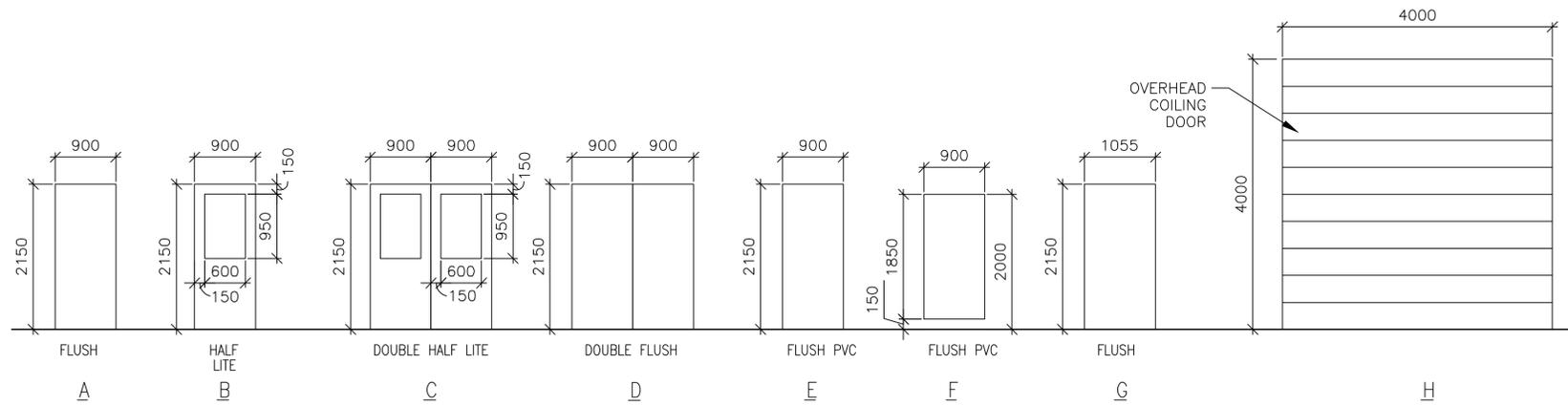


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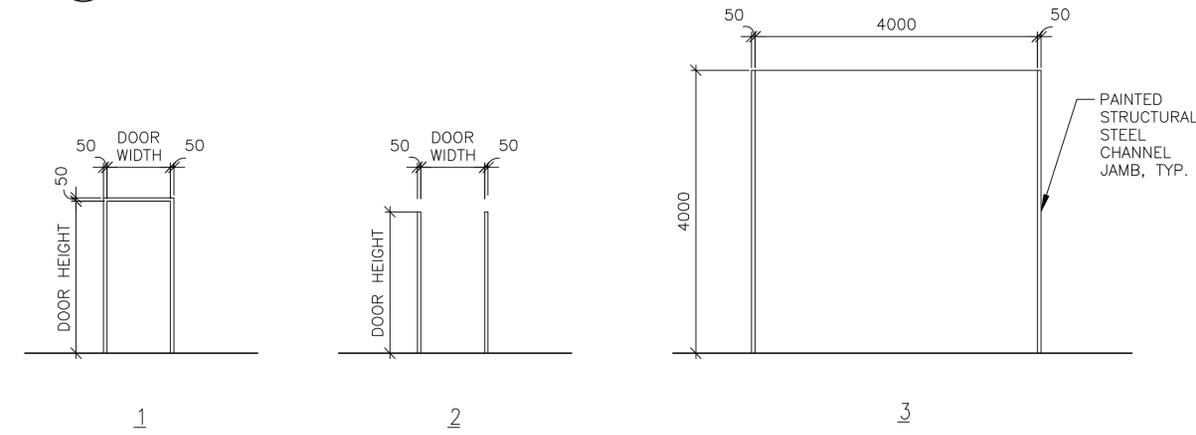
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0 200 400  
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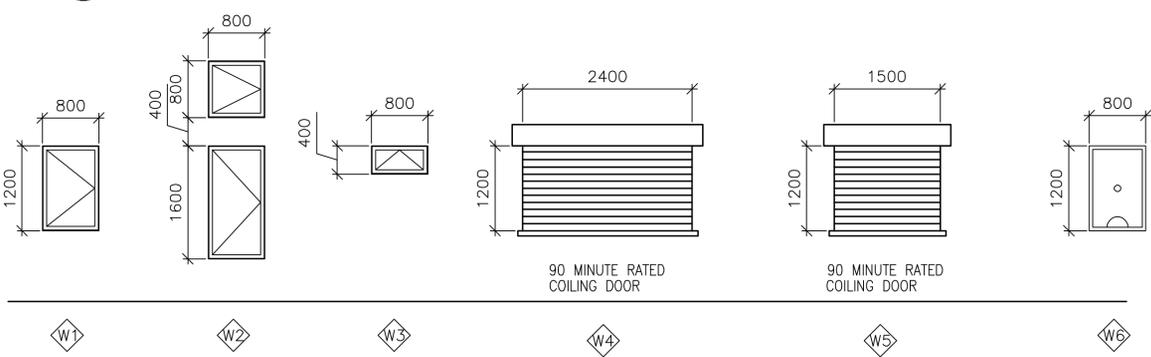




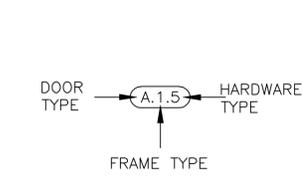
**1 DOOR TYPES**  
SCALE: 1:50



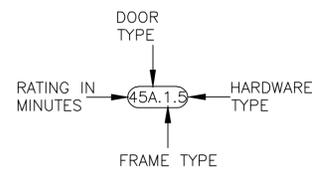
**2 FRAME TYPES**  
SCALE: 1:50



**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

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Ctd by: NLJ  
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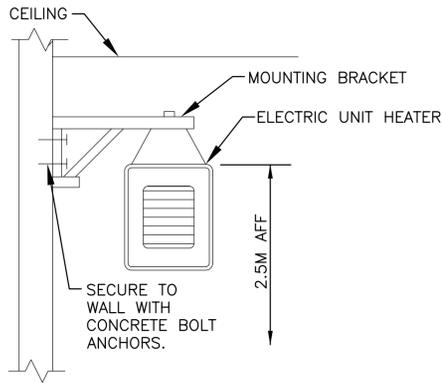
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WINDOW AND DOOR SCHEDULES

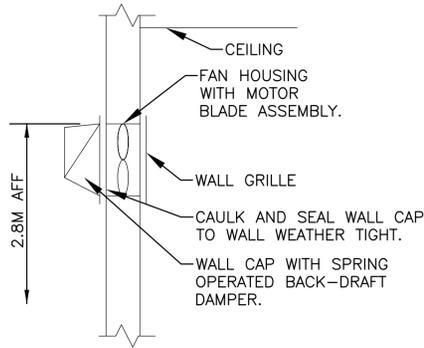
APPROVED:  
*X. P. Cliff*  
A/E DESIGNER OF RECORD

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

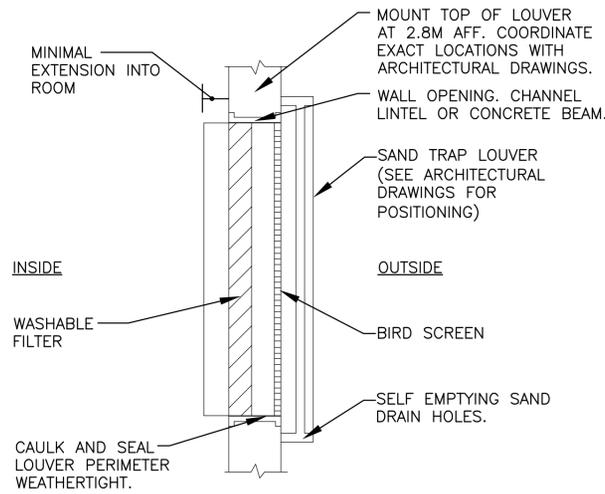
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**A-601**



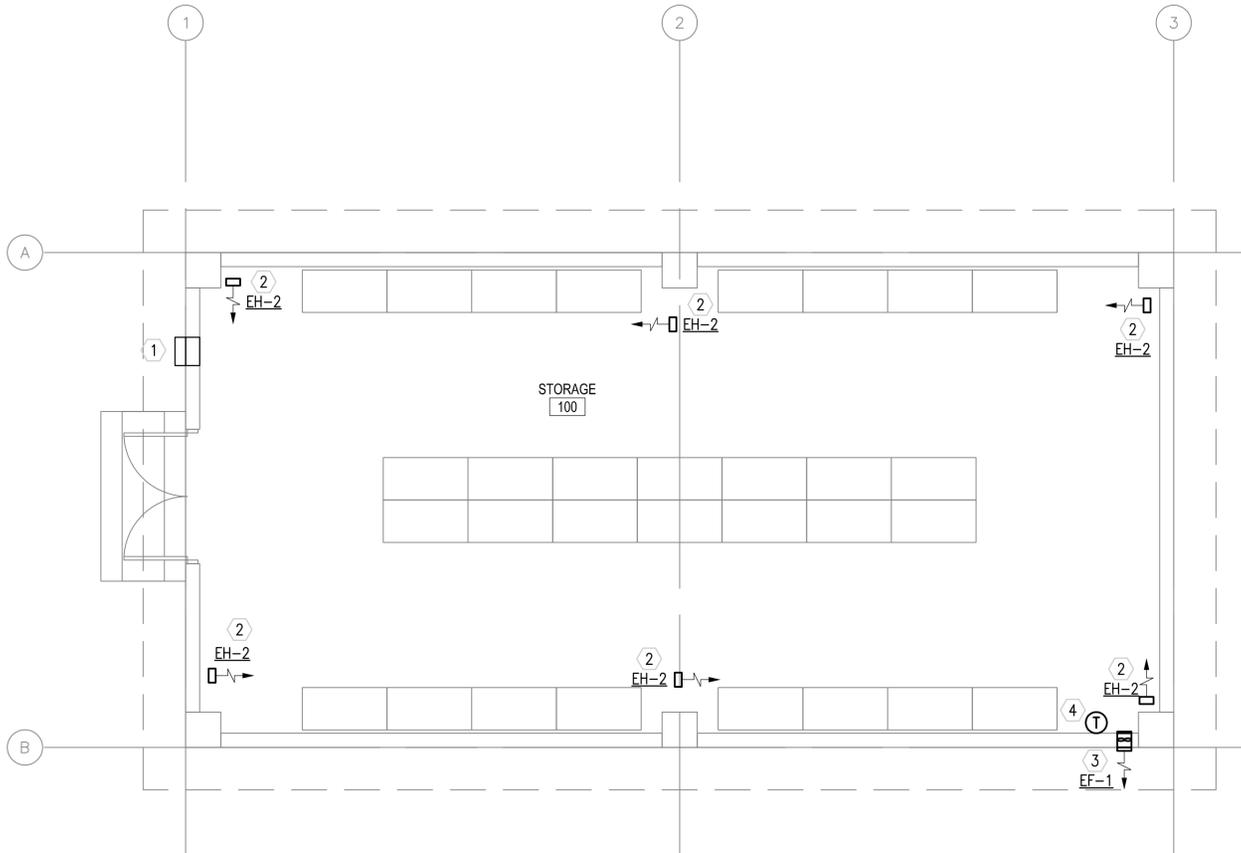
1 ELECTRIC UNIT HEATER MOUNTING DETAIL  
M-101/N.T.S.



2 WALL EXHAUST FAN DETAIL  
M-101/N.T.S.



3 FILTERED SAND TRAP LOUVER  
M-101/N.T.S.



1 FLOOR PLAN - HVAC  
M-101 SCALE: 1:50

**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.
- ALL EQUIPMENT, WITHIN THIS BUILDING SHALL BE NONINCENDIVE OR HERMETICALLY SEALED OR SHALL BE PROVIDED WITH A NONINCENDIVE OR HERMETICALLY SEALED ENCLOSURE PER NEC ARTICLE 500.7. ALL WORK IN THIS BUILDING SHALL BE IN ACCORDANCE WITH NEC ARTICLE 502. NONINCENDIVE OR HERMETICALLY SEALED EQUIPMENT SHALL BE USED FOR ALL FIXTURES AND DEVICES. PROVIDE CONDUIT SEALS WHERE REQUIRED. ALL WIRING SHALL BE IN ACCORDANCE WITH NEC ARTICLE 502. FOR CLASS II LOCATIONS, INSTALLATION SHALL BE IN ACCORDANCE WITH DEPARTMENT OF DEFENSE DESIGN DOCUMENT 6055.9-STD.

**SYMBOLS:**

- (X) KEY NOTE
- 200x400 (8x16) TRANSFER GRILLE

**ABBREVIATIONS:**

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

**KEY NOTE:**

- 610x610 (24x24) INTAKE LOUVER. PROVIDE WEATHER PROOF LOUVER WITH 50mm (2") WASHABLE FILTER AND SAND TRAP. SEE DETAIL 4 THIS SHEET.
- EXPLOSION PROOF ELECTRIC UNIT HEATER SECURED TO WALL. SEE DETAIL 2 THIS SHEET.
- WALL EXHAUST FAN WITH LOW SPRING OPERATED BACK-DRAFT DAMPER. SEE DETAIL 3 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).

**EXHAUST FAN SCHEDULE**

NO.	TYPE	FAN CMS	DRIVE	HP	SP mmH2O	ELECTRICAL DATA	SWITCH
EF-1	WALL	0.330	DIRECT	FRACT	13	220/1/50	W/ STAT

**NOTES:**

- FANS SHALL HAVE SPRING OPERATED BACK-DRAFT DAMPER.
- SEE GENERAL NOTE #4.

**ELECTRIC UNIT HEATER SCHEDULE**

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

**NOTES:**

- COORDINATE LOCATION AND ORIENTATION IN FIELD.
- UNIT HEATERS SHALL HAVE TAMPER PROOF INTEGRAL STATS.
- SEE GENERAL NOTE #4.



Rev.	Date	Description
10	02/23/10	

Designed by: RML	Checked by: CJM	Date: 02/23/10	Rev: 10
Dwn by: JUN	Reviewed by: MRS	Design file no.:	Drawing code:
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HVAC - FLOOR PLAN,  
SCHEDULES AND DETAILS

Sheet reference number:  
M-101

APPROVED:

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0 1000 2000  
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- 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

- NOTATIONS & 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

- NOTATIONS & 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

- 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.

- 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 4mm<sup>2</sup>. 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	

Designed by: <b>KUR</b>	Checked by: <b>JRG</b>	Reviewed by: <b>JRG</b>	Submitted by: <b>BAKER</b>
Dwn by: <b>BUB</b>			

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STANDARD DESIGN

SMALL ARMS STORAGE

ELECTRICAL SYMBOLS & ABBREVIATIONS

APPROVED:

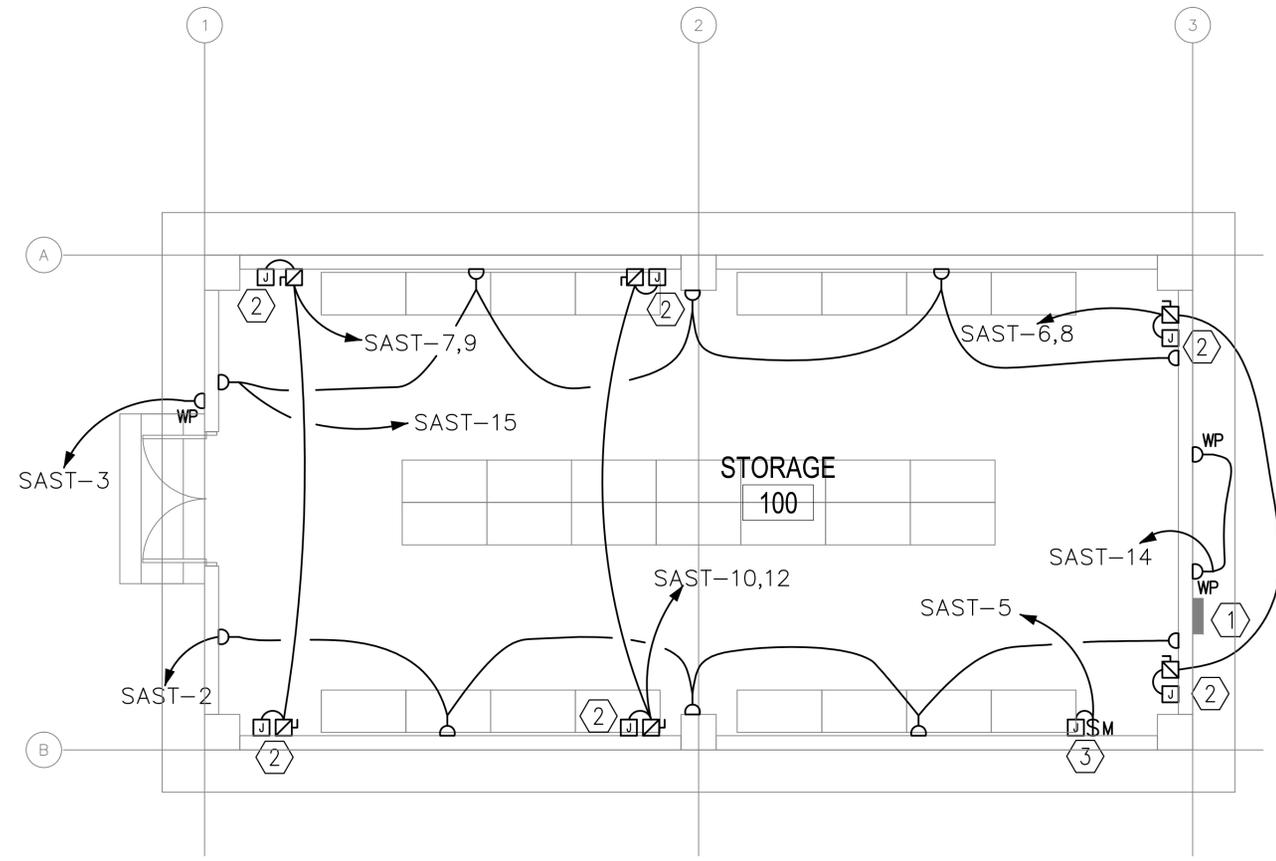
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SEAL:

Sheet reference number:  
**E-001**





1  
E-102  
SCALE: 1:50  
**SMALL ARMS STORAGE  
FLOOR PLAN - POWER AND SYSTEMS**

**GENERAL NOTES:**

1. REFER TO DRAWING #E-001 FOR THE ELECTRICAL SYMBOLS LIST. REFER TO
2. DRAWING #E-501 FOR THE POWER RISER.
3. REFER TO DRAWING #E-601 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.
6. ALL PANELS, DEVICES, EQUIPMENT, ETC. SHALL BE NONINCENDIVE OR HERMETICALLY SEALED OR SHALL BE PROVIDED WITH A NONINCENDIVE OR HERMETICALLY SEALED ENCLOSURE PER NEC ARTICLE 500.7. ALL WORK IN THIS BUILDING SHALL BE IN ACCORDANCE WITH NEC ARTICLE 502. NONINCENDIVE OR HERMETICALLY SEALED EQUIPMENT SHALL BE USED FOR ALL FIXTURES AND DEVICES. PROVIDE CONDUIT SEALS WHERE REQUIRED. ALL WIRING SHALL BE IN ACCORDANCE WITH NEC ARTICLE 502. FOR CLASS II LOCATIONS. INSTALLATION SHALL BE IN ACCORDANCE WITH DEPARTMENT OF DEFENSE DESIGN DOCUMENT 6055.9-STD.

**NUMBERED NOTES:**

- ① PANEL SAST WITH NEMA 3R LOCKABLE, WEATHERPROOF HOUSING.
- ② PROVIDE POWER CONNECTION TO ELECTRIC UNIT HEATER #2. SEE DRAWINGS #M-101 AND #E-602 FOR MORE INFORMATION.
- ③ PROVIDE POWER CONNECTION TO EXHAUST FANS. SEE DRAWINGS #M-101 AND #E-602 FOR MORE INFORMATION.



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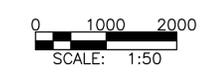
Rev.	Date	Description
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Dwn by: BUB	Reviewed by: JRG	Design file no.:	
Submitted by: BAKER	Drawing code:	File name:	
		Plot date:	
		Plot scale:	

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SMALL ARMS STORAGE  
ELECTRICAL POWER AND SYSTEMS PLAN

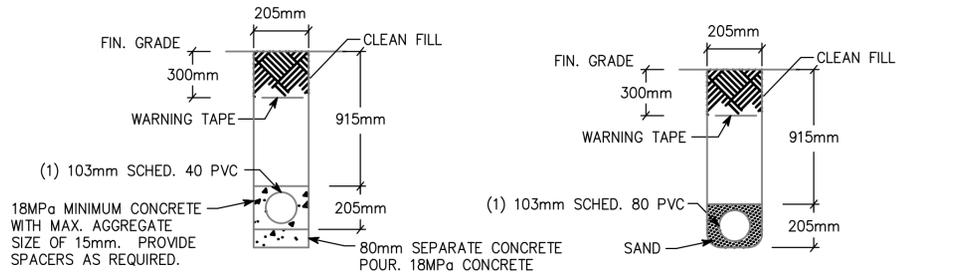
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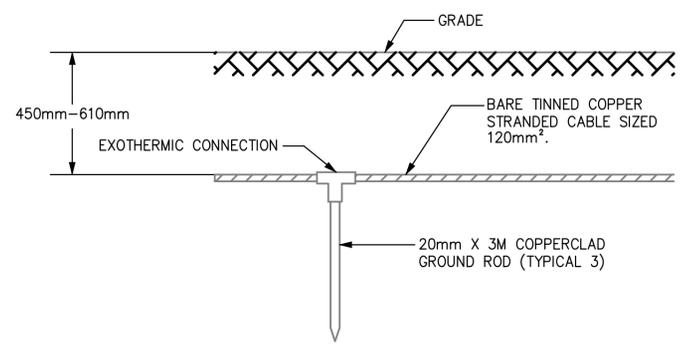


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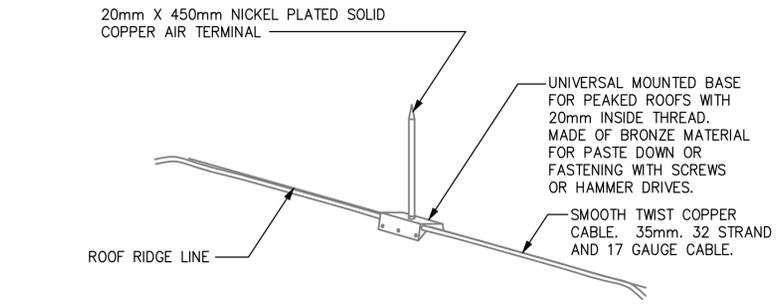




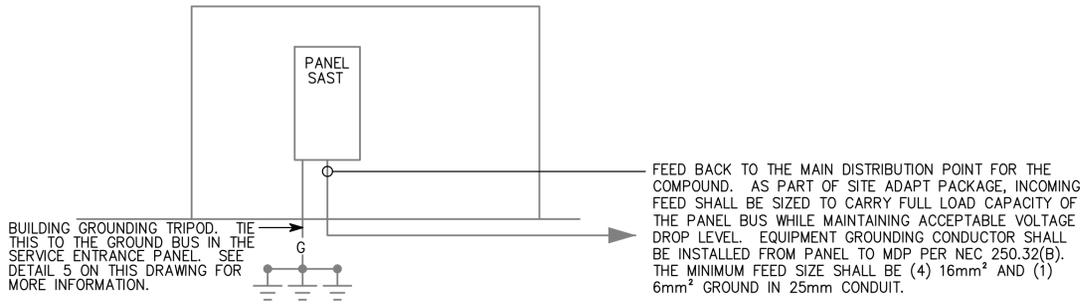
**1 TYPICAL DUCT BANK DETAILS FOR CONDUIT IN SAND OR CONCRETE**  
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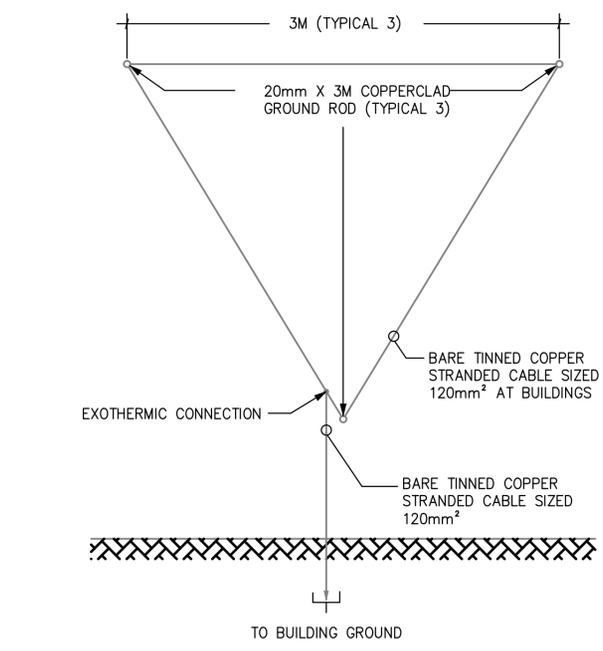
**2 GROUND TRIPOD SYSTEM DETAIL - ELEVATION**  
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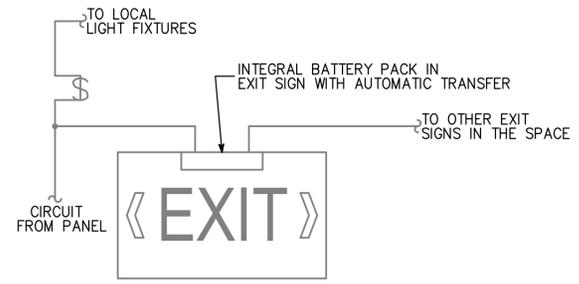
**3 LIGHTNING PROTECTION AIR TERMINAL DETAIL**  
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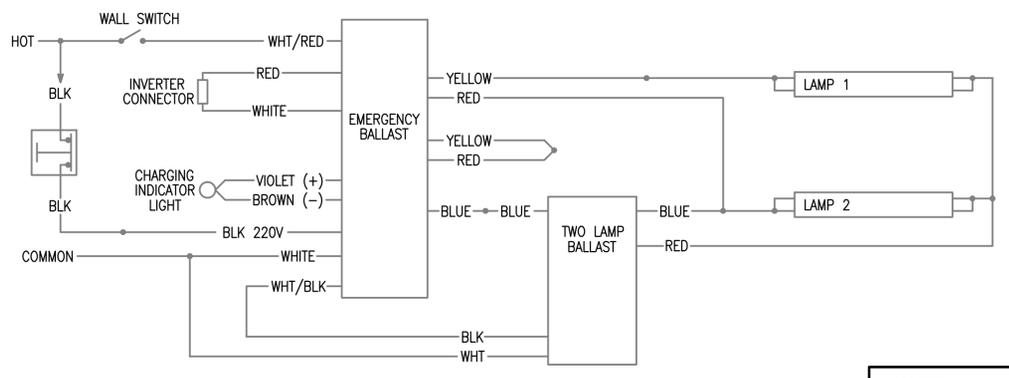
**4 SAST RISER DIAGRAM**  
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**5 GROUND TRIPOD SYSTEM DETAIL - PLAN**  
 SCALE: N.T.S.



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



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

APPROVED:

A/E DESIGNER OF RECORD

SEAL:

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

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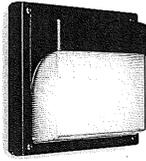
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 STANDARD DESIGN

SMALL ARMS STORAGE  
 ELECTRICAL DETAILS

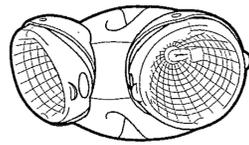
Sheet reference number:  
**E-501**



FIXTURE MARK 'C'



FIXTURE MARK 'H'



FIXTURE MARK 'E'



FIXTURE MARK 'J'



# LIGHT FIXTURE SCHEDULE

FIXTURE MARK	STYLE NUMBER AND TYPE	NUMBER AND TYPE OF LAMPS	VOLTAGE	MOUNTING	NOTES
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	
J	EXPLOSION-PROOF (2) LAMP FIXTURE PROVIDED WITH LAMPS. COPPER FREE, ALUMINUM HOUSING, TEMPERED BOROSILICATE GLASS, AND BIAx LAMPS WITH WIRE GUARD	(2) 40W 3500K BIAx FLUORESCENT LAMPS	220V - 1Ø 50HZ	SURFACE MOUNTED	FURNISHED WITH LAMPS AND WIRE GUARD
J2	SAME AS FIXTURE 'A' WITH EMERGENCY BALLAST	(2) 40W 3500K BIAx FLUORESCENT LAMPS	220V - 1Ø 50HZ	SURFACE MOUNTED	FURNISHED WITH LAMPS, WIRE GUARD, EMERGENCY BALLAST WITH SELF TEST SWITCH
E	UNIVERSAL MOUNT NONINCENDIVE 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	EXIT SIGN SHALL BE NONINCENDIVE TYPE EXIT SIGN.



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

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SMALL ARMS STORAGE

ELECTRICAL LIGHT FIXTURE SCHEDULE

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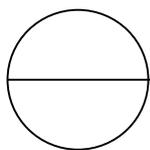
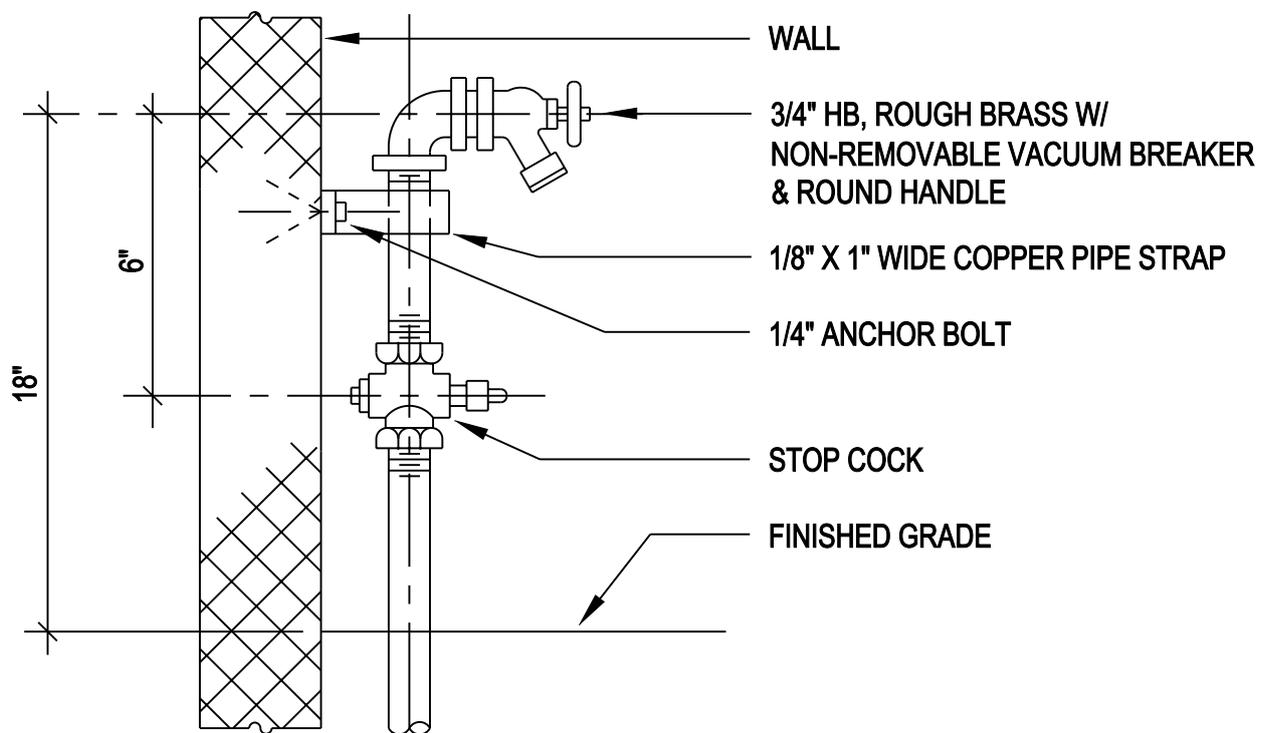
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Sheet reference number:  
E-601





# HOSE BIBB-EXTERIOR

NTS

( WARM CLIMATE )

1/15/88

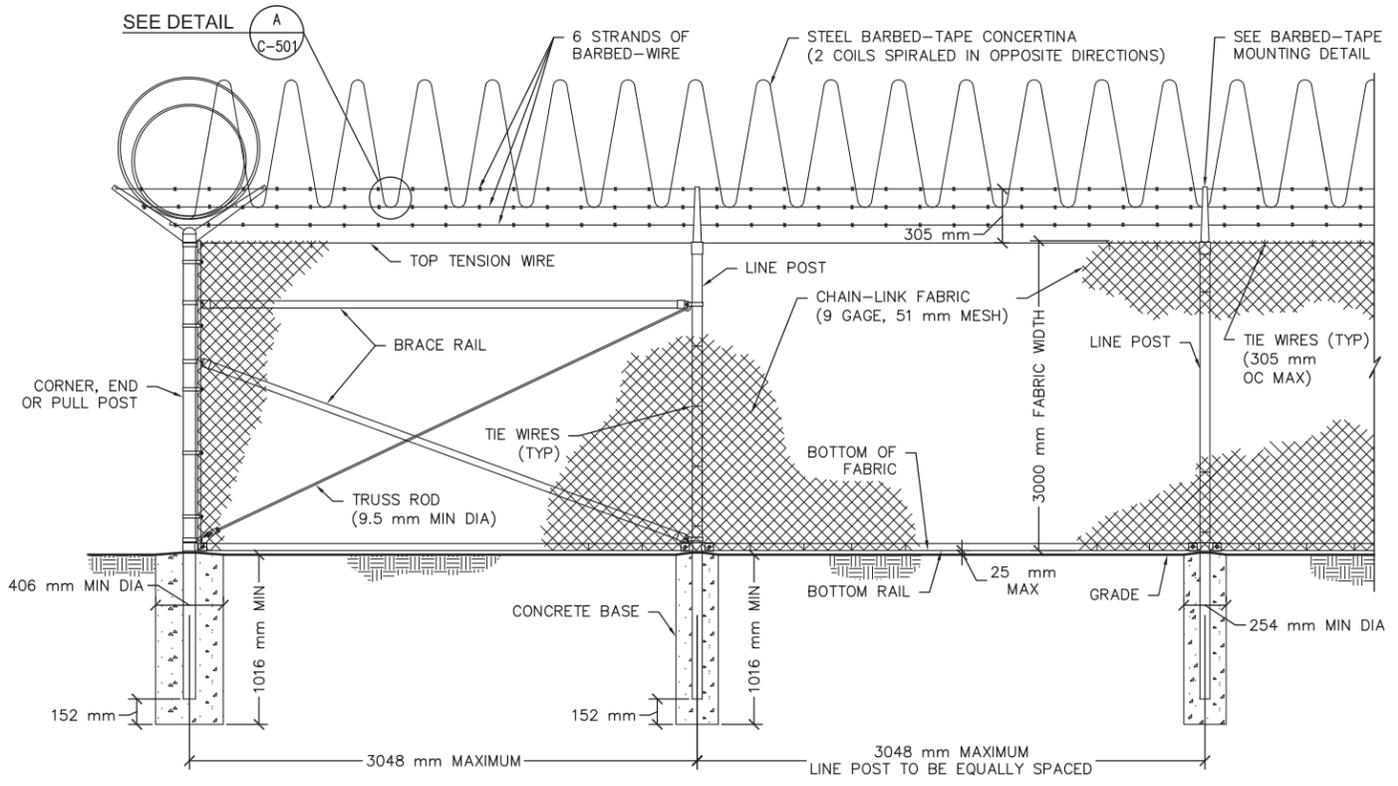


Rev.	Date	Description
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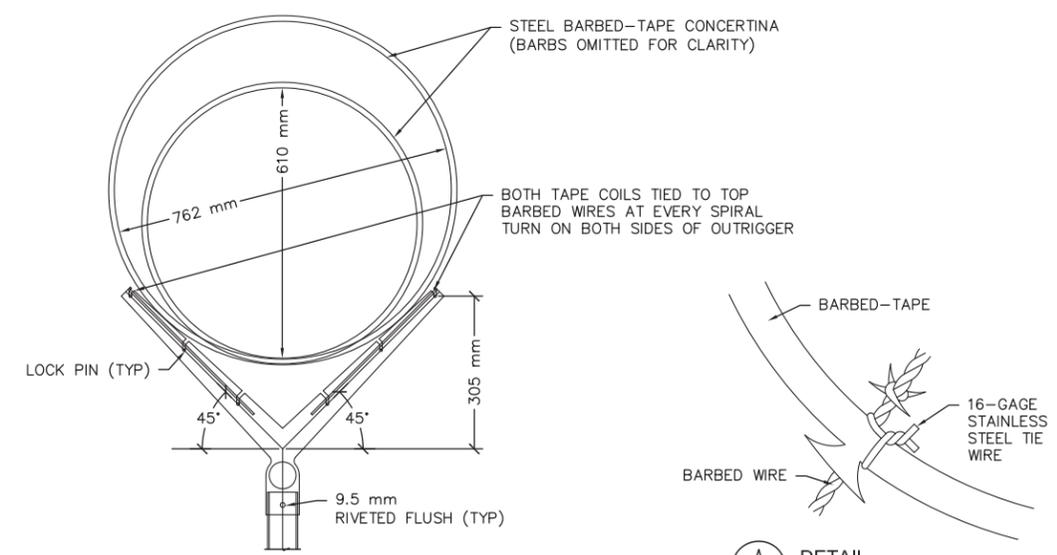
Designed by: GPH	Drawn by: JMS	Reviewed by: LHM	Submitted by: BAKER
Checked by: JMB	Design file no. C-501	Drawing code:	
Date: 2/23/2010	File name: ANAMOTR-C-501008	Plot date: 2/23/2010	Plot scale: 1:1

AFGHAN NATIONAL ARMY  
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XXXXXX  
3000 mm FENCING DETAILS  
XXXXXX

Sheet reference number:  
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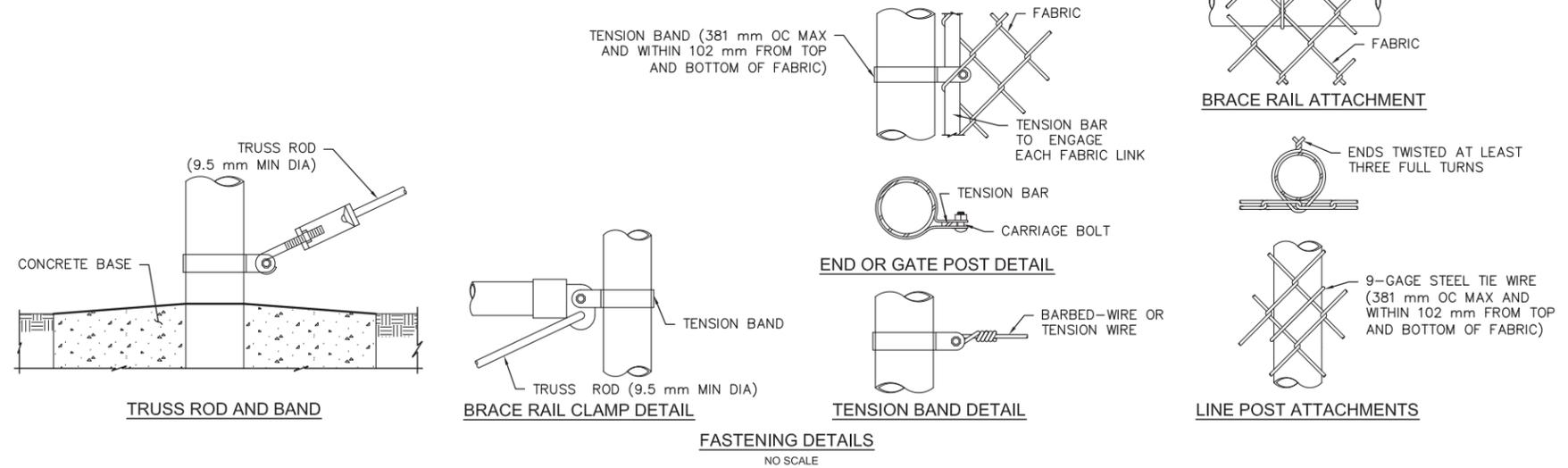
1 3000 mm CHAIN-LINK SECURITY FENCE DETAIL  
C-501 SCALE: NTS



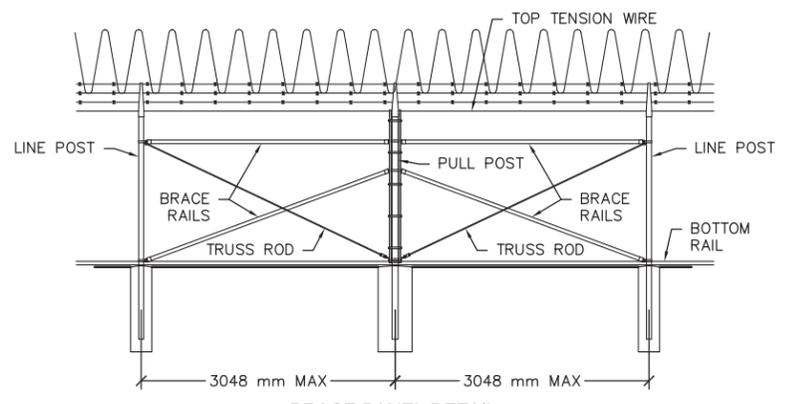
BARBED-TAPE MOUNTING DETAIL  
NO SCALE

USE AND SECTION	STEEL POST SCHEDULE	
	MINIMUM OUTSIDE DIMENSIONS (NOMINAL)	
	FABRIC WIDTH 2440 mm AND OVER	
CORNER, END & PULL POSTS		
TUBULAR - ROUND	102 mm O.D.	
LINE POSTS		
TUBULAR - ROUND	73 mm O.D.	
BOTTOM & BRACE RAILS		
TUBULAR - ROUND	42 mm O.D.	
TUBULAR - SQUARE	38 mm SQ.	
H-SECTION	41 mm x 38 mm	
C-SECTION (ROLL-FORMED)	41 mm x 32 mm	

- NOTES:
1. WIRE TIES, RAILS, POSTS, AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE SIDE OPPOSITE THE SECURE AREA.
  2. ONLY 9-GAGE GALVANIZED STEEL TIE WIRES SHALL BE USED FOR FASTENING THE FENCE FABRIC TO FENCE POSTS AND RAILS. 16-GAGE, STAINLESS STEEL TIE WIRES SHALL BE USED FOR FASTENING FENCE FABRIC TO TENSION WIRES. HOG RINGS SHALL NOT BE ALLOWED ON SENSORED FENCES.
  3. BOTTOM RAIL SHALL BE ATTACHED TO DOUBLE RAIL ENDS USING 9.5 mm CARRIAGE BOLTS AS SHOWN. ADDITIONAL HOLES SHALL BE DRILLED THROUGH THE BOTTOM RAIL ENDS TO INSURE THAT CARRIAGE BOLTS PASS THROUGH THE BOTTOM RAIL AS SHOWN.

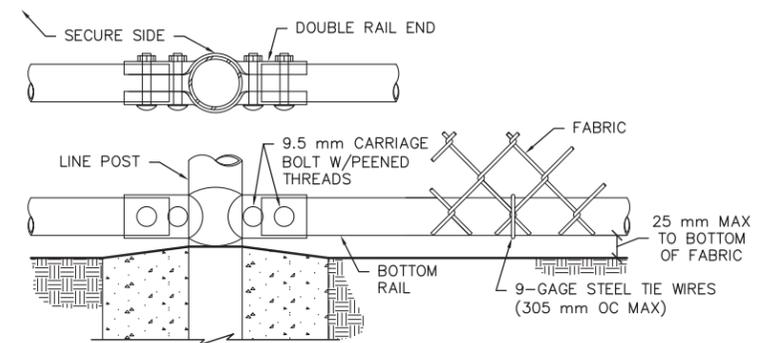


FASTENING DETAILS  
NO SCALE

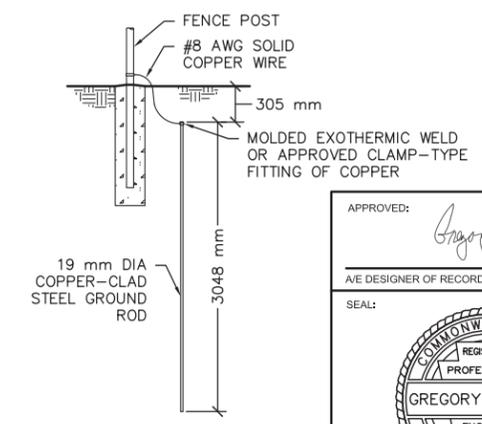


BRACE PANEL DETAIL  
NO SCALE

NOTE:  
PROVIDE BRACE PANEL WHENEVER  
STRAIGHT RUNS EXCEED 152 METERS.



BOTTOM RAIL DETAILS  
NO SCALE



GROUNDING DETAIL  
NO SCALE

APPROVED: *Gregory P. Hynes*

A/E DESIGNER OF RECORD

SEAL:





