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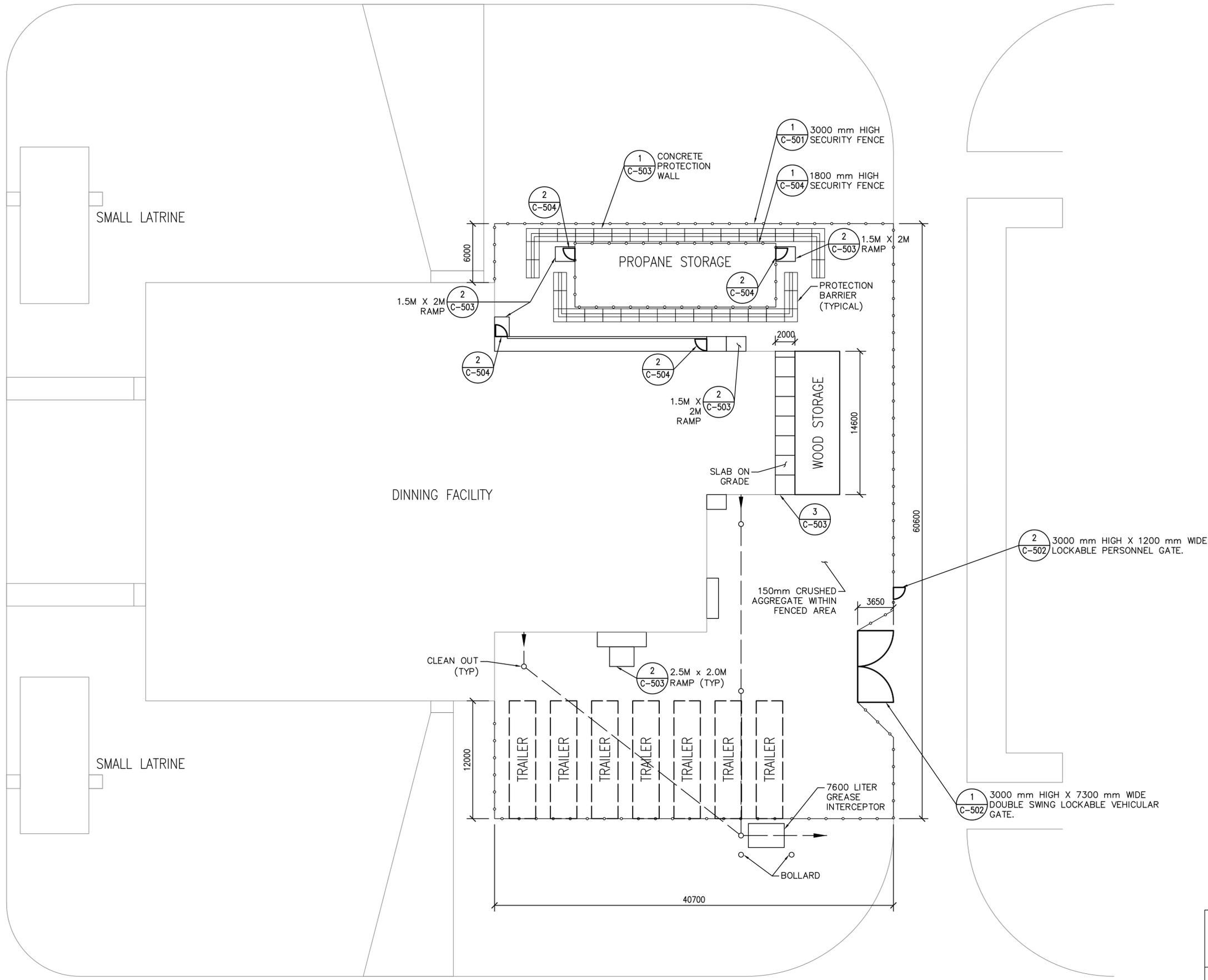
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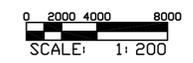
C

B

A



1 DFAC STORAGE AREA
C-101 SCALE: 1:200



APPROVED: *Gregory P. Hynes*
A/E DESIGNER OF RECORD

SEAL:



Rev.	Date	Description	Mark	Appr.	Date
0	2/23/2010				

Designed by:	GPH	Checked by:	LHM
Dwn by:	JDS	Reviewed by:	LHM
Submitted by:	BAKER		

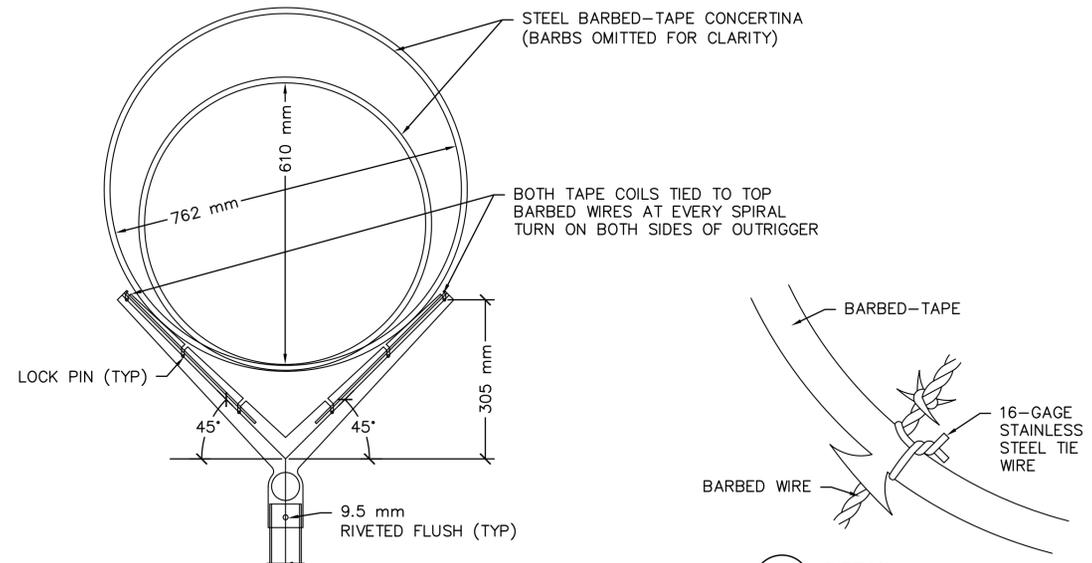
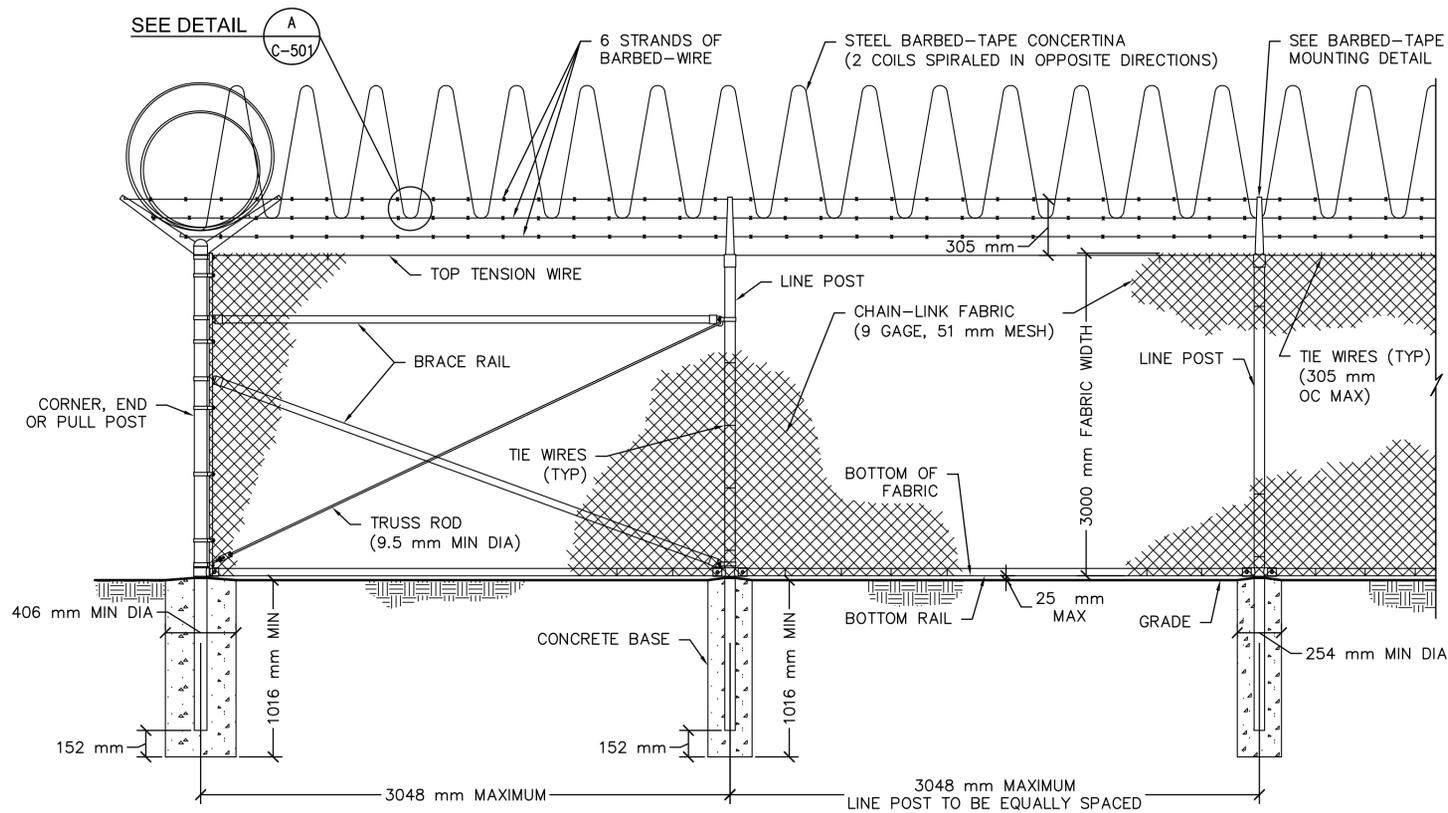
Date: 2/23/2010
Design file no.: C-101
Drawing code:
File name: ANAGINS-C-101.DWG
Plot date: 2/23/2010
Plot scale: 1:200

AFGHAN NATIONAL ARMY
REGIONAL MILITARY TRAINING CENTER
STANDARD DESIGN

DFAC STORAGE AREA

SITE PLAN

Sheet reference number:
C-101



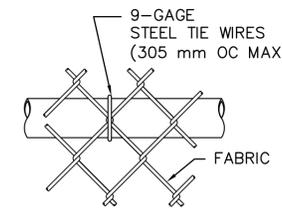
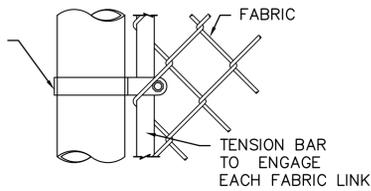
BARBED-TAPE MOUNTING DETAIL
NO SCALE

DETAIL A C-501
NO SCALE

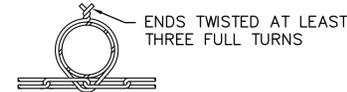
USE AND SECTION	STEEL POST SCHEDULE	
	MINIMUM OUTSIDE DIMENSIONS (NOMINAL)	
	FABRIC WIDTH 2440 mm AND OVER	
CORNER, END & PULL POSTS	102 mm O.D.	
TUBULAR - ROUND		
LINE POSTS	73 mm O.D.	
TUBULAR - ROUND		
BOTTOM & BRACE RAILS	42 mm O.D.	
TUBULAR - ROUND		
TUBULAR - SQUARE	38 mm SQ.	
H-SECTION	41 mm x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

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

TENSION BAND (381 mm OC MAX AND WITHIN 102 mm FROM TOP AND BOTTOM OF FABRIC)

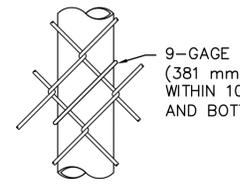


BRACE RAIL ATTACHMENT



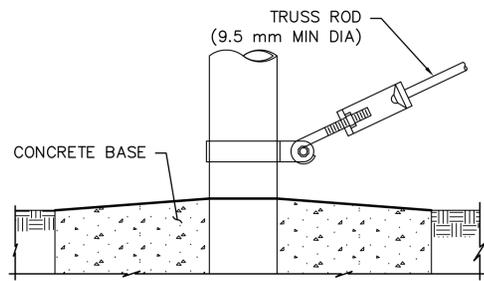
LINE POST ATTACHMENTS

9-GAGE STEEL TIE WIRE (381 mm OC MAX AND WITHIN 102 mm FROM TOP AND BOTTOM OF FABRIC)

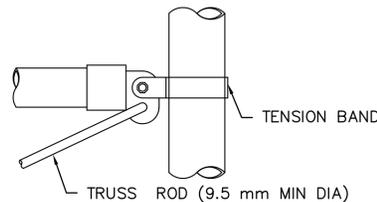


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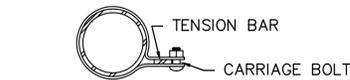
1. WIRE TIES, RAILS, POSTS, AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE SIDE OPPOSITE THE SECURE AREA.
2. ONLY 9-GAGE GALVANIZED STEEL TIE WIRES SHALL BE USED FOR FASTENING THE FENCE FABRIC TO FENCE POSTS AND RAILS. 16-GAGE, STAINLESS 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.



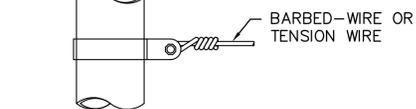
TRUSS ROD AND BAND



BRACE RAIL CLAMP DETAIL

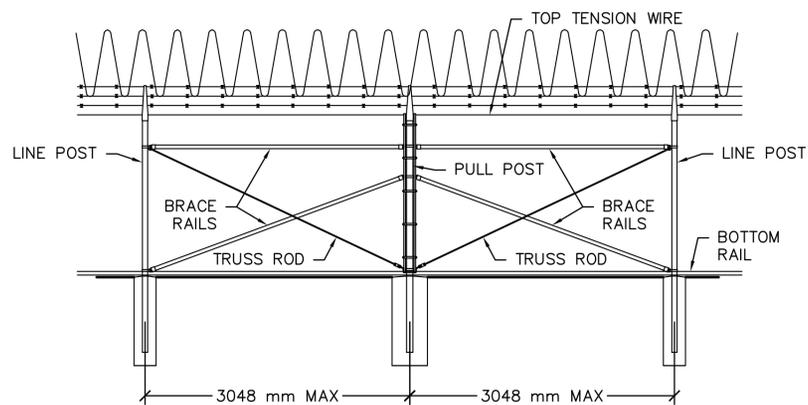


END OR GATE POST DETAIL



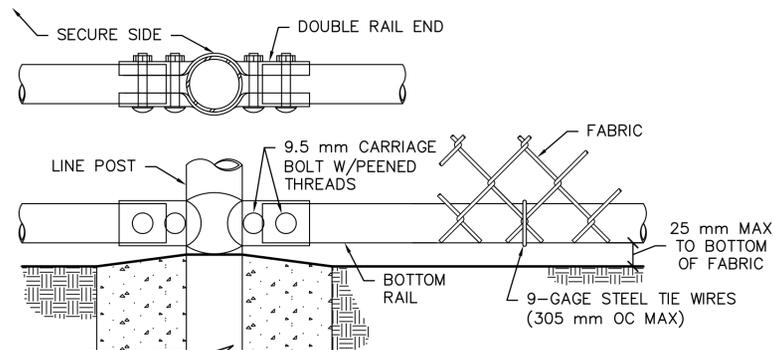
TENSION BAND DETAIL

FASTENING DETAILS
NO SCALE

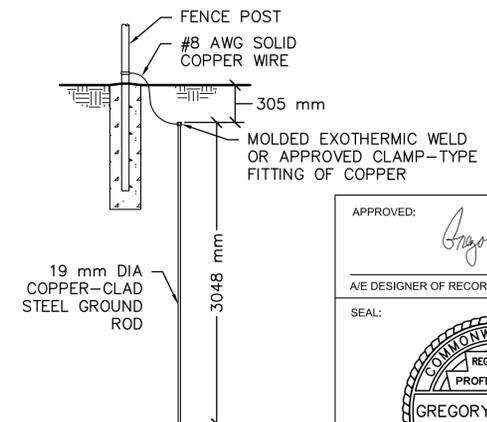


BRACE PANEL DETAIL
NO SCALE

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:



Rev.	Date	Description
0		

Designed by: GPH
 Dwn by: JDS
 Cld by: JMB
 Reviewed by: LHM
 Submitted by: BAKER

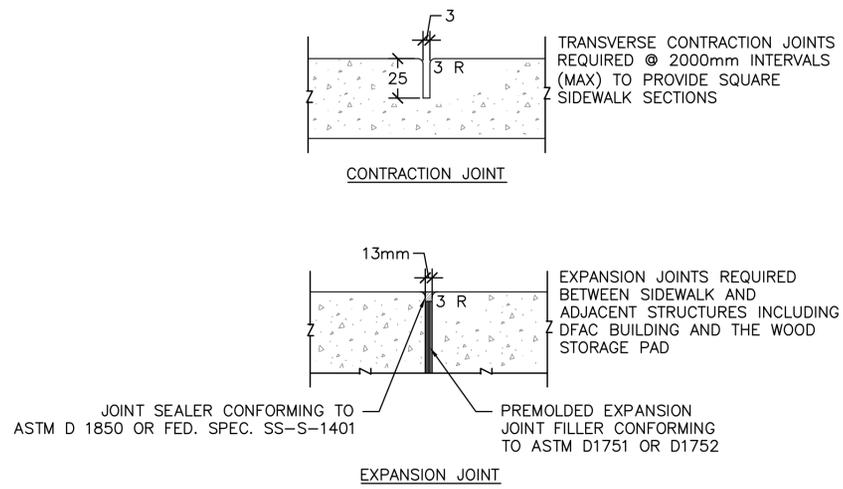
Date: 2/23/2010
 Design file no.: C-501
 Drawing code:
 File name: ANAGINS-C-501.DWG
 Plot date: 2/23/2010
 Plot scale: 1:1

AFGHAN NATIONAL ARMY
 REGIONAL MILITARY TRAINING CENTER
 STANDARD DESIGN

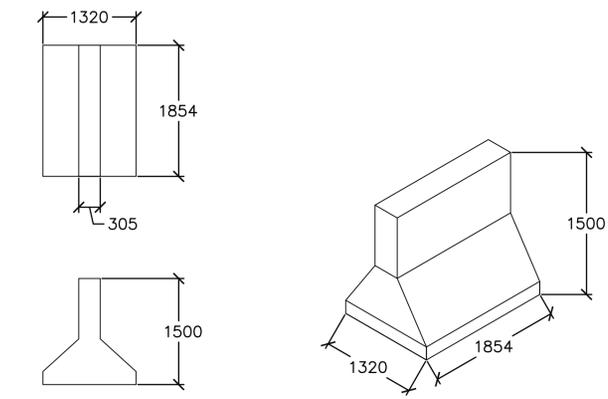
DFAC STORAGE AREA

3000 mm FENCING DETAILS

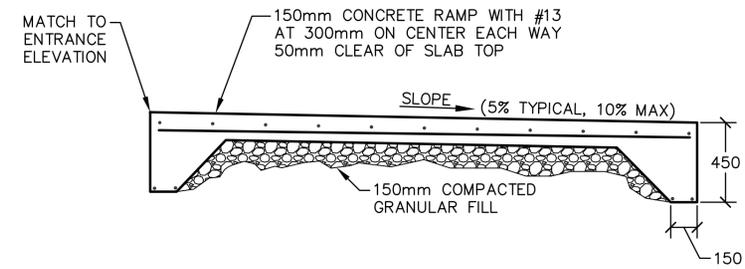
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C-501



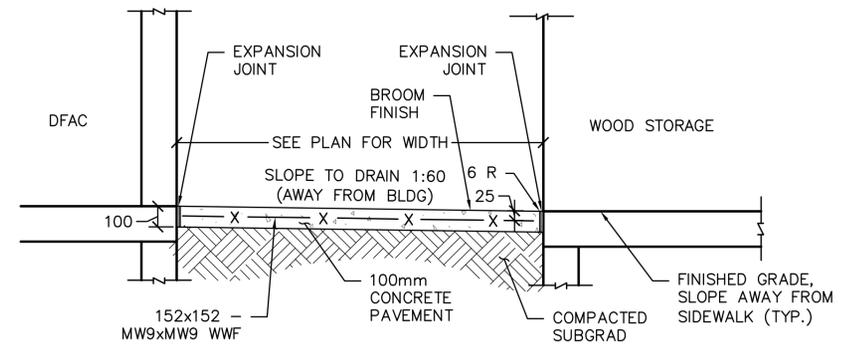
4 TYPICAL CONCRETE SIDEWALK DETAILS
C-503 SCALE: NTS



1 PROTECTION WALL DETAIL
C-503 SCALE: NTS



2 CONCRETE ENTRANCE RAMP DETAIL
C-503 SCALE: NTS



3 CONCRETE SIDEWALK DETAIL
C-503 SCALE: NTS

APPROVED: *Gregory P. Hynes*

A/E DESIGNER OF RECORD

SEAL:



Rev.	Date	Description	Mark	Appr.	Date
0	2/23/2010				

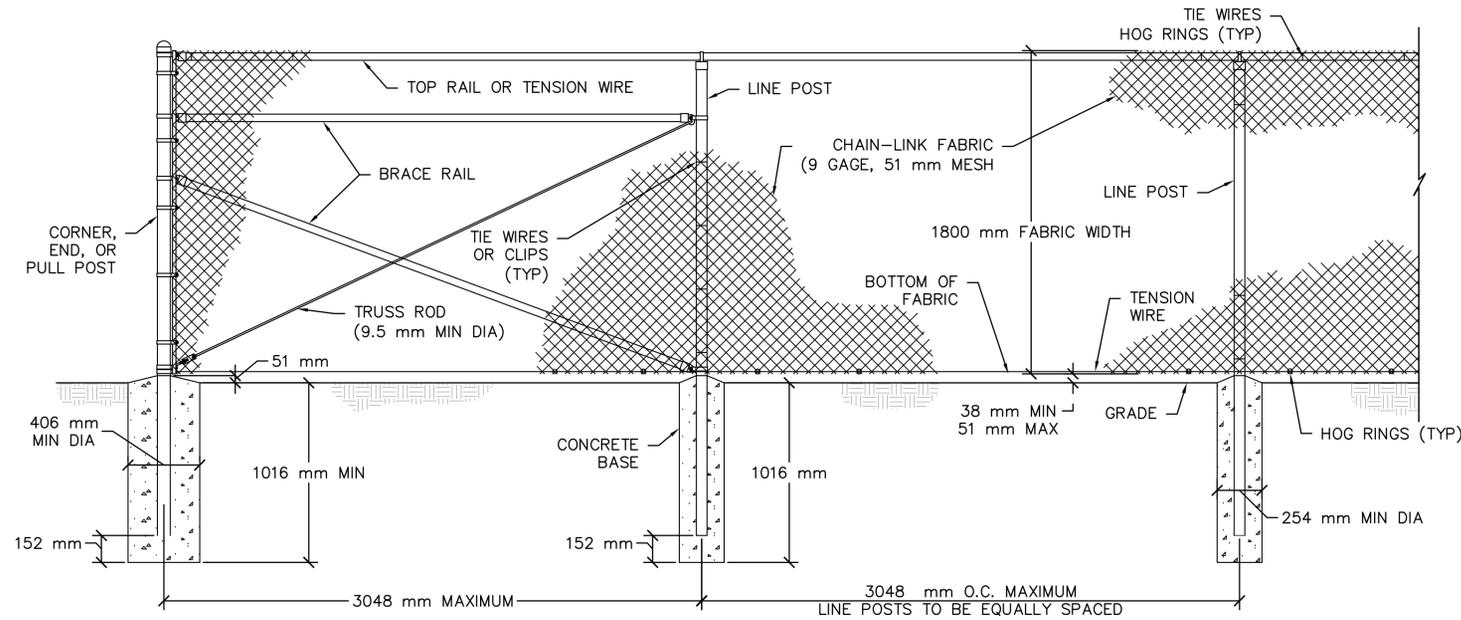
Designed by:	GPH	Drawn by:	JDS	Reviewed by:	LHM	Submitted by:	BAKER
Date:	2/23/2010	Design file no.:	C-503	Drawing code:		File name:	ANAGINS-C-503.DWG
						Plot date:	2/23/2010
						Plot scale:	1:1

AFGHAN NATIONAL ARMY
REGIONAL MILITARY TRAINING CENTER
STANDARD DESIGN

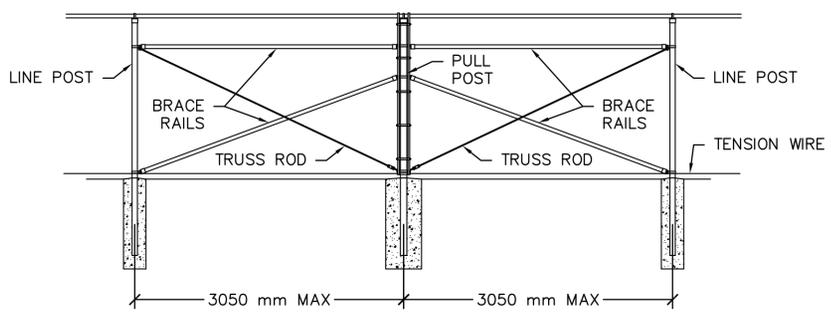
DFAC STORAGE AREA

3000 mm FENCING DETAILS

Sheet reference number:
C-503

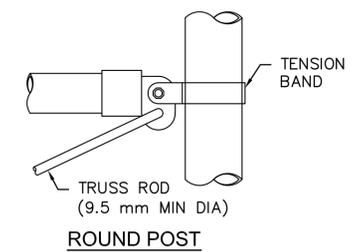


1 1800 mm CHAIN-LINK SECURITY FENCE DETAIL
 C-504 SCALE: NTS

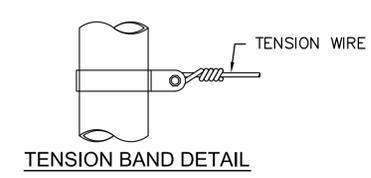
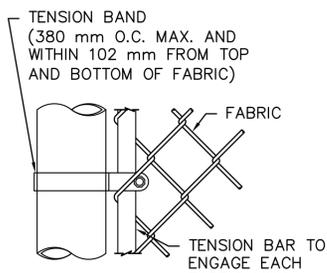


BRACE PANEL DETAIL
 NTS

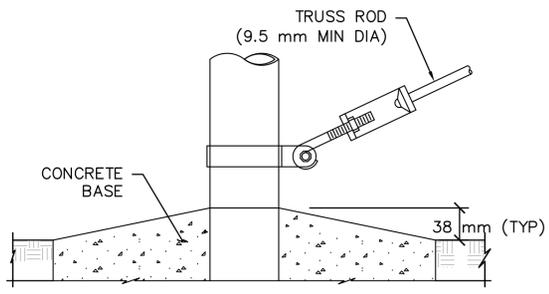
NOTE: PROVIDE BRACE PANEL WHENEVER STRAIGHT RUNS EXCEED 152 METERS.



ROUND POST BRACE RAIL CLAMP DETAILS

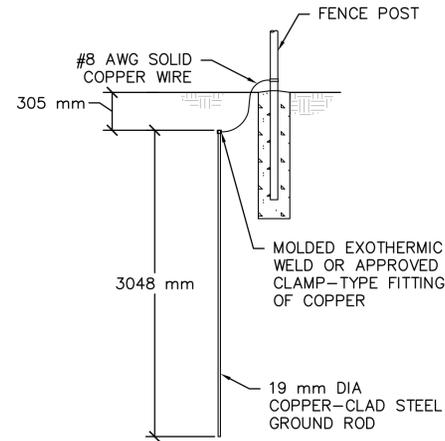


TENSION BAND DETAIL



TRUSS ROD AND BAND

FASTENING DETAILS
 NTS

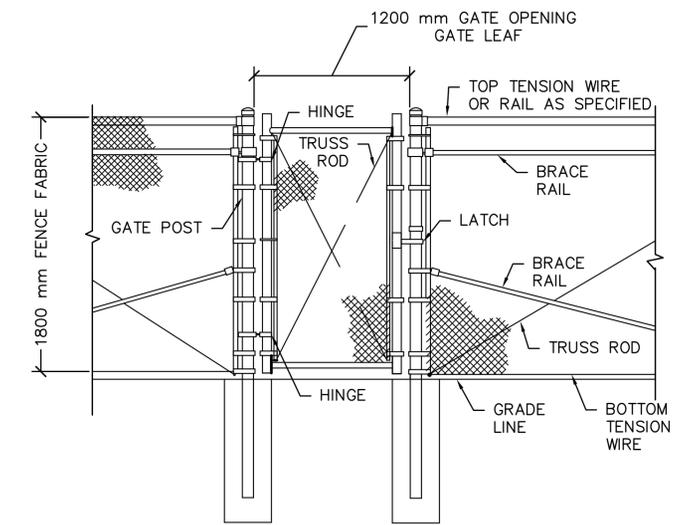


GROUNDING DETAIL
 NTS

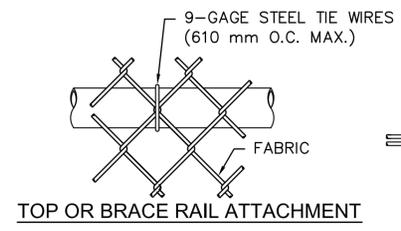
USE AND SECTION	STEEL POST SCHEDULE	
	MINIMUM OUTSIDE DIMENSIONS (NOMINAL)	
	FABRIC WIDTH 1829 mm OR LESS	
CORNER, END & PULL POSTS TUBULAR - ROUND TUBULAR - SQUARE C-SECTION (ROLL-FORMED)	60 mm O.D.	
	51 mm SQ.	
	89 mm X 89 mm	
LINE POSTS TUBULAR - ROUND H-SECTION C-SECTION (ROLL-FORMED)	48 mm O.D.	
	57 mm X 43 mm	
	48 mm X 41 mm	
TOP, BOTTOM & BRACE RAILS TUBULAR - ROUND TUBULAR - SQUARE H-SECTION C-SECTION (ROLL-FORMED)	42 mm O.D.	
	38 mm SQ.	
	41 mm X 38 mm	
	41 mm X 32 mm	

NOTES:

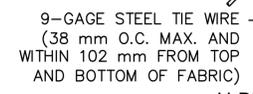
1. DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT OTHER TYPES OF FENCE SECTIONS AND METHODS OF INSTALLATION THAT COMPLY WITH THE SPECIFICATIONS.
2. WIRE TIES, RAILS, POSTS, AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE SIDE OPPOSITE THE SECURE AREA.
3. C-SECTION POSTS SHALL BE INSTALLED SO THAT THE VOID INSIDE THE POST IS COMPLETELY FILLED WITH CONCRETE UP TO THE TOP OF THE FOUNDATION.



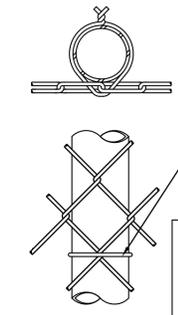
2 PERSONNEL GATE 1800 mm FENCE
 C-504 SCALE: NTS



TOP OR BRACE RAIL ATTACHMENT



H-BEAM



ROUND POST

LINE POST ATTACHMENTS
 NTS

APPROVED: *Gregory P. Hynes*

A/E DESIGNER OF RECORD

SEAL:



Rev.	Date	Description	Mark	Appr.	Date

Designed by: GPH	Checked by: JMB	Reviewed by: LHM	Submitted by: BAKER
Date: 2/23/2010	Design file no. C-504	Drawing code: C-504	File name: ANAGINS-C-504.DWG
Plot date: 2/23/2010	Plot scale: 1:1		

U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN
 CORPS OF ENGINEERS
 APO AE 96338

Michael Baker, Jr., Inc.
 A Unit of Michael Baker Corporation
 Airside Business Park
 Moon Township, PA 15108
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AFGHAN NATIONAL ARMY
 REGIONAL MILITARY TRAINING CENTER
 STANDARD DESIGN

DFAC STORAGE AREA

1800 mm FENCING DETAILS

Sheet reference number:
C-504

STRUCTURAL ABBREVIATIONS:

ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ARCH	ARCHITECTURAL
B	BOTTOM
BLDG	BUILDING
BOTT	BOTTOM
CL	CENTER LINE
CFMRF	COLD FORM METAL ROOF FRAME
CFMF	COLD FORM METAL FRAME
CFS	COLD FORMED STEEL
CIP	CAST-IN-PLACE
CIPL	CAST-IN-PLACE LINTEL
CJ	CONTROL JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COEFF	COEFFICIENT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CSJ	CONSTRUCTION JOINT
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
ELEC	ELECTRICAL
ELEV	ELEVATION
EMBED	EMBEDMENT
EQUIV	EQUIVALENT
ETC	ET CETERA
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
FND	FOUNDATION
FTG	FOOTING
GA	GAUGE
GB	GRADE BEAM
HORIZ	HORIZONTAL
h	HOUR
HRS	HOURS
IBC	INTERNATIONAL BUILDING CODE
INFO	INFORMATION
INT	INTERIOR
kg	KILOGRAM
km	KILOMETER
kN	KILONEWTON
kPa	KILOPASCAL
L#	ANGLE (# INDICATES SIZE)
LONG	LONGITUDINAL
LLV	LONG LEG VERTICAL
m	METER
MAX	MAXIMUM
MECH	MECHANICAL
MFG	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
mm	MILLIMETER
MPa	MEGAPASCAL
MTL	METAL
MWFRS	MAIN WIND FORCE RESISTING SYSTEM
N	NEWTON
N	NORTH
N/A	NOT APPLICABLE
#	NUMBER SYMBOL FOR REBAR SIZE
NTS	NOT TO SCALE
OC	ON CENTER
OPNG	OPENING
PL or PL	PLATE
PRE-ENG	PRE-ENGINEERED
RB	ROOF BEAM
REINF	REINFORCED
REQ'D	REQUIRED
SIM	SIMILAR
SPECS	SPECIFICATIONS
STD	STANDARD
STRUCT	STRUCTURAL
SW	SHEAR WALL
T	TOP
T/	TOP OF
T/ELEV	TOP ELEVATION
T/SLAB	TOP OF SLAB
T&B	TOP AND BOTTOM
THK	THICK
TYP	TYPICAL
UFC	UNIFIED FACILITIES CRITERIA
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
W	WIDTH
W/	WITH

GENERAL NOTES:

1.0 THIS PROJECT HAS BEEN DESIGNED FOR THE WEIGHTS AND MATERIALS INDICATED ON THE SHEETS AND FOR THE LIVE LOADS INDICATED IN THE DESIGN DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGING, BRACING, SHEETING AND SHORING, ETC.

1.1 COORDINATE THESE SHEETS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL SHEETS. ALL DIMENSIONS SHOWN ON THE SHEETS ARE MILLIMETERS UNLESS NOTED OTHERWISE.

1.2 THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL FLOOR AND ROOF OPENING SIZES AND LOCATIONS, EQUIPMENT PAD SIZES AND LOCATIONS, ANCHOR BOLT LAYOUTS, ETC WITH EQUIPMENT SELECTED. THE CONTRACTOR SHALL MAKE ANY REQUIRED MODIFICATIONS AT NO ADDITIONAL COST.

1.3 THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING SHEETS FOR SLEEVES, CURBS, INSERTS OR OPENINGS, ETC. NOT HEREIN INDICATED.

1.4 WORK NOT INCLUDED ON THE SHEETS BUT IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES ELSEWHERE ON THE SHEETS SHALL BE REPEATED.

1.5 IN CASE OF CONFLICT BETWEEN THE NOTES, DETAILS AND SPECIFICATIONS THE MOST RIGID REQUIREMENTS SHALL GOVERN.

1.6 SEE ARCHITECTURAL SHEETS FOR LOCATIONS OF MASONRY AND NON-LOAD BEARING PARTITIONS. PROVIDE COMPRESSIBLE FIRESAFING AT TOP OF WALL AS REQUIRED BY ARCHITECTURAL SHEETS.

1.7 COORDINATE FINISHED FLOOR DATUM ELEVATION 0.0m WITH THE CIVIL SHEETS.

FOUNDATION NOTES

2.0 THE GEOTECHNICAL ANALYSIS FOR THIS PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR AWARDED THE WORK. AN ASSUMED ALLOWABLE SOIL BEARING VALUE OF 72 kPa HAS BEEN USED IN THE STRUCTURAL ANALYSIS OF THE BUILDING HEREIN AND SHALL BE CONFIRMED AND VERIFIED AS PART OF THE GEOTECHNICAL INVESTIGATION. VALUES WHICH DO NOT MEET THE REQUIREMENTS INDICATED ON THE BASIS OF DESIGN SHEET SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER FOR CONSIDERATION AND DETERMINATION ON THE NEXT APPROPRIATE COURSE OF ACTION.

2.1 SEE THE SPECIFICATION FOR ADDITIONAL REQUIREMENTS TO THOSE OUTLINED IN THE GEOTECHNICAL INVESTIGATION FOR EXCAVATION AND PREPARATION OF THE FOUNDATION AND THE SLAB ON GRADE SUBGRADE INCLUDING COMPACTION PROCEDURES.

2.2 EXCAVATIONS FOR FOOTINGS SHALL HAVE THE SIDES AND BOTTOMS TEMPORARILY LINED WITH 0.25mm POLYETHYLENE IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HRS OF THE EXCAVATION OF THE FOOTING.

2.3 FOUNDATION CONDITIONS NOTED DURING CONSTRUCTION WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT SHALL BE REPORTED TO THE GENERAL CONTRACTOR BEFORE FURTHER CONSTRUCTION IS ATTEMPTED. SEE PROJECT SPECIFICATIONS.

2.4 NO FOOTINGS OR SLABS SHALL BE POURED INTO OR AGAINST SUBGRADE CONTAINING FREE WATER, FROST, ICE OR LOOSE MATERIAL. FROST DEPTH ASSUMED TO BE 800mm.

2.5 ALL SLAB-ON-GRADE, TRENCH BOTTOMS AND OTHER ON-GRADE INTERIOR HORIZONTAL SURFACES SHALL BE PLACED OVER A 0.25mm POLYETHYLENE VAPOR RETARDER OVER A 100mm #57 STONE WATER CAPILLARY BARRIER PLACED ON SUBGRADE PROPERLY PREPARED IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. (UON)

2.6 PRIOR TO START OF FOUNDATION OR SLAB-ON-GRADE CONSTRUCTION, EXISTING SUBGRADES SHALL BE COMPACTED TO MINIMUM OF 95% MAXIMUM DRY DENSITY OBTAINED THRU ASTM D 1557 MODIFIED PROCTOR TESTING.

2.7 SEE PLUMBING, ELECTRICAL & CIVIL SHEETS FOR REQUIRED UNDERSLAB UTILITIES.

2.8 SEE ARCHITECTURAL SHEETS FOR ALL WATERPROOFING DETAILS AND MATERIALS.

2.9 IF UNDERMINING OF FOOTINGS OCCURS, FILL VOIDS WITH 18 MPa CONCRETE. DO NOT ATTEMPT TO REPLACE AND RE-COMPACT SOIL.

CONCRETE

3.0 CONCRETE SHALL HAVE THE UNIT WEIGHT OF 2400 kg/m³ AND A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 28 MPa AT 28 DAYS. ALL CONCRETE SHALL HAVE A WATER-CEMENT RATIO OF 0.45. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION, ENTRAIN AIR TO PRODUCE TOTAL AIR CONTENT ACCORDING TO THE SPECIFICATIONS FOR CONCRETE EXPOSED TO FREEZING TEMPERATURES (EXTERIOR FOOTINGS, SLAB TURNDOWNS, EXTERIOR SLABS AND SLABS-ON-GRADE, EXTERIOR RETAINING WALLS, AND EXTERIOR GRADE BEAMS.)

3.1 NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.

3.2 MIXING, TRANSPORTING AND PLACING OF CONCRETE SHALL CONFORM TO ACI 301M-05.

3.3 ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI) 318M MANUAL (metric), "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", AND REQUIREMENTS OUTLINED IN THE CONTRACT SPECIFICATIONS. WHEN THERE IS A CONFLICT BETWEEN ACI AND THE SPECIFICATIONS, THE MORE STRINGENT SHALL GOVERN.

3.4 CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH 20mm x45 DEGREE CHAMFER UON.

3.5 CONCRETE REINFORCEMENT BARS SHALL CONFORM TO ASTM A615M-96a, GRADE 420 MPa, REINFORCING BARS SHALL NOT BE TACK WELDED, WELDED, HEATED OR CUT, UNLESS INDICATED ON THE CONTRACT DOCUMENTS. ALL LAP SPLICES SHALL BE CLASS "B" UON.

3.6 HORIZONTAL FOOTING AND HORIZONTAL WALL REINFORCEMENT SHALL BE CONTINUOUS AND SHALL HAVE 90 DEGREE BENDS AND EXTENSIONS, OR CORNER BARS OF EQUIVALENT SIZE LAPPED WITH A CLASS B TENSION SPLICE AT CORNERS AND INTERSECTIONS. TOP BAR CRITERIA SHALL APPLY IF 300mm OR MORE OF FRESH CONCRETE IS PLACED BELOW BAR.

3.7 SLABS-ON-GRADE SHALL HAVE CONSTRUCTION JOINTS OR CRACK CONTROL JOINTS AS SHOWN ON THE DRAWINGS. CONSTRUCTION JOINTS CAN BE USED AT CONTROL JOINT LOCATIONS AT CONTRACTORS OPTION. SEE SLAB PLANS & JOINT DETAILS FOR ADDITIONAL INFORMATION. FOR AREAS NOT SHOWN ON DWGS, THE MAXIMUM SPACING OF CONSTRUCTION/ CRACK CONTROL JOINTS SHALL BE 4800mm

3.8 ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED, AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318M, AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315M, LATEST EDITION. BASED ON IN COUNTRY REINFORCEMENT AVAILABILITY, IT IS THE CONTRACTOR'S OPTION TO ROUND DESIGNATED ODD NUMBERED REINFORCEMENT SIZES UP (1) ONE BAR SIZE.

3.9 ALL DOWELS SHALL MATCH SIZE AND NUMBER OF MAIN REINFORCING, UNLESS NOTED OTHERWISE ON THE SHEETS.

3.10 ADDITIONAL BARS SHALL BE PROVIDED AROUND ALL FLOOR AND WALL OPENINGS AS SHOWN ON THE SHEETS.

3.11 SEE ARCHITECTURAL SHEETS FOR TYPE AND LOCATION OF ALL FLOOR FINISHES.

3.12 THE CONTRACTOR SHALL COORDINATE ADDITIONAL WALL/SLAB OPENINGS NOT SHOWN ON STRUCTURAL SHEETS. SEE MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL SHEETS.

3.13 UNLESS NOTED OTHERWISE, ALL CURBS SHALL BE REINFORCED WITH AT LEAST (1)-#13 CONTINUOUS AND #13 AT 300mm O.C. DOWELS TO STRUCTURE BELOW.

3.14 THE CONTRACTOR SHALL VERIFY ALL OPENINGS, PAD SIZES, AND ANCHOR BOLTS WITH EQUIPMENT SELECTED.

3.15 FOR ALL WALLS & PIERS, PROVIDE DOWELS INTO FOOTING AT EACH VERT REINF BAR, UON DOWEL SIZE SHALL BE SAME AS VERT REINF.

3.16 PROVIDE CONCRETE POUR STOPS OR FORMED AS REQUIRED FOR INSTALLATION OF ALL CONCRETE WORK.

3.17 PROVIDE ADDITIONAL (2)-#13 x 600mm REINFORCING BARS IN SLAB-ON GRADE AT ALL RE-ENTRANT CORNERS. PLACE BARS AT MID-DEPTH OF SLAB WITH A CLEARANCE OF 50mm FROM CORNER UON.

3.18 COLD-WEATHER PLACEMENT: COMPLY WITH ACI 306.1 AND AS FOLLOWS. PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS, OR LOW TEMPERATURES. SUBMIT A COLD WEATHER CONCRETING PLAN FOR APPROVAL.

3.19 PROVIDE BONDING COMPOUND PER ASTM C 1059-99: SPECIFICATION FOR LATEX AGENTS FOR BONDING FRESH CONCRETE (GROUT) TO HARDENED CONCRETE.

3.20 THE FORMED SURFACES FOR REINFORCED CONCRETE SHALL ACHIEVE A "CLASS A" FINISH WHEN RECEIVING PAINT OR A "CLASS B" FINISH WHEN RECEIVING PLASTER OR TILE AS PER SPECIFICATION SECTION 03 31 00 CAST-IN-PLACE STRUCTURAL CONCRETE.

3.21 AT INTERSECTING GRADE BEAMS AND SHEAR WALLS, PROVIDE CORNER BARS AT INTERSECTIONS WITH SAME QUANTITY, SIZE AND SPACING AS HORIZONTAL BARS WITH LEG LENGTH = 50db.

3.22 REFER TO S-800 SERIES REINFORCING BAR PLACEMENT DRAWINGS DEFINING LENGTHS, BENDS, AND SPACINGS FOR ALL STRUCTURAL CONCRETE. THE S-800 SERIES DRAWING ARE BASED ON THE S-400, S-500, S-600, AND S-700 SERIES DRAWING SCHEDULES, DETAILS, AND DIAGRAMS.

CONCRETE MASONRY

4.0 MASONRY CONSTRUCTION SHALL CONFORM TO SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1) UON.

4.1 STRENGTH OF MASONRY MATERIALS SHALL BE AS FOLLOWS:

4.2 CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 1, CONFORMING TO ASTM C-90 AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 10.4 MPa ON THE NET AREA.

4.3 MORTAR SHALL CONFORM TO ASTM C-270 TYPE S.

4.4 GROUT FOR MASONRY SHALL BE NORMAL WEIGHT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 14 MPa AT 28 DAYS. GROUT SHALL CONFORM TO ASTM C476M. GROUT LIFTS SHALL NOT EXCEED 1,400mm.

4.5 REINFORCED MASONRY SHALL HAVE A STRENGTH F'm = 10 MPa. (F'm IS THE COMPRESSIVE STRENGTH OF THE MASONRY AT 28 DAYS AS DETERMINED BY PRISM TESTS).

4.6 ALL VERTICAL REINFORCEMENT FOR CONCRETE MASONRY SHALL BE ASTM A615M-96a, GRADE 420 MPa. ALL SPLICES SHALL BE LAPPED 48 BAR DIAMETERS MINIMUM.

4.7 BOND BEAMS SHALL BE SPACED AT 1200mm OC VERTICALLY. BOND BEAM REINFORCING SHALL BE CONTINUOUS AND PROVIDED AT WALL INTERSECTIONS AND WALL CORNERS (REFERENCE CONCRETE MASONRY NOTE 4.11). ALL BOND BEAM REINFORCING SHALL BE CONTINUOUS AND HAVE STANDARD ACI HOOKS AT EACH END. PROVIDE STANDARD BAR SPLICES AS SPECIFIED. AS AN ALTERNATE TO CMU BOND BEAMS, IT IS THE CONTRACTOR'S OPTION TO PROVIDE 200mm x 200mm CONTINUOUS CAST-IN-PLACE CONCRETE BOND BEAMS WITH (2)-#16 IN LIEU OF CMU BOND BEAMS INDICATED ON THE DRAWINGS.

4.8 SEE TYPICAL DETAILS FOR MINIMUM REINFORCEMENT REQUIREMENTS FOR CMU WALLS. PROVIDE STANDARD BAR SPLICES AS SPECIFIED. ALL VERTICAL REINFORCEMENT EXTENDS FULL HEIGHT OF WALL.

4.9 CMU CELLS THAT REQUIRE VERTICAL REINFORCING BARS AS INDICATED ON THE CONTRACT DRAWINGS AND/OR SPECS SHALL HAVE REINF BARS PLACED IN CENTERS OF CMU CELLS AND CONTINUOUSLY GROUTED UON.

4.10 ALL CMU CELLS, OPEN CAVITIES, AND AIR SPACES OF ALL EXTERIOR WALLS SHALL BE GROUTED TO STOP FRAGMENTS FROM MORTAR BLAST.

4.11 CONTRACTOR SHALL COORDINATE LOCATION OF ALL OPENINGS SEE ARCH, MECH, ELEC, AND PLUMBING SHEETS FOR SIZE AND LOCATION OF OPENINGS.

4.12 MASONRY WALLS SHALL NOT BE BACK FILLED PRIOR TO THE MORTAR AND GROUT ATTAINING THEIR RESPECTIVE MAXIMUM DESIGN STRENGTHS PER SPECIFICATIONS.

4.13 PROVIDE GALVANIZED MORTAR/GROUT SCREEN W/ 3mm MESH WHERE CELLS BELOW ARE NOT GROUTED.

4.14 AT INTERSECTING BOND BEAMS, PROVIDE CORNER BAR FOR EACH HORIZONTAL BAR IN BOND BEAMS AT INTERSECTING WALLS. USE SAME SIZE AND SPACING AS HORIZONTAL BARS WITH LEG LENGTH = 50db.

4.15 THE ALTERNATE TOP OF CMU WALL BRACING DETAIL(S) SHOWN ON S-701 CAN BE UTILIZED AT THE CONTRACTOR'S OPTION IN PLACE OF THE "SLEEVED DOWEL" WALL CONNECTIONS DEPICTED ON S-400 AND S-500 SERIES DRAWINGS. IN ADDITION, ALTERNATE DETAIL(S) SHOW CAST-IN-PLACE WALL BOND BEAMS THAT CAN BE UTILIZED AT THE CONTRACTOR'S OPTION IN PLACE OF THE STANDARD CMU BOND BEAMS CONSTRUCTED OF CMU BLOCKS.

COLD-FORMED METAL FRAMING

5.0 ALL COLD-FORMED METAL FRAMING MEMBERS SHALL CONFORM TO ASTM A1003M, STRUCTURAL GRADE ST340 (MPa), WITH A GALVANIZED COATING OF Z275 OR BETTER IN ACCORDANCE WITH ASTM A653M.

5.1 ALL COLD-FORMED METAL FRAMING MEMBERS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

a. MINIMUM METAL THICKNESS:
TRACK = 1.37mm;
STUD/OTHER = 1.09mm

b. MINIMUM FLANGE WIDTH:
TRACK = 38mm;
STUD/OTHER = 35mm

c. MINIMUM MEMBER DEPTH:
ALL SECTIONS = 152.2mm

d. PURLIN (HAT CHANNEL)
DEPTHxWIDTHx(FLAT TOP)xTHICK = 25mmx42mmx1.59mm

5.2 ALL CONNECTIONS SHALL BE MADE WITH CORROSION RESISTANT (ASTM A153M), SELF-DRILLING, SELF-TAPPING STEEL DRILL SCREWS IN ACCORDANCE WITH ASTM C1513. SCREWS SHALL HAVE A LOW PROFILE HEAD BENEATH ROOF DECK, AND STANDARD HEAD ALL OTHER LOCATIONS.

5.3 FABRICATE COLD FORMED METAL FRAMING AND ACCESSORIES PLUMB, SQUARE AND TRUE TO LINE, WITH CONNECTIONS SECURELY FASTENED ACCORDING TO AISI STANDARD FOR COLD FORMED STEEL FRAMING.

5.4 CUT FRAMING MEMBERS BY SAWING OR SHEATHING, DO NOT TORCH CUT.

5.5 INSTALL FRAMING MEMBERS IN ONE-PIECE LENGTHS UNLESS SPLICE CONNECTIONS ARE INDICATED FOR TRACK OR TENSION MEMBERS

5.6 INSTALL TEMPORARY BRACING AND SUPPORTS TO SECURE FRAMING DURING CONSTRUCTION. MAINTAIN BRACING AND SUPPORTS IN PLACE UNTIL THE STRUCTURE HAS BEEN COMPLETED WITH ALL CONNECTIONS AND PERMANENT BRACING SECURED.

STRUCTURAL DESIGN CRITERIA

6.0 ALL DESIGNS SHALL CONFORM TO THE PROVISIONS OF THE IBC 2006 AND UFC AS APPLICABLE.

6.1 DESIGN LOADS

6.2.1 DEAD LOADS (PER IBC 2006 & UFC 3-310-01)

MECH/ELEC/PLUMBING	0.20 kPa
MISCELLANEOUS	0.15 kPa
COLD-FORMED FRAMING	0.20 kPa
INSULATION	0.10 kPa
METAL ROOF PANEL	0.14 kPa
	0.79 kPa
FLOOR PARTITION ALLOWANCE	0.96 kPa

6.2.2 LIVE LOADS (PER IBC 2006 & UFC 3-310-01)

ROOF	1.00 kPa
SLAB ON GRADE	4.80 kPa

6.2.3 SNOW LOADS (PER IBC 2006 & UFC 3-310-01)

GROUND SNOW LOAD (Pg)	1.2 kPa
SNOW IMPORTANCE FACTOR (I)	1.0
SNOW EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.0

6.2.4 WIND LOADS (PER IBC 2006)

BASIC WIND SPEED	137 km/h
WIND IMPORTANCE FACTOR	1.0
WIND EXPOSURE CATEGORY	D
DIRECTIONALITY COEFFICIENT (Kd)	0.85
TOPOGRAPHIC FACTOR (Kzt)	1.0

6.2.5 SEISMIC LOADS (PER IBC 2006 & UFC 3-310-04)

OCCUPANCY USE CATEGORY

IRREGULAR PORTION	II
REGULAR PORTION	III
SEISMIC IMPORTANCE FACTOR (Ie)	1.0
SEISMIC SITE CLASS	D

DFAC REGULAR PORTION: (COLUMN LINES 1 THRU 6)

Ss = 1.50 (REDUCED FROM 2.40 PER ASCE 7-05 12.8.1.3 FOR BLDGS WITHOUT IRREGULARITIES)

S1 = 1.20

Sps = 1.0 S01 = 1.20

SEISMIC DESIGN CATEGORY

SEISMIC RESISTING SYSTEM:

-SPECIAL REINFORCED CONCRETE SHEAR WALL

RESPONSE MODIFICATION FACTOR (R)

RESPONSE COEFFICIENT (Cs)

SEISMIC ANALYTICAL PROCEDURE:

-EQUIVALENT LATERAL FORCE

SEISMIC BASE SHEAR

DFAC IRREGULAR PORTION: (COLUMN LINES 7 THRU 11)

Ss = 2.40 S1 = 1.20

Sps = 1.60 S01 = 1.20

SEISMIC DESIGN CATEGORY

SEISMIC RESISTING SYSTEM:

-SPECIAL REINFORCED CONCRETE SHEAR WALL

RESPONSE MODIFICATION FACTOR (R)

RESPONSE COEFFICIENT (Cs)

SEISMIC ANALYTICAL PROCEDURE:

-EQUIVALENT LATERAL FORCE

SEISMIC BASE SHEAR

PROPANE CYLINDER STORAGE:

Ss = 1.50 (REDUCED FROM 2.40 PER ASCE 7-05 12.8.1.3 FOR BLDGS WITHOUT IRREGULARITIES)

S1 = 1.20

Sps = 1.0 S01 = 1.20

SEISMIC DESIGN CATEGORY

SEISMIC RESISTING SYSTEM:

-SPECIAL REINFORCED CONCRETE SHEAR WALL

RESPONSE MODIFICATION FACTOR (R)

RESPONSE COEFFICIENT (Cs)

SEISMIC ANALYTICAL PROCEDURE:

-EQUIVALENT LATERAL FORCE

SEISMIC BASE SHEAR

WOOD STORAGE:

Ss = 2.40

S1 = 1.20

Sps = 1.6 S01 = 1.20

SEISMIC DESIGN CATEGORY

SEISMIC RESISTING SYSTEM:

-SPECIAL REINFORCED CONCRETE SHEAR WALL

RESPONSE MODIFICATION FACTOR (R)

RESPONSE COEFFICIENT (Cs)

SEISMIC ANALYTICAL PROCEDURE:

-EQUIVALENT LATERAL FORCE

SEISMIC BASE SHEAR

Rev.	Date	Description	Mark
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AFGHANISTAN ENGINEER DISTRICT

APPROVED:
Chris White
A/E DESIGNER OF RECORD

SEAL:

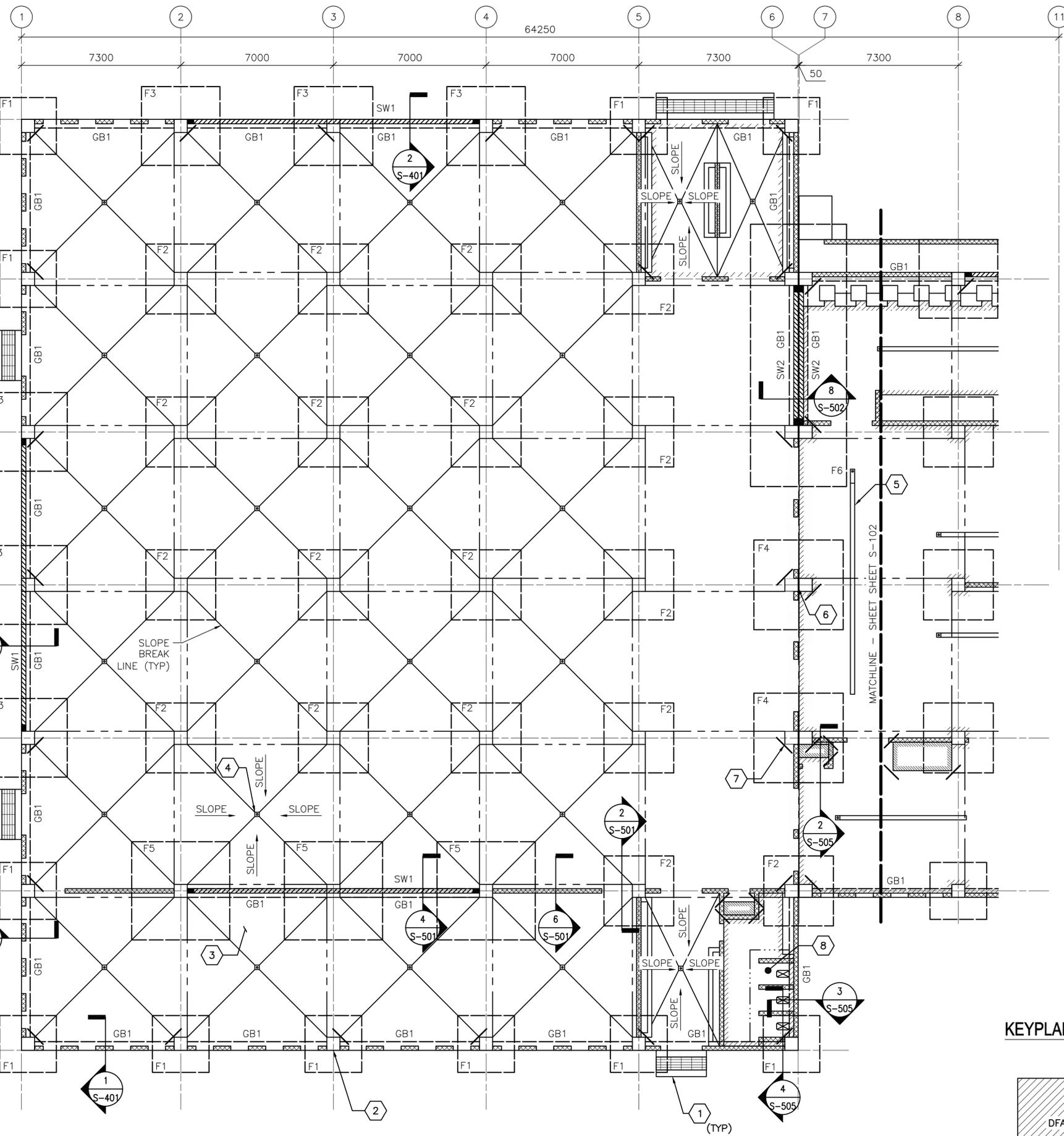
REGISTERED PROFESSIONAL ENGINEER
No. 27141
CHRIS W. WHITE

AFGHAN NATIONAL ARMY
REGIONAL MILITARY TRAINING CENTER
DINING FACILITY

GENERAL NOTES & DESIGN CRITERIA

Sheet reference number:
S-001

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1 FOUNDATION/SLAB PLAN
S-101 SCALE: 1:100

FOUNDATION/SLAB PLAN NOTES:

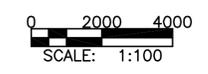
1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
2. FINISH FIRST FLOOR ELEVATION SHALL BE (DATUM 0.00). ALL PLUS OR MINUS DIMENSIONS INDICATED ON PLAN OR REFERRED TO IN NOTES RELATE TO FINISH FLOOR ELEVATION.
3. SLAB-ON-GRADE IS 150 WITH #13 @ 300 OC EW LOCATED 38 FROM T/SLAB UON. WHERE NOTED, 300 SLAB-ON-GRADE SHALL BE REINF W/ 13 @ 300 OC EW T&B.
4. TOP OF EXTERIOR FOOTINGS SHALL BE -950 UNLESS OTHERWISE INDICATED.
5. TOP OF INTERIOR FOOTINGS WITHOUT GRADE BEAM ABOVE SHALL BE -950.
6. TOP OF INTERIOR FOOTINGS WITH GRADE BEAM ABOVE SHALL BE -950.
7. COLUMN FOOTINGS INDICATED BY F# ON PLAN. REFER TO COLUMN FOOTING SCHEDULE ON SHEET S-601.
8. REFER TO COLUMN SCHEDULE ON SHEET S-601.
9. GRADE BEAM INDICATED BY GB# ON PLAN, REFER TO BEAM SCHEDULE ON SHEET S-601.
10. SHEARWALL INDICATED BY SW# ON PLAN, REFER TO SHEARWALL SCHEDULE ON SHEET S-601.
11. SEE TYP EXTERIOR AND INTERIOR CMU WALL REINF DETAILS ON SHEET S-701.
12. SEE MECHANICAL AND ELECTRICAL SHEETS FOR CONCRETE PAD LOCATIONS, SIZES, AND THICKNESS NOT SHOWN. SEE SHEET S-701 FOR DETAILS.
13. THICKENED SLAB UNDER PERIMETER/PARTITION WALLS NOT SHOWN FOR CLARITY EXCEPT AT LATRINE AREAS.
14. SLOPE FINISH FLOOR TO FLOOR DRAINS (TYPICAL AS SHOWN ON PLAN). FINISH FLOOR ELEV @ FLOOR DRAIN SHALL BE -75 UNLESS OTHERWISE INDICATED.

FOUNDATION/SLAB PLAN KEY NOTES:

1. CONC PAD (ENTRANCE)-SEE ARCH DWGS FOR INFORMATION
2. REINF CONC COLUMN
3. REINF CONC SLAB-ON-GRADE
4. FLOOR DRAIN (SLOPE SLAB TOWARDS DRAIN)
5. TRENCH DRAIN
6. 50 ISOLATION JOINT BETWEEN STRUCTURES LOCATED ABOVE FIRST FLOOR SLAB-ON-GRADE
7. (2)-#13 @ RE-ENTRANT CORNERS - SEE SHEET S-701 FOR INFORMATION
8. 300 SLAB-ON-GRADE

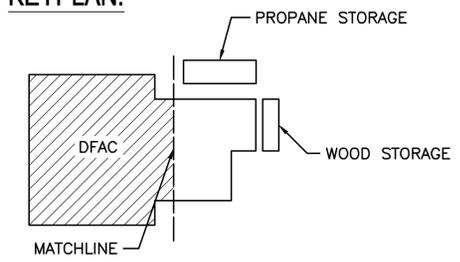
FOUNDATION/SLAB PLAN LEGEND:

- REINF CONC SHEAR WALL
- REINF CMU WALL
- CONTROL JOINT
- MATCHLINE
- INDICATES DROP SLAB 65 BELOW FINISH FLOOR
- INDICATES DROP SLAB 200 BELOW FINISH FLOOR
- SLAB OPENING
- TRENCH DRAIN
- TRANSITION BETWEEN 150 & 300 THICK SLAB AREAS



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

KEYPLAN:



APPROVED:
Chin M...
A/E DESIGNER OF RECORD

SEAL:



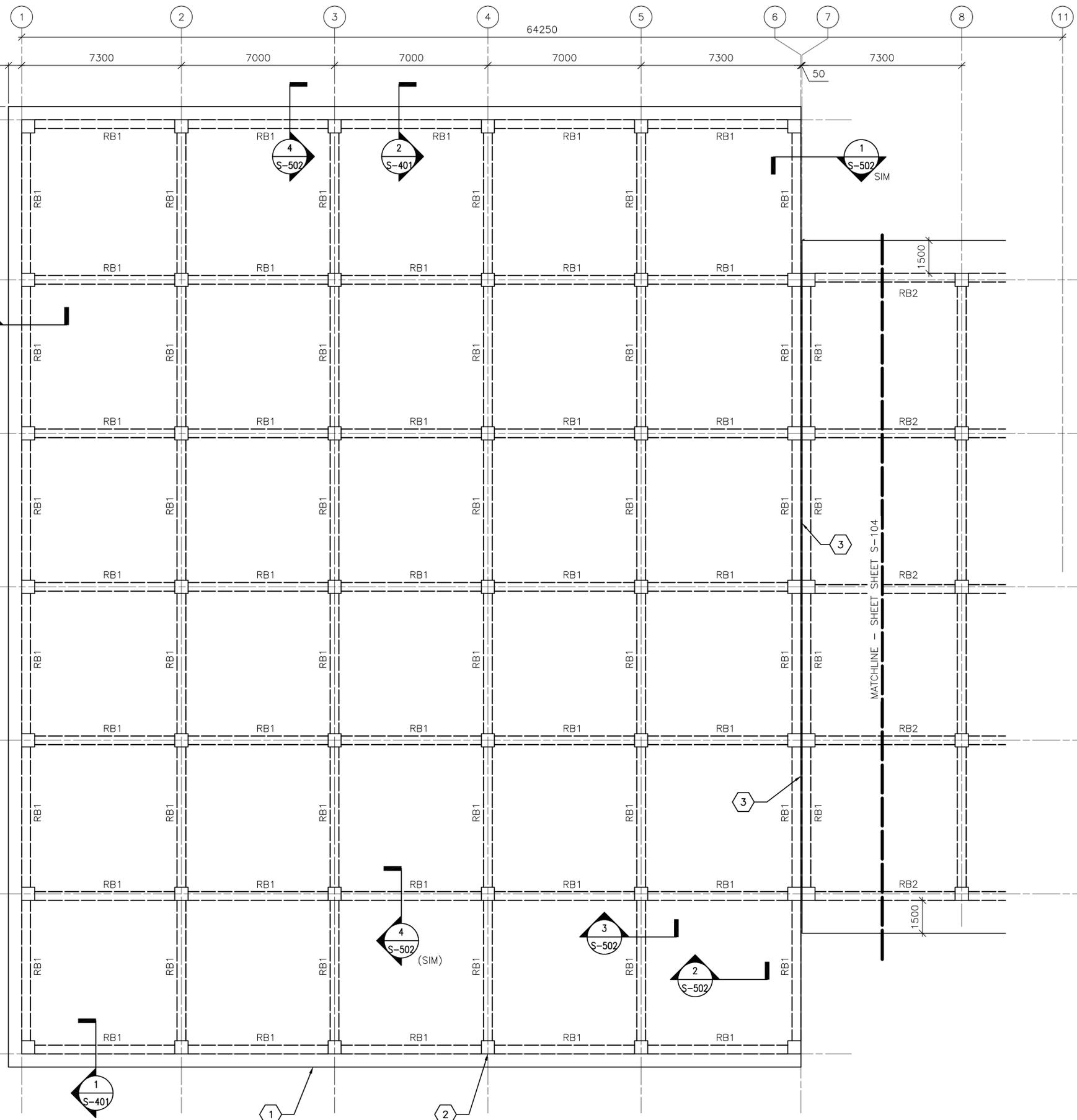
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Designed by: KMP/MMY	Checked by: RCG	Reviewed by: LHM	Submitted by: BAKER
Date: 2/23/10	Design file no.:	Drawing code: ANAD/FACS-101/10	File name: ANAD/FACS-101/10
U.S. ARMY CORPS OF ENGINEERS AFGHANISTAN ENGINEER DISTRICT APO AE 96338		Michael Baker Corp. A Unit of Michael Baker Corporation Alside Business Park 100 Alside Drive, PA, 15108 www.mbakercorp.com	

AFGHAN NATIONAL ARMY REGIONAL MILITARY TRAINING CENTER STANDARD DESIGN	DINING FACILITY	FOUNDATION/SLAB PLAN
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Sheet reference number:
S-101

1 2 3 4 5



ROOF FRAMING PLAN NOTES:

1. REFER TO SHEETS S-001 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
2. TOP OF SLAB ELEVATION = 4600 (COL 1-6) & 3800 (COL 7-11) 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 PERIMETER/PARTITION WALLS (BELOW ROOF SLAB) NOT SHOWN FOR CLARITY.
8. OVERHANG AREAS OF ROOF SLAB CONTAIN ROOF VENT PENETRATIONS. REFERENCE ARCHITECTURAL DRAWINGS FOR INFORMATION.
9. DISCONTINUE ALL ROOF FRAMING AT BUILDING EXPANSION JOINT. REFER TO ARCHITECTURAL SHEETS FOR COLD-FORMED ROOF OVERBUILD FRAMING EXPANSION JOINT DETAIL.

ROOF FRAMING PLAN KEY NOTES: (X)

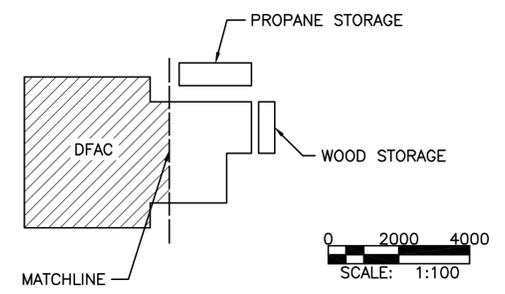
1. CONC ROOF SLAB (BELOW ROOF OVERBUILD)
2. REINF CONC COLUMN (BELOW CONC ROOF SLAB)
3. 50 ISOLATION JOINT BETWEEN STRUCTURES LOCATED ABOVE FIRST FLOOR SLAB-ON-GRADE



Rev.	Date	Description

Designed by: KMP/AMMY	Date: 2/23/10	Rev: 0
Dwn by: RCG	Design file no.:	
Reviewed by: LHM	Drawing code:	
Submitted by: BAKER	File name: ANAFACS-103RFP	Plot date: 2/23/2010
U.S. ARMY CORPS OF ENGINEERS AFGHANISTAN ENGINEER DISTRICT APO AE 96338 Michael Baker Jr., Inc. A unit of Michael Baker Corporation Arlide Business Park 100 Arside Drive, PA 15108 www.mbakercorp.com		

KEYPLAN:



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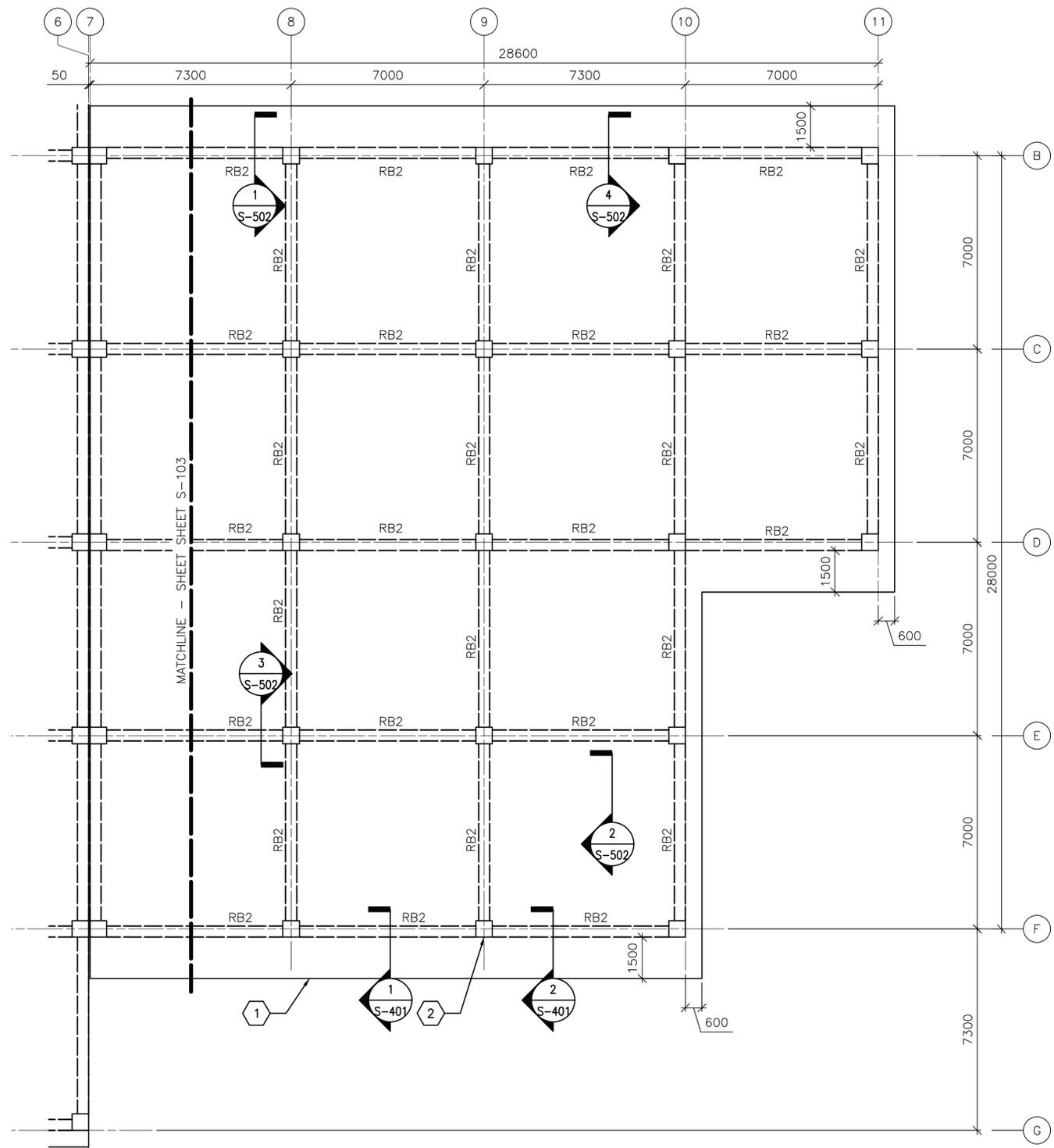
APPROVED:
Chin Musta
A/E DESIGNER OF RECORD



AFGHAN NATIONAL ARMY
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STANDARD DESIGN
DINING FACILITY
ROOF FRAMING PLAN

Sheet reference number:
S-103

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S-103
ROOF FRAMING PLAN
SCALE: 1:100



1 ROOF FRAMING PLAN
S-104 SCALE: 1:100

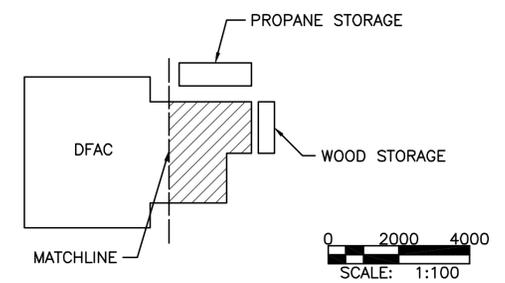
ROOF FRAMING PLAN NOTES:

1. REFER TO SHEETS S-001 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
2. TOP OF SLAB ELEVATION = 4600 (COL 1-6) & 3800 (COL 7-11) 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 PERIMETER/PARTITION WALLS (BELOW ROOF SLAB) NOT SHOWN FOR CLARITY.
8. OVERHANG AREAS OF ROOF SLAB CONTAIN ROOF VENT PENETRATIONS. REFERENCE ARCHITECTURAL DRAWINGS FOR INFORMATION.
9. DISCONTINUE ALL ROOF FRAMING AT BUILDING EXPANSION JOINT. REFER TO ARCHITECTURAL SHEETS FOR COLD-FORMED ROOF OVERBUILD FRAMING EXPANSION JOINT DETAIL.

ROOF FRAMING PLAN KEY NOTES: (X)

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

KEYPLAN:



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

APPROVED:

Chris M... [Signature]

A/E DESIGNER OF RECORD

SEAL:



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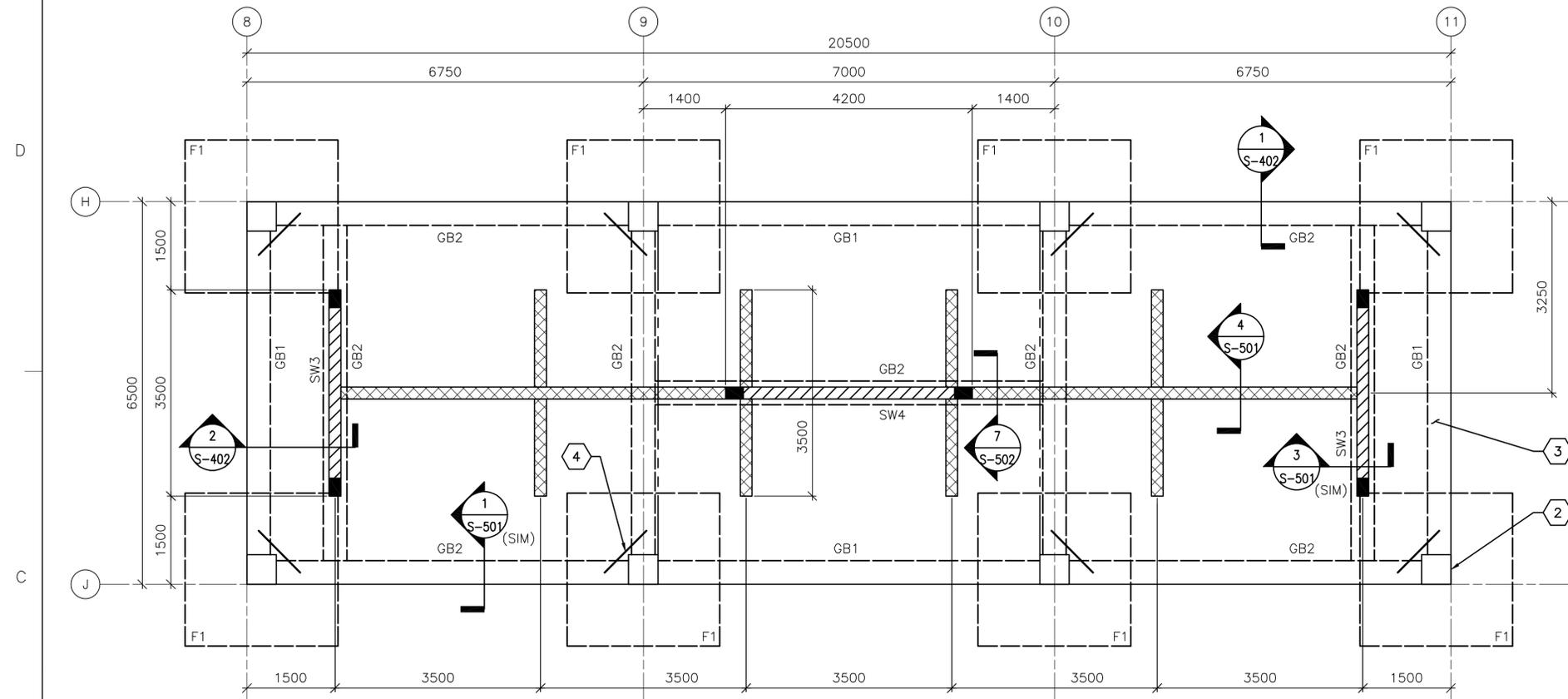
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Dwn by: RCG
Reviewed by: LHM
Submitted by: BAKER

Date: 2/23/10
Design file no.:
Drawing code: ANAFACS-104RP
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Plot date: 2/23/2010
Plot scale: x:1

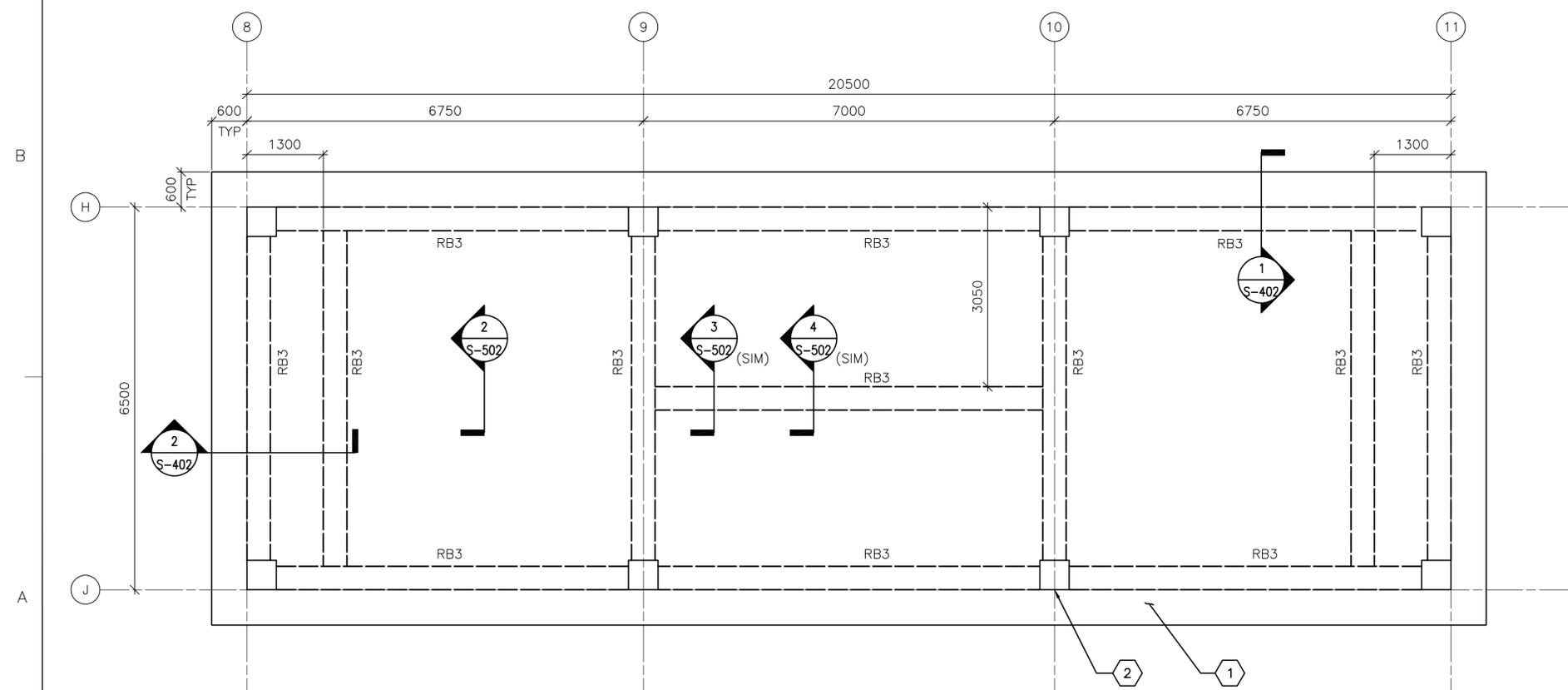
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Michael Baker Jr., Inc.
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ROOF FRAMING PLAN

Sheet reference number:
S-104



1 FOUNDATION/SLAB PLAN
S-105 SCALE: 1:50



2 ROOF FRAMING PLAN
S-105 SCALE: 1:50

FOUNDATION/SLAB PLAN NOTES:

1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
2. FINISH SLAB-ON-GRADER ELEVATION SHALL BE (DATUM 0.00). ALL PLUS OR MINUS DIMENSIONS INDICATED ON PLAN OR REFERRED TO IN NOTES RELATE TO SLAB-ON-GRADE 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. COLUMN FOOTINGS INDICATED BY F# ON PLAN. REFER TO COLUMN FOOTING SCHEDULE ON SHEET S-601.
6. REFER TO COLUMN SCHEDULE ON SHEET S-601.
7. GRADE BEAM INDICATED BY GB# ON PLAN, REFER TO BEAM SCHEDULE ON SHEET S-601.
8. SHEARWALL INDICATED BY SW# ON PLAN, REFER TO SHEARWALL SCHEDULE ON SHEET S-601.
9. SEE TYP EXTERIOR CMU WALL DETAIL ON SHEET S-701.
10. SEE MECHANICAL AND ELECTRICAL SHEETS FOR CONCRETE PAD LOCATIONS, SIZES, AND THICKNESS NOT SHOWN. SEE SHEET S-701 FOR DETAILS.
11. THICKENED SLAB UNDER PARTITION WALLS NOT SHOWN FOR CLARITY.

FOUNDATION/SLAB PLAN KEY NOTES: (X)

1. NOT USED
2. REINF CONC COLUMN
3. REINF CONC SLAB-ON-GRADE
4. (2)-#13 @ RE-ENTRANT CORNERS - SEE S-701 FOR INFORMATION

FOUNDATION/SLAB PLAN LEGEND:

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

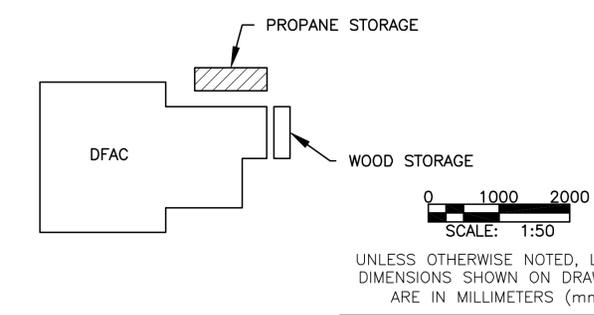
ROOF FRAMING PLAN NOTES:

1. REFER TO SHEETS S-001 FOR STRUCTURAL NOTES AND BASIS OF DESIGN.
2. TOP OF ROOF SLAB ELEVATION = 3500 UNLESS NOTED OTHERWISE.
3. ROOF SLAB IS 200 WITH #16 @ 300 OC EW T&B.
4. ROOF BEAM INDICATED BY RB# ON PLAN. REFER TO BEAM SCHEDULE ON SHEET S-601.
5. CMU PARTITION WALLS (BELOW ROOF SLAB) NOT SHOWN FOR CLARITY.
6. OVERHANG AREAS OF ROOF SLAB CONTAIN ROOF VENT PENETRATIONS. REFERENCE ARCHITECTURAL DRAWINGS FOR INFORMATION.

ROOF FRAMING PLAN KEY NOTES: (X)

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

KEYPLAN:



APPROVED:

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

SEAL:



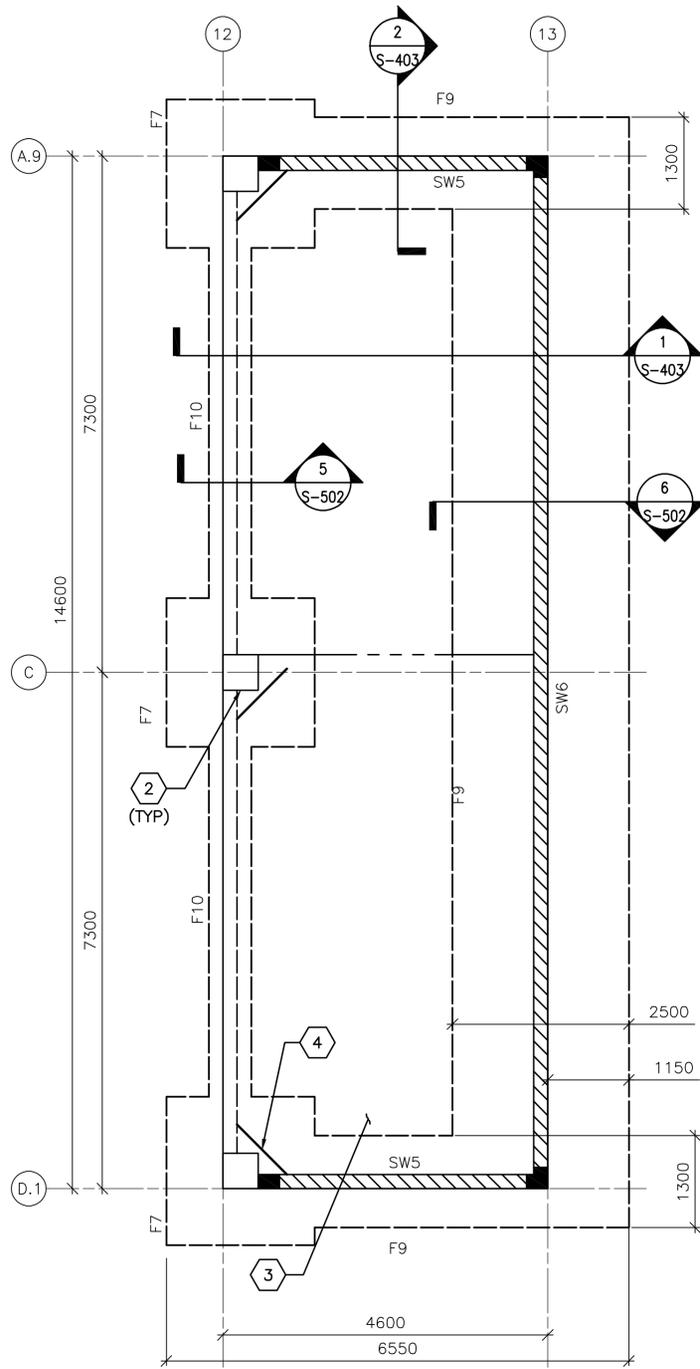
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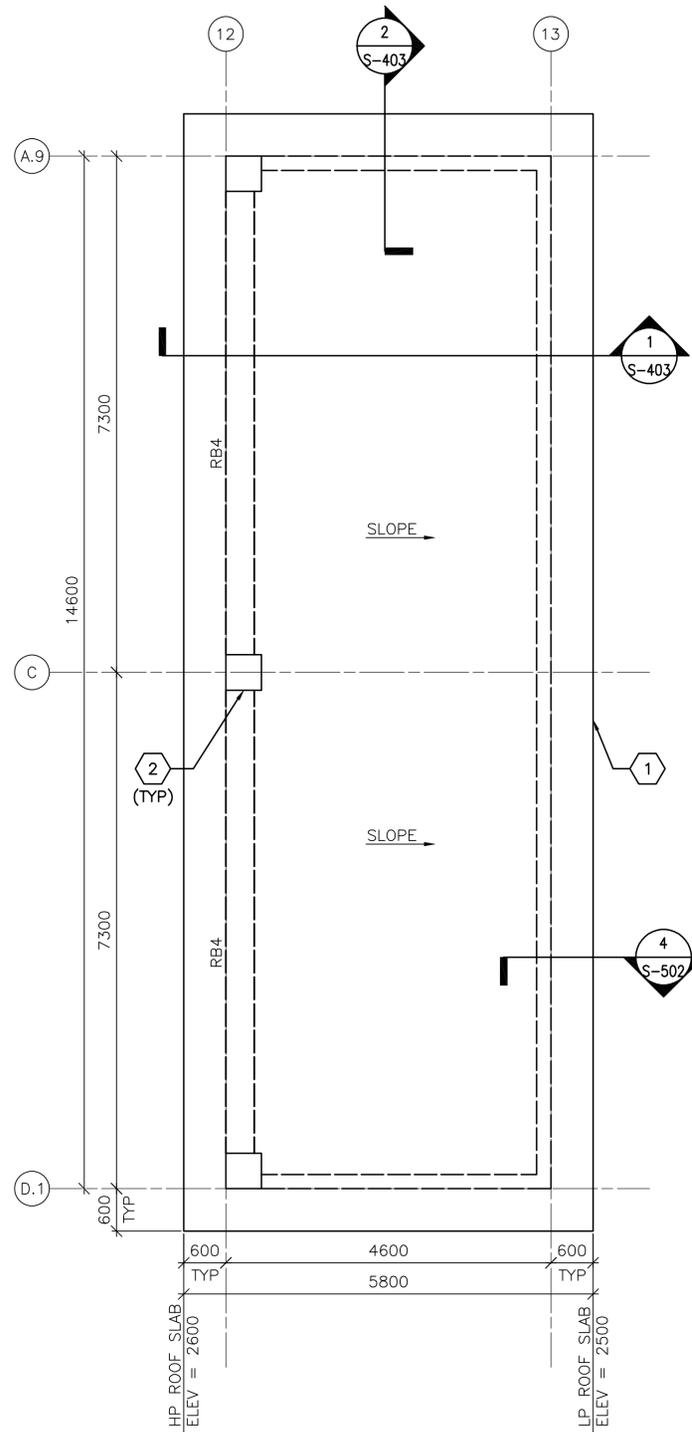
AFGHAN NATIONAL ARMY
REGIONAL MILITARY TRAINING CENTER
STANDARD DESIGN

DINING FACILITY
PROPANE CYLINDER STORAGE
FND/SLAB & ROOF FRAMING PLAN

Sheet reference number:
S-105



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FOUNDATION/SLAB PLAN
S-106 SCALE: 1:50



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ROOF FRAMING PLAN
S-106 SCALE: 1:50

FOUNDATION/SLAB PLAN NOTES:

1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
2. SLAB-ON-GRADE ELEVATION SHALL BE (DATUM 0.00). ALL PLUS OR MINUS DIMENSIONS INDICATED ON PLAN OR REFERRED TO IN NOTES RELATE TO SLAB-ON-GRADE ELEVATION.
3. SLAB-ON-GRADE IS 150 WITH #13 @ 300 OC EW LOCATED 38 FROM T/SLAB.
4. BOT OF EXTERIOR FOOTINGS SHALL BE -950 UNLESS OTHERWISE INDICATED.
5. COLUMN FOOTINGS INDICATED BY F# ON PLAN. REFER TO COLUMN FOOTING SCHEDULE ON SHEET S-601.
6. REFER TO COLUMN SCHEDULE ON SHEET S-601.
7. SHEARWALL INDICATED BY SW# ON PLAN, REFER TO SHEARWALL SCHEDULE ON SHEET S-601.
8. SEE MECHANICAL AND ELECTRICAL SHEETS FOR CONCRETE PAD LOCATIONS, SIZES, AND THICKNESS NOT SHOWN. SEE SHEET S-701 FOR DETAILS.

FOUNDATION/SLAB PLAN KEY NOTES: (X)

1. NOT USED
2. REINF CONC COLUMN
3. REINF CONC SLAB-ON-GRADE
4. (2)-#13 @ RE-ENTRANT CORNERS - SEE S-701 FOR INFORMATION

FOUNDATION/SLAB PLAN LEGEND:

- REINF CONC SHEAR WALL
- CONTROL JOINT

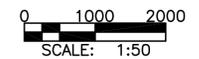
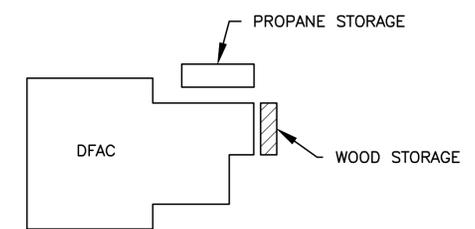
ROOF FRAMING PLAN NOTES:

1. REFER TO SHEETS S-001 FOR STRUCTURAL NOTES AND BASIS OF DESIGN.
2. TOP OF ROOF SLAB ELEVATION = 2500 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.

ROOF FRAMING PLAN KEY NOTES: (X)

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

KEYPLAN:



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

APPROVED:

Chris W. White
A/E DESIGNER OF RECORD

SEAL:



Rev.	Date	Description	Appr.	Date

Designed by:	KMP/MMY	Checked by:	RCG/CWW
Dwn by:	RCG	Reviewed by:	LHM
Submitted by:	BAKER	Drawing code:	ANAFACS-108FP
Date:	2/23/10	File name:	ANAFACS-108FP
Design file no.:		Plot date:	2/23/2010
		Plot scale:	1:50

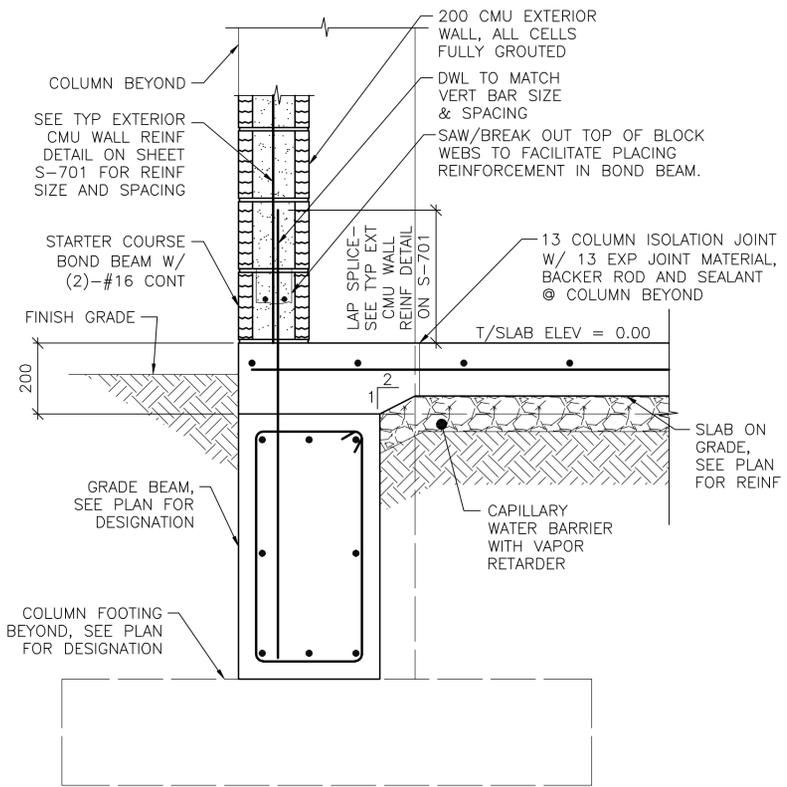
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FND/SLAB & ROOF FRAMING PLAN

Sheet reference number:
S-106

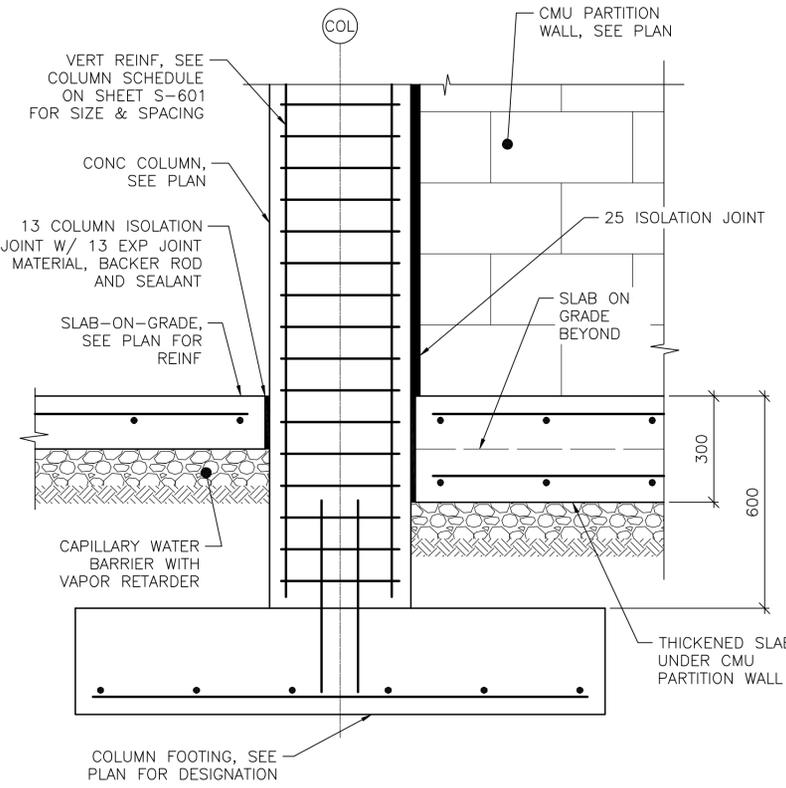


Rev.	Date	Description
1		
2		
3		
4		
5		

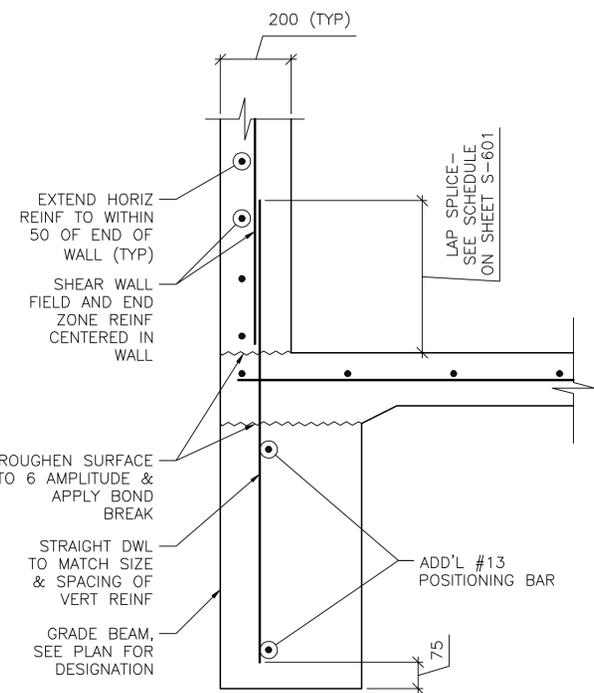


1 SECTION
 S-101 SCALE: 1:10

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

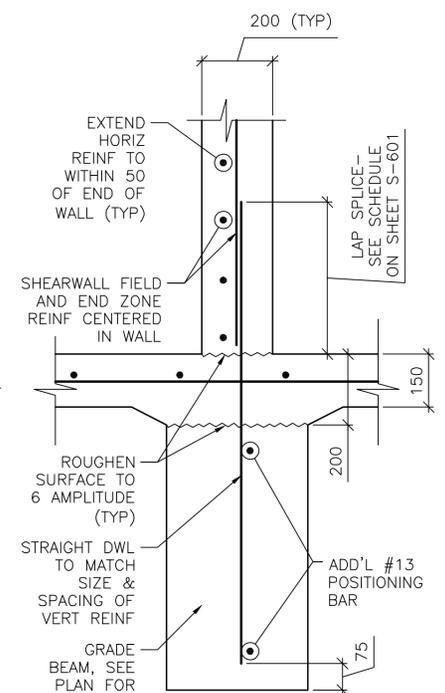


2 SECTION
 S-101 SCALE: 1:10



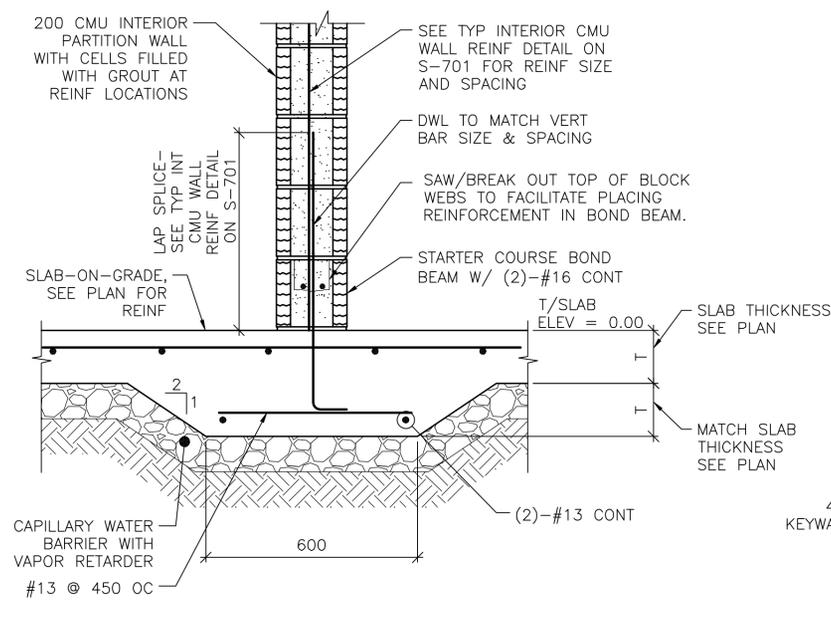
3 SECTION
 S-101 SCALE: 1:10

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.

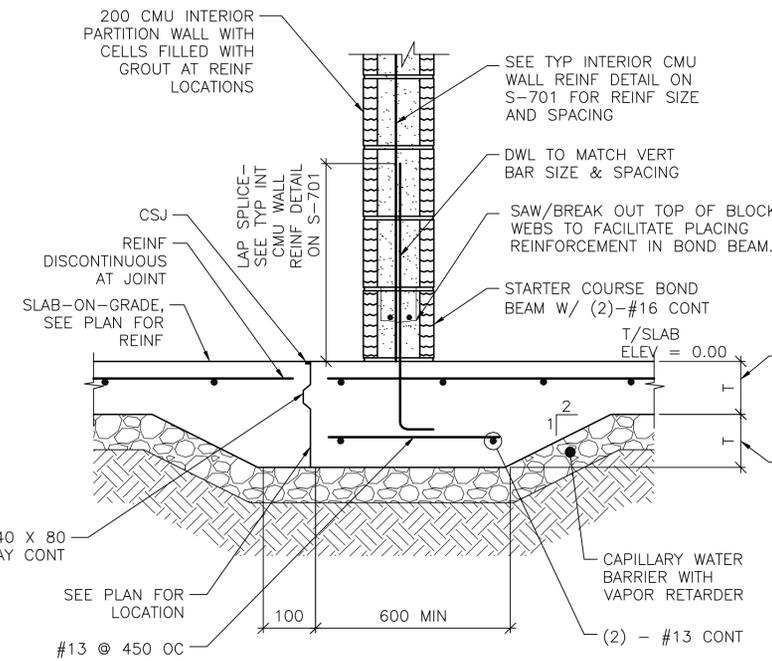


4 SECTION
 S-101 SCALE: 1:10

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.

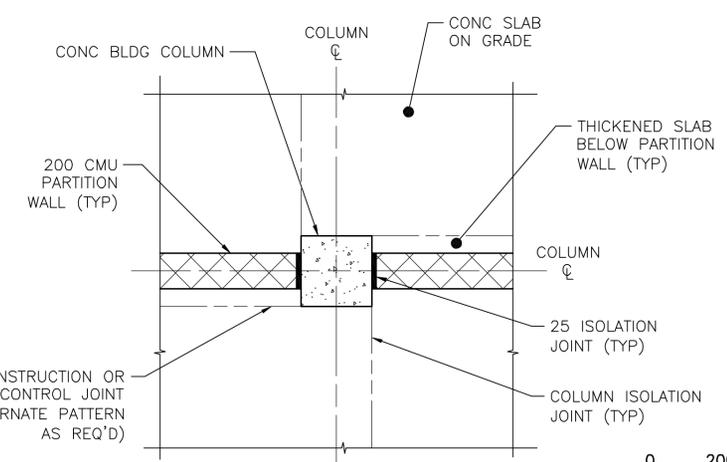


5 SECTION
 S-101 SCALE: 1:10



6 SECTION
 S-101 SCALE: 1:10

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



A COLUMN ISOLATION JOINT DETAIL
 S-501 SCALE: NTS

0 200 400
 SCALE: 1:10

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

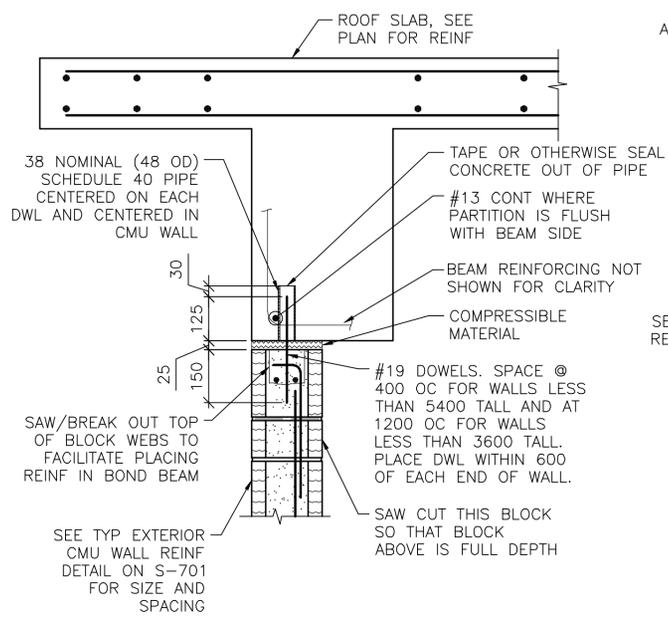
APPROVED:
Chris White
 A/E DESIGNER OF RECORD
 SEAL:



Designed by:	KMP/AMMY
Dwn by:	RCG
Reviewed by:	LHM
Submitted by:	BAKER
Date:	2/23/10
Design file no.:	
Drawing code:	
File name:	ANAFACS-019C
Plot date:	2/23/10
Plot scale:	1:10

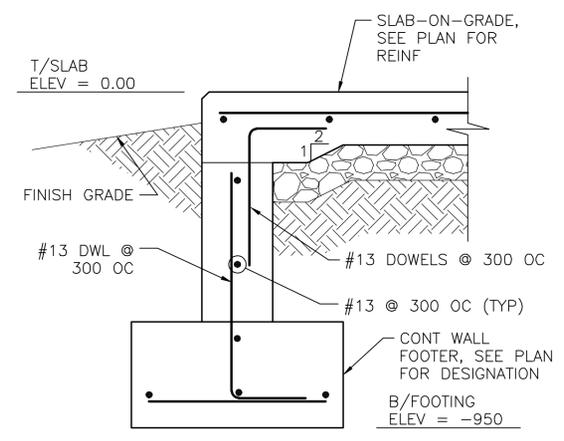
AFGHAN NATIONAL ARMY
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 DINING FACILITY
 FOUNDATION SECTIONS

Sheet reference number:
 S-501

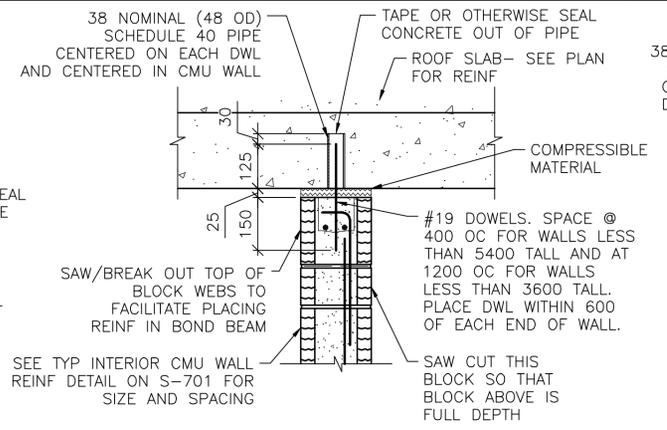


NOTES:
1. EXTEND DOWEL REINF TO 25 CLEAR FROM TOP OF CMU WALL.

SECTION 1
SCALE: 1:10

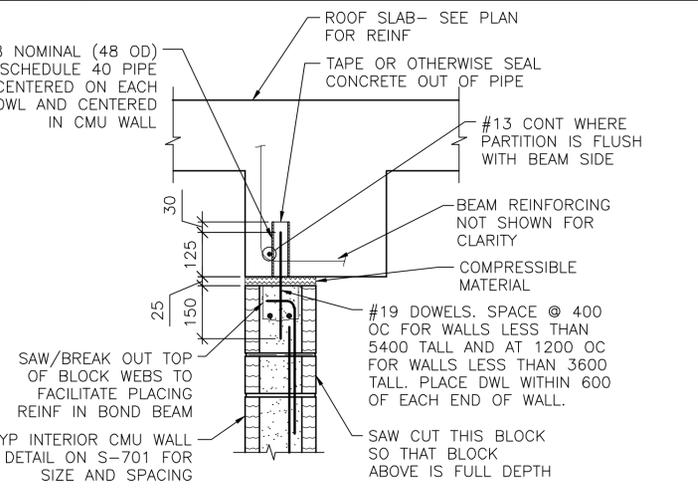


SECTION 2
SCALE: 1:10



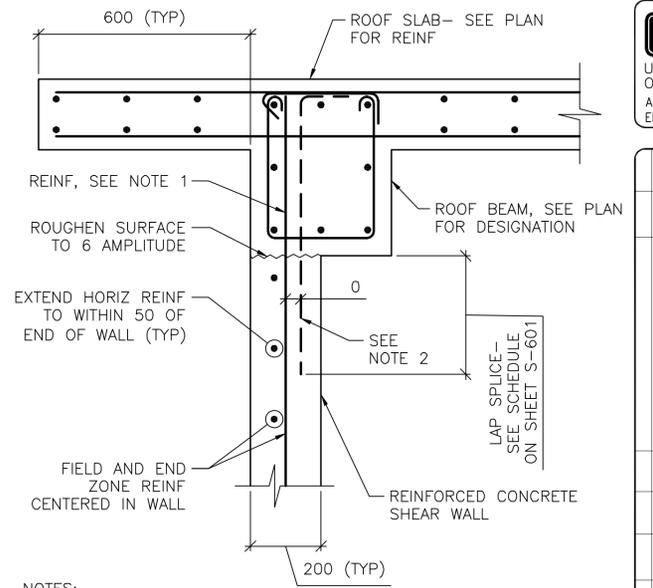
NOTES:
1. EXTEND DOWEL REINF TO 25 CLEAR FROM TOP OF CMU WALL.
2. SLAB REINF NOT SHOWN FOR CLARITY.

SECTION 3
SCALE: 1:10



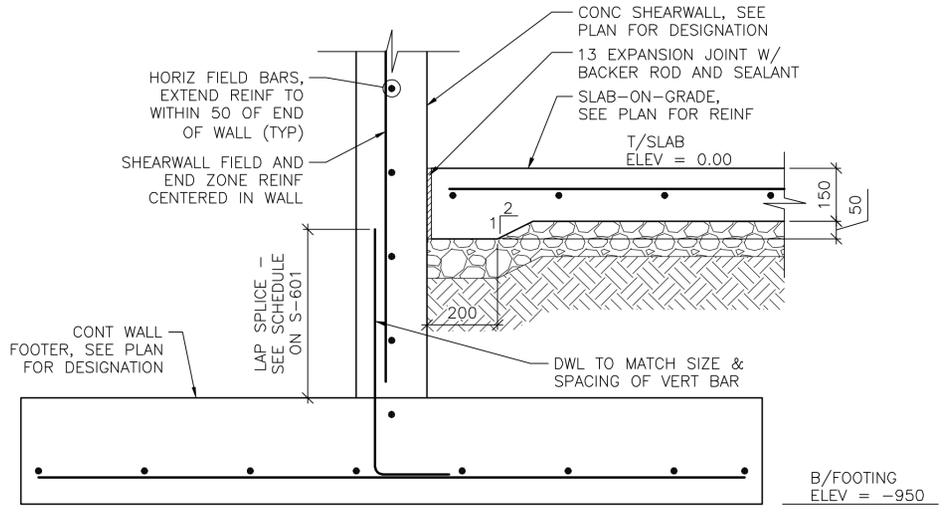
NOTES:
1. EXTEND DOWEL REINF TO 25 CLEAR FROM TOP OF CMU WALL.
2. PARTITION WALL MAY BE CENTERED UNDER THE BEAM OR FLUSH AS SHOWN. SEE PLAN FOR LOCATION.
3. SLAB REINF NOT SHOWN FOR CLARITY.

SECTION 4
SCALE: 1:10

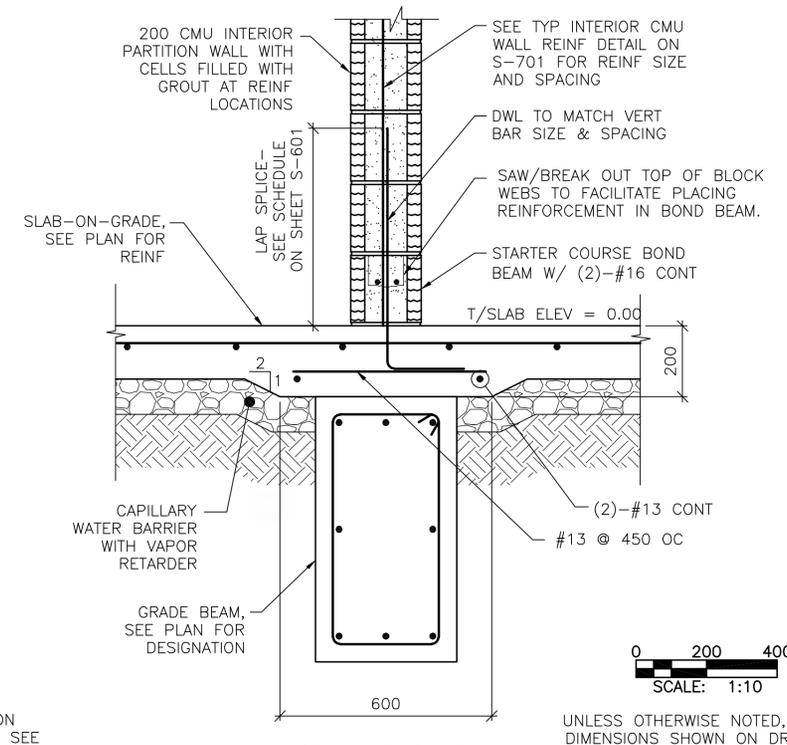


NOTES:
1. TERMINATE "FIELD" VERT REINF & END ZONE REINF @ 50 CLEAR FROM TOP OF ROOF SLAB.
2. WHERE END ZONE REINFORCING CANNOT BE DEVELOPED IN BEAM DEPTH, PROVIDE HOOKED DWLS SAME SIZE & SPACING. PROVIDE TENSION LAP BELOW ROOF BEAM.
3. SEE SHEET S-601 AND SHEET S-702 FOR SCHEDULED FIELD AND END ZONE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

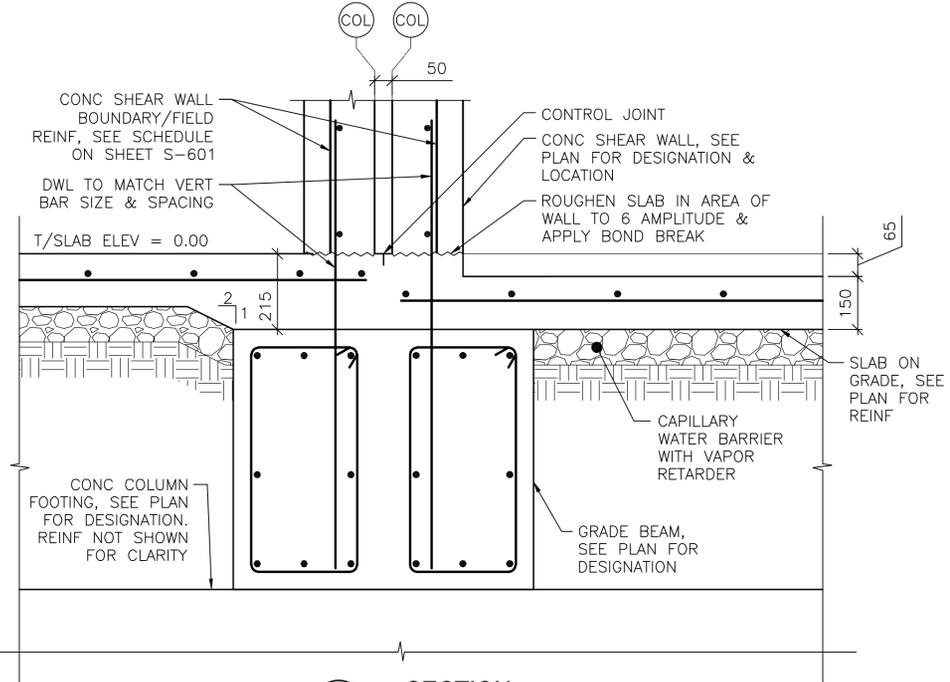
SECTION 5
SCALE: 1:10



SECTION 6
SCALE: 1:10



SECTION 7
SCALE: 1:10



SECTION 8
SCALE: 1:10



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

Designed by: KMP/MMY
Dwn by: RCG/CWW
Reviewed by: LHM
Submitted by: BAKER
Date: 2/23/10
Design file no.:
Drawing code: ANAFACS-0025C
File name: ANAFACS-0025C
Plot date: 2/23/10
Plot scale: 1:10

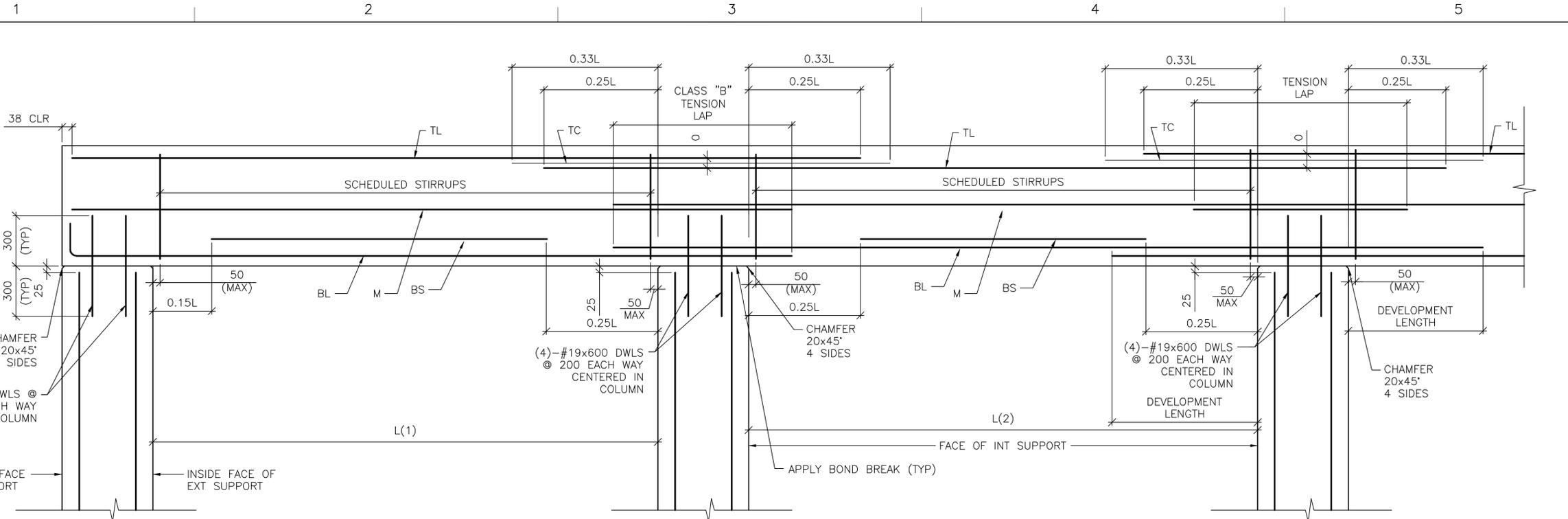
AFGHAN NATIONAL ARMY
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STANDARD DESIGN
DINING FACILITY
SECTIONS

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

APPROVED:
Chris Minto
A/E DESIGNER OF RECORD

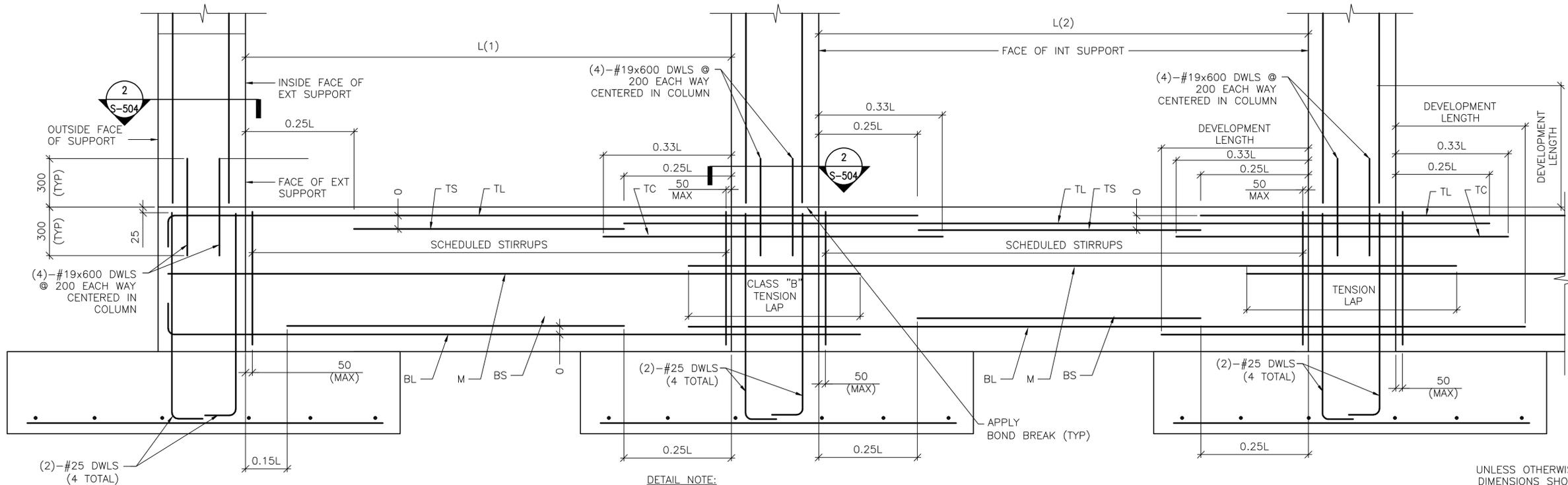


Sheet reference number:
S-502



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 M. Baker
 A/E DESIGNER OF RECORD
 SEAL:



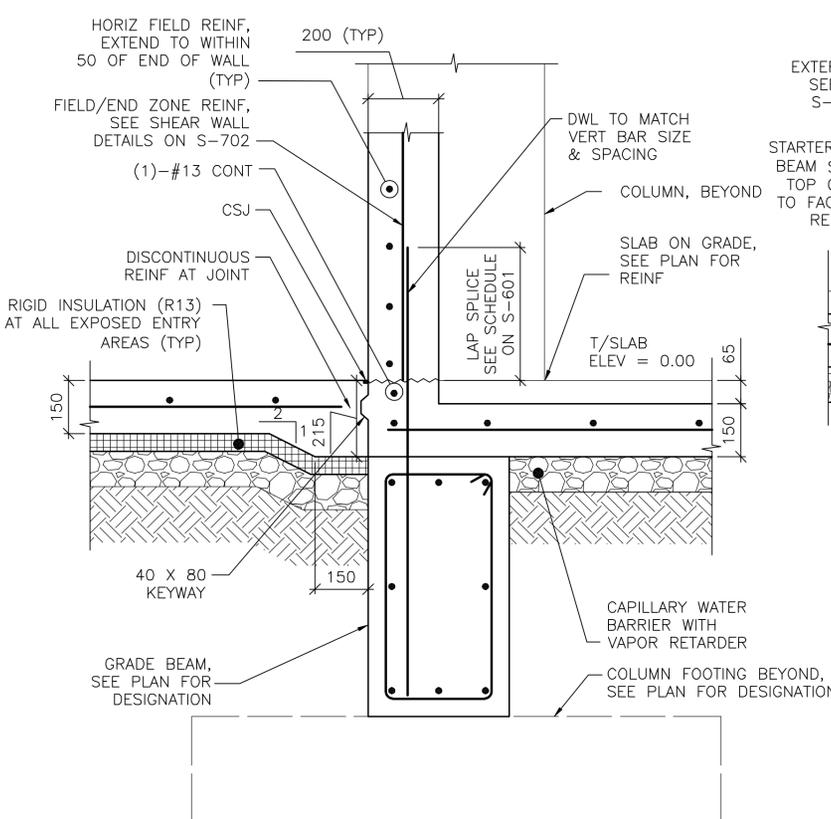
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		Mark
		Date
		Appr.

Designed by: KMP/AMM
 Dwn by: RCG
 Cdd by: CWV
 Reviewed by: LHM
 Submitted by: BAKER

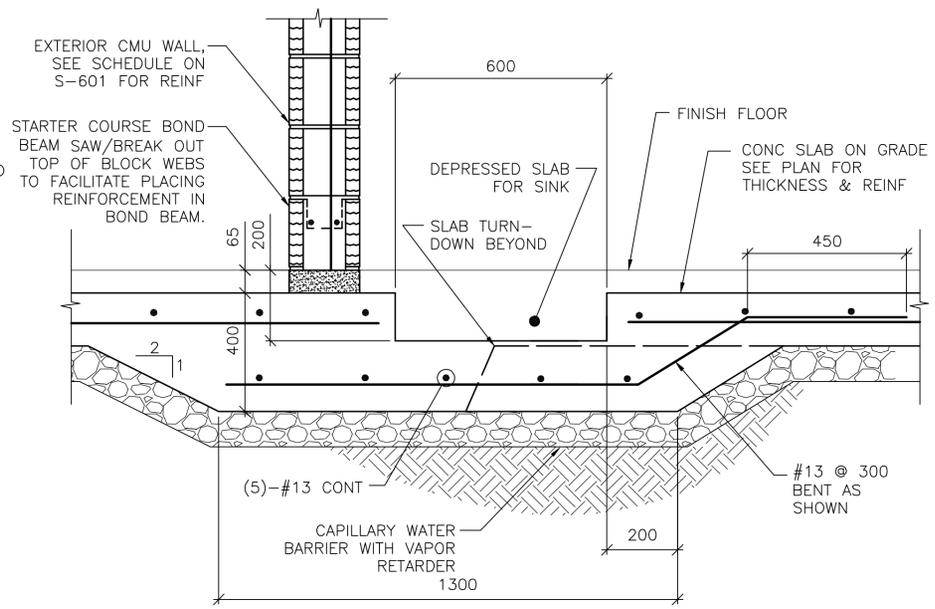
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 Plot date: 2/22/10
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 BEAM & COLUMN DETAILS

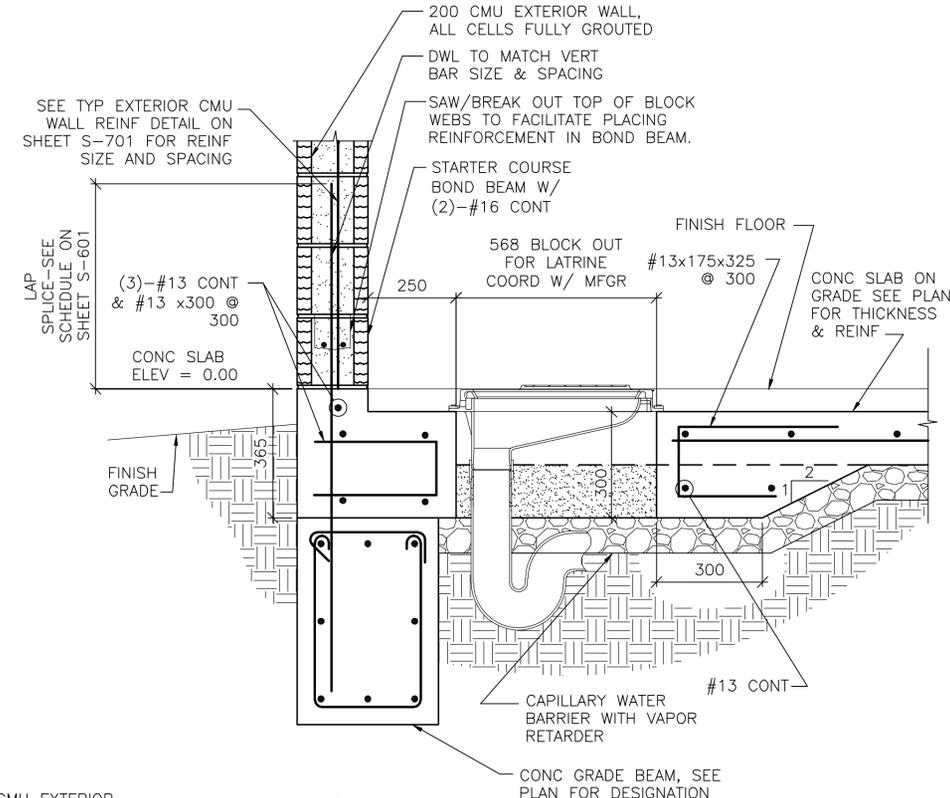
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S-503



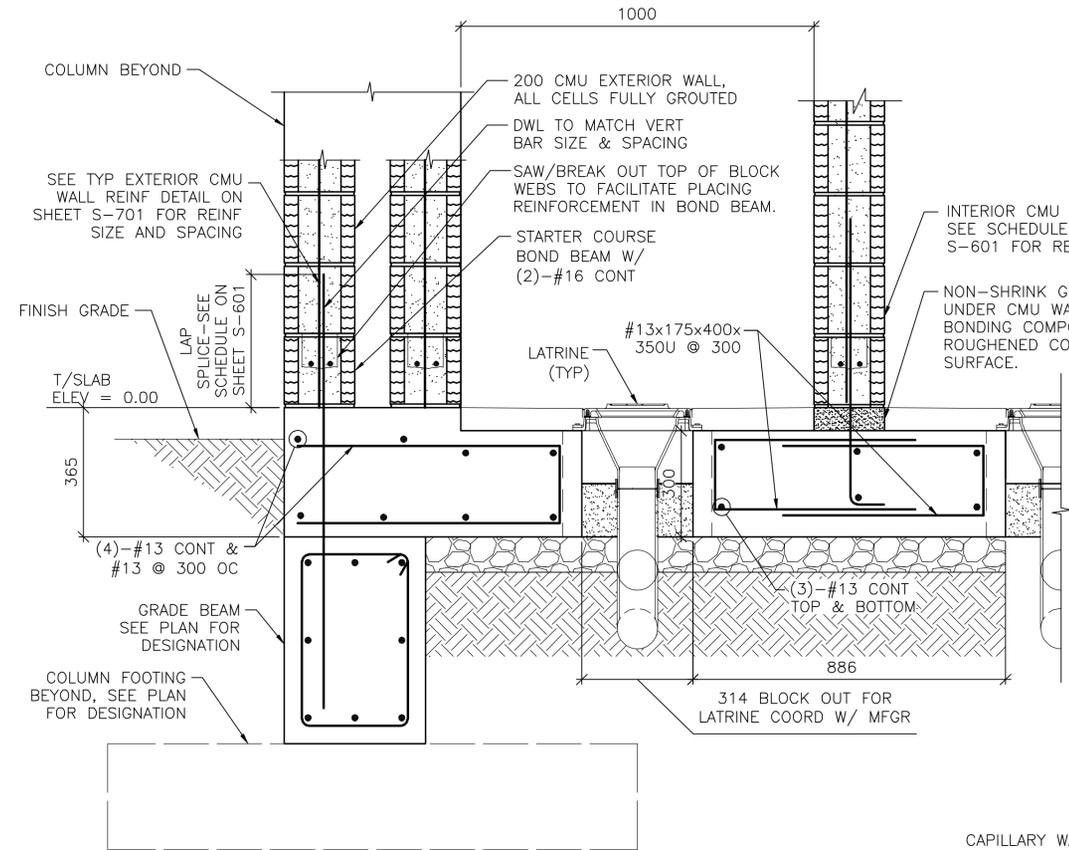
1 SECTION
S-102 SCALE: 1:10



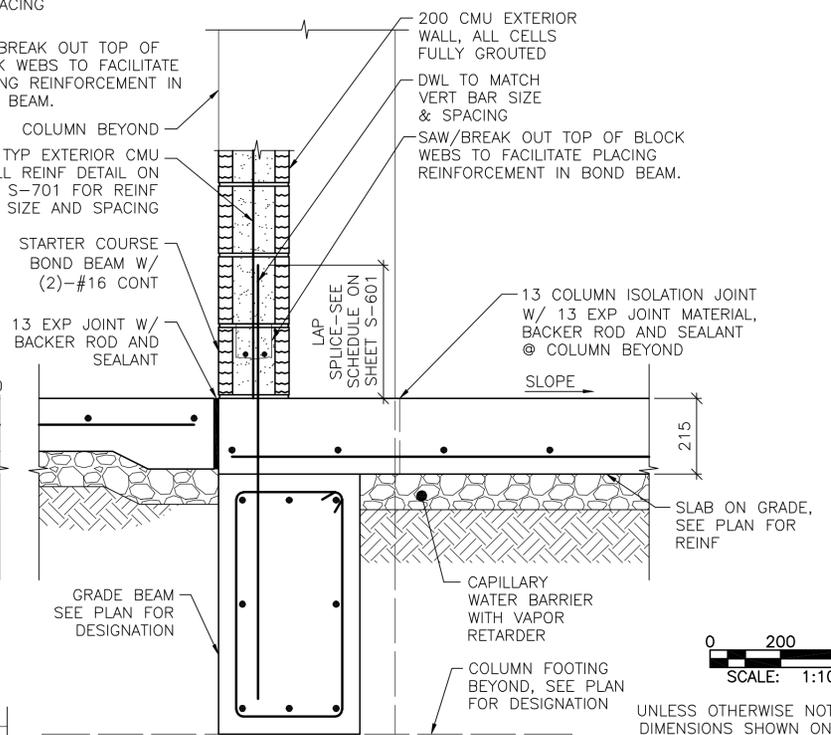
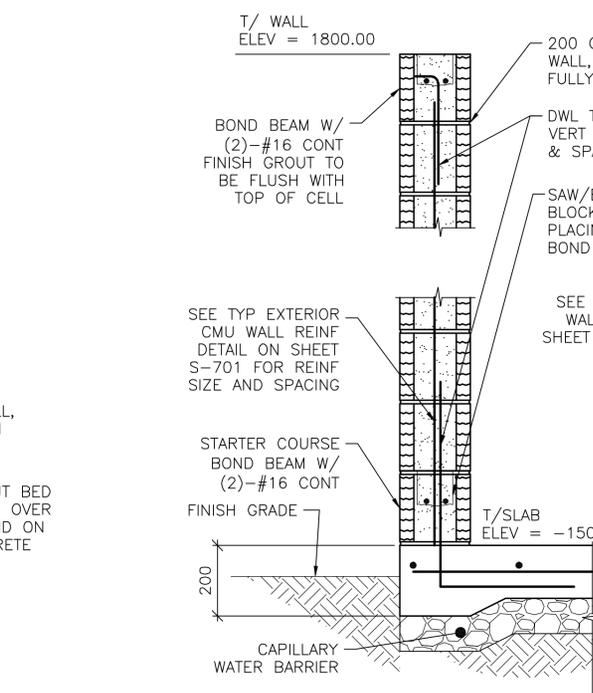
2 SECTION
S-102 SCALE: 1:10



3 SECTION
S-101 SCALE: 1:10

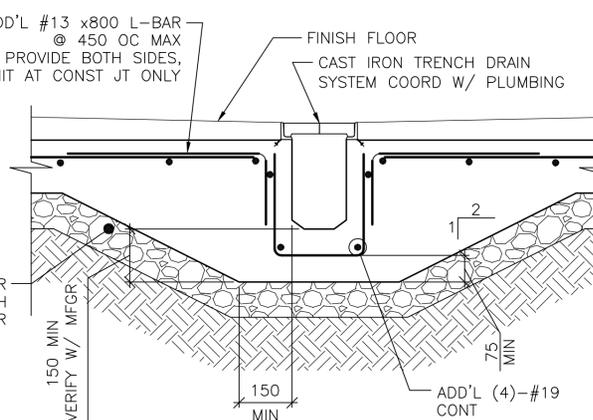


4 SECTION
S-101 SCALE: 1:10



6 SECTION
S-102 SCALE: 1:10

5 SECTION
S-102 SCALE: 1:10



7 SECTION
S-102 SCALE: 1:10



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

APPROVED:
Chris M...
A/E DESIGNER OF RECORD

SEAL:



NOTE:
1. STOVE OMITTED FOR CLARITY.



Rev.	Date	Description
0	2/23/10	Design file no.
		Drawn by: RCG
		Checked by: CWV
		Reviewed by: LHM
		Submitted by: BAKER

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

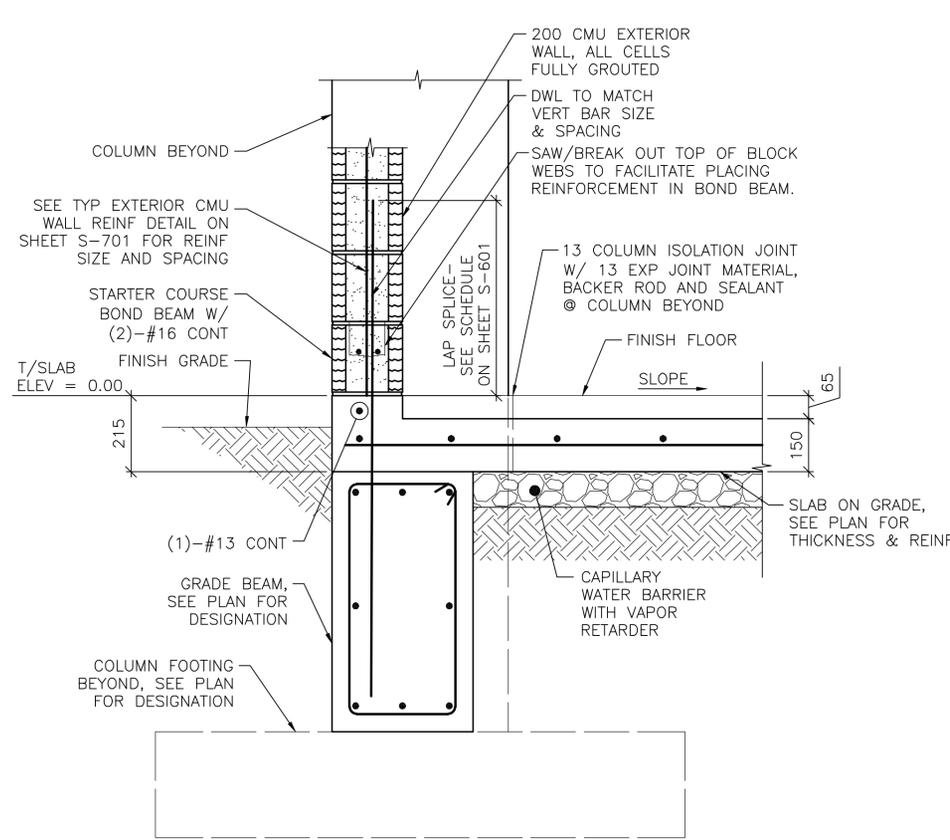
Date: 2/23/10
Design file no.
Drawing code: ANAFACS-658C
File name: ANAFACS-658C
Plot date: 2/22/10
Plot scale: 1:10

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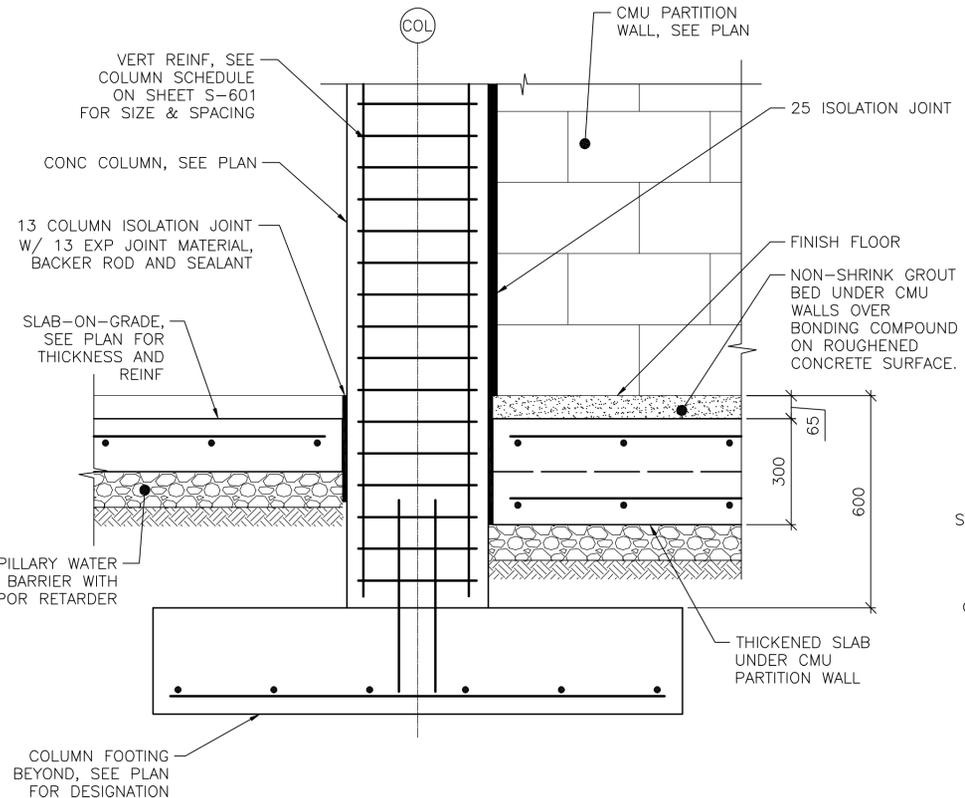
MISCELLANEOUS SECTIONS

Sheet reference number:
S-505

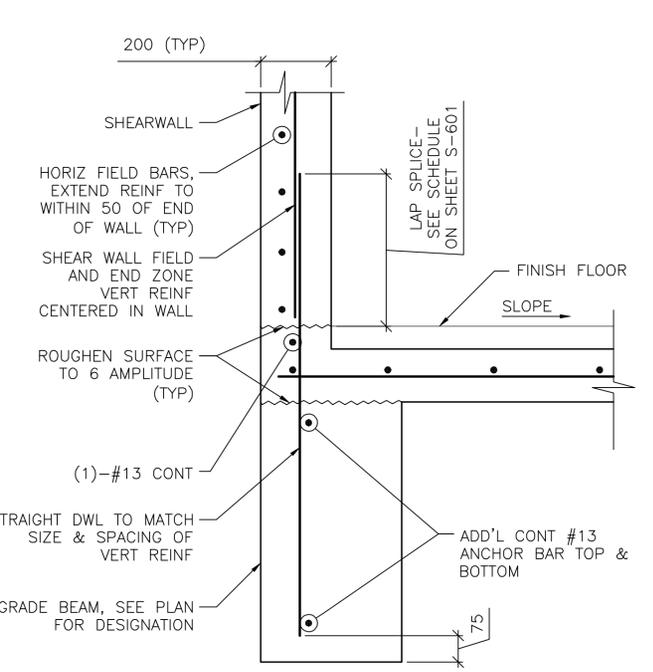


NOTE:
 1. OMIT WALL FOR PROPANE CYLINDER STORAGE.
 2. AT WOOD STOVE KITCHEN (RM 124), PROVIDE CAPILLARY WATER BARRIER FULL DEPTH OF GRADE BEAM.

1 SECTION
 S-102 SCALE: 1:10

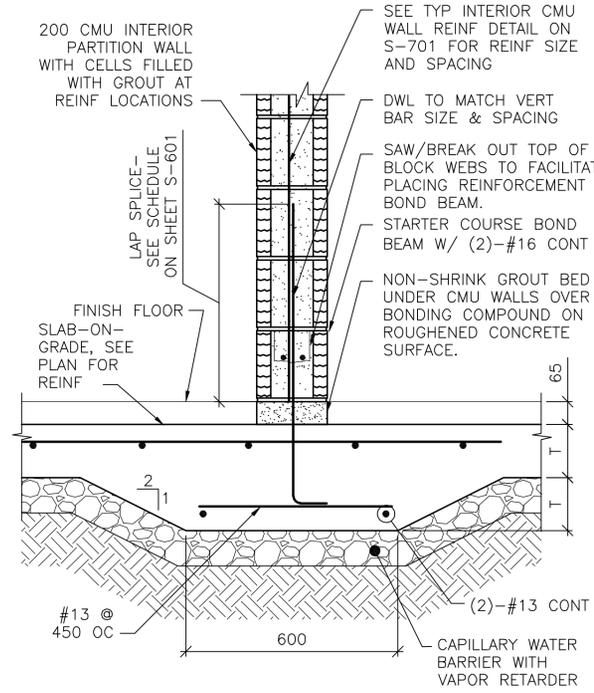


2 SECTION
 S-102 SCALE: 1:10

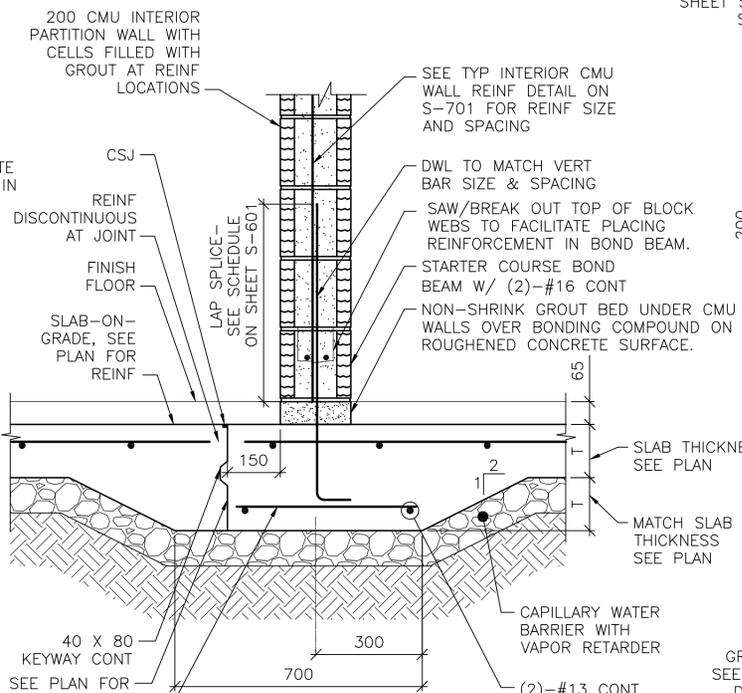


NOTE:
 1. SECTION DEPICTS SHEAR WALL TERMINATION ONLY. GRADE BEAM REINFORCING NOT SHOWN FOR CLARITY.
 2. SEE SHEET S-601 AND SHEET S-702 FOR SCHEDULED SHEAR WALL FIELD AND END ZONE REINF.

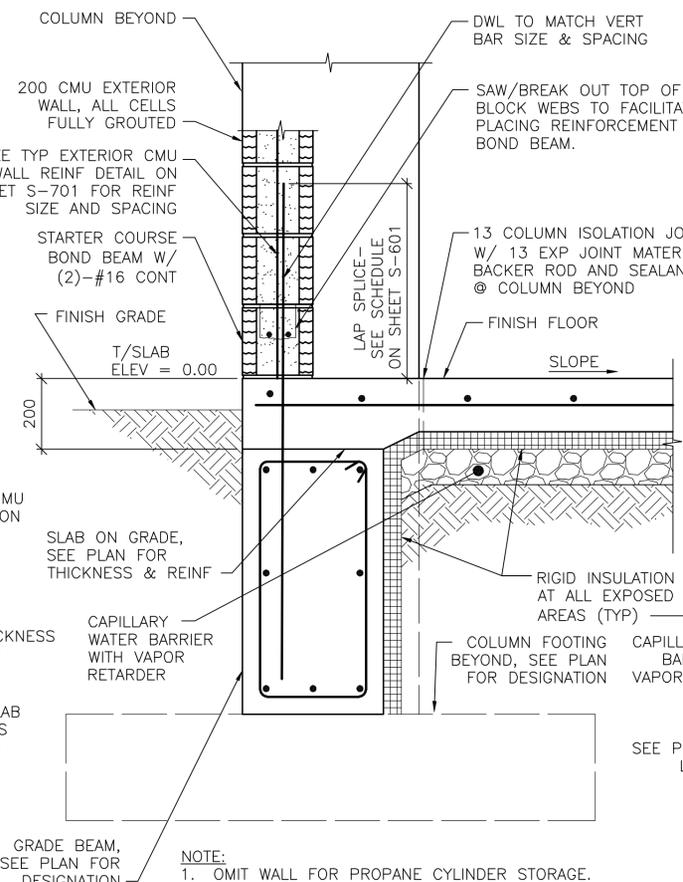
3 SECTION
 S-102 SCALE: 1:10



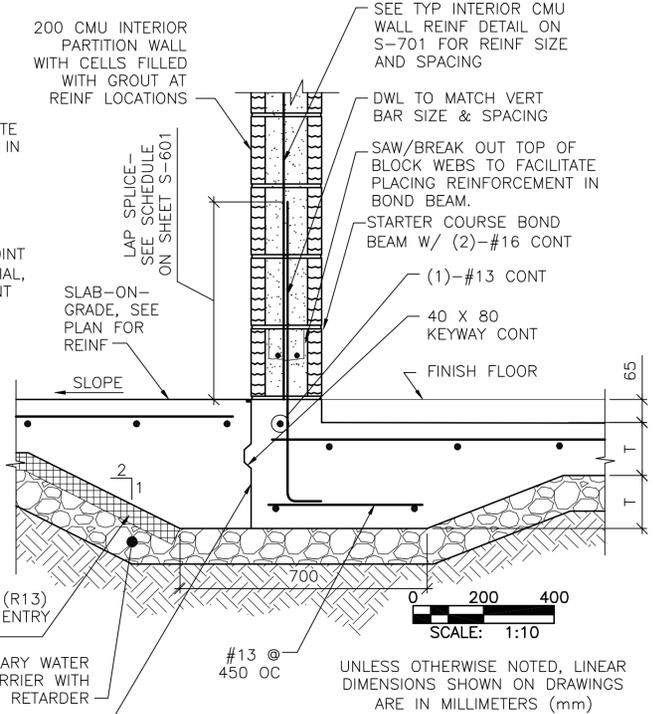
4 SECTION
 S-102 SCALE: 1:10



5 SECTION
 S-102 SCALE: 1:10



6 SECTION
 S-102 SCALE: 1:10



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



Rev.	Date	Description
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Designed by: KMP/MMY	Design file no.:	Date: 2/23/10
Dwn by: RCG	Drawn by: CWV	
Reviewed by: LHM	Reviewed by: LHM	
Submitted by: BAKER	Submitted by: BAKER	
Drawing code: ANAFACS-6078C	File name: ANAFACS-6078C	
Plot date: 2/22/2010	Plot scale: 1:10	

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Sheet reference number:
S-507