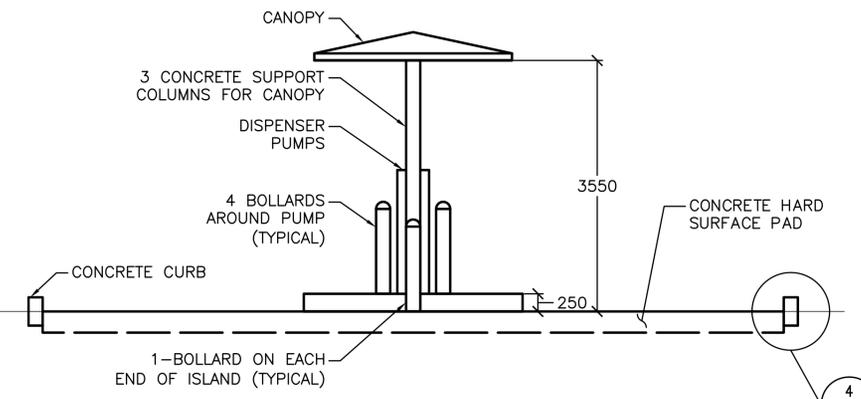
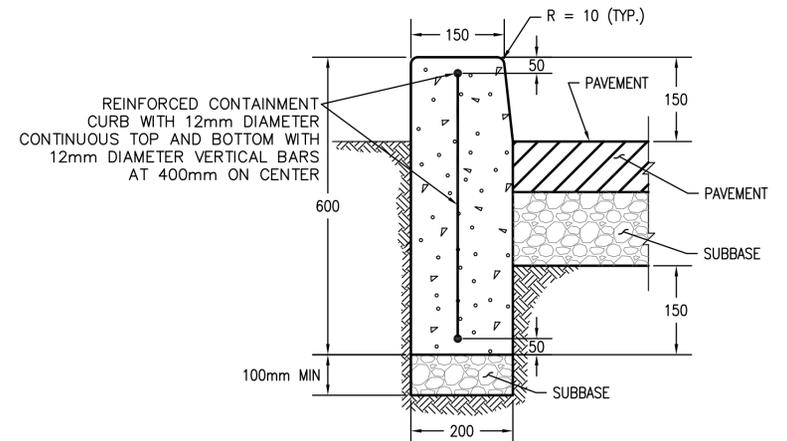
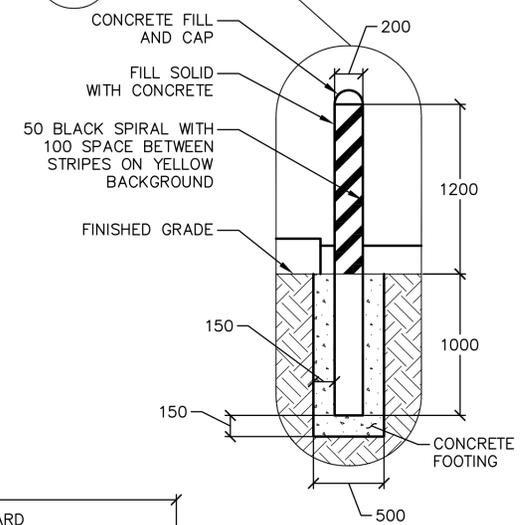


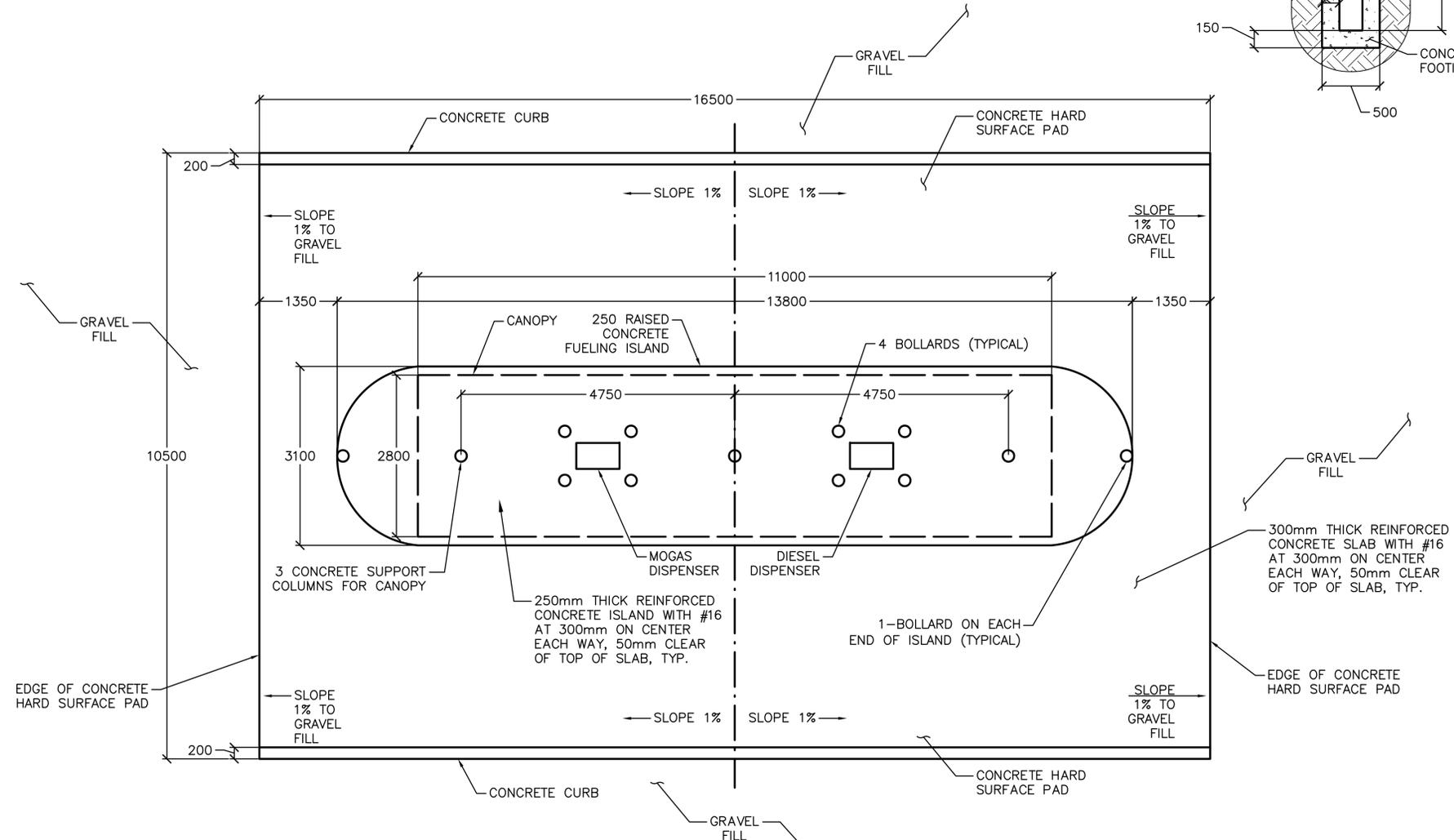
2 ELEVATION
C-102 SCALE: 1:50



3 ELEVATION
C-102 SCALE: 1:50



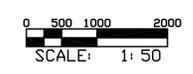
4 150mm CONCRETE CURB
C-102 SCALE: N.T.S.



1 PLAN
C-102 SCALE: 1:50

- NOTES:**
- PROVIDE 6mm EXPANSION JOINT WITH PREFORMED JOINT FILLER AT ALL ANGLE POINTS AND THE BEGINNING AND END OF ALL CURVES. PROVIDE CONTRACTION JOINTS CONSISTING OF 25mm DEEP CUT SCORES AT 6 METERS O.C. MAX.
 - WHERE A WALK IS ADJACENT TO THE CURB THE JOINTS SHALL LINE WITH JOINTS IN THE WALK.

- GENERAL NOTES:**
- ALL BOLLARDS ARE THE SAME SIZE FOR THIS PROJECT
 - PAINTING REQUIREMENTS, INCLUDING COLOR AND STRIPING SHOULD BE COORDINATED WITH THE USER



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

SEAL:

GREGORY P. HYNES
ENGINEER
044310-E



Rev.	Date	Description	Mark	Appr.	Date

Designed by: GPH	Checked by: JMS	Reviewed by: LHM	Submitted by: BAKER
Date: 2/23/2010	Design file no.: C-102	Drawing code: ANAFSC-102XXX	File name: ANAFSC-102XXX
		Plot date: 2/23/2010	Plot scale: 1:50

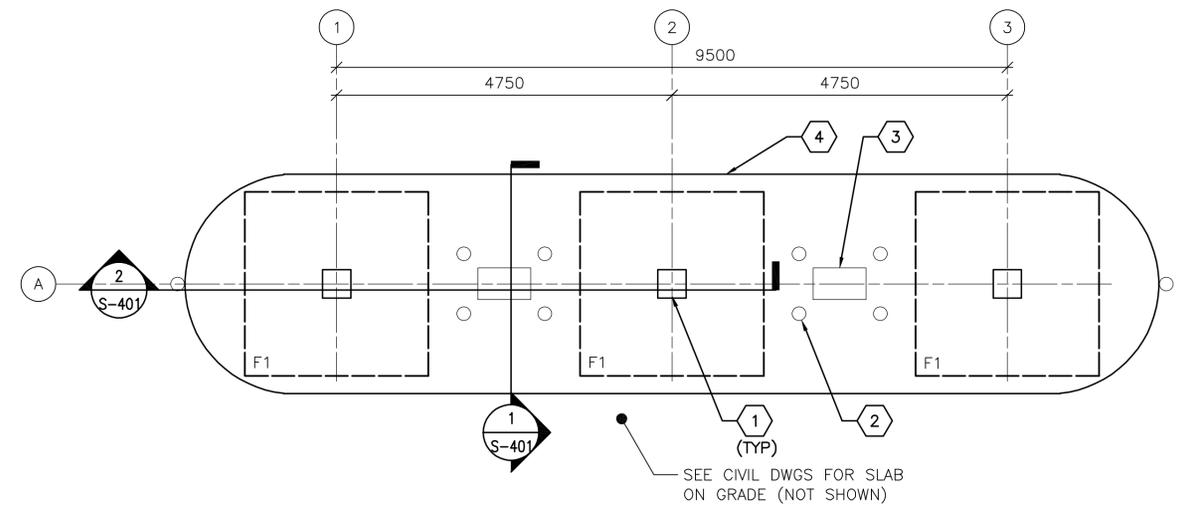
AFGHAN NATIONAL ARMY
REGIONAL MILITARY TRAINING CENTER
STANDARD DESIGN

FUEL STORAGE AND VEHICLE REFUELING POINT
PLAN AND DETAILS

Sheet reference number:
C-102



US ARMY CORPS OF ENGINEERS
AFGHANISTAN ENGINEER DISTRICT



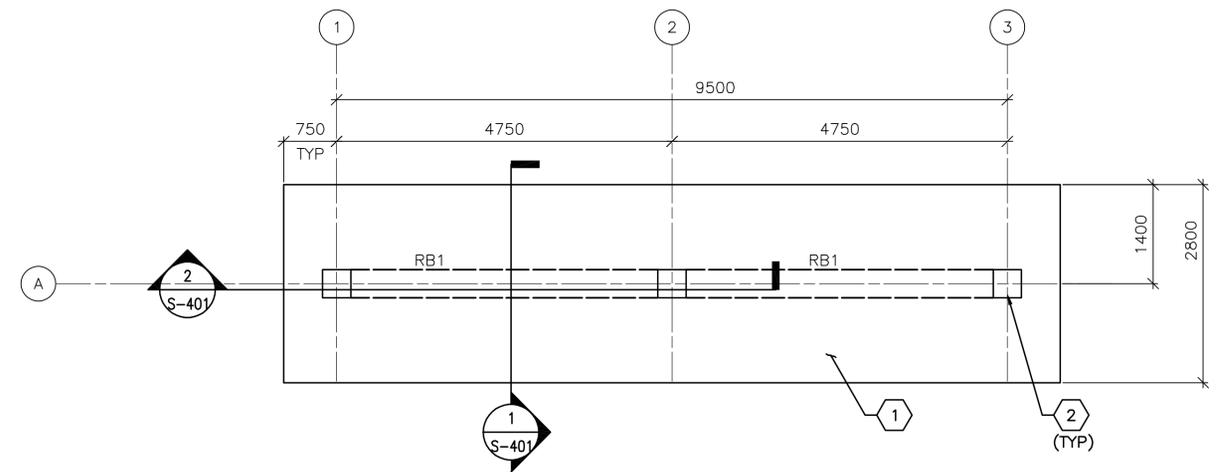
1 VRP FOUNDATION/SLAB PLAN
SCALE: 1:50

FOUNDATION/SLAB PLAN NOTES:

1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
2. T/SLAB ELEVATION SHALL BE (DATUM 0.00) ALL PLUS OR MINUS DIMENSIONS INDICATED ON PLAN OR REFERRED TO IN NOTES RELATE TO T/SLAB ELEVATION.
3. SEE CIVIL DRAWINGS FOR CONCRETE SLAB, AND ISLAND.
4. TOP OF FOOTINGS SHALL BE -400.
5. COLUMN FOOTINGS INDICATED BY F# ON PLAN. REFER TO COLUMN FOOTING SCHEDULE ON SHEET S-601.
6. SEE SHEET S-601 FOR COLUMN SCHEDULE.

FOUNDATION/SLAB PLAN KEY NOTES: (X)

1. REINF CONC COLUMN
2. BOLLARD (SEE TYPICAL DETAILS ON SHEET S-702)
3. FUEL DISPENSER (SEE CIVIL DWGS)
4. CONC ISLAND (SEE CIVIL DWGS)



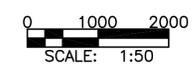
2 VRP ROOF FRAMING PLAN
SCALE: 1:50

ROOF FRAMING PLAN NOTES:

1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND BASIS OF DESIGN.
2. TOP OF ROOF SLAB ELEVATION = 3750 UNLESS NOTED OTHERWISE.
3. ROOF SLAB IS 200 WITH #13 @ 300 OC EW T&B.
4. ROOF BEAM INDICATED BY RB# ON PLAN. REFER TO BEAM SCHEDULE ON SHEET S-601.
5. COLD-FORMED METAL OVERBUILD ROOF FRAMING NOT SHOWN FOR CLARITY. SEE OVERBUILD ROOF FRAMING DETAILS AND SECTIONS ON SHEET S-701 AND S-702.
6. OVERHANG AREAS OF ROOF SLAB CONTAINS ROOF VENT PENETRATIONS. REFERENCE ARCHITECTURAL DRAWINGS FOR INFORMATION.

ROOF FRAMING PLAN KEY NOTES: (X)

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



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

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

SEAL:



Date	Rev.	Description
	0	

Designed by: JAC	Checked by: RCG	Reviewed by: LHM	Submitted by: BAKER
Date: 2/23/10	Design file no.:	Drawing code:	File name: ANMSVRS-101FFP Plot date: 2/22/2010 Plot scale: x/x

AFGHAN NATIONAL ARMY
REGIONAL MILITARY TRAINING CENTER
STANDARD DESIGN
FUEL STORAGE AND VEHICLE REFUELING POINT
DISPENSING FOUNDATION/SLAB &
ROOF FRAMING PLAN

Sheet reference number:
S-101

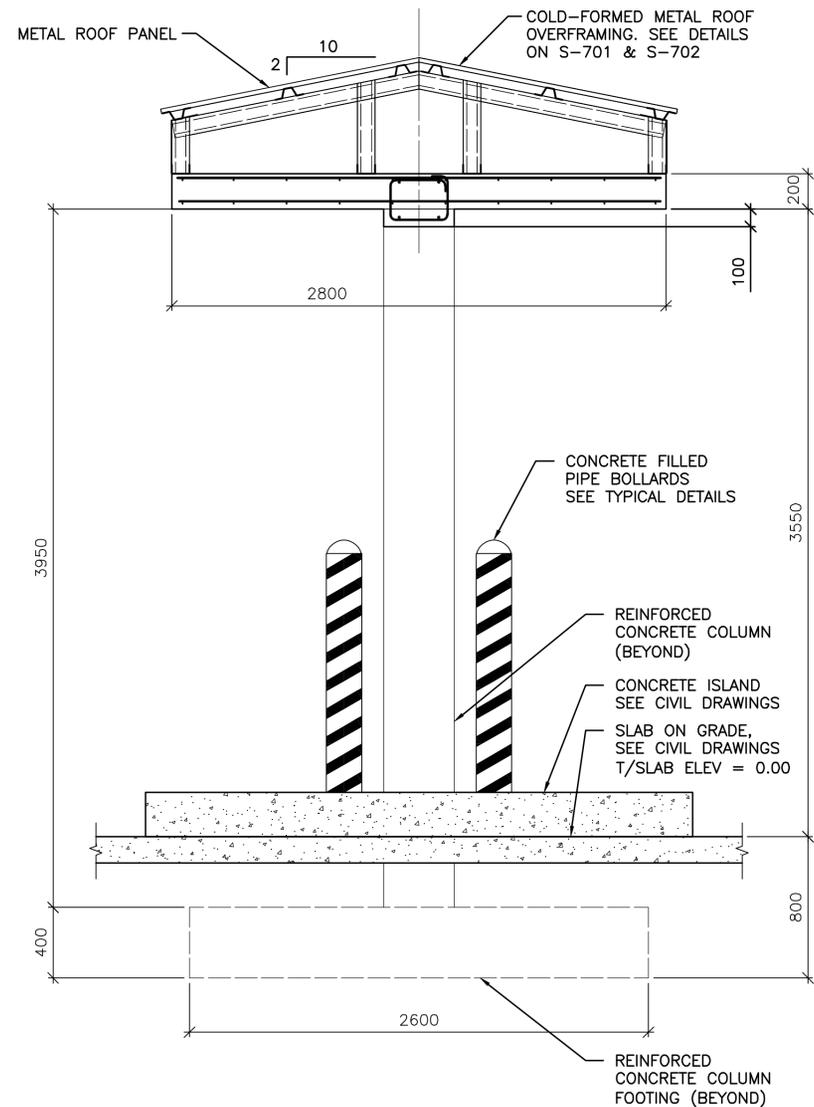
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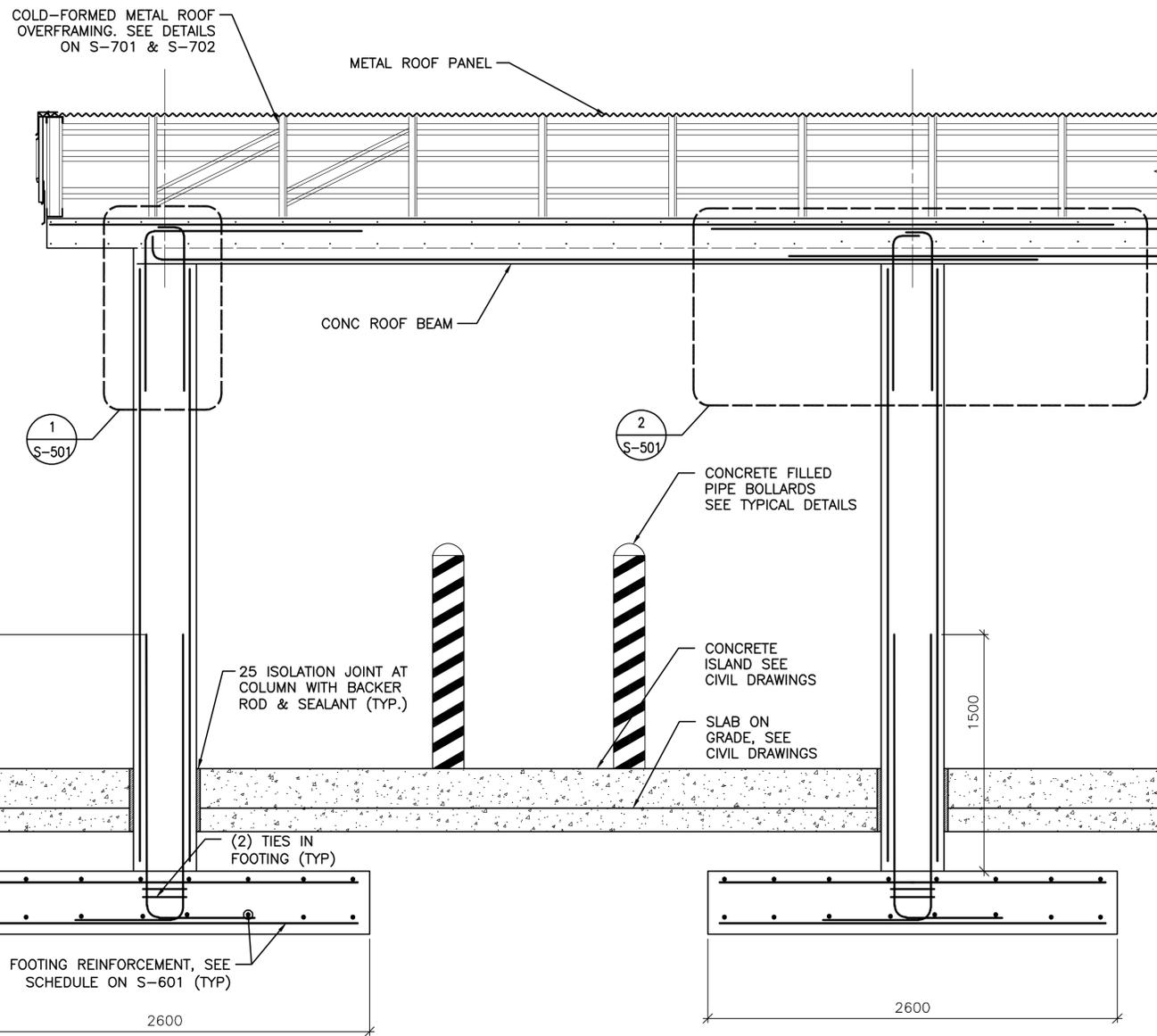
4

5



SECTION NOTE:
1. COLUMN TIES NOT SHOWN FOR CLARITY.

1 VRP SECTION
SCALE: 1:20



SECTION NOTES:
1. COLUMN TIES & BEAM STIRRUPS NOT SHOWN FOR CLARITY.
2. LONGITUDINAL SLAB STEEL NOT SHOWN FOR CLARITY

2 VRP SECTION
SCALE: 1:20



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

APPROVED:

Chris White

A/E DESIGNER OF RECORD

SEAL:



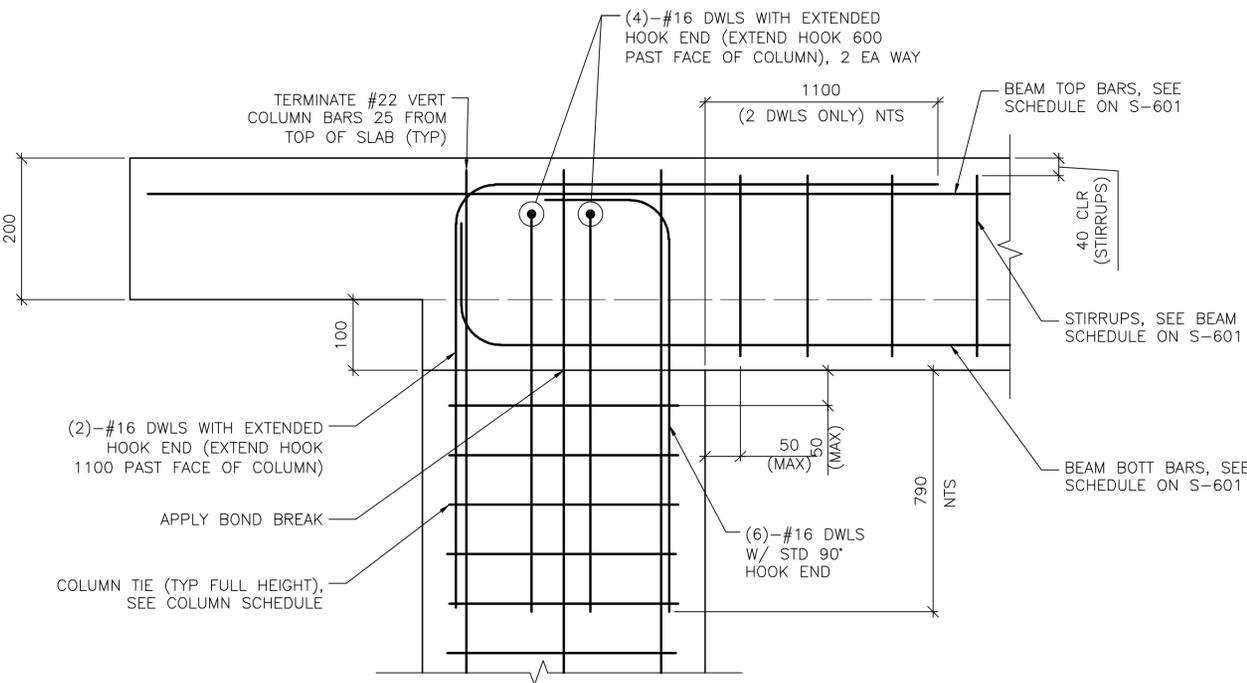
Date	Appr.	Mark	Description

Designed by: JAC	Checked by: RCG	Reviewed by: LHM	Submitted by: BAKER
Date: 2/23/10	Design file no.:	Drawing code:	File name: ANMSVRP-401B3
			Plot date: 2/23/2010
			Plot scale: 1:20

AFGHAN NATIONAL ARMY
REGIONAL MILITARY TRAINING CENTER
STANDARD DESIGN

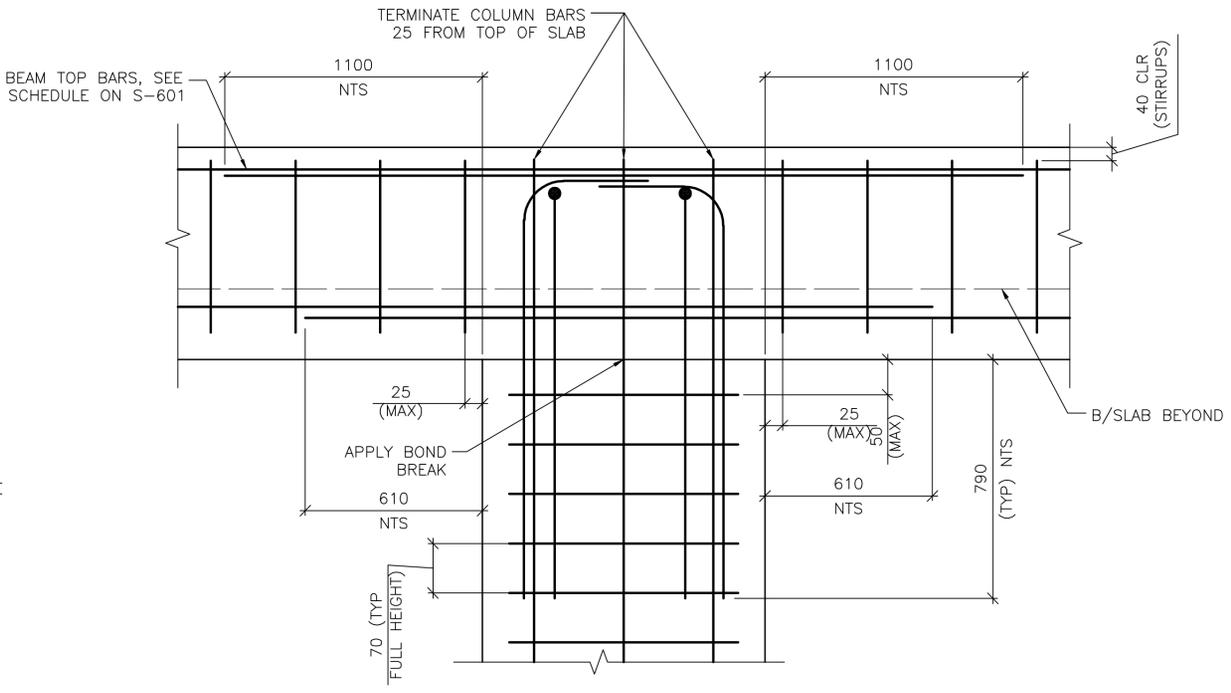
FUEL STORAGE AND VEHICLE REFUELING POINT
DISPENSING SECTIONS

Sheet reference number:
S-401



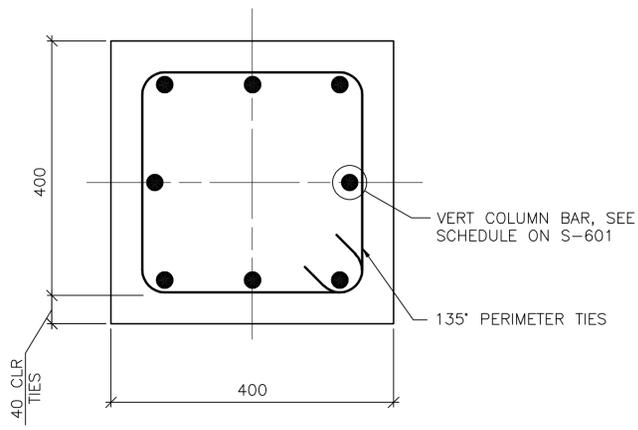
DETAIL NOTE:
1. SLAB REINFORCEMENT NOT SHOWN FOR CLARITY

SECTION @ TOP OF VRP END COLUMN
SCALE: 1:5



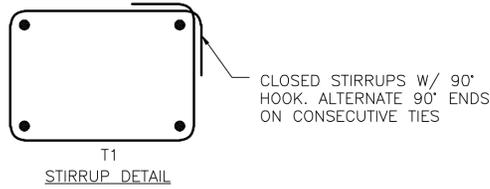
DETAIL NOTE:
1. SLAB REINFORCEMENT NOT SHOWN FOR CLARITY

SECTION @ TOP OF VRP CENTER COLUMN
SCALE: 1:5

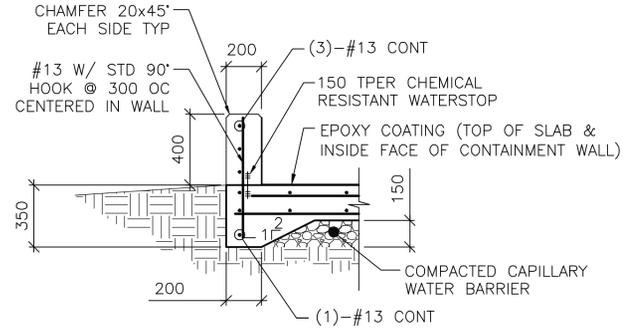


DETAIL NOTE:
1. CENTER COLUMN SIMILAR

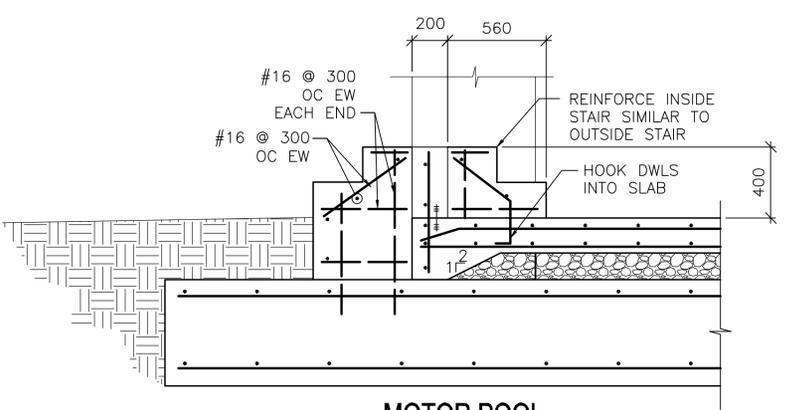
TYPICAL COLUMN SECTION @ MID-HEIGHT
SCALE: 1:5



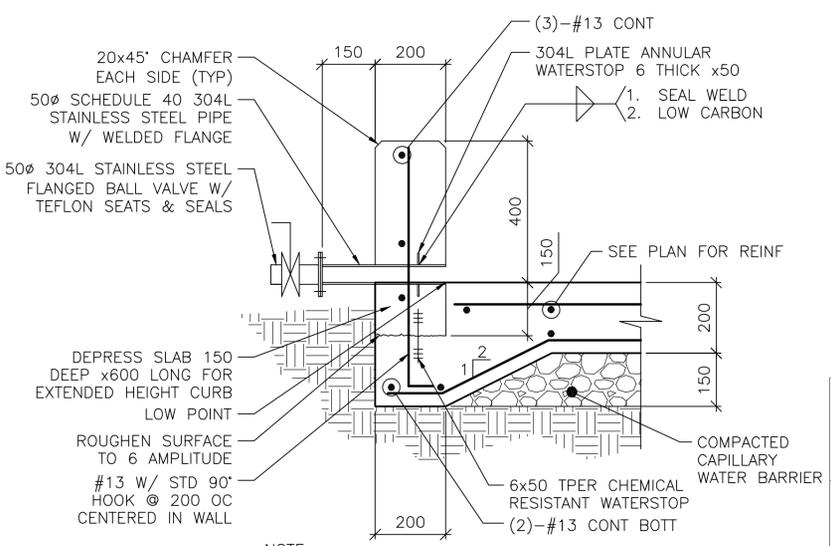
BEAM REINFORCEMENT DETAILS
SCALE: NTS



MOTOR POOL FUEL STORAGE TYPICAL CONCRETE CONTAINMENT WALL
SCALE: 1:20

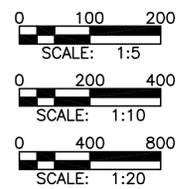


MOTOR POOL FUEL STORAGE SECTION
SCALE: 1:20



NOTE:
1. INVERT OF 50Ø DRAIN PIPE TO MATCH LOW POINT ELEVATION OF CONTAINMENT.

MOTOR POOL FUEL STORAGE LOW POINT DRAIN
SCALE: 1:10



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

APPROVED:
A/E DESIGNER OF RECORD
SEAL:



Rev.	Date	Description	Appr.	Date

Designed by: JAC	Checked by: RCG	Reviewed by: LHM	Submitted by: BAKER
Date: 2/23/10	Design file no.:	Drawing code: ANAFSVR-501SC	File name: ANAFSVR-501SC
Plot date: 2/23/10	Plot scale: x:1		

AFGHAN NATIONAL ARMY REGIONAL MILITARY TRAINING CENTER
FUEL STORAGE AND VEHICLE REFUELING POINT
DISPENSING SECTIONS & DETAILS

Sheet reference number:
S-501

LIGHTNING PROTECTION

AIR TERMINAL 20mm O.D. X 450mm SOLID COPPER, NICKEL PLATED ON ADHESIVE BASE

GROUND ROD

LIGHTING

LIGHTING FIXTURE - SEE FIXTURE SCHEDULE FOR MORE INFORMATION

MISCELLANEOUS

BRANCH CIRCUIT WIRING, SURFACE MOUNTED ON WALLS

HOME RUN BACK TO PANEL

POWER

JUNCTION BOX

FUSIBLE SAFETY SWITCH

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.

GENERAL PROJECT NOTES: (CONT)

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

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

G5. THE MINIMUM WIRE SIZE ON THE PROJECT SHALL BE 4mm². THE MINIMUM CONDUIT SIZE SHALL BE 20mm. THE MINIMUM BREAKER SIZE SHALL BE 20 AMPS.

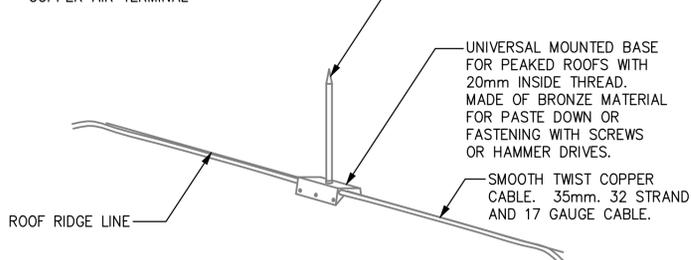
G6. THE CONTRACTOR SHALL PUT A MAXIMUM OF 6 DUPLEX RECEPTACLES ON A 20A SINGLE POLE CIRCUIT.

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

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

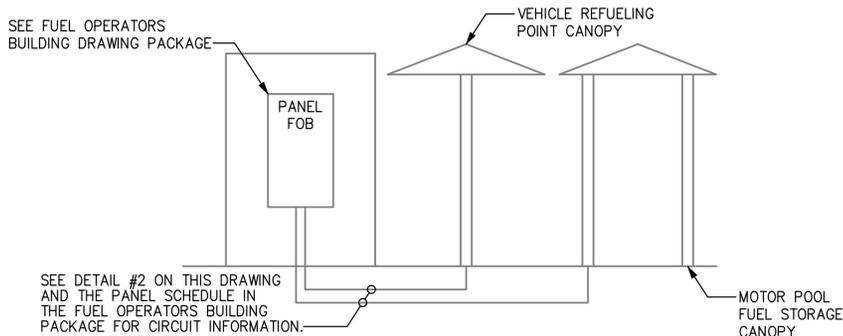
G9. CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL OTHER TRADES TO ENSURE ALL WORK IS COMPLETED IN A PROFESSIONAL, WORKMAN-LIKE MANNER.

20mm X 450mm NICKEL PLATED SOLID COPPER AIR TERMINAL



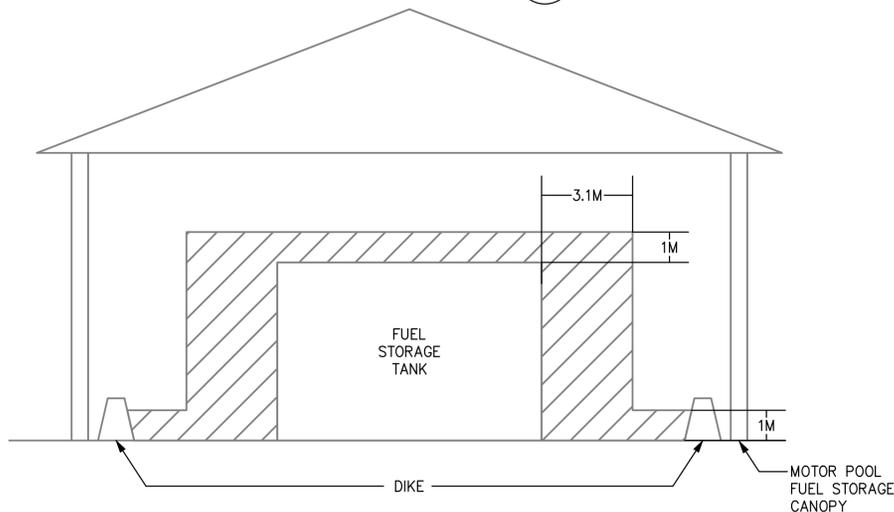
1 LIGHTNING PROTECTION AIR TERMINAL DETAIL

SCALE: N.T.S.



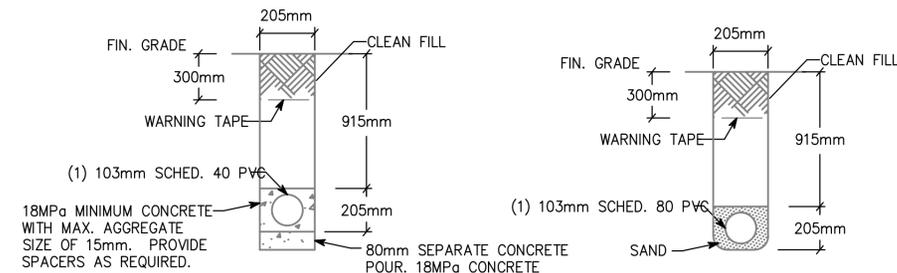
3 MOTOR POOL CANOPIES RISER DIAGRAM

SCALE: N.T.S.



5 EXTENT OF CLASS 1 LOCATION AT FUEL STORAGE CANOPY

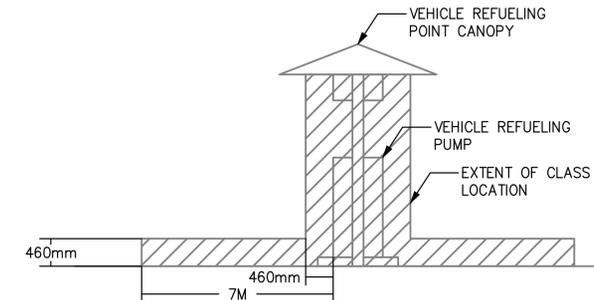
SCALE: N.T.S.



2 TYPICAL DUCT BANK DETAILS FOR CONDUIT IN SAND OR CONCRETE

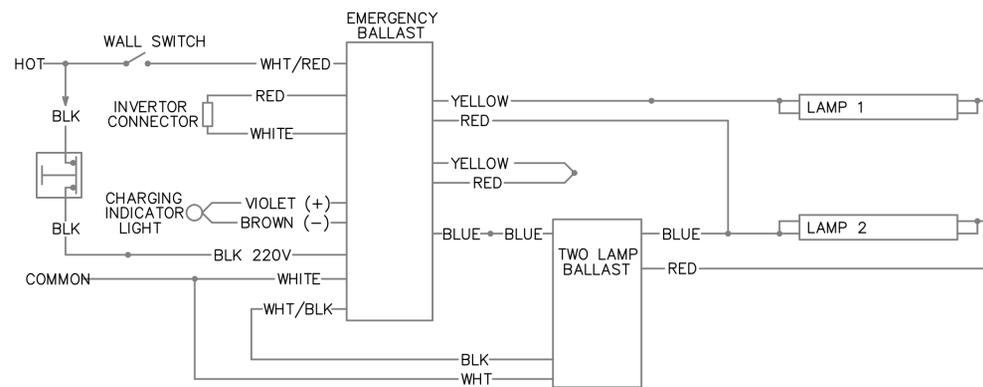
SCALE: N.T.S.

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



4 EXTENT OF CLASS 1 LOCATION AT VEHICLE REFUELING CANOPY

SCALE: N.T.S.



6 EMERGENCY FIXTURE WIRING DIAGRAM

SCALE: N.T.S.

LIGHT FIXTURE SCHEDULE

FIXTURE MARK	STYLE NUMBER AND TYPE	NUMBER AND TYPE OF LAMPS	VOLTAGE	MOUNTING	NOTES
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	PENDANT MOUNTED FROM CEILINGS	FURNISHED WITH LOW TEMPERATURE BALLASTS, LAMPS, AND WIRE GUARD
J2	SAME AS FIXTURE 'J' WITH EMERGENCY BALLAST	(2) 40W 3500K BIAx FLUORESCENT LAMPS	220V - 1ø 50HZ	PENDANT MOUNTED FROM CEILINGS	FURNISHED WITH LOW TEMPERATURE BALLASTS, LAMPS, EMERGENCY BALLAST WITH SELF TEST SWITCH AND WIRE GUARD

APPROVED:
A/E DESIGNER OF RECORD
SEAL:



Rev.	Date	Design	File no.	Drawn	Checked	Reviewed	Submitted	File name	Plot date	Plot scale
0	2/23/10	JRG		BUB	JRG	JRG	BAKER			

U.S. ARMY CORPS OF ENGINEERS
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AFGHAN NATIONAL ARMY
REGIONAL MILITARY TRAINING CENTER
STANDARD DESIGN
FUEL STORAGE AND VEHICLE REFUELING POINT
ELECTRICAL SYMBOLS, SCHEDULES, AND
DETAILS

Sheet reference number:
E-001

