

A

B

C

D

E

F

G

H

6

5

4

3

2

1



15 METER WATER TOWER



U.S. Army Corps
OF Engineers
AFGHANISTAN ENGINEER DISTRICT
AFGHANISTAN, APO AE, 09356

17 DECEMBER 2009



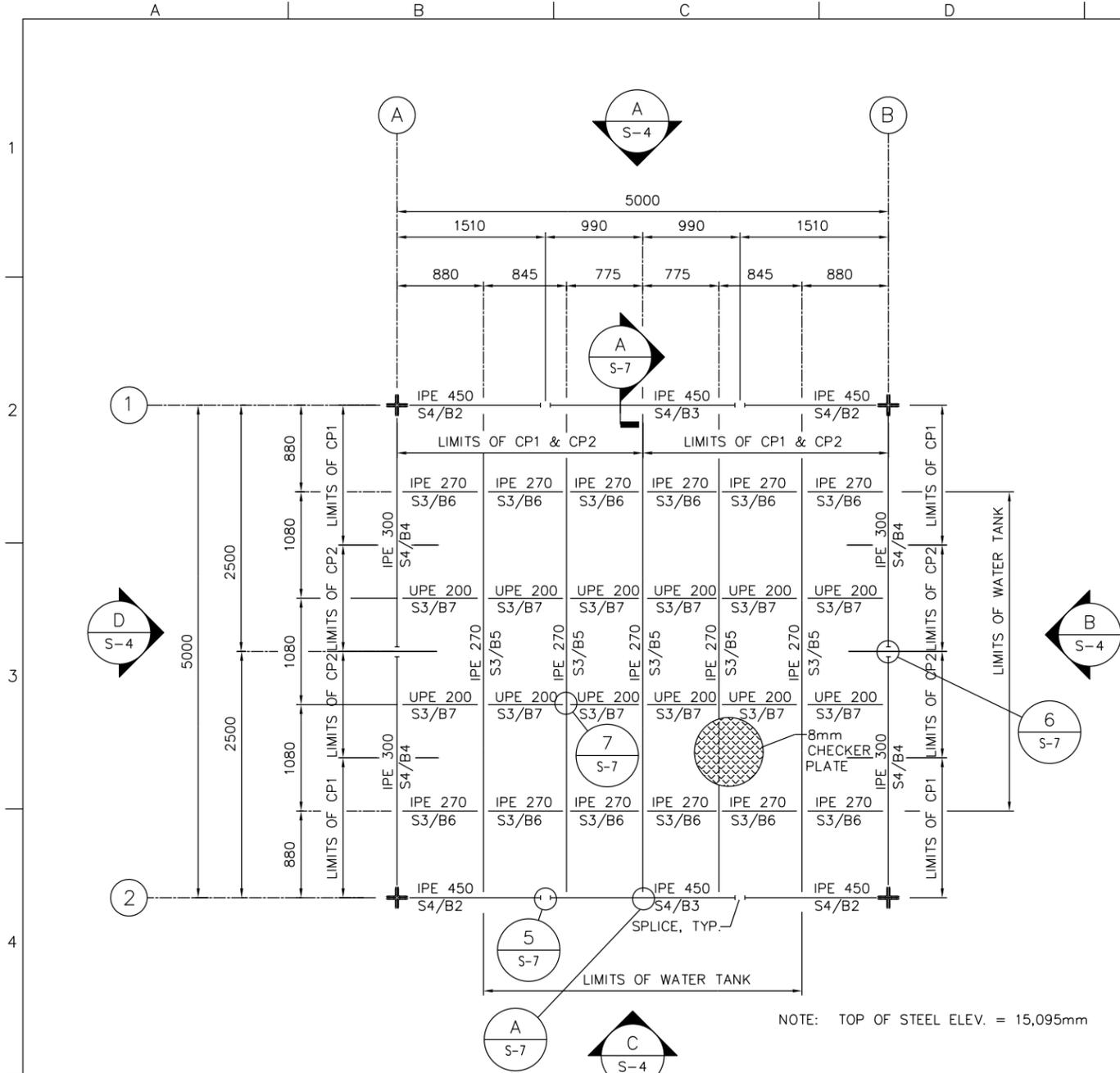
US Army Corps of Engineers
Mobile District

Symbol No	Description	Date	Approved

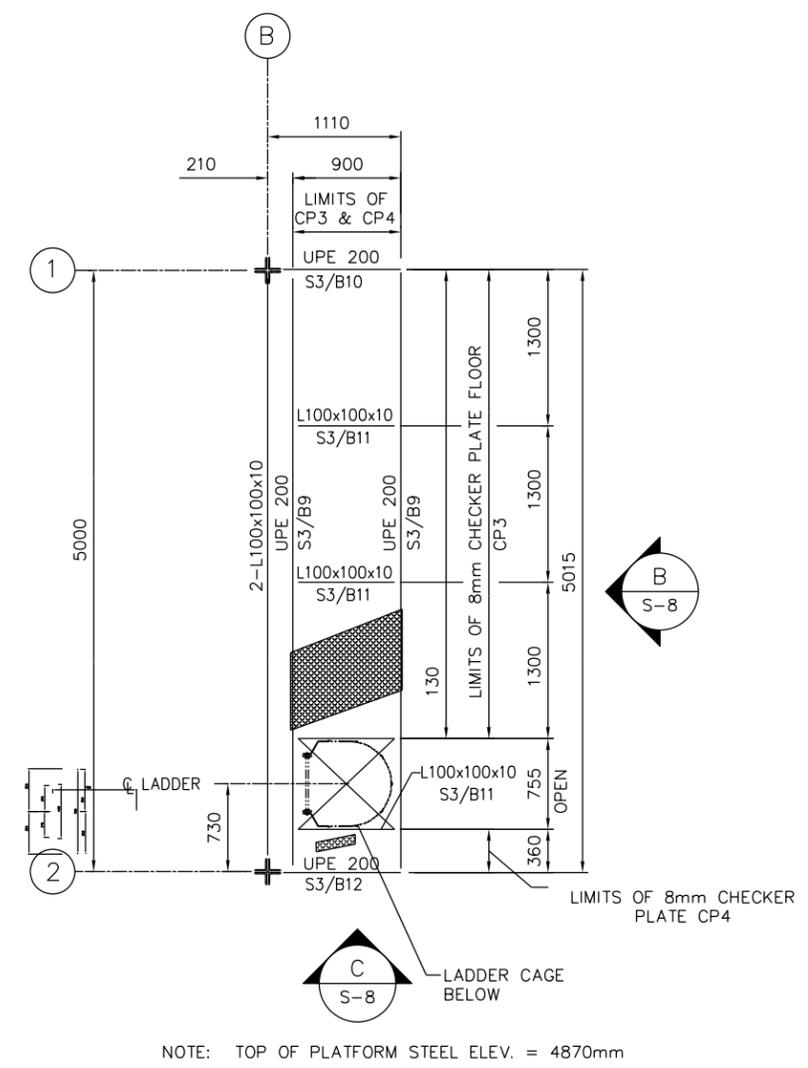
Designed By:	Date: 17 DECEMBER 2009
Drawn By:	Contract No:
Checked By:	CADD CODE: M010TG17
Reviewed By:	Solicitation Number:
SIZE: 559x864mm	FILENAME:

AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
PLATFORM & CATWALK
FRAMING PLAN

SHEET IDENTIFICATION
S-3



PLATFORM FRAMING PLAN
1:30



STAIR LANDING FRAMING PLAN
1:30

CHECKER PLATE NOTES

PLATFORM

1. PLATFORM CHECKER PLATE SHALL BE INSTALLED IN SIX (6) SEPARATE PIECES; FOUR (4) EACH CP1'S AND TWO (2) EACH CP2'S.
2. PLATES WILL BE ATTACHED WITH $\phi 12$ BOLTS TO THE SUPPORTING MEMBERS AT A MAXIMUM SPACING IF 700mm AROUND PERIMETER BEAMS AND WALKWAY AREA. COORDINATE BOLT LOCATION AND INTERFERENCE WITH WATER TANK ON BOLTS UNDER THE WATER TANK.
3. CUT OUT PLATES AROUND BEAM SPLICE PLATES WHERE NECESSARY.

LANDING

4. LANDING CHECKER PLATE SHALL BE INSTALLED IN TWO (2) SEPARATE PIECES; ONE (1) EACH CP3 AND ONE (1) EACH CP4.
5. PLATES WILL BE ATTACHED WITH $\phi 12$ BOLTS TO THE SUPPORTING MEMBERS AT A MAXIMUM SPACING IF 700mm AROUND PERIMETER BEAMS.

CHECKER PLATE DIMENSIONS:

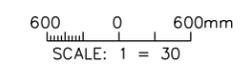
- CP1 - 2470mm x 1390mm
- CP2 - 2470mm x 1080mm
- CP3 - 3885mm x 895mm
- CP4 - 355mm x 895mm

LEGEND:

- CPX - 8mm CHECKER PLATE NUMBER
- SX/XX - MEMBER MARK NUMBER

NOTES:

1. PLAN DIMENSIONS ON IPE SHAPES ARE MEASURED TO THE CENTERLINE MEMBERS. PLAN DIMENSIONS ON UPE AND L SHAPES ARE MEASURED TO THE OUTSIDE OF THE VERTICAL FACE OF THE WEB OR LEG.



UNLESS NOTED OTHERWISE, LINEAR DIMENSIONS ARE IN MILLIMETERS.



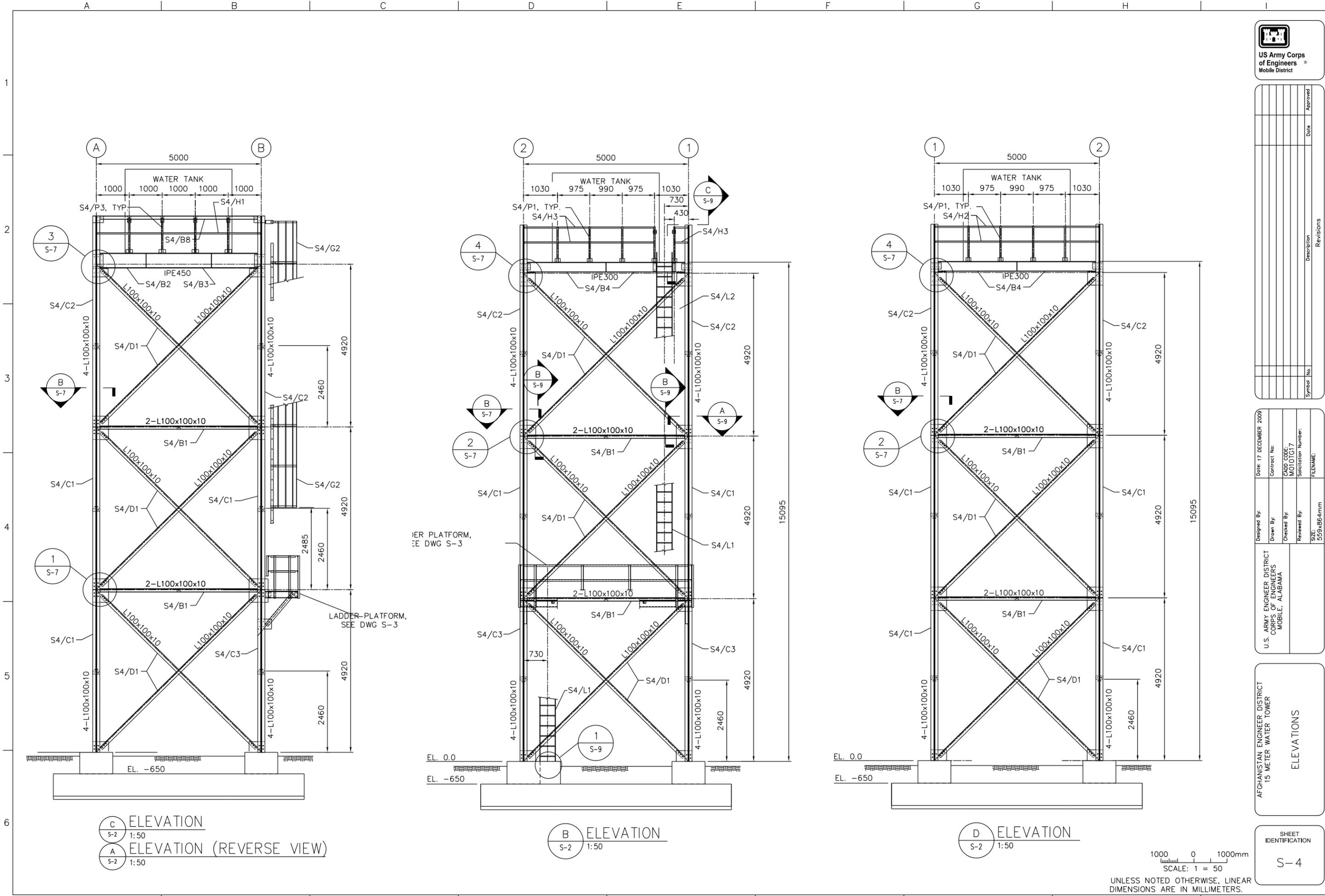
US Army Corps
of Engineers
Mobile District

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Designed By:	Date: 17 DECEMBER 2009
Drawn By:	Contract No:
Checked By:	CADD CODE: MO10TC17
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AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
MOBILE, ALABAMA

ELEVATIONS
SHEET IDENTIFICATION
S-4



C ELEVATION
S-2 1:50
A ELEVATION (REVERSE VIEW)
S-2 1:50

B ELEVATION
S-2 1:50

D ELEVATION
S-2 1:50

1000 0 1000mm
SCALE: 1 = 50

UNLESS NOTED OTHERWISE, LINEAR DIMENSIONS ARE IN MILLIMETERS.



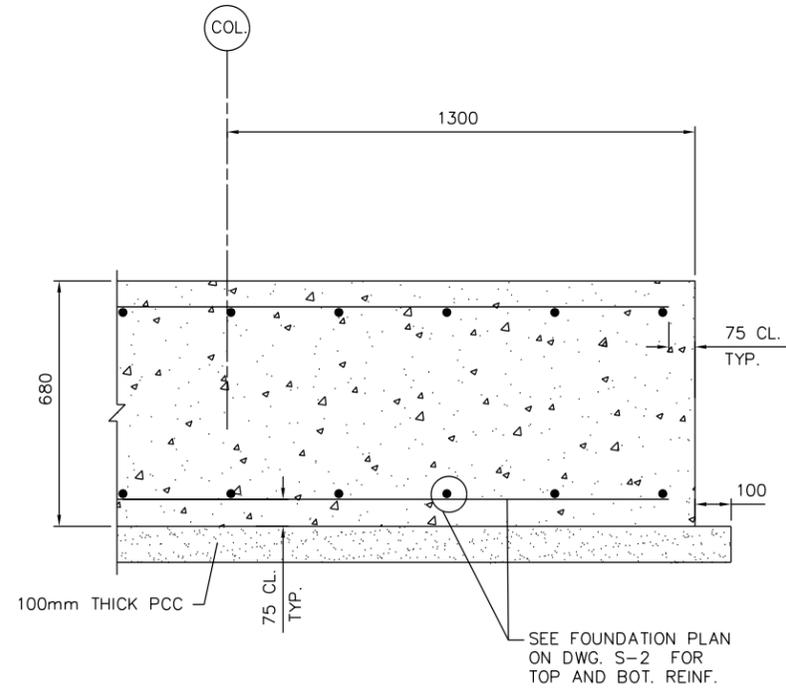
US Army Corps of Engineers
Mobile District

Symbol No.	Description	Date	Approved

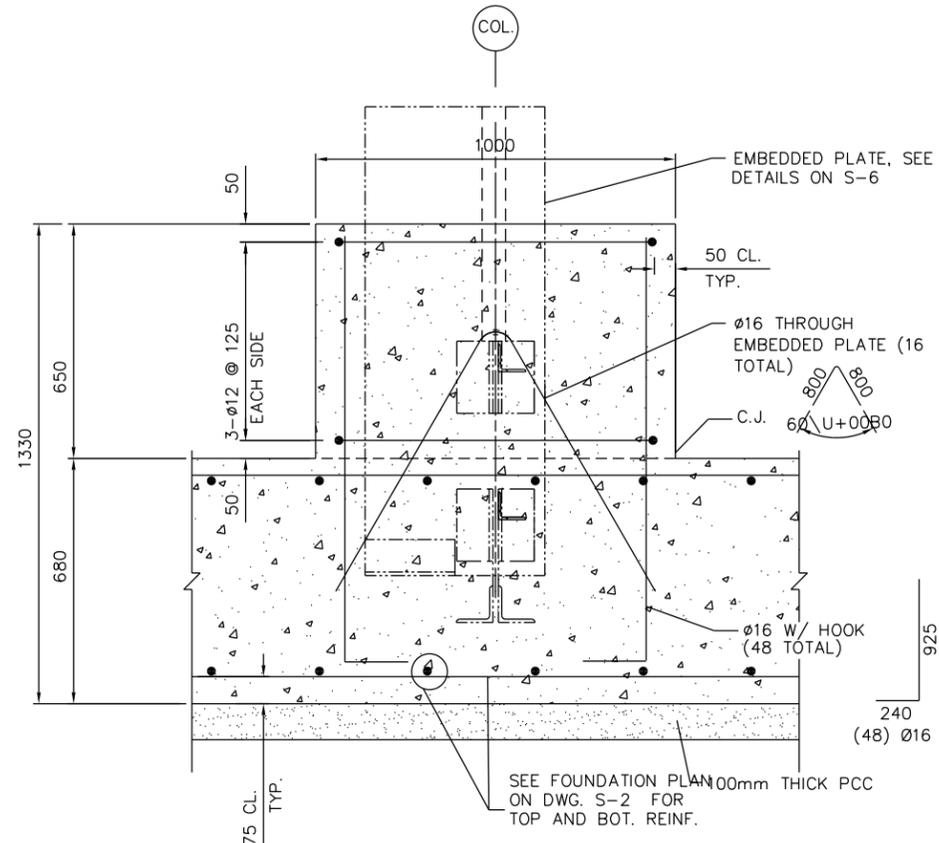
Date: 17 DECEMBER 2009	Contract No.	CADD CODE: M010TG17	Solicitation Number:	FILENAME:
Designed By:	Drawn By:	Checked By:	Reviewed By:	SIZE: 559x864mm
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS MOBILE, ALABAMA				

AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
FOUNDATION SECTIONS

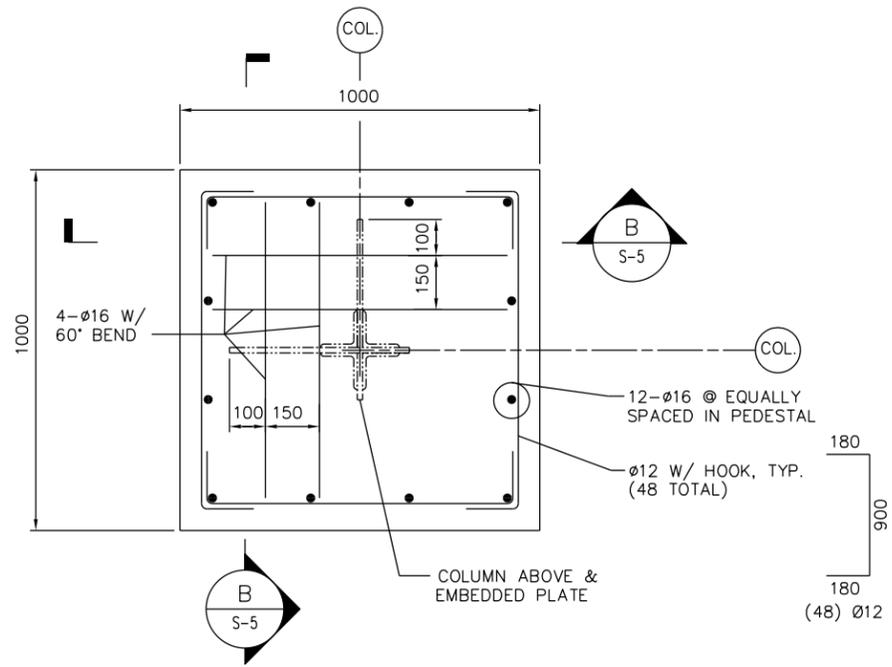
SHEET IDENTIFICATION
S-5



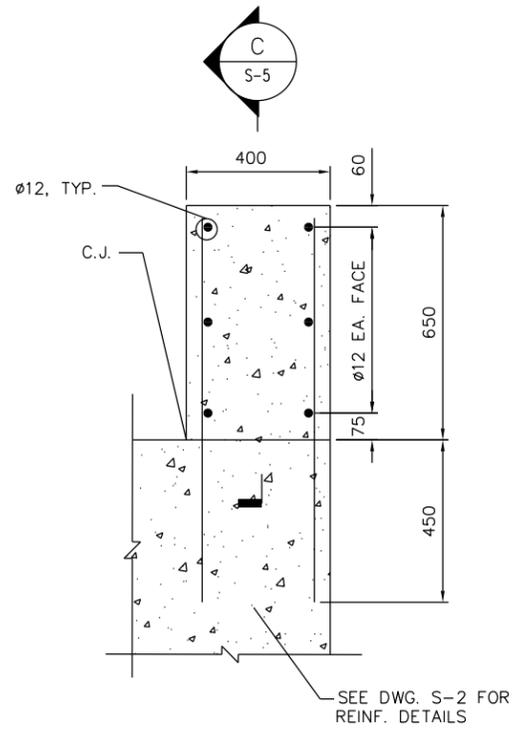
SECTION A
1:10
S-2



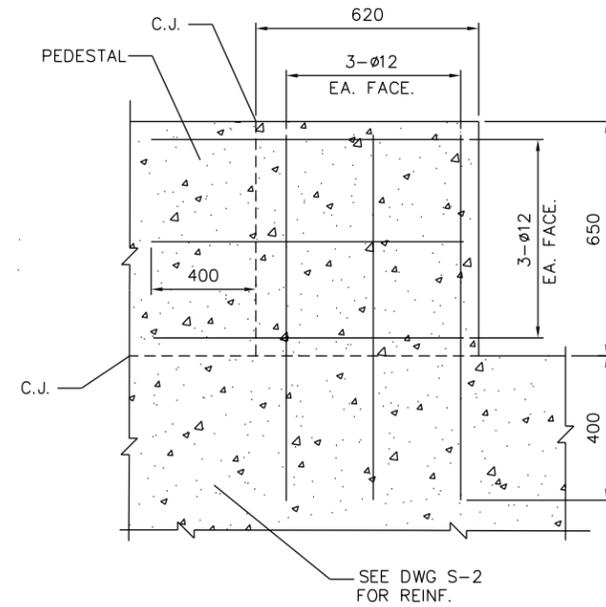
SECTION B
1:10
S-2
S-5



DETAIL 1
1:10
S-2

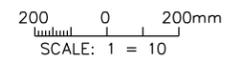


DETAIL 2
1:10
S-2

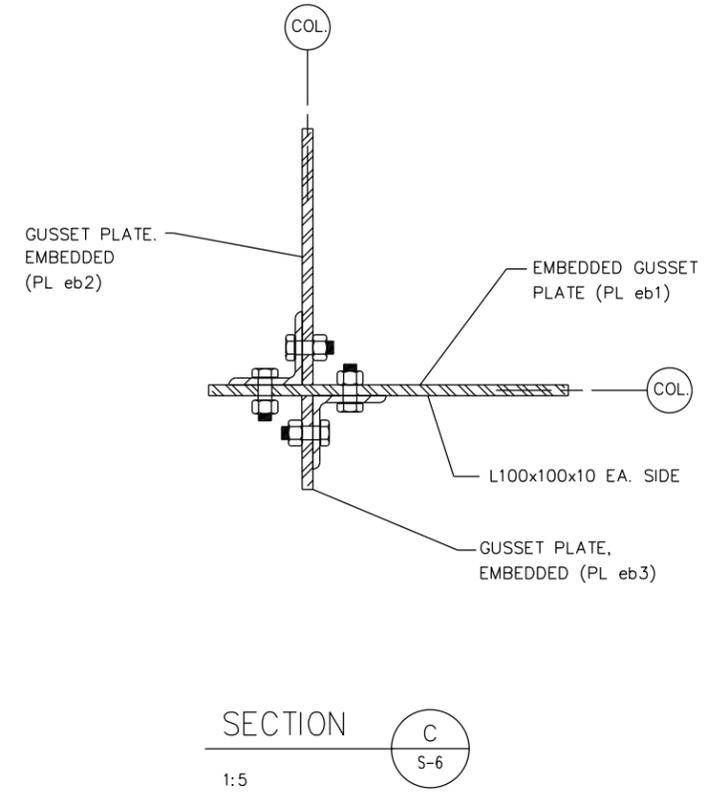
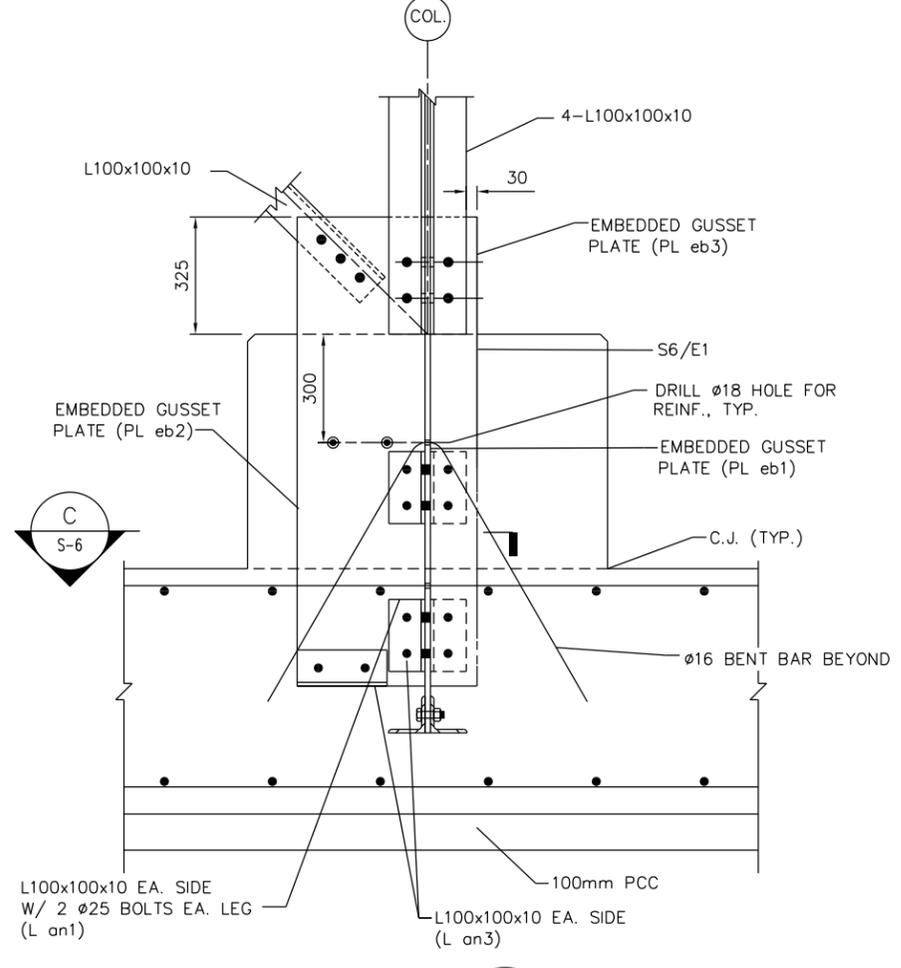
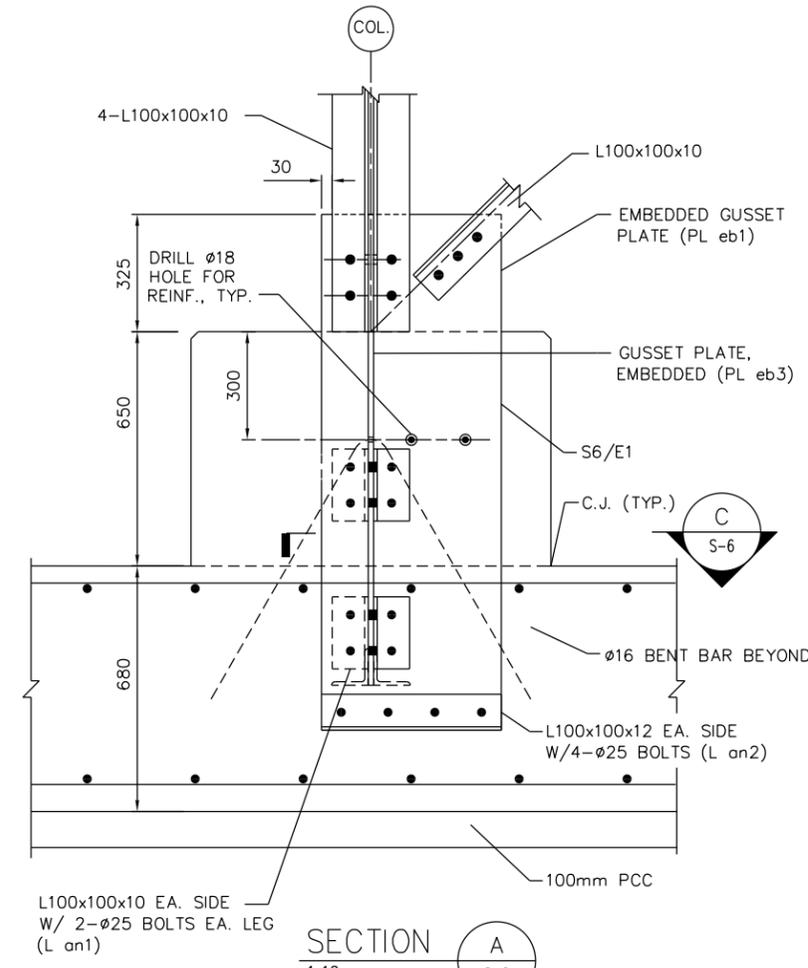


SECTION C
1:10
S-5

NOTE: SEPARATE CONCRETE PLACEMENT.
SEE DETAIL 1/S-4 FOR ANCHOR BOLT REQUIREMENTS.



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AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
FOUNDATION STEEL
FRAMING SECTIONS

SHEET IDENTIFICATION
S-6

UNLESS NOTED OTHERWISE, LINEAR DIMENSIONS ARE IN MILLIMETERS.



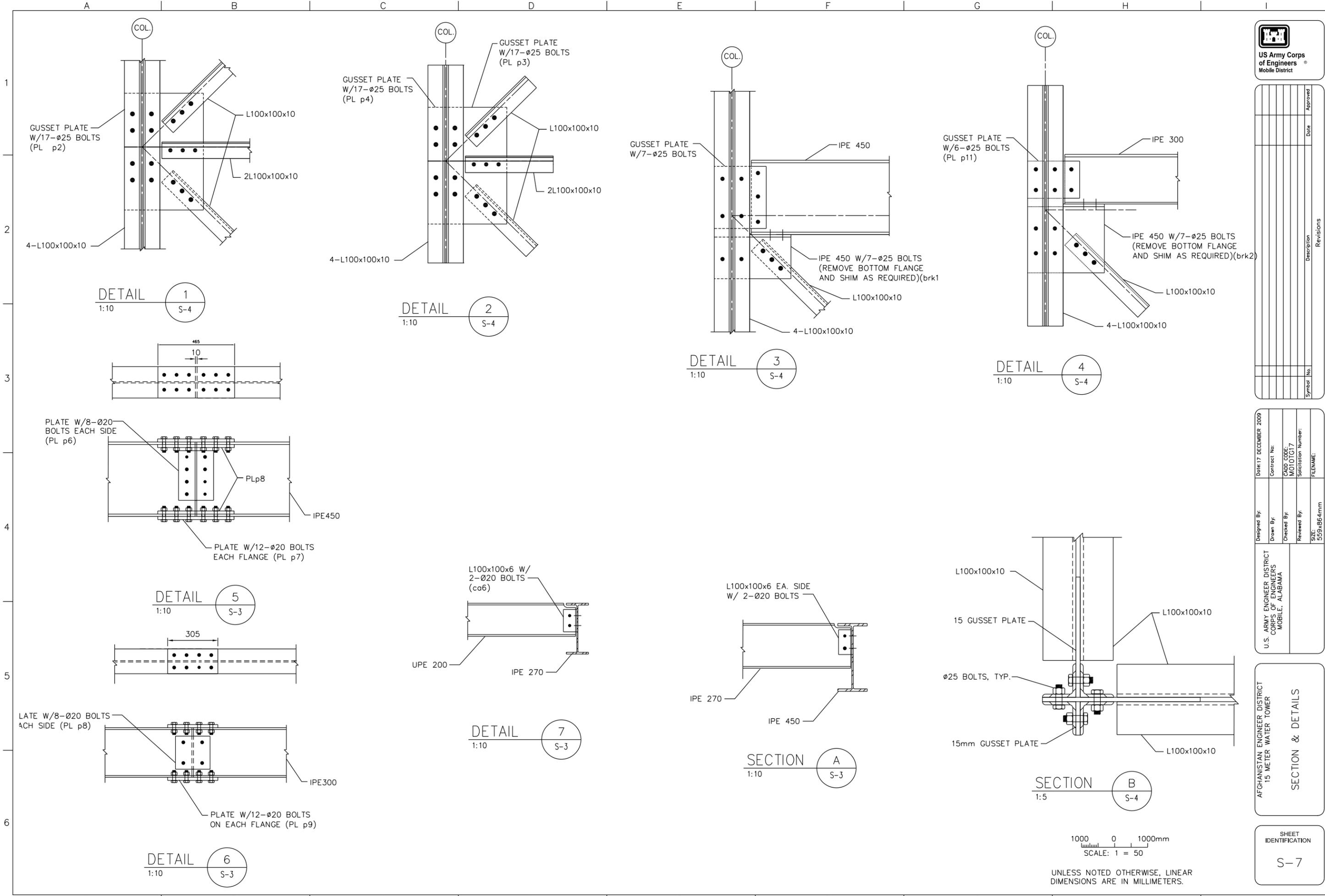
US Army Corps of Engineers
Mobile District

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SIZE: 559x864mm	FILENAME:

AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
SECTION & DETAILS

SHEET IDENTIFICATION
S-7





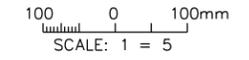
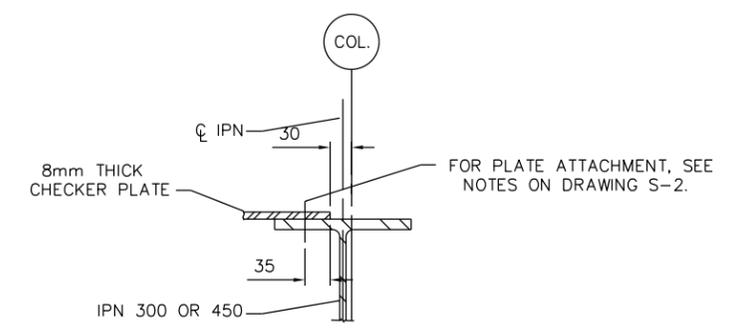
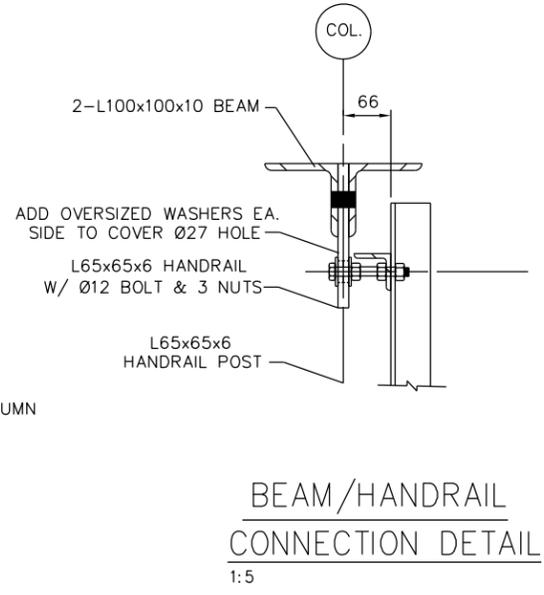
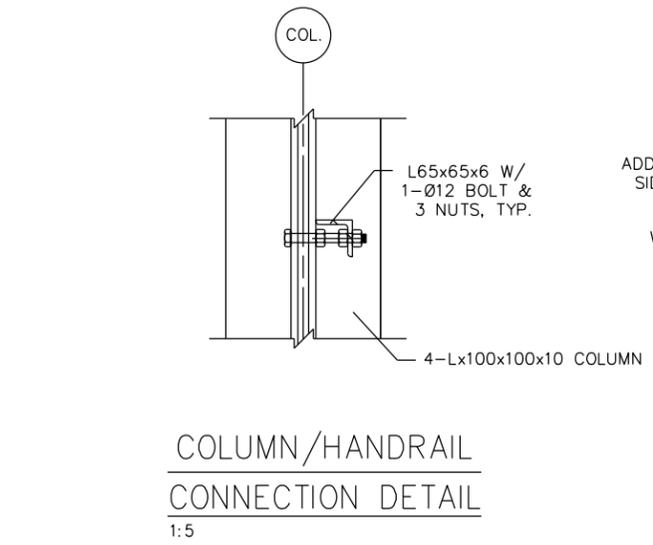
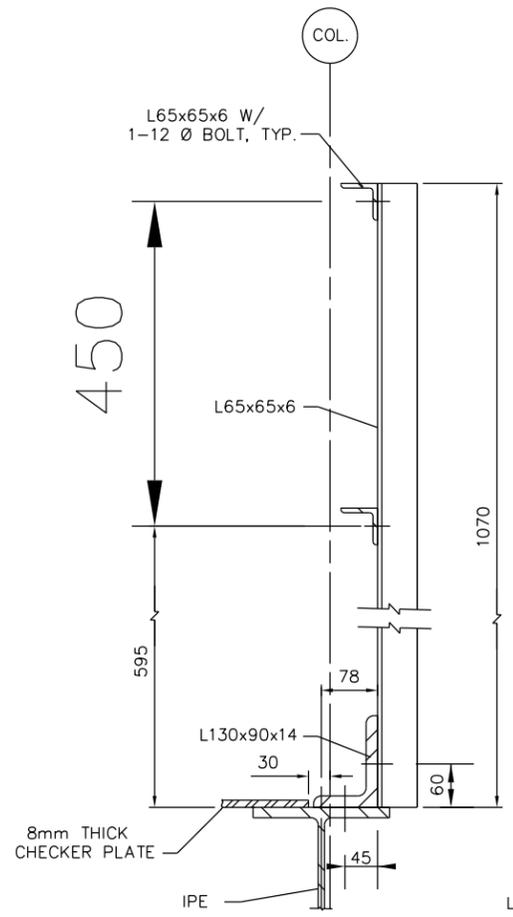
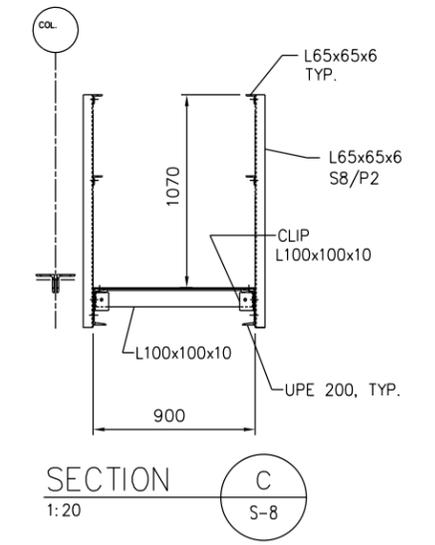
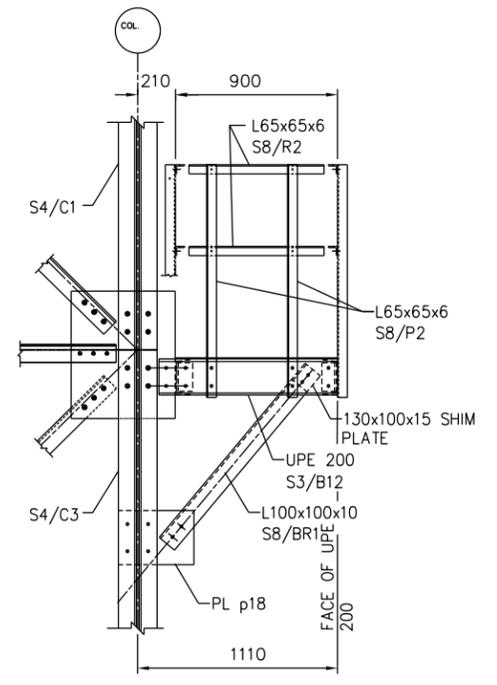
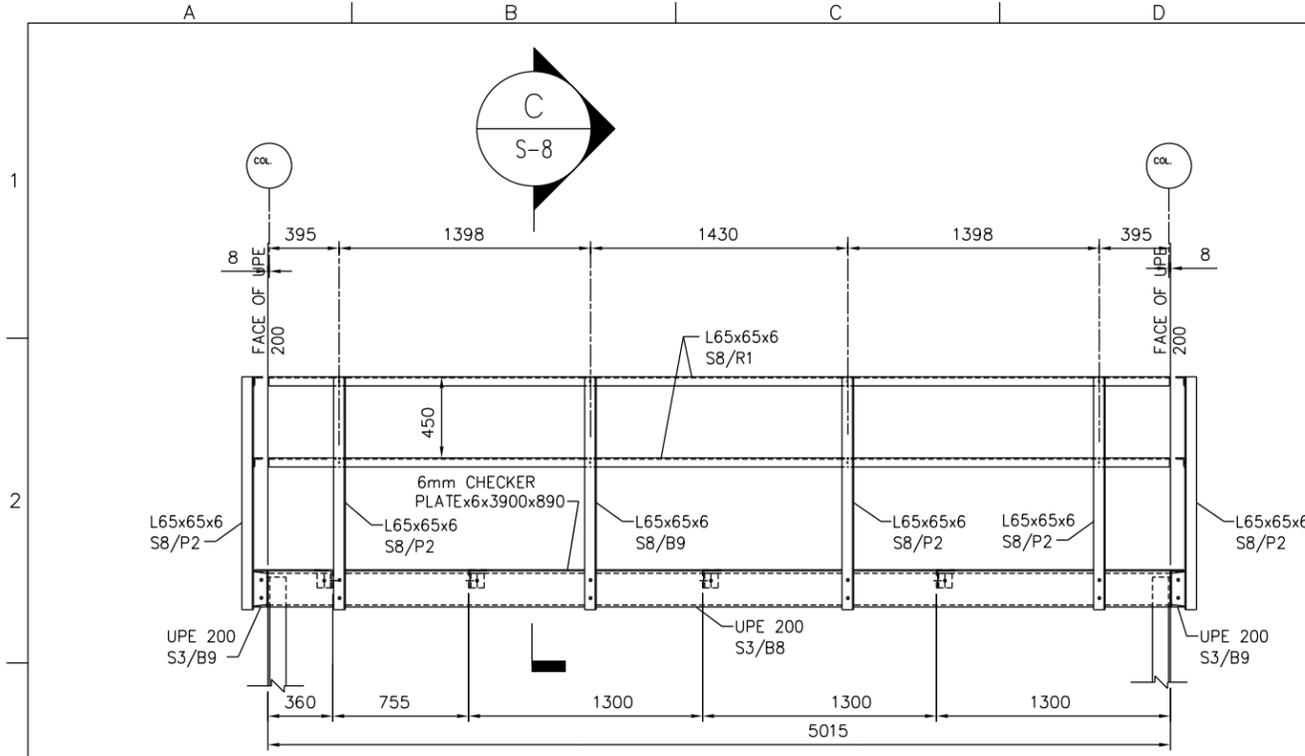
US Army Corps of Engineers
Mobile District

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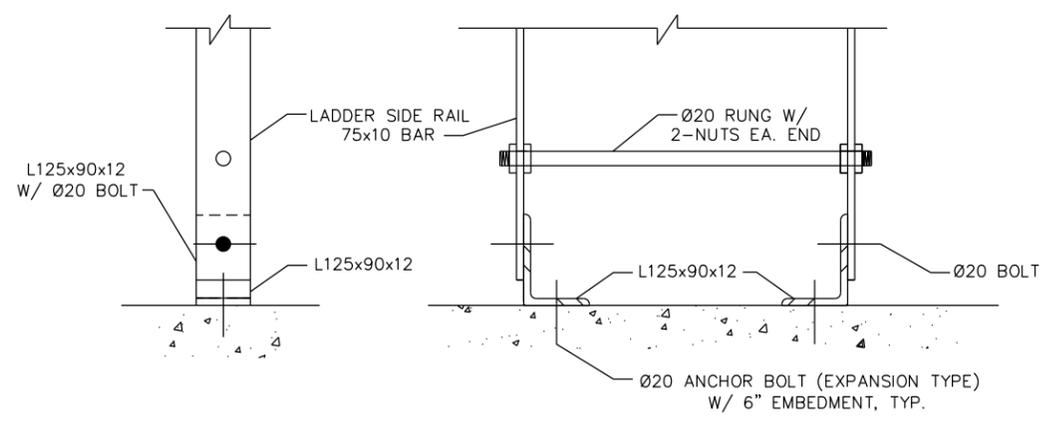
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AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
SECTIONS & DETAILS

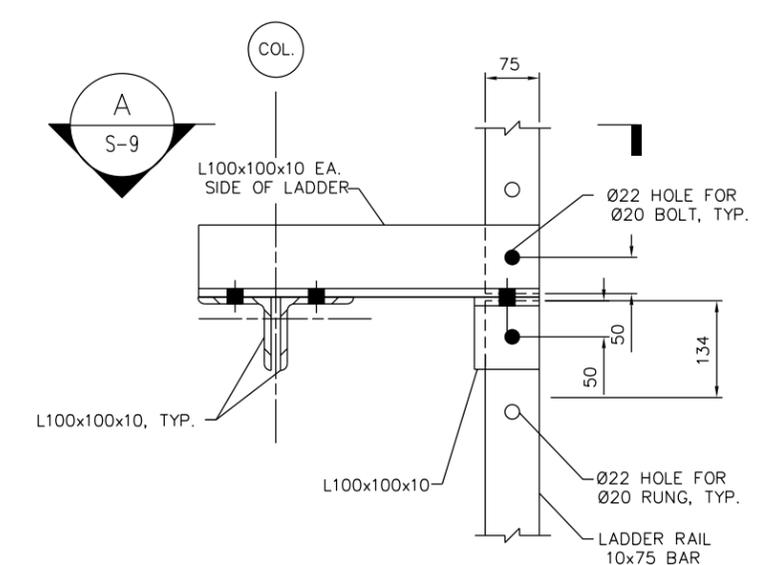
SHEET IDENTIFICATION
S-8



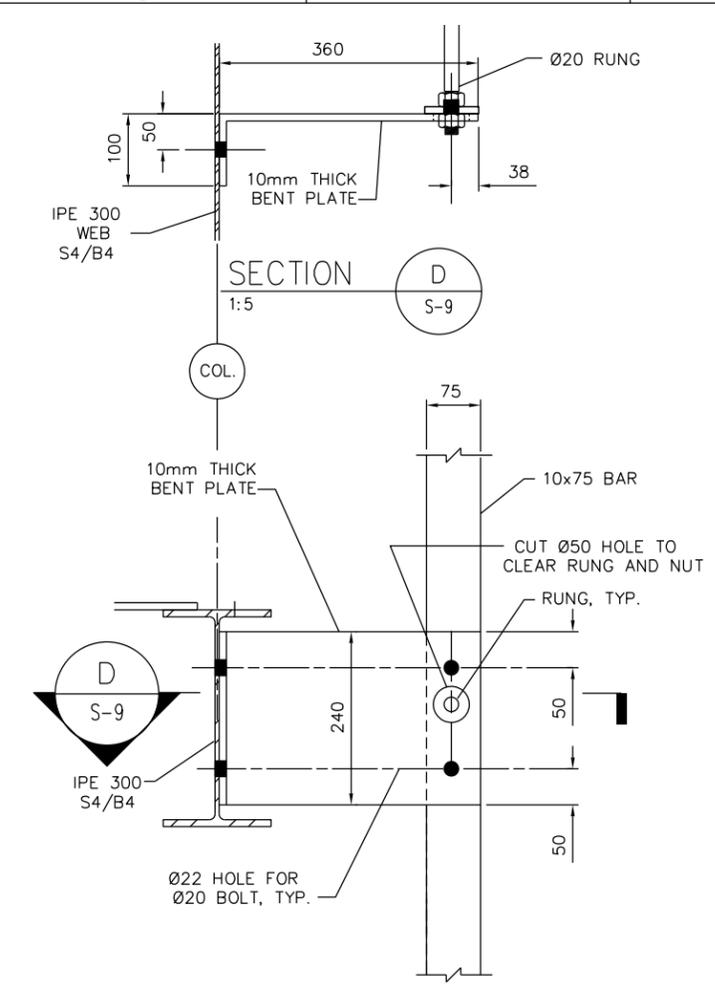
UNLESS NOTED OTHERWISE, LINEAR DIMENSIONS ARE IN MILLIMETERS.



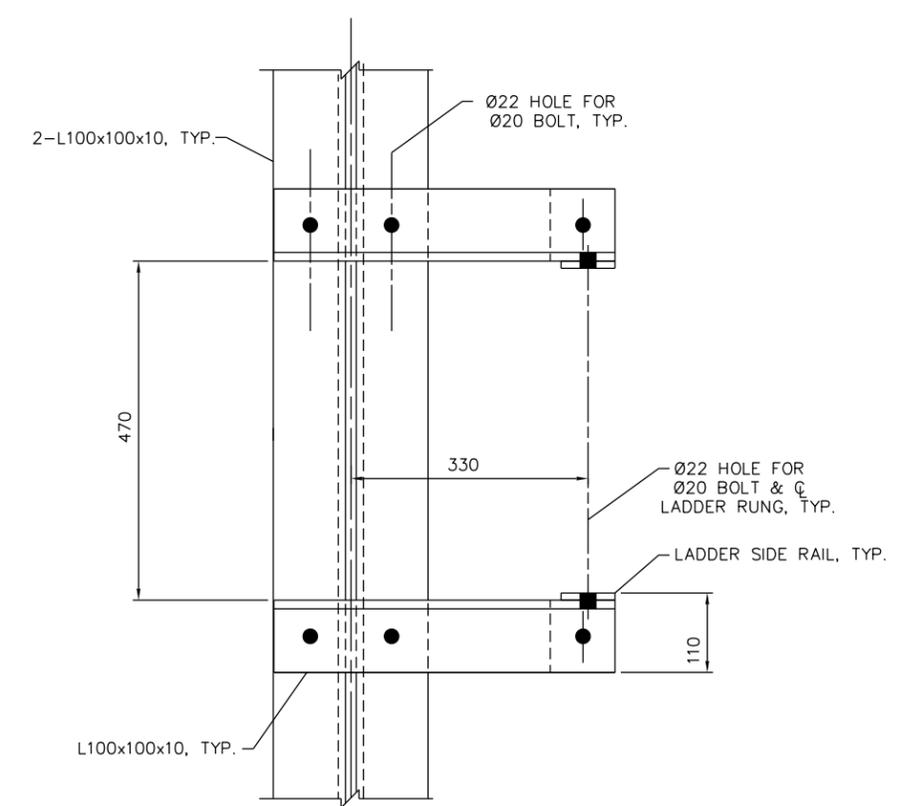
DETAIL 1
1:5



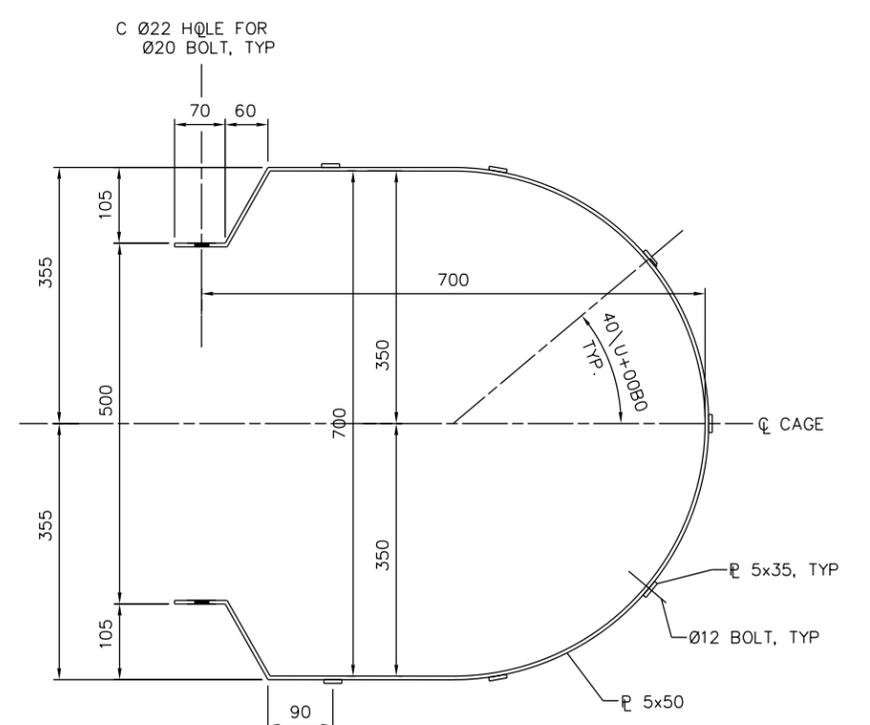
SECTION B
1:5



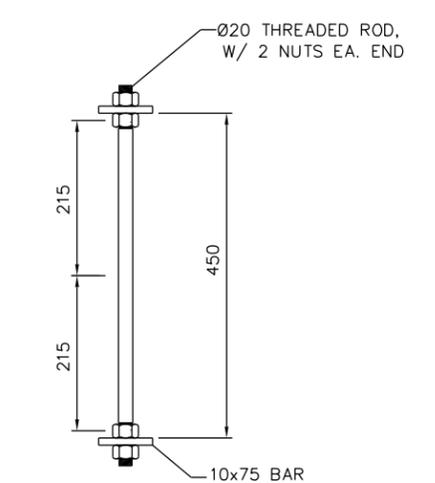
SECTION C
1:5



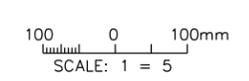
SECTION A
1:5



LADDER CAGE DETAIL
1:5



LADDER RUNG & SIDE RAIL
1:5



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US Army Corps of Engineers
Mobile District

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AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MOBILE, ALABAMA

SECTIONS & DETAILS

SHEET IDENTIFICATION
S-9



US Army Corps
of Engineers
Mobile District

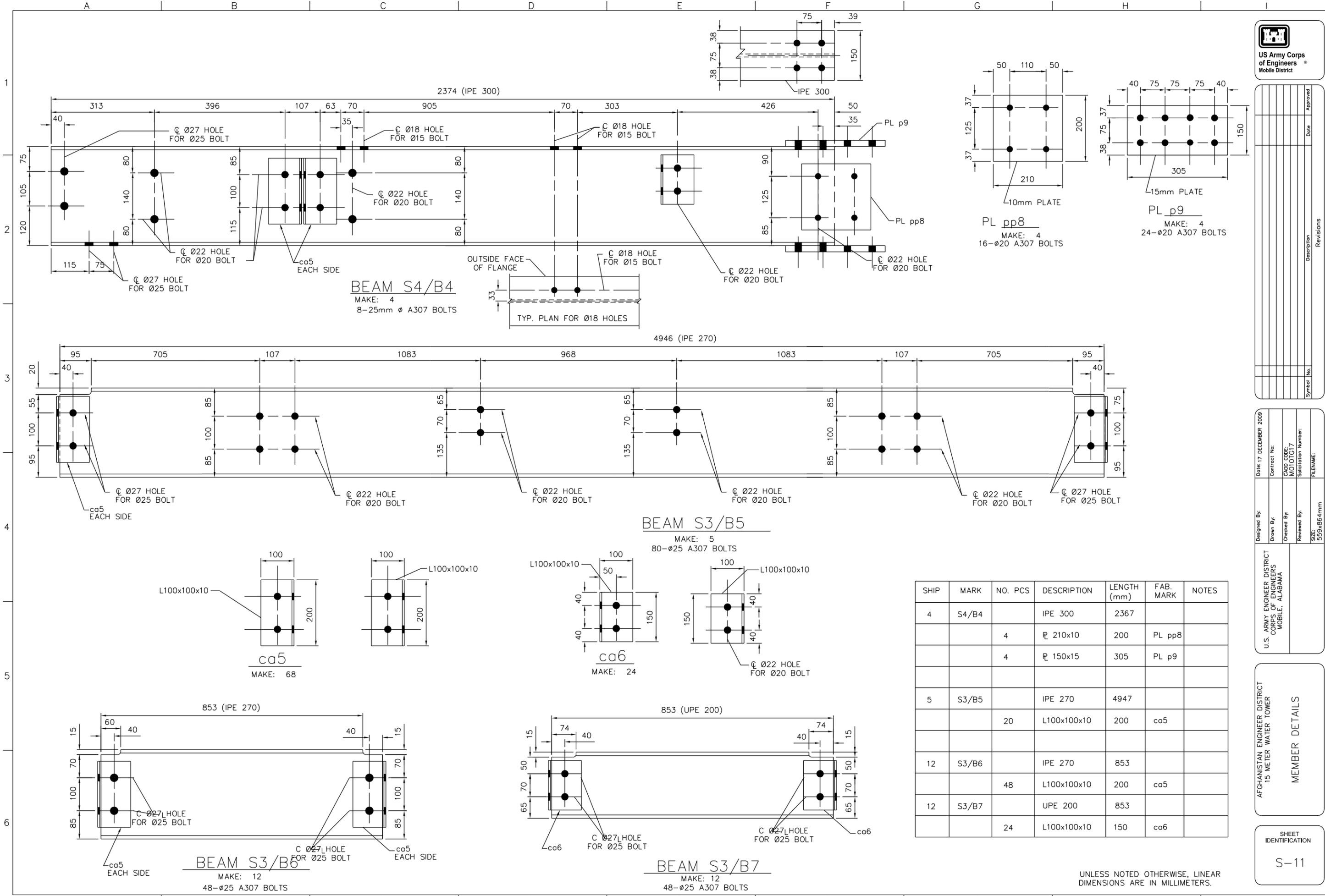
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SIZE: 559x864mm	FILENAME:

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MOBILE, ALABAMA

AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
MEMBER DETAILS

SHEET IDENTIFICATION
S-11





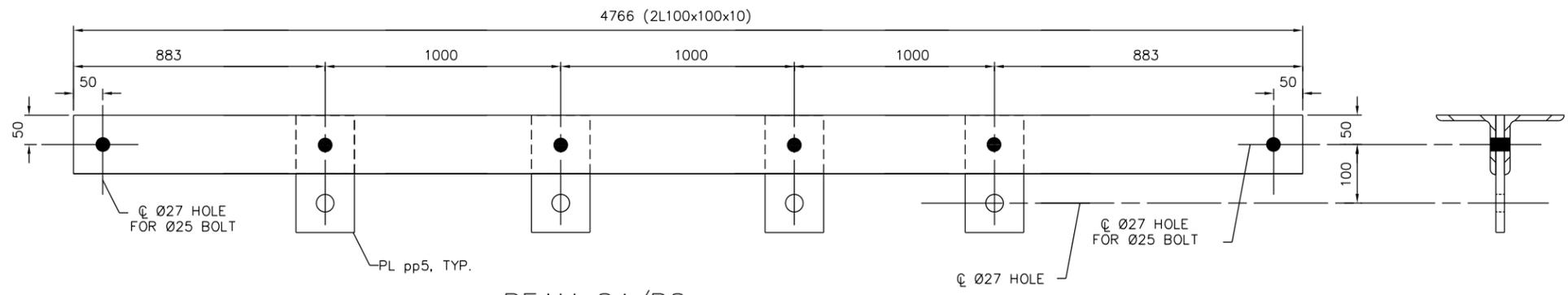
US Army Corps
of Engineers
Mobile District

Symbol No	Description	Date	Approved

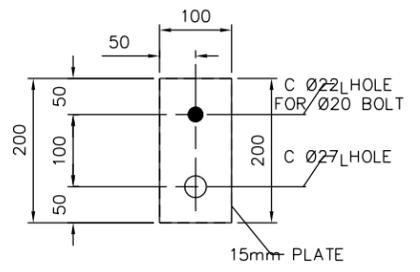
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SIZE: 559x864mm	FILENAME:

AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
MEMBER DETAILS

SHEET IDENTIFICATION
S-12



BEAM S4/B8
MAKE: 2
4-Ø25 A307 BOLTS



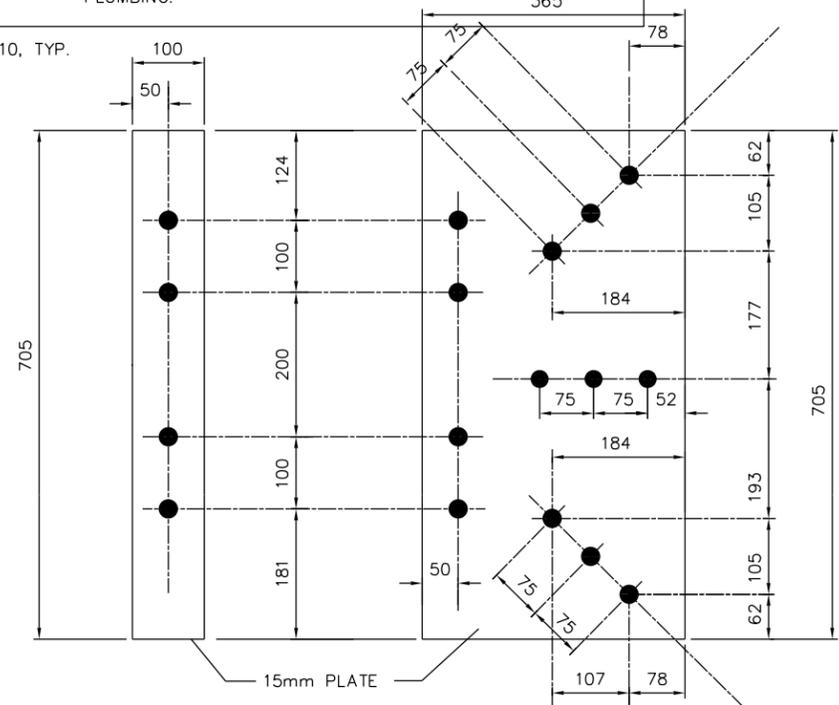
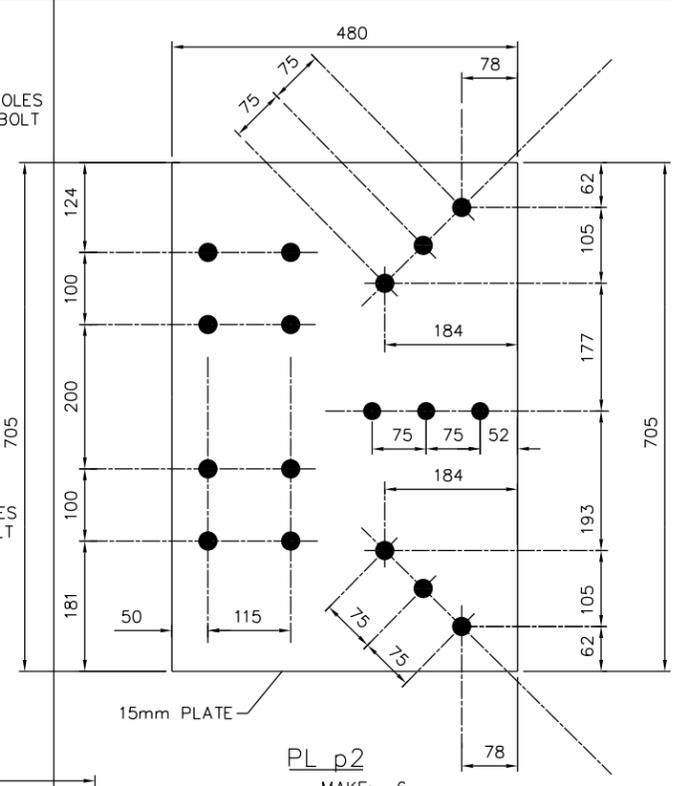
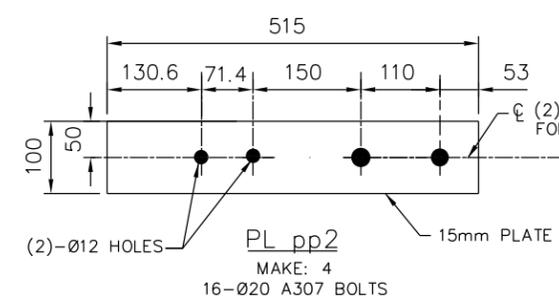
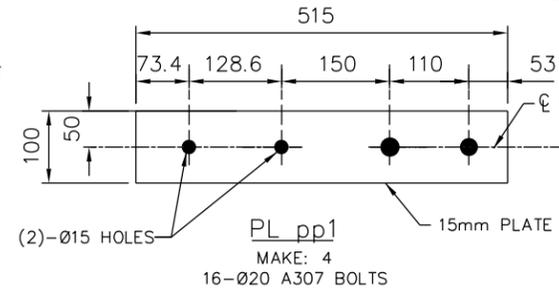
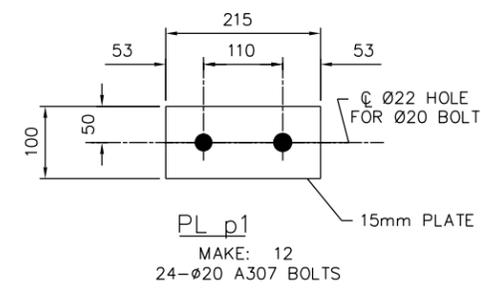
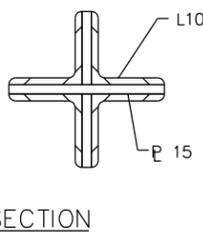
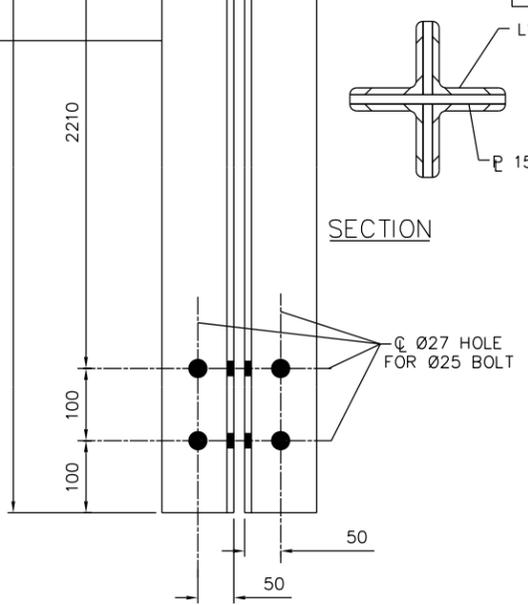
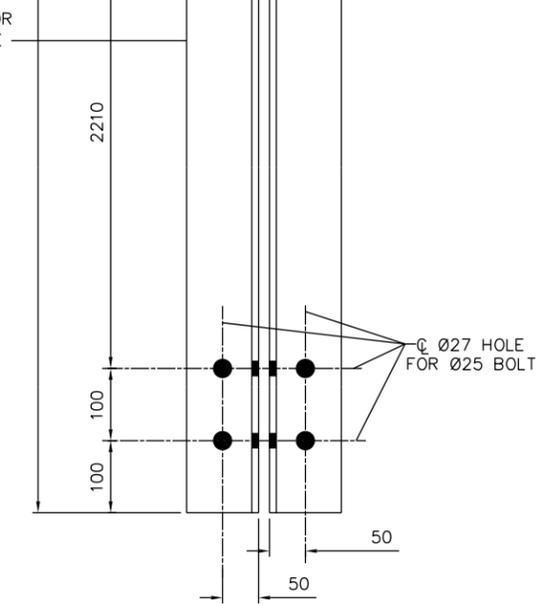
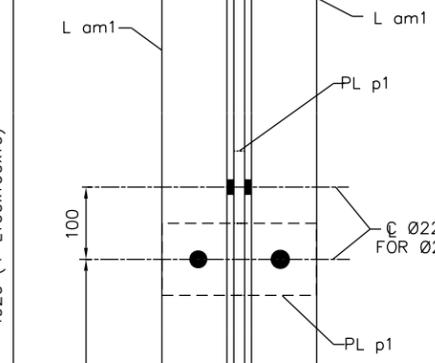
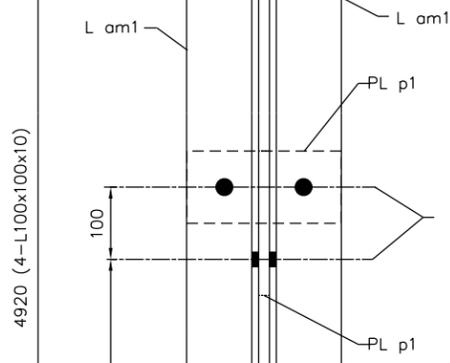
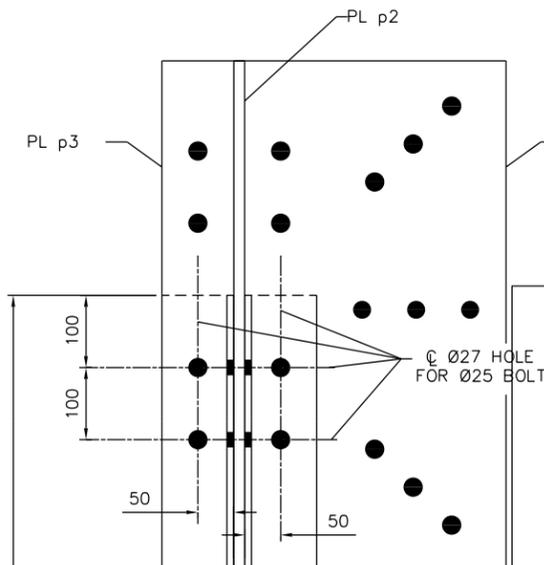
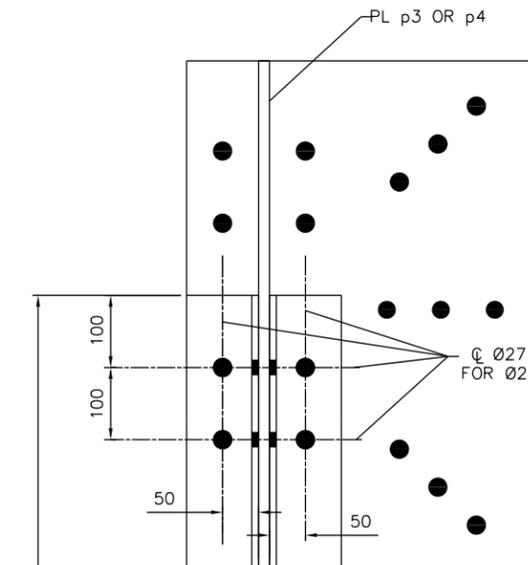
PL pp5
MAKE: 8
8-Ø20 A307 BOLTS

SHIP	MARK	NO. PCS	DESCRIPTION	LENGTH (mm)	FAB. MARK	NOTES
4	S4/B8		2L100x100x10	4766		
		4	PL 15x100	200	PL pp5	

UNLESS NOTED OTHERWISE, LINEAR DIMENSIONS ARE IN MILLIMETERS.

A B C D E F G H

1
2
3
4
5
6



SHIP	MARK	NO. PCS	DESCRIPTION	LENGTH (mm)	FAB. MARK	WEIGHT	NOTES
6	S4/C1		4-L100x100x10	4920			
		24	L100x100x10	4920	L am1		
		12	PL 100x15	215	PL p1		
		6	PL 480x15	705	PL p2		
		6	PL 100x15	705	PL p3		
		6	PL 365x15	705	PL p4		



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AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
MEMBER DETAILS

SHEET IDENTIFICATION
S-13

COLUMN S4/C1
MAKE: 6

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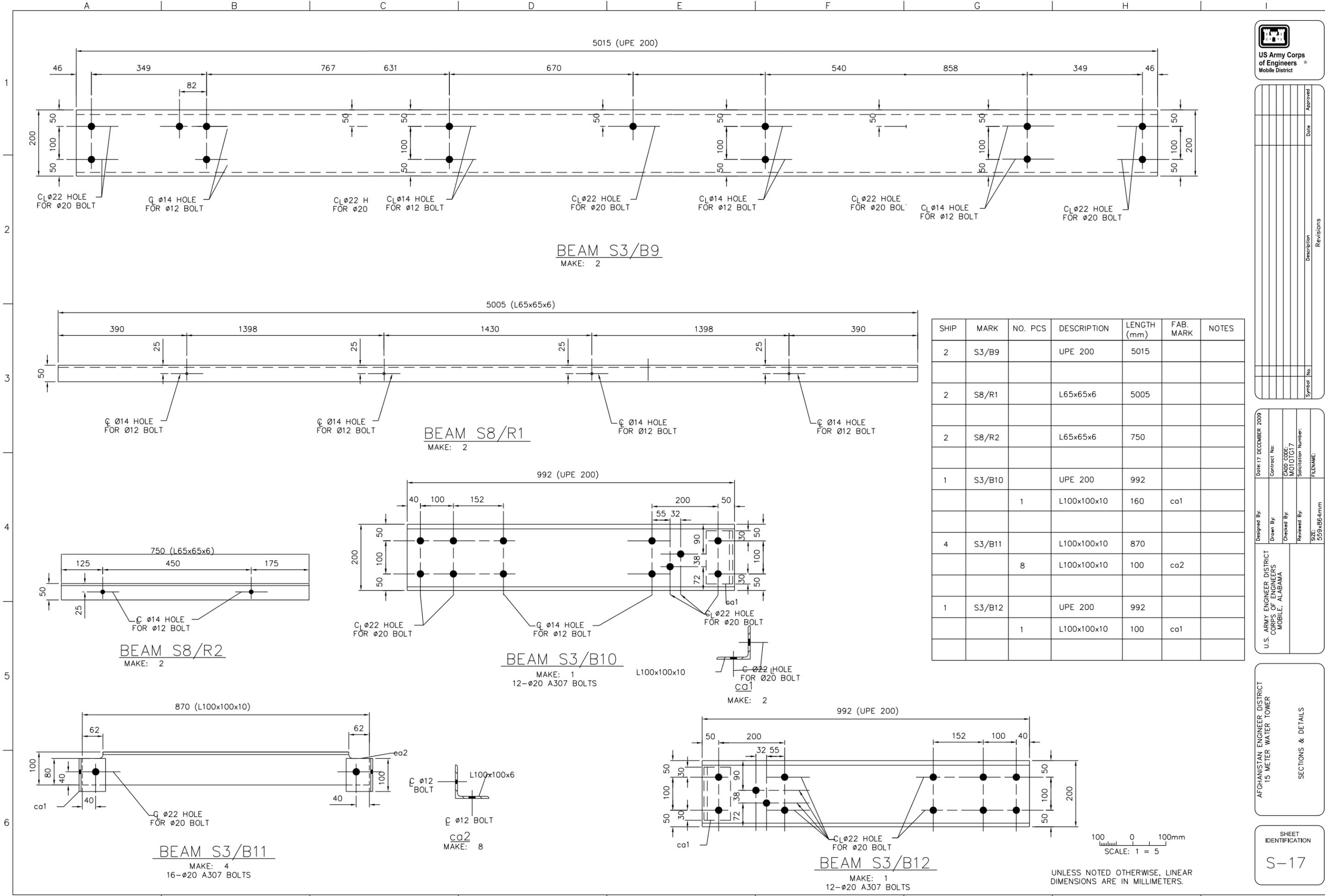
US Army Corps
of Engineers
Mobile District

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AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
SECTION & DETAILS

SHEET IDENTIFICATION
S-17



SHIP	MARK	NO.	PCS	DESCRIPTION	LENGTH (mm)	FAB. MARK	NOTES
2	S3/B9			UPE 200	5015		
2	S8/R1			L65x65x6	5005		
2	S8/R2			L65x65x6	750		
1	S3/B10			UPE 200	992		
		1		L100x100x10	160	ca1	
4	S3/B11			L100x100x10	870		
		8		L100x100x10	100	ca2	
1	S3/B12			UPE 200	992		
		1		L100x100x10	100	ca1	

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US Army Corps
of Engineers
Mobile District

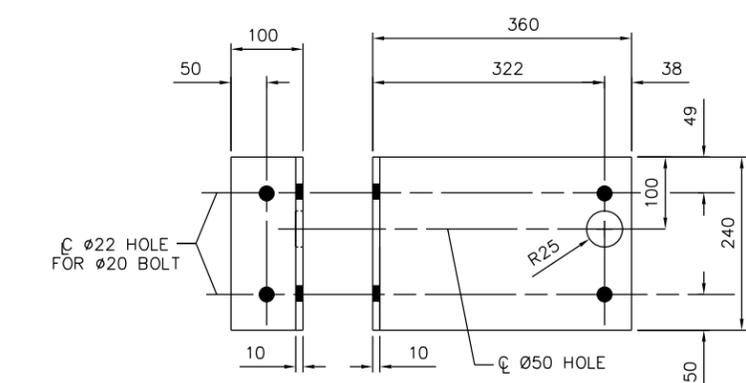
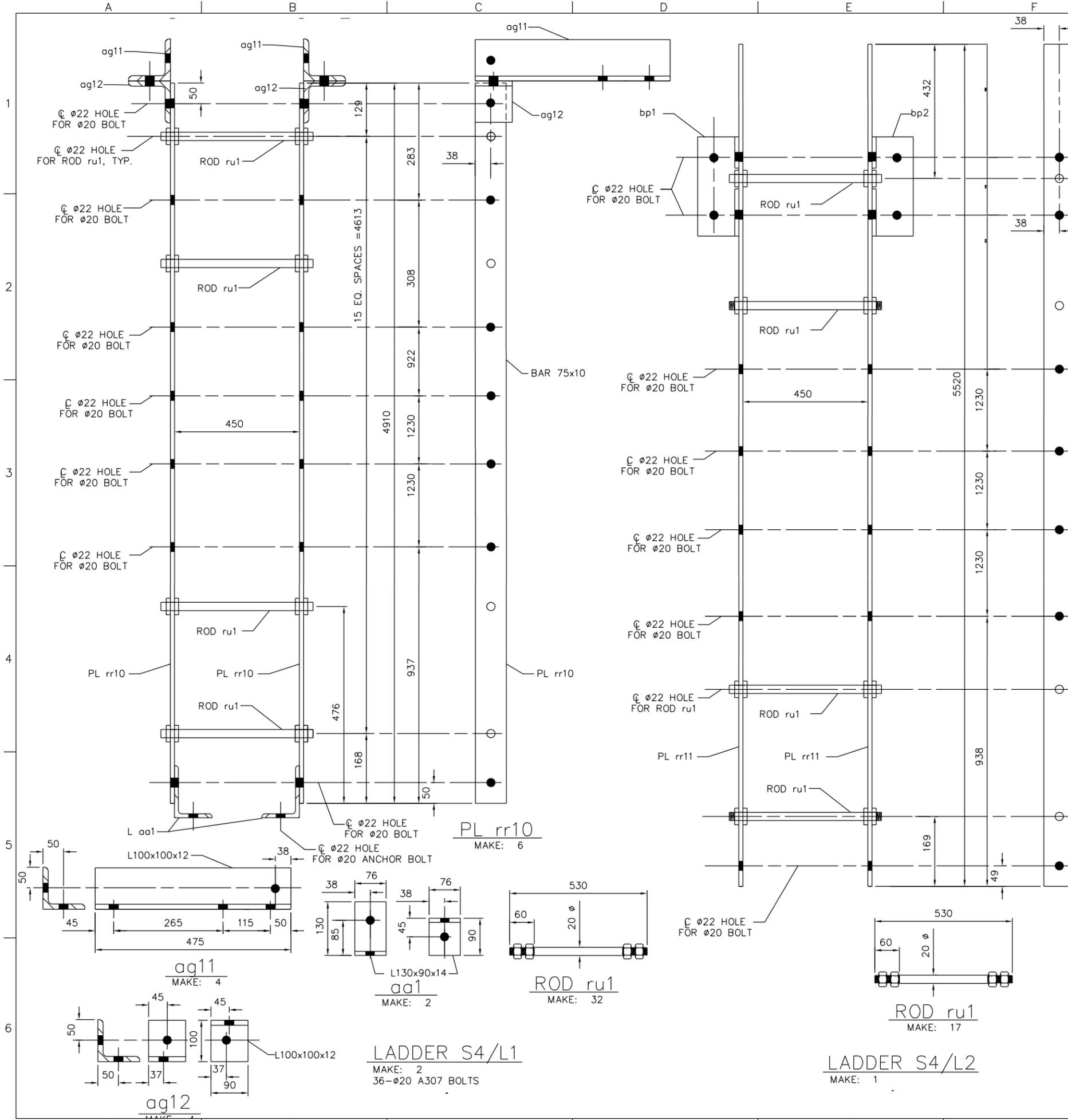
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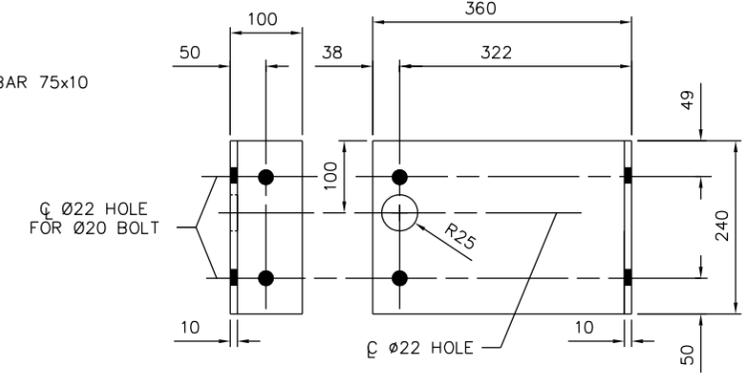
AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
MEMBER DETAILS

SHEET IDENTIFICATION

S-18



bp1
MAKE: 1



bp2
MAKE: 1

SHIP	MARK	NO.	PCS	DESCRIPTION	LENGTH (mm)	FAB. MARK	WEIGHT	NOTES
2	S4/L1			LADDER	4910			
		4		PL 10x75	4910	PL rr10		
		32		Ø20	530	ROD ru1		
		2		L130x90x14	75	aa1		
		4		L100x100x12	475	ag11		
		4		L100x10x12	76	ag12		
1	S4/L2			LADDER	4910			
		2		PL 10x75	5920	PL rr11		
		17		Ø20	530	ROD ru1		
		1		PL 10x460	240	bp1		
		1		PL 10x460	240	bp2		

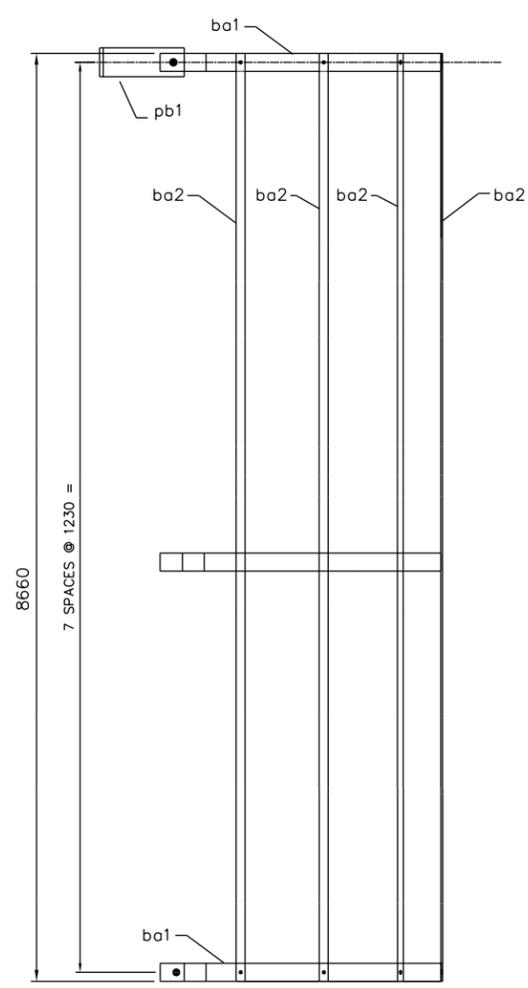
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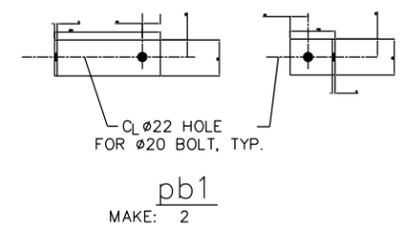
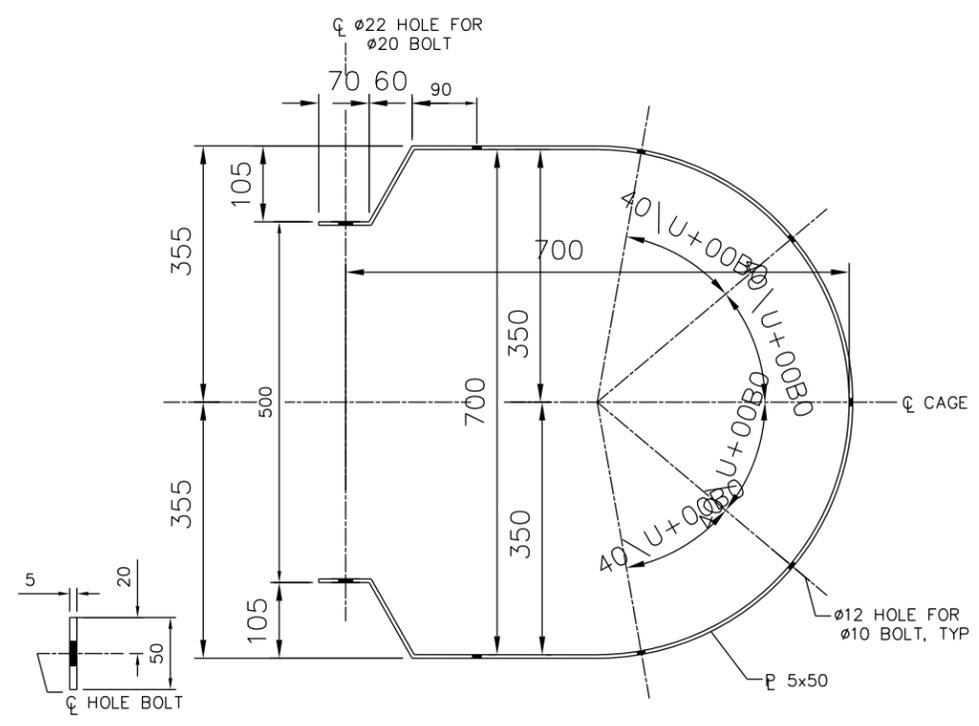
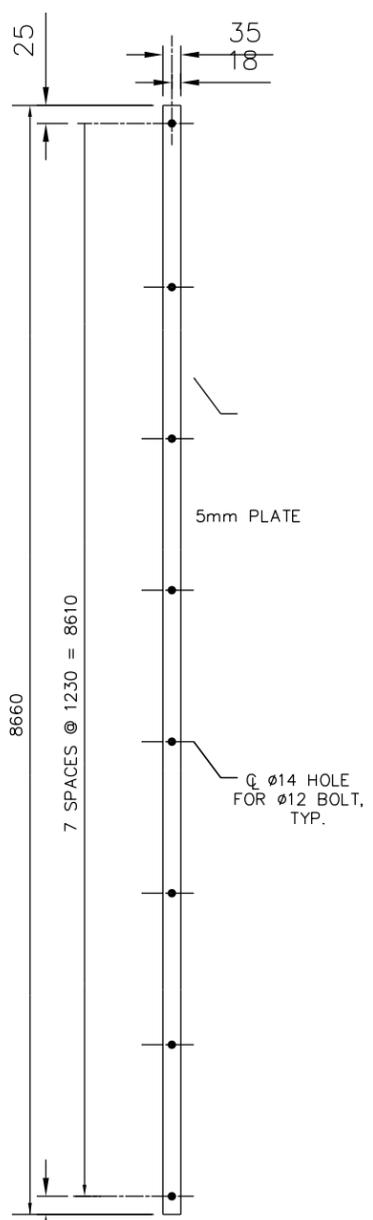
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AFGHANISTAN ENGINEER DISTRICT
15 METER WATER TOWER
MEMBER DETAILS

SHEET IDENTIFICATION
S-19



LADDER CAGE S4/G2
MAKE: 1



SHIP	MARK	NO. PCS	DESCRIPTION	LENGTH (mm)	FAB. MARK	WEIGHT	NOTES
1	S4/G2		LADDER CAGE	8660			
		8	P 5x50	1990	ba1		
		7	P 5x35	8660	ba2		
		2	P 6x80	335	pb1		

UNLESS NOTED OTHERWISE, LINEAR DIMENSIONS ARE IN MILLIMETERS.

