1. All Dimension in mm, except for elevation in m
2. Some demension in the drawing is estimation,need measurement on location to get actual dimension.
3. For dimension of pipe support or hanger follow actual dimension on location
4. Dimension of elevation measured from bottom of outside diameter pipe to ground
5. For spacing between pipe support follow as below :
   - 5.1. 1-1/2 inch = 2,7m
   - 5.2. 3 inch = 3,7m
   - 5.3. 4 inch = 4,3m
   - 5.4. 5 inch = 4,9m
   - 5.5. 8 inch = 5,8m
   - 5.6. 10 inch = 6,7m (in case pipe at boiler, the space between support follow space between column boiler building)
   - 5.7. 16 inch = 8,2m
6. After installation the pipe must be hydrotest with pressure 1 MPa (holding time 30 Minute)
7. Welding pipe & support with SMAW and use electrode LB52
8. Before weld, the pipe must be beveling as per standard requirement
9. Passing grade welding by penetrant test. Inspection test plane with 100% visual, 80% PT Test.
10. Painting :
   - 10.1. Surface preparation by wire brush/power tools
   - 10.2. Cleaning pipe from dust,grease or other dirt before painting aplication
   - 10.3. Painting use compressed air
   - 10.4. Layer of painting
   - — Layer 1: JOTUN BARRIER 77 (DFT=60±10 Micron)
   - — Layer 2: JOTUN PENGUARD EXPRESS MIO (DFT=80±10 Micron)
   - — Layer 3: JOTUN HARDTOP XP, RAL 6018 (DFT=80±10 Micron)
11. Concrete Spesification
   - 11.1. For concrete foundation & concrete block use mutu K-150, split stone 1-2 cm
   - 11.2. For Concrete crossing road use ready mix with spesification FC30

Drawing by :	Review by	Acknowledge by	Approved by
Deni S	Wilda Manuntun	Agus H Liu Guohua	Bahtaruddin Chandra D Erwin Y Gao Xuefeng

Note : This approval page represent all page in this volume drawing.

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP POWER INDONESIA

TITLE

DESCRIPTION OF CONSTRUCTION ABOVE GROUND SERVICE WATER

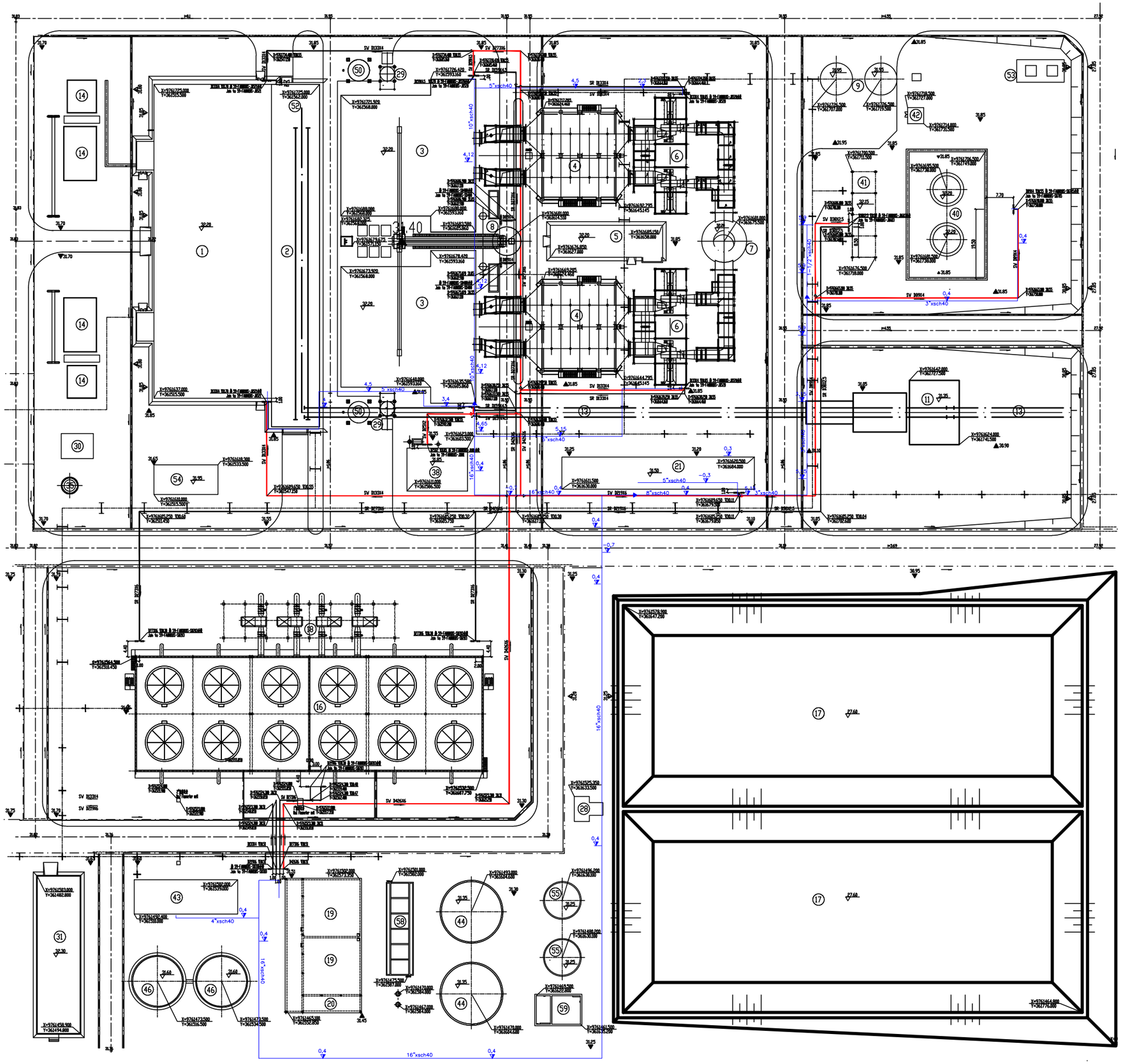
SCALE : -

JOB NO:

DRAWING NO : DSSP - MECH - 01 - 2026-01

SIZE A3

REVISION 01



NOTE :

: EXISTING LINE PIPE SERVICE WATER
: NEW LINE PIPE SERVICE WATER

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

LAYOUT NEW LINE PIPE SERVICE

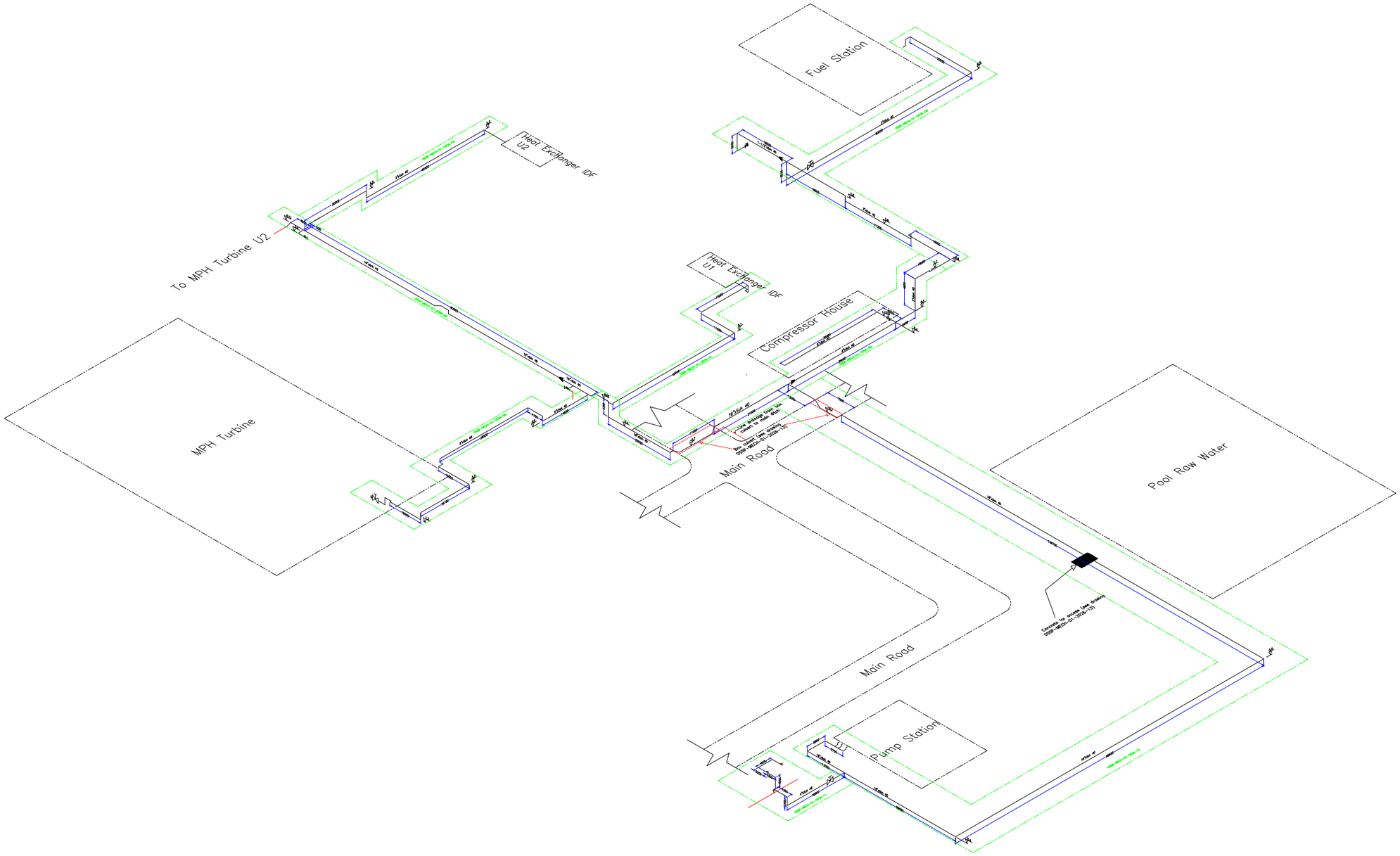
SCALE : -

JOB NO:

DRAWING NO : DSSP - MECH - 01 - 2026-02

SIZE A3

REVISION 02



NOTE :

: EXISTING LINE PIPE SERVICE WATER
: NEW LINE PIPE SERVICE WATER

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

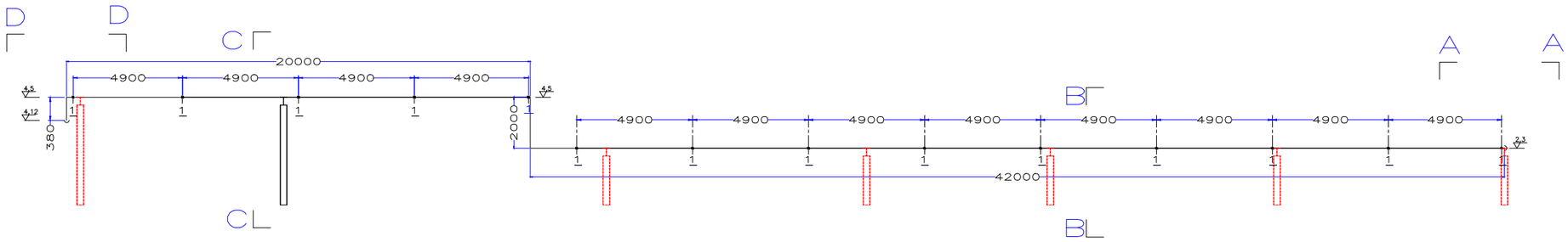
TITLE
ISOMETRIC NEW LINE PIPE SERVICE

SCALE : -
JOB NO

DRAWING NO :
DSSP - MECH - 01 - 2026-03

SIZE
A3

REVISION
01



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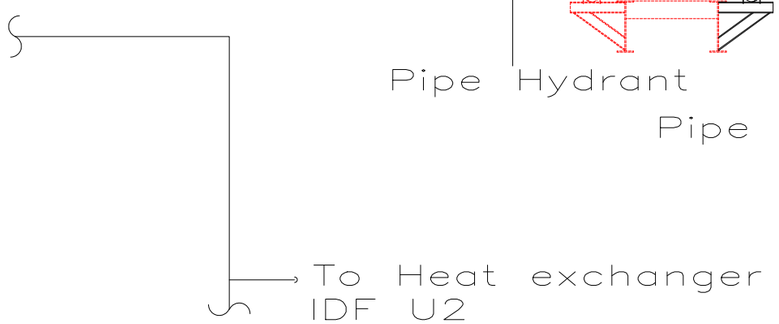
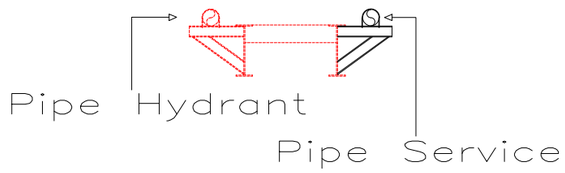
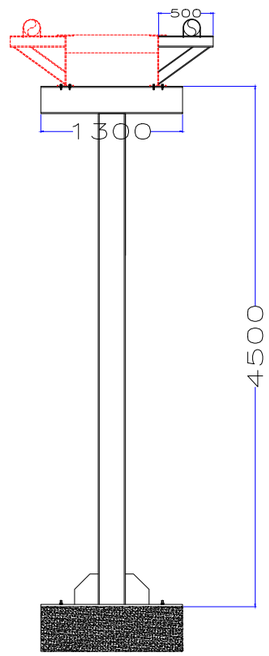


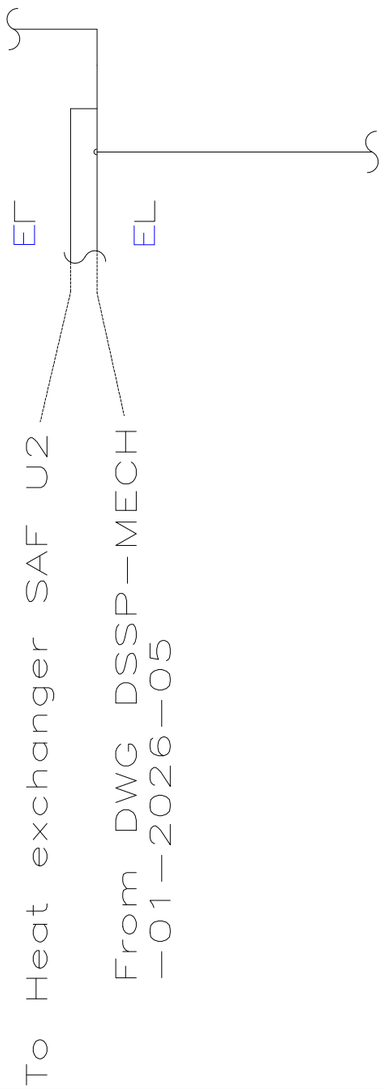
VIEW B—B



VIEW C—C



VIEW D—D



VIEW E—E

NOTE :

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD.

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

PIPE LINE FROM HEADER TO IDF U2

SCALE : -

JOB NO

DRAWING NO :

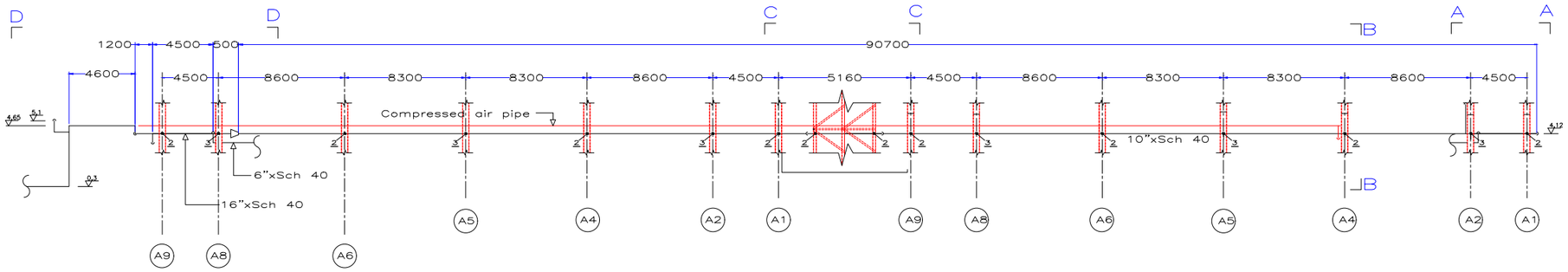
DSSP - MECH - 01 - 2026-04

SIZE

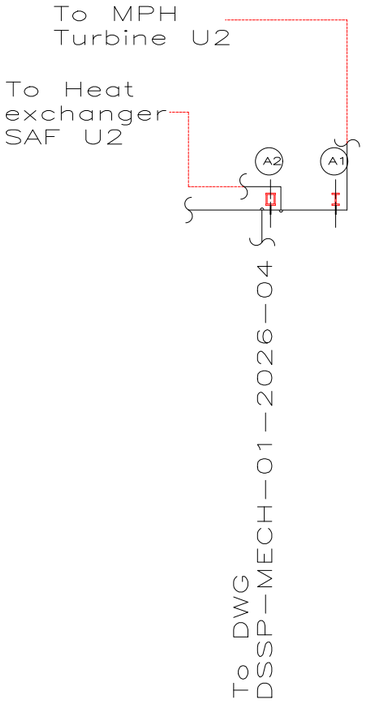
A3

REVISION

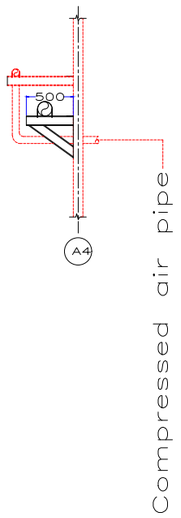
0



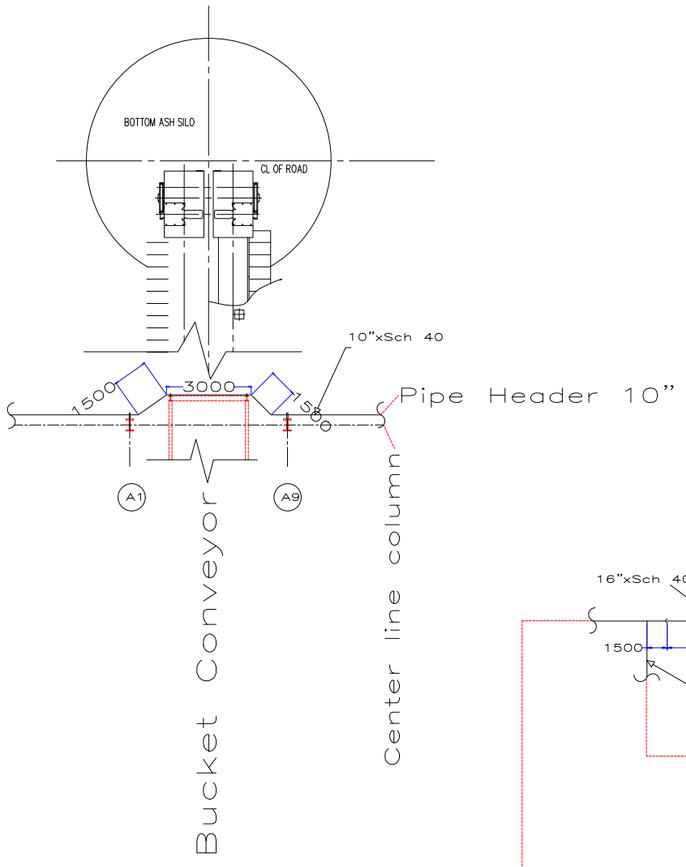
VIEW A—A



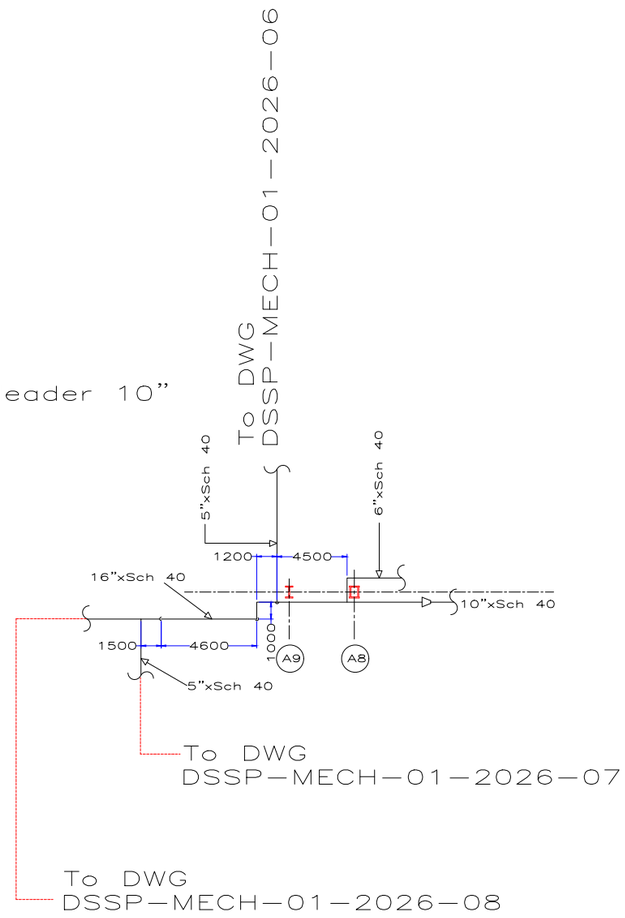
VIEW B—B



VIEW C—C



VIEW D—D



NOTE :

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

PIPE LINE HEADER 10 INCH

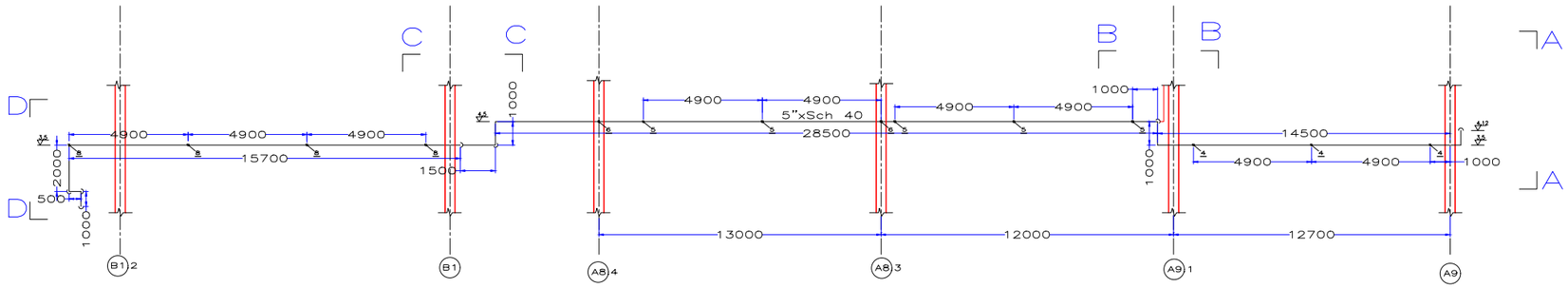
SCALE : -

JOB NO:

DRAWING NO : DSSP - MECH - 01 - 2026-05

SIZE A3

REVISION 0

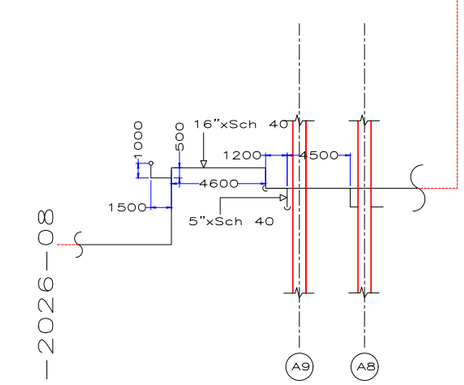


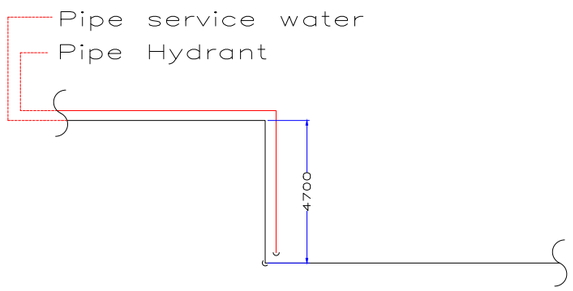
VIEW A—A

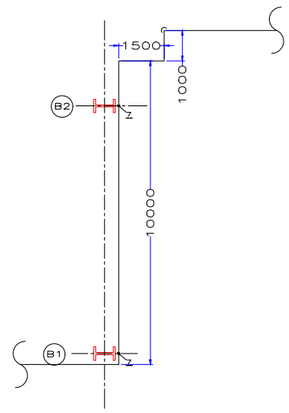
VIEW B—B

VIEW C—C

To DWG
DSSP—MECH—01—2026—05

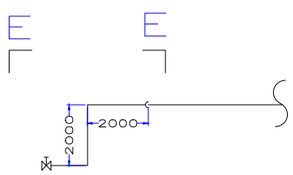




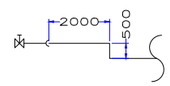


To DWG
DSSP—MECH—01—2026—08

VIEW D—D



VIEW E—E



NOTE :

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

PIPE LINE FROM HEADER TO MPH TURBINE
U1

SCALE : -

JOB NO

DRAWING NO :

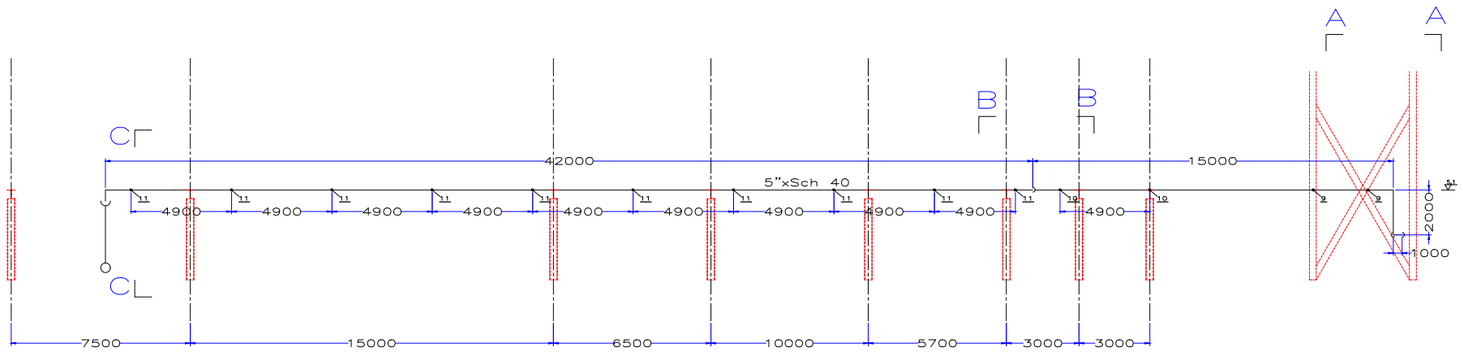
DSSP - MECH - 01 - 2026-06

SIZE

A3

REVISION

0



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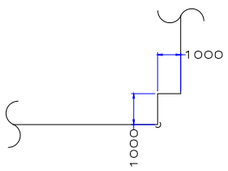
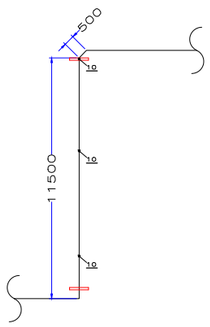
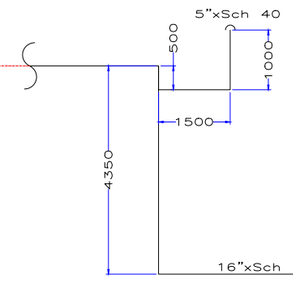


VIEW B—B



VIEW C—C

To DWG
DSSP—MECH—01—2026—06



To DWG
DSSP—MECH—01—2026—08

NOTE :

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

PIPE LINE FROM HEADER TO IDF U1

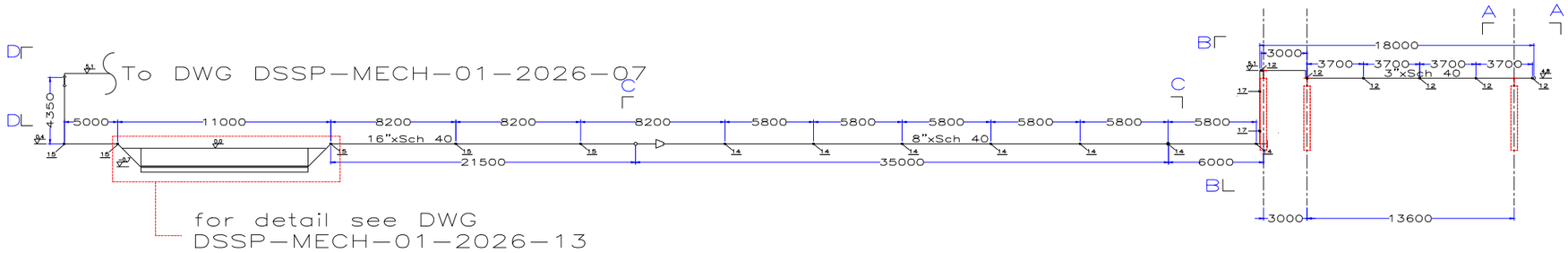
SCALE : -

JOB NO:

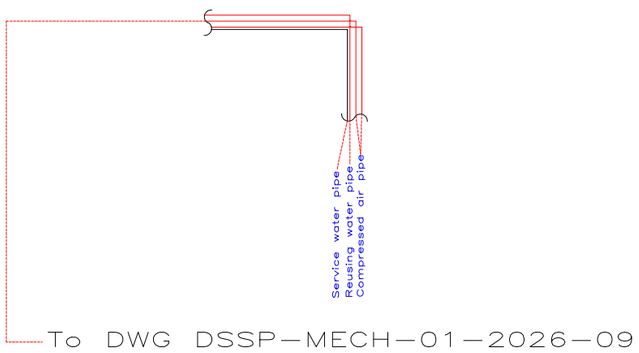
DRAWING NO : DSSP - MECH - 01 - 2026-07

SIZE A3

REVISION 0



VIEW A—A



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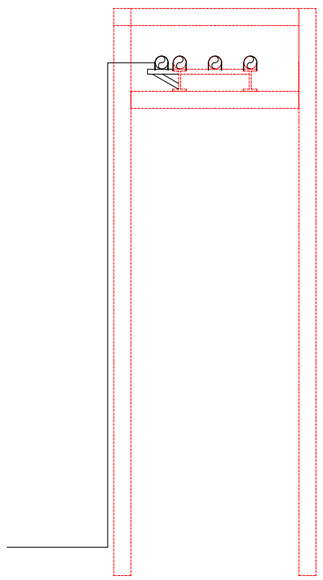
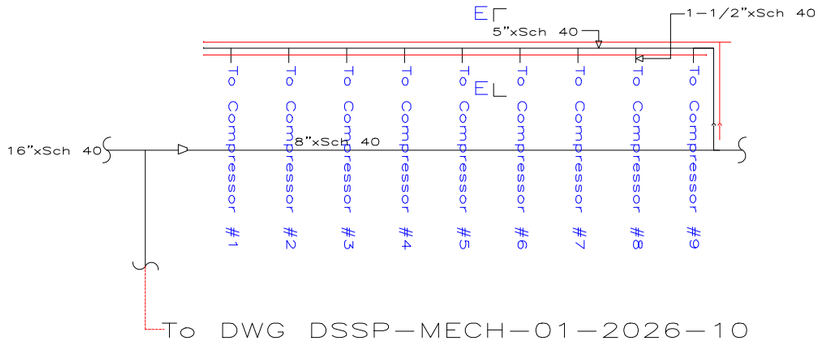
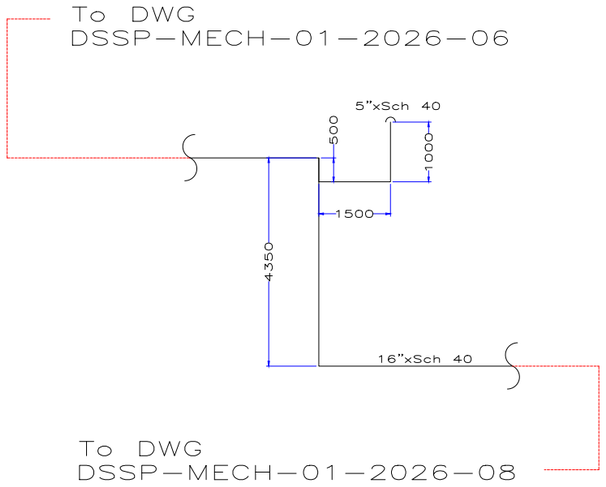


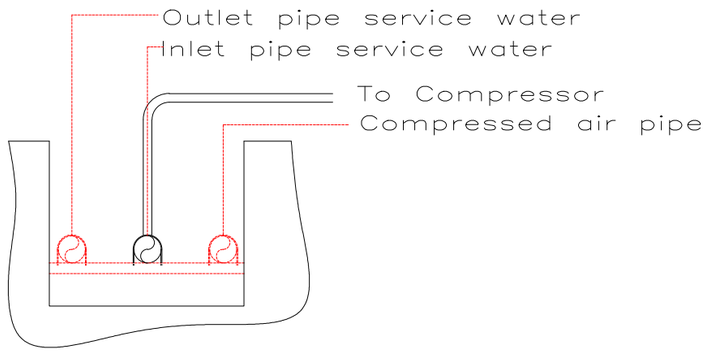
VIEW C—C



VIEW D—D



VIEW E—E



NOTE :

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

PIPE LINE FROM HEADER TO COMPRESSOR

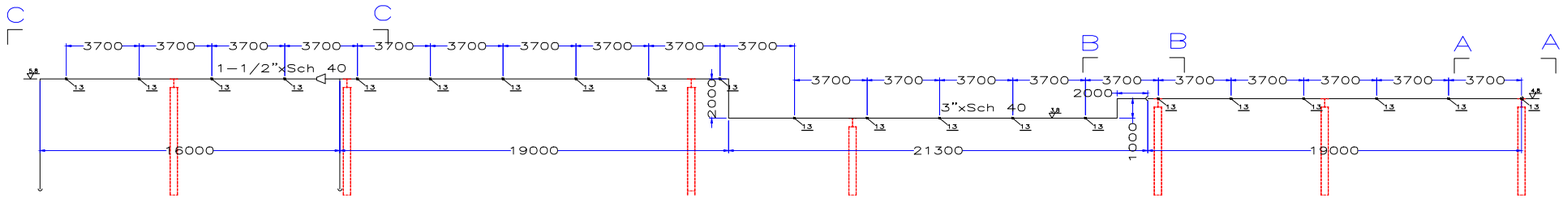
SCALE : -

JOB NO:

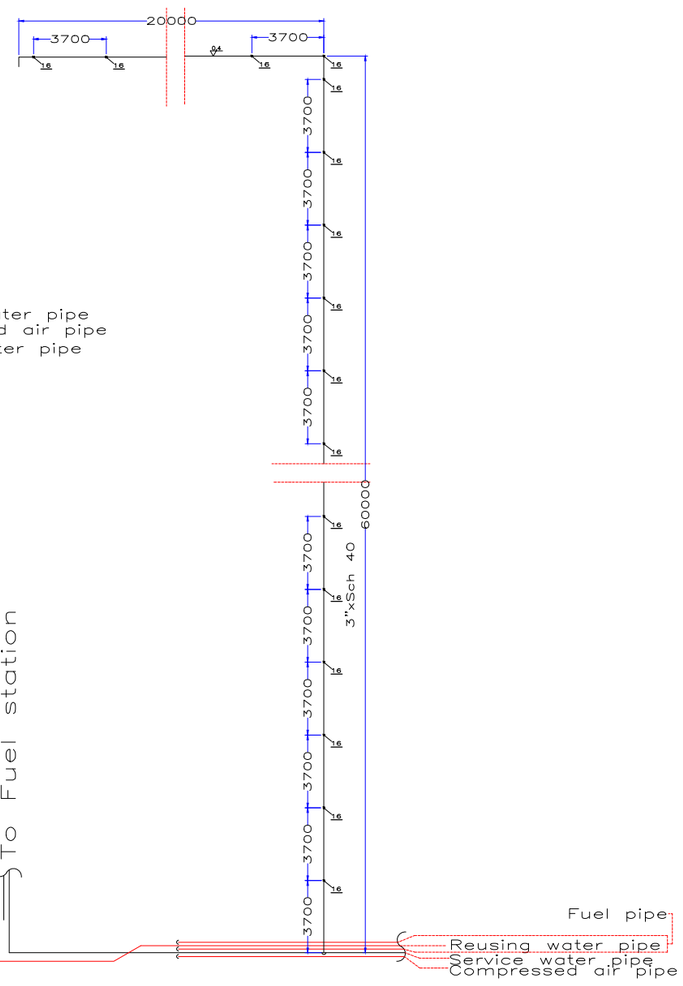
DRAWING NO : DSSP - MECH - 01 - 2026-08

SIZE A3

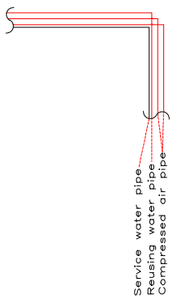
REVISION 0



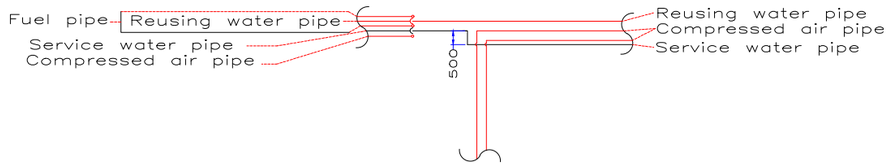
VIEW C—C



VIEW A—A



VIEW B—B



NOTE :

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

PIPE LINE FROM HEADER FUEL STATION

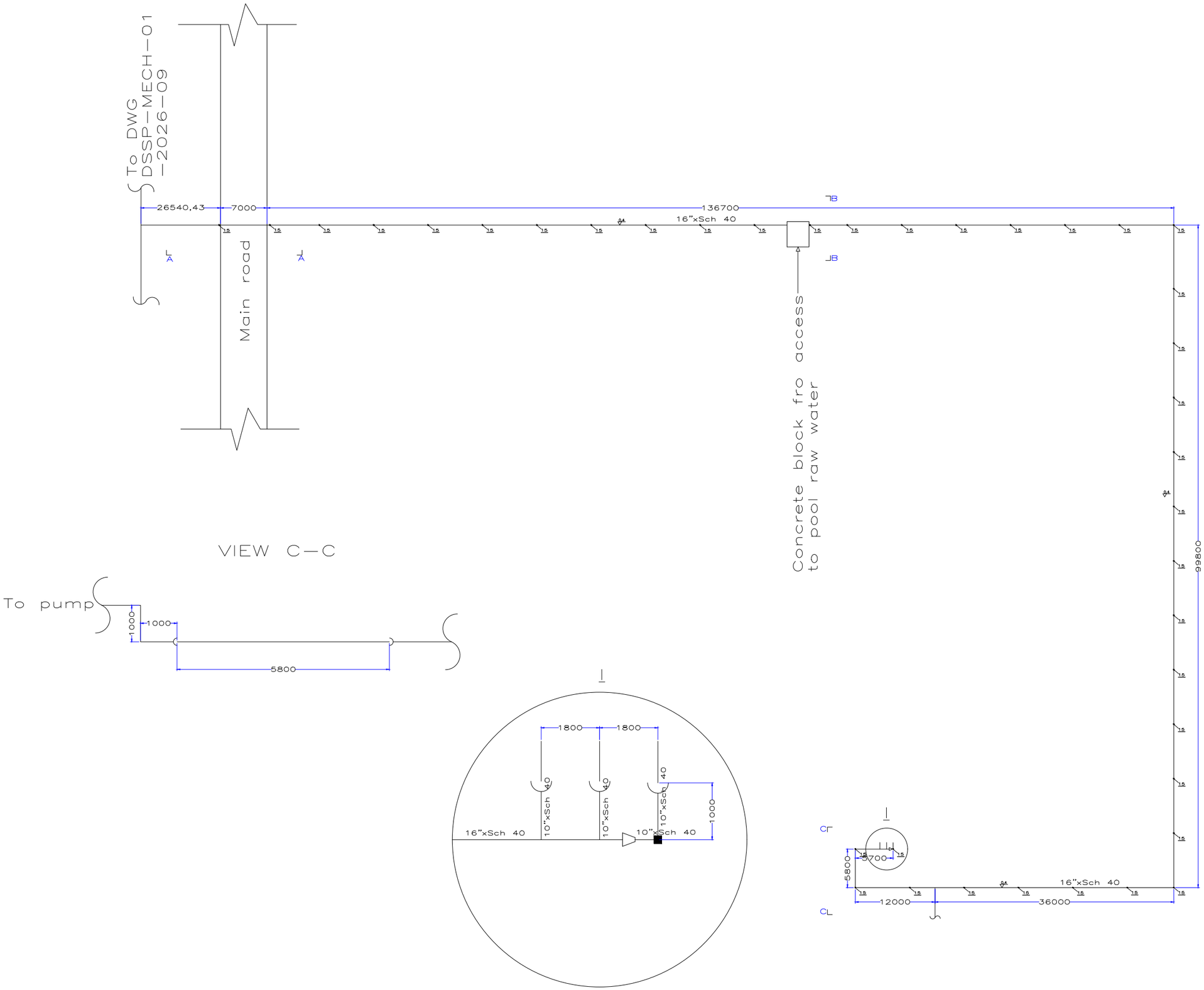
SCALE : -

JOB NO:

DRAWING NO : DSSP - MECH - 01 - 2026-09

SIZE A3

REVISION 02



NOTE :

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

PIPE HEADER 16 INCH

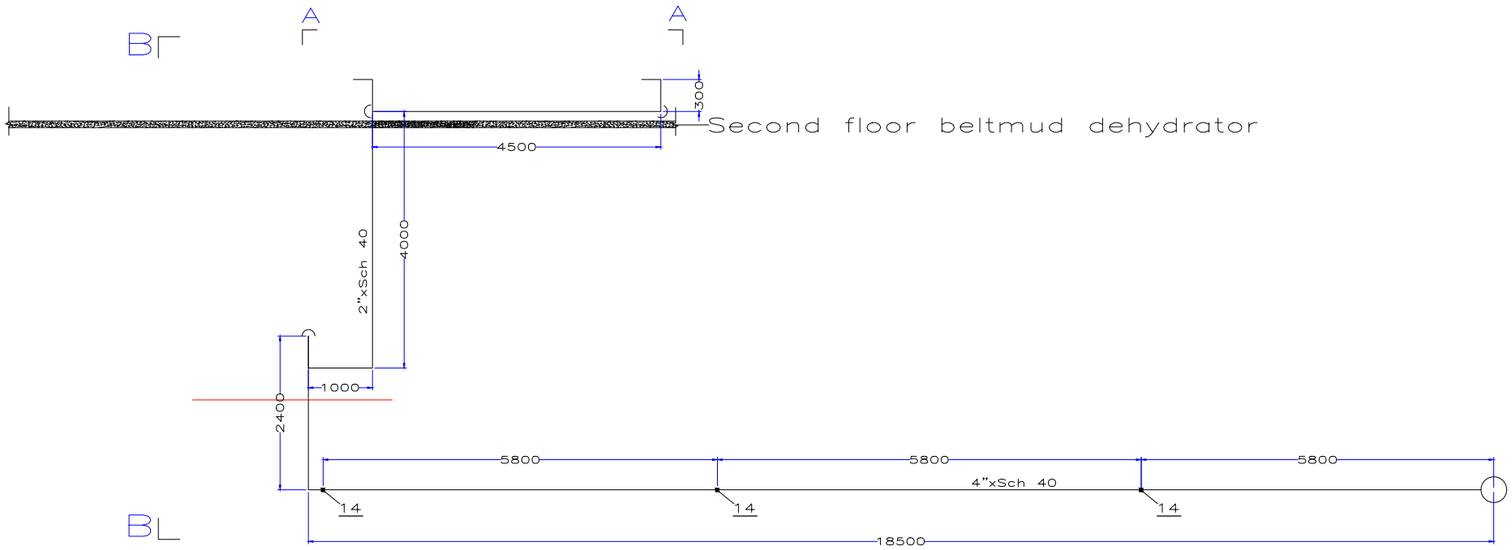
SCALE : -

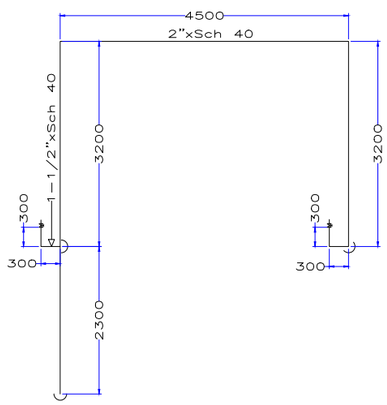
JOB NO:

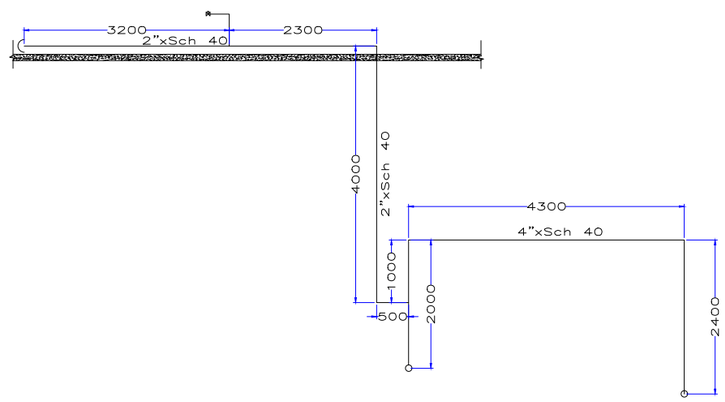
DRAWING NO : DSSP - MECH - 01 - 2026-10

SIZE A3

REVISION 0







NOTE :

: EXISTING LINE PIPE SERVICE WATER

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

PIPE LINE FROM HEADER TO BELTMUD DEHYDRATOR

SCALE : -

JOB NO:

DRAWING NO : DSSP - MECH - 01 - 2026-11

SIZE A3

REVISION 0

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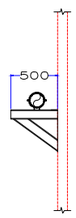

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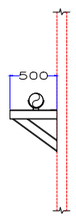

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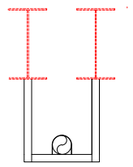

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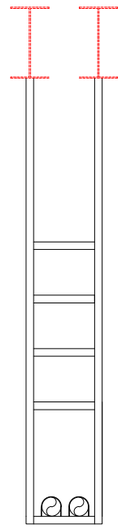

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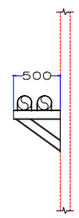

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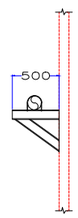

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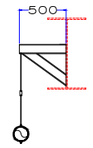

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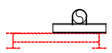

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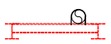

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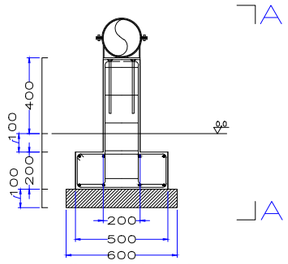

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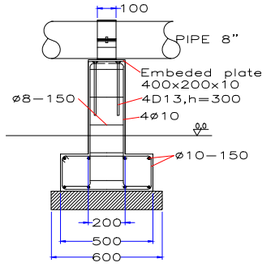

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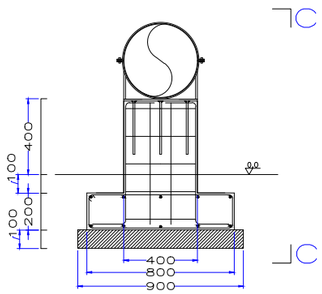
(VIEW A–A)



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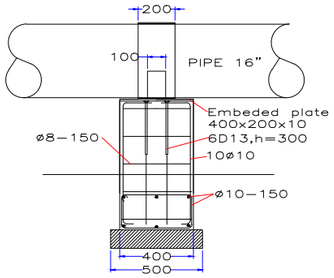

Support No
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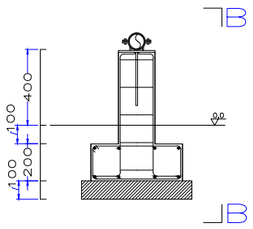

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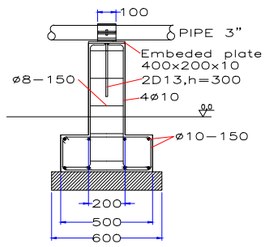
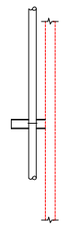


Support No 16
(VIEW B–B)



Support No 17

NOTE :

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP
POWER INDONESIA

TITLE

PIPE SUPPORT

SCALE : -

JOB NO:

DRAWING NO :

DSSP - MECH - 01 - 2026-12

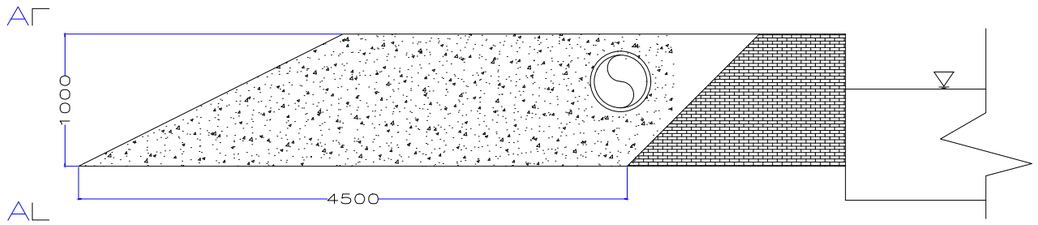
SIZE

A3

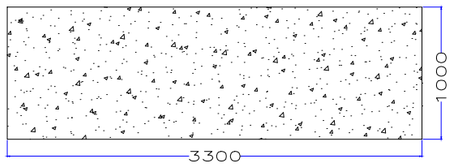
REVISION

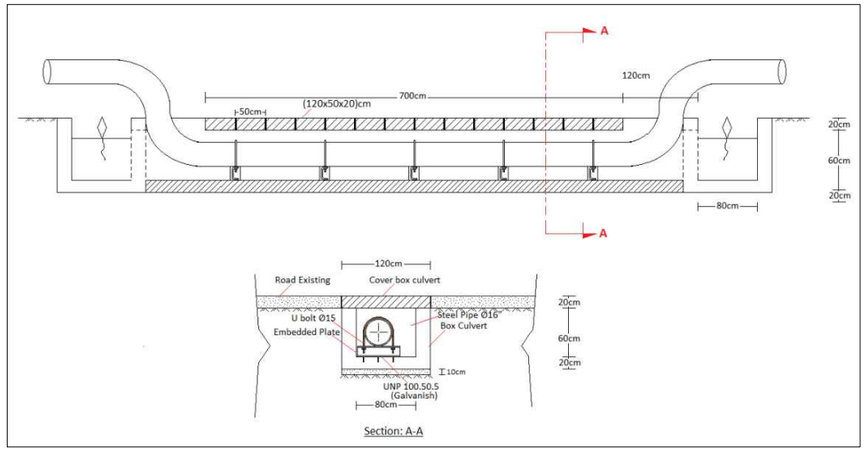
01

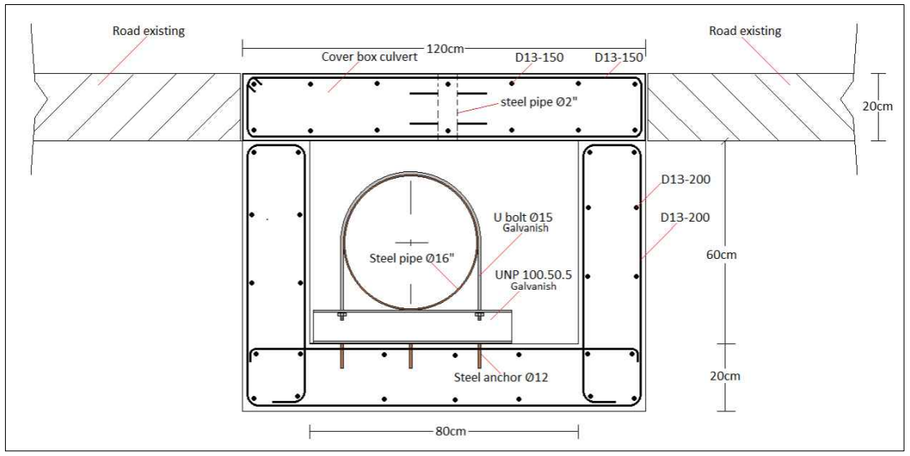
Concrete for access at pool raw water

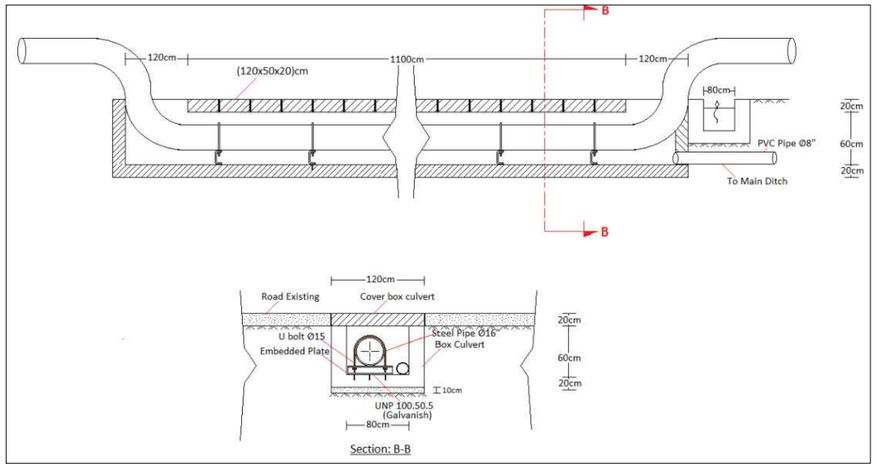


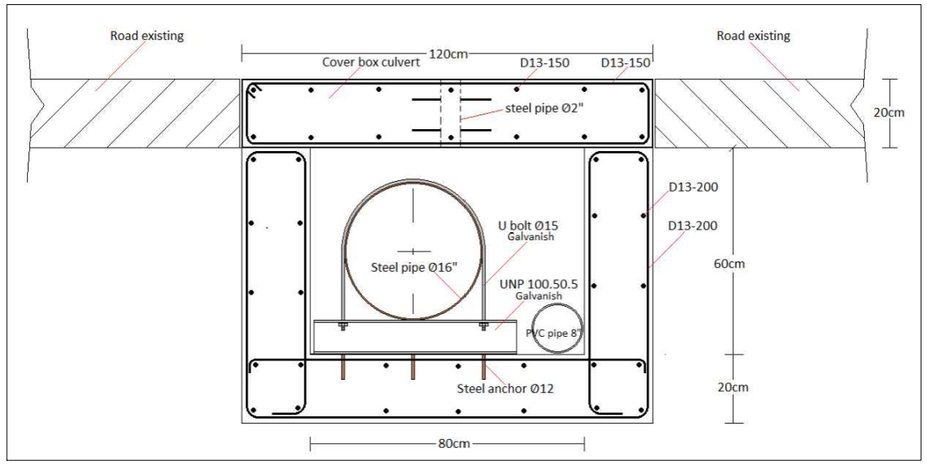
SECTION 1—1











NOTE :

NO	REQ'D	SIZE	DESCRIPTIONS	MATERIAL	REMARK

BILL OF MATERIAL

NO.	DESCRIPTION	DATE	BY	CHKD.	APVD

REVISIONS

REVISION		DATE		APPROVED	

ISSUED FOR CONSTRUCTION

DATE					
BY	DENI	BAHTARUDDIN	CHANDRA D GAO	XUEFENG	WANG QUANMIN
	DRAWN	ACKNOWLEDGE BY		APPROVED	

DATANG DSSP POWER INDONESIA

TITLE

BOX CULVERT & BLOCK CONCRETE

SCALE : -

JOB NO:

DRAWING NO : DSSP - MECH - 01 - 2026-13

SIZE A3

REVISION 00