

TOWER BERSAMA GROUP

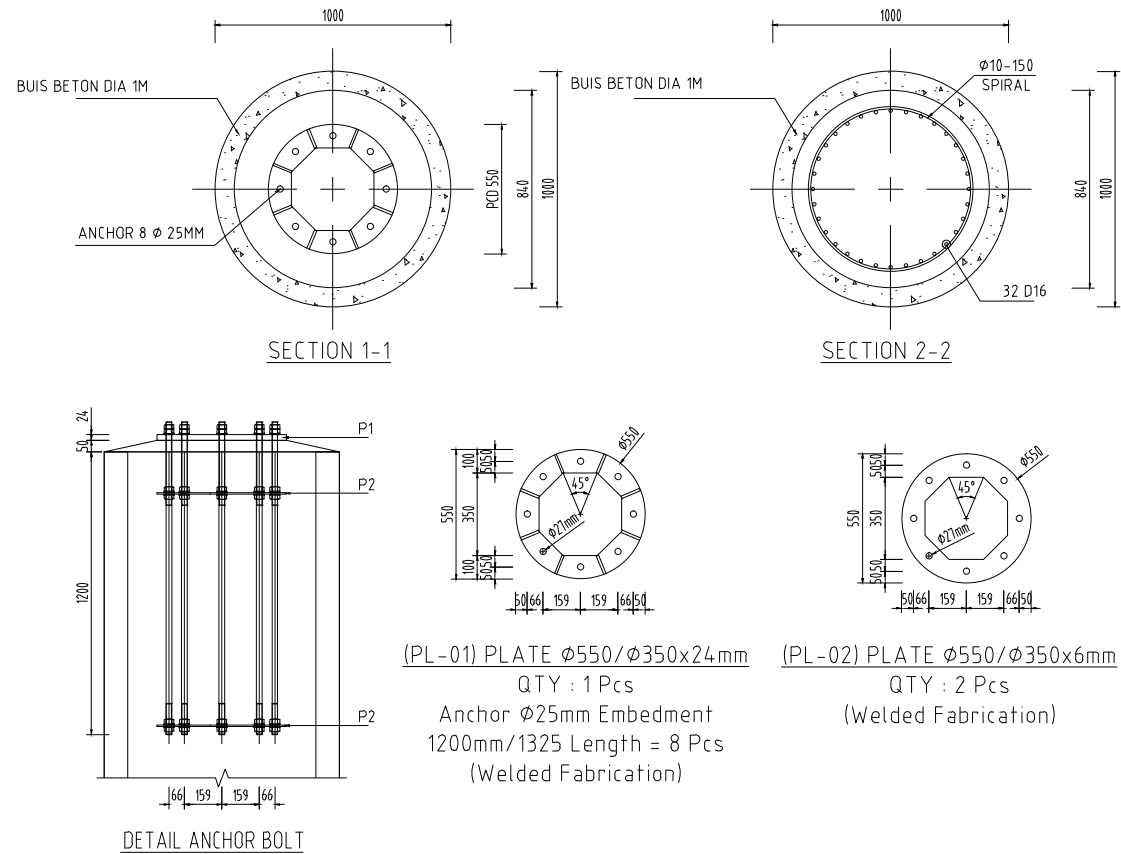
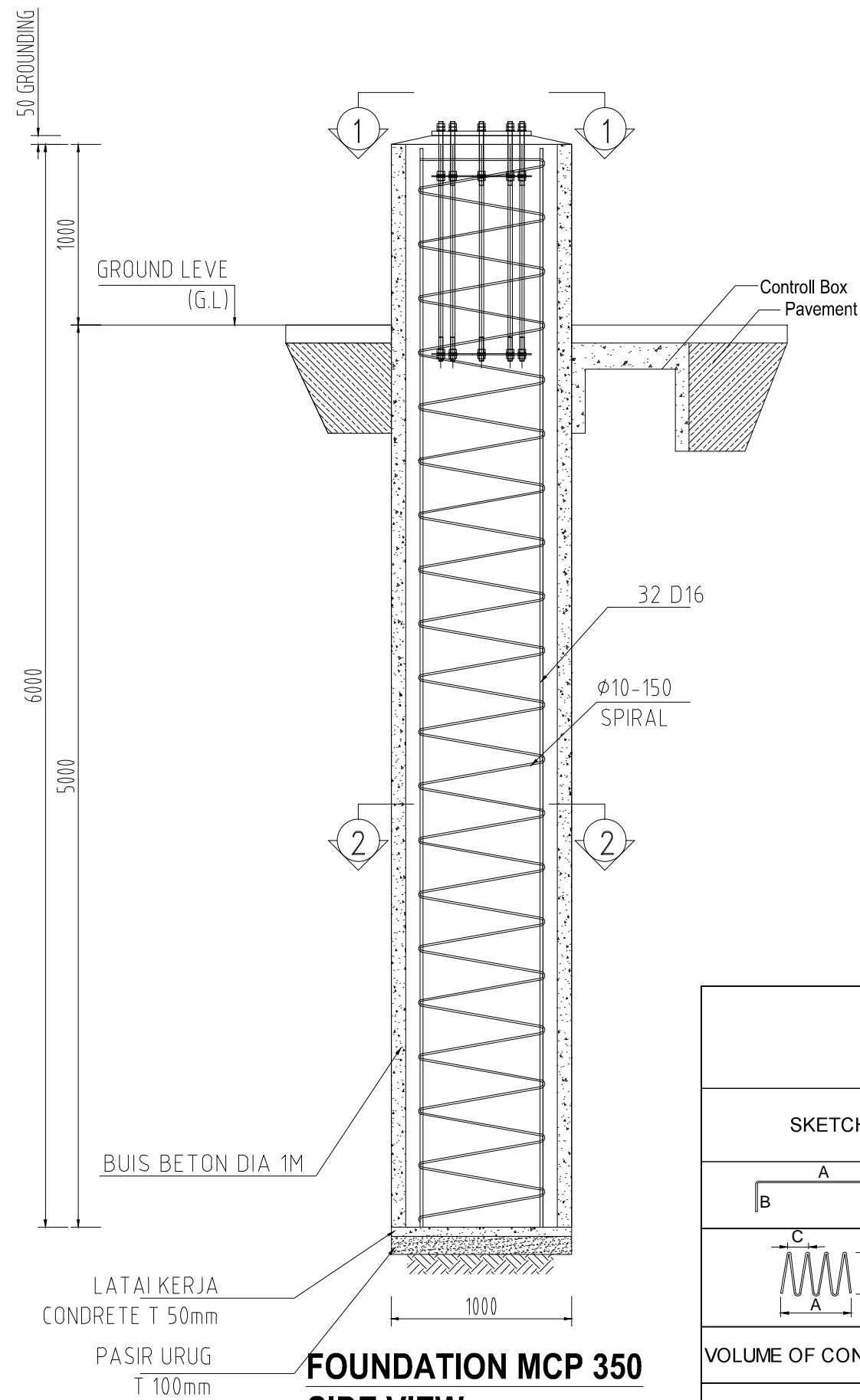


TELKOMSEL

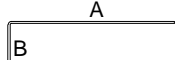
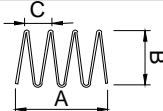
AS PLANNED DRAWING

PROJECT NEW SITE FOUNDATION MICRO CELL POLE DIA 350

SITE ID	:	-
SITE NAME	:	STANDARD PONDASI MCP 20 M DIA 350
TOWER HEIGHT	:	MICRO CELL POLE 20 M
SHELTER TYPE	:	BTS OUTDOOR
ADDRESS	:	- -
KOORDINAT	:	S : - E : -



BAR BENDING SCHEDULE

SKETCH	Ø	A	B	C	LENGTH	QTY	WEIGHT(kg/m)	WEIGHT(kg)	VOLUME	REMARKS
	D 16	5900	300		6200	32	1,58	313,472	3,325	PILE
	Ø 10	5800	700	150	85230	1	0,617	52,587		PILE STIRRUP
VOLUME OF CONCRETE	:	3,325	m³			BUIS BETON UTUH DIAMETER 1 M				
WEIGHT OF STEEL	:	366,059	kg			PANJANG BUIS BETON PER 0.5 M				
TOTAL LENGTH	:	6,000	m			TEBEL BUIS BETON 0.08 M				



ACKNOWLEDGE BY
PT. TELEKOMUNIKASI SELULAR



ACKNOWLEDGE BY
TOWER BERSAMA GROUP

HASPRIYALDI
PROJECT INFRASTRUCTURE SUPPORT DEPT HEAD

IMPLEMENTATION BY

REMARK

MATERIAL SPECIFICATION

- SPECIFIED COMPRESSIVE STRENGTH OF REINFORCEMENT
K-225 kg/cm²
- SPECIFIED YIELD STRENGTH OF REINFORCEMENT
Fy = 240 Mpa for Dia. ≤ 12mm (PLAN BAR)
Fy = 390 Mpa for Dia. ≥ 13mm (DEFORMED BAR)

ANALYSIS & DESIGN GUARANTEED BY

PT. SARMAG KONSULTAN NUSANTARA

MUHAMMAD AMMAR
PROJECT ENGINEERING MANAGER

PROJECT NAME

STANDAR PONDASI MCP DIA 350

SITE ID	-
SITE NAME	STANDARD PONDASI MCP 18 & 20 M DIA 350
SITE ADDRESS	-

AS PLAN DRAWING NAME

DETAIL FOUNDATION MCP

REVISE

NO	DATE	ITEM	SIGNED

THIS DRAWING IS FULLY PROPERTIES OF
PT. TOWER BERSAMA GROUP AND CAN'T USED OR PRINTED
WITHOUT PERMISSION BY PT. TOWER BERSAMA GROUP

	NAME	DATE	SIGNED
DRAWN			
CHECKED			
APPROVED			

SHEET NO. TOTAL SHEET



PT. DUTA HITA JAYA

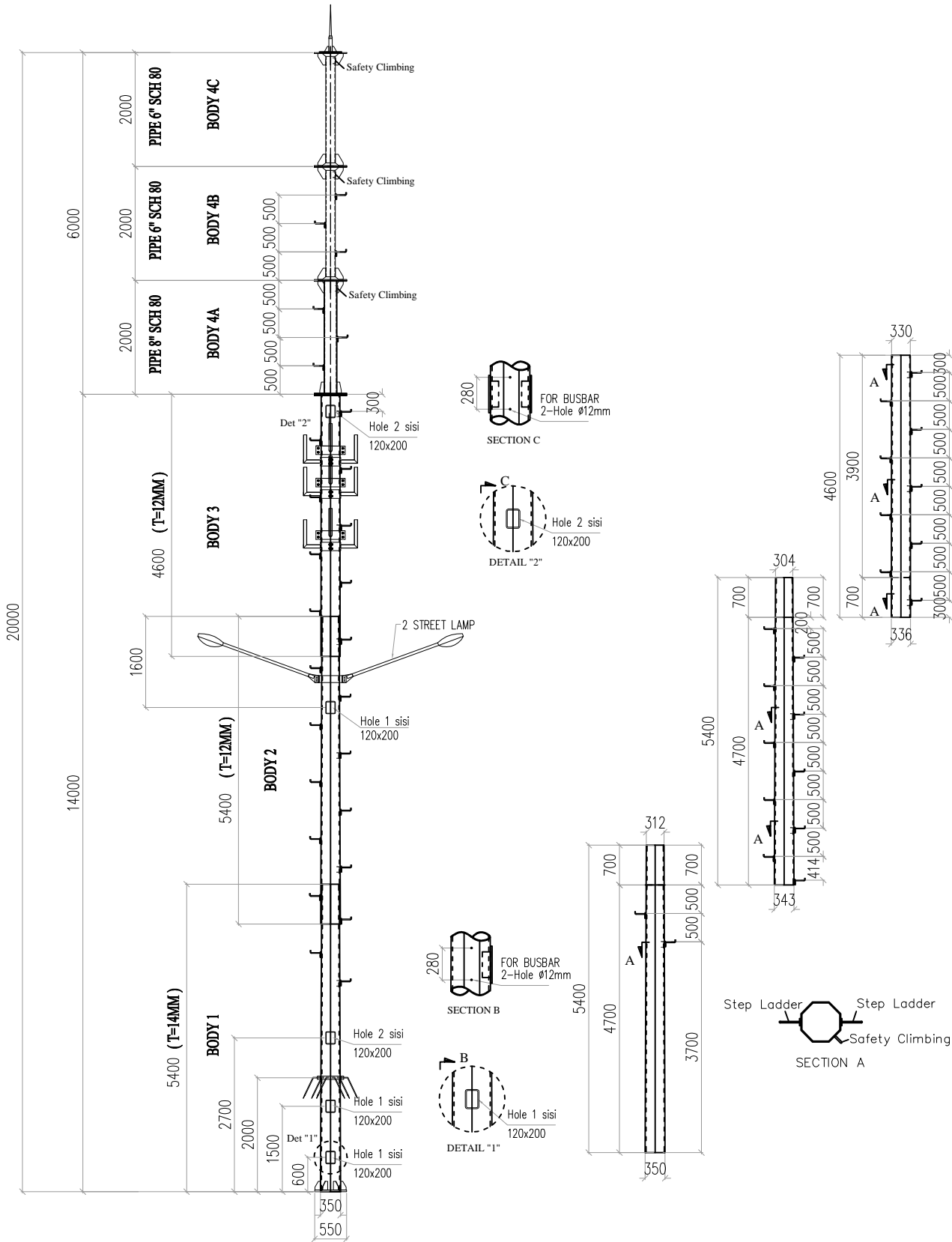


PT. TOWER BERSAMA
TOWER BERSAMA GROUP





DESIGN "MCP 20 METER, 2016 (POLYGONAL, Ø350 MM)"

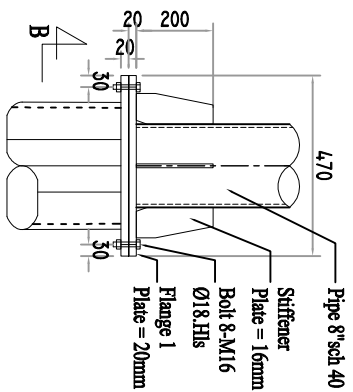
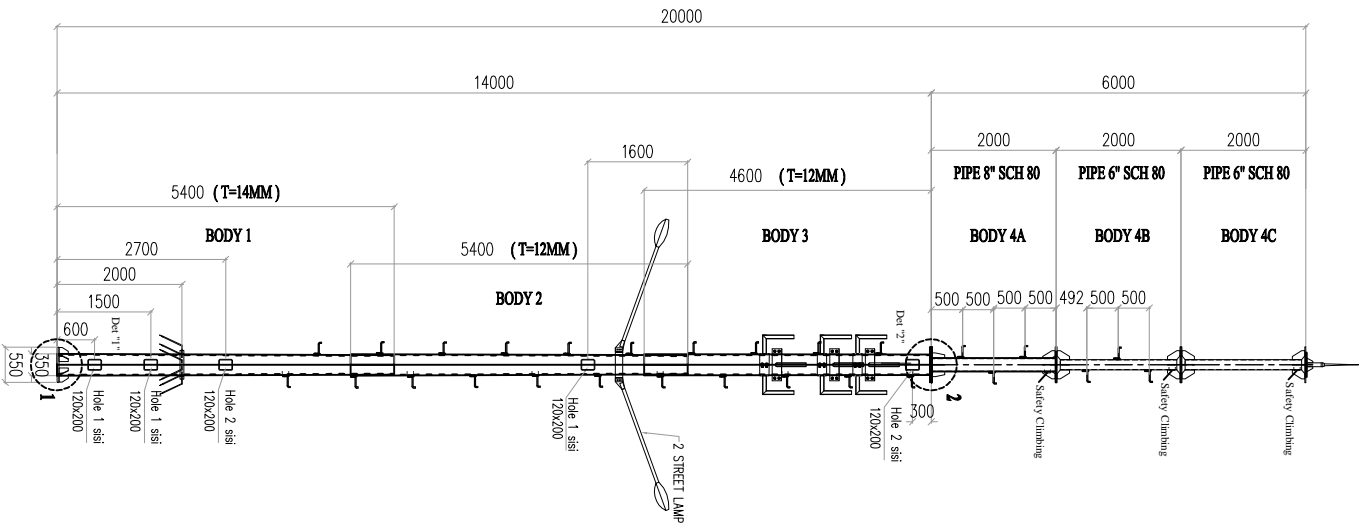
PROJECT :

PT. TOWER BERSAMA GROUP (TBG)
TAHUN 2016

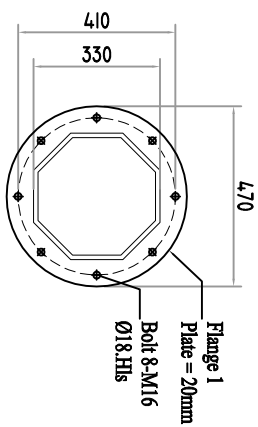


**GENERAL VIEW
(POLYGONAL, Ø 350 MM)**

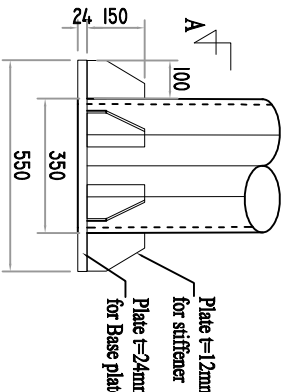
NOTES / REMARK	
OWNER	
 PT. TOWER BERSAMA TOWER BERSAMA GROUP	
APPROVED BY: TOWER BERSAMA GROUP	
CONSULTANT	
 Djohan Fadall Engineering Manager	
TOWER BERSAMA GROUP	
APPROVED BY: TOWER BERSAMA GROUP	
FABRICATOR	
 Djohan Fadall Engineering Manager	
PT. DUTA HITA JAYA	
 PT. DUTA HITA JAYA APPROVED BY: PT. DUTA HITA JAYA	
Agus Iridono Project Manager	
DRAWING TITLE	
MCP 20 METER, 2016 (POLYGONAL, Ø 350 MM)	
DRAWING SUBTITLE	
SINGLE LINE	
SIDE ID	SITE NAME
-	-
SCALE	
REVISION	
NTS	NO. TANGGAL PARAP
REV 1	1.
2.	
3.	
NO REGISTER	
01	



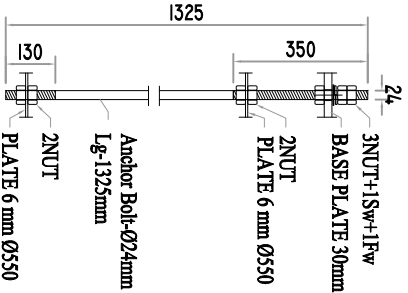
Detail 2



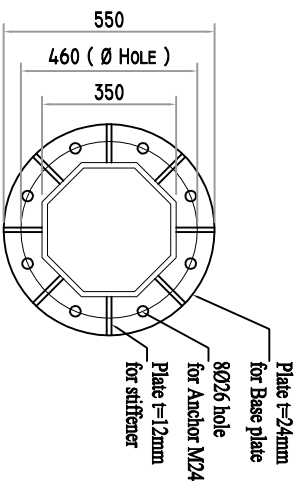
Section B



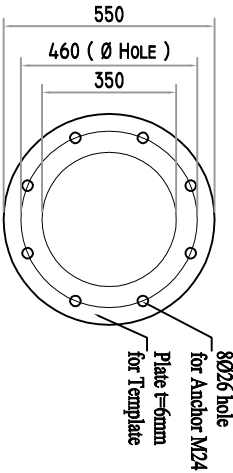
Detail 1



Detail Anchor

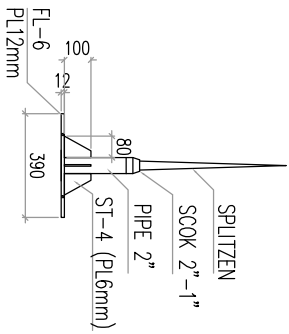


SECTION A

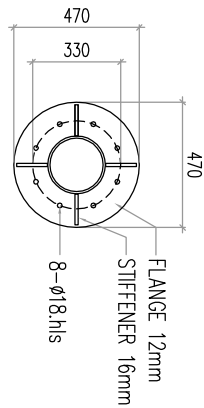


Detail Template

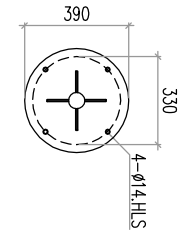
OWNER		PT. TOWER BERSAMA TOWER BERSAMA GROUP	
APPROVED BY,		Dobhan Fadail Engineering Manager	
CONSULTANT		TOWER BERSAMA GROUP	
APPROVED BY,		PT. DUTA HITA JAYA	
FABRICATOR		PT. DUTA HITA JAYA	
DRAWING TITLE		MCP 20 METER, 2016 (POLYGONAL, Ø 350 MM)	
DRAWING SUBTITLE		DETAIL BASE PLATE & CONNECTION BODY TOP	
SIDE ID		SITE NAME	
SCALE		REVISI	
NTS		NO. TANGGAL	
REV 1		1. PARAP	
REV 2		2.	
REV 3		3.	
NO REGISTER		02	



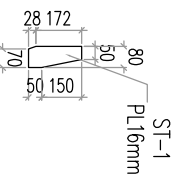
SPLITZEN



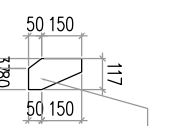
FLANGE (FL-3 & 4A)
PLATE 12mm



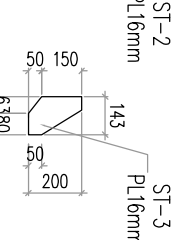
FLANGE (FL-6)
PLATE 12mm



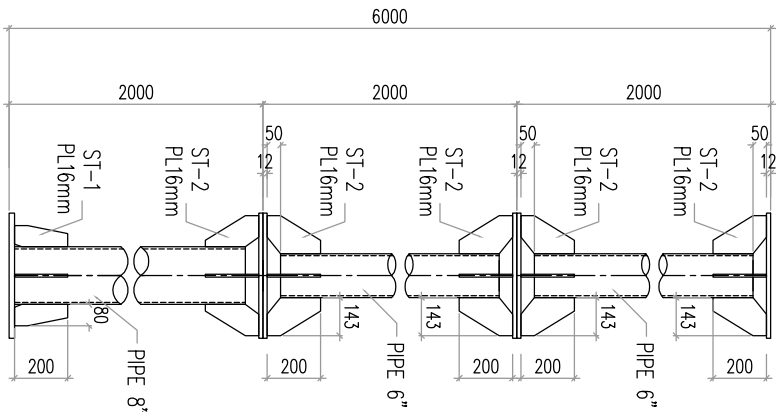
STIFFENER 1



STIFFENER 2



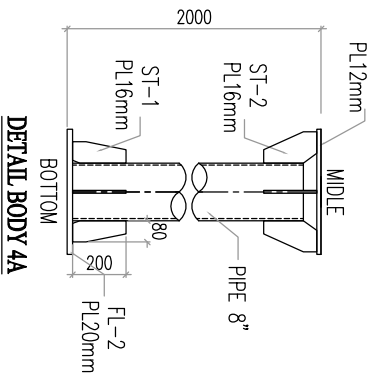
STIFFENER 3



DETAIL BODY 4C

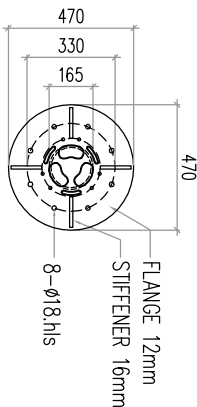
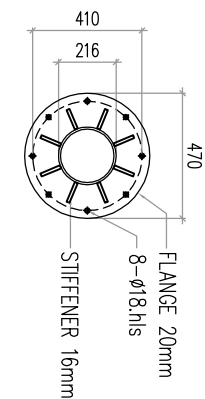
DETAIL BODY 4B

DETAIL BODY 4A

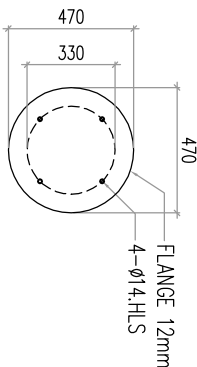


DETAIL BODY 4A

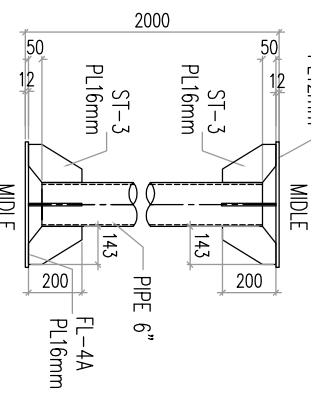
FLANGE (FL-2)
PLATE 20mm



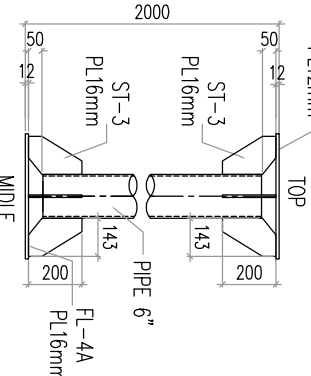
FLANGE (FL-4B)
PLATE 12mm



FLANGE (FL-5)
PLATE 12mm



DETAIL BODY 4B



DETAIL BODY 4C

OWNER

PT. TOWER BERSAMA
TOWER BERSAMA GROUP

APPROVED BY,
TOWER BERSAMA GROUP

Dibhan Faddai
Engineering Manager

CONSULTANT

APPROVED BY,

FABRICATOR

PT. DUTA HITTA JAYA

APPROVED BY,
PT.DUTA HITTA JAYA

Aqua Titono
Project Manager

MCP 20 METER, 2016
(POLYGONAL, Ø 350 MM)

DRAWING SUBTITLE

DETAIL BODY 4A, 4B & 4C

SIDE ID SITE NAME

SCALE

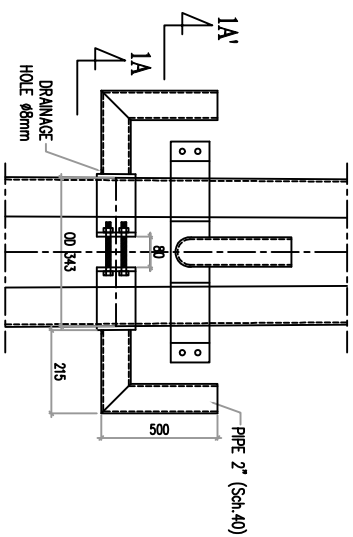
NO. TANGGAL PARAP

REV 1 1. PARAP

REV 2 2. PARAP

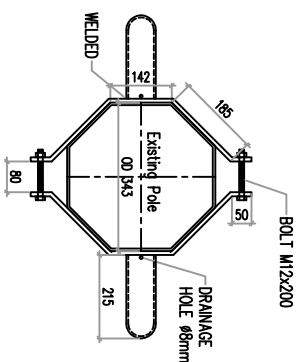
REV 3 3. PARAP

NO REGISTER 03

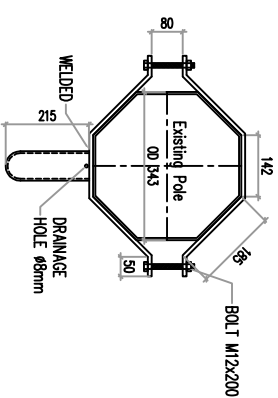


MOUNTING RRU

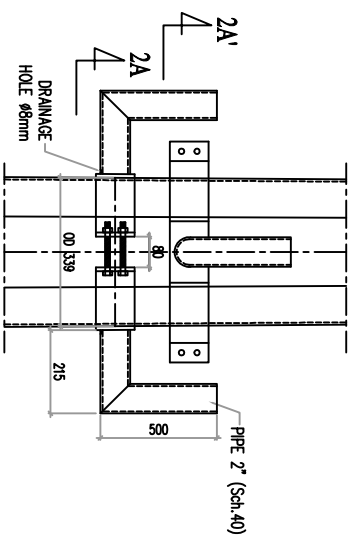
ELEV. + 11.5 M



SECTION 1A'

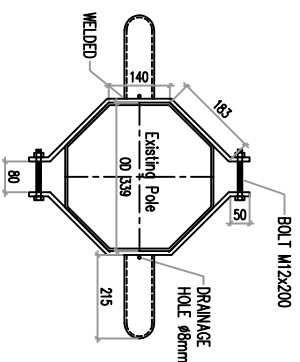


SECTION 1A'

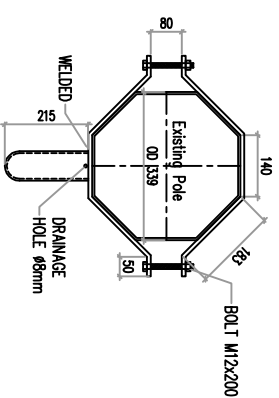


MOUNTING RRU

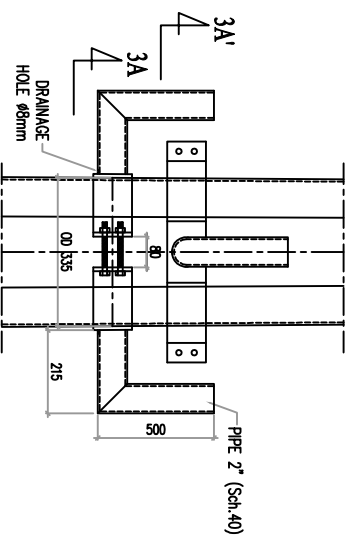
ELEV. + 12.25 M



SECTION 2A'

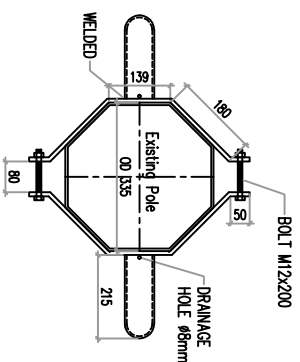


SECTION 2A'

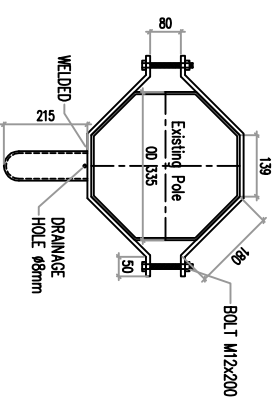


MOUNTING RRU

ELEV. + 13 M



SECTION 3A'



SECTION 3A'

OWNER

PT. TOWER BERSAMA
TOWER BERSAMA GROUP

APPROVED BY,
TOWER BERSAMA GROUP

CONSULTANT
Dibhan Fadhil
Engineering Manager

APPROVED BY,

APPROVED BY,

FABRICATOR

PT. DUTA HITAJAYA

APPROVED BY,
PT. DUTA HITAJAYA

Aqua Titono
Project Manager

DRAWING TITLE

MCP 20 METER, 2016
(POLYGONAL, Ø 350 MM)

DRAWING SUBTITLE

MOUNTING RRU

SIDE ID SITE NAME

SCALE

REVISION

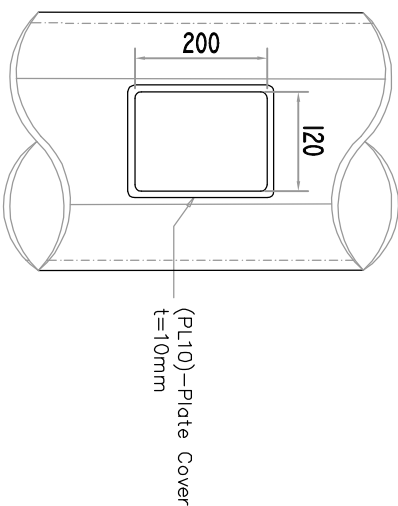
NO. NO. TANGGAL PARAP

REV 1 1. TANGGAL PARAP

REV 2 2. TANGGAL PARAP

REV 3 3. TANGGAL PARAP

NO REGISTER



FRONT VIEW HOLE

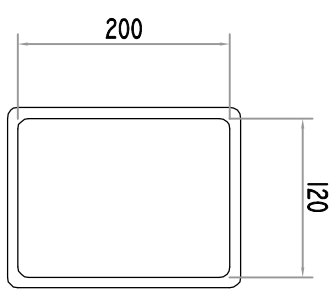
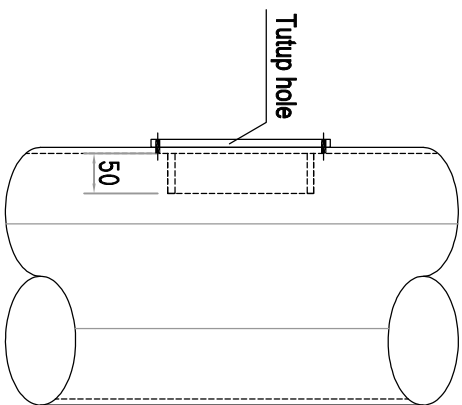
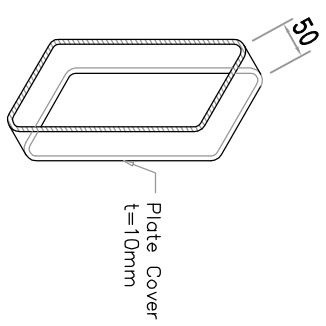



PLATE 10*50*640



SIDE VIEW HOLE



VIEW PERSPECTIVE

OWNER		<div> PT. TOWER BERSAMA TOWER BERSAMA GROUP</div>	
TOWER BERSAMA GROUP		APPROVED BY, TOWER BERSAMA GROUP	
CONSULTANT		Djohan, Fadai Engineering Manager	
FABRICATOR		APPROVED BY, PT. DUTA HITA JAYA	
DRAWING TITLE		MCP 20 METER, 2016 (POLYGONAL, Ø 350 MM)	
DRAWING SUBTITLE		DETAIL MAN HOLE	
SIDE ID	SITE NAME		
-	-		
SCALE		R E V I S I	
NTS	NO.	TANGGAL	PARAP
REV 1	1.		
	2.		
	3.		
NO REGISTER		05	