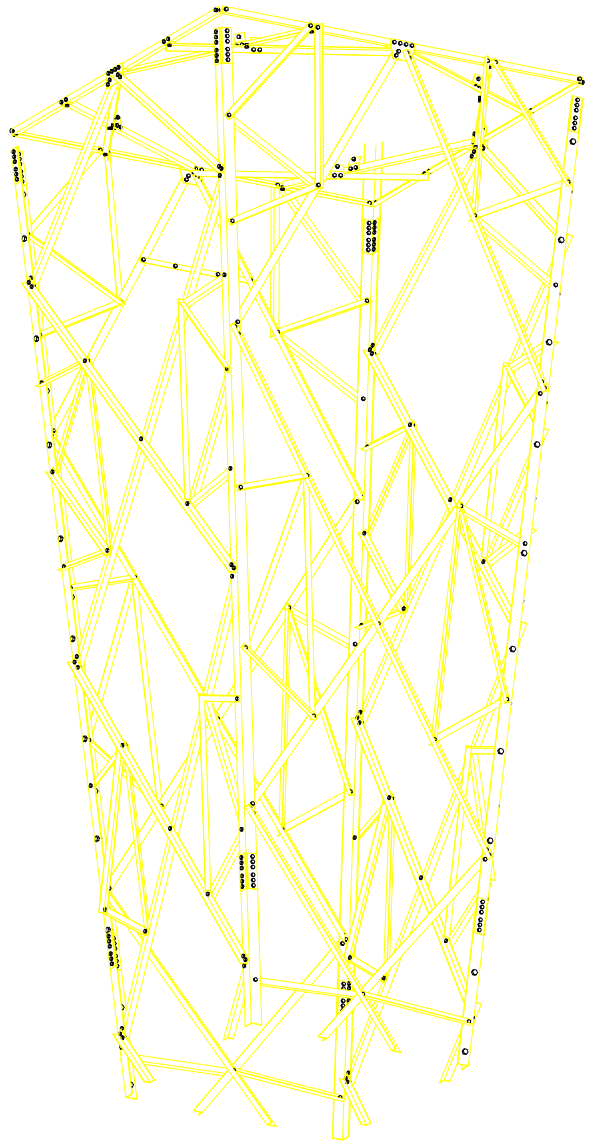
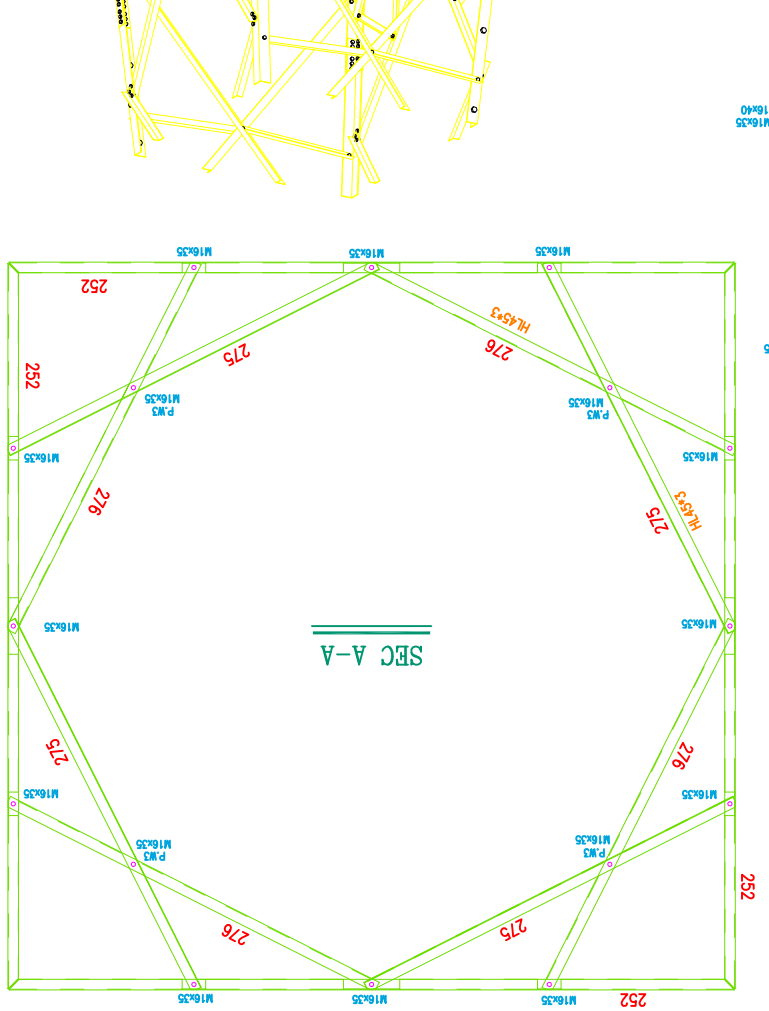
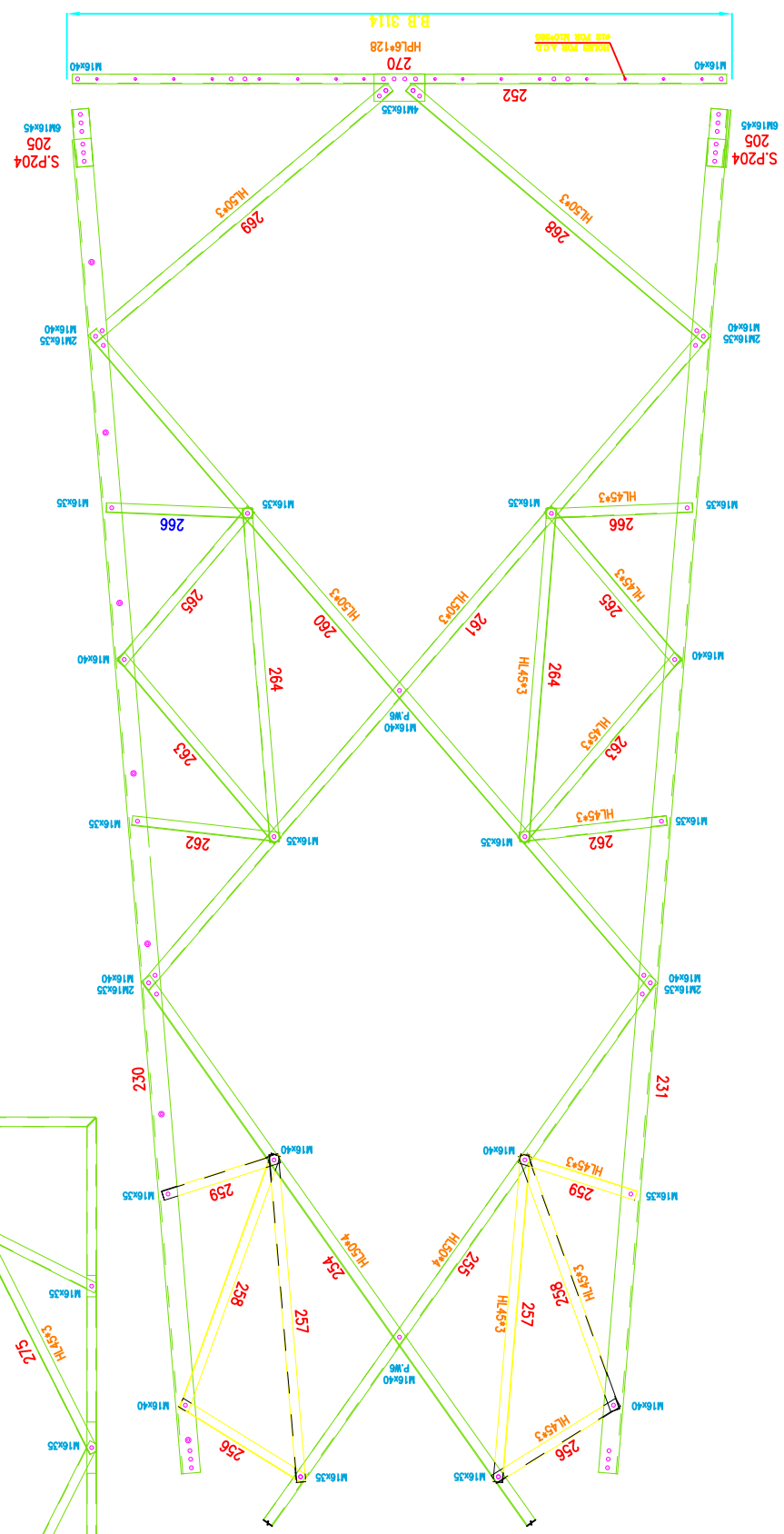
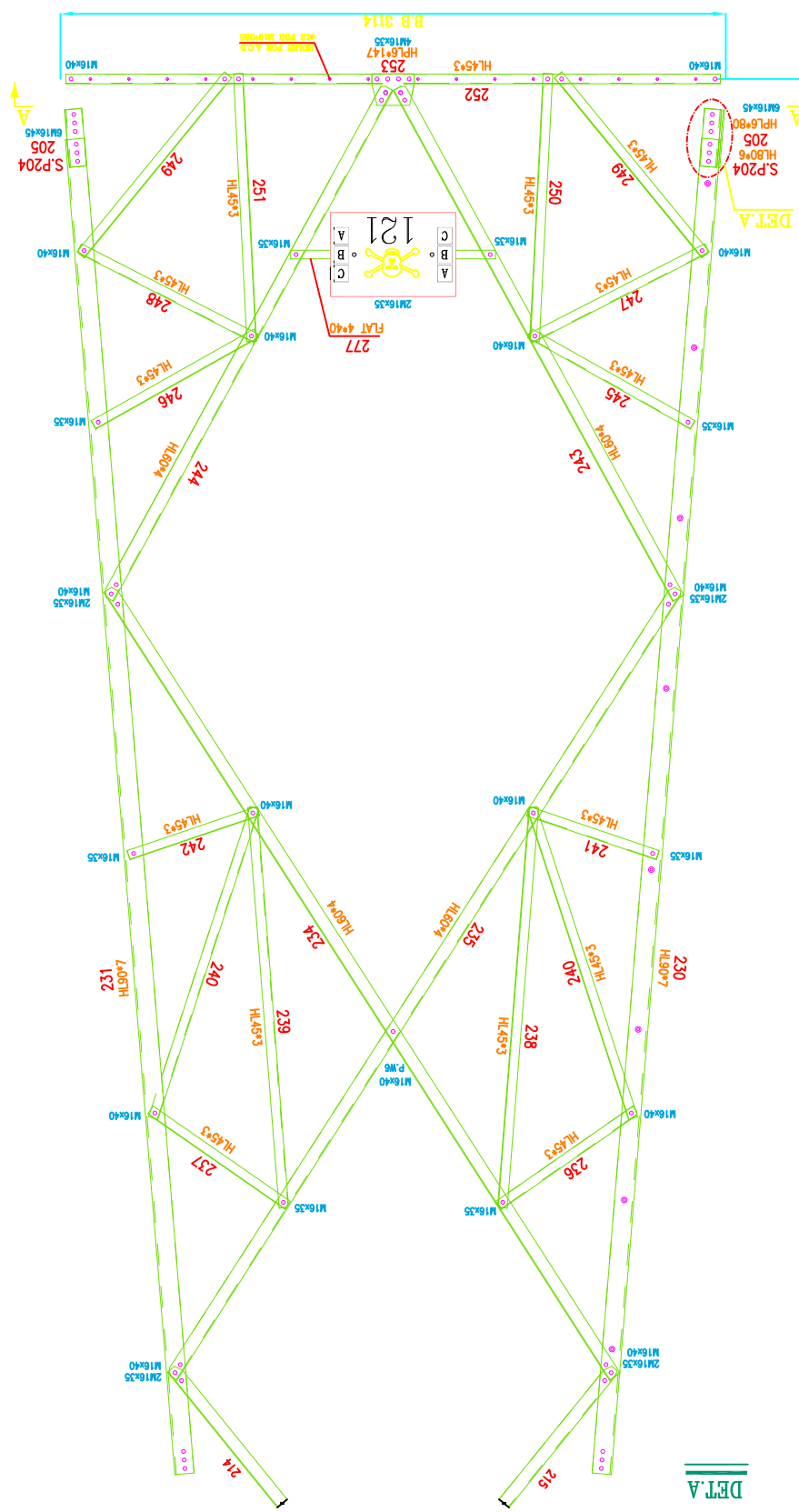
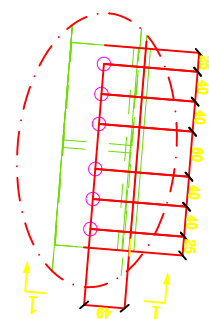
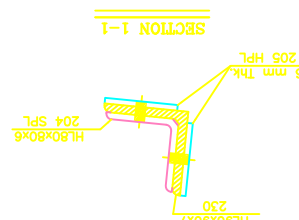






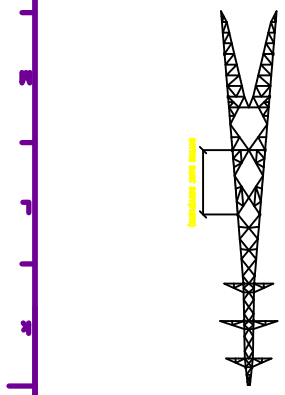






12300 MM

TO TOP OF BOTTOM BASIC BODY(PART 1)



NO.	ITEM	REFERENCE Specific Requirements	Technical Delivery Conditions
1	ANGLE	DIN 1026-2	DIN EN 10025-2 S355JR
2	GUSSET PLATE	DIN 1029	MILD STEEL-GRADE 235JR HIGH TENSILE-GRADE S355J2
3	PILASER PLATE	DIN 1029	DIN EN 10025-2 MILD STEEL-GRADE 235JR HIGH TENSILE-GRADE S355J2
4	BOLT	DIN 7990	ISO 898-part1,Grade 8.8
5	NUT	DIN 4032	ISO 898-part2,Grade 8
6	SPRING WASHER	DIN 127	DIN 267-part 26
7	FLAIN WASHER	DIN EN ISO 4759-3	DIN EN 10025-2,Grade S355JR
8	CALVANIZE	JOINTS & PLATES	ASTM A153
9		JOINTS & NUTS & WASHERS	ASTM A153

Note: 1-Application of an equal and approved material is allowed only after the written permission of consultant.

LIST OF BOLT & NUTS & WASHERS INCLUDING 3% EXTRA

LENGTH	QTY.	LENGTH	QTY.
M16x35mm	730	5mm PACK W.	05
M16x40mm	260	4mm PACK W.	17
M16x45mm	195	5mm PACK W.	07
STEP BOLT	53	6mm PACK W.	64
STD.SP.WASHER	1291	8mm PACK W.	07
		10mm PACK W.	09

SYMBOLS AND ABBREVIATIONS

DESCRIPTION	SYMBOLE
CENTER LINE	C.L.
PLATE	PL
ANGLE	L
SPLICE	SP
HIGH TENSILE	HL
BEND LINE	B.L.
NEAR SIDE	N.S.
FAR SIDE	F.S.
Ø14 mm HOLE	●
Ø17.5 mm HOLE	○
Ø21.5mm HOLE	◎
HOLE FOR STEP BOLT	◉

SPECIFICATION FOR MATERIALS

1- ALL DIMENSION ARE IN MILLIMETERS.
2- DO NOT SCALE THE DRAWING
3- DIAMETERS OF HOLE ARE AS FOLLOWS:
Ø21.5 mm FOR M20, Ø17.5 mm FOR M16
Ø13.5 mm FOR M12 BOLTS.
4- EACH BOLT ASSEMBLY INCLUDES ONE BOLT ONE NUT AND ONE SPRING WASHER.
5- EACH STEP BOLT ASSEMBLY INCLUDES ONE STEP BOLT TWO NUTS AND TWO SPRING WASHER.
6- GRADE OF BOLTS IS 5.8
7- THE STEEL MEMBER INDENTIFIED BY "F" ARE ST:52 OTHER MEMBERS ARE ST:37

CLIENT	YAZD REGIONAL ELECTRIC CO.		
CONSULTANT	MONENCO IRAN CO.	DRWN.	M.HASSANI
CONTRACTOR	YASAN CO.	CHECK.	A.AZARI
TOWER TYPE	SUSPENSION YSM03	APPROVE	M.M.MOMENI
DRAWING TITLE	BOTTOM BASIC BODY(PART2)	DATE	1397/03/31
DRAWING NO.		REV.	

63 kV D.C TRANSMISSION LINE

NO.	DESCRIPTION	BY	CHKD.	APPD.	DATE
01	ADDITION AND REMOVE OTHER SECTION TO THE DRAWING	M.S	M.S.M	M.M	01/03/1396
02	CORRECTION ACCORDING TO LETTER NO. 27/1/1396	M.S	M.S.M	M.M	05/12/1396
03	CORRECTION ACCORDING TO LETTER NO. 27/2/1396	M.S	M.S.M	M.M	11/03/1396
04	REVISE CHANGES AND ADDED OTHER SECTION TO THE DRAWING	M.S	M.S.M	M.M	05/03/1396