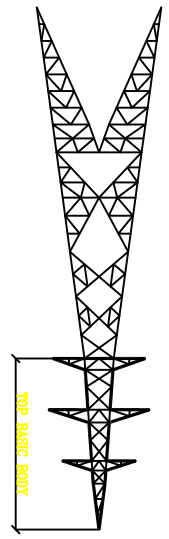
CLIENT:	YAZD REGIONAL ELECTRIC CO.				
CONSULTANT:	MONENCO IRAN CO.			DRWG. NO.:	
CONTRACTOR:	YASAN CO.			DRWN.:	ARASHK
TOWER TYPE:	TENSION VTM60			CHKD.:	ARASHK
SECTION OF TOWER:	TOP BASIC BODY			APPVD.:	ALIAKBARI
SCALE:	NONE			DATE:	1390/04/07

63 KV D.C TRANSMISSION LINE

MARK	DESCRIPTION	BY	CHKD.	APPVL.	DATE
A	MODIFICATION PARTS TOWER TYPE TEST	M.G	M.G	M.GH	1390/04/07
B	MODIFICATION ACCORDING TO LATEST MOS WORKS	M.G	M.G	M.GH	1390/09/07
C	MODIFICATION ACCORDING TO LATEST MOS DRAWINGS	M.G	M.G	M.GH	1390/09/15

PROJECT:



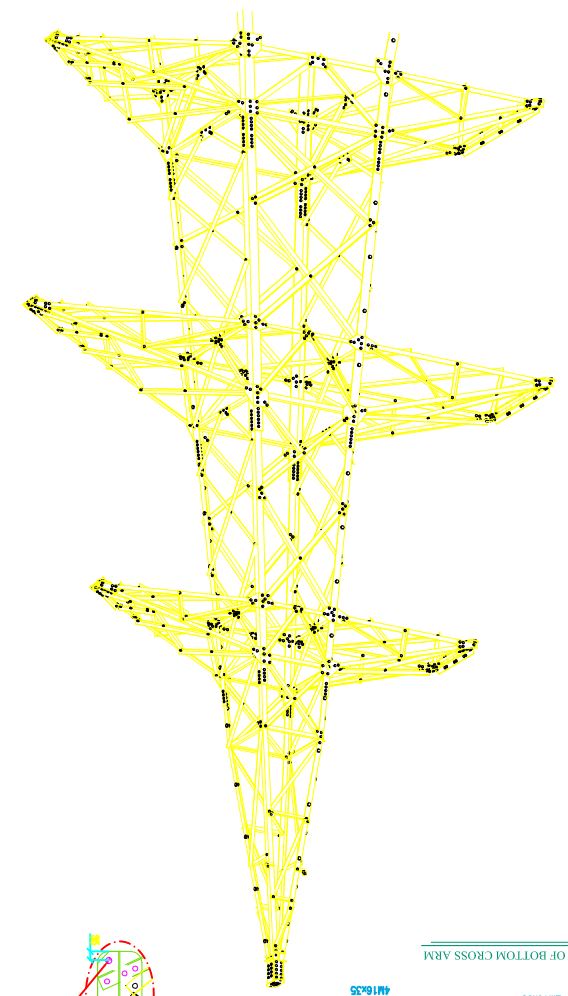
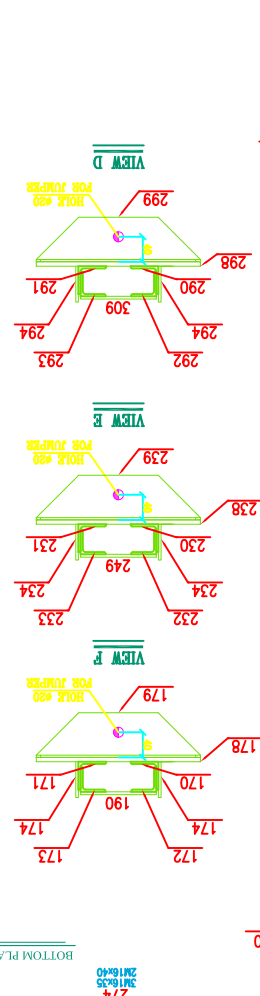
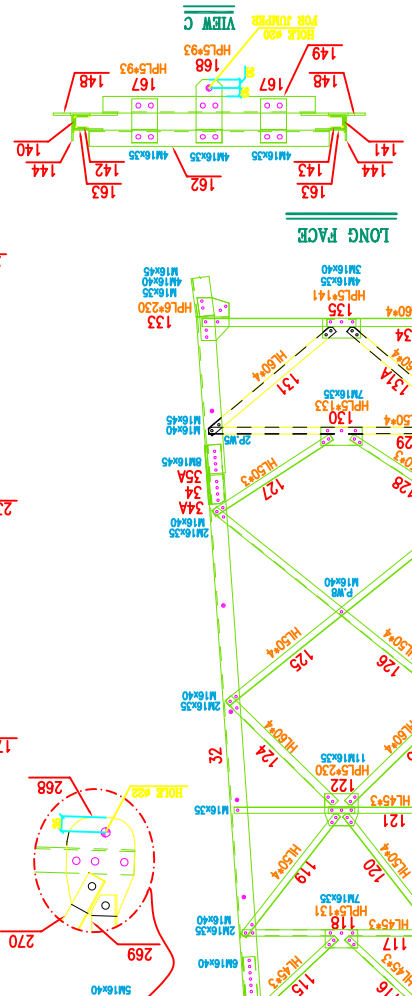
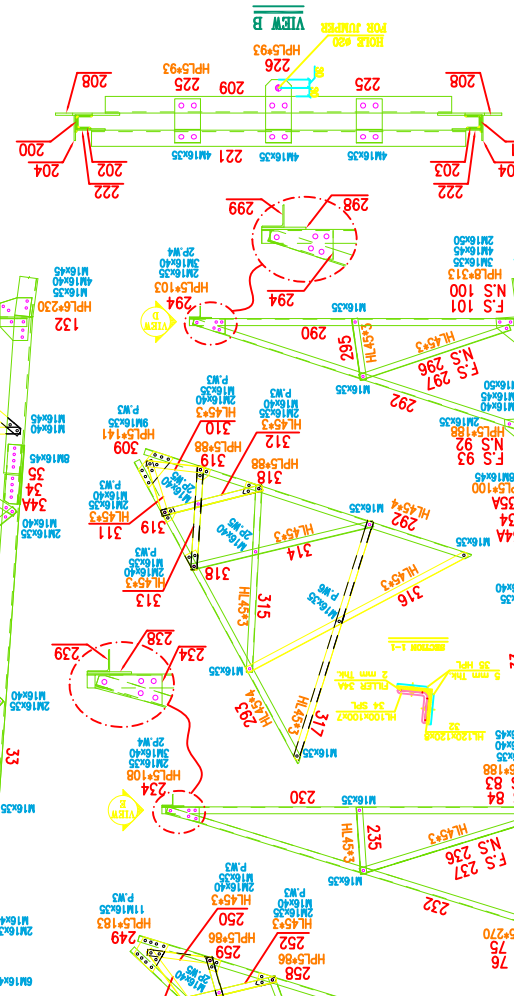
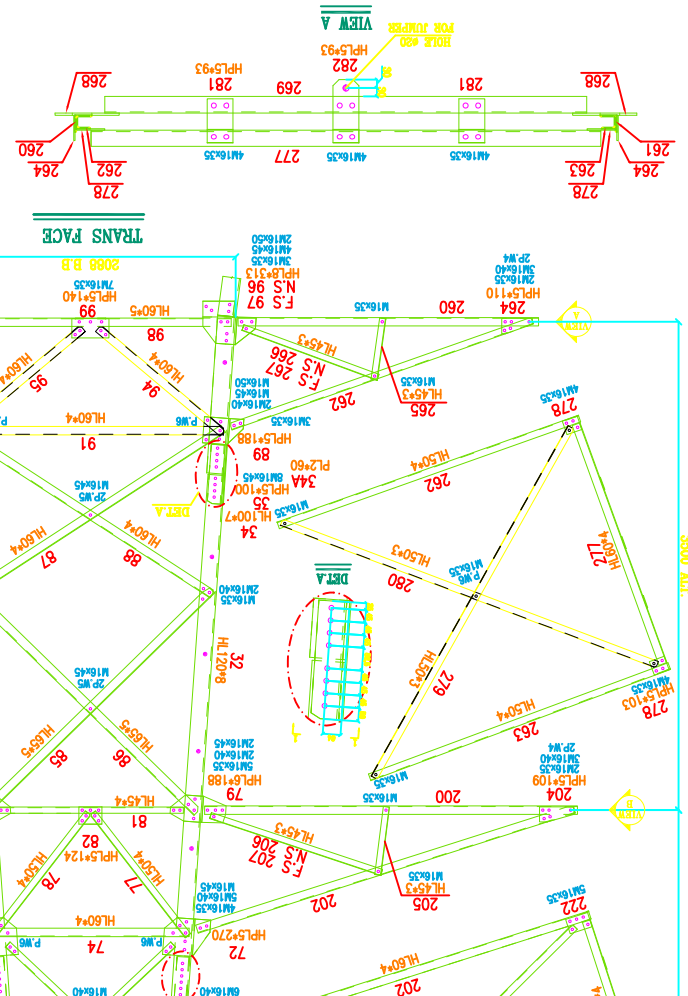
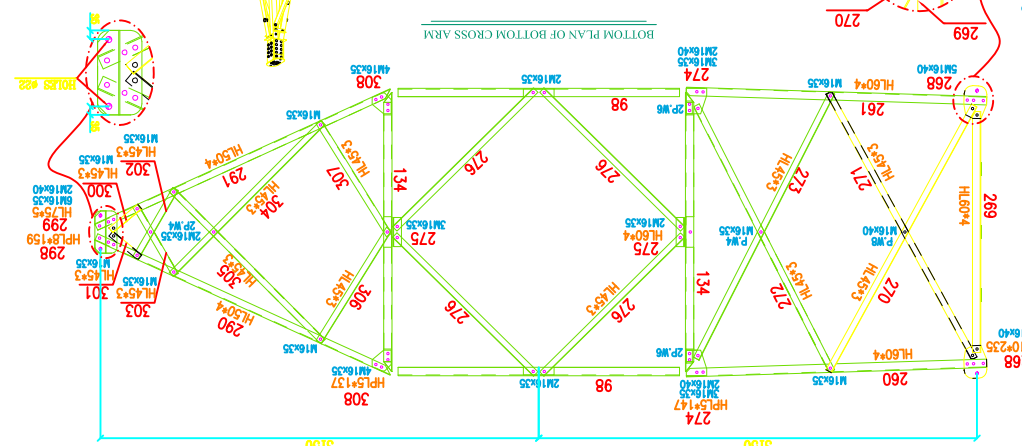
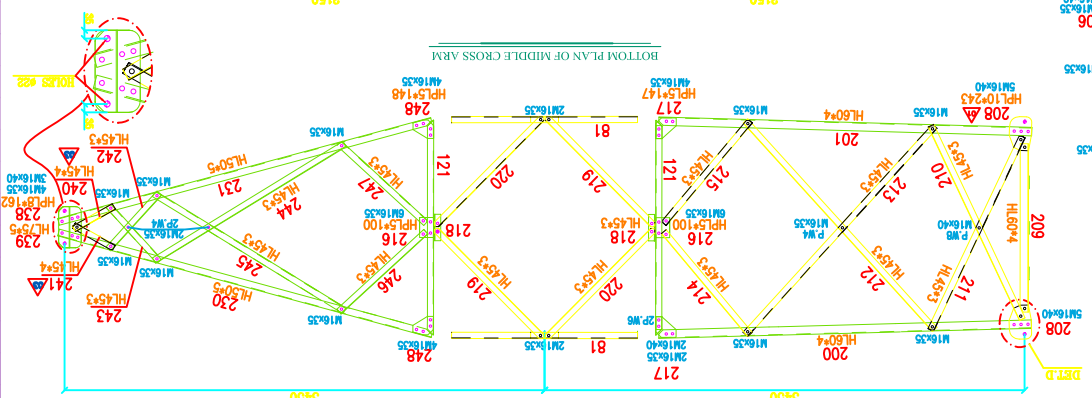
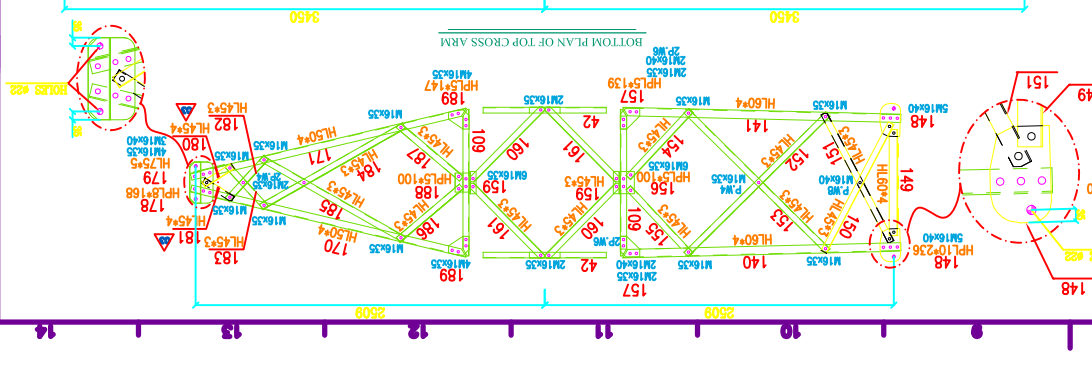
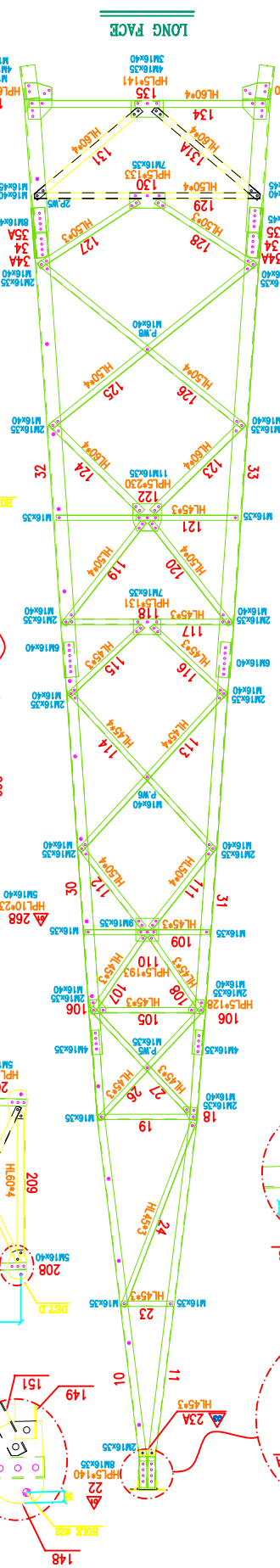
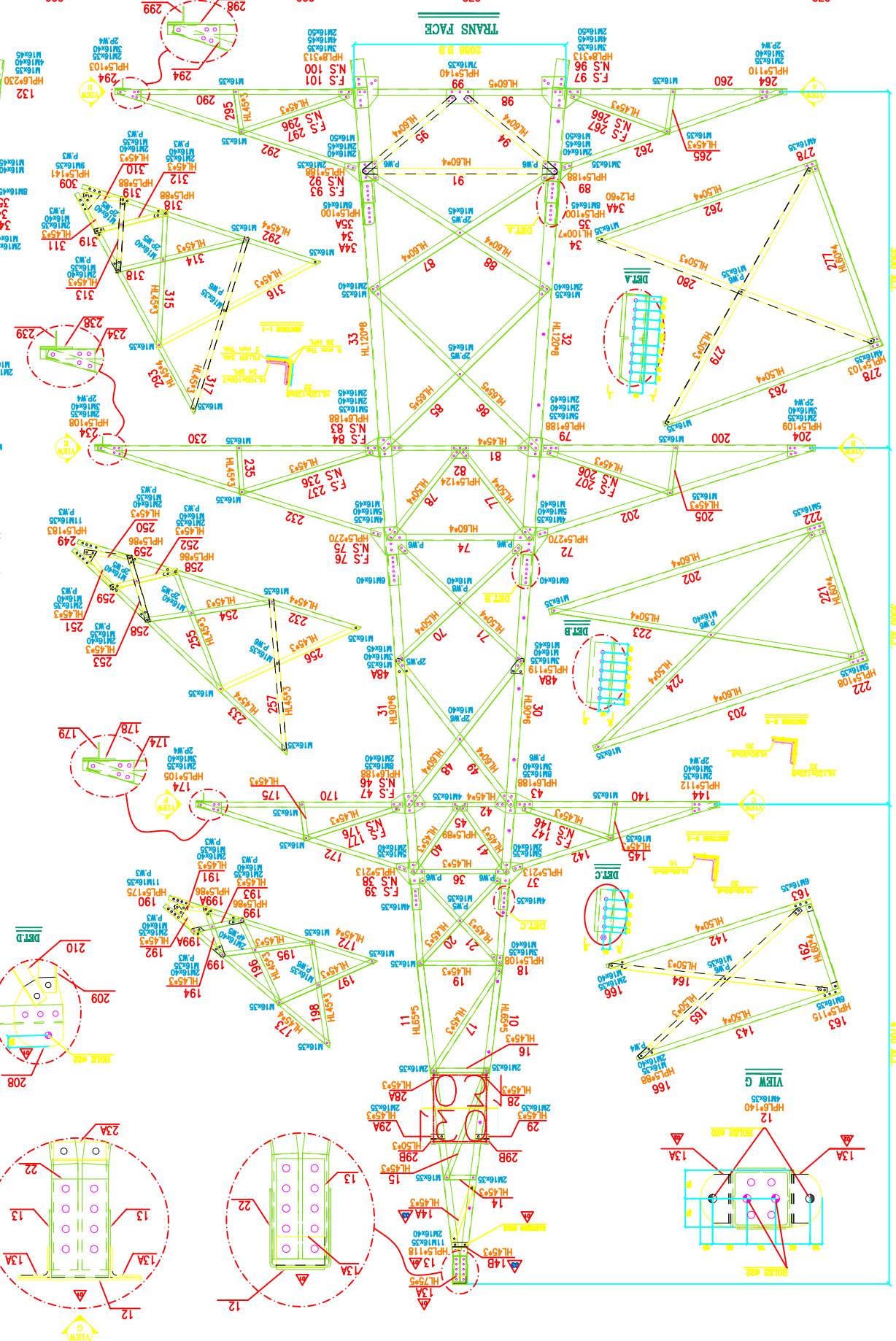
Note: 1-Reproduction of an equal and approved material is allowed only after the written permission of consultant.

NO.	ITEM	Specific Requirements / Technical Delivery Conditions
1	ANGLE	DIN EN 10056-2 HOLLO STEEL-GRADE S355J0
2	GUSSET PLATE	DIN 10048 DIN EN 10025-2 HOLLO STEEL-GRADE S355J0
3	PLATE	DIN 10048 DIN EN 10025-2 HOLLO STEEL-GRADE S355J0
4	BOLT	DIN 7990 ISO 898-part1,Grade 8.8
5	STRUCT	DIN 4026 ISO 898-part2,Grade 5
6	NUT	DIN 127 DIN 267-part 3S
7	WASHER	DIN EN ISO 4759-3 DIN EN 10083-3,Grade 35C0UR
8	GALVANIZE	ANGLES & PLATES ASTM A123
		BOLTS & NUTS & WASHERS ASTM A153

REFERENCE

NOTES:
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 "H" ARE ST:52 OTHER MEMBERS ARE ST:37

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	○
ø20 mm HOLE	◐
ø22 mm HOLE	◑
HOLE FOR STEP BOLT	◎

SPECIFICATION FOR MATERIALS