

NOTES:

- 1- ALL DIMENSION ARE IN MILLIMETERS.
- 2- DO NOT SCALE THE DRAWING
- 3- DIAMETERS OF HOLE ARE AS FOLLOWS:
#21.5 mm FOR M20, #17.5 mm FOR M16
#13.5 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 IDENTIFIED BY "H" ARE ST32
OTHER MEMBERS ARE ST37

SYMBOLS AND ABBREVIATIONS

DESCRIPTION	SYMBOL
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	○
Ø22 mm HOLE	⊙
HOLE FOR STEP BOLT	⊙

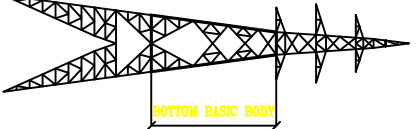
SPECIFICATION FOR MATERIALS

NO.	ITEM	REFERENCE
1	ANGLE	DN 10086-8 MUD STEEL-ANGLE BIRN TENSILE-GRABE SMOAC
2	CONCRETE	DN 10048 MUD STEEL-CONCRETE BIRN TENSILE-GRABE SMOAC
3	PLATE	DN 10046 MUD STEEL-PLATE BIRN TENSILE-GRABE SMOAC
4	BOLT	DN 7900 ISO 888-part1,Grade 5
5	NUT	DN 4088 DN 887-part 2B
6	SPRING WASHER	DN 127 DN 207-part 2B
7	PLATE	DN 10048-3 DN 10086-4,Grade 58525C
8	WASHER	DN 10086-4,Grade 58525C
9	PLATE	DN 10086-4,Grade 58525C

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.
M16x30mm	900	50mm PACK W.	16
M16x40mm	415	40mm PACK W.	36
M16x50mm	190	50mm PACK W.	45
M16x60mm	15	60mm PACK W.	62
M16x70mm	165	70mm PACK W.	69
STEP BOLT	59		
SPRING WASHER	1803		



BOTTOM BASIC BODY

63 kV D.C. TRANSMISSION LINE

YAZD REGIONAL ELECTRIC CO.

MONENCO IRAN CO.

YASAN CO.

TENSION YTMGO

BOTTOM BASIC BODY

