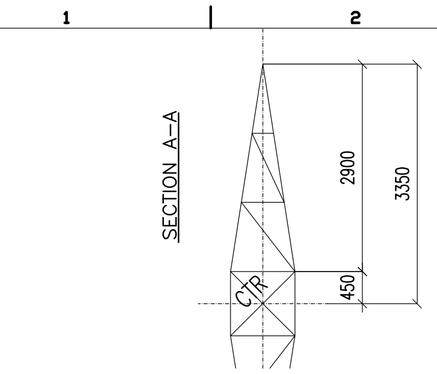
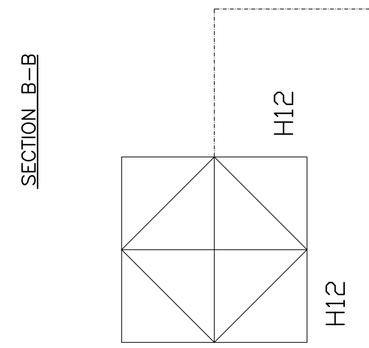
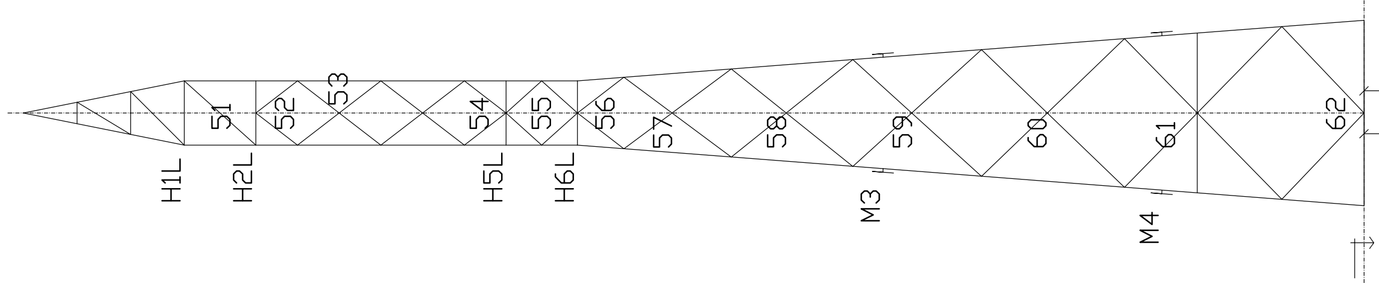
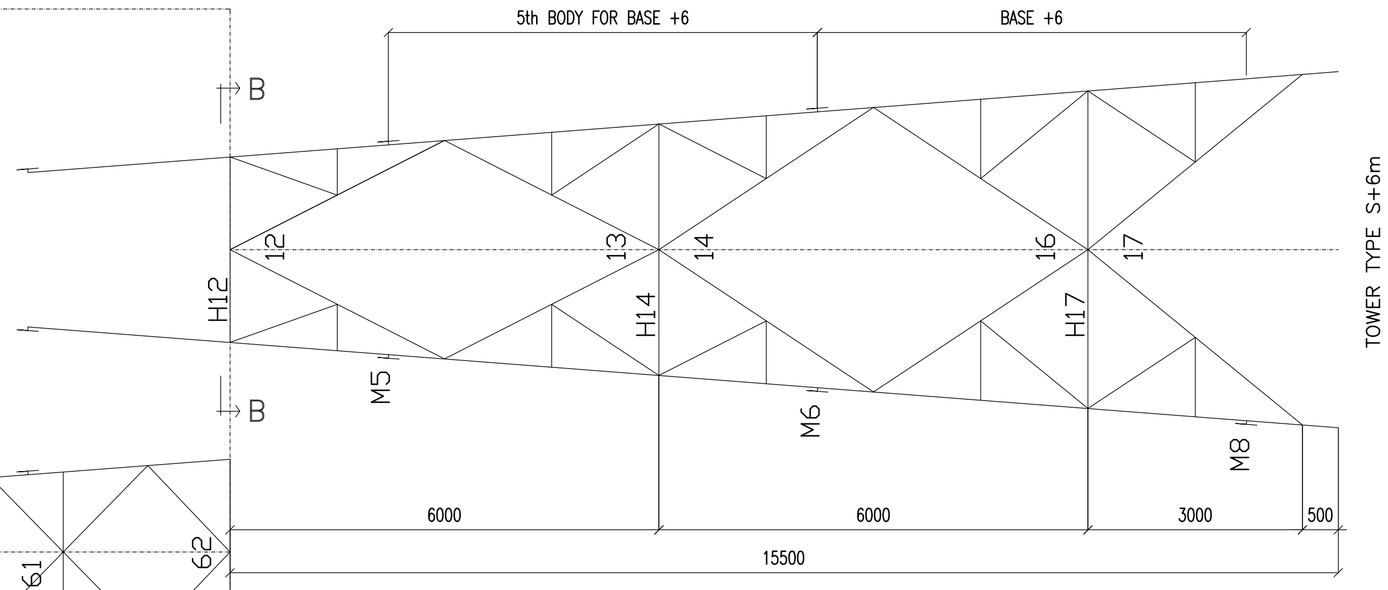
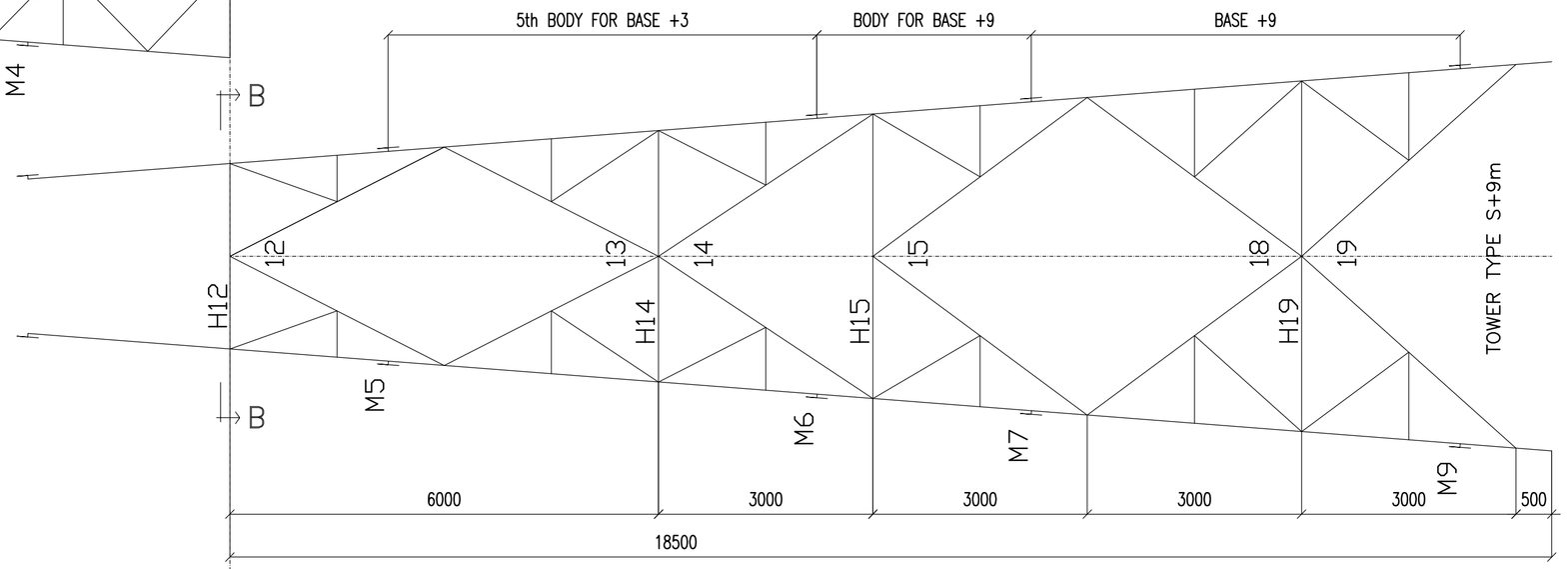
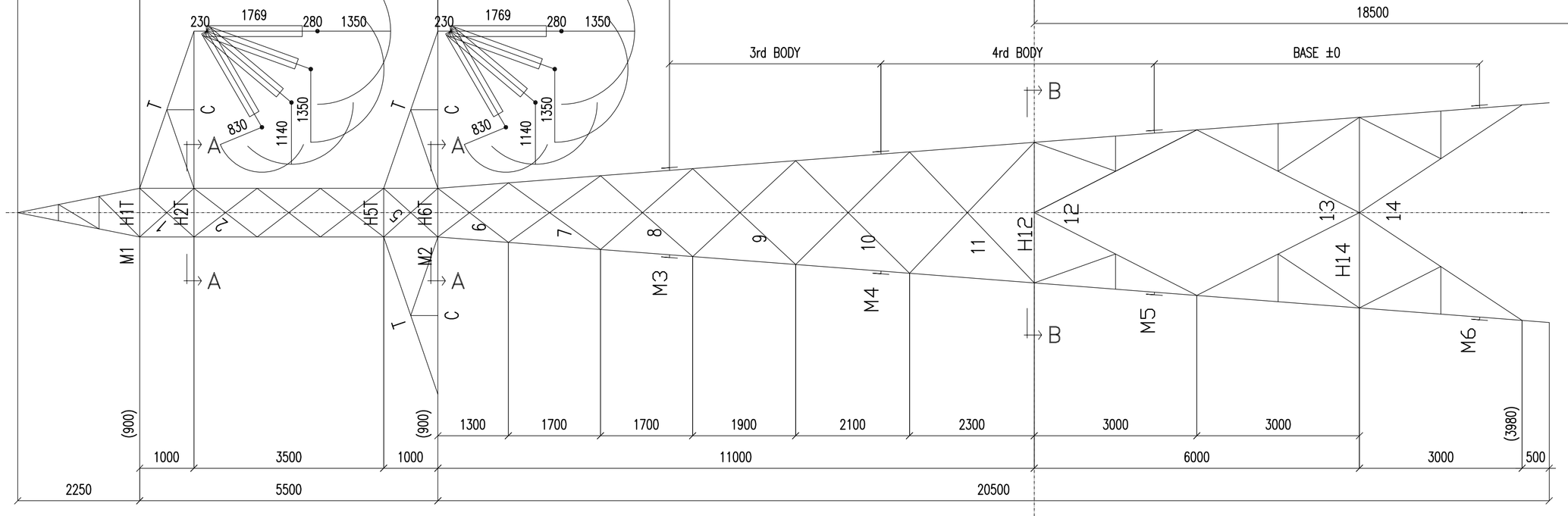


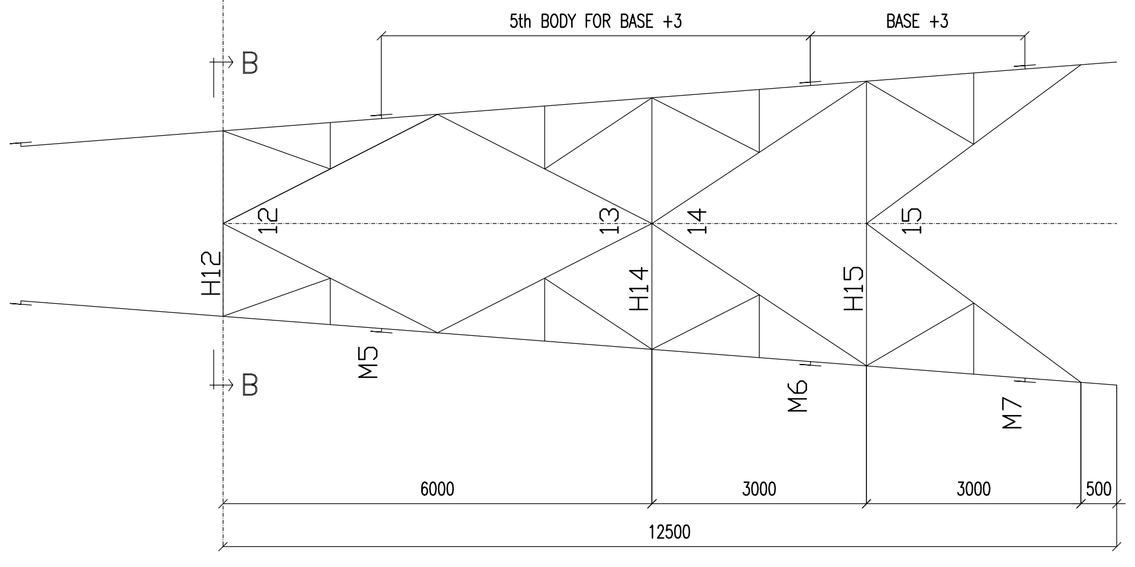



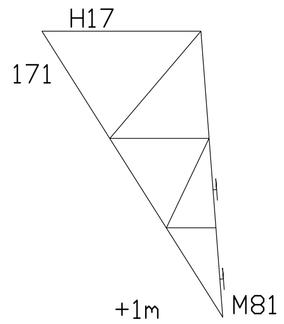



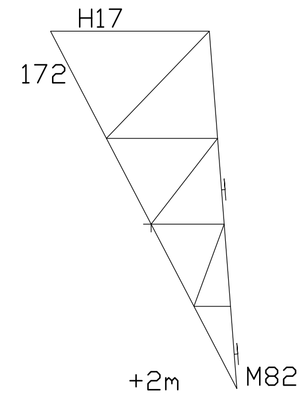



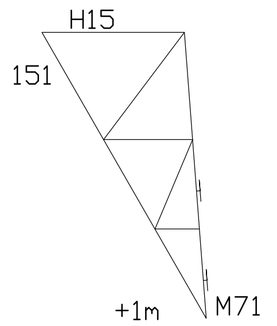



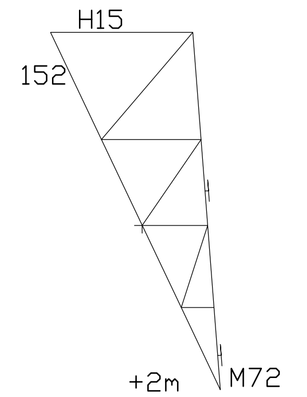

TOWER TYPE S+6m–Leg extension 1m & 2m




TOWER TYPE S+3m–Leg extension 1m & 2m




TOWER TYPE S±0m–Leg extension 1m & 2m







TOWER TYPE S+9m–Leg extension 1m & 2m







GENERAL NOTES:

TOWER CHARACTERISTICS

| | |
|---|---|
| PHASE CONDUCTOR : | 1xACSR "Lynx" 175mm² |
| EARTH WIRE : | 1xOPGW–91–AL3/45–A20SA 135,9mm² |
| DEVIATION ANGLE : | 0° to 2° |
| BASIC SPAN : | 350m |
| WIND SPAN : | 350m |
| WEIGHT SPAN : | 700m |
| UPLIFT WEIGHT SPAN : | 0m |

ULTIMATE LOADINGS (daN)

| | NORMAL WORKING CONDITION Sf = 2,50 (included) | | | BROKEN ONE ANY CABLE CONDUCTOR OR SHIELDWIRE Sf = 1,25 (included) | | |
|---|---|---|---|---|---|---|
| | VERTICAL | TRANSVERSAL | LONGITUDINAL | VERTICAL | TRANSVERSAL | LONGITUDINAL |
| CONDUCTOR | 1520 | 875 | – | 490 | 255 | 1800 |
| SHIELDWIRE | 1075 | 665 | – | 340 | 195 | 2040 |

WIND PRESSURE ON 1 1/2 TIMES THE PROJECTED AREA STEEL MEMBERS OF ONE LONGITUDINAL FACE OF THE TOWER

| | |
|---|---|
| 172,5 daN/m² | 86,3 daN/m² |

| REV. | dd/mm/yy | REVISION DESCRIPTION | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| 01 | 31/01/2013 | UP TO DATE | TCES | TCES | |
| 01 | 15/12/2012 | UP TO DATE | TCES | TCES | |

CG Holdings Belgium NV
Systems Division
Antwerpsesteenweg 167, B-2800 Mechelen
Tel.: +32(0)15/283 333 Fax.:+32(0)15/283 491
www.cgglobal.com

CLIENT:
MINISTRY OF ENERGY - REPUBLIC OF KENYA

DRAWING TITLE :
OHL 132KV SINGLE CIRCUIT
-Tower type S

ISO Symbol: | SCALE: 1/60 | LAYOUT: A1

DRAWING No.: 100008-L0-DG-ST01

THIS DRAWING SHALL NOT BE COPIED,REPRODUCED,TRANSMITTED OR GRANTED TO THIRD PARTIES WITHOUT OUR PRIOR AGREEMENT

100 mm

100 mm