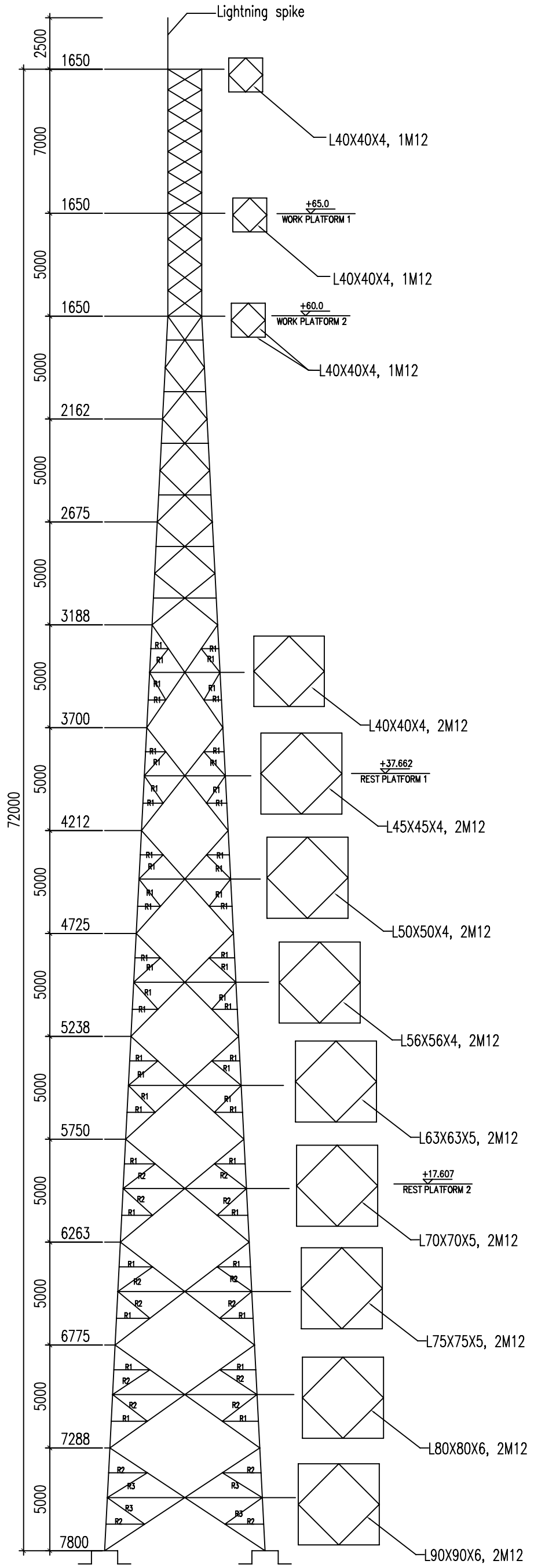
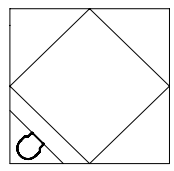
COLOR BAND														
AOL	RED	WHITE	RED	WHITE	RED	WHITE	RED	WHITE	RED	WHITE	RED	WHITE	RED	
LEGS	L140X140X12-8M20	L125X125X12-8M20	L125X125X12-6M20	L125X125X10-6M20	L125X125X10-6M20	L110X110X10-6M20	L110X110X10-6M16	L110X110X8-6M16	L110X110X7-6M16	L100X100X7-6M16	L90X90X6-6M16	L75X75X5-6M16	L63X63X5-6M16	
DIAGONALS	L75X75X6-2M16	L75X75X5-2M16	L75X75X5-2M16	L70X70X5-2M16	L63X63X5-2M16	L63X63X5-2M16	L56X56X5-2M16	L56X56X5-2M16	L56X56X4-2M16	L50X50X4-2M16	L50X50X4-2M16	L40X40X4-1M12	L40X40X4-1M12	
HORIZONTALS	L70X70X5-1M12	L63X63X5-1M12	L63X63X5-1M12	L50X50X4-1M12	L45X45X4-1M12	L40X40X4-1M12	L40X40X4-1M12	L40X40X4-1M12	L40X40X4-1M12	L40X40X4-1M12	L40X40X4-1M12	L40X40X4-1M12	L40X40X4-1M12	
BLOCKS	14	13	12	11	10	9	8	7	6	5	4	3	2	1



General notes:

1. Design parameters:
   - 1.1 Wind velocity = 150kph, 3s gust wind speed
   - 1.2 Wind loads as per ANSI/TIA-222-G
   - 1.3 Antenna loading 12sqm over top 10m of the tower
   - 1.4 Exposure category = C
   - 1.5 Topographic category = 1
   - 1.6 Classification of tower = II
   - 1.7 Max. twist& sway = ± 0.5 degree at 70% * 150kph
2. Material
   - 2.1 Tower legs from block 1-9 are Q345B, from block 10-14 are Q420B. Q235B for other members.
   - 2.2 Bolts shall be ISO grade 8.8.
   - 2.3 All leg bolts are in double shear. All other bolts are in single shear.
   - 2.4 R1-L40X40X4, R2-L45X45X4, R3-L50X50X4, with bolt of 1M12.
3. Galvanizing and erection
   - 3.1 Galvanizing to be in accordance with ISO 1461 specifications.
   - 3.2 All components include bolts shall be hot dip galvanized.
   - 3.3 Tower anchor bolts shall be embedded truly aligned and leveled with the aid of template.



LADDER POSITION

DESIGN COMPANY	Broadcast Europe		
SUB ITEM	72m-GBT-150KPH-12SQM		
DRAWING TITLE	OUTLINE DRAWING		
DESIGN BY:			
SCALE		DISCIPLINE	STRUCTURE
DATE	201711	DRAWING NO.	

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