TYPICAL MAST 650F/H09 ASSEMBLY DRAWING GUY WIRES RANGE SCALE 1:100 SCALE 1:50 7,79m + 9,00m 6,93m 5,20m 3.00m + 6,00m GUY WIRE - ROPE d=5mm P-1 P-1 9,00m + 3,00m NOTES: 1. Typical mast construction M650F/H9 2. Aluminum alloy: EN AW-6005A T6 Results may vary depending on local geometry and mast foundation Characteristic wind speed: V_k=22m/s Terrain category: II Reliability class: II Ice density: 700kg/m³ 9. Ice thickness: 2,0cm 10. Equipment total weight limit on the mast: 100kg 11. Equipment area on the mast: - S=1,5m² at the top of the mast 12. Calculations made for anchorages in distances: L=3,0m; 4,0m or 4,5m ± 0,00m

- 3. Connections: fillet welded with TIG (GTAW) argon methode by the requirements of ISO 3834-2

- 13. Mast must be set under construction law
- 14. Construction on which mast will be located must be able to transfer reactions
- 15. Lead assembly with wind speed not more than 5m/s
- 16. Guy wires: steel ropes 5mm Rm=1770MPa T6x7 by EN 12385
- 17. Initial tension of guy wires: from 8% to 15% of rated breaking strength of the guy

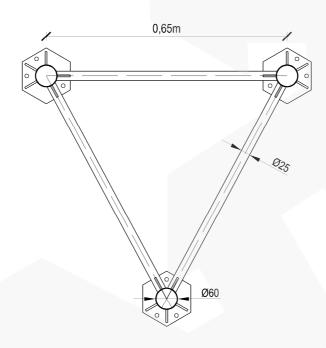
Manufacturer:	RETIS WWW.RETIS.PL WWW.MASZTY-RET	IS.PL	
Investment:	SERIES OF ALUMINUM LA	ATTICE MASTS - TYPE- 650)F
Drawing title: TYPICA	AL MAST M650F/H09 - ASSEN	1BLY DRAWING + GUY WIR	ES RANGE
Date: 02.2013	Phase: typical project	Project No.: RETIS M650F	Revision:
Industry: construction	Project No.: RETIS_KK	 C_M650F_H09_01	

TYPICAL MAST M650F/H09



SECTION 1-1

SCALE 1:10



Maximum reactions for the anchorages:

[kN]	Base	Guys
	F _x =0,93	F _x =3,85
L=3,0	F _y =0,96 F _z =19,29	$F_y = 3.91$ $F_z = 10.15$
		. ,
1-40	F _x =0,73	F _x =4,03 F _v =4,10
L=4,0	F _y =0,75 F _z =15,12	$F_z = 7,70$
	F _x =0,66	F _x =4,09
L=4,5	F _v =0,68	F _y =4,16
	F _z =13,69	F _z =6,87

Maximum forces in guy wire ropes for distances:

[kN]	P-1
L=3,0	11,09
L=4,0	9,00
L=4,5	8,35

- Typical mast construction M650F/H9
 Aluminum alloy: EN AW-6005A T6
- 3. Connections: fillet welded with TIG (GTAW) argon methode by the requirements of ISO 3834-2
- 4. Results may vary depending on local geometry and mast foundation
- 5. Characteristic wind speed: V_k=22m/s
- 6. Terrain category: II
 7. Reliability class: II
- 8. Ice density: 700kg/m³
- 9. Ice thickness: 2,0cm
- 10. Equipment total weight limit on the mast: 100kg
- 11. Equipment area on the mast:
 - S=1,5m² at the top of the mast
- 12. Calculations made for anchorages in distances:

L=3,0m; 4,0m or 4,5m

- 13. Mast must be set under construction law
- 14. Construction on which mast will be located must be able to transfer reactions
- 15.Lead assembly with wind speed not more than 5m/s
 16.Guy wires: steel ropes 5mm Rm=1770MPa T6x7 by EN 12385
- 17. Initial tension of guy wires: from 8% to 15% of rated breaking strength of the guy

Manufacturer:	RETIS WWW.RETI	IS.PL WWW.MASZTY-RETIS.PI	L	
Investment:	SERIE	ES OF ALUMINUM LAT	TICE MASTS - TYPE- 650)F
Drawing title:	TYF	PICAL MAST M650F/H0	9 - SECTION + FORCES	
Date: 02.2013	F	Phase: typical project	Project No.: RETIS M650F	Revision:
Industry: constructio		Project No.: RETIS_KK_N	л650F_H09_02	