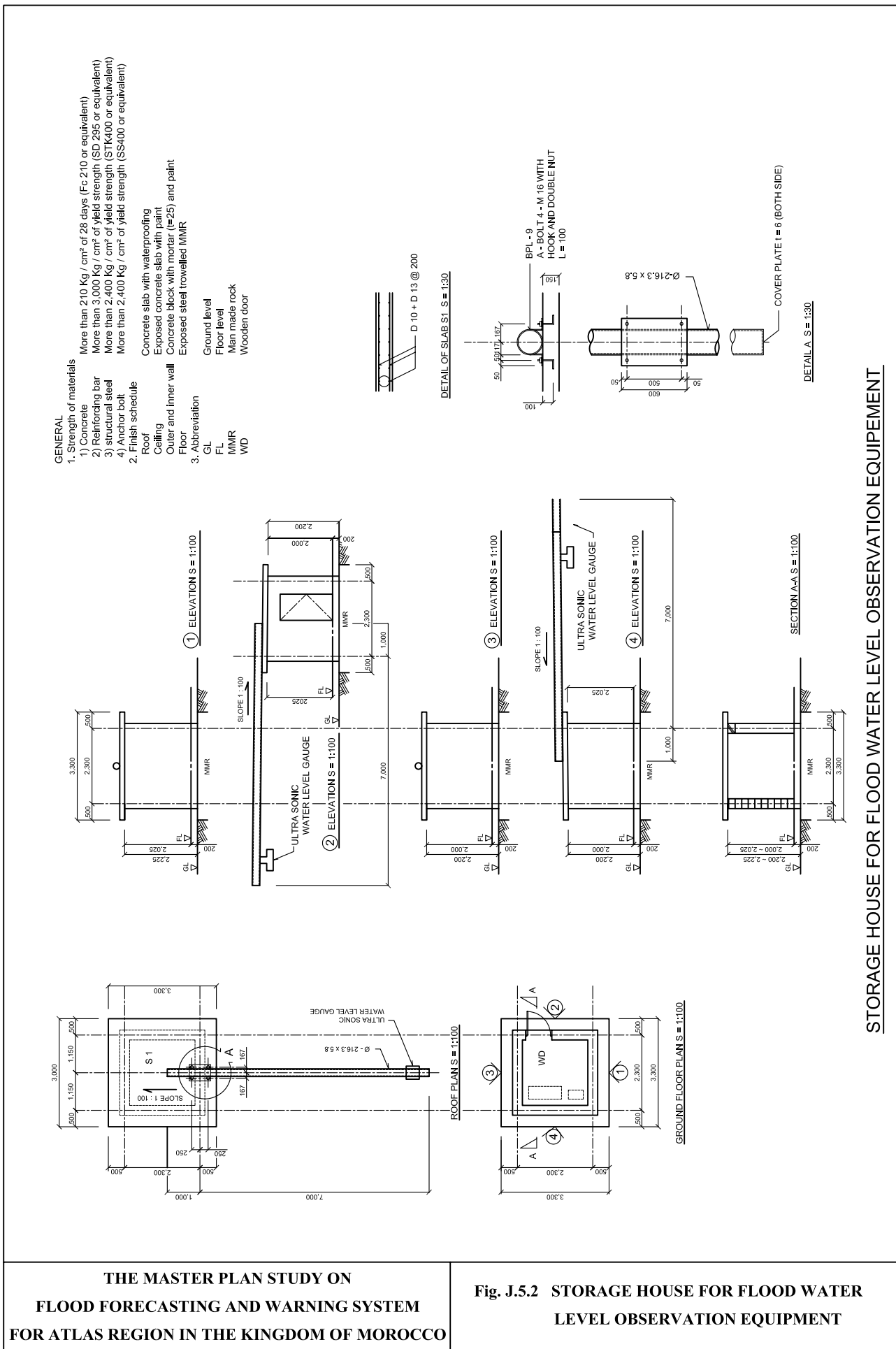


**OBSERVER'S HOUSE**

**THE MASTER PLAN STUDY ON  
FLOOD FORECASTING AND WARNING SYSTEM  
FOR ATLAS REGION IN THE KINGDOM OF MOROCCO**

**Fig. J.5.1 OBSERVER'S HOUSE**



GENERAL

1. Strength of materials

- 1) Concrete

More than 210 Kg / cm<sup>2</sup> of 28 days (Fc 210 or equivalent)
- 2) Reinforcing bar

More than 3,000 Kg / cm<sup>2</sup> of yield strength (SD 295 or equivalent)
- 3) Structural steel

More than 2,400 Kg / cm<sup>2</sup> of yield strength (SS 400 or equivalent)
- 4) Fastening bolt

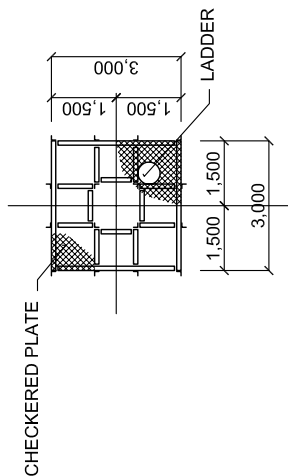
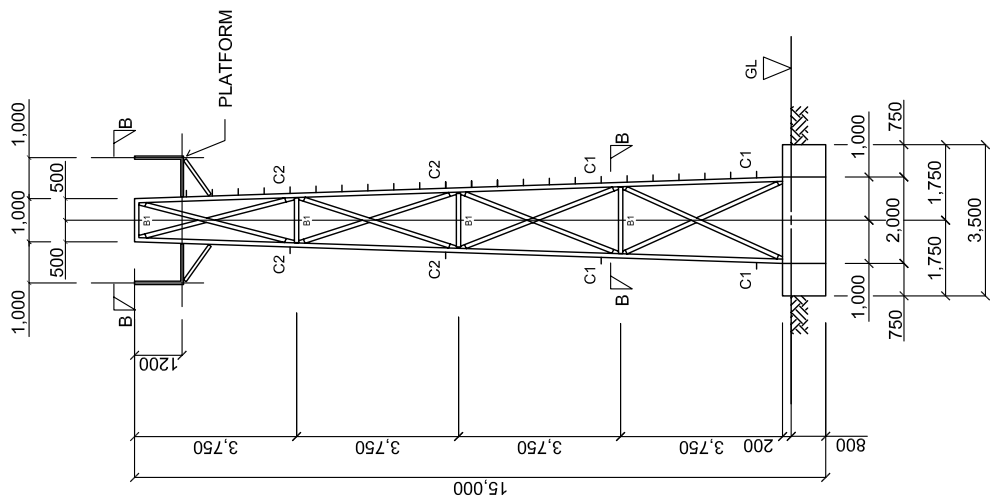
More than 9,000 Kg / cm<sup>2</sup> of yield strength (F 10 T 400 or equivalent)
- 5) Anchor bolt

More than 2,400 Kg / cm<sup>2</sup> of yield strength (SS 400 or equivalent)
- More than 2,400 Kg / cm<sup>2</sup> of yield strength (SS 400 or equivalent)

3. Abbreviation

GL

Ground level

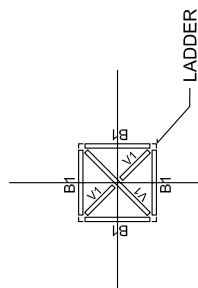


SECTION B-B S = 1:100

Unless otherwise indicated member are  
B2 and L - 75 x 75 x 9

MEMBER LIST

C1	B1	L - 100 x 100 x 13
C2		L - 90 x 90 x 13
V1	B2	L - 75 x 75 x 9

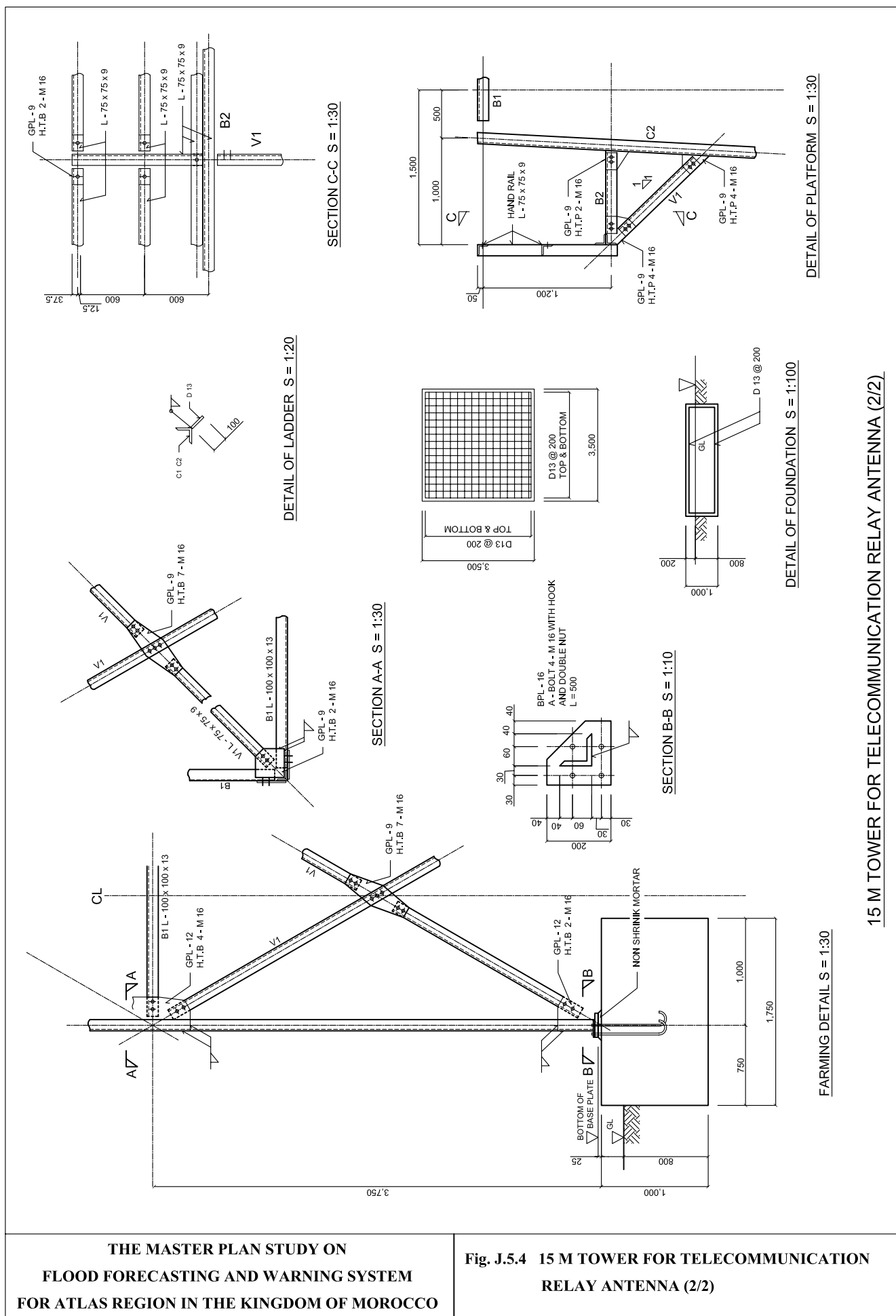


SECTION A-A S = 1:100

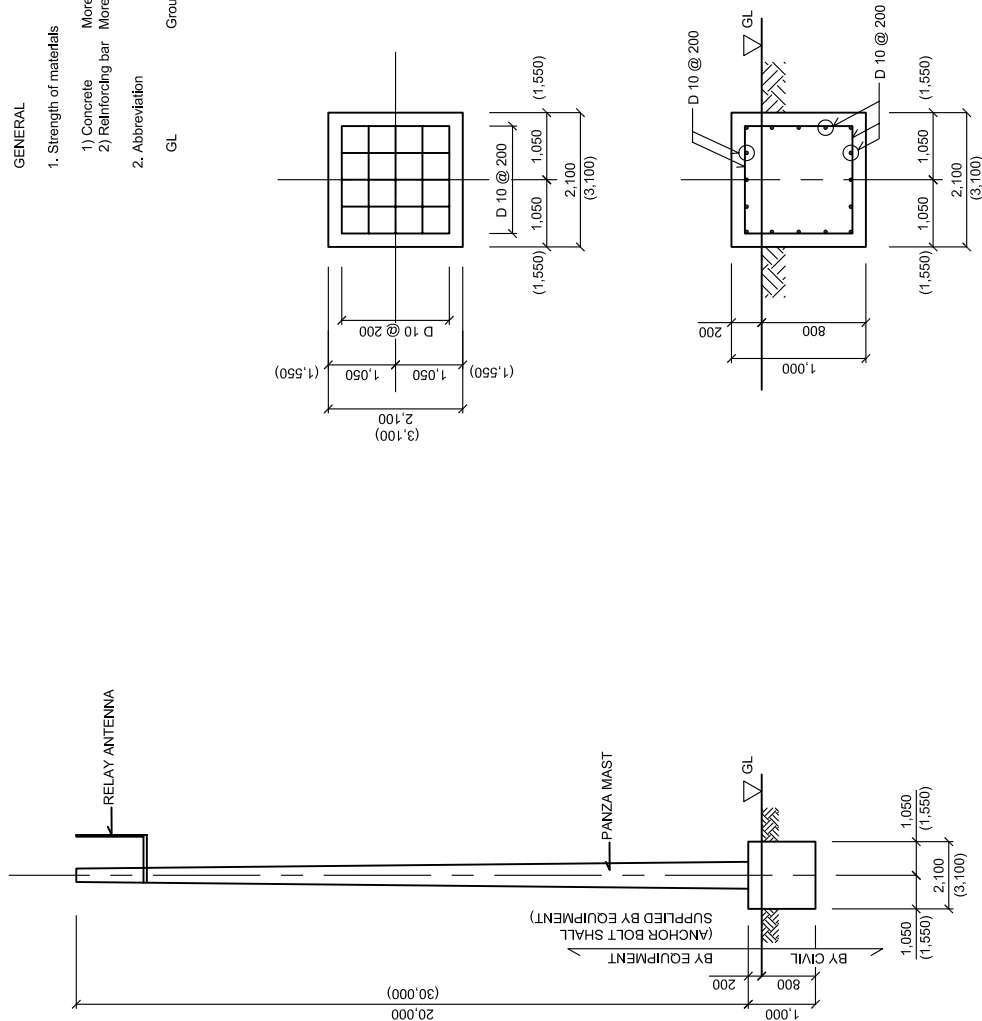
ELEVATION S = 1:100

Unless otherwise indicated member V1

15 M TOWER FOR TELECOMMUNICATION RELAY ANTENNA (1/2)



- GENERAL
1. Strength of materials
- 1) Concrete More than 210 Kg / cm<sup>2</sup> of days (Fc 210 or equivalent)
- 2) Reinforcing bar More than 3,000 Kg / cm<sup>2</sup> of yield strength (SD 295 or equivalent)
2. Abbreviation
- GL Ground level



ELEVATION S = 1:100

DETAIL OF FOUNDATION S = 1:50

## FOUNDATION OF MAST FOR TELECOMMUNICATION RELAY ANTENNA