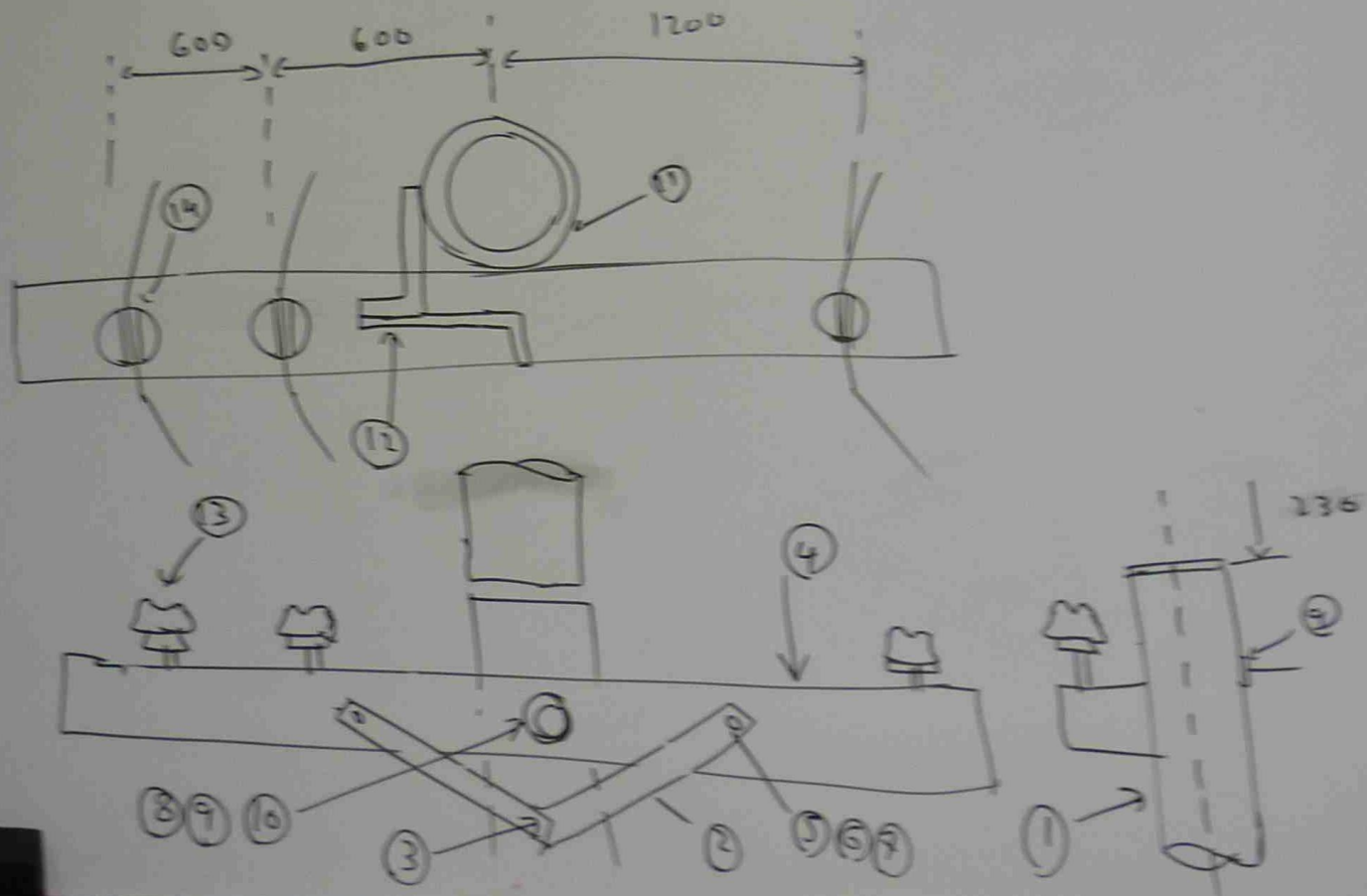


SAMPLE SPECIFICATION

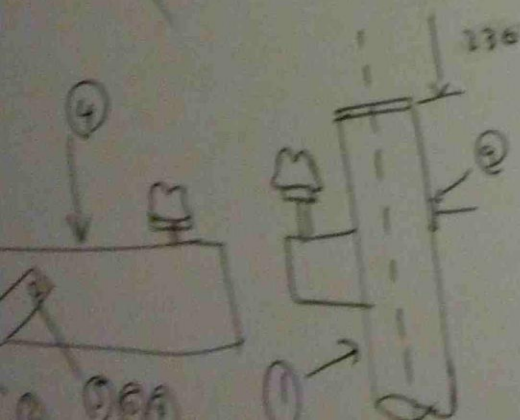
THE CONTRACTOR TO PROVIDE TECHNICAL CONSTRUCTION SERVICE FOR
11KV, PIN CONSTRUCTION 2700 CROSS STRUCTURE

11 KV PIN CONSTRUCTION CROSS ARM STRUCTURE
2700



AL CONSTRUCTION SERVICE FOR
CROSS STRUCTURE

CROSS ARM STRUCTURE
2700



(14) - TIE WIRE

(13) 11/22KV HYDRODYNAMIC INSULATION
AND PIN ATTACHMENT

(12) BONDING ARRANGEMENT

(11) BLOCK GAIN - ALUMINIUM

(10) WASHER CONICAL M20

(9) WASHER SQUARE GALV 50x50x6 mm
22 mm DIA HOLE

(8) BOLT AND NUT GALV 146x M20

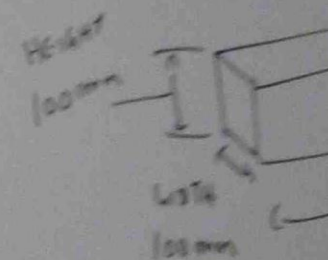


(7) WASHER CONICAL

(6) WASHER ROUND GALV

(5) BOLT AND NUT

(4) CROSS ARM 23



(3) SCREW

(2) PRICE

DRAWING
NO.

INSULATOR

4m

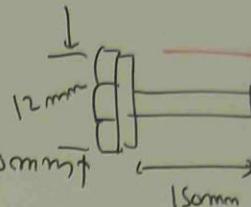
3

3

⑦ WASHER CONICAL M12

⑥ WASHER ROUND GALV 12mm

⑤ BOLT AND NUT HEX M12 X 150mm



④ CROSS ARM 2700 X 100 X 100

LENGTH

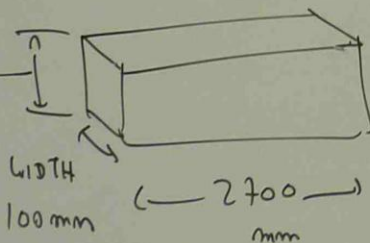
WIDTH

HEIGHT

HW

HARD WOOD

HEIGHT
100mm



50x50x6 mm

22 mm DIA HOLE

1 Hex M20



③ SCREW CORCH GALV M12 X 100mm

② BRACE CROSS ARM GALV 670mm

SAFETY TESTING

ALL 11KV INSTALLATIONS MUST BE INSULATION RESISTANCE (IR) TESTED BEFORE COMMISSIONING (IR) BEFORE RE-ENERGIZING AFTER ALTERATION.

PHASING AND INSULATION RESISTANCE

- ALL NEW AND EXISTING H.V MAINS AND APPARATUS CAPABLE OF BEING PARALLELED OR INTER CONNECTED WITH THE EXISTING H.V DISTRIBUTION SYSTEM IS PHASED.
- PHASING MUST ALSO BE TESTED.

11KV INSTALLATIONS — TEST WITH 1000V INSULATION TESTER
100M Ω RANGE

MINIMUM ACCEPTABLE IR (INSULATION RESISTANCE)

400 MΩ PHASE TO PHASE

100+ MΩ PHASE TO EARTH

ELECTRICITY SAFETY ACT 1945

OHS ACT 2000

OHS REGULATION 2001

ENVIRONMENTAL REGULATIONS

& ACTS

AS 1307.2 SURGE ARRESTERS - METAL OXIDE TYPE FOR AC SYSTEM

AS 1824.1 INSULATION CO-ORDINATION

AS 1824.2 INSULATION CO-ORDINATION APPLICATION TYPE

AS 3675 CONDUCTORS - COVERED OVERHEAD FOR WORKING VOLTAGE

6.35 / 11 kV

AS 3599.1 ELECTRIC CABLE, AERIAL BUNDLES

AS 3766 FITTINGS FOR AERIAL BUNDLED CABLE

ESAA HB C(6)-2 - GUIDING & MAINTENANCE OF OH
1999 DISTRIBUTION & TRANSMISSION LINE.

SAMPLE SPECIFICATION

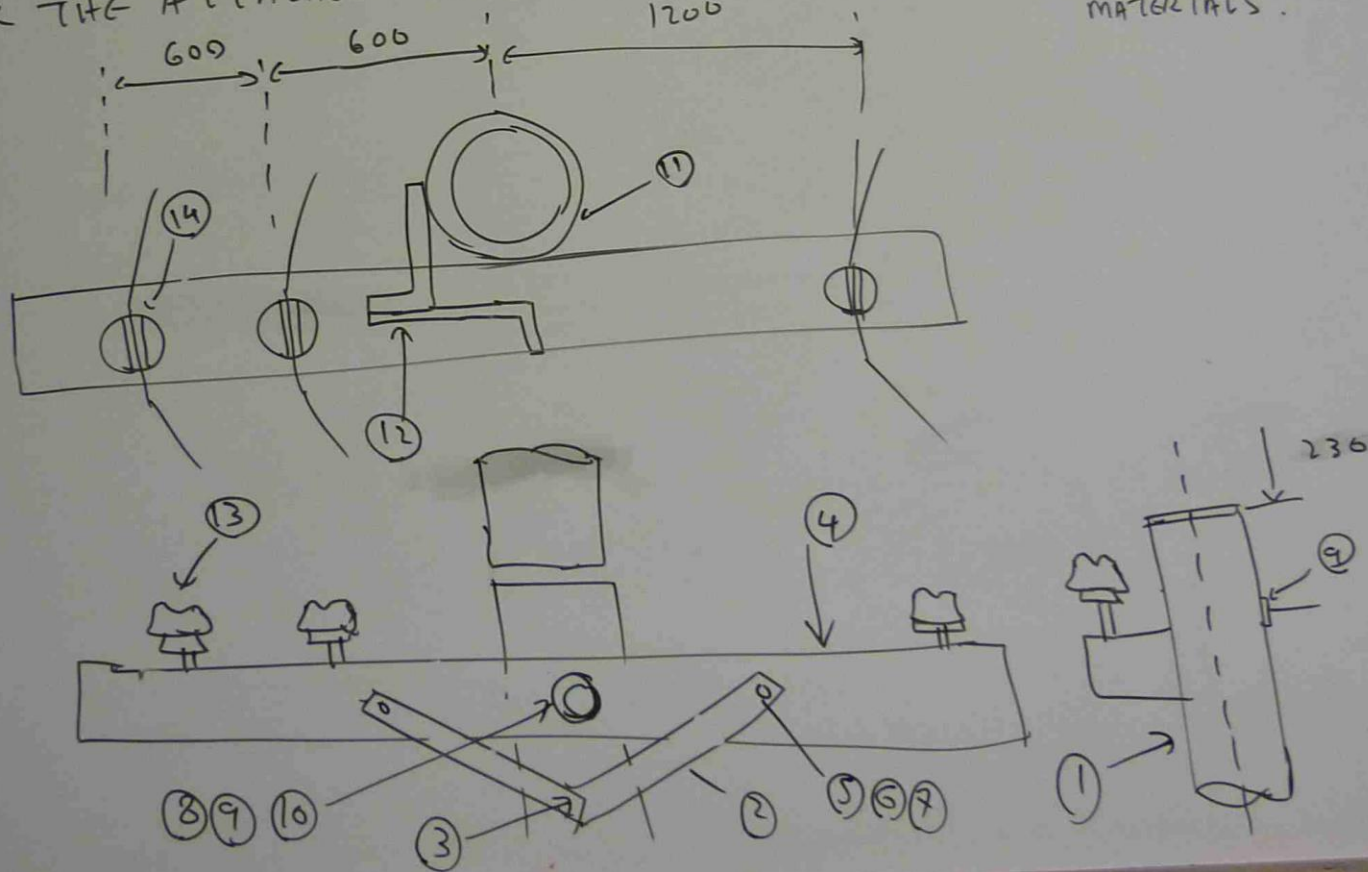
— THE CONTRACTOR TO PROVIDE TECHNICAL CONSTRUCTION SERVICE FOR
11KV, PIN CONSTRUCTION 2700 CROSS STRUCTURE

— LINE TO LINE CLEARANCE MUST BE MINIMUM OF 600mm

— CROSS ARM 2700 X 100 X 100mm HARD WOOD.

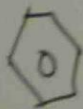
— REFER THE ATTACHED DIAGRAM FOR DETAILED CONSTRUCTIONS & REQUIRED MATERIALS.

DRAWING

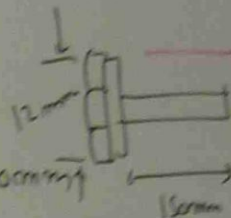


MATERIALS LIST

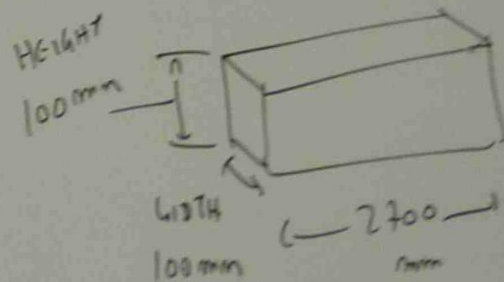
- (14) - TIE WIRE _____ DRAWING NO. _____ 4mm
 (13) 11/22KV AERODYNAMIC INSULATOR _____ 3
 AND PIN ATTACHMENT _____
 (12) BONDING ARRANGEMENT _____ 3
 (11) BLOCK GAIN - ALUMINIUM _____ 1
 (10) WASHER CONICAL M20 _____ 1
 (9) WASHER SQUARE GALV 50x50x6 mm _____
 22 mm DIA HOLE
 (8) BOLT AND NUT GALV 14x M20 _____



- ⑦ WASHER CONICAL M12
- ⑥ WASHER ROUND GALV 12mm
- ⑤ BOLT AND NUT HEX M12



- (4) CROSS ARM
- | | | | |
|--------|-------|---------|-----------|
| | 2700x | 100x100 | HW |
| | ↑ | ↑ | ↑ |
| LENGTH | | WIDTH | HEIGHT |
| | | | HARD WOOD |



- (3) SCREW COACH GALV M12 x 100mm
- (2) BRACE CROSS ARM GALV 670mm

① POLE (AS REQUIRED) —

- ALL CONSTRUCTION WORKS MUST COMPLY WITH THE FOLLOWING SAFETY TESTING PROCEDURES.

IF THERE ARE A LOT OF PROCEDURES, ATTACHMENT MUST BE INDICATED.

SAFETY TESTING

ALL 11KV INSTALLATIONS MUST BE INSULATION RESISTANCE (IR) TESTED BEFORE COMMISSIONING (OR) BEFORE RE-ENERGIZING AFTER ALTERATION.

PHASING AND INSULATION RESISTANCE

- ALL NEW AND EXISTING H.V MAINS AND APPARATUS CAPABLE OF BEING PARALLELED OR INTER CONNECTED WITH THE EXISTING H.V DISTRIBUTION SYSTEM IS PHASED.
- PHASING MUST ALSO BE TESTED.

11KV INSTALLATIONS — TEST WITH 1000V INSULATION TESTER
100M Ω RANGE

- PROVIDE APPROPRIATE STORAGE PLACE, MATERIAL HANDLING PROCEDURE AND INSURANCE COVER FOR MATERIALS

- TOOL

- KEEP THE TRACK OF TOOL

- WHEN THE PROJECT IS GOING ON, RECORD THE USED MATERIALS & PRICES (MANAGEMENT ACCOUNTING)

- VERIFY MATERIAL LIST WITH YOUR PROJECT PLAN AND SCHEDULES.

- MAKE THE POLICY THAT TOOL MUST BE RETURNED TO STORE AS SOON AS THE JOB IS FINISHED.