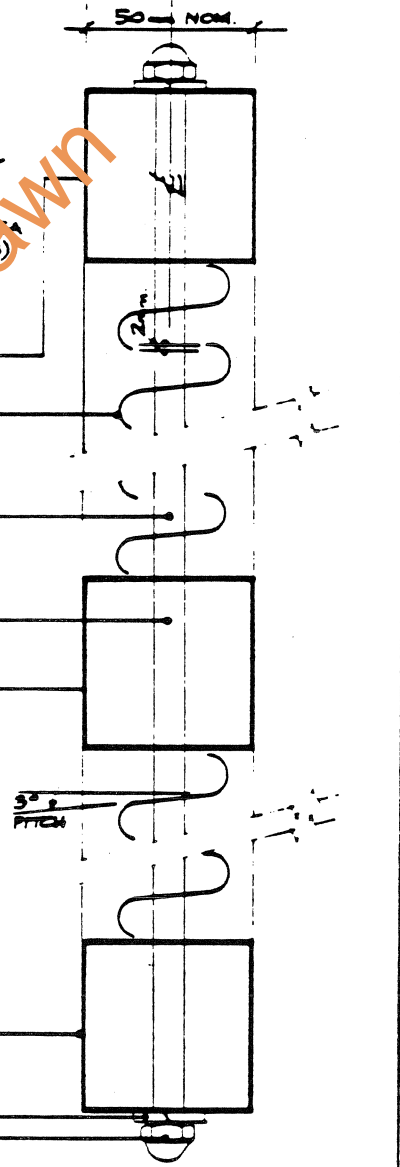


TEST CRITERIA
 THE MASTERBILT 4x20 LOUVRED CYCLONE SHUTTER ASSEMBLY REFERRED TO IN THESE DESIGN DATA SHEET DRAWINGS IS BASED ON A SUCCESSFULLY TESTED FULL SCALE PROTOTYPE SHUTTER. THE TEST WAS CARRIED OUT AS PER CRITERIA STIPULATED IN CLAUSE 30.1 OF THE DARWIN AREA BUILDING MANUAL 1975 (4.19x20.1). THE TEST WAS CONDUCTED BY THE C.S.I.R.O., HIGHTT, VICTORIA, ON THE 5th SEPTEMBER, 1975.

- STEEL BOX SECTION MID RAIL 50mm x 50mm x 1.6mm NOM. TH.
- 'S' SHAPED 100mm TH. STEEL HORIZONTAL LOUVER BLADE.
- STEEL TIE 200 (1NO)
- STEEL TIE 200 PASSES THROUGH MID RAIL MEMBER.
- STEEL BOX SECTION MID RAIL 50mm x 50mm x 1.6mm NOM. TH.
- BOLT 10mm
- MASTERBILT SINGLE-ACTION (DOUBLE ENGAGING) BOLT AND NUT REFER SHEET 2/2
- ADJUSTABLE WALL/LOCKING BRACKET - REFER SHEET 2/2
- KNOB
- STEEL BOX SECTION BOTTOM RAIL 50mm x 50mm x 1.6mm NOM. TH.
- STEEL SPRING WASHER ACORN NUT



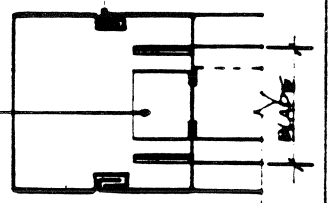
A.A-TYPICAL SECTION DETAIL
 SCALE 1:2

ELEVATION DETAILS
 SHOWING THE THREE ALTERNATIVE METHODS OF FIXING AND ADJUSTMENT OF SHUTTER INCLUDING ACCESSORIES. NOTATION ① FIXED SHUTTER PROVIDED WITH 4 HINGES AND TAMPER-PROOF BOLTS.
 ② SIDE-HUNG SHUTTER ON HINGES INCL. MASTERBILT SINGLE-ACTION BOLT.
 ③ PIVOT-HUNG SHUTTER ON MASTERBILT PIVOTS & BRACKETS INCL. MASTERBILT SINGLE-ACTION BOLT

MASTERBILT CYCLONE SHUTTER ASSEMBLY
 DEEMED TO COMPLY WITH CLAUSE 30.1 N.T. BUILDING MANUAL TESTED WITH 4kg x 20 m/sec. FORCE

LOCKING SEAM TO FIX 2 NO. STEEL CHANNEL SECTIONS TO FORM 50mm x 50mm STILE PERIMETER FRAME

SLOT AND THE METHOD OF FIXING HORIZONTAL LOUVER BLADES



B-TYPICAL PLAN DETAIL AT STILE
 SHOWING FIXING OF LOUVER BLADES SCALE 1:2

SUGGESTED LABELLING OF CYCLONE SHUTTERS

LABEL SHOWN FULL SIZE
 SUGGEST MECHANICAL FIXING ON CENTRE OF BOTTOM OF SUB FRAME UPON SATISFACTORY COMPLETION OF INSTALLATION
 ALL LETTERING SHOULD BE RAISED NO LETTERS SHOULD BE LESS THAN 1.5mm HIGH

MANUF'S NAME
 MASTERBILT INDUSTRIES (AUSTRALIA) PTY LTD
 ADDRESS
 59 NORMANBY ROAD NOTTINGHILL
 VIC. 3168 TEL. (03) 543 2882

CERTIFIED

 DATE 5/1/75

FIXING OF
MASTERBILT 4x20 LOUVRED CYCLONE SHUTTER ASSEMBLY (PATENT PENDING)

DESIGN DATA SHEET 1/2

NORTHERN TERRITORY
 CYCLONIC AREAS

DWG NO
 M/401/420.1
 DATE 16/9/75

APP'D DATE 12/10/77
 BUILDING SECTION ISSUE 1/775