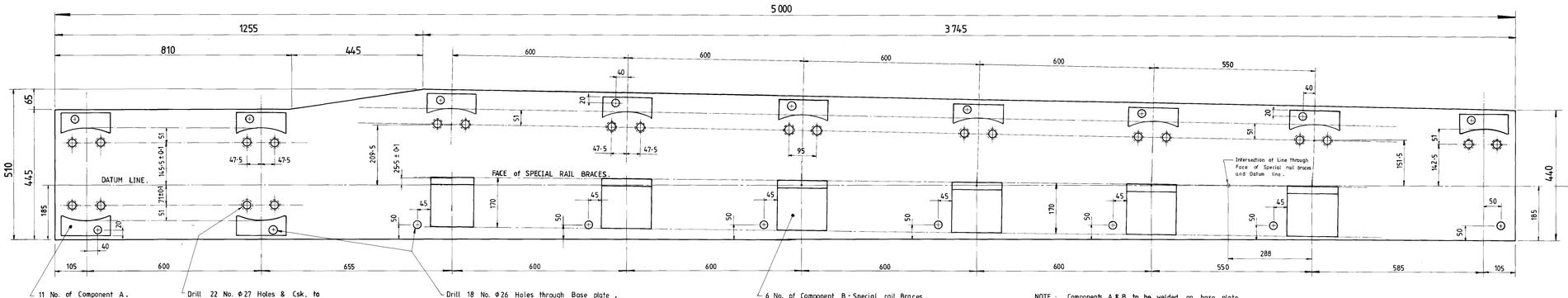
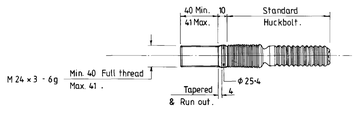


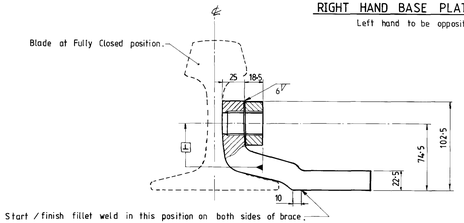
RIGHT HAND BASE PLATE 5m long, 25mm thick.

Left hand to be opposite as shown.

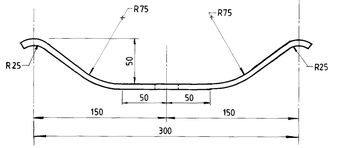


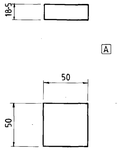
Modified from Huckbolt C50L-H-BR32.

Component E.
Modified Huckbolt.

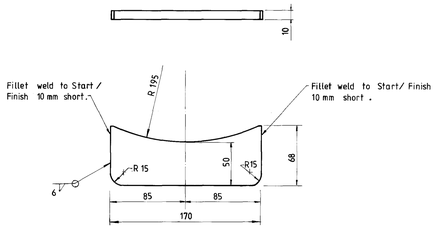


Start/finish fillet weld in this position on both sides of brace.

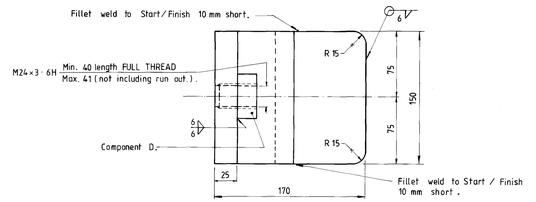




NOTES:
1. ONE set of Rail Expansion Base Plates comprises of 1 Right hand & 1 Left hand.
2. Welding to A.S 1554.1 SP Category. Before commencing welding, the Contractor is to establish welding procedure and submit for approval to the Mechanical Services Engineer V/Line.
3. Material: Steel to A.S. 1204-250 except where otherwise specified.
4. For General arrangement of rail expansion joints see Drg. No. 211-87.
5. Thread profile to A.S. 1275-1985.

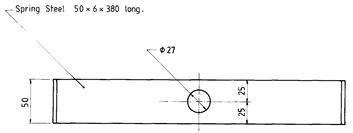


Component A.
Brace Backing Plate.



NOTES: 1. Component to be manufactured from blank bracket for 60kg as shown on Drg. No. 491-81.
2. Ferrule to be welded on brace before drilling & tapping.

Component B.
Special Rail Brace.



MATERIAL: Spring Steel to A.S. 1447-XK925BS or equivalent which gives Min. 1100 MPa Tensile Stress. Heat treat & Temper to 322-340 HB (10/3000).

Component C.
Spring.

MATERIAL: Steel to A.S. 1204-350.

Component D.
Ferrule.

TOLERANCES (except where otherwise stated) on dimensions:	
Up to 30	± 0.2
Over 30 up to 120	± 0.3
Over 120 up to 1000	± 0.5
Over 1000	± 2·0

APPROVALS

REV'N	DATE	DESCRIPTION	REV'D	APP'D
A	7-4-88	Component E added - Component D altered, Φ27 hole removed.	T.O.N	P.L

DRAWN	T.O.N
DESIGNED	T.O.N
CHECKED	P.L
CORRES.	

MECHANICAL SERVICES ENGINEER.

STATE TRANSPORT AUTHORITY VICTORIA
TRANSPORT OPERATIONS DIVISION
ECHUCA-MURRAY RIVER BRIDGE
RAIL EXPANSION JOINTS
BASE PLATE & COMPONENT DETAILS
MAX MOVEMENT 200 mm, 60 kg.

MANAGER CIVIL ENGINEERING DEPARTMENT

DATE	30th June 1987
SCALE	1:2 & 1:5
INDEX	JF-327
DRAWING No.	212-87
REV'N	A

REGISTERED P. LEAK 8 JUL 1988