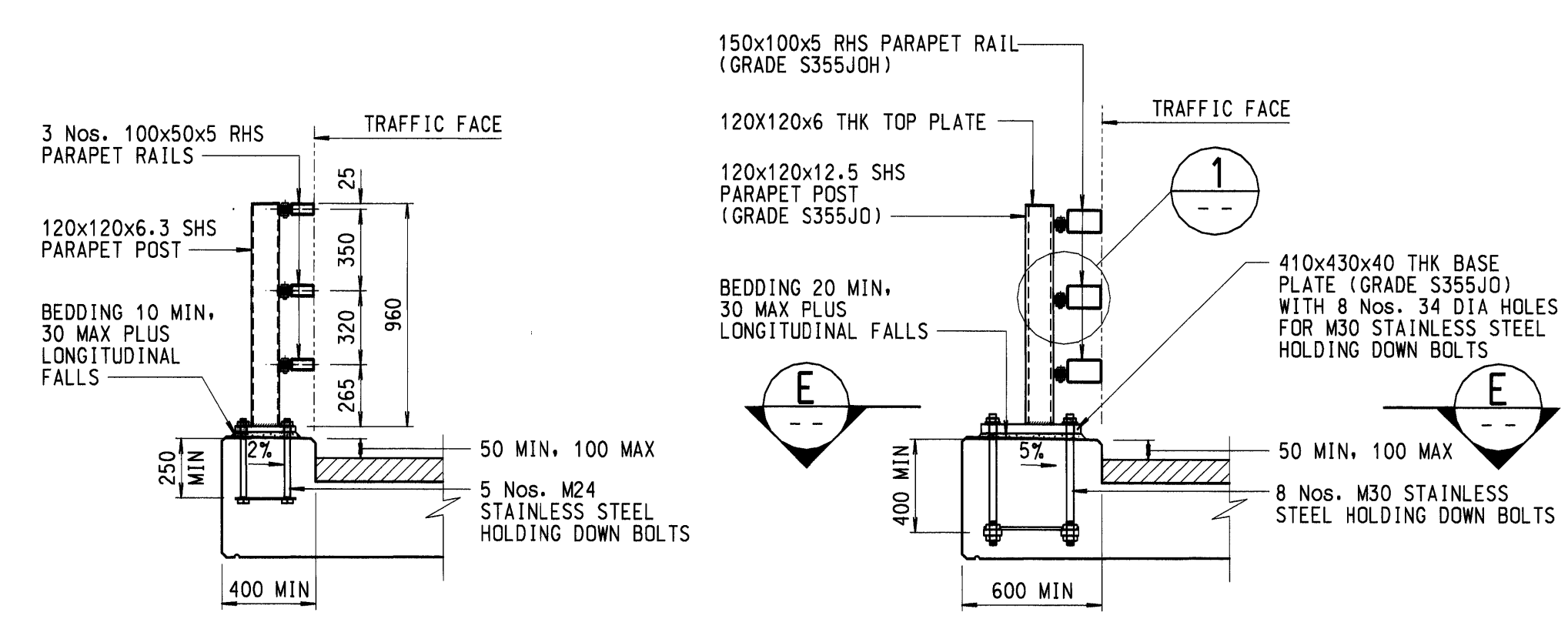


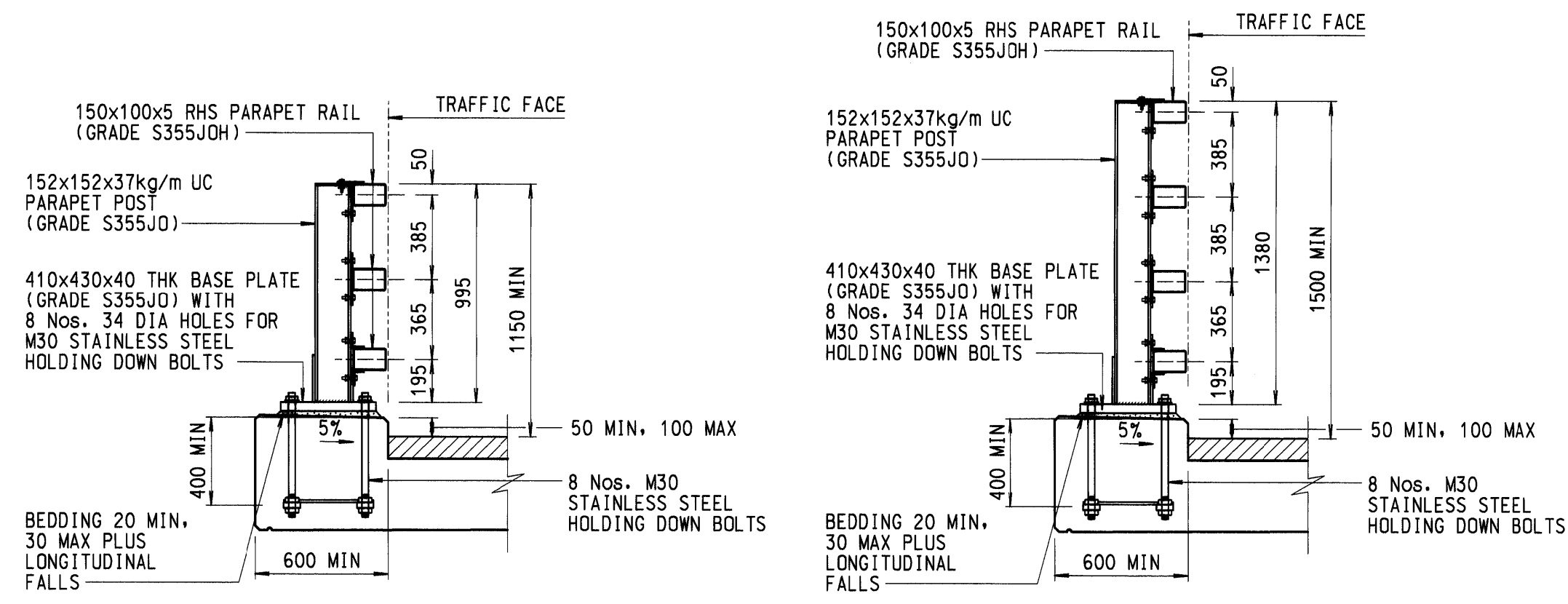
ELEVATION OF PARAPET END

SCALE 1:25



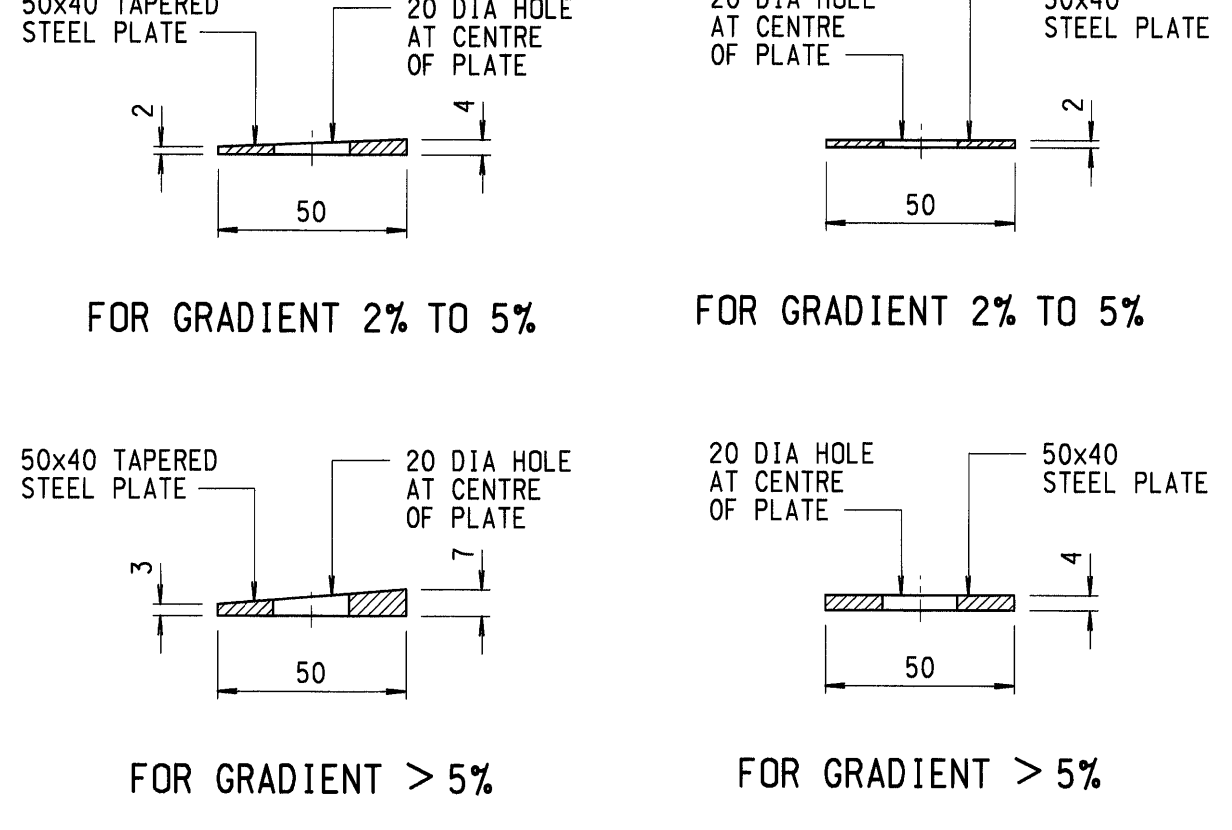
SECTION A
SCALE 1:25

SECTION B
SCALE 1:25



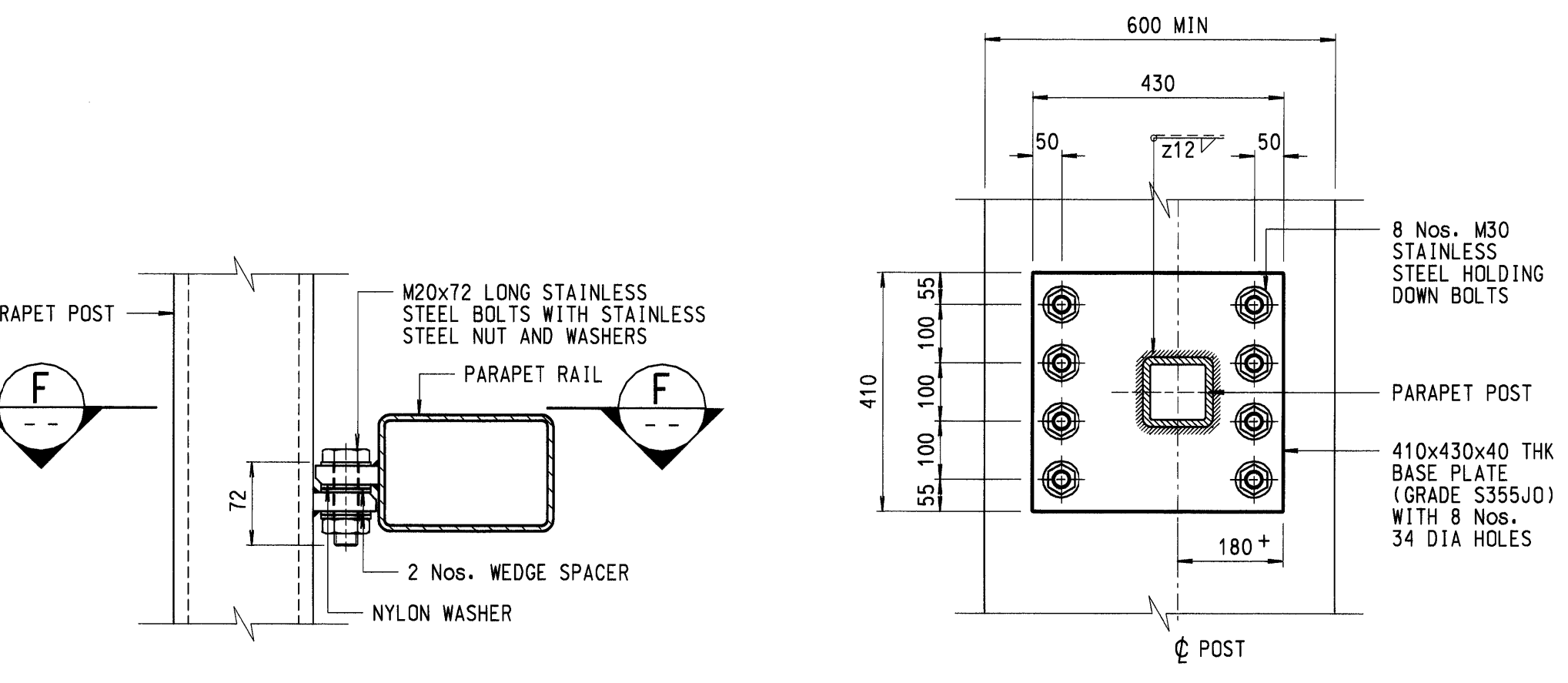
SECTION C
SCALE 1:25

SECTION D
SCALE 1:25



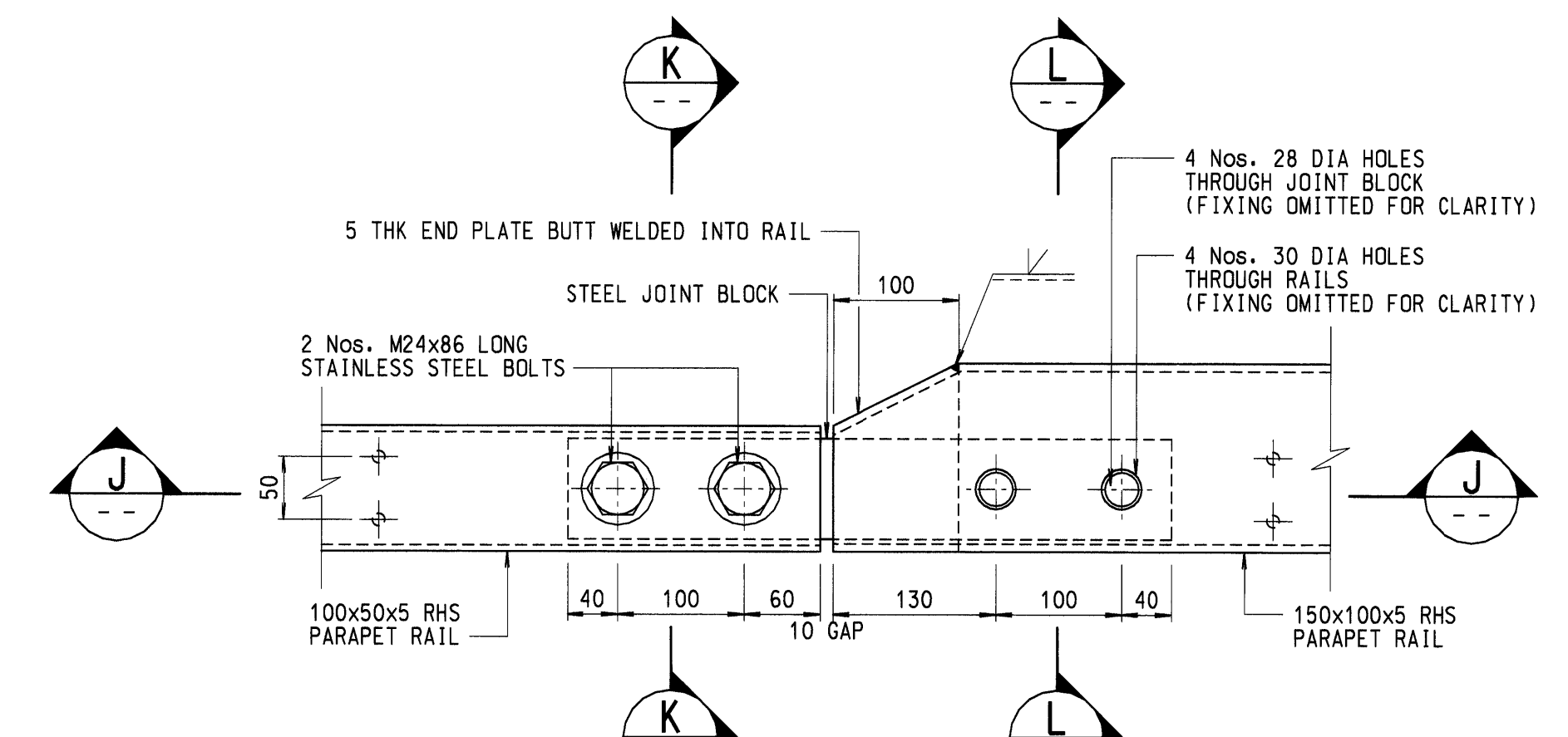
WEDGE SPACER
SCALE 1:2

FLAT SPACER
SCALE 1:2

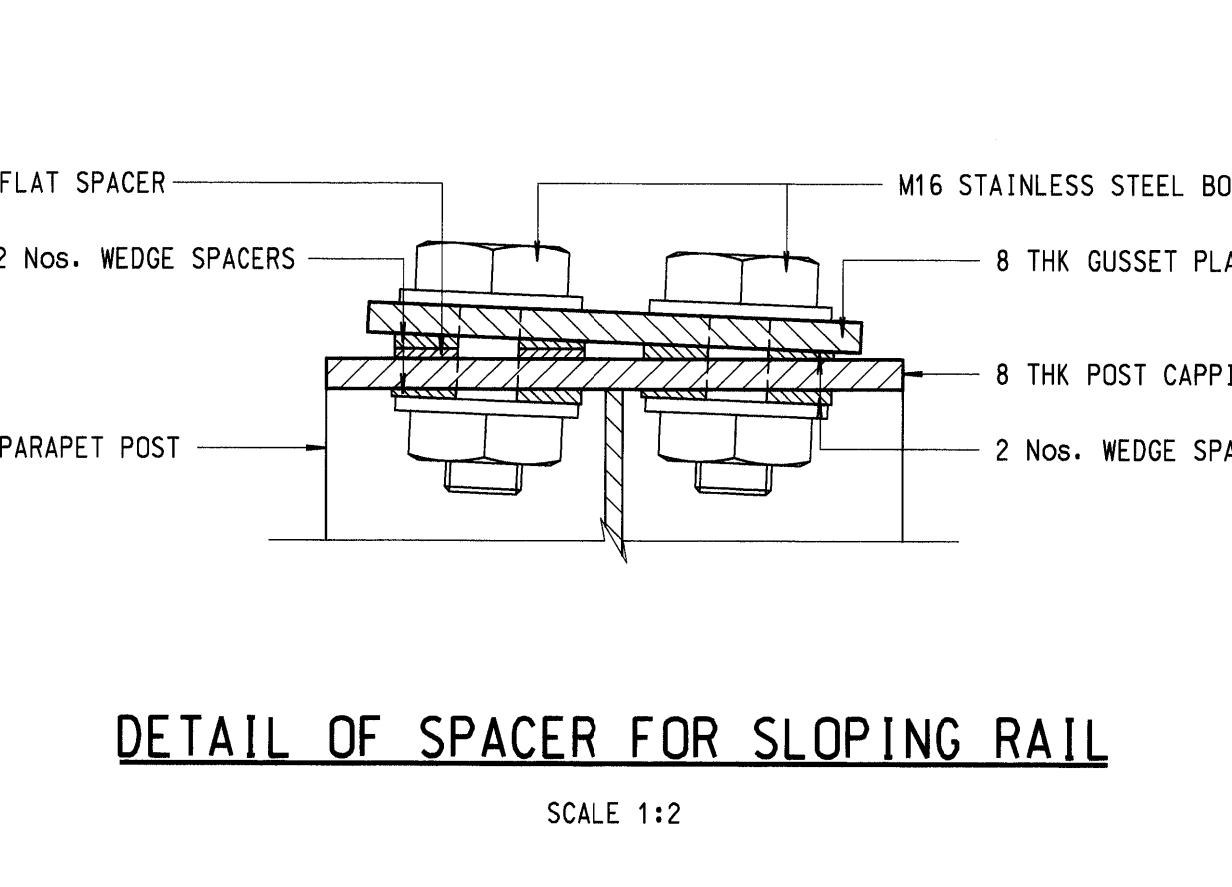


DETAIL 1
SCALE 1:5

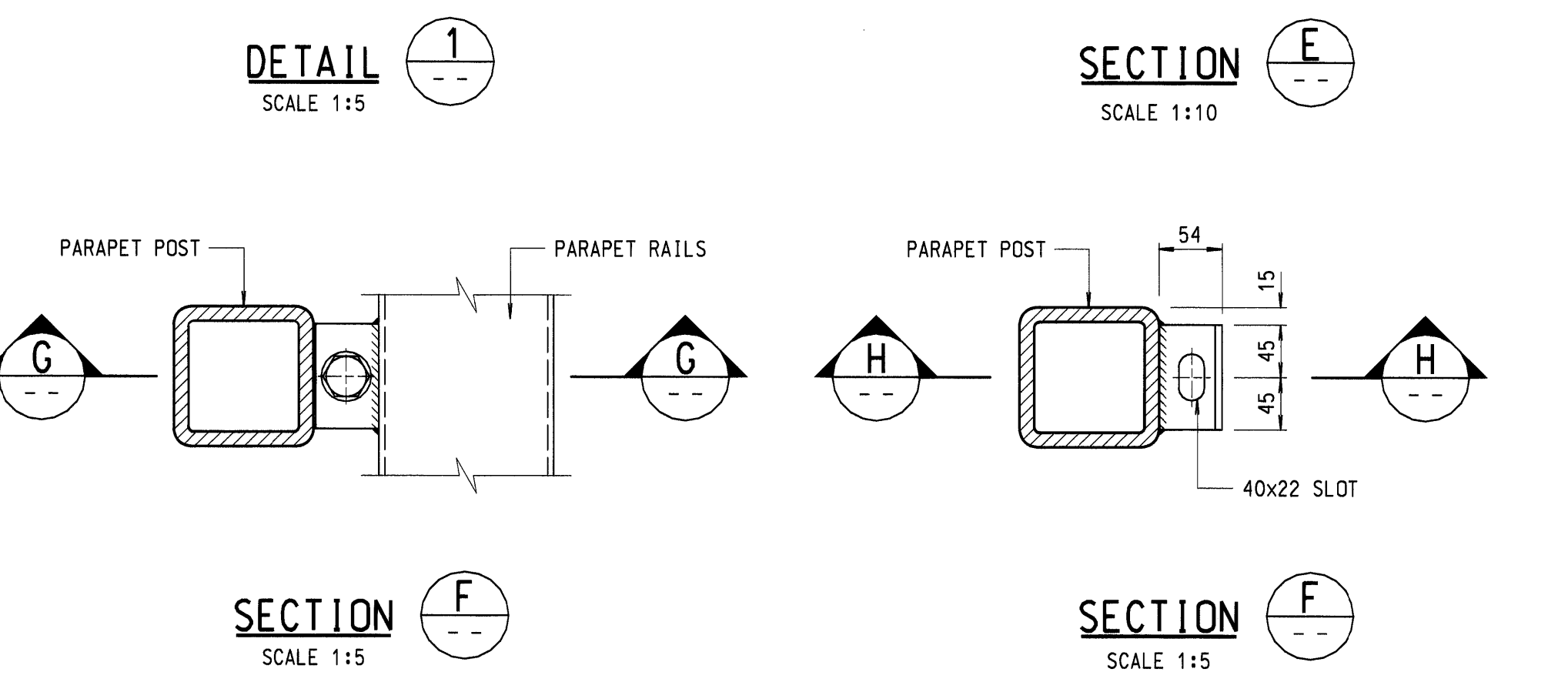
SECTION E
SCALE 1:10



PLAN OF RAIL JOINT
SCALE 1:5

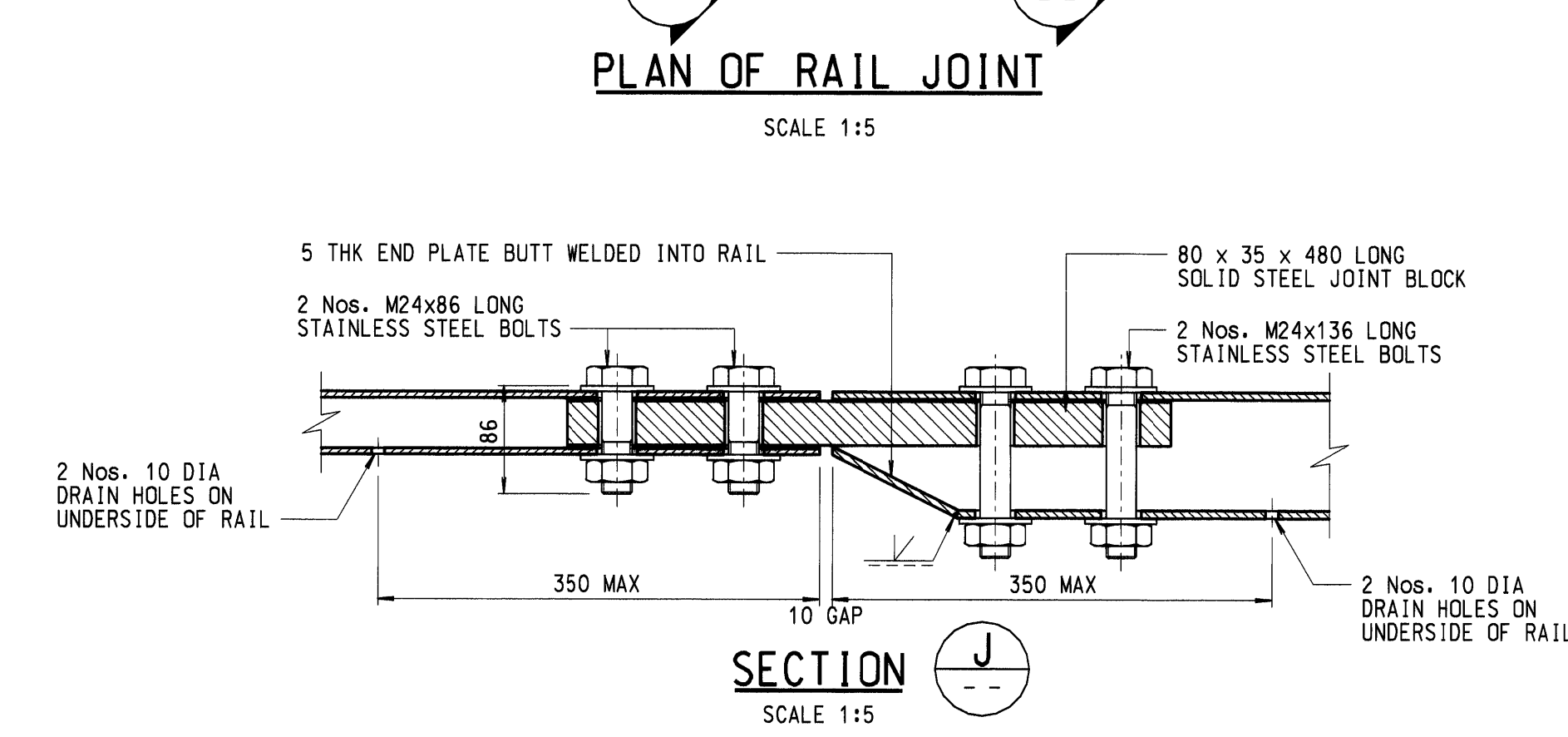


DETAIL OF SPACER FOR SLOPING RAIL
SCALE 1:2

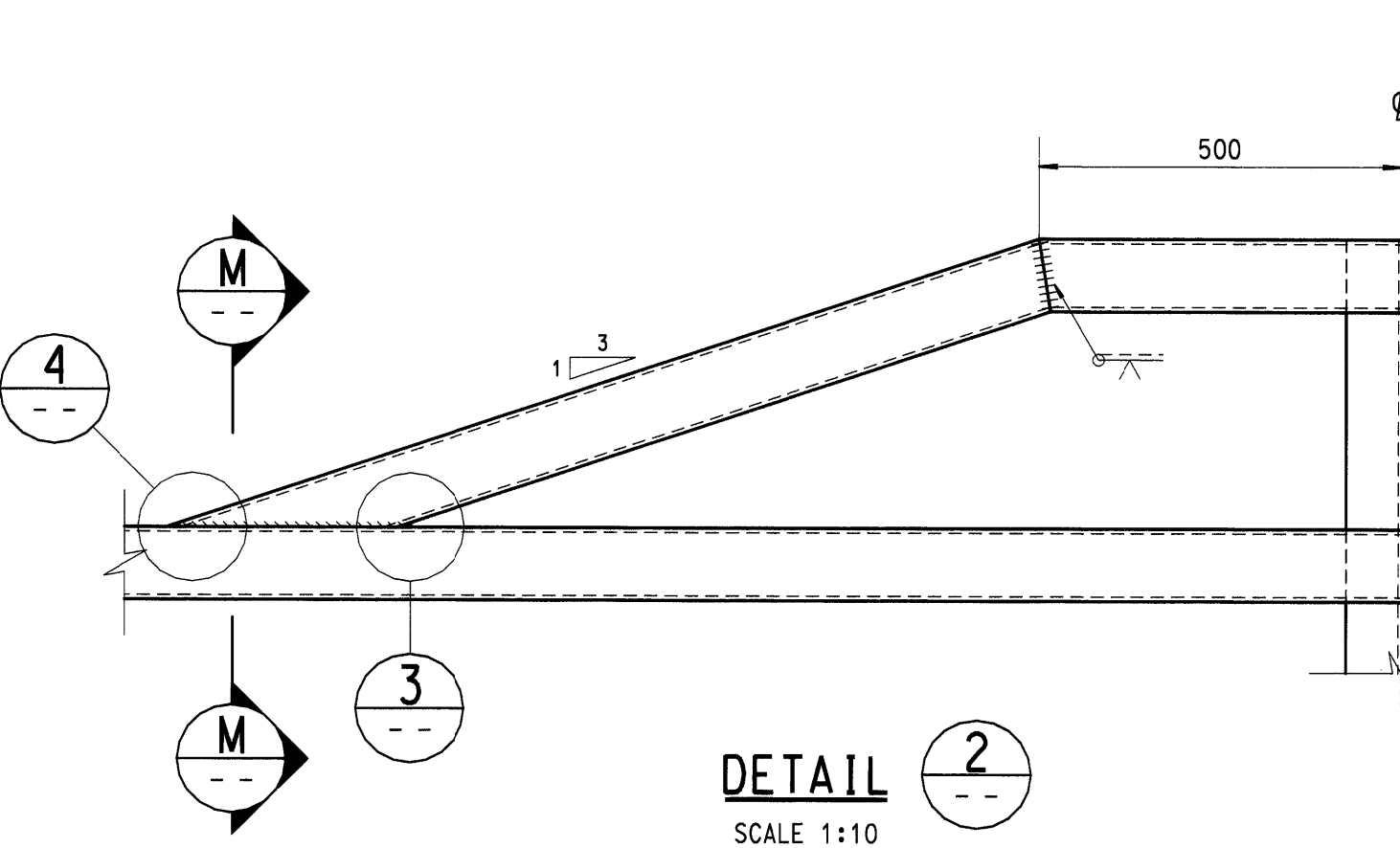


SECTION F
SCALE 1:5

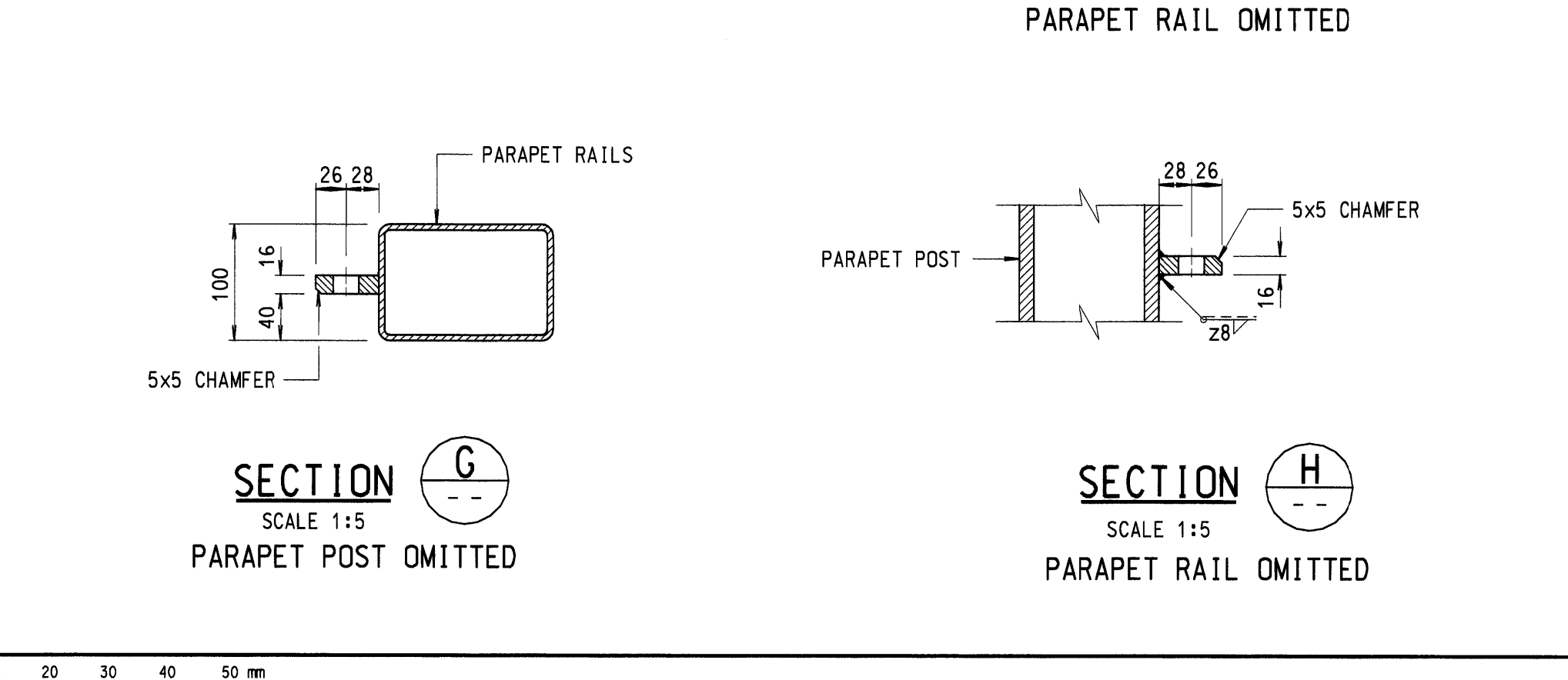
SECTION G
SCALE 1:5



SECTION J
SCALE 1:5

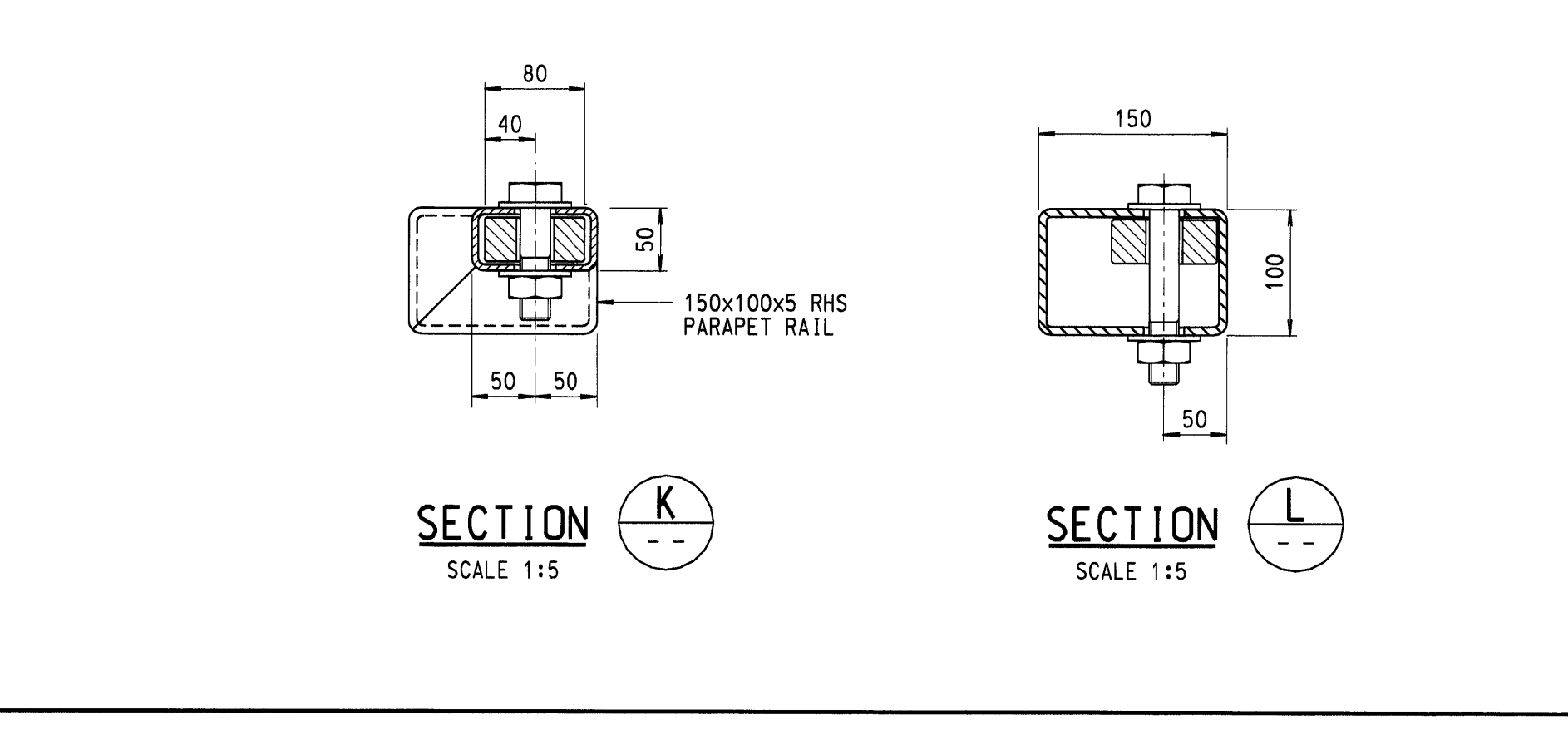


DETAIL 2
SCALE 1:10



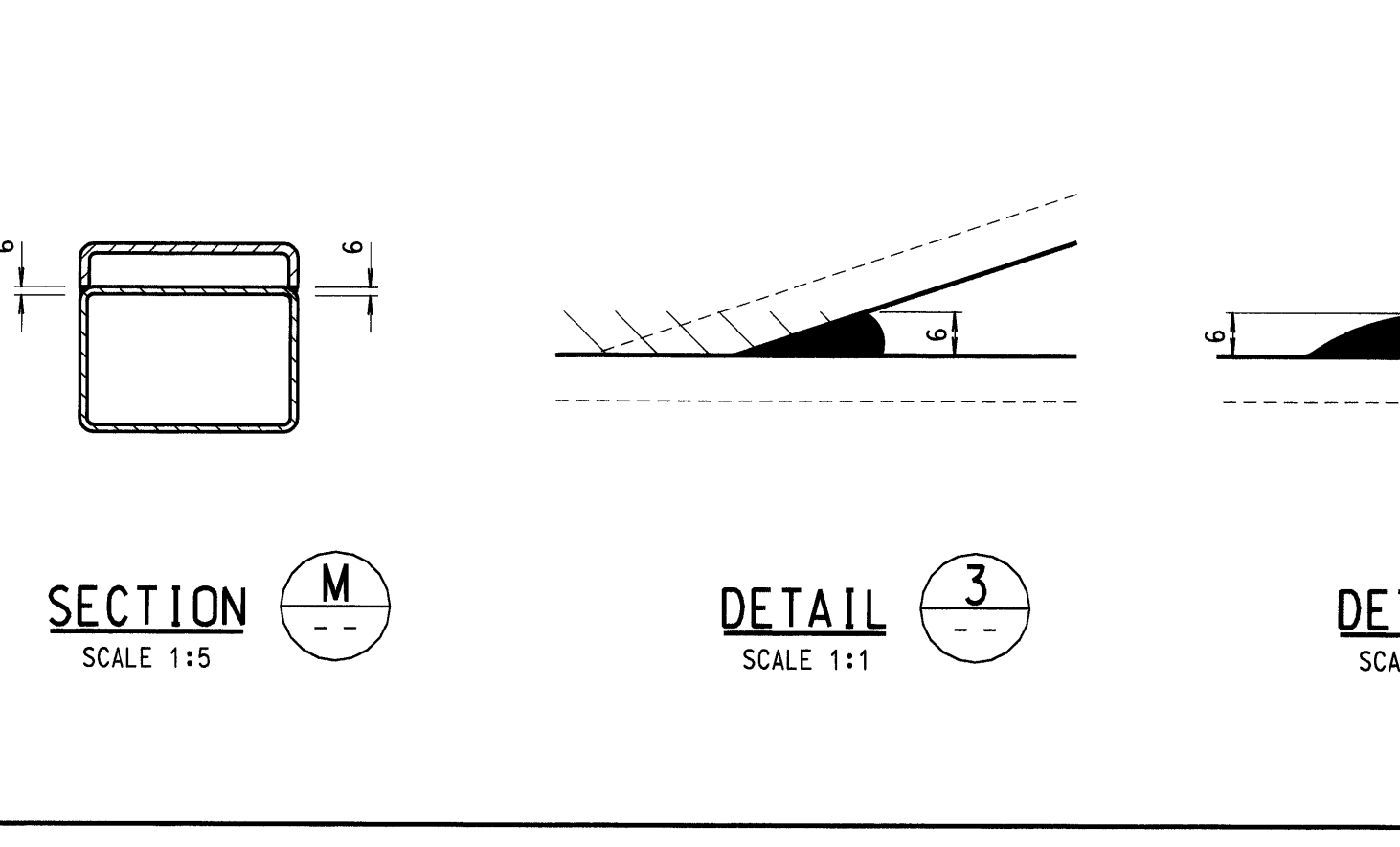
SECTION H
SCALE 1:5

SECTION I
SCALE 1:5



SECTION K
SCALE 1:5

SECTION L
SCALE 1:5



SECTION M
SCALE 1:5

DETAIL 3
SCALE 1:1

DETAIL 4
SCALE 1:1

16. THE TRAFFIC FACE OF RAILS SHALL BE SET IN LINE WITH THE TOP EDGE OF PLINTH WITHIN THE FOLLOWING TOLERANCES:
(1) UPPER RAIL ± 15mm
(1) LOWER RAIL ± 15mm
(+VE TOWARDS TRAFFIC; -VE AWAY FROM TRAFFIC)
17. ON SITE WELDING IS NOT PERMITTED UNLESS OTHERWISE AGREED BY THE ENGINEER.

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 - ALL STEELWORK SHALL BE HOT ROLLED / FINISHED SECTIONS COMPLYING WITH BS4, BS EN 10056 OR BS EN 10210-2 AS APPROPRIATE.
 - STEELWORK SHALL BE GRADE S355J0 TO BS EN 10025 OR GRADE S355J0H TO BS EN 10210-1 OR EQUIVALENT.
 - ALL STEELWORK SHALL BE HOT DIP GALVANIZED TO BS EN ISO 1461 OR EQUIVALENT.
 - WELDING OF STEEL SHALL BE IN ACCORDANCE WITH BS EN 1011-1 AND BS EN 1011-2 AND ELECTRODES SHALL BE IN ACCORDANCE WITH BS EN 499.
 - WELDING SYMBOLS ARE IN ACCORDANCE WITH BS499.
 - WELDS ARE 6mm CONTINUOUS FILLET WELDS UNLESS OTHERWISE SPECIFIED.
 - STAINLESS STEEL BOLTS AND NUTS SHALL BE GRADE A4-80 TO BS EN ISO 3506-1 AND BS EN ISO 3506-2 WITH COMPATIBLE STAINLESS STEEL WASHERS.
 - A NYLON OR OTHER APPROVED PLASTIC WASHER SHALL BE PROVIDED AT EVERY INTERFACE BETWEEN STAINLESS STEEL AND GALVANIZED STEEL.
 - FASTENERS OTHER THAN STAINLESS STEEL MATERIALS SHALL BE CADMIUM OR ZINC ELECTROPLATED, HOT-DIP GALVANIZED, OR SHERARDIZED TO THE APPROPRIATE BRITISH STANDARDS.
 - PARAPET POSTS SHALL BE FIXED VERTICALLY AND BASE PLATES SHALL BE BOLTED DOWN TIGHTLY WITH LEVELS ADJUSTED BY STEEL SHIMS.
 - RAIL EXPANSION JOINTS SHALL BE PROVIDED AT ALL STRUCTURE MOVEMENT JOINTS.
 - PARAPET RAILS SHALL BE CONTINUOUS OVER AT LEAST TWO POSTS. MAXIMUM RAIL LENGTH SHALL BE 12000.
 - BEDDING SHALL BE CEMENT / SAND GROUT WITH MIN. COMPRESSIVE STRENGTH OF 40N/mm².
 - AFTER FABRICATION, ALL STEELWORK SHALL BE PAINTED WITH THE FOLLOWING PAINT SYSTEM:
LIFE TO FIRST MAINTENANCE : 5 - 15 YEARS.
MEDIUM DURABILITY AS DEFINED IN BS EN ISO 12944 PART 5.
PRETREATMENT : TWO-PACK ETCH PRIMER.
PRIMER : CHLORINATED RUBBER ZINC PHOSPHATE PRIMER, 70µm MINIMUM TOTAL DRY-FILM THICKNESS.
UNDERCOAT : MICAQUEOUS IRON OXIDE CHLORINATED RUBBER UNDERCOAT, 100µm MINIMUM TOTAL DRY-FILM THICKNESS.
FINISH : CHLORINATED RUBBER FINISH COAT THAT IS RESISTANT TO FISH OIL AND OTHER ANIMAL AND VEGETABLE OILS, 60µm MINIMUM TOTAL DRY-FILM THICKNESS.

no.	date	description	initial
REVISION			
designed	K.W. MO	signature	06/07
drawn	W.Y. NG	signature	07/07
senior technical officer	S.F. CHAN	signature	07/07
project engineer	K.W. MO	signature	08/07
senior engineer	C.K. CHAN	signature	08/07

approved

 P. K. LEE
 Chief Highway Engineer
 date 9/8/07

contract no.
 file no.
 project no.
 contract

drawing title
L3 4-RAIL STEEL PARAPET (TYPE PDN) PARAPET END

drawing no. **SSD165** scale **AS SHOWN**

office **BRIDGES AND STRUCTURES DIVISION** 結構橋樑部及
HIGHWAYS DEPARTMENT 路政署
 HONG KONG 香港