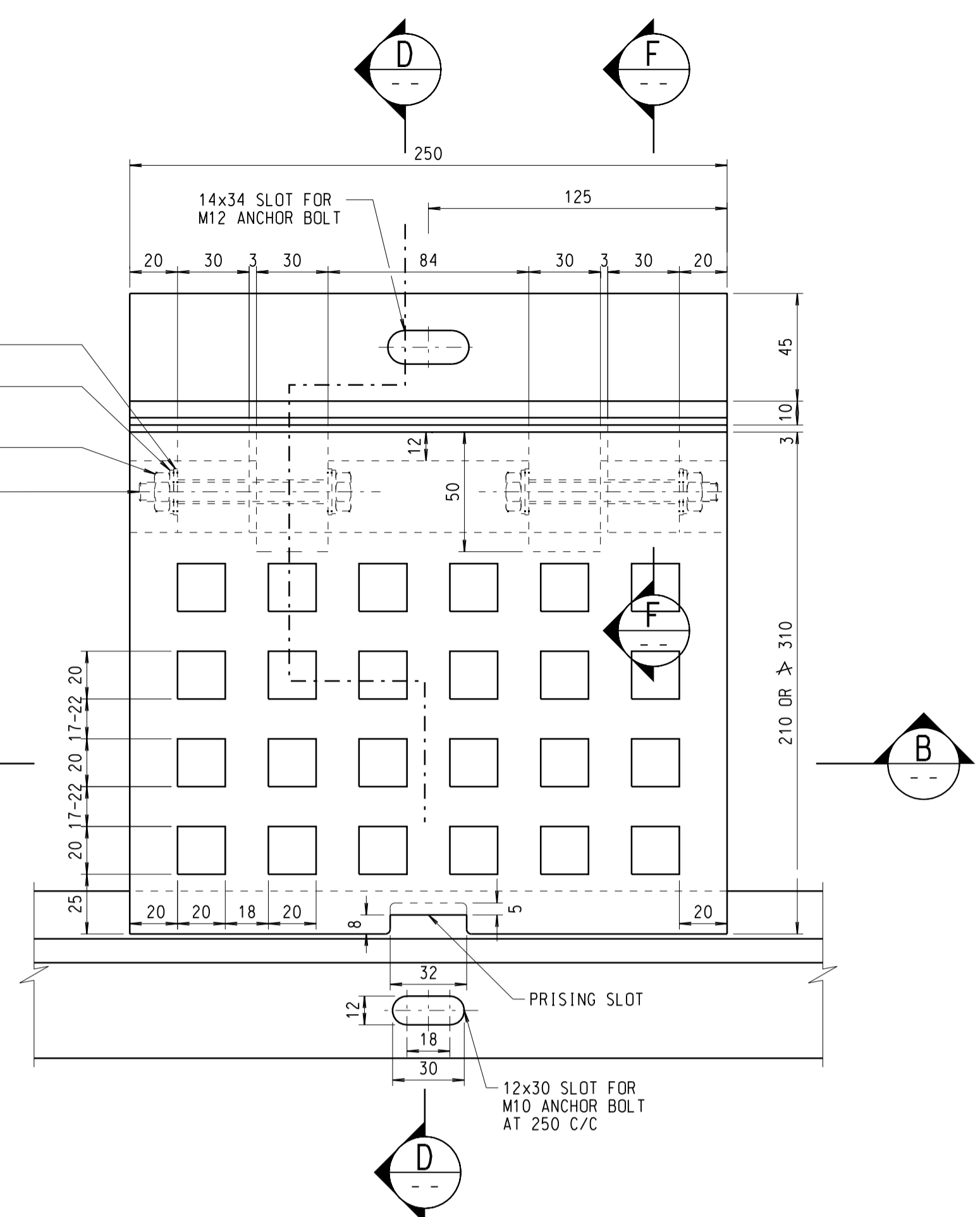


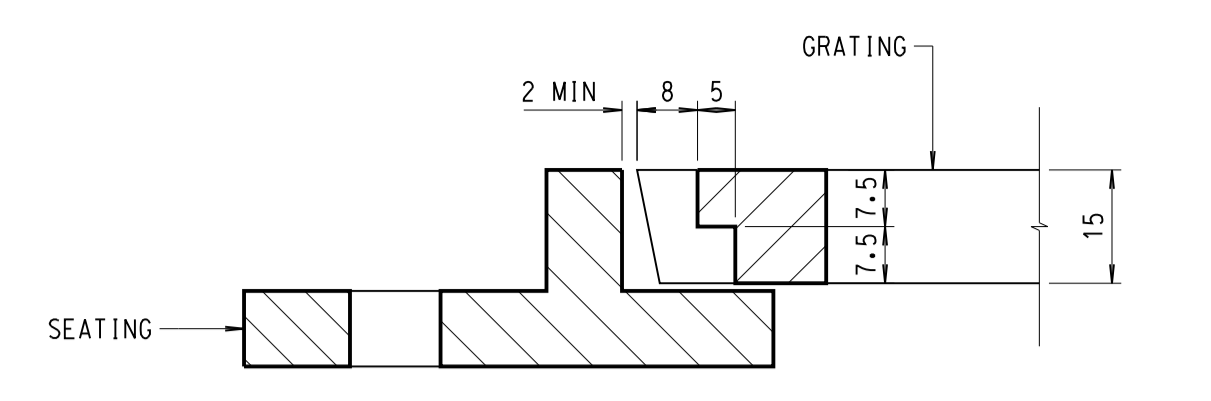
**PLAN OF GRATING**  
SCALE 1:2

(ALL HOLES SHALL BE 20 x 20 IN SIZE AND ALL RIBS SHALL BE OF EQUAL WIDTH. EXACT NO. OF HOLES AND RIBS TO BE ADJUSTED TO SUIT CHANNEL WIDTH)

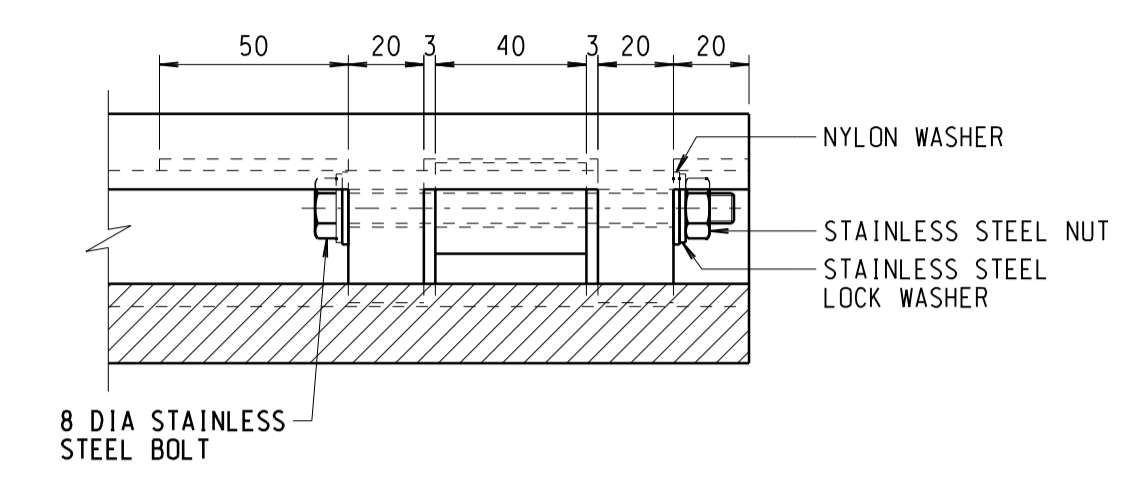


**PLAN OF GRATING - HALF COVER**  
SCALE 1:2

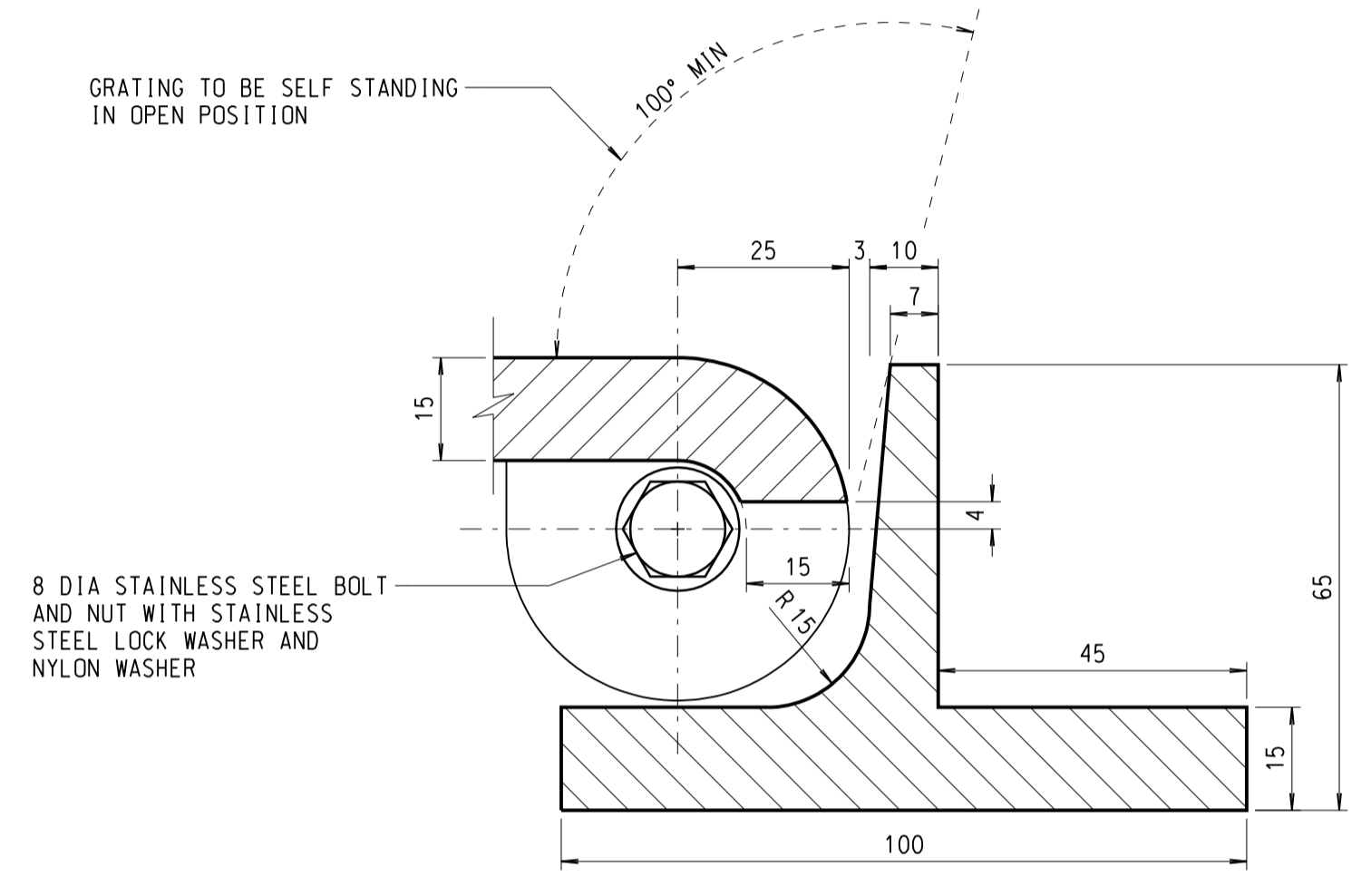
(ALL HOLES SHALL BE 20 x 20 IN SIZE AND ALL RIBS SHALL BE OF EQUAL WIDTH. EXACT NO. OF HOLES AND RIBS TO BE ADJUSTED TO SUIT CHANNEL WIDTH)



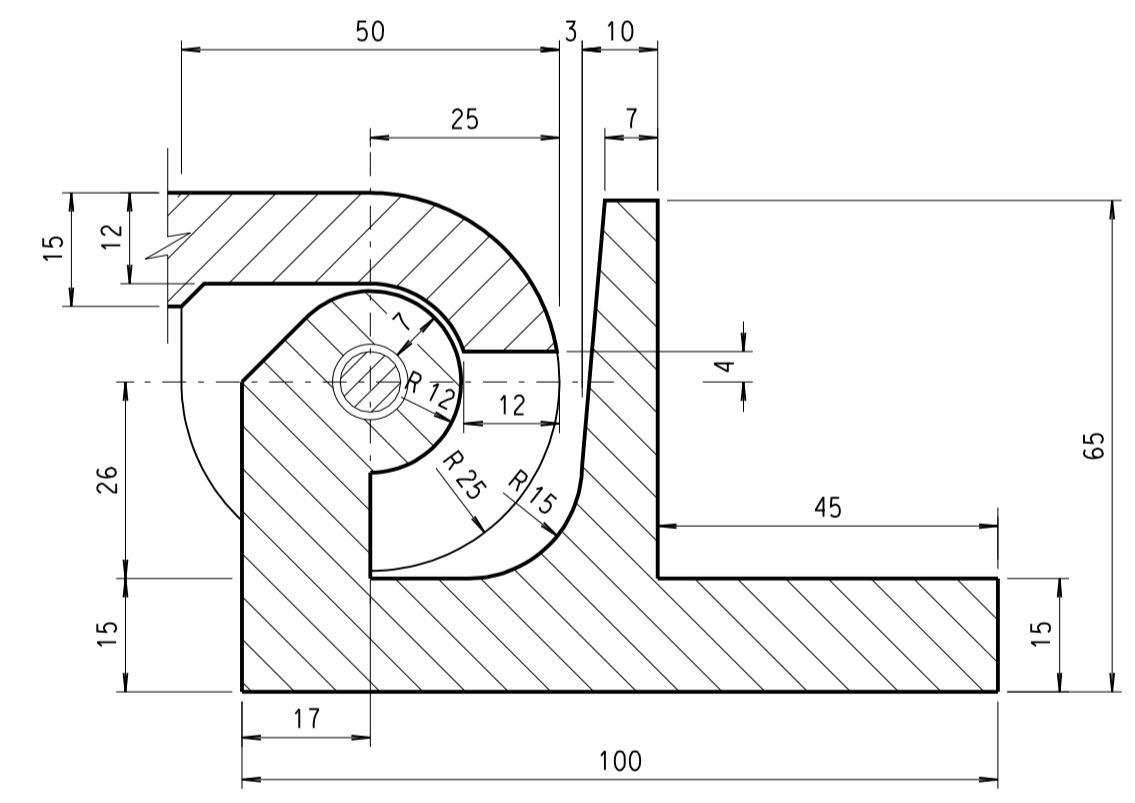
**DETAIL OF PRISING SLOT**  
SCALE 1:1



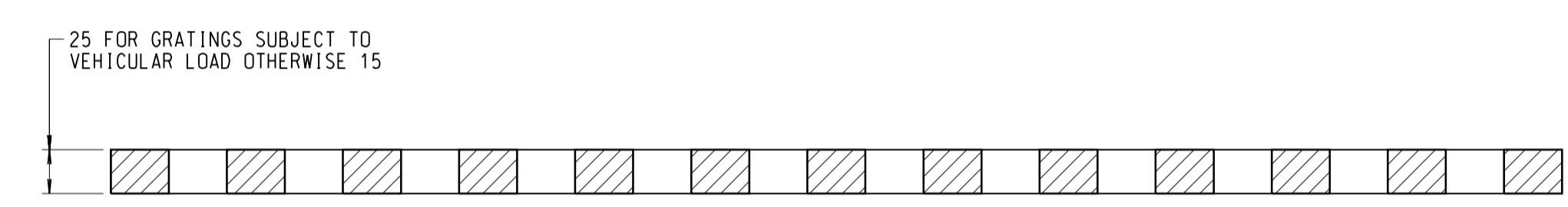
**SECTION C**  
SCALE 1:2



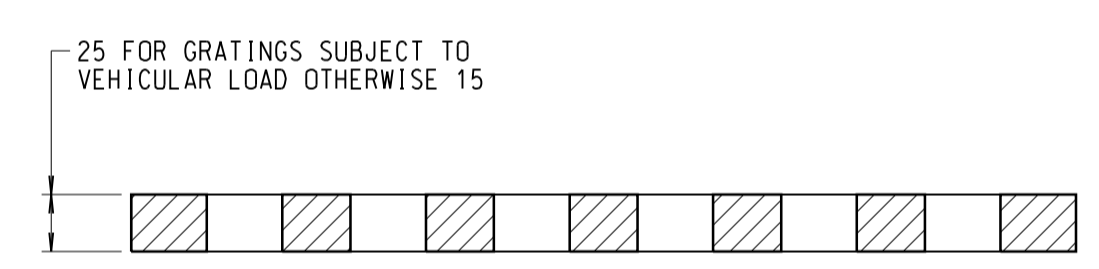
**SECTION E**  
SCALE 1:1



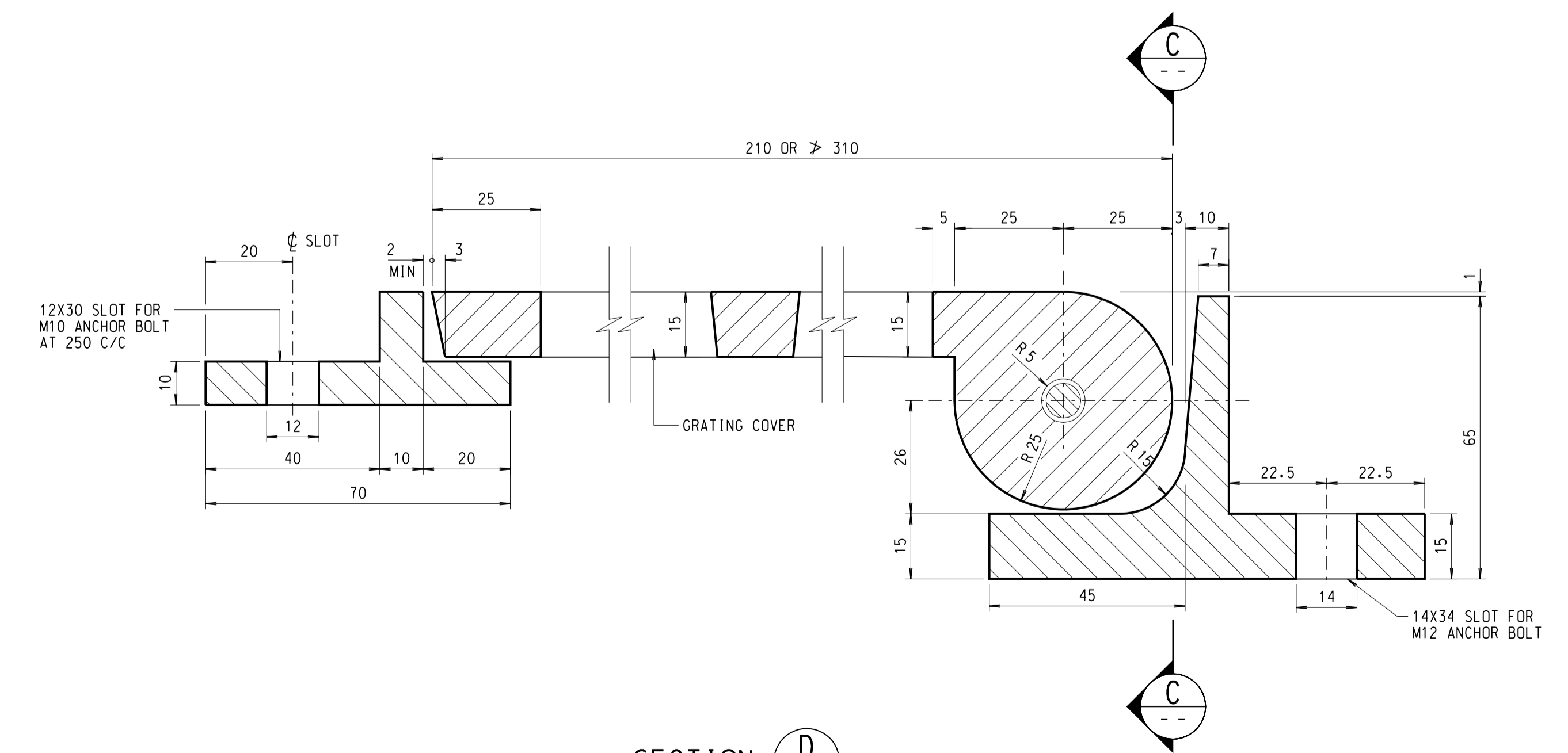
**SECTION F**  
SCALE 1:1



**SECTION A**  
SCALE 1:2

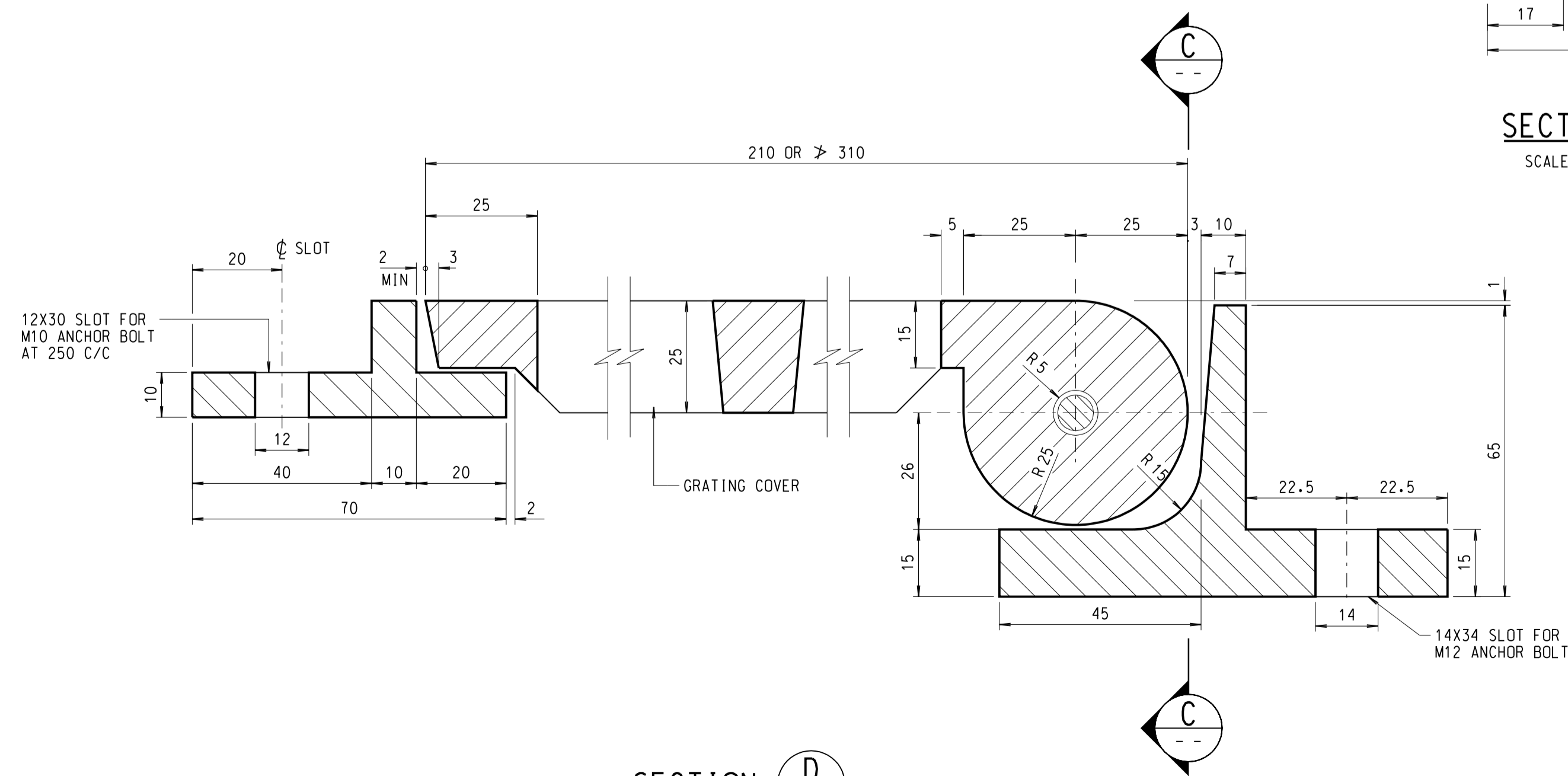


**SECTION B**  
SCALE 1:2



**SECTION D**  
SCALE 1:1

(FOR GRATINGS NOT PRONE TO VEHICULAR LOAD)



**SECTION D**  
SCALE 1:1

(FOR GRATINGS PRONE TO VEHICULAR LOAD)

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
  - ALL GRATING CORNERS SHALL BE ROUNDED TO APPROXIMATELY 2mm RADIUS.
  - GRATINGS AND FRAMES SHALL BE CAST IRON CONFORMING TO GRADE EN-GJL-150 TO BS EN 1561 EXCEPT FOR GRATINGS AND FRAMES SUBJECT TO VEHICULAR LOAD WHICH SHALL BE GRADE EN-GJL-300 TO BS EN 1561.
  - GRATINGS AND FRAMES ARE DESIGNED FOR USE WITH 150 TO 250 HALF-ROUND OR 'U' CHANNELS.
  - ALL CAST IRON UNITS SHALL BE COATED WITH A BITUMEN COATING.
  - GAPS BETWEEN GRATING UNITS SHALL NOT EXCEED 3. THE OVERALL LENGTH OF CHANNEL GRATING SHALL MAKE DUE ALLOWANCE FOR GAPS BETWEEN UNITS.
  - GRATINGS WITH SQUARE HOLES PATTERN ARE SUITABLE FOR USE ON CYCLE TRACKS.
  - ALL STAINLESS STEEL BOLTS AND NUTS SHALL BE GRADE A4-80 TO BS EN ISO 3506 PARTS 1 & 2.
  - STAINLESS STEEL WASHERS SHALL BE GRADE 1.4401 TO BS EN 10088.

**ABBREVIATIONS:**

C/C	CENTRE TO CENTRE
DIA	DIAMETER
EQ.	EQUAL
MIN	MINIMUM
No.	NUMBER
R	RADIUS
>=	NOT EXCEEDING

A	06/16	GENERAL REVISION OF DRAWING NOTES	SIGNED C.P. WONG, E/P2-3
			SIGNED P.T. LEUNG, SE/P2

REVISION			
no.	date	description	initial

approved  
 SIGNED  
 P. K. LEE  
 Chief Highway Engineer  
 23/09/2009  
 date

contract no.  
 file no.  
 project no.  
 contract

drawing title  
**HINGED CHANNEL GRATING FOR CYCLE TRACKS ON STRUCTURES**

drawing no. **SSD166-A** scale **AS SHOWN**

office **BRIDGES AND STRUCTURES DIVISION** 橋樑結構部及

**HIGHWAYS DEPARTMENT** 路政署  
 HONG KONG 香港

