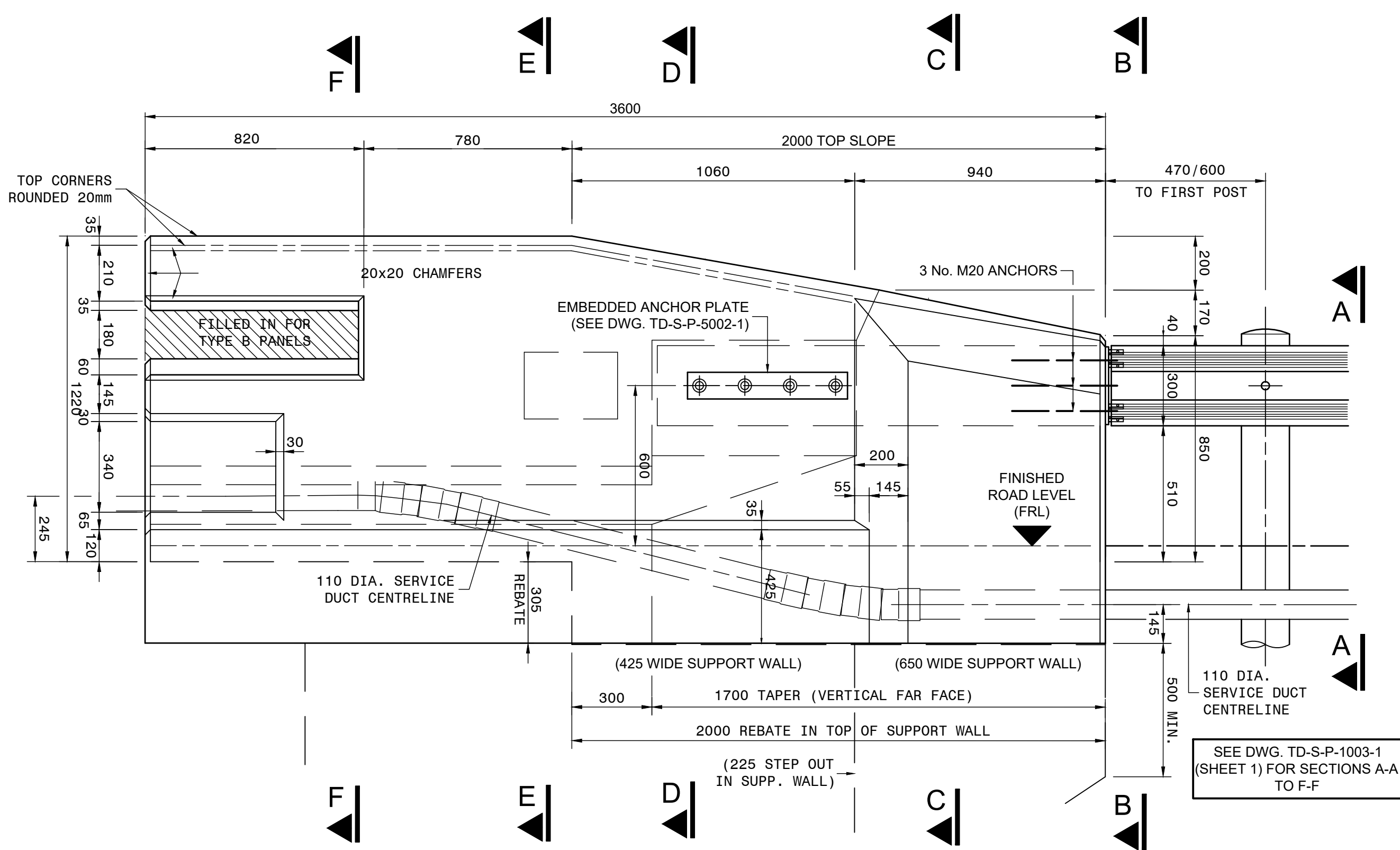
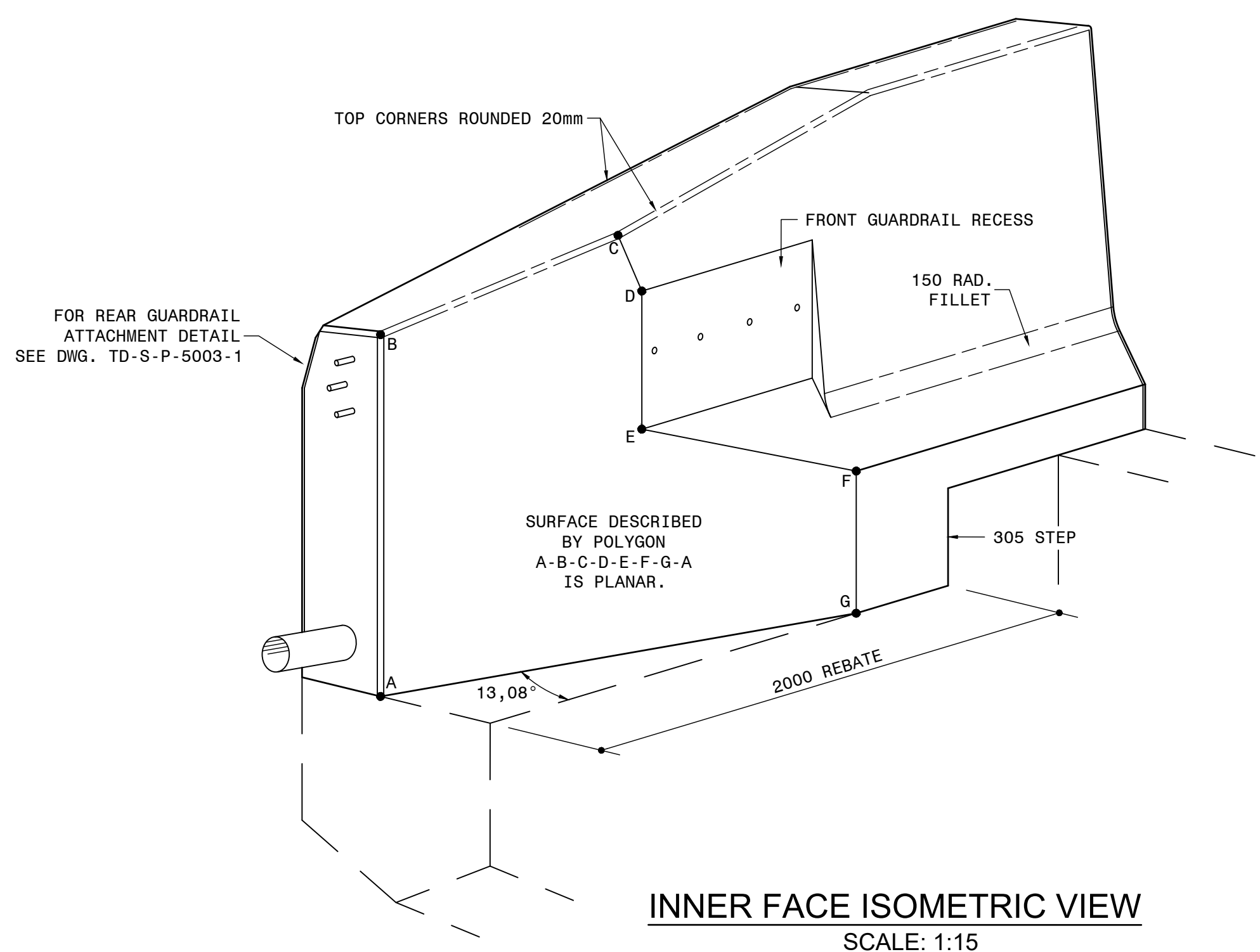


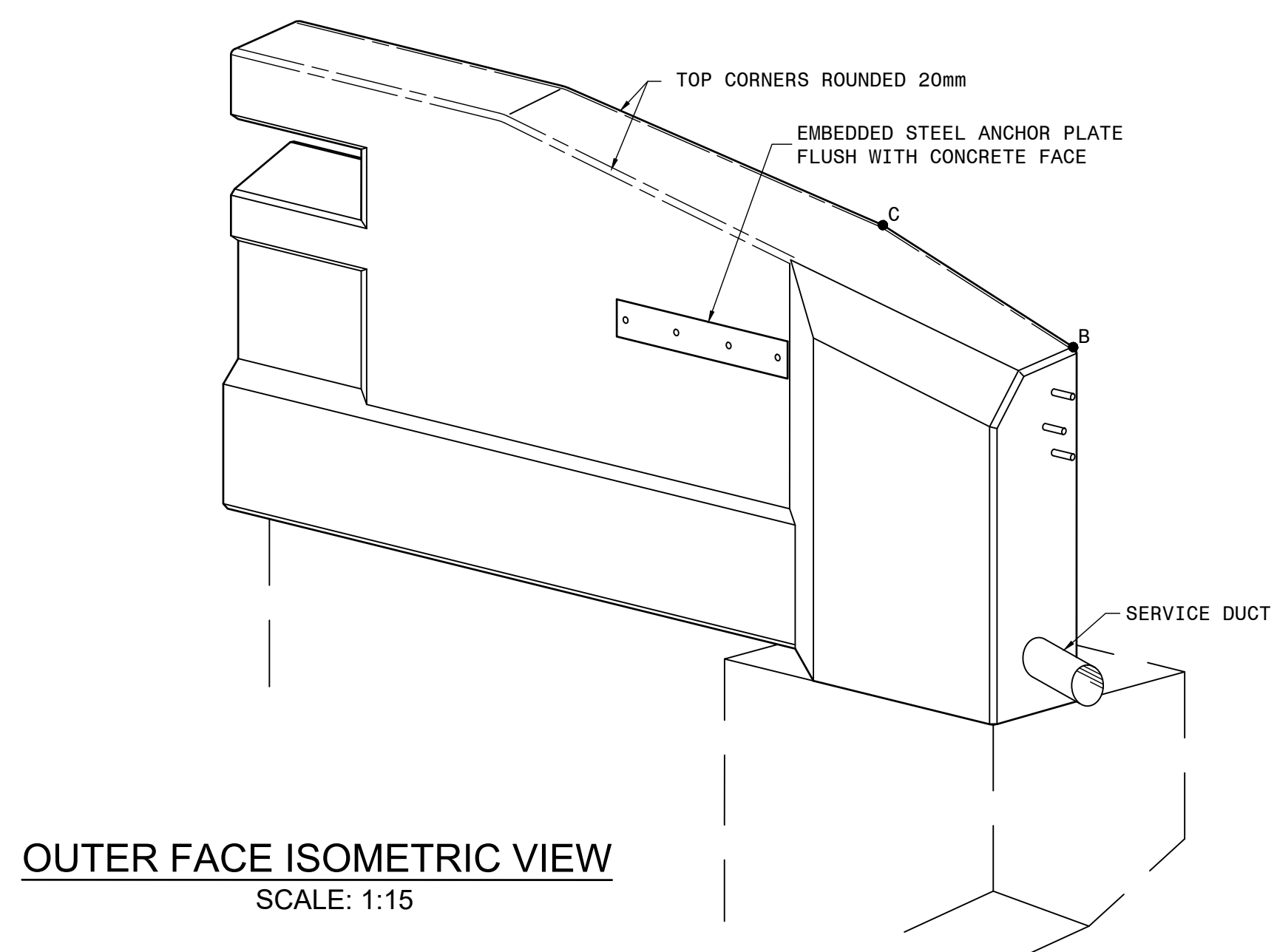
- NOTES:
1. T = 60mm MIN (20mm LEVELLING COURSE + 40mm ASPHALT) OR 100mm MAX (20mm LEVELLING COURSE + 2x40mm ASPHALT).
 2. READ THIS DRAWING IN CONJUNCTION WITH DWG. Nos. TD-S-P-1003-1 (SHEET 1) AND TD-S-P-1002-1 (FOR INTERIOR PANELS TYPE A AND TYPE B).
 3. TOP RAIL AS SHOWN ON THIS DRAWING TO MATCHES TYPE A INTERIOR PANELS.
 4. GAP UNDER TOP RAIL FILLED IN TO MATCH TYPE B INTERIOR PANELS.
 5. ALL JOINTS BETWEEN PANELS AND ALL VERTICAL DIMENSIONS SHOWN SHALL BE PERPENDICULAR TO THE ROAD SURFACE IN ALL CASES.
 6. A REBATED SUPPORT WALL AS OUTLINED IS ALSO REQUIRED FOR ABUTMENTS WITH SPRAYED WINGWALLS.
 7. CONCRETE CLASS TO BE 30/19 UNLESS DURABILITY CONCRETE IS NOT REQUIRED (EXPOSURE CLASS XC1a).
 8. ALL EXPOSED CORNERS CHAMFERED 20mm x 20mm UNLESS OTHERWISE SHOWN.



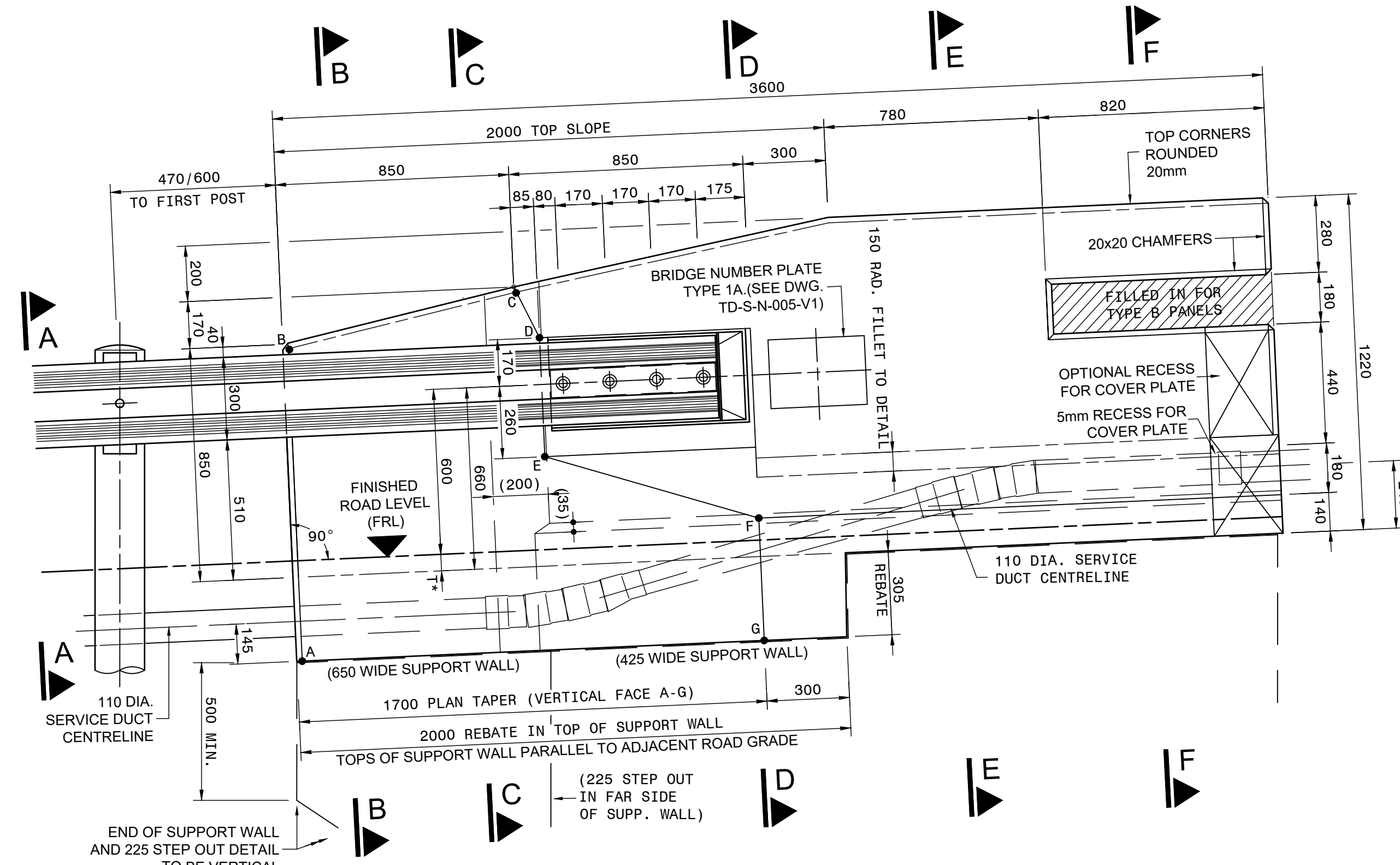
OUTSIDE ELEVATION
SCALE: 1:15
(SHOWN FOR 0% ROAD GRADE)



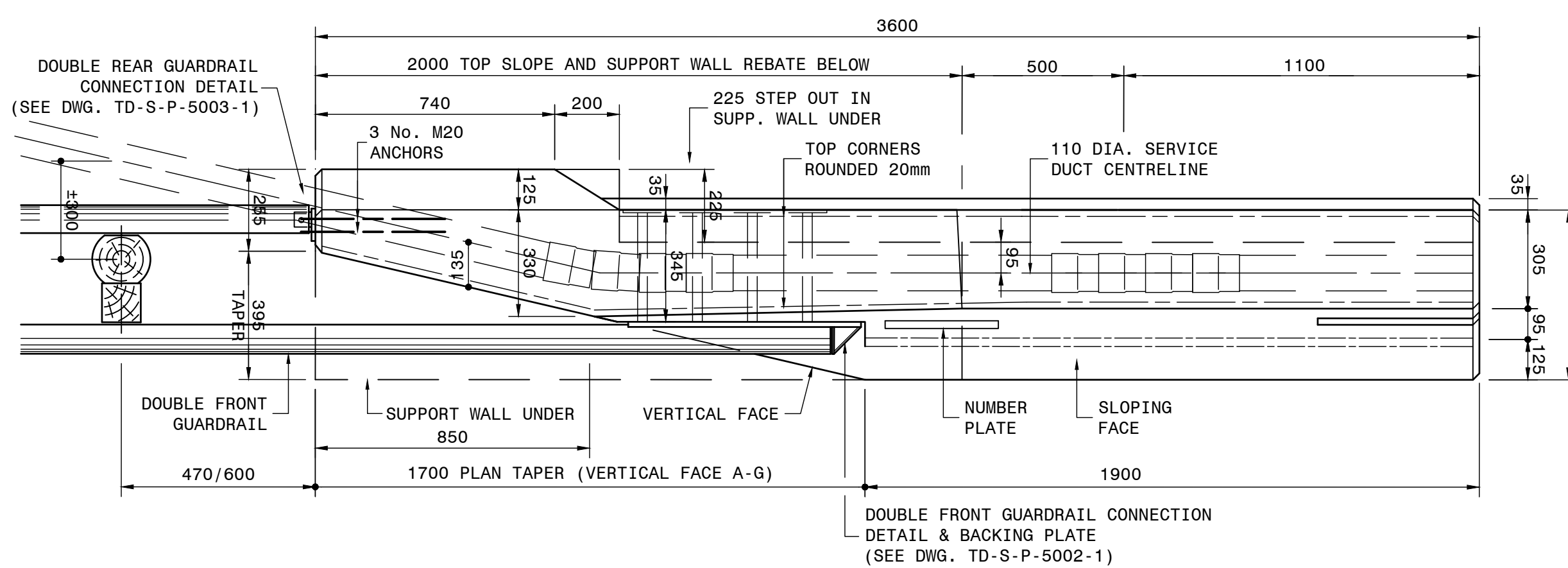
INNER FACE ISOMETRIC VIEW
SCALE: 1:15



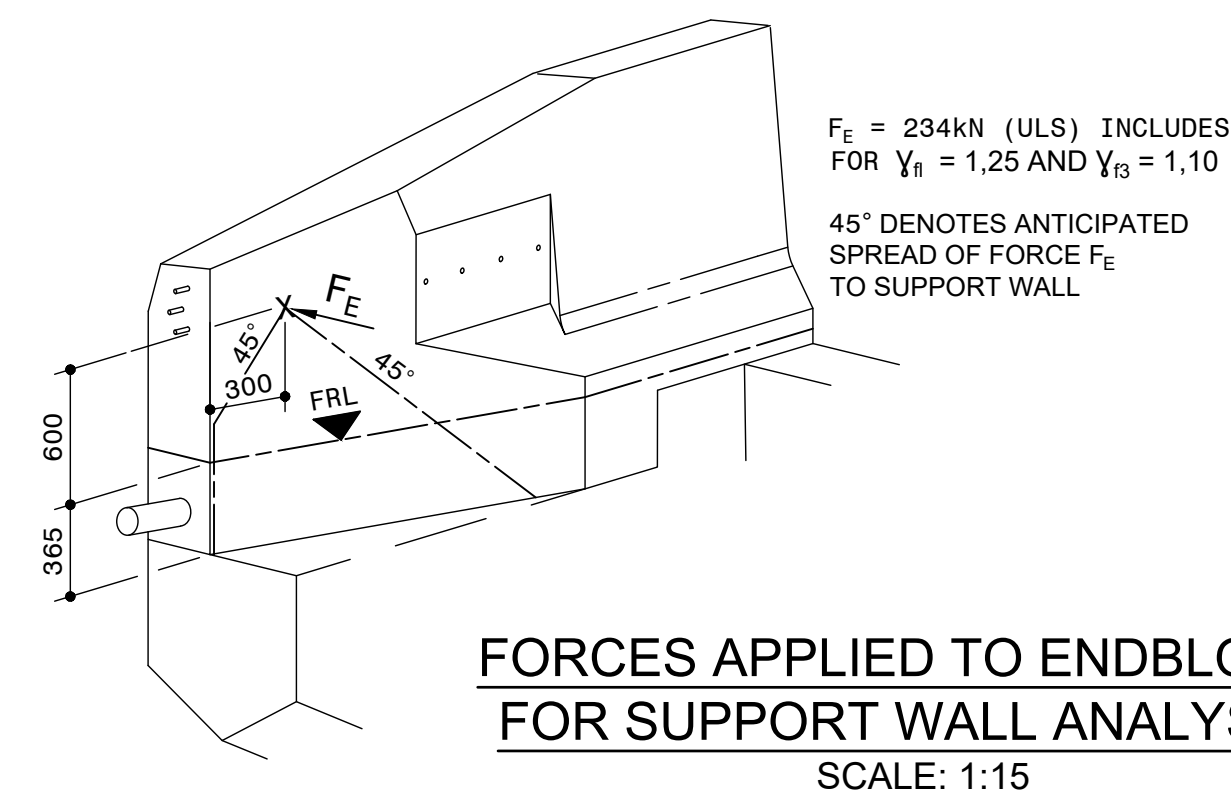
OUTER FACE ISOMETRIC VIEW
SCALE: 1:15



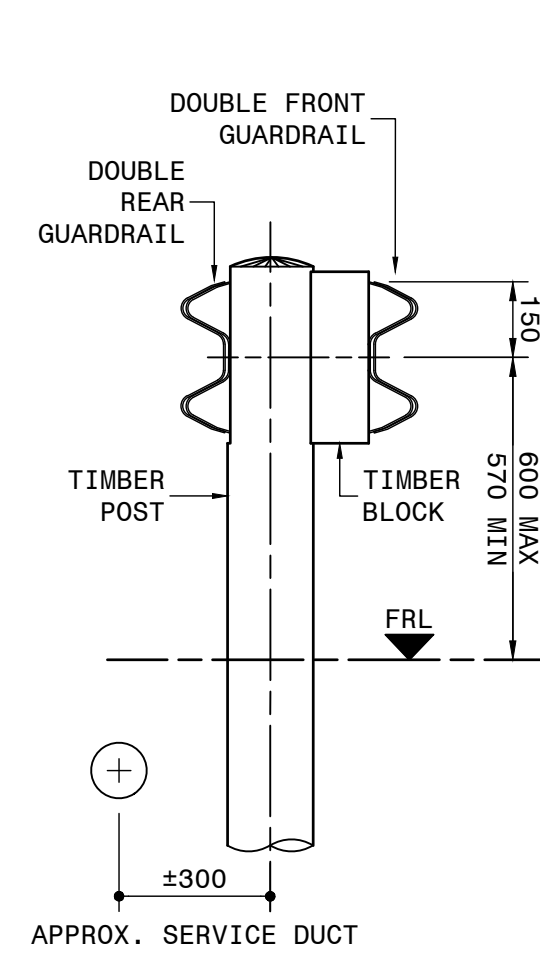
INSIDE ELEVATION
SCALE: 1:15
THE SURFACE DESCRIBED BY POLYGON A-B-C-D-E-F-G-A IS PLANAR.
SERVICE DUCT LARGE RADIUS BENDS ACHIEVED BY USING ACCUMULATIVE
PLAY IN RUBBER GASKETS OF MULTIPLE STRAIGHT COUPLERS.



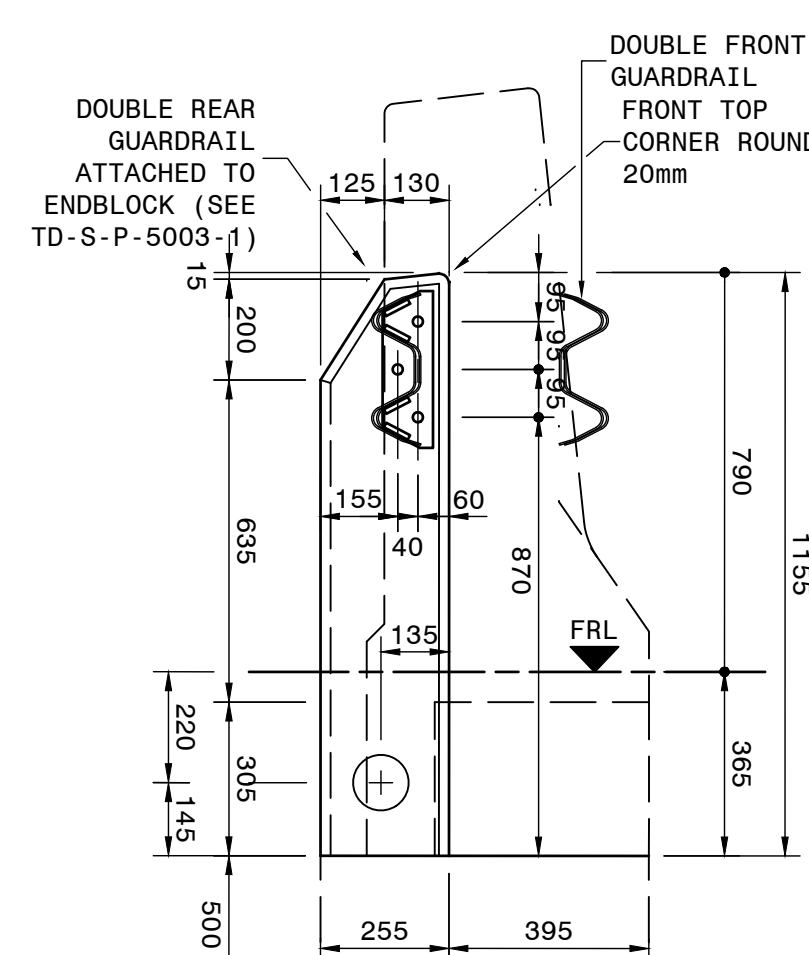
PLAN
SCALE: 1:15



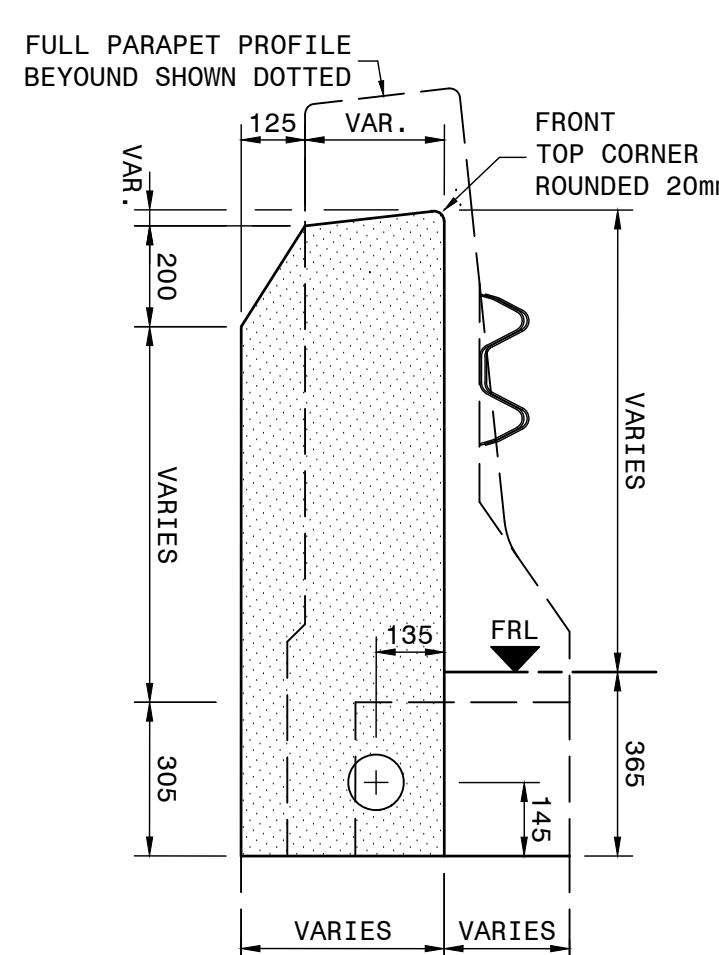
FORCES APPLIED TO ENDBLOCK
FOR SUPPORT WALL ANALYSIS
SCALE: 1:15



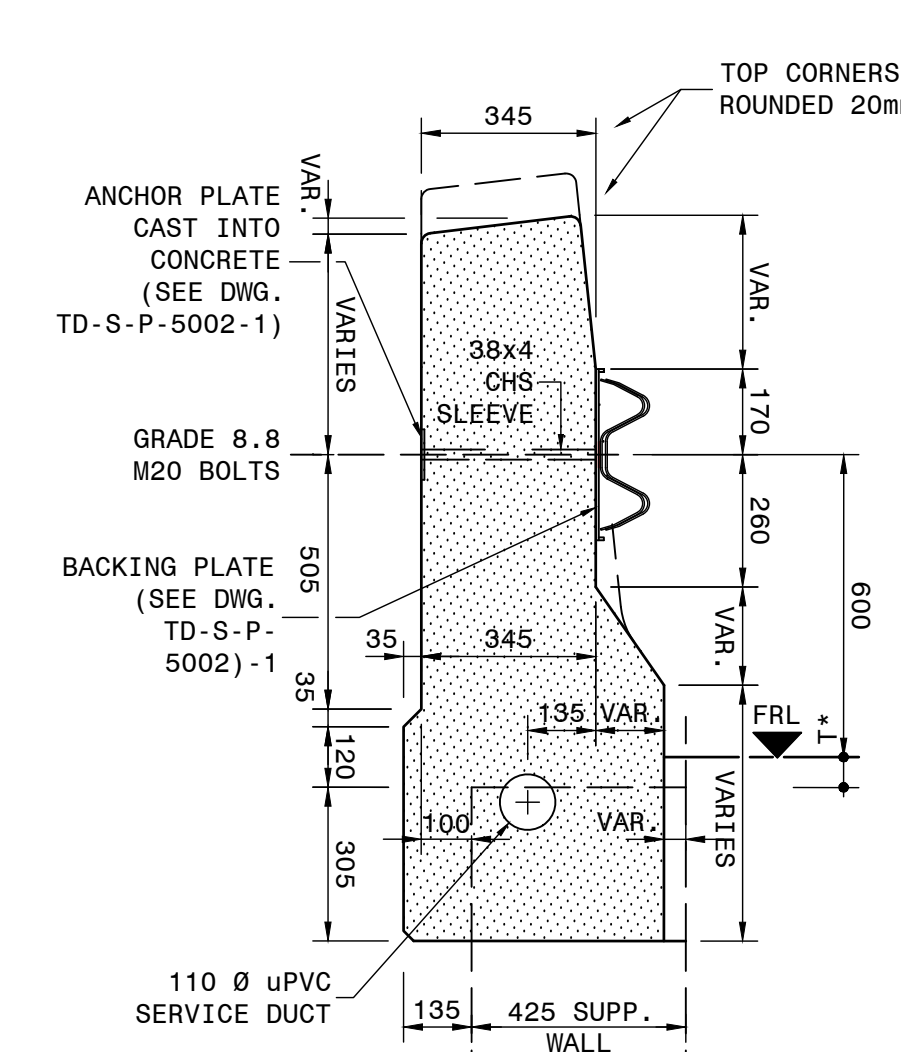
SECTION A-A
SCALE: 1:15



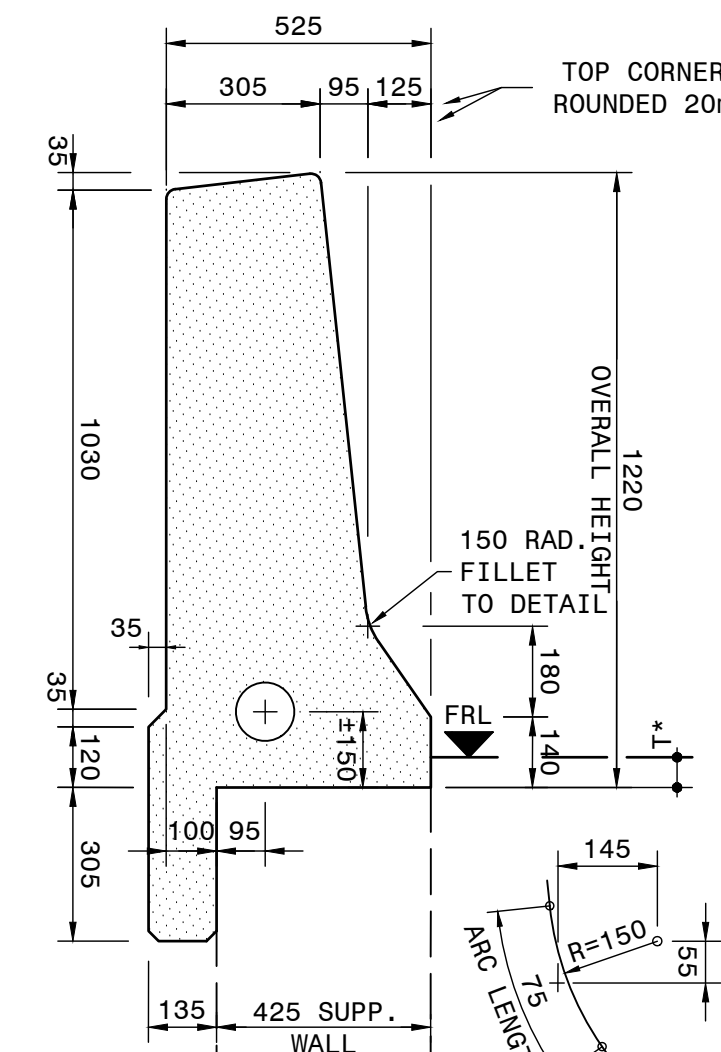
END ELEVATION B-B
SCALE: 1:15



SECTION C-C
SCALE: 1:15



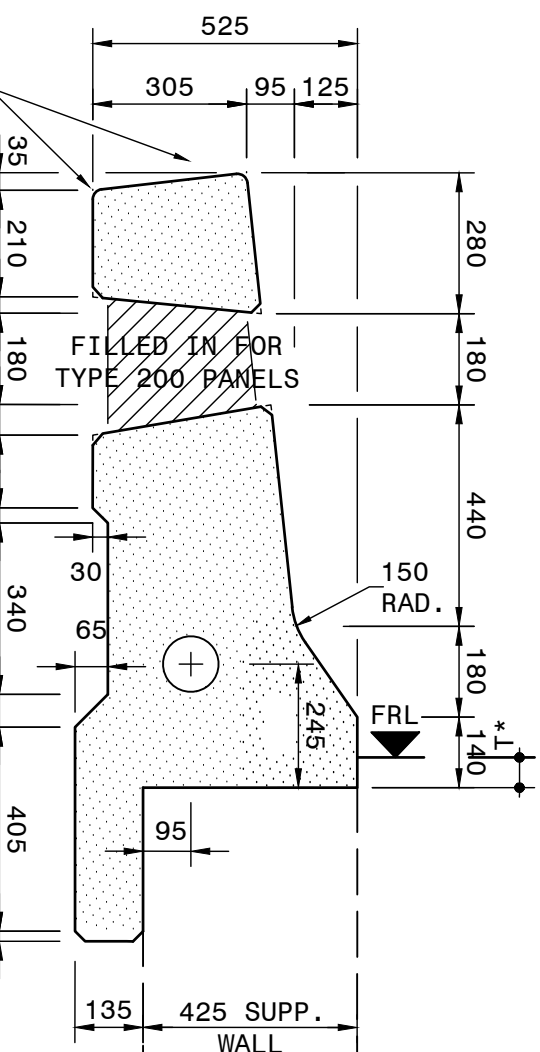
SECTION D-D
SCALE: 1:15



SECTION E-E
SCALE: 1:15



FILLET DETAIL
NTS



SECTION F-F
SCALE: 1:15

- NOTES:
1. CONCRETE CLASS :
PARAPET : 30/19
ENDBLOCK : 30/19
BARRIER : 30/19
 2. FORMWORK & CONCRETE FINISH :
EXPOSED SURFACES : F3, U3
 3. ALL EXTERNAL CORNERS TO BE GIVEN A 20mm x 20mm CHAMFER
 4. ALL JOINTS BETWEEN PANELS AND ALL VERTICAL DIMENSIONS SHOWN SHALL BE PERPENDICULAR TO THE ROAD SURFACE IN ALL CASES.
 5. ALL DIMENSIONS TO BE CHECKED ON SITE, ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
 6. THE ENGINEER MUST APPROVE ALL DIMENSIONS AND LEVELS.

ORIGINAL

CONSTRUCTION RECORD				DESIGNED BY		CONSULTANT APPROVAL		HEAD OFFICE		EASTERN REGION		ACCEPTANCE		PROJECT NUMBER		DRAWING LOCATION DATA		DRAWING DESCRIPTION		BRIDGE/STRUCTURE No.		CONSULTANT DRAWING No.		SANRAL DOC #	
Name : Marshall Mathen Prof. Reg. No. : 20030179 Date : 02/2021				NAME : M GOOSEN Prof. Reg. No. : 20090247		Name : B. WHITE Prof. Reg. No. : 20100354 Date : 02/2021		48 Tambotie Avenue Val de Grace, Pretoria 0154		58 van Eck Place Mkondeni Pietermaritzburg 3201		THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING		NRA N.003-030-2017/2F		ROUTE : N3 SECTION : 3 DRAWING km DISTANCE : N/A		MARKET ROAD IC: MARKET ROAD OVER CLELAND ROAD B0559 AT KM 6.751 END BLOCK CONCRETE DETAILS		B0559		20156-WSP-DR-CS-DD-5015		VER V1	
Name : J STRYDOM Prof. Reg. No. : 20140327				NAME : J STRYDOM Prof. Reg. No. : 20140327		Name : B. WHITE Prof. Reg. No. : 20100354 Date : 02/2021		PO Box 415 Pretoria 0001 South Africa Tel: (012) 844 8000		PO Box 100410 Scottsville 3209		For CEO: SA NATIONAL ROADS AGENCY LTD.		DRAWING TYPE : BRIDGES		STRUCTURES - BRIDGES		END BLOCK CONCRETE DETAILS		B0559		20156-WSP-DR-CS-DD-5015		VER V1	
Name : J BIAYA Prof. Reg. No. : 20140327				NAME : J BIAYA Prof. Reg. No. : 20140327		Name : B. WHITE Prof. Reg. No. : 20100354 Date : 02/2021		PO Box 415 Pretoria 0001 South Africa Tel: (012) 844 8000		PO Box 100410 Scottsville 3209		For CEO: SA NATIONAL ROADS AGENCY LTD.		DRAWING TYPE : BRIDGES		STRUCTURES - BRIDGES		END BLOCK CONCRETE DETAILS		B0559		20156-WSP-DR-CS-DD-5015		VER V1	
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