



- NOTES:**
- THIS DRAWING SHOWS STANDARD DETAILS WHICH ARE INDICATIVE OF THE BASIC PRINCIPLES WHICH ARE PREFERRED BY ASHGHAL.
 - THE STANDARD DETAILS ARE GENERIC IN NATURE AND MUST BE FURTHER DEVELOPED BY THE DESIGNER AS NECESSARY TO SUIT THE PARTICULAR APPLICATION.
 - BRIDGE PARAPETS SHALL COMPLY WITH QATAR HIGHWAY DESIGN MANUAL (QDM 2020) VOLUME 3 PART 23 SECTION 6 AND IN PARTICULAR SUB-SECTIONS 6.8 & 6.12.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ASHGHAL STANDARD DRAWINGS FOR ROAD WORKS SECTION 6 PART 10.
 - DESIGNERS SHALL ADOPT THE STANDARD STITCHING DETAILS SHOWN AS THE BASIS OF THEIR DESIGN UNLESS THEY CONSIDER THAT A DETAIL IS UNSUITABLE AND AGREE WITH ASHGHAL THAT IT SHALL NOT BE USED.
 - THIS DRAWING SHALL BE USED IN CONJUNCTION WITH ALL APPLICABLE ASHGHAL STANDARD DETAILS, DESIGN INSTRUCTIONS, CIRCULARS, ADVICE NOTES ETC.
 - DESIGNERS SHALL REFER ANY DISCREPANCIES OR CONTRADICTIONS BETWEEN THIS DRAWING AND OTHER APPLICABLE ASHGHAL STANDARD DETAILS, DESIGN INSTRUCTIONS, CIRCULARS, ADVICE NOTES ETC. TO ASHGHAL FOR DIRECTION.

- NOTES:**
- PRECAST BARRIERS SHALL BE CONNECTED WITH SHEAR KEYS BETWEEN UNITS.
 - IN-SITU BARRIERS SHALL BE CONNECTED WITH DOWEL BARS ACROSS JOINTS.
 - DOWEL BARS SHALL BE STAINLESS STEEL.
 - UNITS LENGTH SHALL BE 4500MM (MIN 3000MM).
 - IF PRECAST UNIT LENGTHS CANNOT BE IMPLEMENTED DUE TO THE ROAD ALIGNMENT CURVATURES, PARAPETS (INCLUDING MSE WALLS) SHALL BE CAST IN-SITU.
 - PROTECTIVE COATING ON CONCRETE SURFACE SHALL BE AS PER IAN027.
 - INNER/OUTER COVER PLATES AT EXPANSION JOINT LOCATIONS AS PER PWA SD 5-1-501.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

01	NOV 23	ISSUED FOR USE	
00	SEPT 13	ISSUED FOR USE	
Rev.	Date	Revision Details	Appd.
هيئة الأشغال العامة Public Works Authority			
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PA PROJECTS AFFAIRS			
QCS Section: 5 (CONCRETE) PART 1 (GENERAL)			
Drawing Title: CONCRETE BRIDGE PARAPETS STITCHING DETAILS			
Author: C.ANAGNOSTAKI		Sheet No: 1 OF 1	
Approved: T.TZAVEAS		Scale: AS NOTED FOR A1	
Date: NOVEMBER 2023		Revision:	
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