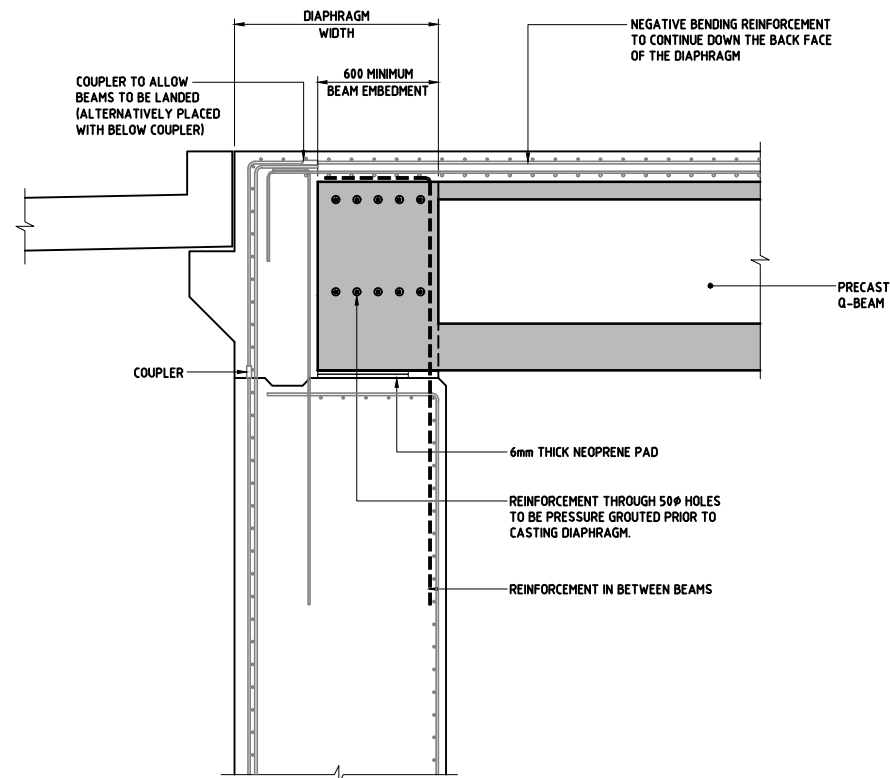
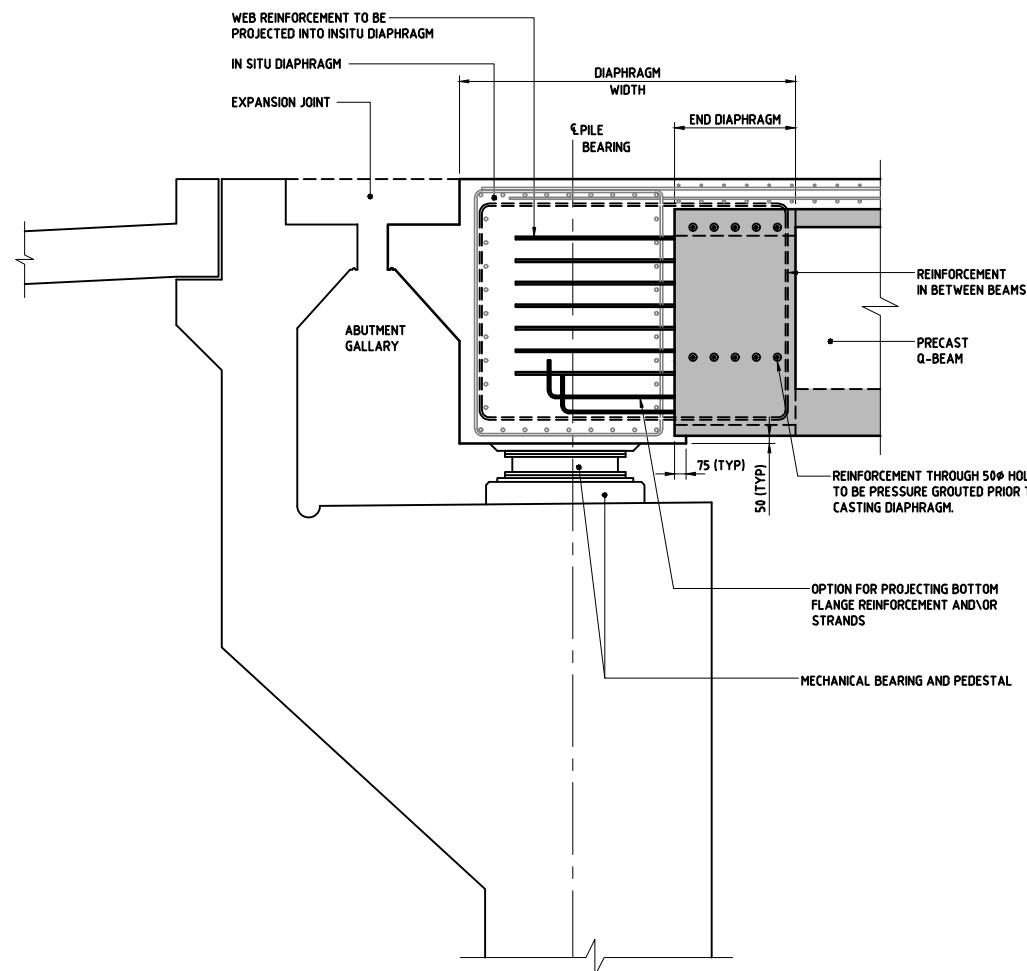




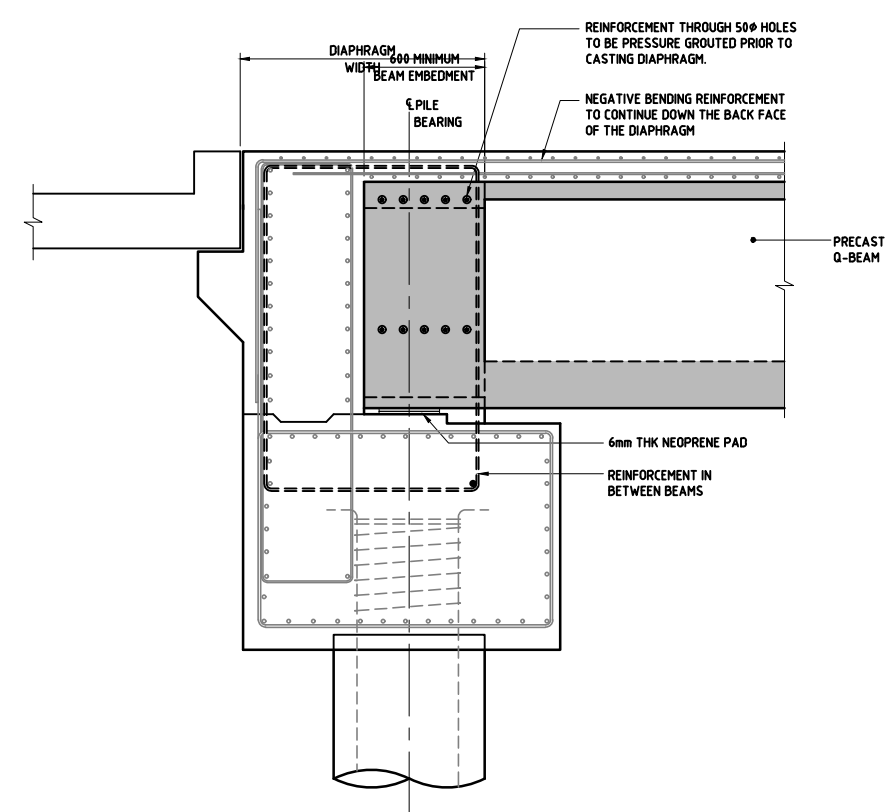
**FULL HEIGHT INTEGRAL ABUTMENT
PORTAL FRAME TYPE**

SCALE 1:20



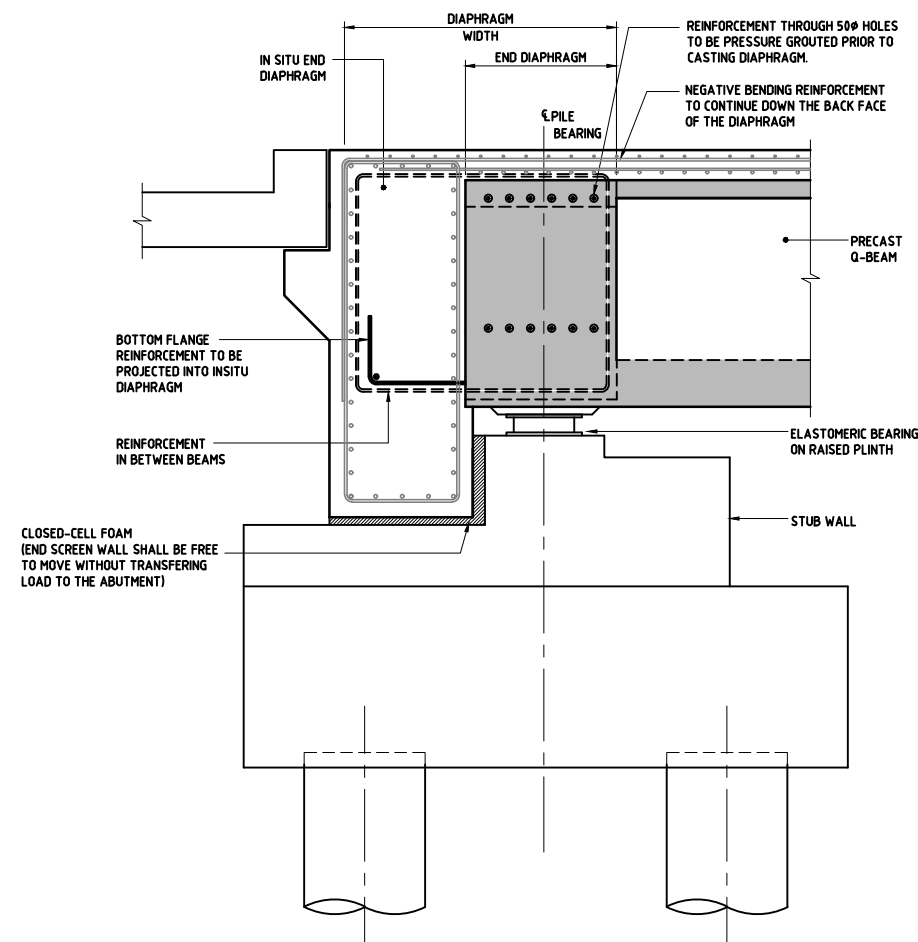
**CONVENTIONAL ABUTMENT
TYPICALLY FOR ELEVATED STRUCTURES**

SCALE 1:20



EMBEDDED INTEGRAL ABUTMENT

SCALE 1:20



**SEMI-INTEGRAL ABUTMENT
END SCREEN WALL**

SCALE 1:20

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. MINIMUM COVER TO BE 50mm UNLESS OTHERWISE SHOWN.
3. REINFORCEMENT TO BE DEFORMED ROUND STEEL BARS TYPE 2 GRADE 500 COMPLYING WITH REQUIREMENTS OF BS 4449 AND CUT AND BENT IN ACCORDANCE WITH BS 8666.
4. REINFORCEMENT SHOWN IS INDICATIVE. DESIGN DRAWINGS SHALL BE PREPARED AND DESIGNERS SHALL PROVIDE THE BAR DIAMETERS REQUIRED BY THE DESIGN.
5. THE APPROACH SLAB DETAILS ARE INDICATIVE. THE APPROACH SLAB DETAILS SHOULD BE IN ACCORDANCE WITH THE APPROPRIATE DETAILS IN IAN-32 EXPRESSEWAY PROGRAMME STRUCTURES STANDARD DETAILS.

Rev.	Date	Revision Details	Appd.
2	23/10/2013	REVISED LOGO AND DWG NUMBER	I. FLYNN
1	23/9/2013	Note 5 added. Approach Slab details.	I. FLYNN

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PA
PROJECTS AFFAIRS

QCS Section: 5 (CONCRETE)
PART 1 (GENERAL)

Drawing Title: Q- GIRDER
TYPICAL ABUTMENT DETAILS

Approved: I. FLYNN	Sheet No: 1 OF 1
Date: OCTOBER 2013	Scale: AS SHOWN @ A1
Drawing Number: SD 5-1-110	Revision: 2