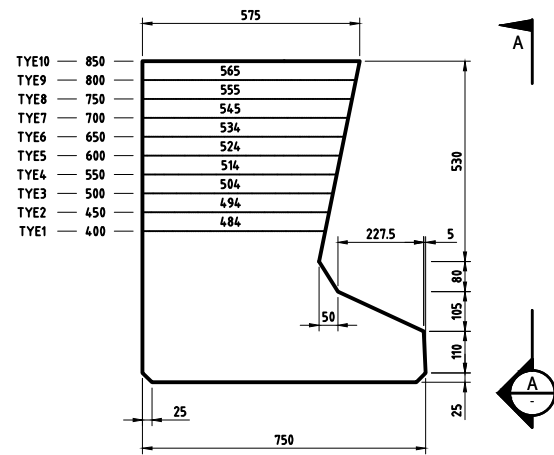
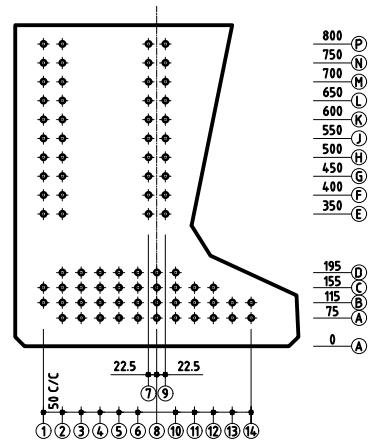
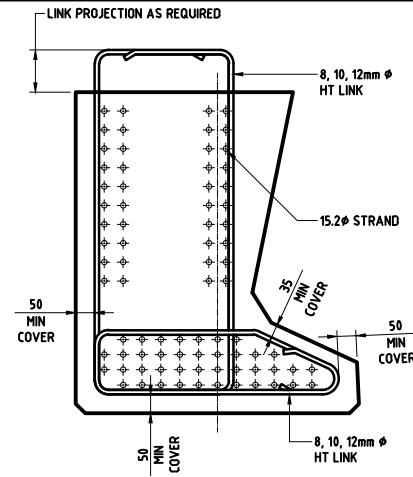




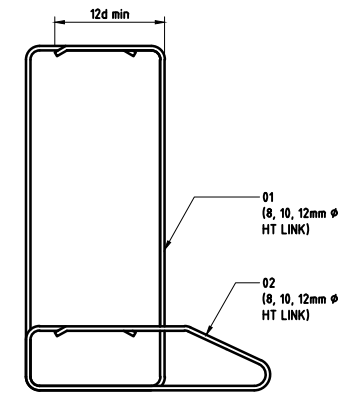
SECTION
SCALE 1:10



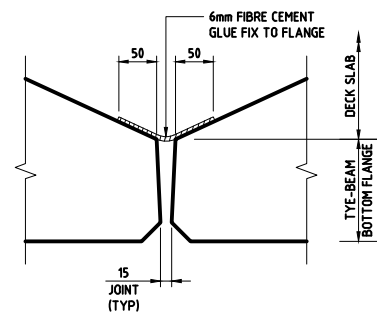
PRESTRESSING STRANDS
SCALE 1:10



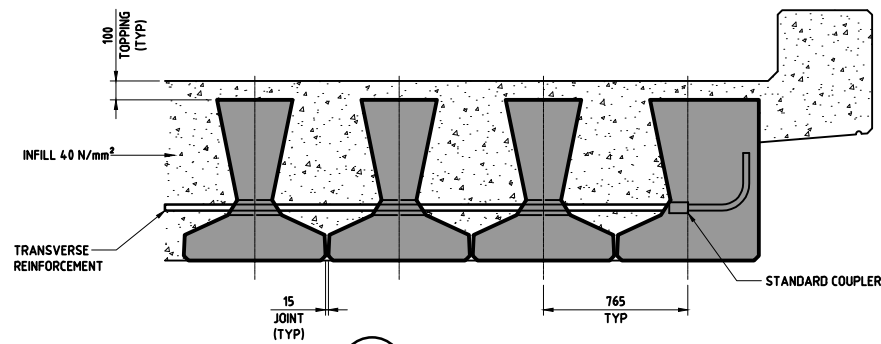
REINFORCEMENT
SCALE 1:10



TWO PIECE LINK
SCALE 1:10

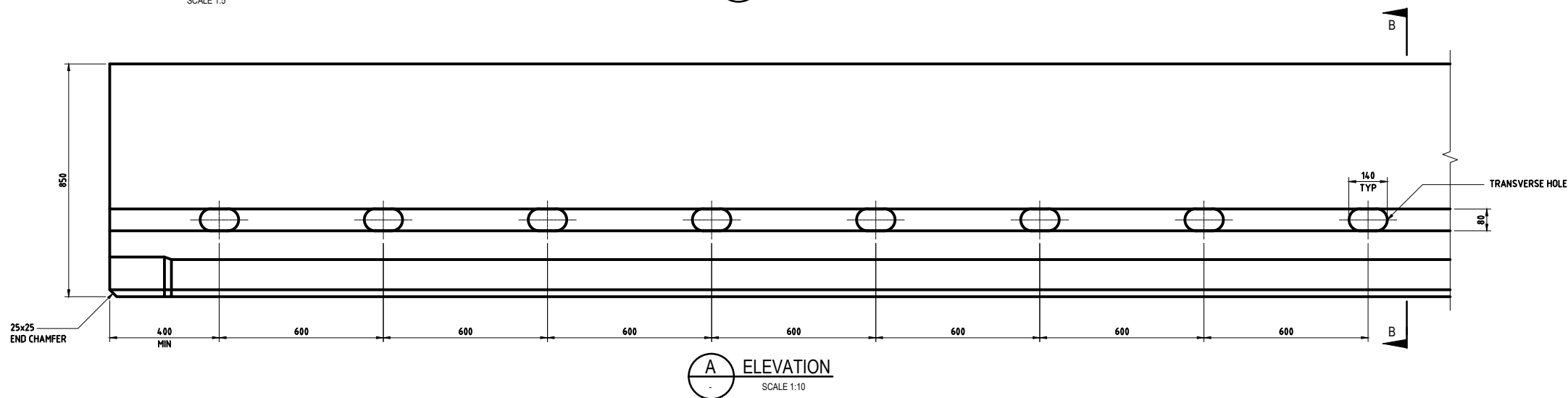


SEALING DETAILS
JOINTS BETWEEN BEAMS
(TO PREVENT LOSS OF CONCRETE AT DECK POUR)
SCALE 1:5

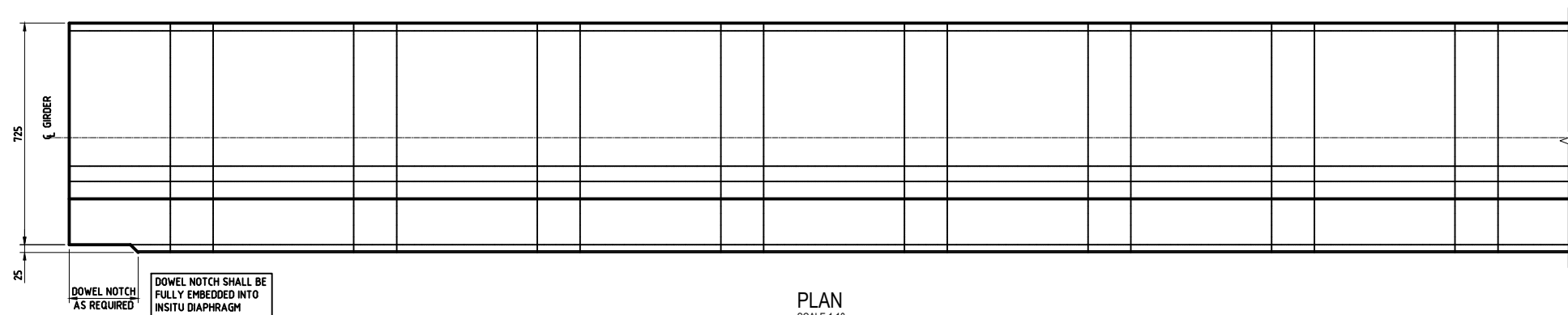


B SECTION
SCALE 1:20

SECTION PROPERTIES								
SECTION NO	INDICATIVE SPAN (m)	DEPTH (mm)	AREA (mm ²)	I (x10 ¹⁰) (mm ⁴)	Yb (mm)	Zt (mm ³ x 10 ⁶)	Zb (mm ³ x 10 ⁶)	Xc FROM VERTICAL FACE
TYE1	4-8	400	244390	31.468	179	14.24	17.58	318
TYE2	7-9	450	268877	44.965	202	18.13	22.26	311
TYE3	8-10	500	293872	62.123	225	22.59	27.61	306
TYE4	9-11	550	319376	83.315	249	27.68	33.46	302
TYE5	10-12	600	345387	108.982	273	33.33	39.92	299
TYE6	11-13	650	371906	139.484	299	39.74	46.65	296
TYE7	12-14	700	398932	175.284	324	46.62	54.10	294
TYE8	13-15	750	426467	216.755	350	54.19	61.93	293
TYE9	14-16	800	454509	264.366	376	62.35	70.31	292
TYE10	15-17	850	483050	318.572	403	71.27	79.05	292



A ELEVATION
SCALE 1:10



PLAN
SCALE 1:10

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. INDICATIVE SPAN RANGE SHOWN IS FOR SIMPLY SUPPORTED CONDITIONS. DESIGNERS ARE TO CONSIDER ECONOMISING THE BEAMS IN CONTINUOUS CONSTRUCTION.
3. MINIMUM 28DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 55MPa (CUBE).
4. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE TRANSFER TO BE 40MPa (CUBE)
5. MINIMUM CONCRETE COVER TO REINFORCEMENT IS AS SHOWN ON THE DRAWING.
6. 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.
7. REINFORCEMENT SHOWN IS INDICATIVE. DESIGN DRAWINGS SHALL BE PREPARED AND DESIGNERS SHALL PROVIDE THE BAR DIAMETERS REQUIRED BY THE DESIGN.
8. STRANDS SHALL BE IN ACCORDANCE WITH EXW DESIGN CRITERIA, UNLESS OTHERWISE AGREED WITH ASHGHAL.
9. MAXIMUM JACKING FORCE (% OF GUTS) = 75%

Rev.	Date	Revision Details	Appd.
1	23/10/2013	REVISED LOGO AND DWG NUMBER	I. FLYNN

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PA
PROJECTS AFFAIRS

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

Drawing Title: TYE - BEAMS

Approved: I. FLYNN	Sheet No: 1 OF 1
Date: OCTOBER 2013	Scale: AS SHOWN @ A1
Drawing Number: SD 5-1-112	Revision: 1