



PARAPET CONNECTION
BEAM SEE DRG. NO. BPL-200-62
(TYP. B242 - S7/169)

SHEAR PLATE
SEE DRG. NO. BPL-100-65

END ELEVATION DETAIL

SAFETY FENCE BY OTHERS:
FOR TYPICAL DETAILS & LAYOUT CONSULT
PROMOTERS & REFER TO -NPSRS-HCD
GA140 SERIES DRGS.

SHEAR PLATE/PARAPET CONNECTION BEAMS
TO POST FIXINGS ARE 4 OFF M12 X 35 LG.
A4-80 SET SCREWS AND 4 PLAIN
WASHERS. TORQUE TO : 68 NM

END POST 1 ASSEMBLY
SEE DRG. NO. BPL-100-71

18-OFF M12 X 35 LG. A4-80 SET SCREWS
NYLOC NUT + 2 X A4 FORM-A WASHER
(FIXING PARAPET CONNECTORS TO
SHEAR PLATE). TORQUE TO: 68 NM

(BASE PLATES REMOVED FOR CLARITY)
RAIL TO POST (CENTRAL) FIXINGS:
3-OFF M12 X 60 LG. A4-80 BOLTS
NYLOC NUT + 1 X A4 FORM-A WASHER.
TORQUE TO: 68 NM

CONTACT SURFACES BETWEEN
PARAPET CONNECTION BEAM &
SHEAR PLATE TO BE PAINTED WITH
2 COATS OF BRILLIANTOUS PAINT
TO BS 3416.

RAIL TO POST (OUTER) FIXINGS
ARE 6-OFF M12 X 60 LG. A4-80
BOLTS AND 4 PLAIN
WASHERS. TORQUE TO : 68 NM

END POST 2 ASSEMBLY
SEE DRG. NO. BPL-100-72

EXTENT OF MESH INFILL
(IF REQUIRED)

SHEAR PLATE
SEE DRG.
NO. BPL-100-65

END ELEVATION OF SAFETY FENCE CONNECTION

ELEVATION OF SAFETY FENCE CONNECTION

SYSTEM & COMPONENTS ARE COVERED BY DESIGN REGISTRATION & PATENT APPLICATIONS.

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NOTES

- 1) THE CENTRELINE OF THE SAFETY FENCE SHALL BE SLOPED
AT A RATE OF 1:100 TO LINE UP WITH THE CENTRELINE OF
THE CONNECTING PLATE AT THE END OF THE BRIDGE
PARAPET. (AS PER H.C.D.)
- 2) SPACERS TO LOWER RAILS (3 POSITIONS) TO BE SITE FITTED.
SPACERS TO ALL OTHER RAIL POSITIONS CAN BE SHOP FITTED.
- 3) IF SAFETY FENCE CONNECTION IS INSTALLED ON A GRADIENT
ENSURE POST ANCHORS (BOTH POSIS) ARE CAST 90° TO
TOP OF PLINTH.

E	14/08/07	SHEAR PLATE/POST BASE FIXINGS WERE 45mm LG. NOW 50mm LG.
D	12/07/07	SHEAR PLATE/PARAPET CONNECTION BEAM FIXINGS WERE 30mm LG. NOW 35mm LG. RAIL TO POST (OUTER) FIXINGS WERE 55mm LG. SET SCREWS NOW 60mm LG. BOLTS
C	04/07/07	M12 X 35 LG. FIXINGS WERE BOLTS NOW SET SCREWS
B	19/06/07	ANGLED RAIL INSERT ADDED.
A	14/12/06	ANCHOR NOTE ADDED. ISSUED FOR USE
REV.	DATE	AMENDMENT

BRIDGE PARAPETS LTD
 TWICKENHAM INDUSTRIAL PARK, MAIN OFF. CEN, 5025-51116, SCOTLAND, IV6 7JL
 TEL: +44 (0) 1463 870194 FAX: +44 (0) 1463 870667
 EMAIL: SALES@BRIDGE-PARAPETS.COM WEB: WWW.BRIDGE-PARAPETS.COM

DRAWN	PA	CHECKED	DM
DATE	04/12/06	SCALE	N.T.S.

TITLE
OPEN BOX BEAM SAFETY FENCE CONNECTION
 [WITHOUT RUB RAIL CONNECTION - BPL 100 SYSTEM]
 [HCD - GA140]

DRAWING NUMBER
BPL/100/19