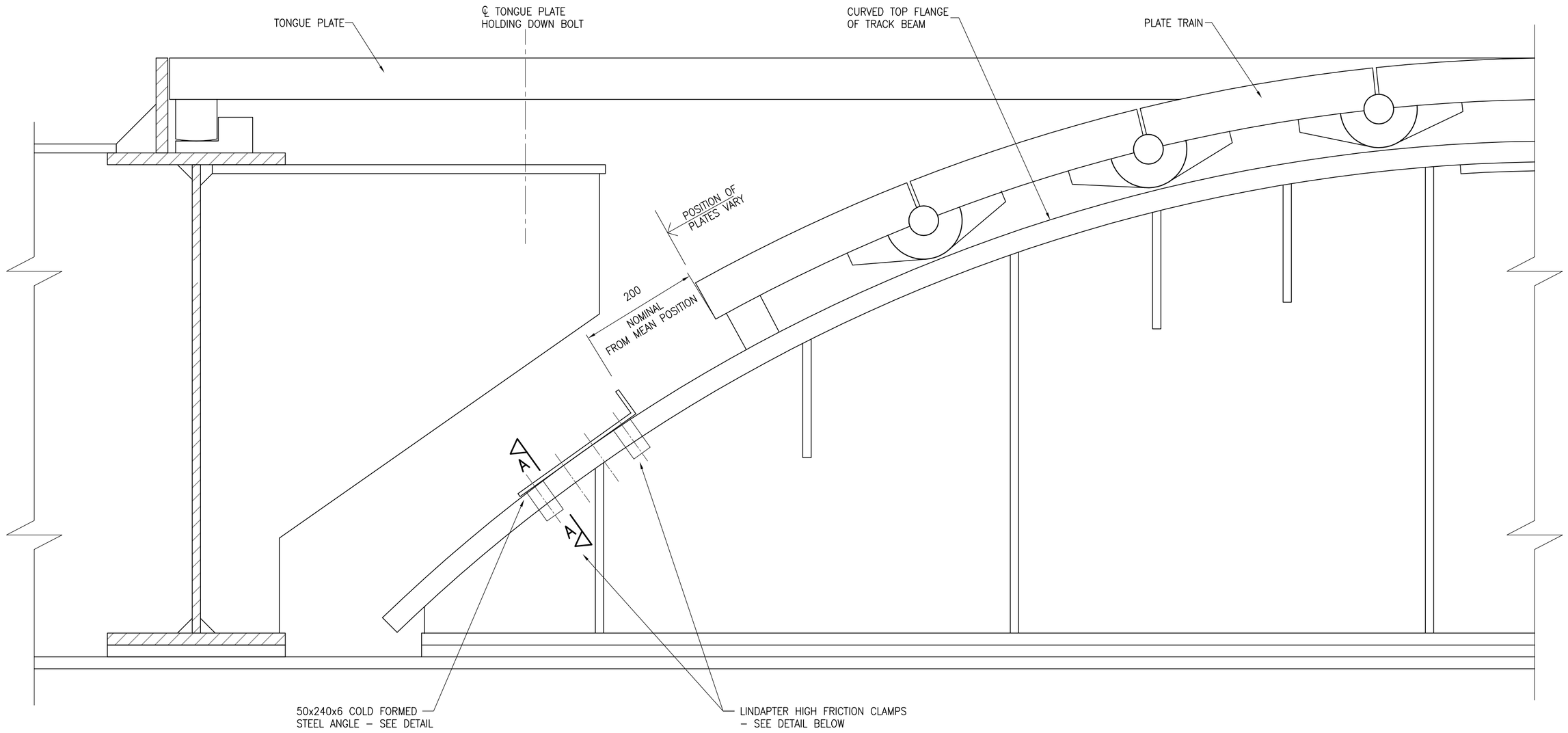
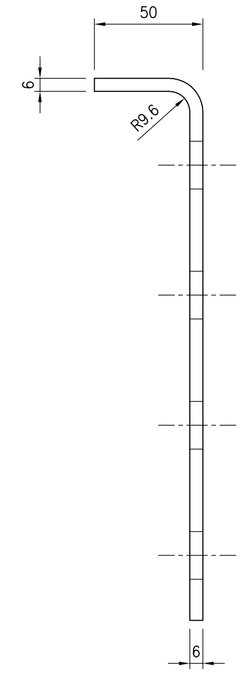
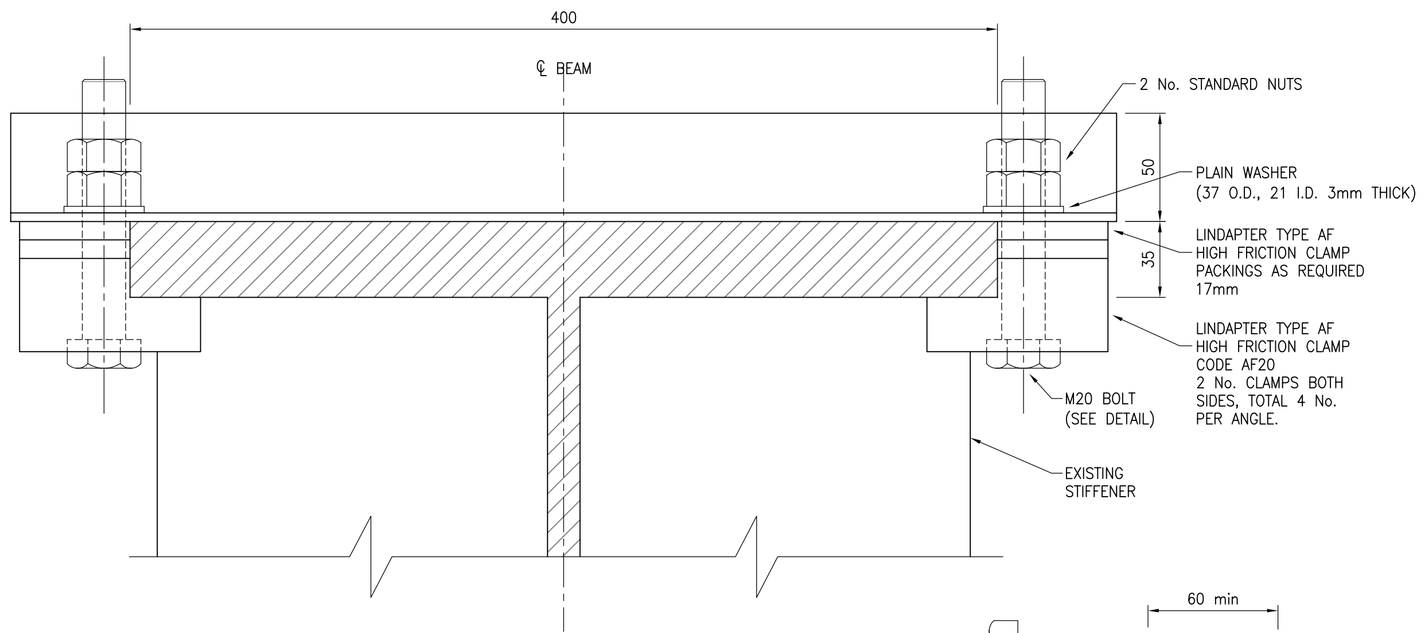


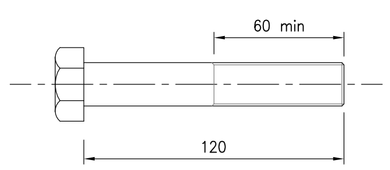
PARTIAL ELEVATION ON ROLLER SHUTTER JOINT
(MAIN SPAN SIDE)
SCALE 1:5



SECTION B–B
(SCALE 1:2)

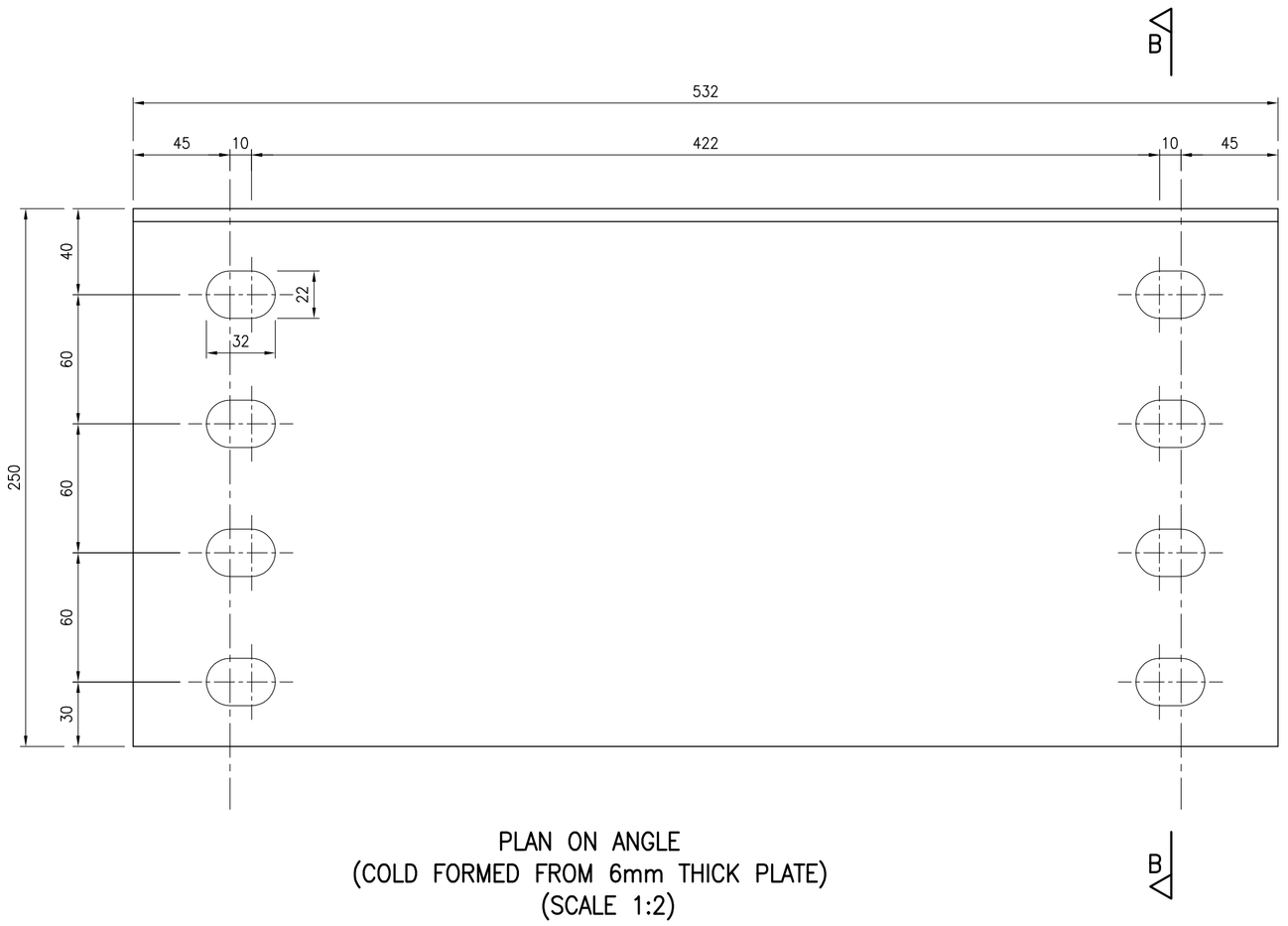


SECTION A–A
(ACROSS TOP OF TRACK BEAM)
(Scale 1:2)



CLAMP BOLT DETAIL
(M20x120, Grade 8.8 TO BS3692)
112 No. Reqd
(Scale 1:2)

EACH BOLT TO HAVE LINDAPTER CLAMP TYPE AF, 1 PLAIN WASHER HARDNESS CLASS 200HV, 2 STANDARD NUTS.



PLAN ON ANGLE
(COLD FORMED FROM 6mm THICK PLATE)
(SCALE 1:2)

ATKINS

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE BASED ON ORIGINAL CONSTRUCTION DRAWINGS AND MAY DIFFER FROM ACTUAL DIMENSIONS ON SITE.
3. FOR FULL LIST OF NUMBER OF COMPONENTS, SPECIFICATION AND GRADES REFER TO APPENDIX 18/1 OF THE SPECIFICATION.
4. EACH ANGLE MUST BE CLAMPED BY A MINIMUM OF 4 No. LINAPTER TYPE AF CLAMPS (2 No. PER SIDE). ADDITIONAL HOLES HAVE BEEN PROVIDED IN THE ANGLE TO ENABLE CLAMPS TO BE FITTED WITHOUT CLASHING WITH EXISTING TRACK BEAM STIFFENER.
5. ALL COMPONENTS TO BE HOT DIP GALVANISED IN ACCORDANCE WITH BS EN ISO 1461.
6. END STOP ANGLES TO BE FITTED TO MAIN SPAN ONLY.
7. END STOP DESIGNED ONLY TO ACCOMMODATE SELF WEIGHT OF PLATE TRAIN.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS
CONSTRUCTION
WORK AT HEIGHT, HIGH WINDS AND LIMITED WORKING SPACE
MAINTENANCE/CLEANING
WORK AT HEIGHT, HIGH WINDS AND LIMITED WORKING SPACE
USE
NONE
DECOMMISSIONING/DEMOLITION
WORK AT HEIGHT, HIGH WINDS AND LIMITED WORKING SPACE

Stat	Rev	Purpose of Issue	Date	Auth
C		FOR CONSTRUCTION	08/09	
P		FOR CHECK	04/09	

Rev	Description	By	Date	Chk'd	Auth
	WASHERS CLARIFIED				
D	NUMBER OF CLAMP BOLTS AMENDED	GV	16/09/09	DRT	SHJ
C	THICKNESS OF ANGLE INCREASED	GV	16/07/09	DRT	SHJ
B	NOTES 6 AND 7 ADDED.	GV.	02/07/09		
A	FIRST ISSUE	GV	23/06/09	DRT	SHJ

Atkins Limited ©
The Hub, Aztec West
500, Park Avenue
Almondsbury
Bristol
BS32 4RZ
Tel: (01454) 662000
Fax: (01454) 663333
www.atkinsglobal.com

Client
FORTH ESTUARY TRANSPORT AUTHORITY

Project
FORTH ROAD BRIDGE
JOINT REPLACEMENT

Title
FAILSAFE MEASURES
DETAILS OF PLATE TRAIN END STOP

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A1	As Shown	GV Date 04/09	DRT Date 06/09	SHJ Date 06/09

Status	Drawing Number	Rev
C	5057541/314/102	D

Rev D
Drawing Number 5057541/314/102
Status C
DO NOT SCALE
A1
0 10 100
File: 5057541_314_102_RevD.dwg
Date: Sep 24, 2009 – 2:58pm Plotted by: voyc4793
P:\GBBSB\HandT\TSol\CN\5057541_301 Forth Bridge_JONE1651\70 Drawings\5057541_314_102_RevD.dwg