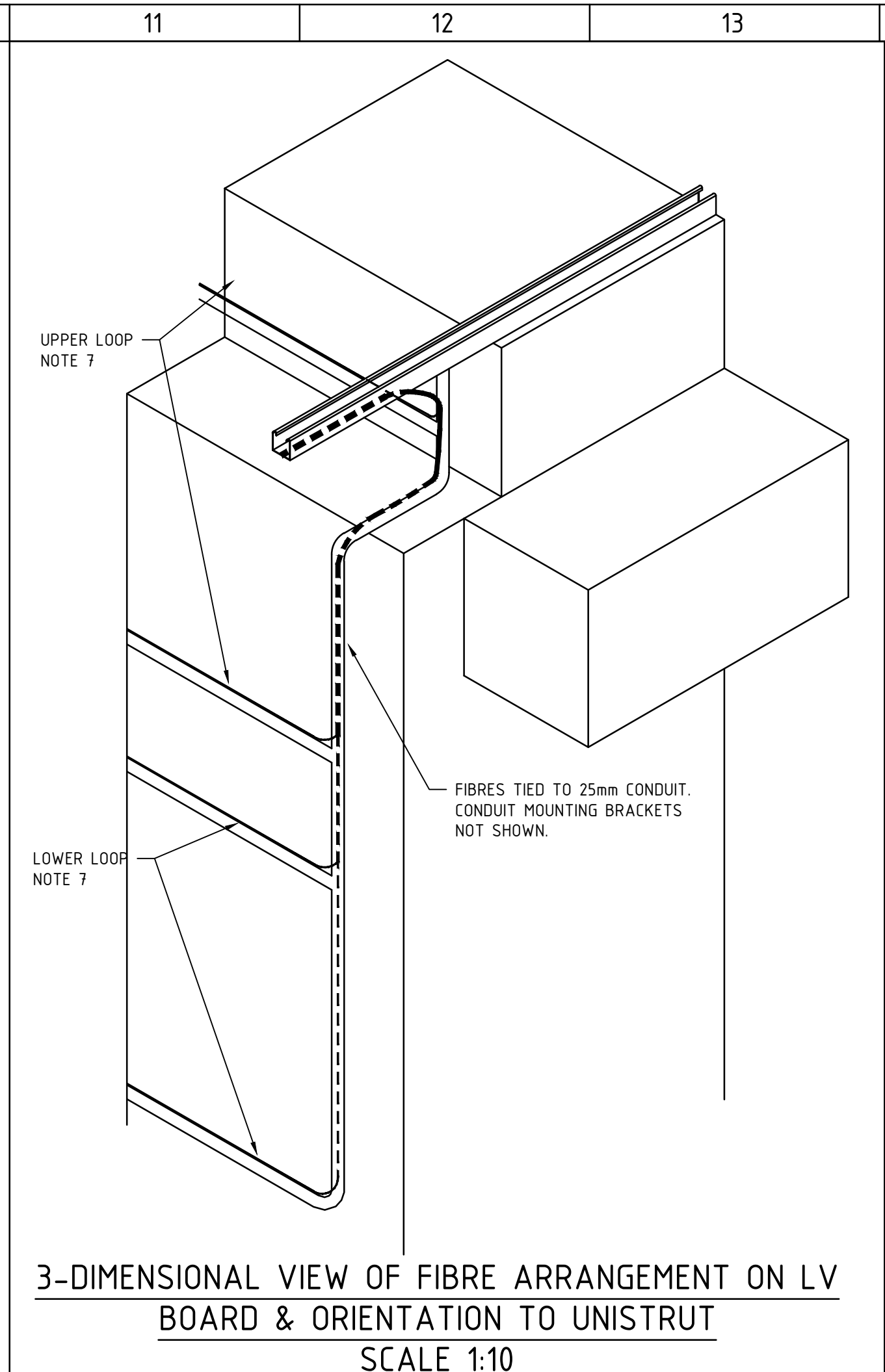
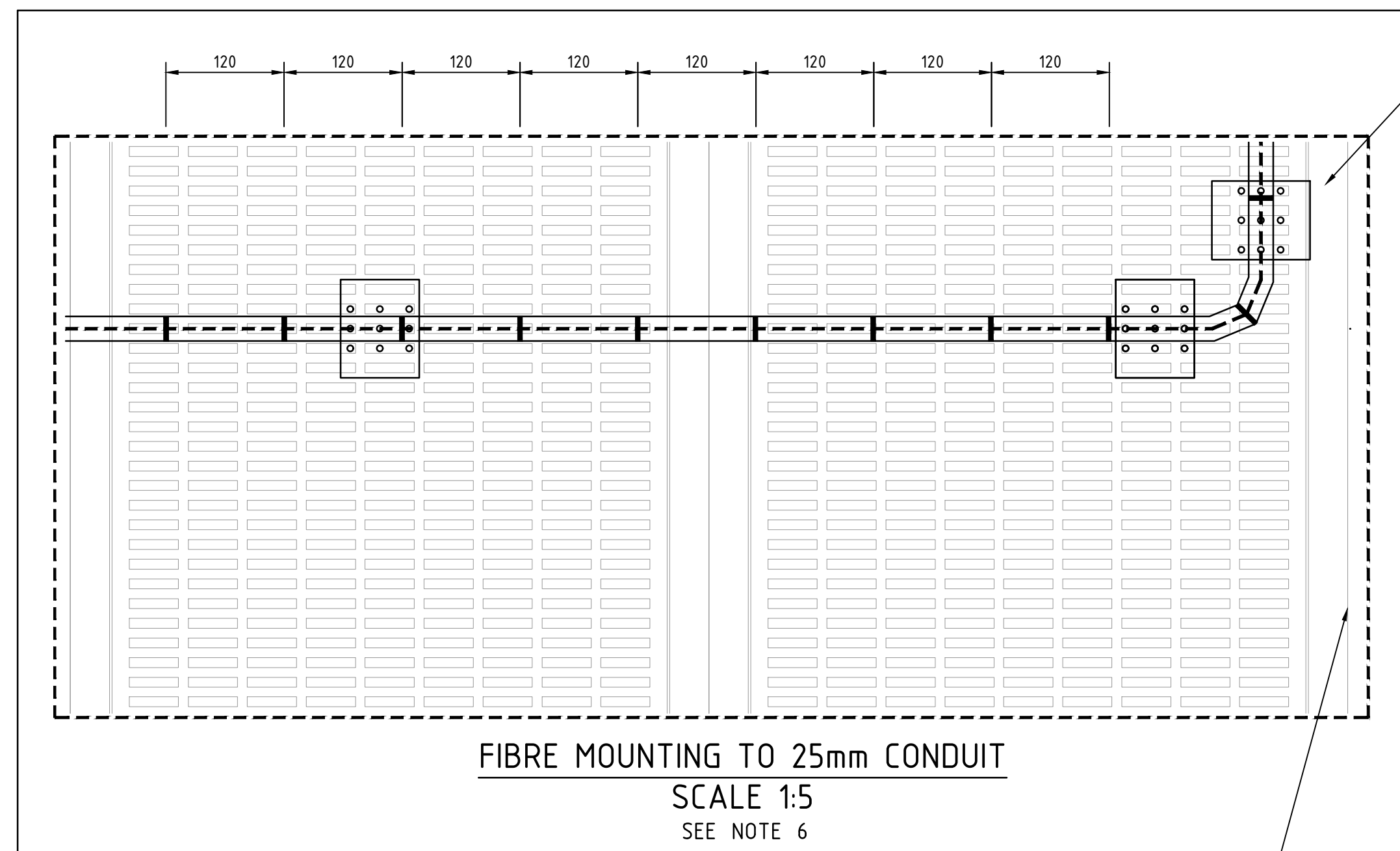


FIBRE LAYOUT - REAR VIEW OF E TYPE LV BOARD
SCALE 1:10

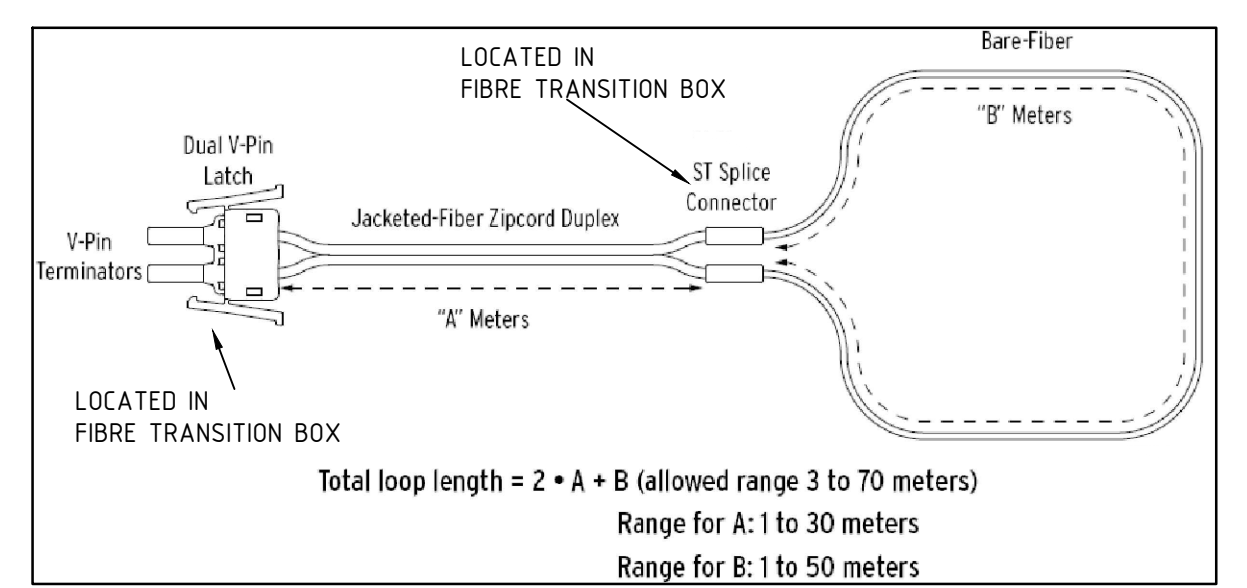


3-DIMENSIONAL VIEW OF FIBRE ARRANGEMENT ON LV BOARD & ORIENTATION TO UNISTRUT
SCALE 1:10

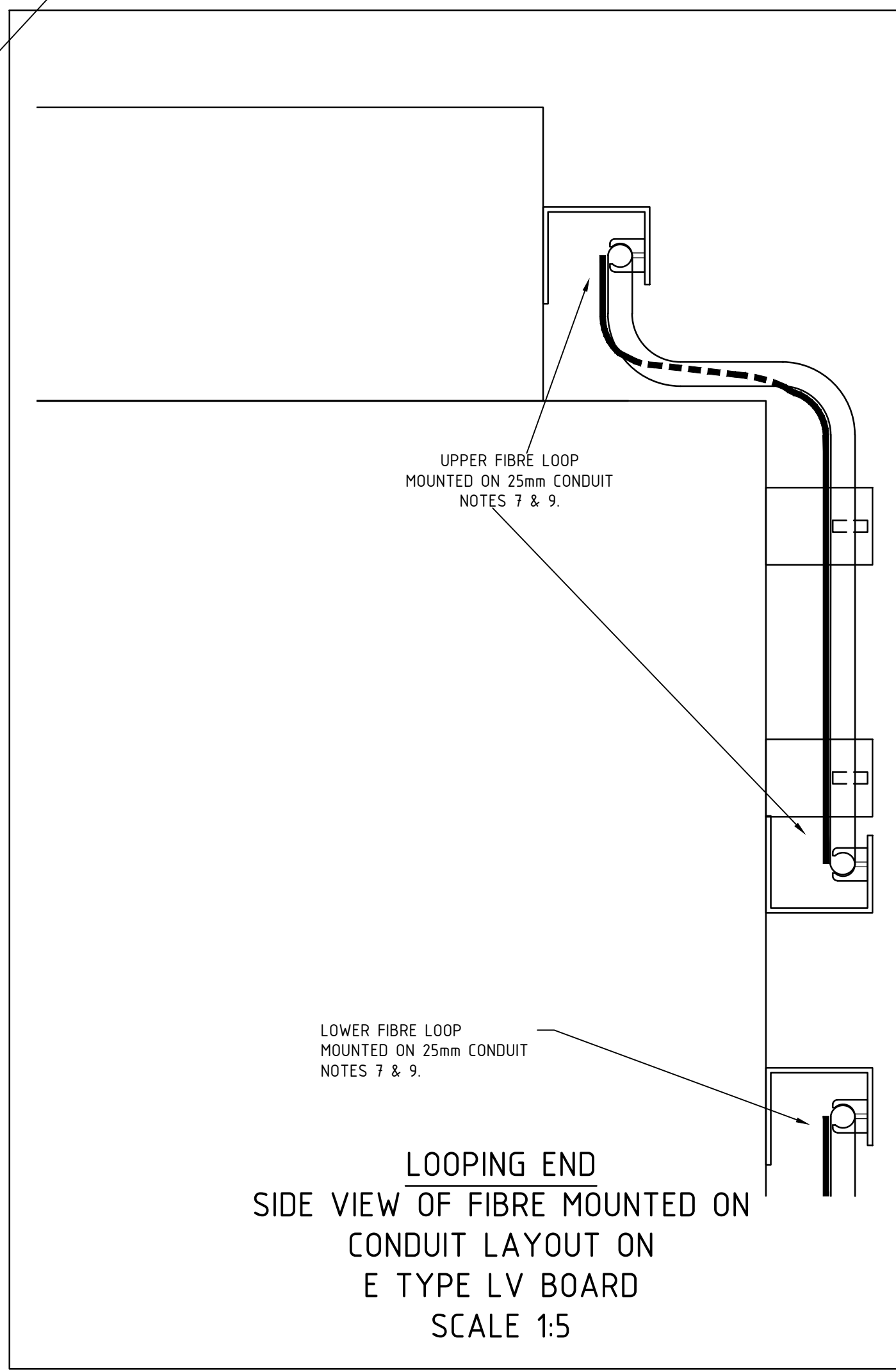
- NOTES:**
- BENDING RADIUS OF FIBRE MIN 50mm
 - FIBRE TO BE FIXED EXTERNALLY TO 25mm CONDUIT, MOUNTED AT THE REAR OF E TYPE LV BOARD, BY MEANS OF VELCRO CABLE TIES SUCH AS COBAC 10mm WIDE PROCABLE TIES. CARE MUST BE TAKEN TO ENSURE THAT THE FIBRE OPTIC LOOP IS NOT DAMAGED AND THE INDIVIDUAL FIBRE LOOPS ARE NOT INTERTWINED WHILE MOUNTING.
 - SHOWN IS TYPICAL LAYOUT FROM LARGEST PANEL CONFIGURATION TAKEN FROM DRAWING 178227
 - UNISTRUT TO BE MOUNTED BETWEEN REAR WALL & LV BOARD. THIS WILL BE USED TO RUN THE FIBRE LOOP BETWEEN THE LV BOARD & THE FIBRE OPTIC TRANSITION BOX. UNISTRUT FIBRE TAKE OFF SUPPORT SHOULD BE LOCATED AT END OF SWITCHBOARD THAT RESULTS IN THE SHORTEST FIBRE ROUTE TO PROTECTION PANELS. THE DEPICTED FIBRE ROUTING WILL BE OPPOSITE LAYOUT IF UNISTRUT BRACKET IS AT OPPOSITE END TO SHOWN.
 - FIBRE OPTIC TRANSITION BOX TO BE MOUNTED ON WALL TO THE REAR, BUT NOT DIRECTLY BEHIND LV BOARD. DRAWING SHOWS TRANSITION BOX MOUNTED TO THE LEFT OF THE LV BOARD. IT IS TO BE MOUNTED AT THE SAME END AS THE UNISTRUT FIBRE TAKE OFF SUPPORT. WALL MOUNTED FIBRE TRANSITION BOX TO BE LOCATED APPROXIMATELY 1m DISTANCE FROM END OF E TYPE LV BOARD
 - IT IS CRITICAL THAT AS MUCH FIBRE AS POSSIBLE IS EXPOSED TO ANY ARCING FAULT. THE FIBRE MUST BE FIXED TO ENSURE MAXIMUM EXPOSURE. THE FIXING DISTANCE MAY BE ADJUSTED TO ENSURE THIS OCCURS.
 - REAR OF BOARD TO HAVE TWO SEPARATE FIBRE LOOPS (UPPER & LOWER) EACH LOOP TO CONSIST OF 3 INDIVIDUAL FIBRE LOOPS, 6 FIBRE LOOPS IN TOTAL. NO INDIVIDUAL LOOP MAY EXCEED 70metres, SEE TOTAL FIBRE LENGTH DIAGRAM.
 - ALL DIMENSIONS IN mm.
 - 25mm CONDUIT IS TO BE MOUNTED EXTERNALLY AT THE REAR OF THE LV BOARD AS SHOWN. THE CONDUIT IS TO BE MOUNTED ON BRACKETS SHOWN IN DRAWING 227359Sh01. THE BRACKETS ARE TO BE FIXED TO THE REAR OF THE LV BOARD BY CABLE TIES.



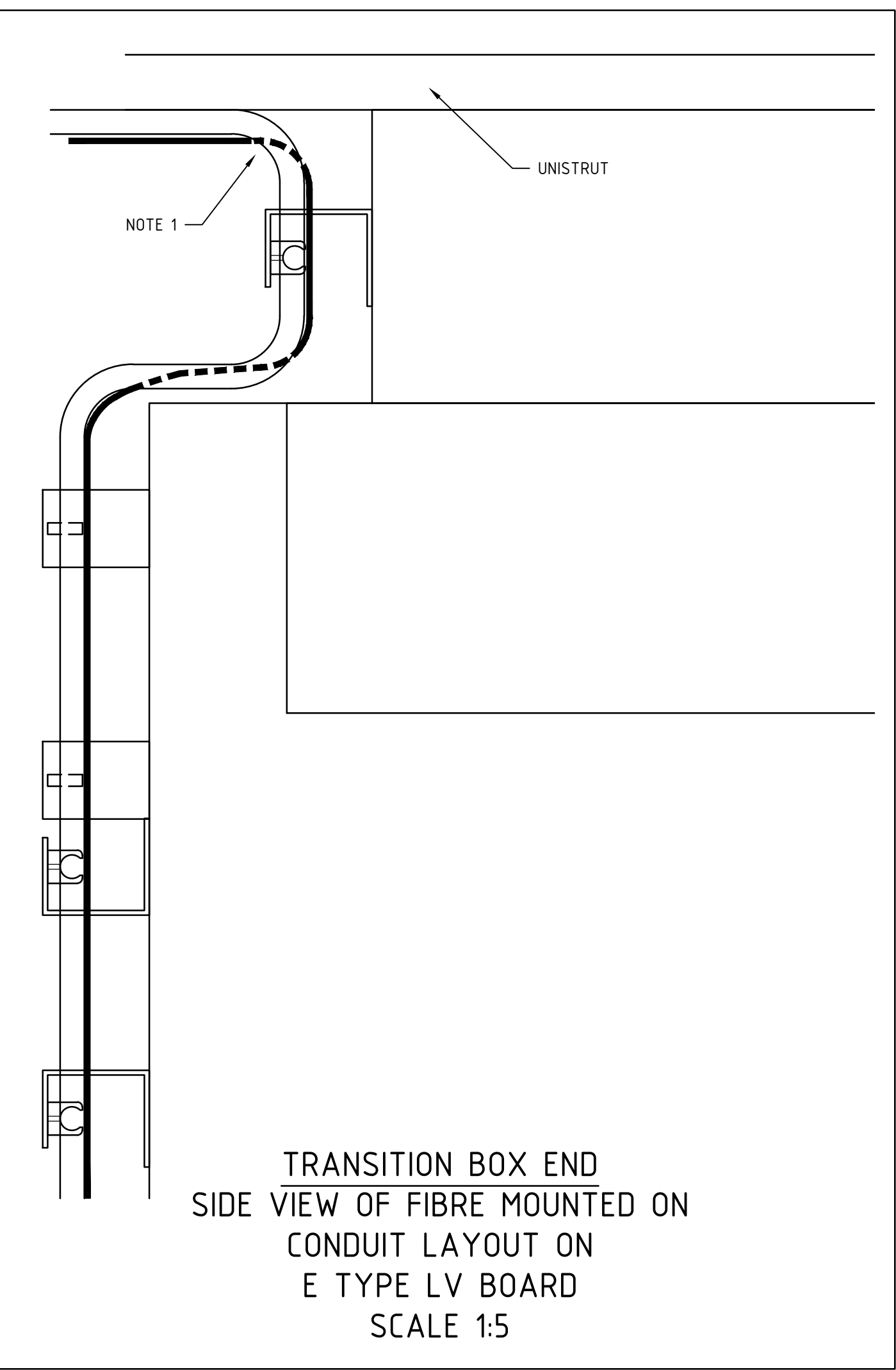
FIBRE MOUNTING TO 25mm CONDUIT
SCALE 1:5
SEE NOTE 6



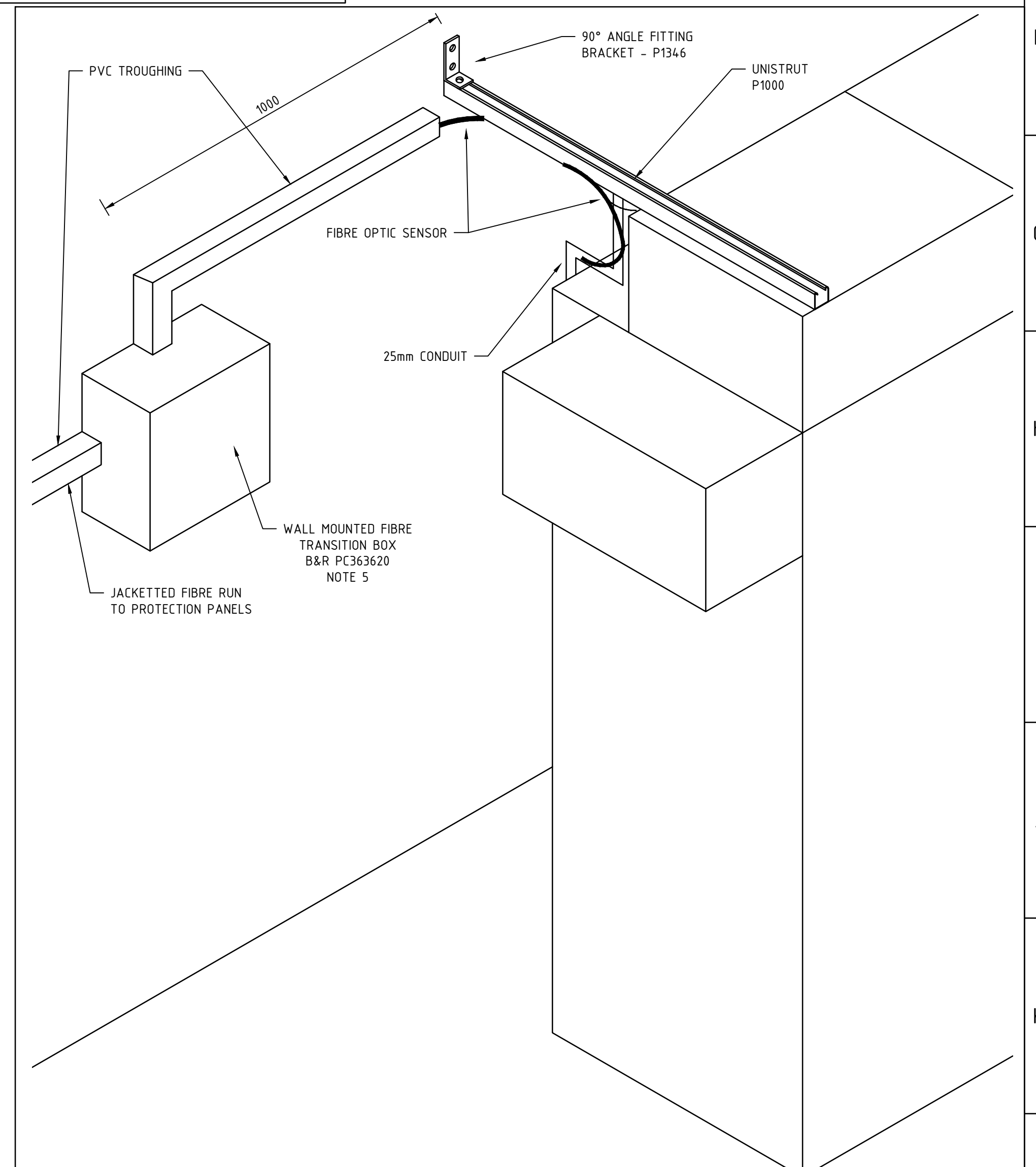
TOTAL FIBRE LENGTH DIAGRAM SEE NOTE 7.



LOOPING END SIDE VIEW OF FIBRE MOUNTED ON CONDUIT LAYOUT ON E TYPE LV BOARD
SCALE 1:5



TRANSITION BOX END SIDE VIEW OF FIBRE MOUNTED ON CONDUIT LAYOUT ON E TYPE LV BOARD
SCALE 1:5



3-DIMENSIONAL VIEW OF FIBRE RUN TO MOUNTED TRANSITION BOX THROUGH TROUGHING VIA UNISTRUT
SCALE 1:10

CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS

1. REF K2 & NOTE 7 ADDED TOTAL FIBRE LENGTH DIAGRAM SEE NOTE 7. L.MARTINUZZI 6/05/2013 B.HAINES A.TURNER APPROVED	2. REF A4, D14 & E14 AMENDED NOTES 2 & 6. ADDED NOTE 9 FOR NEW CONDUIT MOUNTING DETAILS FOR NEW CONDUIT MOUNTING METHOD. L.MARTINUZZI 13-08-2014 M.BENNETT H.BENNETT PK 5K-6717	3. NEW UPDATED BORDER ADDED
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5. MOUNTED
19/06/2014
M.BENNETT
APPROVED

Ausgrid
24 Campbell Street
SYDNEY NSW 2000
P. 9272 3805

ISSUED FOR CONSTRUCTION

SCALE	AS SHOWN
DESIGNED	-
DRAWN	N.RAMAN
CHECKED	L.MARTINUZZI
APPROVED	B.HAINES
DATE	26/06/2012
TRIM REF	-
PROJECT NUMBER	SM-6717-1-2

RMICB SUBSTATIONS
WITH E TYPE LV BOARD
AND OPTICAL ARC FLASH DETECTION
FIBRE LOOPING AND GENERAL
MOUNTING DETAILS

DRAWING No **227350** SHEET 5 AMD 3 SIZE B1

C&P - DISTRIBUTION SUBSTATION