

1

2

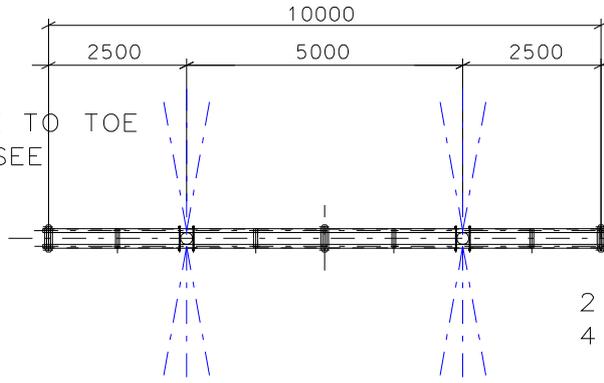
3

4

A

A

200 x 75 PFC CHANNELS TOE TO TOE FOR DETAILS SEE SHEET 2



120 kN CROSS ARM CAPACITY

SEE DETAIL 3 SHEET 2

2 SHIELD WIRE STAYS  
4 CROSS ARM STAYS SPLAYED

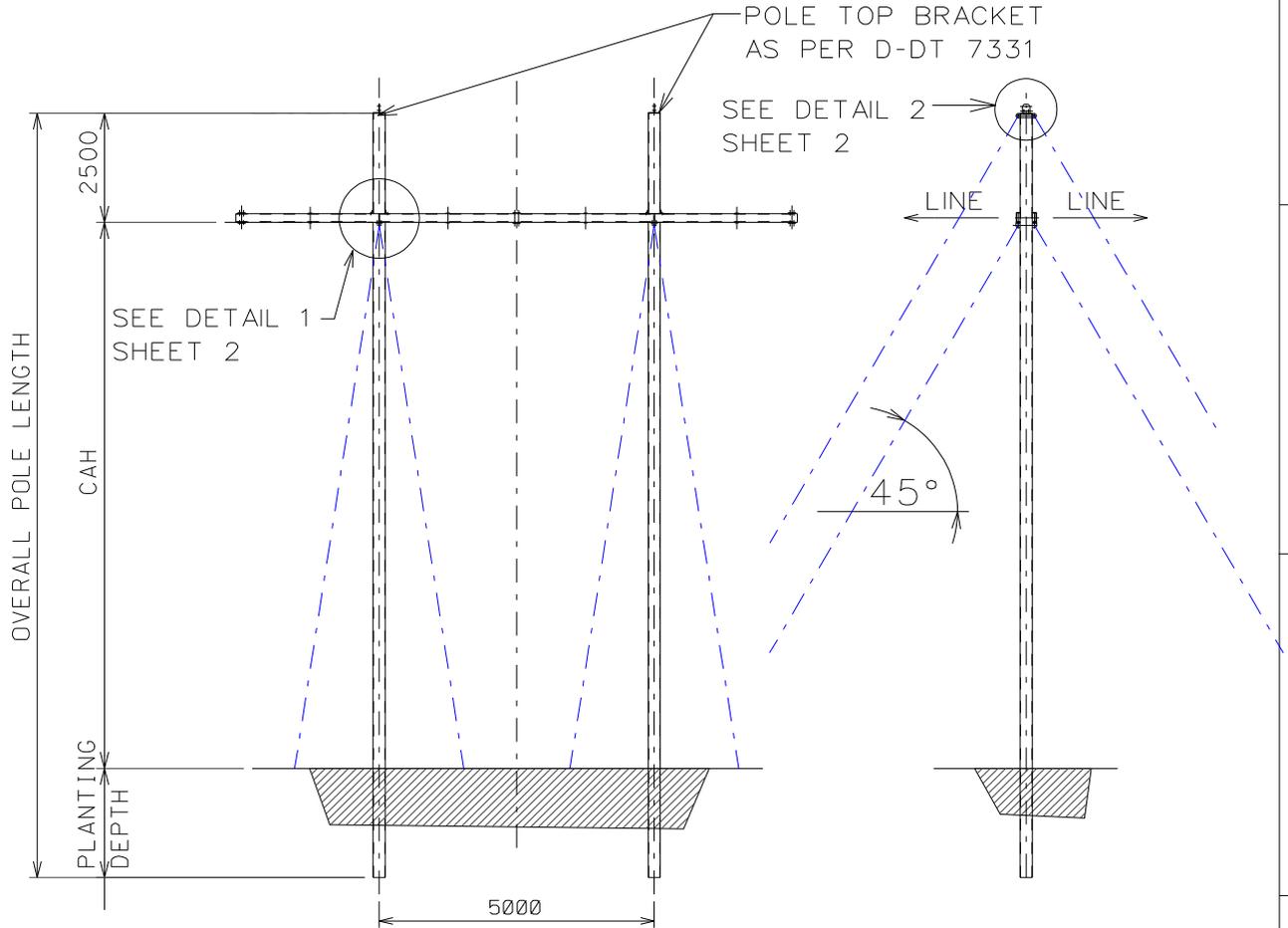
PLAN ON CROSS ARM

B

B

POLE TOP BRACKET AS PER D-DT 7331

SEE DETAIL 2 SHEET 2



SEE DETAIL 1 SHEET 2

LINE LINE

45°

C

C

D

D

DETAILS OF IN LINE STRAIN STRUCTURE

E

E

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DISTRIBUTION TECHNOLOGY  
SUB-TRANSMISSION LINES

AUTH: A BEKKER

DATE: SEPT 2004

CHKD: RAB

DATE: SEPT 2004

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DATE: SEPT 2004

132kV H-POLE STRUCTURES - 10m XARM

IN LINE STRAIN STRUCTURE 70-120kN RANGE

D-DT 7812

SET	SHEET	REVISION
3	1	1

F

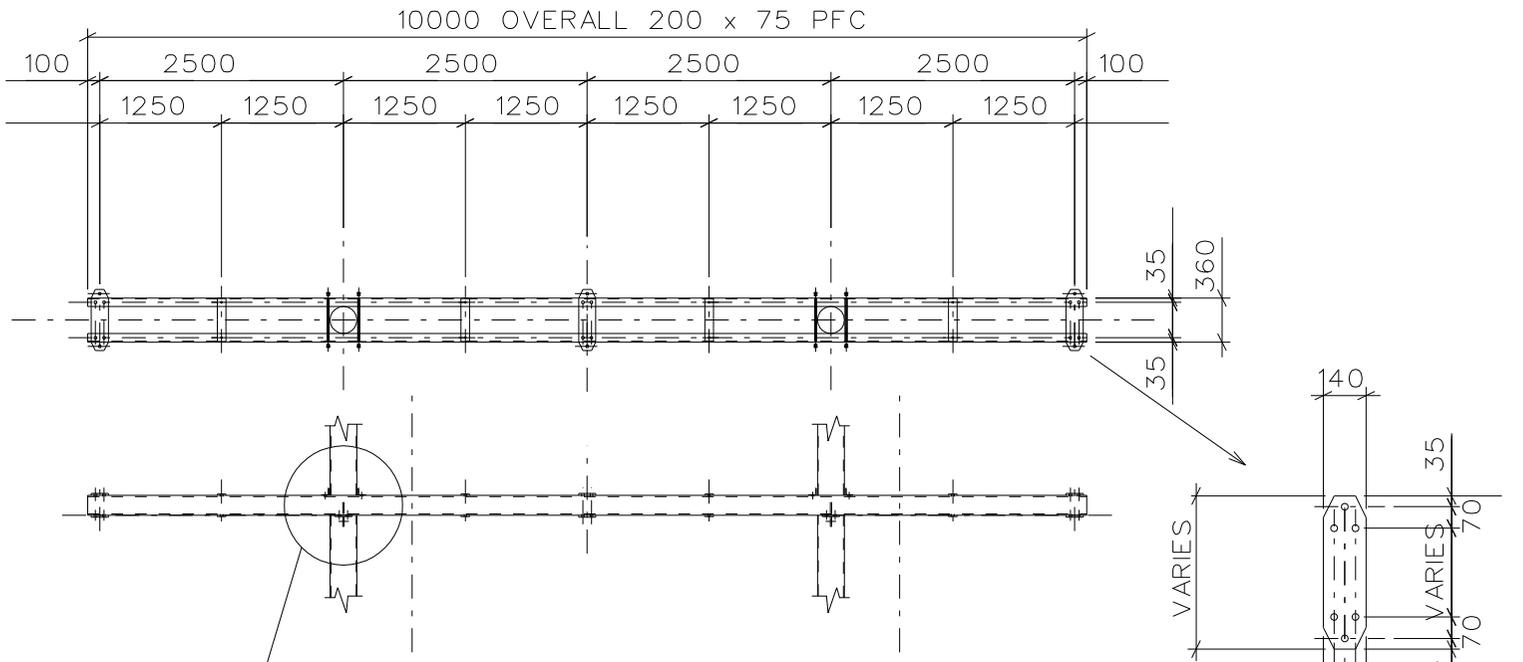
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1

2

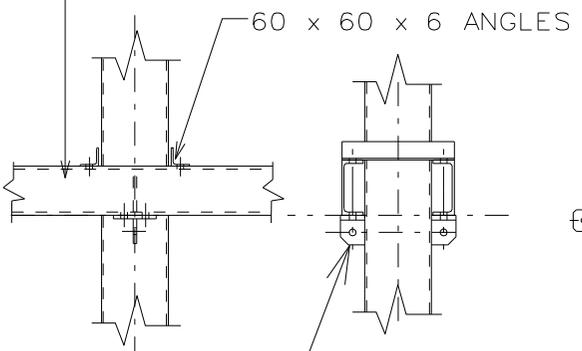
3

4 A4L

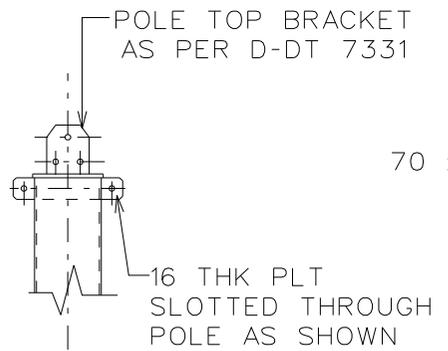


DETAILS OF CROSS ARM

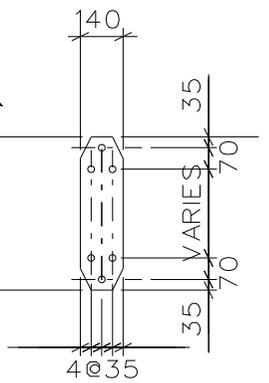
200 x 75 PFC  
WITH 8THK  
STIFFS



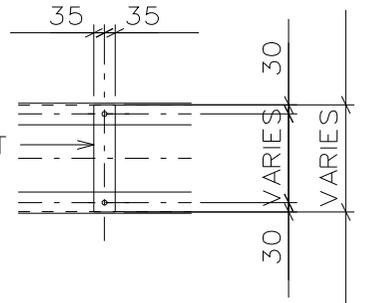
DETAIL 1



DETAIL 2



DETAIL 3



DETAIL OF TIE PLATES

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DISTRIBUTION TECHNOLOGY  
SUB-TRANSMISSION LINES

132KV H-POLE STRUCTURES - 10m XARM

IN LINE STRAN STRUCTURE 70-120KN RANGE

AUTH:	A BEKKER
DATE:	SEPT 2004
CHKD:	RAB
DATE:	SEPT 2004
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DATE:	SEPT 2004

SET	3	SHEET	2	REVISION	1
D-DT 7812					

DESIGN CRITERIA:

ALL STEEL GRADE 300W  
 ALL BOLTS GRADE 8.8 BOLTS  
 POLES AND CROSS ARMS TO BE SUPPLIED WITH FIXING BOLTS

POLES USED FOR H-POLE	OVERALL HEIGHT	PLANTING DEPTH	CROSS ARM ATT HEIGHT AGL	SHIELD WIRE ATT HEIGHT AGL	CONDUCTOR ATT HEIGHT AGL
219 x 4,5 THK CHS	15.1	2.0	10.6	13.1	10.6
219 x 4,5 THK CHS	16.1	2.0	11.6	14.1	11.6
219 x 4,5 THK CHS	17.1	2.0	12.6	15.1	12.6
219 x 6,0 THK CHS	18.2	2.0	13.7	16.2	13.7
219 x 6,0 THK CHS	19.2	2.0	14.7	17.2	14.7
324 x 4,5 THK CHS	20.1	2.0	15.6	18.1	15.6

70 - 120kN UTS CONDUCTORS

POLES USED FOR H-POLE	WIND SPAN	WEIGHT SPAN	ELECTRICAL SPAN
15.1	350	455	460
16.1	350	455	460
17.1	350	455	460
18.2	350	455	460
19.2	350	455	460
20.1	350	455	460

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DATE: SEPT 2004		3		3		1	