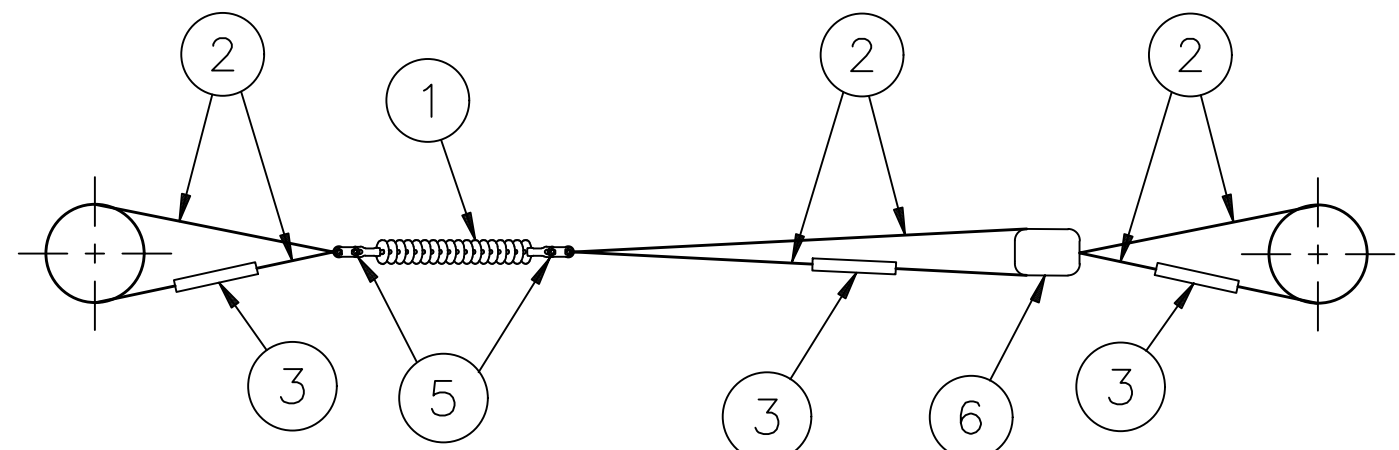


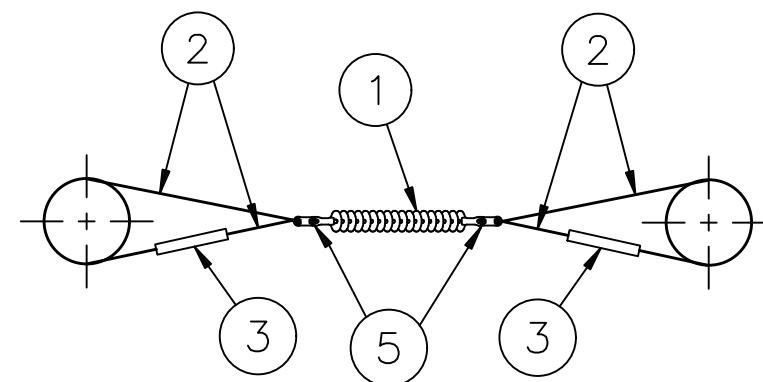
AMENDMENTS		
A	ORIGINAL ISSUE	
J.R No.		
G	DR'N	C.R.T
	CH'D	C.R.T
	DATE	11.2.97
	JOB No	950156
MPDO	CHB	
ITEM 2 NOT REQ'D ADDED TO NOTE 6.		
H	DR'N	C.R.T
	CH'D	D.J.Z
	DATE	07.8.97
	JOB No	970059
MPDO	CHB	
STAY LOOP REDRAWN		
J	DR'N	S.W
	CH'D	F.M./KO
	DATE	24.5.04
	JOB No	WTE4009
DSM	GST/KO	
STOCKCODE FOR ITEM 2 REPLACED. NOTES CHANGED ITEM 6 ADDED.		
K	DR'N	J.B
	CH'D	D.M.
	DATE	14/01/14
	JOB No	No
MPS	J.P.	
NOW APPLIES TO BOTH WOOD AND CONCRETE POLES.		
L	DR'N	TV
	CH'D	MA/MB
	DATE	12/01/26
	JOB No	
A.E.M.	S.P.	
STOCK CODES UPDATED.		

- NOTES
1. MAXIMUM WORKING LOADS HAVE BEEN DETERMINED FROM FAILING LOADS OF COMPONENTS OF ASSEMBLY.
WHERE PROPOSED LOADING EXCEEDS STAY POLE STRENGTH, USE ASSISTING GROUND STAY & LOADING AS PER DRG 048343.
 2. STAY INSULATOR NORMALLY FITTED 2m TO 4m FROM POLE BEING STAYED.
 3. RAKE NOT TO EXCEED 2 DEGREES.
E.G. HALF POLE HEAD DIAMETER FOR 8m STAY POLE, OR ONE AND ONE HALF POLE HEAD DIAMETER FOR 20m TRANSMISSION POLE.
 4. WHEN STAY WIRE PASSES THROUGH OR WITHIN 600mm OF 11/22 kV MAINS, THE CONSTRUCTION IS TO BE FLAT CONSTRUCTION, MOUNTED ON MINIMUM 2700mm LONG CROSSARM.
 5. WHEN STAY WIRE PASSES THROUGH LV MAINS, ONE 2800mm LONG LV SPREADER ROD IS TO BE INSTALLED BETWEEN LV MAINS AND STAY WIRE. IN ADDITION, THE LV MAINS ARE TO BE MOUNTED ON MINIMUM 2700mm LONG CROSSARMS ON THIS AND ADJACENT POLES.
 6. WHEN STAY WIRE PASSES THROUGH OR WITHIN 600mm OF LV OR 11/22kV MAINS, GY4 INSULATOR IS TO BE INSTALLED BELOW THESE MAINS. GY4 INSULATOR MAY OTHERWISE BE OMITTED.
 7. STAY SHOULD BE INSTALLED BETWEEN TOP AND MIDDLE PHASES UNLESS CLEARANCES OR LOADINGS DICTATE OTHERWISE.

ITEM	PART	PART	DESCRIPTION	QTY	REMARK
1	1000008277	079985	INSULATOR,STRAIN,STAY,138KV,POLY FACE,W/	1	
2	1000008253		WIRE,GUY,12MM(D),7x7 STEEL GALV	A/R	
3	1000008079		SPLICE,COND,7/4MM COND,STL,GALV,BLK CLR	2	
4	1000000112	240601	SCREW,COACH,M16x100MM,HEX HD,GALV	2	ON CONCRETE POLES USE POLE STEP
5	1000007774	015319	LINK,DBL PLATE,W/ 75MM(W)HL,SET	2	
IF LV OR 11/22 kV IS PRESENT					
3	1000008079		SPLICE,COND,7/4MM COND,STL,GALV,BLK CLR	1	
6	1000000413		INSULATOR,STRAIN,GUY,PORCELAIN,GREY,G4	1	



STAY WITH GY4 INSULATOR



STAY WITHOUT GY4 INSULATOR

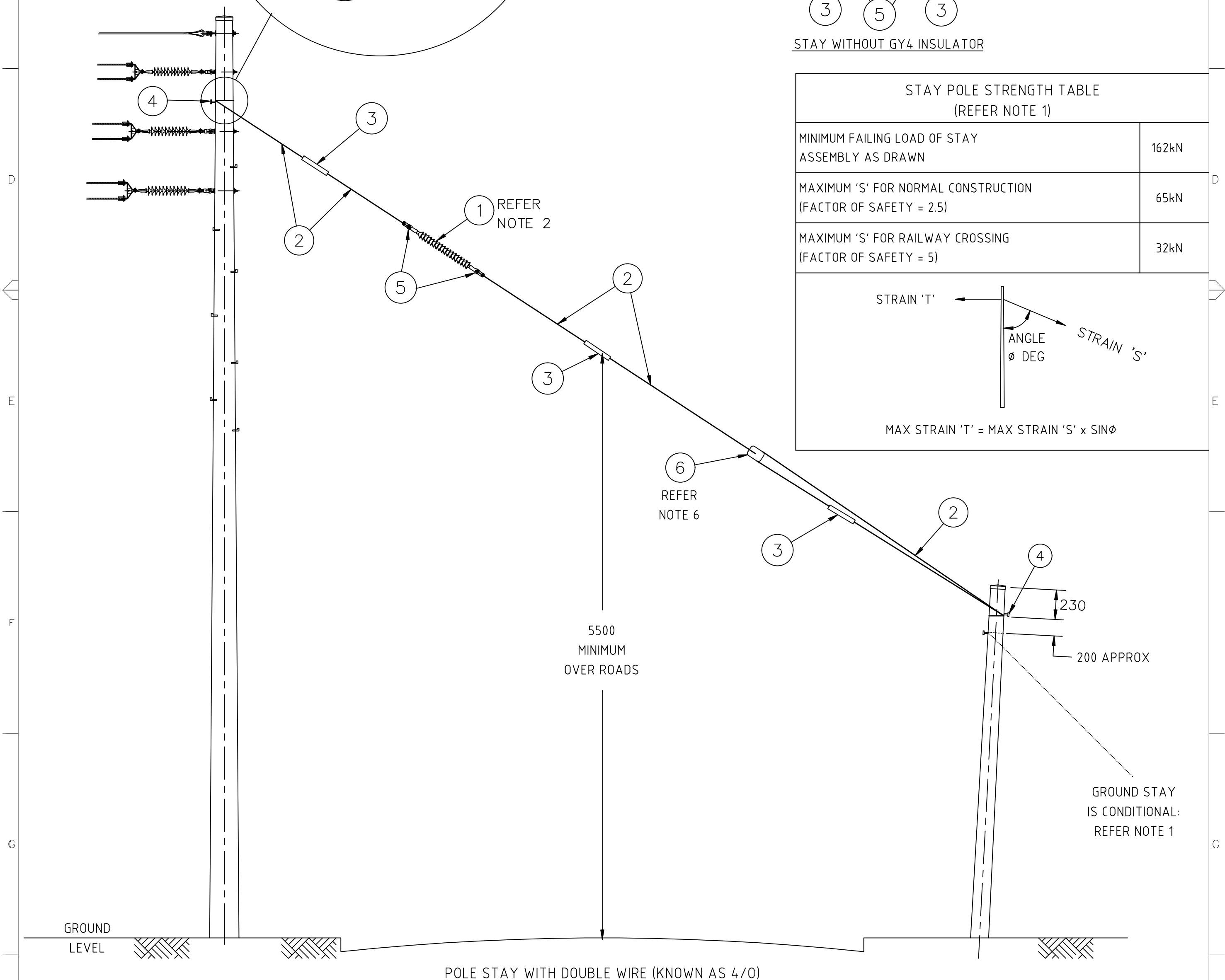
STAY POLE STRENGTH TABLE (REFER NOTE 1)	
MINIMUM FAILING LOAD OF STAY ASSEMBLY AS DRAWN	162kN
MAXIMUM 'S' FOR NORMAL CONSTRUCTION (FACTOR OF SAFETY = 2.5)	65kN
MAXIMUM 'S' FOR RAILWAY CROSSING (FACTOR OF SAFETY = 5)	32kN

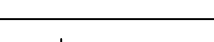
STRAIN 'T'

ANGLE Ø DEG

STRAIN 'S'

$$\text{MAX STRAIN 'T'} = \text{MAX STRAIN 'S'} \times \sin \phi$$



		© This drawing and the copyright therein is the property of Endeavour Energy and may not be copied, reproduced, distributed, loaned or used without the written consent of Endeavour Energy.				Endeavour Energy						
		ORIGINAL SCALE		APPROVED C. BROWN				DO NOT SCALE DIMENSIONS IN MILLIMETRES		REFERENCE DRAWINGS AUTHORISED W. ISLEY		
DRAWN	C.R.T			OVERHEAD CONSTRUCTION POLE STAY ASSEMBLY FOR 33kV TO 132kV MAINS						MGR NETWORK MAINS ASSETS		17.10.96
DATE	26.7.96									A2P	048342	L
CH'D	C.R.T											