

1

AMENDMENTS

A

ORIGINAL ISSUE

Job No.

WTE14/06

DESIGN

N/A

DR'N

TV

CH'D

MA/MB

DATE

13.11.25

A.E.M.

S.P.

STOCK CODES

UPDATED

2

NOTES:

3

1. POLE STEPS ARE REQUIRED TO BE INSTALLED FROM 8.3m ABOVE GROUND LEVEL. WHERE NORMAL VEHICLE ACCESS IS NOT AVAILABLE (OFF ROAD) POLE STEPS WILL BE REQUIRED FROM 6m ABOVE GROUND LEVEL. ALL CONCRETE AND STEEL POLES SHOULD HAVE FERRULES FROM 6m REGARDLESS.

2. VISIBLE LOCATION 240mm<sup>2</sup> INSULATED EARTH ABOVE INSULATED COVER.

3. FIT POLE INSULATING COVER (ITEM8) OVER CABLE GUARD & FIX WITH STAINLESS STEEL STRAP. IF REQUIRED IN EARTHING REPORT.

4. CHECK CABLE SCREEN EARTHING REQUIREMENT.

5. IF AREA SURROUNDING POLE IS EXCAVATED FOR INSTALLATION OF CABLE:  
-POLE MAY REQUIRE TEMPORARY SUPPORT/STABILISATION  
-BACKFILL TO BE COMPACTED

4

ITEM

PART

DRG No.

DESCRIPTION

QTY

1

-

240257

POLE PRESTRESSED CONCRETE

1

2

1000007527

052796

XARM,METAL,3000x152x152MM,6.3MM(T)

1

3

1000000468

054790

BRACE,XARM,ANG,TYPE 3H,GALV,2 X M18

2

4

1000006360

077154

BRACKET,MTG,66/132KV SURGE ARRESTER

3

5

1000006361

343005

BRACKET,MTG,66/132KV SEALING END

3

6

1000006147

370399

STEP,POLE,HEX,M16x180MM(L),50MM(T),+NUTS

A/R

7

1000006090

259304

PROTECTOR,CABLE,COVER,LONG TPR,3300x1228

1

8

1000006220

380808

PROTECTOR,CABLE,COVER,720MM(W),460MM(D)

4

9

1000005436

CLAMP,CABLE,UNIV,50-200MM(D) CABLE

3

10

SEE TABLE 1

-

SEALING END 10XSIL ESS

3

11

-

-

INSULATOR (PART ITEM 10)

12

12

ALR001

398038

INSULATOR LONG ROD ASSEMBLY

3

13

1000005436

-

CLAMP,CABLE,UNIV,50-200MM(D) CABLE

30

14

1000005412

-

ARRESTER,SURGE DIVERTER,6KV,10KA,100KVA

3

15

-

-

SCREEN WIRES

NA

16

1000005777

-

TERMINAL,LUG,4 HOLE,14MM STUD,CU,40MM OD

3

17

SEE TABLE

399844

LUG COMPRESSION TYPE HL

3

18

-

REFER PROJECT

OPGW ASSEMBLY (NOMINAL SHOWN)

1

19a

AEC-A

051125

EARTH CONNECTION AEC-A

3

19b

AEC-B

051125

EARTH CONNECTION AEC-B

1

19c

AEC-C

051125

EARTH CONNECTION AEC-C

8

19e

AEC-E

051125

EARTH CONNECTION AEC-E

1

20

1000007437

-

STRAPPING,BAND-IT,19MM(W),30M(L),SSTEEL

1

21

1000000126

-

BOLT,M12x25MM,SS304,AS 1111,W/ SS316

30

22a

ACP001

240600

M20 BOLT ASSEMBLY FOR STEEL WORK

4

22b

ACP002

240600

M20 BOLT ASSEMBLY FOR STEEL WORK

4

23a

ACP005

240600

M20 EYEBOLT ASSEMBLY FOR POLE

1

23b

ACP006

240600

M20 EYEBOLT ASSEMBLY FOR CROSSARM

2

24

ACP007

240600

M20 BOLT ASSEMBLY FOR CROSSARM

1

25a

ACP009

240600

M16 BOLT ASSEMBLY FOR CROSSARM BRACE

2

25b

ACP010

240600

M16 BOLT ASSEMBLY FOR CROSSARM BRACE

1

26

1000000129

-

BOLT,M12x65MM,SS304,AS 1111,W/ SS316

12

27

1000000128

-

BOLT,M12x50MM,SS304,AS 1111,W/ SS316

12

28

1000000056

-

BOLT,M16x50MM,HEX HD,GALV,+NUT

12

29

1000006427

-

SCREW,M16x35MM,HEX HD,PKG/25

12

5

ITEM

PART

DRG No.

DESCRIPTION

QTY

1

-

240257

POLE PRESTRESSED CONCRETE

1

2

1000007527

052796

XARM,METAL,3000x152x152MM,6.3MM(T)

1

3

1000000468

054790

BRACE,XARM,ANG,TYPE 3H,GALV,2 X M18

2

4

1000006360

077154

BRACKET,MTG,66/132KV SURGE ARRESTER

3

5

1000006361

343005

BRACKET,MTG,66/132KV SEALING END

3

6

1000006147

370399

STEP,POLE,HEX,M16x180MM(L),50MM(T),+NUTS

A/R

7

1000006090

259304

PROTECTOR,CABLE,COVER,LONG TPR,3300x1228

1

8

1000006220

380808

PROTECTOR,CABLE,COVER,720MM(W),460MM(D)

4

9

1000005436

CLAMP,CABLE,UNIV,50-200MM(D) CABLE

3

10

SEE TABLE 1

-

SEALING END 10XSIL ESS

3

11

-

-

INSULATOR (PART ITEM 10)

12

12

ALR001

398038

INSULATOR LONG ROD ASSEMBLY

3

13

1000005436

-

CLAMP,CABLE,UNIV,50-200MM(D) CABLE

30

14

1000005412

-

ARRESTER,SURGE DIVERTER,6KV,10KA,100KVA

3

15

-

-

SCREEN WIRES

NA

16

1000005777

-

TERMINAL,LUG,4 HOLE,14MM STUD,CU,40MM OD

3

17

SEE TABLE

399844

LUG COMPRESSION TYPE HL

3

18

-

REFER PROJECT

OPGW ASSEMBLY (NOMINAL SHOWN)

1

19a

AEC-A

051125

EARTH CONNECTION AEC-A

3

19b

AEC-B

051125

EARTH CONNECTION AEC-B

1

19c

AEC-C

051125

EARTH CONNECTION AEC-C

8

19e

AEC-E

051125

EARTH CONNECTION AEC-E

1

20

1000007437

-

STRAPPING,BAND-IT,19MM(W),30M(L),SSTEEL

1

21

1000000126

-

BOLT,M12x25MM,SS304,AS 1111,W/ SS316

30

22a

ACP001

240600

M20 BOLT ASSEMBLY FOR STEEL WORK

4

22b

ACP002

240600

M20 BOLT ASSEMBLY FOR STEEL WORK

4

23a

ACP005

240600

M20 EYEBOLT ASSEMBLY FOR POLE

1

23b

ACP006

240600

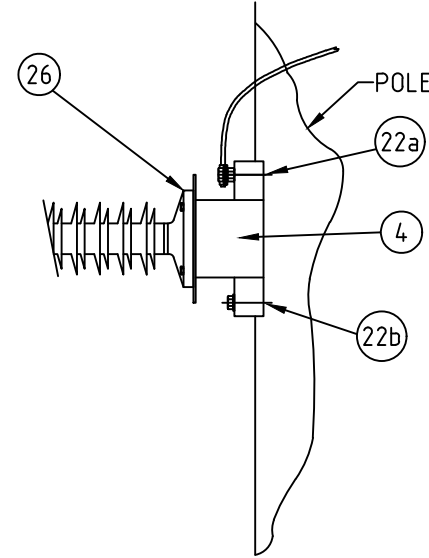
M20 EYEBOLT ASSEMBLY FOR CROSSARM

<

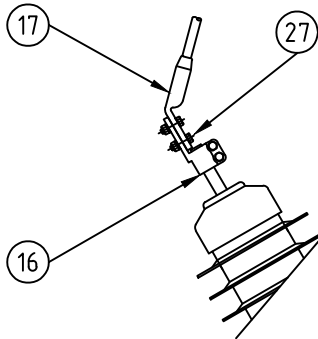
| ITEM | PART        | DRG No.       | DESCRIPTION                              | QTY |
|------|-------------|---------------|------------------------------------------|-----|
| 1    | -           | 240257        | POLE PRESTRESSED CONCRETE                | 1   |
| 2    | 1000007527  | 052796        | XARM,METAL,3000x152x152MM,6.3MM(T)       | 1   |
| 3    | 1000000468  | 054790        | BRACE,XARM,ANG,TYPE 3H,GALV,2 X M18      | 2   |
| 4    | 10000006360 | 077154        | BRACKET,MTG,66/132KV SURGE ARRESTER      | 3   |
| 5    | 1000006361  | 343005        | BRACKET,MTG,66/132KV SEALING END         | 3   |
| 6    | 1000006147  | 370399        | STEP,POLE,HEX,M16x180MM(L),50MM(T),+NUTS | A/R |
| 7    | 1000006090  | 259304        | PROTECTOR,CABLE,COVER,LONG TPR,3300x1228 | 1   |
| 8    | 1000006220  | 380808        | PROTECTOR,CABLE,COVER,720MM(W),460MM(D)  | 4   |
| 9    | 1000005436  | -             | CLAMP,CABLE,UNIV,50-200MM(D) CABLE       | 3   |
| 10   | SEE TABLE 1 | -             | SEALING END 10XSIL ESS                   | 3   |
| 11   | -           | -             | INSULATOR (PART ITEM 10)                 | 12  |
| 12   | ALR001      | 398038        | INSULATOR LONG ROD ASSEMBLY              | 3   |
| 13   | 1000005436  | -             | CLAMP,CABLE,UNIV,50-200MM(D) CABLE       | 30  |
| 14   | 1000005412  | -             | ARRESTER,SURGE DIVERter,6KV,10KA,100KVA  | 3   |
| 15   | -           | -             | SCREEN WIRES                             | NA  |
| 16   | 1000005777  | -             | TERMINAL,LUG,4 HOLE,14MM STUD,CU,40MM OD | 3   |
| 17   | SEE TABLE   | 399844        | LUG COMPRESSION TYPE HL                  | 3   |
| 18   | -           | REFER PROJECT | OPGW ASSEMBLY (NOMINAL SHOWN)            | 1   |
| 19a  | AEC-A       | 051125        | EARTH CONNECTION AEC-A                   | 3   |
| 19b  | AEC-B       | 051125        | EARTH CONNECTION AEC-B                   | 1   |
| 19c  | AEC-C       | 051125        | EARTH CONNECTION AEC-C                   | 8   |
| 19e  | AEC-E       | 051125        | EARTH CONNECTION AEC-E                   | 1   |
| 20   | 1000007437  | -             | STRAPPING,BAND-IT,19MM(W),30M(L),SSTEEL  | 1   |
| 21   | 1000000126  | -             | BOLT,M12x25MM,SS304,AS 1111,W/ SS316     | 30  |
| 22a  | ACP001      | 240600        | M20 BOLT ASSEMBLY FOR STEEL WORK         | 4   |
| 22b  | ACP002      | 240600        | M20 BOLT ASSEMBLY FOR STEEL WORK         | 4   |
| 23a  | ACP005      | 240600        | M20 EYEBOLT ASSEMBLY FOR POLE            | 1   |
| 23b  | ACP006      | 240600        | M20 EYEBOLT ASSEMBLY FOR CROSSARM        | 2   |
| 24   | ACP007      | 240600        | M20 BOLT ASSEMBLY FOR CROSSARM           | 1   |
| 25a  | ACP009      | 240600        | M16 BOLT ASSEMBLY FOR CROSSARM BRACE     | 2   |
| 25b  | ACP010      | 240600        | M16 BOLT ASSEMBLY FOR CROSSARM BRACE     | 1   |
| 26   | 1000000129  | -             | BOLT,M12x65MM,SS304,AS 1111,W/ SS316     | 12  |
| 27   | 1000000128  | -             | BOLT,M12x50MM,SS304,AS 1111,W/ SS316     | 12  |
| 28   | 1000000056  | -             | BOLT,M16x50MM,HEX HD,GALV,+NUT           | 12  |
| 29   | 1000006427  | -             | SCREW,M16x35MM,HEX HD,PKG/25             | 12  |

TABLE 1

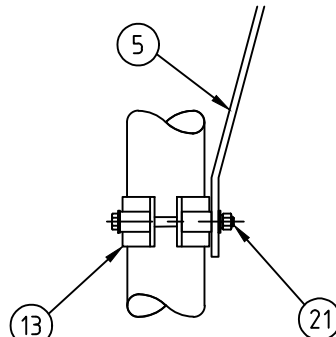
| CABLE                    | STOCK NUMBER |
|--------------------------|--------------|
| 630mm 132kV SEALING END  | 1000006307   |
| 800mm 132kV SEALING END  | 1000006308   |
| 1200mm 132kV SEALING END | 1000006309   |



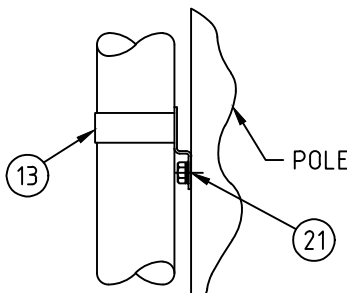
DETAIL A  
SCALE 1:20



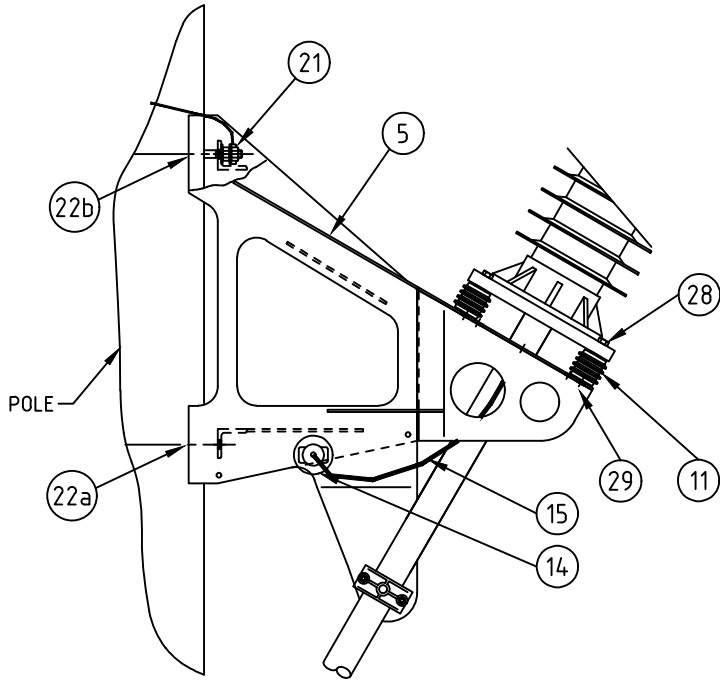
DETAIL B  
SCALE 1:20



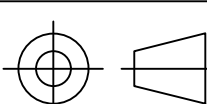
DETAIL D  
SCALE 1:10



DETAIL E  
SCALE 1:10



DETAIL C  
SCALE 1:20

|                                                                                                             |           |                                                                                                               |  |                                                                               |  |                       |        |          |  |
|-------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|--|-----------------------|--------|----------|--|
|                          |           |  <b>Endeavour Energy</b> |  |                                                                               |  |                       |        |          |  |
|  ORIGINAL SCALE AS SHOWN |           | APPROVED<br>S.F.Williams                                                                                      |  | REFERENCE DRAWINGS                                                            |  |                       |        |          |  |
|                                                                                                             |           |                                                                                                               |  | DO NOT SCALE<br>DIMENSIONS<br>IN MILLIMETRES                                  |  | AUTHORISED<br>D.Mate  |        |          |  |
| DRAWN                                                                                                       | KT        |                                                                                                               |  | OVERHEAD TRANSMISSION<br>132kV CONSTRUCTION No.80C<br>UG/OH DELTA TERMINATION |  | NETWORK MAINS MANAGER |        | 31.10.14 |  |
| DATE                                                                                                        | 02.06.14  |                                                                                                               |  |                                                                               |  | A2P                   | 397799 | Rev.     |  |
| CH'D                                                                                                        | J.B./R.L. |                                                                                                               |  |                                                                               |  |                       |        | B        |  |
|                                                                                                             |           |                                                                                                               |  | SHEET No 1 OF 1 SHEETS                                                        |  |                       |        |          |  |