



DISTRIBUTION CONSTRUCTION STANDARDS MANUAL

Part 7

Date Published: 18 March 2020

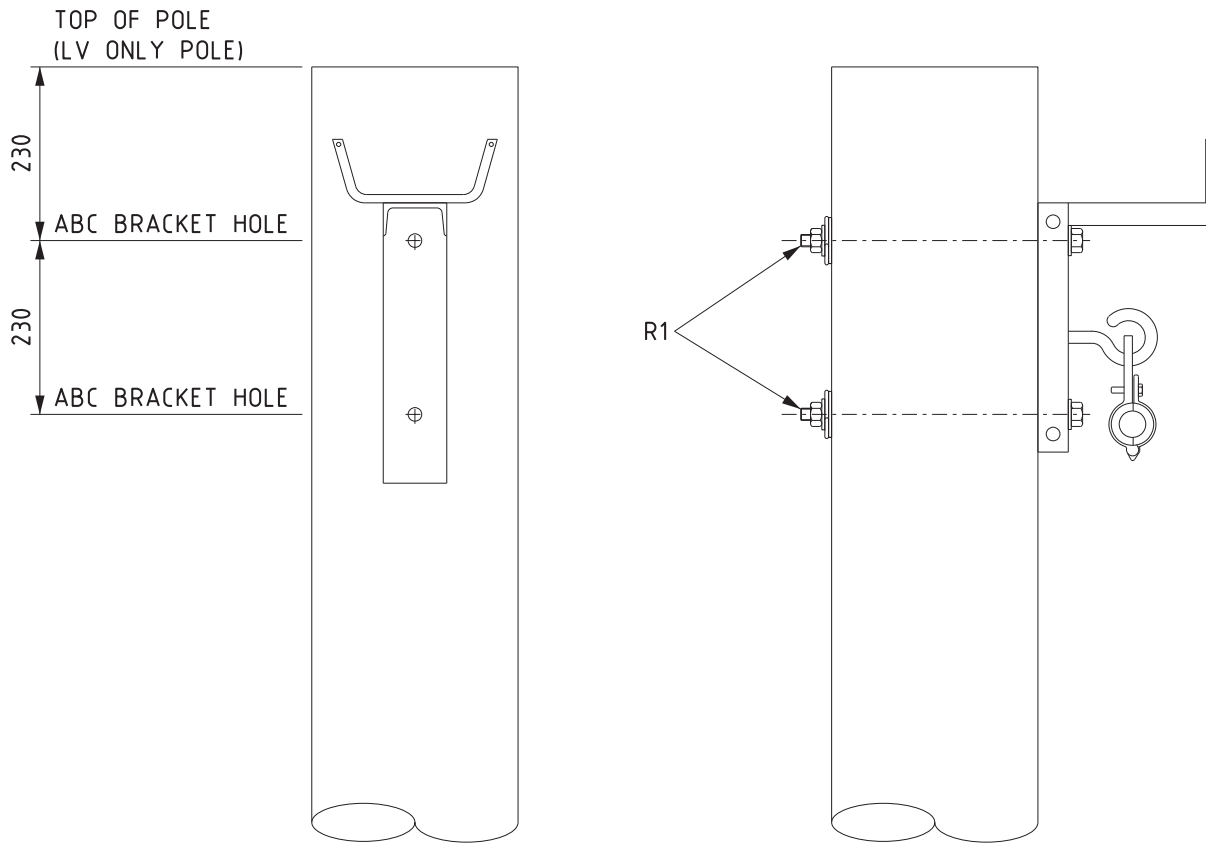
A - LV ABC

For application to
Horizon Power
Electricity Distribution Networks

Uncontrolled document when printed. Refer Online for latest version.

Part 7 – LV ABC – Drawing Register

Number	Description
A1	Intermediate Angle 0° - 10° Drilling Detail
A2	Angle 10° - 45° Drilling Detail
A3	Termination Pole ABC Details
A4	In-Line Strain with or without Fusing / Isolation
A5	Tee Off
A6	Tee Off LV Bare to LV ABC
A8	Circuit Breaker and Mounting Bracket
A9	Standard Fuse and Mounting Bracket



NOTE:

1. ALL HOLES 18 DIAMETER U.O.N.
2. FOR SPAN SPAN LENGTH LIMITATIONS AND STAY REQUIREMENTS REFER TO SPAN LIMIT GUIDELINE (HPC-2DC-07-0001-2017)



DISTRIBUTION CONSTRUCTION
STANDARDS

STRUCTURE

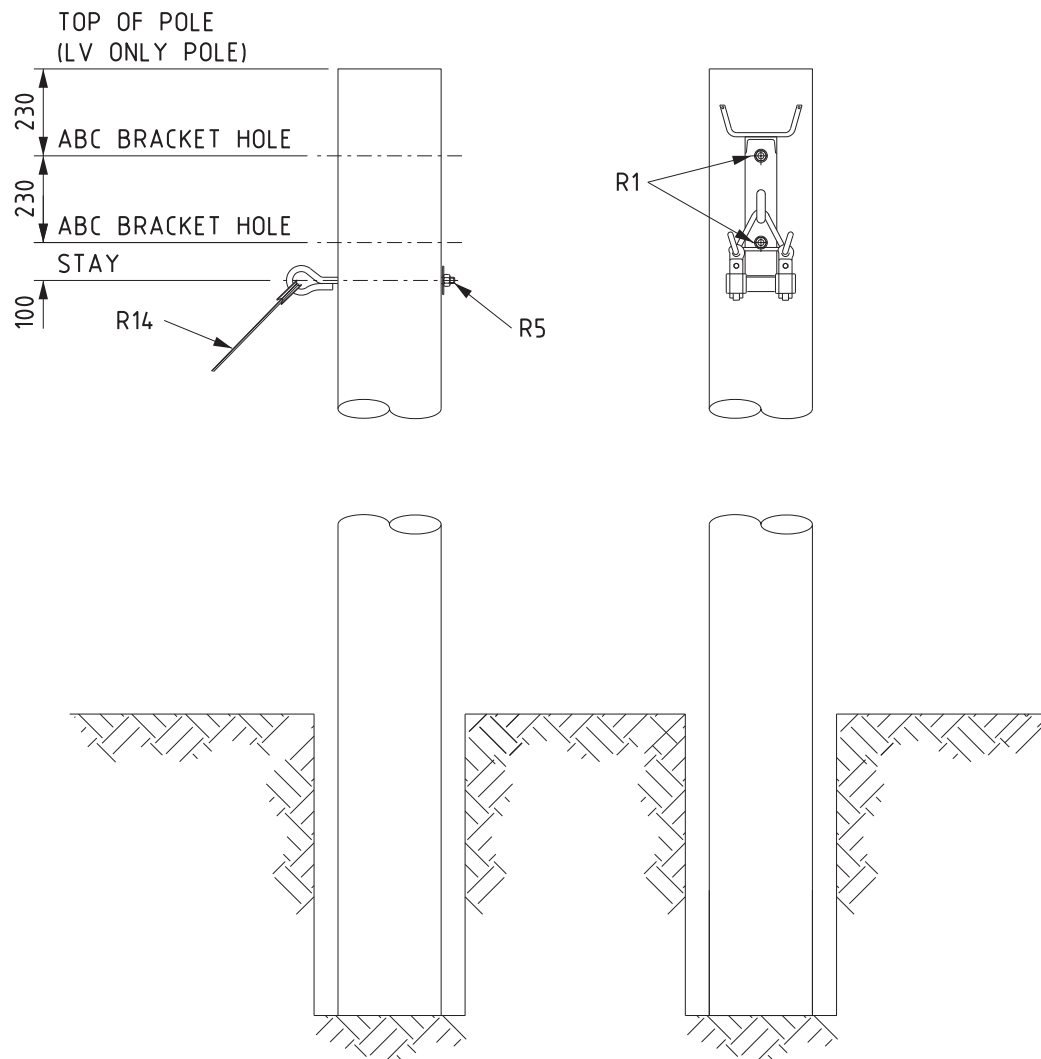
INTERMEDIATE ANGLE
0° - 10°
DRILLING DETAIL

REVISION
C

DATE
FEB19

DRAWING No.

A1



NOTE:

1. ALL HOLES 18 DIAMETER U.O.N.
2. STAYS MUST BE USED FOR TERMINATION, ANGLE AND TEE OFF STRUCTURES.
3. FOR SPAN LENGTH LIMITS AND STAY REQUIREMENTS REFER TO SPAN LIMIT GUIDELINE (HPC-2DC-07-0001-2017).
4. FOR ANGLES GREATER THAN 25° STRAIN ATTACHMENTS ARE PREFERRED.



DISTRIBUTION CONSTRUCTION
STANDARDS

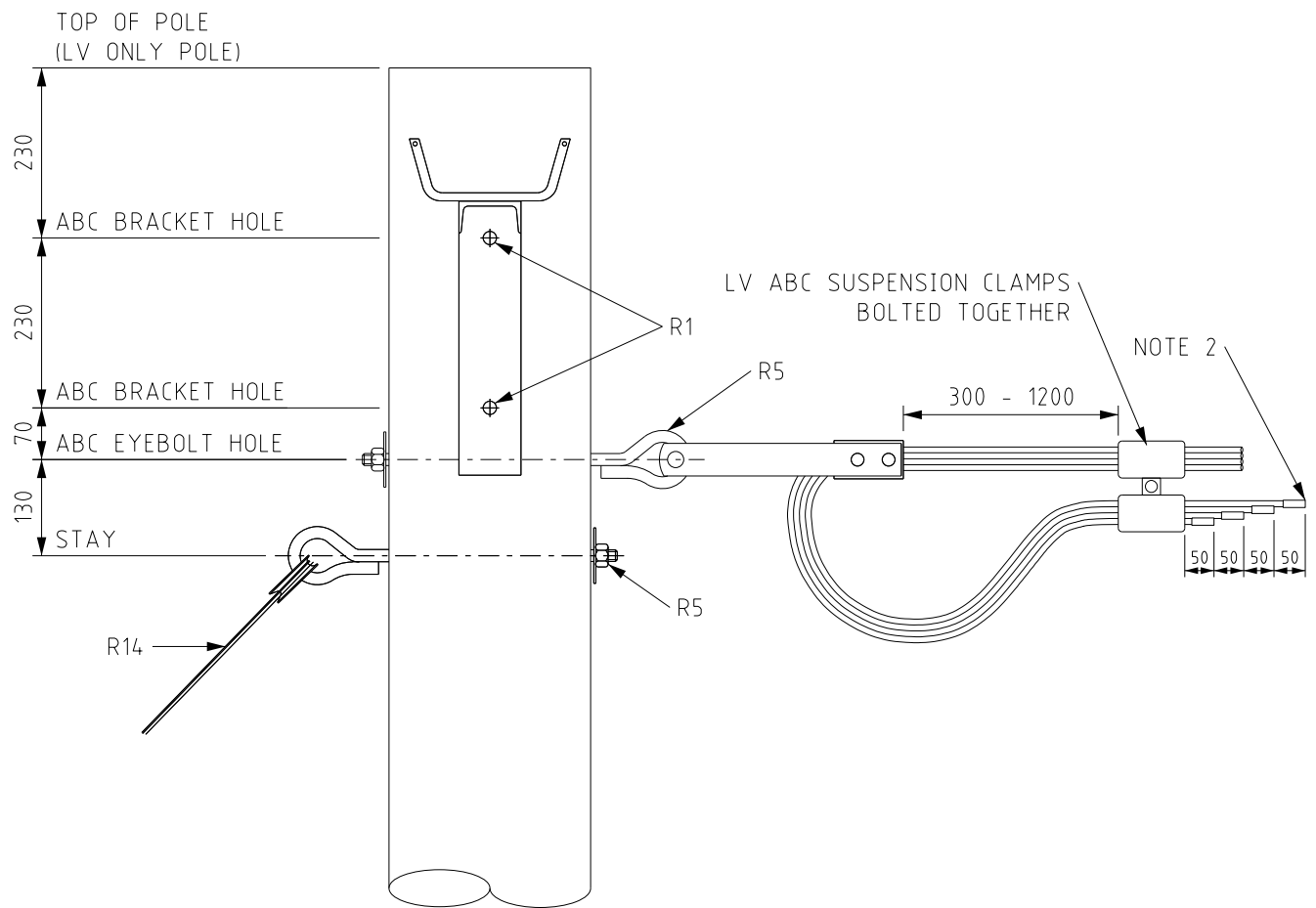
ANGLE 10° - 45°
DRILLING
DETAIL

REVISION
C

DATE
OCT.18

DRAWING No.

A2



NOTE:

1. ALL HOLES 18 DIAMETER U.O.N.
2. ABC TAILS TO BE CAPPED/SEALED.
3. FOR SPAN LIMITS AND STAY REQUIREMENTS REFER TO SPAN LIMIT GUIDELINES (HPC-2DC-07-0001-2017)



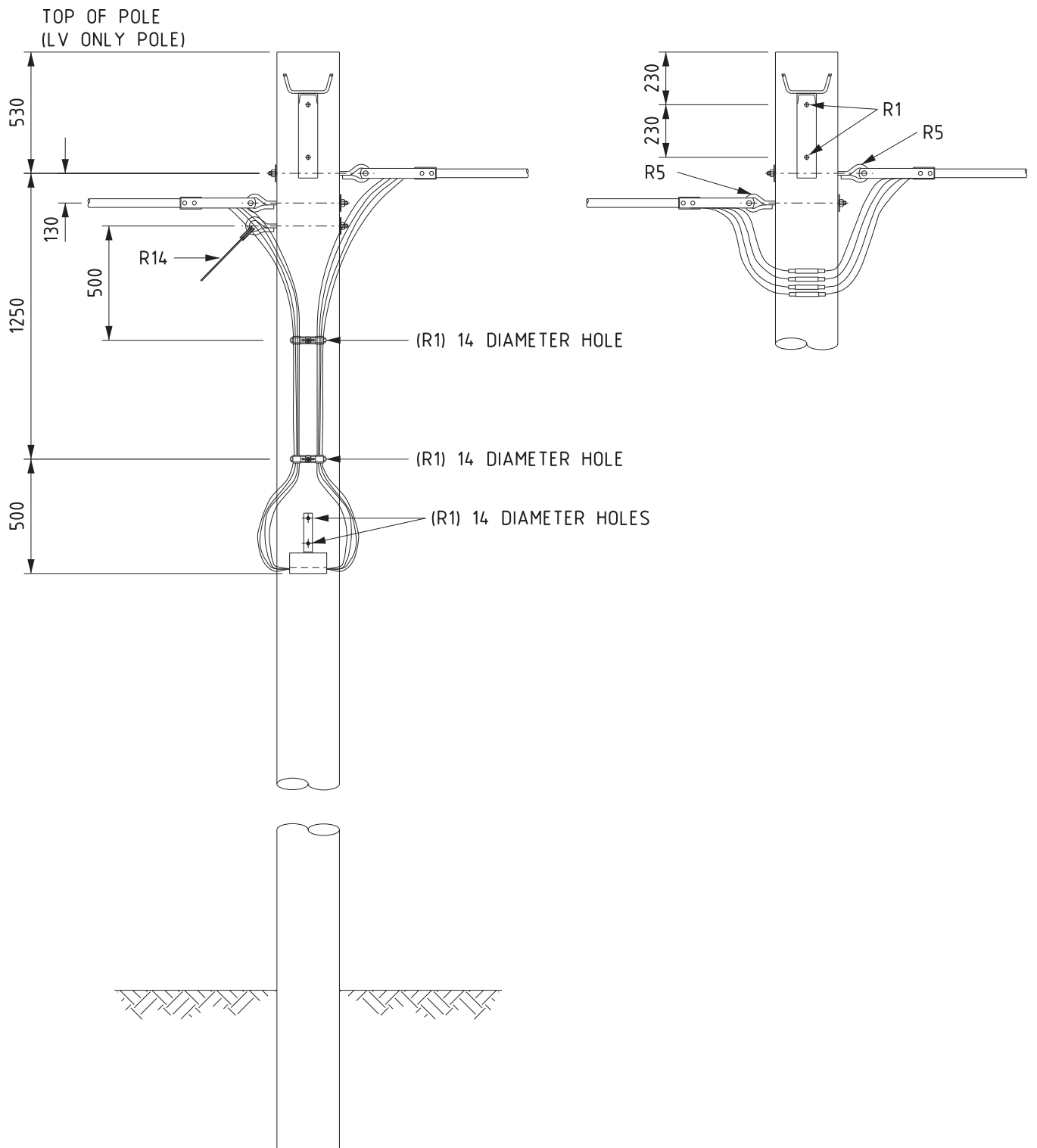
DISTRIBUTION CONSTRUCTION
STANDARDS

TERMINATION POLE
ABC DETAILS

REVISION D	DATE JAN 20
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DRAWING No.

A3



NOTE:

1. ALL HOLES 18 DIAMETER U.O.N.



DISTRIBUTION CONSTRUCTION
STANDARDS

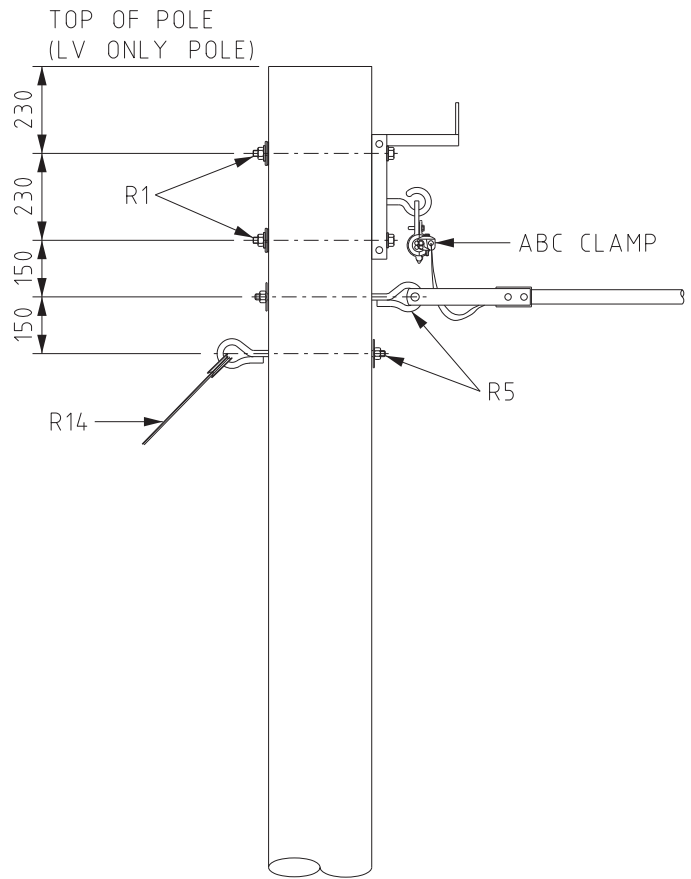
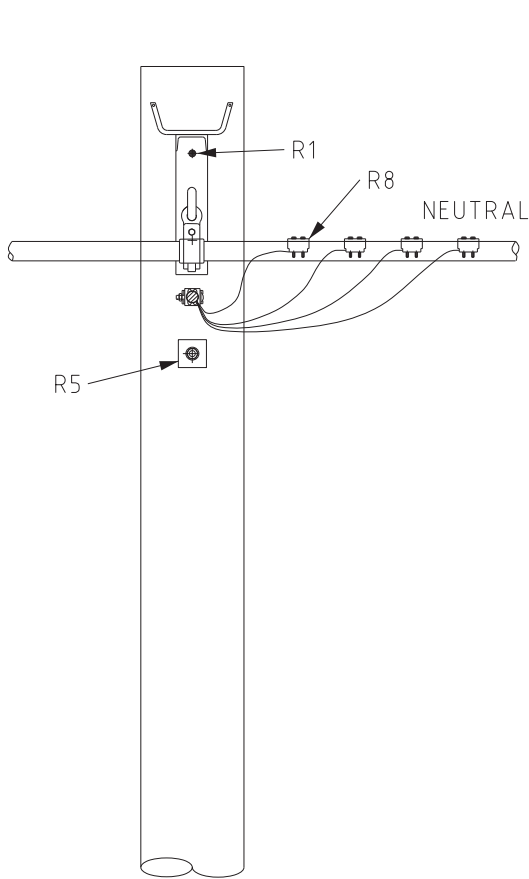
INLINE STRAIN WITH OR
WITHOUT FUSING / ISOLATION

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NOV.18

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A4



NOTE:

1. ALL HOLES 18 DIAMETER U.O.N.



DISTRIBUTION CONSTRUCTION
STANDARDS

STRUCTURE

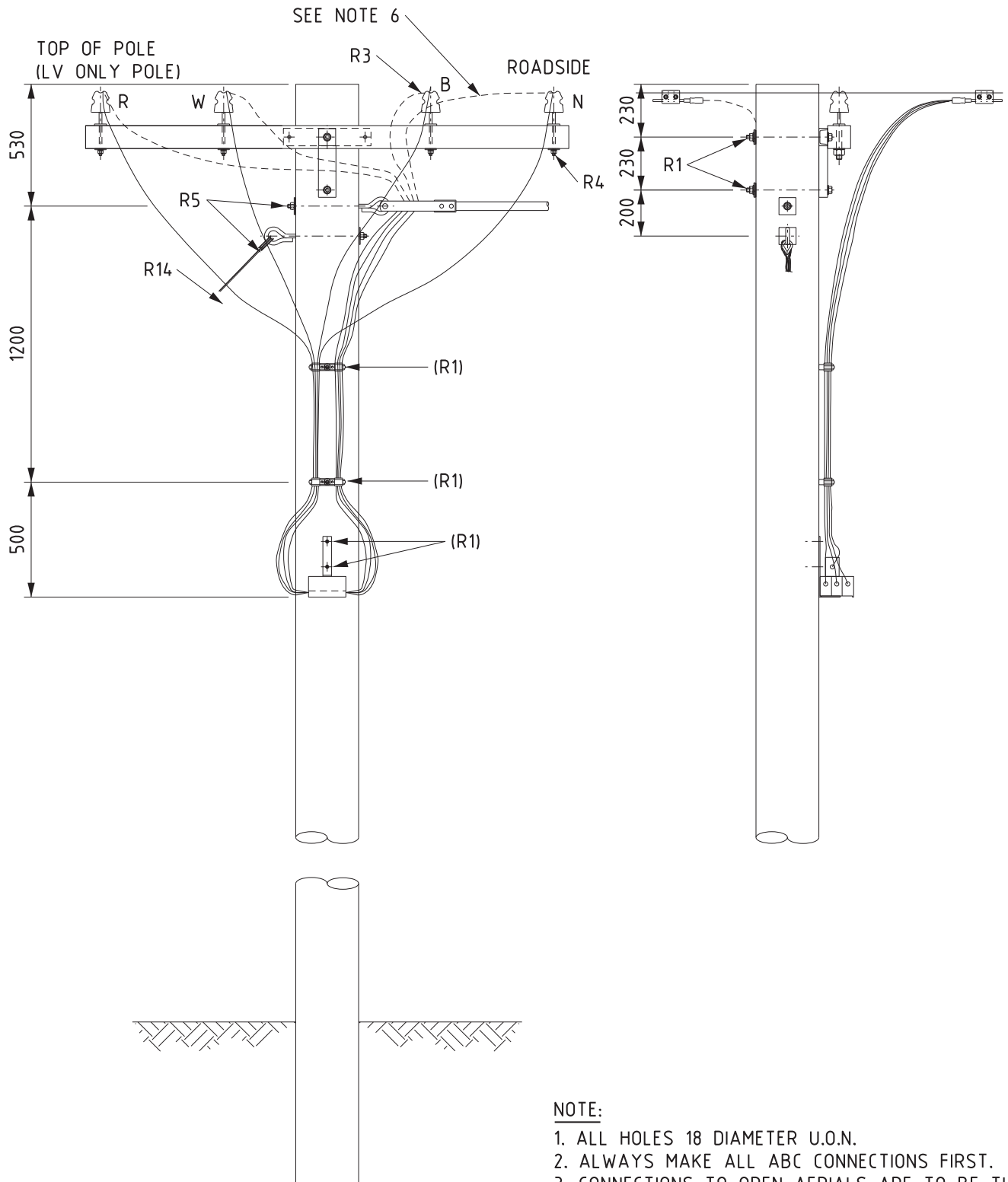
TEE OFF

REVISION
C

DATE
FEB19

DRAWING No.

A5



NOTE:

1. ALL HOLES 18 DIAMETER U.O.N.
2. ALWAYS MAKE ALL ABC CONNECTIONS FIRST.
3. CONNECTIONS TO OPEN AERIALS ARE TO BE THE LAST PROCEDURE CARRIED OUT.
4. PHASING OUT BETWEEN THE ABC CONDUCTORS AND THE OPEN AERIALS MUST BE CARRIED OUT BEFORE CONNECTION IS MADE.
5. SPLICE AND PG CLAMP ARE TO BE USED FOR ABC TO BARE AERIAL CONNECTION.
6. DASHED ABC CABLE SHOWS ALTERNATIVE CONNECTIONS FOR AN DIRECT TAP WITHOUT FUSES.



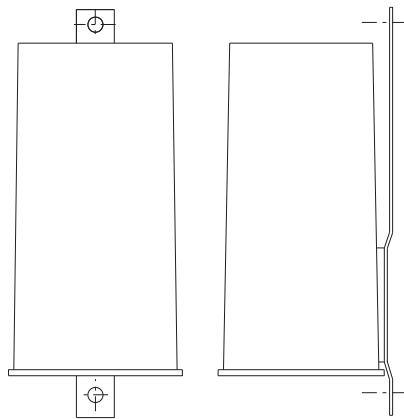
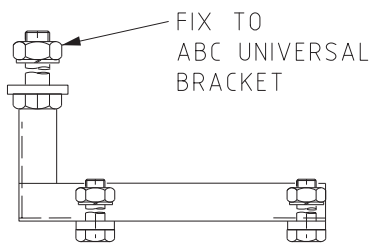
DISTRIBUTION CONSTRUCTION STANDARDS

TEE OFF LV BARE TO ABC

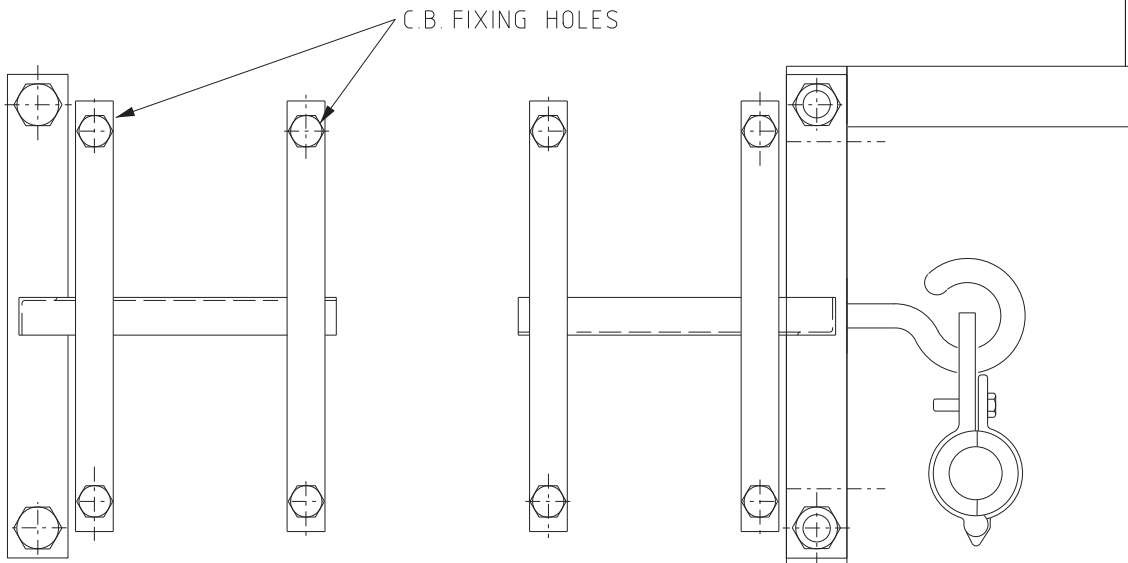
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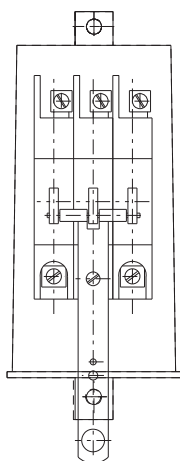
A6



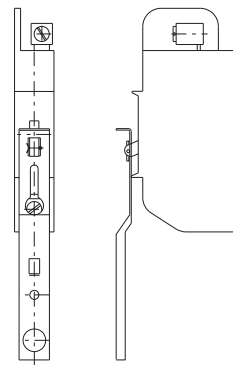
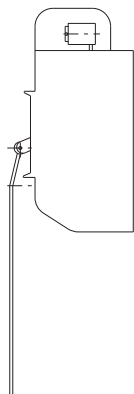
CIRCUIT BREAKER COVER



CIRCUIT BREAKER MOUNTING BRACKET



THREE PHASE CIRCUIT BREAKER



SINGLE PHASE CIRCUIT BREAKER

NOTE:

1. IN CYCLONIC AREAS FUSING IS REQUIRED TO CIRCUIT BREAKER, REFER A9



DISTRIBUTION CONSTRUCTION STANDARDS

STRUCTURE

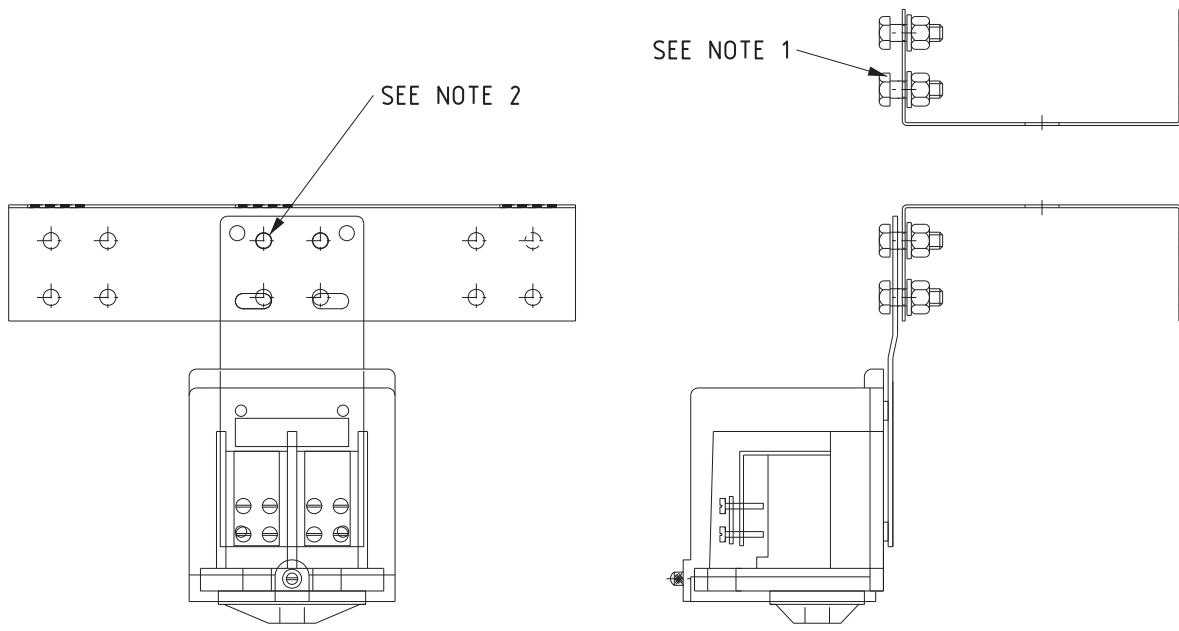
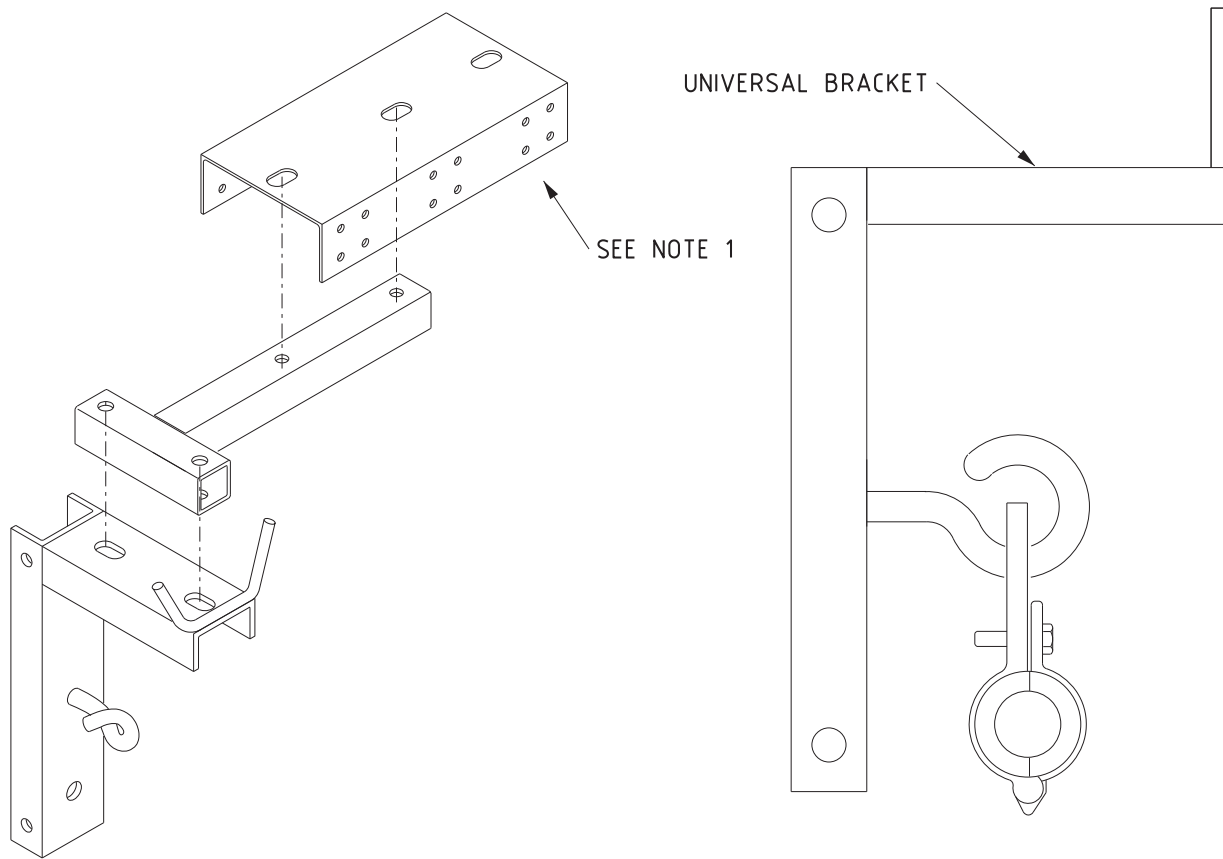
CIRCUIT BREAKER AND MOUNTING BRACKET

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A8



NOTE:
 1. MOUNTING PLATE CAN BE FITTED IN EITHER POSITION TO SUIT INSTALLATION.
 2. A MINIMUM OF 2 BOLTS FITTED DIAGONALLY MUST BE USED



DISTRIBUTION CONSTRUCTION STANDARDS

STANDARD FUSE AND MOUNTING BRACKET

REVISION	DATE
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DRAWING No.
A9