

Electricity Specification 400N1

Issue 9 December 2022

Notices and Nameplates, Associated Fixings and Marker Posts – Overhead Lines



Amendment Summary

ISSUE NO. DATE	DESCRIPTION
Issue 9	New Template applied
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1 Introduction

This Specification comprises general requirements for the Approval and testing of notices and nameplates, associated fixings and marker posts (overhead lines only) employed on the electricity distribution network owned by Electricity North West Limited (Electricity North West). For more detailed information about each of the notices and nameplates covered, refer to the definitive list of notices and nameplates and the associated drawings included in Appendix A of this Specification. Only the notices, nameplates and marker posts listed in Appendix A shall be used on the overhead line network, within the scope of this Specification.

2 Scope

This Specification covers all notices and nameplates, associated fixings and marker posts to be used on the overhead line network (both wood pole and steel tower). For associated installation steelwork, refer to ES400S11. Policy and Practice for the correct usage of notices and nameplates are detailed in CP420 Part 1, Chapter 09 (wood pole lines) and CP420 Part 2, Chapter 09 (steel tower lines). For other notices and nameplates used within Electricity North West (e.g. substation, operational, etc), refer to ES356.

3 Definitions

Approval	Sanction by the Electricity North West Circuits Policy Manager that specified criteria have been satisfied
Contract	The agreement between Electricity North West and the Contractor for the execution of the Works including therein all documents to which reference may properly be made in order to ascertain the rights and obligations of the parties under the said agreement.
Contractor	The person or person's firm or company, including personal representatives, successors and permitted assigns, who's Tender has been accepted by Electricity North West.
Specification	The Specifications and schedules (if any) agreed by the parties for the purpose of the Contract.
Sub-Contractor	Any person (other than the Contractor) named in the Contract for any part of the Works or any person to whom any part of the Contract has been sub-let with the consent in writing of the Electricity North West Circuits Policy Manager, and the legal representatives, successors and assigns of such person.
Supplier	Any person or person's firm or company who supplies goods to Electricity North West or to its Contractor.
Tender	An offer in writing to execute work or supply goods at a fixed price.
Tenderer	The person or person's firm or company, including personal representatives, successors and permitted assigns, invited by Electricity North West to submit a Tender.

4 General Requirements for Approvals and Testing

4.1 Product not to be Changed

No change in the product, packaging or labelling shall be made after Approval has been granted without prior notice to the Electricity North West Circuits Policy Manager, and receipt of a written agreement to the proposed change from the Electricity North West Circuits Policy Manager.

4.2 Electricity North West Technical Approval

The Tenderer shall submit, with this Tender, proposals for testing which will demonstrate, to the satisfaction of the Electricity North West Circuits Policy Manager, compliance with this Specification. Such tests shall be carried out without expense to Electricity North West.

Alternatively, technical reports and other data may be submitted that the Tenderer considers will demonstrate, to the satisfaction of the Electricity North West Circuits Policy Manager, compliance with this Specification. Acceptance of this evidence shall be at the discretion of the Electricity North West Circuits Policy Manager but will not be unreasonably withheld.

Approval shall be 'factory specific' and is not transferable to another factory without the written Approval of the Electricity North West Circuits Policy Manager.

The Supplier and product shall comply with all the relevant requirements of Electricity North West document CP311.

4.3 Quality Assurance

The Tenderer shall confirm whether or not Approval is held in accordance with a quality assurance scheme accredited under ISO 9000. If not, the Tenderer shall submit a statement of the quality assurance procedures employed to control the quality of the product, including the performance of Suppliers and Sub-Contractors.

The right is reserved for the repeat of such tests, from time to time, that the Electricity North West Circuits Policy Manager may deem to be reasonably necessary to demonstrate continued compliance with the Specification.

The Tenderer shall submit, with the Tender, a list of tests and inspections which are carried out on the product prior to despatch which shall demonstrate, to the satisfaction of the Electricity North West Circuits Policy Manager, fitness for installation and service.

The Tenderer shall provide free of charge to Electricity North West such samples as may, in the opinion of the Electricity North West Circuits Policy Manager, be reasonably required for inspection and/or retention as quality control samples. The Electricity North West Circuits Policy Manager will confirm the requirement for samples at the time of Tendering.

The right is reserved for inspections to be made of Tenderer's facilities, from time to time, as deemed reasonably necessary by the Electricity North West Circuits Policy Manager to ensure compliance with this Specification and any Contract of which it forms a part.

The Tenderer shall submit, with the Tender, such details of product packaging disposal, as will enable Electricity North West to comply with the requirements of BS EN ISO 14001 - Environmental Management Systems.

4.4 Formulation

The Tenderer shall submit, with the Tender, such details of the formulation and use of the product and associated substances as will enable Electricity North West to comply with the obligations of the Health and Safety at Work Act 1974 and the Control of Substances Hazardous to Health Regulations 2002, in the use, storage and disposal of the product. The Tenderer may stipulate, prior to submission of such information, that it is to remain confidential, and the Electricity North West Circuits Policy Manager will, if requested, confirm agreement to this prior to receipt of the information.

4.5 Identification Markings

The Tenderer shall submit, with the Tender, details of markings which it is proposed to apply to the product or packaging to identify manufacturing batches or items. The forms and content of such markings shall be subject to the Approval of the Electricity North West Circuits Policy Manager and shall in all cases include the Electricity North West approved description and commodity code number.

The Tenderer shall submit, with the Tender, such details of marking gross weight on components, assemblies and packages, as will enable Electricity North West to comply with the Health and Safety Manual Handling Operation Regulations 1992, for components, assemblies and packages supplied with a gross weight over 1kg. The forms and content of such markings shall be subject to the Approval of the Electricity North West Circuits Policy Manager.

4.6 Minimum Life Expectancy

The minimum life expectancy of all products covered by this Specification is 20 years.

4.7 Product Conformity

Preference will be given to those Suppliers who can provide suitable product conformity certification to a recognised or specified standard, or an equivalent certification.

4.8 Confirmation of Conformance

The Tenderer shall complete the conformance declaration sheets in [Appendix B](#). Failure to complete these declaration sheets may result in an unacceptable bid.

5 Requirements for Type and Routine Testing

The Electricity North West Circuits Policy Manager shall set out the requirement of the following tests to be carried out by the Supplier at the Supplier's cost.

5.1 Requirement for Type Tests at Suppliers Premises

These are a series of one-off type tests, which are carried out to ensure the satisfactory performance of the product design, under extremes of operating stresses, and of endurance, as may be appropriate, to be determined by the Electricity North West Circuits Policy Manager.

These may or may not be destructive tests.

5.2 Requirement for Routine Tests at the Supplier's Premises

These tests may be required to be carried out on every individual unit or component, as specified, or at some regular frequency to be determined by the Electricity North West Circuits Policy Manager.

The results of these tests may be required to be supplied to Electricity North West with each unit purchased or retained for inspection, at a period to be determined by the Electricity North West Circuits Policy Manager.

6 Technical Particulars

6.1 General Information

All notices, nameplates and marker posts shall comply with [Appendix A](#) and the appropriate materials/preparation Specification from Section 6.2 as identified on the drawings.

Every finished notice shall bear the year of manufacture and manufacturer's mark on the reverse side.

The Tenderer shall submit (with the Tender) samples of the following items for evaluation:

- One notice of each type.

6.2 Materials/Preparation

Types A to C are for wood-pole-only notices, whereas Type D is for steel tower notices only. Type E is no longer used. Type polycarb is used for all ground-based signage and is an alternative material for some steel tower notices where specified (refer to [Appendix A](#)).

6.2.1 Type A (Wood-Pole-Only Notices): Printed Aluminium

Individual requirements may vary from notice to notice. These variations are specified on the drawings. General requirements for each Type A notice are as follows:

- The notice shall be manufactured from aluminium to the thickness specified on the drawing. The aluminium shall be of a high enough standard to enable the conditions of this Specification to be met.
- Both sides shall be degreased and etch primed.
- Front face: white background, stove-enamelled. Graphics, lettering and logo shall be silk-screened in stoving ink to achieve maximum lightfastness. Colours, fonts, sizes and leading shall be as specified on the drawing.
- Reverse face: grey, stove-enamelled.
- Notice to be cut/predrilled with slots/holes as specified on the drawing, ready for immediate fixing.
- Notice to be stove-enamelled after cutting/predrilling to ensure that there are no exposed metal surfaces.
- Face of notice to be further protected by a clear stoving lacquer.

- All corners shall be rounded: minimum radius shall be 10mm.

6.2.2 Type B (Wood-Pole-Only Notices): Embossed Aluminium

General requirements for each Type B notice are as follows:

- Base material shall be aluminium sheet or strip not less than 2mm thick to a high enough standard to enable the conditions of this Specification to be met. It shall have a matt anodic oxidation coating on the obverse side. The coating thickness shall be to BS EN 7599: 2010, grade AA10.
- The letters and symbols shall be embossed from the reverse side. Letters and a 5mm border shall be raised not less than 1mm and the corners shall be radiused 10mm.
- The obverse side shall be etch-primed, primed and painted to the colour specified and sealed with clear sealer after manufacture as detailed in BS EN 7599: 2010.
- Tests shall be as detailed in BS EN 7599: 2010.
- All corners shall be rounded: minimum radius shall be 10mm.

6.2.3 Type C (Wood-Pole-Only Notices): Bonded Laminate of Plastic with Plastic Core

A heat and/or pressure bonded laminate of pre-printed plastic film on the obverse and reverse sides as called for, and a 3mm plastic sheet of the same colour as the background of printing.

6.2.4 Type D (Steel Tower Notices): Steel Plate

General requirements for Type D notices are as follows:

- These notices shall be manufactured from vitreous enamelled, steel plate (1.6mm thick) to BS EN 10025 grade: steel plate.
- All corners shall be rounded: minimum radius shall be 10mm.
- The plates (including edges) shall be vitreous enamelled to a thickness sufficient for the plate to pass the impact test detailed in BS 1344 Part 21: 1993.
- The reverse of every notice shall be black, unless stated otherwise.
- Unless otherwise stated, "black" shall be BS5252: 00 E53 and "white" shall be BS5252: 00 E55.

NOTE: that alternative polycarbonate notices are now available for some steel tower notices. The two types have different commodity codes (refer to [Appendix A](#)). Additionally, the steel plate variant is identified by "VE" in the description and the polycarbonate variant is identified by "polycarb".

6.2.5 Type E (Wooden Marker Posts)

This specification is no longer required; new marker posts shall be polycarbonate as specified below.

6.2.6 Type Polycarb (Polycarbonate Marker Posts and Notices)

Polycarbonate marker posts and notices shall meet all the requirements of the marker posts and notices they replace except for the material-specific requirements.

The polycarbonate material shall contain protection against long-term degradation by ultraviolet light. The notices shall remain legible for at least 20 years (as specified in [Section 4.6](#)).

Polycarbonate, circuit colour identification notices shall have a minimum thickness of 2mm. All other polycarbonate notices shall have a minimum thickness of 4mm, unless specified otherwise.

Each corner shall have a generous radius.

Polycarbonate marker posts and notices shall be impact resistant to BS EN 356:2000.

6.2.7 PVC Bands

PVC bands secured in place by adhesive – for example the emergency phone number band shown in Drawing I-400N1-NOTE-031 – shall meet the general requirements of this specification, for example, they shall remain legible and secure for a minimum of 20 years as specified in [Section 4.6](#).

6.2.8 Notices Carrying the Electricity North West Logo

The size of the Electricity North West logo (where required) shall be suitably proportioned to fit the particular notice – refer to the drawing for position of the logo.

6.3 Fixings

Fixing holes shall be as detailed on the relevant drawings.

Types A, B and D notices shall be provided with nylon or plastic washers of a size to match the holes and in sufficient number to fit front and rear of each hole.

NOTE: The purpose of the nylon or plastic washers is to protect the surface finish of the notice from the steel fixing washers.

6.4 Packaging

Finished plates shall be packed to prevent damage. Where faces can be damaged by friction, they shall be protected by slip-sheets.

7 Documents Referenced

All references to documents listed below are to the latest versions, unless stated otherwise.

DOCUMENTS REFERENCED	
Health and Safety at Work Act 1972	
Electricity Safety, Quality and Continuity Regulations.	
Control of Substances Hazardous to Health Regulations 2002	
Manual Handling Operations Regulations 1992	
BS ISO 3684-1: 2011	Graphical symbols — Safety colours and safety signs Part 1: Design principles for safety signs and safety markings.
BS ISO 3684-4: 2011	Graphical symbols — Safety colours and safety signs Part 4: Colorimetric and photometric properties of safety sign materials.
BS EN ISO 14001	Environmental Management Systems.
BS EN 356: 2000	Glass in Building. Security glazing. Testing and classification of resistance against manual attack.
BS EN 7599: 2010	Anodizing of aluminium and its alloys. General specifications for anodic oxidation coatings on aluminium.
BS EN 10025	Hot rolled products of non-alloy structural steels.
BS 381C	Specification for colours for identification, coding and special purposes.

BS 1344-21: 1993	Determination of resistance of vitreous enamel articles to impact: pistol test.
BS 5252	Framework for colour co-ordination for building purposes.
Energy Networks Association publication	Angler Safety - managing risks associated with angling in the close proximity to power lines.
Engineering Recommendation (ER) L.31	Railways Wayleave Agreement.
CP311	Equipment Approval Policy and Process
CP420 Part 1	Policy and Practice for Wood Pole Overhead Lines.
CP420 Part 2	Policy and Practice for Wood Pole Overhead Lines.
ES356	Notices and Nameplates.
ES400S11	Specification for Overhead Line Steelwork.

8 Keywords

Notice; Nameplate

Appendix A – Notices, Nameplates and Marker Posts – Overhead Lines: Specific Requirements

The following table (Table A1) lists, in alphabetic order, the notices, nameplates and marker posts used by Electricity North West for overhead lines. The drawings referenced from Table A1 follow the table in numerical sequence.

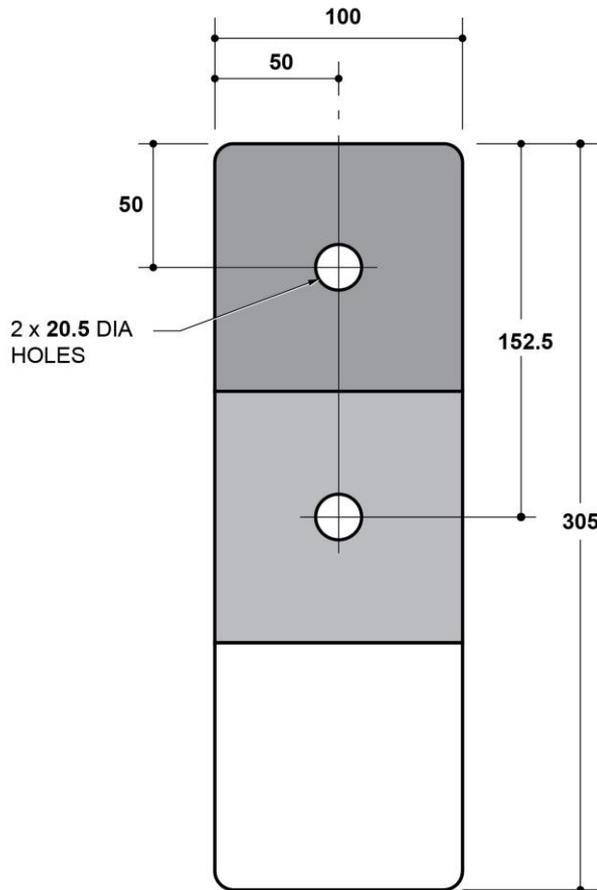
Table A1: List of Notices, Nameplates and Marker Posts – Overhead Lines

APPROVED DESCRIPTION (FOR PURCHASING AND PRODUCT LABELLING)	LOCATION	CC NUMBER
Notice, CDC inspection plate (wood poles) (Dwg I-400N1-NOTE-021)	Wood pole	995600
Notice, circuit colour identification, polycarb (steel towers) (Dwg I-400N1-NOTE 004)	Steel tower	129012
Notice, circuit colour identification, VE (steel towers) (Dwg I-400N1-NOTE 004)	Steel tower	129011
Notice, danger of death, polycarb (steel towers) (Dwg I-400N1-NOTE-005)	Steel tower	129013
Notice, danger of death, VE (steel towers) (Dwg I-400N1-NOTE-005)	Steel tower	195375
Notice, danger of death (wood poles) (Dwg I-400N1-NOTE-006)	Wood pole	195251
Notice, danger overhead wires (Dwg I-400N1-NOTE-028)	Marker post	195111
Notice, defective pole label (Dwg I-400N1-NOTE-008)	Wood pole	234788
Notice, emergency phone number band (Dwg I-400N1-NOTE-031)	All marker posts	128763
Notice, fishing safety (warning) (Dwg I-400N1-NOTE-029)	Marker post	995221
Notice, fishing safety (exclusion zone) (Dwg I-400N1-NOTE-029)	Marker post	128760
Notice, fishing safety (prohibition) (Dwg I-400N1-NOTE-029)	Marker post	128762
Notice, flight obstruction plates (steel towers) (Dwg I-400N1-NOTE-010)	Steel tower	129003

Notice, gouge-mark plate (wood poles) (Dwg I-400N1-NOTE-011)	Wood pole with gouge mark below ground level	995610
Notice, jib clearance plate, railways (Dwg I-400N1-NOTE-030)	Marker post	129097
Notice, line switch classification plate (wood poles) (Dwg I-400N1-NOTE-020)	Wood pole Same kit as that used for “notice, pole number”.	
Notice, non-standard phase rotation (wood poles) (Dwg I-400N1-NOTE-032)	Wood Pole	128764
Notice, number plate (steel towers - helicopter inspections), size 1 (Dwg I-400N1-NOTE-013)	Steel tower	129038
Notice, number plate (steel towers - helicopter inspections), size 2 (Dwg I-400N1-NOTE-013)	Steel tower	195270
Notice, number plate, polycarb (steel towers) (Dwg I-400N1-NOTE-014)	Steel tower	TBA
Notice, number plate, VE (steel towers) (Dwg I-400N1-NOTE-014)	Steel tower	128988
Notice, phase plate, polycarb (steel towers) (Dwg I-400N1-NOTE-015)	Steel tower	121514
Notice, phase plate, VE (steel towers) (Dwg I-400N1-NOTE-015)	Steel tower	121509
Notice, phase plate (wood poles) (Dwg I-400N1-NOTE-020)	Wood pole Same kit as that used for “notice, pole number”.	
Notice, pole number (wood poles) (Dwg I-400N1-NOTE-020) *1	Wood pole This kit will be used by linesmen to create the notices specified on the drawing.	See material list of Dwg I-400N1-NOTE-020
Notice, pole mounted transformer etc (wood poles) (Dwg I-400N1-NOTE-022)	Wood pole	129054
Notice, plant identification (wood poles) (Dwg I-400N1-NOTE-026)	Wood pole	121511
Notice, property/emergency, polycarb (steel towers) (Dwg I-400N1-NOTE-016)	Steel tower	129015

Notice, property/emergency, VE (steel towers) (Dwg I-400N1-NOTE-016)	Steel tower	128940
Notice, property/emergency (wood poles) (Dwg I-400N1-NOTE-018)	Wood pole	129046
Notice, safe climbing plate, polycarb (steel towers) (Dwg I-400N1-NOTE-019)	Steel tower	TBA
Notice, safe climbing plate, VE (steel towers) (Dwg I-400N1-NOTE-019)	Steel tower	128937
Notice, safe-to-climb plate, polycarb (steel towers) (Dwg I-400N1-NOTE-025)	Steel tower	TBA
Notice, safe-to-climb plate, VE (steel towers) (Dwg I-400N1-NOTE-025)	Steel tower	128938
Marker post, polycarbonate (length 1104) (Dwg I-400N1-NOTE-027)	In ground (carries notice)	810336

*1 Viable plastic alternative may be considered.



MATERIAL: VE VARIANT: 1.6mm STEEL PLATE (ES400N1 TYPE D)
POLYCARB VARIANT: POLYCARBONATE

PREPARATION: 1. ES400N1 TYPE D OR POLYCARB
2. FRONT COLOURS SHALL BE AS SPECIFIED, AND SHALL BE DISPLAYED IN THE ORDER SPECIFIED. THE TOP HOLE SHALL BE PUNCHED IN WHICHEVER END SATISFIES THE FOLLOWING RULE: COLOUR NAME THAT COMES FIRST IN THE ALPHABET SHALL CONTAIN THE TOP HOLE.

EXAMPLE 1: IF THE COLOURS AT EACH END ARE BLACK AND BLUE, THE TOP HOLE SHALL BE IN THE BLACK.

EXAMPLE 2: IF THE COLOURS AT EACH END ARE BLUE AND VIOLET, THE TOP HOLE SHALL BE IN THE BLUE.

COMMODITY CODES
VE VARIANT 129011
POLYCARB VARIANT 129012

NOTICE
CIRCUIT COLOUR
IDENTIFICATION
(STEEL TOWERS)

Change information for this issue
Reference to CP420 removed from
'Appears in'

Appears in
ES400N1
CP430 Pt 2

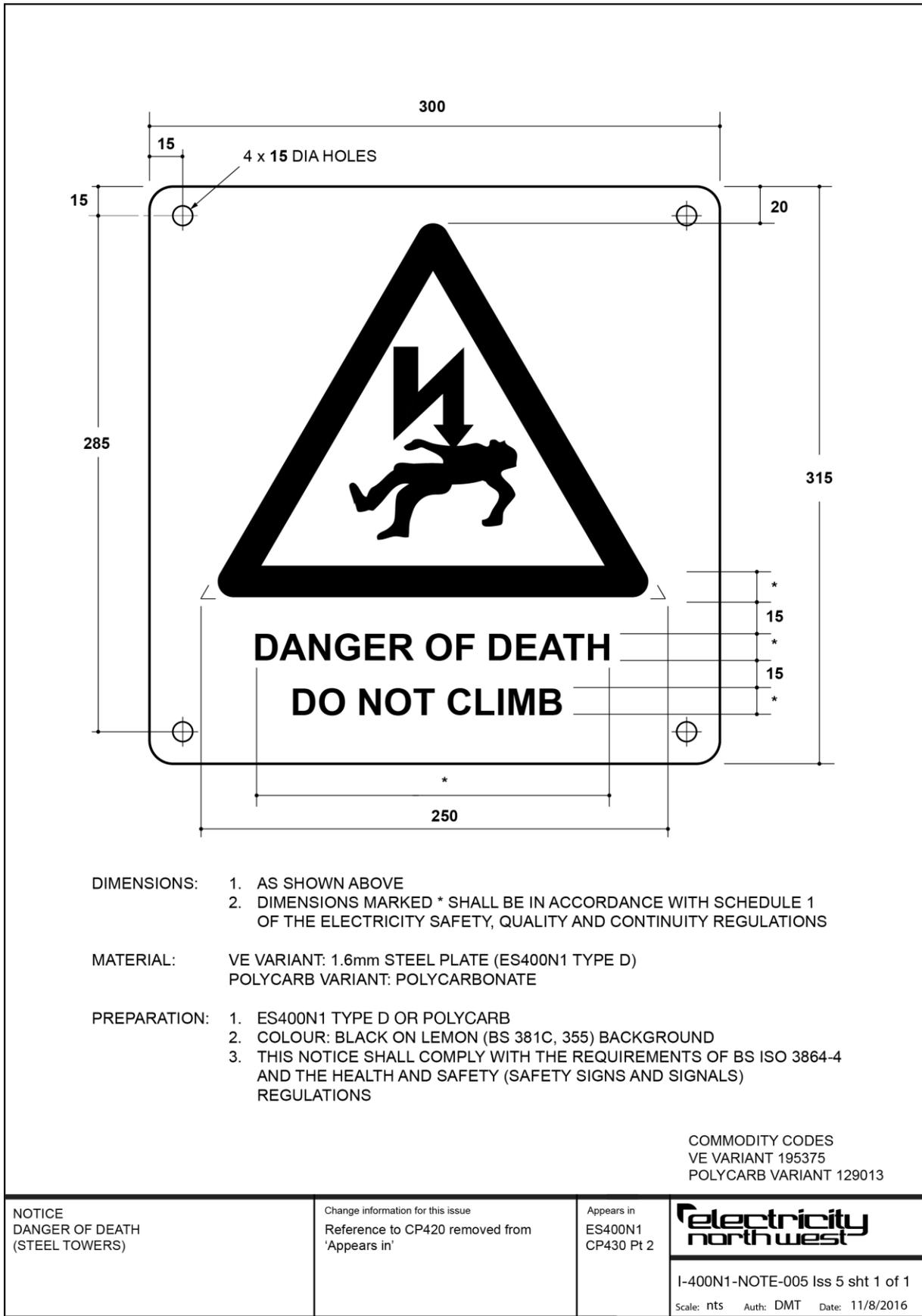
**electricity
north west**

I-400N1-NOTE-004 Iss 5 sht 1 of 1

Scale: nts Auth: DMT Date: 11/8/2016

DRAWING NO: I-400N1-NOTE-004

APPROVED COLOUR FOR CIRCUIT COLOUR IDENTIFICATION (COLOUR NAME)	COLOUR STANDARD
Red, Cherry	BS 381C: 538
Blue, French	BS 381C: 166
Lemon	BS 381C: 355
Green, Grass	BS 381C: 218
Violet, Dark	BS 381C: 796
Orange, Light	BS 381C: 557
White	BS 381C or (BS5252: 00 E55)
Black	BS 381C or (BS5252: 00 E53)





STAND-OFF STUDS SHALL BE INCORPORATED TO PREVENT CREOSOTE FROM RUNNING OVER THE FACE OF THE NOTICE

- GENERAL:**
1. THE SIGN AND DIMENSIONS SHALL COMPLY WITH SCHEDULE 1 OF THE ELECTRICITY SAFETY, QUALITY AND CONTINUITY REGULATIONS
 2. SHATTER RESISTANCE OF THE SIGN SHALL BE DEMONSTRATED
- DIMENSIONS:** DIMENSIONS AND CURVATURE TO SUIT POWER DISTRIBUTION POLES
- MATERIAL:** ASA COPOLYMER
- PREPARATION:**
1. INJECTION MOULDED WARNING SIGN
 2. UV STABILISED AND WEATHER RESISTANT
 3. TEXT AND DIAGRAM SHALL BE BLACK ON LEMON YELLOW BACKGROUND
 4. THIS NOTICE SHALL COMPLY WITH THE REQUIREMENTS OF BS ISO 3864-4 AND THE HEALTH AND SAFETY (SAFETY SIGNS AND SIGNALS) REGULATIONS

COMMODITY CODE 195251

NOTICE
DANGER OF DEATH
(WOOD POLES)

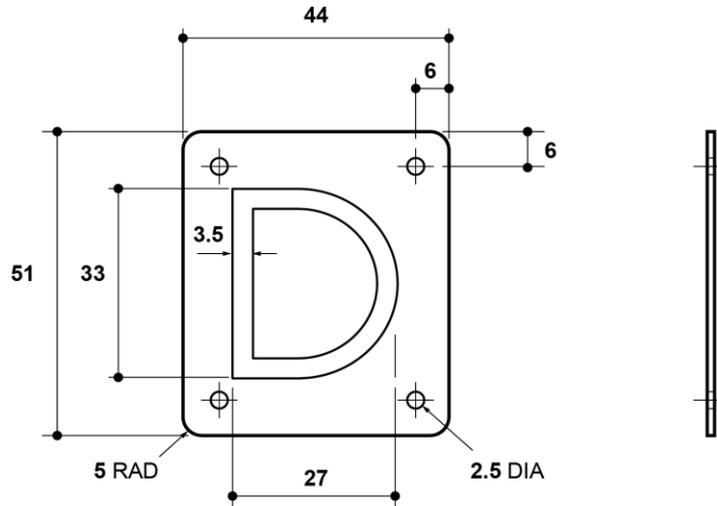
Change information for this issue
Reference to CP420 removed from
'Appears in'

Appears in
ES400N1
CP430 Pt 1
CP423

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I-400N1-NOTE-006 Iss 4 sht 1 of 1

Scale: nts Auth: DMT Date: 11/8/2016



FOR ATTACHMENT TO DEFECTIVE POLES
(SUPPLIED WITH 4 S/S NAILS)

MATERIAL	COLOUR	NOTES
ES 400N1 TYPE C	LETTER D WHITE BACKGROUND RED	THE LABEL SHOULD BE POSITIONED ON POLE AT APPROX. 1.8m FROM GROUND LEVEL ON THE SIDE OF POLE FROM WHICH IT WOULD BE MOST EASILY SEEN. SECURED BY MEANS OF 4 NO. 14 SWG STAINLESS STEEL NAILS

COMMODITY CODE 234788

NOTICE
DEFECTIVE POLE LABEL

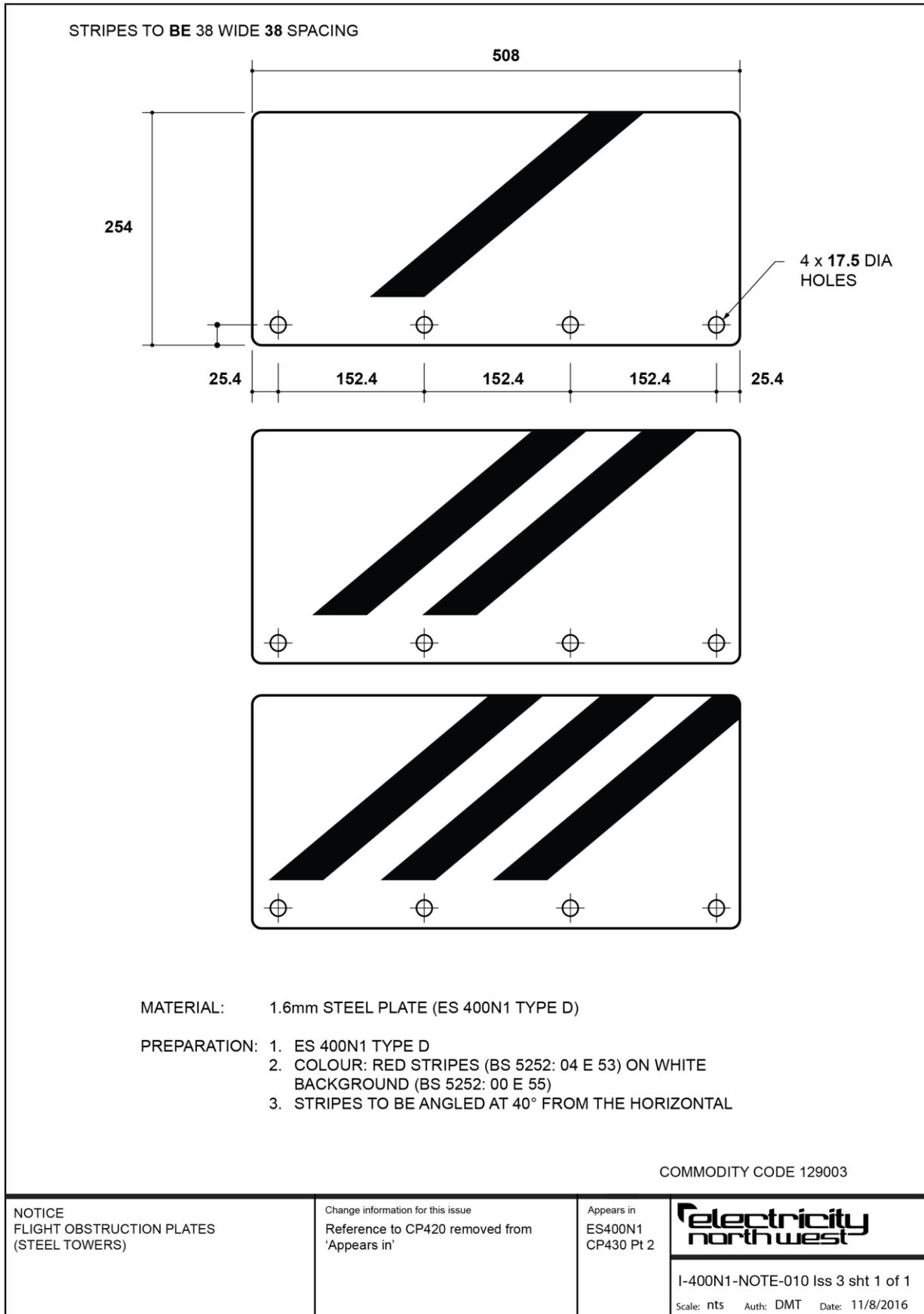
Change information for this issue
Reference to CP420 removed from
'Appears in'

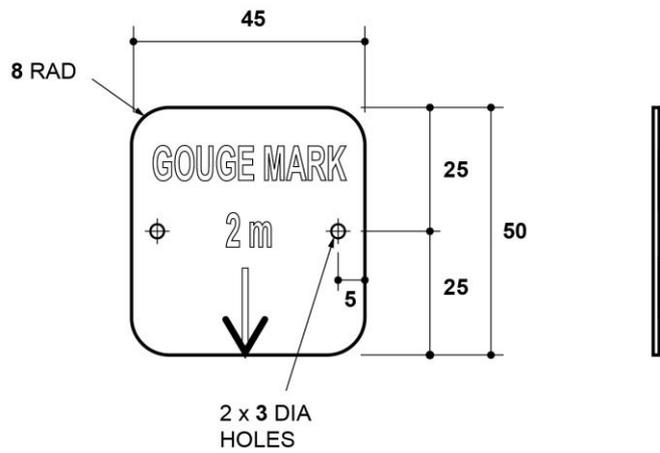
Appears in
ES400N1
CP430 Pt 1

**Electricity
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I-400N1-NOTE-008 Iss 2 sht 1 of 1

Scale: nts Auth: DMT Date: 11/8/2016





DIMENSIONS: LETTERING AND ARROW TO FIT
 MATERIAL: EMBOSSED ALUMINIUM (ES 400N1 TYPE B)
 PREPARATION: ES 400N1 TYPE B

COMMODITY CODE 995610

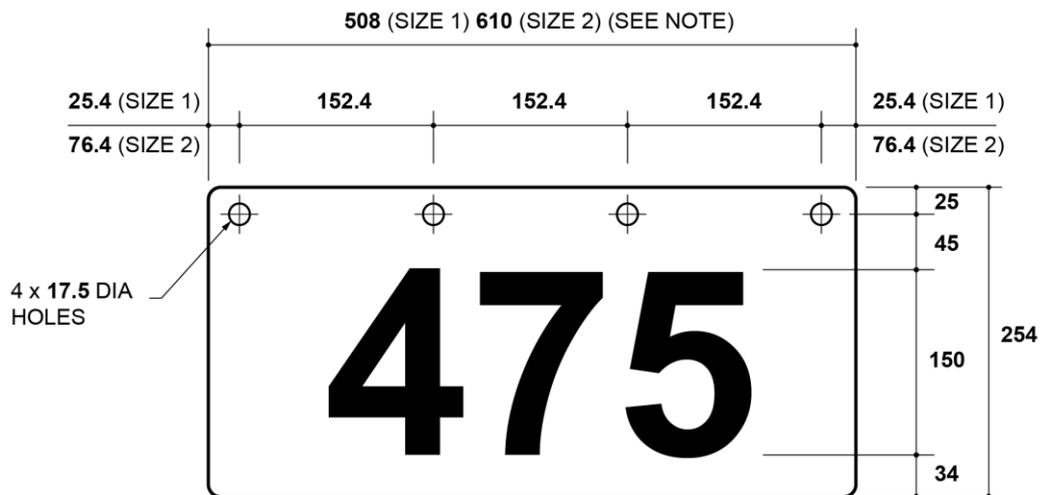
NOTICE
GOUGE-MARK PLATE
(WOOD POLES)

Change information for this issue
Reference to CP420 removed from
'Appears in'

Appears in
ES400N1
CP430 Pt 1



I-400N1-NOTE-011 Iss 2 sht 1 of 1
Scale: nts Auth: DMT Date: 11/8/2016



MATERIAL: 1.6mm STEEL PLATE (ES 400N1 TYPE D)

PREPARATION: 1. ES 400N1 TYPE D
2. COLOUR: BLACK (BS 5252: 00 E 53)
ON WHITE BACKGROUND (BS 5252: 00 E 55)
3. USE NUMBER ASSIGNED TO THE TOWER

NOTE: **508 (SIZE 1)** SHALL BE USED FOR THREE NUMBERS/LETTERS
610 (SIZE 3) SHALL BE USED FOR FOUR NUMBERS/LETTERS

COMMODITY CODE 129038 (SIZE 1)
COMMODITY CODE 195270 (SIZE 2)

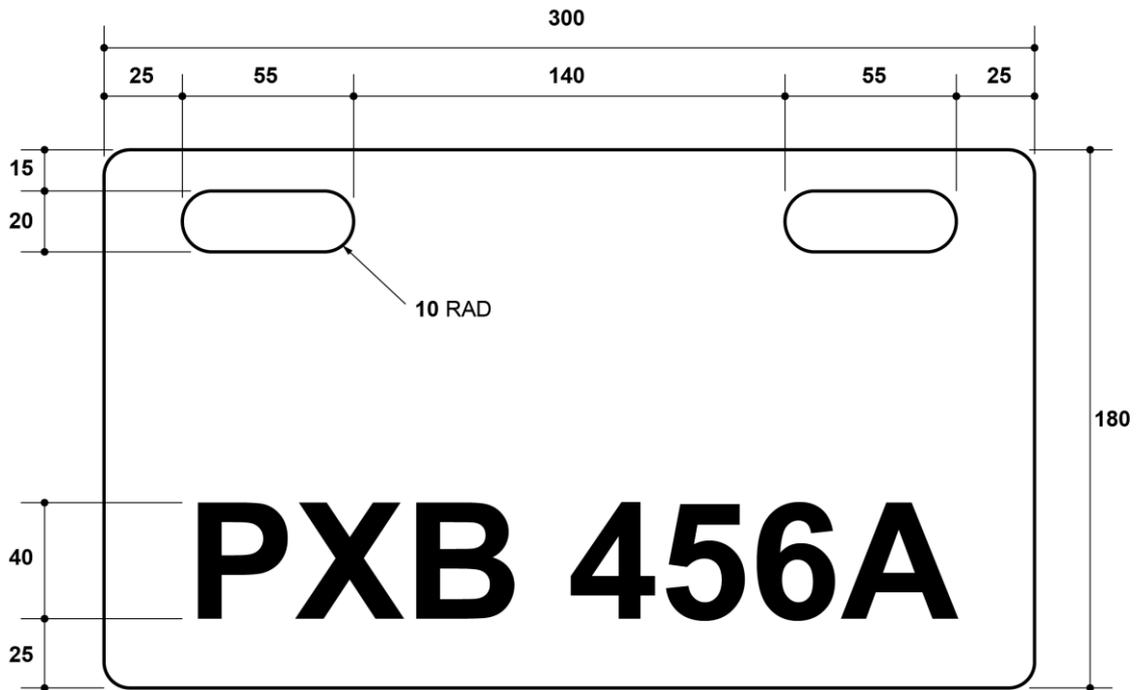
NOTICE
NUMBER PLATES
(STEEL TOWERS –
HELICOPTER INSPECTIONS)

Change information for this issue
Reference to CP420 removed from
'Appears in'

Appears in
ES400N1
CP430 Pt 2

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I-400N1-NOTE-013 Iss 5 sht 1 of 1
Scale: nts Auth: DMT Date: 11/8/2016



MATERIAL: VE VARIANT: 1.6mm STEEL PLATE (ES400N1 TYPE D)
POLYCARB VARIANT: POLYCARBONATE

- PREPARATION:
1. ES400N1 TYPE D OR POLYCARB
 2. LETTERS / NUMBERS AS REQUIRED AND CENTRED HORIZONTALLY
 3. COLOUR: RED (BS 5252: 04 E 53)
ON WHITE BACKGROUND (BS 5252: 00 E 55)
 4. USE LETTER AND NUMBERS ASSIGNED TO THE TOWER

COMMODITY CODE 128988

NOTICE
NUMBER PLATE
(STEEL TOWERS)

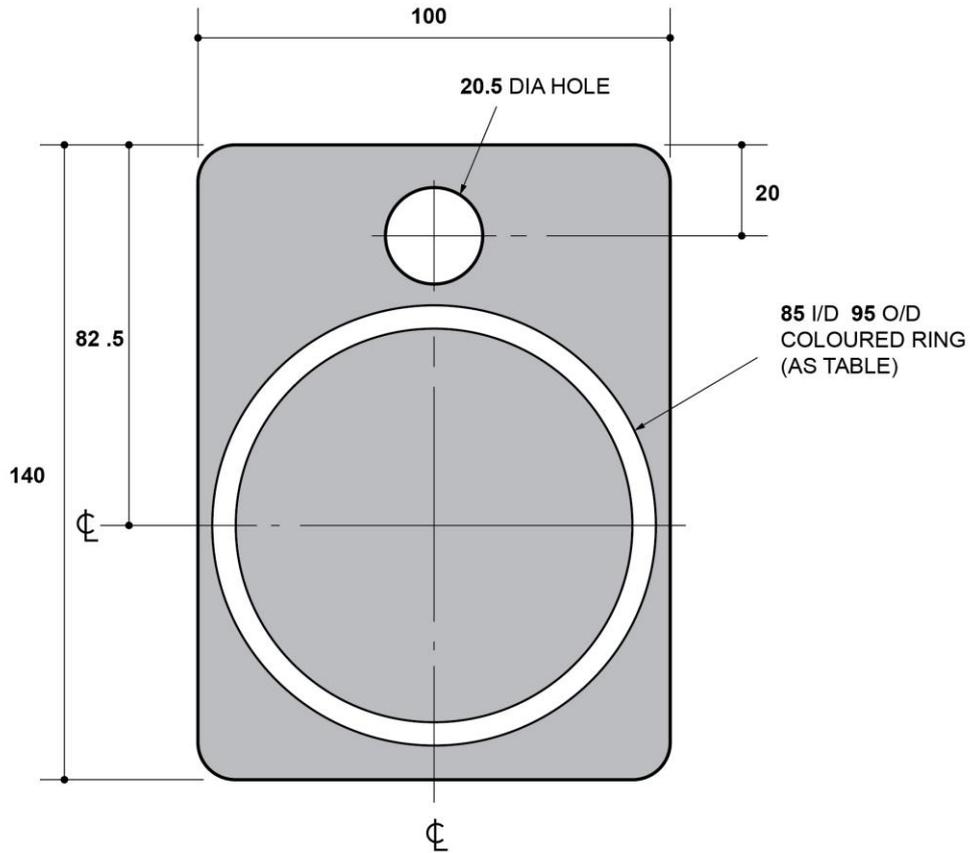
Change information for this issue
Polycarb variant introduced

Appears in
ES400N1
CP430 Pt 2

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I-400N1-NOTE-014 Iss 5 sht 1 of 1

Scale: nts Auth: DMT Date: 22/11/2016



MATERIAL: VE VARIANT: 1.6mm STEEL PLATE (ES400N1 TYPE D)
POLYCARB VARIANT: POLYCARBONATE

PREPARATION: 1. ES400N1 TYPE D OR POLYCARB
2. COLOURS AS REQUIRED

COMMODITY CODES
VE VARIANT 121509
POLYCARB VARIANT 129014

NOTICE
PHASE PLATE
(STEEL TOWERS)

Change information for this issue
Reference to CP420 removed from
'Appears in'

Appears in
ES400N1
CP430 Pt 2

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I-400N1-NOTE-015 Iss 5 sht 1 of 1

Scale: nts Auth: DMT Date: 11/8/2016

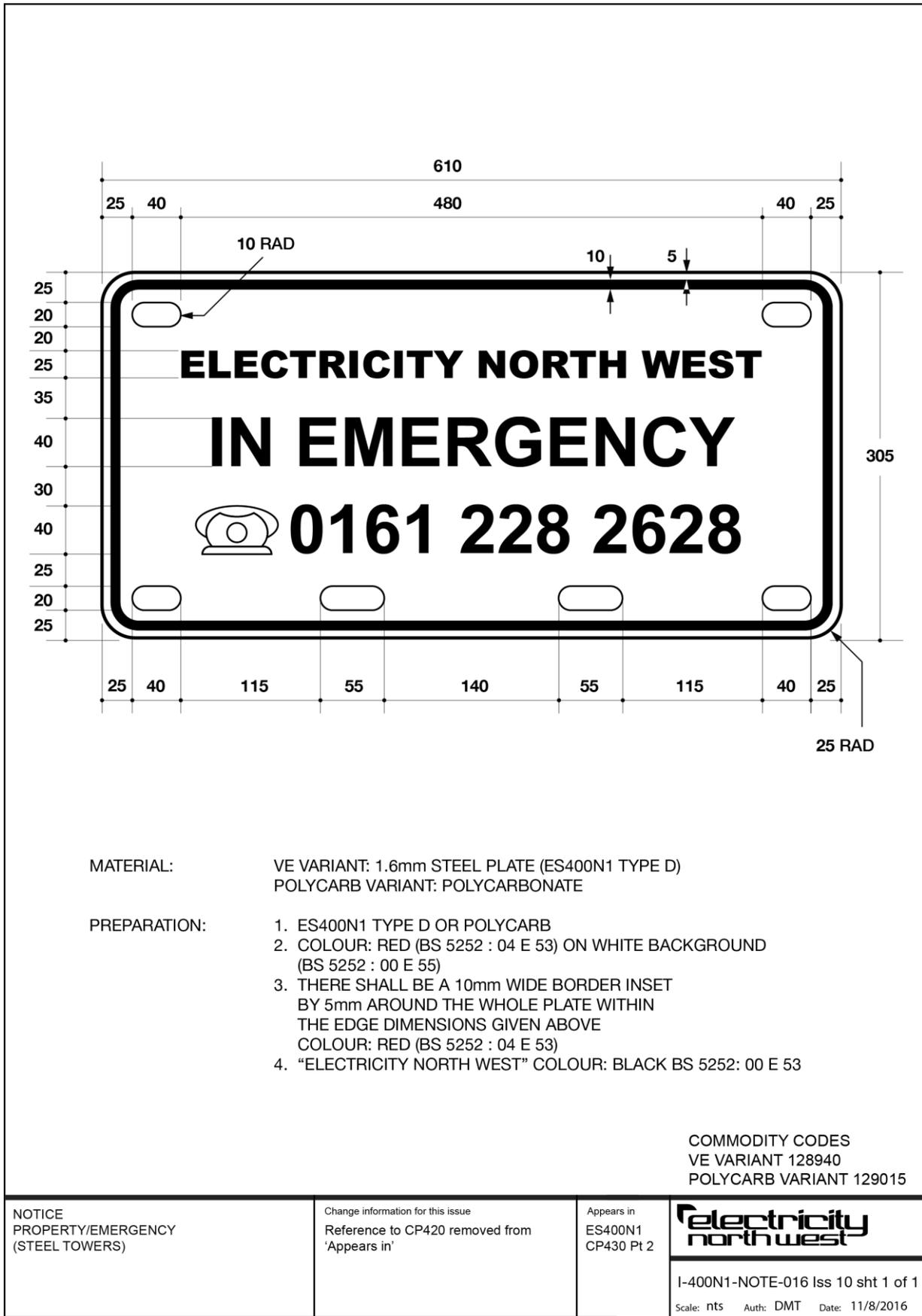
DRAWING NO: I-400N1-NOTE-015

Approved colours for Phase Plates

White Ring (BS 5252: 00 E 55) on Cherry Red Background (BS 381C: 538)

White Ring (BS 5252: 00 E 55) on French Blue Background (BS 381C: 166)

Black Ring (BS 5252: 00 E 53) on Lemon Background (BS 381C: 355)





MATERIAL: 22 SWG ALUMINIUM (ES 400N1 TYPE A)

PREPARATION: 1. ES 400N1 TYPE A

2. TEXT AND DIAGRAM SILK SCREENED BLACK BS 5252: 00 E 53
WITH STOVING INK

COMMODITY CODE 129046

NOTICE
PROPERTY/EMERGENCY
(WOOD POLES)

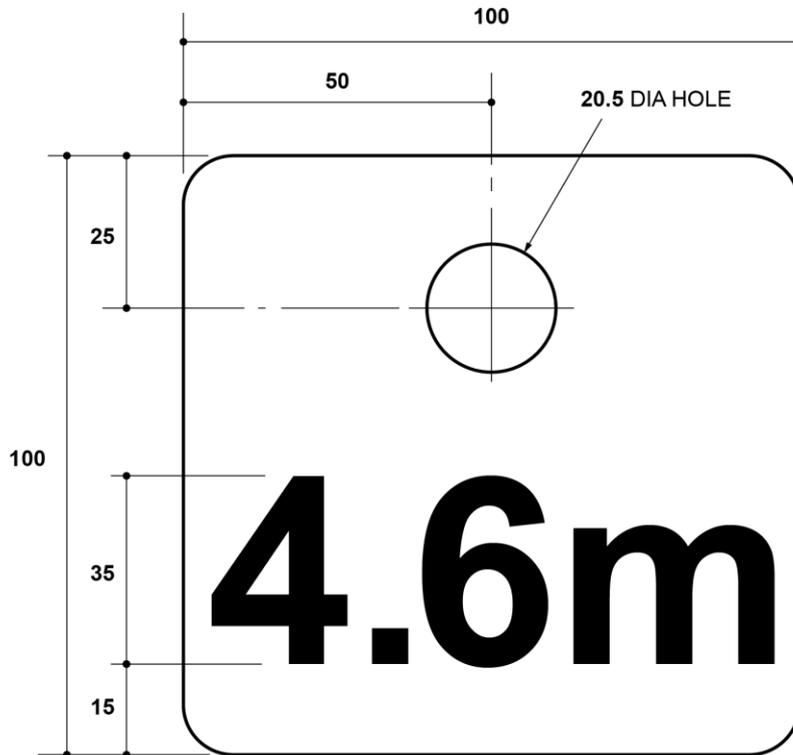
Change information for this issue
Reference to CP420 removed from
'Appears in'

Appears in
ES400N1
CP430 Pt 1

**Electricity
north west**

I-400N1-NOTE-018 Iss 4 sht 1 of 1

Scale: nts Auth: DMT Date: 11/8/2016



MATERIAL: VE VARIANT: 1.6mm STEEL PLATE (ES400N1 TYPE D)
POLYCARB VARIANT: POLYCARBONATE

PREPARATION: 1. ES400N1 TYPE D OR POLYCARB
2. COLOUR: BLACK (BS 5252: 00 E 53)
ON WHITE BACKGROUND (BS 5252: 00 E 55)

COMMODITY CODE 128937

NOTICE
SAFE CLIMBING PLATE
(STEEL TOWERS)

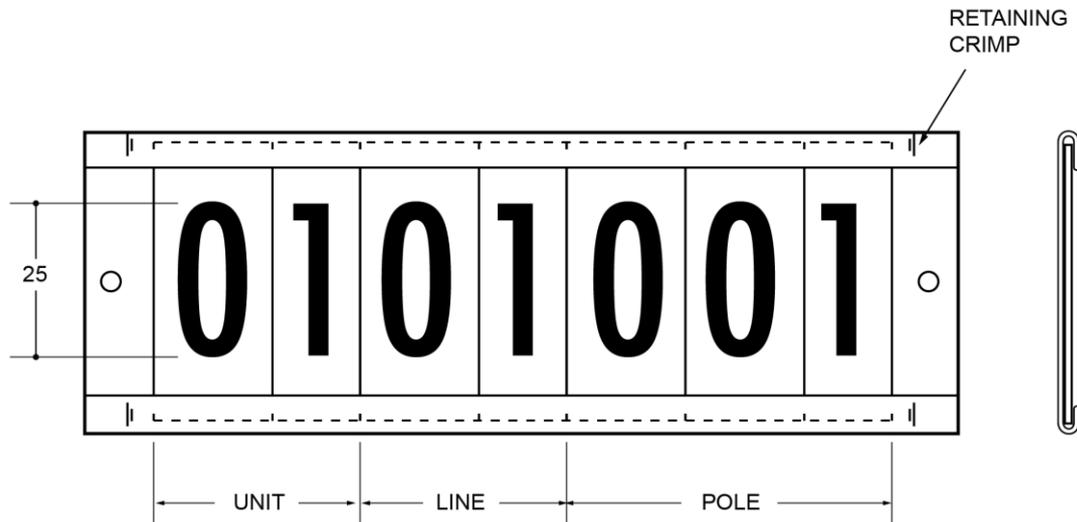
Change information for this issue
Polycarb variant introduced

Appears in
ES400N1
CP430 Pt 2



I-400N1-NOTE-019 Iss 4 sht 1 of 1

Scale: nts Auth: DMT Date: 22/11/2016



NOTES

1. PLATE DRAWN FULL SIZE
2. EACH PLATE IS TO BE MADE UP USING SELF-ASSEMBLY NOTICE KIT (USE NUMBERS ASSIGNED TO THE POLE)
3. COLOURS: FIGURES BLACK, BACKGROUND YELLOW (PANTONE 109-A OR SIMILAR)
4. AN ALPHA NUMERIC REFERENCE CAN BE USED TO IDENTIFY UNIT (eg BT1)

COMMODITY CODE: SEE MATERIALS LIST

NOTICE
POLE NUMBER
(WOOD POLES)

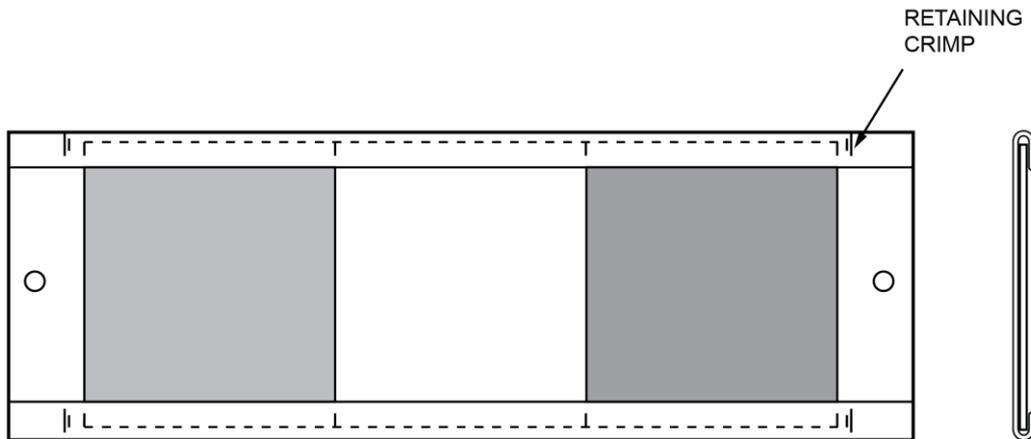
Change information for this issue
Reference to CP420 removed from
'Appears in'
All 3 sheets updated to same issue

Appears in
ES400N1
CP430 Pt 1



I-400N1-NOTE-020 Iss 3 sht 1 of 3

Scale: nts Auth: DMT Date: 11/8/2016



NOTES

1. PLATE DRAWN FULL SIZE
2. EACH PLATE IS TO BE MADE UP USING SELF-ASSEMBLY NOTICE KIT (USE COLOURS ASSIGNED TO THE POLE)

COMMODITY CODE: SEE MATERIALS LIST

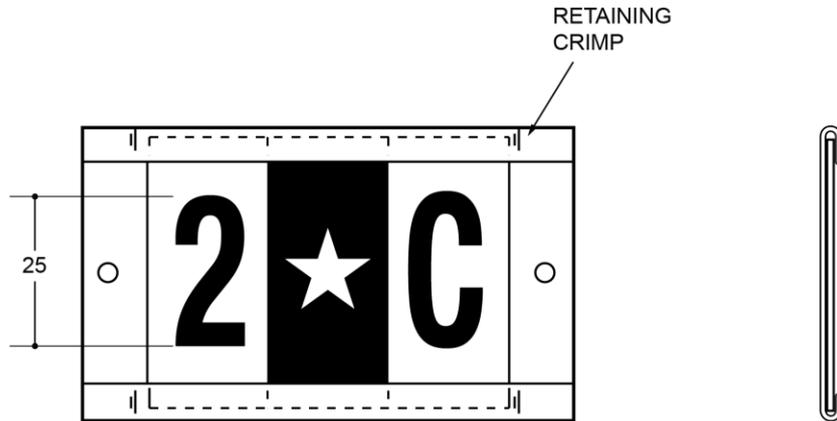
NOTICE
PHASE PLATE
(WOOD POLES)

Change information for this issue
Reference to CP420 removed from
'Appears in'
All 3 sheets updated to same issue

Appears in
ES400N1
CP430 Pt 1



I-400N1-NOTE-020 Iss 3 sht 2 of 3
Scale: nts Auth: DMT Date: 11/8/2016



NOTES

1. PLATE DRAWN FULL SIZE
2. EACH PLATE IS TO BE MADE UP USING SELF-ASSEMBLY NOTICE KIT (USE NUMBER AND LETTER ASSIGNED BY ENGINEER)
3. COLOURS: FIGURES BLACK, BACKGROUND YELLOW (PANTONE 109-A OR SIMILAR) STAR YELLOW ON BLACK BACKGROUND

COMMODITY CODE: SEE MATERIALS LIST

NOTICE
LINE SWITCH CLASSIFICATION PLATE
(WOOD POLES)

Change information for this issue
Reference to CP420 removed from
'Appears in'
All 3 sheets updated to same issue

Appears in
ES400N1
CP430 Pt 1

**Electricity
north west**

I-400N1-NOTE-020 Iss 3 sht 3 of 3

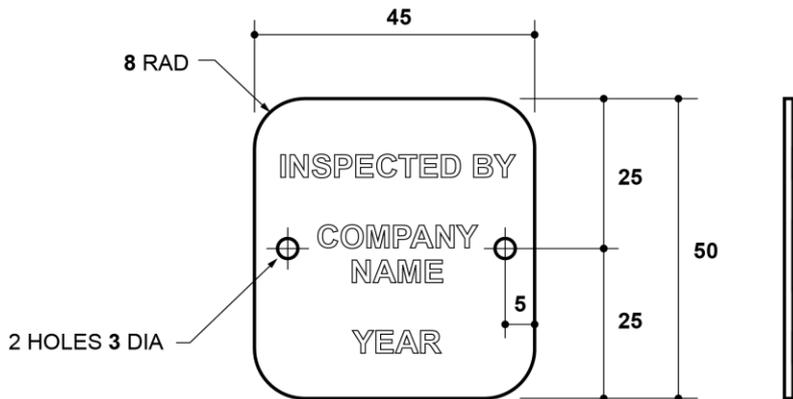
Scale: nTS Auth: DMT Date: 11/8/2016

DRAWING NO: I-400N1-NOTE-020

ITEMS FOR THE KIT THAT CAN BE ORDERED INDIVIDUALLY

APPROVED DESCRIPTION (FOR PURCHASING AND PRODUCT LABELLING)	QTY	CC NUMBER
Notice, pole number kit item, aluminium base plate (500mm long)	1	128864
Notice, pole number kit item, aluminium character “-“ (dash) (H25)	1	128850
Notice, pole number kit item, aluminium character a	1	128852
Notice, pole number kit item, aluminium character b	1	128854
Notice, pole number kit item, aluminium character c	1	128857
Notice, pole number kit item, aluminium character d	1	128858
Notice, pole number kit item, aluminium character v	1	128860
Notice, pole number kit item, aluminium character h	1	128862
Notice, pole number kit item, aluminium number 0	1	128870
Notice, pole number kit item, aluminium number 1	1	128871
Notice, pole number kit item, aluminium number 2	1	128872
Notice, pole number kit item, aluminium number 3	1	128873
Notice, pole number kit item, aluminium number 4	1	128874
Notice, pole number kit item, aluminium number 5	1	128875
Notice, pole number kit item, aluminium number 6	1	128876
Notice, pole number kit item, aluminium number 7	1	128877
Notice, pole number kit item, aluminium number 8	1	128878
Notice, pole number kit item, aluminium number 9	1	128879
Notice, pole number kit item, aluminium phase plate, blue 40*48*0.7	1	128869

Notice, pole number kit item, aluminium phase plate, red 40*48*0.7	1	128867
Notice, pole number kit item, aluminium phase plate, yellow 40*48*0.7	1	128868
Notice, pole number kit item, aluminium yellow star on black (20mm)	1	128866
Notice, pole number kit item, phase disc, blue (stamped b)	1	234613
Notice, pole number kit item, phase disc, red (stamped r)	1	234591
Notice, pole number kit item, phase disc, yellow (stamped y)	1	234605
Notice, pole number kit item, plastic box starter kit for phaseplates	1	201848



DIMENSIONS: LETTERING TO FIT

MATERIAL: EMBOSSED ALUMINIUM (ES 400N1 TYPE B)

PREPARATION: 1. ES 400N1 TYPE B
2. COMPANY NAME TO BE SPECIFIED BY COMPANY CARRYING OUT CDC INSPECTION

COMMODITY CODE 995600

NOTICE
CDC INSPECTION PLATE
(WOOD POLES)

Change information for this issue
Reference to CP420 removed from
'Appears in'

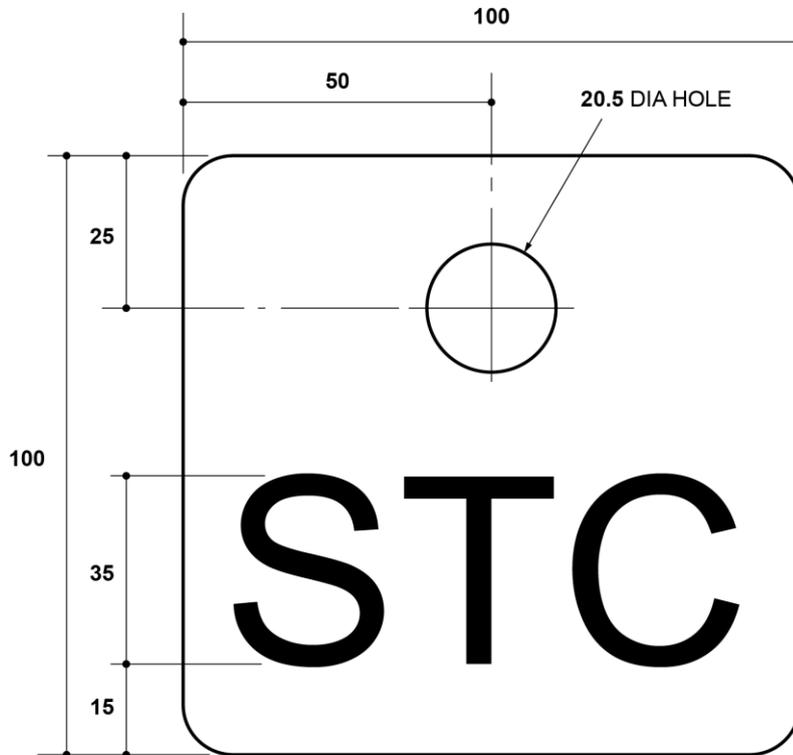
Appears in
ES400N1
CP430 Pt 1



I-400N1-NOTE-021 Iss 5 sht 1 of 1

Scale: nts Auth: DMT Date: 11/8/2016





MATERIAL: VE VARIANT: 1.6mm STEEL PLATE (ES400N1 TYPE D)
POLYCARB VARIANT: POLYCARBONATE

PREPARATION: 1. ES400N1 TYPE D OR POLYCARB
2. COLOUR: BLACK (BS 5252: 00 E 53)
ON WHITE BACKGROUND (BS 5252: 00 E 55)

COMMODITY CODE 128938

NOTICE
SAFE-TO-CLIMB PLATE
(STEEL TOWERS)

Change information for this issue
Polycarb variant introduced

Appears in
ES400N1
CP430 Pt 2

**Electricity
north west**

I-400N1-NOTE-025 Iss 3 sht 1 of 1

Scale: nts Auth: DMT Date: 22/11/2016



- GENERAL:** THIS NOTICE IS TO BE USED FOR ABS AND GVR IDENTIFICATION
- DIMENSIONS:**
1. 50mm HIGH BLACK TEXT
 2. LENGTH AND DEPTH TO SUIT TEXT
- MATERIAL:**
1. ES400N1 TYPE A
 2. 16 SWG ALUMINIUM
 3. PRE-CURVED TO 150mm
- PREPARATION:**
1. ES400N1 TYPE A
 2. BLACK TEXT ON WHITE BACKGROUND

COMMODITY CODE 121511

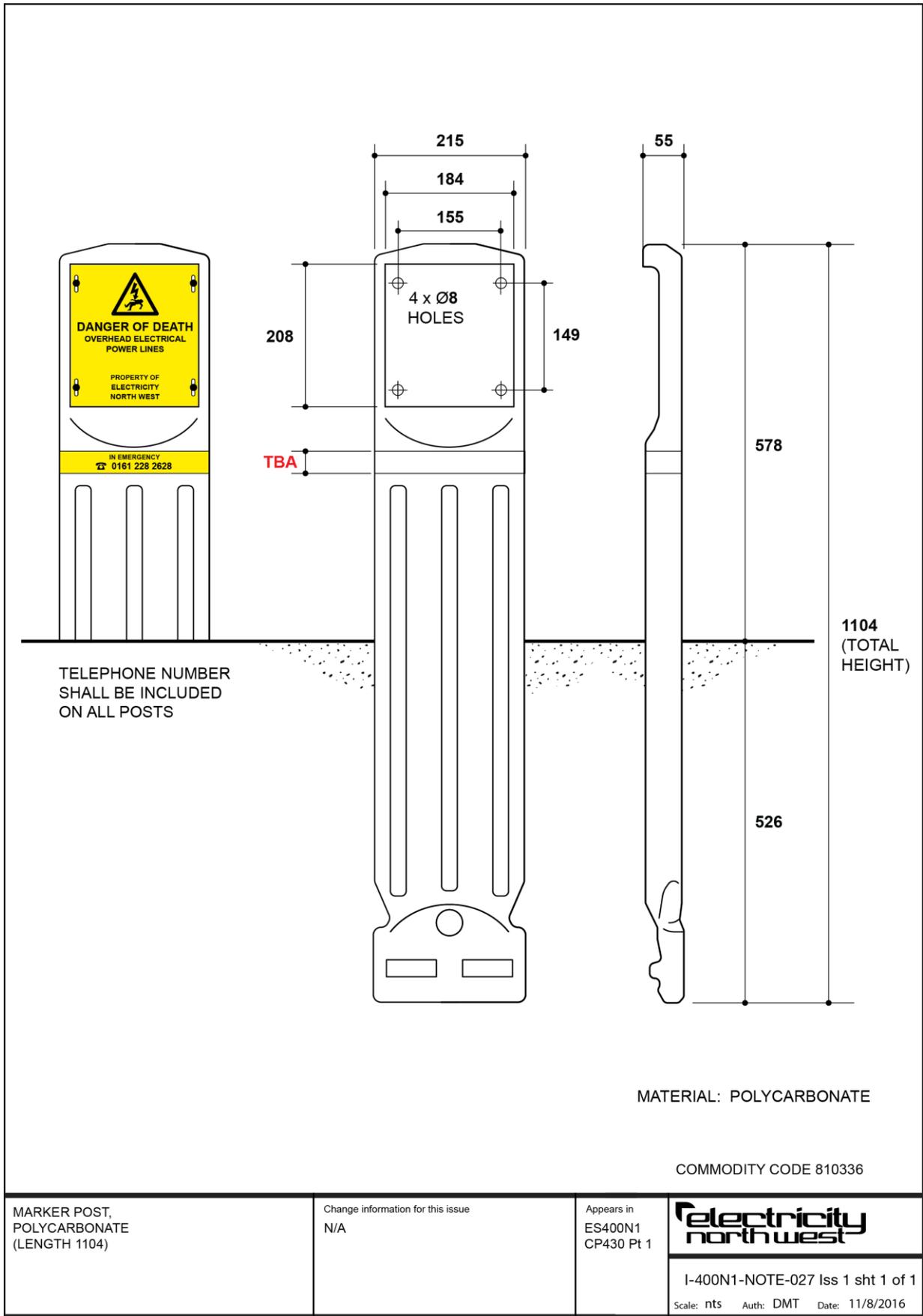
NOTICE
PLANT IDENTIFICATION
(WOOD POLES)

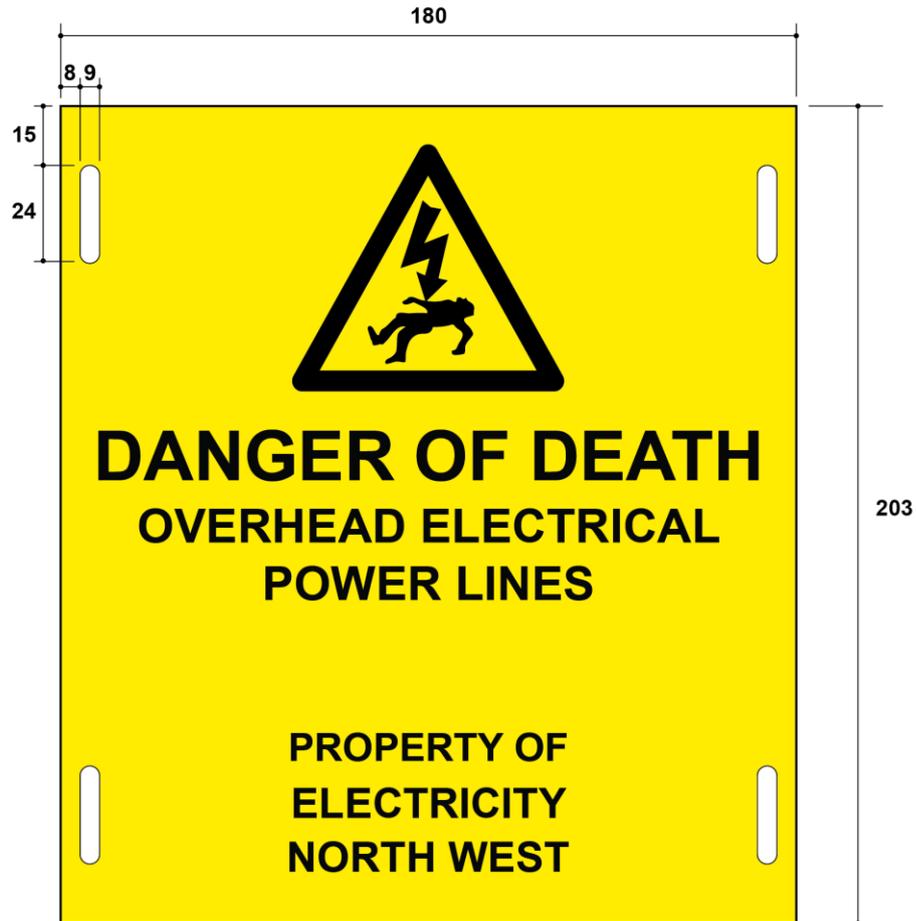
Change information for this issue
Reference to CP420 removed from
'Appears in'

Appears in
ES400N1
CP430 Pt 1



I-400N1-NOTE-026 Iss 3 sht 1 of 1
Scale: nts Auth: DMT Date: 11/8/2016





THE COLOURS USED ABOVE ARE REPRESENTATIVE ONLY:
THE ACTUAL COLOURS USED ON THE NOTICE SHALL COMPLY WITH
BS ISO 3864-1 AND BS ISO 3864-4

MATERIAL: POLYCARBONATE

- PREPARATION:
1. THIS NOTICE SHALL COMPLY WITH THE REQUIREMENTS OF BS ISO 3864-1, BS ISO 3864-4 AND THE HEALTH AND SAFETY (SAFETY SIGNS AND SIGNALS) REGULATIONS
 2. HEIGHT OF LETTERING TO BE MAXIMUM PERMISSIBLE WITHIN THE CONSTRAINTS OF OVERALL DIMENSIONS AND ABOVE REGULATIONS
 3. LETTERING SHALL NOT BE OBSCURED BY HOLES

COMMODITY CODE 195111

NOTICE
DANGER
OVERHEAD WIRES

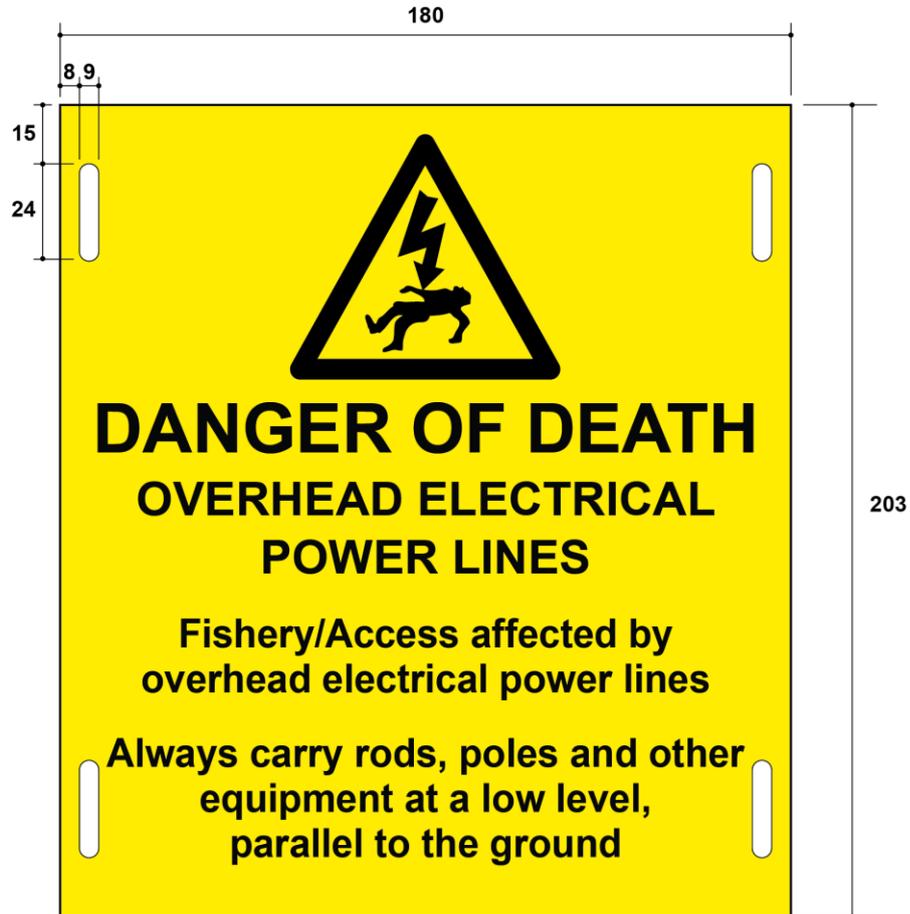
Change information for this issue
N/A

Appears in
ES400N1
CP430 Pt 1



I-400N1-NOTE-028 Iss 1 sht 1 of 1

Scale: nts Auth: DMT Date: 11/8/2016



THE COLOURS USED ABOVE ARE REPRESENTATIVE ONLY:
THE ACTUAL COLOURS USED ON THE NOTICE SHALL COMPLY WITH
BS ISO 3864-1 AND BS ISO 3864-4

MATERIAL: POLYCARBONATE

- PREPARATION:
1. THIS NOTICE SHALL COMPLY WITH THE REQUIREMENTS OF BS ISO 3864-1, BS ISO 3864-4 AND THE HEALTH AND SAFETY (SAFETY SIGNS AND SIGNALS) REGULATIONS
 2. HEIGHT OF LETTERING TO BE MAXIMUM PERMISSIBLE WITHIN THE CONSTRAINTS OF OVERALL DIMENSIONS AND ABOVE REGULATIONS
 3. LETTERING SHALL NOT BE OBSCURED BY HOLES

COMMODITY CODE 995221

NOTICE
FISHING SAFETY
(WARNING)

Change information for this issue
N/A

Appears in
ES400N1
CP430 Pt 1

**Electricity
north west**

I-400N1-NOTE-029 Iss 1 sht 1 of 3

Scale: nts Auth: DMT Date: 11/8/2016



THE COLOURS USED ABOVE ARE REPRESENTATIVE ONLY:
THE ACTUAL COLOURS USED ON THE NOTICE SHALL COMPLY WITH
BS ISO 3864-1 AND BS ISO 3864-4

MATERIAL: POLYCARBONATE

- PREPARATION:
1. THIS NOTICE SHALL COMPLY WITH THE REQUIREMENTS OF BS ISO 3864-1, BS ISO 3864-4 AND THE HEALTH AND SAFETY (SAFETY SIGNS AND SIGNALS) REGULATIONS
 2. HEIGHT OF LETTERING TO BE MAXIMUM PERMISSIBLE WITHIN THE CONSTRAINTS OF OVERALL DIMENSIONS AND ABOVE REGULATIONS
 3. LETTERING SHALL NOT BE OBSCURED BY HOLES

COMMODITY CODE 128760

NOTICE
FISHING SAFETY
(EXCLUSION ZONE)

Change information for this issue
N/A

Appears in
ES400N1
CP430 Pt 1

**electricity
north west**

I-400N1-NOTE-029 Iss 1 sht 2 of 3

Scale: nts Auth: DMT Date: 11/8/2016

180

203

DANGER OF DEATH
**Overhead electrical
power lines**
No Fishing

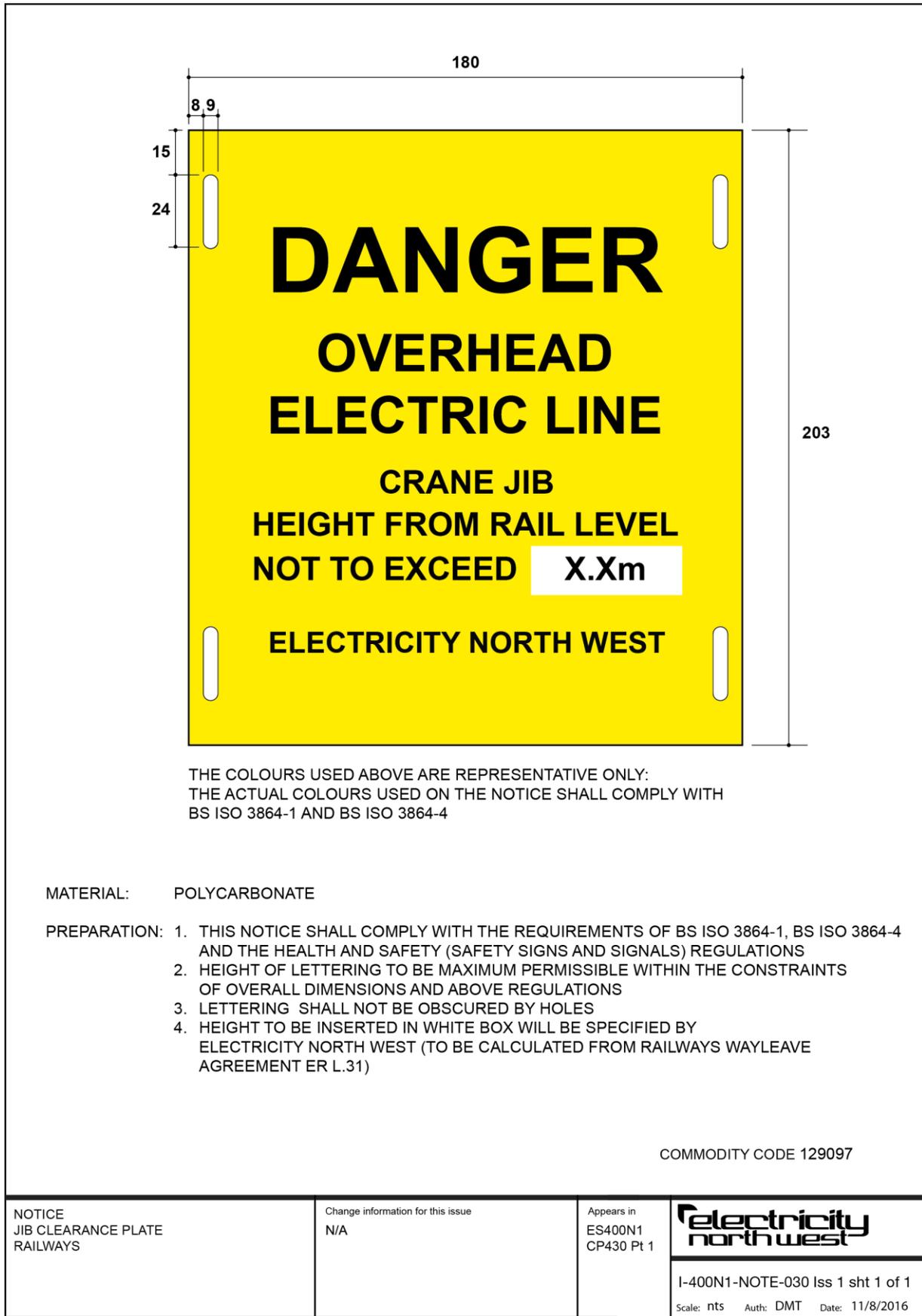
THE COLOURS USED ABOVE ARE REPRESENTATIVE ONLY:
THE ACTUAL COLOURS USED ON THE NOTICE SHALL COMPLY WITH
BS ISO 3864-1 AND BS ISO 3864-4

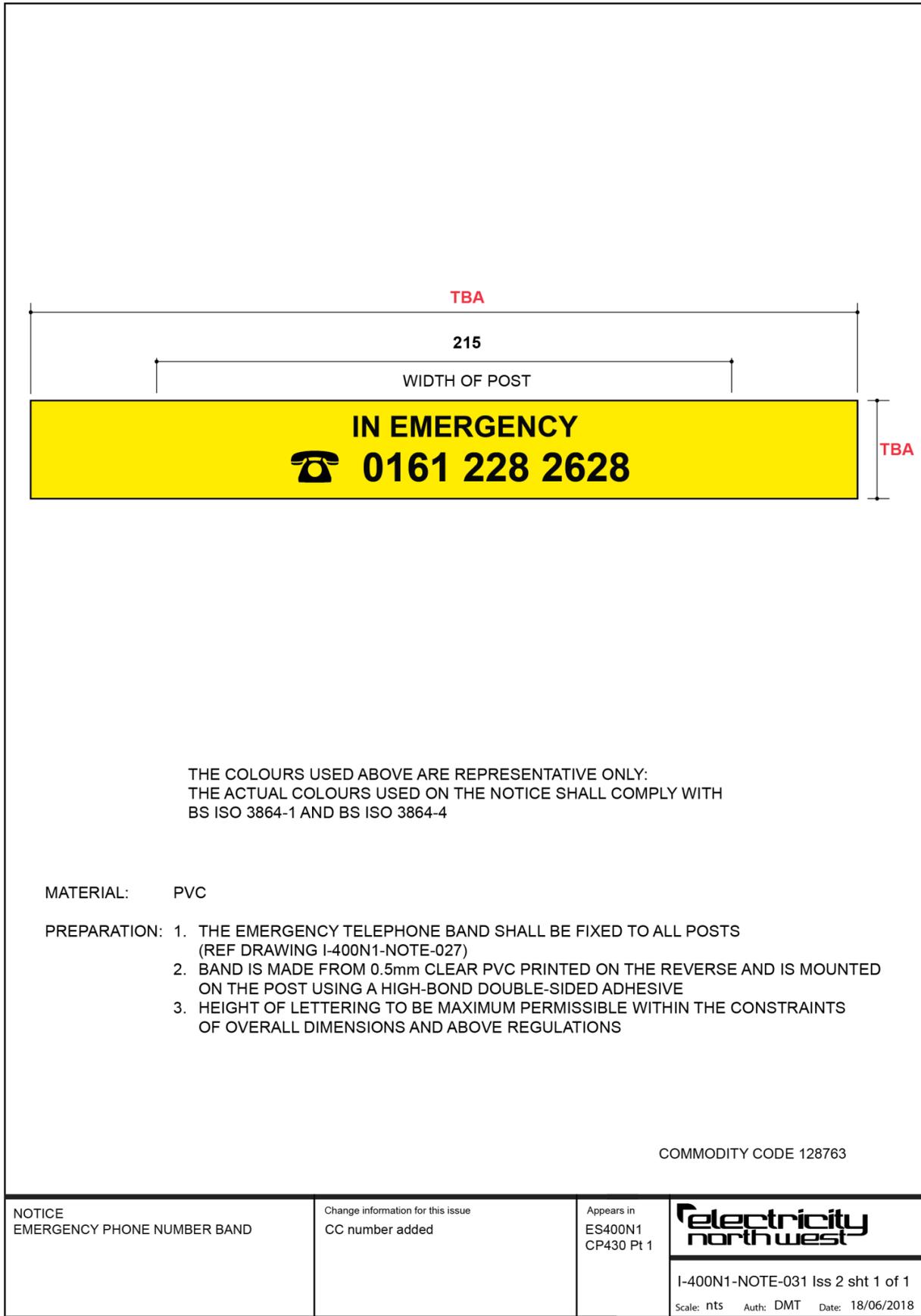
MATERIAL: POLYCARBONATE

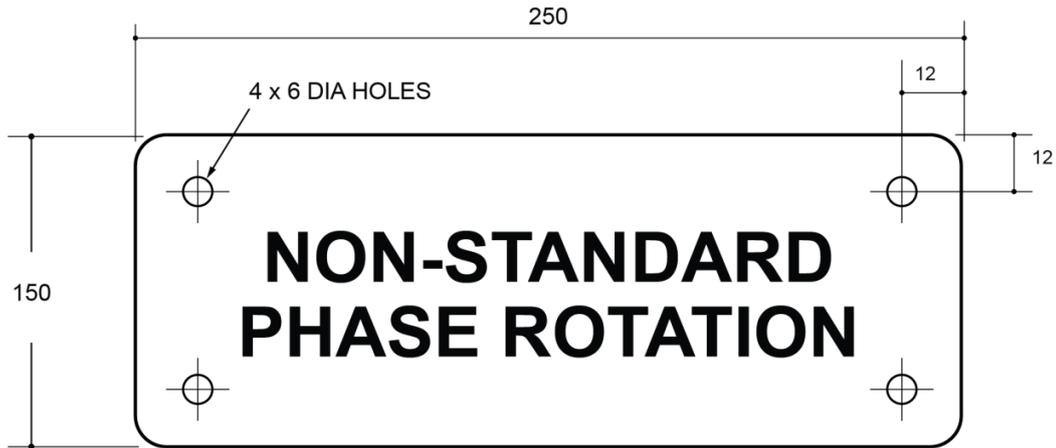
PREPARATION: 1. THIS NOTICE SHALL COMPLY WITH THE REQUIREMENTS OF BS ISO 3864-1, BS ISO 3864-4 AND THE HEALTH AND SAFETY (SAFETY SIGNS AND SIGNALS) REGULATIONS
2. HEIGHT OF LETTERING TO BE MAXIMUM PERMISSIBLE WITHIN THE CONSTRAINTS OF OVERALL DIMENSIONS AND ABOVE REGULATIONS
3. LETTERING SHALL NOT BE OBSCURED BY HOLES

COMMODITY CODE 128762

NOTICE FISHING SAFETY (PROHIBITION)	Change information for this issue N/A	Appears in ES400N1 CP430 Pt 1
I-400N1-NOTE-029 Iss 1 sht 3 of 3		
Scale: nts Auth: DMT Date: 11/8/2016		







- MATERIAL:**
1. 16 SWG ALUMINIUM
 2. PRE-CURVED TO 150MM RADIUS

- PREPARATION:**
1. TEXT TO BE DIE-PRESSED
 2. BOTH SIDES DE-GREASED AND ETCH-PRIMED
 3. REVERSE STOVE ENAMELLED GREY
 4. FRONT STOVE ENAMELLED WHITE
 5. TEXT STOVE ENAMEL ROLLER-COATED IN BLACK
 6. OVER LAQUERED WITH CLEAR STOVE ENAMEL FOR ADDED PROTECTION
 7. TEXT TO COVER APPROXIMATE PROPORTION OF NOTICE SHOWN ABOVE

COMMODITY CODE 128764

NOTICE
NON-STANDARD PHASE ROTATION
(WOOD POLES)

Change information for this issue
CC number added

Appears in
ES400N1
CP430 Pt 1



I-400N1-NOTE-032 Iss 2 sht 1 of 1

Scale: nts Auth: DMT Date: 18/06/2018

Appendix B – Conformance Declaration

SECTION-BY-SECTION CONFORMANCE WITH SPECIFICATION

The Tenderer shall declare conformance or otherwise for each product/service or range of products/services, section-by-section, using the following Conformance Declaration Codes.

Conformance Declaration Codes:

N/A =	Clause is not applicable/appropriate to the product/service.
C1 =	The product/service conforms fully with the requirements of this clause.
C2 =	The product/service conforms partially with the requirements of this clause.
C3 =	The product/service does not conform to the requirements of this clause.
C4 =	The product/service does not currently conform to the requirements of this clause, but the manufacturer proposes to modify and test the product in order to conform.

Manufacturer:

Product/Service Description:

Product/Service Reference:

Name:

Company:

Signature:

SECTION-BY-SECTION CONFORMANCE

Section	Section Topic	Conformance Declaration Code	Remarks * (must be completed if code is not C1)
4.1	Product not to be Changed		
4.2	Electricity North West Technical Approval		
4.3	Quality Assurance		
4.4	Formulation		
4.5	Identification Markings		
4.6	Minimum Life Expectancy		
4.7	Product Conformity		
4.8	Confirmation of Conformance		
5.1	Requirements for Type Tests at the Supplier's Premises		
5.2	Requirement for Routine Tests at the Supplier's Premises		
6.1	General Information		
6.2	Materials/Preparation		
6.2.1	Type A (Wood-Pole-Only Notices): Printed Aluminium		
6.2.2	Type B (Wood-Pole-Only Notices): Embossed Aluminium		
6.2.3	Type C (Wood-Pole-Only Notices): Bonded Laminate of Plastic with Plastic Core		

6.2.4	Type D (Steel Tower Notices): Steel Plate		
6.2.6	Type Polycarb (Polycarbonate Marker Posts and Notices)		
6.2.7	PVC Bands		
6.2.8	Notices Carrying the Electricity North West Logo		
6.3	Fixings		
6.4	Packaging		
Appendix A	Notices, Nameplates and Marker Posts – Overhead Lines: Specific Requirements		

* Applicable specifications shall be stated in the Remarks column where alternatives are quoted within a section. The Remarks column shall also be used to indicate cases where the products or services exceed the quoted specifications.

Additional Notes: