

New Mini Pillar

From 1 August 2017 a new 'mini pillar - rectangular' ('rectangular pillar') will replace the existing 'mini pillar - dome' ('dome') as the standard mini pillar.

Changes to the Electricity (Network Safety) Regulations in 2015 required Western Power to update the specifications for mini pillars. The new 'rectangular pillar' meets the standards, and is consistent with the pillar utilised in other localities across Australia.

The new pillar will be used for all installations from 1 August, and the replacement of 'domes' where the base or circuit board is damaged. Where an existing 'dome' lid-only is damaged, replacement lids will be available.

Functional and technical differences include:

- Vertical access to lid bolts for easier access
- Two additional neutral/earth connection terminals
- Provision for (up to) 3 red spot fuses
- LV board will be available separately and will have separate stock codes
- Larger underground footprint, but exclusion zones are unchanged.

The following specification drawings provide clarification on the technical requirements of the design and installation of the new pillar. These drawings will be updated in the DDC and DCSH on 1 August 2017.

Images - Mini Pillars

Dome



Rectangular



Rectangular – Internal



Frequently Asked Questions – New Mini Pillar

Q. Where should the pillar be located?

A. Pillars need to be located at the junction of the front and common boundaries.

Q. Which way does the 'rectangular pillar' face?

A. The narrow face/side of the pillar should face and be parallel to the road. Customer cables inside the pillar should exit the connection points on the board in the direction closest to the customer premises. See Specifications below: Mini Pillar - Rectangular – Installation Guide.

Q. What if my design is based on the 'dome' not the 'rectangular pillar'?

A. Where a design is approved and ready for construction, Western Power will install the 'rectangular pillar' from 1 August. In these situations, where the 'rectangular pillar' is not suitable due to design or construction constraints, the 'dome' may be installed – stock has been allocated to cover these instances.

Note: all new designs submitted to Western Power from 1 August 2017 date must incorporate the 'rectangular pillar'.

Q. What happens if an existing 'dome' gets damaged?

A. If the damage is superficial and only impacting the lid, Western Power will replace the lid like-for-like. If the base or board is damaged, the whole unit will be replaced with the 'rectangular pillar'.

Q. If I'm relocating a pillar will it be replaced with the new version?

A. A minor relocation may allow the existing style to be reused, typically however the 'rectangular pillar' will be installed for relocations subject to site conditions.

Q. What if I am part way through my development and I have used the 'dome' for the earlier stages?

A. The 'rectangular pillar' is required for all future stages regardless of which pillar was used initially.

Q. Why is it a different colour?

A. The new pillar is compliant and consistent with the standard in the rest of Australia.

Q. Can I paint it the same colour as the other ones?

A. No, it cannot be painted.

Q. Can I order it in the darker colour?

A. This unit is not available in any other colour.

Q. What is the difference in cost between the 'dome' and the 'rectangular pillar'?

A. The 'rectangular pillar' is approximately \$10 cheaper than the 'dome'; cost saving passed through to customers.

Q. How many connections will it facilitate?

A. The 'rectangular pillar' allows for 4 connections as a minimum on 3 phase supply (i.e. consumers, streetlights and other UMS) and up to 5 connections on a single phase supply.

Q. Is there provision to add additional circuit boards?

A. Yes, however this would constitute a non-standard design solution and would require approval from Western Power.

Q. How many red spot fuses can the board accommodate?

A. There is one red spot fuse on the main panel. There is facility for two additional red spot fuses if the optional attachment is installed. This attachment is available to order separately – FB0073.

Q. What is the maximum size of the consumer mains that can be terminated into the 'rectangular pillar'?

A. 35sq mm

Q. What tools are required to install the 'rectangular pillar'?

A. There is no change in the tools required to install the 'rectangular pillar'.

Q. Can I use the board from the 'dome' in the 'rectangular pillar'?

A. No, the boards are configured differently and are not suitable for use in the alternate pillar.

Q. Can I use the bolts from the 'dome' on the 'rectangular pillar'?

A. No, the new bolts are longer and of a different thread type.

Q. What is the size and weight?

A. As delivered: Maximum dimensions are 524 x 557 x 670mm (WLH) and weight is 1.6kg for the lid and 2.8kg for the base (total 4.4kgs).

Q. How much space does this Pillar take up.

A. Above ground dimensions: 260x390x400mm (WLH).

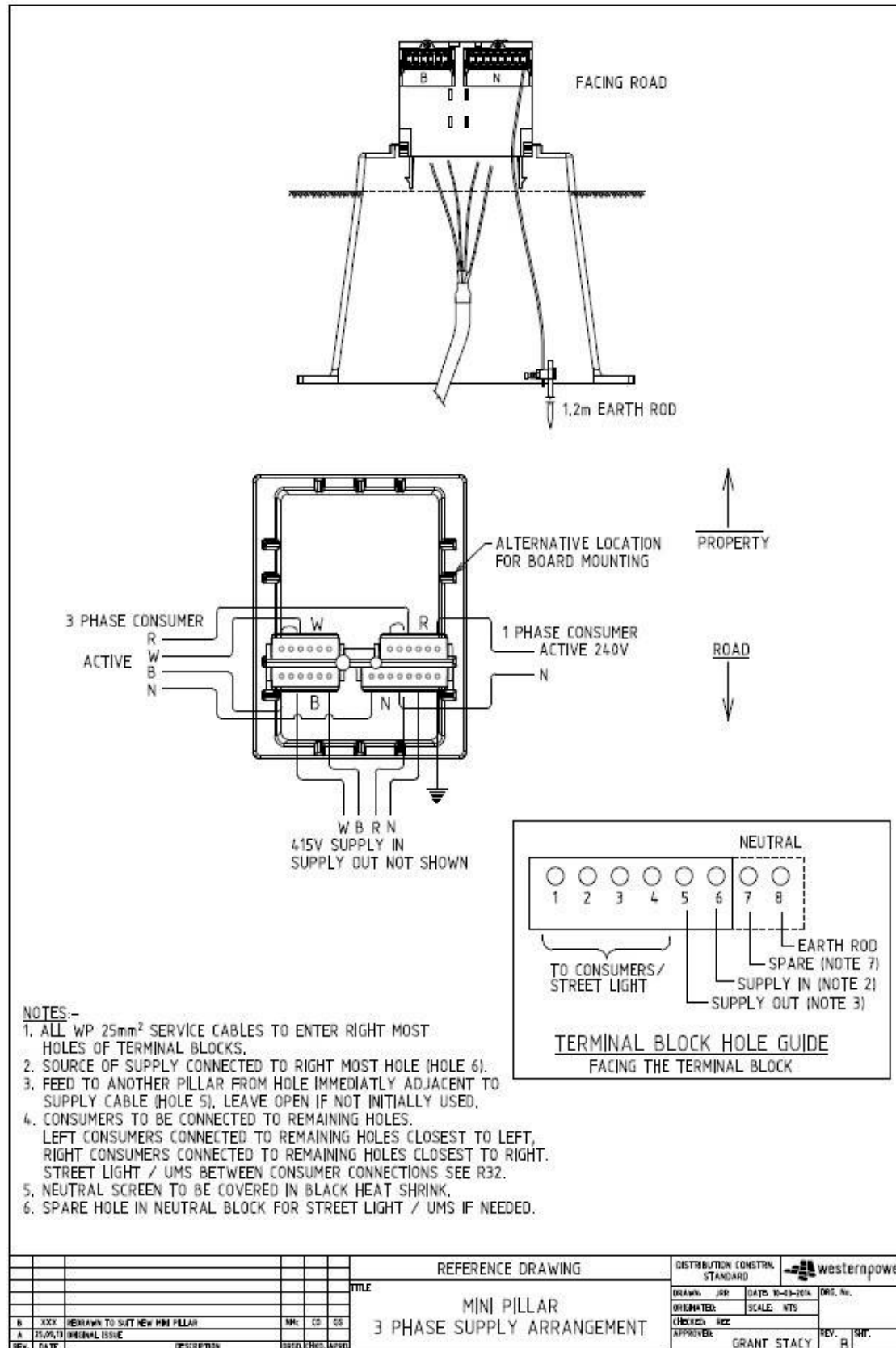
Q. What are the stock codes for ordering the Mini Pillars?

Product Description	Dome Stock Code	Rectangular Pillar Stock Code
Complete Mini Pillar (Lid, Base & Board)	FB0059*	-
Mini Pillar Lid Only	FB0058*	FB0070
Mini Pillar Base and Security Bolt Only	-	FB0071
Mini Pillar Lid and Base Only	FB0060*	-
Mini Pillar Board Only	-	FB0072
Mini Pillar Additional Fuse Mounting Kit Only	-	FB0073
Mini Pillar Security Bolt Only	FB0057	FB0074

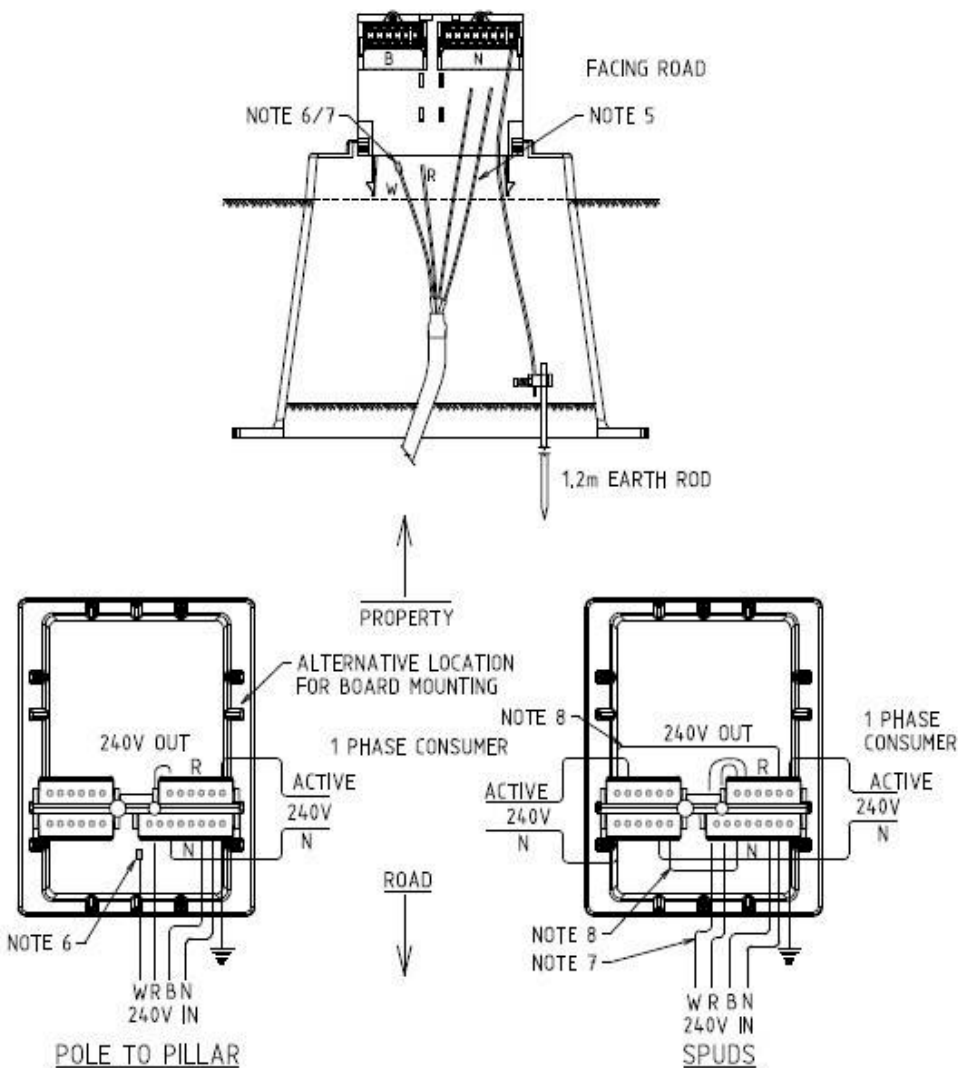
***Note:** These stock codes will be removed from the external sales price list from 1 August 2017.

Specifications

3 Phase Supply Connection Arrangement



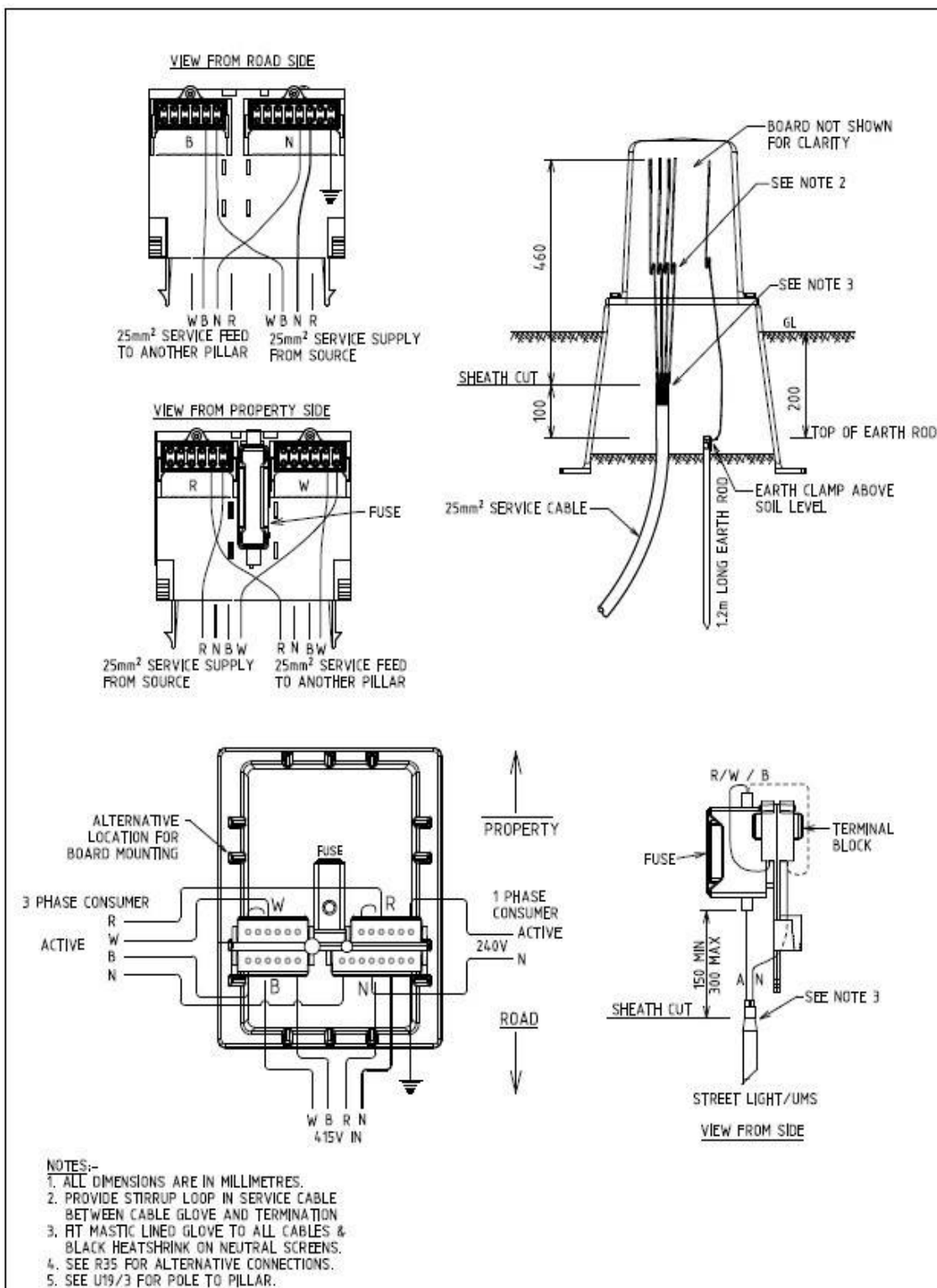
240v Supply Connection Arrangement



NOTES:

1. ALL WP 25mm² SERVICE CABLES TO ENTER RIGHT MOST HOLES OF TERMINAL BLOCKS.
2. SOURCE OF SUPPLY CONNECTED TO RIGHT MOST HOLES (HOLES 6&7).
3. FEED TO ANOTHER PILLAR FROM HOLES IMMEDIATELY ADJACENT TO SUPPLY CABLES (HOLES 4&5). LEAVE OPEN IF NOT INITIALLY USED.
4. CONSUMERS TO BE CONNECTED TO REMAINING HOLES.
LEFT CONSUMERS CONNECTED TO REMAINING HOLES CLOSEST TO LEFT.
RIGHT CONSUMERS CONNECTED TO REMAINING HOLES CLOSEST TO RIGHT.
STREET LIGHT / UMS BETWEEN CONSUMER CONNECTIONS SEE R32.
5. NEUTRAL SCREEN AND BLUE PHASE TO BE COVERED IN BLACK HEAT SHRINK.
6. WHITE PHASE CAPPED AT BOTH ENDS FOR POLE TO PILLAR APPLICATIONS WITH SINGLE TX (U19/3).
7. FOR SPUDS APPLICATIONS TO BE COVERED WITH RED HEAT SHRINK.
8. IF REQUIRED EXTEND ACTIVE AND NEUTRAL TERMINAL BLOCKS TO ADJACENT TERMINALS USING 25mm² JUMPER. LABEL TERMINAL BLOCKS ACCORDINGLY (ACTIVE & NEUTRAL). HEAT SHRINK JUMPERS ACCORDINGLY (RED - ACTIVE AND BLACK - NEUTRAL).

				REFERENCE DRAWING				DISTRIBUTION CONSTR. STANDARD		 westernpower					
				TITLE MINI PILLAR 240V SUPPLY FROM SPUDS OR POLE				DRAWN: JRR		DATE: 10-03-2014		DES. NO.			
								ORIGINATED:		SCALE: NTS					
C				REVISED TO SUIT NEW MIN PILLAR				CHK: CO		DS					
B				25.06.13 ORIGINAL ISSUE											
REV. DATE				DESCRIPTION				DRAWD. MOD. APPR.				REV. C		INT.	



STRUCTURE				DISTRIBUTION CONSTR. STANDARD		westernpower	
TITLE				DRAWN: JBR	DATE: 25-03-2014	DRG. No.	
MINI PILLAR INSTALLATION GUIDE				ORIGINATED:	SCALE: NTS		
				CHECKED: JBR			
				APPROVED:			
				GRANT STACY		REV. E	SAT.
REV.	DATE	DESCRIPTION	DRAWN	CHG.	APPROVED		
E	20/03/17	REVISED AS PER THE NEW MINI PILLAR	WPC	CO	GS		
D	20/03/17	TERMINATION DETAILS DELETED AND NOTES REVISED	CO	WPC	GS		
C	20/03/16	ORIGINAL ISSUE					