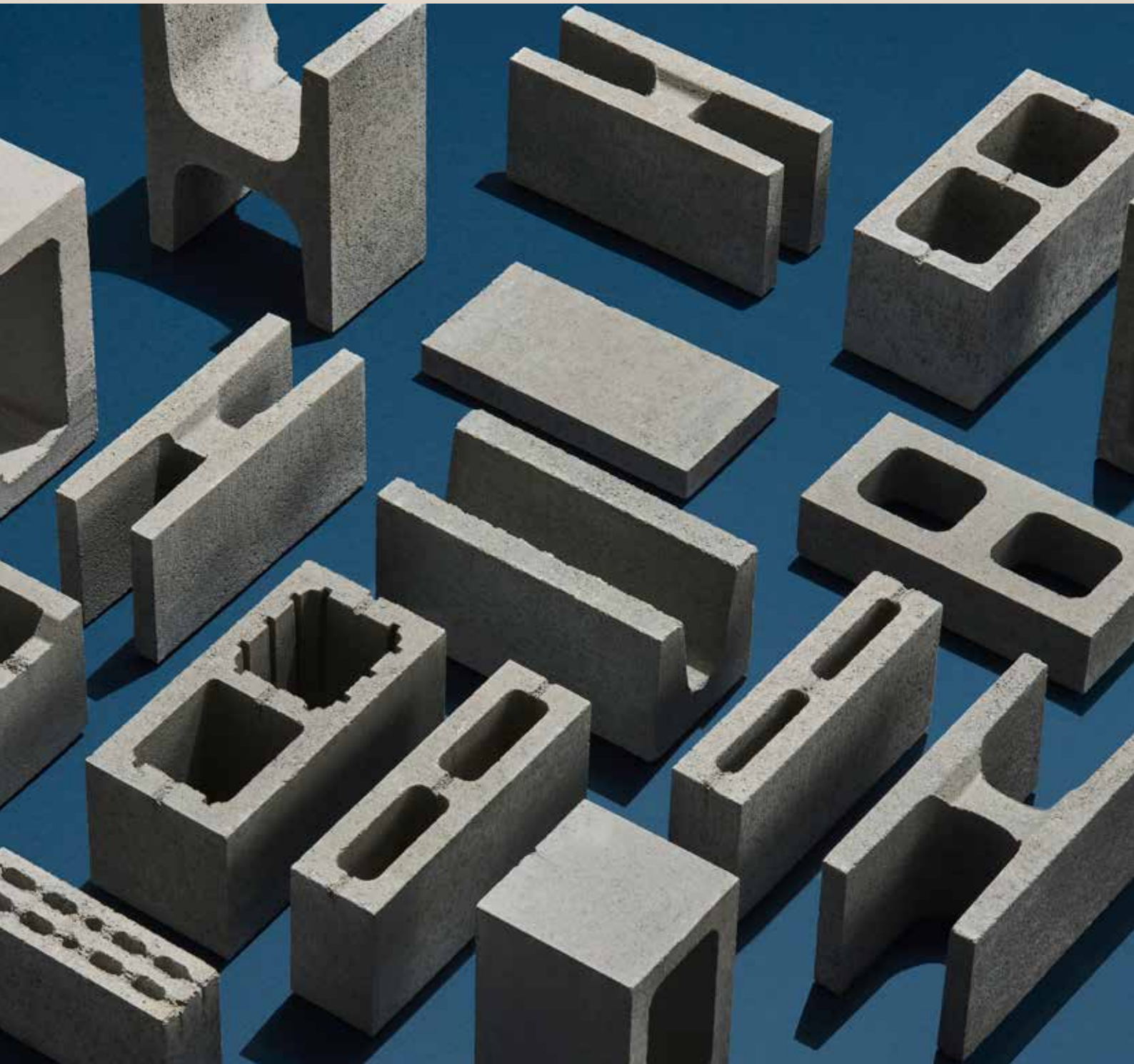


Grey Blocks

New South Wales



Grey Blocks Collection



Classic Range

[Go to page 04](#)

Strong, durable and all purpose
The Classic Range has been designed as all-purpose units to meet all your masonry site requirements. These masonry units are not only lightweight and load-bearing, but also achieve high fire and sound ratings.

- Classic**
- 100mm Width
 - 150mm Width
 - 200mm Width
 - 300mm Width

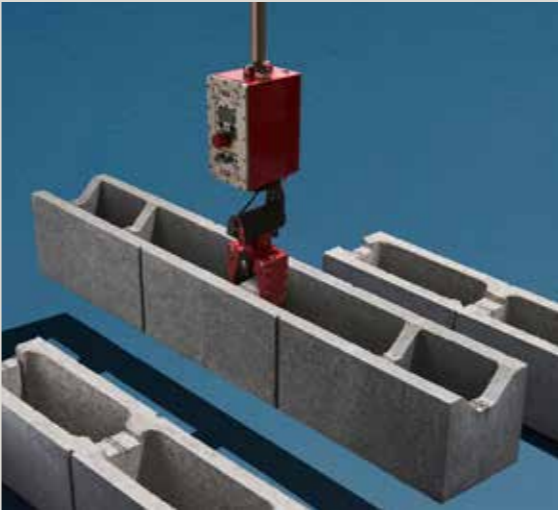


Classic 600 Range

[Go to page 10](#)

1.5x faster than standard grey blocks
The Classic 600 series provides the fastest way to build with masonry blocks. Longer format, lighter weight, reduced mortar usage and a better finish, its a smarter way to build in block. Comprised of the Ultralite mix, each block only weighs 12.5kg.

- Classic 600**
- 200mm Width



Machine Laid Range

[Go to page 12](#)

Increased laying speed
The Machine Laid Range is the fastest way to build with masonry blocks. With a longer format, lighter weight, reduced mortar requirement and better finish + the speed, efficiency and reduced injury on site thanks to the MULE Lifting Machine, it's a smarter way to build in block.

- Machine Laid 1200**
- 200mm Width

Classic Grey Blocks

The Classic Range has been designed as all-purpose units to meet all your masonry site requirements. These masonry units are not only lightweight and load-bearing, but also achieve high fire and sound ratings.

Classic Australite mix

Strong, durable and all purpose
The Classic grey masonry block series has been designed as all-purpose units to meet all your masonry site requirements. These masonry units are not only lightweight and load-bearing, but also achieve high fire and sound ratings.

- Available in:**
- 100mm Width
 - 120mm Width
 - 150mm Width
 - 200mm Width
 - 300mm Width
 - Commons

Classic 600 Ultralite mix








1.5x faster than standard grey blocks
The Classic 600 series provides a faster way to build with masonry blocks. Longer format, lighter weight, reduced mortar usage and a better finish, its a smarter way to build in block. Comprised of the Ultralite mix, each block only weighs 12.5kg.

- Available in:**
- 200mm Width





Classic Grey Blocks

100mm Width

| | Product | Size (mm) | Weight | Units per pallet | fuc (MPa) | Insulation FRL |
|--|----------------------------|-------------------|--------|------------------|-----------|----------------|
|  | 10.01 Full Hollow | 390L x 90W x 190H | 9.5kg | 180 | ≥15 | 120 |
|  | 10.02* Three Quarter | 290L x 90W x 190H | 6.9kg | 240 | ≥15 | 120 |
|  | 10.03 Half | 190L x 90W x 190H | 4.8kg | 360 | ≥15 | 120 |
|  | 10.34 Quarter Solid | 90L x 90W x 190H | 2.8kg | 432 | ≥15 | 120 |
|  | 10.71* Half Height | 390L x 90W x 90H | 4.5kg | 360 | ≥10 | 120 |
|  | 10.83 Half Height Solid | 390L x 90W x 90H | 5.5kg | 288 | ≥10 | 120 |
|  | 10.31 90mm Solid | 390L x 90W x 190H | 11.9kg | 144 | ≥10 | 120 |

120mm Width

| | Product | Size (mm) | Weight | Units per pallet | fuc (MPa) | Insulation FRL |
|---|------------------|--------------------|--------|------------------|-----------|----------------|
|  | 12.01 Full | 390L x 110W x 190H | 10.5kg | 150 | ≥15 | 120 |
|  | 12.01FL* Full | 390L x 110W x 190H | 8.2kg | 150 | ≥5 | 120 |

* These products are made to order. Lead times and min order qty applies.

Classic Grey Blocks

150mm Width

| | Product | Size (mm) | Weight | Units per pallet | fuc (MPa) | Insulation FRL |
|---|---------------------------------|--------------------|--------|------------------|-----------|------------------|
|  | 15.01 Full Hollow | 390L x 140W x 190H | 10.3kg | 144 | ≥15 | 120 |
|  | 15.02 Three Quarter | 290L x 140W x 190H | 7.8kg | 160 | ≥15 | 120 |
|  | 15.03 Half | 190L x 140W x 190H | 5.5kg | 240 | ≥15 | 120 |
|  | 15.22* Corner | 340L x 140W x 190H | 9.6kg | 135 | ≥15 | 120 |
|  | 15.49 Open End | 390L x 140W x 190H | 9.1kg | 144 | ≥15 | 120 when grouted |
|  | 15.12 Lintel | 390L x 140W x 190H | 13.5kg | 120 | ≥15 | 120 when grouted |
|  | 15.71* Half Height | 390L x 140W x 90H | 4.56kg | 240 | ≥15 | 120 |
|  | 15.83 Half Height Solid | 390L x 140W x 90H | 8.8kg | 192 | ≥10 | 120 |
|  | 15.421^ Recessed Web | 390L x 140W x 190H | 10.2kg | 144 | ≥15 | 120 |
|  | 15.48 H Block | 390L x 140W x 190H | 10.1kg | 144 | ≥15 | 120 |
|  | 15.401* 4 Hour Insulated FRL | 390L x 140W x 190H | 15.1kg | 144 | ≥10 | 240 |

* These products are made to order. Lead times and min order qty applies.

^ Note: 1 pallet contains 108 × 15.42 and 36 × 15.01

Classic Grey Blocks

200mm Width







| | Product | Size (mm) | Weight | Units per pallet | f _{uc} (MPa) | Insulation FRL |
|---|--|--|-----------------|------------------|-----------------------|------------------|
|  | 20.01 Full | 390L x 190W x 190H | 11.6kg | 108 | ≥15 | 120 |
|  | 20.02 Three Quarter | 290L x 190W x 190H | 10.10kg | 144 | ≥15 | 120 |
|  | 20.03 Half | 190L x 190W x 190H | 7.13kg | 180 | ≥15 | 120 |
|  | 20.12 Lintel or Bond Beam | 390L x 190W x 190H | 17.86kg | 72 | ≥15 | 120 |
|  | 20.71 Half Height Hollow | 390L x 190W x 90H | 6.5kg | 180 | ≥15 | 120 |
|  | 20.45 Cleanout Block | 390L x 190W x 190H | 12.2kg | 108 | ≥10 | 240 when grouted |
|  | 20.401 4 Hour Insulation FRL | 390L x 190W x 190H | 14.5kg | 108 | ≥10 | 240 |
|  | 20.421* Recessed Web | 390L x 190W x 190H | 11.6kg | 108 | 15 | 240 when grouted |
|  | 20.91* Double U Block | 390L x 190W x 190H | 10.4kg | 108 | ≥15 | 240 when grouted |
|  | 20.48 'H' Block | 390L x 190W x 190H | 10.8kg | 108 | ≥15 | 240 when grouted |
|  | 20.93 Half End | 190L x 190W x 190H | 4.7kg | 180 | ≥15 | 240 when grouted |
|  | 20.49 Corner & End | 390L x 190W x 190H | 13.9kg | 108 | ≥15 | 240 when grouted |
|  | 20.96 & 10.34** C Block Clean Out **sold separately | 390L x 190W x 190H 90L x 90W x 190H | 11.6kg 2.8kg | 108 432 | ≥15 ≥15 | 240 when grouted |
|  | 50.31 190 Capper | 390L x 190W x 50H - with bevel | 7.4kg | 216 | - | - |
|  | 50.45 Biscuit and Spring | 300L x 40W x 190H | 4.5kg | 384 | ≥15 | - |

Classic Grey Blocks

300mm Width

| | Product | Size (mm) | Weight | Units per pallet | f _{uc} (MPa) | Insulation FRL |
|---|--|---|-----------------|------------------|-----------------------|------------------|
|  | 30.48 'H' Block | 390L x 290W x 190H | 14kg | 72 | ≥15 | 240 when grouted |
|  | 30.92 Open End | 390L x 290W x 190H | 16.2kg | 72 | ≥15 | 120 |
|  | 20.96 & 10.03** Clean Out **sold separately | 390L x 190W x 190H 190L x 90W x 190H | 11.6kg 4.2kg | 108 360 | ≥15 ≥15 | 240 when grouted |

Commons

| | Product | Size (mm) | Weight | Units per pallet | f _{uc} (MPa) | Insulation FRL |
|---|----------------------|--------------------|--------|------------------|-----------------------|----------------|
|  | Common* | 230L x 110W x 76H | 4.1kg | 500 | ≥10 | 180 |
|  | 90.162SG* | 290L x 90W x 162H | 6.6kg | 288 | ≥10 | 120 |
|  | 90.162FL* | 290L x 90W x 162H | 4.72kg | 288 | ≥10 | 120 |
|  | 11.119SG* | 230L x 110W x 119H | 4.5kg | 350 | ≥10 | 180 |
|  | 11.162SG* | 230L x 110W x 162H | 6.2kg | 250 | ≥5 | 120 |
|  | 11.162FL* Fire Light | 230L x 110W x 162H | 4.7kg | 300 | ≥5 | 120 |

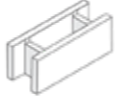
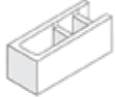

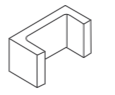
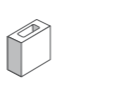


Classic 600 Grey Blocks

Lightweight and
1.5x times longer for
faster installation



Classic 600 Grey Blocks

Classic 600 and Components

| | Product | Size (mm) | Weight | Units per Pallet | f _{uc} (MPa) | Insulation FRL |
|---|--|--------------------|---------|------------------|-----------------------|------------------|
|  | 20.691 [^] Standard | 590L × 190W × 190H | 12.5kg | 60 [^] | ≥15 | 120 |
|  | 20.692 [^] Corner/End Unit | 590L × 190W × 190H | 14.3kg | 12 [^] | ≥15 | 120 |
|  | 20.49 Corner & End | 390L × 190W × 190H | 13.9kg | 108 | ≥15 | 240 when grouted |
|  | 20.96 C Block Clean Out | 390L × 190W × 190H | 11.6kg | 108 | ≥15 | 120 when grouted |
|  | 10.03 Half | 190L × 90W × 190H | 4.8kg | 360 | ≥15 | 120 |
|  | 20.93 Half End | 190L × 190W × 190H | 4.7kg | 180 | ≥15 | 120 |
|  | 20.02 Three Quarter | 290L × 190W × 190H | 10.10kg | 144 | ≥15 | 120 |

[^] 20.691 Standard and 20.692 Corner/End Unit are sold as a combination under code 20.619 with both sizes/formats delivered on one pallet. Note: 1 pallet contains 72 units = 60 of the standard block and 12 of the corner/end unit.

Machine Laid Grey Blocks

The Machine Laid Range is the fastest way to build with masonry blocks. With a longer format, lighter weight, reduced mortar requirement and better finish + the speed, efficiency and reduced injury on site thanks to the MULE Lifting Machine, it's a smarter way to build in block.

Machine Laid 1200

3x the length of standard grey blocks
The Machine Laid 1200 is 3x the length of a standard grey block and, when combined with machine laying, can dramatically increase speed of installation.

Available in:
• 200mm Width



Machine Laid Range Grey Blocks

Machine Laid 1200

| | Product | Size (mm) | Weight | Units per pallet | f _{uc} (MPa) | Insulation FRL |
|---|--------------------------|---------------------|--------|------------------|-----------------------|----------------|
|  | 20.1242* Channel | 1190L x 190W x 190H | 33kg | 30 | ≥27 | 120 |
|  | 20.1201* Corner / End | 1190L x 190W x 190H | 33kg | 6 | ≥27 | 120 |

*20.1242 Standard and 20.1201 Corner/End Unit are sold as a combination under code 20.1221 with both sizes/ formats delivered on one pallet. Note: 1 pallet contains 30x Channel and 6x Corner/End blocks.

Block and brick estimator

Block and Brick Estimator

| Type | Full Height | Half Height | Quarter Height | Standard Brick |
|-----------------------------------|--------------|-------------|----------------|----------------|
| Masonry unit face size (L x H mm) | 390 x 190 mm | 390 x 90 mm | 390 x 40 mm | 230 x 76 mm |
| No. units per m ² | 12.5 | 25 | 50 | 50 |

Material Quantities for 1m of Mortar

- For every 800 full height blocks (390 long x 190 high) or 64m² of wall approximately 1m³ of mortar mix is required, allowing for wastage.
- There are 12.5 full blocks per square metre of wall surface area.

Mortex Preblended Mortar

1 x 20kg bag will cover 10-12 x 100 and 200 Series Full Height Blocks.

M3 General Purpose Mortar

Mix in 1 : 1 : 6 proportions

| | |
|--------|--------------------------|
| Cement | 10 bags (20kg) |
| Lime | 5 bags (20kg each) |
| Sand | 1.0m ³ (1.4t) |

M4 Exposure Grade Mortar

Mix in 1 : 0.5 : 4.5 proportions

| | |
|--------|--------------------------|
| Cement | 13 bags (20kg each) |
| Lime | 3 bags (20kg each) |
| Sand | 1.0m ³ (1.4t) |

Grout for Core Filling

The correct grout specification (mix design) is critical to achieving the structural design of a reinforced wall. The grout used to fill the cores of blockwork walls should be specified as follow:

- Grout to comply with AS3700 Clause 10.7 Part 11.7.
- Characteristic Compressive Strength minimum 20MPa.
- Where grout is to provide protection to reinforcement, cement content shall be not less than 300kg/m³.
- Round aggregate (if any) not more than 10mm.
- Clean sand (1.2m³)
- A pouring consistency which ensures that the cores are completely filled and the reinforcement completely surrounded without segregation of the constituents.

Control Joints

Because of temperature variations and the shrinkage in a concrete masonry wall after construction, it is necessary to provide control joints in blockwork at a max spacing of 6m and at points of potential cracking, e.g. beside openings and at large steps in wall or footing.

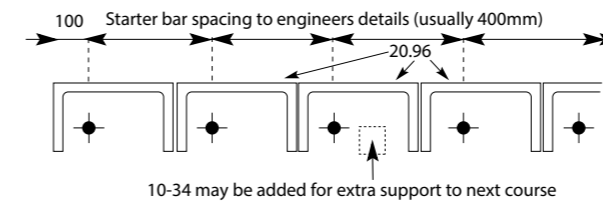
- Joint width is 10mm for panels up to 6000mm long.
- Joint sealants should be applied towards the end of construction to minimise the effect of panel movement.

Core Filling Quantities

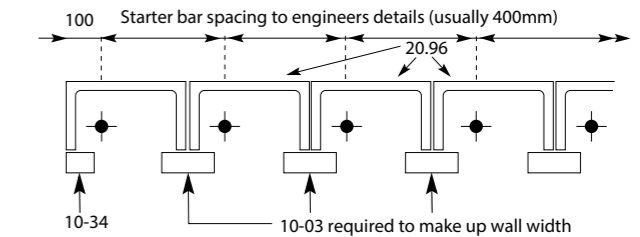
| Block Type | 1m ³ Grout |
|------------|-----------------------|
| 15.01 | 230 |
| 15.48 | 210 |
| 20.01 | 150 |
| 20.48 | 125 |
| 30.01 | 90 |
| 30.48 | 69 |

Starter bar spacing and corner details

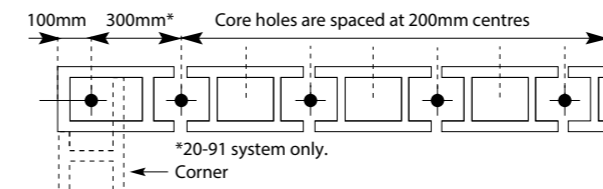
20.421 and 20.48 Clean Out Course Starter Bar Spacing



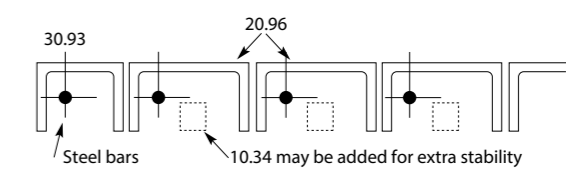
30.48 Clean Out Course Starter Bar Spacing



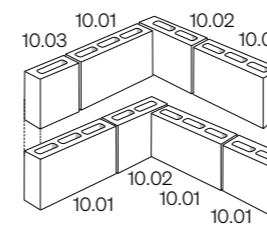
20.91 / 20.619 Starter Bar Spacing



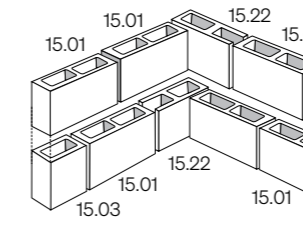
20.91 Clean Out Course



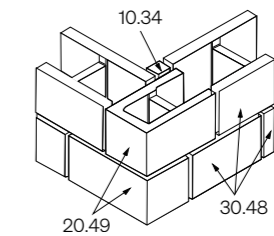
Corner Details 100 Series



Corner Details 150 Series



Corner Details 300 Series



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