



Generic Engineering

Please Note*

Engineering is of a general nature and should be used as a guide only. Please consult your design/engineering professional for project specific information.

PENTABLOCK DESIGN SUMMARY

| 160 PENTABLOCK RETAINING WALLS | | | | |
|--------------------------------|--------------------|------------------------|--------------------------|----------------|
| RETAINING HEIGHT | STARTER BARS | VERTICAL REINFORCEMENT | HORIZONTAL REINFORCEMENT | FOOTING SIZE |
| 450 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 400 x 300 MIN |
| 600 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 500 x 300 MIN |
| 750 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 600 x 300 MIN |
| 900 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 750 x 300 MIN |
| 1050 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 900 x 300 MIN |
| 1200 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 1000 x 300 MIN |
| 1350 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 1150 x 300 MIN |

| 190 PENTABLOCK RETAINING WALLS | | | | |
|--------------------------------|--------------------|------------------------|--------------------------|----------------|
| RETAINING HEIGHT | STARTER BARS | VERTICAL REINFORCEMENT | HORIZONTAL REINFORCEMENT | FOOTING WIDTH |
| 1400 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 1100 x 300 MIN |
| 1600 | N12 BARS @ 180 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 1300 x 300 MIN |
| 1800 | N12 BARS @ 180 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 1400 x 300 MIN |

| 2500 HIGH 160 PENTABLOCK GATE PILLAR DESIGN - 200 KG GATE - 4.5m SINGLE OPENING | | | | | |
|---|-------------------|--------------|------------------------|--------------------------|-----------------------|
| PILLAR HEIGHT | GATE POROSITY (%) | STARTER BARS | VERTICAL REINFORCEMENT | HORIZONTAL REINFORCEMENT | FOOTING SIZE |
| 2500 | 50 (SOLID) | 5/N16 BARS | 5/N16 BARS | N12 BARS @ 450 CRS | 1700 x 1700 x 400 MIN |
| 2500 | 75 (SOLID) | 5/N16 BARS | 5/N16 BARS | N12 BARS @ 450 CRS | 1800 x 1800 x 400 MIN |

| 160 PENTABLOCK FENCE WALL DESIGN | | | | |
|----------------------------------|--------------------|------------------------|--------------------------|---------------|
| FENCE HEIGHT | STARTER BARS | VERTICAL REINFORCEMENT | HORIZONTAL REINFORCEMENT | FOOTING SIZE |
| 1200 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 500 x 400 MIN |
| 1500 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 600 x 400 MIN |
| 1800 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 700 x 400 MIN |
| 2100 | N12 BARS @ 360 CRS | N12 BARS @ 360 CRS | N12 BARS @ 450 CRS | 800 x 400 MIN |

| 2100 HIGH 160 PENTABLOCK FENCE PILLAR DESIGN | | | | |
|--|--------------|------------------------|--------------------------|---------------------|
| PILLAR HEIGHT | STARTER BARS | VERTICAL REINFORCEMENT | HORIZONTAL REINFORCEMENT | FOOTING SIZE |
| 2100 | 4/N16 BARS | 4/N16 BARS | N12 BARS @ 450 CRS | 800 x 800 x 400 MIN |

| 160 WIDE PENTABLOCK FIRE RATING | | | | |
|---------------------------------|---------------------|-----------|------------|-------------------|
| WIDTH | STRUCTURAL ADEQUACY | INTEGRITY | INSULATION | RESISTANCE PERIOD |
| 160 | OK (T.B.C) | OK | OK | 180 MINS |
| 190 | OK (T.B.C) | OK | OK | 240 MINS |

Pentablock can upon request provide a full design and engineering service.
Please contact info@pentablock.com.au

PENTABLOCK SYSTEM PROVIDES AN ALTERNATIVE SOLUTION TO TRADITIONAL REINFORCED BLOCKWORK APPLICATIONS, WITH THE BENEFIT OF REDUCED LABOUR COSTS, SHORTER CONSTRUCTION TIMES AS WELL AS GROUTING & STEEL FIXING ADVANTAGES.

FOUNDATION DESIGN IS BASED ON CLASS 1M SOIL CONDITIONS. FOOTINGS TO BE FOUNDED 100 MM INTO NATURAL CLAY SOILS, MINIMUM BEARING CAPACITY OF 100 kPa. MINIMUM CONCRETE STRENGTH OF THE FOOTING IS 25 MPa.

CONCRETE GROUT APPLIED TO THE 160 PENTABLOCK IS TO BE SMOOTH, COHESIVE & FREE FLOWING. THE MINIMUM STRENGTH TO BE 25 MPa. AS4678 - 2002.

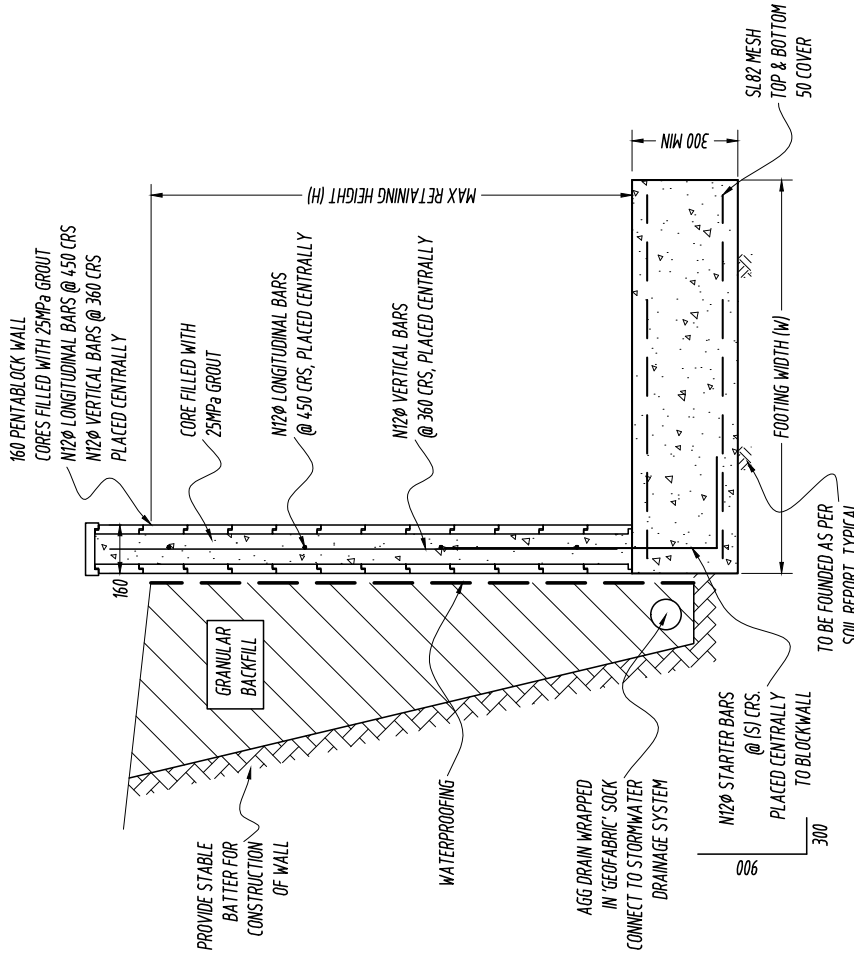
160 PENTABLOCK SYSTEM DESIGN IS BASED ON LIMIT STATE DESIGN IN ACCORDANCE WITH RELEVANT PARTS OF AS3600-2001, AS3700-2001 & AS4678-2002.

160 PENTABLOCK SYSTEM RELIES ON A STEEL REINFORCED, CONCRETE FILLED 160 WIDE PENTABLOCKS CONNECTED TO A REINFORCED CONCRETE BASE WITH STEEL STARTER BARS TO CREATE A STABLE STRUCTURE SUITABLE FOR BUILDING & LANDSCAPING APPLICATIONS INCLUDING RETAINING WALLS, BRICK PILLARS & FENCES.

PENTABLOCK CAN PROVIDE ENGINEERING SERVICE & DESIGN CERTIFICATION UPON REQUEST.

| 160 PENTA BLOCK RETAINING WALL SCHEDULE | |
|---|-------------------|
| RETAINING HEIGHT (H) | FOOTING WIDTH (W) |
| 450 | 400 |
| 600 | 500 |
| 750 | 600 |
| 900 | 750 |
| 1050 | 900 |
| 1200 | 1000 |
| 1350 | 1150 |

PLEASE NOTE:
INFORMATION PROVIDED SHOULD BE VIEWED AS A GUIDE ONLY.
IT IS RECOMMENDED THAT YOU OBTAIN APPROPRIATE PROFESSIONAL ADVICE AND DESIGN CERTIFICATION PRIOR TO COMMENCING WORKS.



TYPICAL 160 WIDE PENTABLOCK RETAINING WALL
NTS

| | |
|----------|----|
| DESIGNED | JD |
| DRAWN | JD |
| CHECKED | JD |
| APPROVED | JD |

PROJECT: 160 PENTABLOCK RETAINING WALL & DETAILS

IF IN DOUBT, THEN ASK

| | | | | |
|----------|------------|-------------|----------|------|
| DATE | SCALE | PROJECT NO. | DWG. NO. | REV. |
| MARCH 16 | A4 @ 1:100 | - | - | A |

| | |
|---------|--------------------------------|
| PROJECT | PENTABLOCK™ TECHNICAL BROCHURE |
| CLIENT | PENTABLOCK™ |



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WEBSITE: www.cgpa.com.au



190 PENTABLOCK WALL
CORES FILLED WITH 25MPa GROUT
N12Ø LONGITUDINAL BARS @ 450 CRS
N12Ø VERTICAL BARS @ 360 CRS
PLACED CENTRALLY

CORE FILLED WITH
25MPa GROUT

N12Ø LONGITUDINAL BARS
@ 450 CRS, PLACED CENTRALLY

N12Ø VERTICAL BARS
@ 360 CRS, PLACED CENTRALLY

190

300

300

MAX RETAINING HEIGHT (H)

FOOTING WIDTH (W)

SL82 MESH
TOP & BOTTOM
50 COVER

N12Ø STARTER BARS
@ 180 CRS,
PLACED CENTRALLY
TO BLOCKWALL

TO BE FOUNDED AS PER
SOIL REPORT, TYPICAL

WATERPROOFING

AGG DRAIN WRAPPED
IN 'GEO FABRIC' SOCK
CONNECT TO STORMWATER
DRAINAGE SYSTEM

PROVIDE STABLE
BATTER FOR
CONSTRUCTION
OF WALL

GRANULAR
BACKFILL

190 PENTABLOCK SYSTEM DESIGN IS BASED ON LIMIT STATE DESIGN IN ACCORDANCE WITH RELEVANT PARTS OF AS3600-2001, AS3700-2001 & AS4678-2002.

190 PENTABLOCK SYSTEM RELIES ON A STEEL REINFORCED, CONCRETE FILLED 190 WIDE PENTABLOCKS CONNECTED TO A REINFORCED CONCRETE BASE WITH STEEL STARTER BARS TO CREATE A STABLE STRUCTURE SUITABLE FOR BUILDING & LANDSCAPING APPLICATIONS INCLUDING RETAINING WALLS, BRICK PILLARS & FENCES

PENTABLOCK CAN PROVIDE ENGINEERING SERVICE & DESIGN CERTIFICATION UPON REQUEST.

PENTABLOCK SYSTEM PROVIDES AN ALTERNATIVE SOLUTION TO TRADITIONAL REINFORCED BLOCKWORK APPLICATIONS, WITH THE BENEFIT OF REDUCED LABOUR COSTS, SHORTER CONSTRUCTION TIMES AS WELL AS GROUTING & STEEL FIXING ADVANTAGES.

FOUNDATION DESIGN IS BASED ON CLASS 1M SOIL CONDITIONS. FOOTINGS TO BE FOUNDED 100 MIN INTO NATURAL CLAY SOILS, MINIMUM BEARING CAPACITY OF 100 kPa, MINIMUM CONCRETE STRENGTH OF THE FOOTING IS 25 MPa.

CONCRETE GROUT APPLIED TO THE 190 PENTABLOCK IS TO BE SMOOTH, COHESIVE & FREE FLOWING. THE MINIMUM STRENGTH TO BE 25 MPa. AS4678 - 2002.

| RETAINING HEIGHT (H) | STARTER BARS CRS (S) | FOOTING WIDTH (W) |
|----------------------|----------------------|-------------------|
| 1400 | N12Ø BARS @ 360 CRS | 1100 |
| 1600 | N12Ø BARS @ 180 CRS | 1300 |
| 1800 | N12Ø BARS @ 180 CRS | 1400 |

PLEASE NOTE:
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DESIGNED
JC

DRAWN
JC

CHECKED
JC

APPROVED
JC

PROJECT
PENTABLOCK™ TECHNICAL BROCHURE

CLIENT
PENTABLOCK™

DESIGNED
JC

DRAWN
JC

CHECKED
JC

APPROVED
JC

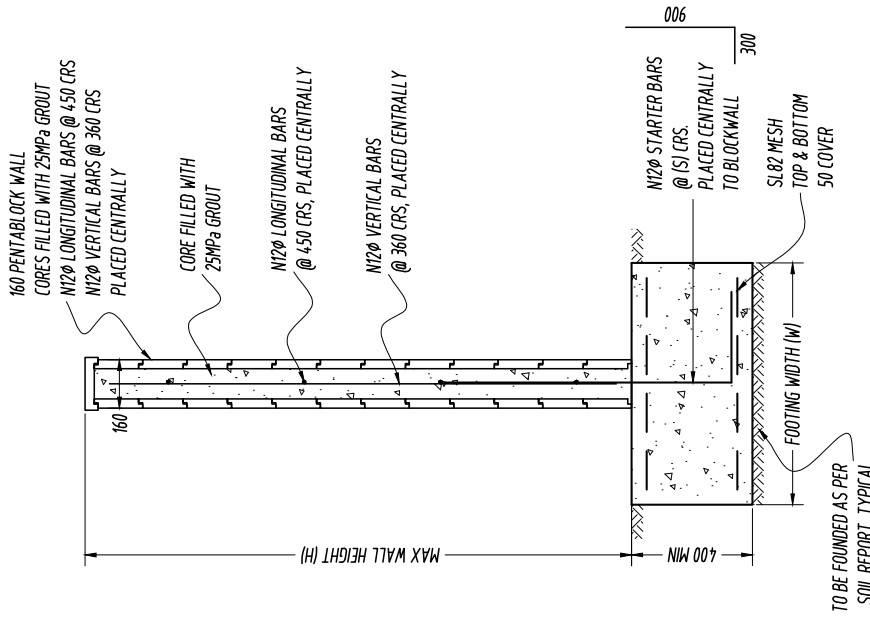
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A

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TYPICAL 160 WIDE PENTABLOCK FENCE WALL
NTS

160 PENTABLOCK SYSTEM DESIGN IS BASED ON LIMIT STATE DESIGN IN ACCORDANCE WITH RELEVANT PARTS OF AS3600-2001, AS3700-2001 & AS4678-2002.

160 PENTABLOCK SYSTEM RELIES ON A STEEL REINFORCED, CONCRETE FILLED 160 WIDE PENTABLOCKS CONNECTED TO A REINFORCED CONCRETE BASE WITH STEEL STARTER BARS TO CREATE A STABLE STRUCTURE SUITABLE FOR BUILDING & LANDSCAPING APPLICATIONS INCLUDING RETAINING WALLS, BRICK PILLARS & FENCES

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FOUNDATION DESIGN IS BASED ON CLASS 'M' SOIL CONDITIONS. FOOTINGS TO BE FOUND 100 MIN INTO NATURAL CLAY SOILS, MINIMUM BEARING CAPACITY OF 100 kPa. MINIMUM CONCRETE STRENGTH OF THE FOOTING IS 25 MPa.

CONCRETE GROUT APPLIED TO THE 160 PENTABLOCK IS TO BE SMOOTH, COHESIVE & FREE FLOWING. THE MINIMUM STRENGTH TO BE 25 MPa. AS4678 - 2002.

| 160 PENTABLOCK FENCE WALL SCHEDULE | | |
|------------------------------------|----------------------|-------------------|
| WALL HEIGHT (H) | STARTER BARS CRS (S) | FOOTING WIDTH (W) |
| 1200 | N12Ø BARS @ 360 CRS | 500 |
| 1500 | N12Ø BARS @ 360 CRS | 600 |
| 1800 | N12Ø BARS @ 360 CRS | 700 |
| 2100 | N12Ø BARS @ 360 CRS | 800 |

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WEBSITE: www.gagrimmond.com.au

PROJECT
PENTABLOCK™ TECHNICAL BROCHURE

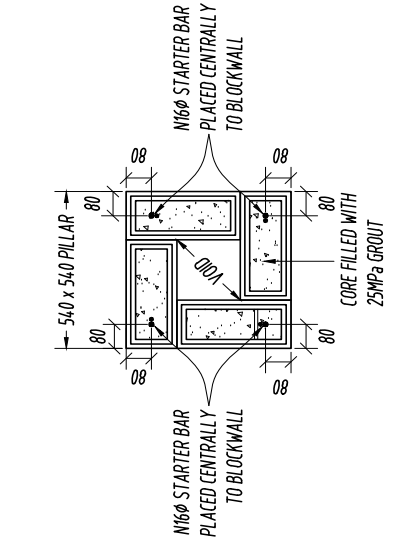
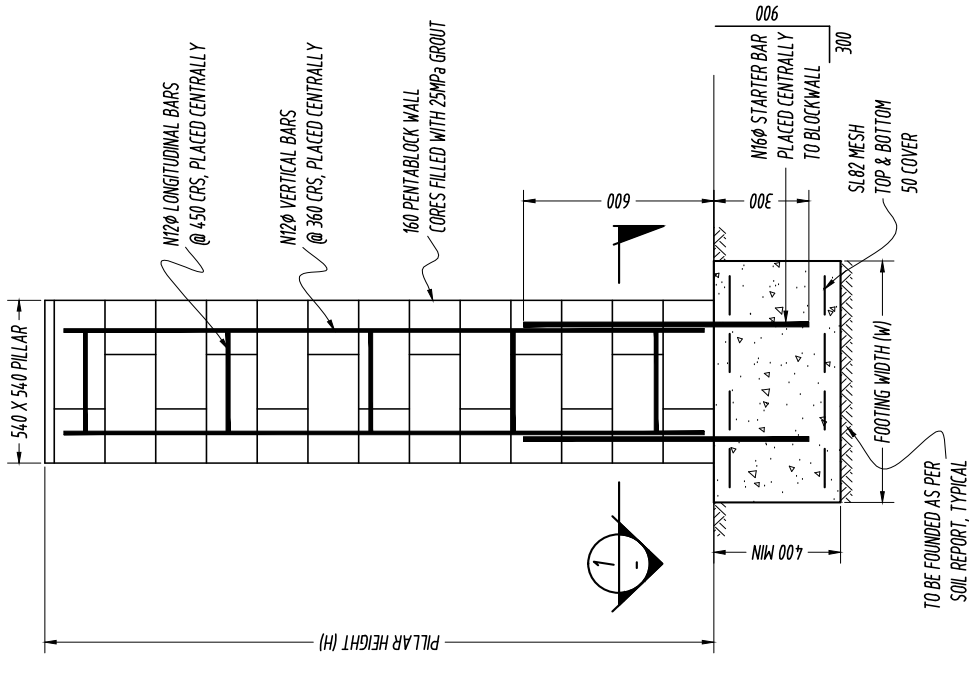
CLIENT
PENTABLOCK™

DRAWING
160 PENTABLOCK FENCE WALL & DETAILS

IF IN DOUBT, THEN ASK

| | | | |
|----------|----|----------|----|
| DESIGNED | JC | CHECKED | JC |
| DRAWN | JC | APPROVED | JC |

DATE: MARCH '16
SCALE: A4 @ 1:100
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TYPICAL SECTION
SCALE 1:20

| 160 PENTABLOCK FENCE PILLAR SCHEDULE | | |
|--------------------------------------|-----------------------|-------------------|
| PILLAR HEIGHT (H) | STARTER BARS CRS (S) | FOOTING WIDTH (W) |
| 2100 | 4-N16Ø BARS @ 360 CRS | 800 x 800 |

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FOUNDATION DESIGN IS BASED ON CLASS 4 SOIL CONDITIONS. FOOTINGS TO BE FOUNDED 100 MIN INTO NATURAL CLAY SOILS, MINIMUM BEARING CAPACITY OF 100 kPa. MINIMUM CONCRETE STRENGTH OF THE FOOTING IS 25 MPa.

CONCRETE GROUT APPLIED TO THE 160 PENTABLOCK IS TO BE SMOOTH, COHESIVE & FREE FLOWING. THE MINIMUM STRENGTH TO BE 25 MPa. AS4678 - 2002.

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| | | | |
|--|------------|-------------|---------|
| DRAWING | | | |
| 160 PENTABLOCK FENCE PILLAR & DETAILS | | | |
| IF IN DOUBT, THEN ASK | | | |
| DATE | SCALE | PROJECT NO. | DWG NO. |
| MARCH '16 | A4 @ 1:100 | - | - |
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| | | | |
|----------|-------|---------|----------|
| DESIGNED | DRAWN | CHECKED | APPROVED |
| JG | JG | JG | JG |

| | |
|---------|--------------------------------|
| PROJECT | PENTABLOCK™ TECHNICAL BROCHURE |
| CLIENT | PENTABLOCK™ |



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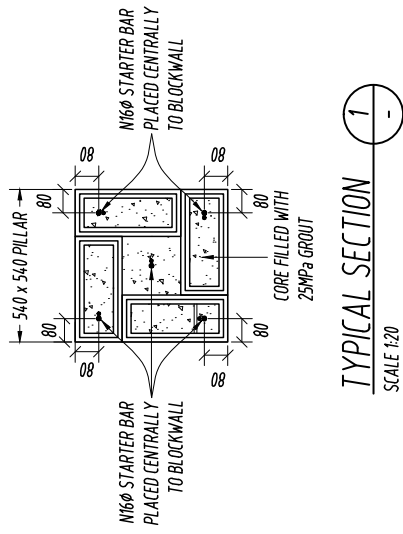
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CONCRETE GROUT APPLIED TO THE 160 PENTABLOCK IS TO BE SMOOTH, COHESIVE & FREE FLOWING. THE MINIMUM STRENGTH TO BE 25 MPa. A54678 - 2002.

160 PENTABLOCK SYSTEM DESIGN IS BASED ON LIMIT STATE DESIGN IN ACCORDANCE WITH RELEVANT PARTS OF AS3600-2001, AS3700-2001 & A54678-2002.

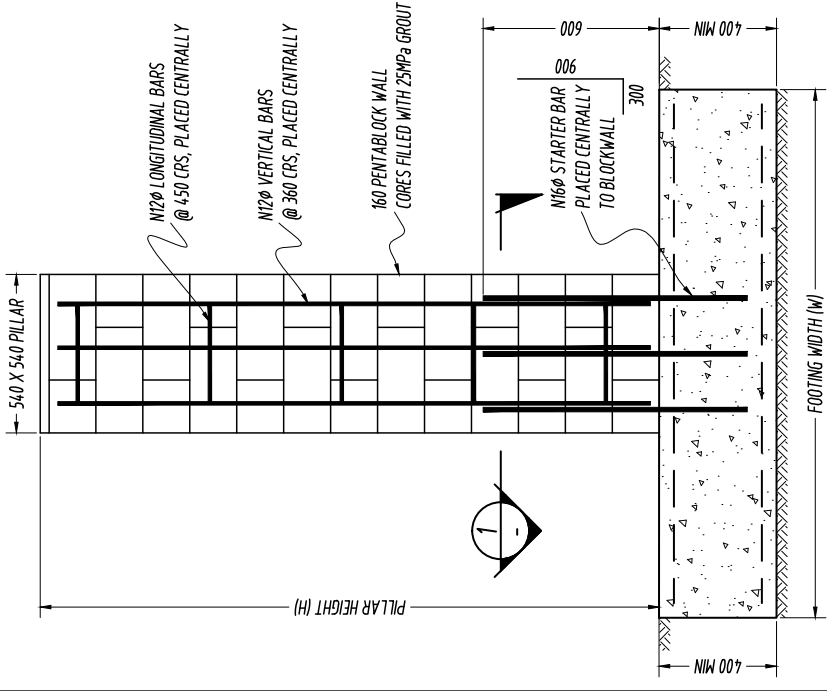
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| 160 PENTABLOCK GATE PILLAR SCHEDULE | | | |
|-------------------------------------|-------------------------|-----------------------|-------------------|
| PILLAR HEIGHT (H) | GATE POROSITY (% SOLID) | STARTER BARS CRS (S) | FOOTING WIDTH (W) |
| 2500 | 50 | 5/N160 BARS @ 360 CRS | 1700 x 1700 |
| 2500 | 75 | 5/N160 BARS @ 360 CRS | 1800 x 1800 |

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160 PENTABLOCK GATE PILLAR DESIGN HAS BEEN BASED ON A 200 KG GATE WITH A MAX SINGLE OPENING SPAN OF 4.5m & A VARYING GATE PANEL POROSITY. PREFER TYPICAL SCHEDULE



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PROJECT
PENTABLOCK™ TECHNICAL BROCHURE

CLIENT
PENTABLOCK™

DRAWING
160 PENTABLOCK GATE PILLAR

IF IN DOUBT, THEN ASK

| | | | | |
|-----------|------------|-------------|---------|------|
| DATE | SCALE | PROJECT NO. | DWG NO. | REV. |
| MARCH '16 | A4 @ 1:100 | - | 2/2 | A |

| | |
|----------|----|
| DESIGNED | JB |
| DRAWN | JB |
| CHECKED | JB |
| APPROVED | JB |

LOGO
Pentablock Engineering Company

160 PENTABLOCK SYSTEM RELIES ON A STEEL REINFORCED, CONCRETE FILLED 160 WIDE PENTABLOCKS CONNECTED TO A REINFORCED CONCRETE BASE WITH STEEL STARTER BARS TO CREATE A STABLE STRUCTURE SUITABLE FOR BUILDING & LANDSCAPING APPLICATIONS INCLUDING RETAINING WALLS, BRICK PILLARS & FENCES

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FOUNDATION DESIGN IS BASED ON CLASS 'M' SOIL CONDITIONS. FOOTINGS TO BE FOUNDED 100 MIN INTO NATURAL CLAY SOILS, MINIMUM BEARING CAPACITY OF 100 kPa. MINIMUM CONCRETE STRENGTH OF THE FOOTING IS 25 MPa.

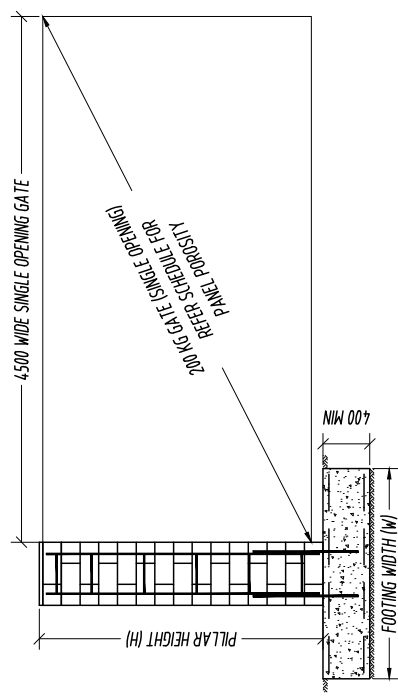
160 PENTABLOCK GATE PILLAR DESIGN HAS BEEN BASED ON A 200 KG GATE WITH A MAX SINGLE OPENING SPAN OF 4.5m & A VARYING GATE PANEL POROSITY REFER TYPICAL SCHEDULE.

CONCRETE GROUT APPLIED TO THE 160 PENTABLOCK IS TO BE SMOOTH, COHESIVE & FREE FLOWING. THE MINIMUM STRENGTH TO BE 25 MPa. AS4678 - 2002.

160 PENTABLOCK SYSTEM DESIGN IS BASED ON LIMIT STATE DESIGN IN ACCORDANCE WITH RELEVANT PARTS OF AS3600-2001, AS3700-2001 & AS4678-2002.

PENTABLOCK CAN PROVIDE ENGINEERING SERVICE & DESIGN CERTIFICATION UPON REQUEST.

DESIGN WIND SPEED 'N3' = 45 m/s



TYPICAL 160 WIDE PENTABLOCK GATE PILLAR
NTS

| 160 PENTABLOCK GATE PILLAR SCHEDULE | | | |
|-------------------------------------|---------------------------|-----------------------|-------------------|
| PILLAR HEIGHT (H) | GATE POROSITY (SOLID) (%) | STARTER BARS CRS (S) | FOOTING WIDTH (W) |
| 2500 | 50 | 5/N16@ BARS @ 360 CRS | 1700 x 1700 |
| 2500 | 75 | 5/N16@ BARS @ 360 CRS | 1800 x 1800 |

PLEASE NOTE:
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RESIGNED
JG
DRAWN
JG
CHECKED
JG
APPROVED
JG

DRAWING
160 PENTABLOCK GATE PILLAR

IF IN DOUBT, THEN ASK

SCALE: A4 @ 1:100

DATE: MARCH '16

PROJECT NO.: -

DWG NO.: 1/2

REV.: A

PROJECT
PENTABLOCK™ TECHNICAL BROCHURE

CLIENT
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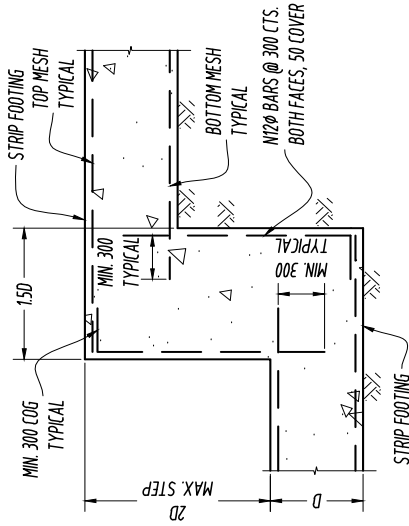
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SITE CLASSIFICATION TO BE DETERMINED IN ACCORDANCE WITH AS 2870-2011. REFER SOIL REPORT FOR RECOMMENDED STRIP FOOTING FOUNDING REQUIREMENTS.

PENTABLOCK CAN PROVIDE ENGINEERING SERVICE & DESIGN CERTIFICATION UPON REQUEST.

STRIP FOOTING SPECIFICATIONS TO BE IN ACCORDANCE WITH AS 2870-2011. ENGAGE A GEOTECHNICAL ENGINEER TO UNDERTAKE A SOIL TEST AND PROVIDE FOUNDING RECOMMENDATIONS.



TYPICAL STEPPING OF STRIP FOOTING

N.T.S

| | | | |
|-----------------------|------------|---------------------------------------|----------------|
| DRAWING | | TYPICAL STRIP FOOTING STEPPING DETAIL | |
| IF IN DOUBT, THEN ASK | | | |
| DATE | SCALE | PROJECT NO. | DWG NO. / REV. |
| MAY '16 | A4 @ 1:100 | - | - / A |

| | | | |
|----------|-------|---------|----------|
| DESIGNED | DRAWN | CHECKED | APPROVED |
| JG | JG | JG | JG |

| | |
|---------|--------------------------------|
| PROJECT | PENTABLOCK™ TECHNICAL BROCHURE |
| CLIENT | PENTABLOCK™ |



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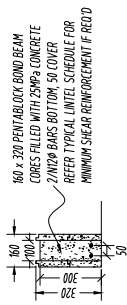
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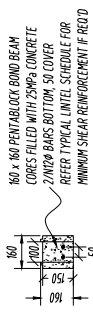
| 160 PENTABLOCK SINGLE STOREY LINTEL SCHEDULE MAXIMUM ROOF LOAD WIDTH (mm) - 3000 MAXIMUM WALL HEIGHT (mm) - 600 NOT SUPPORTING CONCENTRATED LOADS | | | |
|--|----------------------|------------|-------|
| SINGLE SPAN (mm) | BOND BEAM DIMENSIONS | | SHEAR |
| | DEPTH (mm) | WIDTH (mm) | |
| 900 | 150 | 100 | N/A |
| 1200 | 300 | 100 | N/A |
| 1800 | 300 | 100 | N/A |
| 2700 | 300 | 100 | N/A |
| 3600 | 300 | 100 | N/A |
| 4200 | 450 | 100 | N/A |
| 4800 | 600 | 100 | N/A |

| 160 PENTABLOCK SINGLE STOREY LINTEL SCHEDULE MAXIMUM ROOF LOAD WIDTH (mm) - 4000 MAXIMUM WALL HEIGHT (mm) - 600 NOT SUPPORTING CONCENTRATED LOADS | | | |
|--|----------------------|------------|-------|
| SINGLE SPAN (mm) | BOND BEAM DIMENSIONS | | SHEAR |
| | DEPTH (mm) | WIDTH (mm) | |
| 900 | 150 | 100 | N/A |
| 1200 | 300 | 100 | N/A |
| 1800 | 300 | 100 | N/A |
| 2700 | 300 | 100 | N/A |
| 3600 | 300 | 100 | N/A |
| 4200 | 450 | 100 | N/A |
| 4800 | 600 | 100 | N/A |

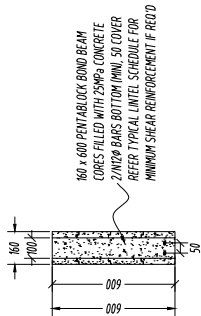
| 160 PENTABLOCK SINGLE STOREY LINTEL SCHEDULE MAXIMUM ROOF LOAD WIDTH (mm) - 5000 MAXIMUM WALL HEIGHT (mm) - 600 NOT SUPPORTING CONCENTRATED LOADS | | | |
|--|----------------------|------------|-------|
| SINGLE SPAN (mm) | BOND BEAM DIMENSIONS | | SHEAR |
| | DEPTH (mm) | WIDTH (mm) | |
| 900 | 150 | 100 | N/A |
| 1200 | 300 | 100 | N/A |
| 1800 | 300 | 100 | N/A |
| 2700 | 300 | 100 | N/A |
| 3600 | 300 | 100 | N/A |
| 4200 | 450 | 100 | N/A |
| 4800 | 600 | 100 | N/A |



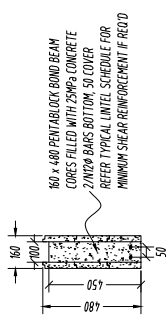
TYPICAL 150 (D) x 100 (W) LINTEL DETAIL
SCALE 1:20



TYPICAL 300 (D) x 100 (W) LINTEL DETAIL
SCALE 1:20



TYPICAL 450 (D) x 100 (W) LINTEL DETAIL
SCALE 1:20



TYPICAL 600 (D) x 100 (W) LINTEL DETAIL
SCALE 1:20

PLEASE NOTE:
INFORMATION PROVIDED SHOULD BE VIEWED AS A GUIDE ONLY.
IT IS RECOMMENDED THAT YOU OBTAIN APPROPRIATE PROFESSIONAL
ADVICE AND DESIGN CERTIFICATION PRIOR TO COMMENCING WORKS.

| | |
|-----------------------|--|
| DRAWING | TYPICAL 160 PENTABLOCK LINTEL SCHEDULE |
| DATE | MAY '16 |
| SCALE | A3 @ 1:100 |
| IF IN DOUBT, THEN ASK | |
| PROJECT NO. | - |
| DRAWN BY | - |
| REV | A |

| | |
|-------------|--------------------------------|
| DESIGNED BY | AS |
| DRAWN BY | AS |
| CHECKED BY | AS |
| APPROVED BY | AS |
| PROJECT | PENTABLOCK™ TECHNICAL BROCHURE |
| CLIENT | PENTABLOCK™ |

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| | | |
|-----|--------------------|------------|
| REV | DESCRIPTION | DATE |
| - | TECHNICAL BROCHURE | 13/05/2016 |