

Page No - Garage Working Drawings -

: P1	: Data Sheet
: P2	: Elevations & Floor Plans
: P3	: Section A-A
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: P8	: Door Anchor Positions
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: P10	: Health & Safety

* Denotes latest sheet revision

Rev: C02A*
Rev: B*
Rev: A
Rev: A
Rev:
Rev:
Rev: A
Rev:
Rev: A
Rev:

Relevant External Information To Be Read In Conjunction With This Garage :

Beam & Insulated Panel	Jablite	184333.19
Beam & Insulated Panel	Longleys Concrete	SG10-4
Suspended Slab	GRM	P7805 SG10-4
Roof Design	Harlow Timber Systems	P44612/SG10-4
Structural Calculations	JMS	SG10-4 C018/237/06

TOTAL FLOOR AREA - 290 Sq ft

Detailed Revision Description

Rev	Description	Date
C00A	Pages 8-10 added. Details updated and added.	05.07.18
C01	Group sign off.	01.08.18
C02	Sleeper wall and beam span added to floor plan. Sections changed to show beam & insulated panel floor. Garage threshold detail updated as per FN-01-05. Square footage amended.	22.10.19
C02A	Knockout panel added to elevations.	03.08.20

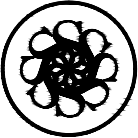
Trade Print Pages	
Joiner	P2, P3, P4, P5, P6, P7
Brick Layer	P2, P3, P4, P5, P6, P7, P8 & P10
Electrician	P2

Design Director Approval	
Signature: 	
Revision: C01	Date: 13.08.18

Bill of Quantities Sign Off	
Signature:	
Revision:	Date:

Operations Director Approval	
Signature:	
Revision:	Date:

P1



DAVIDSONS

Date: 03.08.20

Description: Refer to detailed description

Total Floor Area: 290 sq'ft

Rev: C02A

Garage Type: SG10-4 (Double Hipped Garage)

Description: Data Sheet

Project: -4 Group Garage

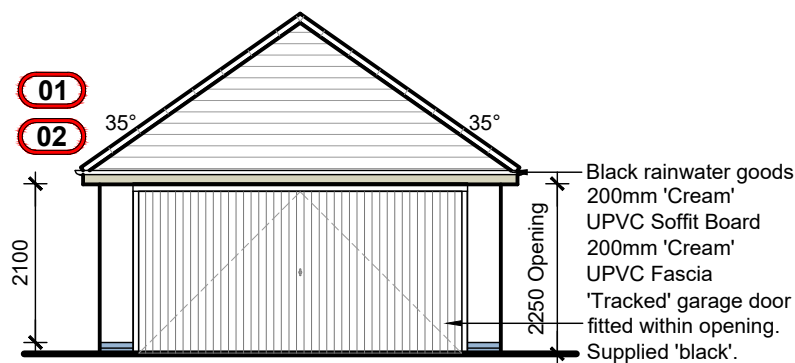
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Date:June 18

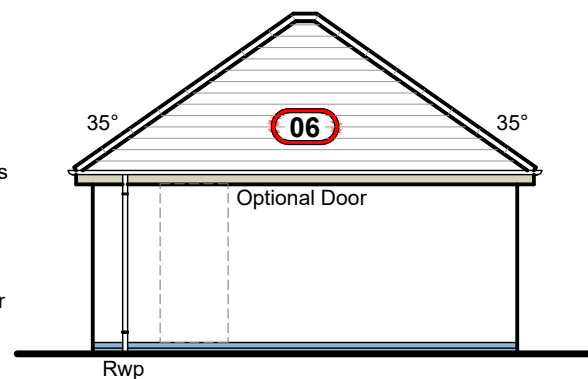
Drawn: GD

Checked:

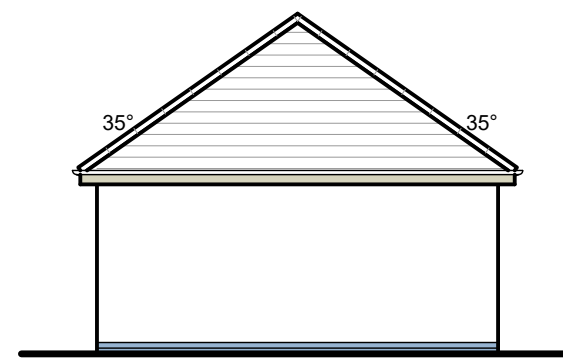
Spec:n/a



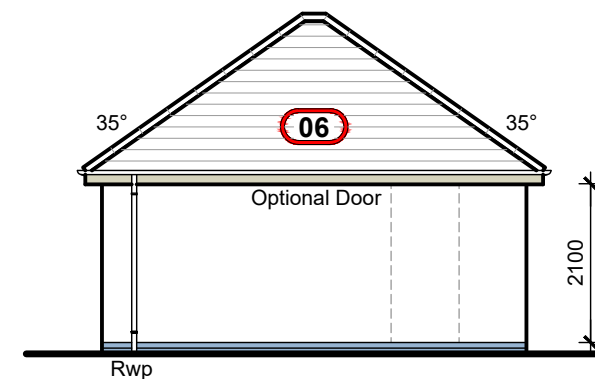
FRONT ELEVATION
Scale 1:100



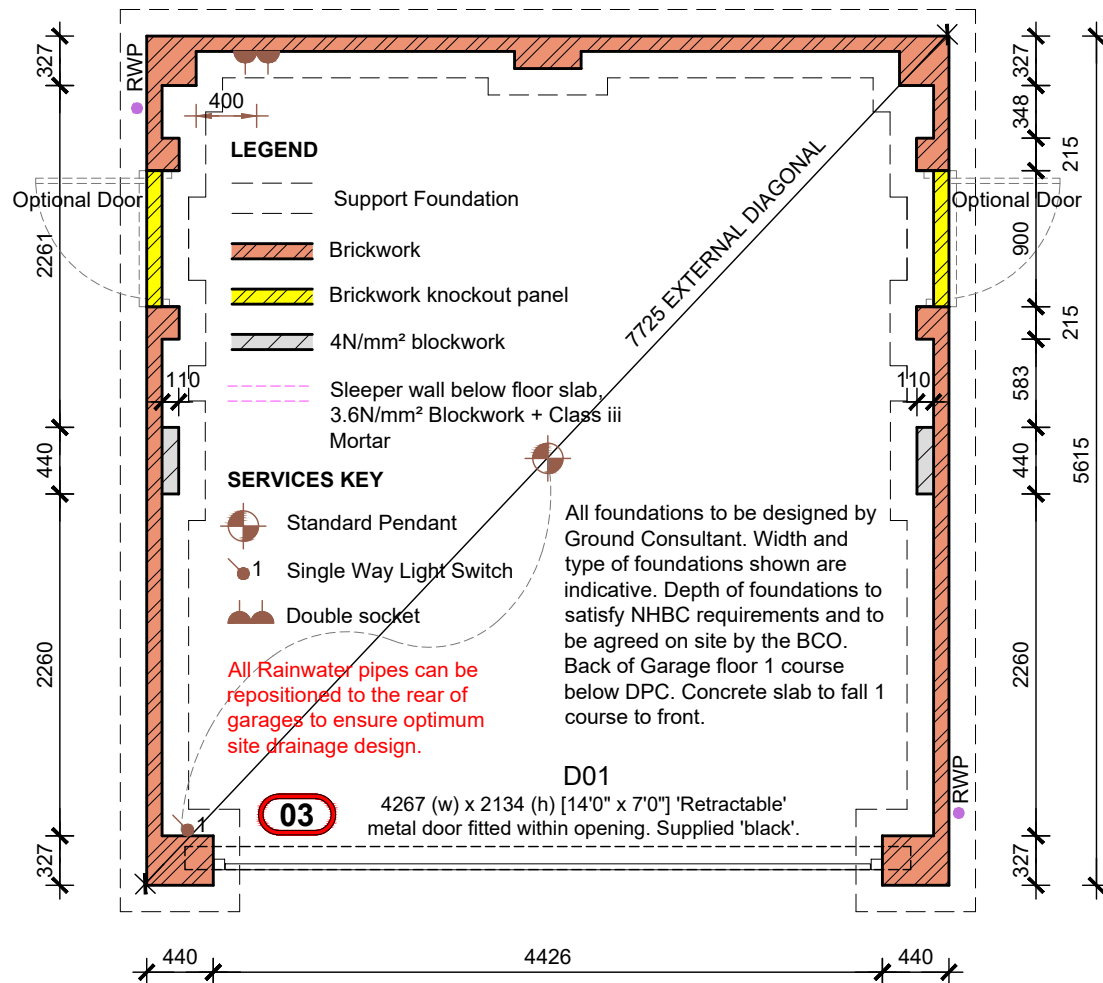
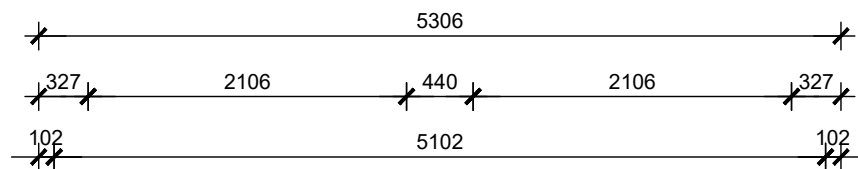
SIDE ELEVATION
Scale 1:100



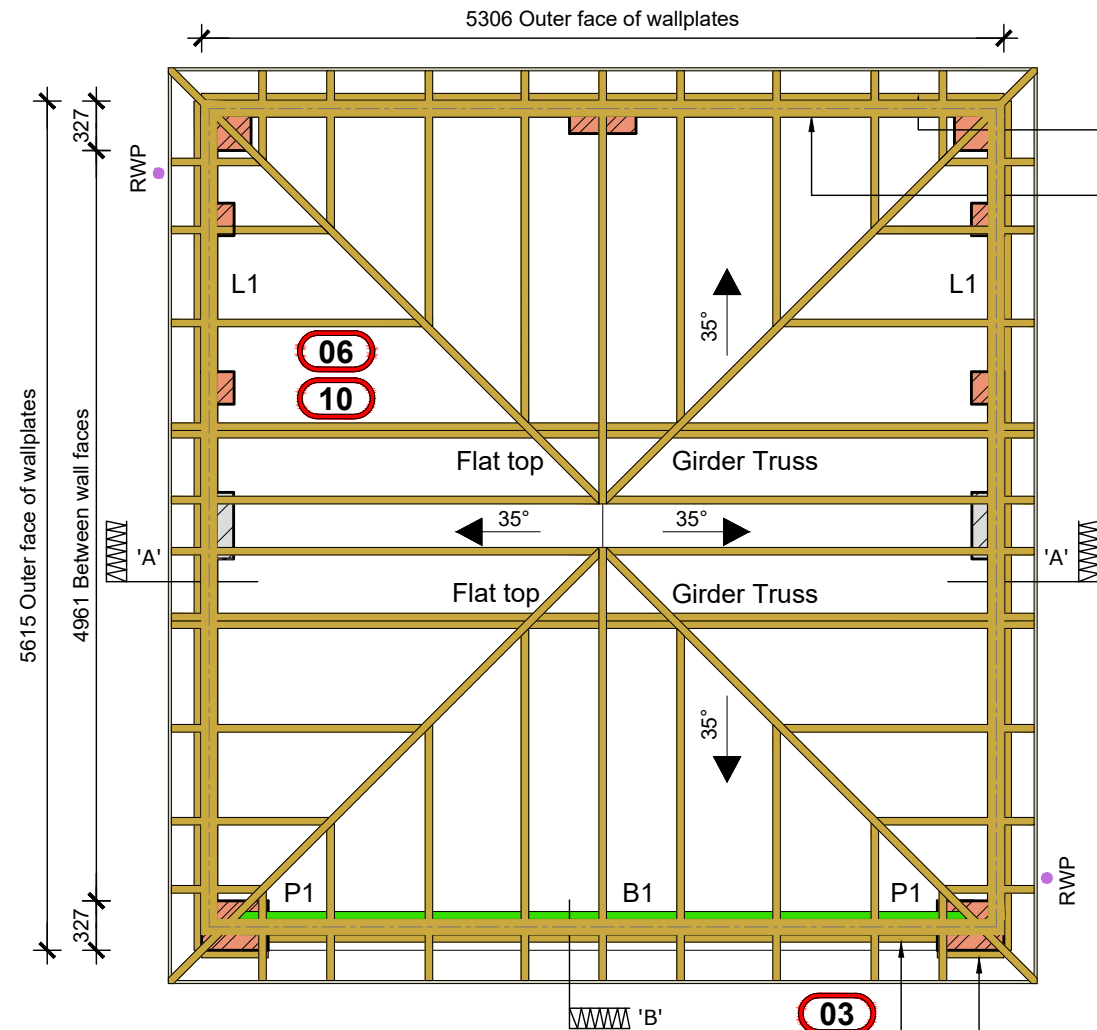
REAR ELEVATION
Scale 1:100



SIDE ELEVATION
Scale 1:100



PLAN
Scale 1:50



ROOF PLAN
Scale 1:50

Fix 50 x 50mm PSE timber to brickwork to form Support for Soffit board.

75x100mm wallplate strapped down to wall using 30 x 3mm x 1m LG. M.S. Straps

LEGEND

- Brickwork
- 4N/mm² blockwork
- Structural Lintel
- Structural Steel Beam

200mm 'Cream' UPVC Fascia
200mm 'Cream' UPVC Soffit Board (to rear & sides)
300mm 'Cream' UPVC Soffit Board (to front)

MAIN ROOF PITCH 35°

Trussed rafters at 600mm centres.
Ceiling ties, longitudinals, diagonals to be in strict accordance with B.S.5268 part.3 : 1988 Roof plan to Specialist design with calculations and full bracing details submitted prior to work

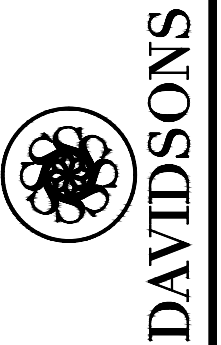
Structural Legend

- B1 - 152 x 152 x 13UB x 4800 Universal Beam Refer to Structural Calculations.
- L1 - 1200 x 150 - Structural Lintel. (EV100) Refer to Structural Calculations.
- P1 - 215 x 102 x 150 deep engineering brick padstone

Fix 50 x 50mm PSE timber to brickwork to form Support for Soffit board.

Fix 50 x 50mm PSE timber to timber in UB web to form Support for Soffit board.

P2



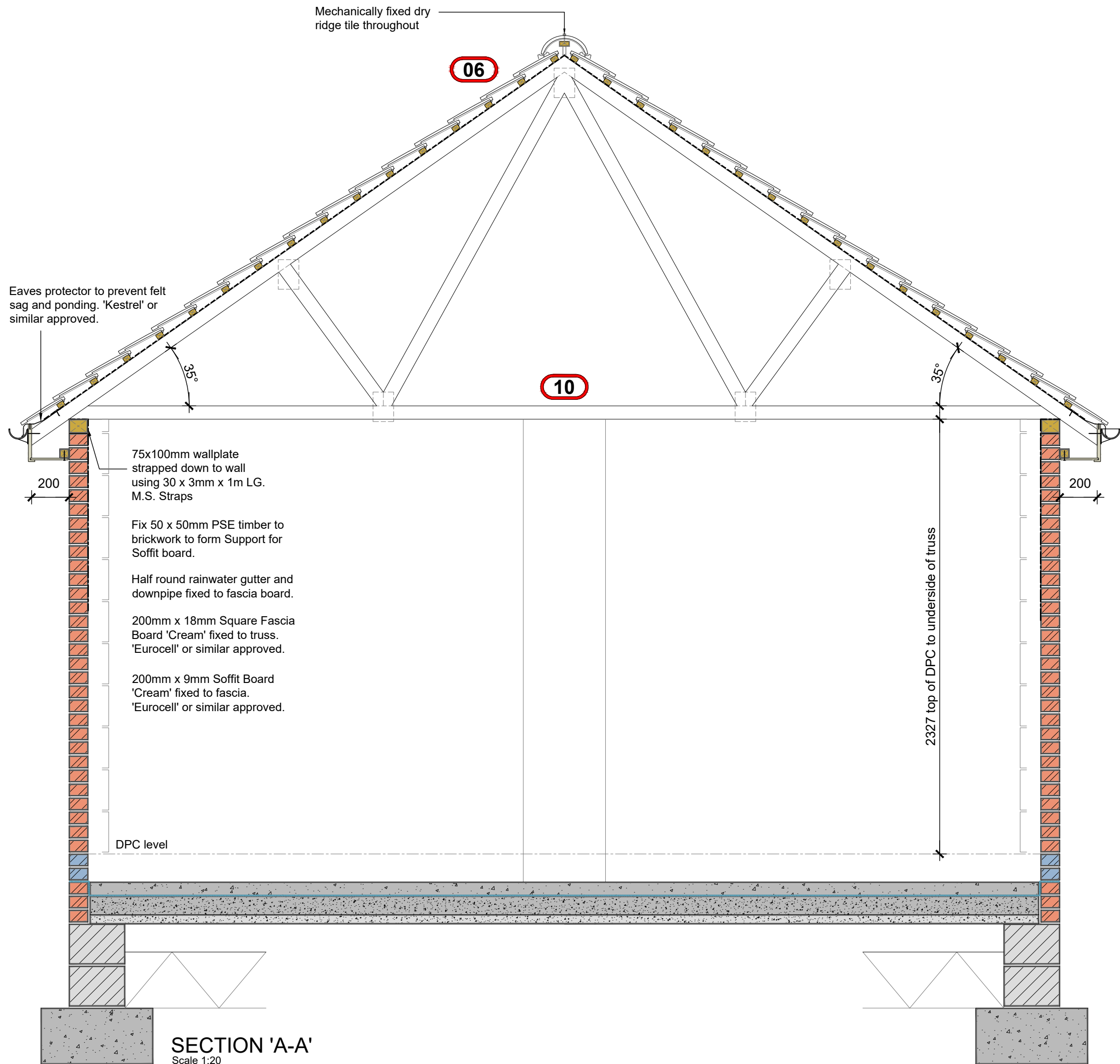
Date:
03.08.20

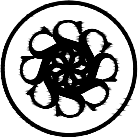
Description:
Knockout panels added to elevations.

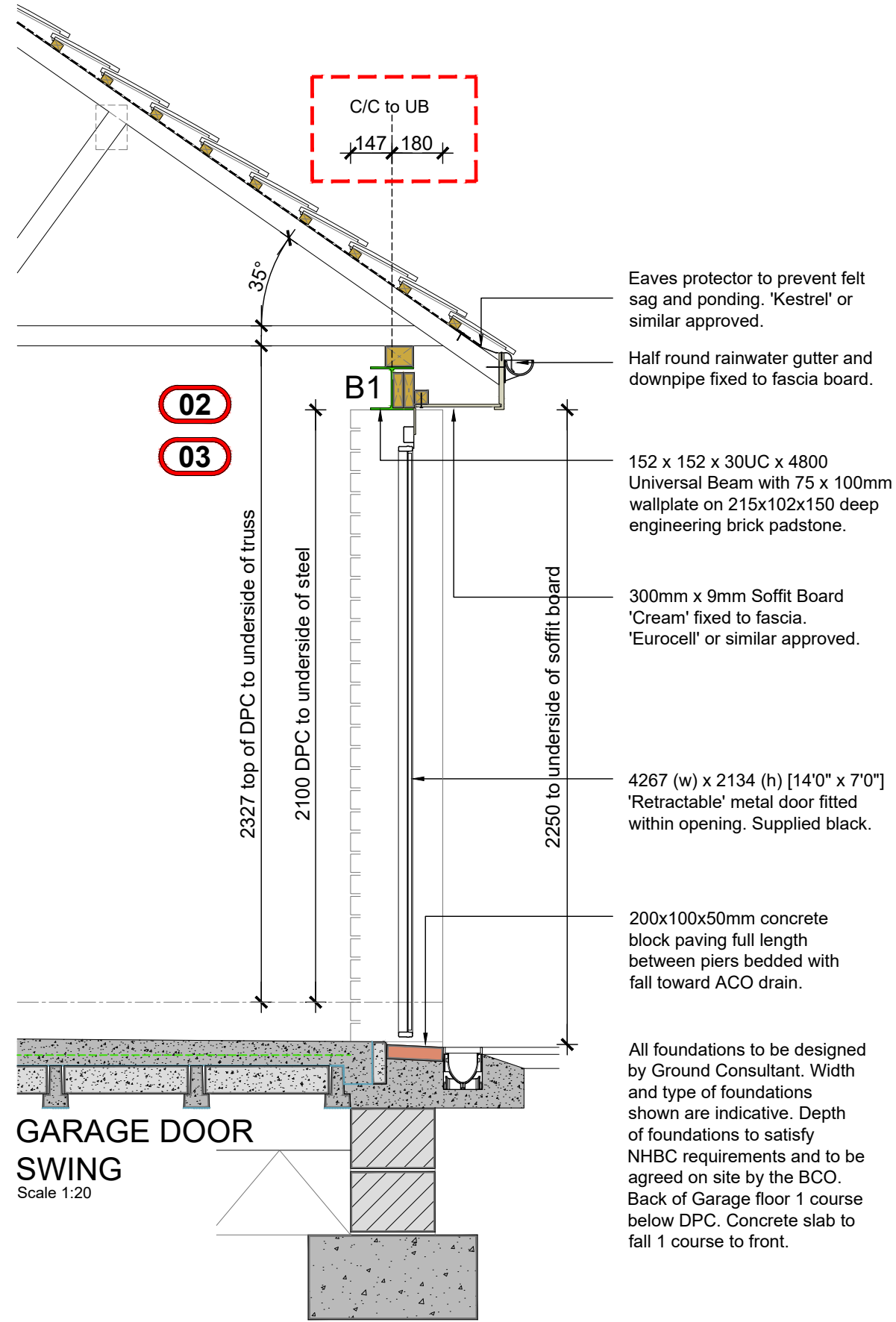
Total Floor Area: 290 sq'ft

Rev:
A

Garage Type: SG10-4 (Double Hipped Garage)
Description: Elevations & Floor Plans
Project: -4 Group Garage
Scale: 1/100 Date: June 18 Drawn: GD Checked: Spec: n/a

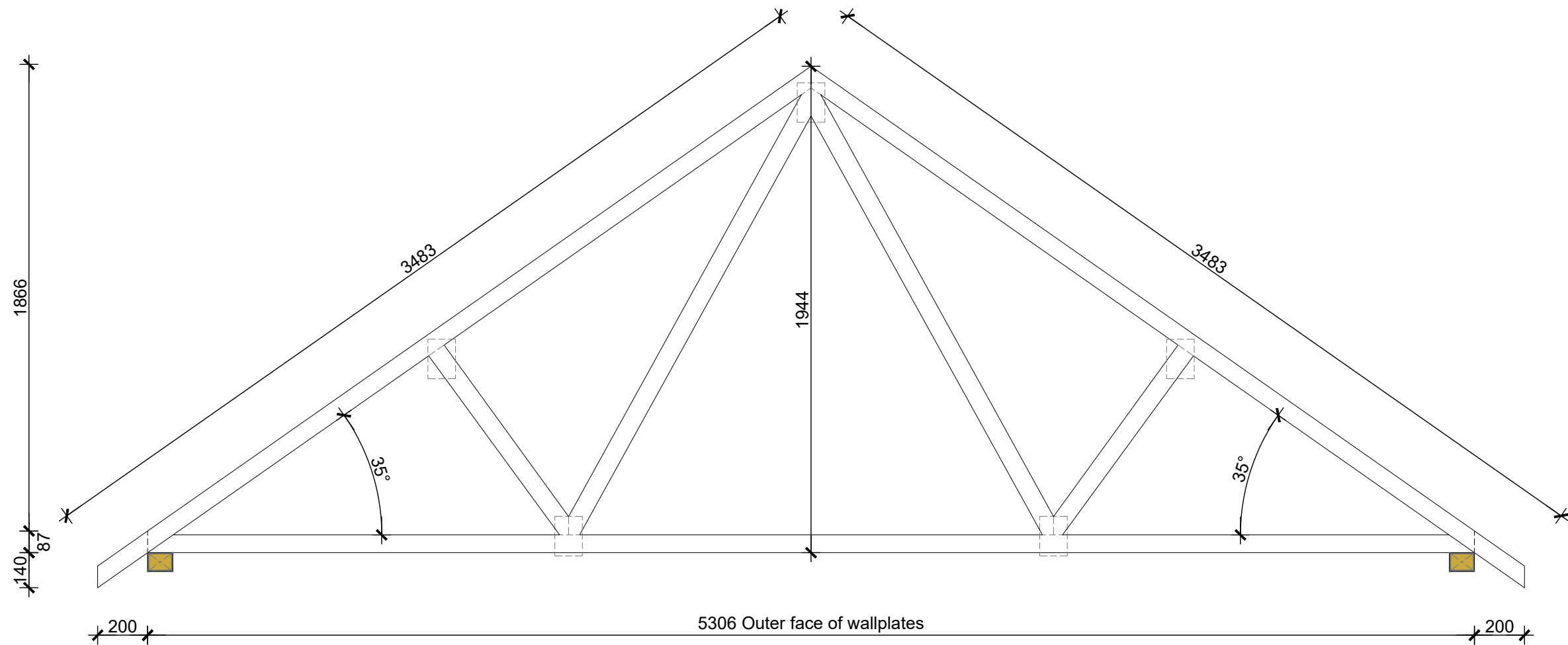


P3			
 DAVIDSONS			
Garage Type: SG10-4 (Double Hipped Garage)		Rev: A	Date: 22.10.19
Description: Section A-A		Description: Sections changed to show beam & insulated panel floor.	
Project: -4 Group Garage	Date: June 18	Drawn: GD	Checked: Spec:n/a
Scale: 1/20	Total Floor Area: 290 sq/ft		



GARAGE DOOR SWING
Scale 1:20

P4			
DAVIDSONS			
Garage Type: SG10-4 (Double Hipped Garage)		Rev: A	Date: 22.10.19
Description: Section B		Description: Sections changed to show beam & insulated panel floor.	Total Floor Area: 290 sq'ft
Project: -4 Group Garage			
Scale: 1/20	Date: June 18	Drawn: GD	Checked: Spec:n/a



TRUSS
Scale 1:20

Tiles - Refer to materials schedule.

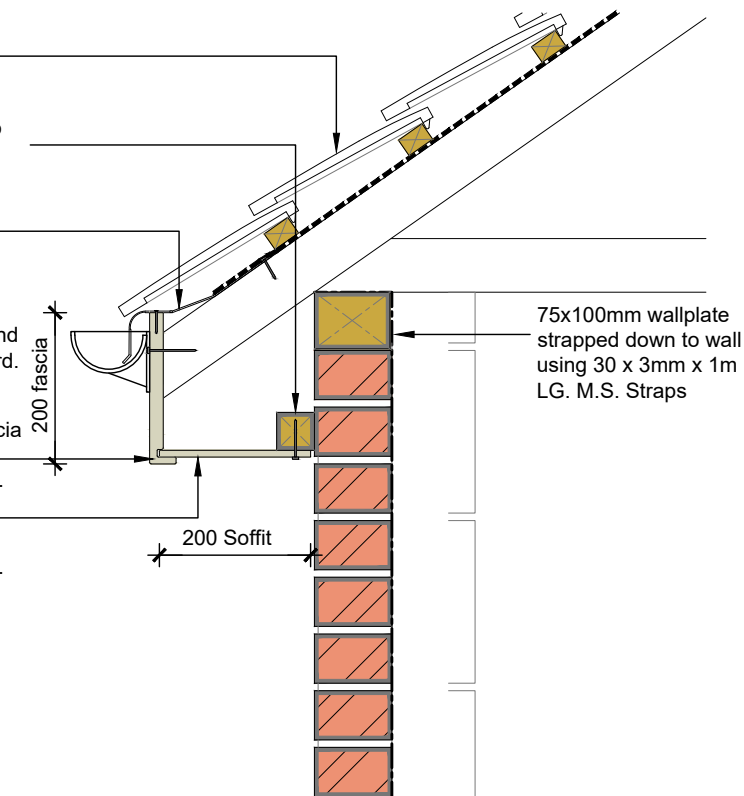
Fix 50 x 50mm PSE timber to brickwork to form Support for Soffit board.

Eaves protector to prevent felt sag and ponding. 'Kestrel' or similar approved.

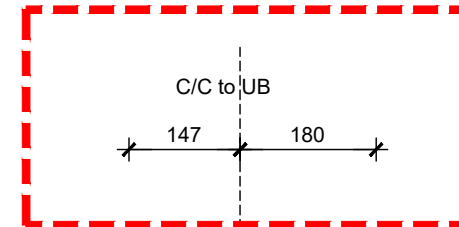
Half round rainwater gutter and downpipe fixed to fascia board.

200mm x 18mm Square Fascia Board 'Cream' fixed to truss. 'Eurocell' or similar approved.

200mm x 9mm Soffit Board 'Cream' fixed to fascia. 'Eurocell' or similar approved.



35° EAVES DETAIL
Scale 1:10



2no. 38 x 125mm PSE timber bolted or Tek screwed to universal beam.

75x100mm wallplate bolted or Tek screwed to universal beam.

152 x 152 x 30UB x 4800 UB

4267 (w) x 2134 (h) [14'0" x 7'0"] 'Retractable' metal door fitted within opening. Supplied 'black'.

B1

GARAGE DOOR FRAME SET BACK 102MM FROM FRONT FACE OF BRICKWORK

Tiles - Refer to materials schedule.

Fix 50 x 50mm PSE timber to timber in UB web to form Support for Soffit board.

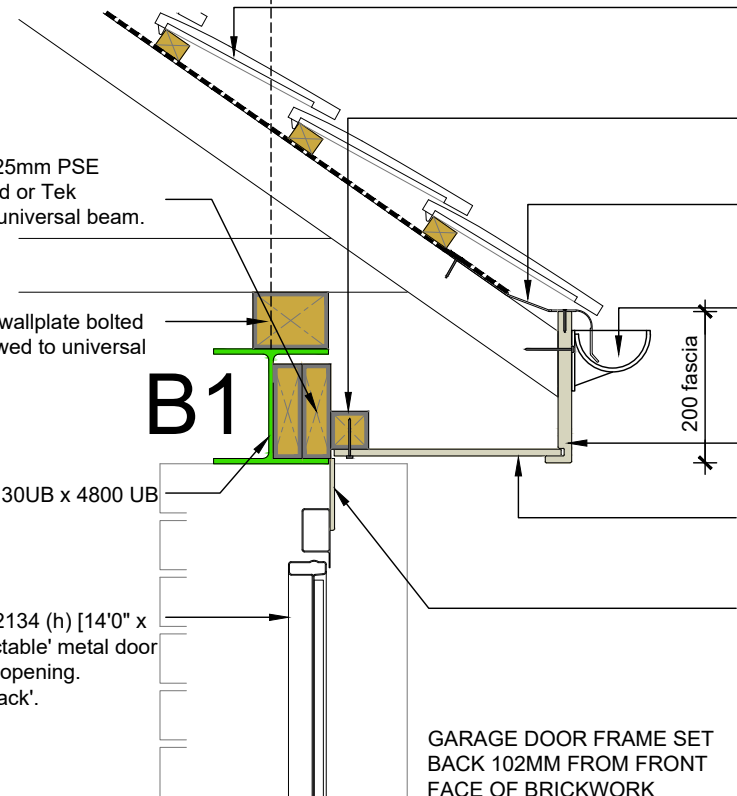
Eaves protector to prevent felt sag and ponding. 'Kestrel' or similar approved.

Half round rainwater gutter and downpipe fixed to fascia board.

200mm x 18mm Square Fascia Board 'Cream' fixed to truss. 'Eurocell' or similar approved.

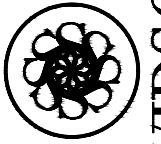
300mm x 9mm Soffit Board 'Cream' fixed to fascia. 'Eurocell' or similar approved.

Black 6mm x 95mm PVCu pencil round architrave 'Eurocell' or similar approved mitre bonded to garage door frame.



35° EAVES DETAIL
Scale 1:10

P5



DAVIDSONS

Date:

Description:

Total Floor Area: 290 sq/ft

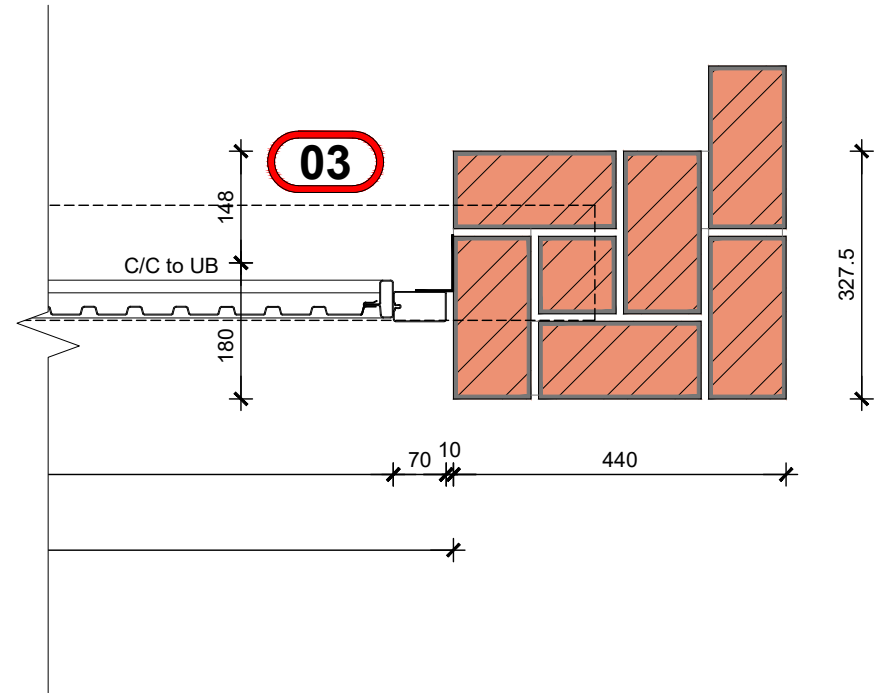
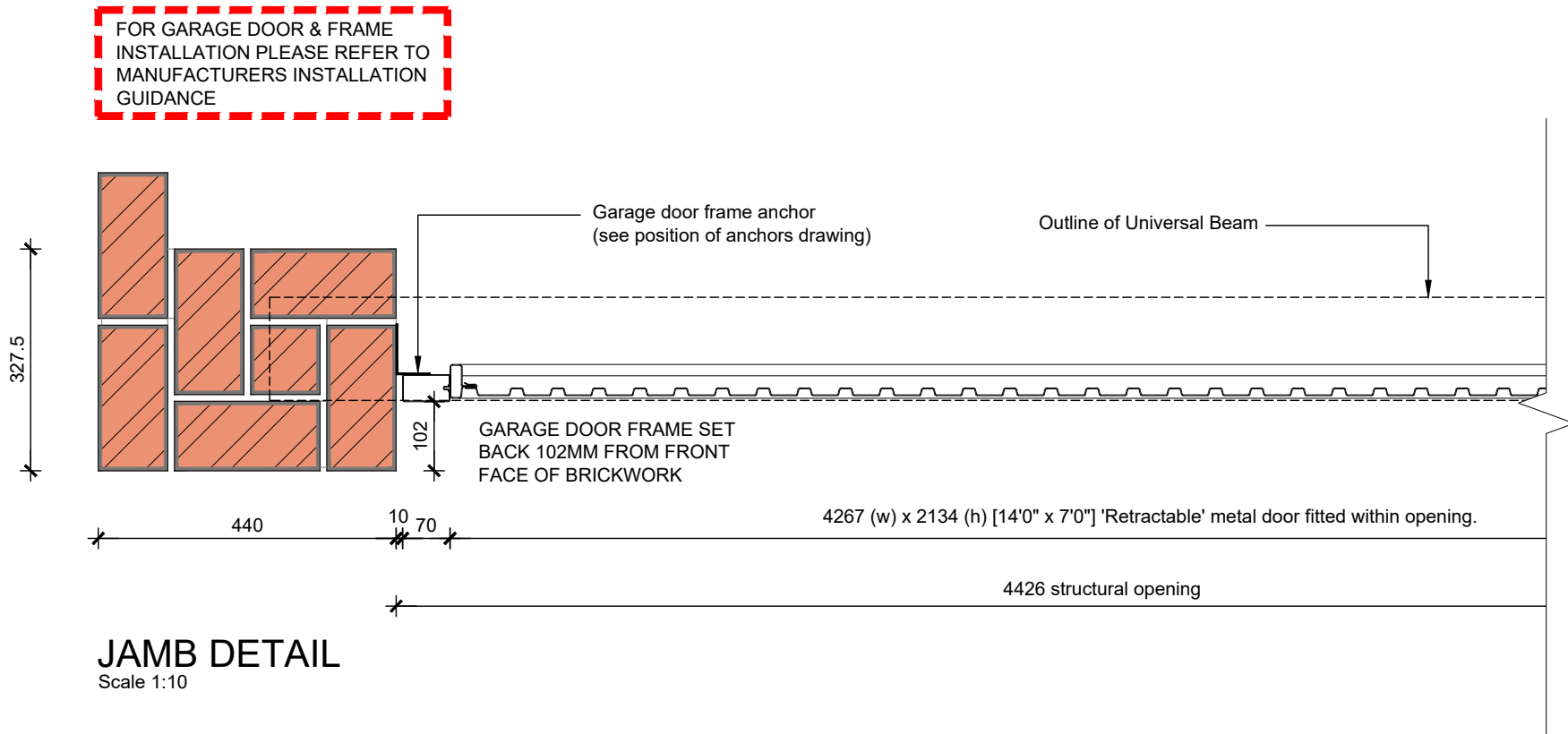
Rev:

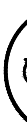
Garage Type: **SG10-4 (Double Hipped Garage)**

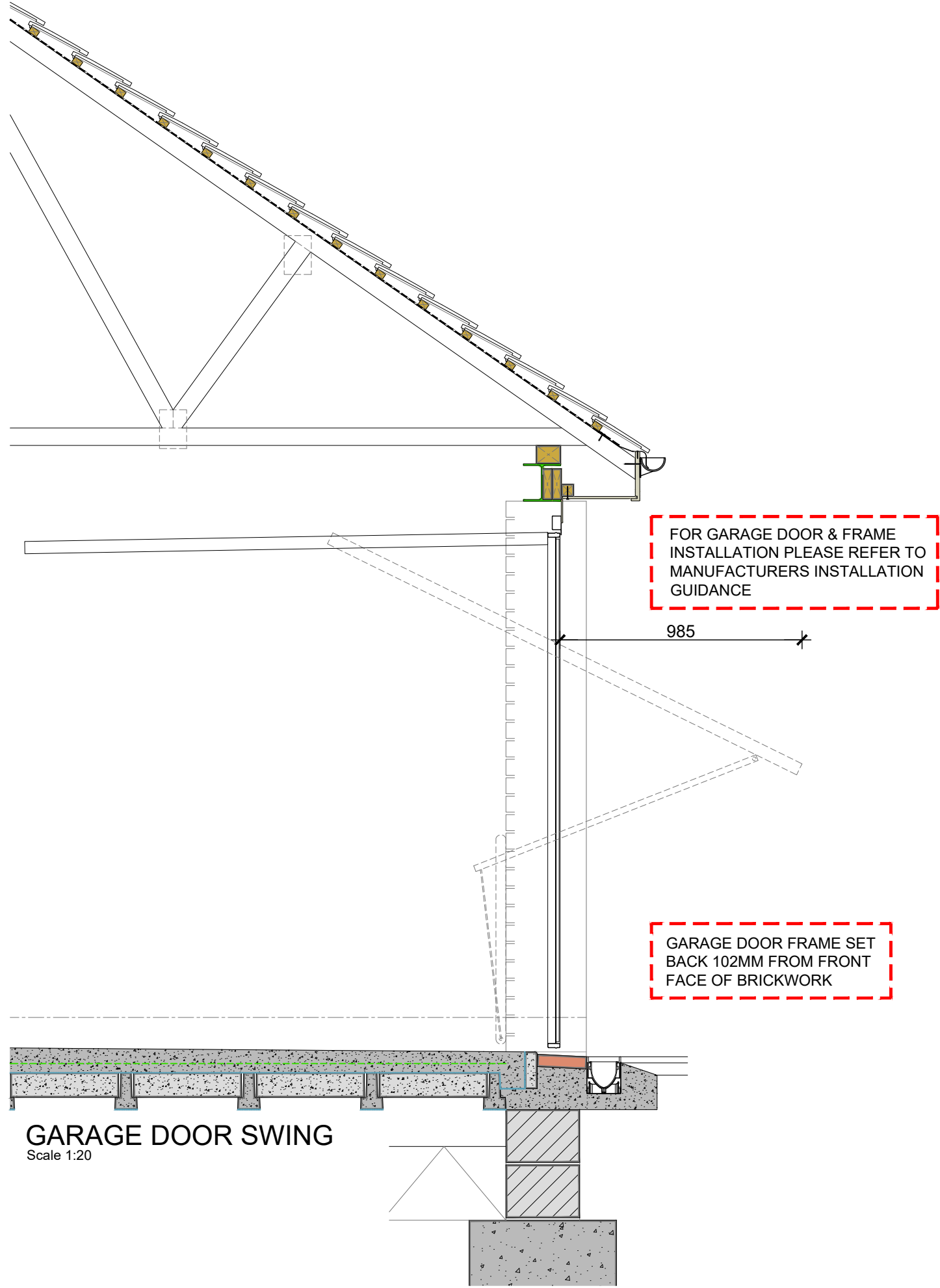
Description: **Truss & Eaves Details**

Project: -4 Group Garage

Scale:Varies Date:June 18 Drawn: GD Checked: Spec:n/a



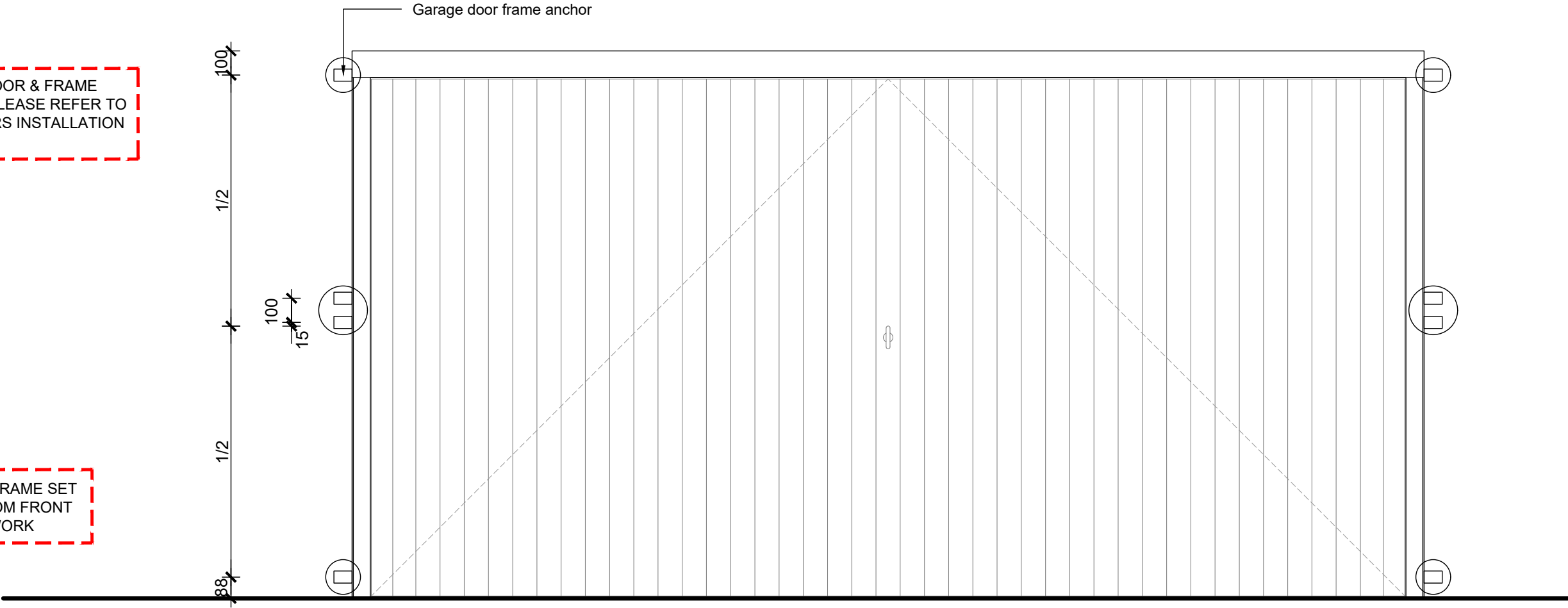
P6			
DAVIDSONS			
Date:		Description:	
Rev:			
Garage Type: SG10-4 (Double Hipped Garage)		Total Floor Area: 290 sq'ft	
Description: Jamb Detail		Rev:	
Project: -4 Group Garage		Rev:	
Scale: 1/10	Date: June 18	Drawn: GD	Checked: Spec: n/a



P7			
DAVIDSONS			
Rev: A		Description: Sections changed to show beam & insulated panel floor.	Date: 22.10.19
		Total Floor Area: 290 sq'ft	
Garage Type: SG10-4 (Double Hipped Garage)			
Description: Door Swing Detail			
Project: -4 Group Garage			
Scale: 1/20	Date: June 18	Drawn: GD	Checked: Spec: n/a

FOR GARAGE DOOR & FRAME
INSTALLATION PLEASE REFER TO
MANUFACTURERS INSTALLATION
GUIDANCE

GARAGE DOOR FRAME SET
BACK 102MM FROM FRONT
FACE OF BRICKWORK



POSITION OF ANCHORS
Scale 1:20

Garage Type: SG10-4 (Double Hipped Garage)

Description: Door Anchor Positions

Project: -4 Group Garage

Scale: 1/20

Date: June 18

Drawn: GD

Checked:

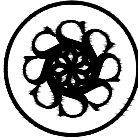
Spec: n/a

Date:

Description:

Rev:

Total Floor Area: 290 sq'ft



DAVIDSONS

P8

Garage Door

- 1 Face of garage door frame to be set back 102mm from face of brickwork. 2270mm required from FFL to underside of lintel to allow garage door to be fitted.

Threshold

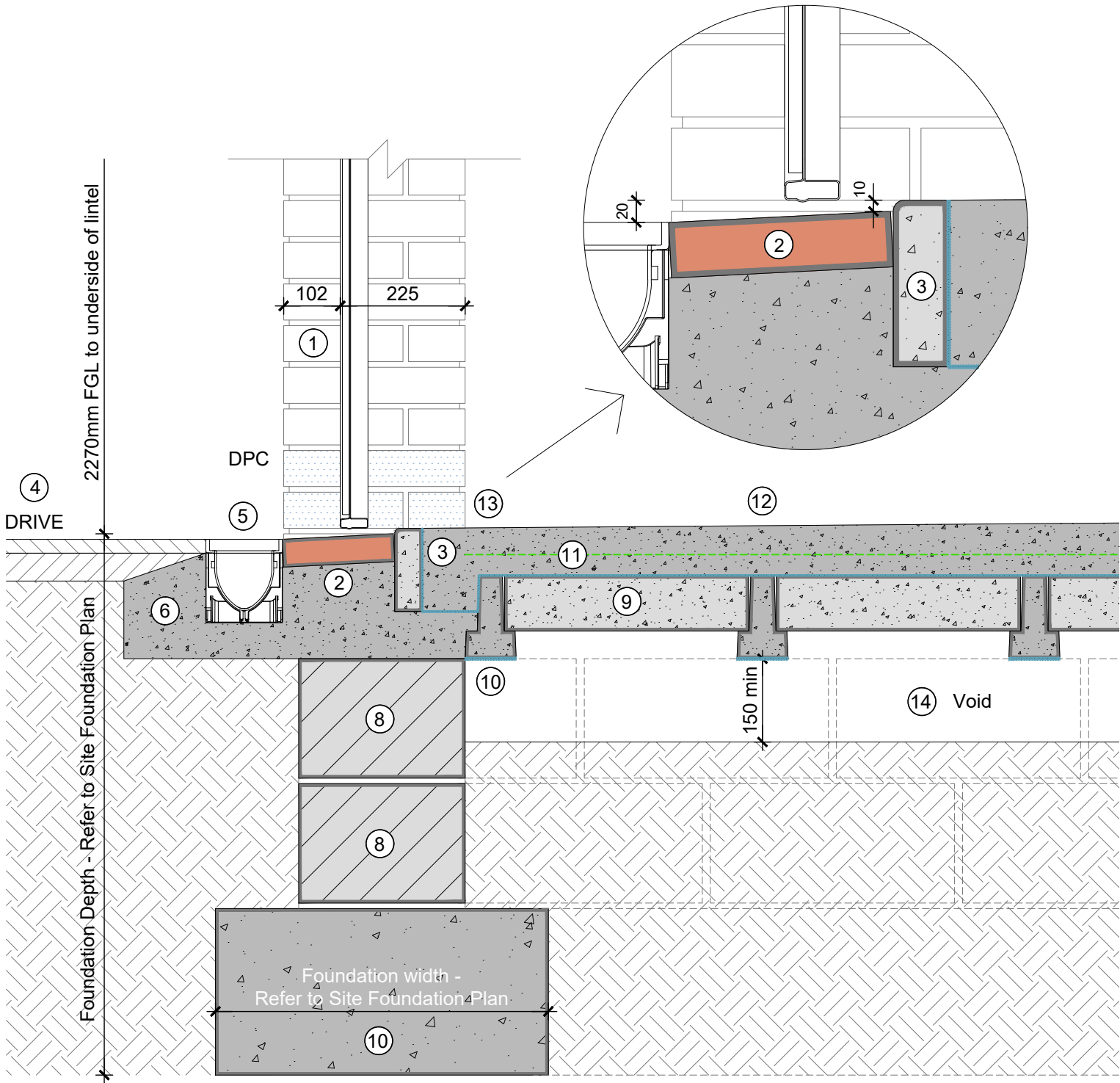
- 2 200 x 100 x 50mm concrete block paving full length between piers. FGL to be set 20mm below garage floor.
- 3 Bull nosed edging EBN 150x50mm with 25mm upstand.
- 4 Refer to Materials Plan for drive finish (Generally Tarmac - site dependant).
- 5 138 x 150mm ACO HexDrain Pro (or similar approved) to be used only when drive falls toward door threshold. Drainage to be connected to surface water drainage system.
- 6 Concrete bed & haunch min strength class C20/25

Masonry

- 7 3.6N/mm² Thermalite Aircrete TrenchBlock - 300 x 215 x 440mm ('λ' value 0.15W/m²K). All units to have a min. density 600kg/m3.
- 8 7.3N/mm² Solid Concrete Block - 100 x 440 x 215mm.

Pre-cast Concrete Beams

- 9 155mm Pre-cast concrete standard beams. Beams must be designed in accordance with BS EN 15037-1 : 2008, BS EN 1992-1-1 : 2004 and its UK National Annex, BS EN 206 : 2013, BS 8500-1 : 2015 and BS 8500-2 : 2015. Polythelene vapour control layer (min 500 gauge) under concrete beams.



GARAGE DOOR THRESHOLD DETAIL [BEAM & BLOCK]
DOOR RECESSED 102MM FROM FACE OF BRICKWORK
WITH ACO DRAIN, PAVERS AND BULL NOSE EDGING.

DETAIL TO BE READ IN ACCORDANCE WITH SITE FOUNDATION PLAN FOR FOUNDATION DEPTH.

Excavation

- 10 Excavation depths may be reduced dependant on soil report. Refer to site foundation plan for foundation depth. All drains & services passing through the foundation to be sealed and provided with support if necessary.

Steel Mesh Reinforcement

- 11 One layer of A142 mesh to BS 4483: 2005 with a characteristic yield strength (fyk) of 500 N·mm–2. Steel reinforcement placed at mid height of the concrete topping (nominal cover to steel reinforcement is 31.5 mm).

Concrete Topping

- 12 Minimum of 65mm thick C28/35 self-levelling concrete topping (1) with maximum 20 mm aggregate (2).

(1) For self-compacting concrete the slump flow class should be SF1 (550 mm to 650mm) or SF2 (660 mm to 750mm). The sand content should be greater than 45%.

(2) The aggregate for concrete must comply with BS EN 12620 : 2013.

- 13 Back of garage floor 100mm below dpc, floor to fall 50mm to front.

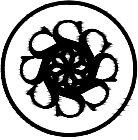
Void

- 14 150mm min void to be provided under the concrete floor beams (refer to ground conditions for exact void required) and top of treated solumn. High Volume: 300mm, Medium Volume: 250mm, Low Volume: 150mm.

P9			
DAVIDSONS			
Garage Type: SG10-4 (Double Hipped Garage)		Date: 22.10.19	Total Floor Area: 290 sq'ft
Description: Garage Door Threshold Details		Rev: A	
Project: -4 Group Garage			
Scale: 1/10	Date: June 18	Drawn: GD	Checked: Spec:n/a

Symbol	Health and Safety Description
01	Contractors Risk Assessment Required for the installation of the lintels also a Safe System of Work (SSoW) is required. Slab drilling - HAVS - Dust - COSHH.
02	Contractors Risk Assessment Required for the installation of the Ent / French / Bi Fold Doors. Manual Handling Risk assessment and SSoW required. Access & Egress. Delivery of units.
03	Contractors Risk Assessment Required for the installation of the lintels/steels. Manual Handling Risk Assessment and SSoW required. Lift Plan required/ Contract Lift Risk assessment and SSoW, Access & Egress.
04	Contractors Risk Assessment Required for the installation of the Kitchen. Manual Handling Risk Assessment and SSoW required. Access & Egress. Delivery of units/Work Tops.
05	Contractors Risk Assessment Required for the installation of the Cylinder. Manual Handling Risk Assessment and SSoW required. Access & Egress. Delivery of units/Work Tops.
06	Contractors Risk Assessment Required and SSoW for the installation of the roof covering. Edge protection required.
07	Contractors Risk Assessment Required and SSoW for the installation of the window above the stairs. Window Fitters, Plasterers, Joiners and Painters. Work at Height. Stairwell protection.
08	Contractors Risk Assessment Required for the installation of the Hot Water Boiler. Manual Handling Risk Assessment and SSoW required. Access & Egress. Delivery of the Boiler.
09	Contractors Risk Assessment Required for the installation of the Stairs. Manual Handling Risk Assessment and SSoW required. Access & Egress. Delivery of Stairs.
10	Contractors Risk Assessment Required for the installation of the Roof Trusses. Manual Handling Risk Assessment. Lift Plan required/ Contract Lift Risk Assessment and SSoW. Erect on the ground and lift into position if that option is available . Bird Cage/Proprietary working platform. Delivery of the Trusses.
11	Contractors Risk Assessment Required for the installation of the Fire Resistant Doors. Manual Handling Risk Assessment and SSoW required. Access & Egress.
12	Contractors Risk Assessment Required for the installation of the Cills/ Plinths/ Heads. Manual Handling Risk Assessment and SSoW required. Access & Egress. Delivery of Cills / Plinths / Heads.
13	Contractors Risk Assessment Required for the installation of the Decking Non Slip covering or Proprietary Anti Slip Boards to be used. Maintenance information to be issued.

P10



DAVIDSONS

Date:

Description:

Total Floor Area: 290 sq'ft

Rev:

Garage Type: SG10-4 (Double Hipped Garage)

Description: Health & Safety

Project: -4 Group Garage

Scale:n/a

Date:June 18

Drawn: GD

Checked:

Spec:n/a