

Page No - Core House Type Working Drawings -

: P1	: Data Sheet
: P2	: Elevations & Floor Plans
: P3	: Roof Plan
: P4	: Section A-A
: P5	: Truss & Eaves Details
: P6	: Jamb Detail
: P7	: Door Swing & Anchor positions
: P8	: Garage Door Threshold Detail
: P9	: Health & Safety

Rev: C03*
Rev: B*
Rev: A*
Rev: A
Rev:
Rev: A*
Rev: A
Rev: A
Rev:

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

Beam & Insulated Panel	Jablite	TBC
Beam & Insulated Panel	Longleys Concrete	TBC
Suspended Slab	GRM	TBC
Roof Design	Harlow Timber Systems	TBC
Structural Calculations	JMS	TBC

TOTAL FLOOR AREA - 324 Sq ft

Detailed Revision Description

Rev	Description	Date
C00A	Garage door amended to 2134 x 2134mm.	27.06.18
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.	21.10.19
C03	MAJOR UPDATE Garage footprint updated to reflect size plotted across sites. Footprint now the same size as the SG4-4.	03.02.20

* Denotes latest sheet revision

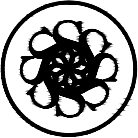
	Trade Print Pages
Joiner	P2, P3, P4, P5 & P6
Brick Layer	P2, P3, P4, P5, P6, P7 & P9
Electrician	P2

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: 03.02.20

Description: Refer to detailed description.

Total Floor Area: 324 sq'ft

Rev: C03

Garage Type: SG3-4 Twin Single Garage Hipped

Description: Data Sheet

Project: -4 Group Garage

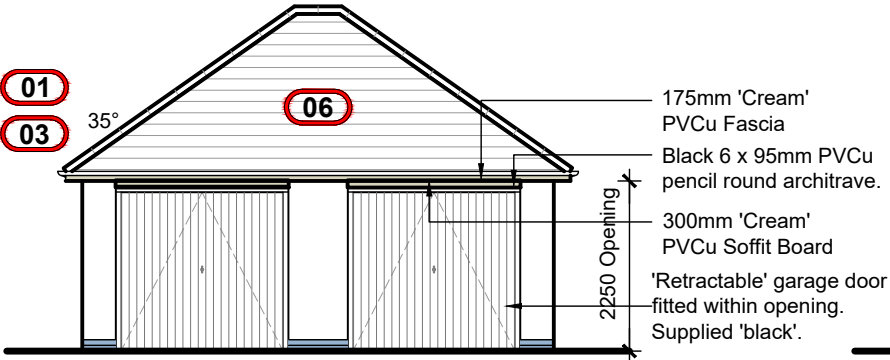
Scale:n/a

Date:June 18

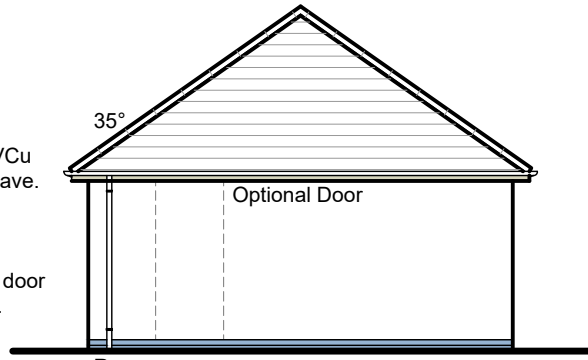
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Checked:

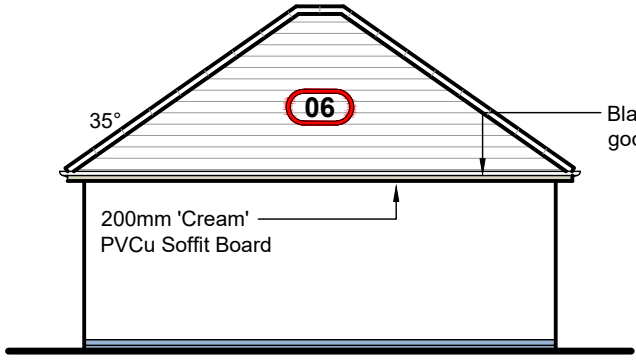
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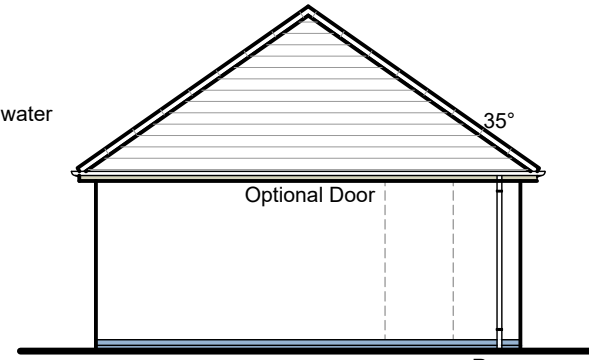
FRONT ELEVATION
Scale 1:100



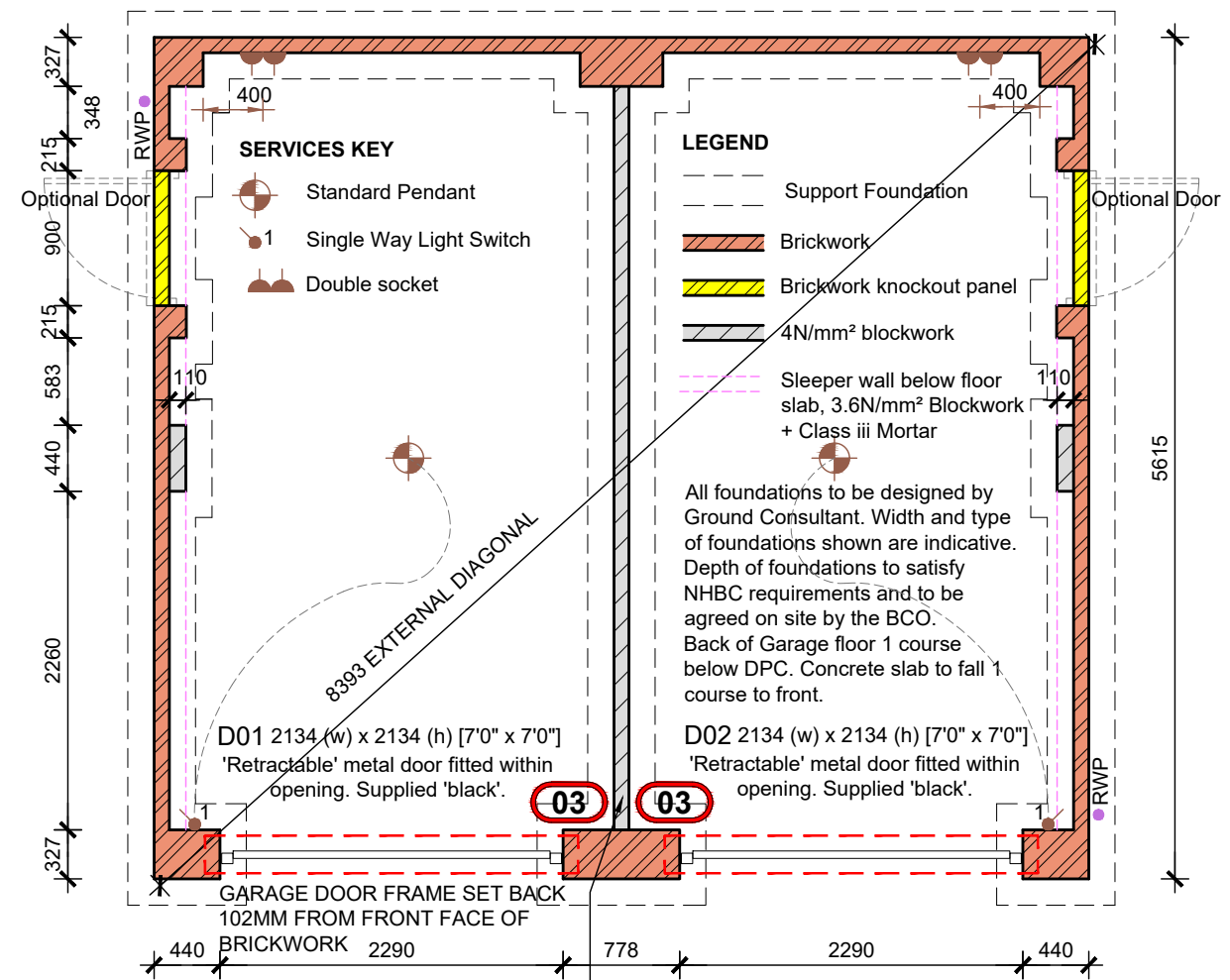
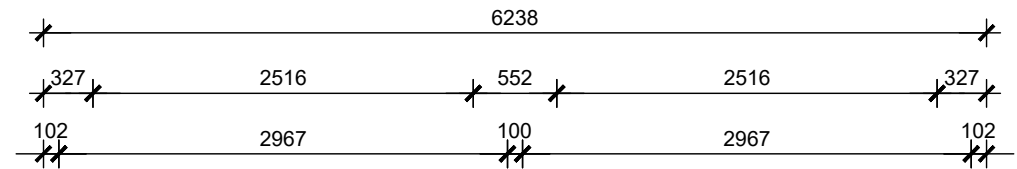
SIDE ELEVATION
Scale 1:100



REAR ELEVATION
Scale 1:100



SIDE ELEVATION
Scale 1:100



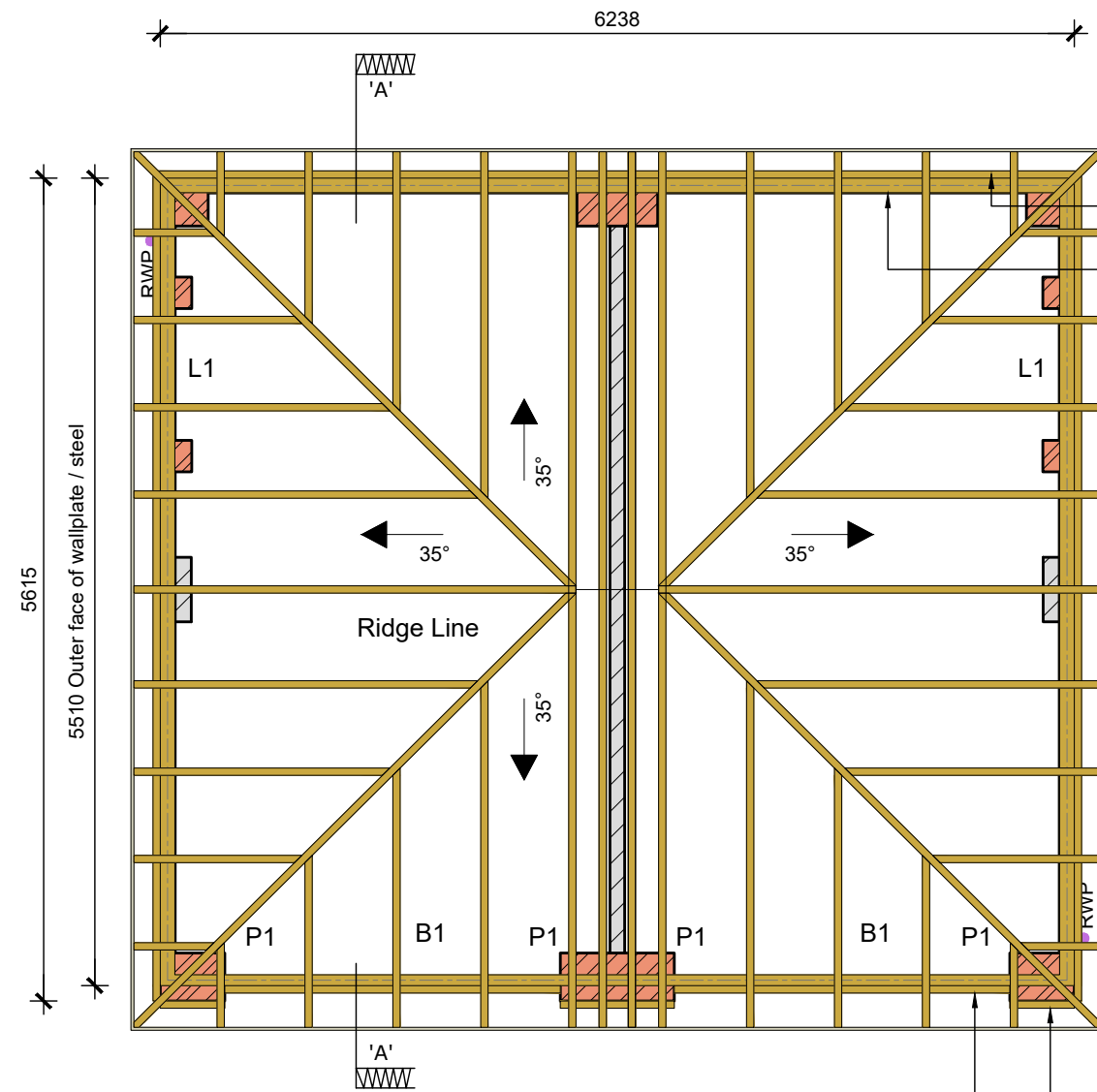
PLAN
Scale 1:50

Compartment walls between garages
Blockwork separating wall to extend to underside of roof covering and fire stopped above and below roof underlay. Min 30 minutes fire protection required between garages.

P2

DAVIDSONS

Garage Type: SG3-4 Twin Single Garage Hipped	Date: 03.02.20	Total Floor Area: 324 sq'ft			
	Description: MAJOR UPDATE Garage footprint updated to reflect size plotted across sites. Footprint now the same size as the SG4-4.			Rev: B	
				Project: -4 Group Garage	Checked: Spec:n/a
Description: Elevations & Floor Plans	Date: June 18	Scale: N/A			



Compartment walls between garages
Blockwork separating wall to extend to underside of roof covering and fire stopped above and below roof underlay. Min 30 minutes fire protection required between garages.

Fix 50 x 50mm PSE timber to brickwork to form Support for Soffit board.
100x100mm 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

175mm 'Cream' UPVC Fascia
200mm 'Cream' UPVC Soffit Board (to rear)
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

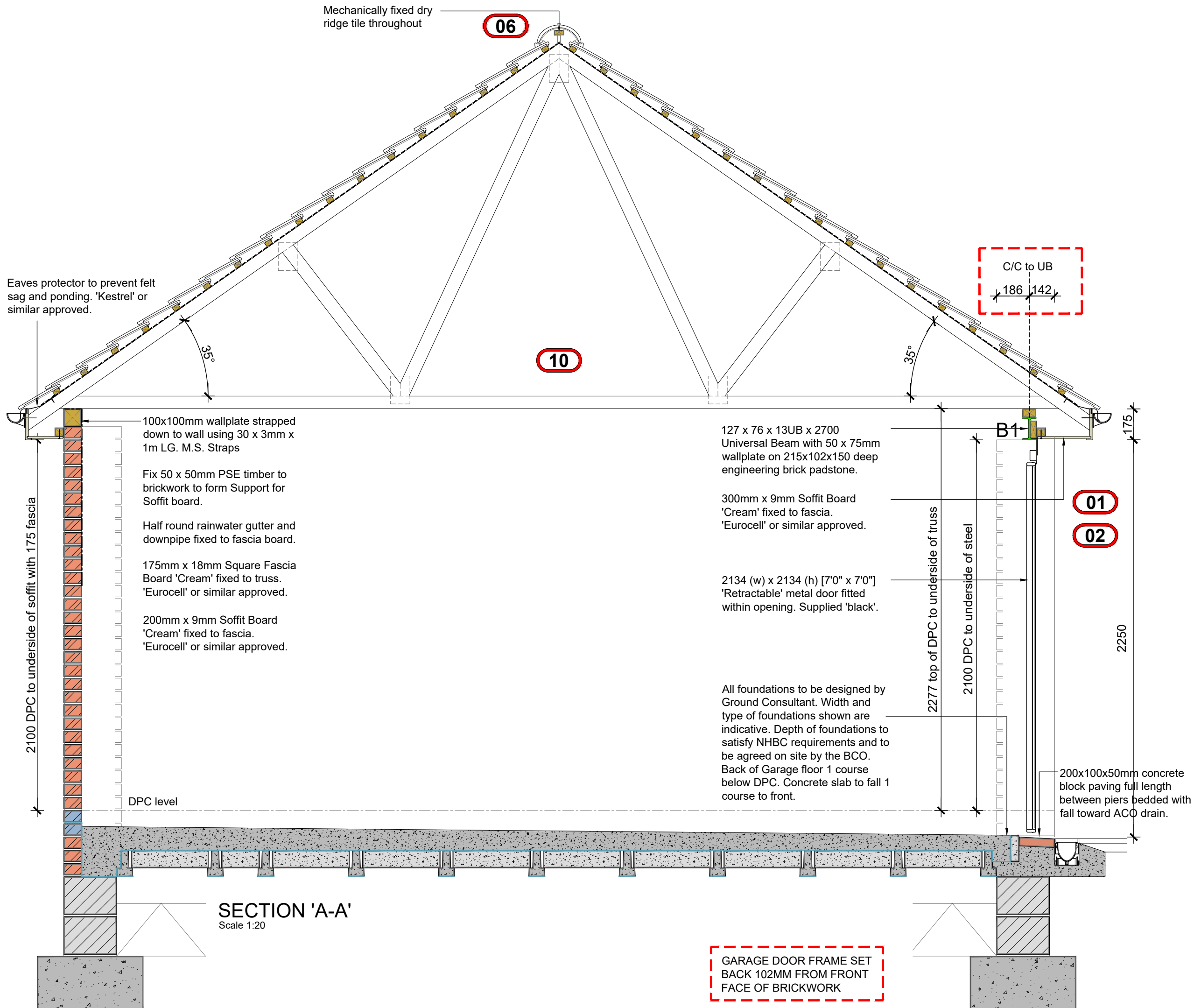
Structural Legend

B1 - 127 x 76 x 13UB x 2700 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

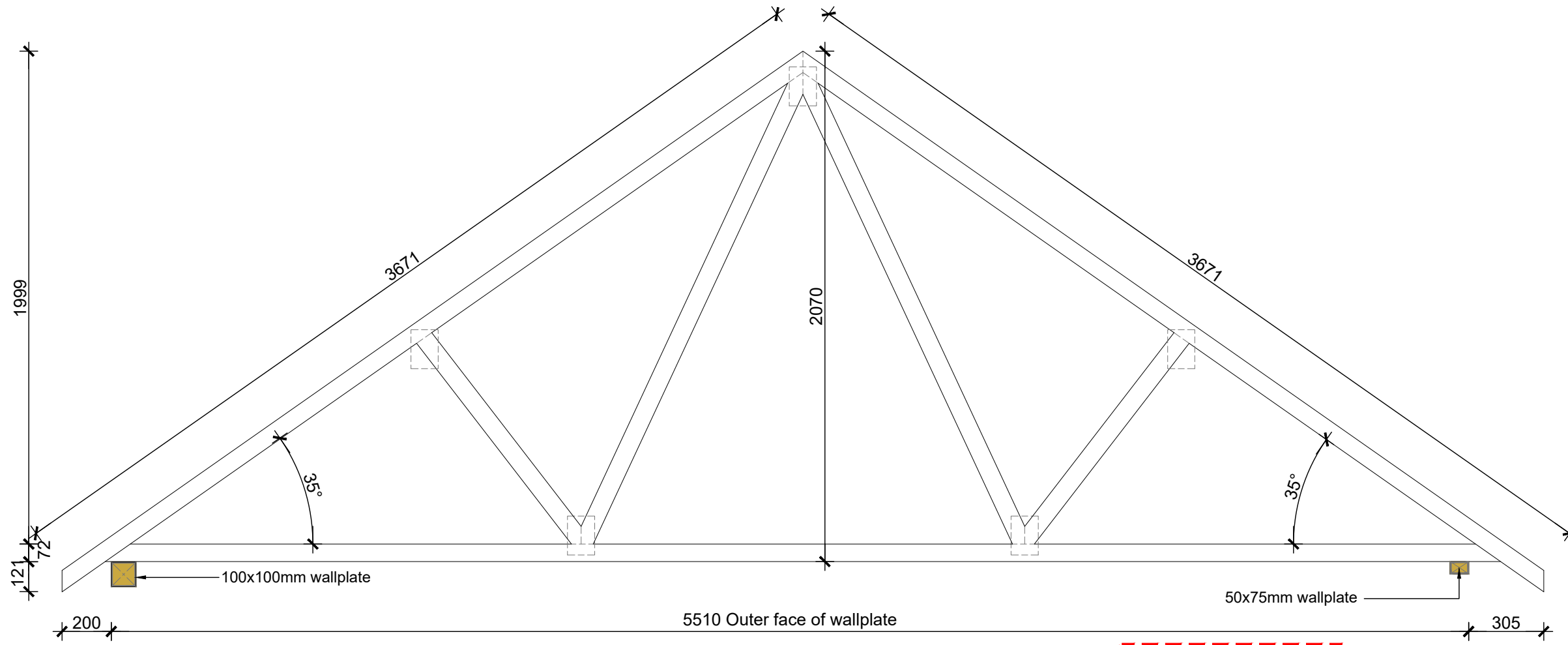
Fix 50 x 50mm PSE timber to brickwork to form Support for Soffit board.

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

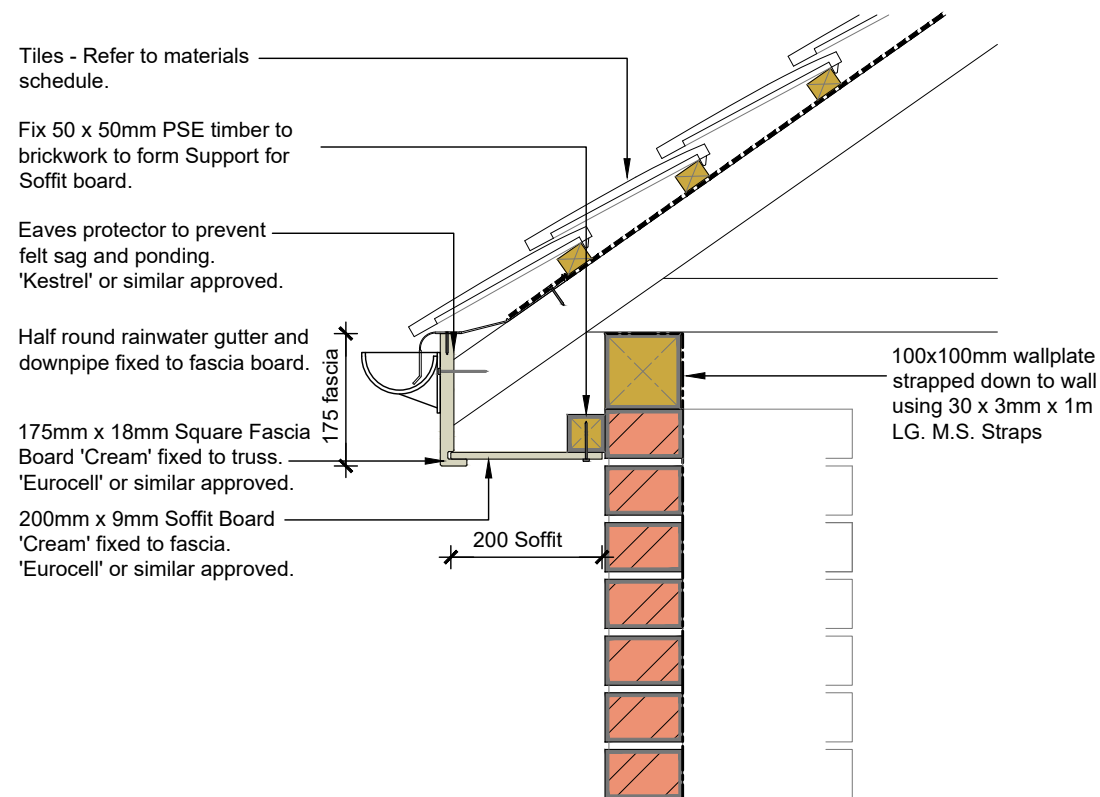
P3			
DAVIDSONSON			
Garage Type: SG3-4 Twin Single Garage Hipped		Date: 03.02.20	
Description: Roof Plan		Description: MAJOR UPDATE Garage footprint updated to reflect size plotted across sites. Footprint now the same size as the SG4-4.	Total Floor Area: 324 sq'ft
Project: -4 Group Garage	Scale: N/A		
Date: June 18	Drawn: NR	Checked:	Spec: n/a



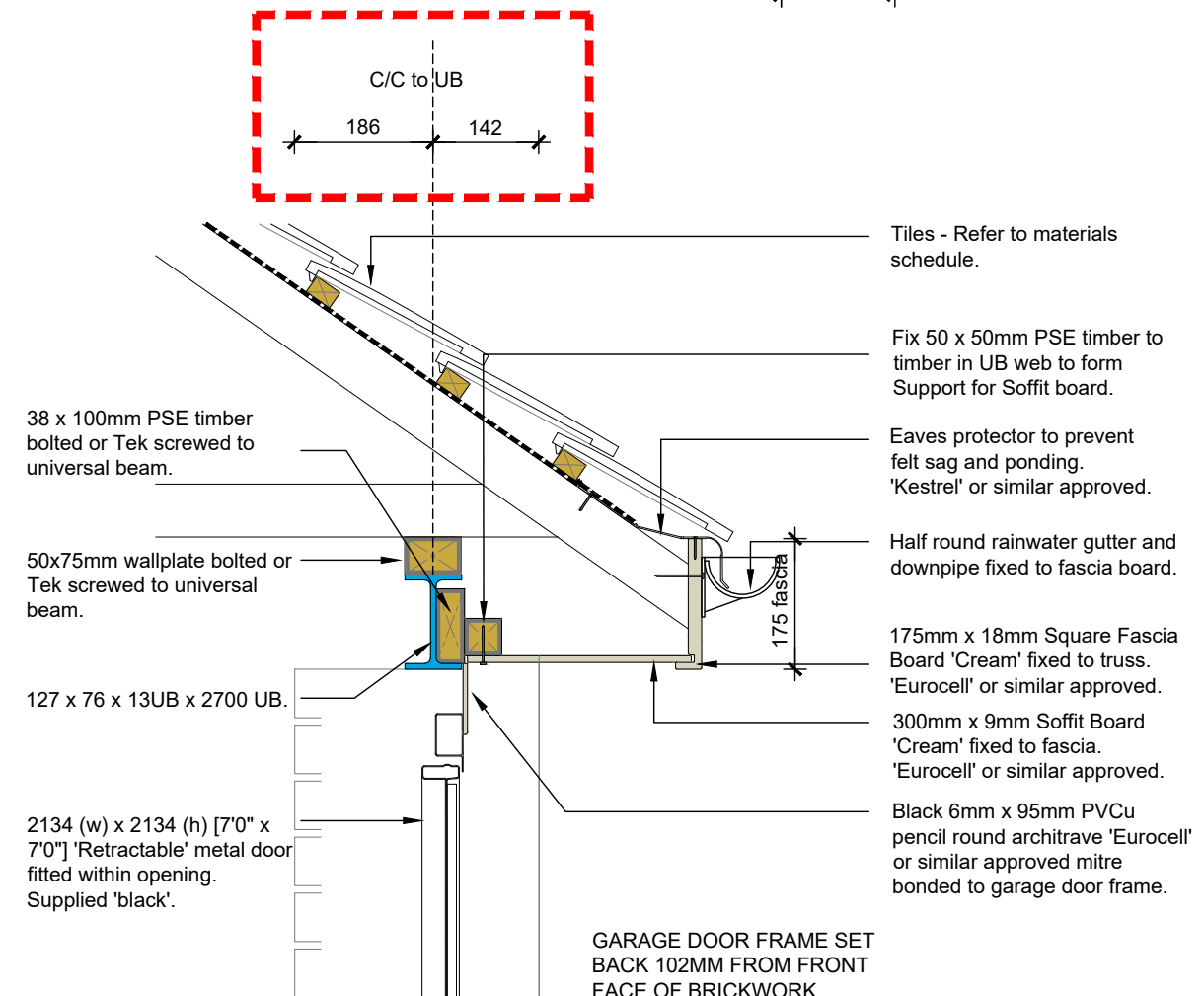
P4			
DAVIDSONS			
Garage Type: SG3-4 Twin Single Garage Hipped		Rev: A	Date: 21.10.19
Description: Section A-A			Description: Sections changed to show beam & insulated panel floor. Sleeper wall and beam span added to floor plan.
Project: -4 Group Garage	Scale: 1/20	Date: June 18	Drawn: NR
Checked: Spec:n/a		Total Floor Area: 324 sq/ft	



TRUSS
Scale 1:20

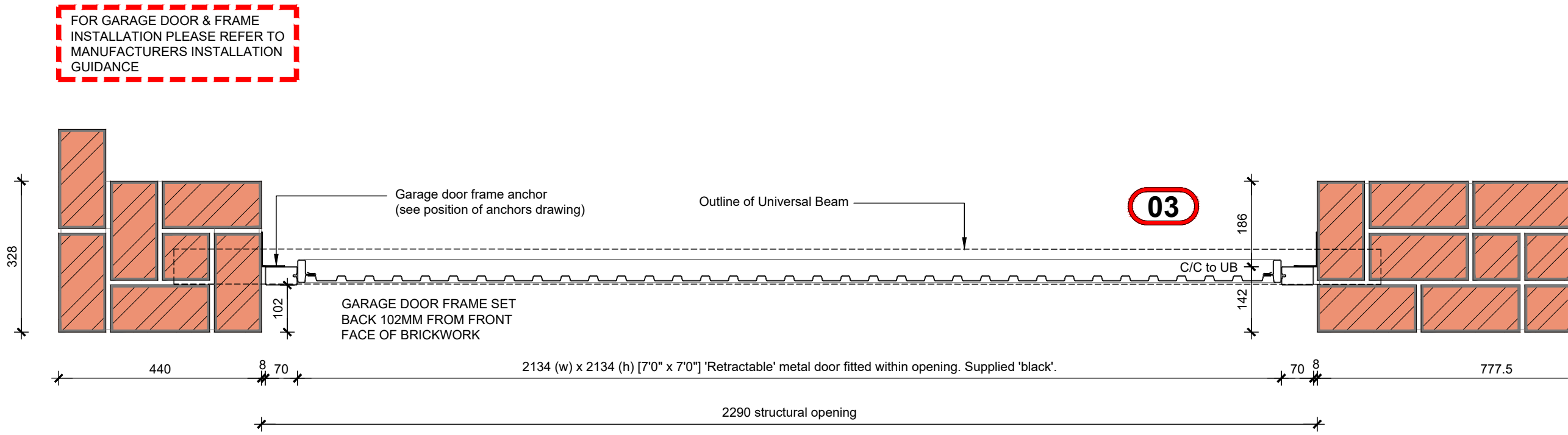


35° EAVES DETAIL
Scale 1:10



35° EAVES DETAIL
Scale 1:10

P5			
DAVIDSONS			
Date:		Description:	
Rev:		Total Floor Area: 324 sq'ft	
Garage Type: SG3-4 Twin Single Garage Hipped			
Description: Truss & Eaves Details			
Project: -4 Group Garage			
Scale:Varies		Date:June 18	Spec:n/a
Drawn: NR		Checked:	



JAMB DETAIL
Scale 1:10

P6			
DAVIDSONS			
Date: 03.02.20		Description: MAJOR UPDATE Garage footprint updated to reflect size plotted across sites. Footprint now the same size as the SG4-4.	
Rev: A		Total Floor Area: 324 sq'ft	
Garage Type: SG3-4 Twin Single Garage Hipped	Description: Jamb Detail	Checked: NR	Spec:n/a
Project: -4 Group Garage	Drawn: NR	Checked: NR	Spec:n/a
Scale:N/A	Date:June 18	Drawn: NR	Spec:n/a

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

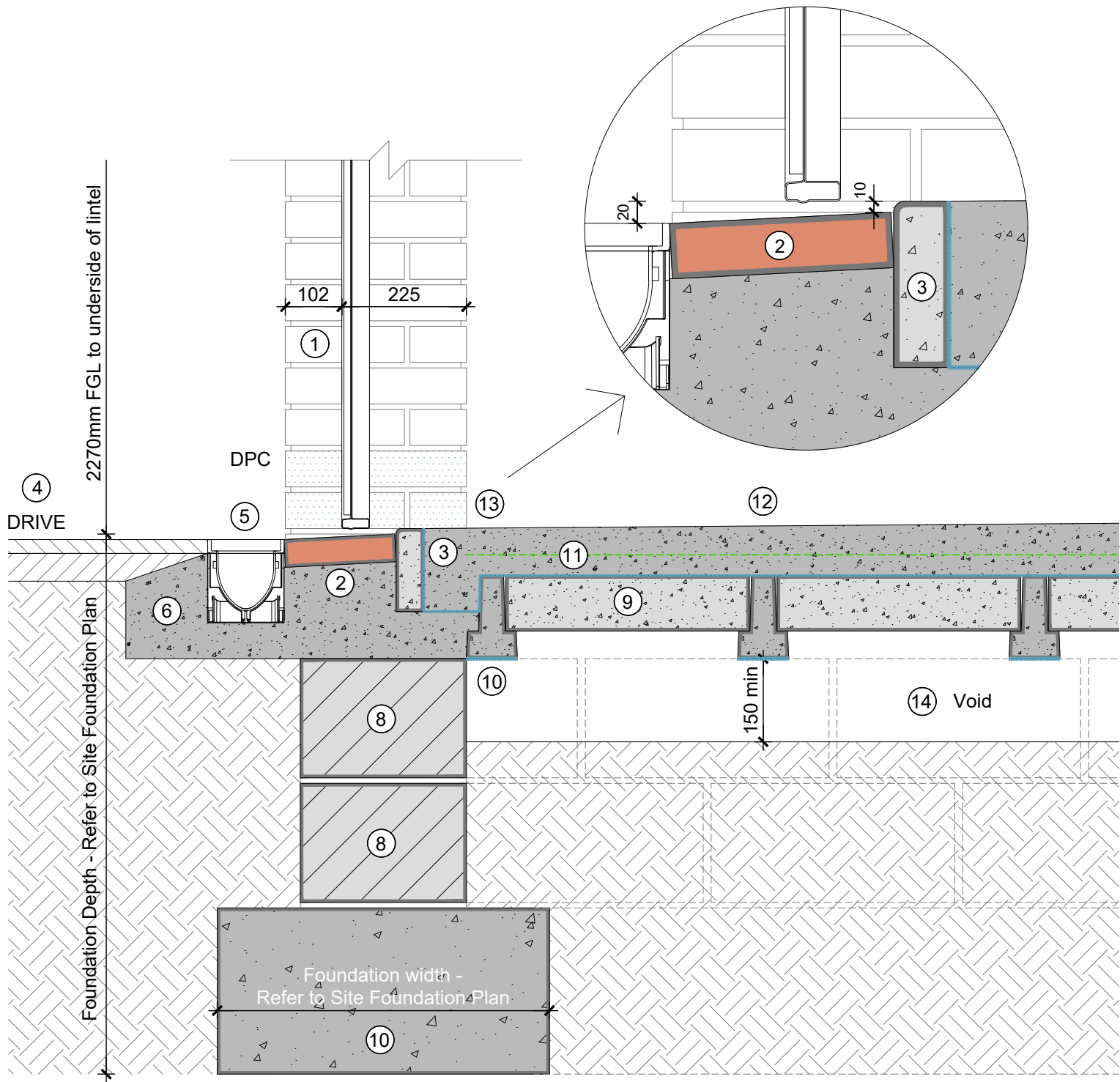
- 2 200 x 100 x 50mm concrete block paving full length between piers. FGL to be set 20mm below garage floor.
- 3 Bull nosed edging EBN 150x50mm with 25mm upstand.
- 4 Refer to Materials Plan for drive finish (Generally Tarmac - site dependant).
- 5 138 x 150mm ACO HexDrain Pro (or similar approved) to 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).

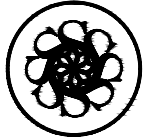
(1) For self-compacting concrete the slump flow class should be SF1 (550 mm to 650mm) or SF2 (660 mm to 750mm). The sand content should be greater than 45%.

(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.

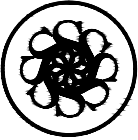
Void

- 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.

P8			
 DAVIDSONS			
Garage Type: SG3-4 Twin Single Garage Hipped		Date: 21.10.19	
Description: Door Swing & Anchor Positions		Description: Garage threshold detail updated as per FN-01-05.	
Project: -4 Group Garage		Rev: A	
Scale: N/A		Total Floor Area: 324 sq'ft	
Date: June 18		Spec: n/a	
Drawn: NR		Checked:	

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.

P9



DAVIDSONS

Date:

Description:

Total Floor Area: 324 sq'ft

Rev:

Garage Type: SG3-4 Twin Single Garage Hipped

Description: Health & Safety

Project: -4 Group Garage

Scale:n/a

Date:June 18

Drawn: NR

Checked:

Spec:n/a