

# FLOOR JOIST PLAN, 1st Floor

# BRACKET SCHEDULE, 1st Floor

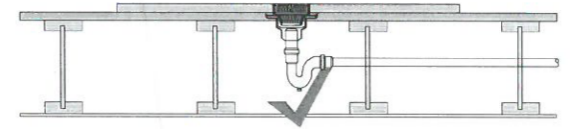
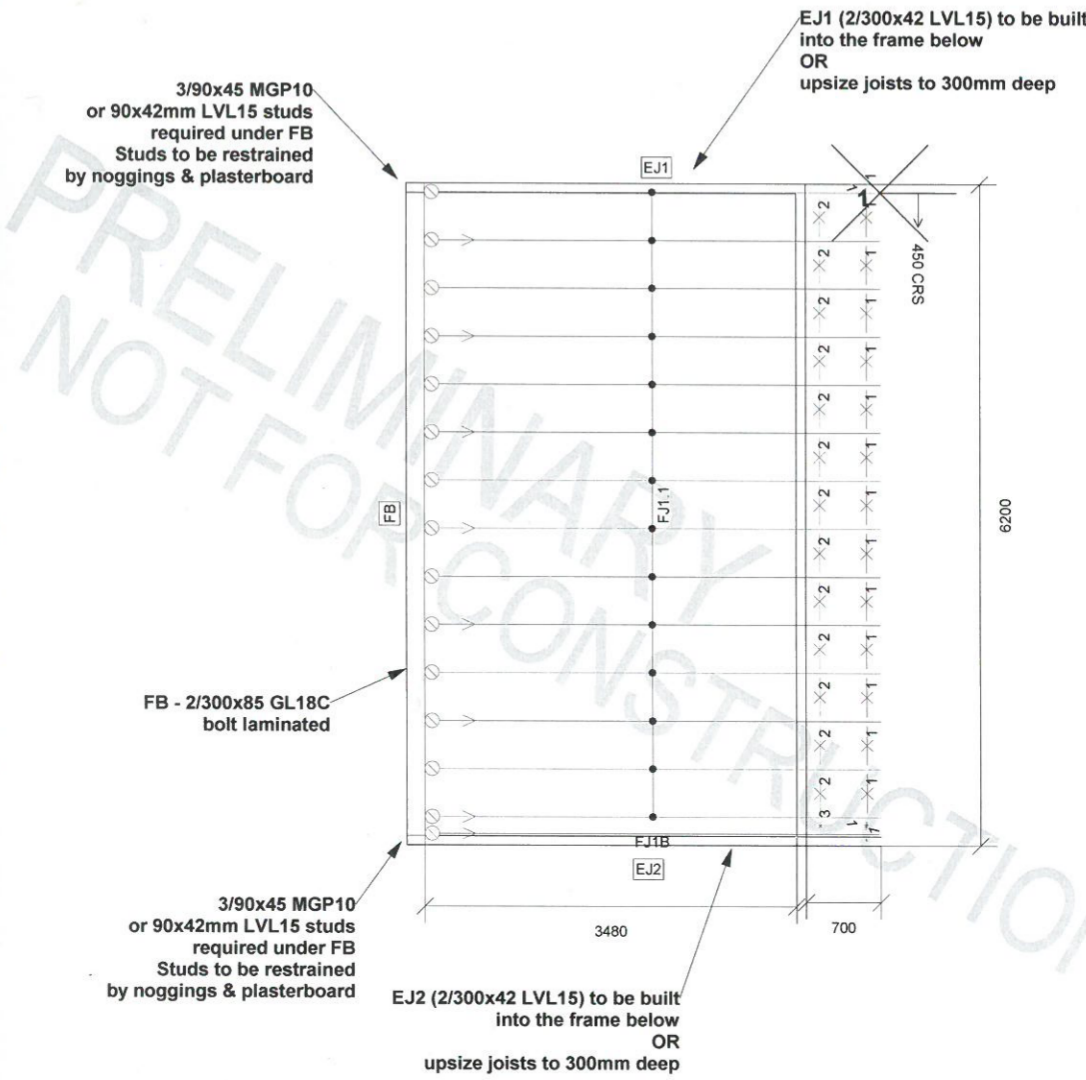
BRACKET	FIXING REQUIREMENT
24051F Joist Hanger *1	Connect using 12/3.75x40 nails

Refer to bracket manufacturers specifications for fixing requirements.

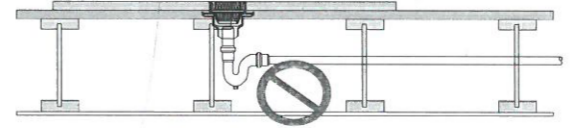
Loads adopted for design	
Roof Dead Load =	90 kg/m2
Ceiling Dead Load =	8 kg/m2
Upper Floor Dead Load =	40 kg/m2
Lower Floor Dead Load =	40 kg/m2
Wall Dead Load =	32 kg/m2
Floor Live Load =	1.5 kPa
Floor Point Live Load =	1.8 kN
Balcony Dead Load =	125 kg/m2
Balcony Live Load =	2.0 kPa
Wind Speed N3	

LEGEND :	
○	Face hanging brackets
-1-	SmartRim blocking
-2-	410mm SJ240 SmartJoist blocking
-3-	SJ24051 SmartJoist blocking
▨	Internal load bearing walls
→	Joist lay direction
●	Mid-Point of the Joist
○	Joist setout point
WO	Waste Outlet

MARK	MATERIAL & SPACING
FJ1	SJ24051 SmartJoist H2S Treated at 450 c/c



Is it the responsibility of the installer to position joists away from flooring plumbing penetration.



Position Joist Away From Waste Outlet  
SD10

- 1) It is the responsibility of the installer to locate joists away from flooring plumbing penetrations.
- 2) Builder to ensure the layout represents the required lengths and quantities.
- 3) Refer to the hole chart prior to cutting hole in the web of SmartJoist.
- 4) Do not cut, notch or drill through the I-Joists flanges.
- 5) End joist under the load bearing wall to be blocked/laterally restrained at the end as per Detail F1, F2 & F3, refer to the supplied installation guide for the blocking installation requirements.
- 6) Builder to ensure all point loads are fully supported by a pier, stump or post.
- 7) Compression blocks to be installed to SmartJoist/SmartRim under all point loads from beams, critical/jamb studs & GT/TGT trusses, refer to Detail F8, F13, F30A, F30B & F30C.

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- (f) 'domestic floor live loads' are the live loads as described in AS/NZS 1170.1 Structural design actions - Permanent, imposed and other actions.
- (g) 'commercial floor live loadings' are live loads as described in AS/NZS 1170.1 for all categories other than 1 HOUSES.

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POWERED BY INNOVATION

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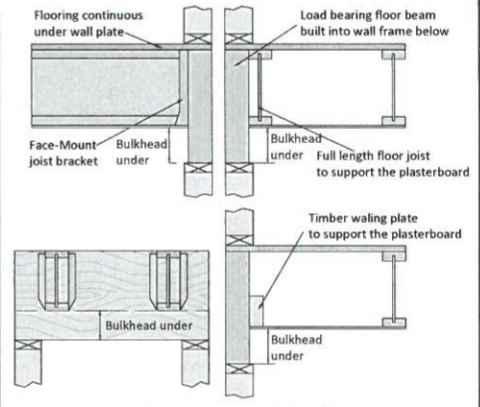
Job : Proposed addition  
At : 11 Hough Street, Colyton

Specifier : Jimmy Chang  
Reference : 2020-082-800  
Date : 21/10/2020  
Scale : 1 : 50

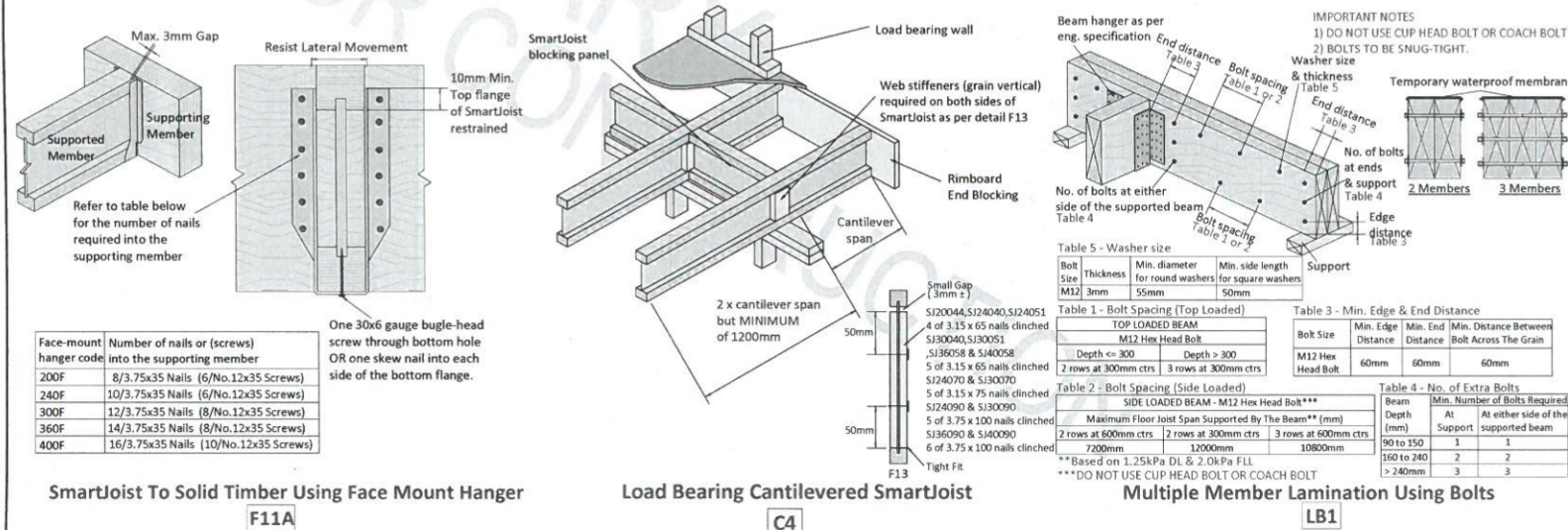
Sheet  
1 of 2

# MEMBER SCHEDULE, 1st Floor

MARK	SIZE	JOIST NUMBERS	SUPPLY LENGTH	COUNT	LEFT SUPPORT	RIGHT SUPPORT	NOTES
CART	CART		0	1			Delivery
EJ1	2/300x42 SmartLVL 15 H2S Treated		4.500	2		Full bear onto	NOTE : Laminate beams together as per pAS1684.2 or Detail LB1, LB2, LB3
EJ2	2/300x42 SmartLVL 15 H2S Treated		4.500	2		Full bear onto	NOTE : Laminate beams together as per pAS1684.2 or Detail LB1, LB2, LB3
FB	2/300x85 SmartLam GL18C		6.600	2	Full bear onto	Full bear onto	NOTE : Laminate beams together as per pAS1684.2 or Detail LB1, LB2, LB3
FJ1	SJ24051 SmartJoist H2S Treated	1	4.500	14	24051F Joist Hanger *1	Full bear onto	Joists are spaced at 450mm c/c. from setout point 1
FJ1B	SJ24051 SmartJoist H2S Treated		4.500	1	24051F Joist Hanger *1		Joists next to EJ2
FJ1-B1	240 Deep SmartJoist H2S Treated		0.399	13			Number of blocks for joists FJ1
FJ1-B2	SJ24051 SmartJoist H2S Treated		0.46 lm	-			Random lengths required for blocking for joists FJ1
FJ1-B3	240 deep SmartRim (for blocking) H2S Treated		6.58 lm	-			Required for blocking for joists FJ1



Load Bearing Floor Beam Built Into Frame Below  
BB1



SmartJoist To Solid Timber Using Face Mount Hanger  
F11A

Load Bearing Cantilevered SmartJoist  
C4

Multiple Member Lamination Using Bolts  
LB1

Multiple Member Lamination Using Nails  
LB2

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