DO NOT SCALE THIS DRAWING

Linkwater Memorial Hall
1355 Queen Charlotte Drive
Linkwater

General
All construction is to be in accordance with this specification, the technical standards associated with that work, the manufacturer's literature, and generally accepted good trade practices.

Construction of the work shall be carried out by competent, experienced tradesperson.

Excavated material is to be removed from site unless otherwise noted. The contractor is to verify all details and dimensions on site prior to commencing any work.

Do not scale from drawings.

All standards referred to in this specification are assumed to be the most recent issue of the standard including amendments. This should be read in conjunction with structural engineers drawings.

Site datum top of peg 4.70m

Owners responsibility to maintain, good ground clearances & maintenance.
225mm min ground clearance to natural ground or
150mm min to permanent material

Concrete
C1. All concrete work shall comply with NZS 3109:2003, CONCRETE CONSTRUCTION.
C2. Concrete production must comply with NZS 4210:2001
C3. Construction of buildings under consideration complying with NZS 3604, NZS 4229, NZS 3104 and NZS 3109:1997
C4. All concrete shall be high grade with a compressive strength of not less than 20 MPa at 28 days.

Reinforcement
R1. D12 continuous bars
R.3 R10 stirrups @ 600mm crs
R.4 Bottom bars cover 75mm & edge cover 50mm NZS3604:2011

Timber Durability
(Refer to standard NZS 3602:2003)
T1. All timbers to be SG8 kiln dried unless specified
T2. Timber treatment: H3.2 treated (L.O.S.P. treatment is not acceptable, accept plywood).
T3. Timber treatment of ACQ or CuAz preservatives all fixings to be Stainless Steel type 304
T4. Fixing through H3.2 treated timber to be Stainless Steel
T5. Timber cut faces to be treated with Holdfast Metalex wood protector or similar product

COLORSTEEL Endura Roofing
Roof to be installed to NZBC E2/AS1:2011
NZ Metal Roof and Wall Cladding Code of Practice
0.55 COLORSTEEL Endura corrugated iron longrun
THERMAKRAFT CoverTec 407 roof underlay or similar

Gutters
COLORSTEEL Endura Continuous gutter & pre finished fascia
80mm Ø PVC downpipes

Plumbing
Sewer tie into existing reticulation system
Stormwater new soak pit

Soffit Linings
JH 4.5mm Hardie soffit exterior soffit lining to 70 x 35 battens @ 600mm crs - PVC jointers & paint finish.

Exterior Cladding
ShadowClad cladding Plywood & batten H3
over 20mm cavity battens H3.1
Ecoply Barrier 7mm Ecoply barrier H3.2

Insulation
Walls R2.8 - 90mm thk EARTHWOOL
Ceilings R3.6 - 175mm thk EARTHWOOL
Subfloor R1.80 - 60mm thk EXPOL BLACK

Aluminum Flashings
Manufactures to supply all flashings as required in Very High wind zone
Installed in accordance with E2/AS1:2011

Glazing
Mirrors & Shower doors
in bathrooms Grade 'A' Safety glass Toughened in accordance with NZS 4223.3:2016

Fire Protection
GIB Fire rated walls system (GBUW 120)
One Way protection 120/120/120
2 layers of 19mm Fyreline GIB boards on inside

General Structural Fixings Notes
Note: All Timbers to be SG8, Unless noted otherwise NZS 3602:2003.

Bottom plate to timber floor
1. External walls & internal wall bracing elements
   Hand Driven nails - 2 /100 x 3.75 @ 600mm crs or
   Power Driven nails - 3 /90 x 3.15 @ 600mm crs
2. Internal walls (may be nailed to floor decking)
   Hand Driven nails - 1 /100 x 3.75 @ 600mm crs
   Power Driven nails - 1 /90 x 3.15 @ 600mm crs
3. Trimmer not exceeding 2.4m long
   Hand Driven nails - 4 /100 x 3.75 end nailed or
   Power driven nails - 6 /90 x 3.15 end nailed

Stud to plate
4. 4 /75 x 3.15 (skewed) or 2 /100 x 3.75 (end nailed)
   (Refer Table 8.19 - Nailing Schedule in NZS 3604:2011).

Top plate
5. Type B - 2 /90 x 3.15 end nails + 2 wire dogs ALT 4.7kN
   (Refer to Table 8.18 - Fixing of top plate of wall to supporting members in NZS 3604:2011 for standard nailing).

Ribbon board to top plate
6. 2/100 x 3.75 @500mm crs (hand driven)
   3/90x3.15 @500mm crs (power driven)
   (Refer to Table 8.19 - Nailing Schedule for hand driven & power driven nails NZS 3604:2011 for standard nailing).

Trusses
7. Type T - 1 /10g self-drilling screw, 80mm long fixing ALT 2.4kN (Refer Table 10.10 - Fixing Purlins on the flat in NZS 3604:2011)

Purlins
8. Type T - 1 /10g self-drilling screw, 80mm long fixing ALT 2.4kN
   (Refer Table 10.10 - Fixing Purlins on their flat in NZS 3604:2011)

Load Bearing Walls
9. 2.45m high, 90 x 45 @ 400mm crs.
   (Refer table 8.2 - Studs in laddering walls - SG8 NZS 3604:2011)

None Bearing Walls
10. 2.45m high, 90 x 45 @ 400mm crs.
    (Refer table 8.4 - Studs in non-load bearing walls - SG8 NZS 3604:2011)

Drawing Index

Sheet #	Sheet Name	Revision	Date
DRAWING LIST			
F1.0	Egress Route & Electrical Layout	01	01.04.20
A1.0	Site, Demolition & Drainage Plan	01	01.04.20
A1.1	Foundation & Wall Bracing Plan	01	01.04.20
A2.0	Existing Floor plan & Elevations	01	01.04.20
A2.1	Elevations	01	01.04.20
A3.0	Floor Plan	01	01.04.20
A3.1	Roof Plan & Window Schedule	01	01.04.20
A4.0	Floor Dimensions & Cross Sections	01	01.04.20
A5.0	Details	01	01.04.20
A6.0	Window Schedule	01	01.04.20

Fire & Accessible Report
Scala Test report

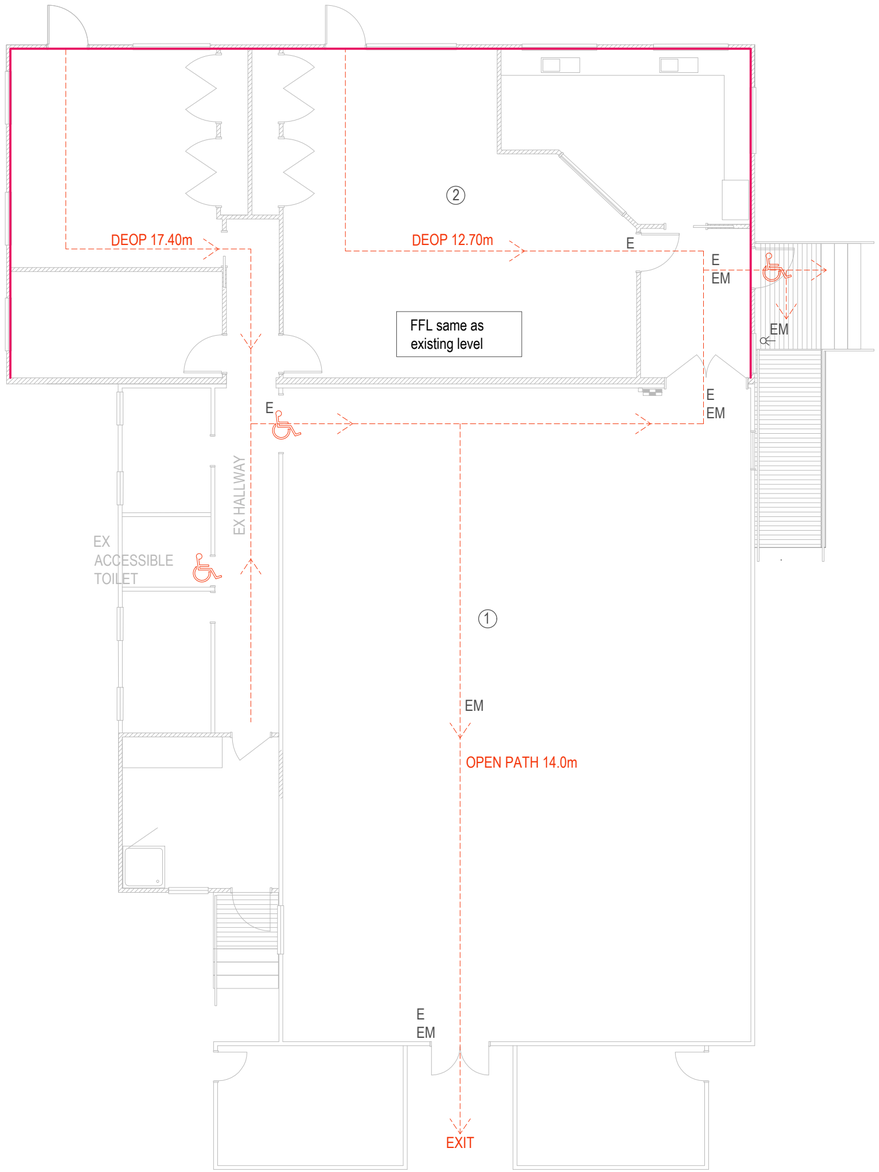
ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO ORDERING MATERIALS, BY THE MAIN BUILDING CONTRACTOR

THESE DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE ENGINEERING SPECIFICATIONS AS NOTED AND WITH SPECIFICATION PROVIDED SEPARATELY

REFER TO ATTACHED MASTERSPEC FOR SPECIFICATIONS

DO NOT SCALE THIS DRAWING

ISSUE CHANGE			© Copyright
Issue	Change	Issuer	Date
No 1	For Approval	DL	21.04.20



EGRESS ROUTE

SCALE 1:100 (A2)

NOTES

E - Exist Sign

EM - Accessibility Sign

Egress Route

Existing Accessible toilet

GIB Fire rated walls system (GBUW 120) Refer to fire report attached

Site plan showing 2 accessible carparks bays

Floor area
1 157m² Main Hall
2 50.8m² Supper room

Electrical Layout Legend :

EM Emergency lighting

Standard light switch

Two-way light switch

Standard switched double socket outlet

Fuse / switch board

E Exterior light

Telephone socket outlet

2 x 1200mm long fluorescent lights

2 x 1800mm long fluorescent lights

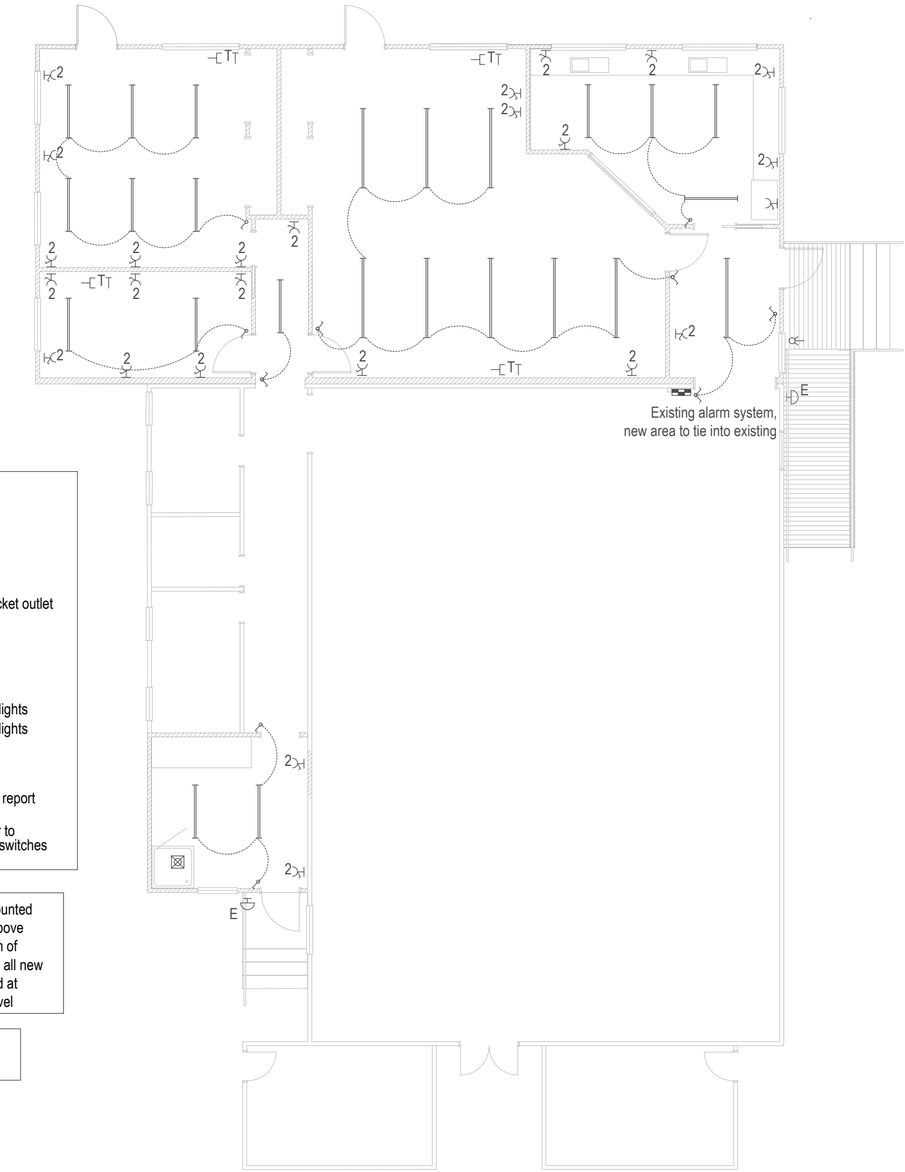
Ceiling extractor fan

Fire Alarm system in accordance with the fire report

Electrician to check with main contractor prior to ordering of materials for location of sockets / switches

Electrical power points to be mounted between 500-1200mm height above finished floor level and minimum of 500mm away from corners, and all new light switches are to be mounted at 1000mm above finished floor level

Lighting & Emergency Layout Accessibility report attached



ELECTRICAL LAYOUT

SCALE 1:100 (A2)

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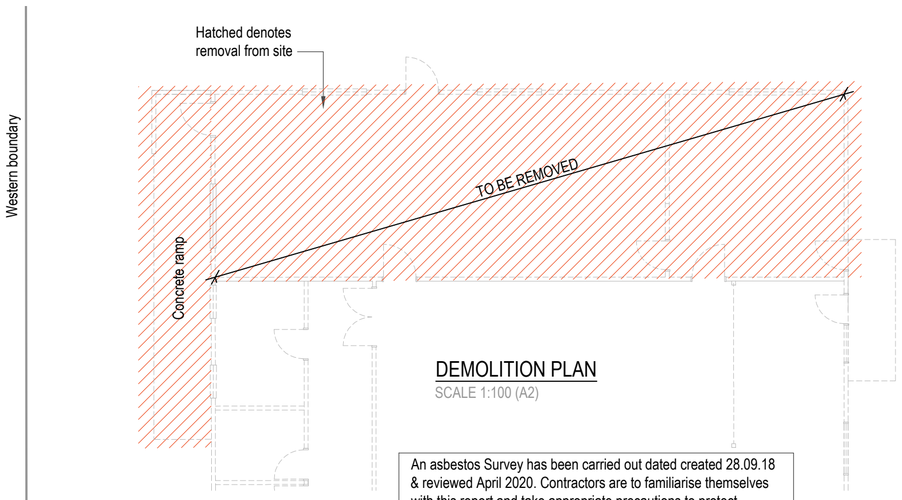
www.dlightfootdesigns.com
LBP No BP107656

Client: Linkwater Memorial Hall 1355 Queen Charlotte Drive Linkwater	Sheet Number F1.0 For Consent
Project: Hall Extension	DWG NO 1286 REV 01
Egress Route & Electrical Layout	Scale at A2

DO NOT SCALE THIS DRAWING

SITE PLAN
SCALE 1:250 (A2)



DEMOLITION PLAN
SCALE 1:100 (A2)

An asbestos Survey has been carried out dated created 28.09.18 & reviewed April 2020. Contractors are to familiarise themselves with this report and take appropriate precautions to protect personnel, occupants and the public from any exposure

N
W E
S

PROJECT INFORMATION

Territorial Authority Marlborough District Council

Reference Numbers
Resource Consent :
Project Information Memorandum :
Building Consent :

Legal Description

Section 2 SECT 15 Mahakipawa DIST

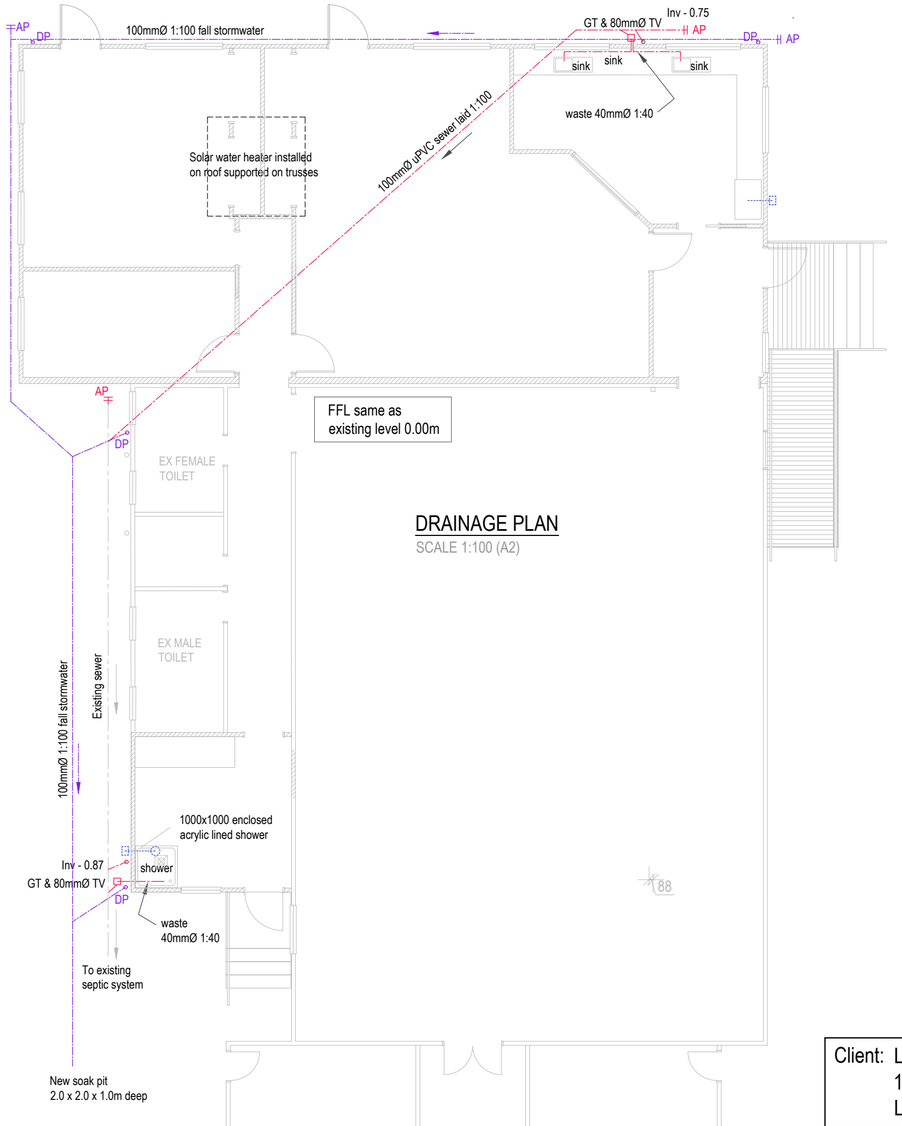
Resource Management Plan : Wairau / Awatere District Plan

Earthquake Zone	: Zone 3
Corrosion Zone	: Zone C
Climate Zone	: 3
Wind Region	: W
Wind Zone	: Very High
Snow Loading	: N3
Rainfall Intensity	: 50 - 60

Boundaries are approximate only

AERIAL VIEW
SCALE N.T.S.

SITE LOCATION
SCALE 25000 (A2)



DRAINAGE PLAN
SCALE 1:100 (A2)

LEGEND

DRAINAGE SCHEDULE Building Code G13 AS1/ NZS
Waste pipes, Sizes, Falls & Unvented Length

Fixture	Min Size	Min Fall	Max unvented length
Sink	40mm	1:40	2.5m
Shower	40mm	1:40	2.5m
Stormwater	100mm	1:100	
Sewer	100mm	1:100	
Terminal vent	80mm Ø		
Down pipe	80Ø PVC		

KEY

- 100mm Ø uPVC Sewer
- Stormwater tie into existing system drainlayer to confirm location
- Light extractor unit ducted thru soffit
- AP Access Panel
- Pipe penetrations in accordance with E2/AS1 paragraph 9.1.9.3

Pipe-runs to kitchen from hotwater
In accordance with NZS4305

Nominal pipe size (mm)	(10)	15	20
Length (m)	(25)	12	7

Baths, Basins, & Sinks, Joints against Wall Linings in accordance with E3/AS1 paragraph 3.2.2

ISSUE CHANGE

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No 1	For Approval	DL	21.04.20

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LICENCED BUILDING PRACTITIONER BUILDING CONFIDENCE www.dbh.govt.nz

Client: Linkwater Memorial Hall
1355 Queen Charlotte Drive
Linkwater

Project: Hall Extension

Site, Demolition & Drainage Plan

Sheet Number
A1.0
For Consent

DWG NO 1286
REV 01
Scale at A2

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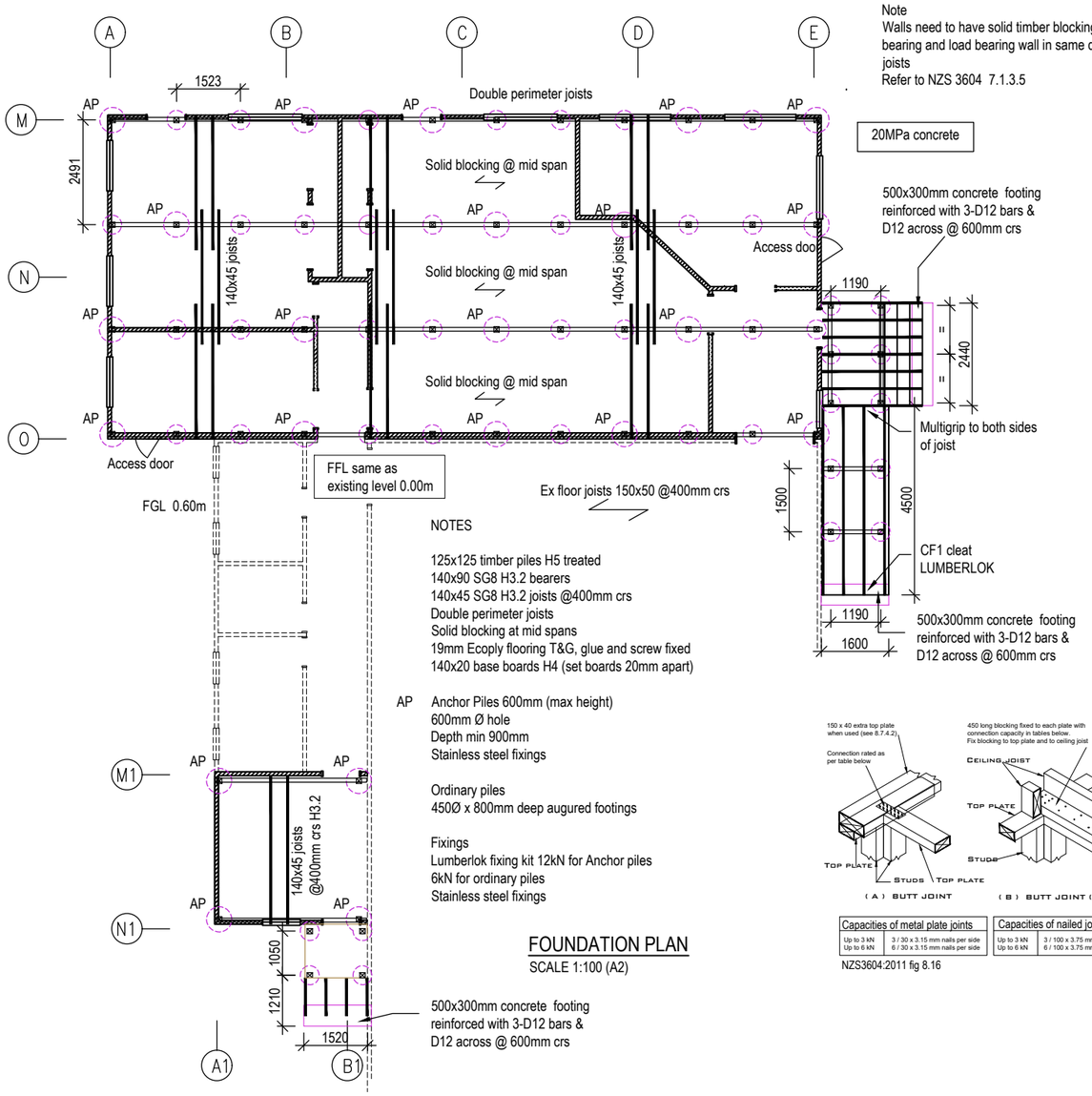


Note
Walls need to have solid timber blocking under non load bearing and load bearing wall in same direction as the floor joists
Refer to NZS 3604 7.1.3.5

20MPa concrete

NOTES

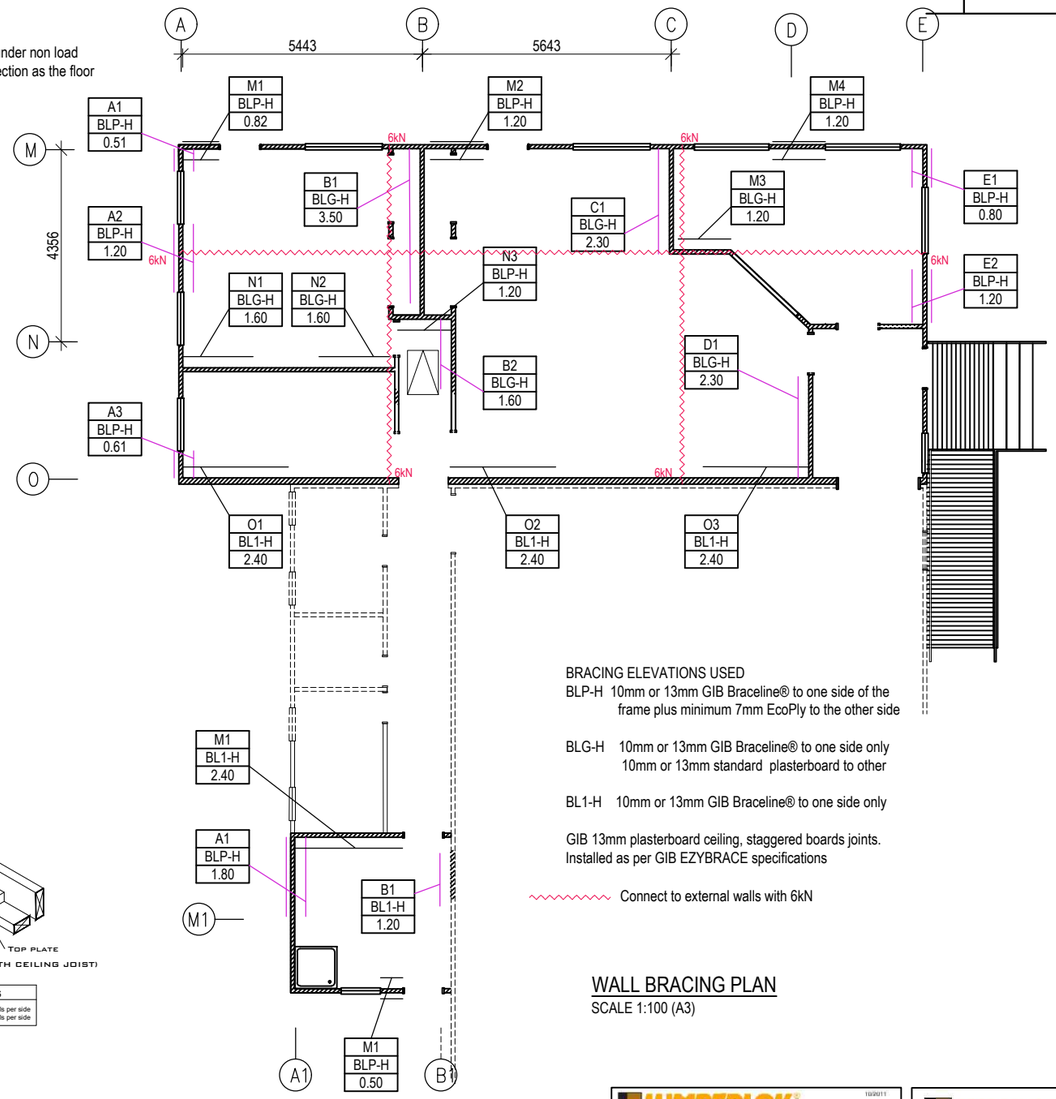
125x125 timber piles H5 treated
140x90 SG8 H3.2 bearers
140x45 SG8 H3.2 joists @400mm crs
Double perimeter joists
Solid blocking at mid spans
19mm Ecoply flooring T&G, glue and screw fixed
140x20 base boards H4 (set boards 20mm apart)

AP Anchor Piles 600mm (max height)
600mm Ø hole
Depth min 900mm
Stainless steel fixings

Ordinary piles
450Ø x 800mm deep augured footings

Fixings
Lumberlok fixing kit 12kN for Anchor piles
6kN for ordinary piles
Stainless steel fixings

FOUNDATION PLAN
SCALE 1:100 (A2)



BRACING ELEVATIONS USED
BLP-H 10mm or 13mm GIB Braceline® to one side of the frame plus minimum 7mm EcoPly to the other side

BLG-H 10mm or 13mm GIB Braceline® to one side only 10mm or 13mm standard plasterboard to other

BL1-H 10mm or 13mm GIB Braceline® to one side only

GIB 13mm plasterboard ceiling, staggered boards joints. Installed as per GIB EZYBRACE specifications

Connect to external walls with 6kN

WALL BRACING PLAN
SCALE 1:100 (A3)

Capacities of metal plate joints	
Up to 3 kN	3 / 30 x 3.15 mm nails per side
Up to 6 kN	6 / 30 x 3.15 mm nails per side

Capacities of nailed joints	
Up to 3 kN	3 / 100 x 3.75 mm nails per side
Up to 6 kN	6 / 100 x 3.75 mm nails per side

NZS3604:2011 fig 8.16

Demand Calculation Sheet

Bracing Units required for Wind

	Along	Across
Single Level	619	1242
Subfloor Level	966	1951

Bracing Units required for Earthquake

	Along & Across
Single Level	1783
Subfloor Level	1977

Single Level Along Resistance Sheet

Job Name: Linkwater Memorial Hall
Timber Floor Limit of 120 BUs/m Applied

									Wind	EQ
									Demand	
									619	1783
									Achieved	
Line	Element	Length (m)	Angle (degrees)	Stud Ht. (m)	Type	Supplier	Wind (BUs)	EQ (BUs)	1789	1789
A	1	0.51		2.4	BLP-H	GIB®	61	61	289%	100%
	2	1.50		2.4	BLP-H	GIB®	180	180		
	3	1.20		2.4	BLP-H	GIB®	144	144		
									385 OK	385 OK
B	1	3.50		2.4	BLG-H	GIB®	420	420		
	2	1.60		2.4	BLG-H	GIB®	192	192		
									612 OK	612 OK
C	1	2.30		2.4	BLG-H	GIB®	276	276		
									276 OK	276 OK
D	1	2.30		2.4	BLG-H	GIB®	276	276		
									276 OK	276 OK
E	1	0.80		2.4	BLP-H	GIB®	96	96		
	2	1.20		2.4	BLP-H	GIB®	144	144		
									240 OK	240 OK

Single Level Across Resistance Sheet

Job Name: Linkwater Memorial Hall
Timber Floor Limit of 120 BUs/m Applied

									Wind	EQ
									Demand	
									1242	1783
									Achieved	
Line	Element	Length (m)	Angle (degrees)	Stud Ht. (m)	Type	Supplier	Wind (BUs)	EQ (BUs)	1922	1937
M	1	0.82		2.4	BLP-H	GIB®	98	98	155%	101%
	2	1.20		2.4	BLP-H	GIB®	144	144		
	3	1.20		2.4	BLP-H	GIB®	144	144		
	4	1.20		2.4	BLP-H	GIB®	144	144		
									530 OK	530 OK
N	1	1.60		2.4	BLG-H	GIB®	132	192		
	2	1.60		2.4	BLG-H	GIB®	192	192		
	3	1.20		2.4	BLG-H	GIB®	144	144		
									528 OK	528 OK
O	1	2.40		2.4	BL1-H	GIB®	288	250		
	2	2.40		2.4	BL1-H	GIB®	288	250		
	3	2.40		2.4	BL1-H	GIB®	288	250		
									864 OK	745 OK

Subfloor Level Along Resistance Sheet

Job Name: Linkwater Memorial Hall

									Wind	EQ
									Demand	
									966	1977
									Achieved	
Line	Element	Length or No.	Angle (degrees)		Type	Supplier	Wind (BUs)	EQ (BUs)	2880	2160
A	1	1.00			Anchor Pile	NZS3604	160	120	298%	109%
	2	1.00			Anchor Pile	NZS3604	160	120		
	3	1.00			Anchor Pile	NZS3604	160	120		
	4	1.00			Anchor Pile	NZS3604	160	120		
									640 OK	480 OK
B	1	1.00			Anchor Pile	NZS3604	160	120		
	2	1.00			Anchor Pile	NZS3604	160	120		
	3	1.00			Anchor Pile	NZS3604	160	120		
									480 OK	360 OK
C	1	1.00			Anchor Pile	NZS3604	160	120		
	2	1.00			Anchor Pile	NZS3604	160	120		
	3	1.00			Anchor Pile	NZS3604	160	120		
	4	1.00			Anchor Pile	NZS3604	160	120		
									640 OK	480 OK
D	1	1.00			Anchor Pile	NZS3604	160	120		
	2	1.00			Anchor Pile	NZS3604	160	120		
	3	1.00			Anchor Pile	NZS3604	160	120		
	4	1.00			Anchor Pile	NZS3604	160	120		
									640 OK	480 OK
E	1	1.00			Anchor Pile	NZS3604	160	120		
	2	1.00			Anchor Pile	NZS3604	160	120		
	3	1.00			Anchor Pile	NZS3604	160	120		
									480 OK	360 OK

Subfloor Level Across Resistance Sheet

Job Name: Linkwater Memorial Hall

									Wind	EQ
									Demand	
									1951	1977
									Achieved	
Line	Element	Length or No.	Angle (degrees)		Type	Supplier	Wind (BUs)	EQ (BUs)	2720	2040
M	1	1.00			Anchor Pile	NZS3604	160	120	139%	103%
	2	1.00			Anchor Pile	NZS3604	160	120		
	3	1.00			Anchor Pile	NZS3604	160	120		
	4	1.00			Anchor Pile	NZS3604	160	120		
									640 OK	480 OK
N	1	1.00			Anchor Pile	NZS3604	160	120		
	2	1.00			Anchor Pile	NZS3604	160	120		
	3	1.00			Anchor Pile	NZS3604	160	120		
	4	1.00			Anchor Pile	NZS3604	160	120		
	5	1.00			Anchor Pile	NZS3604	160	120		
	6	1.00			Anchor Pile	NZS3604	160	120		
	7	1.00			Anchor Pile	NZS3604	160	120		
	8	1.00			Anchor Pile	NZS3604	160	120		
									1280 OK	960 OK
O	1	1.00			Anchor Pile	NZS3604	160	120		
	2	1.00			Anchor Pile	NZS3604	160	120		
	3	1.00			Anchor Pile	NZS3604	160	120		
	4	1.00			Anchor Pile	NZS3604	160	120		
	5	1.00			Anchor Pile	NZS3604	160	120		
									800 OK	600 OK

Demand Calculation Sheet - Wet Room

Bracing Units required for Wind

	Along	Across
Single Level	341	334
Subfloor Level	532	525

Bracing Units required for Earthquake

	Along & Across
Single Level	96
Subfloor Level	107

Single Level Along Resistance Sheet

Job Name: Linkwater Memorial Hall - (Wet Room)
Timber Floor Limit of 120 BUs/m Applied

									Wind	EQ
									Demand	
									341	96
									Achieved	
Line	Element	Length (m)	Angle (degrees)	Stud Ht. (m)	Type	Supplier	Wind (BUs)	EQ (BUs)	348	330
A1	1	1.50		2.4	BLP-H	GIB®	216	216	102%	344%
									216 OK	216 OK
B1	1	1.50		2.4	BLG-H	GIB®	132	114		
									132 OK	114 OK

Single Level Across Resistance Sheet

Job Name: Linkwater Memorial Hall - (Wet Room)
Timber Floor Limit of 120 BUs/m Applied

									Wind	EQ
									Demand	
									334	96
									Achieved	
Line	Element	Length (m)	Angle (degrees)	Stud Ht. (m)	Type	Supplier	Wind (BUs)	EQ (BUs)	348	330
M1	1	2.40		2.4	BL1-H	GIB®	288	250	104%	344%
	2	0.50		2.4	BLP-H	GIB®	60	80		
									348 OK	330 OK

Subfloor Level Along Resistance Sheet

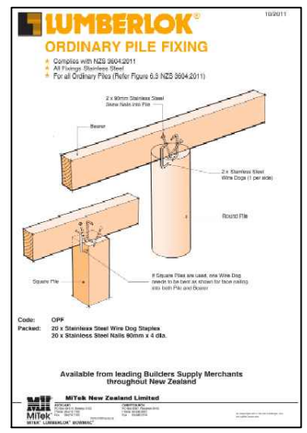
Job Name: Linkwater Memorial Hall - (Wet Room)

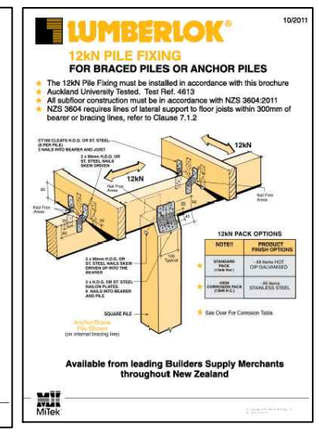
									Wind	EQ
									Demand	
									532	107
									Achieved	
Line	Element	Length or No.	Angle (degrees)		Type	Supplier	Wind (BUs)	EQ (BUs)	640	480
A1	1	1.00			Anchor Pile	NZS3604	160	120	120%	449%
	2	1.00			Anchor Pile	NZS3604	160	120		
									320 OK	240 OK
B1	1	1.00			Anchor Pile	NZS3604	160	120		
	2	1.00			Anchor Pile	NZS3604	160	120		
									320 OK	240 OK

Subfloor Level Across Resistance Sheet

Job Name: Linkwater Memorial Hall - (Wet Room)

									Wind	EQ
									Demand	
									525	107
									Achieved	
Line	Element	Length or No.	Angle (degrees)		Type	Supplier	Wind (BUs)	EQ (BUs)	640	480
M1	1	1.00			Anchor Pile	NZS3604	160	120	122%	449%
	2	1.00			Anchor Pile	NZS3604	160	120		
									320 OK	240 OK
N1	1	1.00			Anchor Pile	NZS3604	160	120		
	2	1.00			Anchor Pile	NZS3604	160	120		
									320 OK	240 OK





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www.dbh.govt.nz

Client: Linkwater Memorial Hall
1355 Queen Charlotte Drive
Linkwater

Project: Hall Extension

Foundation & Wall Bracing Plan

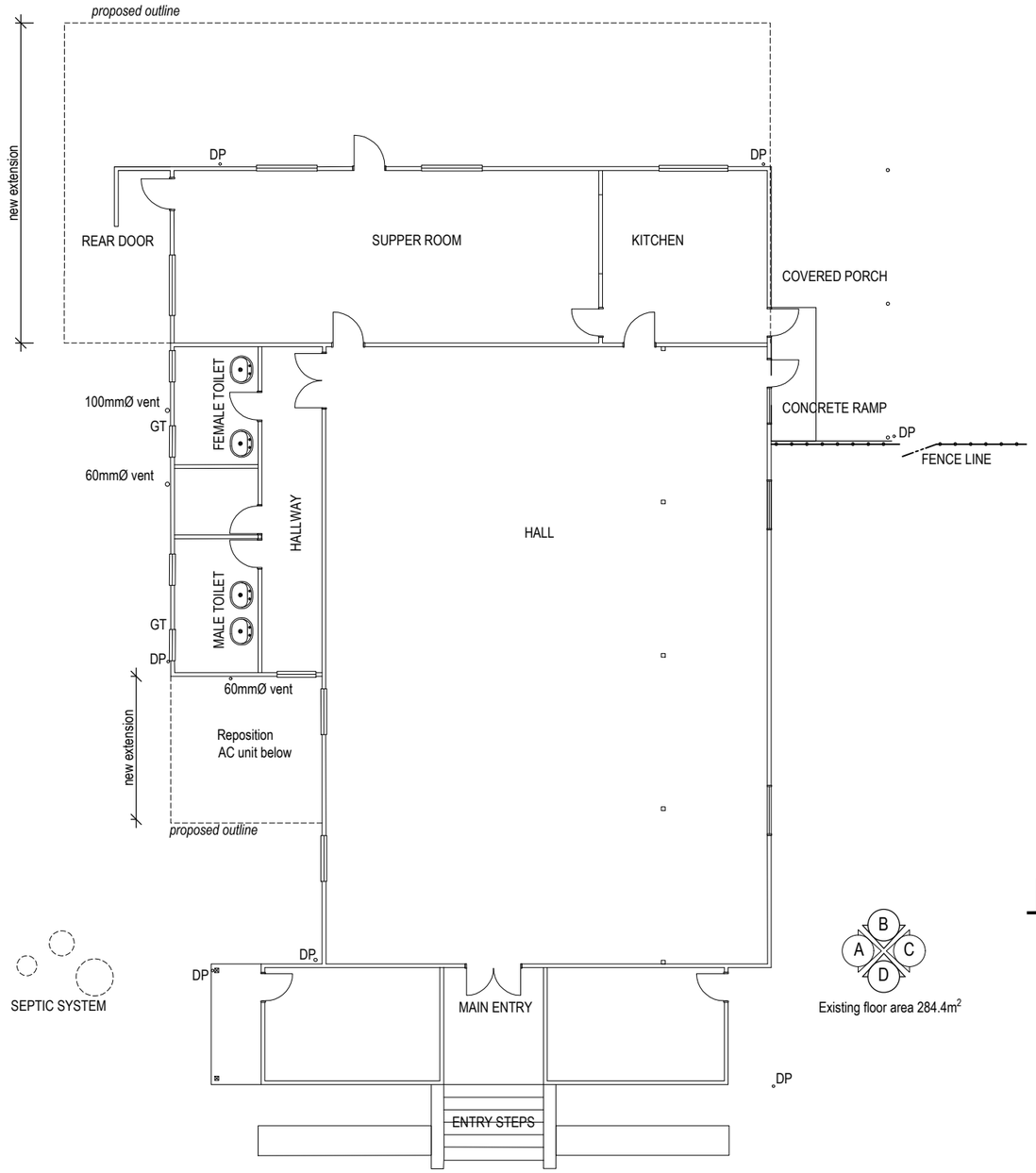
Sheet Number A1.1
For Consent

DWG NO 1286
REV 01
Scale at A2

DO NOT SCALE THIS DRAWING

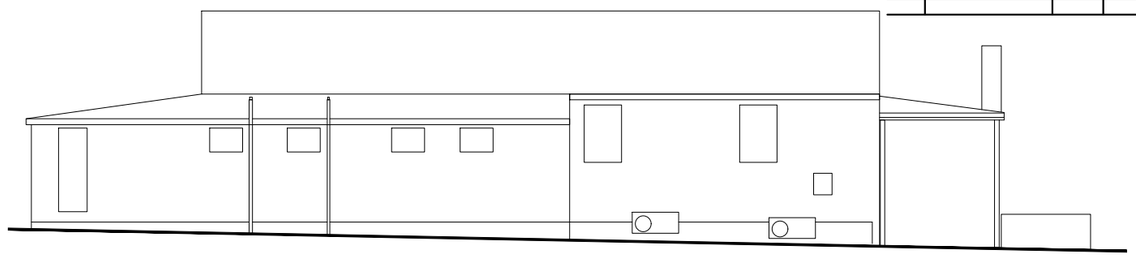
ISSUE CHANGE

Issue	Change	Issuer	Date
No 1	For Approval	DL	21.04.20

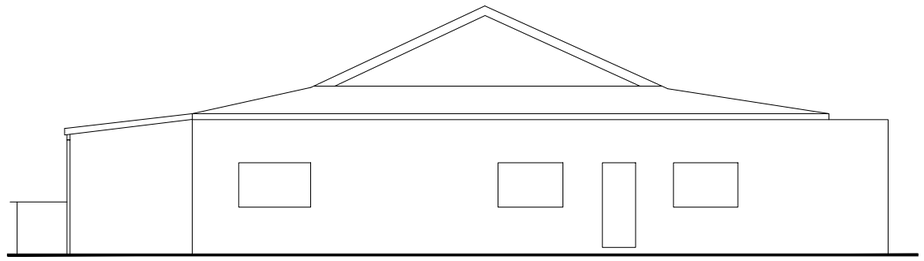


Existing floor area 284.4m^2

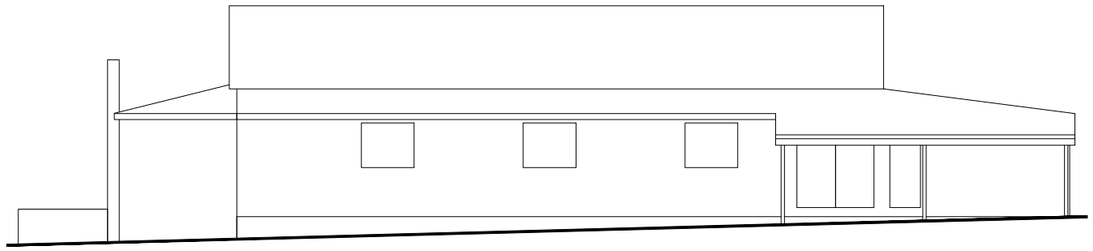
EXISTING FLOOR PLAN
SCALE 1:100 (A2)



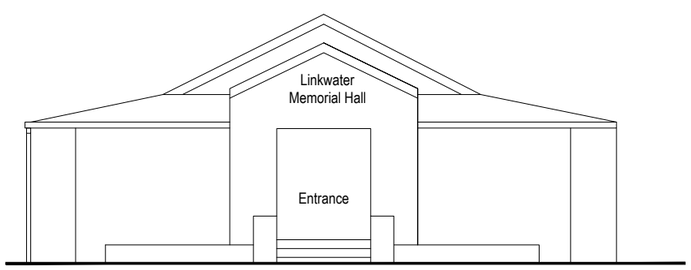
EXISTING WEST ELEVATION A
SCALE 1:100 (A2)



EXISTING NORTH ELEVATION B
SCALE 1:100 (A2)



EXISTING EAST ELEVATION C
SCALE 1:100 (A2)



EXISTING SOUTH ELEVATION D
SCALE 1:100 (A2)

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ADNZ ARCHITECTURAL DESIGNERS NZ

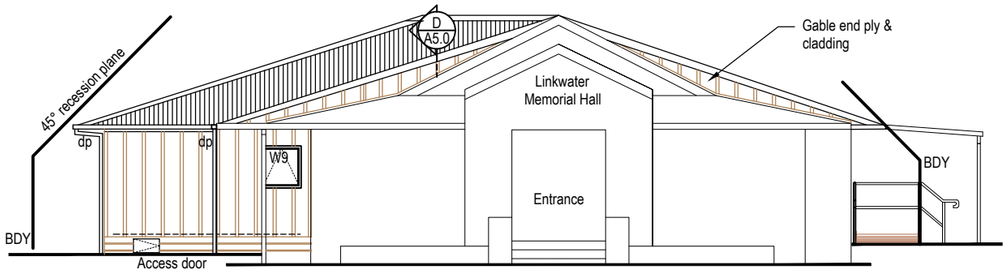
LICENSED BUILDING PRACTITIONER www.dbh.govt.nz BUILDING CONFIDENCE

Client: Linkwater Memorial Hall 1355 Queen Charlotte Drive Linkwater	Sheet Number A2.0 For Consent
Project: Hall Extension	DWG NO 1286 REV 01
Existing Floor plan & Elevations	Scale at A2

DO NOT SCALE THIS DRAWING

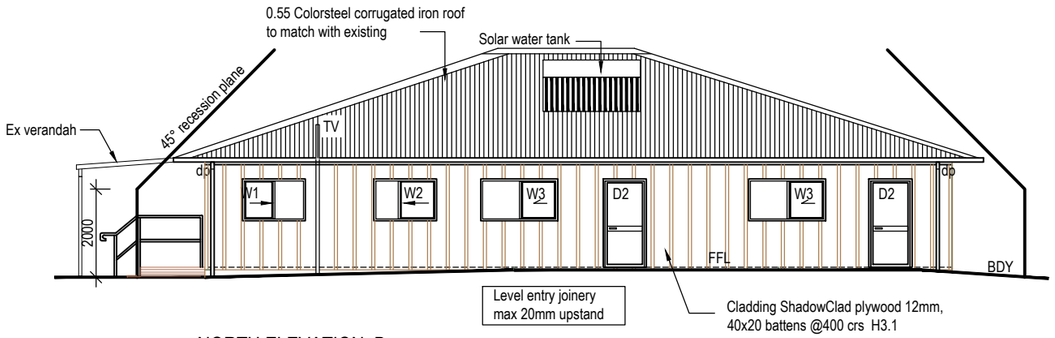
ISSUE CHANGE

Issue	Change	Issuer	Date
No 1	For Approval	DL	21.04.20



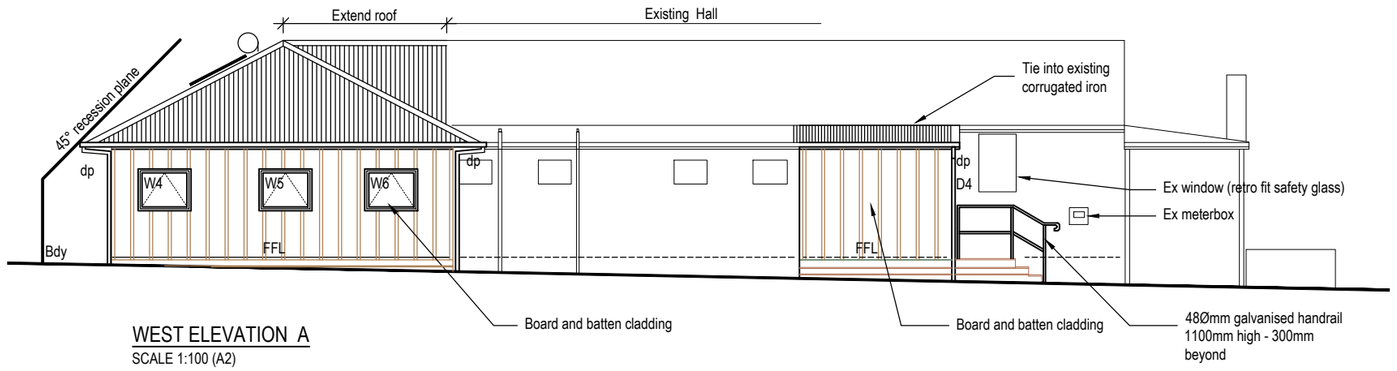
SOUTH ELEVATION D

SCALE 1:100 (A2)



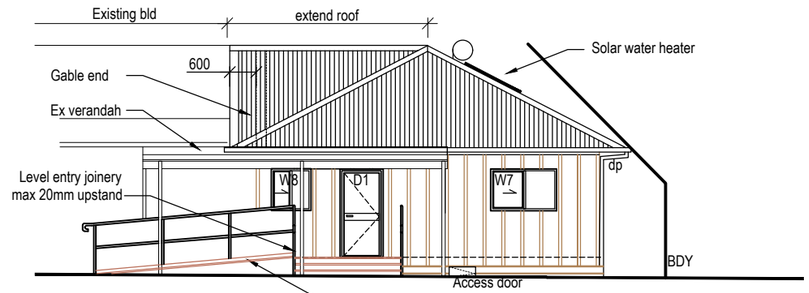
NORTH ELEVATION B

SCALE 1:100 (A2)



WEST ELEVATION A

SCALE 1:100 (A2)



EAST ELEVATION C

SCALE 1:100 (A2)

BUILDING ENVELOPE RISK MATRIX		
A,B, & C elevations		
Risk Factor	**Risk Severity**	**Risk Score**
Wind zone (per NZS 3604)	Very High	2
Number of Storey's	Low Risk	0
Roof/ wall intersection design	Low Risk	0
Eave width	High Risk	2
Envelope Complexity	Medium Risk	1
Deck Design	Low Risk	0
Total Risk Score		**5**

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Client: Linkwater Memorial Hall
1355 Queen Charlotte Drive
Linkwater

Project: Hall Extension

Floor plan & Elevations

Sheet Number
A2.1
For Consent

DWG NO 1286
REV 01
Scale at A2

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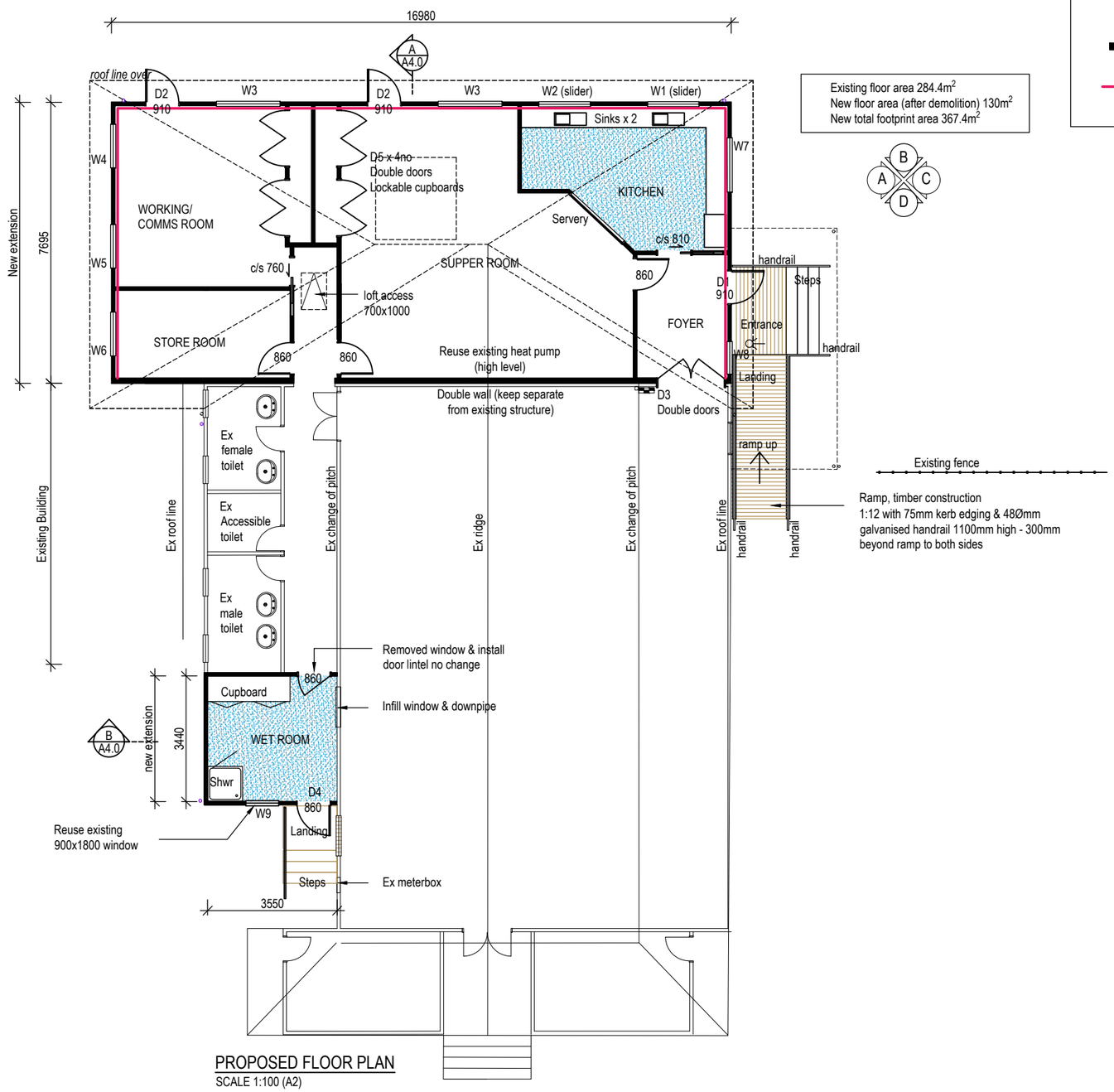
ISSUE CHANGE			
Issue	Change	Issuer	Date
No 1	For Approval	DL	21.04.20



PROPOSED FLOOR PLAN
SCALE 1:100 (A2)

Existing floor area 284.4m²
New floor area (after demolition) 130m²
New total footprint area 367.4m²

B
A C
D

LEGEND

90x45 SG8 framing @ 400mm crs &
dwangs @800mm crs H1.2

GIB Fire rated walls system (GBUW 120)
2 layers of 19mm GIB Fyreline one side

NOTES

DIMENSIONS
ALL DIMENSIONS ARE TO FRAMING UNLESS OTHERWISE STATED.

RECESSED DOWNLIGHTS
ALL RECESSED LUMINATED TO BE IC-F RATED LED DOWNLIGHTS.

LINTELS
ALL LINTELS & BEAMS TO BE SG8 OR GREATER FOR PREVENTION OF UPLIFT REFER TO "MITEK LUMBERLOK" LINTEL FIXING SCHEDULE " TYPE" DEFINITIONS.

WET AREAS WALL LININGS

GIB AQUALINE WET WALL LININGS FINISHED WITH SEMI-GLOSS OR GLOSS PAINT. AS PER ACCEPTABLE SOLUTION E3/3.2.1 WALLS.

TIMBER FRAMING

EXTERIOR AND LOAD-BEARING WALLS TO BE FRAMED WITH 90x45mm SG8 STUDS @ 400mm MAX CRS UNLESS OTHERWISE SHOWN. ALL OTHER INTERNAL STUDS TO BE SG8 STUDS @ 600mm MAX CRS. ALL EXTERNAL WALL FRAMING SHALL BE PRESERVATIVE TREATED "H1.2" WITH "H1.2" BOTTOM PLATES.

UNLESS OTHERWISE STATED ALL OTHER FRAMING TIMBER (INCLUDING FLOOR, ROOF, DECK, ETC.) SHALL HAVE A MINIMUM GRADE SG8.

ROOFING CLADDING

27° ROOF PITCH
ROOF CLADDING
0.4mm COLORSTEEL ENDURA
LONG RUN IRON

ROOF TRUSSES BY OTHERS
TRUSS MANUFACTURE SHALL PROVIDE A PRODUCER STATEMENT PRIOR TO FABRICATION. S
SITE MEASURE PRIOR TO FABRICATION

EXTERIOR CLADDING
SHADOWCLAD & COVER BATTENS OVER DRAINED CAVITY ON 7mm RIGID AIR BARRIER (ECOPLY)

SOLAR HOT WATER SYSTEM
INSTALLED ON ROOF

ALUMINIUM JOINERY
DOUBLE GLAZED UNITS

KITCHEN & BATHROOM FLOOR COVERING
TARKETT VINYL ANTI-SLIP WITH COVED SKIRTING 100mm

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Client: Linkwater Memorial Hall 1355 Queen Charlotte Drive Linkwater	Sheet Number A3.0 For Consent
Project: Hall Extension	DWG NO 1286 REV 01
Floor Plan	Scale at A2

DO NOT SCALE THIS DRAWING

ISSUE CHANGE

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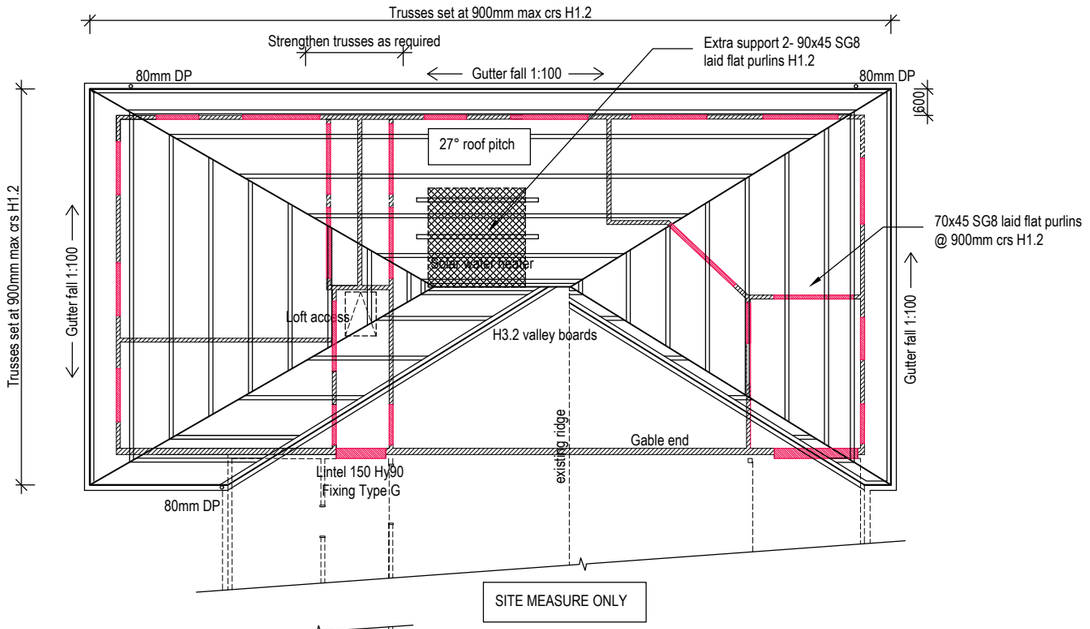
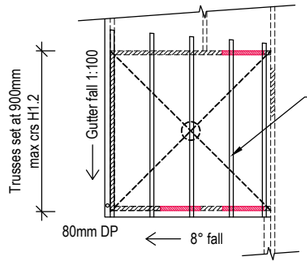


SITE MEASURE ONLY



ROOF PLAN
SCALE 1:100 (A2)

0.55 COLORSTEEL longrun corrugated profile metal
THERMAKRAFT CoverTec 407 roof underlay or similar

Fixings
Truss
Refer to truss manufactures fixings details

Purlins
Type T - 1 /10g self-drilling screw, 80mm long fixing ALT 2.4kN (Refer Table 10.10 - Fixing Purlins on the flat in NZS 3604:2011)

Roof cladding to purlins
TEKS® self-drilling screws 12-14 x 68

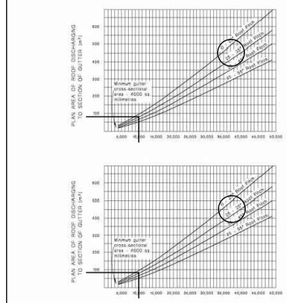
KEY
Indicates lintels locations above garage level

Total roof area 141m^2
Wet room roof area 14.2m^2

Valley area maximum
catchment roof area 25m^2

REFER TO TRUSS LAYOUT ATTACHED

CROSS-SECTIONAL AREA OF SECTION OF EXTERNAL GUTTER (mm²)
(Based on a rainfall intensity of 100mm/hr)



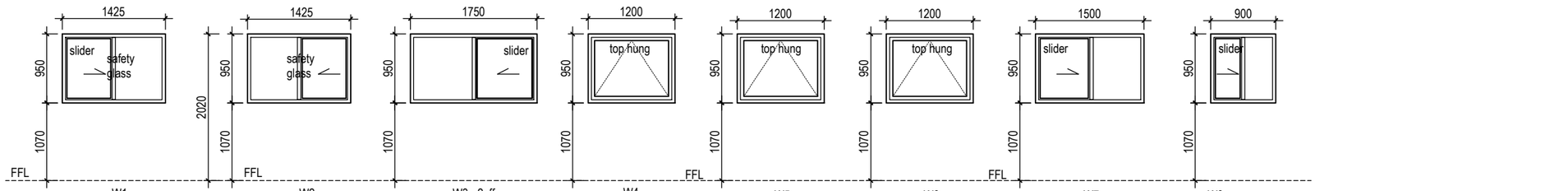
DOWNPIPE SIZES FOR GIVEN ROOF PITCH AND AREA (Table 5)

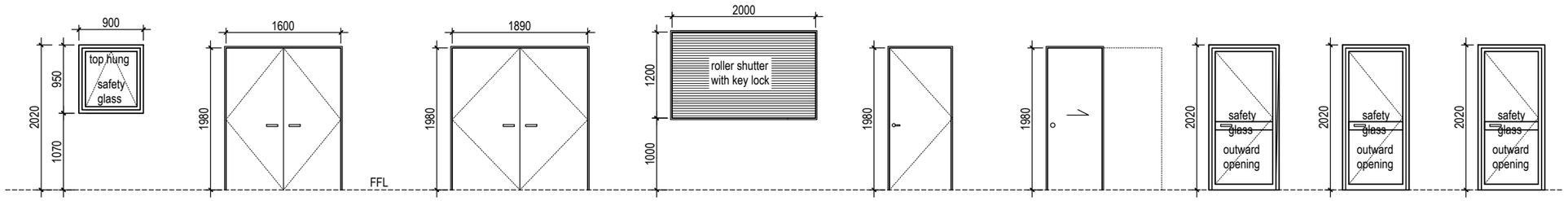
Downpipe size (mm) (minimum internal sizes)	Roof pitch 0-25°	25-35°	35-45°	45-55°
	Plan area of roof served by the downpipe (m²)			
63 mm diameter	60	50	40	35
75 mm diameter	95	75	60	50
100 mm diameter	155	130	110	90
150 mm diameter	350	290	250	200
65 x 50 rectangular	60	50	40	35
100 x 50 rectangular	100	90	70	60
75 x 75 rectangular	110	90	80	65
100 x 75 rectangular	150	120	105	90

Table 8: Maximum catchment areas for valley gutters
Paragraphs 8.1.6.2, 8.4.16.2, 9.7.7.1, 9.9.4.4, 9.9.10.1, Figures 27, 37 and 51

Gutter width	Maximum catchment area	Minimum roof pitch
250 mm	25 m^2	8°
160 mm to 249 mm	16 m^2	12.5°

NOTE: Catchment areas are limited to:
(1) Gutters in accordance with Paragraph 8.1.6.2.
(2) Rainfall intensity with average recurrence interval (ARI) no greater than 200 mm per hour.





NOTE:
Site information
Wind Zone - Very High
Exposure zone C

SITE MEASURE ALL WINDOW & DOORS OPENINGS PRIOR TO MANUFACTURING

New flashing & flashing tape as per E2:2011.
DANCO TB 830 aluminium foil tape in addition to flashing tape or similar.
Openings to be confirmed on site
Window manufacture to allow +10mm rough opening.
Wall underlay turned into framing reveals & taped at corners.

Powdercoated flashings supplied by fabrication manufacture.

Aluminum Powdercoated colour to be advised

Sill support bar over 600mm width
Refer to E2/AS1:2011.

All windows / doors double glazed (0.26)
Grade 'A' Safety glass Toughened in accordance with NZS 4223.3:2016

VIEWS TAKEN FROM OUTSIDE

Lintel fixings taken from LUMBERLOK fixing schedule attached

Standard painted softwood reveals grooved for plasterboards

Door Hardware 1 and half pair of hinges
Handle set & locking as required

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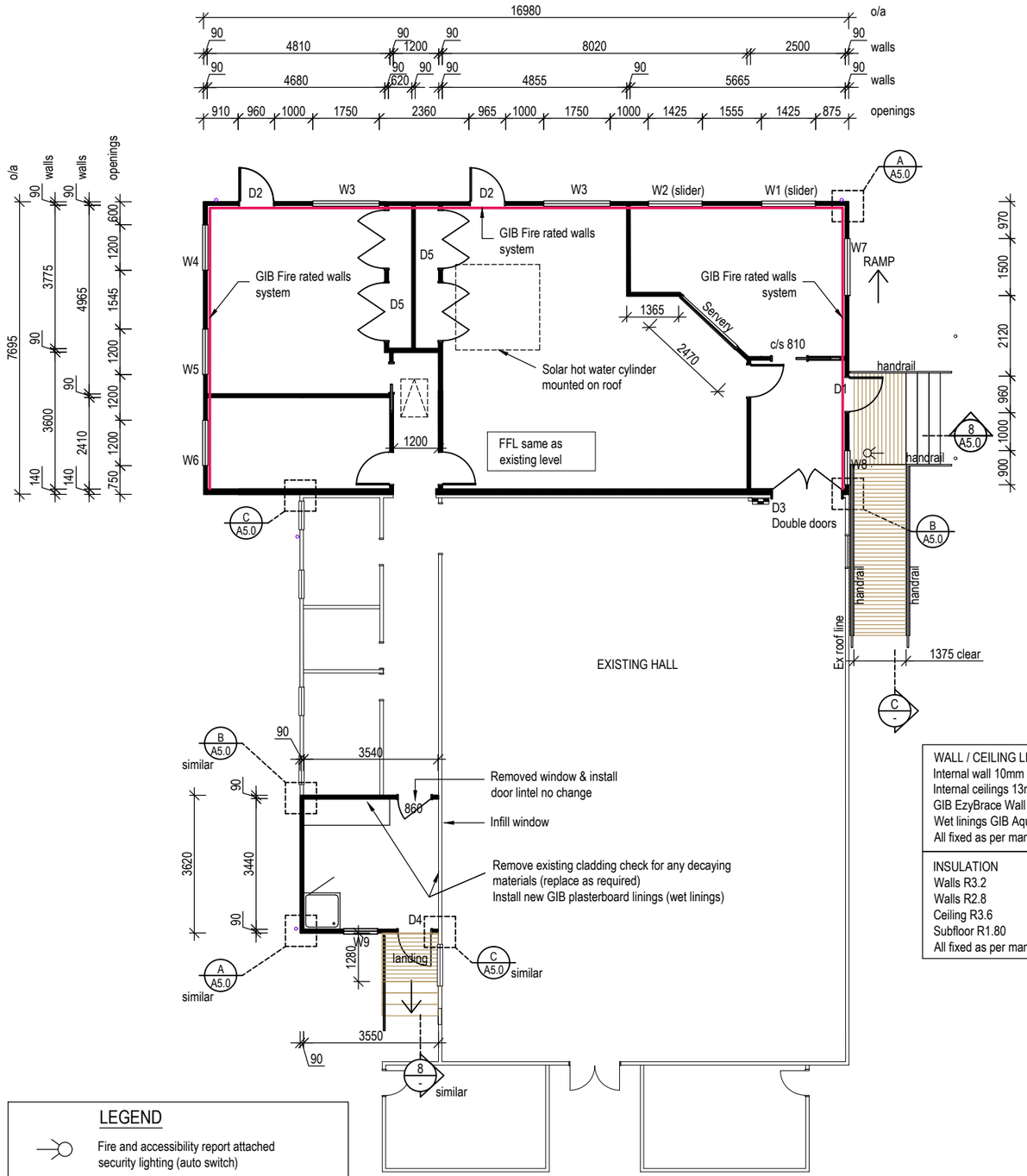
Client: Linkwater Memorial Hall 1355 Queen Charlotte Drive Linkwater	Sheet Number A3.1 For Consent
Project: Hall Extension	DWG NO 1286 REV 01
Roof Plan & Window Schedule	Scale at A2

DO NOT SCALE THIS DRAWING

ISSUE CHANGE

Issue	Change	Issuer	Date
No 1	For Approval	DL	21.04.20



FLOOR DIMENSIONS
SCALE 1:100 (A2)

LEGEND

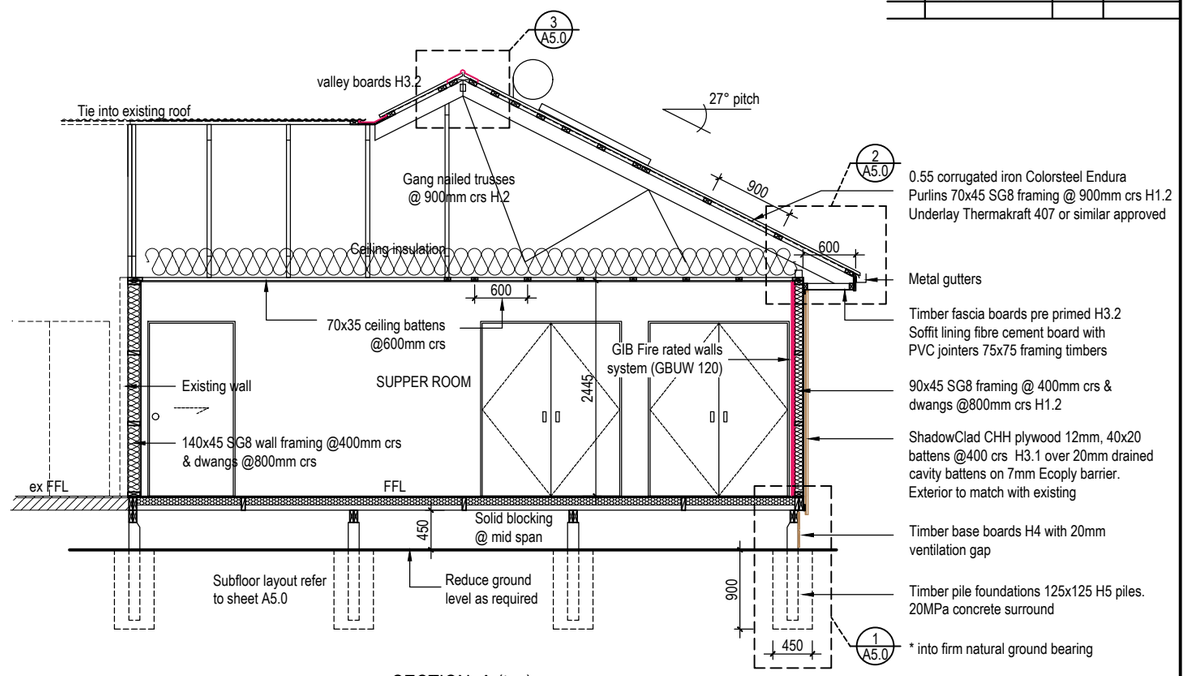
- Fire and accessibility report attached security lighting (auto switch)
- 90x45 SG8 framing @ 400mm crs & dwangs @800mm crs H1.2
- GIB Fire rated walls system (GBUW 120) 2 layers of 19mm GIB Fyreline one side

WALL / CEILING LININGS
Internal wall 10mm GIB plasterboards
Internal ceilings 13mm GIB plasterboards
GIB EzyBrace Wall Bracing System
Wet linings GIB Aqualine boards
All fixed as per manufactures specifications

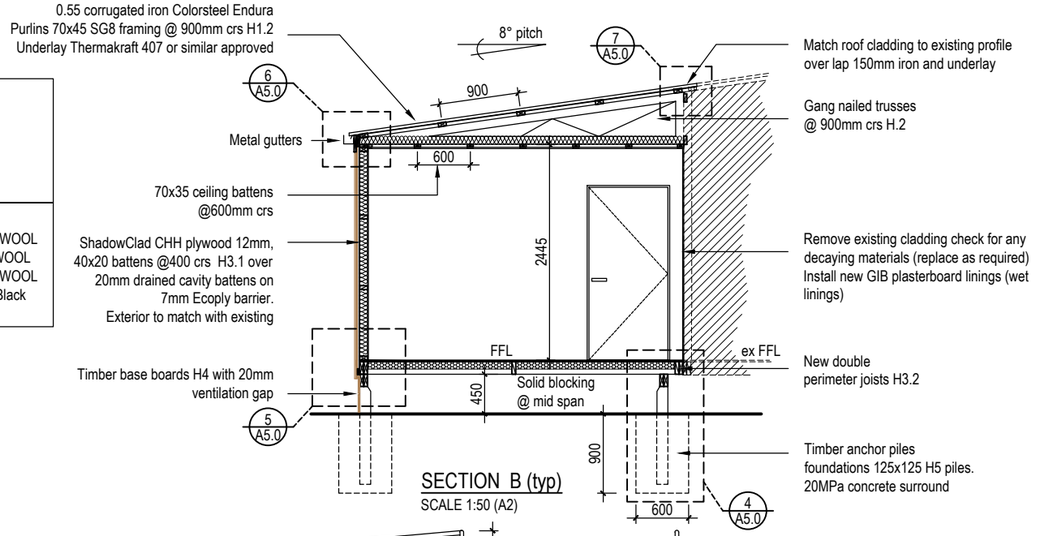
INSULATION

Walls R3.2	- 140mm thk EARTHWOOL
Walls R2.8	- 90mm thk EARTHWOOL
Ceiling R3.6	- 175mm thk EARTHWOOL
Subfloor R1.80	- 60mm thk EXPOL Black

All fixed as per manufactures specifications



SECTION A (typ)
SCALE 1:50 (A2)



SECTION B (typ)
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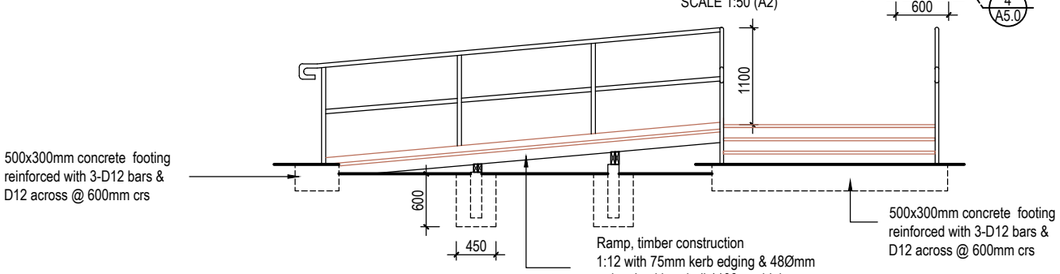

RAMP & STEPS ELEVATION
SCALE 1:50 (A2)

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Client: Linkwater Memorial Hall
1355 Queen Charlotte Drive
Linkwater

Project: Hall Extension

Floor Dimensions & Cross Sections

Sheet Number A4.0 For Consent

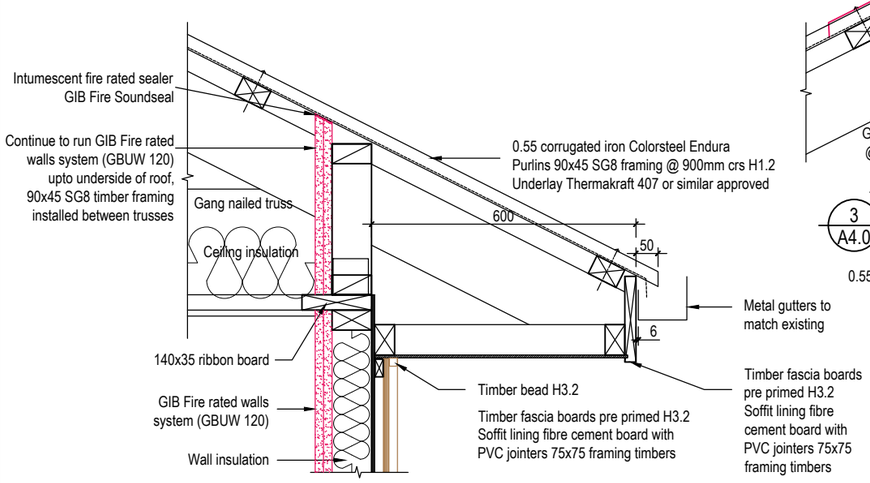
DWG NO 1286 REV 01

Scale at A2

DO NOT SCALE THIS DRAWING

ISSUE CHANGE

Issue	Change	Issuer	Date
No 1	For Approval	DL	21.04.20



2 A4.0 DETAIL
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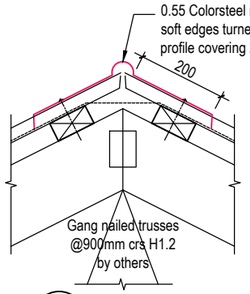

3 A4.0 DETAIL
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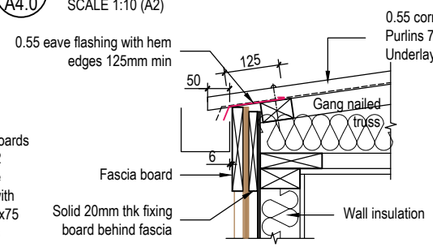

6 A4.0 DETAIL
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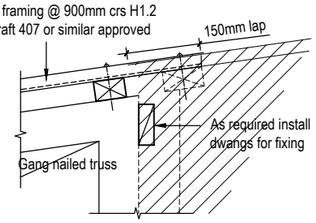

7 A4.0 DETAIL
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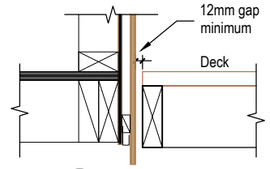
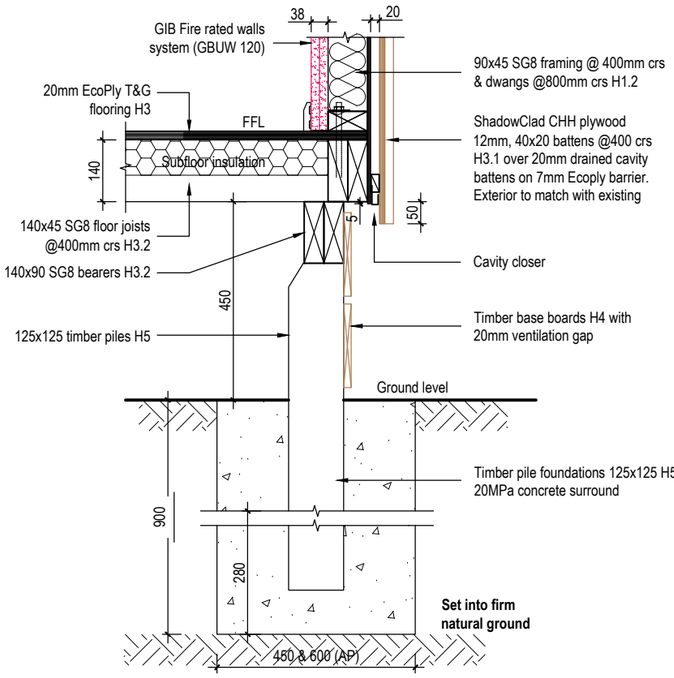


9 - DETAIL
SCALE 1:10 (A2)



1 A4.0 DETAIL
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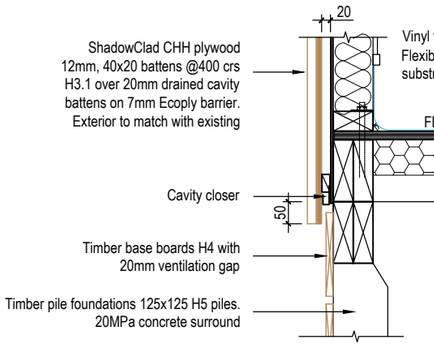

5 A4.0 DETAIL
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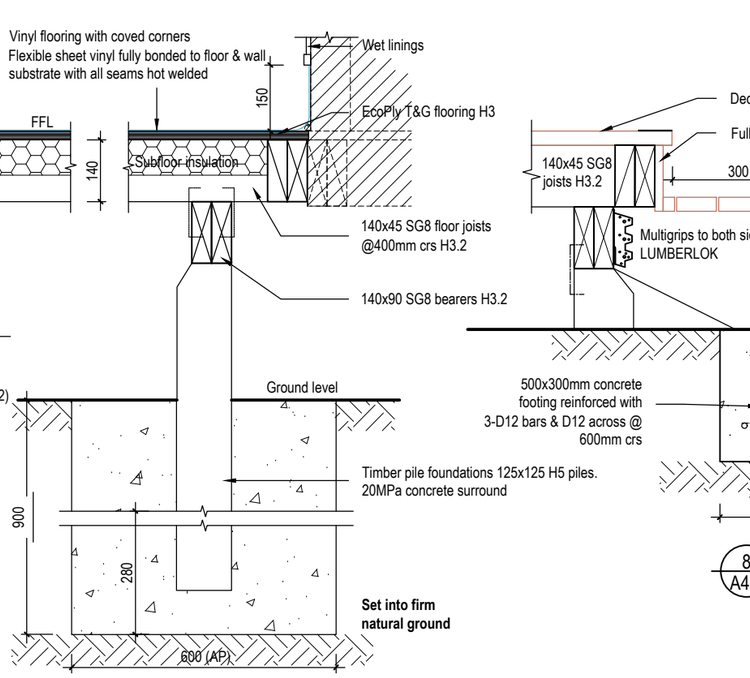

4 A4.0 DETAIL
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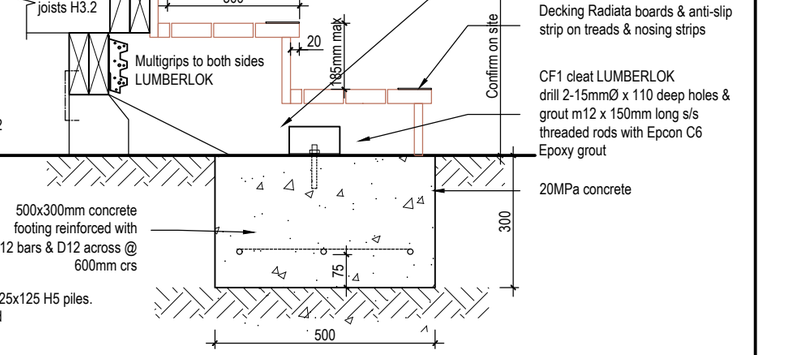

8 A4.0 DETAIL
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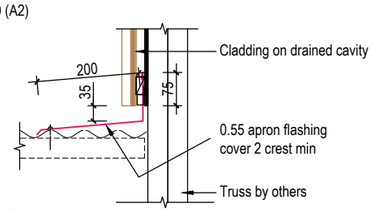

D A2.1 DETAIL (typ)
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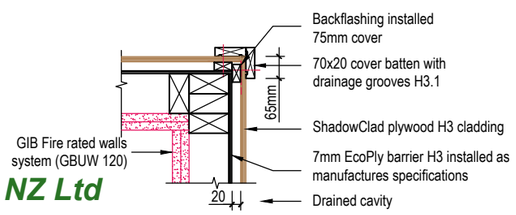

A A4.0 DETAIL
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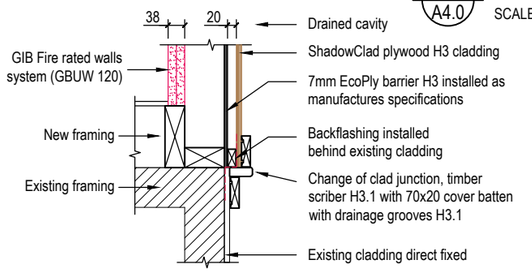

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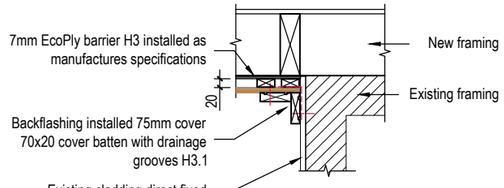

C A4.0 DETAIL
SCALE 1:10 (A2)

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ARCHITECTURAL DESIGNERS NZ

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Client: Linkwater Memorial Hall
1355 Queen Charlotte Drive
Linkwater

Project: Hall Extension

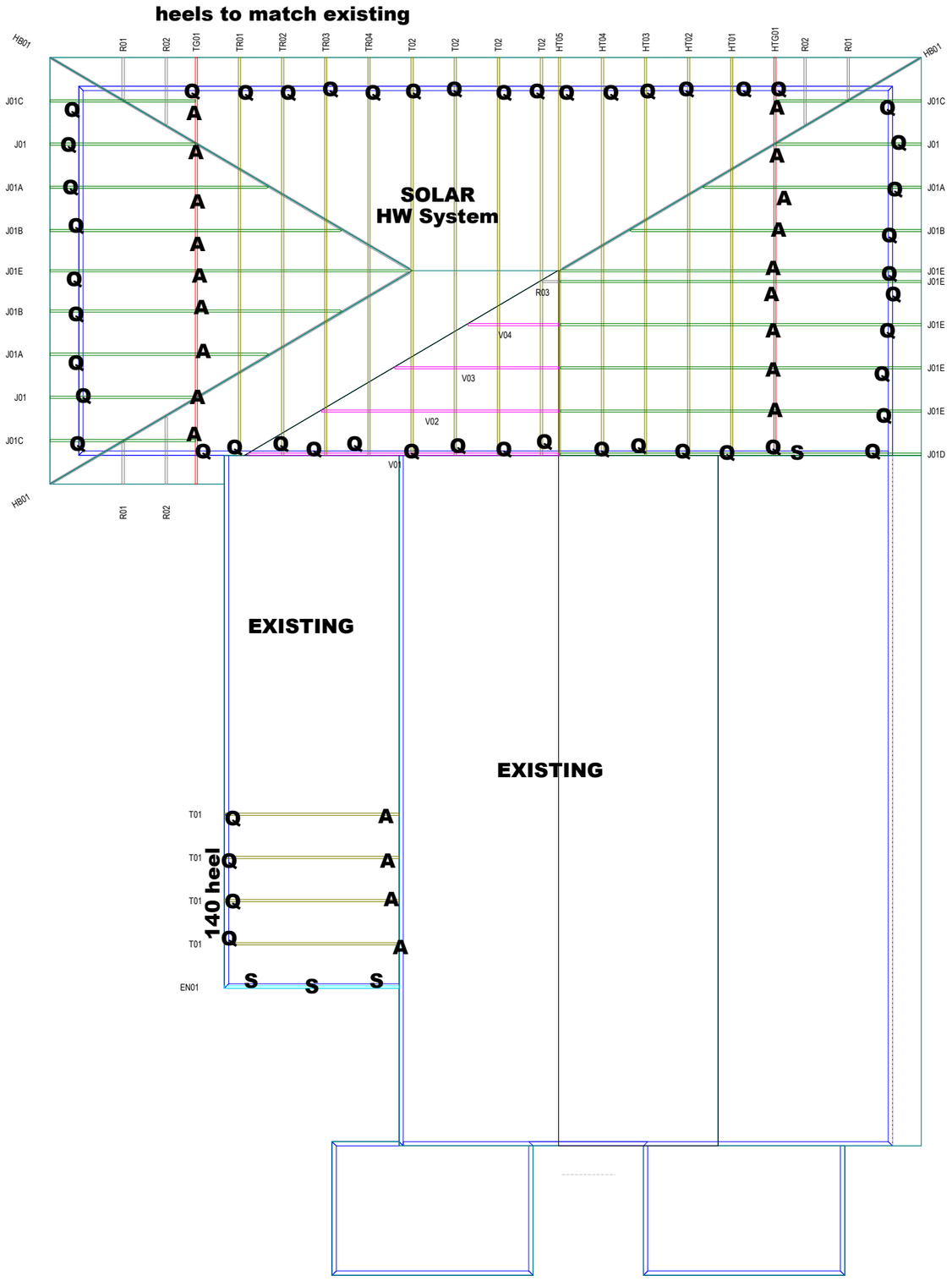
Details

Sheet Number
A5.0
For Consent

DWG NO 1286
REV 01
Scale at A2

BUILDABLE CONSENT LAYOUT

For valley/saddle truss fixing unless stated otherwise use a pair of wire dogs at 900mm centres for up to and including a very high wind zone.
Or a pair of CT200's at 900mm centres for extra high wind zone.
This fixing is to meet the minimum requirements as per NZS3604.



If metal ceiling battens on clips are used, 90x45 SG8 bottom chord restraints are required at 1800mm centres fixed with 2/90x3.15dia nails (skew nails if on edge).
All gable trusses are designed to suit cladding manufacturer's framing requirements.
If a gable truss requires a windbeam brace, the type of MiTek brace will be noted as such on the layout.

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Your Building Partner

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Carters Manufacturing Nelson
(03) 5478174

JOB No **315695C1**

Client: Lightfoot Design NZ Ltd
Job: Linkwater Hall
Site: 1355 Queen Charlotte Drive
Linkwater

Pitch: 27.0deg
Roof Type: Galv Iron .5mm
Overhang: 600mm
Wind Area: Very High
Roof Snow: 0.400kPa
Ceiling Restraint Centres: 600mm

Trusses and rafters at 900mm max centres unless stated otherwise. This layout is to be read in conjunction with the Architectural plans.

DRAWN Russell Kells | 28 Apr,2020

FIXINGS

A = 47x90 Joist Hanger
B = 47x120 Joist Hanger
C = CT200 (pair)
D = 47x190 Joist Hanger
E = 95x165 Joist Hanger
F = SH-140 Split Hanger
G = SH-180 Split Hanger
H = SH-220 Split Hanger
J = 2x6kN Strap (12kN Total)
K = 6kN Strap
L = Multigrip (single)
M = Multigrips (pair)
N = Nailon Plate (240x110x1)
P = 16kN Pack
Q = 9kN Pack
S = CPC 40 Single Cleat
T = CPC 40 Short (pair)
U = CPC 80 Single Cleat
V = 16kN Uplift
W= 24kN Uplift
X = 25kN Uplift
Y = 35kN Uplift
Z = 45kN Uplift

Unless otherwise indicated, all specified truss fixings are to use L/Lok product nail fasteners (as per the MiTek On-site Guide) when the choice of using screws or nails is optional.

All truss to frame fixings require 2 additional 2/90x3.15dia skew nails.

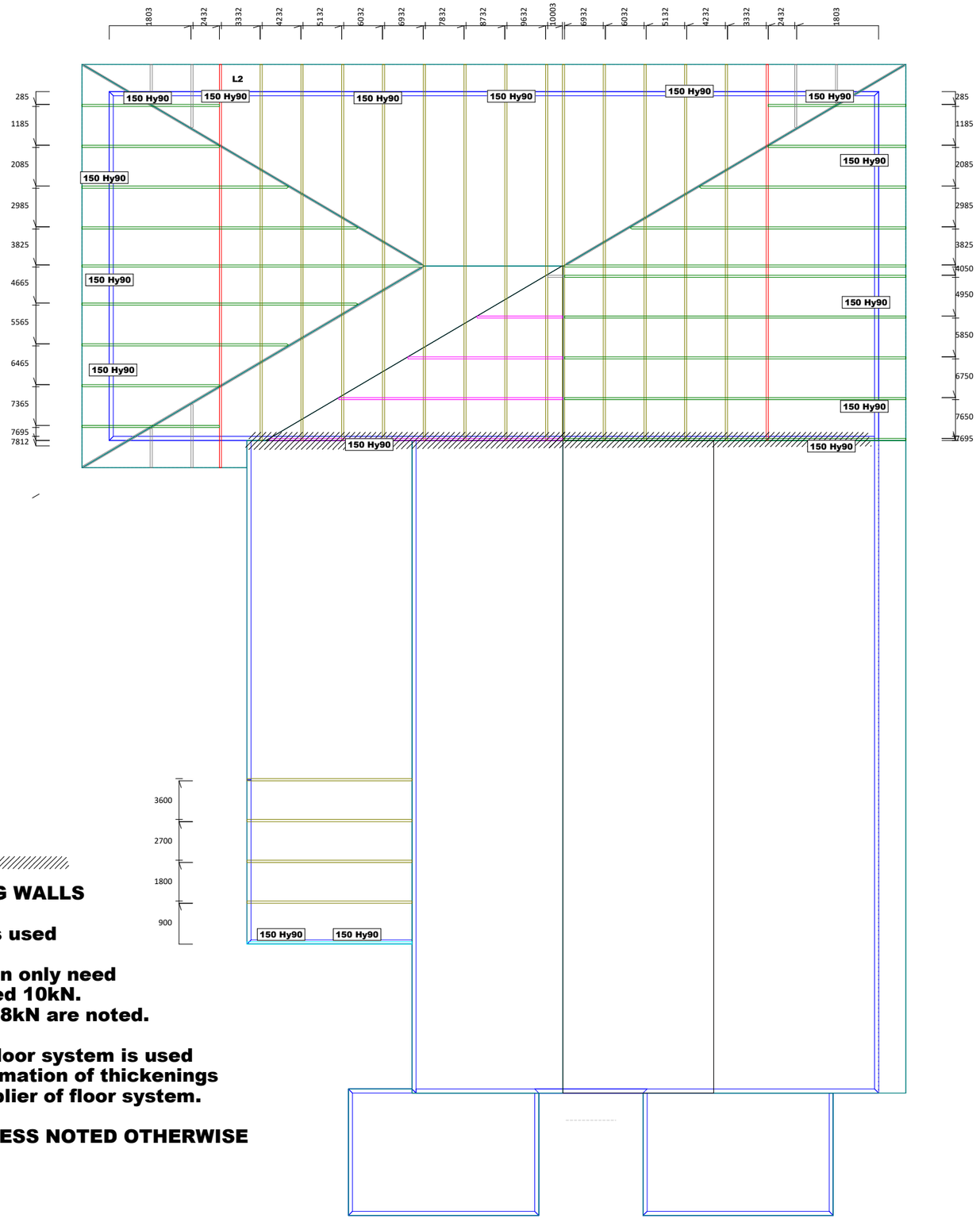
All truss fixings not indicated as above must have 2 wire dogs for cross joints and 2/90x3.15dia nails for butt joins.

Fixings shown are for fixing trusses to the top plate. Any other point load uplift fixings down through the framing stud to top plate, stud to bottom plate, bottom plate to floor remain the responsibility of the architect / draughtsman.

Truss Layout

BUILDABLE CONSENT LAYOUT

CARTERS — Your Building Partner



INTERNAL LOAD BEARING WALLS

Internal loadbearing walls used as part of truss design.
Standard slab construction only need thickenings if loads exceed 10kN.
All truss loads exceeding 8kN are noted.

Note if Ribraft or similar floor system is used separate engineers confirmation of thickenings to be confirmed from supplier of floor system.

ALL LINTELS ARE L1 UNLESS NOTED OTHERWISE

All internal walls shown hatched on this layout are considered to be loadbearing
Lintel fixing specification remains the responsibility of the architect / draughtsperson

CARTERS
Carters Manufacturing Nelson
(03) 5478174

JOB No **315695C1**

Client: Lightfoot Design NZ Ltd
Job: Linkwater Hall
Site: 1355 Queen Charlotte Drive
Linkwater

Pitch: 27.0deg
Roof Type: Galv Iron .5mm
Overhang: 600mm
Wind Area: Very High
Roof Snow: 0.400kPa

Trusses and rafters at 900 mm max centres unless stated otherwise. This layout is to be read in conjunction with the Architectural plans.

DRAWN Russell Kells | 28 Apr,2020

Dn kN | Up kN — Ultimate Limit State Loads

Notification of point loaded lintels or point loads on internal walls where the downward load is higher than 8kN (85mm raft type slab) or 10kN (100mm standard slab), or the upward load is greater than 10kN.

Any roof loads as stated on this layout over 16kN up or down are outside the scope of NZS3604, and the architect / draughtsperson is responsible for the design to transfer the loads to the ground.

The lintels have been sized using one of the following:

hy90, hyONE and hySPAN lintels have been sized using the designIT for houses - New Zealand series 6 software.

GANGLAM and FLITCH BEAMS have been sized using the MiTek Beam Program V1.10 June 2011.

Unless otherwise stated the timber grade for all lintels is SG8. Lintels not shown are to be selected as per NZS3604: 2011.