



SHEET SHEET TITLE

| | |
|----|----------------------------------|
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16 GREY STREET
 KIHIKIHI
 NEW DWELLING

SPECIFIC PAGE NOTES:

REVISIONS:

SHEET TITLE:

INDEX

SCALE:

DATE: 14/04/2026

PROJECT DESCRIPTION:

16 GREY ST
 NEW DWELLING

SITE ADDRESS:
 16 GREY STREET
 KIHIKIHI

LOT / DP:
 LOT 2 DPS 1289

| | | |
|------------|----------|----------------|
| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| MEDIUM | 1 | B |



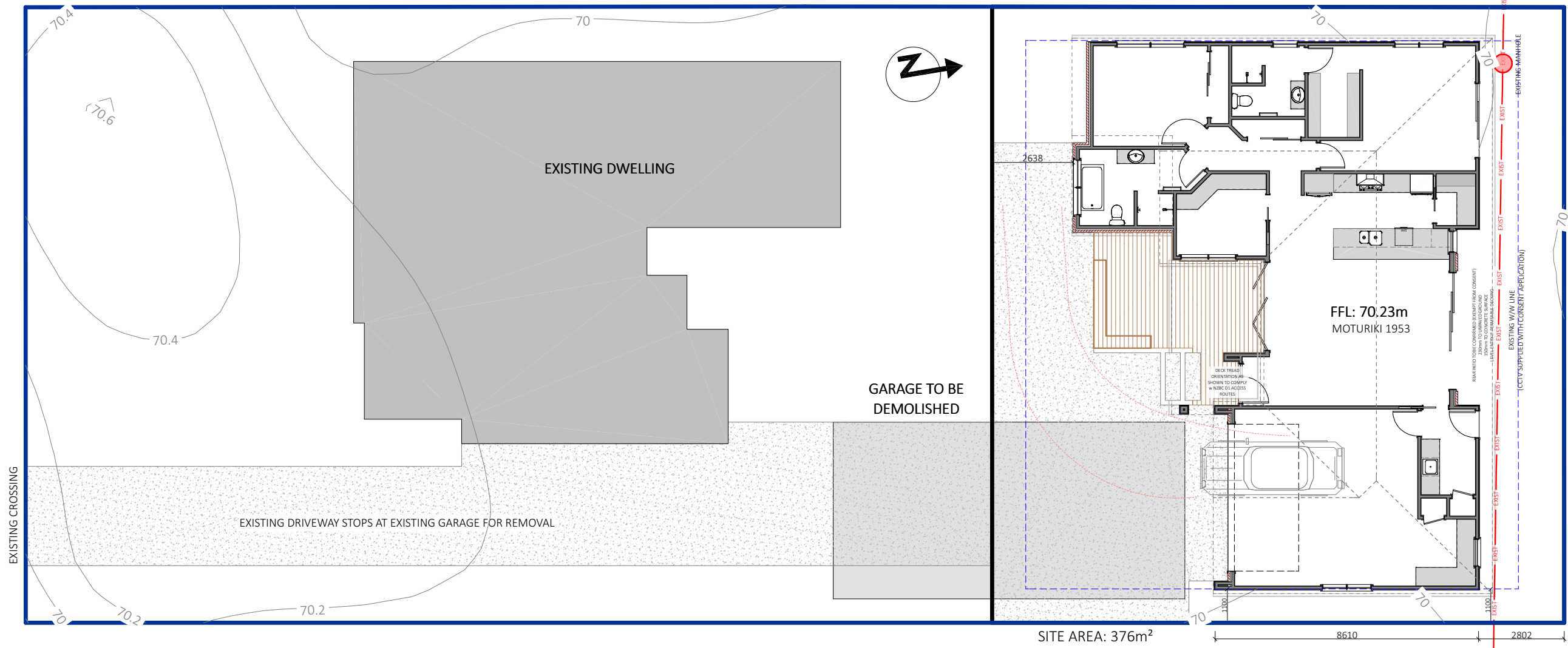
DRAWINGS PROVIDED BY:

COOPER BY DESIGN

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SHEET: 1

GREY STREET



REAR SITE AREA: 376m²
 COVERED AREA: 185m² / 49.2%
 PERMEABILITY: 104m² / 27.6%

TOTAL SITE AREA: 1012m²
 COVERED AREA: 347m² / 34.2%
 PERMEABILITY: 456m² / 45%

SPECIFIC PAGE NOTES:

- LOCATE & CONFIRM ALL BOUNDARY PEG POSITIONS PRIOR TO SET OUT.
- ALL SET OUT DIMENSIONS ARE FROM BOUNDARY TO FOUNDATION PERIMETER
- ALL EROSION AND SEDIMENT CONTROLS MAY CONSIST OF BUT ARE NOT LIMITED TO THE FOLLOWING:
 - EARLY STORMWATER DRAINAGE CONNECTION
 - MATERIAL STOCKPILES
 - INSTALL PERIMETER CONTROLS
 - REDUCE SEDIMENT RUN-OFF
 - CONCRETE WASH-OFF CONTAINED ON SITE
 - ONE CONSTRUCTION AREA WITH WEATHER SHELTER

CONSTRUCTION AND DEMOLITION HAZARDS (NZBC F5.3.2 & F5.3.3):
 CONSTRUCTION ACTIVITIES WILL BE UNDERTAKEN SO THAT IT PREVENTS INJURY TO PERSONS AND DAMAGE TO PROPERTY. THE SITE WILL BE SECURED WITH FENCING AND SIGNAGE FOR THE DURATION OF CONSTRUCTION. PUBLIC ACCESS WILL BE RESTRICTED. PROTECTIVE BARRIERS WILL BE PROVIDED WHERE REQUIRED TO PREVENT HAZARDS FROM FALLING MATERIALS OR CONSTRUCTION ACTIVITIES.

ALL WORK WILL COMPLY WITH NZBC CLAUSE F5 AND HEALTH AND SAFETY AT WORK (CONSTRUCTION) REGULATIONS 2016.

REVISIONS:

SHEET TITLE:
 SITE PLAN

SCALE: 1:150 @ A3

DATE: 14/04/2026

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|-----------------------------|----------------------|----------------------------|
| WIND ZONE: MEDIUM | EQ ZONE: 1 | EXPOSURE ZONE: B |
|-----------------------------|----------------------|----------------------------|

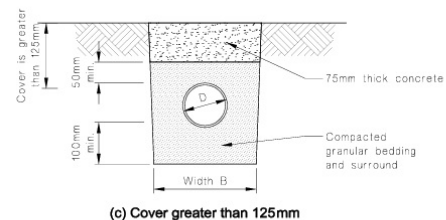
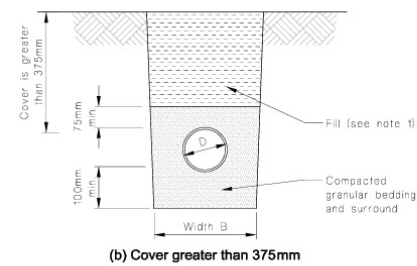
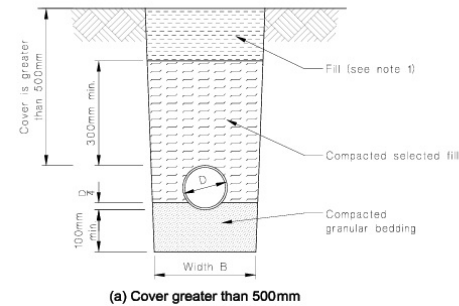


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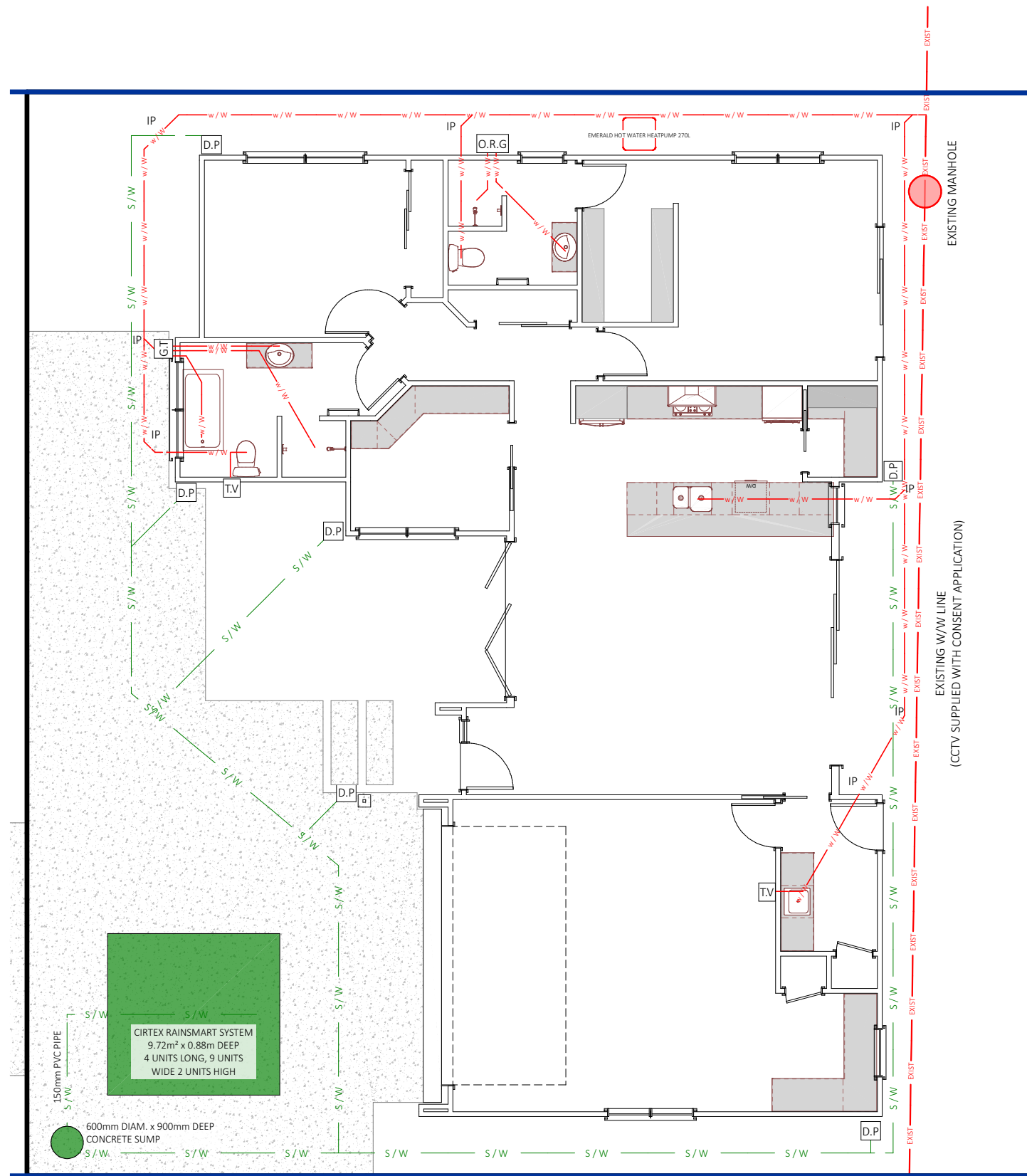
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SHEET: 2

Figure 13: Bedding and backfilling
Paragraphs 3.9.2, 3.9.4 and 3.9.5



NOTE:
1 Fill shall be:
-Ordinary fill where drains are located below gardens and open country.
-Compacted selected fill where the drains are located below residential driveways and similar areas subjected to light traffic.



IN ACCORDANCE WITH THE ORDER OF PREFERENCE OUTLINED IN SECTION 5.2.9 OF THE REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION V2, THIS PROPOSAL HAS:

- OBTAINED CCTV PRIOR TO CONSTRUCTION WHICH HAS BEEN SUPPLIED WITH THIS APPLICATION
- CONSIDERED THE BEST LOCATION ON SITE FOR THIS ADDITIONAL DWELLING TO ENSURE CLEARANCE OF THE WASTEWATER MAIN
- IN ADDITION TO THE ABOVE WE HAVE MOVED THE DWELLING FURTHER SOUTH TO GIVE MORE CLEARANCE TO THE PIPE AND MANHOLE
- AN ENGINEER DESIGNED FOUNDATION HAS BEEN SUPPLIED WITH THIS CONSENT TO ENSURE NO LOADS ARE PLACED ONTO THE PIPE. THEY HAVE PREPARED THIS AFTER THE CCTV HAS BEEN COMPLETED

| | | |
|---|-----|--|
| 100mm DAL STORM WATER DRAIN, 1:100 FALL | S/W | |
| 100mm SANITARY DRAIN, 1:60 FALL | w/w | |

| FIXTURE | ABB | SIZE |
|------------------|-----|------|
| TERMINAL VENT | TV | 80 |
| INSPECTION POINT | IP | |
| GULLY TRAP | GT | 80 |
| DOWN PIPE | DP | 80 |

| FIXTURE | SIZE/GRADIENT |
|-------------------|---------------|
| VANITY/HAND BASIN | 40 AT 1:40 |
| SHOWER/BATH | 40 AT 1:40 |
| KITCHEN SINK | 40 AT 1:40 |
| TOILET | 100 AT 1:60 |
| LAUNDRY TUB | 65 AT 1:40 |

SPECIFIC PAGE NOTES:

DRAINAGE NOTES

- SW/W/W TO BE READ IN CONJUNCTION W/ 'SUSTAIN R' REPORTS SUPPLIED. ANY PROPOSED CHANGES MUST BE CONFIRMED W/ THE ENGINEER.
- DRAINS ARE DIAGRAMMATIC ONLY AND SHALL BE CONFIRMED ON SITE AND RECORDED IN AN AS-LAID
- JUNCTIONS BETWEEN DISCHARGE PIPES MUST BE AT 45 DEG. OR SWEEP.
- ALL PIPE WORK IS TO BE HIDDEN IN WALL, CEILING OR FLOOR FRAMING. NO PIPE WORK IS TO BE EXPOSED.
- THE DRAINLAYER SHALL PROVIDE A PRODUCER STATEMENT UPON COMPLETION.
- ENSURE ALL PIPES BELOW GROUND LEVEL HAVE 600mm COVER TO VEHICLE ACCESS AREAS AND 300mm COVER ELSEWHERE PIPES PENETRATING CONCRETE ELEMENTS SHALL BE WRAPPED WITH A FLEXIBLE MATERIAL OR SLEEVED
- ALL SANITARY PLUMBING IN ACCORDANCE W/ NZS 3500

HOT WATER SUPPLY TYPE:
EMERALD HOT WATER HEATPUMP 270L (600x600mm)

HOT WATER SUPPLY PIPEWORK: POLYBUTYLENE 20mm, AND COMPLIANT W/ NZS 4350:1996

PIPE MATERIAL:
HOT AND COLD WATER PIPES: PVC PIPE
INSULATE PIPEWORK OUTSIDE OF THE BUILDING ENVELOPE, OR BURY BELOW LEVEL AFFECTED BY FREEZING

HOSE TAPS: SHALL BE FITTED W/ A PERMANENTLY ATTACHED HOSE CONNECTION VACUUM BREAKER

ENSURE ALL PIPES BELOW GROUND LEVEL HAVE 600mm COVER TO VEHICLE ACCESS AREAS AND 300mm COVER ELSEWHERE
PIPES PENETRATING CONCRETE ELEMENTS SHALL BE WRAPPED WITH A FLEXIBLE MATERIAL OR SLEEVED

REVISIONS:

SHEET TITLE:
SERVICES PLAN

SCALE: 1:100 @ A3

DATE: 14/04/2026

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KIHIKIHI

LOT / DP:
LOT 2 DPS 1289

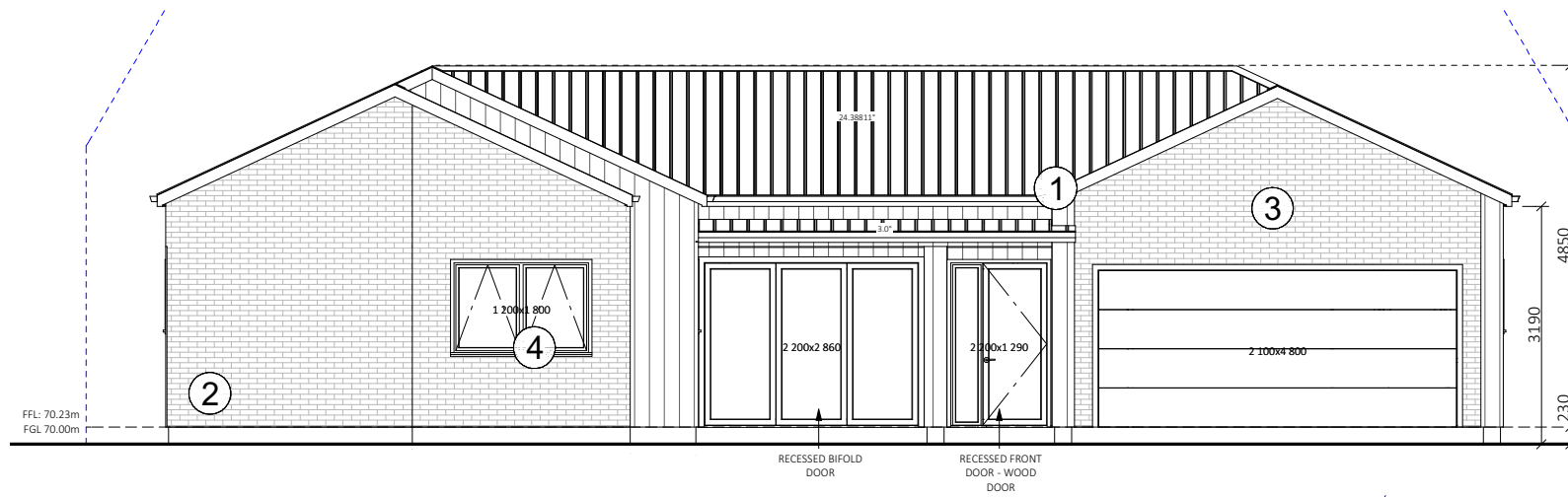
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|-----------------------------|----------------------|----------------------------|
| WIND ZONE: MEDIUM | EQ ZONE: 1 | EXPOSURE ZONE: B |
|-----------------------------|----------------------|----------------------------|



DRAWINGS PROVIDED BY:
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SHEET: 3



ELEVATION ONE

- TRIMFORM COLORSTEEL MAXAM 0.4BMT ROOFING IRON
- 1/4 ROUND PVC GUTTERS
- RECTANGULAR COLOURSTEEL DOWNPIPES
- 150mm MULTILINE FASCIA
- BGC DURAGROOVE SMOOTH WIDE (150mm) CLADDING OVER 20mm CAVITY
- 70mm BRICK OVER 50mm CAVITY
- ALUMINIUM POWDERCOATED R0.46 GLAZING (R0.26 TO GARAGE)
- SAFETY GLASS TO NZS4223

- 1
- 2
- 3
- 4

SPECIFIC PAGE NOTES:

BRICK SHELF ANGLES FIXED TO FRAMING:
 USE 100x75x6 GALV. SHELF ANGLES
 FIXED w 75x10 COACH SCREWS @ 450c/c.
 KEEP ANGLE 5mm SHORT OF OPENING WIDTH AT EACH END

RISK MATRIX ASSESSMENT
 ALL ELEVATIONS - HIGHEST RISK SCORE SHOWN

| WIND ZONE | NO. OF STOREYS | ROOF/WALL INTERSECTION | EAVES WIDTH | ENVELOPE COMPLEXITY | DECK DESIGN |
|-----------|----------------|------------------------|-------------|---------------------|-------------|
| 0 | 0 | 1 | 2 | 1 | 0 |
| TOTAL: 4 | | | | | |

REVISIONS:

SHEET TITLE:

ELEVATIONS

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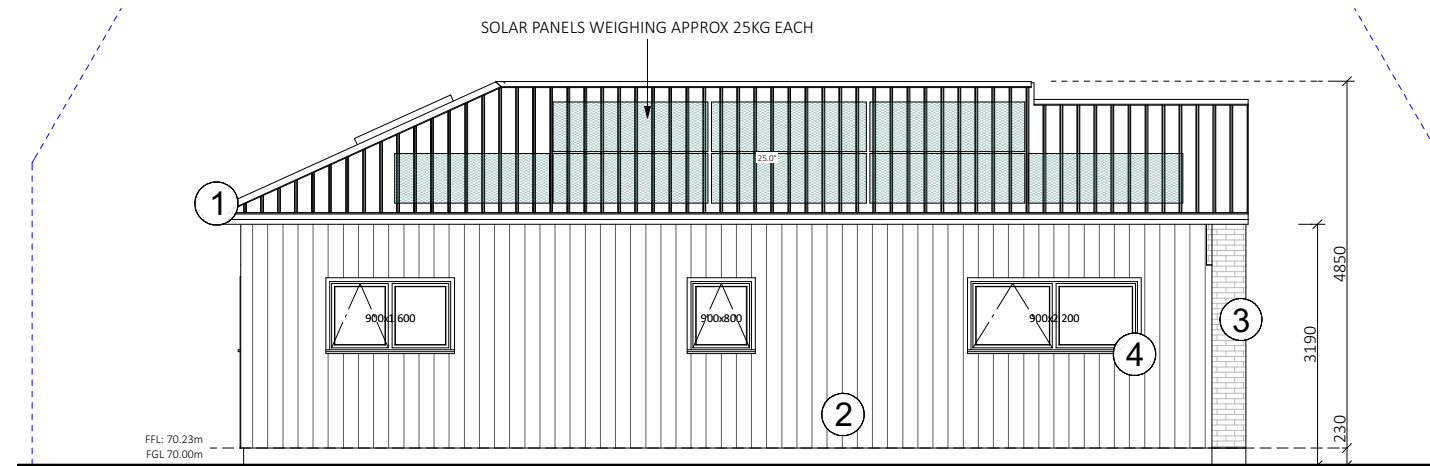


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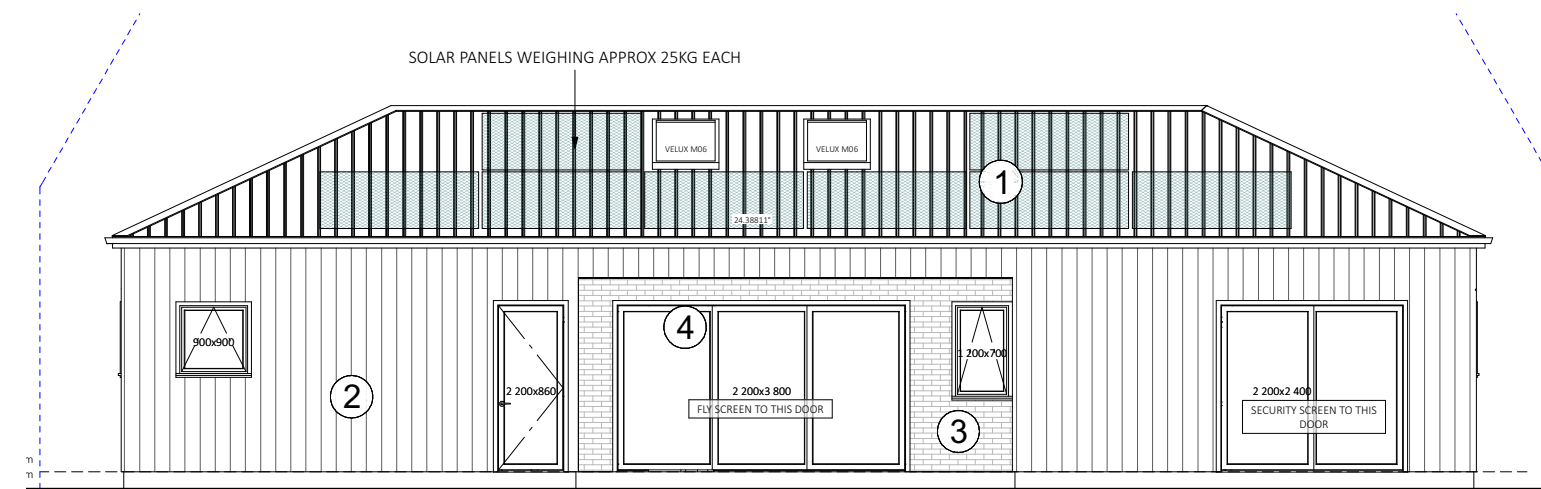
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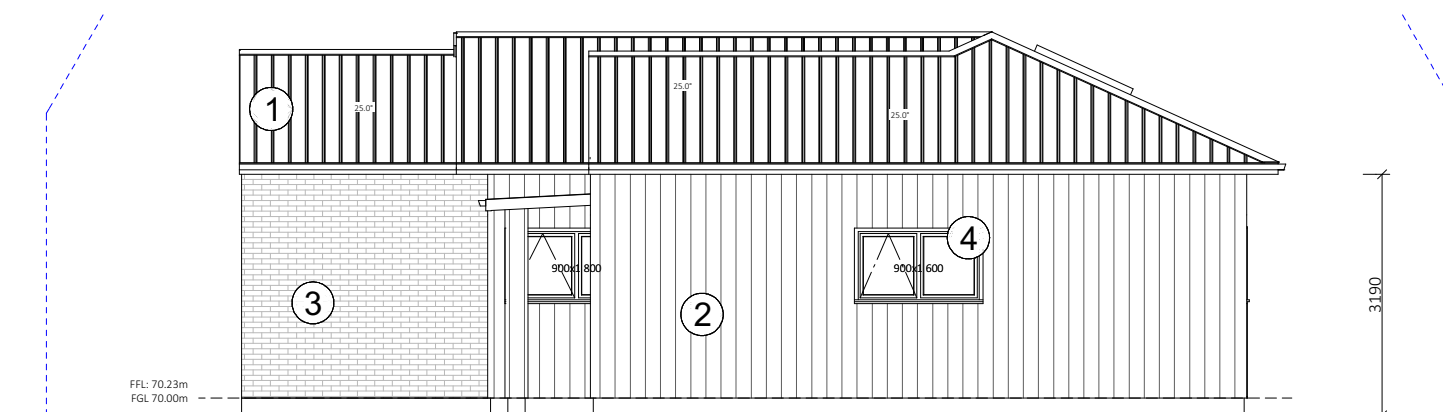
SHEET: 6



ELEVATION TWO



ELEVATION THREE



ELEVATION FOUR

WAFFLE RAFT NOTES:

- FOR ALL FLOOR PLAN DIMENSIONS, REBATE LOCATIONS & PLUMBING LOCATIONS REFER TO ARCHITECTS DRAWINGS
- REFER TO ARCHITECTS DRAWINGS FOR ALL PLUMBING AND ELECTRICAL DUCT LOCATIONS IN SLAB.
- REMOVE TOPSOIL AND REPLACE IT WITH COMPACTED BACKFILL TO CREATE A LEVEL COMPACTED SURFACE. RAFT SLAB TO SIT ON TOP OF COMPACTED SURFACE.
- REFER TO ARCHITECTS DRAWINGS FOR ALL SET OUT DIMENSIONS, RECESSES, LOAD BEARING WALLS AND SERVICE POSITIONS. DO NOT SCALE FROM THIS DRAWING.
- 4 X 600MM HD12 BARS TO BE PLACED AROUND ANY PIPE PENETRATIONS IN THE RAFT SLAB. ALL PENETRATIONS ARE TO AVOID SLAB THICKENINGS AND RIBS. RIBS MAY BE MOVED UP TO 50MM TO AVOID PIPE LOCATIONS. REFER BACK TO TITUS CIVIL IF PENETRATIONS ARE AFFECTED BY MAIN FOUNDATION STEEL (HD12 OR HD16) LOCATIONS.
- THIS SPECIFIC RAFT FLOOR HAS BEEN DESIGNED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS.
- FGL IS FINISHED GROUND LEVEL AFTER THE REMOVAL OF ANY EXISTING TOPSOIL.
 - INTERNAL SLAB THICKENING AS PER APPROVED TRUSS MANUFACTURER'S DESIGN.
 - ALL LEVELS TO BE CHECKED ON SITE PRIOR TO COMMENCING CONSTRUCTION.
- CONCRETE STRENGTH FOR SLAB AND FOUNDATION TO BE 25MPa
- MINIMUM COVER FOR REINFORCING:

| | |
|-----|-------------------------|
| 9.1 | AGAINST GROUND - 75mm |
| 9.2 | AGAINST DPM - 50mm |
| 9.3 | AGAINST FORMWORK - 50mm |
- MINIMUM SPLICING FOR REINFORCEMENT:
 - HD12 BAR - 650mm
 - SE62 MESH - 250mm
- POD LAYOUT SHOWN INDICATIVE ONLY. CONTRACTOR TO DETERMINE POD LAYOUT AS PER FIRTH RIBRAFT SPECIFICATIONS

FOUNDATION SUBGRADE PREPARATION

THE FOUNDATION SUBGRADE SHALL BE AS PER THE SITE SPECIFIC SOILS GEOTECHNICAL INVESTIGATION REPORT

ENGINEER TO INSPECT REMOVAL OF ALL TOPSOILS AS PER SOILS REPORT AND ITS REPLACEMENT WITH A SUITABLE IMPORTED GRANULAR FILL MATERIAL (COMPACTED IN LAYERS NOT EXCEEDING 150MM).

INSPECTIONS OF THE SUBGRADE AND COMPACTED FILL WILL BE REQUIRED AND CERTIFIED. ALL COMPACTION SHOULD BE TO A 'GOOD GROUND' EQUIVALENT.

PS4 INSPECTIONS REQUIRED

- SUBGRADE
- TOP OF SANDPAD
- PRE-POUR STEEL INSPECTION

NOTE:

- SAWCUTS SHALL BE LOCATED AT 6m CRS (MAX.) AND MUST BE CARRIED OUT BY AN EXPERIENCED CONCRETE CUTTING CONTRACTOR.
- REFER DETAIL I FOR SHOWER RECESS SPECIFICATIONS (IF REQUIRED).

LEGEND:

- BEAM B1 - 350mm WIDE & 310mm DEEP BEAM WITH 2/HD12 TOP & 2/HD12 BOTTOM WITH R10 LINKS @ 200mm CRS.
- BEAM B2 - 350mm WIDE & 310mm DEEP BEAM WITH 3/HD16 TOP & 2/HD16 BOTTOM WITH R10 LINKS @ 200mm CRS.
- BEAM B3 (RIBS) - 100mm WIDE & 310mm DEEP BEAM WITH 1/HD12 TOP & BOTTOM WITH R6 LINKS @ 200mm CRS.
- 150mmØ H5 TREATED PILE EMBEDDED IN 400Ø FOOTING, PILE DEPTH VARIES BETWEEN 2.2m & 2.8m (REFER SECTION A-A, FD-04) PROVIDE 100mm BOTTOM COVER.
- 150mmØ H5 TREATED PILE EMBEDDED IN 400Ø x 1000mm FOOTING, (REFER SECTION A-A, FD-04) PROVIDE 100mm BOTTOM COVER.

300mm WIDE PERIMETER BEAM REFER DETAIL C1 & C2

2/HD12 BARS AT RE-ENTRANT CORNERS, 1200mm LONG @ 200crs. NEVER ACROSS SAW CUTS.

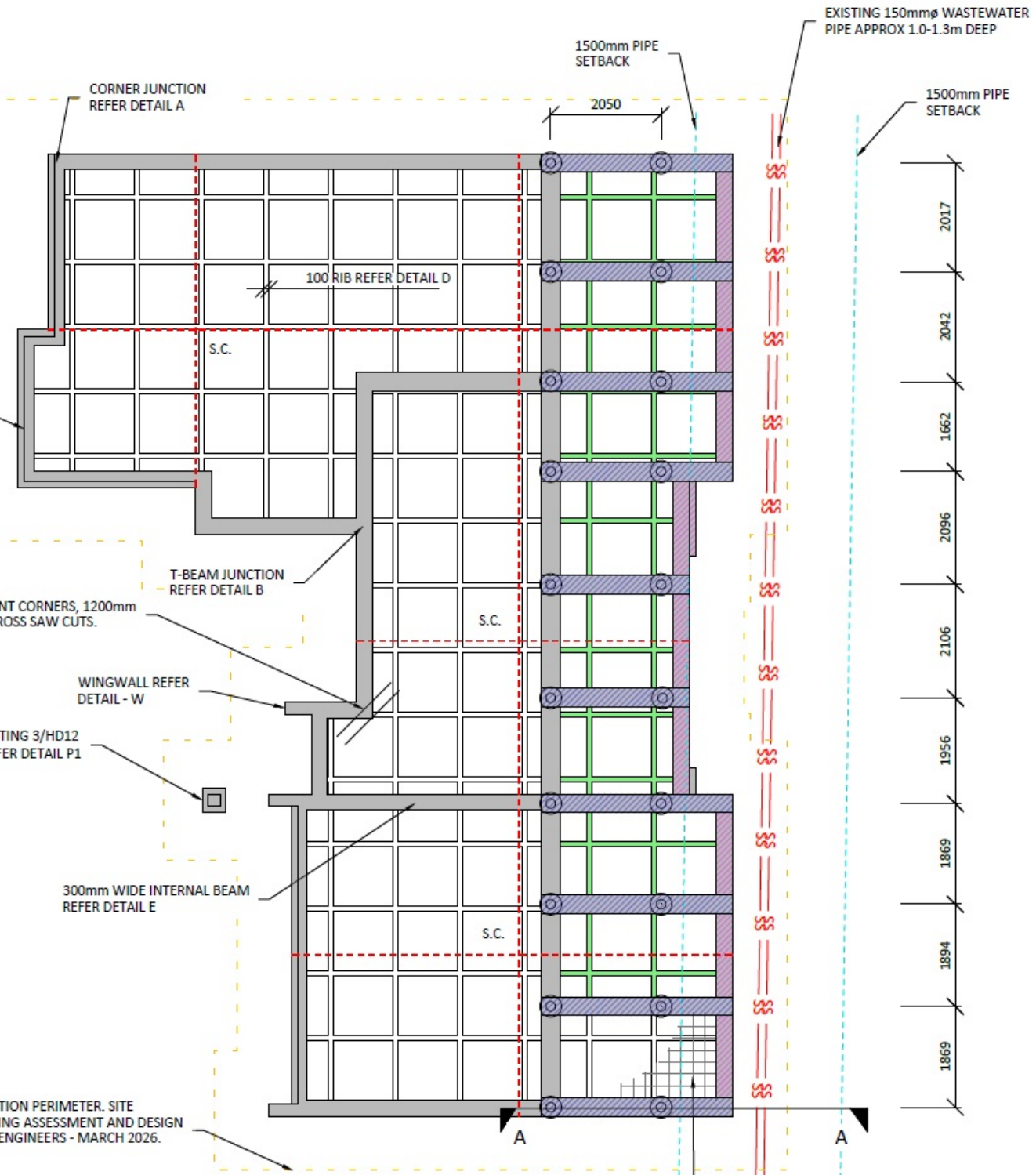
WINGWALL REFER DETAIL - W

500x500 PAD FOOTING 3/HD12 E/W BOTTOM, REFER DETAIL P1

300mm WIDE INTERNAL BEAM REFER DETAIL E

SANDPAD OFFSET 1.0m FROM FOUNDATION PERIMETER. SITE PREPARATION AS PER 17717-ENGINEERING ASSESSMENT AND DESIGN REPORT- REV.A, BY TITUS CONSULTING ENGINEERS - MARCH 2026. ULTIMATE BEARING CAPACITY : 300KPa

90mm THICK SLAB SE62 MESH (40mm CHAIR) REFER NOTE 8. FOR CONCRETE STRENGTH



SPECIFIC PAGE NOTES:

REVISIONS:

SHEET TITLE:

S.E.D FOUNDATION PLAN

SCALE: N.T.S / A3

DATE: 14/04/2026

PROJECT DESCRIPTION:

16 GREY ST
NEW DWELLING

SITE ADDRESS:

16 GREY STREET
KIHIKIHI

LOT / DP:

LOT 2 DPS 1289

WIND ZONE: EQ ZONE: EXPOSURE ZONE:

| | | |
|--------|---|---|
| MEDIUM | 1 | B |
|--------|---|---|



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SHEET: 8

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CONSULTING ENGINEERS

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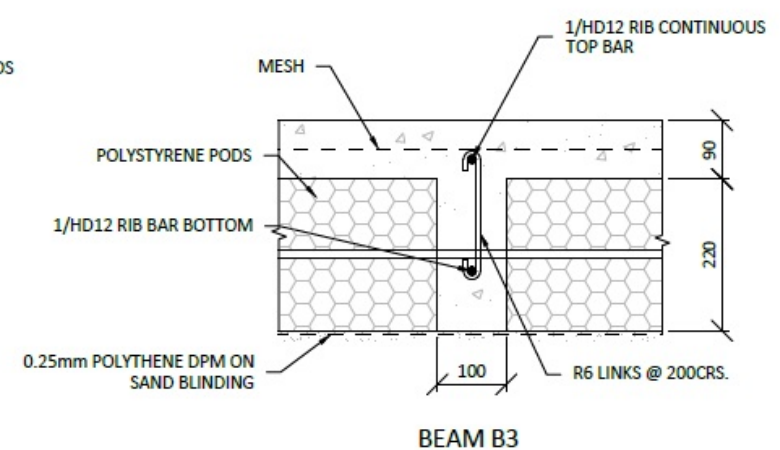
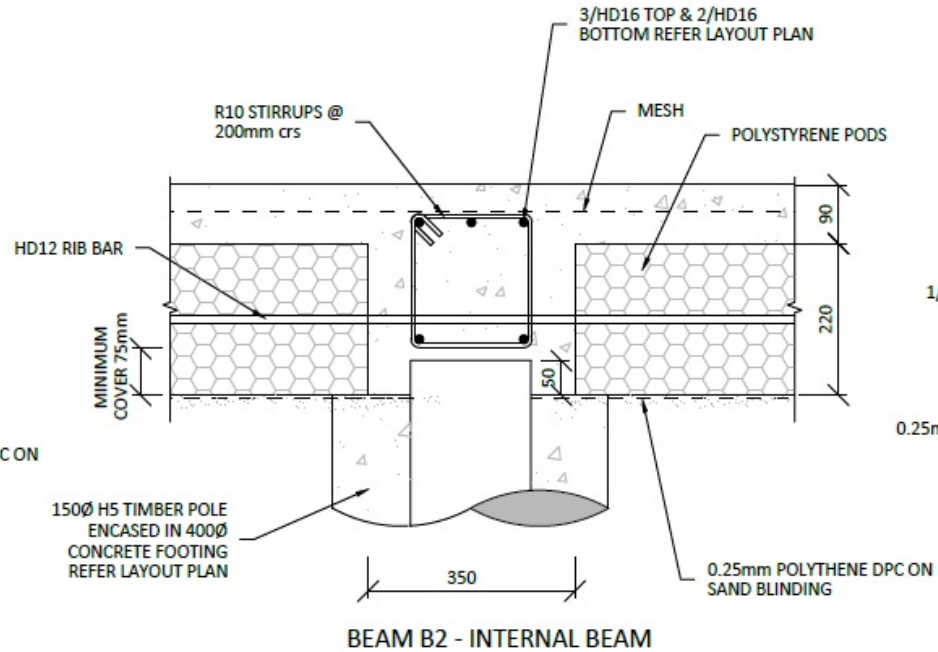
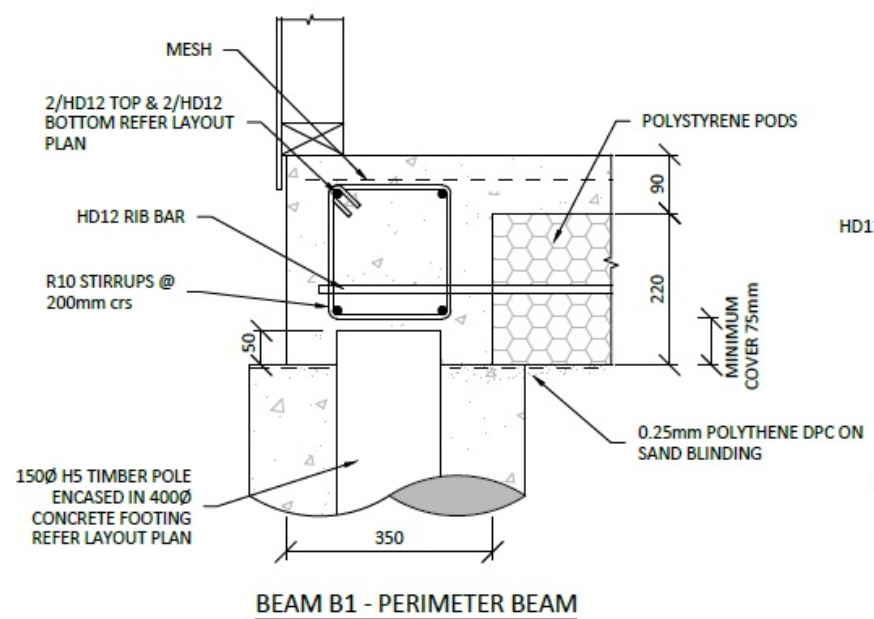
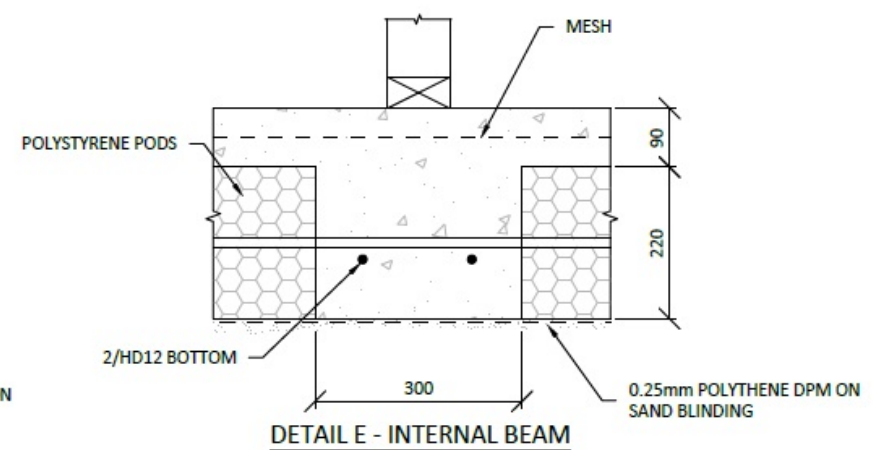
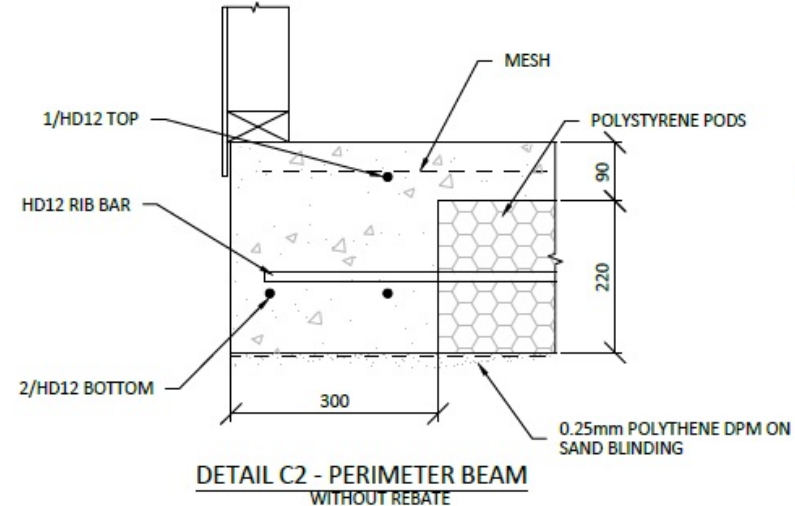
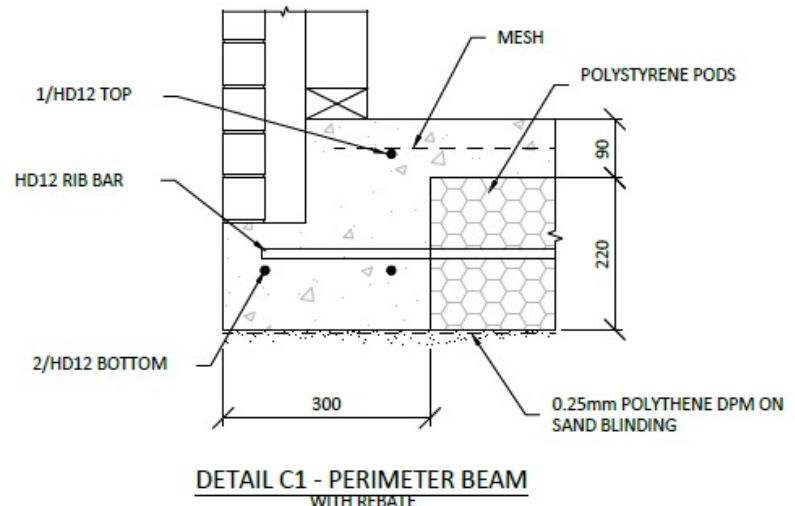
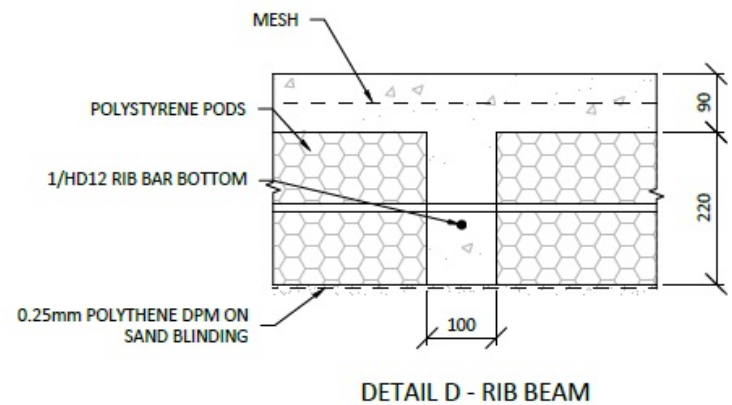
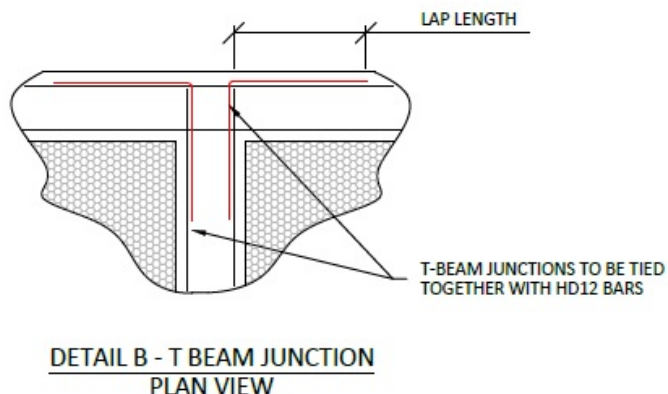
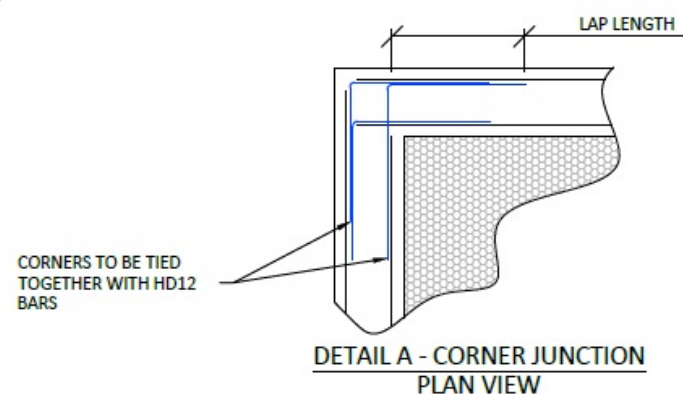
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| DRAWN | APPROVED |
| NP | PM |

| | |
|---------|--|
| CLIENT | KINGSTON GROUP |
| PROJECT | NEW DWELLING 16 GREY STREET KIHIKIHI |

| | |
|---------|-------------------|
| DRAWING | FOUNDATION LAYOUT |
|---------|-------------------|

| | |
|------------------------------|-----------------|
| STATUS | FOR APPROVAL |
| FINAL AS APPROVED BY COUNCIL | |
| DATE | 09/04/2026 |
| SCALE (ORIGINAL SIZE A3) | 1:100 |
| DRAWING NUMBER | 17717 - FD - 01 |
| REVISION | A |

CAUTION: © J. Sheward drives 15.7m, Houshang 15.7.17 - 16 Grey Street, Kihikihi, Kingston Group Draw 17717-01-01-01.dwg



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REVISIONS:

SHEET TITLE:

S.E.D FOUNDATION DETAILS

SCALE: N.T.S / A3

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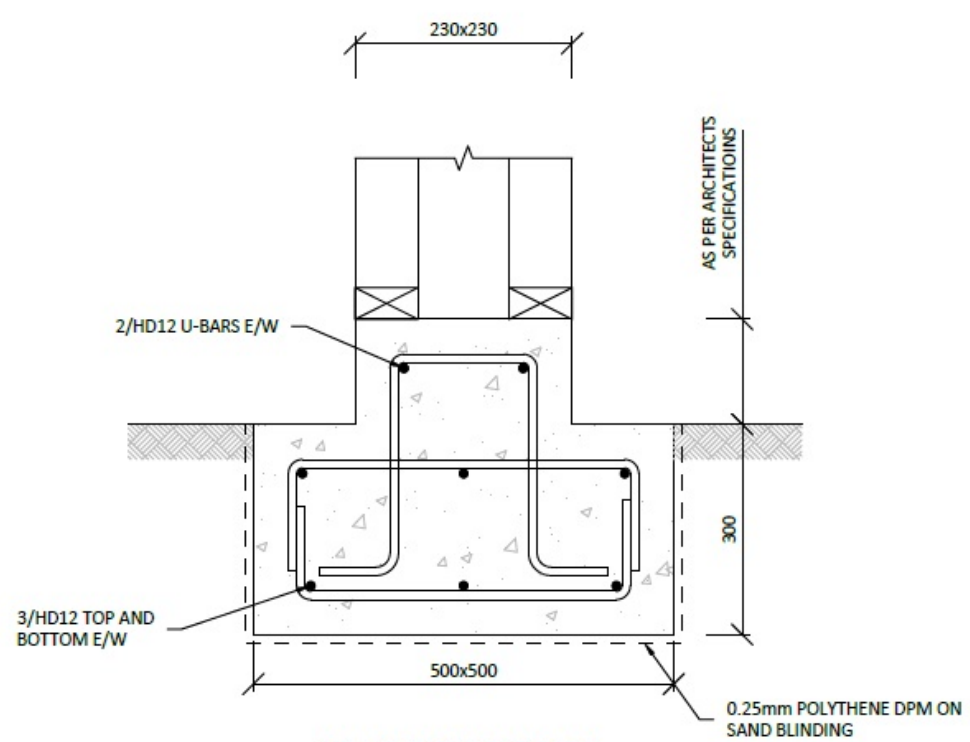


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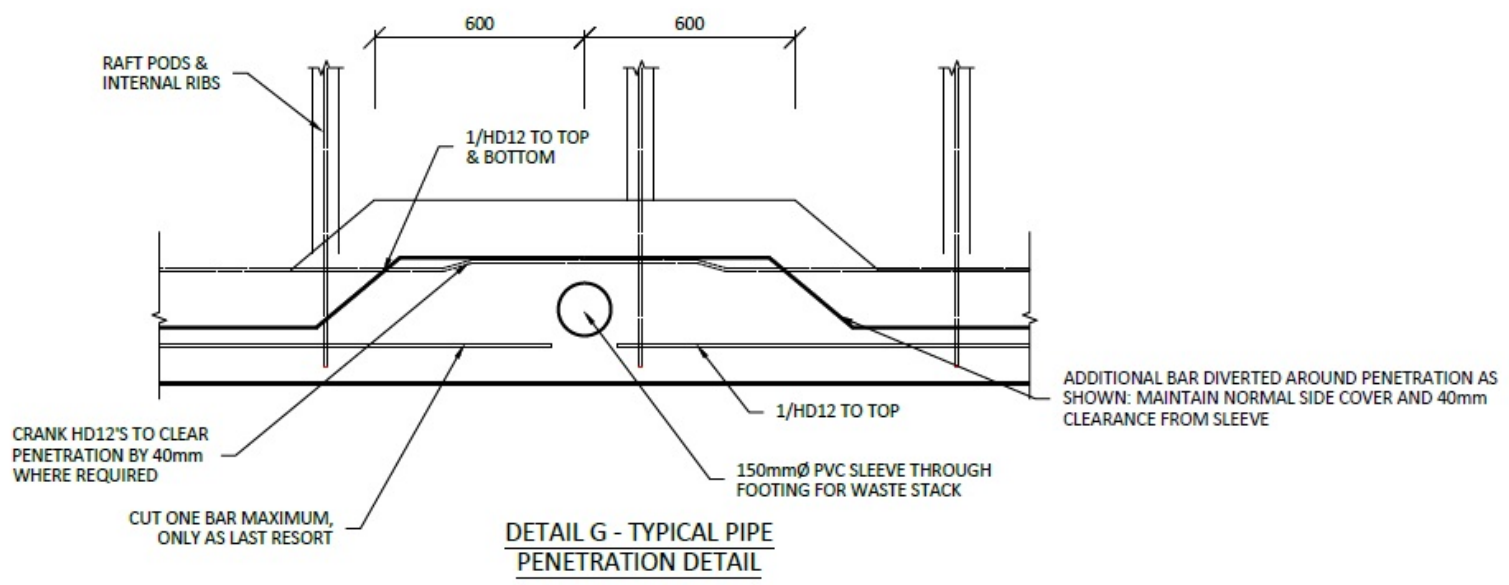
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SHEET: 9

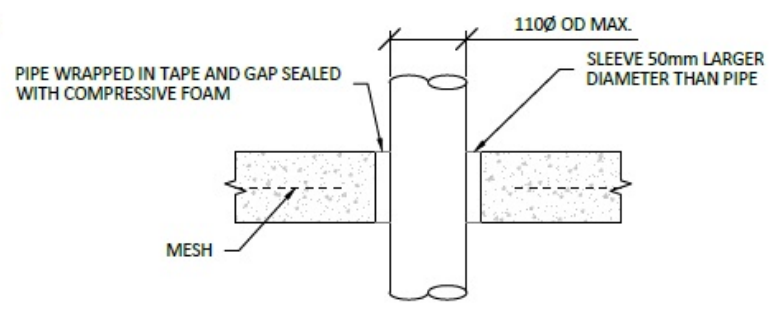
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| | Level 3, 169 London Street, Hamilton, 3204 07 242 0017 www.tituscivil.co.nz office@tituscivil.co.nz | <table border="1"> <tr> <td>DESIGNED</td> <td>NP</td> <td>CHECKED</td> <td>PM</td> </tr> <tr> <td>DRAWN</td> <td>NP</td> <td>APPROVED</td> <td>PM</td> </tr> </table> | DESIGNED | NP | CHECKED | PM | DRAWN | NP | APPROVED | PM | CLIENT KINGSTON GROUP | PROJECT NEW DWELLING 16 GREY STREET KIHIKIHI | DRAWING TYPICAL DETAILS SHEET 01 | STATUS FOR APPROVAL FINAL AS APPROVED BY COUNCIL |
| | DESIGNED | NP | CHECKED | PM | | | | | | | | | | |
| DRAWN | NP | APPROVED | PM | | | | | | | | | | | |
| | | | | | | DATE 09/04/2026 | | | | | | | | |
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| | | | | | | REVISION A | | | | | | | | |



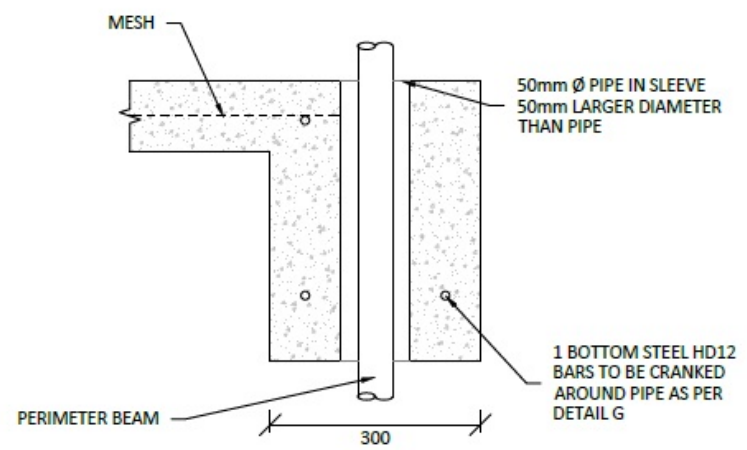
P1- PAD FOOTING DETAIL



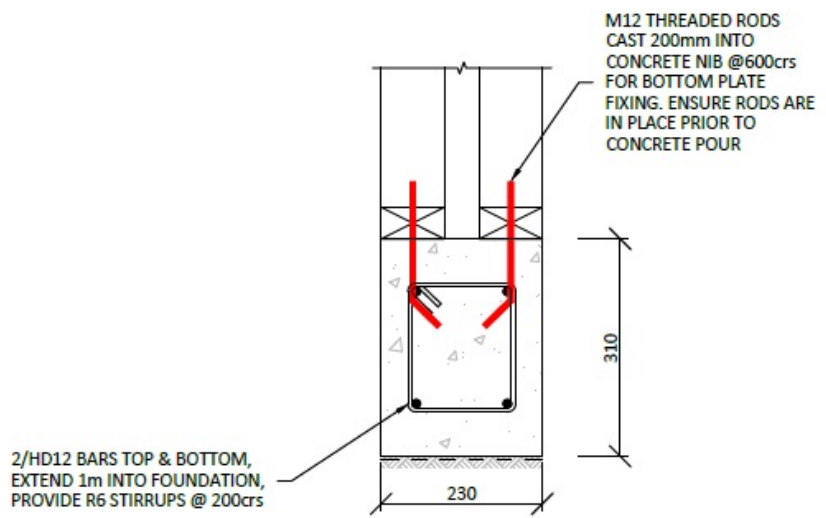
DETAIL G - TYPICAL PIPE PENETRATION DETAIL



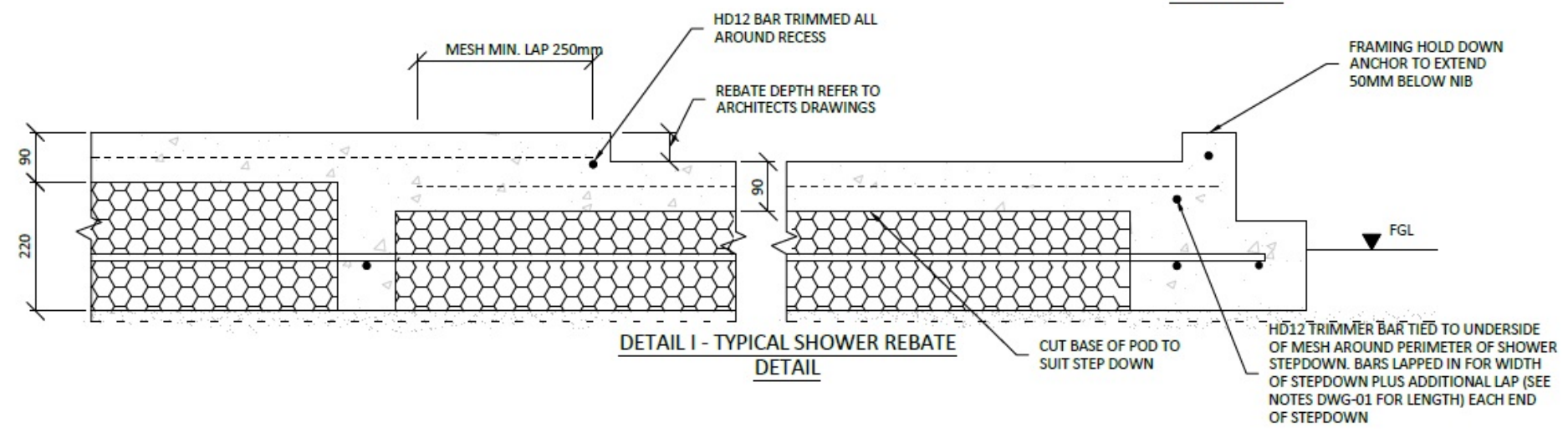
DETAIL K - SMALL VERTICAL PENETRATION THROUGH SLAB



DETAIL N - VERTICAL PENETRATION THROUGH EDGE BEAM



WINGWALL TYPE W



DETAIL I - TYPICAL SHOWER REBATE DETAIL



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| | |
|----------|----------|
| DESIGNED | CHECKED |
| NP | PM |
| DRAWN | APPROVED |
| NP | PM |

CLIENT
KINGSTON GROUP

PROJECT
NEW DWELLING
16 GREY STREET KIHIKIHI

DRAWING
TYPICAL DETAILS SHEET 02

| | | | |
|------------------------------|-----------------|--------------------------|-----|
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| DATE | 09/04/2026 | SCALE (ORIGINAL SIZE A3) | NTS |
| DRAWING NUMBER | 17717 - FD - 03 | REVISION | A |

REVISIONS:

SHEET TITLE:

S.E.D FOUNDATION DETAILS

SCALE: N.T.S / A3

DATE: 14/04/2026

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EQ ZONE: 1

EXPOSURE ZONE: B



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ph: 0277142079

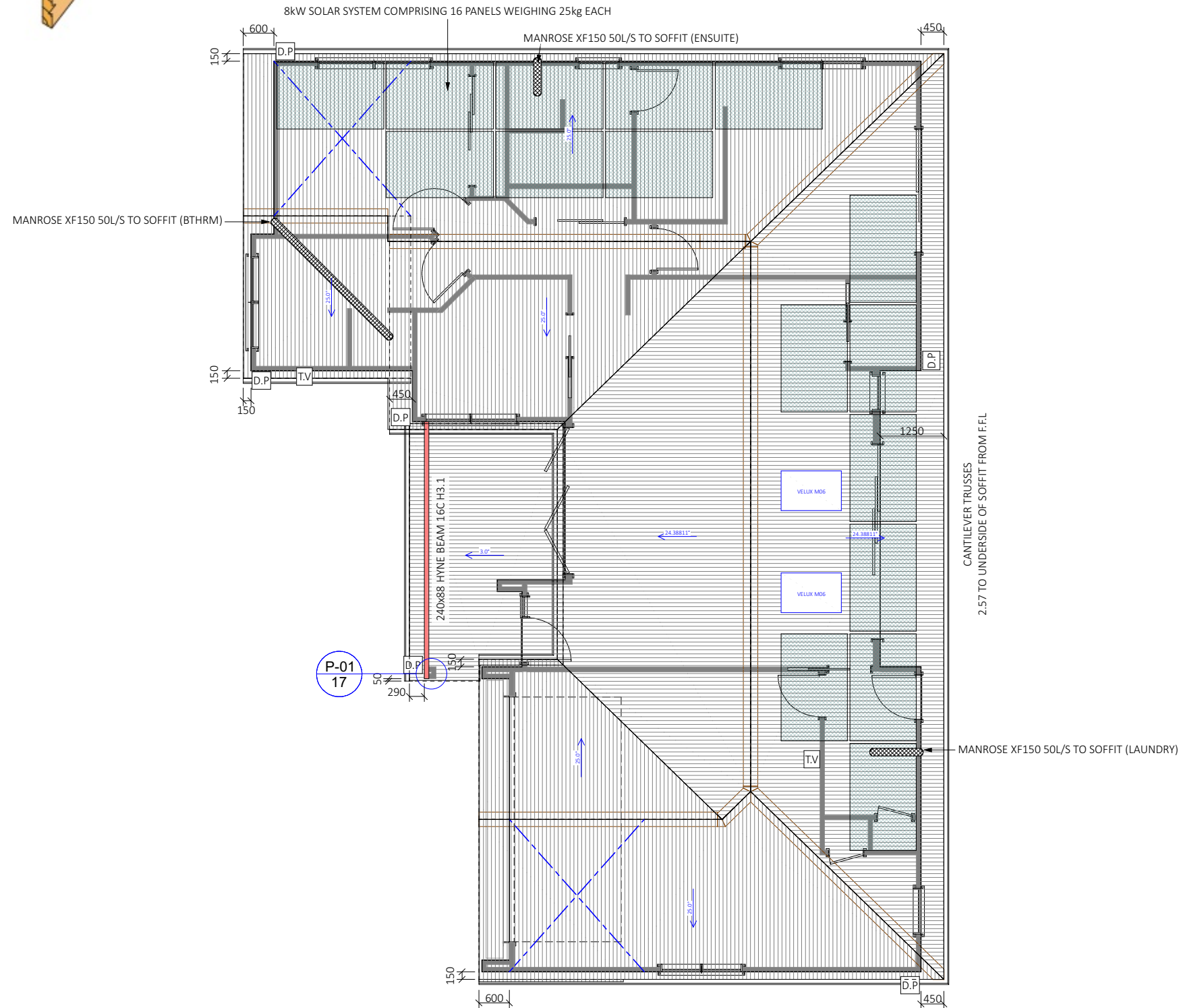
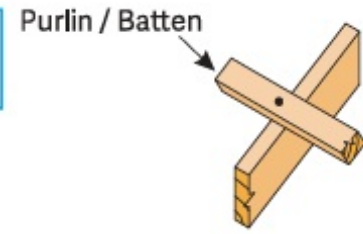
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PRINTED: 2026-04-13 16:05:50
 CAD FILE: G:\Shared drives\16 Grey Street, Kihikihi, Kingston Group\DWG\16 Grey St\02 Foundation.dwg

PURLIN FIXING

FIXING TYPE C
2.4kN

1 BLUE SCREW



SPECIFIC PAGE NOTES:

TOTAL ROOF SURFACE AREA = 223m²

TRIMFORM COLORSTEEL
MAXAM 0.4BMT ROOFING IRON,
OVER
COVERTEK 401 ROOFING PAPER

TV - 80mm TERMINAL VENT LOCATION

DP - RECTANGULAR COLORSTEEL DOWNPIPE
1per 85m² OF ROOF SURFACE AREA

INDICATIVE 150dia DUCTING ROUTE. 50L/s

1x PAIR OF TENSIONED CROSSED LUMBERLOK STRIP BRACE, OVER TOP CHORD/RAFTERS INSTALLED @ 45° ± 5° TO THE RAFTER PURLIN LINE

REVISIONS:

SHEET TITLE:

ROOF PLAN

SCALE: 1:100 @ A3

DATE: 14/04/2026

PROJECT DESCRIPTION:

**16 GREY ST
NEW DWELLING**

SITE ADDRESS:
16 GREY STREET
KIHIKIHI

LOT / DP:
LOT 2 DPS 1289

| | | |
|-------------------|-----------------|-----------------------|
| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| MEDIUM | 1 | B |

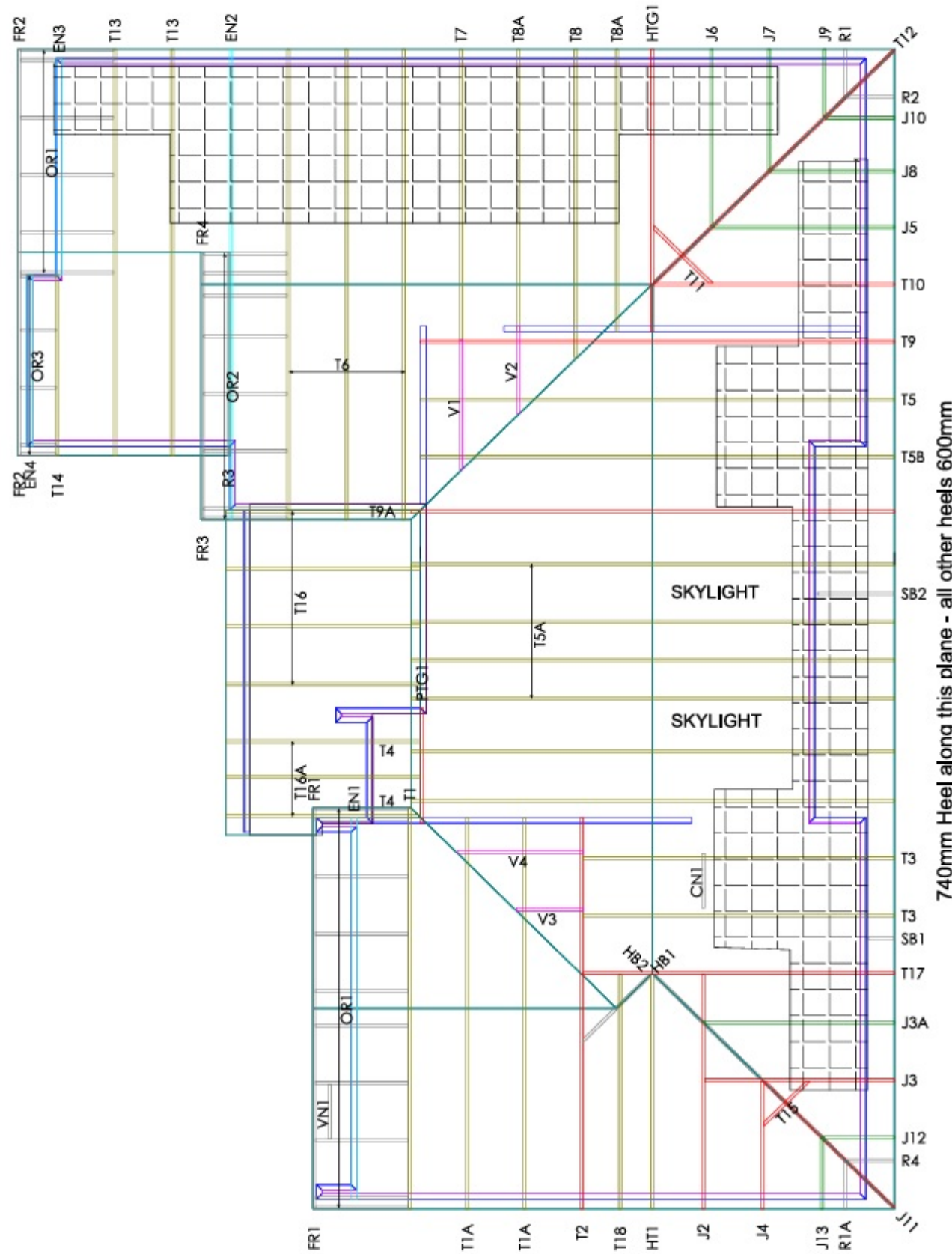


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ph: 0277142079

SHEET: 12



 = SOLAR PANELS

SPECIFIC PAGE NOTES:

REVISIONS:

SHEET TITLE:

TRUSS LAYOUT

SCALE: N/T/S - A3

DATE: 14/04/2026

PROJECT DESCRIPTION:

16 GREY ST
NEW DWELLING

SITE ADDRESS:

16 GREY STREET
KIHIKIHI

LOT / DP:

LOT 2 DPS 1289

WIND ZONE: EQ ZONE: EXPOSURE ZONE:

MEDIUM 1 B



PrimeCad v1.7.346



Site Address :

Factory Manager
021 936 500
Colin Johanson
021 063 7060

Sheet Title :
**For Building Consent
Buildable Truss Layout**

Date : 25 Mar.2026 Drawn :
Scale : 1: 100 System : MITek 20/20

Job Details:
Roof Pitch : 25.000 Deg
Roof Material : Longrun Iron
Ceiling Material : 13mm Gib
Wind Zone : Medium
Roof Snow Load : 0.000 kPa

Truss Centres : 900 mm
Roof Live Load : 0.250kPa
Floor Live Load : kPa
Wind Speed : 37.0 m/s



Job Title :
98740
Sheet :
1
Revision Number :

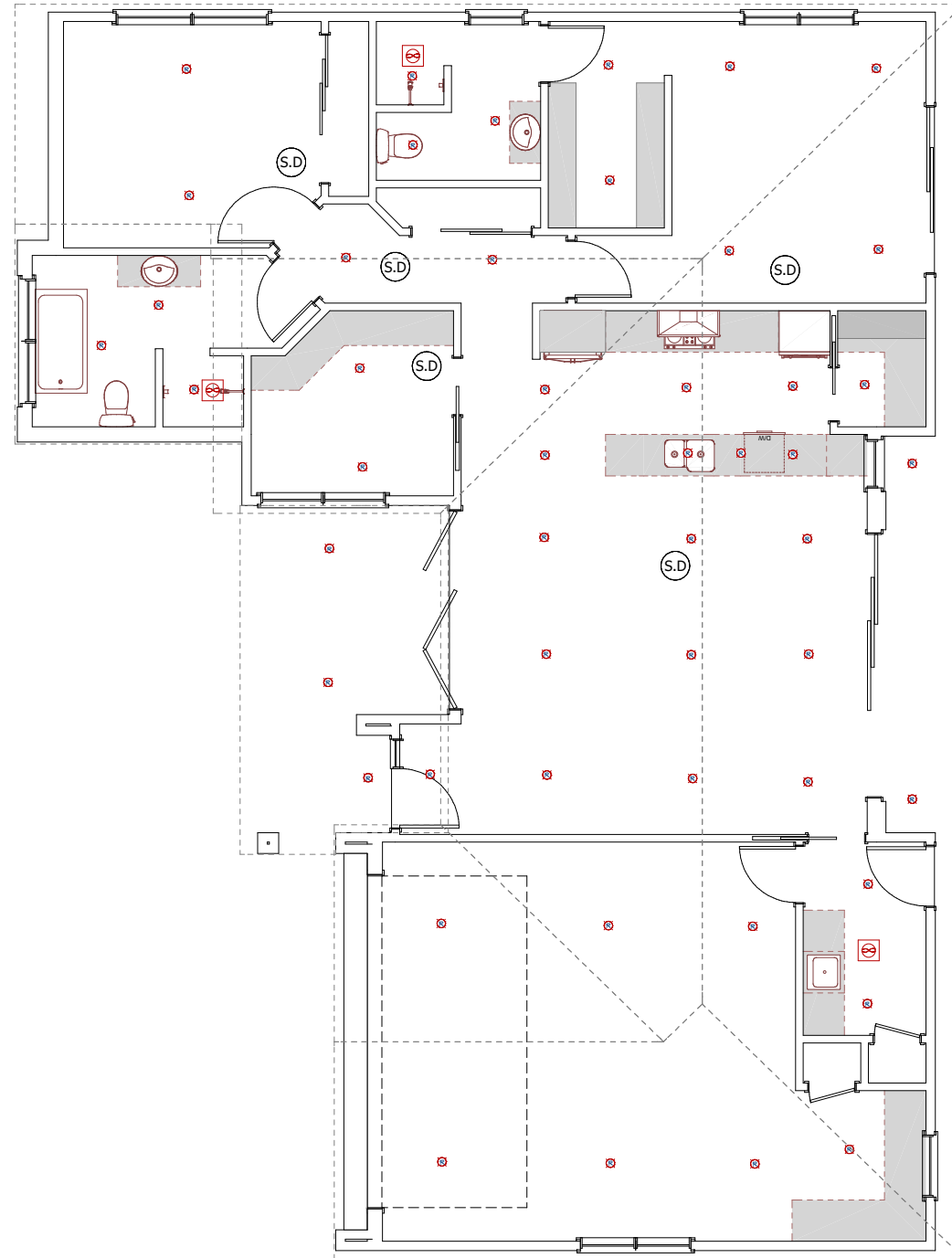
THIS IS AN EXCERPT ONLY FROM THE FRAME AND TRUSS MANUFACTURERS. REFER TO FULL REPORT PROVIDED. THIS IS NOT TO SCALE

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SHEET: 13



SPECIFIC PAGE NOTES:

S.D

WIRELESS INTERCONNECTED
SMOKE DETECTORS COMPLIANT w
NZS 4514:2021
'ORCA' SPECIFICATION SUPPLIED

REVISIONS:

SHEET TITLE:

BASIC LIGHTING PLAN

SCALE: 1:100 @ A3

DATE: 14/04/2026

PROJECT DESCRIPTION:

**16 GREY ST
NEW DWELLING**

SITE ADDRESS:
16 GREY STREET
KIHIKIHI

LOT / DP:
LOT 2 DPS 1289

| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
|------------|----------|----------------|
| MEDIUM | 1 | B |



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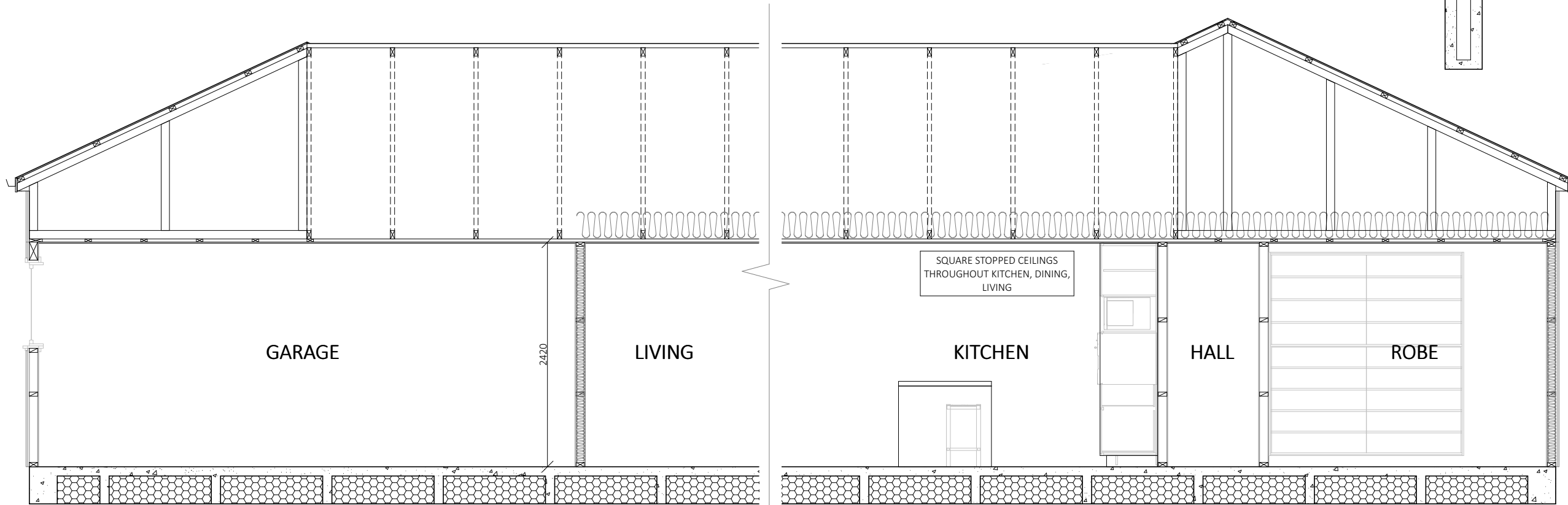
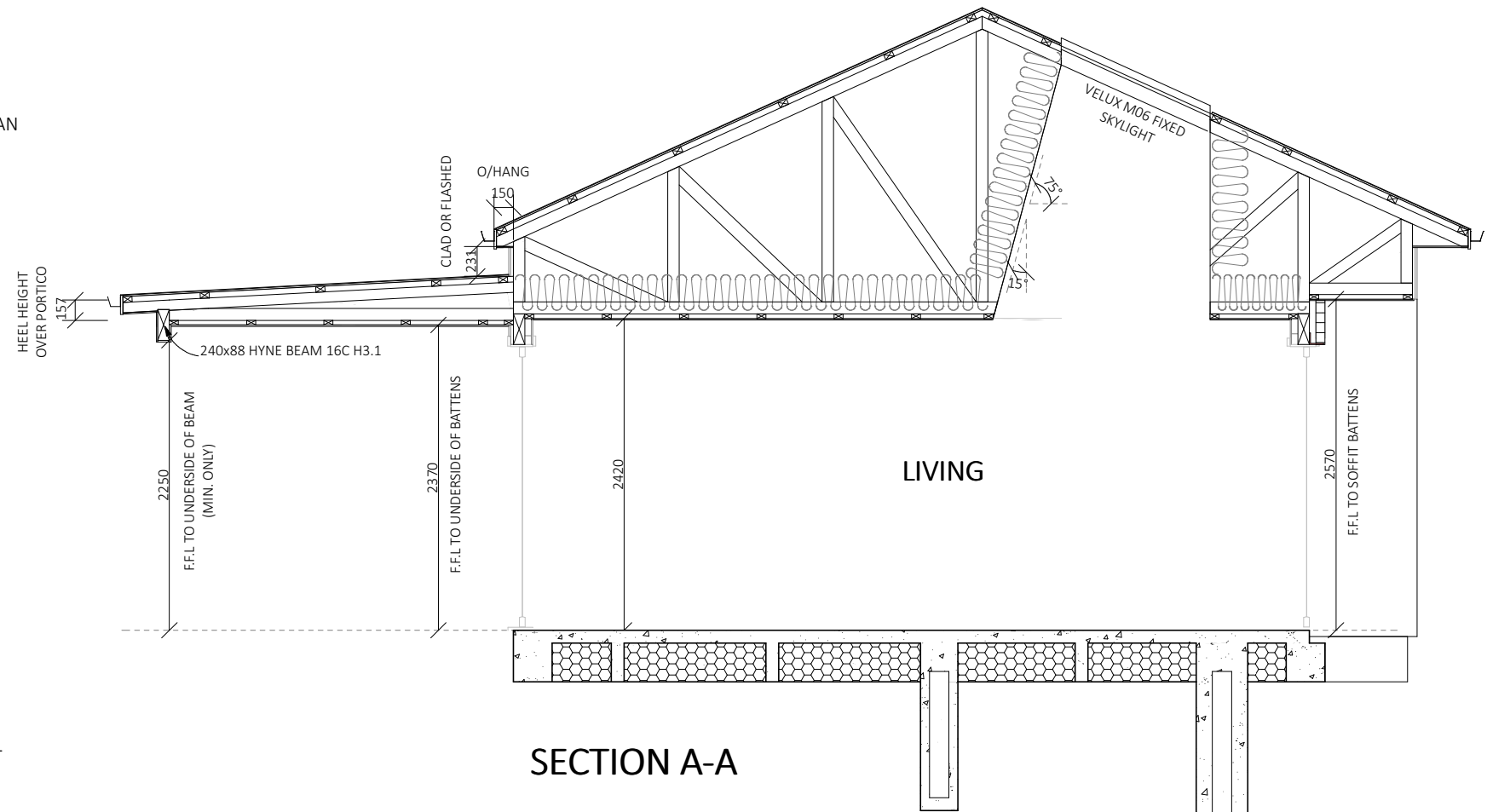
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ph: 0277142079

SHEET: 15

- ① TRIMFORM COLORSTEEL MAXAM 0.4BMT ROOFING IRON
150mm MULTILINE FASCIA, 1/4 ROUND COLORSTEEL GUTTER
NOTE VELUX SKYLIGHT POSITIONS ON ROOF PLAN
- ② COVERTEK 401 ROOFING PAPER OVER 70x45 SG8 H1.2 PURLINS @ 900c/c, OR 600c/c ON END SPAN
- ③ GANGNAIL TRUSSES INSTALLED TO MITEK SPECIFICATIONS @ 900c/c MAX
- ④ USE R7.0 CEILING ECO CEILING INSULATION EXCLUDING GARAGES
- ⑤ 13mm GIB PLASTERBOARD TO ALL CEILINGS. USE GIB AQUALINE IN WET AREAS.
FIXED TO 70x35 SG8 H1.2 CEILING BATTENS @ 600c/c
- ⑥ 4.5mm HARDIES ECLIPSA EAVES LINING TO EXTERNAL SOFFITS
- ⑦ POWDERCOATED ALUMINIUM JOINERY, R0.46 GLAZING THROUGHOUT (R0.26 GARAGE).
- ⑧ BGC DURAGROOVE CLADDING, OVER 50x25mm H3.1 CAVITY BATTENS
70mm BRICK OVER 50mm CAVITY SPACE
TEKTON BREATHABLE BUILDING PAPER
- ⑨ UP TO 2.4 STUDS- 90x45 SG8 H1.2 STUDS @ 600c/c, NOGS @ 800c/c
- ⑩ 10mm GIB PLASTERBOARD TO ALL WALLS. USE GIB AQUALINE IN WET AREAS
- ⑪ USE R2.6 ECO INSULATION TO 90mm WALLS
USE R3.2 ECO INSULATION TO 140mm WALLS
INSULATE INTERNAL GARAGE WALLS. EXCLUDE EXTERNAL GARAGE WALLS
- ⑫ S.E.D WAFFLE RAFT 25MPa 90mm SLAB w PILES ADJACENT TO WASTEWATER LINE. REFER TO FULL SUPPLIED S.E.D DETAILS

NOTES: SQUARE STOPPED THROUGHOUT KITCHEN/DINING/LIVING SPACES



SECTION B-B

SPECIFIC PAGE NOTES:

BRICK TIES AS SPECIFIED IN CLAY BRICK AND PAVER MANUAL PROVIDED FOR UP TO 2 STOREY BRICK VENEER CONSTRUCTION : 85mm GALV. BRICK TIES FIXED @ 400c/c HORIZONTALLY, AND 400c/c VERTICALLY, WITHIN 200mm OF EDGE OF ALL OPENINGS, 1ST ROW WITHIN 200mm OF SHELF ANGLES, AND 1ST ROW WITHIN 400mm OF FOUNDATION REBATE

WEEP HOLES IN BRICKWORK: AT BOTTOM COURSE OF BRICK IN ALL SITUATIONS, IN EVERY THIRD PERPEND

BRICK SHELF ANGLES FIXED TO FRAMING: USE 100x75x6 GALV. SHELF ANGLES FIXED W 75x10 COACH SCREWS @ 450c/c. KEEP ANGLE 5mm SHORT OF OPENING WIDTH AT EACH END

INNOVA DURAGROOVE FIXING

| Fixing Duragroove™ and Duragrip™ to Cavity Battens | TRUSS CENTRES | TRUSS SHEET EDGE |
|--|---------------|------------------|
| 150mm | 150mm | 150mm |
| 180mm | 180mm | 180mm |
| 200mm | 200mm | 200mm |
| 240mm | 240mm | 240mm |

All brick ties must be used in conjunction with Duragroove™ and Duragrip™ must be fixed to the cavity batten with a continuous 6mm bead of Bostik Seal™ Flex. The ties must be applied to the brickwork at the top of the batten. A 4mm bead must be applied to the slip lap joint prior to the installation of the next sheet.

REVISIONS:

SHEET TITLE:

SECTION A-A AND B-B

SCALE: 1:50 @ A3

DATE: 14/04/2026

PROJECT DESCRIPTION:

16 GREY ST
NEW DWELLING

SITE ADDRESS:

16 GREY STREET
KIHIKIHI

LOT / DP:

LOT 2 DPS 1289

WIND ZONE: EQ ZONE: EXPOSURE ZONE:

MEDIUM 1 B

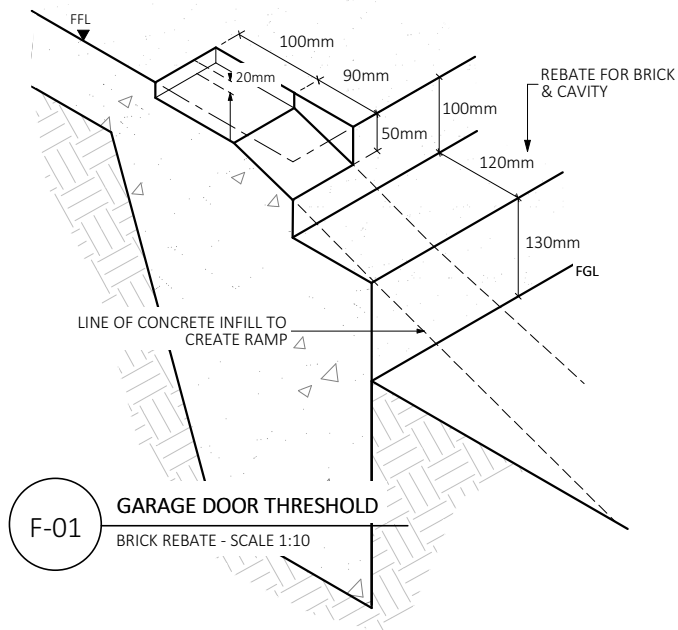


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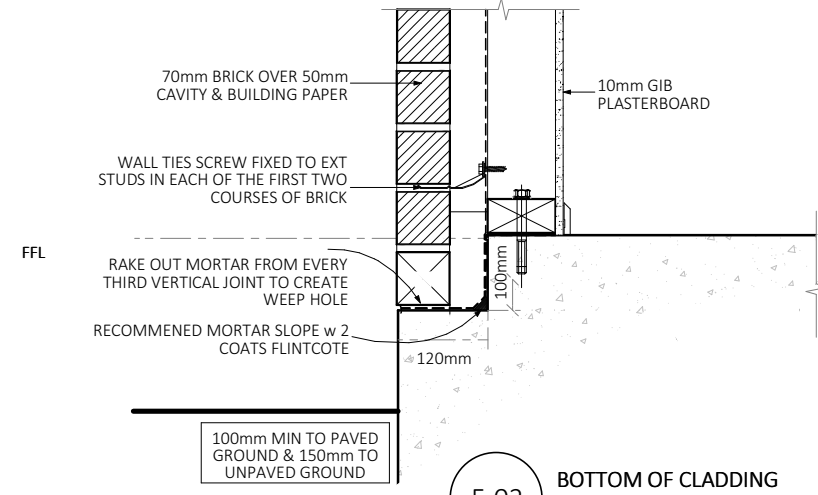
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ph: 0277142079

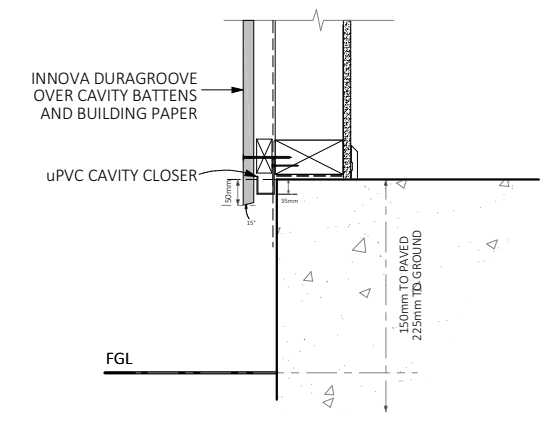
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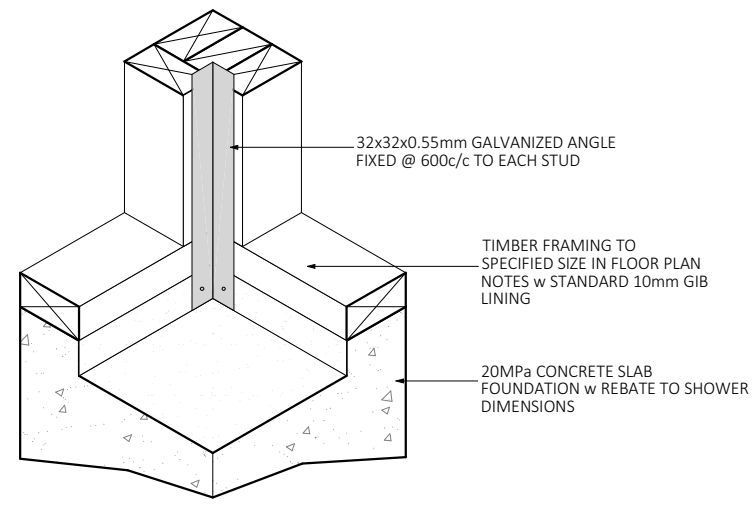
F-01 GARAGE DOOR THRESHOLD
BRICK REBATE - SCALE 1:10



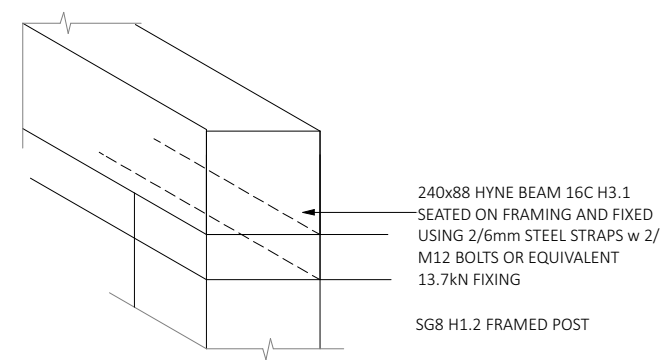
F-02 BOTTOM OF CLADDING
BRICK - SCALE 1:10



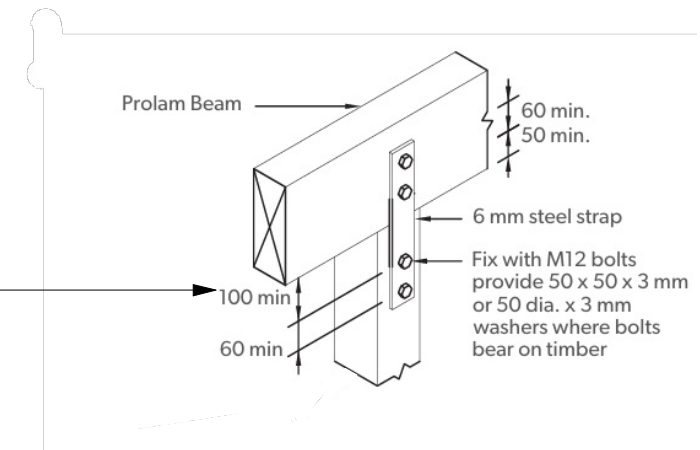
F-03 BASE OF WALL DETAIL
INNOVA - SCALE 1:10



F-04 INTERNAL SHOWER CORNER
SCALE 1:10



P-01 POST CONNECTION DETAILS
SCALE 1:10



NOTE -
(1) Capacity 6.8 kN for 1 bracket.
(2) Capacity 13.7 kN for 2 brackets.

SPECIFIC PAGE NOTES:

REVISIONS:

SHEET TITLE:

**FOUNDATION & BEAM
FIXING DETAILS**

SCALE: 1:10 @ A3

DATE: 14/04/2026

PROJECT DESCRIPTION:

**16 GREY ST
NEW DWELLING**

SITE ADDRESS:
16 GREY STREET
KIHIKIHI

LOT / DP:
LOT 2 DPS 1289

| | | |
|------------|----------|----------------|
| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| MEDIUM | 1 | B |

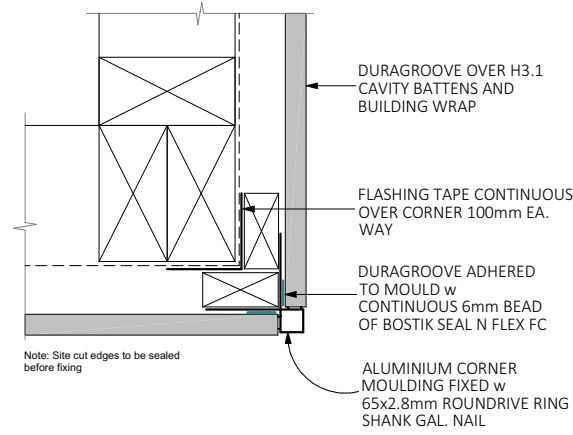


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COOPER BY DESIGN

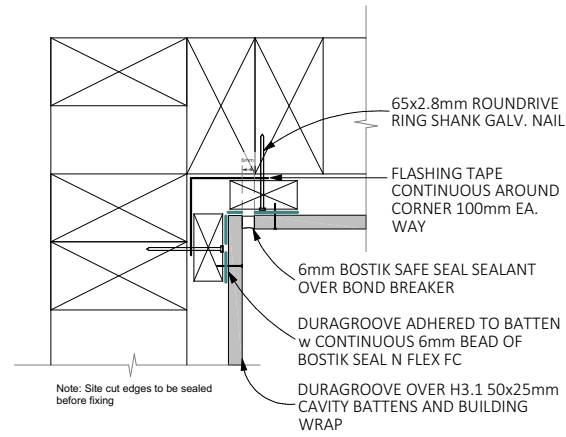
Danielle Cooper
em: danielle@cooperbydesign.co.nz
ph: 0277142079

SHEET: 17

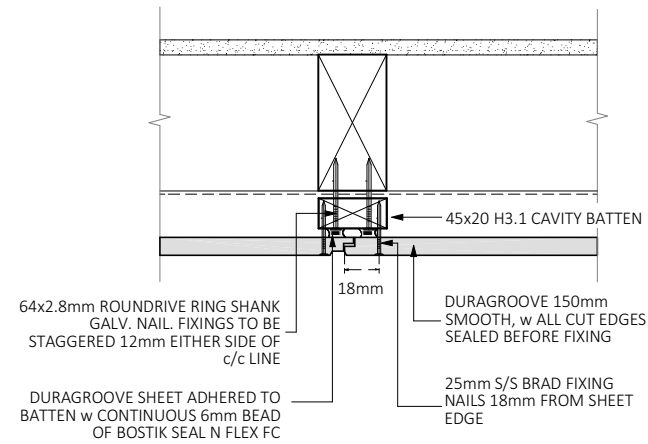
THE FOUNDATION PLAN IS SPECIFICALLY ENGINEER DESIGNED. REFER TO PLANS SUPPLIED FOR FULL DETAILS. THESE ARE SUPPLEMENTARY



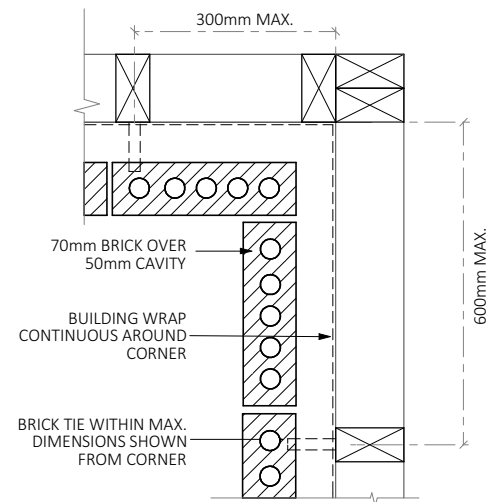
C-01 EXTERNAL CORNER DETAIL
INNOVA - SCALE 1:5



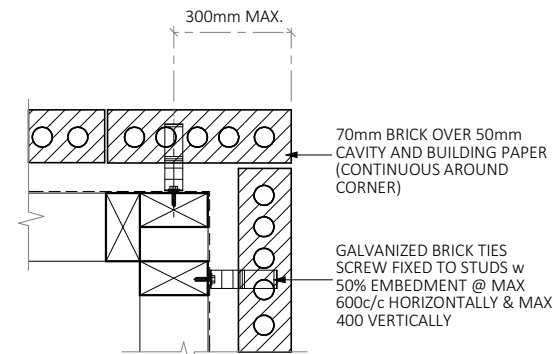
C-02 INTERNAL CORNER DETAIL
INNOVA - SCALE 1:5



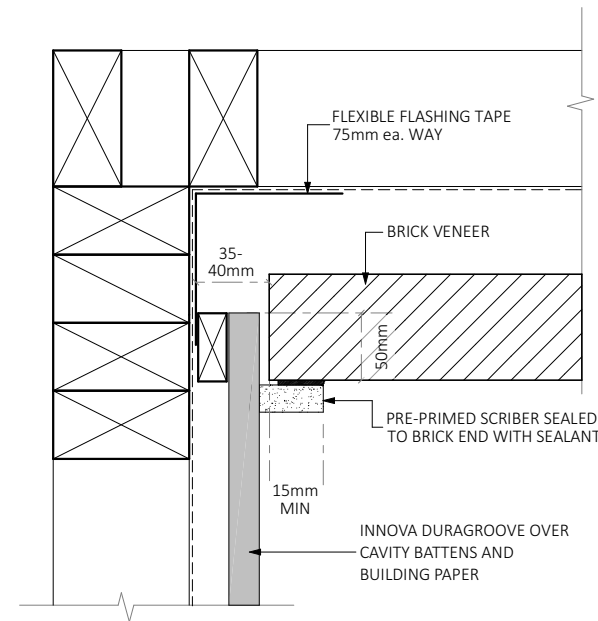
C-03 VERTICAL CLADDING JUNCTION
INNOVA - SCALE 1:5



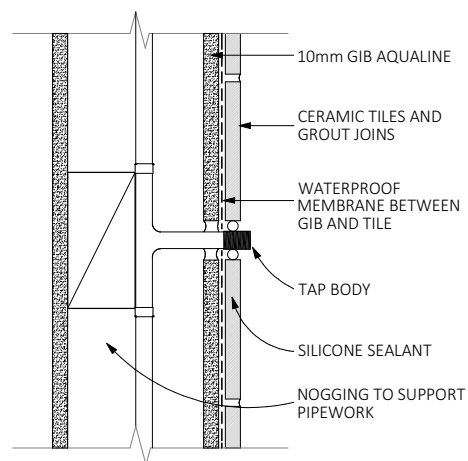
C-04 INTERNAL CORNER DETAIL
BRICK - SCALE 1:10



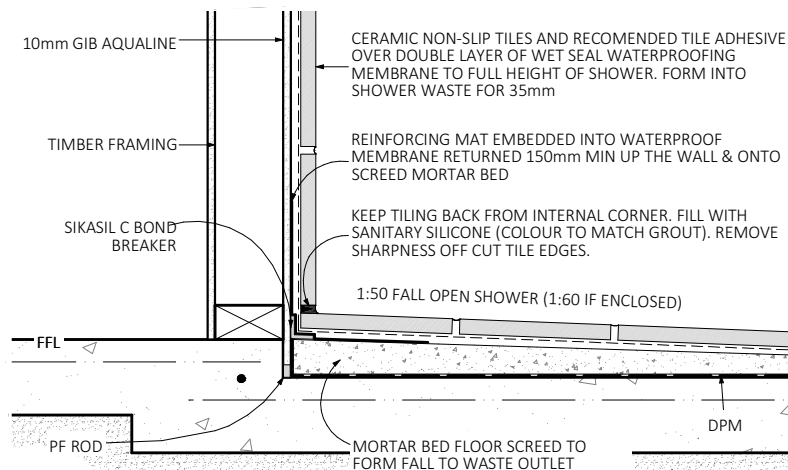
C-05 EXTERNAL CORNER DETAIL
BRICK - SCALE 1:10



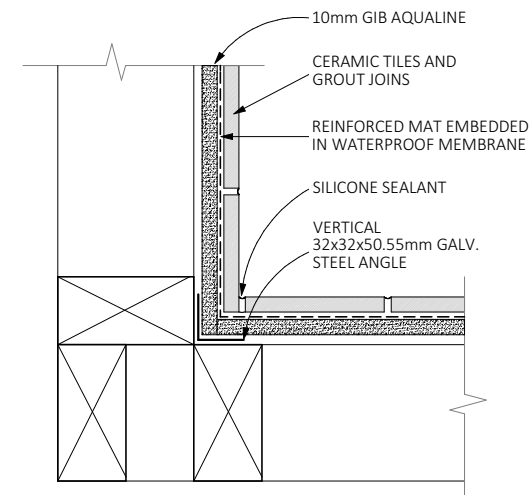
C-06 INTERNAL CORNER JUNCTION
INNOVA/BRICK - SCALE 1:5



B-01 PIPE PENETRATION IN TILED SHOWER WALL
SCALE 1:10



B-02 SHOWER WATERPROOFING CONSTRUCTION
SLAB - SCALE 1:10



B-03 TILED SHOWER INTERNAL CORNER
SCALE 1:10

SPECIFIC PAGE NOTES:

REVISIONS:

SHEET TITLE:

CLADDING & BATHROOM DETAILS

SCALE: VARIES - A3

DATE: 14/04/2026

PROJECT DESCRIPTION:

16 GREY ST
NEW DWELLING

SITE ADDRESS:
16 GREY STREET
KIHIKIHI

LOT / DP:
LOT 2 DPS 1289

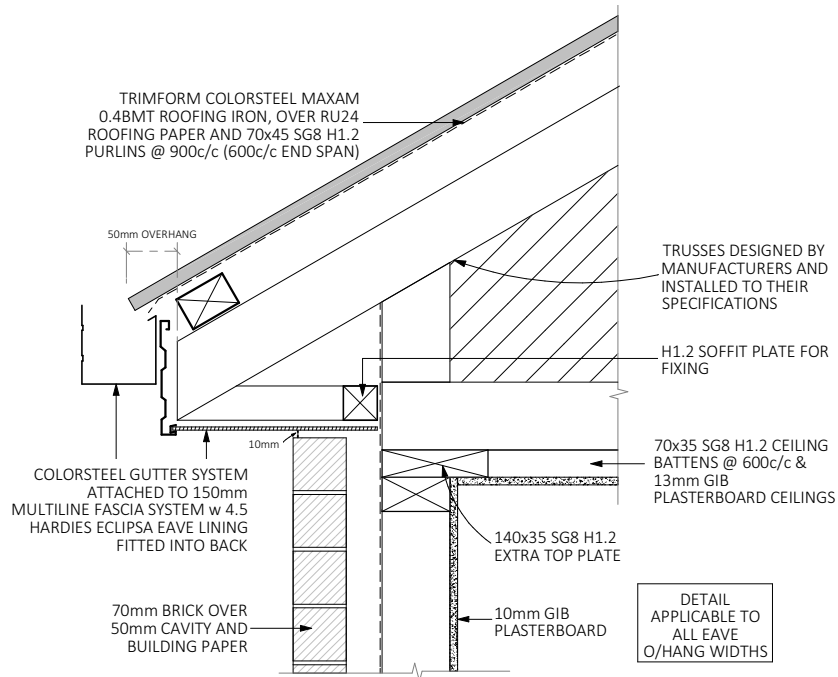
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| MEDIUM | 1 | B |



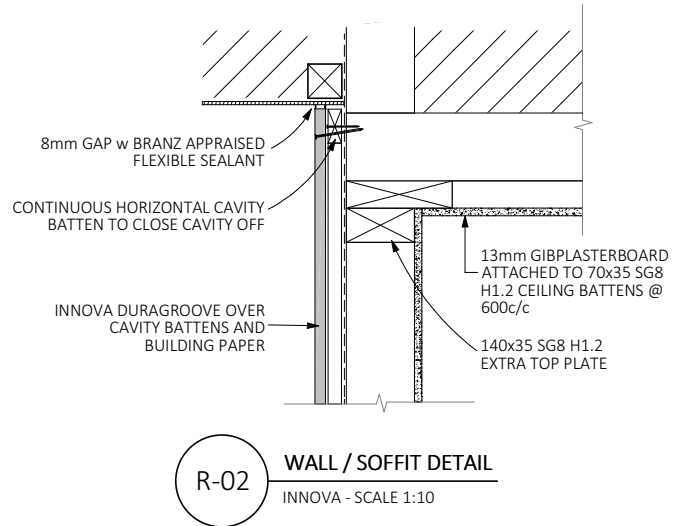
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ph: 0277142079

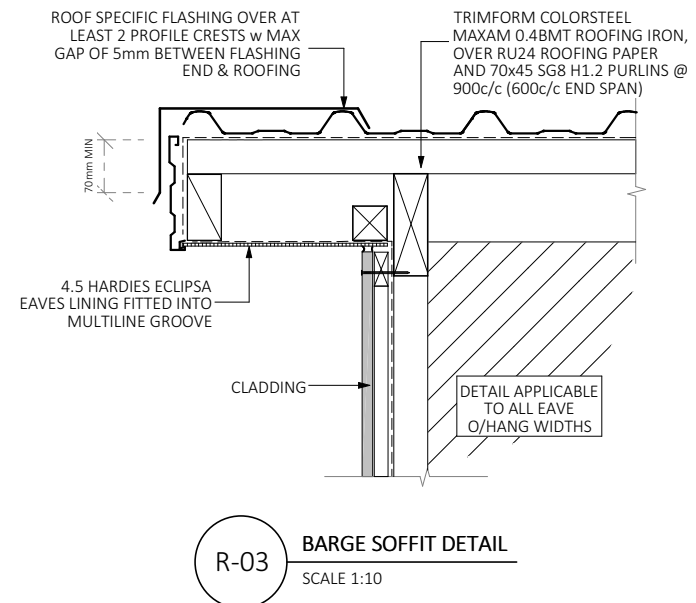
SHEET: 18



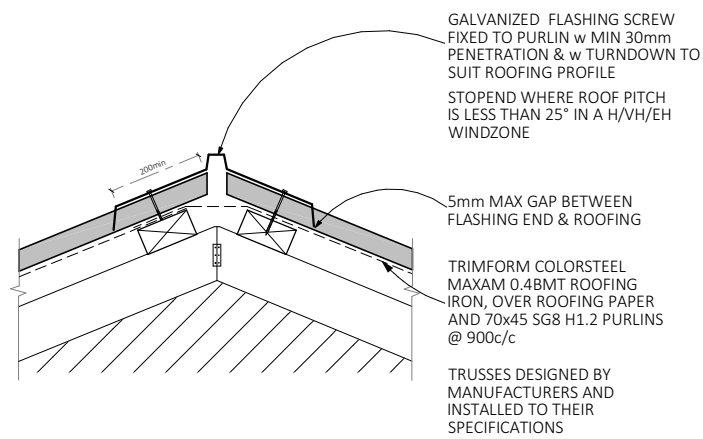
R-01 BOXED SOFFIT DETAIL
SCALE 1:10



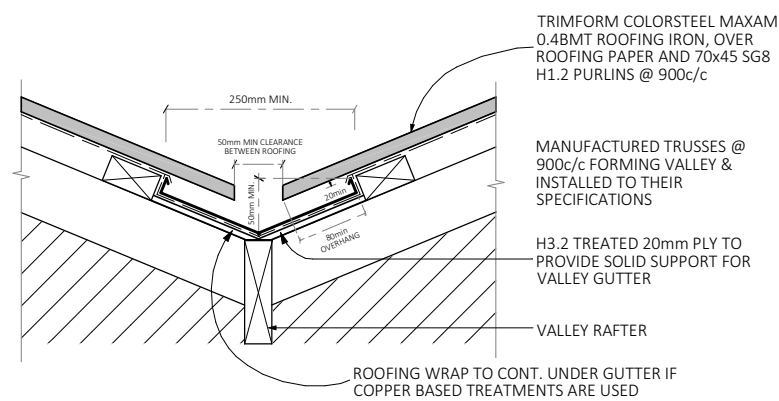
R-02 WALL / SOFFIT DETAIL
INNOVA - SCALE 1:10



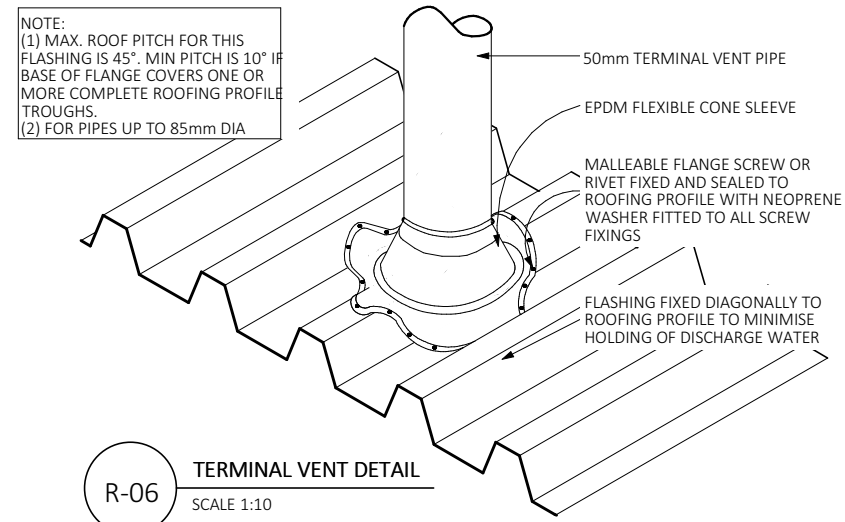
R-03 BARGE SOFFIT DETAIL
SCALE 1:10



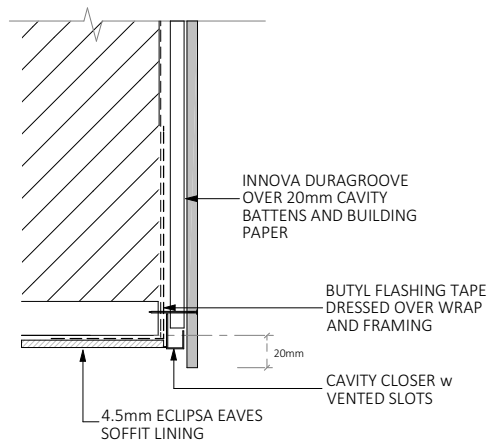
R-04 RIDGE JUNCTION DETAIL
SCALE 1:10



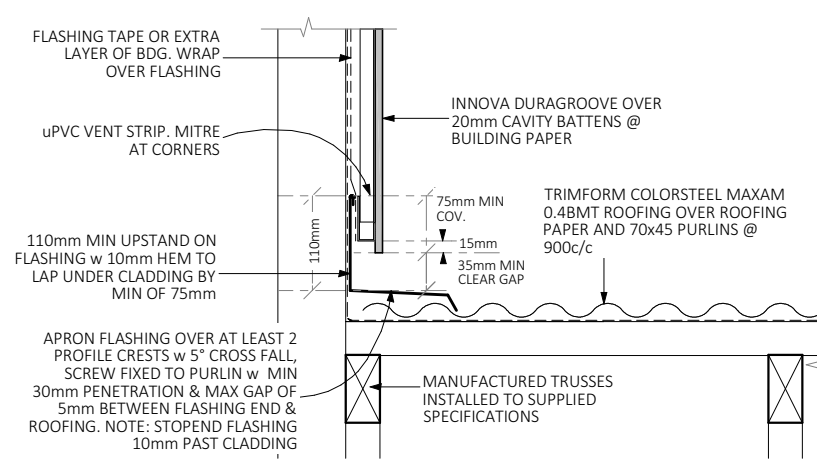
R-05 VALLEY JUNCTION DETAIL
SCALE 1:10



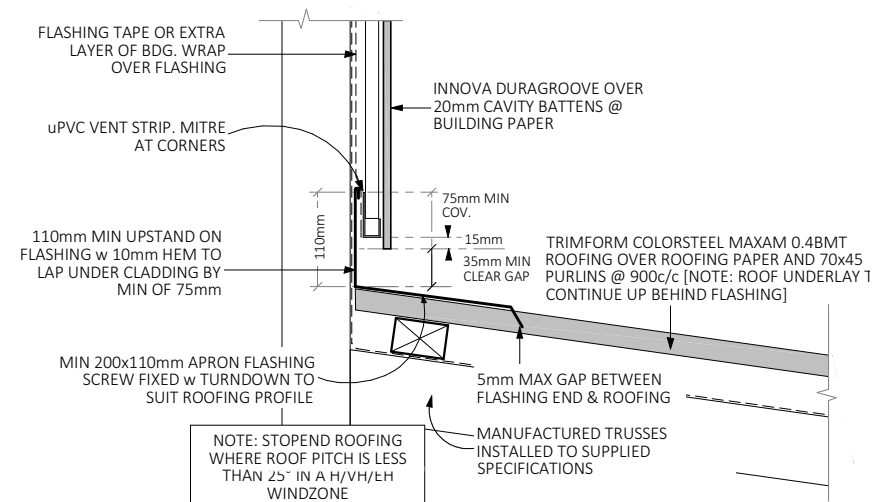
R-06 TERMINAL VENT DETAIL
SCALE 1:10



R-07 SOFFIT CLADDING EDGE JUNCTION PORTICO
INNOVA - SCALE 1:10



R-08 PARALLEL APRON FLASHING
INNOVA - SCALE 1:10



R-09 HORIZONTAL APRON FLASHING
INNOVA - SCALE 1:10

SPECIFIC PAGE NOTES:

REVISIONS:

SHEET TITLE:

ROOF DETAILS

SCALE: 1:10 @ A3

DATE: 14/04/2026

PROJECT DESCRIPTION:

16 GREY ST
NEW DWELLING

SITE ADDRESS:
16 GREY STREET
KIHIKIHI

LOT / DP:
LOT 2 DPS 1289

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| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| MEDIUM | 1 | B |

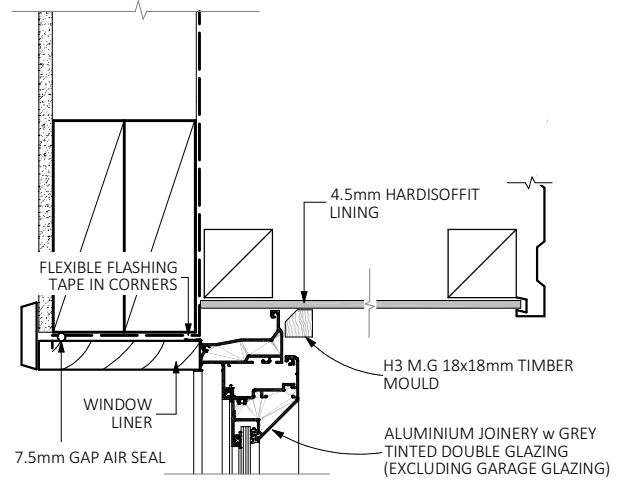


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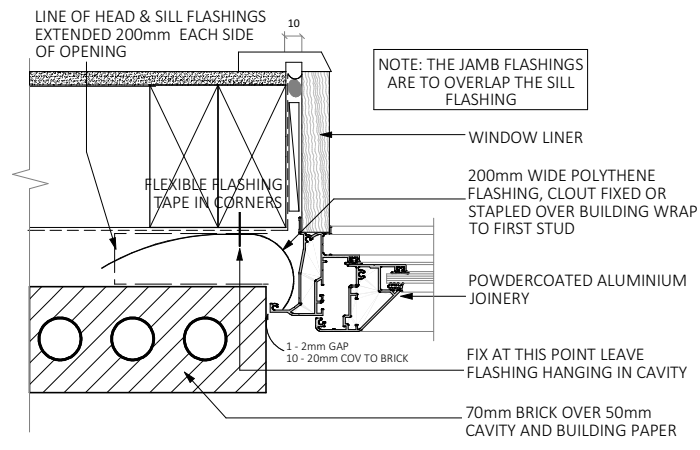
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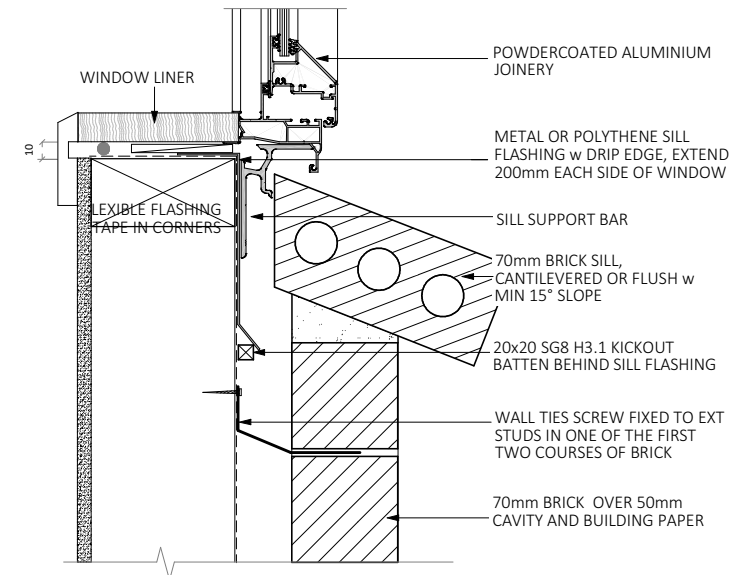
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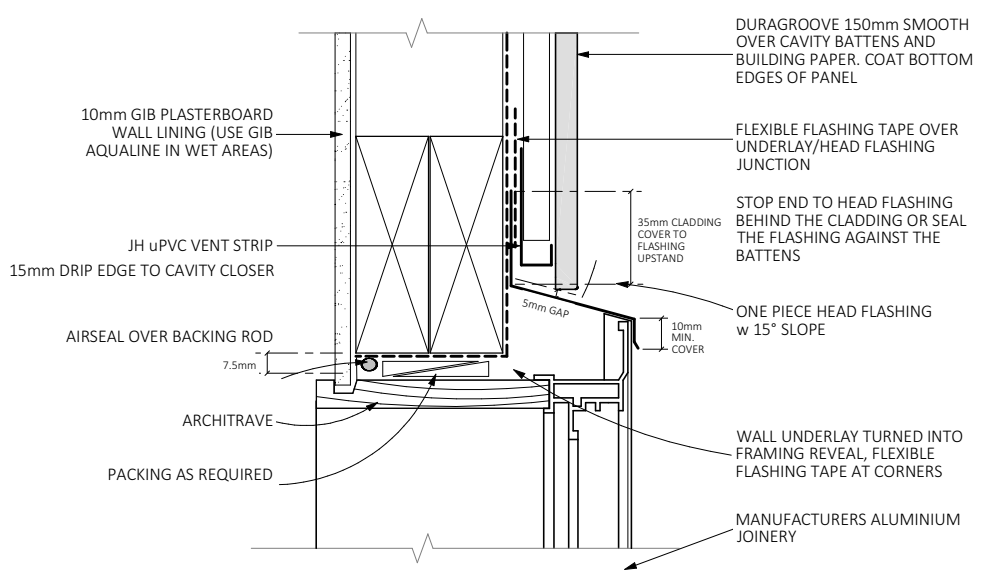
J-01 WIN/DOOR HEAD DETAIL
SOFFIT - SCALE 1:5



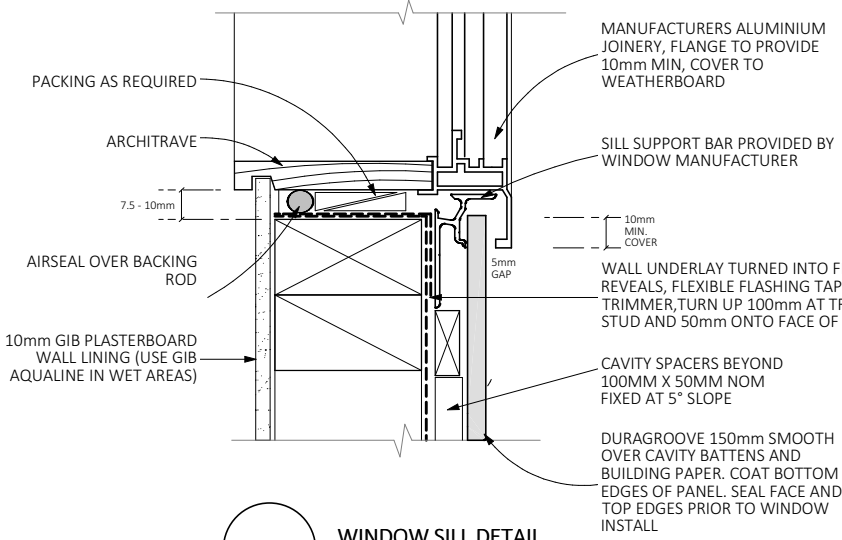
J-02 WIN/DOOR JAMB DETAIL
BRICK - SCALE 1:5



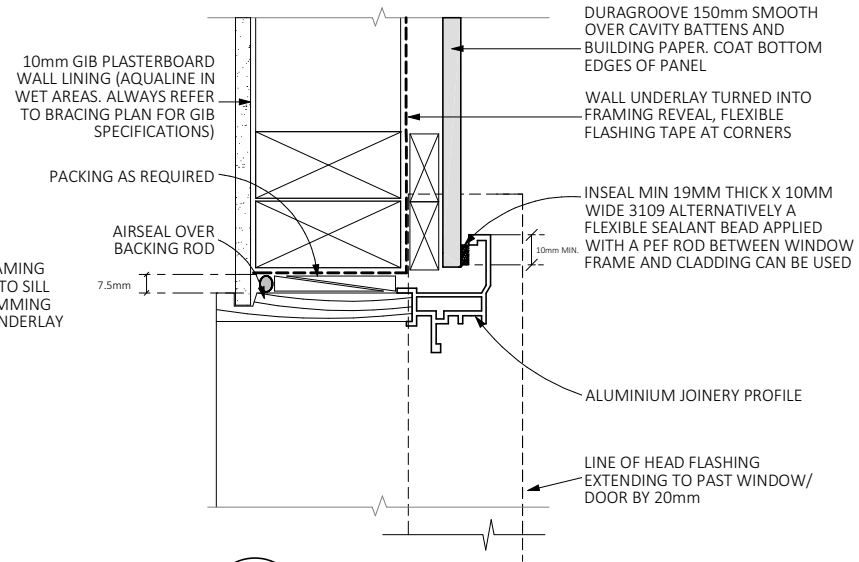
J-03 WINDOW SILL DETAIL
BRICK - SCALE 1:5



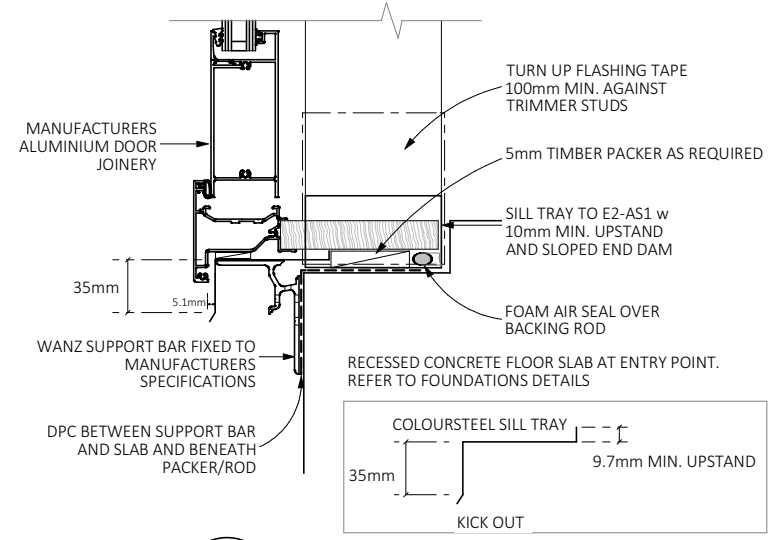
J-04 WIN/DOOR HEAD DETAIL
INNOVA - SCALE 1:5



J-05 WINDOW SILL DETAIL
INNOVA - SCALE 1:5



J-06 WIN/DOOR JAMB DETAIL
INNOVA - SCALE 1:5



J-07 DOOR SILL DETAIL
SCALE 1:5

REVISIONS:

SHEET TITLE:

JOINERY DETAILS

SCALE: 1:5 @ A3

DATE: 14/04/2026

PROJECT DESCRIPTION:

**16 GREY ST
NEW DWELLING**

SITE ADDRESS:

16 GREY STREET
KIHIKIHI

LOT / DP:

LOT 2 DPS 1289

WIND ZONE: EQ ZONE: EXPOSURE ZONE:

| | | |
|--------|---|---|
| MEDIUM | 1 | B |
|--------|---|---|



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ph: 0277142079