

GENERAL NOTES

- G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- G2. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT NOTED ON ENGINEER'S DRAWINGS. DO NOT SCALE ENGINEERING DRAWINGS
- G3. ALL DIMENSIONS AND SET OUT TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES TO BE REFERRED TO THE ENGINEER.
- G4. SUBSTITUTION SHALL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER
- G5. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS:

AREA	LIVE LOAD kN/m ²
ROOF	0.25
FLOOR	1.5
DECK	2.0
GARAGE	5.0

- G6. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVER STRESSED UNDER CONSTRUCTION ACTIVITIES.
- G7. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE RELEVANT S.A.A. CODES INCLUDING ALL AMENDMENTS, AND THE LOCAL STATUTORY AUTHORITIES EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS
- G8. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES

DRAWING LIST

S1/11 GENERAL NOTES & DRAWING LIST

S2/11 FOOTING PLAN

S3/11 FOOTING DETAILS (1)

S4/11 FOOTING DETAILS (2)

S5/11 FOOTING DETAILS (3)

S6/11 FIRST FLOOR FRAMING PLAN

S7/11 FIRST FLOOR FRAMING SCHEDULE

S8/11 ROOF FRAMING PLAN

S9/11 FRAMING DETAILS (1)

S10/11 FRAMING DETAILS (2)

S11/11 FRAMING DETAILS (3)

B1/4 GROUND FLOOR BRACING PLAN

B2/4 FIRST FLOOR BRACING PLAN

B3/4 BRACING DETAILS (1)

B4/4 BRACING DETAILS (2)

CONCRETE NOTES

- C1. ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS3600
- C2. MINIMUM COVER (mm) TO ALL REINFORCEMENT, UNLESS OTHERWISE NOTED SHALL BE AS FOLLOWS;
- | | |
|---------------------|----|
| COLUMNS & PEDESTALS | 40 |
| BEAMS | 30 |
| FOOTINGS | 50 |
| SLABS | 25 |
- C3. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES
- C4. CONCRETE SECTIONS SHOWN ARE MINIMUM AND NO REDUCTION OF THESE SIZES BY DUCTS, PIPES, CONDUITS, ETC. CAN BE MADE WITHOUT THE APPROVAL OF THE ENGINEER
- C5. CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN OR SPECIFICALLY APPROVED BY THE ENGINEER
- C6. REINFORCEMENT IS SHOWN DIAGRAMATICALLY AND NOT NECESSARILY SHOWN IN TRUE PROJECTION
- C7. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS SHOWN OR OTHERWISE APPROVED BY THE ENGINEER
- C8. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER
- C9. ALL REINFORCEMENT SHALL BE SUPPORTED IN ITS CORRECT POSITION DURING CONCRETING BY APPROVED BAR CHAIRS, SPACERS, OR SUPPORT BARS.
- C10. REINFORCEMENT SYMBOLS
S - STRUCTURAL GRADE DEFORMED BAR TO AS 1302
C - COLD WORKED DEFORMED BAR TO AS 1302
R - STRUCTURAL GRADE PLAIN ROUND BAR TO AS 1302
F - HARD DRAWN STEEL WIRE REINFORCING FABRIC TO AS 1304
N - HEAT TREATED DEFORMED BAR TO AS 1302
THE NUMBER FOLLOWING THE BAR SYMBOL IS THE NORMAL BAR DIAMETER IN mm
- C11. CAMBER UNLESS OTHERWISE NOTED ON DRAWINGS, SLABS SHALL BE GIVEN A POSITIVE UPWARD CAMBER AT MIDSPAN OF 3mm PER 1000mm SPAN
METHOD OF CAMBERING IS TO BE AGREED WITH THE ENGINEER
BEAMS SHALL BE CAMBERED AS SHOWN ON THE DRAWINGS. (NEGATIVE CAMBER NOT ALLOWED.)
- C12. CONCRETE COMPONENTS AND QUALITY SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE

ELEMENT	F _c (MPa)	DENSITY
SLABS	25 UNO	-
FOOTINGS	25	-
PADS	25	-

- C13. FORMWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS 3610
- C14. ALL PROPS AND FORMWORK FOR BEAMS AND SLABS SHALL BE REMOVED BEFORE CONSTRUCTION OF ANY MASONRY WALLS OR PARTITIONS ON THE FLOOR.
- C15. PROVIDE TWO LAYERS OF SUITABLE MEMBRANE (MAL THOID ETC.) OVER BRICKWORK SUPPORTING CONCRETE.
- C16. CONCRETE SLABS SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN DAYS AFTER POURING OF CONCRETE.
- C17. FORMWORK SHALL BE LEFT IN PLACE (UNLESS OTHERWISE NOTED) FOR
SLABS - 21 DAYS
BEAMS - 28 DAYS

GROUND SLAB NOTES

- N1. SITE PREPARATION
ALL TOPSOIL CONTAINING GRASS ROOTS OR OTHER ORGANIC MATERIAL TO BE REMOVED PRIOR TO SLAB CONSTRUCTION
- N2. SITE DRAINAGE
DRAINAGE MUST BE CONSTRUCTED TO AVOID WATER PONDING AGAINST OR NEAR THE FOOTING. THE GROUND IN THE IMMEDIATE VICINITY OF THE PERIMETER FOOTING SHALL BE GRADED TO FALL 50mm MIN AWAY FROM THE FOOTING OVER A 1m DISTANCE.
- N3. WORKMANSHIP
FOOTING DESIGN AS PER AS2870 'RESIDENTIAL SLABS AND FOOTINGS'
ALL WORKMANSHIP TO COMPLY WITH AS3600 'CONCRETE STRUCTURES' AND AS2870 'RESIDENTIAL SLABS AND FOOTINGS'

- N4. VAPOUR BARRIER
A VAPOUR BARRIER MEMBRANE MUST BE USED BENEATH THE SLAB AND CONSIST OF U.V. - PROOF POLYETHYLENE, 0.2mm THICK, LAPPED 300mm AND TAPED AT JOINTS
- N5. REINFORCEMENT
SLAB REINFORCEMENT FABRIC SHALL BE PLACED WITH A TOP COVER OF 30mm U.N.O. AND LAPPED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
SLAB BEAM OR STRIP FOOTING REINFORCEMENT SHALL HAVE 50mm COVER TOP AND BOTTOM AND BE LAPPED NOT LESS THAN 500mm. ALL REINFORCEMENT TO BE SUPPORTED ON BAR CHAIRS AT MAXIMUM SPACINGS OF 1200mm
- N6. SPECIAL REQUIREMENTS
THE OWNER'S ATTENTION IS DRAWN TO 'APPENDIX B' OF AS2870 - 'PERFORMANCE REQUIREMENTS AND FOUNDATION MAINTENANCE'
C.S.I.R.O PAMPHLET 10.91 'GUIDE TO HOME OWNERS ON FOUNDATION MAINTENANCE & FOOTING PERFORMANCE'
- N7. CONCRETE SLABS SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN DAYS AFTER POURING OF CONCRETE.

TIMBER NOTES

- T1. ALL TIMBER FRAMING WORK SHALL COMPLY WITH WITH THE CURRENT AS 1720, AS1684 AND THE PROJECT SPECIFICATION
- T2. DETAILS OF GALVANISED METAL PLATE CONNECTORS PROPOSED FOR THE VARIOUS TIMBER MEMBER CONNECTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AT LEAST 14 DAYS PRIOR TO INSTALLATION. ENGINEERS APPROVAL WILL BE BASED ON CONNECTOR TYPE, SIZE & LOAD CARRYING CAPACITY
- T3. OREGON TIMBER SHALL BE UNSEASONED, STRENGTH GROUP S5, STRESS GRADE F7.
PINE TIMBER SHALL BE KILN DRIED SEASONED RADIATA PINE, STRENGTH GROUP SD7, STRESS GRADE F5, F7, F8, MGP10, MGP12, MGP15
KDHW TIMBER SHALL BE KILN DRIED SEASONED HARDWOOD, STRENGTH GROUP SD3, STRESS GRADE F17
HW TIMBER SHALL BE UNSEASONED HARDWOOD, STRENGTH GROUP S4, STRESS GRADE F8
LVL 'HYSpan' SHALL BE LAMINATED VENEER LUMBER TO BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS
- T4. ACTUAL TIMBER SIZES SHALL NOT BE MORE THAN 3mm UNDER THE SIZES NOMINATED ON THE DRAWINGS OR SPECIFICATION.
- T5. ALL STEEL PLATES, WASHERS, BOLTS AND NUTS FOR TIMBER FIXINGS SHALL COMPLY WITH AS 1250, AS 4100 & AS 1720
- T6. TIMBER FRAMING FOR FLOORS AND WALLS SHALL BE ADEQUATELY BRACED TO AS1684 UNO
- T7. THE BUILDER SHALL RE-TIGHTEN ALL EXPOSED BOLTS TO TIMBER WORK JUST PRIOR TO PRACTICAL COMPLETION.
INACCESSIBLE BOLTS SHALL BE RE-TIGHTEN JUST PRIOR TO INSTALLATION OF FINISHES OR CLADDINGS
- T8. ALL TIMBER FRAMING SHALL BE INSPECTED PRIOR TO INSTALLATION OF CLADDINGS OR FINISHES
- T9. IN GENERAL, UNLESS OTHERWISE NOTED, FOR BOLTED JOINTS END DISTANCE TO BOLTS SHALL BE NOT LESS THAN 5 TIMES THE NOMINAL BOLT DIAMETER
EDGE DISTANCE TO BOLTS SHALL BE NOT LESS THAN 4 TIMES THE NOMINAL BOLT DIAMETER
- T10. PROVIDE WEATHER RESISTANT TREATMENT TO ALL EXTERNAL & EXPOSED TIMBER FRAMING

STEELWORK NOTES

- S1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 4100 & AS 1250
- S2. WELDING SHALL BE PERFORMED BY AN EXPERIENCED OPERATOR IN ACCORDANCE WITH AS 1554
- S3. BOLTS NOT DESIGNATED SHALL BE 4.6/S BOLTS TO AS 1252 & 4100 & TIGHTENED TO A SNUG FIT
BOLTS DESIGNATED 8.8/S, 8.8/TB & 8.8/TF SHALL BE HIGH STRENGTH STEEL BOLTS TO AS 1252 & 4100 & TIGHTENED IN ACCORDANCE WITH AS 4100 UNLESS NOTED OTHERWISE
- S4. THE CONTRACTOR SHALL PROVIDE AND LEAVE IN PLACE, UNTIL PERMANENT BRACING ELEMENTS ARE CONSTRUCTED, SUCH TEMPORARY BRACING AS IS NECESSARY TO STABILISE THE STRUCTURE DURING ERECTION.
- S5. CONCRETE ENCASED STEELWORK SHALL BE WRAPPED WITH F41 FABRIC UNLESS NOTED OTHERWISE

- S6. THE ENDS OF ALL TUBULAR MEMBERS ARE TO BE SEALED WITH NOMINAL THICKNESS PLATES AND CONTINUOUS FILLET WELD UNLESS NOTED OTHERWISE
- S7. CAMBER TO BE AS NOTED ON ARCHITECTURAL DRAWINGS UNO
- S8. UNLESS NOTED OTHERWISE, WELDS TO BE 6mm CONTINUOUS FILLET.
- S9. ALL INTERNAL STEELWORK, EXCEPTING THAT ENCASED IN CONCRETE, FIRE SPRAYED OR HSTF CONNECTIONS, SHALL BE THOROUGHLY WIRE BRUSHED TO AS 1627 AND PAINTED WITH ONE COAT OF APPROVED ZINC RICH PRIMER. UNLESS NOTED OTHERWISE.
- S10. ALL EXTERNAL STEELWORK & ALL STEELWORK WITHIN 1km OF THE COAST SHALL BE HOT DIPPED GALVANISED.
- S11. ALL STEELWORK BELOW GROUND SHALL BE ENCASED IN 75mm CLEAR COVER OF 25MPa CONCRETE UNLESS NOTED OTHERWISE.

MASONRY NOTES

- B1. ALL MASONRY SHALL COMPLY WITH A.S. 1225 WITH STRENGTH
: f_{uc} = 15 MPa FOR CONCRETE BLOCKWORK
: f_{uc} = 30 MPa FOR CLAY BRICKWORK
- B2. ALL MORTAR SHALL BE VOLUME BATCHED, MACHINE MIXED CONCRETE PLACED AS WET AS POSSIBLE. SAND SHALL NOT CONTAIN MORE THAN 5% BY WEIGHT PASSING 75 MICRON SIEVE.
MORTAR MIX (CEMENT : LIME : SAND):
: GENERALLY.....1 : 1 : 6
: BELOW DAMPCOURSE..4 : 1 : 12
: CONC. BLOCK RETAINING WALLS..1 : 0 : 5 & METHYL CELLULOSE WATER THICKENER
- B3. CORE FILL FOR RETAINING WALLS SHALL BE READY MIXED CONCRETE
f_c = 25 MPa MINIMUM UNLESS NOTED OTHERWISE
SIZE AND SLUMP = 200 mm. MAX. GROUT MAY BE SITE MIXED, VOLUME BATCHED AND MACHINE MIXED IN PROPORTIONS 1 CEMENT : 3 SAND : 2 AGGREGATE (10 MAX. SIZE). GROUT SHALL BE PLACED IN 1000mm LIFTS MAXIMUM.
- B4. WHERE CONCRETE BEARS ON MASONRY PLACE 2 LAYERS OF MAL THOID UNDER CONCRETE FOR FULL THICKNESS AND LENGTH OF MASONRY WALL.
- B5. VERTICAL CONTROL JOINTS, THAT ARE NOT SHOWN ON THE ARCHITECTURAL DRAWINGS, SHALL BE LOCATED AT 6m. MAX. CENTRES OR 4m. CENTRES FOR CLASS H. ALL MASONRY WALL CONTROL JOINTS TO HAVE 'BRUNSWICK TIES' MFA TYPE TIES OR EQUIVALENT TO AS 3700 SPECIFICATIONS.



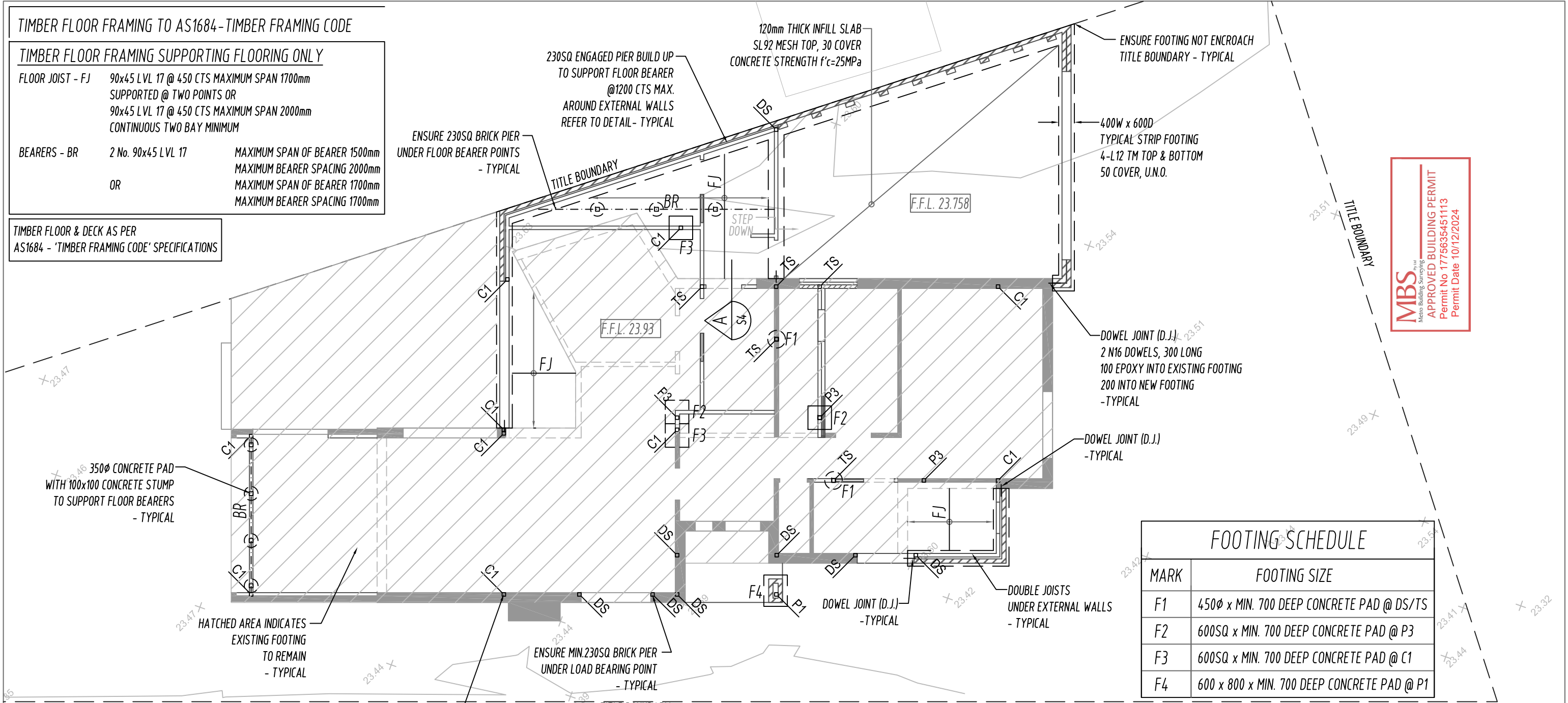
00	11/06/24	CONSTRUCTION ISSUE			
REVISION	DATE	DESCRIPTION			
A: 44 WOOD STREET, PRESTON, VIC 3072 P: (03) 9001 1360 E: info@knkconsulting.com.au					
JOB TITLE PROPOSED EXTENSION 3 AUSTIN ROAD, HAMPTON					
DRAWING TITLE GENERAL NOTES & DRAWING LIST					
DRAWN IW	CHECKED KL	SCALE -	DATE JUN 2024	DRG No. KNK23299-S1/11	ISSUE 00

TIMBER FLOOR FRAMING TO AS1684-TIMBER FRAMING CODE

TIMBER FLOOR FRAMING SUPPORTING FLOORING ONLY

FLOOR JOIST - FJ	90x45 LVL 17 @ 450 CTS MAXIMUM SPAN 1700mm SUPPORTED @ TWO POINTS OR 90x45 LVL 17 @ 450 CTS MAXIMUM SPAN 2000mm CONTINUOUS TWO BAY MINIMUM
BEARERS - BR	2 No. 90x45 LVL 17 OR MAXIMUM SPAN OF BEARER 1500mm MAXIMUM BEARER SPACING 2000mm MAXIMUM SPAN OF BEARER 1700mm MAXIMUM BEARER SPACING 1700mm

TIMBER FLOOR & DECK AS PER AS1684 - 'TIMBER FRAMING CODE' SPECIFICATIONS



MBS
Metro Building Surveying
APPROVED BUILDING PERMIT
Permit No 1775635451113
Permit Date 10/12/2024

MARK	FOOTING SIZE
F1	450Ø x MIN. 700 DEEP CONCRETE PAD @ DS/TS
F2	600SQ x MIN. 700 DEEP CONCRETE PAD @ P3
F3	600SQ x MIN. 700 DEEP CONCRETE PAD @ C1
F4	600 x 800 x MIN. 700 DEEP CONCRETE PAD @ P1

FOOTING PLAN

NOTE:-
BUILDER TO ENSURE NOT UNDERMINE NEIGHBOUR'S EXISTING FOOTINGS. IF OTHERWISE, CONTACT THIS OFFICE FOR FURTHER ADVICE, PRIOR TO ANY CONSTRUCTION.

BUILDER TO ENSURE NOT UNDERMINE THE EXISTING FOOTING IF OTHERWISE, CONTACT THIS OFFICE FOR FURTHER ADVICE PRIOR TO ANY CONSTRUCTION

SOIL CLASSIFICATION 'CLASS P'
SOIL REPORT: 09578 (22/02/2022)
SOIL TEST MELBOURNE
FOR FOUNDING MATERIAL & DEPTHS

REFER TO ARCHITECTURAL DRAWINGS FOR CONFIRMATION OF ALL STEP AND SET DOWN DIMENSIONS AND LOCATIONS

FOOTINGS FOUNDED ADJACENT TO EASEMENTS TO BE FOUNDED BELOW ANGLE OF REPOSE TO ALL SERVICES WITHIN THE EASEMENT (e.g SEWER, WATER, PHONE, etc.)

IF THE REMOVAL OF A PRE-EXISTING STRUCTURE OR VEGETATION DISTURBS THE FOUNDATION SOIL, LOCALLY DEEPEN FOOTING TO AT LEAST 200mm BELOW THE DISTURBED LEVEL. IF CONSTRUCTION IS TO COMMENCE IN LATE SUMMER OR AUTUMN AND LARGE TREES ARE TO BE REMOVED, THE MOISTURE CONDITION SHOULD BE STABILIZED BY STEADY SOAKING THE DRY AREAS AROUND THE REMOVED TREES.

NOTE: REMOVE OF ADJACENT TREES & LARGE SHRUBS OTHERWISE, BLINDING CONCRETE TO BE FOUNDED MIN. 2000mm BELOW N.S. OR ON WEATHERED ROCK TO SURROUNDING AREAS CONTACT THIS OFFICE FOR FURTHER ADVICE

ATTENTION BUILDER/EXCAVATOR:
DO NOT UNDERMINE ANY EXISTING FOOTINGS WITH EXCAVATION WORKS!!!

THE BUILDER SHALL ENSURE THAT PROXIMITY OF ANY EXISTING NEIGHBORING FOOTINGS OR STRUCTURES ARE SUCH THAT THEY ARE NOT UNDERMINED OR DESTABILIZED BY ANY EXCAVATION OR EXCAVATION WORKS. FOOTING CONSTRUCTION OR ANY EXCAVATION WORKS SHALL BE CARRIED OUT SUCH THAT ADJACENT NEIGHBORING EARTH AT ANY BOUNDARY IS NOT DISTURBED OR DESTABILIZED REFER TO THIS OFFICE FOR GUIDANCE, IF REQUIRED

NOTE: ENSURE MIN. 350Ø CONCRETE PAD WITH 100x100 CONCRETE STUMP UNDER ALL LOAD BEARING POINTS, U.N.O.

BUILDER TO ENSURE ALL FOOTINGS FOUNDED AT LEAST 100 mm PAST ANGLE OF REPOSE TO EXISTING PIPE (WHEREVER IS REQUIRED)

NO LARGE SHRUBS SHOULD BE PLANTED NEAR THE BUILDING - REFER TO SOIL REPORT

BUILDER ENSURE NO PART OF FOOTINGS TO ENCROACH BOUNDARY LINE

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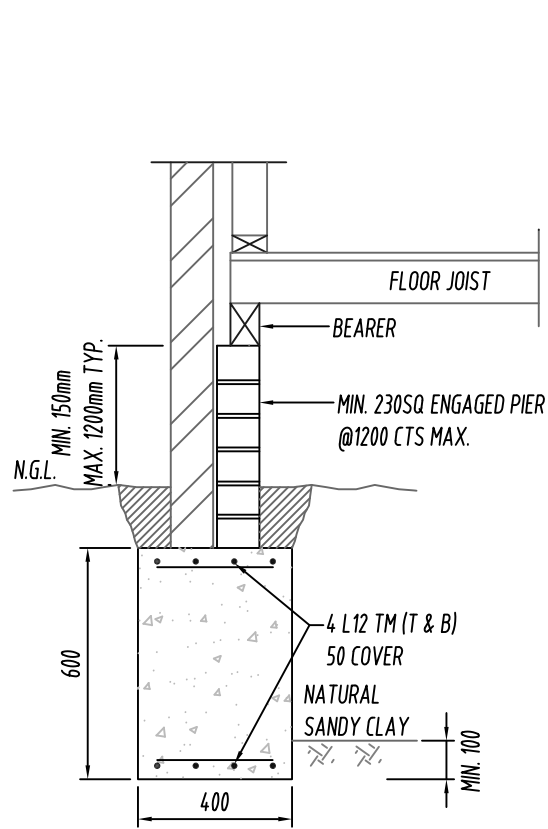


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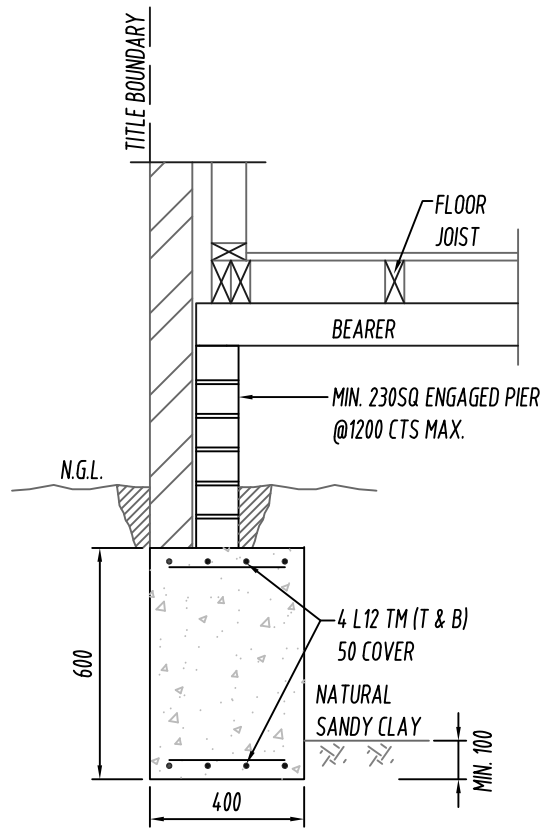
JOB TITLE
PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON

DRAWING TITLE
FOOTING PLAN

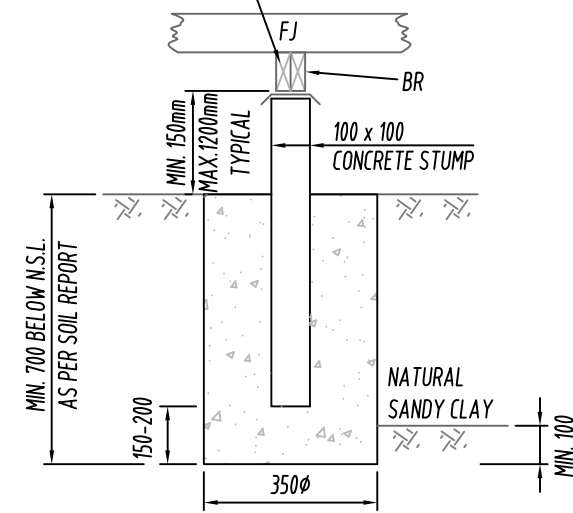
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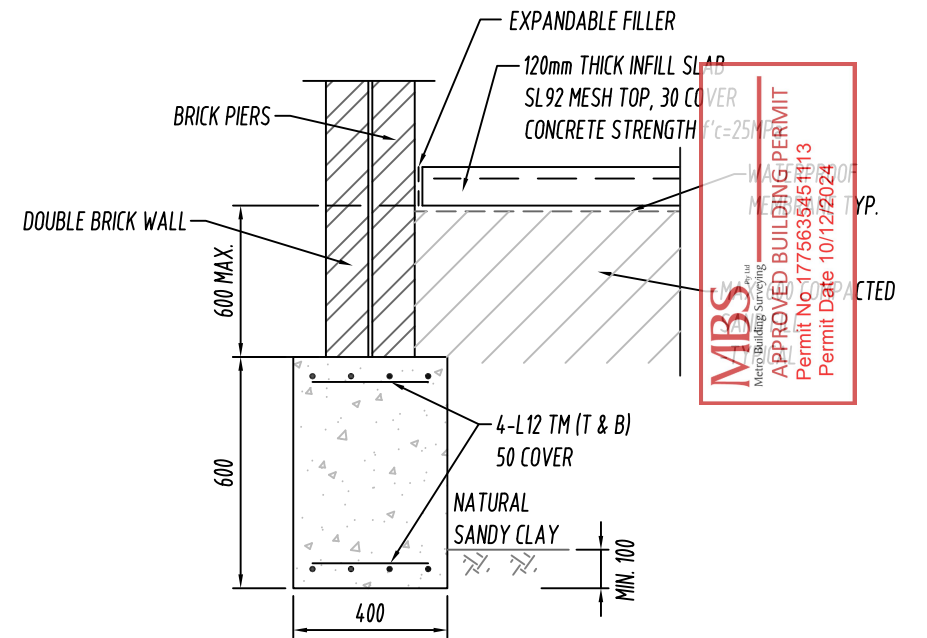
TYPICAL EXTERNAL STRIP FOOTING DETAILS



TIMBER FLOOR / DECK AS PER AS1684 - TIMBER FRAMING CODE SPECIFICATIONS



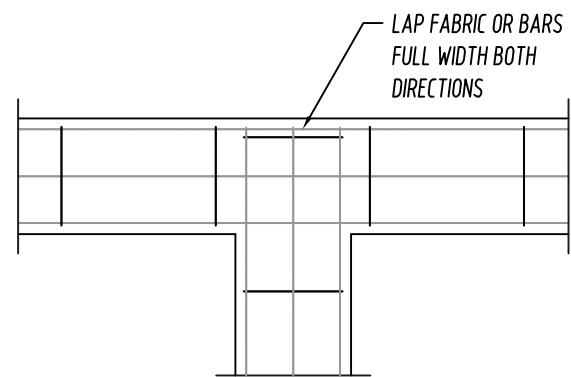
TYPICAL STUMP & PAD DETAILS



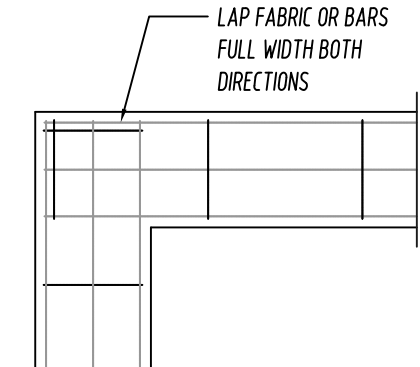
TYPICAL STRIP FOOTINGS @ GARAGE

TIMBER FLOOR & DECK AS PER AS1684 - 'TIMBER FRAMING CODE' SPECIFICATIONS

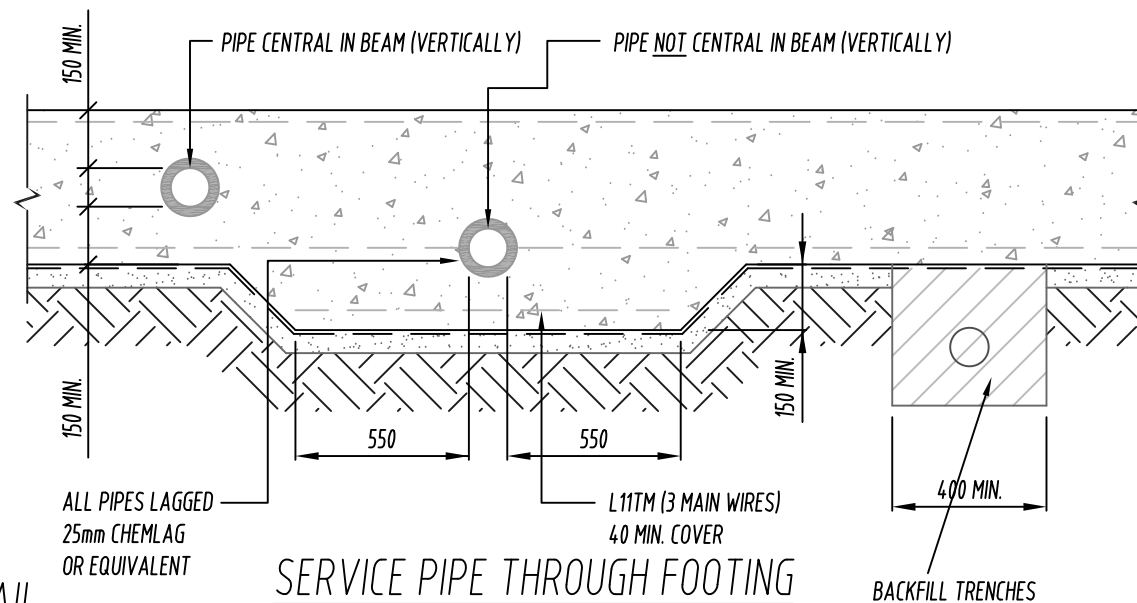
MIN. CLEARANCE FOR FLOOR/ DECK BEARERS SHALL BE INCREASED TO 400mm FOR TERMITE SITE BUILDER TO VERIFY ON SITE, PRIOR TO ANY CONSTRUCTION



TYPICAL FOOTING INTERSECTION DETAIL



TYPICAL FOOTING CORNER DETAIL



SERVICE PIPE THROUGH FOOTING

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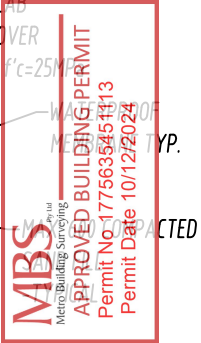


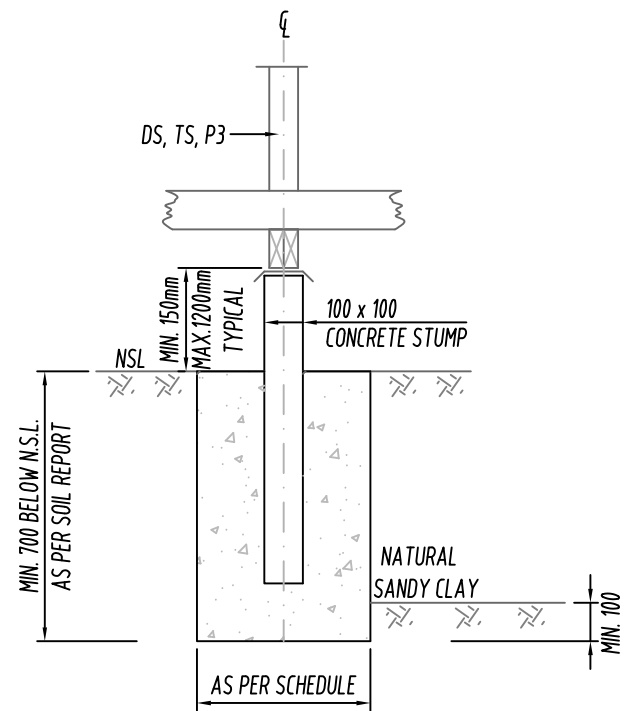
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JOB TITLE
PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON

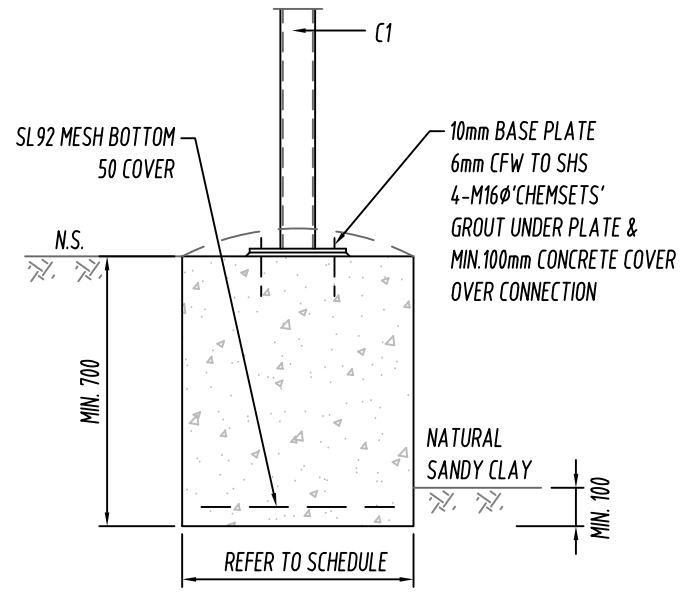
DRAWING TITLE
FOOTING DETAILS (1)

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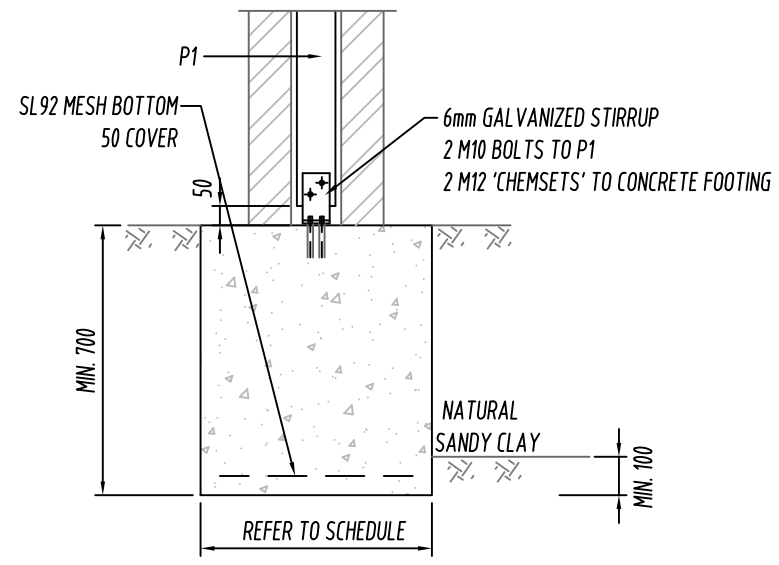




F1 / F2 FOOTING DETAIL



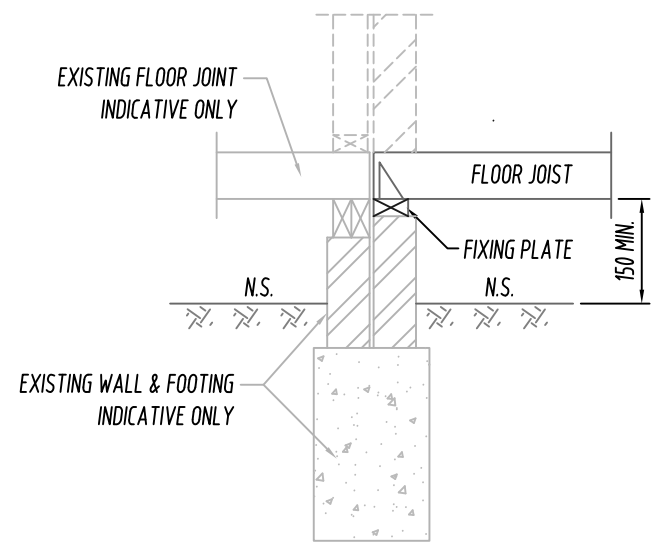
F3 FOOTING DETAIL



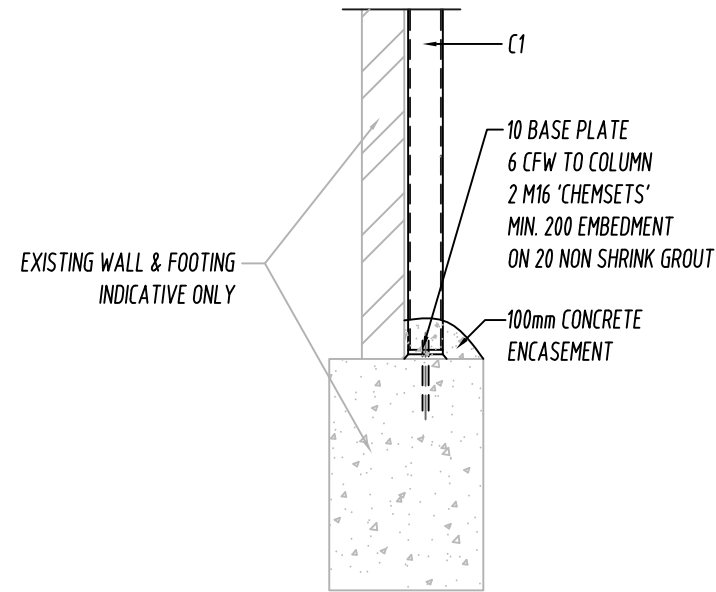
F4 FOOTING DETAIL

TIMBER FLOOR & DECK AS PER AS1684 - 'TIMBER FRAMING CODE' SPECIFICATIONS

MIN. CLEARANCE FOR FLOOR/ DECK BEARERS SHALL BE INCREASED TO 400mm FOR TERMITES SITE BUILDER TO VERIFY ON SITE, PRIOR TO ANY CONSTRUCTION



SECTION A S2



TYPICAL C1 ON EXISTING FOOTING DETAIL



REVISION	DATE	DESCRIPTION
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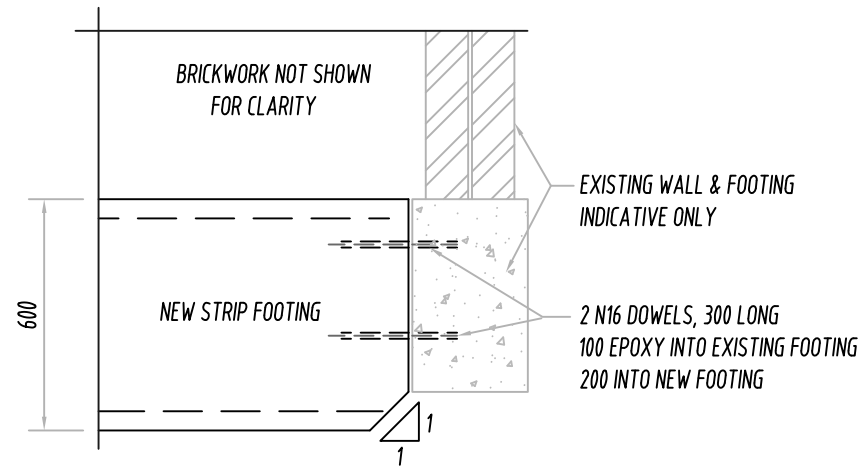


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FOOTING DETAILS (2)

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IW	KL	1:20	JUN 2024	KNK23299-S4/11	00



DOWEL JOINT (D.J.) DETAIL

BUILDER TO ENSURE NOT UNDERMINE THE EXISTING FOOTING
IF OTHERWISE, CONTACT THIS OFFICE FOR FURTHER ADVICE
PRIOR TO ANY CONSTRUCTION



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00	11/06/24	CONSTRUCTION ISSUE



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JOB TITLE
**PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON**

DRAWING TITLE
FOOTING DETAILS (3)

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BUILDER TO CONFIRM THE EXISTING STRUCTURE IS IN A GOOD CONDITION. IF OTHERWISE, CONTACT THIS OFFICE FOR FURTHER ADVICE, PRIOR TO ANY CONSTRUCTION.

TEMPORARY PROP EXISTING STRUCTURE DURING CONSTRUCTION

ENSURE REMOVED WALL SHOULD BE NON-LOAD BEARING WALL IF OTHERWISE, CONTACT THIS OFFICE FOR FURTHER ADVICE, PRIOR TO ANY CONSTRUCTION.

EXISTING NON-LOAD BEARING WALL TO BE REMOVED BUILDER TO CONFIRM ON SITE IF OTHERWISE, CONTACT THIS OFFICE FOR FURTHER ADVICE, PRIOR TO ANY CONSTRUCTION. -TYPICAL

2xC1, 6 CFW 300 EACH END THEN HIT 150 MISS 150 ALTERNATING EACH SIDE -TYP.

OTR
OTR F.S.B.W. TO B14

B14 CRANKED @ RIDGE F.S.B.W. @ CRANKED POINT

SHORT STUD PROP (75x75x5.0 SHS) (IF REQUIRED)

NO BRICKWORK OVER -TYPICAL

230 SQ ENGAGED BRICK PIER @960 CTS. MAX TYPICAL

HOOP IRON TIE DOWN MIN.1200 INTO BRICKWALL TYPICAL

SKYLIGHT AS PER MANUF. SPECS. -TYPICAL

MIN. 200mm END BEARING ON DOUBLE BRICKWORK (EACH END)-TYPICAL

ALL SOLID SHOWN WALLS ARE EXISTING AND TO REMAIN -TYPICAL

EXISTING ROOF TO REMAIN

10mm STIFFENER PLATE 6 CFW TO STEEL BEAM OPTION @ LOAD BEARING POINT

MBS Metro Building Surveying
APPROVED BUILDING PERMIT
Permit No 1775635451113
Permit Date 10/12/2024

TITLE BOUNDARY

ALL EXTERNAL TIMBER TO BE TREATED AGAINST WEATHER EXPOSURE

NOTE:- FOR STUDS OVER 3600 HIGH USE 90 x 45 F17 KDHW

ENSURE DOUBLE JOISTS UNDER ALL WALLS

ALL TIMBER FRAMING, BRACING & TIE DOWNS TO BE IN ACCORD WITH AS1684 'LIGHT TIMBER FRAMING CODE'

ALL EXTERNAL STEELWORKS & ALL STEELWORKS WITHIN 1 km OF THE COAST TO BE HOT DIPPED GALVANISED

NOTES:

1. THE STABILITY OF THE BUILDING DURING CONSTRUCTION IS THE BUILDERS RESPONSIBILITY REFER TO ARCHITECTS DRAWINGS AND SPECIFICATION FOR ALL GLAZING AND GLAZING BARS.
2. PROVIDE DOUBLE FLOOR JOISTS DIRECTLY UNDER POSTS & WALLS U.N.O.
3. ALL BEAMS AND LINTELS ARE TO HAVE A MINIMUM END BEARING ON 2/ 90x45 MGP10 STUDS OR 110mm MIN. ON BRICKWORK UNLESS DETAILED OTHERWISE
4. ALL ROOF CONSTRUCTION IS TO BE SECURELY BRACED AND TIED DOWN TO AS1684.
5. THE STEEL FABRICATOR IS TO PROVIDE ALL CLEATS AND HOLES FOR THE CONNECTION OF ALL FRAMING MEMBERS, BATTENS AND FURRING STRIPS ETC.
6. ALL EXPOSED STEEL WORK AND OUTER SKIN STEEL LINTELS ARE TO BE HOT DIPPED GALVANIZED
7. TIMBER FRAMING TO BE IN ACCORDANCE WITH AS1684 (NATIONAL TIMBER FRAMING CODE) OR AS NOTED ON ARCHITECTS DRAWINGS (U.N.O.)
8. PROVIDE FIRE RATING AS REQUIRED BY THE RELEVANT AUTHORITY
9. BUILDER TO CONFIRM ALL DEMOLISHED INTERNAL WALLS ARE NON-LOAD BEARING WALL. IF OTHERWISE, CONTACT THIS OFFICE FOR FURTHER ADVICE, PRIOR TO ANY CONSTRUCTION.
- 10.

FIRST FLOOR FRAMING PLAN

== INDICATES INTERNAL LOAD BEARING WALLS (L.B.W.)
WALL BRACING AS PER 'AS1684' -TIMBER FRAMING CODE SPECS.
NOTE: PROVIDE DOUBLE STUDS (DS) UNDER EACH END OF ALL TIMBER LINTELS, BEAMS ETC. UNLESS NOTED OTHERWISE

ROOF TRUSSES TO MANUFACTURER'S DESIGN & SPECIFICATIONS.

IT IS THE BUILDER & TRUSS MANUFACTURERS RESPONSIBILITY THAT ALL GIRDER & MAIN ROOF TRUSSES ARE SUPPORTED ON ADEQUATE SUPPORTS. IF GIRDER & MAIN TRUSSES FALL ON LINTELS OR BEAMS THIS OFFICE TO BE NOTIFIED IMMEDIATELY. NO RESPONSIBILITY WILL BE TAKEN IF THIS IS NOT DONE.

TRUSS MANUFACTURER TO ALLOW FOR SKYLIGHTS. REFER TO ARCHITECTURAL FOR LOCATIONS

ARTICULATION JOINTS ARE TO BE SPACED AT NO MORE THAN 5M APART IN WALLS WITH OPENINGS GREATER THAN 900 X 900MM & TO BE LOCATED WITHIN 4.5M FROM ALL CORNERS WHERE THERE ARE WALLS WITH OPENINGS LESS THAN 900 X 900MM, SPACING MAY BE INCREASED TO 6M.

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JOB TITLE
PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON

DRAWING TITLE
FIRST FLOOR FRAMING PLAN

DRAWN	CHECKED	SCALE	DATE	DRG No.	ISSUE
IW	KL	1:100	JUN 2024	KNK23299-S6/11	00

EXTERNAL LINTEL TABLE

FOR TIMBER LINTELS REFER TO MEMBER SCHEDULE
BUILDER TO CHECK MEMBER SCHEDULE PRIOR TO USING THIS TABLE
EXTERNAL LINTELS TO BE HOT DIPPED GALVANIZED
(ALWAYS PLACE LONG LEG VERTICAL (LLV) FOR UNEQUAL ANGLES
UNLESS NOTED OTHERWISE)

UP TO 1000mm BRICKWORK OVER LINTEL

SPAN	LINTEL	END BEARING
1500	90x90x6.0EA	110 END BEARING
1800	100x100x6.0EA	110 END BEARING
2100	100x100x6.0EA	110 END BEARING
2400	150x90x8.0UA	150 END BEARING
2700	150x90x8.0UA	150 END BEARING

UP TO 2000mm BRICKWORK OVER LINTEL

SPAN	LINTEL	END BEARING
1500	90x90x6.0EA	110 END BEARING
1800	100x100x6.0EA	110 END BEARING
2100	150x90x8.0UA	150 END BEARING
2400	150x90x8.0UA	150 END BEARING
2700	150x90x10.0UA	150 END BEARING

UP TO 3000mm BRICKWORK OVER LINTEL

SPAN	LINTEL	END BEARING
1500	100x100x6.0EA	110 END BEARING
1800	150x90x8.0UA	150 END BEARING
2100	150x90x8.0UA	150 END BEARING
2400	150x90x8.0UA	150 END BEARING

UP TO 1000mm BRICKWORK OVER LINTEL

SPAN	LINTEL	END BEARING
2900	150x90x8.0UA	150 END BEARING
3100	150x90x10.0UA	150 END BEARING
3400	150x100x10.0UA	150 END BEARING

UP TO 4000mm BRICKWORK OVER LINTEL

SPAN	LINTEL	END BEARING
900	90x90x6.0EA	110 END BEARING
1200	100x100x8.0EA	110 END BEARING
1500	150x90x8.0UA	150 END BEARING
1800	150x90x8.0UA	150 END BEARING
2100	150x90x10.0UA	150 END BEARING
2400	150x100x12.0UA	150 END BEARING

MEMBER SCHEDULE

MARK	DESCRIPTION	MAX. CLEAR SPAN
B1	200PFC	4200
B2	250PFC or 250UB31	4400
B3	2 No 240 x 45 MGP10 or 2 No 190 x 45 (F17) KDHW	1900
B4	250PFC 4600mm Min Back Span - 1450mm Max Cantilever	
B5	2 No 290 x 45 MGP10 or 2 No 240 x 45 (F17) KDHW	3300
B6	2 No 290 x 45 (F17) KDHW	3600
B7	2 No 240 x 45 MGP10 or 2 No 190 x 45 (F17) KDHW	3300
B8	2 No 240 x 45 MGP10 or 2 No 190 x 45 (F17) KDHW	1900
B9	2 No 290 x 45 MGP10 or 2 No 240 x 45 (F17) KDHW	2300
B10	200PFC or 2 No 360 x 45 - LVL 17	4900
B11	2 No 290 x 45 MGP10 or 2 No 240 x 45 (F17) KDHW	1800
B12	290 x 45 MGP10 or 240 x 45 (F17) KDHW	4000
B13	250PFC	6400
B14	200PFC, CRANKED @ RIDGE	4000
B15	190 x 45 MGP10 or 140 x 45 (F17) KDHW	2500
B16	190 x 45 MGP10	1200
L1	200PFC	4000
L2	200 x 10 PL horiz + 250 x 12 PL vert or 250PFC + 125x125x8L JL	4800
L3	200PFC + 125x125x8L JL	3800
L4	2 No 240 x 45 MGP10 or 240 x 45 (F17) KDHW	1800
L5	240 x 45 MGP10 or 190 x 45 (F17) KDHW	1500

FLOOR JOIST (FJ1) SCHEDULE (MGP10) (FJ1 TO SUPPORT FLOOR LOAD ONLY)

FLOOR JOISTS @ 450 CTS MAX.

140x45 (MGP10) -MAX. SPAN=2500mm
190x45 (MGP10) -MAX. SPAN=3500mm
240x45 (MGP10) -MAX. SPAN=4600mm
290x45 (MGP10) -MAX. SPAN=5200mm

FLOOR JOIST (FJ1) SCHEDULE (F17) (FJ1 TO SUPPORT FLOOR LOAD ONLY)

FLOOR JOISTS @ 450 CTS MAX.

140x45 (F17) KDHW -MAX. SPAN=2800mm
190x45 (F17) KDHW -MAX. SPAN=4000mm
240x45 (F17) KDHW -MAX. SPAN=5000mm
290x45 (F17) KDHW -MAX. SPAN=5800mm

ROOF RAFTER (R1) SCHEDULE (TILE ROOF) ROOF RAFTERS @ 900 CTS MAX.

90x45 (MGP10) -MAX. SPAN=1600mm
120x45 (MGP10) OR 90x45 (F17) KDHW -MAX. SPAN=1800mm
140x45 (MGP10) OR 120x45 (F17) KDHW -MAX. SPAN=2400mm
190x45 (MGP10) OR 140x45 (F17) KDHW -MAX. SPAN=2800mm
240x45 (MGP10) OR 190x45 (F17) KDHW -MAX. SPAN=3800mm
290x45 (MGP10) OR 240x45 (F17) KDHW -MAX. SPAN=4700mm

ROOF RAFTER (R1) SCHEDULE (SHEET ROOF) ROOF RAFTERS @ 900 CTS MAX.

90x45 (MGP10) -MAX. SPAN=2100mm
120x45 (MGP10) OR 90x45 (F17) KDHW -MAX. SPAN=2300mm
140x45 (MGP10) OR 120x45 (F17) KDHW -MAX. SPAN=3100mm
190x45 (MGP10) OR 140x45 (F17) KDHW -MAX. SPAN=3600mm
240x45 (MGP10) OR 190x45 (F17) KDHW -MAX. SPAN=4700mm
290x45 (MGP10) OR 240x45 (F17) KDHW -MAX. SPAN=5900mm

ALL EXTERNAL TIMBER TO BE
TREATED AGAINST WEATHER
EXPOSURE

ALL EXTERNAL STEELWORKS &
ALL STEELWORKS WITHIN 1km
OF THE COAST
TO BE HOT DIPPED GALVANISED

MEMBER SCHEDULE

MARK	DESCRIPTION
FJ1	FLOOR JOIST - REFER TO SCHEDULE OR EQUIV. POSI STRUT AS PER MANUF. SPECS.
FB	200 x 63 LVL17
R1	ROOF RAFTER - REFER TO SCHEDULE OR EQUIV. ROOF TRUSSES AS PER MANUF. SPECS.
R2	ROOF RAFTER - 300 x 45 LVL 17 @ 900 CTS MAX. PROVIDE BLOCKING @ 1/3 POINTS MAX. CLEAR SPAN = 6400mm, SUPPORT ROOF LOAD ONLY OR EQUIV. ROOF TRUSSES AS PER MANUF. SPECS.
DS	2/90 x 45 (MGP10), DOUBLE STUDS
TS	3/90 x 45 (MGP10), TRIPLE STUDS
P3	3/90 x 45 (F17) KDHW, TRIPLE STUDS
C1	89x89x5.0 SHS, STEEL POST
WP1	90 x 45 (F17) KDHW, MAXIMUM CLEAR SPAN 960mm
OTR	OUTRIGGER, 200 PFC, F.S.B.W. TO B14

NOTE:-
ALL (F17) KDHW CAN BE REPLACED BY EQUIVALENT LVL17
(FOR INTERNAL BEAM / LINTEL ONLY)

ADOPT DOUBLE LINTELS
WHEREVER TO SUPPORT
GIRDER TRUSS

LINTEL SCHEDULE (SHEET ROOF)

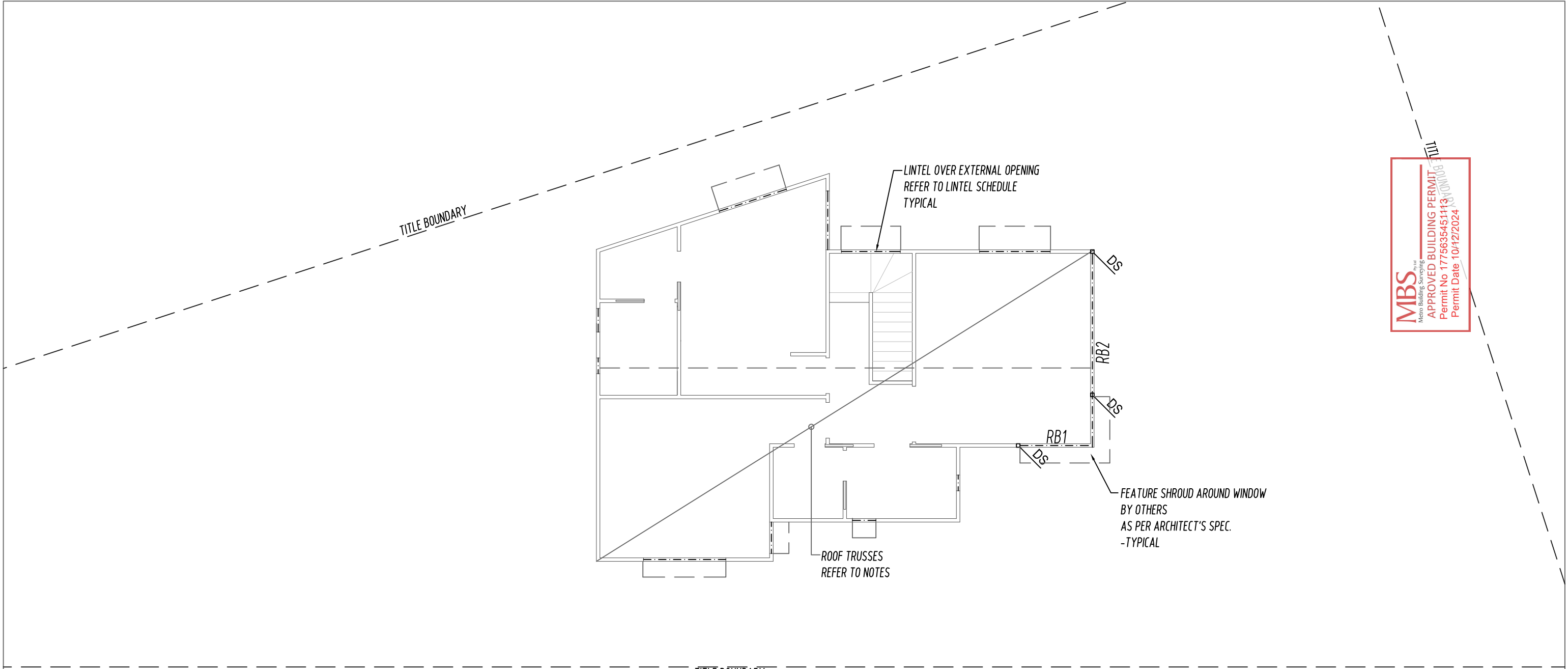
290x45 (MGP10) OR 240x45 (F17) KDHW
FOR OPENING ≤ 2700mm
240x45 (MGP10) OR 190x45 (F17) KDHW
FOR OPENING ≤ 2400mm
190x45 (MGP10) OR 140x45 (F17) KDHW
FOR OPENING ≤ 1800mm
140x45 (MGP10) OR 120x45 (F17) KDHW
FOR OPENING ≤ 1200mm
120x45 (MGP10) OR 90x45 (F17) KDHW
FOR OPENING ≤ 900mm

LINTEL SCHEDULE (TILE ROOF)

290x45 (F17) KDHW
FOR OPENING ≤ 2700mm
290x45 (MGP10) OR 240x45 (F17) KDHW
FOR OPENING ≤ 2400mm
240x45 (MGP10) OR 190x45 (F17) KDHW
FOR OPENING ≤ 1800mm
190x45 (MGP10) OR 140x45 (F17) KDHW
FOR OPENING ≤ 1200mm
140x45 (MGP10) OR 120x45 (F17) KDHW
FOR OPENING ≤ 900mm

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Metro Building Surveying
APPROVED BUILDING PERMIT
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Permit Date 10/12/2024

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JOB TITLE PROPOSED EXTENSION 3 AUSTIN ROAD, HAMPTON		
DRAWING TITLE FIRST FLOOR FRAMING SCHEDULE		
DRAWN IW	CHECKED KL	SCALE -
DATE JUN 2024	DRG No. KNK23299-S7/11	ISSUE 00



TITLE BOUNDARY

ROOF FRAMING PLAN

WALL BRACING AS PER 'AS1684' - TIMBER FRAMING CODE SPECS.
 NOTE: PROVIDE DOUBLE STUDS (DS) UNDER EACH END OF ALL TIMBER LINTELS, BEAMS ETC. UNLESS NOTED OTHERWISE

ADOPT DOUBLE LINTELS WHEREVER TO SUPPORT GIRDER TRUSS

LINTEL SCHEDULE (SHEET ROOF)

290x45 (MGP10) OR 240x45 (F17) KDHW FOR OPENING ≤ 2700mm
240x45 (MGP10) OR 190x45 (F17) KDHW FOR OPENING ≤ 2400mm
190x45 (MGP10) OR 140x45 (F17) KDHW FOR OPENING ≤ 1800mm
140x45 (MGP10) OR 120x45 (F17) KDHW FOR OPENING ≤ 1200mm
120x45 (MGP10) OR 90x45 (F17) KDHW FOR OPENING ≤ 900mm

ROOF TRUSSES TO MANUFACTURER'S DESIGN & SPECIFICATIONS.
 IT IS THE BUILDER & TRUSS MANUFACTURERS RESPONSIBILITY THAT ALL GIRDER & MAIN ROOF TRUSSES ARE SUPPORTED ON ADEQUATE SUPPORTS. IF GIRDER & MAIN TRUSSES FALL ON LINTELS OR BEAMS THIS OFFICE TO BE NOTIFIED IMMEDIATELY.
 NO RESPONSIBILITY WILL BE TAKEN IF THIS IS NOT DONE.
 TRUSS MANUFACTURER TO ALLOW FOR SKYLIGHTS. REFER TO ARCHITECTURAL FOR LOCATIONS

NOTE:- ALL (F17) KDHW CAN BE REPLACED BY EQUIVALENT LVL17 (FOR INTERNAL BEAM / LINTEL ONLY)

MEMBER SCHEDULE		
MARK	DESCRIPTION	MAX. CLEAR SPAN
RB1	190 x 45 MGP10 or 190 x 45 (F17) KDHW	1800
RB2	2 No 290 x 45 MGP10 or 290 x 45 (F17) KDHW 3600mm Min Back Span - 1300mm Max Cantilever	
DS	2/90 x 45 (MGP10), DOUBLE STUDS	

ALL EXTERNAL TIMBER TO BE TREATED AGAINST WEATHER EXPOSURE

NOTE:- FOR STUDS OVER 3600 HIGH USE 90 x 45 F17 KDHW

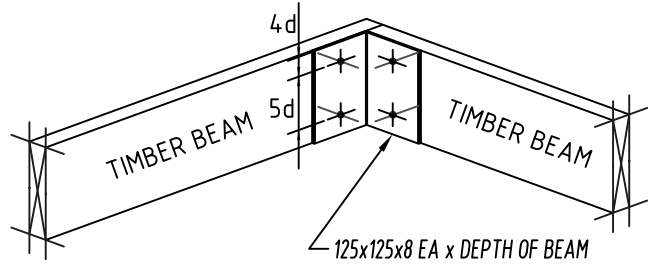
ALL TIMBER FRAMING, BRACING & TIE DOWNS TO BE IN ACCORD WITH AS1684 'LIGHT TIMBER FRAMING CODE'

ALL EXTERNAL STEELWORKS & ALL STEELWORKS WITHIN 1km OF THE COAST TO BE HOT DIPPED GALVANISED

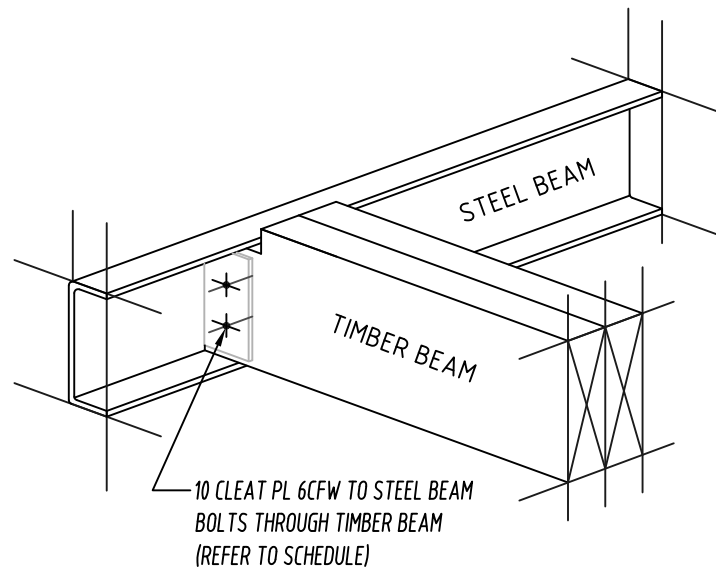
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JOB TITLE PROPOSED EXTENSION 3 AUSTIN ROAD, HAMPTON		
DRAWING TITLE ROOF FRAMING PLAN		
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TIMBER BEAM BOLT SCHEDULE

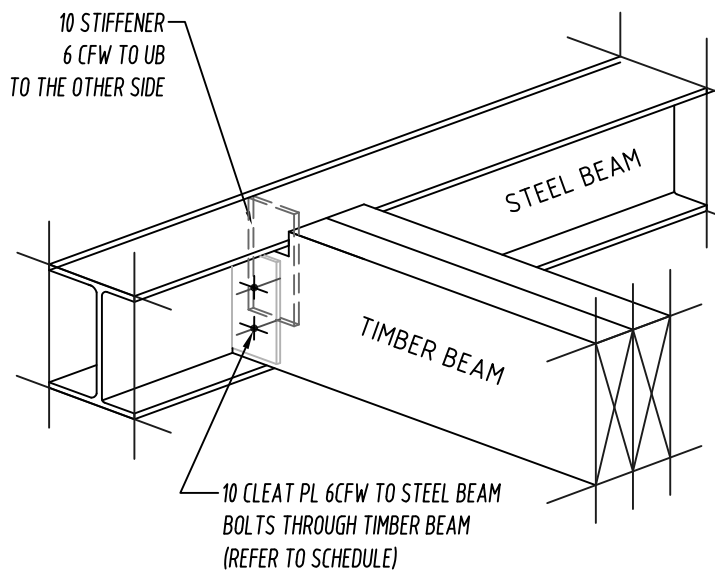
BEAM DEPTH	BOLT SIZE	4D	5D
360	16	64	80
290	16	64	80
240	16	64	80
190	16	64	80
140	12	48	60



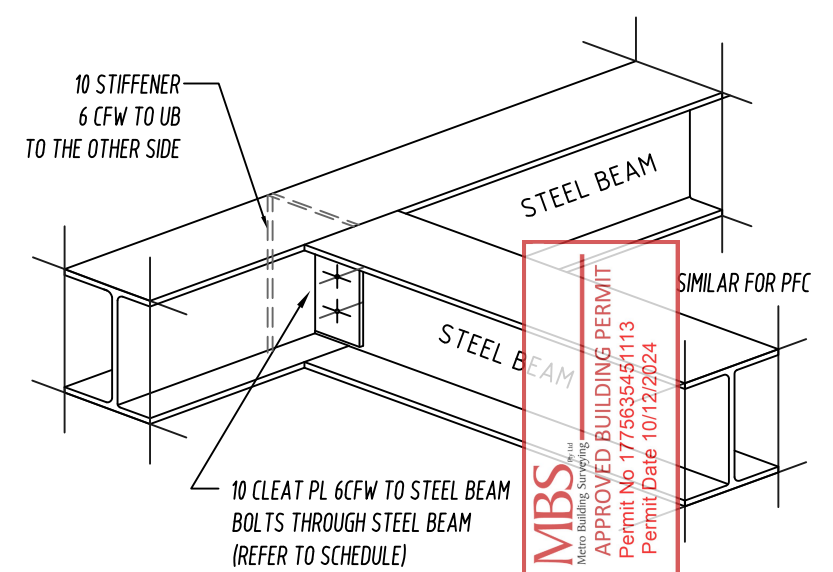
PERSPECTIVE TIMBER BEAM TO
TIMBER BEAM CONNECTION DETAIL



PERSPECTIVE TIMBER BEAM TO
STEEL BEAM CONNECTION DETAIL

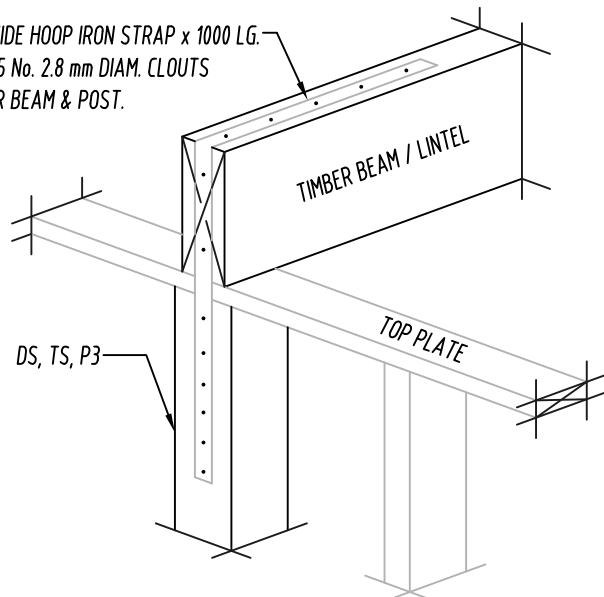


PERSPECTIVE STEEL BEAM TO
STEEL BEAM CONNECTION DETAIL



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1.2 x 30 WIDE HOOP IRON STRAP x 1000 LG.
PROVIDE 5 No. 2.8 mm DIAM. CLOUTS
TO TIMBER BEAM & POST.



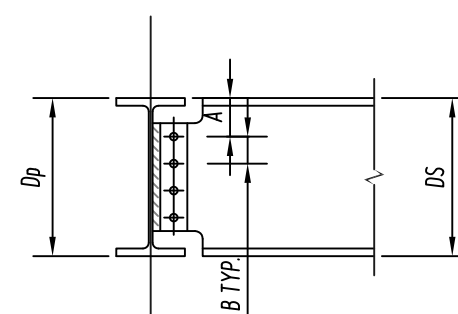
PERSPECTIVE TIMBER BEAM TO
TIMBER POST CONNECTION DETAIL

BEAM SIZE	SIDE PLATE	WELD (E48xx)	BOLTS (8.8/S)
610 UB	90 x 10	6 CFW	7M20
530 UB	90 x 10	6 CFW	6M20
460 UB	90 x 10	6 CFW	5M20
410 UB	90 x 10	6 CFW	4M20
360 UB	90 x 10	6 CFW	3M20
310 UB	90 x 10	6 CFW	3M20
250 UB	90 x 10	6 CFW	2M20
200 UB	90 x 10	6 CFW	2M20
180/150 UB	90 x 10	6 CFW	2M20
380 PFC	90 x 10	6 CFW	4M20
300 PFC	90 x 10	6 CFW	3M20
250 PFC	90 x 10	6 CFW	2M20
230 PFC	90 x 10	6 CFW	2M20
200 PFC	90 x 10	6 CFW	2M20
180/150 PFC	90 x 10	6 CFW	2M20

TYPICAL WEB SIDE PLATE CONNECTIONS

NOTES:

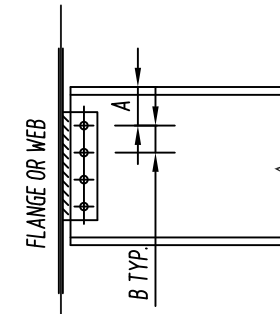
- ALL DETAILS, GAUGE LINES, ETC. WHERE NOT SPECIFICALLY SHOWN SHALL BE IN ACCORDANCE WITH AISC DESIGN CAPACITY TABLES FOR STRUCTURAL STEEL AND AISC STANDARDIZED STRUCTURAL CONNECTIONS.
- UNLESS OTHERWISE NOTED, ALL WELDS TO BE 6mm CONTINUOUS FILLETS, LAID DOWN WITH APPROVED COVERED ELECTRODES. ALL WELDS SHALL BE CATEGORY SP. WELDS SHALL CONFORM TO AS/NZS 1554 AND ELECTRODES TO AS/NZS 1553. WEB SIDE PLATES TO BE 10mm THICK. BOLTS TO BE M20-8.8/S IN 22mm DIAMETER HOLES. PROVIDE A MINIMUM OF TWO BOLTS PER CONNECTION.
- ABOVE DETAILS ARE NOT APPLICABLE IF SUPPORTING BEAM (Dp) IS SHALLOWER THAN BEAM BEING SUPPORTED (Ds)



A = 100 TYPICAL.
75 FOR STEEL SECTION < 250 DEEP
50 FOR STEEL SECTION < 180 DEEP

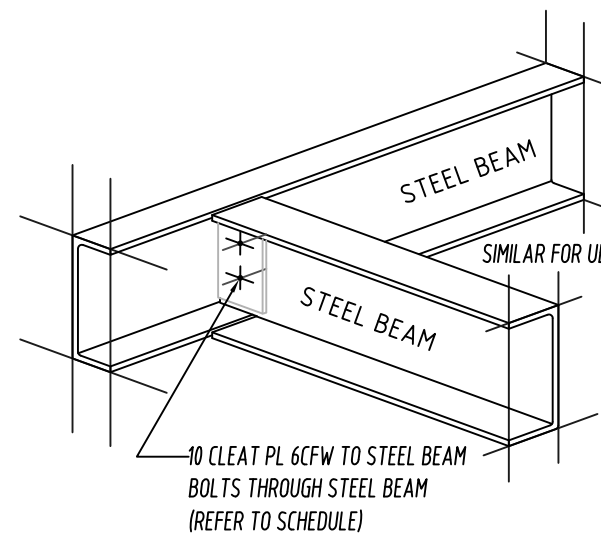
B = 70 FOR M20 BOLTS
90 FOR M24 BOLTS
50 FOR STEEL SECTION < 180 DEEP

SECTION



NOTE:
COPE BEAM FLANGES IF
REQUIRED WHEN CONNECTING
TO COLUMN WEB

SECTION/PLAN VIEW



PERSPECTIVE STEEL BEAM TO
STEEL BEAM CONNECTION DETAIL

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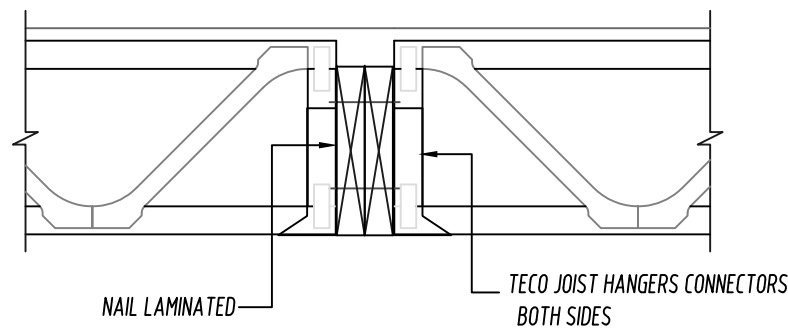
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Consulting Engineers Pty Ltd

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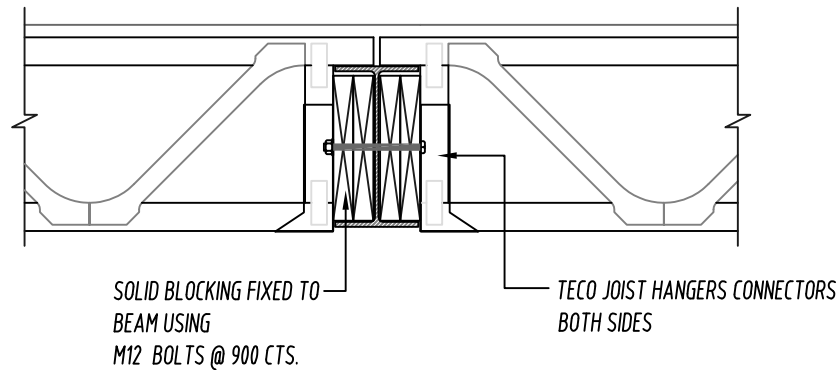
JOB TITLE
PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON

DRAWING TITLE
FRAMING DETAILS (1)

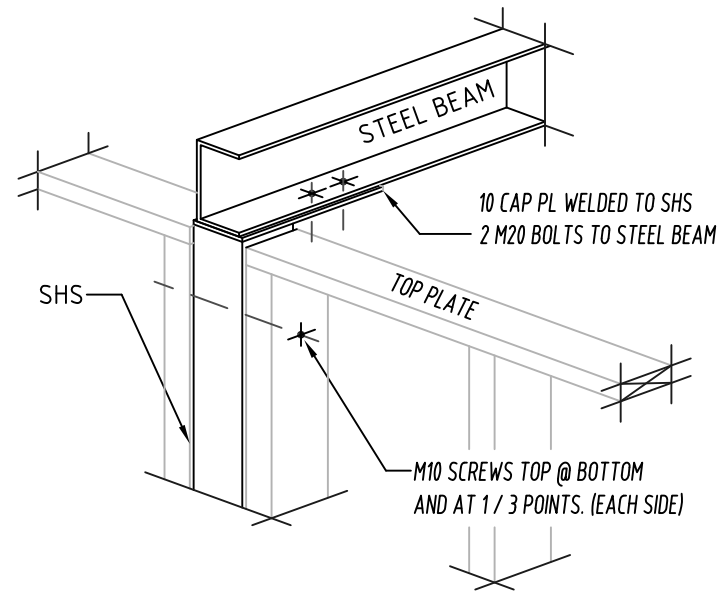
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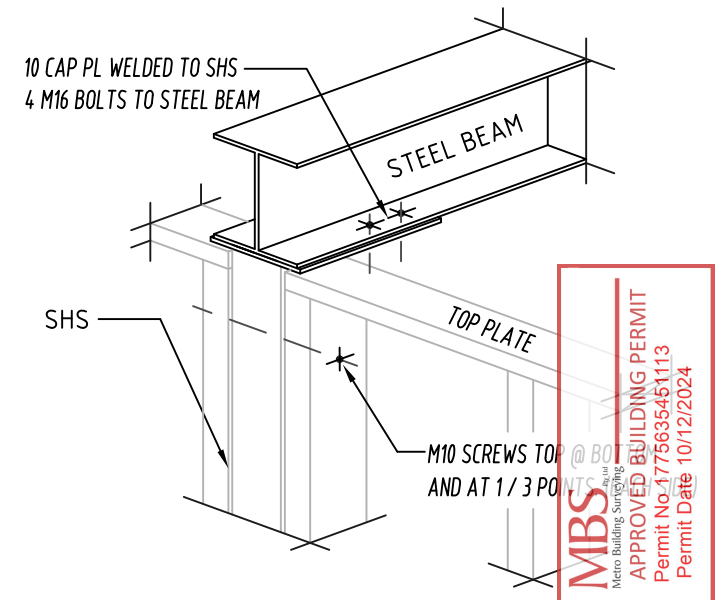
TYPICAL POSISTRUTS TO TIMBER BEAM



TYPICAL POSISTRUTS TO STEEL BEAM

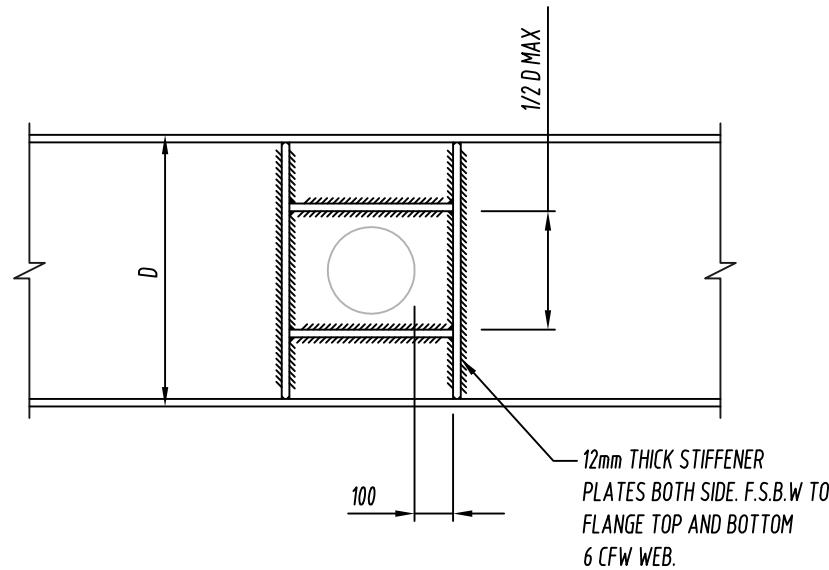


PERSPECTIVE STEEL BEAM TO SHS CONNECTION DETAIL

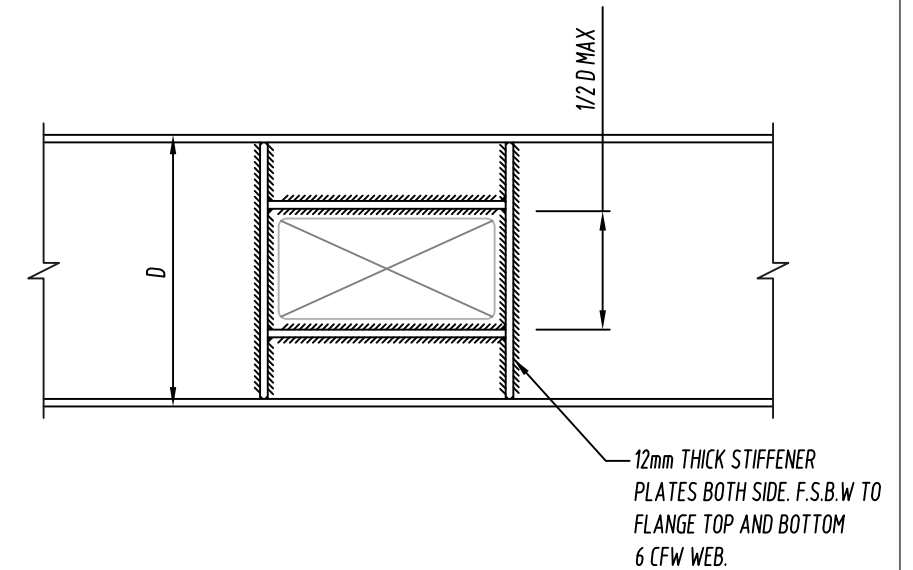


PERSPECTIVE STEEL BEAM TO SHS CONNECTION DETAIL

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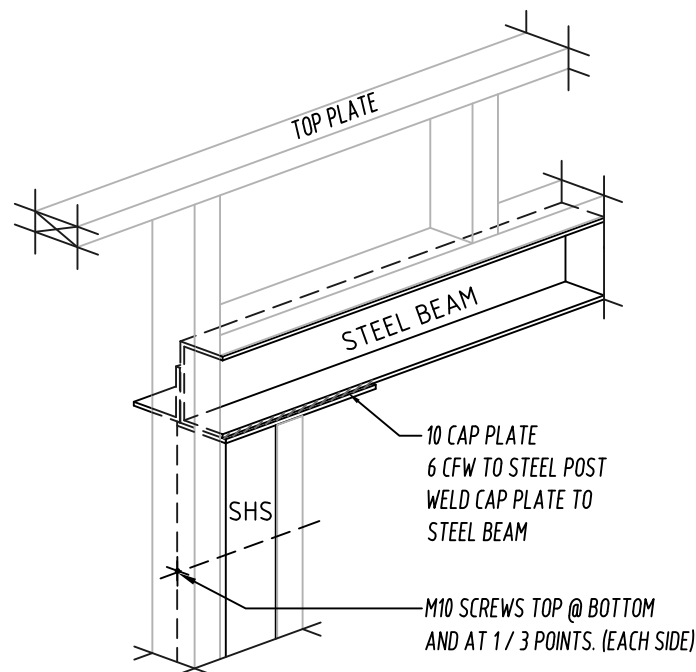
REFER SERVICES DRAWINGS FOR LOCATIONS SERVICE PIPE PENETRATIONS



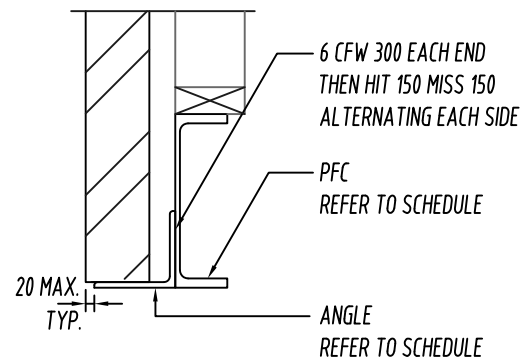
REFER SERVICES DRAWINGS FOR LOCATIONS A/C DUCTS PENETRATION

NOTE
WHERE BEAM SIZE RESTRICTS SPACE BETWEEN UNDERSIDE OF BEAM AND TOP OF SUSPENDED CEILING GRID FRAMEWORK.

TYPICAL STEEL BEAM PENETRATION DETAILS



PERSPECTIVE CHANNEL & ANGLE TO SHS CONNECTION DETAIL



TYP. PFC AND ANGLE DETAIL

00	11/06/24	CONSTRUCTION ISSUE
REVISION	DATE	DESCRIPTION

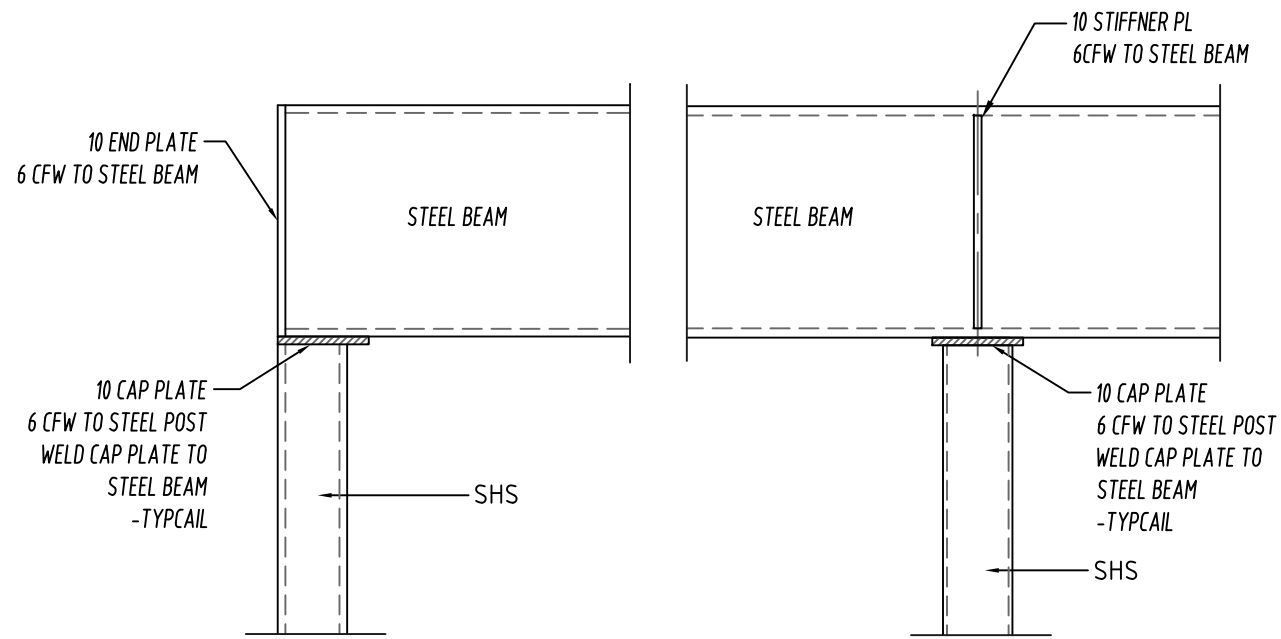


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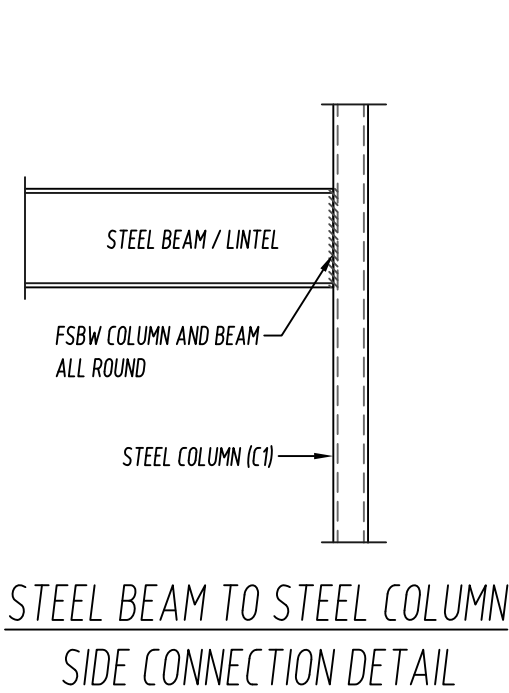
JOB TITLE
PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON

DRAWING TITLE
FRAMING DETAILS (2)

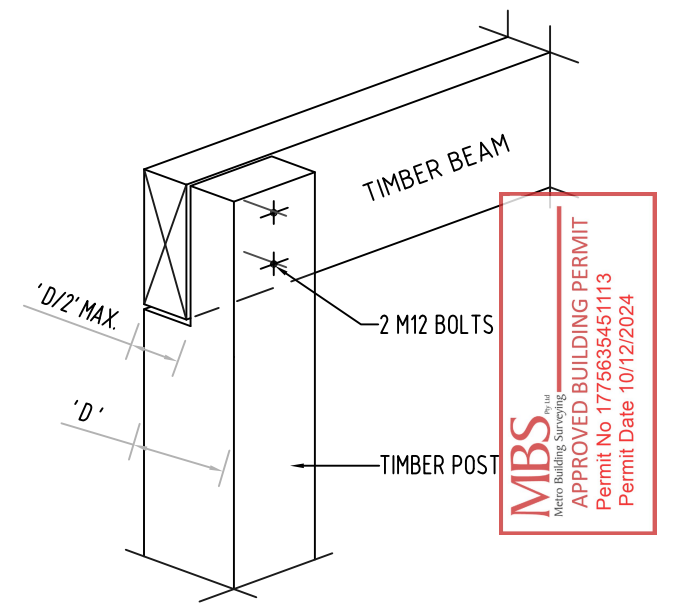
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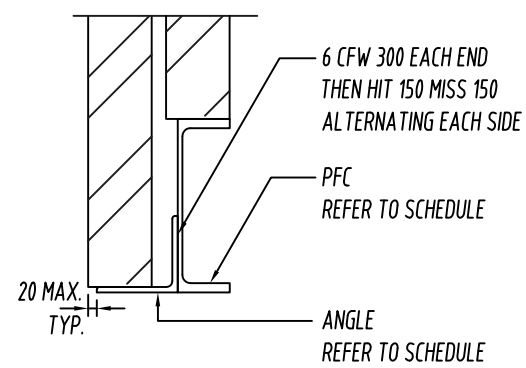
STEEL BEAM OVER SHS CONNECTION DETAIL



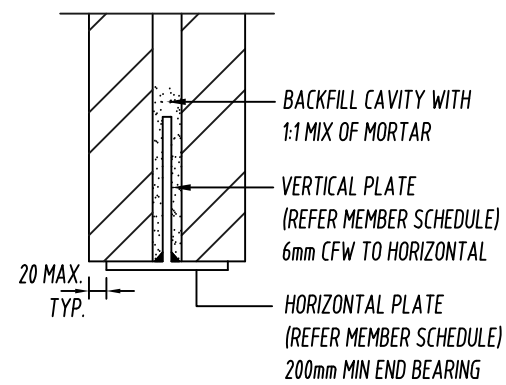
STEEL BEAM TO STEEL COLUMN
SIDE CONNECTION DETAIL



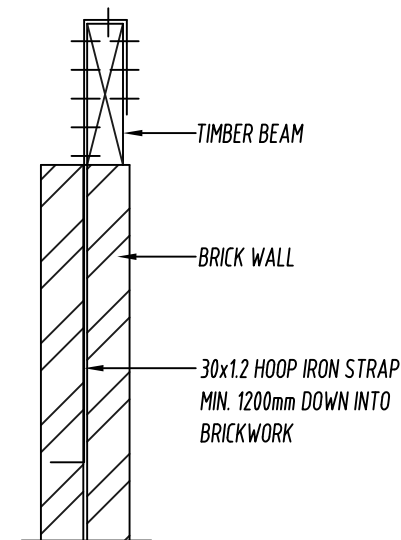
PERSPECTIVE TIMBER BEAM TO
TIMBER POST CONNECTION DETAIL



TYP. PFC AND ANGLE DETAIL



TYPICAL DOUBLE BRICK LINTEL DETAIL



TIMBER BEAM ON
BRICK WALL DETAIL

REVISION	DATE	DESCRIPTION
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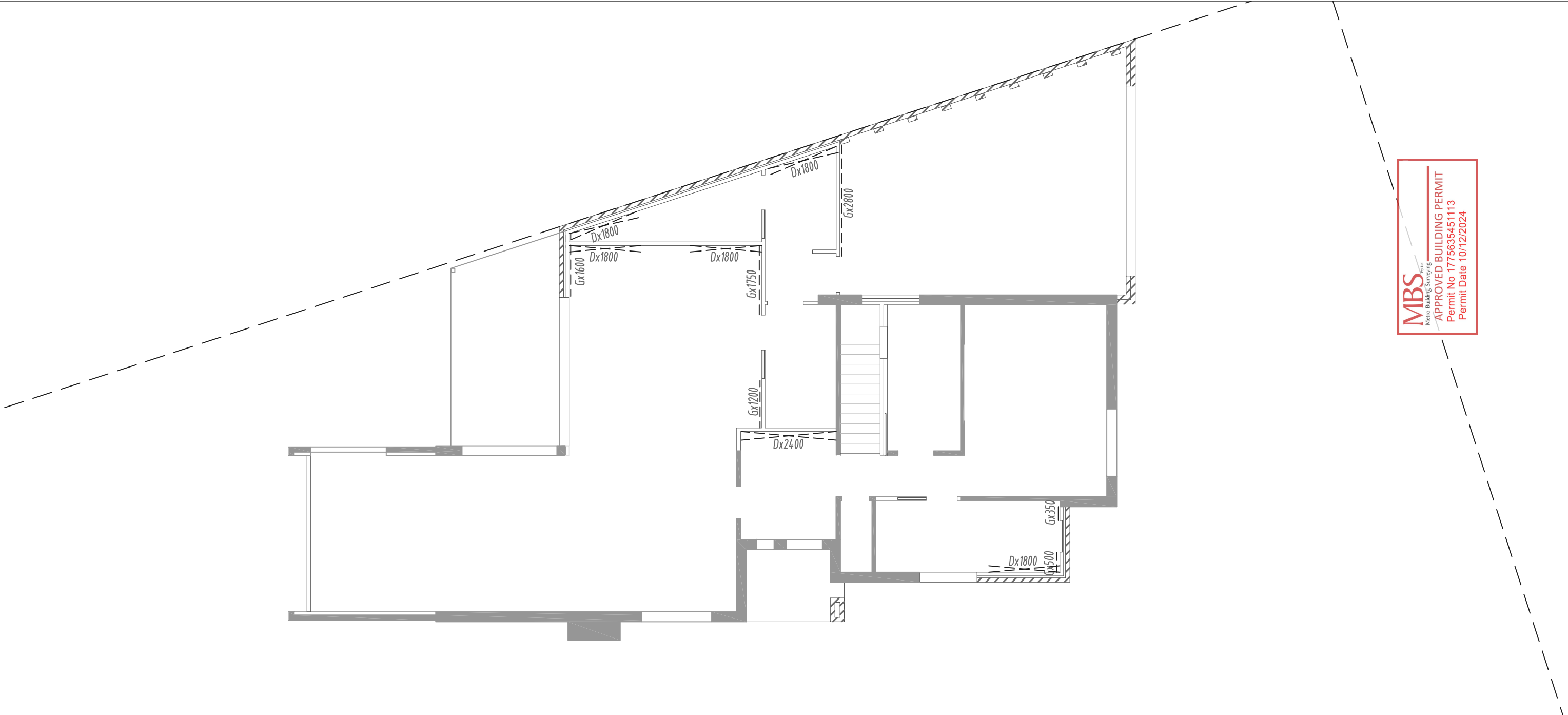


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JOB TITLE
**PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON**

DRAWING TITLE
FRAMING DETAILS (3)

DRAWN	CHECKED	SCALE	DATE	DRG No.	ISSUE
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 Permit No 1775635451113
 Permit Date 10/12/2024

BRACING
 TYPE (G) - 3.4 kN/m BRACING
 PLYWOOD PANEL BRACING
 TIMBER STUDS @ 450 CTS
 2.8mm ϕ CLOUTS NAILED AT:
 50mm CENTRES ALONG TOP & BOTTOM PLATES
 150mm CENTRES ALONG VERTICAL EDGES
 300mm CENTRES ALONG INTERMEDIATE STUDS
 TYPE (D) - 3.0 kN/m BRACING
 DIAGONAL TENSION METAL BRACES
 REFER TO 'TIMBER FRAMING MANUAL' FOR DETAILS
 DENOTED ON PLAN AS: --- G (D) ---

GROUND FLOOR BRACING PLAN

WALL BRACING AS PER 'AS1684' - TIMBER FRAMING CODE SPECS.

WIND CLASSIFICATION: N2

REVISION	DATE	DESCRIPTION
00	11/06/24	CONSTRUCTION ISSUE

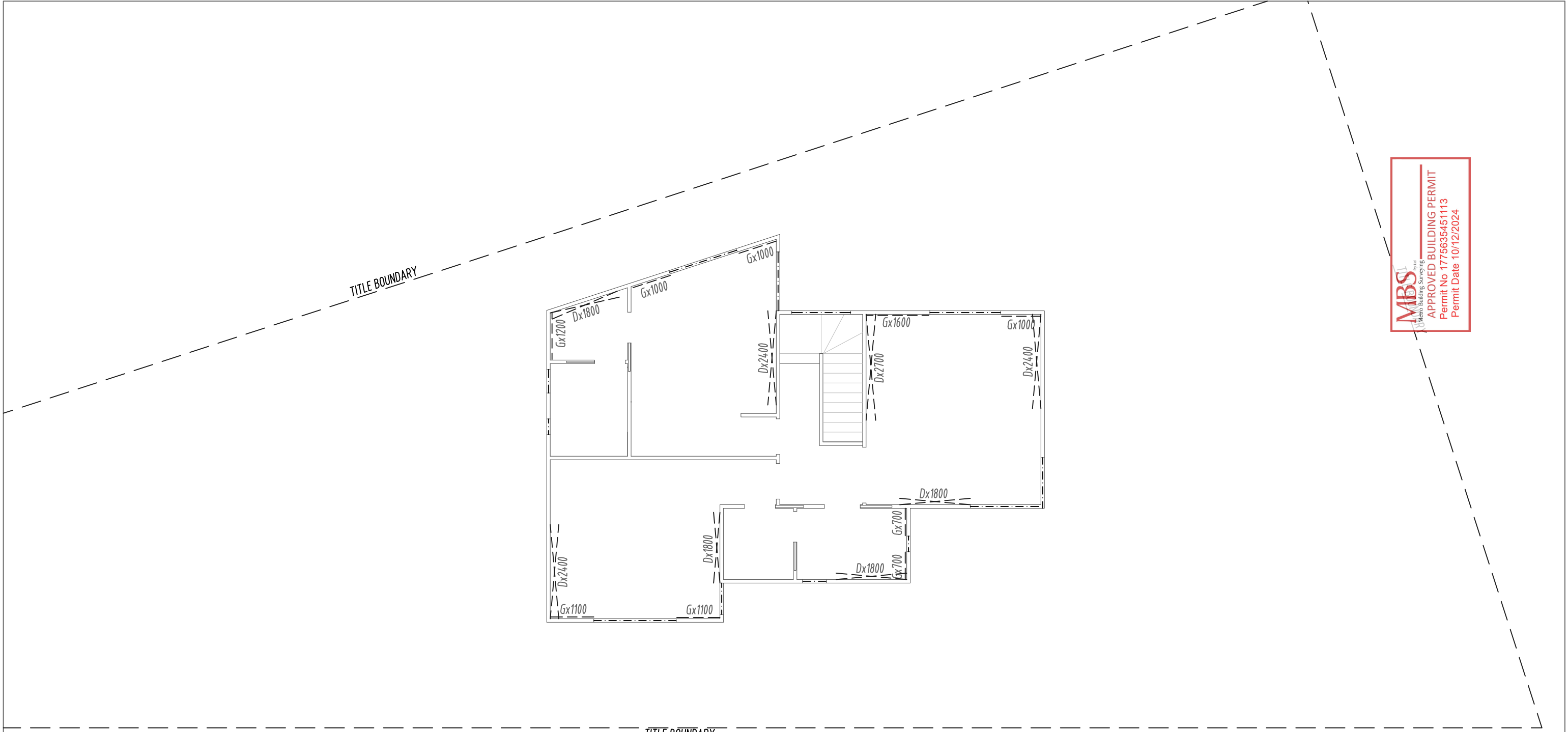


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JOB TITLE
PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON

DRAWING TITLE
GROUND FLOOR BRACING PLAN

DRAWN	CHECKED	SCALE	DATE	DRG No.	ISSUE
IW	KL	1:100	JUN 2024	KNK23299-B1/4	00



MBS
 Metro Building Surveying
 APPROVED BUILDING PERMIT
 Permit No. 1775635451113
 Permit Date 10/12/2024

TITLE BOUNDARY

BRACING
 TYPE (G) - 3.4 kN/m BRACING
 PLYWOOD PANEL BRACING
 TIMBER STUDS @ 450 CTS
 2.8mm ϕ CLOUTS NAILED AT:
 50mm CENTRES ALONG TOP & BOTTOM PLATES
 150mm CENTRES ALONG VERTICAL EDGES
 300mm CENTRES ALONG INTERMEDIATE STUDS
 TYPE (D) - 3.0 kN/m BRACING
 DIAGONAL TENSION METAL BRACES
 REFER TO 'TIMBER FRAMING MANUAL' FOR DETAILS
 DENOTED ON PLAN AS: --- G (D) ---

FIRST FLOOR BRACING PLAN
 WALL BRACING AS PER 'AS1684' - TIMBER FRAMING CODE SPECS.
 WIND CLASSIFICATION: N2

REVISION	DATE	DESCRIPTION
00	11/06/24	CONSTRUCTION ISSUE

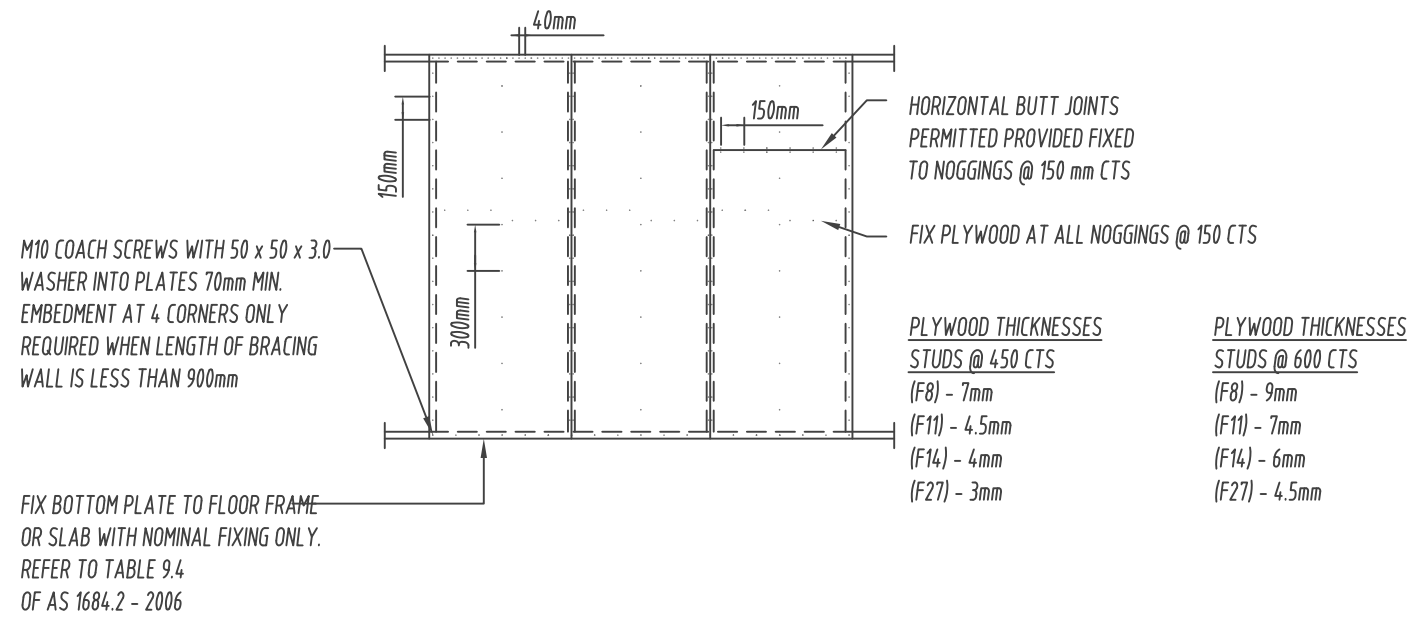


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JOB TITLE
PROPOSED EXTENSION
 3 AUSTIN ROAD, HAMPTON

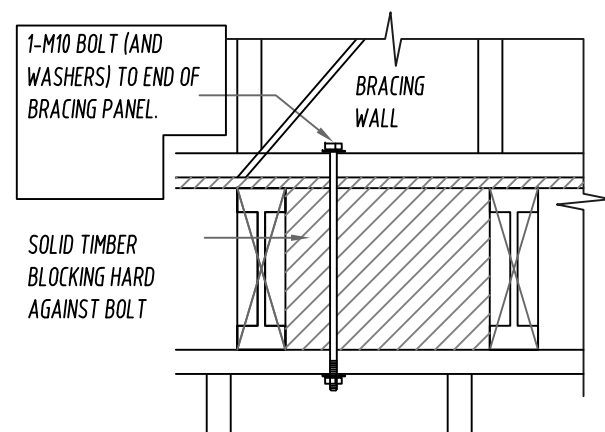
DRAWING TITLE
FIRST FLOOR BRACING PLAN

DRAWN	CHECKED	SCALE	DATE	DRG No.	ISSUE
IW	KL	1:100	JUN 2024	KNK23299-B2/4	00

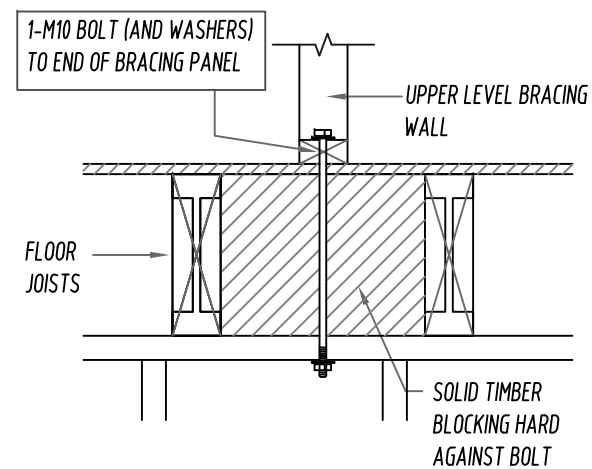


TYPE G BRACING - PLYWOOD

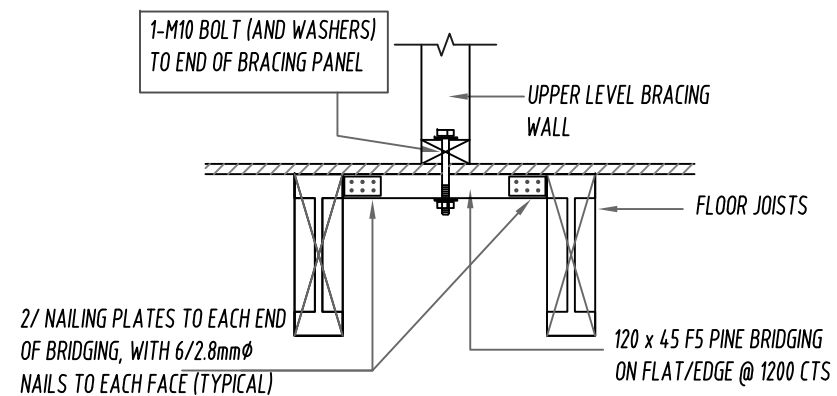
NOGGINGS OMITTED FOR CLARITY
FIX PLYWOOD USING 30mm x ϕ 2.8mm FLAT HEAD NAILS



BRACING WALL AT
RIGHT ANGLES TO JOISTS



BRACING WALL PARALLEL TO JOISTS
(INTERNAL BRACING WALL SHOWN)



BRACING WALL PARALLEL TO JOISTS
(NO STUD WALL UNDER)

END FIXING OF BOTTOM WALL PLATE TO TIMBER FRAME

00	11/06/24	CONSTRUCTION ISSUE
REVISION	DATE	DESCRIPTION

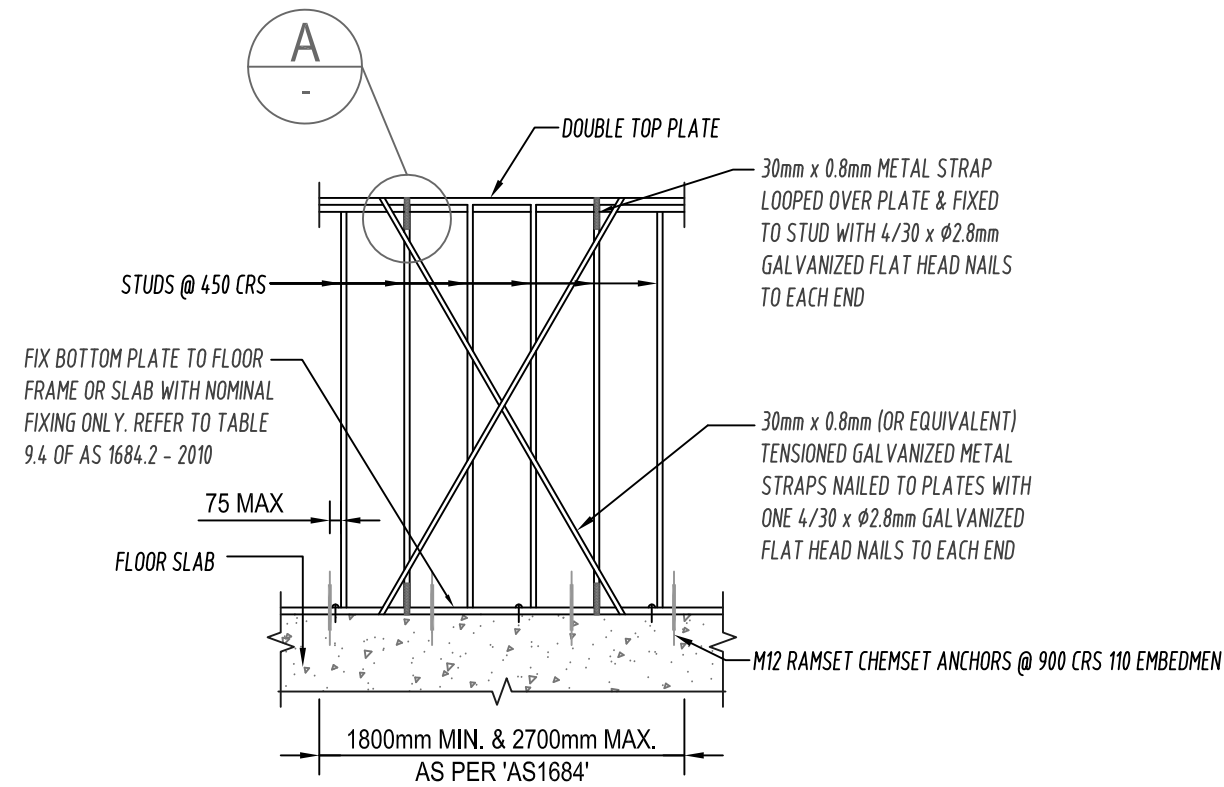


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JOB TITLE
PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON

DRAWING TITLE
BRACING DETAILS (1)

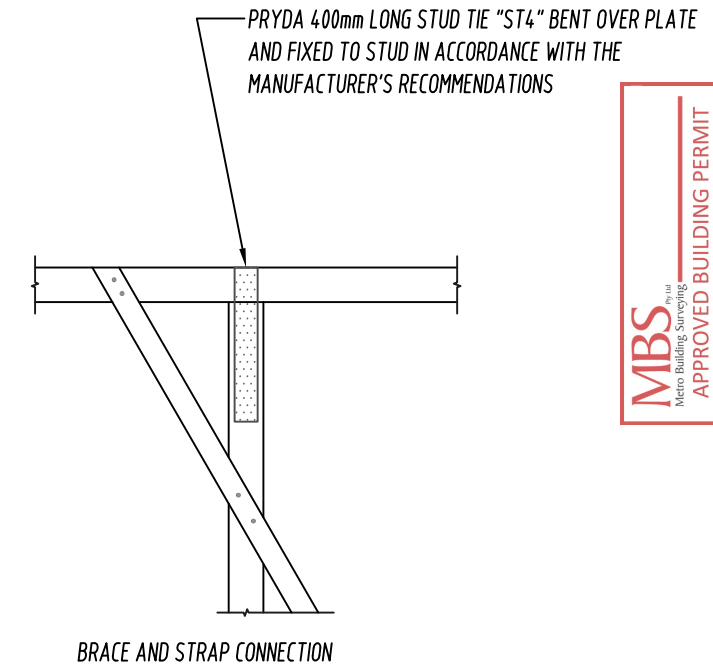
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TYPE D BRACING - TENSIONED METAL STRAP
NOGGINGS OMITTED FOR CLARITY

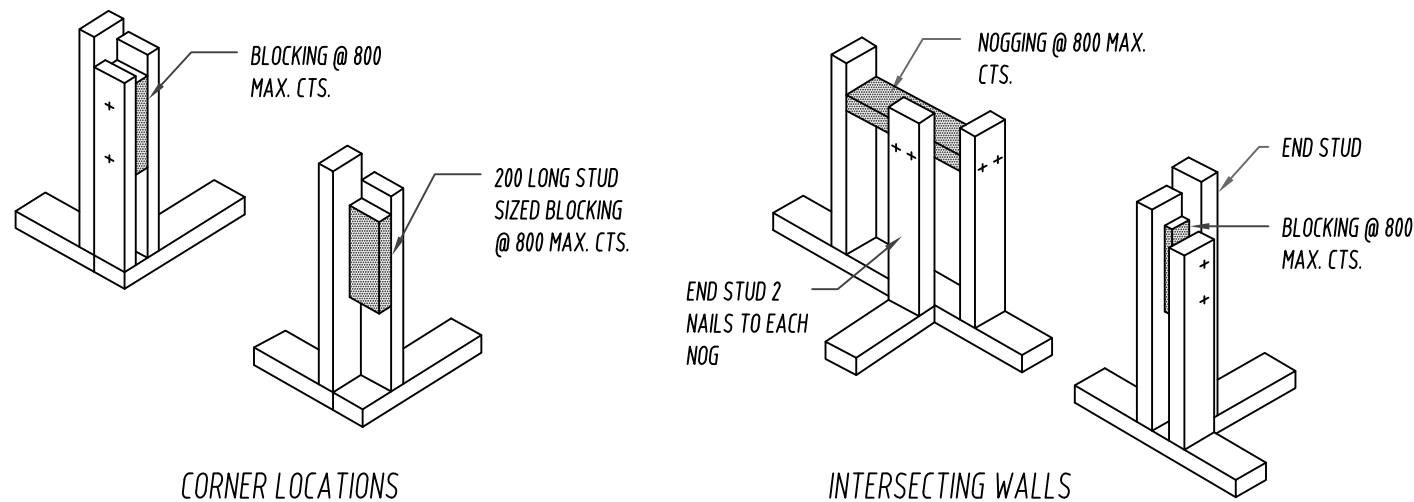
METAL TENSION STRAP BRACING
CORROSION PROTECTED FLAT METAL TENSION STRAPPING FIXED WITH 2 No. 3.15 DIA x 30 LONG GALVANISED REINFORCED HEAD NAILS TO EACH STUD, AND THE FACE OF THE TOP AND BOTTOM PLATE, AND 4 No. 3.15 x 30 LONG REINFORCED HEAD NAILS TO THE STRAP RETURN OVER THE TOP PLATE AND UNDER THE BOTTOM PLATE

NOTE: NOGGINGS NOT SHOWN FOR CLARITY



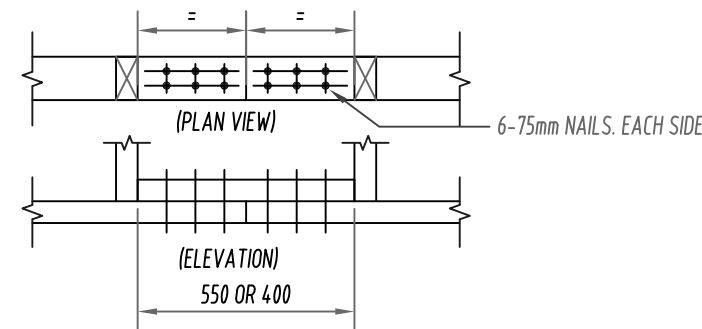
DETAIL A

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2 NAILS THROUGH EACH STUD TO BLOCKING OR NOGGING.

WALL JUNCTION DETAIL
(APPLIES TO ALL BRACING TYPES)



SPLICE PLATE MUST BE OF SAME SIZE AND STRESS GRADE AS TOP AND BOTTOM PLATES.

WHERE TOP AND BOTTOM PLATES IN BRACED SECTIONS ARE NOT CONTINUOUS THEY MUST BE SPLICED AS SHOWN IN DETAIL THIS PAGE.

SPLICE DETAIL FOR TOP & BOTTOM PLATES

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JOB TITLE
PROPOSED EXTENSION
3 AUSTIN ROAD, HAMPTON

DRAWING TITLE
BRACING DETAILS (2)

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