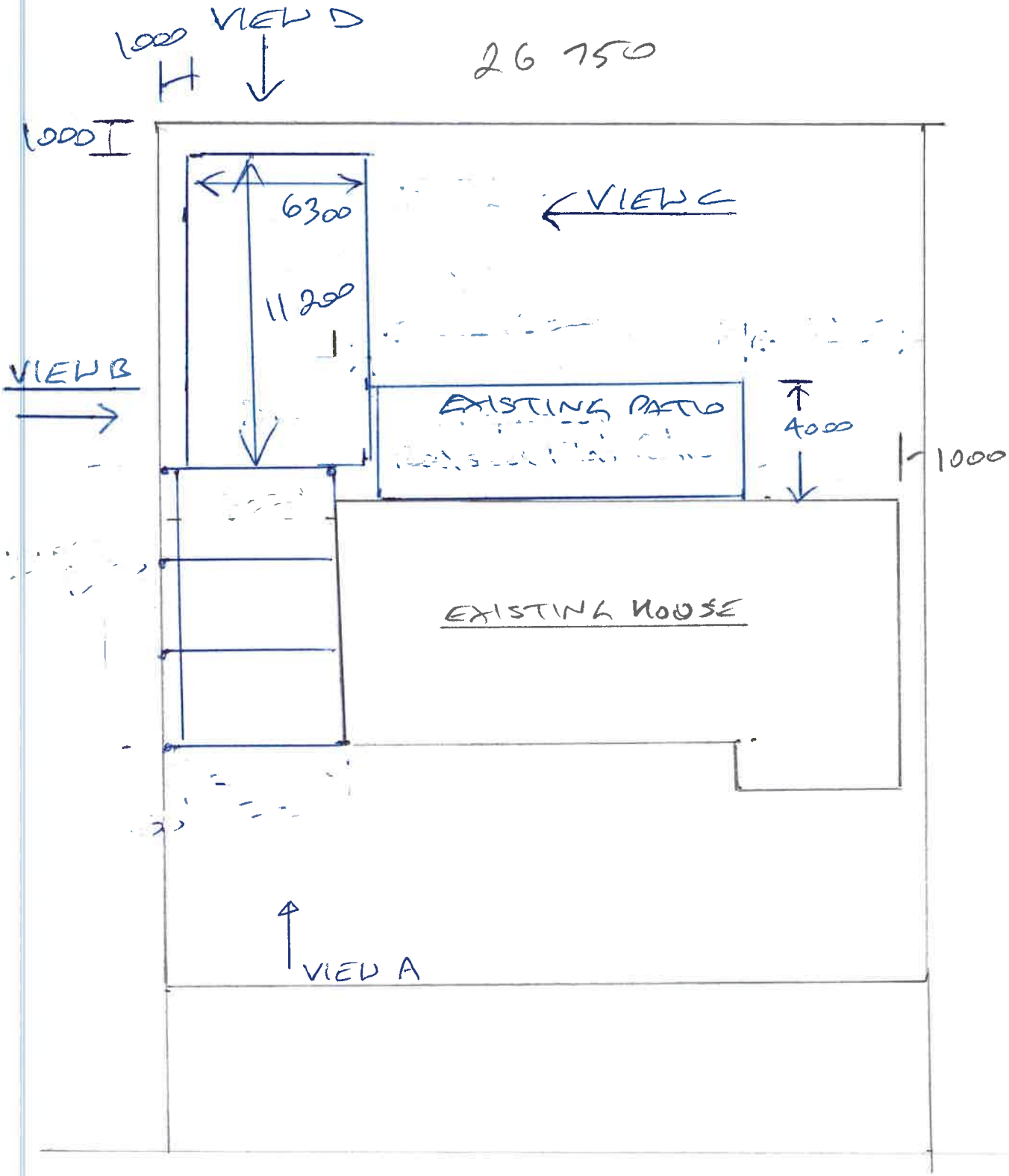
4 Bignell Place, Herne Hill

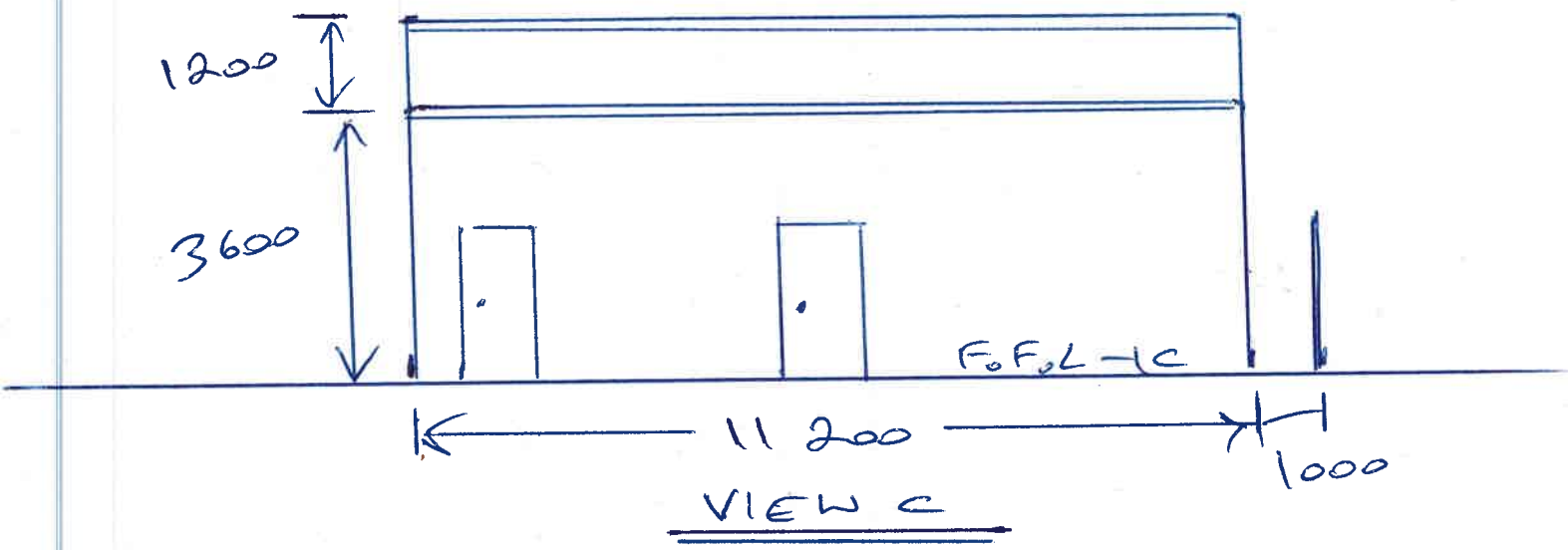
Proposed Shed



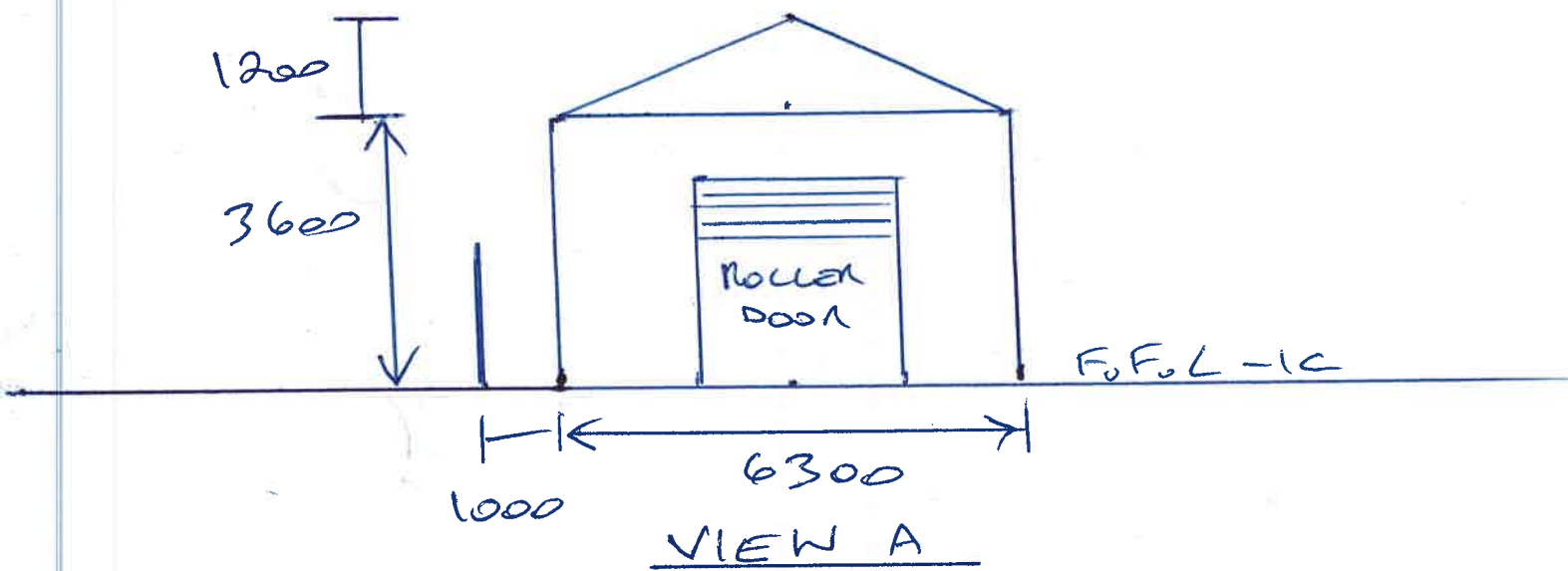
4 BIGNELL PLACE
HERNE HILL

4 BIGNELL PLACE, HERNE HILL

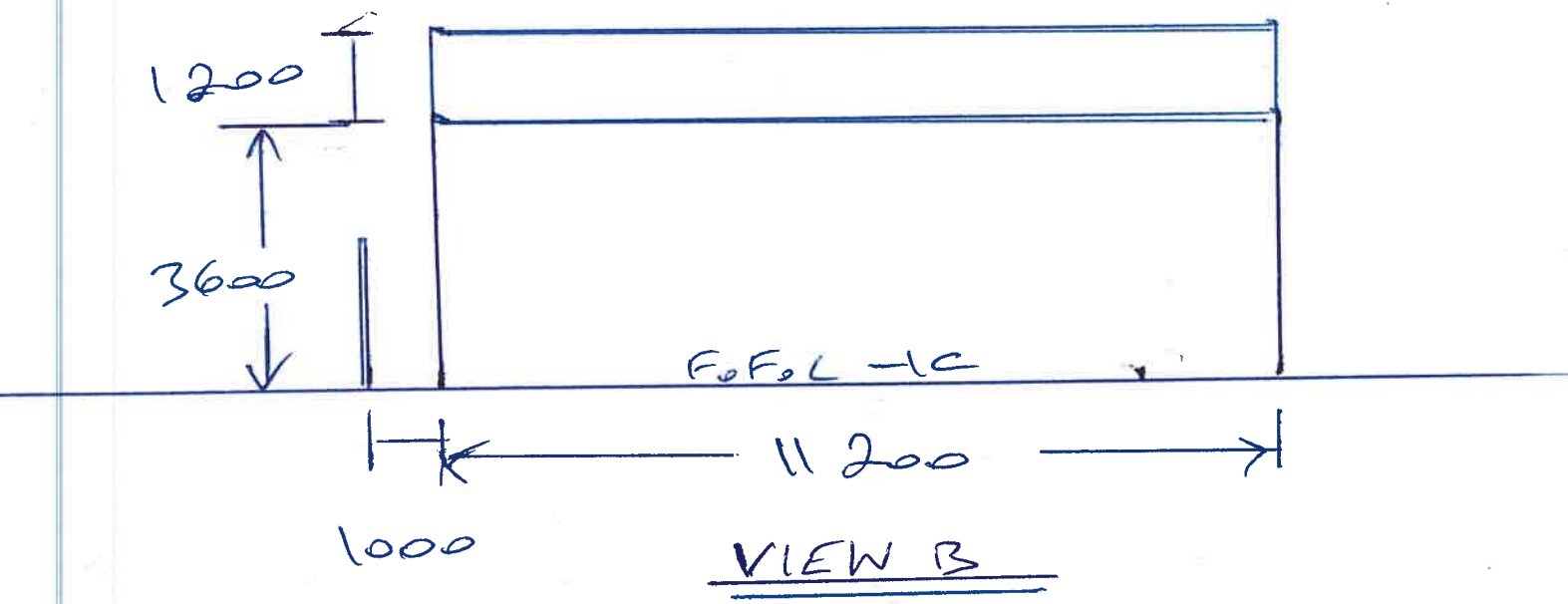
PROPOSED SHED



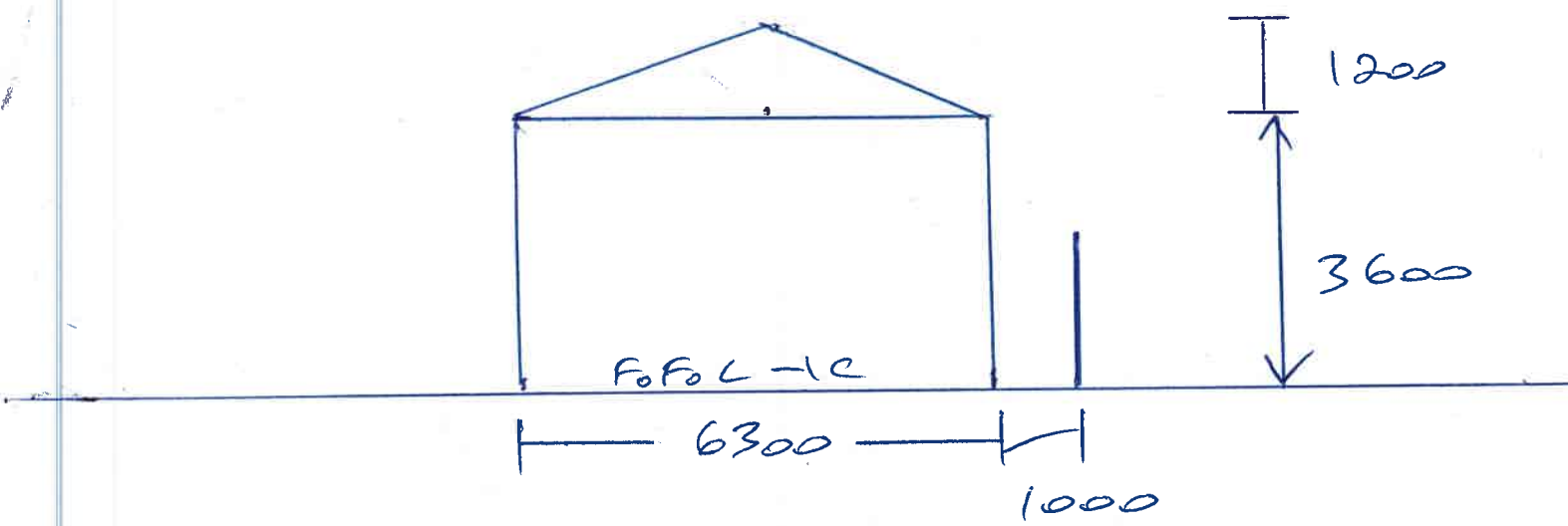
VIEW C



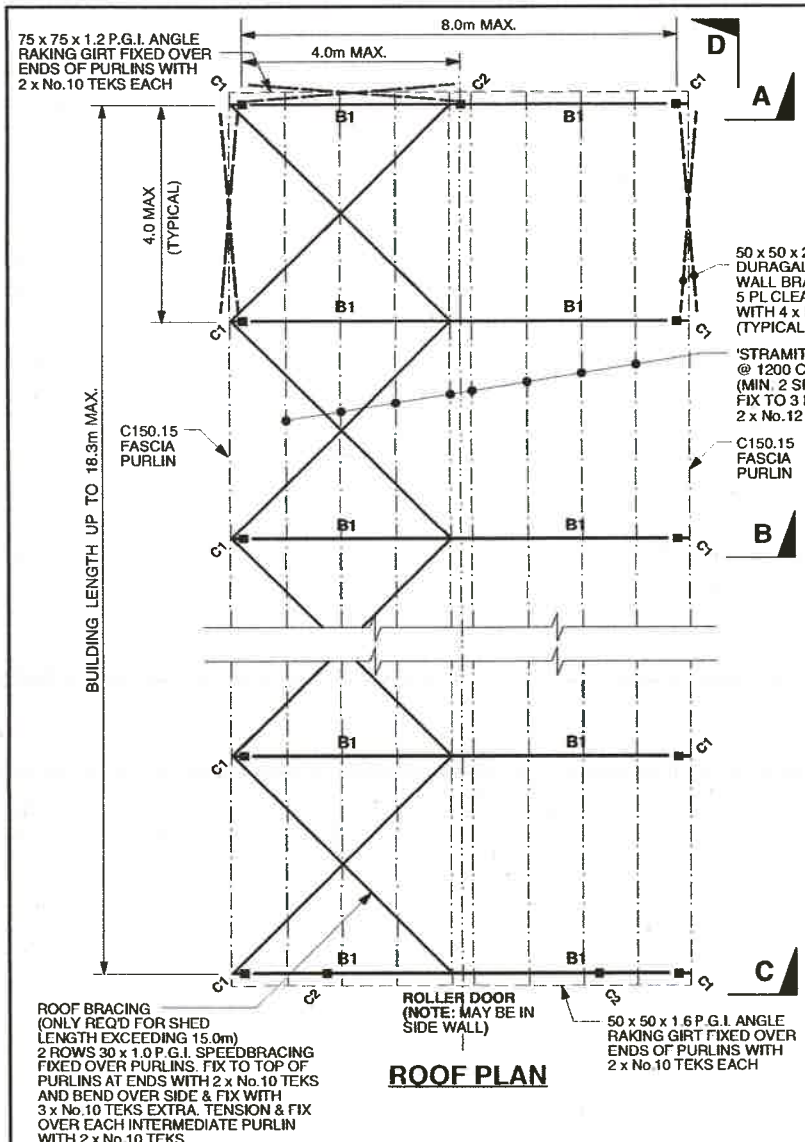
VIEW A



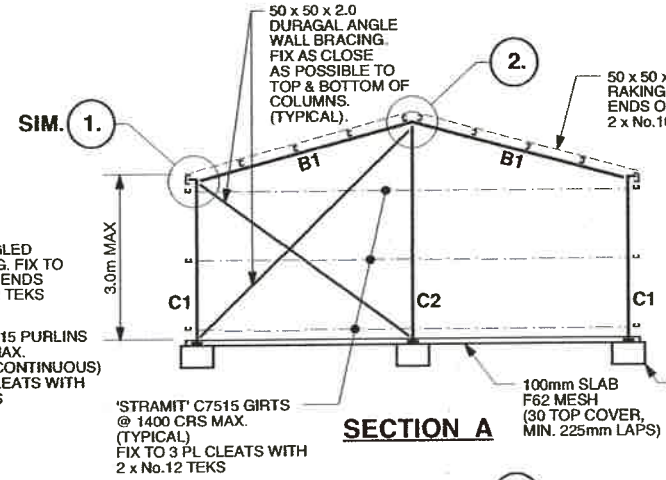
VIEW B



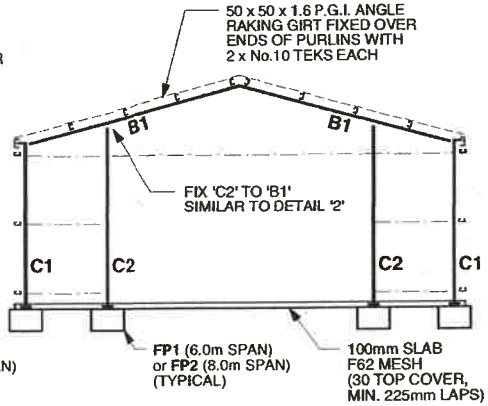
VIEW D



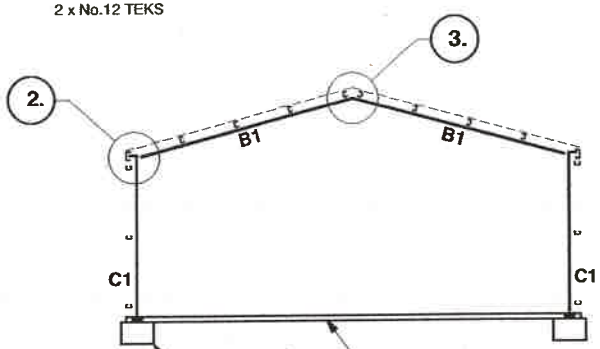
ROOF PLAN



SECTION A

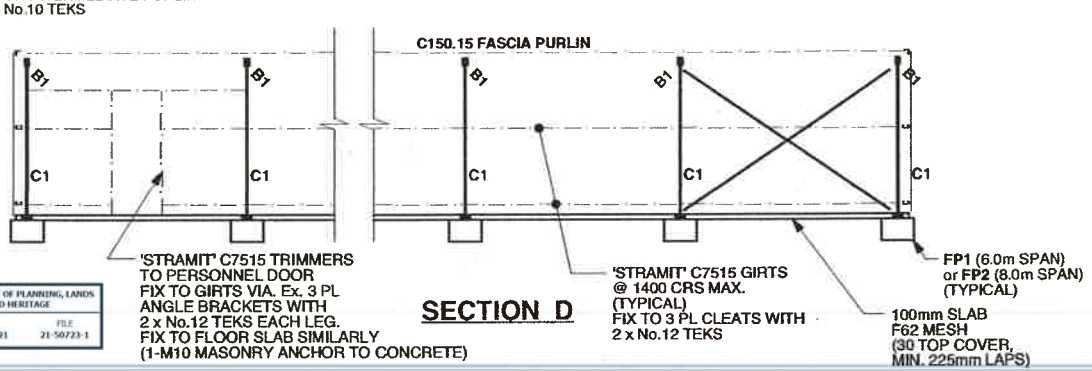


SECTION C



SECTION B

NOTE: READ IN CONJUNCTION WITH DETAILS & SPECIFICATIONS



SECTION D

DEPARTMENT OF PLANNING, LANDS AND HERITAGE
DATE 29-Nov-2021 FILE 21-50723-1

STEEL FRAMED SHEDS
RHS FRAME

PROJECT #4 BIGNELL PL
HERNE HILL

CLIENT SHEPPARD STEEL CONTRACTING

STRUCterre consulting

Zemla Pty Ltd (ABN: 71 349 772 837) ATF the Young Purich and Higham Unit Trust trading as Structerre Consulting Engineers
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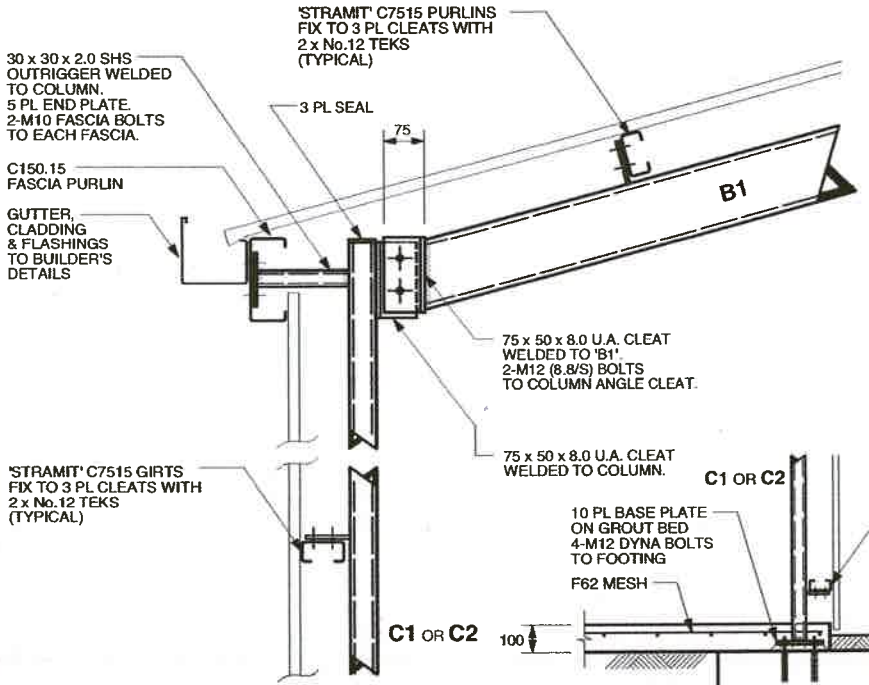
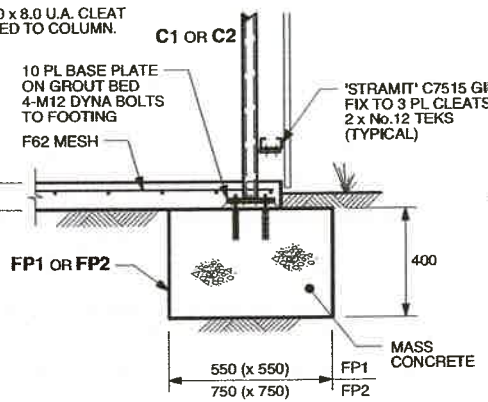
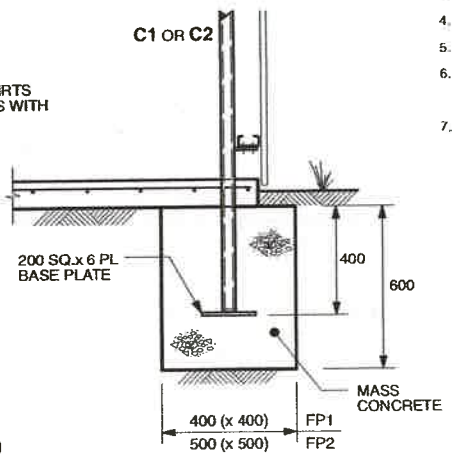
SCALE	DATE	SHEET N°
1:100	10/11/21	1 of 2



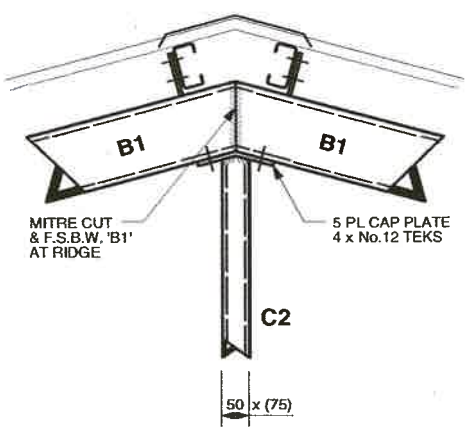
DETAIL 1
1:10



TYPICAL COLUMN FOOTING 1:20
- CONCRETE TO BE N20/30/80



ALTERNATIVE FOOTING DETAIL
- CONCRETE TO BE N20/30/80



DETAIL 2
(DETAIL 3 - SIM.)
1:10

MEMBER & FOOTING SCHEDULE	
C1 (TOTAL RAFTER SPAN = 6.0m)	50 x 50 x 4.0 SHS or 75 x 50 x 3.0 RHS
(TOTAL RAFTER SPAN = 8.0m)	75 x 50 x 4.0 RHS
C2	75 x 50 x 4.0 RHS
B1 (TOTAL RAFTER SPAN = 6.0m)	100 x 50 x 2.5 RHS or 125 x 75 x 2.0 RHS
(TOTAL RAFTER SPAN = 8.0m)	150 x 50 x 3.0 RHS
FP1 (TOTAL RAFTER SPAN = 6.0m)	550 x 550 x 400 DEEP
FP2 (TOTAL RAFTER SPAN = 8.0m)	750 x 750 x 400 DEEP

NOTE:
FOOTING PAD DESIGN ASSUMES 100mm GROUND SLAB.
IF NO SLAB, INCREASE FOOTING DEPTH BY 150mm.

DESIGN CRITERIA:
1. ROOF WEIGHT = 10 kg / sq.m. MAX.
2. LIVE LOAD = 0.25 kPa
3 a) WIND REGION A
b) TERRAIN CAT. 2
4. DESIGNED IN ACCORDANCE WITH A.S.1170 pt1 & pt2.

CONCRETE NOTES

1. ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE S.A.A. CODE FOR CONCRETE IN BUILDINGS. A.S.3600
2. ALL CONCRETE SHAJJ BE MINIMUM N20/20/80.
3. REINFORCEMENT SHALL BE IN ACCORDANCE WITH A.S. 1302 AND A.S. 1304.
4. ALL FORMWORK SHALL BE RIGIDLY CONSTRUCTED OF APPROVED MATERIAL. FORMWORK AND SUPPORTS SHALL BE DESIGNED TO WITHSTAND ALL POSSIBLE LOAD COMBINATIONS DURING CONSTRUCTION.
5. ALL SLAB CONCRETE SHALL BE CURED BY APPROVED METHODS FOR AT LEAST THE FIRST SEVEN DAYS AFTER PLACING.
6. ALL FILLING TO BE COMPACTED IN WELL WATERED 300mm LAYERS USING CLEAN WELL GRADED SAND TO PROVIDE STANDARD PENETROMETER READINGS OF 7 BLOWS PER 300mm. COMPACT BOTTOMS OF ALL FOOTING TRENCHES WHERE NATURAL SAND PROVIDES PENETROMETER READINGS LESS THAN 6 BLOWS PER 300mm.

STEEL NOTES

1. ALL FABRICATION OF STEEL WORK AND TOLERANCES SHALL BE IN ACCORDANCE WITH A.S. 4100 - STEEL STRUCTURES CODE.
2. ALL WELDING SHALL BE IN ACCORDANCE WITH THE S.A.A. CODE FOR WELDING IN BUILDING A.S. 1554 PART 1.
3. MINIMUM WELD TO BE 6mm FILLET.
4. ALL BOLTS SHALL BE GALVANIZED UNLESS OTHERWISE NOTED.
5. SEAL ALL OPEN ENDS OF PIPES OR RHS MEMBERS.
6. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY BRACING DURING ERECTION AND TO STABILISE THE STRUCTURE WHERE STABILITY IS PROVIDED BY MASONRY OR OTHER CLADDING.
7. TREATMENT: a) CLASS 2.5 ABRASIVE BLAST. 2 COATS INORGANIC ZINC. SILICATE. MINIMUM TOTAL DRY THICKNESS 100-125µm.
   - ALL STEEL IN CONTACT WITH GROUND TO HAVE EPOXY COAT OVER THE PAINTED FINISH.
   b) FOR SITES WITHIN 1.0km OF THE OCEAN, STEELWORK IS TO BE HOT DIP GALVANIZED.

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1:10, 1:20	10/11/21	2 of 2