PROPOSED GENERIC SHED
STRUCTURAL DRAWINGS

LIST OF DRAWINGS

B

GENERAL NOTES

GENERAL

G1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

G2 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.

G3 ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE.
ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
ENGINEER'S DRAWINGS ISSUED IN ANY ELECTRONIC FORMAT MUST NOT BE USED FOR DIMENSIONAL SETOUT.
REFER TO THE ARCHITECT'S DRAWINGS FOR ALL DIMENSIONAL SETOUT INFORMATION.

G4 DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.

G5 UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.

G6 THE RELEVANT PROVISIONS OF AS 1170.4 HAVE BEEN APPLIED FOR EARTHQUAKE DESIGN CATEGORY : II
IMPORTANCE LEVEL : 2
FOUNDING MATERIAL : Ce
HAZARD FACTOR : 0.09
DESIGN WORKING LIFE : 50 YEARS

WIND CLASSIFICATION

W1 WIND LOADS ARE IN ACCORDANCE WITH AS1170.2
WIND REGION A
IMPORTANCE LEVEL (BCA) 2
TERRAIN CATEGORY 2
SHIELDING CLASSIFICATION Ms= 1.0
TOPOGRAPHIC CLASSIFICATION Mt= 1.0
REGIONAL WIND SPEED vu= 45m/s
Cpi +0.0, -0.3

FOUNDATIONS

F1 FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 150kPa.
THE FOUNDATION MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER FOR THIS BEARING CAPACITY BEFORE PLACING MEMBRANE, REINFORCEMENT OR CONCRETE.

F2 FOOTINGS SHALL BE LOCATED CENTRALLY UNDER WALL AND COLUMNS UNLESS NOTED OTHERWISE.

F3 DO NOT EXCEED A RISE OF: 1 IN A RUN OF: 2
FOR THE LINE OF SLOPE BETWEEN ADJACENT FOOTINGS OR EXCAVATIONS.

F4 DO NOT BACKFILL RETAINING WALLS (OTHER THAN CANTILEVER WALLS) UNTIL FLOOR CONSTRUCTION AT TOP AND BOTTOM IS COMPLETED. ENSURE FREE DRAINING BACKFILL AND DRAINAGE IS IN PLACE.

F5 FOOTINGS TO BE CONSTRUCTED AND BACKFILLED AS SOON AS POSSIBLE FOLLOWING EXCAVATION TO AVOID SOFTENING OR DRYING OUT BY EXPOSURE.

F6 FOOTINGS TO BE FOUNDED 200 MIN. INTO N.G.L.

CONCRETE

C1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

C2 READYMIX CONCRETE SUPPLY SHALL COMPLY WITH AS 1379.

C3 CONCRETE QUALITY
ALL THE REQUIREMENTS OF THE ACSE SPECIFICATION DOCUMENT 1 (EDITION 6) SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	STRENGTH GRADE (MPa)	SLUMP	MAX AGG SIZE	CEMENT TYPE
REFER TO PLANS	-	-	-	-

C4 NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.

C5 NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

C6 ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.

C7 THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTIONS AND CONCRETE SHALL NOT BE DELIVERED UNTIL ENGINEERS APPROVAL IS OBTAINED.

C8 CONDUITS, PIPES ETC. SHALL ONLY BE LOCATED IN THE MIDDLE ONE THIRD OF SLAB DEPTH AND SPACED AT NOT LESS THAN 3 DIAMETERS OF THE CONDUIT, PIPES ETC. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE COVER TO REINFORCEMENT.

STRUCTURAL STEEL

S1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS 4100 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

S2 UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE IN ACCORDANCE WITH AS 3678 GRADE 250, OR AS 3679 GRADE 300, OR AS 1163 GRADE 350 AS APPROPRIATE.

S3 FOUR (4) COPIES OF WORKSHOP FABRICATION DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AT LEAST 7 DAYS PRIOR TO COMMENCEMENT OF FABRICATION. FABRICATION IS NOT TO COMMENCE WITHOUT ENGINEER'S APPROVAL OF WORKSHOP DRAWINGS. WHERE NOT INDICATED ON STRUCTURAL DRAWINGS, ALL DIMENSIONS & SETOUT TO BE OBTAINED FROM ARCHITECTURAL DRAWINGS.

S4 BOLTS ARE DESIGNATED ON THE DRAWINGS BY THE NUMBER, DIAMETER, GRADE AND TIGHTENING PROCEDURE.
4.6/S DENOTES COMMERCIAL BOLTS OF GRADE 4.6 TO AS 1111, SNUG TIGHTENED.
8.8/S DENOTES HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252, SNUG TIGHTENED.
8.8/TB DENOTES HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252, FULLY TENSIONED TO AS4100 AS A BEARING TYPE JOINT.
8.8/TF DENOTES HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 FULLY TENSIONED TO AS 4100 AS A FRICTION TYPE JOINT WITH FACING SURFACES LEFT UNCOATED.

S5 UNLESS NOTED OTHERWISE ALL BOLTS SHALL BE M20 CATEGORY 8.8/S. NO CONNECTION SHALL HAVE LESS THAN 2 BOLTS. ALL BOLTS AND WASHERS SHALL BE GALVANISED. CLEATS AND GUSSETS SHALL BE 10mm THICK.

S6 FULLY TENSIONED BOLTS TO BE INSTALLED IN ACCORDANCE WITH SECTION 15 OF AS 4100, USING THE PART-TURN OR THE DIRECT-TENSION INDICATOR METHOD.

S7 FILLET WELDS SHALL BE 6mm CONTINUOUS, CATEGORY SP, USING ELECTRODES IN ACCORDANCE WITH AS 1554.1 U.N.O.
BUTT WELDS SHALL BE COMPLETE PENETRATION BUTT WELDS IN ACCORDANCE WITH AS 1554.1.
ALL OTHER WELDS SHALL BE IN ACCORDANCE WITH AS 1554.1.
WELD CATEGORY:
PURLIN AND GIRT CLEATS - GP
ALL OTHER U.N.O. - SP

S8 ALL WELDS SHALL BE INSPECTED IN ACCORDANCE WITH AS 1554.1
THE EXTENT OF NON DESTRUCTIVE EXAMINATION SHALL COMPLY WITH AS 1554.1
DEFECTIVE WELDS SHALL BE REPAIRED OR REPLACED IN ACCORDANCE WITH AS 1554.1

S9 PROVIDE SEAL PLATES TO THE ENDS OF ALL HOLLOW SECTIONS, WITH "BREATHER" HOLES IF MEMBERS TO BE HOT DIP GALVANISED.

S10 ALL STEELWORK SHALL BE TEMPORARILY BRACED BY THE ERECTOR AS NECESSARY TO STABILISE THE STRUCTURE DURING ERECTION AND UNTIL PERMANENT STABILISING ELEMENTS HAVE BEEN CONSTRUCTED.

S11 STEELWORK TO BE CONCRETE ENCASED SHALL BE UNPAINTED.

S12 ALL STRUCTURAL STEELWORK BELOW GROUND SHALL BE CONCRETE ENCASED, MIN THICKNESS 75mm.

S13 COLD ROLLED PURLINS/GIRTS ARE TO BE INSTALLED COMPLETE WITH BRIDGING ETC IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

S14 STRUCTURAL STEELWORK NOT ENCASED IN CONCRETE SHALL HAVE THE FOLLOWING SURFACE TREATMENT IN ACCORDANCE WITH THE SPECIFICATION.

INTERNAL - ABRASIVE BLAST CLEAN CLASS 2½
75um DFT INORGANIC ZINC PHOSPHATE PRIMER

EXTERNAL - EXPOSED STEELWORK
HOT DIPPED GALVANISED

S15 COAT DAMAGED COLD FORMED MEMBERS WITH COLD GALVANISED PAINT. (2 COATS)

STRUCTURAL STEEL (CONTINUED)

S16 ALL GALVANISING OF STRUCTURAL STEELWORK SHALL BE PROCESSED IN ACCORDANCE WITH AS 4680/1999 'GALVANIZED COATINGS ON FABRICATED FERROUS ARTICLES'. THE CONTINUOUS AVERAGE ZINC COATING MASS TO BE 600 g/m² (550 g/m² MINIMUM).

S17 THE PURLIN/GIRT SYSTEM IS TO BE COMPRISED OF LYSAGHT CEE AND ZED SECTIONS (WITH STANDARD Z350 COATING) INCLUDING HOOK-LOK II BRIDGING SYSTEM AND GRADE 4.6 M12 BOLTS WITH INTEGRAL WASHERS FOR BOTH HEAD AND NUT. IF OTHER PURLIN/GIRT SYSTEMS ARE PROPOSED THEN WRITTEN PERMISSION MUST BE SOUGHT FROM THE ENGINEER.

S18 THE BUILDER IS TO ENSURE THAT THE ERECTION OF THE STRUCTURAL STEELWORK IS IN STRICT ACCORDANCE WITH AS3828. 1998 'GUIDELINES FOR THE ERECTION OF BUILDING STEELWORK'.
ALLOW FOR THE INSTALLMENT OF TEMPORARY BRACING AS REQUIRED.

S19 ROLLER SHUTTER AND OTHER DOORS SHALL BE DESIGNED AND CERTIFIED BY THE INSTALLER AND MANUFACTURE TO BE CAPABLE OF RESISTING A WIND PRESSURE OF 0.92kPa

PORTAL FRAME DESIGN CRITERIA

THE PORTAL FRAME HAS BEEN DESIGNED FOR THE FOLLOWING LOAD CONDITIONS:
DEAD LOAD: 0.1kPa
LIVE LOAD (NON TRAFFICABLE): 0.25kPa
SUSPENDED CEILINGS: 0kPa
FIRE SERVICES: 0kPa
PLANT PLATFORMS: 0kPa
A/C DUCT WORK: 0kPa
EARTHQUAKE LOAD AS NOTED IN GENERAL NOTES.

COLD-FORMED STRUCTURAL STEEL

CF1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS 4600 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS

CF2 UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE IN ACCORDANCE WITH AS 1163, AS 1397 (EXCLUDING GRADE G550, LESS THAN 0.9mm IN THICKNESS), AS/NZS 1594, AS/NZS 1595 AND AS/NZS 3678, AS APPROPRIATE.

CF3 BOLTS ARE DESIGNATED ON THE DRAWINGS BY THE NUMBER, DIAMETER, GRADE AND TIGHTENING PROCEDURE. STEEL BOLTS, NUTS AND WASHERS SHALL COMPLY WITH AS 1110.1, AS 1111.1, AS 1112.1, AS 1112.2, AS 1112.3, AS 1112.4, AS/NZS 1252, AS/NZS 1559 AND AS 4291.1 (ISO 898-1), AS APPROPRIATE.

CF4 UNLESS NOTED OTHER WISE, ALL BOLTS SHALL BE M12 CATEGORY 4.6/S. UNLESS NOTED OTHERWISE, NO CONNECTION SHALL HAVE LESS THAN 2 BOLTS. ALL BOLTS AND WASHERS SHALL BE GALVANISED. UNLESS NOTED OTHERWISE, CLEATS AND GUSSETS SHALL BE 6MM THICK.

CF5 FILLET WELDS SHALL BE 3MM CONTINUOUS USING ELECTRODES AS 1554.1 U.N.O
BUTT WELDS SHALL BE COMPLETE PENETRATION BUTT WELDS IN ACCORDANCE WITH AS 1554.1.
ALL WELDS AND WELD TESTING, INCLUDING EXTEND OF NON-DESTRUCTIVE EXAMINATION AND REPAIR OF DEFECTIVE WELDS SHALL BE IN ACCORDANCE WITH AS1554.1.

FOR APPROVAL	11.12.19	B
FOR APPROVAL	09.01.15	A
AMENDMENTS	DATE	ISSUE

STATUS
FOR APPROVAL

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BUILDER
BARGAIN STEEL CENTRE .COM.AU

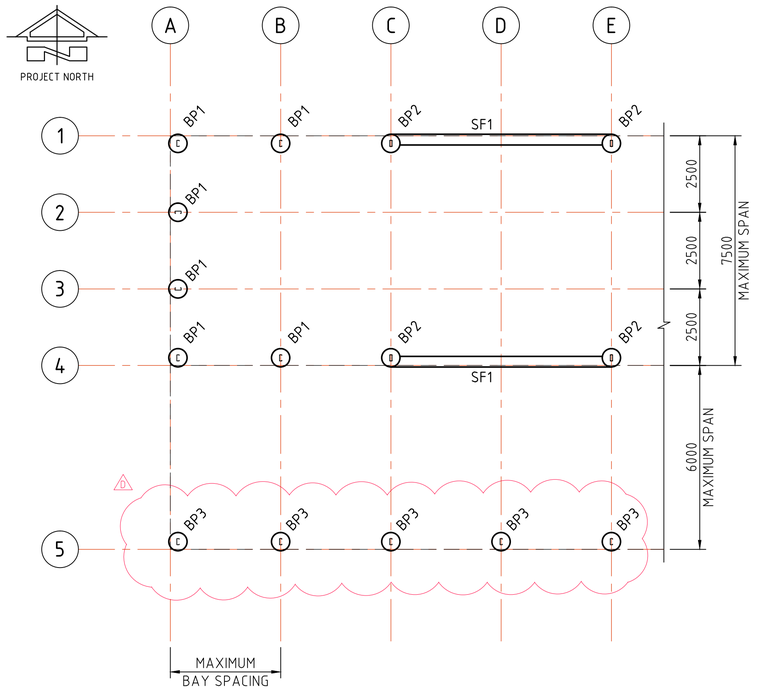
PROJECT
GENERIC GABLE 7.5m SPAN
3.6m FRAME SPACING, 7.8m Carry Beam

DESIGNED	DRAWN	DATE	SIZE	CAD REF
N.Z.	S.S	07.01.15	A1	TX-11065.08-S01

DRAWING TITLE
GENERAL NOTES AND LIST OF DRAWINGS

ENGINEERS AUSTRALIA Chartered Professional Engineer MEMBER

DRAWING No TX-11065.08-S01
ISSUE B



FOOTING LAYOUT PLAN

SCALE 1:100

CONCRETE QUALITY					
ELEMENT	SLUMP	AGGREGATE (MAX. SIZE)	CEMENT TYPE	ADMIXTURE	F'c (MPa)
FOOTINGS	80	20	GP	NIL	25

NOTE:
TOP OF FOOTING RL TO BE 150 BELOW FFL

FOOTINGS TO BE FOUNDED 200 MIN. INTO NATURAL GROUND ON SBV 150kPa TYPICAL U.N.O.

STEEL ENCASEMENT NOTE:
ALL STEELWORK BELOW SLAB LEVEL TO BE CONCRETE ENCASED FROM FOOTING LEVEL TO SLAB PRIOR TO BACKFILLING.

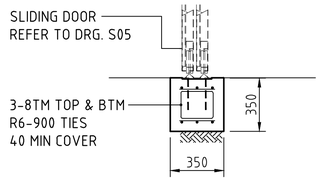
FOOTING SCHEDULE

SHED TYPE	FOOTING MARK No.	SIZE (MINIMUM)	REINFORCEMENT
7.5 - 4.2 - 3	BP1	600 DIA x 700 DEEP BORED PIER	N.A. MASS CONCRETE
	BP2	600 DIA x 1000 DEEP BORED PIER	N.A. MASS CONCRETE
	BP3	450 DIA x 600 DEEP BORED PIER	N.A. MASS CONCRETE
	SF1	350 WIDE x 350 DEEP STRIP	REFER TO DETAIL.
7.5- 4.2 - 3.6	BP1	600 DIA x 700 DEEP BORED PIER	N.A. MASS CONCRETE
	BP2	600 DIA x 1000 DEEP BORED PIER	N.A. MASS CONCRETE
	BP3	600 DIA x 600 DEEP BORED PIER	N.A. MASS CONCRETE
	SF1	350 WIDE x 350 DEEP STRIP	REFER TO DETAIL.
7.5 - 4.2 - 4	BP1	600 DIA x 900 DEEP BORED PIER	N.A. MASS CONCRETE
	BP2	600 DIA x 1200 DEEP BORED PIER	N.A. MASS CONCRETE
	BP3	600 DIA x 600 DEEP BORED PIER	N.A. MASS CONCRETE
	SF1	350 WIDE x 350 DEEP STRIP	REFER TO DETAIL.

SHED TYPE

7.5 - 4.2 - 3.6

- 7.5 — DENOTES max. SPAN
- 4.2 — DENOTES max. HEIGHT
- 3.6 — DENOTES max. BAY SPACING



STRIP FOOTING SF1 DETAIL

SCALE 1:20

SLIDING DOOR FOOTING NOTE:

SIZE OF FOOTING MAY BE INCREASED TO SUIT DOOR MANUFACTURERS REQUIREMENTS ALTERNATIVELY FLOOR SLAB (BY OTHERS) MAY FORM SUPPORT FOR SLIDING DOOR.

1m 0 1 2 3 4 5 6 7 8 9 10m

SCALE 1:100 AT A1 SIZE SHEET

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SHOWN CLOUDED	11.07.17	D
FOR APPROVAL	18.08.15	C
FOR APPROVAL	03.06.15	B
FOR APPROVAL	09.01.15	A
AMENDMENTS	DATE	ISSUE

STATUS
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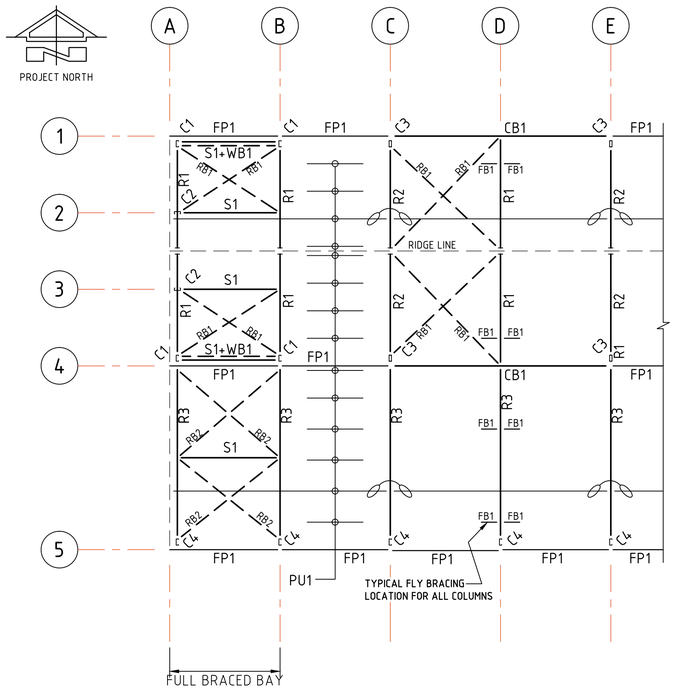
PROJECT
GENERIC GABLE 7.5m SPAN
3.6m FRAME SPACING, 7.8m Carry Beam

DESIGNED	DRAWN	DATE	SIZE	CAD REF
N.Z.	S.S	07.01.15	A1	TX-11065.08-S01

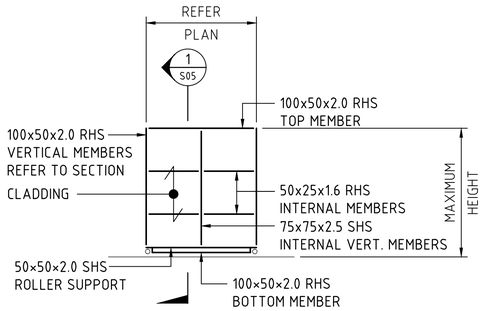
DRAWING TITLE
FOOTING LAYOUT PLAN

DRAWING No
TX-11065.08-S02

ISSUE
D



ROOF STEELWORK MARKING PLAN
SCALE 1:100



SLIDING DOOR FRAMING ELEVATION
SCALE 1:100

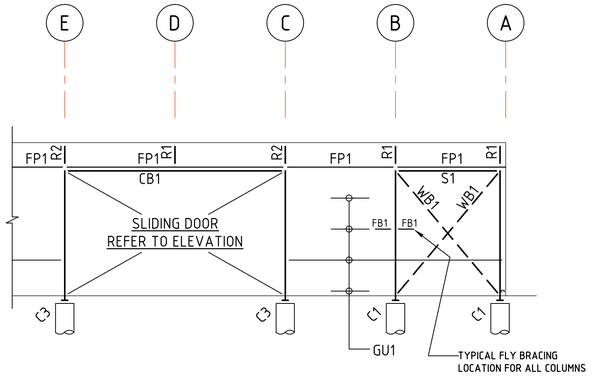
SHED TYPE

7.5 - 4.2 - 3.6

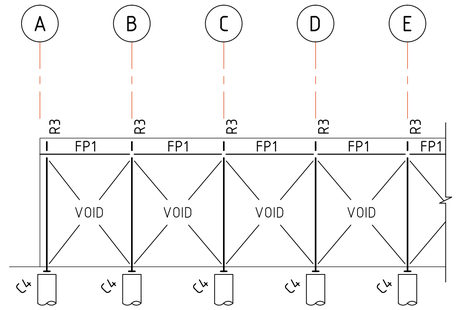
DENOTES max. SPAN

DENOTES max. HEIGHT

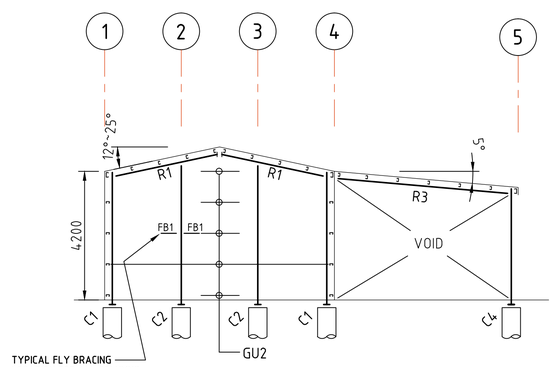
DENOTES max. BAY SPACING



NORTHERN ELEVATION
SCALE 1:100
SOUTHERN ELEVATION (ALONG GRID 4) SIMILAR
(BUT MIRRORED)



SOUTHERN ELEVATION (ALONG GRID 5)
SCALE 1:100



WESTERN ELEVATION
SCALE 1:100
EASTERN ELEVATION SIMILAR
(BUT MIRRORED)

STEELWORK MEMBER SCHEDULE

SHED TYPE	MARK No.	MEMBER TYPE	MEMBER SIZE
7.5 - 4.2- 3	C1	COLUMN	C200-15
	C2	COLUMN	C200-15
	C3	COLUMN	C200-15 BOXED
	C4	COLUMN	C200-15
	CB1	CARRY BEAM	C200-15 BOXED
	FB1	FLY BRACE	REFER TO DETAIL
	R1	RAFTER	C200-15
	R2	RAFTER	C200-19
	R3	RAFTER	C200-19
	RB1	ROOF BRACING	38×25×1.6 RHS
	RB2	ROOF BRACING	38×1.2 STRAP
	S1	STRUT	50×50×2.0 SHS
	WB1	WALL BRACING	38×25×1.6 RHS
7.5 - 4.2- 3.6	C1	COLUMN	C200-19
	C2	COLUMN	C200-15
	C3	COLUMN	C200-19 BOXED
	C4	COLUMN	C200-19
	CB1	CARRY BEAM	C200-19 BOXED
	FB1	FLY BRACE	REFER TO DETAIL
	R1	RAFTER	C200-19
	R2	RAFTER	C200-19
	R3	RAFTER	C200-19
	RB1	ROOF BRACING	38×25×1.6 RHS
	RB2	ROOF BRACING	38×1.2 STRAP
	S1	STRUT	50×50×2.0 SHS
	WB1	WALL BRACING	38×25×1.6 RHS
7.5 - 4.2- 4	C1	COLUMN	C200-19
	C2	COLUMN	C200-15
	C3	COLUMN	C200-19 BOXED
	C4	COLUMN	C200-19
	CB1	CARRY BEAM	C200-24 BOXED
	FB1	FLY BRACE	REFER TO DETAIL
	R1	RAFTER	C200-19
	R2	RAFTER	C200-24
	R3	RAFTER	C200-19
	RB1	ROOF BRACING	38×25×1.6 RHS
	RB2	ROOF BRACING	38×1.2 STRAP
	S1	STRUT	50×50×2.0 SHS
	WB1	WALL BRACING	38×25×1.6 RHS

PURLIN AND GIRT SCHEDULE

7.5 - 4.2- 3	PU1	PURLIN	C7510 AT 1200 max. CTS FIRST BAT AT EAVES AND RIDGE TO BE 900 max. min. 2 CONTINUOUS SPANS
	GU1	GIRT	C7510 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	GU2	GIRT	C7510 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	FP1	FASCIA PURLIN	C10010
7.5 - 4.2- 3.6	PU1	PURLIN	C10010 AT 1200 max. CTS FIRST BAT AT EAVES AND RIDGE TO BE 900 max. min. 2 CONTINUOUS SPANS
	GU1	GIRT	C10010 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	GU2	GIRT	C10010 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	FP1	FASCIA PURLIN	C15012
7.5 - 4.2- 4	PU1	PURLIN	C10012 AT 1200 max. CTS FIRST BAT AT EAVES AND RIDGE TO BE 900 max. min. 2 CONTINUOUS SPANS
	GU1	GIRT	C10012 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	GU2	GIRT	C10010 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	FP1	FASCIA PURLIN	C15012

CLADDING SPECIFICATION

ROOF: CUSTOM ORB 0.42 BMT
WALL: CUSTOM ORB 0.42 BMT

NOTE:
PROVIDE FULL BRACING BAY AT EVERY 5 BAYS MAXIMUM.

SPEED/STRAP BRACING FIXING NOTE:
SPEED/STRAP BRACING TO BE FIXED IN PLACE BY WRAPPING ENDS AROUND PURLINS/COL. TEK SREWED IN PLACE 3 SCREWS MIN, TENSIONED AND SCREWED TO EACH PURLIN/COL. WHERE APPLICABLE.

1m 0 1 2 3 4 5 6 7 8 9 10m
SCALE 1:100 AT A1 SIZE SHEET

SHOWN CLOUDED	08.09.20	E
SHOWN CLOUDED	11.07.17	D
FOR APPROVAL	18.08.15	C
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STATUS
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PROJECT
GENERIC GABLE 7.5m SPAN
3.6m FRAME SPACING, 7.8m Carry Beam

DESIGNED	DRAWN	DATE	SIZE	CAD REF
N.Z.	S.S	07.01.15	A1	TX-11065.08-S01

DRAWING TITLE
ROOF STEELWORK MARKING PLAN AND ELEVATIONS

DRAWING No
TX-11065.08-S03

ISSUE
E

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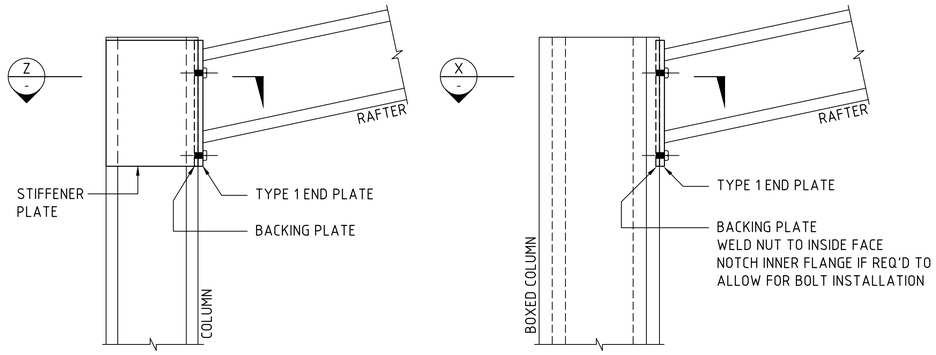
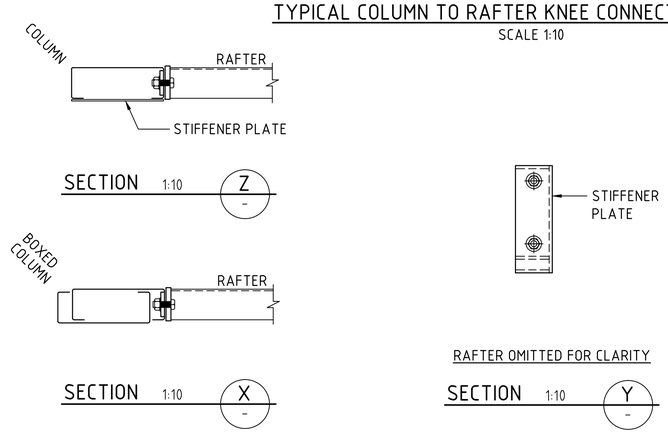
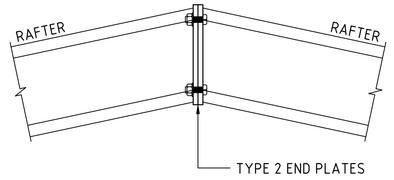


TYPICAL COLUMN TO RAFTER KNEE CONNECTION DETAILS
SCALE 1:10





TYPICAL RAFTER RIDGE CONNECTION DETAIL
SCALE 1:10

KNEE CONNECTION SPEC.

RAFTER SIZE (END PLATE TYPE)	END PL./WELD	BACKING PL./WELD	BOLT SPEC.	STIFFENER PL./WELD (N/A FOR BOXED COLUMN CONNECTIONS)
C200-15 (TYPE 1)	12 THICK PLATE C.P.B.W. TO FLANGES 3 C.F.W. TO WEB	10 THICK PLATE 3 C.F.W.	2M16 8.8/S	3 THICK PLATE 3 C.F.W.
C200-19/24 (TYPE 1)	16 THICK PLATE C.P.B.W. TO FLANGES 4 C.F.W. TO WEB	12 THICK PLATE 3 C.F.W.	2M16 8.8/S	3 THICK PLATE 3 C.F.W.

RIDGE CONNECTION SPEC.

SIZE	RIDGE PLATE	BOLT SPEC.	WELD SPEC.
C200-15/19/24	10 THICK PLATE	2M16 8.8/S	3 C.F.W.

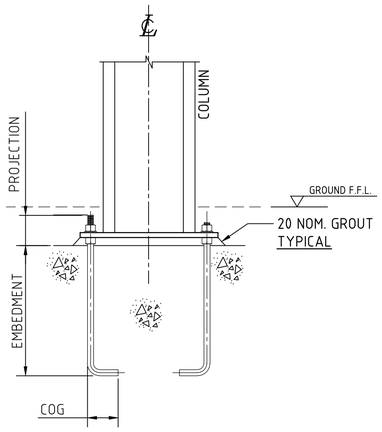
WELD NOTE:
ALL WELDS TO BE MIN.
3mm C.F.W. E49XX-SP
UNLESS NOTED OTHERWISE.

RAFTER TO T.B. CONNECTION SPEC.

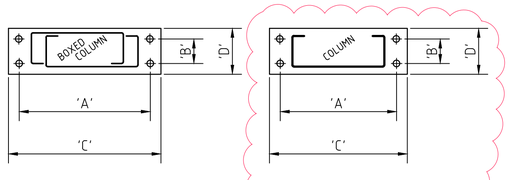
RAFTER SIZE	END PL./WELD	BACKING PL./WELD	BOLT SPEC.	STIFFENER PL./WELD
C200-15/19	10 THICK PLATE 3 C.F.W.	8 THICK PLATE 3 C.F.W.	2M16 8.8/S	8 THICK PLATE 3 C.F.W.

RAFTER END PLATE DIMENSIONS (MIN.)

SIZE	'A' (mm)	'B' (mm)	'C' (mm)	'D' (mm)	'E' (mm)
C200	90	260 T1 ONLY 223 T2 ONLY	28	136 T2 ONLY	32 T1 ONLY

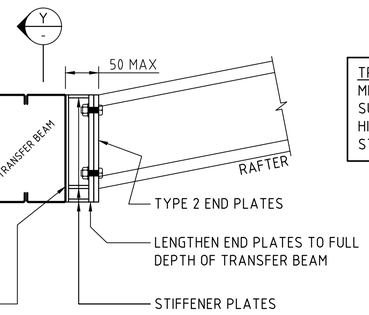


ELEVATION



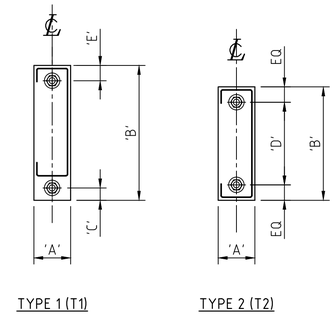
TYPE 1a - PLAN TYPE 1b - PLAN

COLUMN BASE PLATE DETAIL
SCALE 1:10



TRANSFER BEAM WELDING NOTE:
MIN. 300 WELD LENGTH AT ALL SUPPPORTS AND RAFTER LOCATIONS.
HIT 100, MISS 300 ELSEWHERE.
STAGGER WELDS TOP AND BTM.

TYPICAL RAFTER TO T.B. CONNECTION DETAIL
SCALE 1:10



TYPICAL RAFTER END PLATE DIMENSION LAYOUT
SCALE 1:10

BASE PLATE CONNECTION SPEC. / SETOUT DIMENSIONS

SIZE (TYPE)	BASE PL./WELD	BOLT SPECIFICATION	'A' (mm)	'B' (mm)	'C' (mm)	'D' (mm)
C200-15 (TYPE 1b)	10 THICK PLATE/3 C.F.W.	4M12 4.6/S H.D. BOLTS, 400 EMBEDMENT, 100 COG, 100 PROJECTION	253	40	295	90
C200-19/24 (TYPE 1b)	12 THICK PLATE/3 C.F.W.	4M16 4.6/S H.D. BOLTS, 400 EMBEDMENT, 100 COG, 100 PROJECTION	269	60	325	130
C250-24 (TYPE 1b)	12 THICK PLATE/3 C.F.W.	4M16 4.6/S H.D. BOLTS, 400 EMBEDMENT, 100 COG, 100 PROJECTION	319	60	375	130
2/C200 (TYPE 1a)	16 THICK PLATE/6 C.F.W.	4M16 4.6/S H.D. BOLTS, 500 EMBEDMENT, 100 COG, 130 PROJECTION	305	60	375	130

100mm 0 200 400 600 800 1000mm
SCALE 1:10 AT A1 SIZE SHEET

SHOWN CLOUDED	08.09.20	E
SHOWN CLOUDED	08.10.15	D
FOR APPROVAL	18.08.15	C
FOR APPROVAL	03.06.15	B
FOR APPROVAL	09.01.15	A
AMENDMENTS	DATE	ISSUE

STATUS
FOR APPROVAL

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SYDNEY ..... ADELAIDE ..... DARWIN

BUILDER
BARGAIN STEEL CENTRE .COM.AU

PROJECT
GENERIC GABLE 7.5m SPAN
3.6m FRAME SPACING, 7.8m Carry Beam

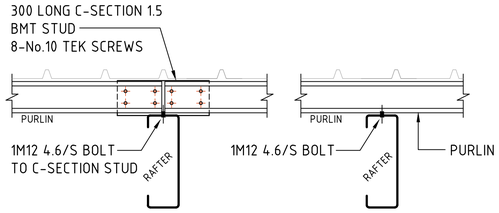
DESIGNED	DRAWN	DATE	SIZE	CAD REF
N.Z.	S.S	07.01.15	A1	TX-11065.08-S01

DRAWING TITLE
STEELWORK DETAILS
SHEET 1

DRAWING No
TX-11065.08-S04

ISSUE
E

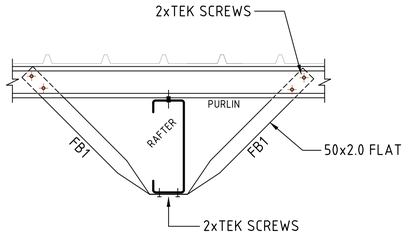
ENGINEERS AUSTRALIA Chartered Professional Engineer MEMBER



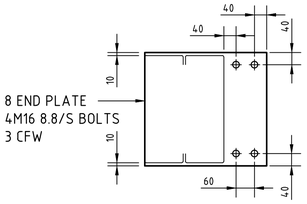
PURLIN LAP DETAIL

CONTINUOUS PURLIN OVER DETAIL

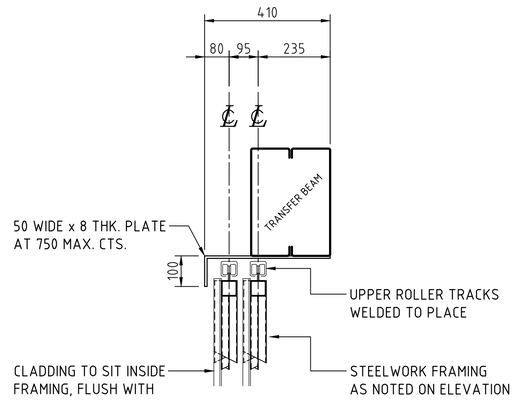
TYPICAL PURLIN CONNECTION DETAILS
SCALE 1:10



TYPICAL FLY BRACING FB1 DETAILS
SCALE 1:10
DENOTED FB1 ON PLAN

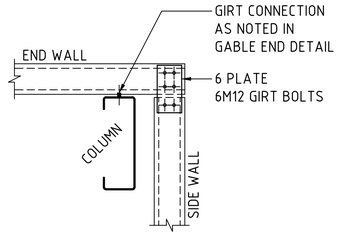


TYPICAL TRANSFER BEAM END PLATE DIMENSION DETAIL
SCALE 1:10

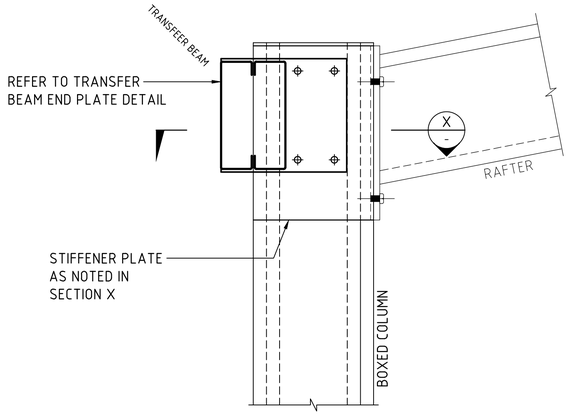


SECTION 1:10 — 1 / S03

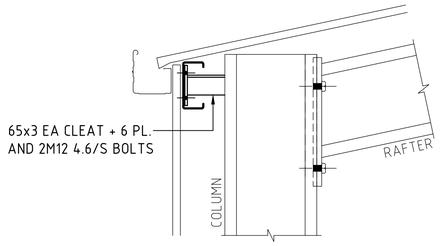
TYPICAL SLIDING DOOR DETAIL



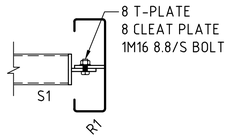
TYPICAL GIRT CORNER CONNECTION DETAIL
SCALE 1:10



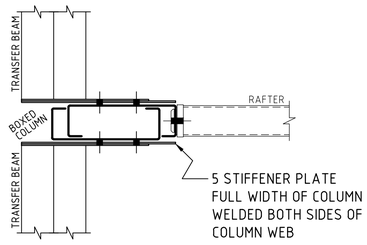
TYPICAL TRANSFER BEAM CONNECTION DETAIL
SCALE 1:10



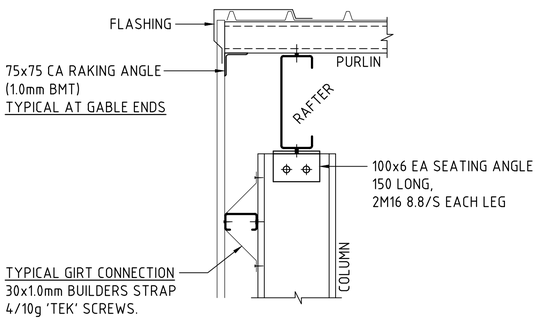
TYPICAL FASCIA PURLIN CONNECTION DETAIL
SCALE 1:10



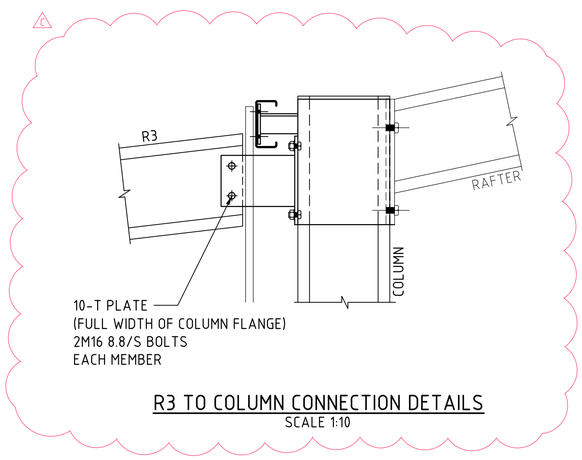
TYPICAL STRUT END CONNECTION DETAILS
SCALE 1:10



SECTION 1:10 — X / -



TYPICAL GABLE END
SCALE 1:10



R3 TO COLUMN CONNECTION DETAILS
SCALE 1:10

100mm 0 200 400 600 800 1000mm
SCALE 1:10 AT A1 SIZE SHEET

SHOWN CLOUDED	11.07.17	C
SHOWN CLOUDED	08.10.15	B
FOR APPROVAL	18.08.15	A
AMENDMENTS	DATE	ISSUE

STATUS
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SYDNEY ..... ADELAIDE ..... DARWIN

BUILDER
BARGAIN STEEL CENTRE .COM.AU

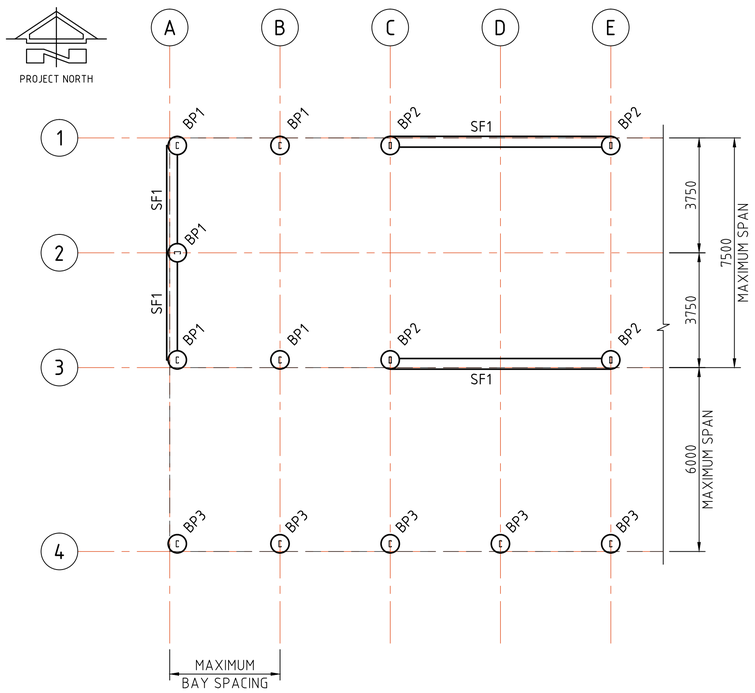
PROJECT
GENERIC GABLE 7.5m SPAN
3.6m FRAME SPACING, 7.8m Carry Beam

DESIGNED	DRAWN	DATE	SIZE	CAD REF
N.Z.	S.S	07.01.15	A1	TX-11065.08-S01

DRAWING TITLE
STEELWORK DETAILS
SHEET 2

ENGINEERS AUSTRALIA Chartered Professional Engineer MEMBER

DRAWING No TX-11065.08-S05 — ISSUE C



FOOTING LAYOUT PLAN
(END WALL WITH SLIDING DOOR)

SCALE 1:100

CONCRETE QUALITY					
ELEMENT	SLUMP	AGGREGATE (MAX. SIZE)	CEMENT TYPE	ADMIXTURE	F'c (MPa)
FOOTINGS	80	20	GP	NIL	25

NOTE:
TOP OF FOOTING RL TO BE 150 BELOW FFL

FOOTINGS TO BE FOUNDED 200 MIN. INTO NATURAL GROUND ON SBV 150kPa TYPICAL U.N.O.

STEEL ENCASEMENT NOTE:
ALL STEELWORK BELOW SLAB LEVEL TO BE CONCRETE ENCASED FROM FOOTING LEVEL TO SLAB PRIOR TO BACKFILLING.

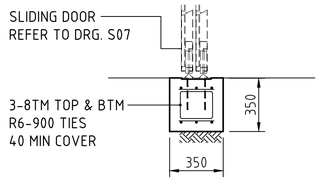
FOOTING SCHEDULE

SHED TYPE	FOOTING MARK No.	SIZE (MINIMUM)	REINFORCEMENT
7.5 - 4.2 - 3	BP1	600 DIA x 700 DEEP BORED PIER	N.A. MASS CONCRETE
	BP2	600 DIA x 1000 DEEP BORED PIER	N.A. MASS CONCRETE
	BP3	450 DIA x 600 DEEP BORED PIER	N.A. MASS CONCRETE
	SF1	350 WIDE x 350 DEEP STRIP	REFER TO DETAIL.
7.5- 4.2 - 3.6	BP1	600 DIA x 700 DEEP BORED PIER	N.A. MASS CONCRETE
	BP2	600 DIA x 1000 DEEP BORED PIER	N.A. MASS CONCRETE
	BP3	600 DIA x 600 DEEP BORED PIER	N.A. MASS CONCRETE
	SF1	350 WIDE x 350 DEEP STRIP	REFER TO DETAIL.
7.5 - 4.2 - 4	BP1	600 DIA x 900 DEEP BORED PIER	N.A. MASS CONCRETE
	BP2	600 DIA x 1200 DEEP BORED PIER	N.A. MASS CONCRETE
	BP3	600 DIA x 600 DEEP BORED PIER	N.A. MASS CONCRETE
	SF1	350 WIDE x 350 DEEP STRIP	REFER TO DETAIL.

SHED TYPE

7.5 - 4.2 - 3.6

- 7.5 — DENOTES max. SPAN
- 4.2 — DENOTES max. HEIGHT
- 3.6 — DENOTES max. BAY SPACING



STRIP FOOTING SF1 DETAIL

SCALE 1:20

SLIDING DOOR FOOTING NOTE:

SIZE OF FOOTING MAY BE INCREASED TO SUIT DOOR MANUFACTURERS REQUIREMENTS ALTERNATIVELY FLOOR SLAB (BY OTHERS) MAY FORM SUPPORT FOR SLIDING DOOR.

1m 0 1 2 3 4 5 6 7 8 9 10m

SCALE 1:100 AT A1 SIZE SHEET

ENGINEERS AUSTRALIA Chartered Professional Engineer MEMBER

FOR APPROVAL	11.12.19	A
AMENDMENTS	DATE	ISSUE

STATUS
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BARGAIN STEEL CENTRE .COM.AU

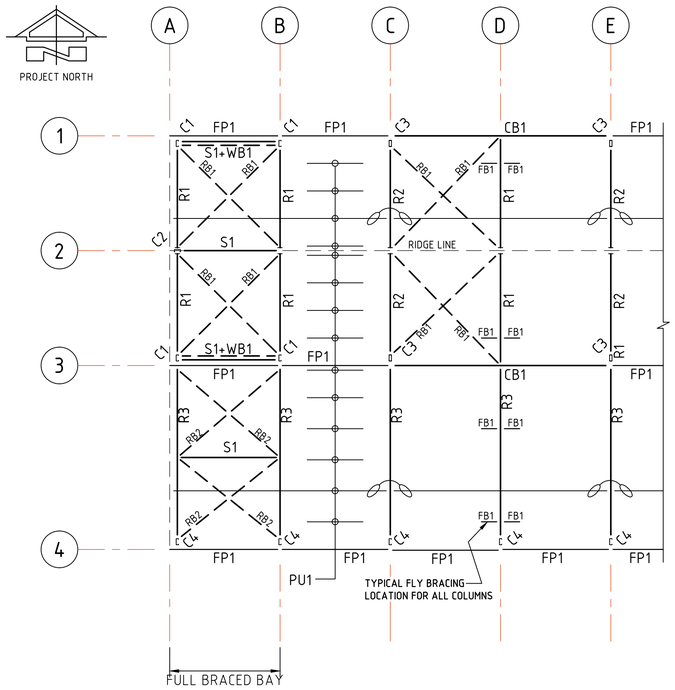
PROJECT
GENERIC GABLE 7.5m SPAN
3.6m FRAME SPACING, 7.8m Carry Beam

DESIGNED	DRAWN	DATE	SIZE	CAD REF
N.Z.	S.S	07.01.15	A1	TX-11065.08-S01

DRAWING TITLE
FOOTING LAYOUT PLAN
(END WALL WITH SLIDING DOOR)

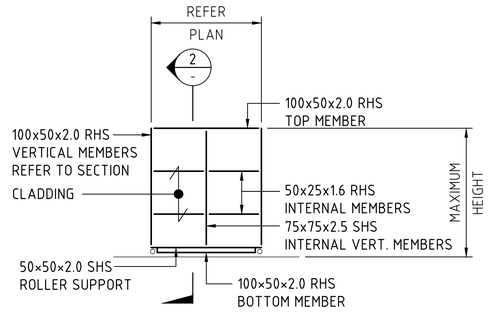
DRAWING No
TX-11065.08-S06

ISSUE
A



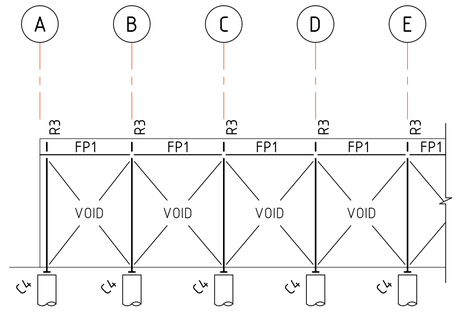
ROOF STEELWORK MARKING PLAN (END WALL WITH SLIDING DOOR)

SCALE 1:100



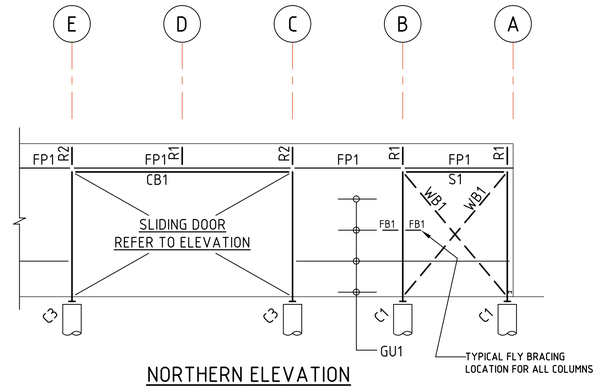
SLIDING DOOR FRAMING ELEVATION

SCALE 1:100



SOUTHERN ELEVATION (ALONG GRID 5)

SCALE 1:100

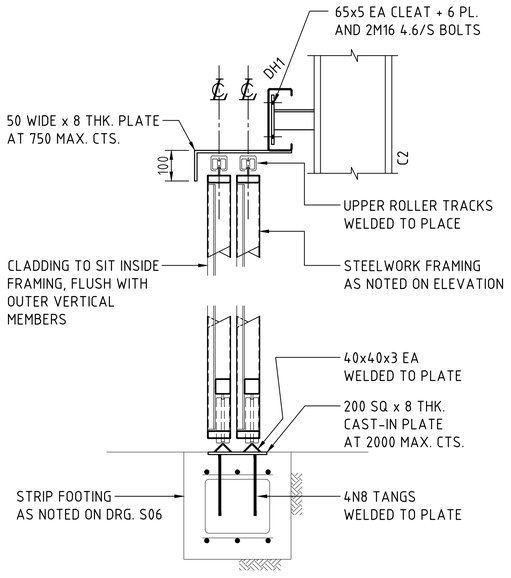


NORTHERN ELEVATION

SCALE 1:100

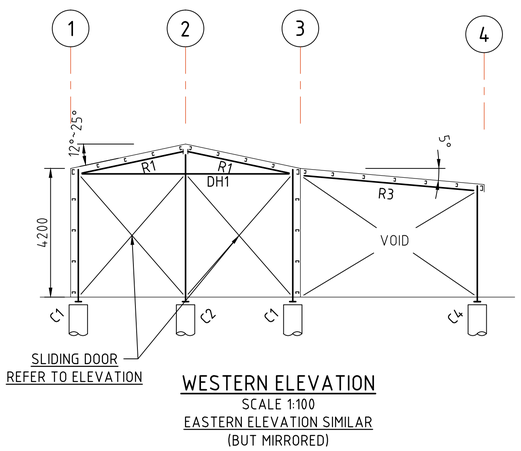
SOUTHERN ELEVATION (ALONG GRID 4) SIMILAR

(BUT MIRRORED)



SECTION 1:10 (2)

TYPICAL SLIDING DOOR DETAIL



WESTERN ELEVATION

SCALE 1:100

EASTERN ELEVATION SIMILAR

(BUT MIRRORED)

STEELWORK MEMBER SCHEDULE

SHED TYPE	MARK No.	MEMBER TYPE	MEMBER SIZE
7.5 - 4.2- 3	C1	COLUMN	C200-15
	C2	COLUMN	C250-24
	C3	COLUMN	C200-15 BOXED
	C4	COLUMN	C200-15
	DH1	DOOR HEAD	C200-24
	CB1	CARRY BEAM	C200-15 BOXED
	FB1	FLY BRACE	REFER TO DETAIL
	R1	RAFTER	C200-15
	R2	RAFTER	C200-19
	R3	RAFTER	C200-19
	RB1	ROOF BRACING	38×25×1.6 RHS
	RB2	ROOF BRACING	38×1.2 STRAP
	S1	STRUT	50×50×2.0 SHS
	WB1	WALL BRACING	38×25×1.6 RHS
7.5 - 4.2- 3.6	C1	COLUMN	C200-19
	C2	COLUMN	C250-24
	C3	COLUMN	C200-19 BOXED
	C4	COLUMN	C200-19
	CB1	CARRY BEAM	C200-19 BOXED
	DH1	DOOR HEAD	C200-24
	FB1	FLY BRACE	REFER TO DETAIL
	R1	RAFTER	C200-19
	R2	RAFTER	C200-19
	R3	RAFTER	C200-19
	RB1	ROOF BRACING	38×25×1.6 RHS
	RB2	ROOF BRACING	38×1.2 STRAP
	S1	STRUT	50×50×2.0 SHS
	WB1	WALL BRACING	38×25×1.6 RHS
7.5 - 4.2- 4	C1	COLUMN	C200-19
	C2	COLUMN	C250-24
	C3	COLUMN	C200-24 BOXED
	C4	COLUMN	C200-19
	CB1	CARRY BEAM	C200-24 BOXED
	DH1	DOOR HEAD	C200-24
	FB1	FLY BRACE	REFER TO DETAIL
	R1	RAFTER	C200-19
	R2	RAFTER	C200-24
	R3	RAFTER	C200-19
	RB1	ROOF BRACING	38×25×1.6 RHS
	RB2	ROOF BRACING	38×1.2 STRAP
	S1	STRUT	50×50×2.0 SHS
	WB1	WALL BRACING	38×25×1.6 RHS

PURLIN AND GIRT SCHEDULE

7.5 - 4.2- 3	PU1	PURLIN	C7510 AT 1200 max. CTS FIRST BAT AT EAVES AND RIDGE TO BE 900 max. min. 2 CONTINUOUS SPANS
	GU1	GIRT	C7510 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	GU2	GIRT	C7510 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	FP1	FASCIA PURLIN	C10010
7.5 - 4.2- 3.6	PU1	PURLIN	C10010 AT 1200 max. CTS FIRST BAT AT EAVES AND RIDGE TO BE 900 max. min. 2 CONTINUOUS SPANS
	GU1	GIRT	C10010 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	GU2	GIRT	C10010 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	FP1	FASCIA PURLIN	C15012
7.5 - 4.2- 4	PU1	PURLIN	C10012 AT 1200 max. CTS FIRST BAT AT EAVES AND RIDGE TO BE 900 max. min. 2 CONTINUOUS SPANS
	GU1	GIRT	C10012 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	GU2	GIRT	C10010 AT 1000 max. CTS min. 2 CONTINUOUS SPANS
	FP1	FASCIA PURLIN	C15012

SHED TYPE

7.5 - 4.2 - 3.6

DENOTES max. SPAN

DENOTES max. HEIGHT

DENOTES max. BAY SPACING

CLADDING SPECIFICATION

ROOF: CUSTOM ORB 0.42 BMT

WALL: CUSTOM ORB 0.42 BMT

NOTE:

PROVIDE FULL BRACING BAY AT EVERY 5 BAYS MAXIMUM.

SPEED/STRAP BRACING FIXING NOTE:

SPEED/STRAP BRACING TO BE FIXED IN PLACE BY WRAPPING ENDS AROUND PURLINS/COL. TEK SREWED IN PLACE 3 SCREWS MIN, TENSIONED AND SCREWED TO EACH PURLIN/COL. WHERE APPLICABLE.

1m 0 1 2 3 4 5 6 7 8 9 10m

SCALE 1:100 AT A1 SIZE SHEET

100mm 0 200 400 600 800 1000mm

SCALE 1:10 AT A1 SIZE SHEET

SHOWN CLOUDED	08.09.20	B
FOR APPROVAL	11.12.19	A
AMENDMENTS	DATE	ISSUE

STATUS

FOR APPROVAL

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BUILDER

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PROJECT

GENERIC GABLE 7.5m SPAN

3.6m FRAME SPACING, 7.8m Carry Beam

DESIGNED	DRAWN	DATE	SIZE	CAD REF
N.Z.	S.S	07.01.15	A1	TX-11065.08-S01

DRAWING TITLE

ROOF STEELWORK MARKING PLAN AND ELEVATIONS (END WALL WITH SLIDING DOOR)

DRAWING No: TX-11065.08-S07

ISSUE: B

ENGINEERS AUSTRALIA Chartered Professional Engineer MEMBER