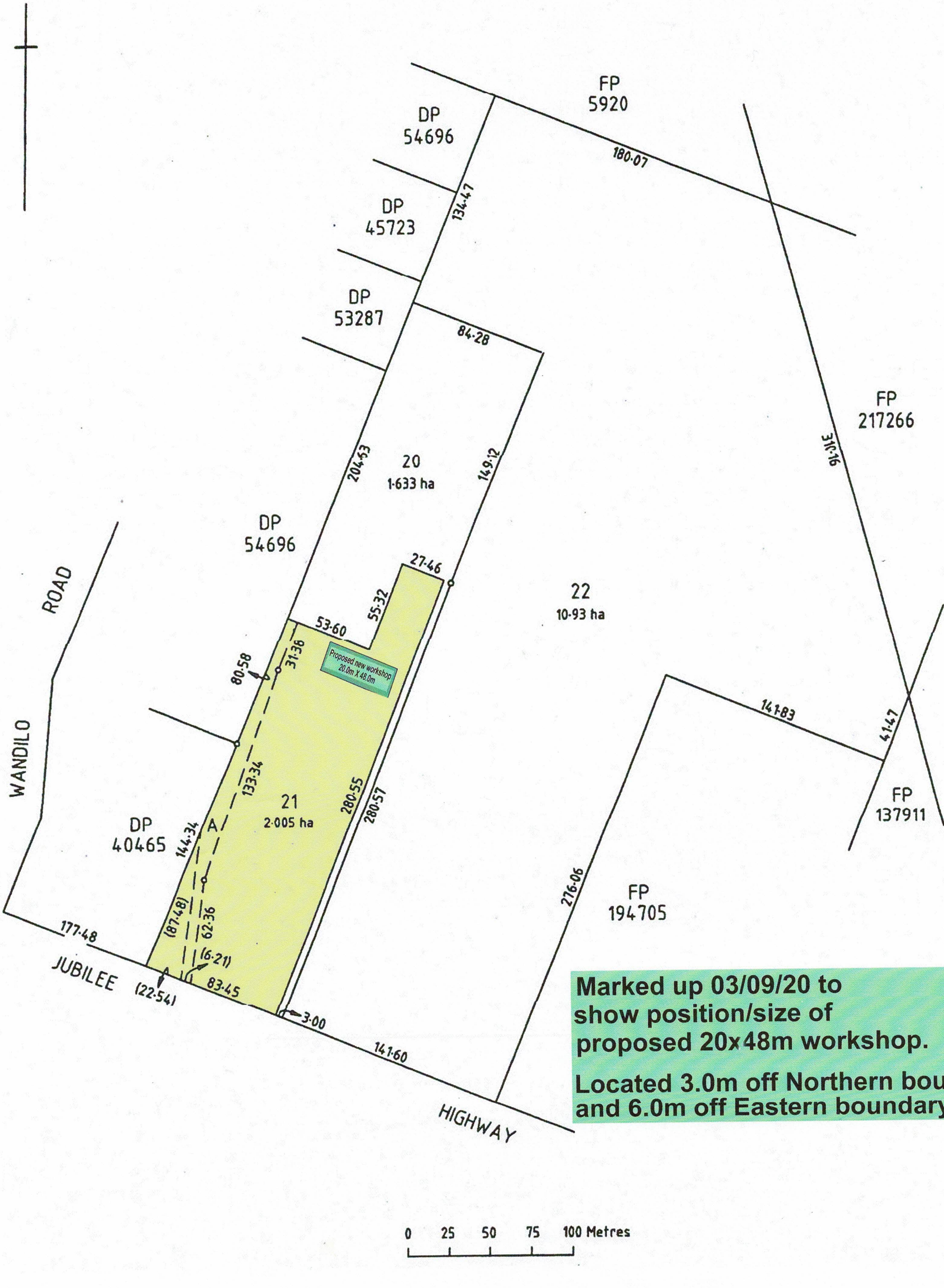
LANDS TITLES OFFICE ADELAIDE SOUTH AUSTRALIA

DIAGRAM FOR CERTIFICATE OF TITLE VOLUME 5958 FOLIO 11

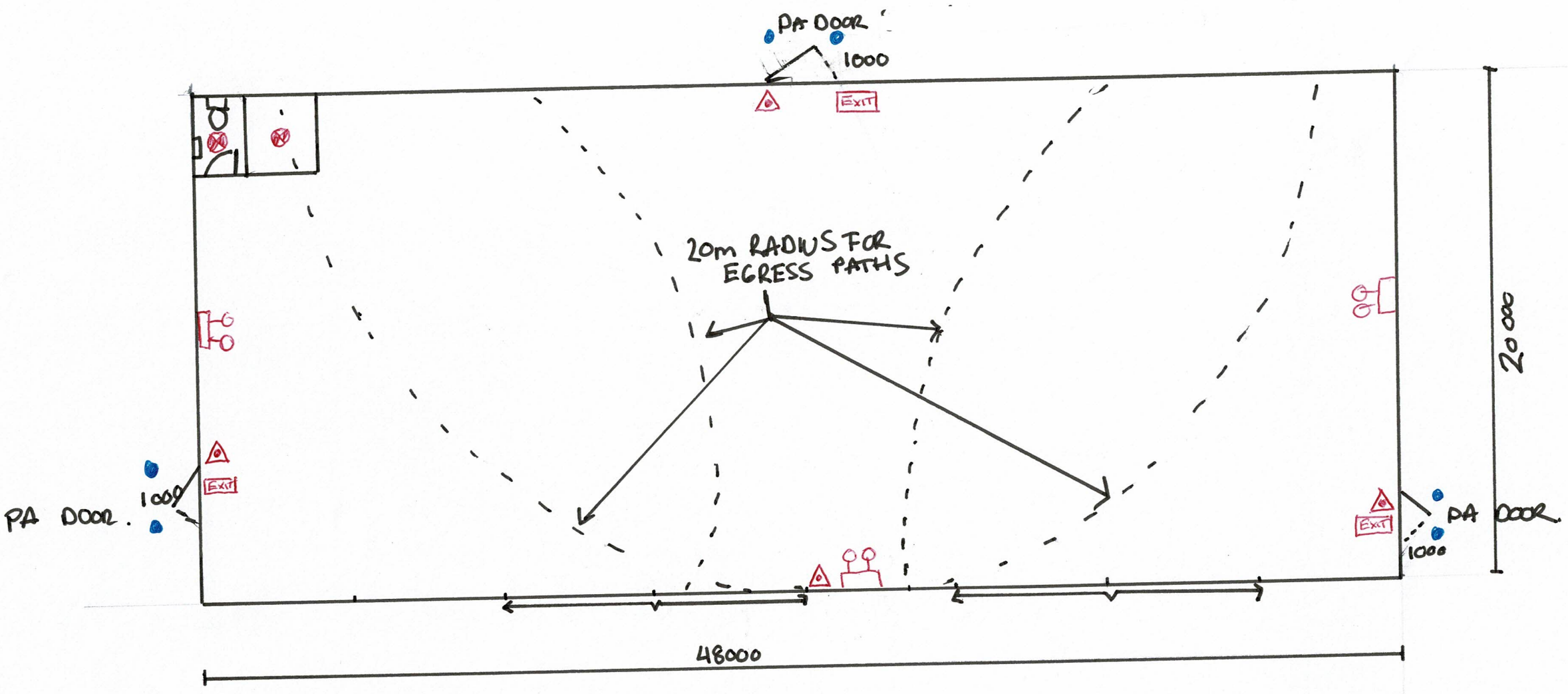
SEARCH DATE : 04/04/2006 TIME: 16:27:00

DP 69032



Marked up 03/09/20 to show position/size of proposed 20x48m workshop.

Located 3.0m off Northern boundary and 6.0m off Eastern boundary.



LEGEND

- 2A-208-E / FIREEXTINGUISHER
- EXIT - STANLITE QUICKFIT EXIT
- SELF CONTAINED EMERGENCY LIGHT UNIT
- STANLITE SURFACE MOUNT SINGLE LED SPITFIRE.
- 100NB x 950 HIGH CAPPED STEEL BOLLARD MIN 1000 FROM WALL

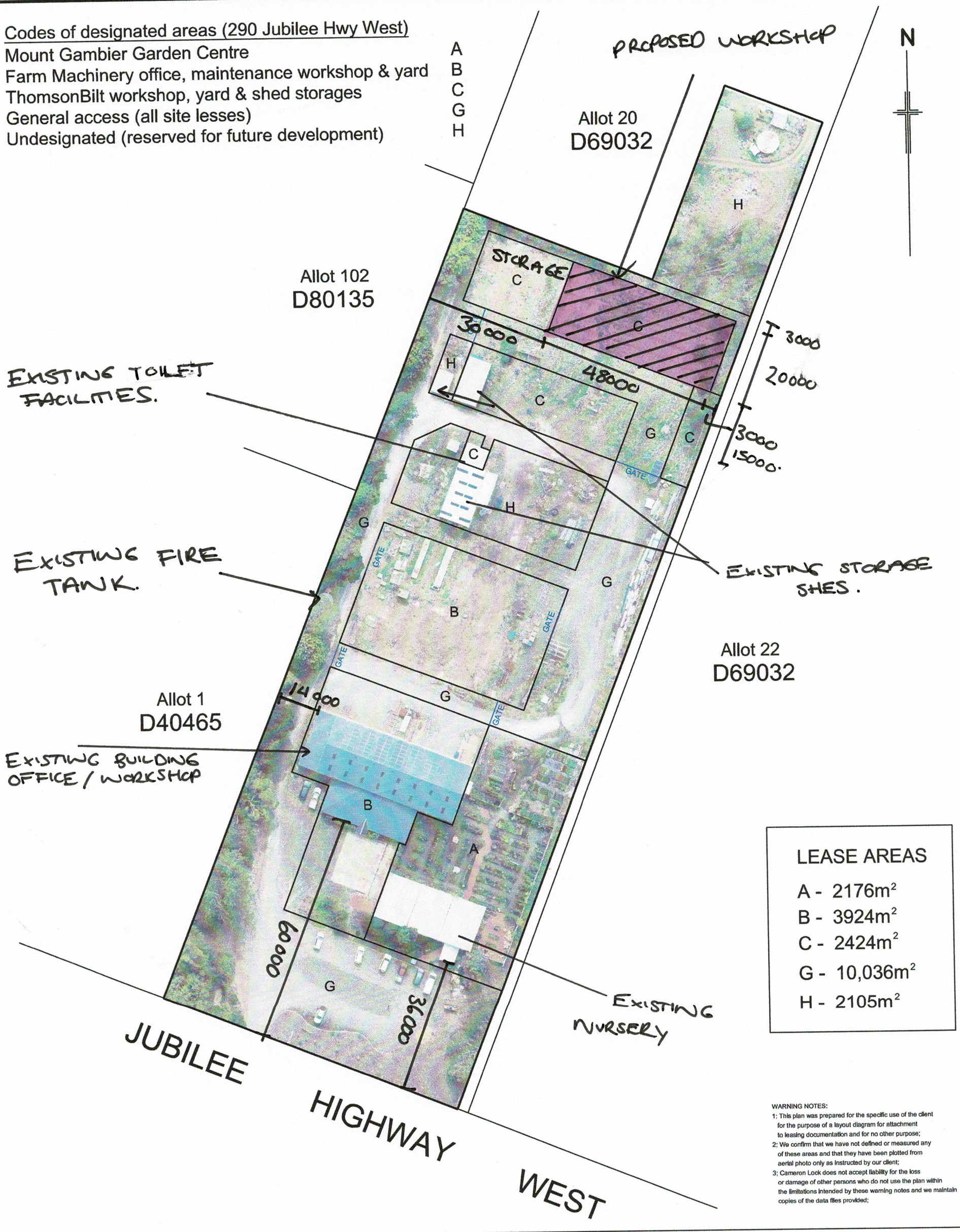
FIRE EGRESS PLAN
290 JUBILEE HIGHWAY
MOUNT GAMBIER.
48 x 20 WORKSHOP

PROPOSED 20 x 48 WORK SHOP

Received by COMG 04/09/2020

Codes of designated areas (290 Jubilee Hwy West)

Mount Gambier Garden Centre	A
Farm Machinery office, maintenance workshop & yard	B
ThomsonBilt workshop, yard & shed storages	C
General access (all site lesses)	G
Undesignated (reserved for future development)	H



LEASE AREAS

A -	2176m²
B -	3924m²
C -	2424m²
G -	10,036m²
H -	2105m²

WARNING NOTES:

1; This plan was prepared for the specific use of the client for the purpose of a layout diagram for attachment to leasing documentation and for no other purpose;

2; We confirm that we have not defined or measured any of these areas and that they have been plotted from aerial photo only as instructed by our client;

3; Cameron Lock does not accept liability for the loss or damage of other persons who do not use the plan within the limitations intended by these warning notes and we maintain copies of the data files provided;

LEGEND

GENERAL NOTES:

cameron lock SURVEYING

45 Helen St Mount Gambier SA 5290
P : 08 8725 8422
www.cameronlock.com.au

Signed _____ Surveyor

Date _____

Date of Survey 27/03/2020

NEW WORKSHOP

Allotment 21 in D69032

Jubilee Highway West Mount Gambier

290 Jubilee Highway West

	Revisions	Surveyed	Drawn	Approved	Date
2	Plan alterations	MLC	ACN	MLC	27/08/20
1	Original Plan	MLC	ACN	MLC	02/04/20

Date of Survey :

Horiz. Datum:

Origin:

Vert. Datum:

Origin STN XXXXX

RL _RL

SHEET 1 OF 1

Scale A3 1:1000

0 5 10 15 20

FILE : 27024-01 Lease Plan-Revision 2.dwg

DRAWING NUMBER 27024-01

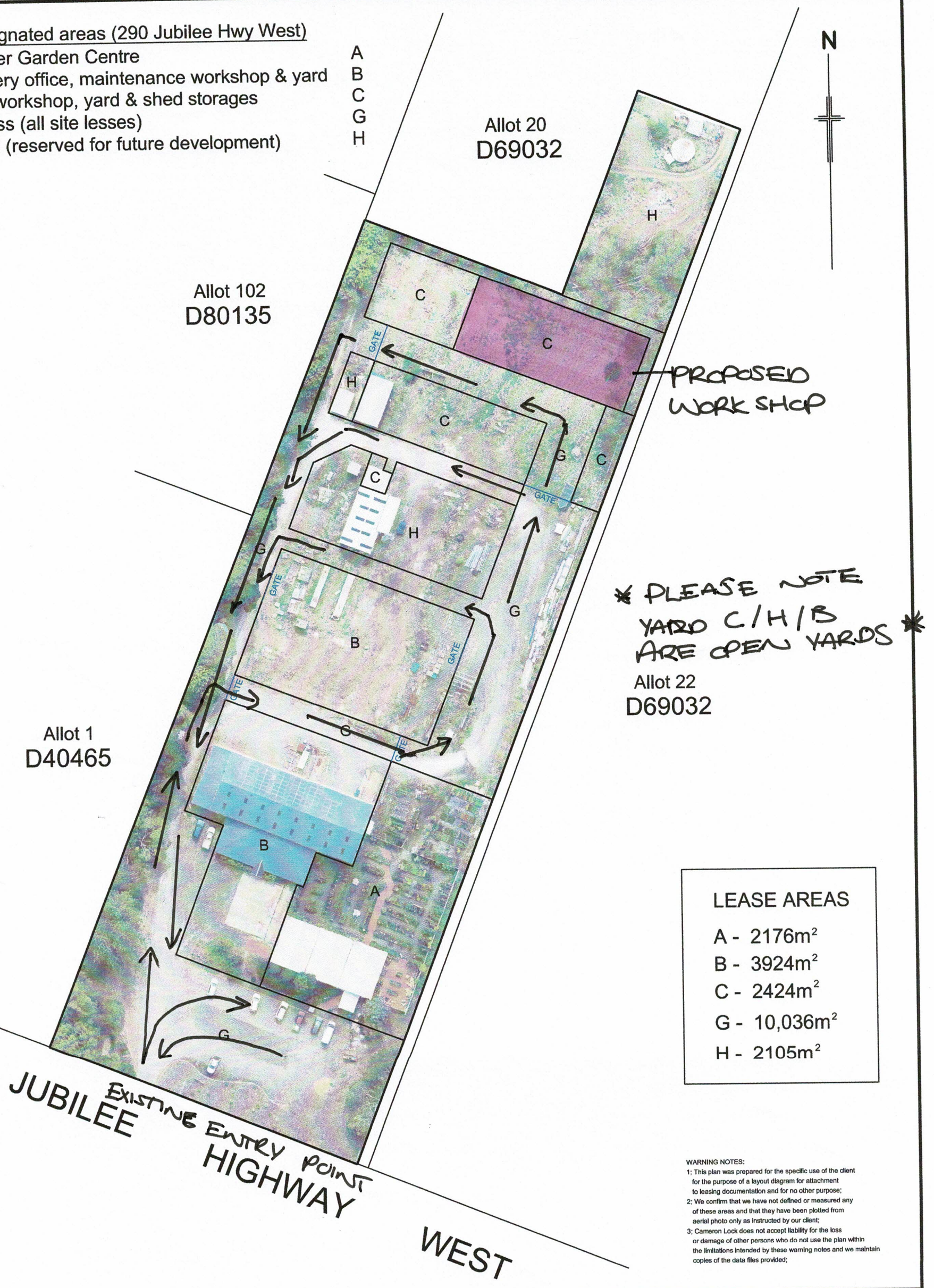
REV. 2

– TRAFFIC FLOW –

Received by COMG 04/09/2020

Codes of designated areas (290 Jubilee Hwy West)

Mount Gambier Garden Centre	A
Farm Machinery office, maintenance workshop & yard	B
ThomsonBilt workshop, yard & shed storages	C
General access (all site lesses)	G
Undesignated (reserved for future development)	H



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LEGEND

GENERAL NOTES:

cameron lock SURVEYING
45 Helen St Mount Gambier SA 5290
P : 08 8725 8422
www.cameronlock.com.au

Signed _____ Surveyor

Date _____

Date of Survey 27/03/2020

TRAFFIC FLOW

Allotment 21 in D69032

Jubilee Highway West Mount Gambier

290 Jubilee Highway West

	Revisions	Surveyed	Drawn	Approved	Date
2	Plan alterations	MLC	ACN	MLC	27/08/20
1	Original Plan	MLC	ACN	MLC	02/04/20

Date of Survey :

Horiz. Datum:

Origin:

Vert. Datum:

Origin STN XXXXX

RL _RL

SHEET 1 OF 1

Scale A3 1:1000

0 5 10 15 20

FILE : 27024-01 Lease Plan-Revision 2.dwg

DRAWING NUMBER 27024-01

REV. 2

MALPARA WORKSHOP
291 JUBILEE HIGHWAY WEST, MT. GAMBIER SA 5290
STRUCTURAL DRAWINGS

DRAWING LIST

AMENDMENTS	DATE	ISSUE	BY
ISSUED FOR APPROVAL	02.09.20	B	S.S.
ISSUED FOR APPROVAL	31.08.20	A	S.S.

FOR CONSTRUCTION
SUBJECT TO COUNCIL APPROVAL

FABRICATOR
MEGASPAN SHEDS
290 JUBILEE HWY WEST,
MT. GAMBIER SA 5290

CLIENT
MALPARA PTY LTD

PROJECT
MALPARA WORKSHOP
291 JUBILEE HIGHWAY WEST
MT. GAMBIER SA 5290

DESIGNED	DRAWN	DATE	SIZE	CAD REF
FI.T.	S.S.	31.08.20	A1	TX12805.49 - S01

TRIAXIAL CONSULTING
COMPLEX PROBLEMS RESOLVED SIMPLY

1300 874 294 | TRIAXIAL.COM.AU

71 GLEN OSMOND ROAD, EASTWOOD SA 5063
PO BOX 474, TANUNDA SA 5352

SYDNEY | ADELAIDE | DARWIN | PARRAMATTA | MUDGEE | BAROSSA

DRAWING TITLE
COVER SHEET

PROJECT No. TX12805.49 - DRAWING No. S1.01 ISSUE 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 STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT STANDARDS AUSTRALIA CODES AND LOCAL GOVERNMENT ORDINANCES FOR THE LOADINGS NOTED IN THE STRUCTURAL DESIGN CRITERIA. REFER ARCHITECTURAL DRAWINGS FOR PROPOSED FLOOR USAGE.

FOUNDATIONS

F1 FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 150 kPa. 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 MINIMUM INTO NATURAL GROUND LEVEL.

STRUCTURAL DESIGN CRITERIA

PERMANENT & IMPOSED LOADING (AS1170.1)

LC1 LOADING BASED ON USAGE

AREA	IMPOSED LOAD	SUPERIMPOSED PERMANENT LOAD
ROOF	0.25 kPa	0.0
CRANE	5 T + 5 T	0.0

WIND DESIGN CRITERIA (AS1170.2)

WC1 WIND REGION: A
IMPORTANCE LEVEL (BCA): 2
TERRAIN CATEGORY: 2
SHIELDING CLASSIFICATION: Ms = 1.0
TOPOGRAPHIC CLASSIFICATION: Mt = 1.0
REGIONAL WIND SPEED: Vu = 45 m/s
CPI: +0.1, -0.3

WC2 ROLLER SHUTTER AND OTHER DOORS SHALL BE DESIGNED AND CERTIFIED BY THE INSTALLER AND MANUFACTURER TO BE CAPABLE OF RESISTING A WIND PRESSURE OF:

AREA		PRESSURE (kPa)	SUCTION (kPa)
GENERAL PRESSURES		+1.01	-0.84
LOCAL PRESSURES (REFER AS1170.2 CL5.4.4)	WA1	+1.37	
	SA1	N/A	-1.21
	SA2	N/A	-1.57

EARTHQUAKE DESIGN CRITERIA (AS1170.4)

EC1 THE RELEVANT PROVISIONS OF AS1170.4 HAVE BEEN APPLIED FOR EARTHQUAKE DESIGN

IMPORTANCE LEVEL: 2
FOUNDING MATERIAL: Ce
HAZARD FACTOR: 0.10
DESIGN WORKING LIFE: 50 YEARS
EARTHQUAKE DESIGN CATEGORY: II

CONCRETE

C1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

C2 READYMIX CONCRETE SUPPLY SHALL COMPLY WITH AS1379.

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. CONCRETE QUALITY SPECIFICATIONS AS SHOWN ON PLAN.

C4 PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS1379.

C5 NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.

C6 CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE AS FOLLOWS UNLESS SHOWN OTHERWISE.

GRADE	ENVIRONMENT			
	EXPOSED SURFACES		AGAINST GROUND	
	INTERIOR (A2)	EXTERIOR (B1)	WITH DPM (A1)	WITHOUT DPM (A2)
25	30	60	20	30
32	25	40		25
40	20	30		20

FOOTINGS COVERED WITH A SLAB ARE CONSIDERED INTERIOR EXPOSURE. FIRE RATING REQUIREMENTS MAY MEAN INCREASED COVER. REFER TO ENGINEER.

DURABILITY REQUIREMENTS FOR CONCRETE.

EXPOSURE COVER TO AS3600:	MINIMUM CEMENT CONTENT:	MAXIMUM W/C RATIO:
A1 & A2	-	0.56
B1	320	0.56
B2	390	0.46
C	450	0.40

C7 ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT 1m MAX. CENTRES BOTH WAYS U.N.O. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS. USE PLASTIC CHAIRS IN EXPOSURE CONDITION GREATER THAN B1. MINIMUM BAR CHAIR SPACING FOR MESH REINFORCEMENT SHALL BE:

SL92, SL102, SL81, RL918: 900 CTS.
SL72, SL82, RL818: 600 CTS.

CONCRETE (CONTINUED)

C8 CONCRETE SIZES DO NOT INCLUDE THICKNESSES OF APPLIED FINISHES.

C9 DEPTHS OF BEAMS ARE GIVEN FIRST AND INCLUDE SLAB THICKNESS.

C10 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.

C11 CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.

C12 ALL CONCRETE SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.

C13 THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTIONS AND CONCRETE SHALL NOT BE DELIVERED UNTIL ENGINEERS APPROVAL IS OBTAINED.

C14 WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER.

C15 REINFORCEMENT BARS AND LIGATURES:
N_ HOT ROLLED DEFORMED BAR, GRADE 500 NORMAL DUCTILITY AS4671-DN500N

R_ HOT ROLLED ROUND BAR, GRADE 250 NORMAL DUCTILITY AS4671-R250N

W_ COLD DRAWN ROUND WIRE, GRADE 500 LOW DUCTILITY AS467-R500L

S_ POOL STEEL HOT ROLLED DEFORMED BAR, GRADE 250 NORMAL DUCTILITY AS4671-D250N

NOTE: THE UNDERSCORE REPRESENTS NOMINAL BAR DIAMETER IN ACCORDANCE WITH AS4671

REINFORCEMENT FABRIC:
SL_ SQUARE MESH, COLD DRAWN RIBBED WIRE GRADE 500, LOW DUCTILITY AS4671-D500L

RL_ RECTANGULAR MESH, COLD DRAWN RIBBED WIRE GRADE 500, LOW DUCTILITY AS4671-D500L

_L_TM TRENCH MESH, COLD DRAWN RIBBED WIRE GRADE 500, LOW DUCTILITY AS4671-D500L

NOTE: THE UNDERSCORE REPRESENTS VARYING SPECIFICATIONS IN ACCORDANCE WITH AS4671

C16 REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.

C17 SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER. LAPS SHALL BE IN ACCORDANCE WITH AS3600 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR.

C18 STANDARD LAP AND COG LENGTHS UNLESS NOTED OTHERWISE ON DRAWINGS:

BAR DIAMETER	MIN. LAP LENGTH (mm)	MIN. COG LENGTH (mm)
N12	500	180
N16	750	210
N20	1000	260
N24	1375	310
N28	1560	360
N32	1810	400

STRUCTURAL STEEL

S1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS4100 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

S2 UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE IN ACCORDANCE WITH AS3678 GRADE 250, OR AS3679 GRADE 300, OR AS1163 GRADE 350 AS APPROPRIATE.

S3 STRUCTURAL STEELWORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS/NZS5131 FOR A CONSTRUCTION CATEGORY OF CC2.

S4 ELECTRONIC PDF 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.

S5 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 AS1111. SNUG TIGHTENED. 8.8/S DENOTES HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252. SNUG TIGHTENED. 8.8/TB DENOTES HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252. FULLY TENSIONED TO AS4100 AS A BEARING TYPE JOINT. 8.8/TF DENOTES HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252 FULLY TENSIONED TO AS4100 AS A FRICTION TYPE JOINT WITH FACING SURFACES LEFT UNCOATED.

S6 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.

S7 FULLY TENSIONED BOLTS TO BE INSTALLED IN ACCORDANCE WITH SECTION 15 OF AS4100, USING THE PART-TURN OR THE DIRECT-TENSION INDICATOR METHOD.

S8 FILLET WELDS SHALL BE 6mm CONTINUOUS, CATEGORY SP, USING ELECTRODES IN ACCORDANCE WITH AS1554.1 U.N.O. BUTT WELDS SHALL BE COMPLETE PENETRATION BUTT WELDS IN ACCORDANCE WITH AS1554.1.
ALL OTHER WELDS SHALL BE IN ACCORDANCE WITH AS1554.1.
WELD CATEGORY:
PURLIN AND GIRT CLEATS: GP (E48XX)
ALL OTHER U.N.O.: SP (E48XX)

S9 ALL WELDS SHALL BE INSPECTED IN ACCORDANCE WITH AS1554.1, THE EXTENT OF NON DESTRUCTIVE EXAMINATION SHALL COMPLY WITH AS1554.1. DEFECTIVE WELDS SHALL BE REPAIRED OR REPLACED IN ACCORDANCE WITH AS1554.1

S10 PROVIDE SEAL PLATES TO THE ENDS OF ALL HOLLOW SECTIONS, WITH "BREATHER" HOLES IF MEMBERS TO BE HOT DIP GALVANISED.

S11 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.

S12 STRUCTURAL STEELWORK BELOW GROUND NOT ENCASED IN CONCRETE: AS2312.1 SYSTEM: EVH3
ABRASIVE BLAST CLEAN TO AS1627.4 CLASS 2.5
TWO COATS 250 MICRON DULUX DUREBILD HSE OR EQUIV.

S13 STRUCTURAL STEELWORK BELOW GROUND ENCASED IN CONCRETE SHALL BE UNPAINTED. 75mm MINIMUM CONCRETE THICKNESS FROM STEEL. 25MPa CONCRETE.

S14 COLD ROLLED PURLINS/GIRTS ARE TO BE INSTALLED COMPLETE WITH BRIDGING ETC IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

S15 STRUCTURAL STEELWORK NOT ENCASED IN CONCRETE SHALL HAVE THE FOLLOWING SURFACE TREATMENT IN ACCORDANCE WITH THE SPECIFICATION:

INTERNAL - AS2312.1-2014 SYSTEM: IZS1/2
ABRASIVE BLAST CLEAN AS1627.4 CLASS 2.5
1 COAT 75 MICRON INORGANIC ZINC SILICATE COMPATIBLE TOP COAT IF REQUIRED.

EXTERNAL (WAREHOUSE) - AS2312.2-2014: HDG600
CLEAN STEELWORK BY REMOVING ALL CARBONACEOUS FILMS (OIL, GREASE, PAINT, WELDING SLAG, ETC.) PRIOR TO PICKLING. HOT DIP GALVANISE TO MIN. 85 MICRON IN ACCORDANCE WITH AS4680-2006.

PURLINS & GIRTS - AS2312.2-2014 SYSTEM: Z350
HOT DIP ZINC COATED SHEET IN ACCORDANCE WITH AS1397-2011.

STRUCTURAL STEEL (CONTINUED)

S16 ALL GALVANISING OF STRUCTURAL STEELWORK SHALL BE PROCESSED IN ACCORDANCE WITH AS4680/2006 'GALVANIZED COATINGS ON FABRICATED FERROUS ARTICLES'. THE CONTINUOUS AVERAGE ZINC COATING MASS TO BE 600G/M² (550G/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.

COLD-FORMED STRUCTURAL STEEL

CF1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS4600 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS

CF2 UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE IN ACCORDANCE WITH AS1163, AS1397 (EXCLUDING GRADE G550, LESS THAN 0.9mm IN THICKNESS), AS/NZS 1594, AS/NZS 1595 AND AS/NZS 3678, AS APPROPRIATE.

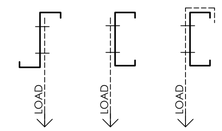
CF3 BOLTS ARE DESIGNATED ON THE DRAWINGS BY THE NUMBER, DIAMETER, GRADE AND TIGHTENING PROCEDURE. STEEL BOLTS, NUTS AND WASHERS SHALL COMPLY WITH AS1110.1, AS1111.1, AS1112.1, AS1112.2, AS1112.3, AS1112.4, AS/NZS 1252, AS/NZS 1559 AND AS 4291.1 (ISO 898-1), AS APPROPRIATE.

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.

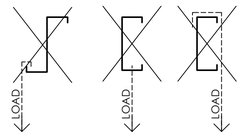
CF5 FILLET WELDS SHALL BE 3mm CONTINUOUS USING ELECTRODES AS1554.1 U.N.O BUTT WELDS SHALL BE COMPLETE PENETRATION BUTT WELDS IN ACCORDANCE WITH AS1554.1. ALL WELDS AND WELD TESTING, INCLUDING EXTEND OF NON-DESTRUCTIVE EXAMINATION AND REPAIR OF DEFECTIVE WELDS SHALL BE IN ACCORDANCE WITH AS1554.1.

PURLIN LOADING

PL1 THE SUSPENSION OF CEILINGS, SERVICES ETC FROM PURLINS SHALL BE IN ACCORDANCE WITH THE APPROVED METHODS DETAILED BELOW;



APPROVED



NOT APPROVED

NOTE:
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NOTE:
ALL EXPOSED STEELWORK TO BE HOT DIP GALVANISED

NOTE:
ALL BOLTS TO BE GRADE 8.8/S U.N.O.
ALL BOLTED CONNECTIONS TO BE 10 FIN PLATE + 2M20 BOLTS U.N.O.

AMENDMENTS	DATE	ISSUE	BY
ISSUED FOR APPROVAL	31.08.20	A	S.S.

FOR CONSTRUCTION
SUBJECT TO COUNCIL APPROVAL

FABRICATOR
MEGASPAN SHEDS
290 JUBILEE HWY WEST,
MT. GAMBIER SA 5290

CLIENT
MALPARA PTY LTD

PROJECT
MALPARA WORKSHOP
291 JUBILEE HIGHWAY WEST
MT. GAMBIER SA 5290

DESIGNED	DRAWN	DATE	SIZE	CAD REF
FI.T.	S.S.	31.08.20	A1	TX12805.49 - S01

TRIAXIAL CONSULTING
COMPLEX PROBLEMS RESOLVED SIMPLY

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71 GLEN OSMOND ROAD, EASTWOOD SA 5063
PO BOX 474, TANUNDA SA 5352

SYDNEY | ADELAIDE | DARWIN | PARRAMATTA | MUDGEE | BAROSSA

DRAWING TITLE
GENERAL NOTES

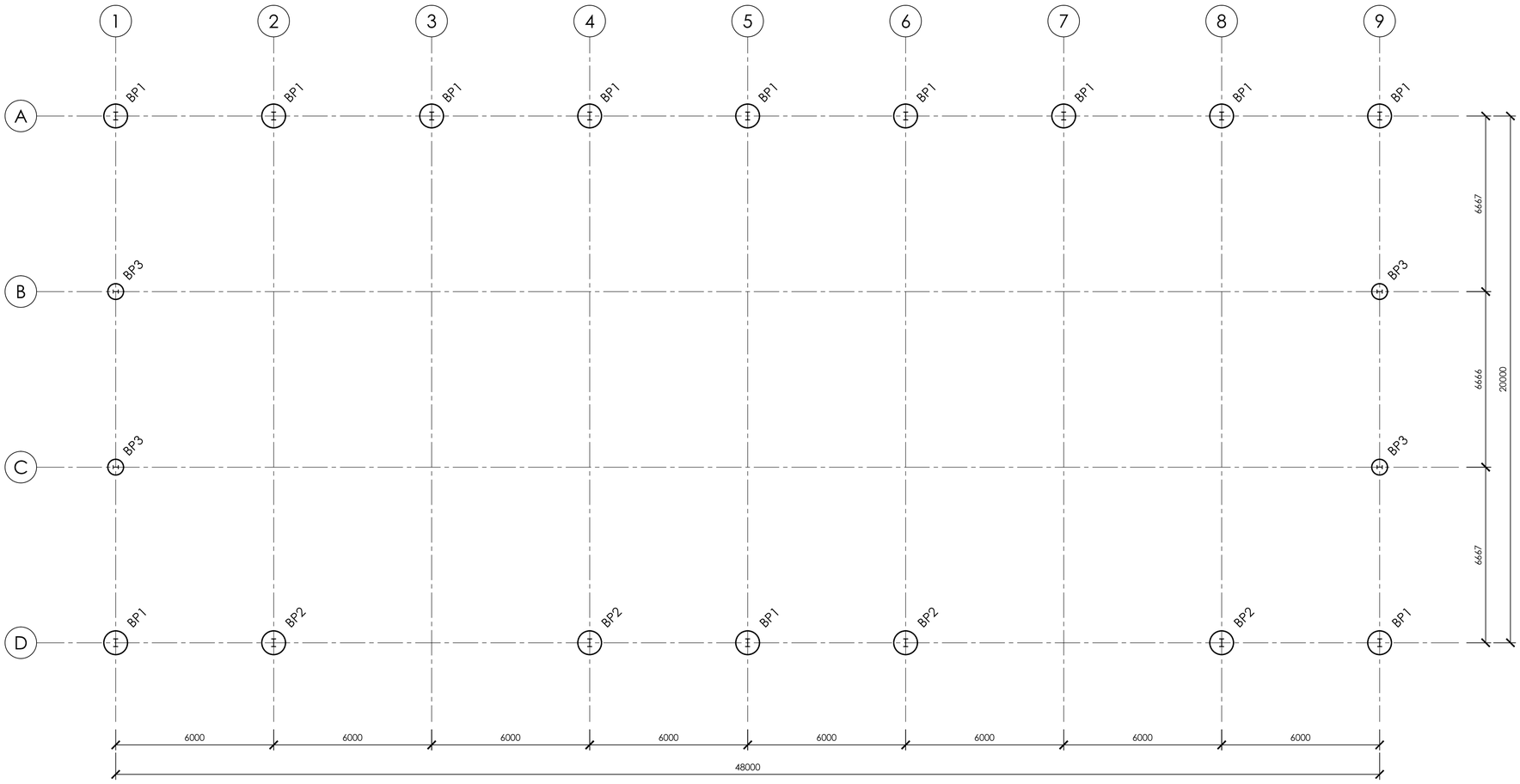
PROJECT No. TX12805.49 - DRAWING No. S1.02 ISSUE A

FOOTING SCHEDULE

MARK	TYPE	SIZE (MINIMUM)	REINFORCEMENT
BP1	BORED PIER	Ø900 × 1600 DEEP	N.A. MASS CONCRETE
BP2	BORED PIER	Ø900 × 1800 DEEP	N.A. MASS CONCRETE
BP3	BORED PIER	Ø600 × 900 DEEP	N.A. MASS CONCRETE

FOOTING CONCRETE QUALITY

ELEMENT	AS3600 EXPOSURE CLASS.	AS1379 CONCRETE CLASS.	f'c (MPa) CHARACTERISTIC COMPRESSIVE STRENGTH	CEMENT TYPE	ADMIXTURES	MAX. AGGREGATE SIZE (mm)	SLUMP	REMARKS
BORED PIERS	A2	N	25	GP	NIL	20	80	



FOOTING PLAN

SCALE 1:100 AT A1

FOOTING NOTES:

- TOP OF FOOTING LEVEL TO BE ADVISED BY CLIENT.
- LOCALLY DEEPEN FOOTINGS TO ACHIEVE MINIMUM 50 CONCRETE COVER TO ALL ANCHOR BOLTS & CAST-IN ITEMS
- FOOTINGS TO BE FOUNDED 200 MIN. INTO NATURAL GROUND WITH MINIMUM 150 kPa ALLOWABLE BEARING CAPACITY. DEEPEN FOOTINGS AS REQUIRED OR REFER TO ENGINEER. ALTERNATIVE: FOOTINGS TO BE FOUNDED 200 MINIMUM INTO LEVEL 1 CONTROLLED FILL WITH MINIMUM 100kPa ALLOWABLE BEARING CAPACITY.
- ALL STRUCTURAL STEELWORK TO BE CONCRETE ENCASED OR HAVE APPROPRIATE PROTECTION COATING IN ACCORDANCE WITH AS2312.1/.2, PRIOR TO BACKFILLING. REFER TO STRUCTURAL STEEL NOTES.
- ALL FOOTING REINFORCEMENT TO HAVE 50 MINIMUM CLEAR CONCRETE COVER

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

SCALE 1:100 AT A1 SHEET | 1:200 AT A3 SHEET

ISSUED FOR APPROVAL 31.08.20 A S.S.
AMENDMENTS DATE ISSUE BY

FOR CONSTRUCTION
SUBJECT TO COUNCIL APPROVAL

FABRICATOR
MEGASPAN SHEDS
290 JUBILEE HWY WEST,
MT. GAMBIER SA 5290

CLIENT
MALPARA PTY LTD

PROJECT
MALPARA WORKSHOP
291 JUBILEE HIGHWAY WEST
MT. GAMBIER SA 5290

DESIGNED F.I.T. | DRAWN S.S. | DATE 31.08.20 | SIZE A1 | CAD REF TX12805.49 - S01

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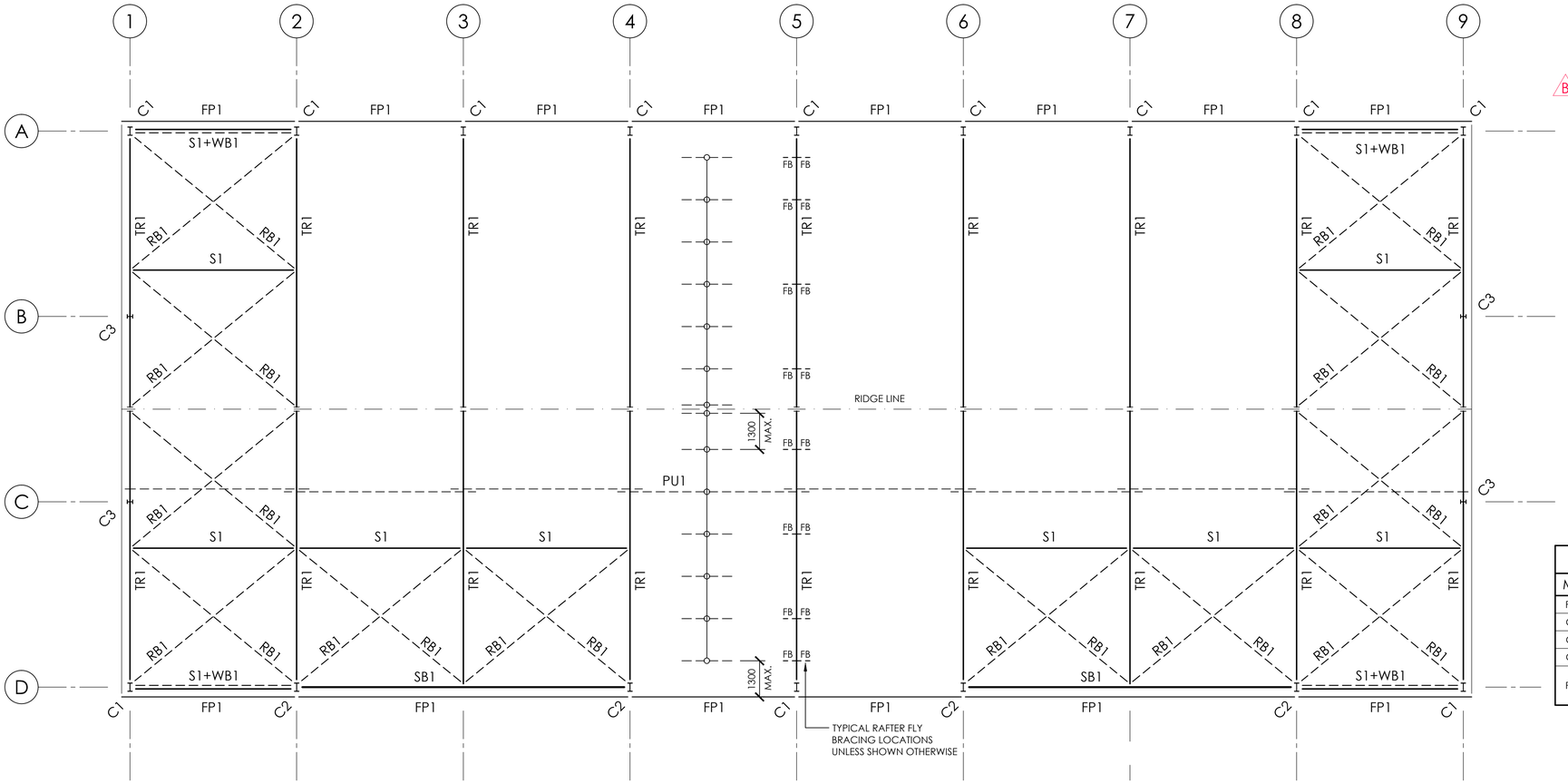
PO BOX 474, TANUNDA SA 5352

SYDNEY | ADELAIDE | DARWIN | PARRAMATTA | MUDGEE | BAROSSA

DRAWING TITLE
FOOTING PLAN

PROJECT No. TX12805.49 - DRAWING No. S2.01 ISSUE A



ROOF STEELWORK PLAN

SCALE 1:100 AT A1

PURLIN/GIRT SETOUT NOTE:

THE PURLIN/GIRT LAYOUT SHOWN IS DIAGRAMMATIC ONLY.
THE PURLIN/GIRT CENTRES NOMINATED ARE MAXIMUM AND MAY NEED TO BE REDUCED TO COMPLY WITH SUPPORT SPACING REQUIRED BY ROOF SHEET MANUFACTURER AND/OR FOR ARCHITECTURAL FINISHES ETC. REFER TO ARCHITECTURAL DOCUMENTATION FOR TYPE AND THICKNESS OF ROOF SHEETING AND FINISHES.
THE FABRICATOR SHALL DETERMINE THE TOTAL NUMBER OF PURLIN/GIRT RUNS REQUIRED.
THE TOTAL NUMBER OF PURLIN/GIRT RUNS REQUIRED SHALL BE BASED ON THE WRITTEN INFORMATION CONTAINED ON STRUCTURAL AND ARCHITECTURAL DOCUMENTATION.
THE FABRICATOR SHALL PROVIDE ALL TRIMMING ANGLES REQUIRED FOR THE SUPPORT OF BOX GUTTERS, FLASHING ETC. AND THE EDGE AND END SUPPORT OF ROOF AND WALL SHEETING.

PORTAL DESIGN CRITERIA NOTE:

THE PORTAL FRAME HAS BEEN DESIGNED FOR THE FOLLOWING LOADING CONDITIONS IN ADDITION TO THE NOTED WIND AND EARTHQUAKE DESIGN CRITERIA:

TYPE	LOAD (kPa)
PERMANENT LOAD	0.10 (GENERAL AREAS)
IMPOSED LOADS	0.25 (NON-TRAFFICABLE)

ROD BRACING NOTE:

ALL ROD BRACING TO BE CLIPPED TO UNDERSIDE OF ROOF PURLINS

STEELWORK MEMBER SCHEDULE

MARK	MEMBER	SIZE	REMARKS
C1	COLUMN	360 UB 45	
C2	COLUMN	360 UB 51	
C3	COLUMN	200 UB 22	
CB1	CRANE BEAM	700 WB 173 + 2/380 PFC	12m SPAN CRANE BEAM
CB2	CRANE BEAM	360 UB 57 + 300 PFC	6m SPAN CRANE BEAM
CS1	CRANE BEAM SUPPORT	360 UB 45	
DH1	DOOR HEADER	300 PFC	
FB	FLY BRACING	50×50×3.0 EA	REFER TO DETAIL
RB1	ROOF BRACING	M16 4.6/S THREADED ROD	
S1	STRUT	75×75×3.5 SHS	
TM1	TRIMMER	C150-15	
WB1	WALL BRACING	M16 4.6/S THREADED ROD	

B

TRUSS MEMBER SCHEDULE TR1

MARK	MEMBER	SIZE
BC1	BTM. CHORD	89×89×5.0 SHS
TC1	TOP CHORD	89×89×5.0 SHS
WE1	WEB	50×50×3.0 SHS
NOTE: TR1 DEPTH = 600mm		

SPAN BEAM MEMBER SCHEDULE SB1

MARK	MEMBER	SIZE
BC2	BTM. CHORD	125×125×6.0 SHS
TC2	TOP CHORD	125×125×5.0 SHS
WE2	WEB	50×50×3.0 SHS
NOTE: SB1 DEPTH = 600mm		

PURLIN/GIRT SCHEDULE

MARK	MEMBER	SIZE	CENTRES	LAP	BRIDGING
FP1	FASCIA PURLIN	C150-19	-	-	1 ROW
GU1	WALL GIRTS	Z150-15	1700 MAX.	900 MIN.	1 ROW + GIRT FEET
GU2	WALL GIRTS	Z150-19	1700 MAX.	900 MIN.	1 ROW + GIRT FEET
GU3	WALL GIRTS	Z150-24	1700 MAX.	SINGLE SPAN	2 ROWS + GIRT FEET
PU1	ROOF PURLINS	Z150-15	FIRST PURLIN BAY AT EAVES & RIDGE TO BE 1300 MAX. INTERNAL BAYS AT 1600 MAX. CTS.	900 MIN.	1 ROW

CLADDING SPECIFICATION

ROOF: TRIMDEK 0.42 BMT
WALL: TRIMDEK 0.42 BMT
INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS

NOTE:

CONFIRM ALL DIMENSIONS WITH ARCHITECT DRAWINGS. ARCHITECT DRAWINGS TO TAKE PRECEDENCE.

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

SCALE 1:100 AT A1 SHEET | 1:200 AT A3 SHEET

AMENDMENTS	DATE	ISSUE	BY
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ISSUED FOR APPROVAL	31.08.20	A	S.S.

FOR CONSTRUCTION
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DESIGNED	DRAWN	DATE	SIZE	CAD REF
FI.T.	S.S.	31.08.20	A1	TX12805.49 - S01

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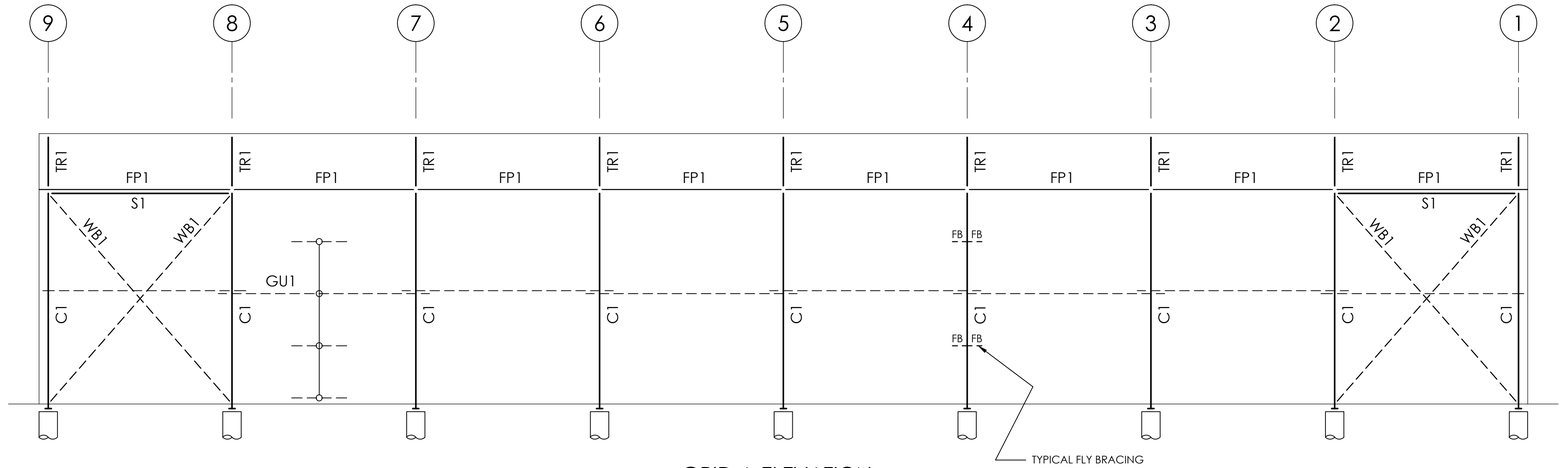
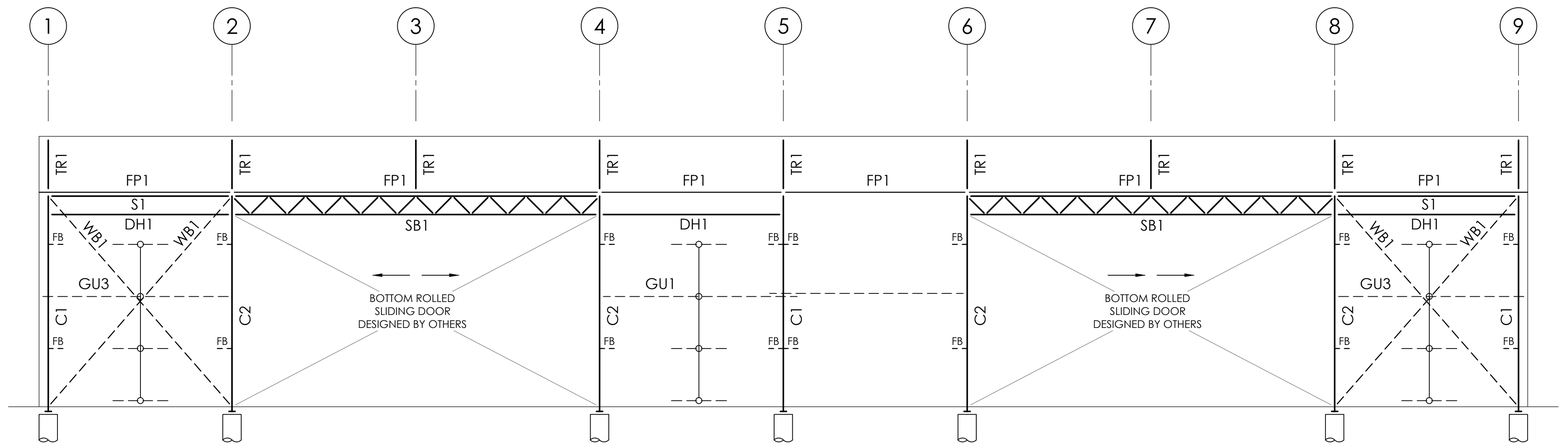
DRAWING TITLE
ROOF STEELWORK PLAN

PROJECT No.	DRAWING No.	ISSUE
TX12805.49 -	S3.01	B



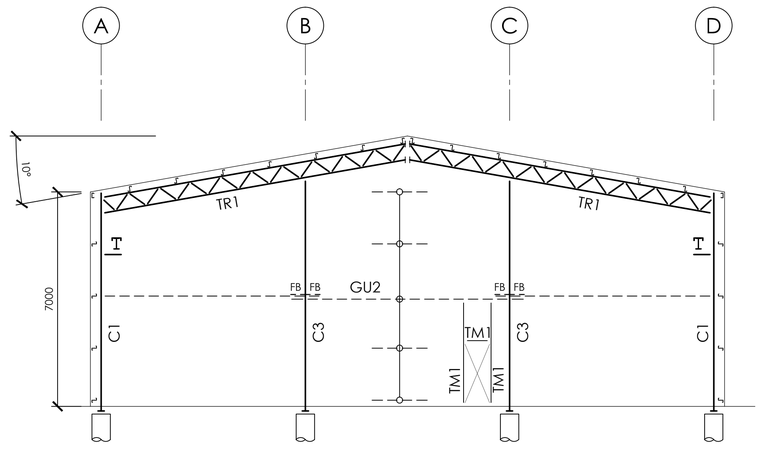
GRID A ELEVATION

SCALE 1:100 AT A1



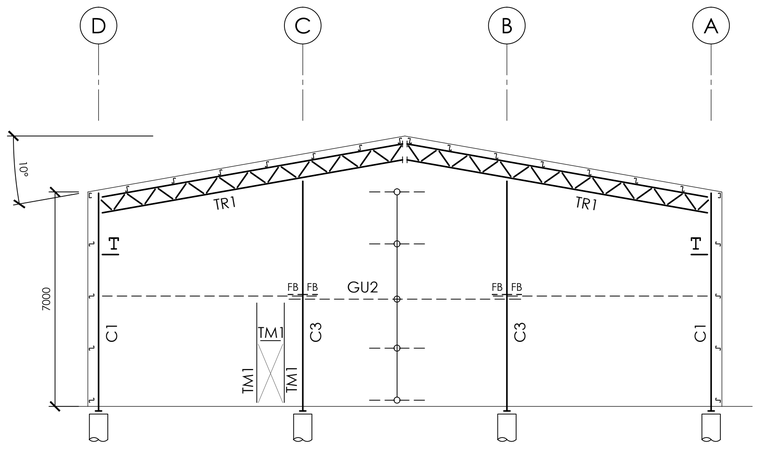
GRID D ELEVATION

SCALE 1:100 AT A1



GRID 1 ELEVATION

SCALE 1:100 AT A1



GRID 9 ELEVATION

SCALE 1:100 AT A1

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

SCALE 1:100 AT A1 SHEET | 1:200 AT A3 SHEET

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DESIGNED	DRAWN	DATE	SIZE	CAD REF
FI.T.	S.S.	31.08.20	A1	TX12805.49 - S01

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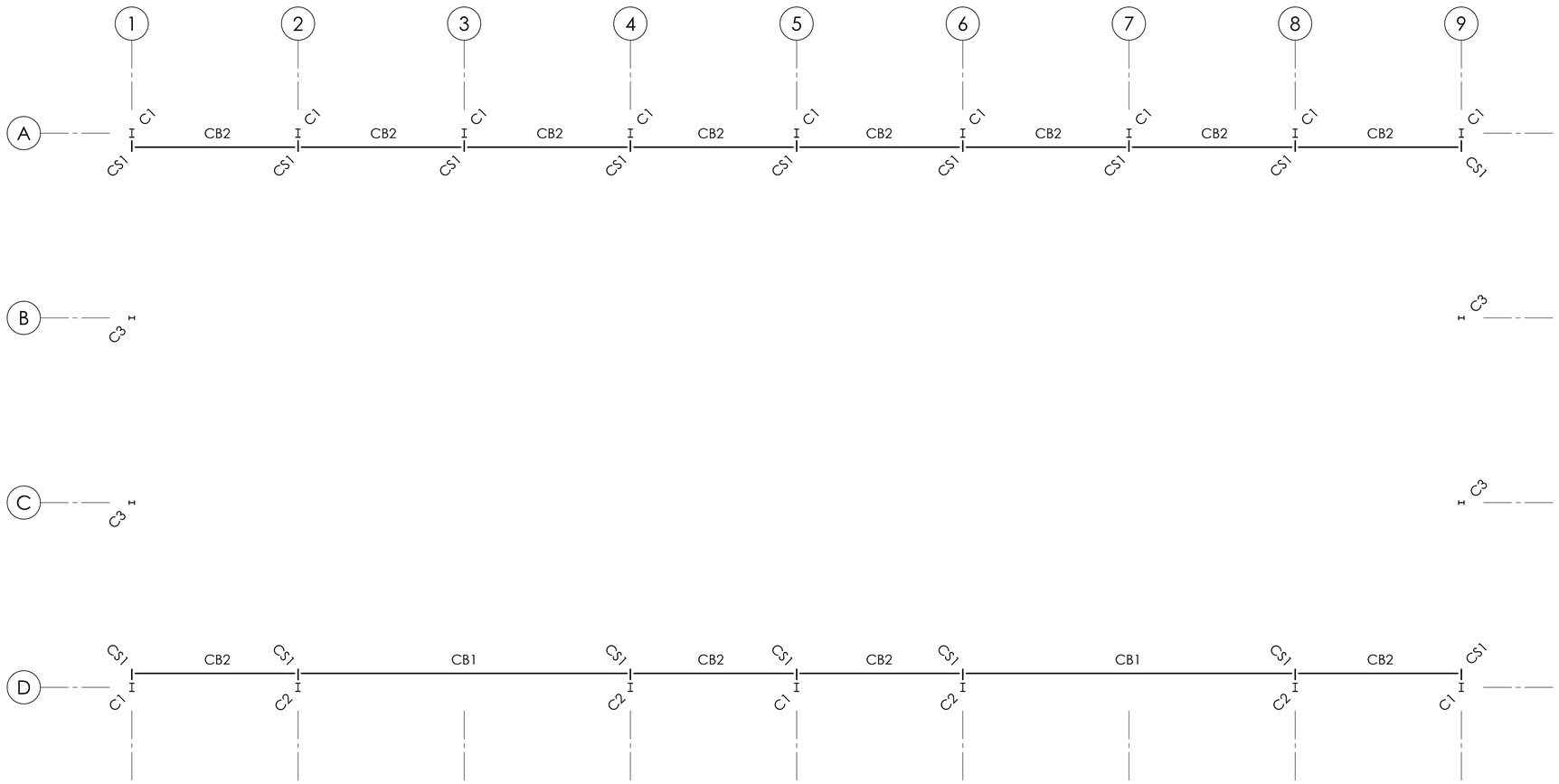
DRAWING TITLE
STEELWORK ELEVATIONS

PROJECT No. TX12805.49 - DRAWING No. S3.02 ISSUE A



CRANE LAYOUT PLAN

SCALE 1:100 AT A1

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

SCALE 1:100 AT A1 SHEET | 1:200 AT A3 SHEET

ISSUED FOR APPROVAL 02.09.20 A S.S.
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CLIENT
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DESIGNED	DRAWN	DATE	SIZE	CAD REF
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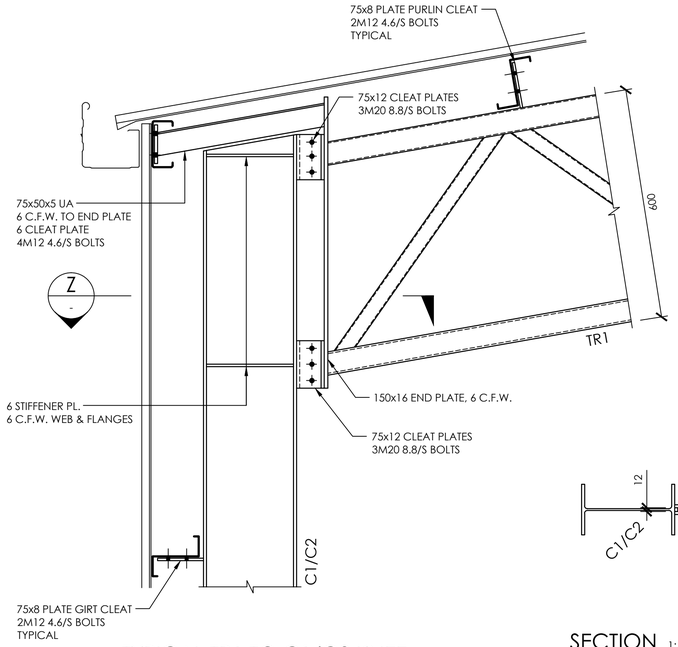
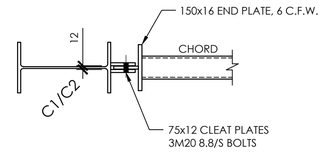
DRAWING TITLE
CRANE LAYOUT PLAN

PROJECT No. TX12805.49 - DRAWING No. S3.03 ISSUE A

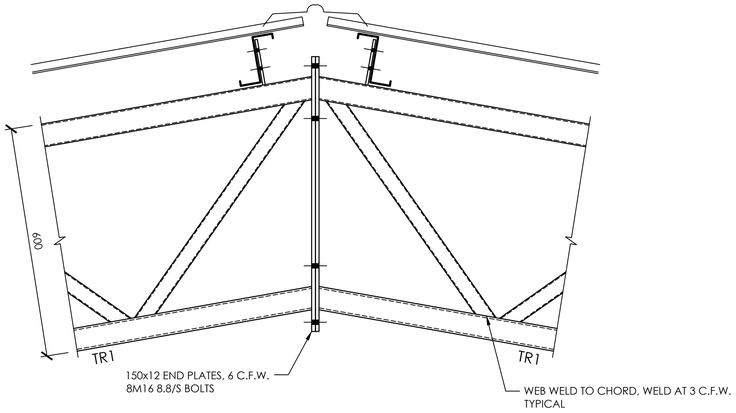


TYPICAL TR1 TO C1/C2 KNEE CONNECTION DETAIL

SCALE 1:10 AT A1

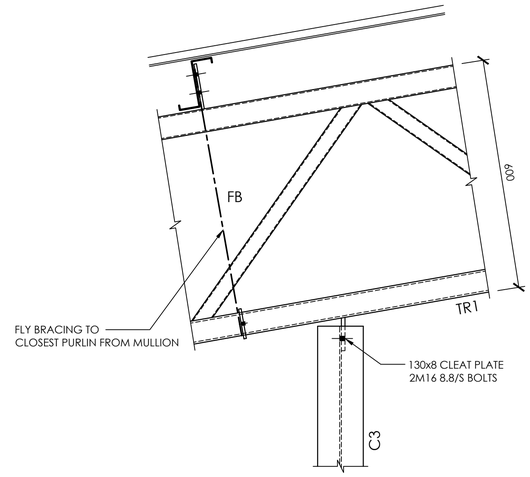


SECTION 1:10 AT A1 (Z / -)



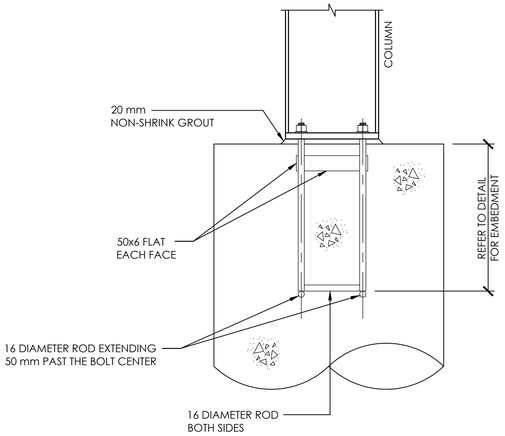
TYPICAL TR1 TO TR1 RIDGE CONNECTION DETAIL

SCALE 1:10 AT A1



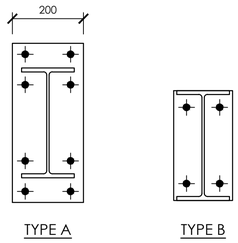
TYPICAL END WALL COLUMN CONNECTION DETAIL

SCALE 1:10 AT A1



TYPICAL BASE PLATE DETAIL ELEVATION

SCALE 1:10 AT A1



COLUMN BASE PLATE DETAIL ON FOOTINGS

SCALE 1:10 AT A1

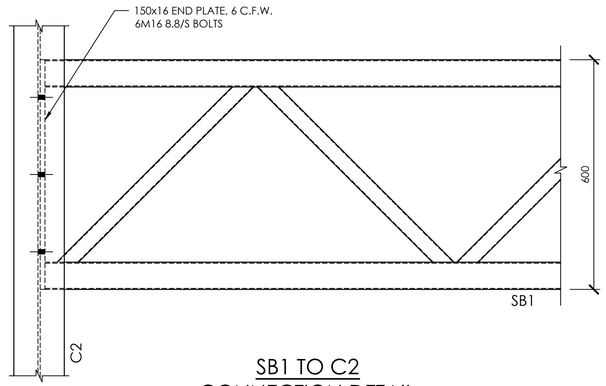
NOTE:
6 C.F.W. CATEGORY SP TO COLUMN FLANGES (U.N.O.)
6 C.F.W. CATEGORY SP TO COLUMN TO WEB (U.N.O.)
ALL BASE PLATE GROUT TO BE HIGH-STRENGTH, NON-SHRINK GROUT (>50 MPa)

COLUMN BASE PLATE SCHEDULE

MEMBER	BASE PLATE			ANCHORS		REMARKS
	TYPE	THICKNESS	GROUT	ANCHOR BOLTS	TYPE (REFER SPEC.)	
C1	A	20mm	20mm	8M20 4.6/S	CAST-IN	
C2	A	20mm	20mm	8M20 4.6/S	CAST-IN	
C3	B	16mm	20mm	4M16 4.6/S	CAST-IN	

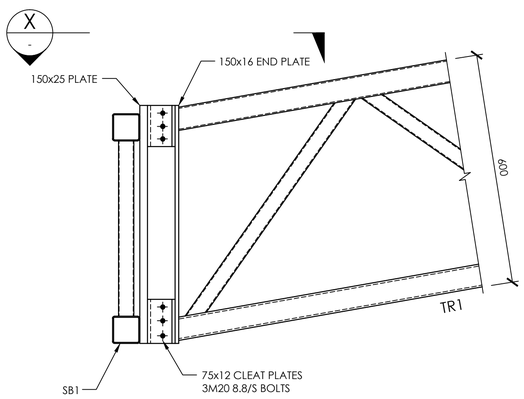
ANCHOR SPECIFICATIONS

TYPE	ANCHOR	EMBEDMENT	COG	REMARKS
CAST-IN BOLTS	M16 4.6/S	550	N/A	
	M20 4.6/S	690	N/A	



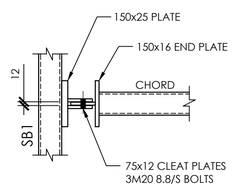
SB1 TO C2 CONNECTION DETAIL

SCALE 1:10 AT A1



TR1 TO SB1 CONNECTION DETAIL

SCALE 1:10 AT A1



SECTION 1:10 AT A1 (X / -)

0 200 400 600 800 1000mm

SCALE 1:10 AT A1 SHEET | 1:20 AT A3 SHEET

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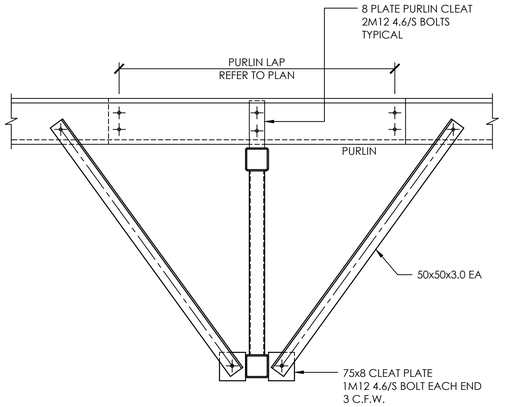
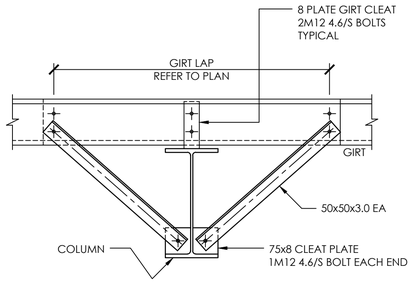
DRAWING TITLE
STEELWORK DETAILS
SHEET 1

PROJECT No. TX12805.49 | DRAWING No. S4.01 | ISSUE A



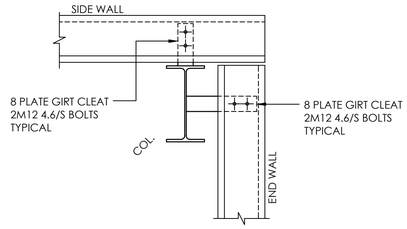
TYPICAL FLY BRACING (FB) DETAIL (FOR TRUSS)

SCALE 1:10 AT A1
DENOTED FB ON PLAN



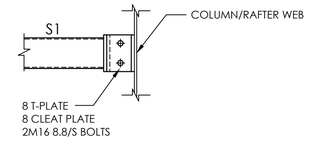
TYPICAL FLY BRACING (FB) DETAIL (FOR COLUMN)

SCALE 1:10 AT A1
DENOTED FB ON ELEVATIONS



TYPICAL COLUMN CORNER DETAIL

SCALE 1:10 AT A1



TYPICAL STRUT END CONNECTION DETAIL

SCALE 1:10 AT A1

TYPICAL BRACING END CONNECTION DETAIL

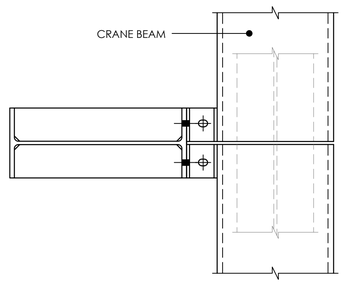
NTS

TYPICAL DH1 TO COLUMN CONNECTION DETAIL

SCALE 1:10 AT A1

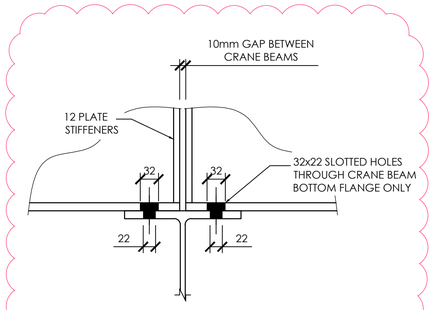
TYPICAL CRANE BEAM CONNECTION DETAIL

NTS



A - A

NTS



B - B

NTS

B

0 200 400 600 800 1000mm

SCALE 1:10 AT A1 SHEET | 1:20 AT A3 SHEET

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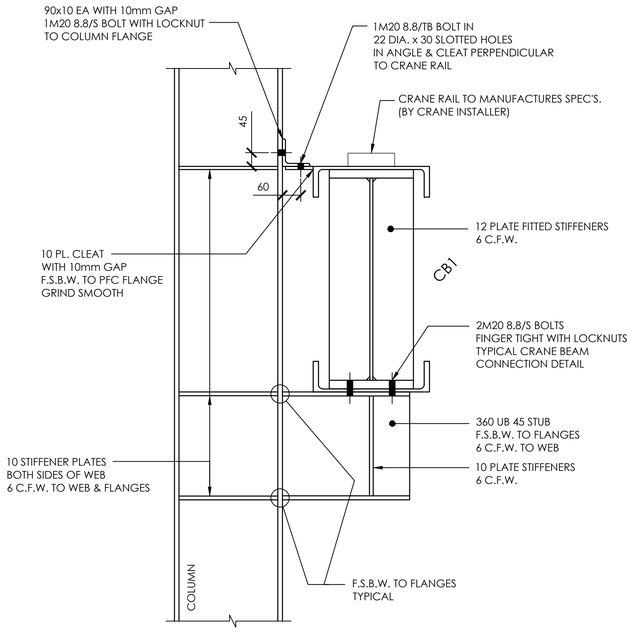
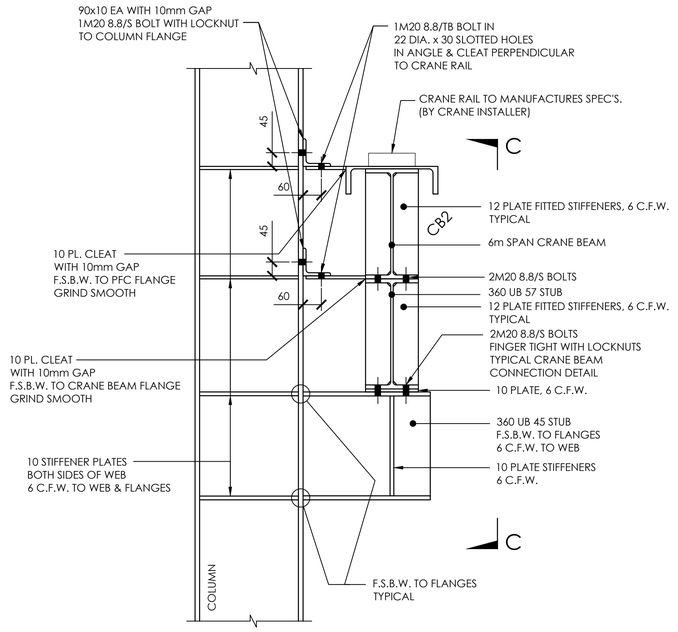
DRAWING TITLE
STEELWORK DETAILS
SHEET 2

PROJECT No.	DRAWING No.	ISSUE
TX12805.49	S4.02	B



12m SPAN CRANE BEAM CONNECTION DETAIL

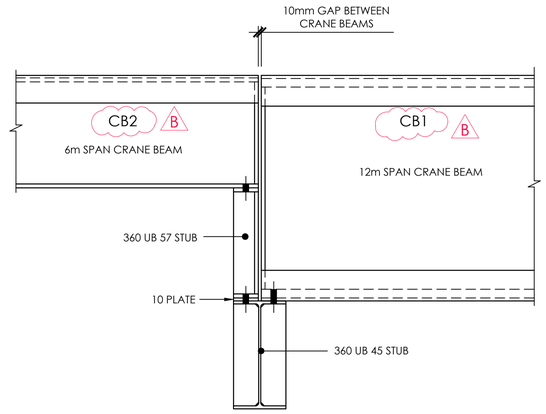
SCALE 1:10 AT A1



SIT ON THE STUB OF 12m SPAN CRANE BEAM

6m SPAN CRANE BEAM CONNECTION DETAIL

SCALE 1:10 AT A1



C - C

SCALE 1:10 AT A1

0 200 400 600 800 1000mm

SCALE 1:10 AT A1 SHEET | 1:20 AT A3 SHEET

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PO BOX 474, TANUNDA SA 5352

SYDNEY | ADELAIDE | DARWIN | PARRAMATTA | MUDGEE | BAROSSA

DRAWING TITLE
STEELWORK DETAILS
SHEET 3

PROJECT No.	DRAWING No.	ISSUE
TX12805.49 -	S4.03	B