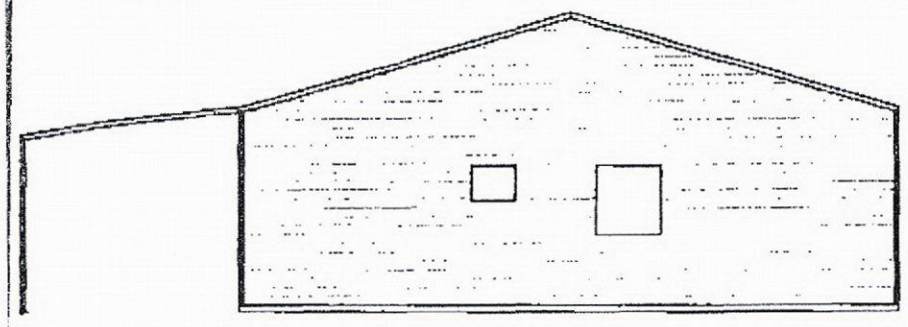
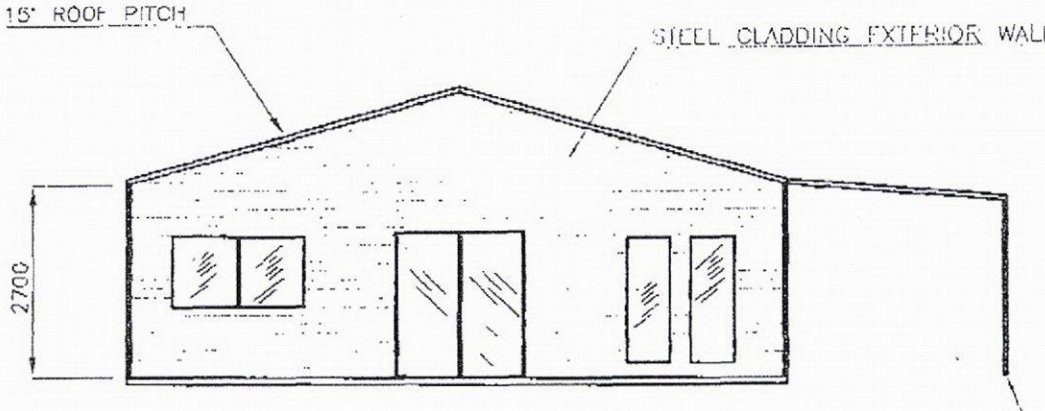


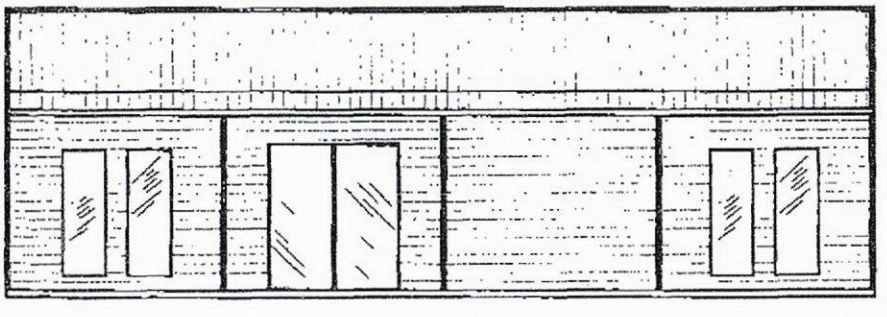
VIEW 'B'



VIEW 'D'

E FRAME
STUD AND NOGGINGS.

NOTE:- WINDOWS TO ALL ROOMS TO BE OPENABLE.



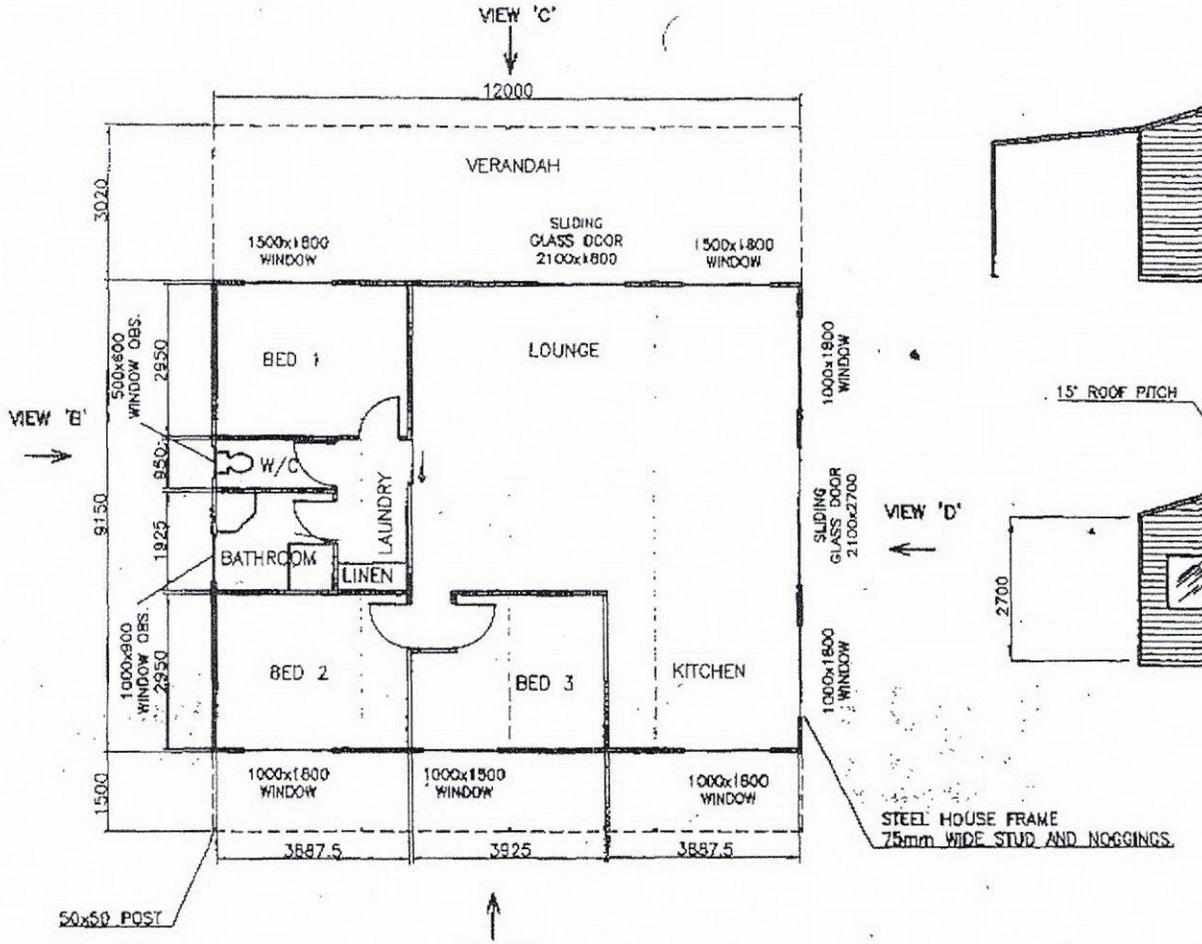
VIEW 'C'

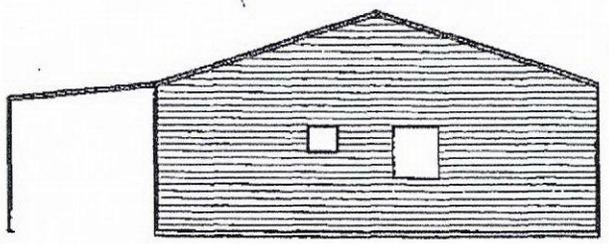
Plans and specification approved.
Building Permit granted pursuant to Building Regulations 1994
Permit No BS1235/04/103525
Date of issue 11TH MAY 2004

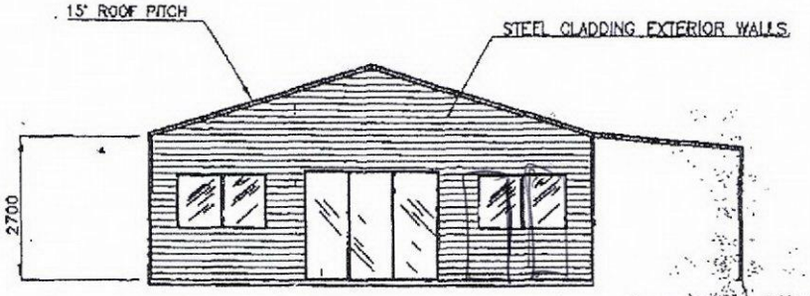
.....

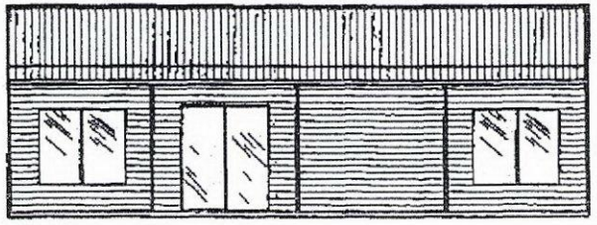
Private Building Surveyor.

SIONS TRES	DRAWN: G.A.	CLIENT: ZOLTAN GALAMBOS 100 ADAMS RD PORT WELSHPOOL VIC.3965	DRG No. GALAMBOS
al el Industry Pty. Ltd.	DATE: 18/08/03		
	ISSUE: 1		
	SCALE: 1:100	THIS DRAWING IS AND REMAINS THE PROPERTY OF IDEAL STEEL PTY LTD AND SHALL BE USED ONLY AS AUTHORISED BY IDEAL STEEL PTY LTD.	SHEET 1 OF 1 A3



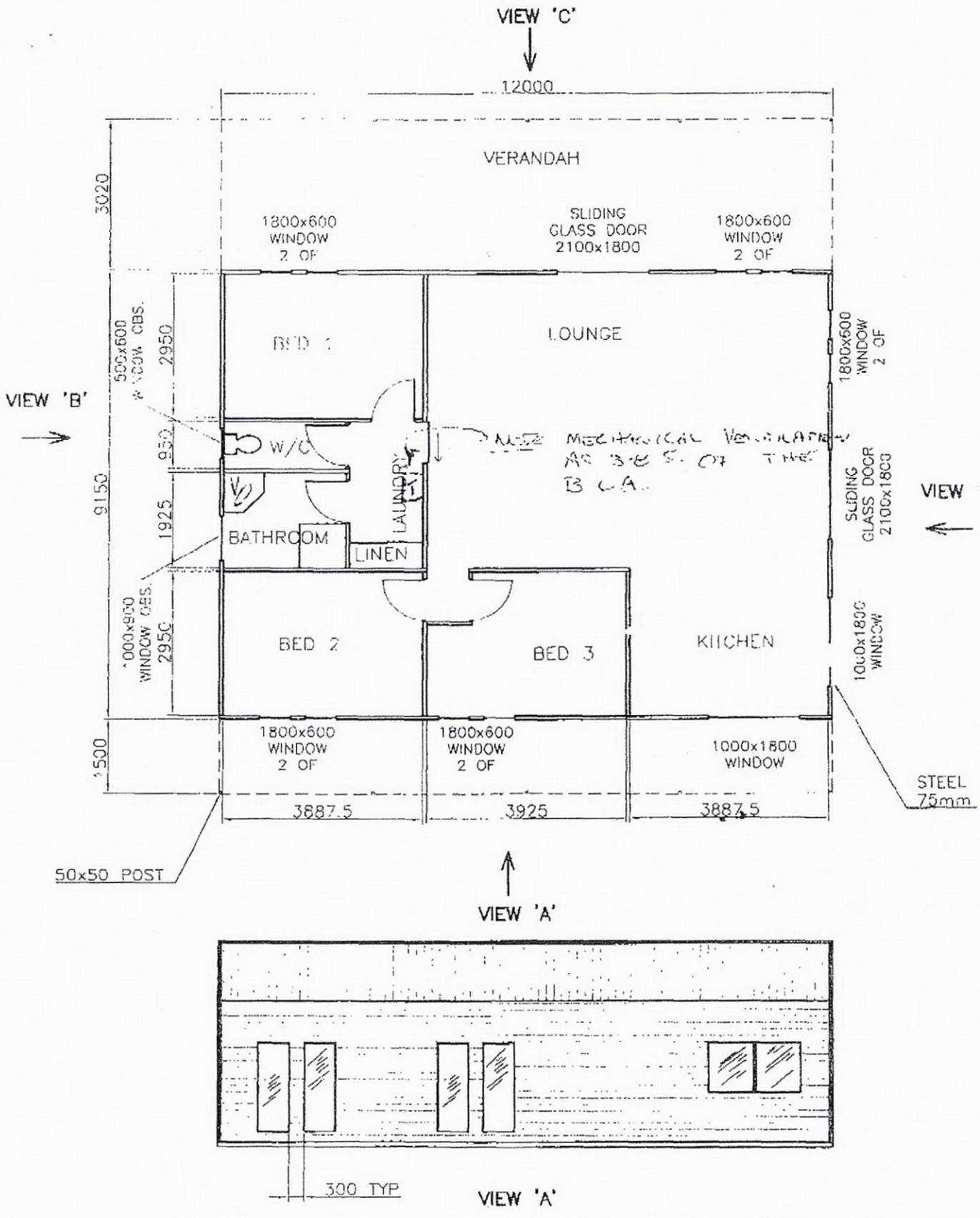


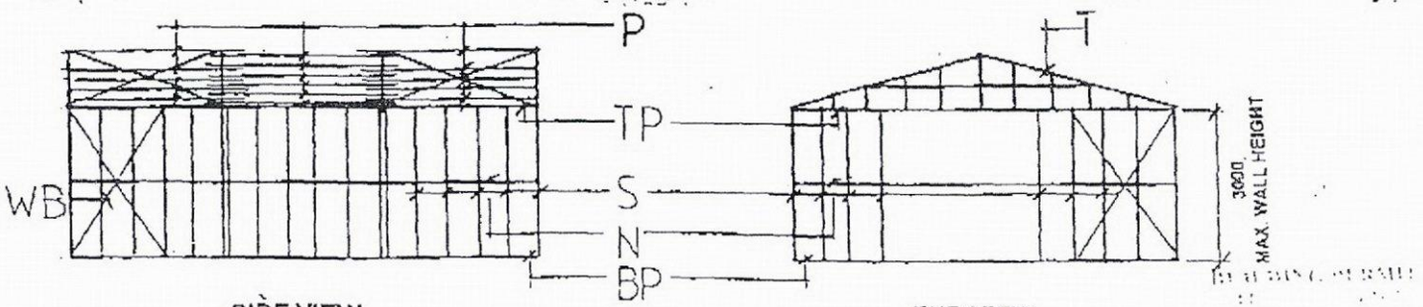




SOUTH GIPPSLAND SHIRE COUNCIL
ENDORSED PLAN
Planning Permit No: 2003/551
Date Approved: 04/02/04
Signed:

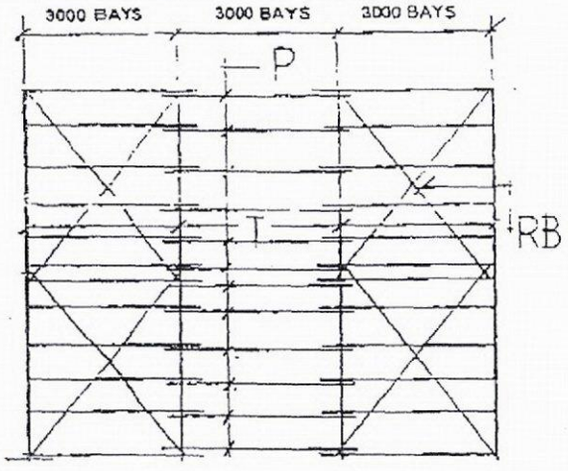
THIRD ANGLE PROJECTION	ALL DIMENSIONS IN MILLIMETRES	DRAWN: G.A.	CLIENT: ZORTAN GALAMBOS 100 ADAMS RD PORT WELSHPOOL VIC.3965	DRG No. GALAMBOS
	Ideal steel Buildings company	DATE: 18/08/03		
		ISSUE: 1	THIS DRAWING IS AND REMAINS THE PROPERTY OF IDEAL STEEL PTY LTD AND SHALL BE USED ONLY AS AUTHORISED BY IDEAL STEEL PTY LTD.	SHEET 1 OF 1 A3
		SCALE: 1:100		


VIEW 'C'
12000
VERANDAH
3020
1800x600 WINDOW 2 OF
SLIDING GLASS DOOR 2100x1800
1800x600 WINDOW 2 OF
BED 1
LOUNGE
1800x600 WINDOW 2 OF
500x600 WINDOW OBS.
2950
VIEW 'B'
950
W/C
LAUNDRY
MECHANICAL VENTILATION AS PER S.07 THE B.C.A.
9150
1925
BATHROOM
LINEN
SLIDING GLASS DOOR 2100x1800
VIEW
1000x900 WINDOW OBS.
2950
BED 2
BED 3
KITCHEN
1000x1800 WINDOW
1500
1800x600 WINDOW 2 OF
1800x600 WINDOW 2 OF
1000x1800 WINDOW
STEEL 75mm
3887.5
3925
3887.5
50x50 POST
VIEW 'A'
300 TYP
VIEW 'A'
THIRD ANGLE PROJECTION
ALL IN M

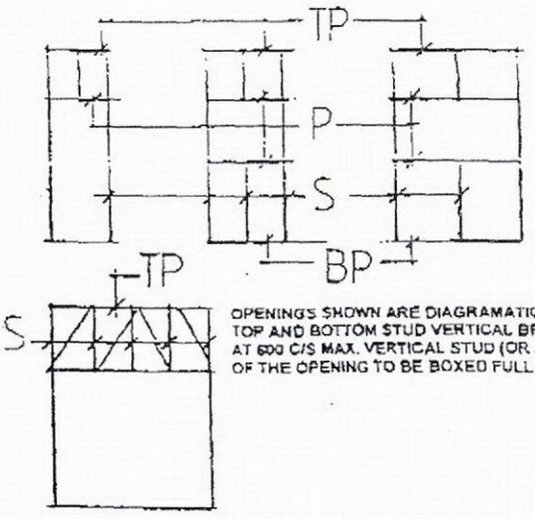


SIDE VIEW
FRAMING LAYOUT
(TYPE 7650 ILLUSTRATED)
BOTH ENDS SIMILAR

END VIEW
FRAMING LAYOUT
(TYPE 7650 ILLUSTRATED)
BOTH ENDS SIMILAR

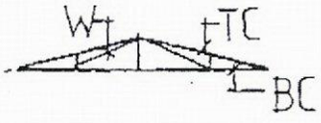


ROOF FRAMING PLAN
(TYPE 7650 ILLUSTRATED)

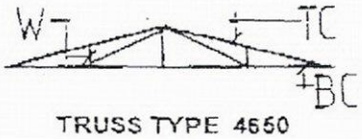


OPENINGS SHOWN ARE DIAGRAMATICAL ONLY.
TOP AND BOTTOM STUD VERTICAL BRACE TO BE AT 600 C/S MAX. VERTICAL STUD (OR JAMB) EACH SIDE OF THE OPENING TO BE BOXED FULL HEIGHT.

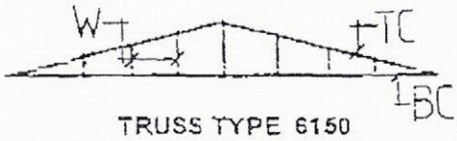
WINDOW & DOOR OPENING
FRAMING LAYOUT



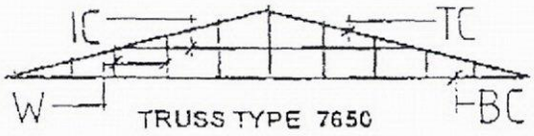
TRUSS TYPE 3150



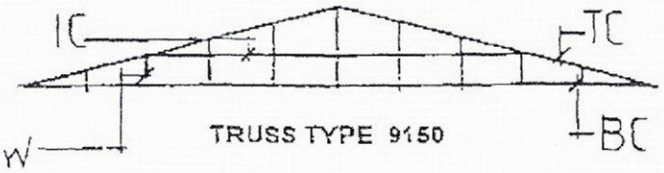
TRUSS TYPE 4650



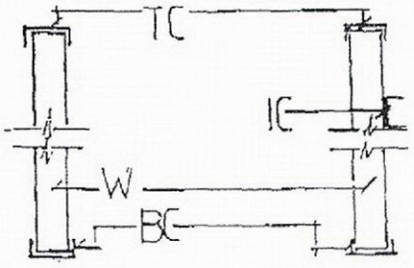
TRUSS TYPE 6150



TRUSS TYPE 7650

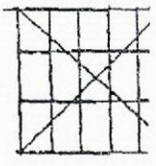


TRUSS TYPE 9150



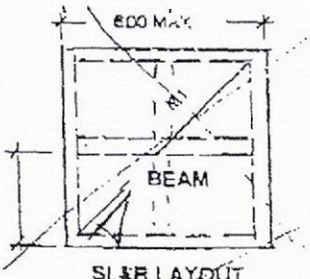
TYPICAL SECTION
TRUSS TYPE 3150, 4650, 6150

TYPICAL SECTION
TRUSS TYPE 9150, 7650

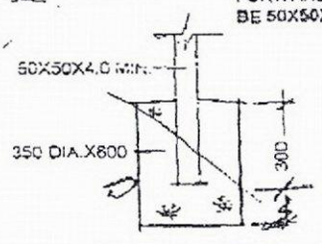


AWNING
FRAMING LAYO

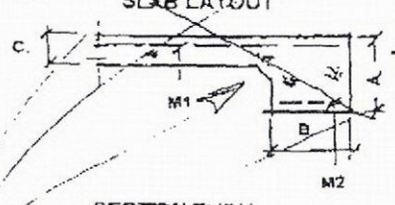
AWNING TO
AS A TYPICA
3000 HIGH W
FORWARD S
BE 50X50X3



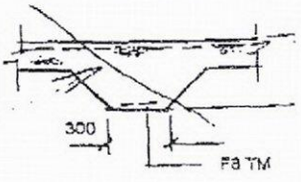
SLAB LAYOUT



AWNING HOLD DOWN

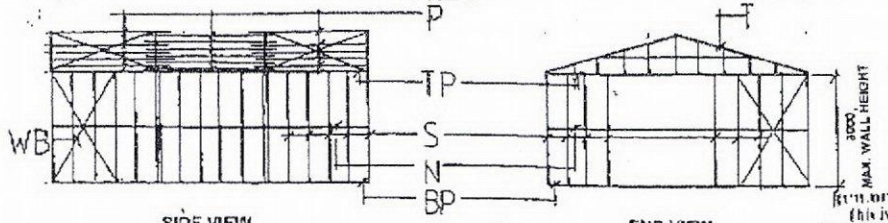


SECTION THRU SLAB



SECTION THRU BEAM

REFER TO GAINCORP DETAILS



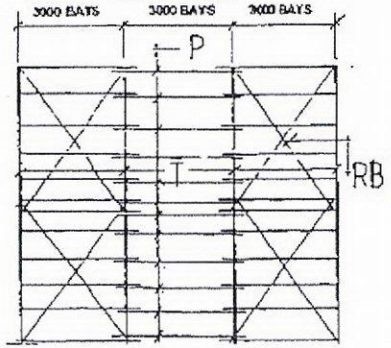
SIDE VIEW
FRAMING LAYOUT
(TYPE 7650 ILLUSTRATED)
BOTH ENDS SIMILAR

END VIEW
FRAMING LAYOUT
(TYPE 7650 ILLUSTRATED)
BOTH ENDS SIMILAR

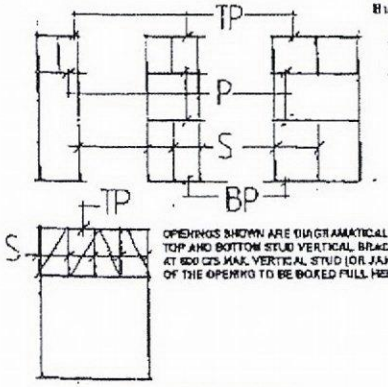
BUILDING PERMIT ENDORSED PLAN
This is to certify that this document is
Substantially in accordance with the Building
Regulations 1994 and the Building Act 1993

11 MAY 2004

Building Surveyor: RW Kidd BS 1235
PO Box 141, Yarram
Phone: 5182 6477 Fax: 5182 6251

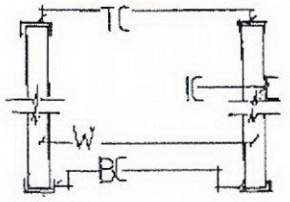


ROOF FRAMING PLAN
(TYPE 7650 ILLUSTRATED)



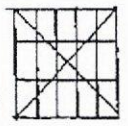
OPENINGS SHOWN ARE DIAGRAMATICAL ONLY.
TOP AND BOTTOM STUD VERTICAL BRACE TO BE
AT 600 CTS MAX. VERTICAL STUD (OR JAMB) EACH SIDE
OF THE OPENING TO BE BOXED FULL HEIGHT.

WINDOW & DOOR OPENING
FRAMING LAYOUT



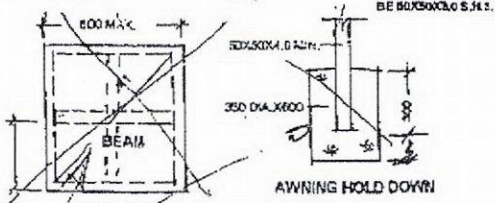
TYPICAL SECTION
TRUSS TYPE 3150, 4650, 6150

TYPICAL SECTION
TRUSS TYPE 9150, 7650



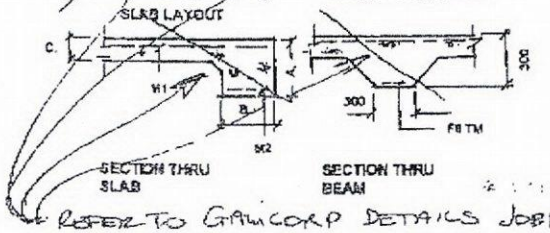
AWNING
FRAMING LAYOUT

AWNING TO BE FABRICATED
AS A TYPICAL WALL PANEL FOR
3000 HIGH WALLS.
FORWARD SUPPORT COLUMNS TO
BE 80X50X3.0 S.H.S. MIN.



SLAB LAYOUT

AWNING HOLD DOWN



SECTION THRU
SLAB

SECTION THRU
BEAM

TRUSS TYPE 3150

TRUSS TYPE 4650

TRUSS TYPE 6150

TRUSS TYPE 7650

TRUSS TYPE 9150

WALL AND ROOF FRAMING – MEMBER SCHEDULE

SIZE (MAX.) SPAN	WALL HEIGHT	MEMBER TYPE/SIZE S. (Studs)	P. (Plate)	N. (Nogging)	PU. (Purlins)	CB. (Ceiling Battens)	WB. (Wall Brace)	RB. (Roof Brace)
3150	3000	75x32 at 2 G0550 600 CTS (Max.)	76x31 x1.2 G0550	72x32 x1.2 G0550 (1 Row - (2 Rows for 3000 high)	61.75 Top Hat at 1000 CTS (Max.) Purlin Centre	61.75 Top Hat at 600 Cts (Max.)	70x1.2 Galv Strap G0550 or K Panel Brace	30x1.0 Galv Strap G0550
4650	"	"	"	"	"	"	"	"
6150	"	"	"	"	"	"	32x1.2 Galv Strap G0550	32x1.2 Galv Strap G0550
7650	"	"	"	"	"	"	"	"
9150	"	"	"	"	"	"	"	"

TRUSSES – MEMBER SCHEDULE

MEMBER	TYPE 3150, 4650, 6150	TYPE 7650, 9150
TC	76X31X1.2 PLATE SECT.	76X31X1.2 PLATE SECT.
BC W IC	75X32X1.2 STUD SECT. Not required	75X32X1.2 STUD SECT.

TRUSSES & WALL FRAMES – CLINCH CONNECTIONS

CONNECTION/ LOCATION (using Clinch Method)	TRUSS TYPE 3150	4650	6150	7650	9150
TC TO BC (Knee Con)	2-FLANGE EACH SIDE	3-FLANGE EACH SIDE	4-FLANGE EACH SIDE	4-FLANGE EACH SIDE	5-FLANGE EACH SIDE
W TO TC & BC	1-FLANGE EACH SIDE	1-FLANGE EACH SIDE	1-FLANGE EACH SIDE	2-FLANGE EACH SIDE	3-FLANGE EACH SIDE
TC TO TC (APEX)	2-FLANGE EACH SIDE	3-FLANGE EACH SIDE	3-FLANGE EACH SIDE	3-FLANGE EACH SIDE	4-FLANGE EACH SIDE
IC TO TC	Not req'd	Not req'd	Not Req'd	2-FLANGE EACH IC Full length as shown	2-FLANGE EACH IC Full length as shown
WALL FRAMES					
S TO TP & BP	2-FLANGE EACH SIDE				
N TO S	1-FLANGE EACH SIDE				

FIXING SCHEDULE – W41N

ROOF BATTEN (RP) TO TOP CHORD (TC) ROOF BRACE (RB) TO TOP CHORD (TC)	4 NO.10 – 14X20 TEKS 10 – 14X20 TEKS, 2 AT EACH END 1 NO. AT EACH INTERMEDIATE TRUSS
TRUSS (T) TO TOP PLATE (TP) END TRUSS (T) TO TOP PLATE (TP) BACK TO BACK STUDS BOTTOM PLATE (BP) TO SLAB	2 NO. M12 BOLTS EACH END 12 – 14X20 TEKS AT 600 CENTRES 3 NO. 90X35 M10 (TOP, BOTTOM AND CENTRE) M12 CHEMSETS AT CORNERS, SIDES OF OPENINGS & ENDS OF BRACING PANELS & ELSEWHERE AT 1800 MAX. CENTRES
WALL BRACE (WB) TO PLATES (TP, BP) CEILING BATTENS (CB) TO (TP), CHORD (BC)	3 NO. 14 – 10X20 TEKS EACH END 2 NO. 10 – 16X16 TEKS

BUILDING CLASS	DML A	S	C	MESH TYPE M3	M5
1	400	300	100	F72 30 TOP COVER	SL71 M 50 BTM. COVER
10	500	300	100	F82 30 TOP COVER	F82 50 BTM. COVER

FOOTING DETAILS SHOWN ARE BASED UPON A SITE CLASSIFICATION "M" IN ACCORDANCE WITH A.S. 2870-1988

GENERAL NOTES
1. Verify all dimensions on site before commencing shop drawings or commencing fabrications. Stability of the building during construction including additional propping, bracing and excavation in the vicinity of neighbouring buildings is the responsibility of the contractors. Approval of all proposals must be granted in writing prior to commencement of work. All design, materials, construction and workmanship to be carried out in accordance with the latest editions of the Local Government Ordinances, the Building Code of Australia and the Australian Standards AS and Australian and New Zealand Standard AS/NZS as listed below for steelwork, brings and concrete.

2. STEEL WORK NOTES
- AS1170.1 – 1989 Dead & Live Loads & Load Combinations
- AS1250 – 1981 The Use of Steel in Structures (SAA Steel Structures Code).
- AS1397 – 1993 Steel Sheet & Strip – Hot Dipped Zinc Coated or Aluminium/Zinc Coated
- AS1538 – 1988 Cold Form Steel Structures Code
- AS4100 – 1998 Steel Structures
- AS/NZS4600 – 1992 Cold Form Steel Structures
- AS1163 – 1991 Structural Steel Hollow Sections
- AS/NZS3678 – 1996 Structural Steel Hot Rolled Plates, Floor Plates and Slabs.
- AS/NZS3679.1 – 1996 Hot Rolled Bars & Sections
- AS/NZS3678.2 – 1998 Welded Sections

All welding to be GP, SMAW, with structural grade covered electrodes in accordance with the welding code.

3. FIXINGS
Bolts shall be a minimum strength grade 4 – 6 as specified in accordance with:
- AS/NZS 1110 – 1996 ISO Metric Precision Hexagon Bolts & Screws
- AS/NZS 1111 – 1998 ISO Metric Hexagon Commercial Bolts & Screws
- AS 3566 – 1988 Screws – Self Drilling for the Building & Construction Industries.

4. CONCRETE
- AS 3600 – 1994 Concrete Structures
- AS 1379 – 1997 Specification & Supply of Concrete
- AS 4304 – 1991 Welded Wire Reinforcing Fabric For Concrete

Concrete shall be 20 MPA at 28 days. Min slab cover 30mm

5. WIND LOADING
Wind loading in accordance with AS 1170.2-1989 – Region B/C, Terrain Category 2. Multipliers – M_d & M_s & M_t = 1.

6. FOUNDATION
Sub grade compacted to C.B.R 10 or 100 KPA min. For soil classification H, E & P refer to Engineer.

7. FULL STEEL CONSTRUCTIONS
No termite protection required.

Do not scale from drawings.
Verify all dimensions on site.

ideal steel
buildings company

client

project STEEL WALL & TRUSS FRAMING

location

drawing title STRUCTURAL DETAILS

issue	date

drawing no. 139-00 | issue A

REFER TO GALCORP DETAILS JOB N°19740.

[redacted]

WALL AND ROOF FRAMING – MEMBER SCHEDULE

SIZE (MAX.)		MEMBER TYPE/SIZE						
SPAN	WALL HEIGHT	S. (Stud)	P. (Plate)	N. (Nogging)	PU. (Purlins)	CB. (Ceiling Batten)	WB. (Wall Brace)	RB. (Roof Brace)
3150	3000	75x32 x1.2 GD550 600 C/s (Max)	78x31 x1.2 GD550	72x32 x1.2 GD550 (1 Row) 2 Rows (or 3000 High)	61 75 Top Hat at 1000 C/s (Max, Lapped)	61 75 Top Hat at 600 C/s (Max)	32x1.2 Galv Strap GD550 or K Panel Brace	30x1.0 Galv Strap GD550
4650	-		-	-	-	-	-	-
6150	-		-		-	-	32x1.2 Galv Strap GD550	32x1.2 Galv Strap GD550
7650	-	-	-	-	-	-	-	-
9150		-	-	-		-	-	-

TRUSSES – MEMBER SCHEDULE

MEMBER	TYPE 3150, 4650, 6150	TYPE 7650, 9150
TC	78X31X1.2 PLATE SECT	78X31X1.2 PLATE SECT
BC		
W	75X32X1.2 STUD SECT.	75x32x1.2 STUD SECT
IC	Not required	

TRUSSES & WALL FRAMES – CLINCH CONNECTIONS

CONNECTION/ LOCATION. (using Clinch Method)	TRUSS TYPE 3150	4650	6150	7650	9150
TC TO BC (Knee Con.)	2-FLANGE EACH SIDE	3-FLANGE EACH SIDE	4-FLANGE EACH SIDE	4-FLANGE EACH SIDE	5-FLANGE EACH SIDE
W TO TC & BC	1-FLANGE EACH SIDE	1-FLANGE EACH SIDE	1-FLANGE EACH SIDE	2-FLANGE EACH SIDE	3-FLANGE EACH SIDE
TC TO TC (APEX)	2-FLANGE EACH SIDE	3-FLANGE EACH SIDE	3-FLANGE EACH SIDE	3-FLANGE EACH SIDE	4-FLANGE EACH SIDE
IC TO TC	Not req'd	Not req'd	Not Req'd	2-FLANGE EACH IC Full length as shown	2-FLANGE EACH IC Full length as shown

WALL FRAMES

S TO TP & BP	2-FLANGE EACH SIDE
N TO S	1-FLANGE EACH SIDE

FIXING SCHEDULE – W41N

ROOF BATTEN (P) TO TOP CHORD (TC)	4 NO. 12 – 14X20 TEKS
ROOF BRACE (RB) TO TOP CHORD (TC)	12 – 14X20 TEKS, 2 AT EACH END 1 NO AT EACH INTERMEDIATE TRUSS
TRUSS (T) TO TOP PLATE (TP)	2 NO. M12 BOLTS EACH END
END TRUSS (T) TO TOP PLATE (TP)	12 – 14X20 TEKS AT 900 CENTRES
BACK TO BACK STUDS	
BOTTOM PLATE (BP) TO SLAB	3 NO. BOLTS M12 (TOP, BOTTOM AND CENTRE, M12 CHEMSETS AT CORNERS, SIDES OF OPENINGS & ENDS OF BRACING PANELS & ELSEWHERE AT 1600 MAX. CENTRES
WALL BRACE (WB) TO PLATES (TP BP)	3 NO. 14 – 10X20 TEKS EACH END
CEILING BATTENS (CB) TO BTM. CHORD (BC)	2 NO. 10 – 16X16 TEKS

BUILDING CLASS	DIM. A	B	C	MESH TYPE M1	M2
1	400	300	100	F72 30 TOP COVER	3 & T.M. 50 BTM. COVER
10	300	300	100	F82 30 TOP COVER	F82 50 BTM. COVER

FOOTING DETAILS SHOWN ARE BASED UPON A SITE CLASSIFICATION 'M' IN ACCORDANCE WITH A.S. 2870.1 - 1996

ORSED PLAN
documents
...
004

BRICATED
L PANEL FOR
T COLUMNS TO
. MIN.

Nº 19740.

VERDIC VAN WIN

1. GENERAL NOTES

Verify all dimensions on site before making shop drawings or commencing fabrication. Stability of the building during construction including additional propping, bracing and excavation in the vicinity of neighbouring buildings is the responsibility of the contractors. Approval of all proposals must be granted in writing prior to commencement of work. All design, materials, construction and workmanship to be carried out in accordance with the latest editions of the Local Government Ordinances, the Building Code of Australia and the Australian Standards AS and Australian and New Zealand Standard AS/NZS as listed below for steelwork, fixings and concrete

2. STEEL WORK NOTES

- AS1170.1 - 1989 Dead & Live Loads & Load Combinations
- AS1250 - 1981 The Use of Steel in Structures (SAA Steel Structures Code).
- AS1397 – 1993 Steel Sheet & Strip – Hot Dipped Zinc Coated or Aluminium/Zinc Coated
- AS1538 - 1988 Cold Form Steel Structures Code
- AS4100 – 1998 Steel Structures
- AS/NZS4600 – 1996 Cold Form Steel Structures
- AS1163 - 1991 Structural Steel Hollow Sections
- AS/NZS3678 – 1996 Structural Steel Hot Rolled Plates, Floor Plates and Slabs
- AS/NZS3679.1 – 1996 Hot Rolled Bars & Sections
- AS/NZS3679.2 – 1996 Welded Sections

All welding to be laid down with structural grade covered electrodes in accordance with the welding code

3. FIXINGS

Bolts shall be a minimum strength grade 4 – 6 or as specified in accordance with:

- AS/NZS 1110 – 1995 150 Metric Precision Hexagon Bolts & Screws
- AS/NZS 1111 – 1996 150 Metric Hexagon Commercial Bolts & Screws
- AS 3566 – 1988 Screws – Self Drilling for the Building & Construction Industries

4. CONCRETE

- AS 3600 – 1994 Concrete Structures
- AS 1379 – 1997 Specification & Supply of Concrete
- AS 1304 – 1991 Welded Wire Reinforcing Fabric For Concrete

Concrete shall be 20 MPA at 28 days. Min slab cover 30mm

5. WIND LOADING

Wind loading in accordance with AS 1170.2-1989 – Region B/C Terrain Category 2. Multipliers – M_s & M_z & M_t = 1

6. FOUNDATION

Sub grade compacted to C B R 10 or 100 KPA min. For soil classification H, E & P refer to Engineer.

7. FULL STEEL CONSTRUCTIONS

No termite protection required

Do not scale from drawings.
Verify all dimensions on site.

ideal steel buildings company ltd

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email: buildings@idealsteel.com.au

client:

project: STEEL WALL & TRUSS FRAMING

location

drawing title

STRUCTURAL DETAILS

scale	date
N.T.S.	NOV. 05

drawn	checked	approved	valid

drawing no.	issue
139-00	A

OWNER: MR Z. GALAMBOS.
23 JASPER ST.
INVERLEIGH. VIC. 3324

SOUTH GIPPSLAND SHIRE COUNCIL
ENDORSED PLAN
Planning Permit No: 2002/651
Date Approved: 09/02/04
Signed: