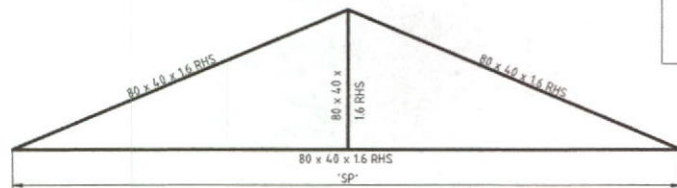
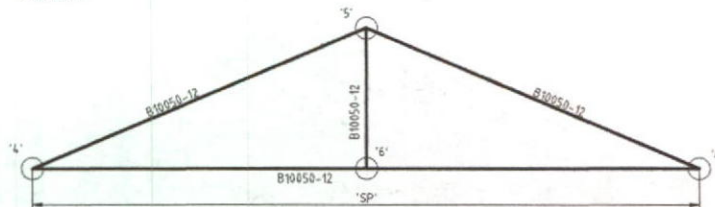


FIGURE 1



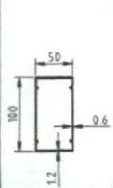
NOTE: FRAME TO BE FULLY WELDED
3mm BEAD WELDS - E48XX GP - GROUND FLUSH

FRAME FR1
SCALE 1/50

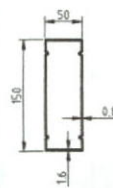


NOTE: BOTTOM CHORD TO BE ONE LENGTH. DO NOT SPLICE

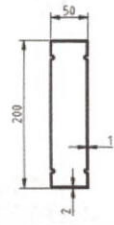
FRAME FR2
SCALE 1/50



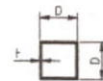
BEAM 10050-12
SCALE 1/10



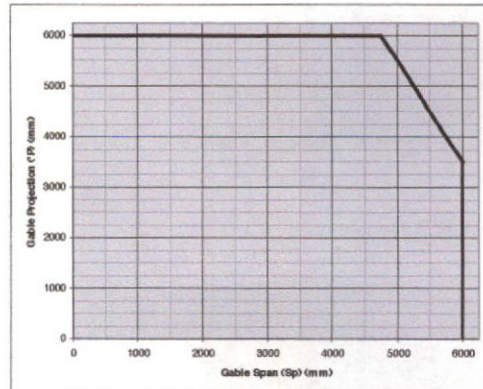
BEAM 15050-16
SCALE 1/10



BEAM 20050-20
SCALE 1/10



COLUMNS - C350LO SHS
SCALE 1/10



MEMBER LOAD WIDTH	
MEMBER	LOAD WIDTH (W)
H	$W = LH / 2 + 0.5412 SP$
J	$W = LJ / 2 + 0.5412 SP$

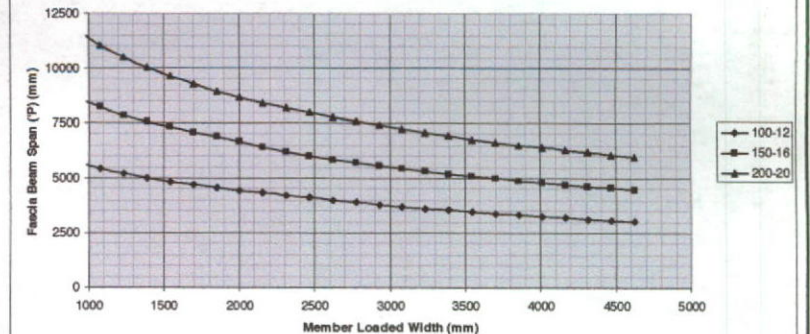
MAX. HEIGHT SPECIFIED APPLIES FOR ATTACHED AWINGS ONLY

ROOF SHEETING	SPAN
0.48BMT SUPERDECK	2300
0.42BMT PRO-DEK	3700
0.48BMT PRO-DEK	4500
0.48BMT CUSTOM ORB	1700
0.42BMT TRIMDEK	1900
0.48BMT TRIMDEK	2600

D	t	MAX. HEIGHTS (mm)
50	1.6	3800
65	1.6	4000
75	2.0	4000
89	2.0	4000

MAX HEIGHT SPECIFIED APPLIES FOR ATTACHED AWINGS ONLY

Table of Pitched Roof Fascia Beam Maximum Span (mm)



NOTES:

N1. THIS IS TO CERTIFY THAT THE DETAILS SHOWN ON THESE DRAWINGS, ONCE SIGNED, HAVE BEEN CHECKED BY ME AND ARE CAPABLE OF WITHSTANDING THE FOLLOWING LOADS.

WIND LOADS

AS/NZS 1170.2,

$V_{90} = 43 \text{ m/s}$

$V_{30} = 34 \text{ m/s}$

DEAD + LIVE LOADS

AS/NZS 1170.1,

$Q = 0.25 \text{ kPa}$

$G = \text{METAL DECK ROOF}$

- N2. THESE CHARTS CAN ONLY BE USED FOR WIND CLASSIFICATIONS N1 AND N2 AS DEFINED IN AS4055 - 'WIND LOADS FOR HOUSING'. FOR OTHER SITE CLASSIFICATIONS REFER TO AN APPROPRIATELY QUALIFIED ENGINEER.
- N3. THE GRAPHS AND FIGURES MUST ONLY BE USED TO DETERMINE THE MEMBER SIZES SHOWN. ALL MEMBERS AS MANUFACTURED BY 'SPANTEC SYSTEMS PTY LTD.' THE GRAPHS HAVE BEEN PREPARED FROM SAFE LOAD TABLES PROVIDED BY 'SPANTEC SYSTEMS PTY LTD.'
- N4. THE CHART SHOWN IS FOR A ROOF PITCH OF 22.5 DEGREES, AND FOR ROOF SHEETING SPANNING FROM THE RIDGE TO THE FASCIA BEAM (I.E. NO INTERMEDIATE PURLINS). A REDUCED ROOF PITCH, AND/OR INTRODUCTION OF PURLINS TO THE ASSEMBLY WILL INCREASE THE PERMISSIBLE SPAN OF THE FASCIA BEAM. IF CRITICAL, CONSULT THE SPANTEC LOAD TABLES, OR AN APPROPRIATELY QUALIFIED AND EXPERIENCED ENGINEER.
- N5. GRAPH LINES SHOW UPPER LIMITS OF EACH BEAM SIZE. WHERE A POINT FALLS BETWEEN TWO LINES, THE MEMBER SIZE INDICATED BY THE UPPERMOST LINE MUST BE USED.
- N6. GRAPH LINES MUST NOT BE INTERPOLATED BEYOND THE LIMITS SHOWN.
- N7. RECTANGULAR SHAPED BEAMS, RAFTERS AND PURLINS ARE TO BE ARRANGED WITH THE LARGER CROSS-SECTION DIMENSION IN THE VERTICAL POSITION UNLESS NOTED OTHERWISE.
- N8. THE INFORMATION CONTAINED IN THIS DRAWING HAS BEEN AUTHORISED BY 'CIRCLE Z DESIGN STRUCTURAL ENGINEERING' TO BE USED SOLELY BY 'ZAMMIT METAL ROOFING PRODUCTS PTY LTD.'
- N9. DEFLECTION LIMITED TO $L/120$ UNDER SERVICE LOADS.
- N10. THE DETAILS SHOWN HERE IN ASSUME CONSTRUCTION AS PER SHEETS ATTACHED.

CLIENT

ADDRESS

CONSULTANTS 82 GLENDENNING ROAD, GLENDENNING, SYDNEY NSW 2781 AUSTRALIA EMAIL: info@zammitroofing.com.au WEB: www.zammitroofing.com.au PHONE: (02) 9675 5622 FAX: (02) 9675 5644		CERTIFIED AS STRUCTURALLY ADEQUATE Mr. MATTHEW C. ZAHRA MIEAust CPESig (Structural) #2297567 RPEQ (Structural) #9804 19/02/2011		CIRCLE Z DESIGN STRUCTURAL ENGINEERING 101/101 772 748 081 PO BOX 3124 FREEMANS REACH NSW 2756 Phone : 0423 167 514 Fax : 02 4579 7678 www.circlezdesign.com.au <small>© This drawing is copyright and remains the property of ZAMMIT METAL ROOFING PRODUCTS (Pty) Ltd and must not be copied, copied or reproduced in whole or part except by agreement with ZMPP. Failure to observe IP rights is a criminal offence.</small>		Drawn by DH		Checked by MZ		Approved by - date MZ - 19/02/2011		File name 732		Date 08/02/2011		Scale (A3) AS NOTED	
ZAMMIT METAL ROOFING ATTACHED PITCHED AWNING								TYPICAL DETAILS (SH01) AP-01									
								Edition 0		Sheet 1/2							

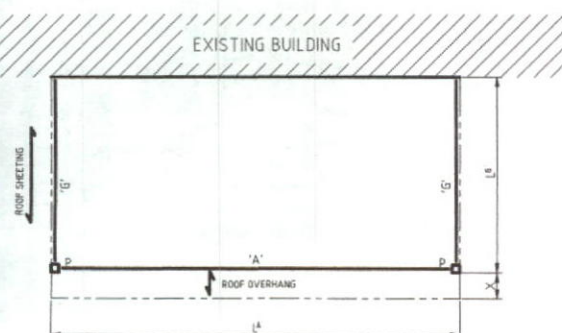


FIGURE 1

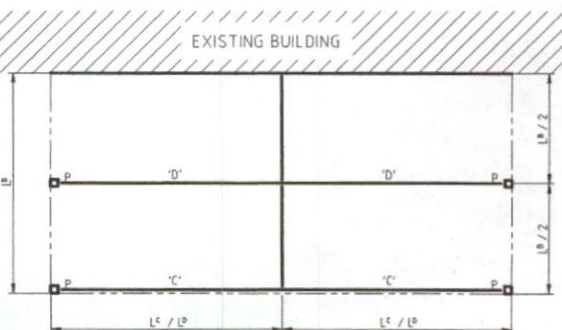


FIGURE 2

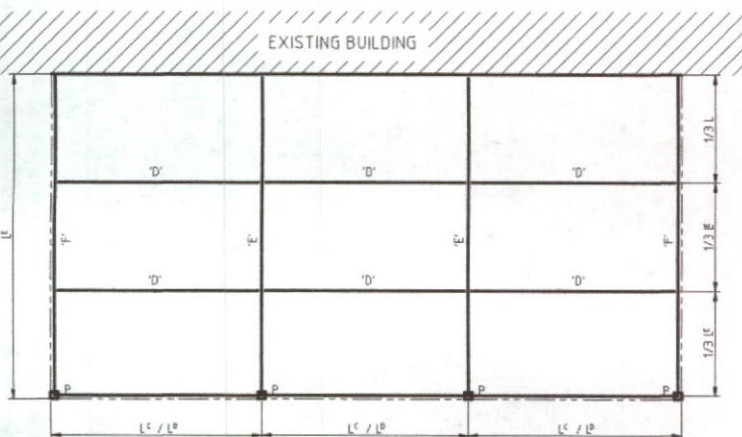


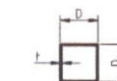
FIGURE 3

MEMBER LOAD WIDTH	
MEMBER	LOAD WIDTH (W)
A	$W = X + Ld / 2$
B	$W = Lc$
C	$W = Ld / 4$ OR $Lc / 6$
D	$W = Ld / 2$ OR $Lc / 3$
E	$W = Lc + Ld$
F	$W = Lc / 2 + Ld / 2$
G	$W = \text{THE LESSER OF } Lc / 2 \text{ OR } Ld / 2$

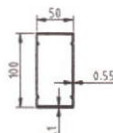
ROOF SHEETING	SPAN
0.48BMT SUPERDECK	2300
0.42BMT PRO-DEK	3700
0.48BMT PRO-DEK	4500
0.48BMT TRIMDEK / MONOCLAD	1700

D	t	MAX. HEIGHTS (mm)
50	1.6	3800
65	1.6	4000
75	2.0	4000
89	2.0	4000

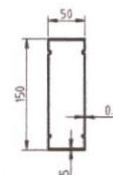
MAX HEIGHT SPECIFIED APPLIES FOR ATTACHED AWNINGS ONLY. COLUMN HEIGHT MAY BE FURTHER LIMITED BY FOOTING DETAIL.



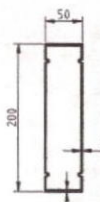
COLUMNS - C350LO SHS
SCALE NTS



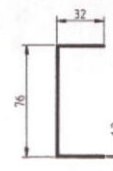
BEAM CB100-11
SCALE 1/10



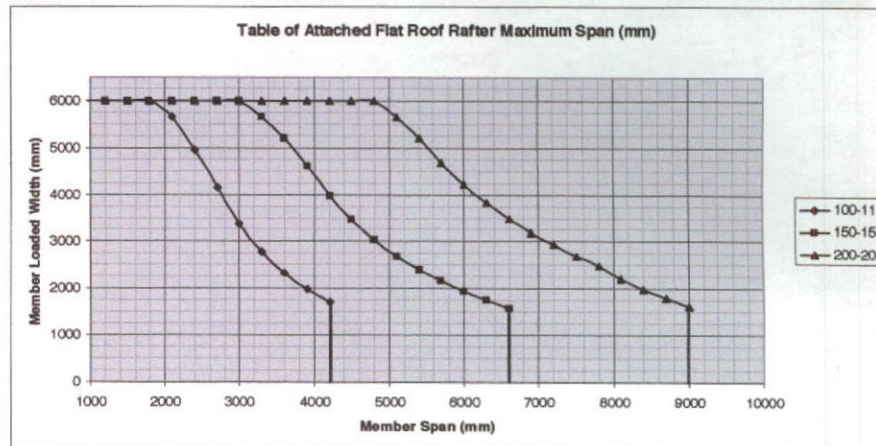
BEAM CB150-15
SCALE 1/10



BEAM CB200-20
SCALE 1/10



GUTTER STIFFENER
MAX SPAN 2.7m
SCALE 1/5



NOTES:

N1. THIS IS TO CERTIFY THAT THE DETAILS SHOWN ON THESE DRAWINGS, ONCE SIGNED, HAVE BEEN CHECKED BY ME AND ARE CAPABLE OF WITHSTANDING THE FOLLOWING LOADS:

WIND LOADS

AS/NZS 1170.2,

$V_{200} = 43 \text{ m/s}$

$V_{10} = 34 \text{ m/s}$

DEAD + LIVE LOADS

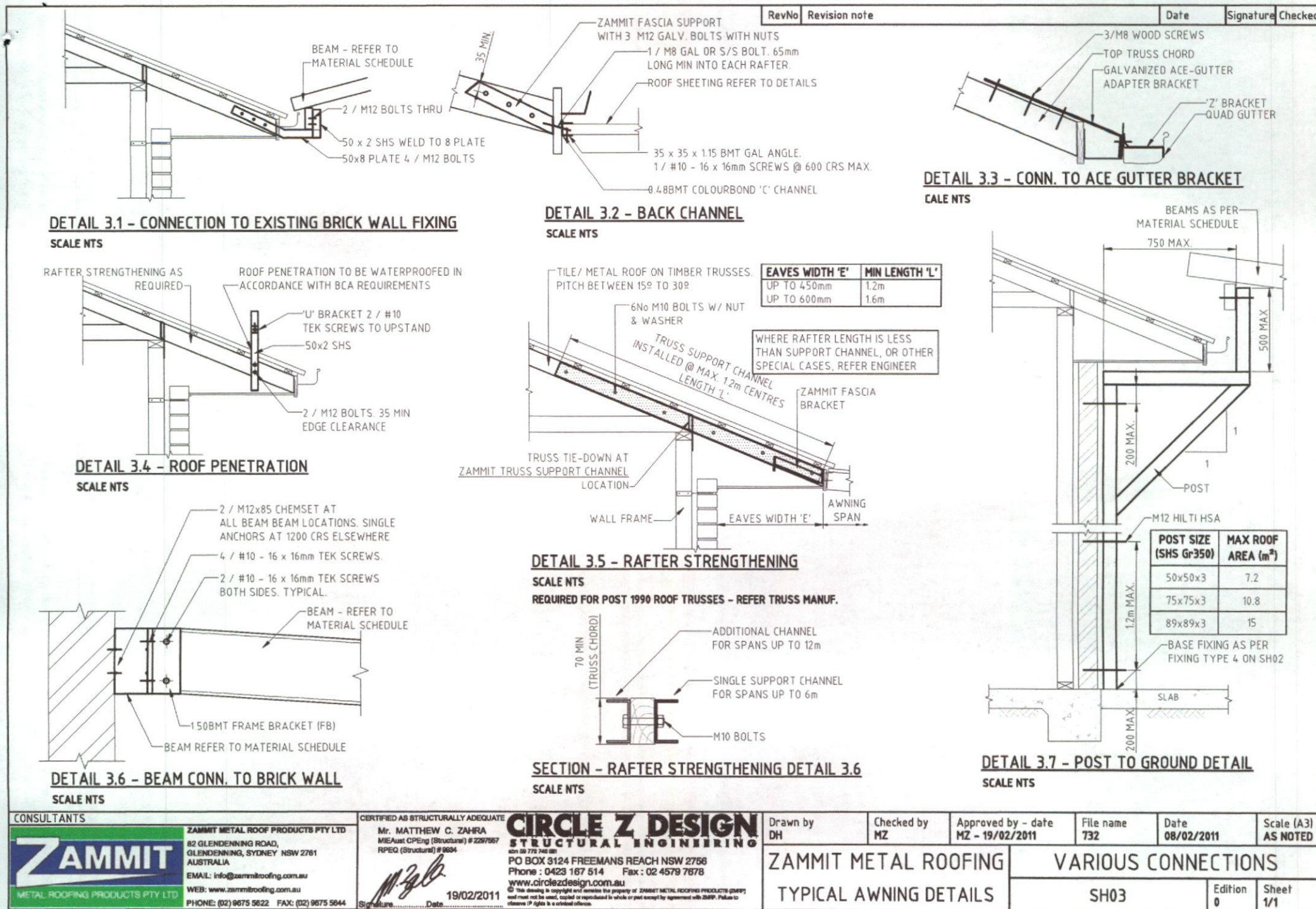
AS/NZS 1170.1,

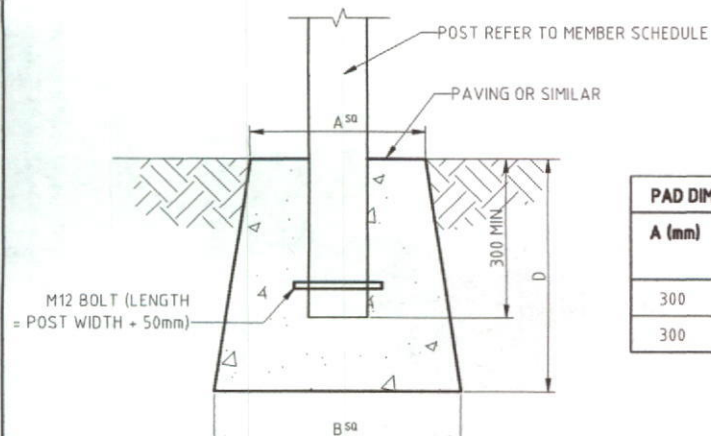
$Q = 0.25 \text{ kPa}$

$G = \text{METAL DECK ROOF}$

- N2. THESE CHARTS CAN ONLY BE USED FOR WIND CLASSIFICATIONS N1 AND N2 AS DEFINED IN AS4055 - 'WIND LOADS FOR HOUSING'. FOR OTHER SITE CLASSIFICATIONS REFER TO AN APPROPRIATELY QUALIFIED ENGINEER.
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- N9. DEFLECTION LIMITED TO $L/120$ UNDER SERVICE LOADS.
- N10. THE DETAILS SHOWN HERE IN ASSUME CONSTRUCTION AS PER SHEETS ATTACHED.

CONSULTANTS		CERTIFIED AS STRUCTURALLY ADEQUATE		CIRCLE Z DESIGN		Drawn by	Checked by	Approved by - date	File name	Date	Scale (A3)
ZAMMIT		Mr. MATTHEW C. ZAHRA		STRUCTURAL ENGINEERING		DH	MZ	MZ - 19/02/2011	732	08/02/2011	AS NOTED
ZAMMIT METAL ROOF PRODUCTS PTY LTD		82 GLENDENNING ROAD,		PO BOX 3124 FREEMANS REACH NSW 2756		ZAMMIT METAL ROOFING		TYPICAL DETAILS (SH01)			
182 GLENDENNING, SYDNEY NSW 2781		AUSTRALIA		Phone : 0423 167 514 Fax : 02 4579 7678		ATTACHED FLAT AWNING		AF-01		Edition	
EMAIL: info@zammitroofing.com.au		WEB: www.zammitroofing.com.au		www.circlezdesign.com.au						0	
PHONE: (02) 9675 5622 FAX: (02) 9675 5644		19/02/2011								Sheet	
										1/2	



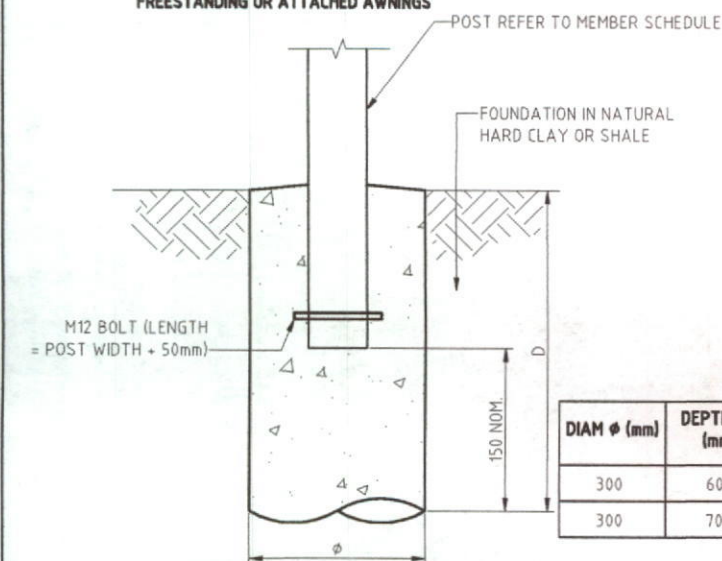


DETAIL 4.1 - POST FIXING TYPE 1

SCALE NTS

FREESTANDING OR ATTACHED AWNINGS

PAD DIMENSIONS			MAX - COLUMN HEIGHT (mm)	MAX ROOF AREA (m ²)
A (mm)	B (mm)	DEPTH (D) (mm)		
300	420	500	2700	8.5
300	420	600	3000	10

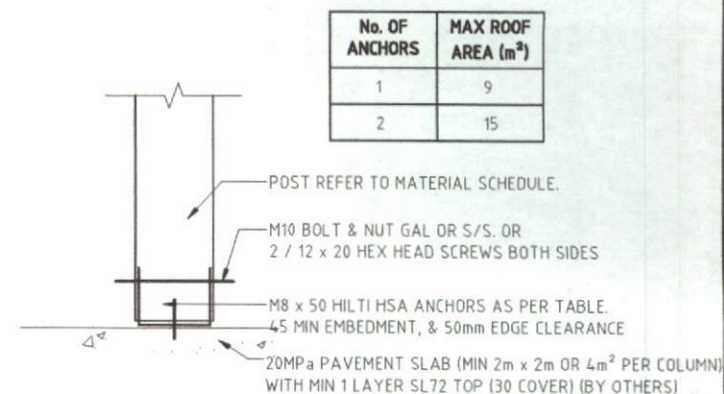


DETAIL 4.2 - POST FIXING TYPE 2

SCALE NTS

FREESTANDING OR ATTACHED AWNINGS

DIAM Ø (mm)	DEPTH (D) (mm)	MAX COLUMN HEIGHT (mm)	MAX ROOF AREA (m ²)
300	600	2400	7.2
300	700	3300	11.4

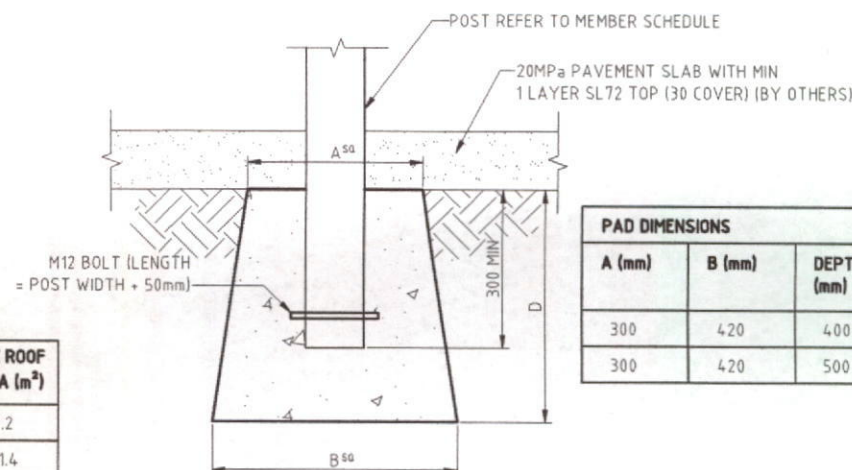


DETAIL 4.4 - POST FIXING TYPE 4

SCALE NTS

ATTACHED AWNINGS ONLY

No. OF ANCHORS	MAX ROOF AREA (m ²)
1	9
2	15



DETAIL 4.3 - POST FIXING TYPE 3

SCALE NTS

FREESTANDING OR ATTACHED AWNINGS

PAD DIMENSIONS			MAX - COLUMN HEIGHT (mm)	MAX ROOF AREA (m ²)
A (mm)	B (mm)	DEPTH (D) (mm)		
300	420	400	2700	10
300	420	500	3100	12.5

CONSULTANTS

ZAMMIT
METAL ROOFING PRODUCTS PTY LTD
82 GLENDENNING ROAD,
GLENDENNING, SYDNEY NSW 2781
AUSTRALIA
EMAIL: info@zammitleading.com.au
WEB: www.zammitleading.com.au
PHONE: (02) 9675 5622 FAX: (02) 9675 5644

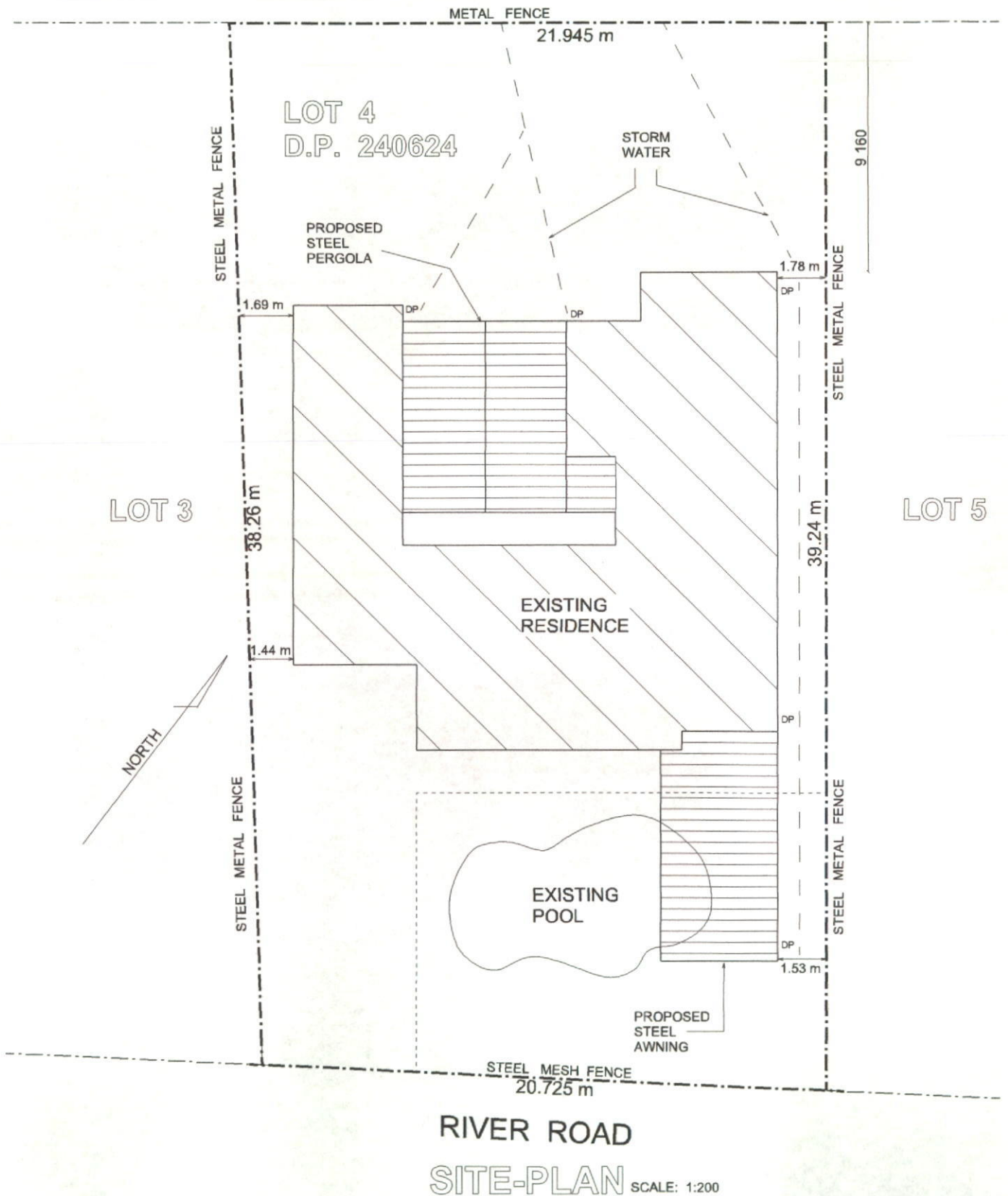
CERTIFIED AS STRUCTURALLY ADEQUATE

Mr. MATTHEW C. ZAHRA
MIEAust CPEng (Structural) # 2287567
RPEQ (Structural) # 9604
Signature: *[Signature]* Date: 19/02/2011

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www.circlezdesign.com.au
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ZAMMIT METAL ROOFING TYPICAL AWNING DETAILS			FOOTING DESIGNS SH04		
			Edition 0	Sheet 1/1	

NEPEAN STREET SOUTH



A B C D E F G H

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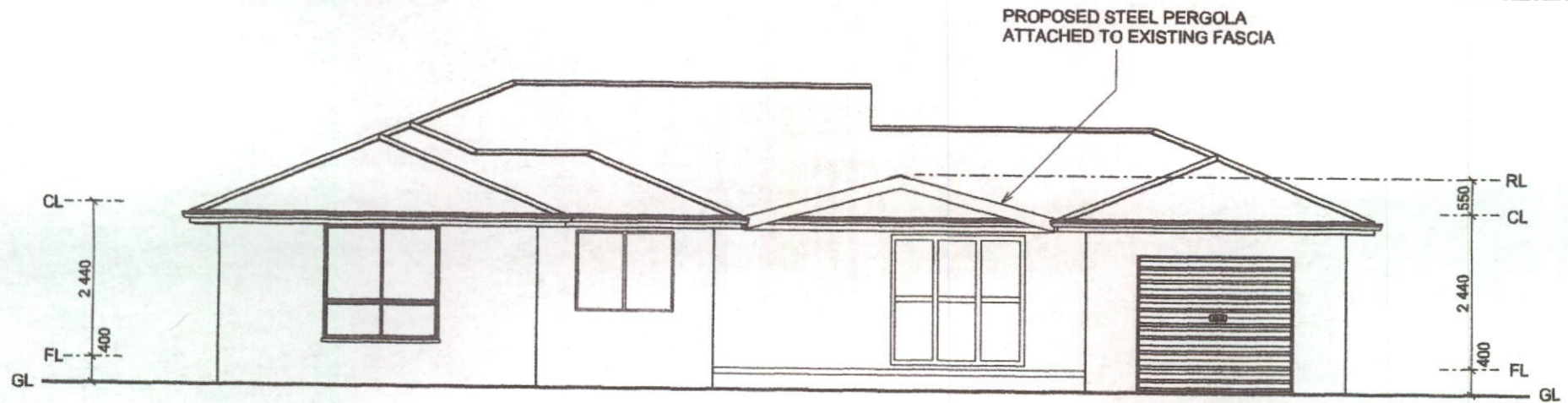
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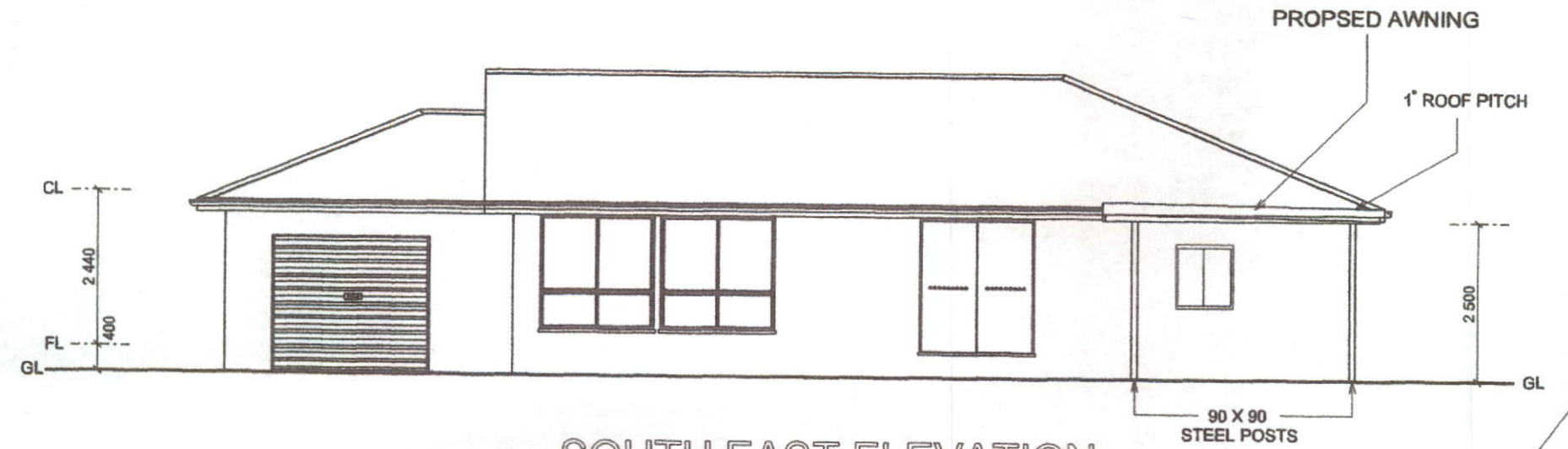
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5

6



NORTH WEST ELEVATION



SOUTH EAST ELEVATION