

25 February 2009

Pittwater Council PO Box 882 Mona Vale NSW 1660

Dear Sır/Madam,

Re Development Application No N0513/08 Our Construction Certificate No 109/2009 Premises 5 Forest Road, Warriewood

Please find attached a copy of the following -

- Construction Certificate, stamped approved plans and relevant documentation
- Notice to Commence Building Work
- Appointment of a Principal Certifying Authority

In accordance with the regulations we have enclosed a cheque for the sum of \$30 00 for the submission of the Part 4A certificate

Should you have any further enquiries please do not hesitate to contact us and we will be pleased to assist you

NB (Please forward receipt for the above \$30 00 fee to The Certification Group, PO Box 870 Narrabeen NSW 2101)

Yours faithfully.

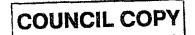
Mark Wysman

he Certification Group

Rec-255259 p 28/2/09.

Unit 3/6 Wilmette Place Mona Vale NSW 2103 PO Box 870 Narrabeen NSW 2101 tel 9944 8222 fax 9944 6330 email info@certgroup.com.au www.certgroup.com.au abn 47 121 229 166 - trading as The Certification Group





# CONSTRUCTION CERTIFICATE DETERMINATION

Issued under the Environmental Planning and Assessment Act 1979 Section 109C (1) (b) 81A (2) and 81A (4)

**CONSTRUCTION CERTIFICATE NO** 

109/2009

**DETERMINATION** 

Decision

**Approved** 

Date of Decision

25 February 2009

**SUBJECT LAND** 

Address

5 Forest Road Warriewood

Lot No DP

Lot 12 DP 1042213

**DESCRIPTION OF DEVELOPMENT** 

Shade Structures A1 & A2 only (Excluding shade structure A3)

**APPLICANT** 

Name

Mater Maria Catholic College

Address

5 Forest Road Warriewood

Contact Number (tel)

tel 9997 7044 (Contact Person - Mark Suters)

**OWNER** 

Name

Mater Maria Catholic College

Address

5 Forest Road Warriewood

Contact Number (tel)

tel 9997 7044 (Contact Person Mark Suters)

#### **PLANS AND SPECIFICATIONS**

The development is to be carried out in compliance with the following plans and documentation listed below and endorsed with The Certification Group stamp

DRAWING NUMBER

DATE

Architectural Plan No Site plan No AWD-101 Rev DA (dated 11/04/2008) prepared by
Architecture Interiors Project Management (dated 03/08/2008) Drawing 01 & 2 prepared by
Sunshade Australia (dated June 2008)

See Adjoining dates

**ATTACHMENTS** 

Structural Plan No S00 Rev A (dated 17/10/06 1140-S01 Rev A 1140-S02 Rev A 1140 S03 Rev A (dated 05/08/08)	See Adjoining dates
Shade fabric specification prepared by Halifax Vogel Group	February 2007
Form 2 – Geotechnical Risk Management prepared by Paul Stubbs & Todd Halliday	27 January 2009
Sydney Water Quick Check Stamp Property No 5338403	13 January 2009
Construction Certificate Application Form	13 January 2009

### **CERTIFICATE**

I certify that work completed in accordance with documentation accompanying the application for this certificate (with such modifications as verified by the undersigned as may be shown on that documentation) will comply with the requirements of the Environmental Planning and Assessment Regulation as are referred to in section 81A(5) of the Environmental Planning and Assessment Act 1979

**SIGNATURE** 

DATE OF ENDORSEMENT

**CERTIFICATE NO** 

26 February 2009

109/2009

## **CERTIFYING AUTHORITY**

Name of Certifying Authority Name of Accredited Certifier Registration No Contact No Address THE CERTIFICATION GROUP
Mark Wysman
BPB 0449 – NSW Building Professionals Board
PH (02) 9944 8222 FAX (02) 9944 6330
PO BOX 870 NARRABEEN NSW 2101

### **DEVELOPMENT CONSENT**

Development Consent No Date of Determination

Pittwater Council N0513/08 8 December 2008

BUILDING CODE OF AUSTRALIA CLASSIFICATION

10a



## Extrablock Datasheet

Description Extrablock is designed for use in tension structures, sails, awnings & umbrellas

Manufactured using 16 gauge monofilament and tape, Extrablock has high tensile

strength and near equal elongation in warp, weft & bias directions

Fire Retardancy comes standard in Sunblaze, Silver, Forest Green & True Blue,

while all colors have exceptionally high UVR & UPF levels

nominated

-colours

**Application** 

Tension Structures, TSHIISERGIF UN BORNEGO AND HINGS, TO MODE COUNCIL COPY DOCUMENTATION

Weight Roll Width 330gsm 3mtrs

Roll Length

32mtrs center folded and 50 & 32mtr layflat rolls

THE CEPTIFICATION GROUP APPROVED CONSTRUCTION CERTIFICATE DOCUMENTATION

Colors:

Sunblaze, Cream, Beige, Silver, Forest Green & True Blue

(Available soon Black, Charcoal & Latte)

Construction

16 Gauge Mono Yarn & Tape in HDPE

**UVR** Levels

Sunblaze 97 6, Cream 95 4, Beige 95 3, Silver 97 3, Forest Green 95 7, True Blue 97 1

**UPF** Levels

Sunblaze 41, Cream 21, Beige 21, Silver 37, Forest Green 23, True Blue 34

Shade Cover

Sunblaze 94 9, Cream 81 4, Beige 86 8, Silver 97 5, Forest Green 93, True Blue 94 5

FR AS1530 2.

Flammability 1, Spread Factor 0, Heat Factor 1

FR AS1530 3

Ignitability - 13, Spread of Flame - 7, Heat Evolved - 2, Smoke - 5

CFR:

Meets California Fire Marshalls requirements, Title 19, Section 1237

**UV Warranty** 

10 Years

**Tear Strength** 

Burst Strength Mean 3000 KPa, AS2001 2 4 -1990

Strip Tensile Test'

Warp 18 kN/m, Weft 26 kN/m, ASTM D 4595-86

Warp 200N, Weft 196N, ASTM D 1424

Elongation At Break

Warp 68%, Weft 58%, ASTM D 4595-86

Break Force.

Warp 979N, Weft 1228N, AS2001 2 3 2 - 2001

(Grab test)

Product Performance and Suitability All of the descriptive information and recommendations for use of this product shall only be used as a guide. Furnishing such information in no event constitute a warranty of any kind. Buyers shall independently test and determine the suitability of the material for the purpose for which it is intended. No one is authorized to give any warranty, (Feb 2007) guarantee or make any representation in addition or contrary to the above



Halifax Vogel Group in Australia & New Zealand 1300 558 892 (Australia wide) +61 (02) 9556 6000 (Outside Australia) 1300 658 889 (Australia wide) +61 (02) 9556 6066 (Dutside Australia) www.halifaxvogel.com.au



# **COUNCIL COPY**

THE CERTIFICATION GROUP
APPROVED CONSTRUCTION CERTIFICATE

GEOTECHNICAL RISK MANAGEMENT POLICY FOR PITTWATER DOCUMENTATION

FORM NO 2 – To be submitted with detailed design for construction certificate

Development Application for MATER MARIA (OULGE	
Name of Applicant	
Address of site FOREST ROAD, WARPIEW'UOD	
Address of site 10KEZ) 10HZ WHAT 16W 0012	
Declaration made by Structural or Civil Engineer in relation to the incorporation of the Geotechnical issues	
into the project design 🕝	
(insert name) on behalf of Ponthrop Engineers  (trading or dompany name)	
on this the 27 109	
' (date) certify that I am a Structural or Civil Engineer as defined by the Geotechnical Risk Management Policy for Pittwater	
am authorised by the above organization/company to issue this document and to certify that the	
organization/company has a current professional indemnity policy of at least \$2million   lalso certify that I have	
prepared the below listed structural documents in accordance with the recommendations given in the Geotechnical Report for the above development	
Geotechnical Report Details	
Report Title LCCTECHNICAL ASSESSMENT	
Report Date 23 JUNE 2008 Report Ref No 15427563 pt	
Author MR L I SPLECHLEY	
Structural Documents list	
BRAWING NO SOO PEV A DATE 17/10/06, SPAWING NO 1140-SUL REV A	
DATED US/08/04, DRAWING NO 1140 SOL REV A DATED 05/08/08,	
DRAWING NO 1140 SO3 REVA DATED 05/08/08	
I am also aware that Pittwater Council relies on the processes covered by the Geotechnical Risk Management Policy including this certification as the basis for ensuring that the geotechnical risk management aspects of the proposed	
development have been adequately addressed to achieve an Acceptable Risk Management' level for the life of the	
structure taken as at least 100 years unless otherwise stated and justified	
Todd Hallday (signature)	
(name) (signature)	
Declaration made by Geotechnical Engineer or Engineering Geologist in relation to Structural Drawings	
i prepared and/or technically verified the abovementioned Geotechnical Report as per Form 1 dated  and now certify that have viewed the above listed structural documents prepared for the same development of and	
satisfied that the recommendations given in the Geotechnical Report have been appropriate taken into account by	
the structural engineer in the preparation of these structural documents	
am aware that Pittwater Council relies on the processes covered by the Geotechnical Risk Management Policy including this certification as the basis for ensuring that the geotechnical risk management aspects of the proposed	
development have been adequately addressed to achieve an Acceptable Risk Management level for the life of the	
structure taken as at least 100 years unless otherwise stated and justified in the Report and that reasonable and	
practical measures have been identified to remove foreseeable risk as indicated in Report	
Signature Paul Stubbs	
Name Paul Stabbs MEAust CPEng	
The Ingititution Chartered Professional Engi	
Chartered Professional Status of Englishers Membership No. 130775	)
Membership No	
For and on behalf of Jeffery and Katouskas Pty Ltd	

1

## SYDNEY WATER APPROVED

Position of structure in relation to Sydney Water sassets is satisfactory

Connections to Sydney Water sewer/water services may saily be made following the resuc of a permit to a licensed plumber/drainer

ff is the owner's responsibility to ensure that all proposed fittings will drain to Sydney Water's sower

Any Plumbing and/or Drainage Work to be garried out in accordance with the Sydney Water Act 1994, AS 3500 and the NSW Cod of Practice

Gyllies Inspection Shafts and Boundary Traps shall not be placed under any Roof Balcony Verandah, Figo Astor Gerace ther cover unless generals appropries Sydney Water

Braperty, No Spring Hill QLD 4004 5

About 229M511a Vale Quick Clock Agent on behalf of

SYDNEY WATER Level 1 40 Frances Street

APPROVED DEVELO , 07 5536 6611 5 07 5536 7,174

NT CONSENT FLATS 35 Spring Street Bondi Junction

NOTE. THESE PLANS 02 9369 5941

MATER MARIA COLL

FOREST ROAD, WARRIEWY

PROPOSED ADDITIONAL SHADE **STRUCTURES** 

SITE PLAN

ARCHITECTURE

PROJECT MANAGEMENT

HEALTH PLANNING

INTERIORS

CHECKED

ARCHITECT

**DRAWN** 

GI

GI

PARTNER GI

SCALE

DATE

**AS SHOWN** 

03/08

PROJECT NUMBER

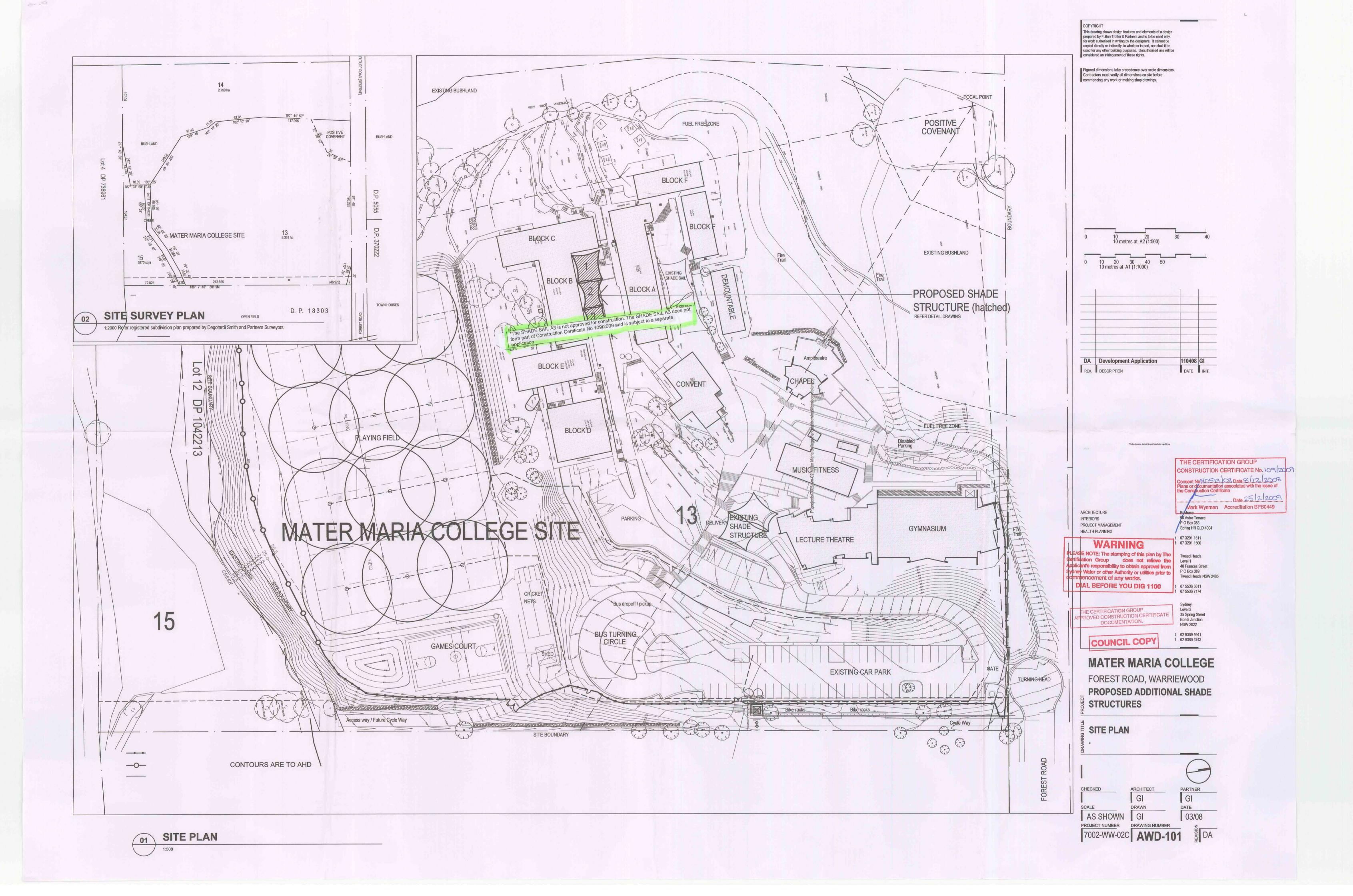
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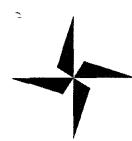
7002-WW-02C AWD-101



## COUNCIL COPY

THE CERTIFICATION GROUP APPROVED CONSTRUCTION CERTIFICATE DOCUMENTATION





# the certification group

enhancing building performance

# **COUNCIL COPY**

THE CERTIFICATION GROUP
APPROVED CONSTRUCTION CERTIFICATE
DOCUMENTATION

## APPLICATION FORM

Made under the Environmental Planning and Assessment Act 1979 Sections 81A(2)(4) 84A 85A & 109C Environmental Planning and Assessment Regulation 2000 clauses 126 139 and 149 To complete this form please place a cross in the boxes and fill out the white sections as appropriate

Application Sought	.4.	
☐ Complying Development Certificate  ☐ Occupation Certificate	★! Construction Certificate	Office Use Only CC 109 / 2009
Subject Land		A A A A A A A A A A A A A A A A A A A
Address 5 FOREST ROAD WI	APRIENOOD	
Lot No DP SP vol/fol Etc 12 10	42213	
Details of the applicant Name/Company MATER MARIA	CATHOLIC COLLEGE	Contact Person MARK SUTENS
Postal Address 5 FORETT ROAT	D WARRIEWOOD	Postcode NSW 202 State
Email Mark Suters @ abo	b. edu. au	Daytime telephone <i>99</i> 97 <b>704</b> 4
Fax 02 9997 7044	Mobile 0404	\$75190
Applicant Signature		Date
Consent of Owner(s)  I/ We as the owner/s of the above property a and to act as the Principal Certifying Authorit Notice of Commencement / Appointment of	y for the subject building works including the Principal Certifying Authority with the	site inspections and to lodge the
Name(s)/ Company MATER MAR		7.07
Address 5 FOREST ROAD		Postcode NSW State 2/02
Phone No OZ 9997 7044 N	1obile	Fax @2 9997 6042
Signature of Registered owner(s) Company	stamp or seal to be affixed if applicable	
$O_{0}$		
XXVer	ren	
Date 13/1/20	009	
, ,		



# COUNCIL COPY

Description of the work proposed	THE CERTIFICATION GROUP APPPOVED CONSTRUCTION CERTIFICATE
Type of work proposed	DOCUMENTATION
<b>™</b> New Building	
Class of Building under Building Code of Australia	
Description of the work SHADE STRUCTURE	
Construction Cost of Works \$ 15 K	
Details of Builder	
Contact Person SNUSHADE AUSTRALIA	
Name /Company DUC (ANSON)	
Fax 102 9974 4580 Mobile 0416 22	1 078
Daytime telephone 02 9974 5019 Email	
	Postcode
Details of the relevant Development Consent granted	
` <u>`</u>	Date the consent was granted 8 12 2008
•	-
Applicant Checklist	
Complete Application Form – Pages 1 & 2	
☐ Attach supporting documentation as nominated on Page 3	
_] Complete statistical Return on Page 4	
Private Policy	
The information you provide in this notice is required under the Environmental F	-
erect a building. If you do not provide the information to the consent authority ye	ou cannot commence the work The information will be
held by the consent authority and by the council (if the council is not the consent	t authority) Please contact the certification group if the
information you have provided in this notice is incorrect or changes	
Date of receipt (To be completed by Certifying Authority)	
Date 10-2-2009	



# COUNCIL COPY

THE CERTIFICATION GROUP

APPROVED CONSTRUCTION CERTIFICATE

DOCUMENTATION

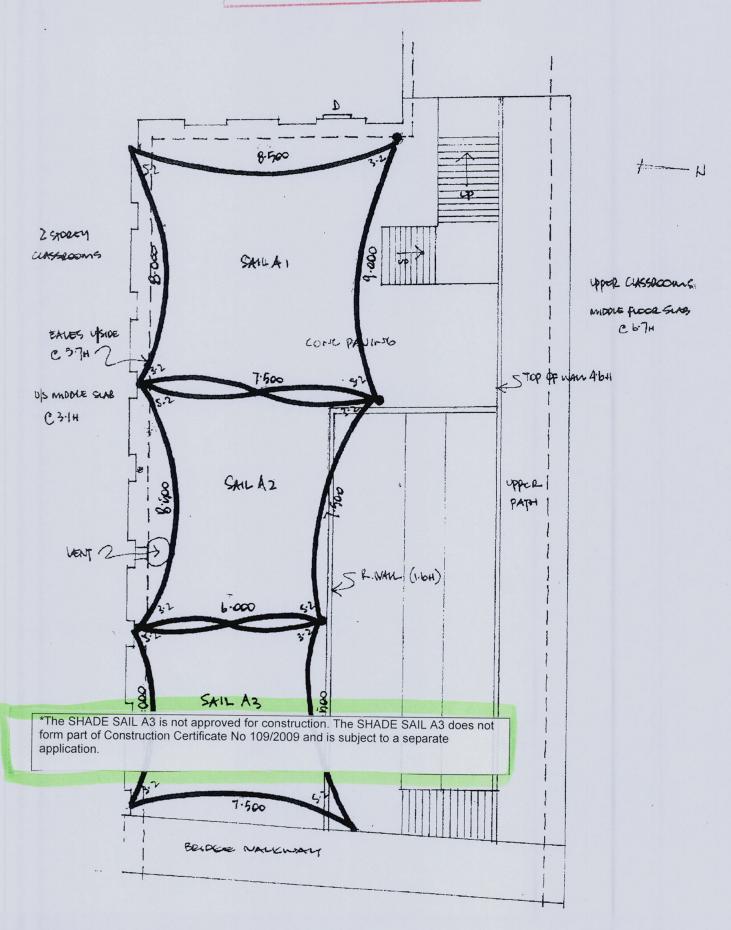
## STATISTICAL RETURN FOR AUSTRALIAN BUREAU OF STATISTICS

What is the site area of land?		Area in square meters 5.64			
Gross floor area of existing building?	f no existing building, write NIL.	Area in square meters			
What is the existing building or site i	used for at present?	Main Uses Education			
The state of the s	*	Other Uses			
Does the site contain dual occupancy?		⊥Yes 🔏 No			
Gross floor area of proposed building?		In square meters (20m²			
What will the proposed building be used for? Main		Main Uses shade structure	Main Uses shade structure		
	3 The second sec	Other Uses			
How many dwellings?	lów many dwellings/ b/L				
Are pre-existing at this property?	his property? Dwellings No				
Are proposed to be demolished? Dwellings NO					
Are proposed to be constructed?		Dwellings 455			
Are attached to an existing building?		Dwellings_もの			
Are attached to a new building?		Dwellings_NO			
How many storeys will the building consist of		Storeys single	**************************************		
What are the main building materials	(Please tick appropriate boxes	3)			
WALLS	ROOF	FŁOOR	FRAME		
☐ Full Brick	_ Aluminium	☐ Concrete or slate	_: Timber		
_] Brick Veneer	☐ Concrete or Slate	7 Timber	Steel Steel		
☐ Concrete or Stone	] Tile	_  Other	Aluminium		
<b>∑</b> Steel	☐ Fibrous Cement	☐Unknown	Other		
☐ Fibrous Cement	l Steel		Unknown		
Timber/weather board	<b>≯</b> Other				
_i Cladding aluminium	Unknown				
Curtain glass					
J Other					
Halanava					

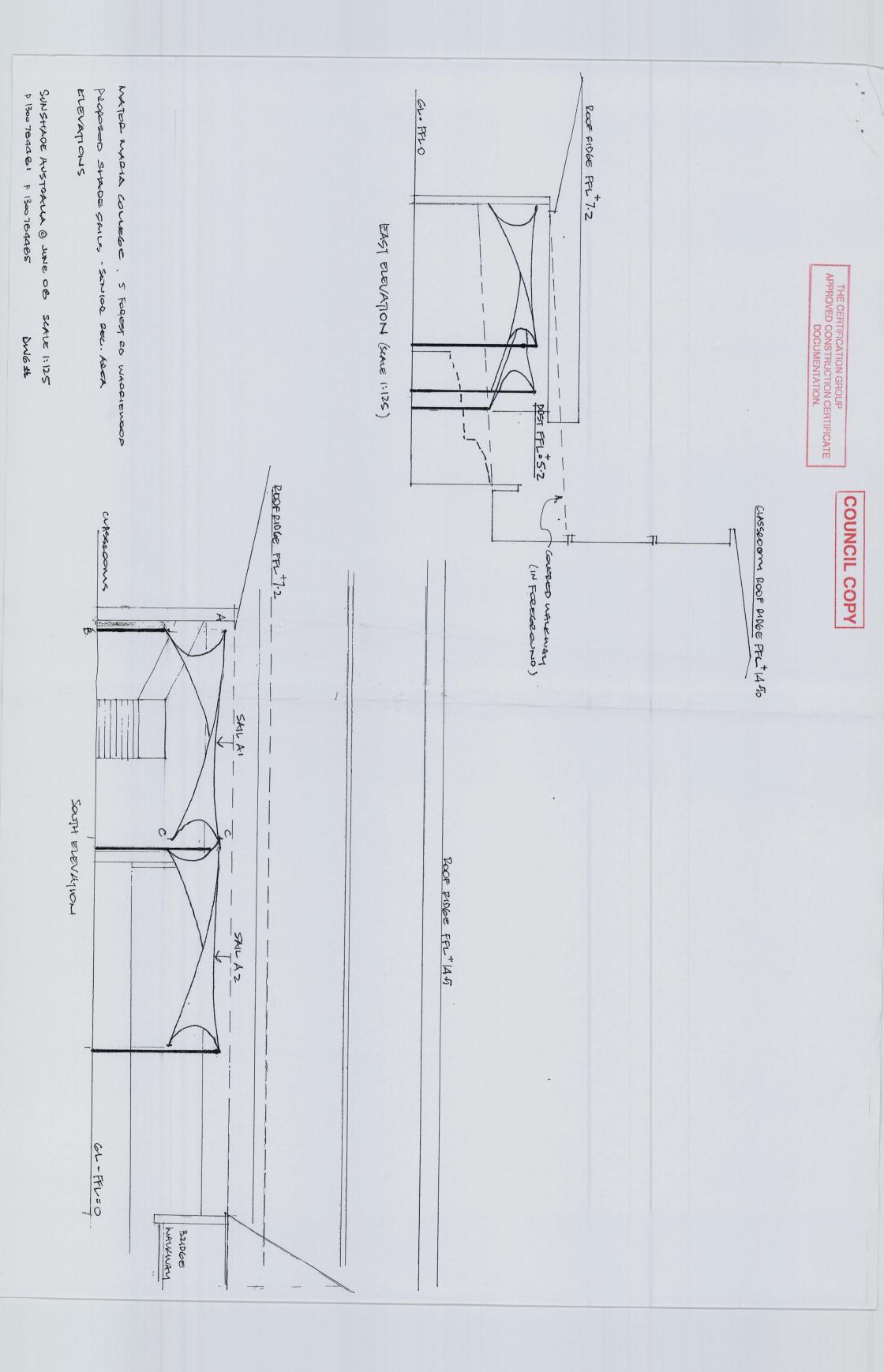
THE CERTIFICATION GROUP Unit 3/6 Wilmette Place Mona Vale NSW 2103 PO Box 870 Nat rabeer NSW 2101 tel 9944 8222 fax 9944 6330 email info@ce tgroup.com.au www.certgroup.com.au abn 4 / 121 229 166 trading as The Certification Group

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DOCUMENTATION.

## **COUNCIL COPY**



SHAPE SALL STANGUER BY SIN SHAPE AUSTRALIA & SCALE 1:125 DWG O



ISSUIB

GI THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS AND OTHER CONSULTANTS DRAWINGS OF ALL DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK OF ALL WORKMANISHIP TESTING MATERIALS AND SUPERVISON ARE TO BE IN ACCORDANCE WITH THESE SPECIFICATIONS THE OCCUPATIONAL HEALTH AND SWFETY ACT 1983 ENFORCED BY THE WORKCOVER AUTHORITY AND CUPRENT RELEVANT AUSTRALIAN STANDARDS OF PROPRECIARY TEMS SPECIFIED SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS DO NOT WARY SPECIFIED PROPRETARY PRODUCTS WITHOUT WRITTEN APPROVAL FROM THE

ENGINEER

66 UNLESS DTHERWISE SPECIFIED FOR SPECIFIC INSTANCES IN THE DESIGN DRAWAGS. THE ARRANGEMENT DESIGN AND INSTALLATION OF TEMPORARY WORKS REWAINS THE RESPONSIBILITY OF THE CONTRACTOR. (THE CONSULTING ENGINEER HAS DESIGNED THE PERMANENT STRUCTURE)

67 TEMPORARY BRACING AND SUPPORT OF STRUCTURE IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MANTAINED DURING ALL STAGES OF CONSTRUCTION

68 THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH SAA CODES REFER TO INDIVIDUAL SITE DRAWINGS FOR WIND LOADING DESIGN CRITERIA

CONSTRUCTION

# FOUNDATIONS

CAD2 ALTERNATIVE CHEMICAL ANCHORS MAY BE SUBSTITUTED WITH PRIOR PERMISSION FROM THE SUPERINTENDENT CAD3 MINIMUM EDGE DISTANCE AND SPACING SETOUT OF THE ANCHORS ARE SPECIFED ON THESE DEALWARS. IF:

CAST UNLESS NOTED OTHERWISE CHEMSET'S SPECIFIED IN THESE DRAWINGS REFER TO RAWSET CHEMSET INJECTION CHEMICAL ANCHORS (GALVANISED)

JUB MANAGER THALLIDAY JOB VERIFER TH

INSTALLED DISTANCES ARE LESS THAN THAT SPECIFIED NOTIFY THE SUPERINTENDENT FOR AUSTRUCTION CAGA. CHEMICAL ANCHORS ARE TO BE STRICTLY INSTALLED TO MANUFACTURERS INSTALLATION PROCEDURE DO NOT CORE DRILL HOLES MANUFACTURERS SPECIFICATION FOR NOMINATED BOLT/BAR DAMETER DRILL HOLES USING A

CAOT ENSURE CHEMOAL IS ALLOWED TO FULLY CURE IN ACCORDANCE WITH MANUFACTURE'S DETAILS PRIOR TO LOADING CADE CLEAN AND DEGREASE BOLTS/BARS PRIOR TO INSTALLATION BOLTS/BARS

DESIGNER M D Urso

RAWN A Sarkiss

Todd Halliday

North Dignal Synat
Structural Engineer
BE ME Studies MIEAust CPEng NPER 975270

ISSUF

AMENDMENT

For Construction

T H

H

NORTHROP

ENGINEERS

OD HOUSEN Road Austral Scene 216
System NSW 2000 Austral Scene 216
Telephone (D) seat also kernotte (T) span
Fasc mb (D) seat also kernotte (T) span
ASN 82 064 77 5 088
Em i syd oyikho il rop com gut

VERIFIED APPROVED

FI UNLESS NOTED OTHERWISE THE FOUNDATIONS HAVE BEEN DESIGNED ON THE BASIS OF 300mm MAXIMUM OF TOP SOIL UNDERLAIN BY STIFF CLAY WITH AN ALLOWABLE BEARING PRESSURE OF 150 kPg.
F2 A RISE OF 1m and A RUN OF 15m SHALL NOT BE EXCEEDED FOR THE LINE OF SLOPE BETWEEN ADJACENT FOOTINGS OR EXCANATIONS
F3 FOOTINGS SHALL BE LOCATED CENTRALLY UNDER POSTS UNLESS NOTED OTHERWISE
F4 WHERE ADDITIONAL EXCANATION IS REQUIRED DUE TO LINCATISFACTORY FOUNDATION MATERIAL POUR 10MPA MASS CONCRETE TO THE UNDERSIDE OF FOOTINGS
ONCRETE TO THE UNDERSIDE OF FOOTINGS
F5 ENSURE THAT THE STRAILLTY OF ADJACENT BUILDINGS IS MAINTAINED DURING ALL STAGES OF CONSTRUCTION

F THE

M16 8 8/S BOLTS

6mm CONTINUOUS FILLET WELDS WADE WITH E4818 MILD STEEL ELECTRODES
ALL WELDS SP CATEGORY

- HOT ROLLED SECTIONS = 300MPa
- SQUARE HOLLOW SECTIONS = 350MPa
- RECHANGILAR HOLLOW SECTIONS = 350MPa
- CROCILAR HOLLOW SECTION = 350MPa
55 SURFACE TREATMERT UNLESS NOTED OTHERWISE
- PROTECTED FROM WEATHER - CLASS 1 CLEAN (MECHANICAL BRUSH DNLY) APPLY 50 MICRONS OF ALKYO PRIMER

- THE SURFACE FINSH OF THE COATING SHALL BE FREE FROM RUNS DAGS SPIKES UNEVEN SURFACES AND ROUGHNEESS. THE COATING THICKNESS SHALL BE UNIFORM WITH A MAXIMUM DENATION OF +/- 10% FROM THE COATING THICKNESS NOMINATED IN AS/NZS 4680 1999. THE APPEARANCE AND SURFACE CONDITION OF THE COATING SHALL TAKE ACCOUNT OF THE NEED FOR VISIBLE UNIFORMITY AND BE ABLE TO COPE WITH HANDLING AND PHYSICAL CONTACT IN PUBLIC AREAS.

STEEL WORK

51 FABRICATE AND ERECT STRUCTURAL STEELWORK IN ACCORDANCE WITH AS4100

52 PROVIDE HOLES CLEATS AND FIXING FOR TIMBER FRAMING FINISHES ETC SHOWN ON ARCHITECTURAL DRAWINGS

53 ALL BOLTS SCREWS HOLD DOWN BOLTS MASONRY ANCHORS SHALL BE HOT DIP GALVANISED TO AS1214

54 MINIMUM YIELD STRESS

54 MINIMUM YIELD STRESS

55 HOT ROLLED SECTIONS

56 SQUARE HOLLOW SECTIONS

56 SQUARE HOLLOW SECTIONS

56 SQUARE

56 SQUARE HOLLOW SECTIONS

56 SQUARE

56 SQUARE

57 SQUARE

58 SQUARE

CONCRETE

C1 CARRY OUT ALL CONCRETE W

C2 CONCRETE SHALL OBTAIN A C

-AMRY VUI ALL CONCRETE WORK IN ACCORDANCE WITH AS3600 AND NAISPEC CONCRETE STANDARDS CONCRETE SHALL OBTAIN A COMPRESSIVE STRENGTH OF 20 MPG AFTER 28 DAYS --MAXIMUM AGGREGATE SIZE = 20mm UNO

-SLUMP = 80mm

C3 HOLD DOWN BOLTS SHALL BE HOT DIPPED GALVANISED

C4 UN 0 CLEAR CONCRETE COVERS SHALL BE
ENVIRONMENT

(SPI-A IN AS/AZSZ312)

- EXPOSED TO WIATHER - LPI LP2 LP3 LP4 LP5 LP6 GZLP OR GZ(SELF FINSH) TO AS/NZSZ312

- CONTRACTOR TO PROVIDE DETAILS OF THE SELECTED PAINT SYSTEM

- BUILT INTO AN EXTERNAL MASONRY WALL - CLASS 25 BLAST CLEAN FOLLOWED BY 70 MICRONS OF INORGANIC ZINC SILICATE MP1-A AS/NZS 2312 OR GALVANISED WITH MINIMUM COAT OF EXOQ/SQ m

- (IF GALVANISING IS THE FINSHED COATING AND)

- SELF FINISH REFERS TO THE STANDARD OF GALVANISING FINISH REQUIRED WHEN AESTHETIC APPEARANCE IS NEEDED IT IS ADDITIONAL TO THE STANDARD OF FINISH REFERED TO IN AS/NZS 4880 1999 FOR THE PURPOSES OF DECORATIVE USE. THIS SPECIFICATION SHALL BE PROVIDED TO THE CONTRACTOR PRIOR TO COMMENCEMENT OF

- DAMAGE TO THE COATING THAT DOES NOT EXCEED 0 2sq m MAY BE REPAIRED USING A ZING STICK IN ACCORDANCE WITH ASJNZS 4580 1999 WITHIN 49HRS COMPONENTS CONTINUING AREAS OF DAMAGE EXCEEDING 0.2sq m SHALL BE STREPED AND REGALVANISED NOTE REPAIR USING ZING 30CH PAINT IS NOT ACCEPTABLE PERCENT PHOSPHOROUS TEST CERTIFICATES SHALL BESUBMITTED TO VERIFY THIS BEFORE FABRICATION S6 BOLT SYMBOLS
- 88/S - SNUG FIT
- 88/TB - FULLY TENSIONED FRICTION TYPE (USE LOAD INDICATOR WASHERS)
- 88/TB - FULLY TENSIONED BEARING TYPE (USE LOAD INDICATOR WASHERS)
- 89/TB - FULLY TENSIONED BEARING TYPE (USE LOAD INDICATOR WASHERS)
- 10mm GUSSET FIN AND END PLATES
- 10mm GUSSET FIN AND END PLATES

- MEMBERS W DIRECT CONTACT WITH THE GROUND
- MEMBERS SEPARATED FROM GROUND BY MEMBRANE
- MEMBERS SEPARATED FROM GROUND BY MEMBRANE
- MEMBERS SEPARATED FROM GROUND BY MEMBRANE
- MEMBERS W EXTERIOR EVIRONMENTS
- STRUCTURAL GRADE PLAIN ROUND BAR TO AS1302 (250MPa)OMP
- SE STRUCTURAL GRADE PLAIN ROUND BAR TO AS1302 (250MPa)OMP
- N = HOT ROLLED DECORNED BAR TO AS/NZS 4671 (500MPa)
- SL = LOW DUCTURY SEQUARE MESH (500 MPa)
- SL = LOW DUCTURY RECTANGULAR MESH (500 MPa)
- L = LOW DUCTURY TERNOH MESH (500 MPa)
- L = LOW DUCTURY TERNOH MESH (500 MPa)
- THE NUMBER FOLLOWING THE SYMBOL IS THE NONINAL BAR DIAMETER IN MILLIMETRES
- CLASS L REINFORCEMENT SMALL NOT BE USED UN O
- C8 MINIMUM CONCRETE CORER TO STEEL POSTS IN FOOTINGS SHALL BE 100mm WARNING

any variations that may occur during construction structural ac Structural [ stamping Structural E PLEASE NOTE: A comprehensive check of the tion Group Design has not been carried out. The of this STRUCTURAL PLAN by The Engineers responsibility to certify the equacy of this development including does not relieve the

THE CERTIFICATION GROUP APPROVED CONSTRUCTION CE COU ED CONSTRUCTION CERTIFICATE DOCUMENTATION. INCIL COPY

SUNSHADE AUSTRALIA STRUCTURES

STRUCTURAL NOTES

SOO NO 06444

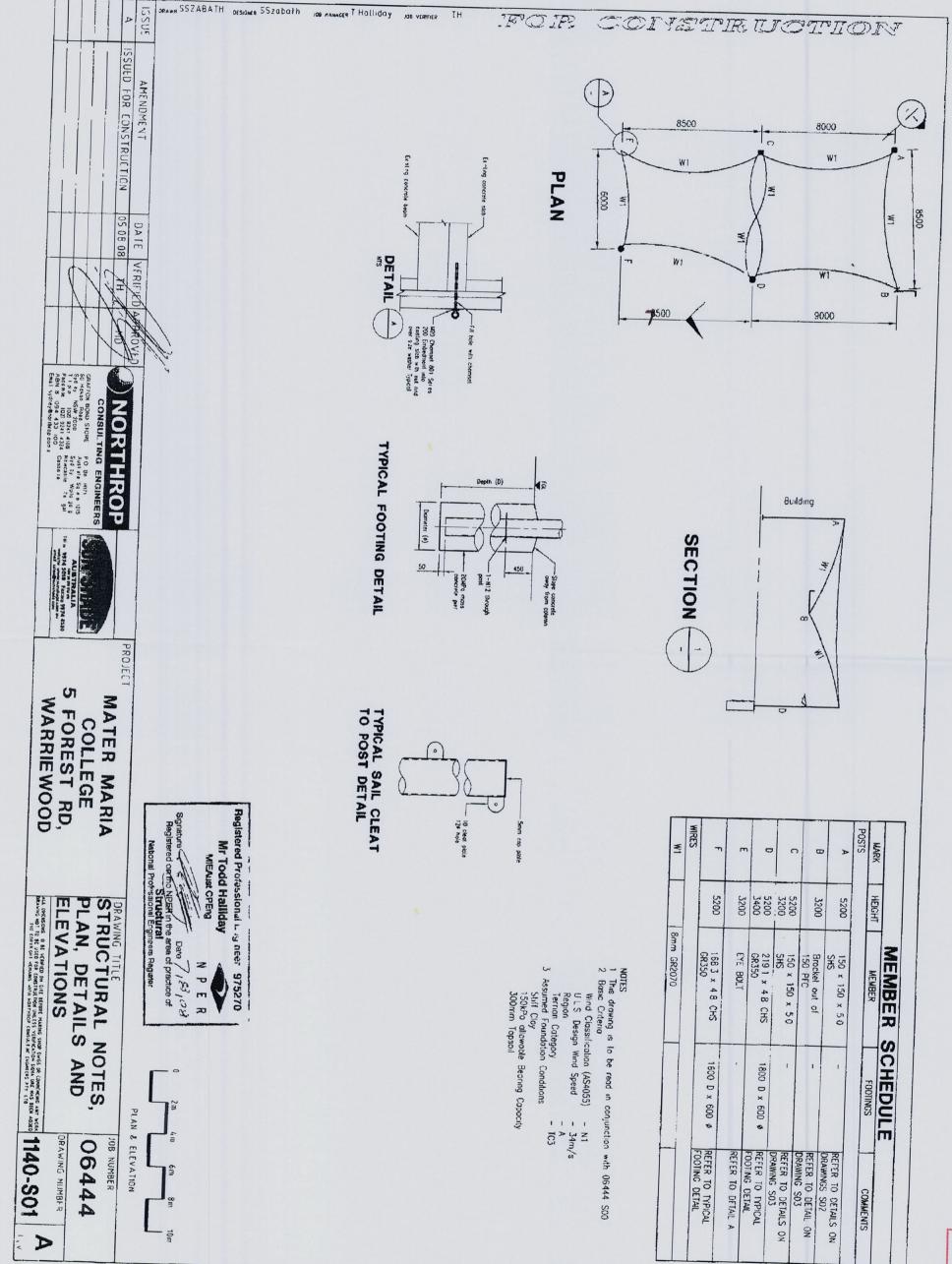
OB NUMBER

DIAY OF GENERAL BE USED FOR CONSTRUCT OR WILL CONTRIBUTE ON STE BEFORE HAKING SKOP DWGS OR COMMINING ANY WORK
THOM WARES VERIFICATION SIGNATURE HAS BEEN ABOED DRAWN
MARS WITH HORTHROP EMBNIZERS

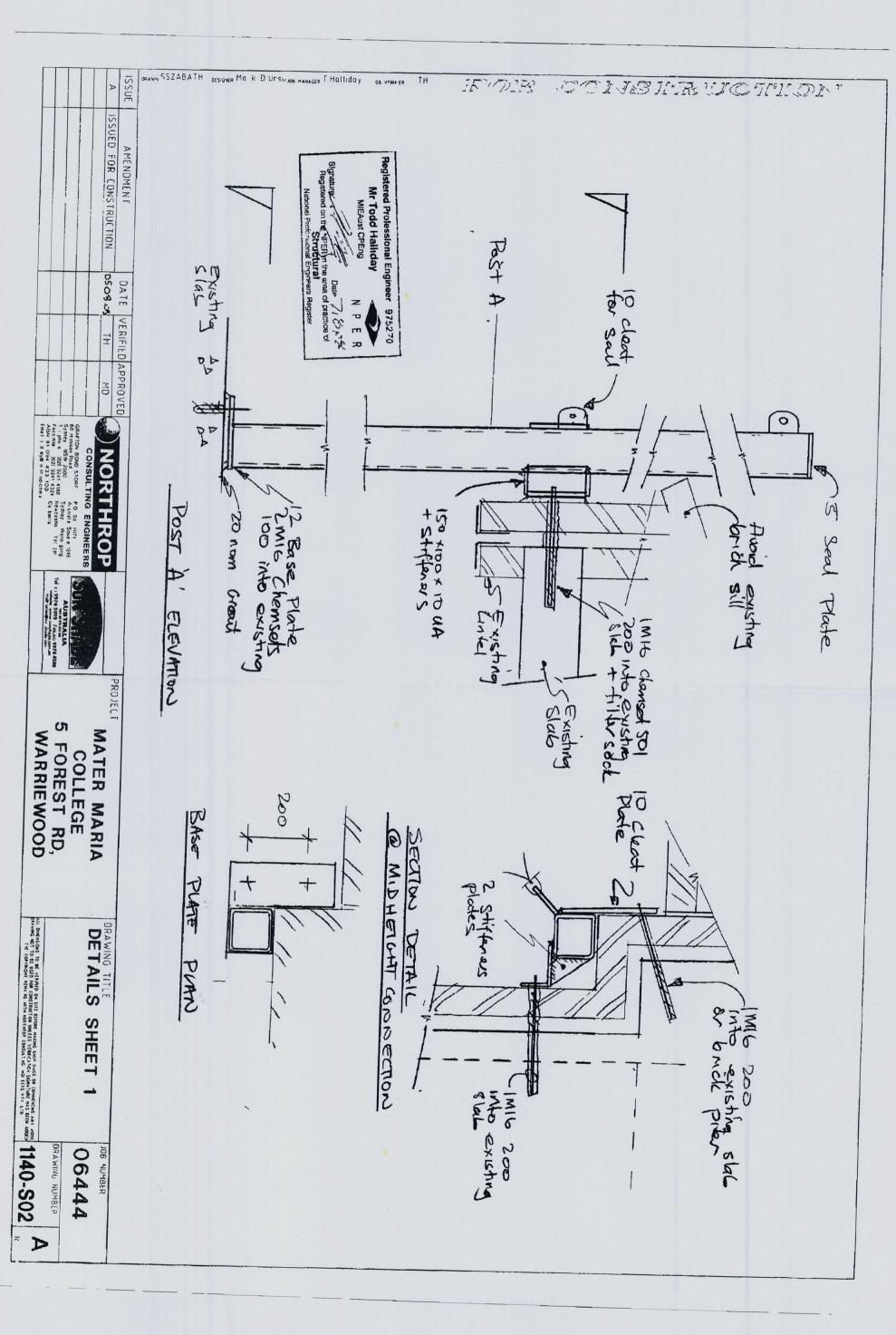
Oct 06 Aramseen

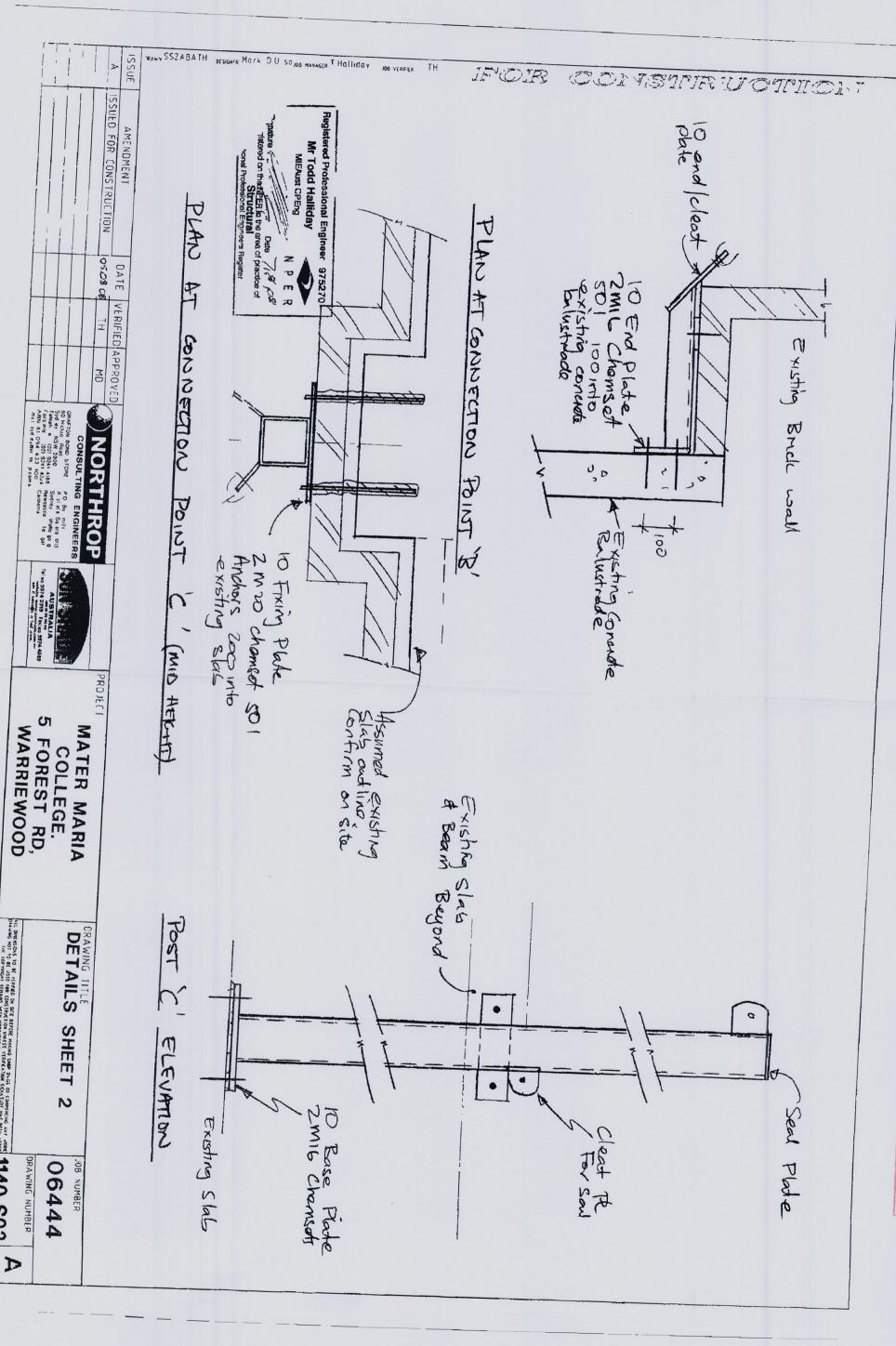
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DOCUMENTATION.

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