

PROPOSED INDUSTRIAL BUILDING **CLIENT: CRAIG MORLEY** ADDRESS: LOT 27 ACCESS CRESCENT, COOLUM, QLD BUILDING CLASSIFICATION 7/8 TYPE C CONSTRUCTION



CONSTRUCTION GENERALLY
THE BUILDER SHALL BE RESPONSIBLE FOR MAINTAINING STABILITY
OF THE STRUCTURE UNTIL COMPLETION OF CONSTRUCTION AND
SHALL ENSURE THAT NO PART OF THE STRUCTURE IS OVER STRESSED BY CONSTRUCTION LOADING.

STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL CONSULTANTS DRAWINGS AND SPECIFICATIONS.

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES OF PRACTICE EXCEPT WHERE VERIFIED BY THE SPECIFICATIONS AND DRAWINGS.

AS 1720 - TIMBER STRUCTURES AS 3600 - CONCRETE STRUCTURES AS 4100 - STEEL STRUCTURES

NATIONAL CONSTRUCTION CODE OF AUSTRALIA

REMOVE ALL VEGETATION AND TOPSOIL WITHIN THE AREA THAT THE BUILDING IS TO OCCUPY. CUT OR FILL TO LEVELS SHOWN IN THE DRAWINGS. MATERIAL TO BE USED AS FILL SHOULD BE APPROVED BY THE ENGINEER AND COMPACTED AS SPECIFIED.

PROVIDE EROSION AND SEDIMENT CONTROL STRUCTURES AND MAINTAIN IN A FUNCTIONAL CONDITION TO LOCAL AUTHORITY

OPENINGS IN EXTERNAL WALL CLADDING EXPOSED TO THE WEATHER MUST BE FLASHED USING MATERIALS THAT COMPLY

RETICULATE STORMWATER TO STREET CHANNEL, APPROVED EASEMENT OR OTHERWISE AS DIRECTED BY THE LOCAL AUTHORITY & DESIGNED BY THE HYDRAULIC ENGINEER.

SEWERAGE DISPOSAL SHALL BE AS DESIGNED BY THE HYDRAULIC ENGINEER.



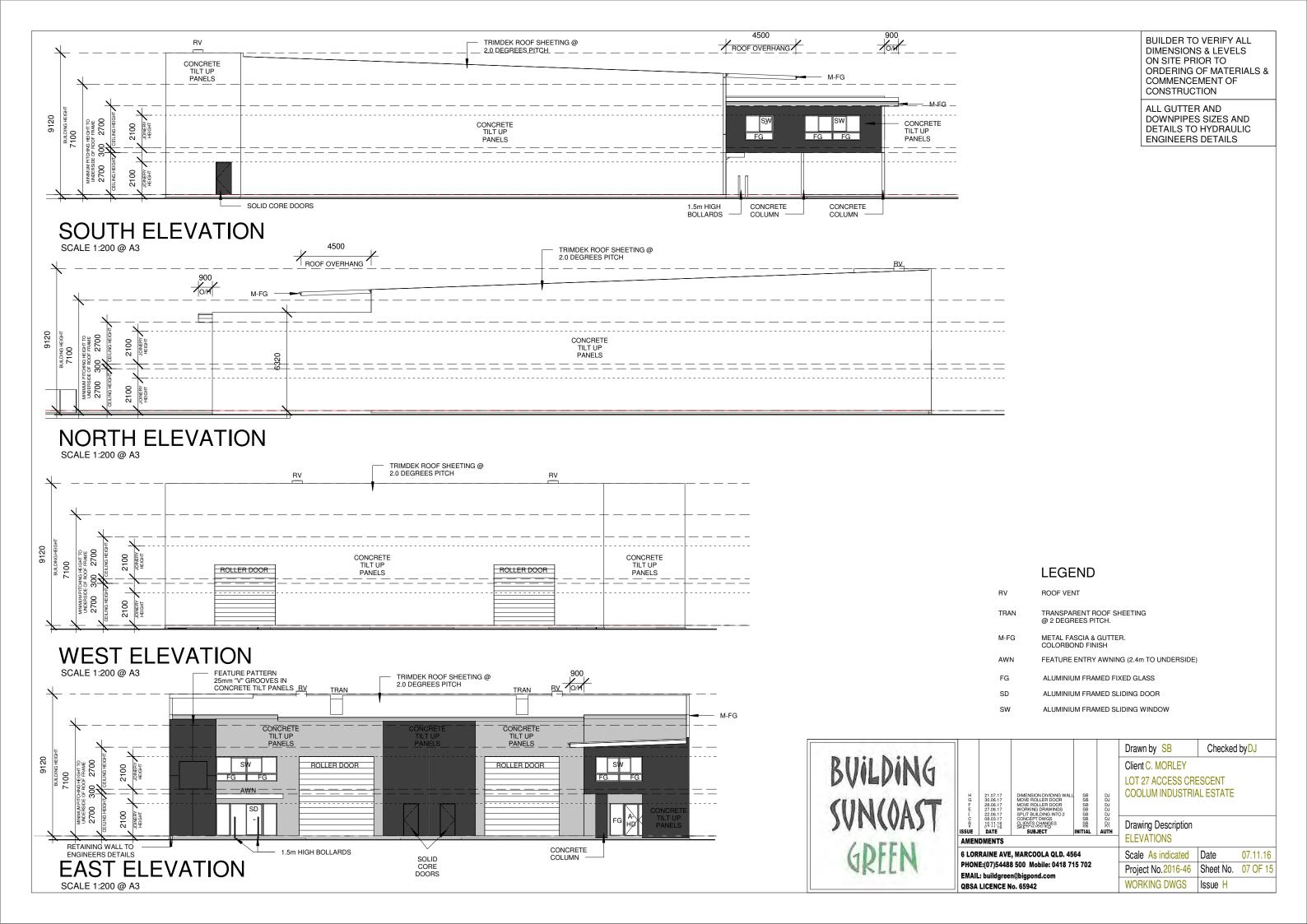


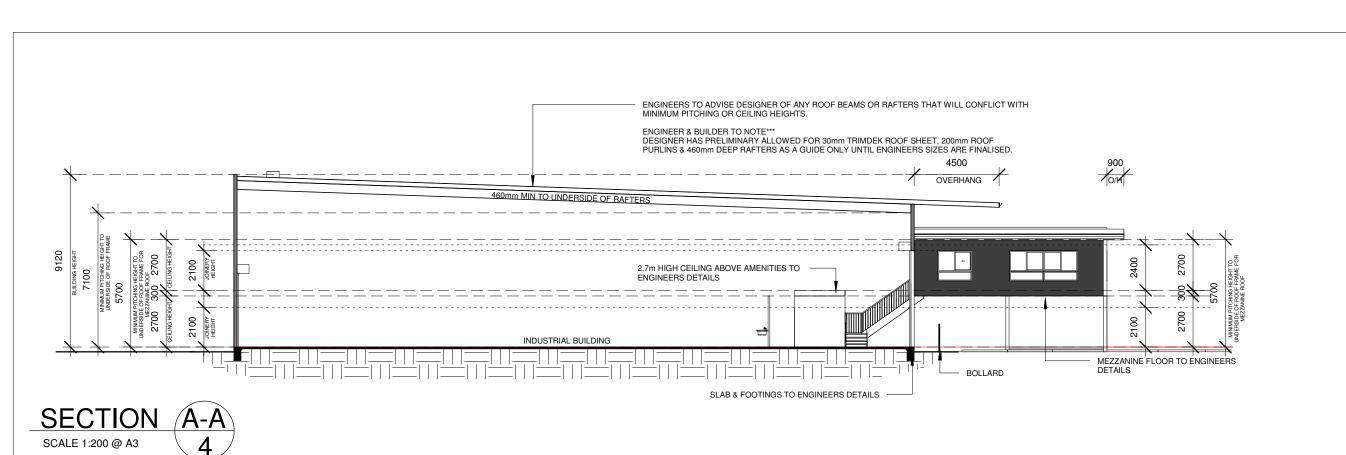
ISSUE	DATE	SUBJECT	INITIAL	AUTH
B A	10.11.16 07.11.16	CLIENTS CHANGES SKETCH ISSUED	SB SB	DJ DJ
C	08.03.17	CONCEPT DWGS	SB	DJ
Ĺ	22.06.17	SPLIT BUILDING INTO 2	SB	DJ
E	27.06.17	WORKING DRAWINGS	SB	DJ
F	28.06.17	MOVE ROLLER DOOR	ŠB	DĴ
Ġ	30.06.17	MOVE BOLLER DOOR	SB	DŬ
н	21.07.17	DIMENSION DIVIDING WALL	SB	DJ
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6 LORRAINE AVE, MARCOOLA QLD. 4564 PHONE:(07)54488 500 Mobile: 0418 715 702 EMAIL: buildgreen@bigpond.com **QBSA LICENCE No. 65942**

Drawn by SB	Checked by DJ
Client C. MORLEY	
LOT 27 ACCESS CRE	SCENT
COOLUM INDUSTRIA	AL ESTATE

Drawing Description COVER SHEET		
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ENGINEERS TO ADVISE DESIGNER OF ANY ROOF BEAMS OR RAFTERS THAT WILL CONFLICT WITH MINIMUM PITCHING OR CEILING HEIGHTS.

ENGINEER & BUILDER TO NOTE***
DESIGNER HAS PRELIMINARY ALLOWED FOR 30mm TRIMDEK ROOF SHEET, 40mm ROOF BATTENS

& 245mm DEEP RAFTERS AS A GUIDE ONLY UNTIL ENGINEERS SIZES ARE FINALISED.

OFFICE 1 TENANCY 2

B-B

SECTION

SCALE 1:200 @ A3

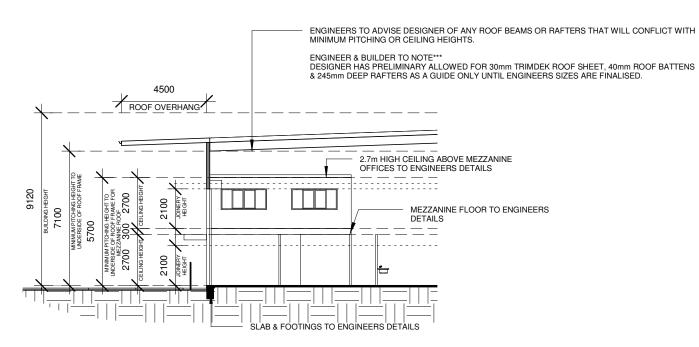
2700

MEZZANINE FLOOR TO ENGINEERS DETAILS

SLAB & FOOTINGS TO ENGINEERS DETAILS

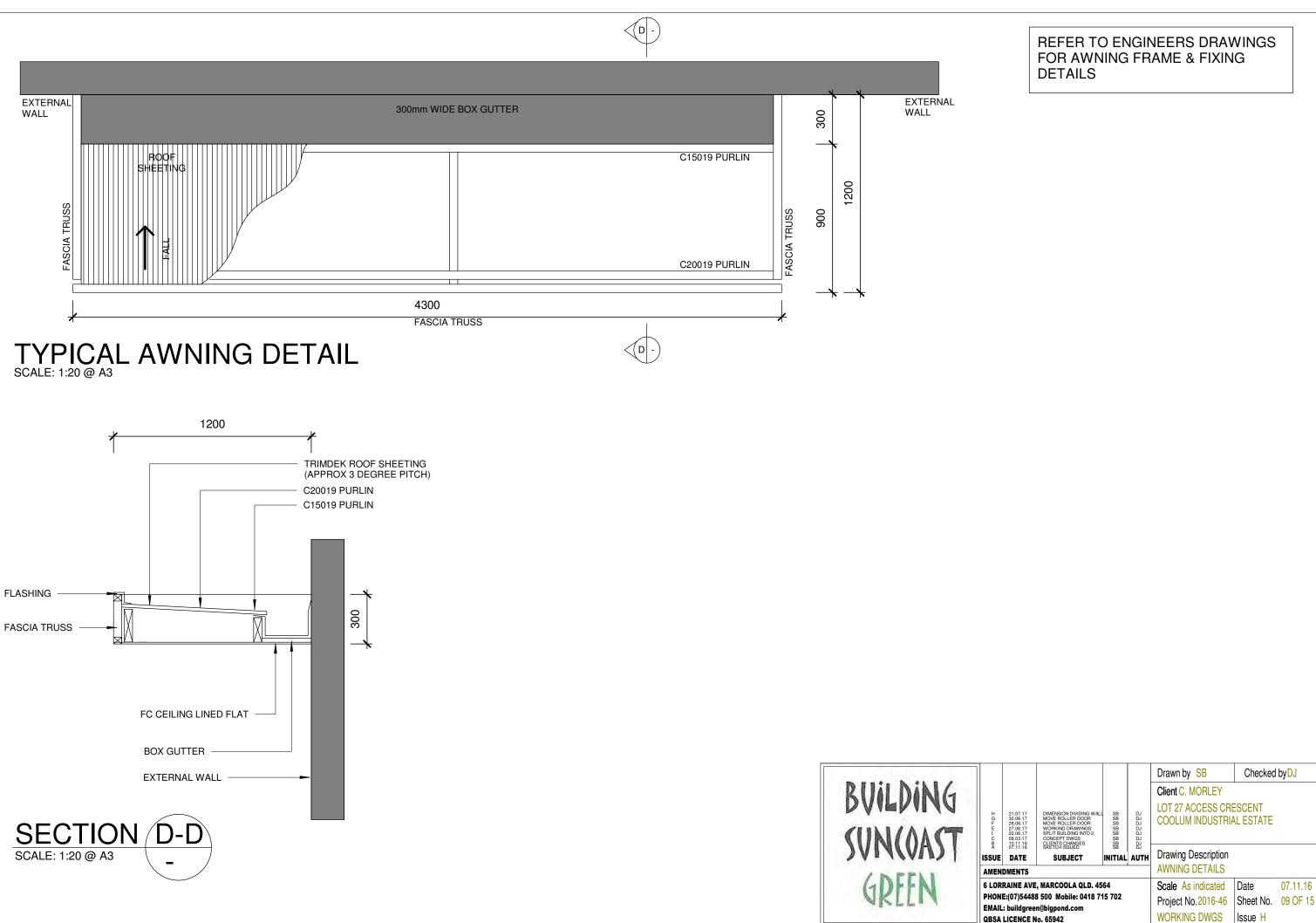
BUILDER TO VERIFY ALL DIMENSIONS & LEVELS ON SITE PRIOR TO ORDERING OF MATERIALS & COMMENCEMENT OF CONSTRUCTION

ALL GUTTER AND DOWNPIPES SIZES AND DETAILS TO HYDRAULIC ENGINEERS DETAILS







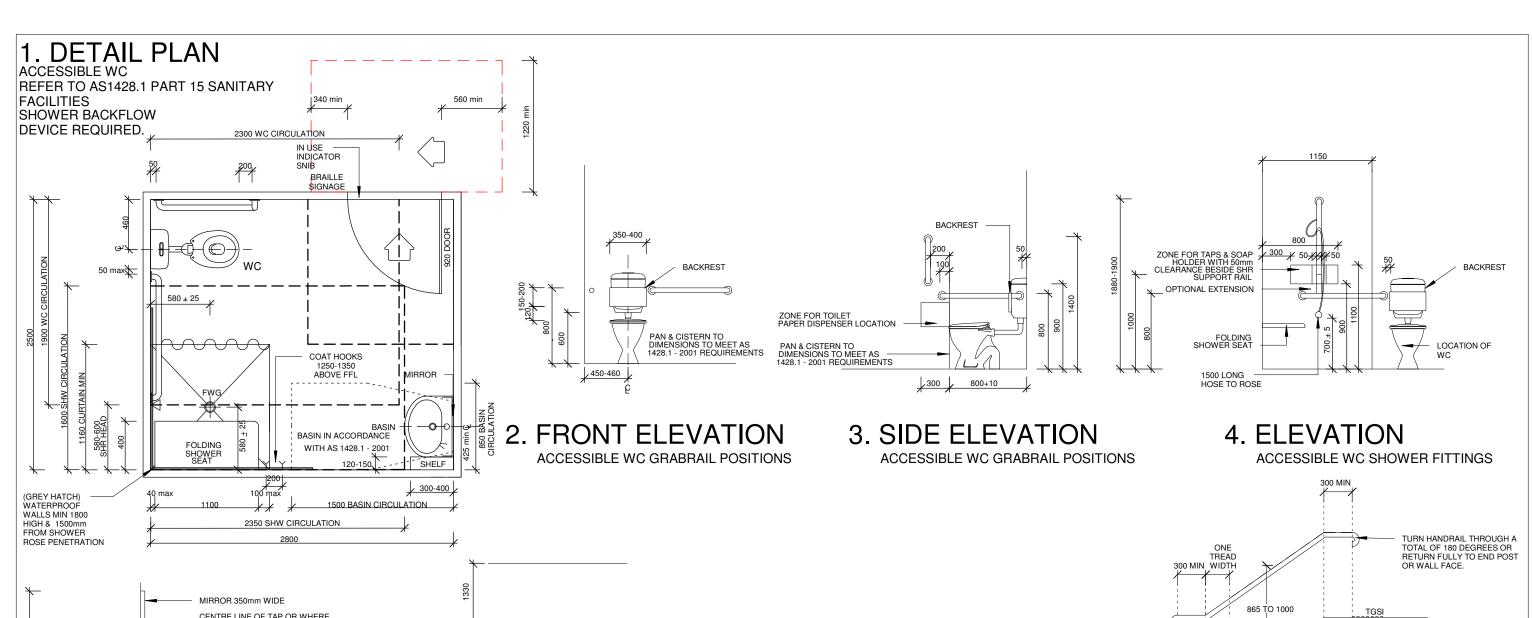


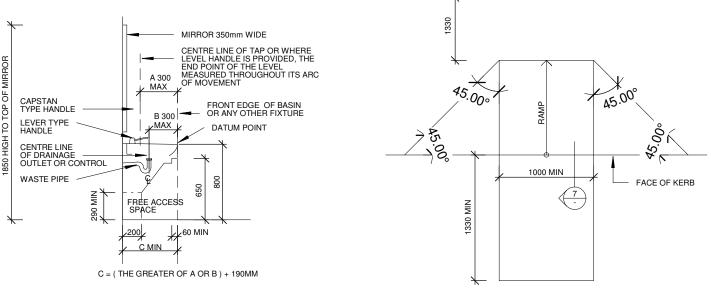
REFER TO ENGINEERS DRAWINGS FOR AWNING FRAME & FIXING

Checked by DJ

Issue H

07.11.16





6. DETAIL PLAN

KERB & STEP RAMPS

ACCESSIBLE NOTES

5. SIDE ELEVATION

ACCESSIBLE WC WASHBASIN POSITION

ALL CONSTRUCTION RELATING TO ACCESS AND MOBILITY FOR PERSONS WITH

DISABILITY TO BE IN ACCORDANCE WITH AS

DOOR HANDLES ARE TO

BE LOCATED MIN 900mm-MAX 1100mm ABOVE FFL. PROVISION FOR ENTRANCES TO BUILDINGS IN ACCORDANCE WITH AS. 1428.1, 2009

30x30 ROLLER SWITCHES TO GPO'S & SWITCHES (ie. CLIPSAL PRESTIGE 2000 SERIES)
GPO'S @ 600 ABOVE FFL & MIN 500 FROM INTERNAL CORNERS TO SWITCHES & CONTROLS CONTINUOUS PATH OF TRAVEL IN ACCORDANCE WITH AS. 1428.1, 2009.

ACCESS WAYS, WALKWAYS, RAMPS, LANDINGS & DOORS SHALL BE CONSTRUCTED WITH NO LIP OR

STEP AT JOINTS BETWEEN ABUTTING SURFACES NOTE: A CONSTRUCTION TOLERANCE OF 5mm IS ACCEPTABLE USING ROUNDED OR BEVELED EDGES.

SWITCHES & GPO'S ARE TO BE LOCATED 500mm MIN FROM ADJACENT CORNERS.

THRESHOLD RAMPS ARE TO HAVE A MAX GRADIENT OF 1:8 OVER 450mm. THE RAMP & SLOPING SIDE ARE TO BE SLIP RESISTANT & OF A CONTRASTING COLOUR TO THE

TACTILE INDICATORS ARE TO BE INSTALLED AS SPECIFICIED ACCESS-NEW BUILDING WORK. IN AS1428.1

SIGNS, INCLUDING SYMBOLS, NUMBERING & LETTERING SHOULD BE LOCATED AS SPECIFIED IN

7. DETAIL SECTION

1520 MAX

1:8 MAX

1330 MIN

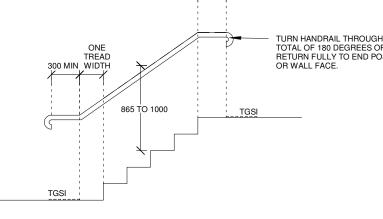
KERB & STEP RAMPS

SCREENING NOTE

160 MIN

SCREENING OF A DOORWAY FROM A ROOM CONTAINING A CLOSET PAN, MUST COMPLY WITH NCC, CLAUSES F4.8, F4.9 & AS1428.1, DESIGN FOR ACCESS & MOBILITY,

PART 1: GENERAL REQUIREMENTS FOR



THE STAIR PROVIDING ACCESS TO THE UPPER LEVEL MUST COMPLY WITH AS1428.1, WHICH

INCLUDE THE FOLLOWING REQUIREMENTS:

1. A CONTRASTING COLOUR STRIP 50-75mm WIDE AT THE NOSING OF TREADS; AND

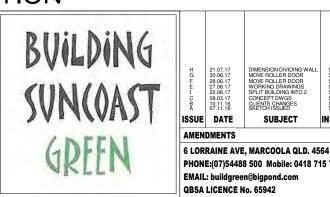
2. HANDRAILS ALONG EACH SIDE OF THE STAIRWAY; EXTEND BY 300mm AT THE BOTTOM; AND

3. A MINIMUM CLEAR STAIRWAY WIDTH OF 1000mm BETWEEN HANDRAILS; AND

4. IF THE STAIRS ARE TO BE USED BY THE PUBLIC, TACTILE GROUND SURFACE INDICATORS AT THE TOP & BOTTOM OF THE STAIRWAY (600mm WIDE SETBACK 300mm FROM THE FIRST RISER)

8. DETAIL SECTION

STAIR & HANDRAIL



					Drawn by SB	Checked by DJ
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	21.07.17 30.06.17 28.06.17 27.06.17 22.06.17 08.03.17 10.11.16	DIMENSION DIVIDING WALL MOVE ROLLER DOOR MOVE ROLLER DOOR WORKING DRAWINGS SPLIT BUILDING INTO 2 CONCEPT DWGS CLIENTS CHANGES	SB SB SB SB SB SB	DJ DJ DJ DJ	LOT 27 ACCESS CRE COOLUM INDUSTRIA	
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EN	DMENTS				ACCESSIBLE DETAIL	_S

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ENERGY EFFICIENCY- NCC 2016 PART J. (Climate zone 2- Class 7/8 building)

THE CLASS 7 / 8 BUILDING MUST BUILT TO IN ACCORDANCE WITH THE REQUIREMENTS LISTED BELOW TO COMPLIED WITH THE ENERGY EFFICIENCY REQUIREMENTS FROM THE 2016 NCC PART J. THIS BUILDING IS LOCATED IN CLIMATE ZONE 2.

J1 - BUILDING FABRIC.

(A) BETWEEN CONDITIONED SPACES ("AIR- CONDITIONED") OR HABITABLE ROOMS AND EXTERIOR OF THE BUILDING. (B) IF INPUT TO A/C IS LESS THAN 15W/M2 THEN NOT CONSIDERED A CONDITIONED SPACE.

J1.2 - THERMAL CONSTRUCTION GENERALLY

INSULATION TO BE INSTALLED TO COMPLY WITH AS/NZS 4859.1

J1.3 - ROOF & CEILING CONSTRUCTION

1. TO CONDITIONED SPACES TOTAL R-VALUE REQUIRED IS: R3.2 ** See Detail 3 (roof above warehouse).

2. TO NON-CONDITIONED SPACES (eg. STORE ROOMS) TOTAL R-VALUE REQUIRED IS: R1.6

J1.4 - ROOF LIGHTS

ROOF LIGHTS ARE PROVIDED IN UNCONDITIONED COMPONENT OF THE BUILDING (WEARHOUSE) ROOF LIGHTS TOO COMPLY WITH NCC 2016 PART J 1.4. See table J1.4 ROOF LIGHTS

J1.5 - WALLS

WALLS MUST COMPLY WITH PART J 1.5a. EXTERNAL WALLS THAT IS PART OF A ENVELOPE.
THIS DESIGN COMPLIES WITH (B) WHERE THE ONLY SPACE FOR INSULATION IS PROVIDED BY A FURRING
CHANNEL, TOP HAT SECTION, BATTEN OR THE LIKE. (i) ACHIEVE A MINIMUM TOTAL R-VALUE OF 1.4 & SATISFY GLAZING ENERGY INDEX OPTION B OF TABLE J2.4a. (0.173)

TO COMPLY WITH TABLE J 1.5(a).

EXTERNAL WALLS TO ACHIEVE A MINIMUM TOTAL R-VALUE OF 1.4

See either Detail 1 or Paint Detail 2.

TO COMPLY WITH TABLE J 1.5(b)

ENVELOPE WALLS (OTHER THAN EXTERNAL WALLS) TO ACHIEVE A MINIMUM TOTAL R-VALUE OF 1.0



J1.6 - FLOORS

NO REQUIREMENT - WHERE SUSPENDED AND FORMING A PART OF ANY ENVELOPE TO CONDITIONED SPACE OR SLAB ON GROUND.

J2 - EXTERNAL GLAZING *****(REFER TO THE GLAZING TABLES)*****

NOTE* GLAZING U-VALUE & SHGC VALUES ARE BASED ON THE WORST CASE SENARIO FOR ALUMINIUM FRAMED CLEAR OR TONED GLASS GLAZING.

A WINDOW MANUFACTURE HAS NOT BEEN CHOSEN AT THIS STAGE. THEREFORE THE VALUES USED ARE FROM THE ABCB ENERGY EFFICIENCY GLAZING PROVISIONS FOR NCC

2006 WERS GENERIC PRODUCTS DIRECTORY - NFRC INTERIM VALUES. 3mm SINGLE CLEAR / ALUMIN FRAME = U-VALUE 7.73 & SHGC 0.78. 3mm SINGLE CLEAR / ALUMIN FRAME = U-VALUE 7.73 & SHGC 0.78

TONED / ALUMIN FRAME = U-VALUE 7.67 & SHGC 0.57

J3 - BUILDING SEALING

WINDOWS & DOORS MUST COMPLY WITH NCC 2016 PART J3.4. a SEAL TO RESTRICT ARE INFLITRATION MUST BE FITTED TO EACH EDGE OF A DOOR, OPENABLE WINDOW OR THE LIKE FORMING PART OF THE ENVELOPE OF A CONDITIONED SPACE. A SEAL IS REQUIRED FOR THE BOTTOM EGDE OF AN EXTERNAL SWING DOOR, MUST BE A

PROTECTION DEVICE & THE OTHER EDGES OF AN EXTERNAL DOOR OR THE EDGES OF AN OPENABLE WINDOW OR OTHER SUCH OPENING, MAY BE FOAM RUBBER COMPRESSION STRIP, FIBROUS SEAL OR THE LIKE THIS MAY BE A FOAM OR RUBBER COMPRESSIBLE STRIP, FIBROUS SEAL OR THE LIKE.

J5 - AIR CONDITIONING & VENTILATION SYSTEM

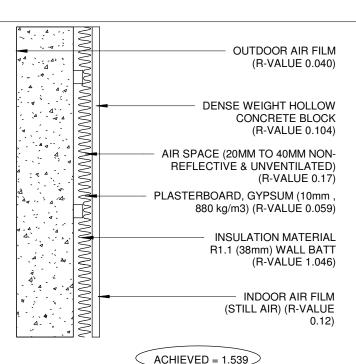
NOT APPLICABLE - NO AIRCONDITIONING TO BE PROVIDED TO WAREHOUSE. AIR CONDITIONING PROVIDED TO ADMIN AREAS OF GROUND FLOOR. REFER TO MECHANICAL ENGINEERS DETAILS

J6 - ARTIFICIAL LIGHTING & POWER

TO BE CERTIFIED BY A ELECTRICAL ENGINEER FOR COMPLIANCE

J7 - HOT WATER SUPPLY

J8 - ACCESS FOR MAINTENANCE



ASTEC ENERGY STAR WATERBASED, INFRARED **HEAT REFLECTIVE, 100%** ACRYLIC LOW SHEEN CLEAR COATING APPLIED TO ALL RAW CONCRETE TILT **PANELS**

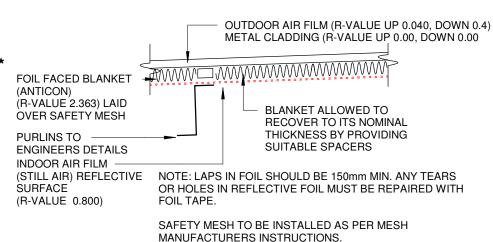
SUPPLIER: ASTEC PAINTS CONTACT: 08 8297 2000 EMAIL:

enquires@astecpaints.com.au ADDRESS: ASTEC PAINTS GEEBUNG, QLD.

OR



DETAIL 1. CONCRETE TILT UP WALLS EXTERNAL WALL PAINT DETAILS TO ACHIEVE MIN R-VALUE OF 1.4

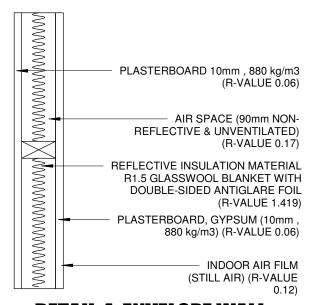


DETAIL 3. ROOF TO ACHIEVE MIN R-VALUE OF 3.2

SCALE 1:10 @ A3



DETAIL 2. CONCRETE TILT UP WALLS EXTERNAL WALL PAINT DETAILS TO ACHIEVE MIN R-VALUE OF 1.4



DETAIL 4. ENVELOPE WALL (INTERNAL) DETAIL TO ACHIEVE **MIN R-VALUE OF 1.0**

ACHIEVED = 1.829

TABLE J1.4 - ROOF LIGHTS

ROOF LIGHT SHAFT INDEX	CONSTANT	MORE THAN 4% UP TO 5% REQUIRED
0.5 TO LESS THAN 1.0	SHGC TOTAL U-VALUE	NOT MORE THAN 0.43 REQUIRED NOT MORE THAN 3.4 REQUIRED

TOTAL FLOOR AREA = 1177 3m2 TOTAL BOOF LIGHT AREA = 54 2m2

TOTAL AREA OF ROOF LIGHT SERVING BUILDING = 4.6%

CENTRE OF ROOF SHAFT AT ROOF & CENTRE OF SHAFT AT CEILING=



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AMEN	DMENTS				
C B A ISSUE	10.11.16 07.11.16 DATE	CLIENTS CHANGES SKETCH ISSUED SUBJECT	SB SB INITIAL	AUTH	
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Drawn by SB Checked by DJ Client C. MORLEY LOT 27 ACCESS CRESCENT COOLUM INDUSTRIAL ESTATE **Drawing Description ENERGY DETAILS**

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(690mm / 762mm) = 0.9 ROOF LIGHT SHAFT INDEX

LANDSCAPE SPECIES LEGEND

		0 0 0	<u> </u>				
NO:	CODE	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	COLOUR	POT SIZE
TREE	S						
2	Pan tec	Pandanus tectorius	Screwpine	5m	3m	-	45 L
1	Ela obo	Elaeocarpus obovatus	Blueberry Ash	12m	4m	-	45 L
2	Ban int	Banksia integrifolia	Coastal Banksia	15m	3m	Yellow	45 L
LARG	SE SHRUE	BS					
5	Ban rob	Banksia robur	Swamp Banksia	2-3m	2-3m	Yellow	140mm
3	Cal tar	Callistemon taree pink	Pink bottle brush	3m	1.5m	Pink	300mm
5	Acm smi	Acmena smithii	Lilly Pilly	10m	3m	Pink	300mm
SMAL	L SHRUE	3S					
77	Lom Ion	Lomandra longifolia	Mat rush	1m	1m	-	140mm
85	Dia bre	Dianella brevipedunculata	Blue Flax Lily	1m	1m	Purple	140mm
GRO	UND COV	ERS				_	
30	Hib sca	Hibbertia scandens	Snake Vine	0.2m	2.5m	Yellow	140mm
40	Aus dul	Austromytus dulcis	Midgen Berry	0.5m	0.8m	White	140mm
GRAS	SSES & SE	EDGES (Bio-Retention Basin I	Plants)		QTY/m2		
40	Lom hys	Lomandra hystrix	Katie Bells	0.5-1.0m	4 per m2	Yellow	Tube stock
80	Jun usi	Juncus usitatus	Common Rush	0.3-1.2m	8 per m2	-	Tube stock
80	Fic nod	Ficnia nodosa	Knobby Club-Rush	0.5m-1.5m	8 per m2	-	Tube stock

LANDSCAPE NOTES

PREPARATION OF GARDEN BEDS FOR PLANTING:

CULTIVATE EXISTING SOIL IN NATURAL GROUND TO A MINIMUM DEPTH OF 150mm. IMPORT CLEAN TOPSOIL (SANDY LOAM) TO A MINIMUM DEPTH OF 300mm, ABOVE ORIGINAL GROUND LEVEL. ORGANIC MATTER OR GYPSUM ETC, MAY ALSO BE ADDED AS NECESSARY TO IMPROVE THE SOIL FOR THE BEST POSSIBLE GROWTH. TEST THE SOIL USING A 'SOIL TEST KIT' TO ENSURE IT IS HEALTHY AND AMEND AS NECESSARY.

ALL GARDEN BEDS TO BE MOUNDED 300mm MIN AT CENTRE OF BED, ABOVE FINISHED PAVEMENT LEVELS, TO PREVENT ANY PONDING AROUND

FERTILIZE USING A SLOW RELEASE FERTILIZER IN 'PILL' OR 'GRANULE' FORM, AT TIME OF PLANTING. ENSURE THAT FERTILIZER DOES NOT DIRECTLY CONTACT ROOTS.

INSTALL AN AUTOMATIC IRRIGATION SYSTEM WITH TIMER. PLACE IRRIGATION LINE AFTER PLANTING & PRIOR TO

USE ONLY SUN 'HARDENED' PLANTS. ENSURE HEALTHY ROOT SYSTEM TO ALL CIRCUMSTANCES ARE ROOT BOUND PLANTS TO BE USED.

TREES:

ALL 45L TREES AND LARGE SHRUBS WILL NEED TO BE STAKED SECURELY USING 1800mm STAKES x 2 OR 3 AS NECESSARY WEBBING, (TO PREVENT PLANT DAMAGE

ALL GARDENS ARE BE MULCHED WITH 'TEA TREE' MULCH TO A MINIMUM DEPTH OF 100mm.

DRAINAGE:

PLEASE ENSURE ADEQUATE DRAINAGE IS INSTALLED BELOW GARDENS AND PAVED AND CONCRETED AREAS.

LOCATION OF SERVICES AND LEVELS:

PLEASE REFER HYDRAULICS PLAN FOR FULL INFORMATION ON SERVICES TYPE AND LOCATION AND FINISHED LEVELS.

STENCILLED CONCRETE IS TO BE USED AS THE FINISH FOR THE ENTRY

A STENCILLED CONCRETE FINISH IN A COLOUR AND STYLE COMPLIMENTARY TO THE BUILDING IS TO BE APPLIED BY A QUALIFIED PERSON ACCORDING TO BEST INDUSTRY STANDARDS.

GENERAL NOTES:

CONCRETE ROLLBACK KERB FOR CAR PARK EDGES AND GARDEN BOUNDARIES AS NECESSARY, TO ENGINEER'S DETAIL.

MAINTENANCE:

IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE PROPERTY TO A SATISFACTORY STANDARD TO COUNCIL'S APPROVAL.

A MAINTENANCE REGIME MUST BE PROGRAMMED TO MAINTAIN MULCH, WATER, FERTILIZER, PRUNING AND
THE CARE AND/OR REPLACEMENT OF ANY DAMAGED OR DISEASED PLANT.

SHORT TERM

FOR THE FIRST 4 WEEKS ALL PLANTS MUST BE WATERED FOR 20mins PER DAY min. REDUCING TO 10mins PER DAY FOR FOLLOWING 5 MONTHS, (ALWAYS WATER IN RELATION TO RAINFALL).

FERTILIZE ALL PLANTS EACH SPRING & WHEN REQUIRED DURING THE YEAR. ENSURE USE OF A NATIVE 'FRIENDLY' FERTILIZER.

TREES & SHRUBS TO BE PRUNED AFTER FLOWERING TO MAINTAIN HEALTHY GROWTH AND SHAPE, PRUNE AT THE NODE FOR ALL NATIVES. NEVER 'HARD PRUNE' A PLANT UNLESS ON RELIABLE AUTHORITY.

DUE TO BREAKING DOWN, ORGANIC MULCH NEEDS TO BE TOPPED
UP' EVERY FEW YEARS TO MAINTAIN
A THICK COVER.

STAKES AND WEBBING WHICH SUPPORT TREES MAY BE REMOVED AFTER TREES ARE SUITABLY ESTABLISHED.

LANDSCAPE SPECIES PHOTOS







Pandanus tectorius



Elaeocarpus obovatus



SMALL SHRUBS

Callistemon taree pink

Lomandra longifolia

Dianella brevipedunculata





Drawn by SB

Client C. MORLEY

LOT 27 ACCESS CRESCENT

COOLUM INDUSTRIAL ESTATE





Checked by DJ

Lomandra hystix

Juncus usitatus

Ficnia nodosa



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