

From: [Andrew Clegg](#)
To: s 47F - privacy
Cc: [Marcus Grzechnik](#)
Subject: ARPANSA - Waste Store Design for ARPANSA review and approval [SEC=UNCLASSIFIED]
Date: Thursday, 17 May 2018 1:34:23 PM
Attachments: [201808 - ARPANSA rev A.pdf](#)

ARPANSA approves the recently attached prelim design with the following minor modification:

One minor typo in the centre top of the proposed (page 6) where 'conduit' is misspelt

Full steam ahead please on the detailed design and come back to me Monday am on a date so we can lodge on our Austender portal.

Regards

Andrew Clegg

Facilities Manager

Australian Radiation Protection and Nuclear Safety Agency

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<http://www.arpansa.gov.au>

Thanks for the

From: s 47F - privacy
Sent: Thursday, 10 May 2018 9:47 AM
To: Andrew Clegg <andrew.clegg@arpansa.gov.au>
Subject: Fwd: ARPANSA

Hi Andrew

I hope that you are well, please find attached revised plans for your view and approval. I will contact you tomorrow to discussed further.

As always happy to discuss and answer any questions.

Kind regards

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A. S. Building Consultants

Email sent using Optus Webmail

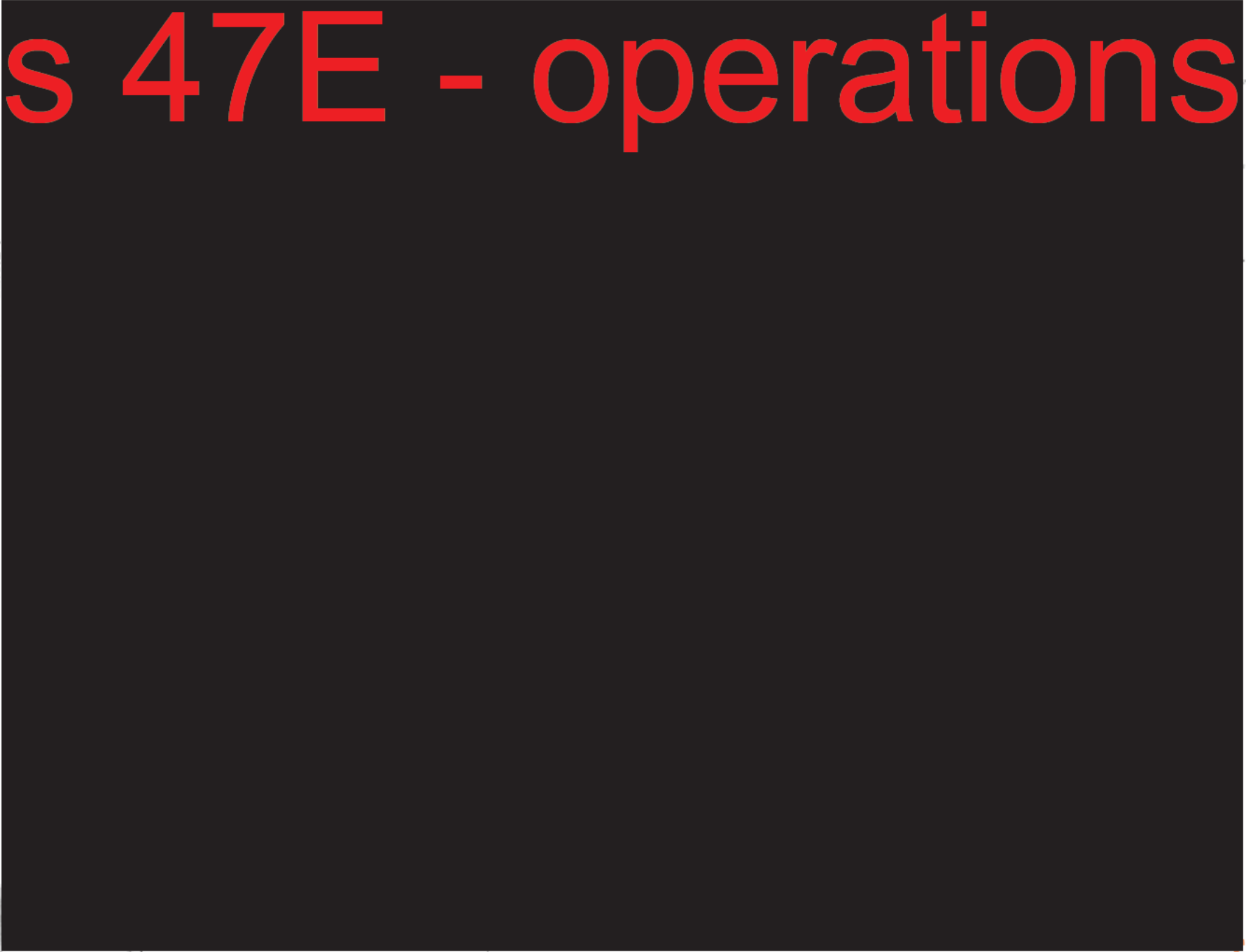
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GENERAL NOTES:

- DO NOT SCALE DRAWINGS, USE WRITTEN DIMENSIONS ONLY, BUILDER TO VERIFY ALL LEVELS AND MEASUREMENTS PRIOR TO THE COMMENCEMENT OF ANY WORK, BUILDER TO CHECK PLANS AGAINST ON SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE DRAFTSPERSON IMMEDIATELY.
- THE BUILDER IS TO ENSURE THAT NO PART OF THE STRUCTURE INCLUDING DRAINAGE AND FOOTINGS IS TO ENCROACH OVER THE TITLE BOUNDARY
- SITE BOUNDARY TO BE VERIFIED PRIOR TO ANY WORKS COMMENCING, BUILDER / OWNER TO ENGAGE A SUITABLE QUALIFIED LAND SURVEYOR IF REQUIRED.
- SITE CLASSIFICATION, CLASS N/A OR AS PER THE SOIL REPORT IF UNDERTAKEN, THE DRAFTSPERSON IS TO BE IMMEDIATELY NOTIFIED IF THE SITE CLASSIFICATION OR THE FOUNDING DEPTH OF THE SOIL REPORT DIFFERS FROM THE ARCHITECTURAL PLANS.
- THE BUILDER AND/OR THE OWNER SHALL TAKE ALL STEPS NECESSARY TO ENSURE THAT THE STABILITY AND GENERAL WATER TIGHTNESS OF ALL NEW AND/OR EXISTING STRUCTURES DURING ALL BUILDING WORKS.
- ALL EXISTING CONDITIONS TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OR ORDERING OF MATERIALS.
- ALL FOOTINGS TO COMPLY WITH AS 2870/1996
- ALL TIMBER FRAMING TO COMPLY WITH AS 1684/2006 PARTS 2, 3 & 4
- ALL STRUCTURAL TIMBERWORK SHALL CONFORM TO THE REQUIREMENTS OF AS1720S.A.A TIMBER ENGINEERING CODE AND AS 1684 S.A.A LIGHT TIMBER FRAMING CODE
- ALL ROOF FIXINGS AND TIE DOWNS ARE TO COMPLY WITH AS 1684 / 2006 PARTS 2, 3 & 4
- ALL WALLS AND ROOF BRACING IS TO COMPLY WITH AS 1684 / 2006 PARTS 2,3 & 4
- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA, THE BUILDING REGULATIONS, THE BUILDING ACT AND ANY OTHER RELEVANT BY-LAWS, AUSTRALIAN STANDARDS, ACTS OR LOCAL COUNCIL REQUIREMENTS.
- ALL PLUMBING TO BE DONE BY REGISTERED PLUMBERS IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND TO THE SATISFACTION OF THE LOCAL AUTHORITY, ALL JOINS TO BE WATER TIGHT.
- A LICENSED PLUMBER IS TO SEAL AND MAKE SURE ALL GAS AND WATER SUPPLIES TO THE AREA AFFECTED BY WORKS ON SITE
- A LICENSED ELECTRICIAN IS TO DISCONNECT AND MAKE SAFE ALL POWER SUPPLY TO THE AREA AFFECTED BY WORKS ON SITE
- PROVIDE THERMAL INSULATION AS PER THE REQUIREMENTS OF THE BUILDING CODE OF AUSTRALIA (PART 3.12 OF THE BUILDING CODE OF AUSTRALIA)
- ALL GLAZING TO COMPLY WITH AS 1288/2006
- STEPS - MAXIMUM RISER 190mm MINIMUM TREAD 250mm AS PER THE BUILDING CODE OF AUSTRALIA
- HANDRAILS TO BE A MINIMUM 865mm ABOVE THE NOSING OF TREADS AND 1000mm ABOVE THE LANDING WITH BALUSTRADES A MAXIMUM 125mm APART. MAXIMUM 125mm SPHERE BETWEEN TREADS.
- BALUSTRADES TO BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA , AS1770.1 DEAD AND LIVE LOAD COMBINATIONS, AND AS/NZ1170.1-PERMANENT, IMPOSED AND OTHER ACTIONS. BALUSTRADES 4000mm AND GREATER ABOVE THE SURFACE BENEATH MUST NOT HAVE ANY PART THAT IS CLIMBABLE.
- CONCRETE STRENGTH TO BE A MINIMUM 20MPA IN 28 DAYS
- PROVIDE EMERGENCY LIFT UP HINGES TO THE TOILET DOORS WHERE THE DISTANCE TO THE THE DOOR FROM THE PAN IS LESS THAN 1200mm AS PER THE BUILDING CODE OF AUSTRALIA
- LIGHT AND VENTILATION IS TO COMPLY WITH THE REQUIREMENT S OF THE BUILDING CODE OF AUSTRALIA.
- ALL EXTERNAL STEEL WORKS SHALL BE HOT DIPPED GALVANIZED, INTERNAL STEEL WORK SHALL BE PRIMED WITH INORGANIC ZINC SILICATE COAT IN ACCORDANCE WITH AS3700/2001 AND AS PER THE BUILDING CODE OF AUSTRALIA
- THESE NOTES ARE NEITHER EXHAUSTIVE, NOR A SUBSTITUTE FOR THE REGULATIONS, STATUTORY REQUIREMENTS, BUILDING PRACTICE OR CONTRACTUAL OBLIGATIONS AND UNLESS EXPRESSLY STATED OTHERWISE ARE PROVIDED ONLY AS GUIDELINES. NO RESPONSIBILITY IS ACCEPTED FOR THERE USE.
- PROVIDE ROOF FLASHING AS PER THE BUILDING CODE OF AUSTRALIA
- AREAS ADJACENT TO FOOTINGS ARE TO BE GRADED AND DRAINED AWAY FROM THE BUILDING TO PREVENT PONDING OF WATER
- THE MINIMUM FALL OF A BOX GUTTER IS TO BE 1:100
- PROVIDE TERMITE PROTECTION IN ACCORDANCE WITH AS3660.1/2001 IF REQUIRED BY THE RELEVANT COUNCIL
- EXIT DOORS WHICH SWING AWAY FROM THE DIRECTION OF EXIT TRAVEL TO BE CAPABLE OF BEING HELD IN THE OPEN POSITION
- POWER OPERATED SLIDING DOORS SERVING AS EXITS ARE TO BE CAPABLE OF BEING OPENED BY HAND UNDER A FORCE NO MORE THAN 110N UPON MALFUNCTION OR FAILURE OF THE POWER SOURCE
- NON-SLIP FINISHES TO BE PROVIDED TO ALL STEPS, RAMPS AND LANDINGS
- SIGNS REQUIRED TO FIRE DOORS INDICATING "FIRE DOOR - DO NOT OBSTRUCT" IN 20mm HIGH LETTER IN A CONTRASTING COLOUR IN ACCORDANCE WITH CLAUSE D2.23. BCA 2009
- ALL PENETRATIONS THROUGH THE FIRE RATED MEMBERS TO BE SEALED USING FIRE COLLARS OR FIRE SEAL AS APPROPRIATE IN ACCORDANCE WITH CLAUSE C.3.15, BCA 2009
- DISABLES ACCESS, SANITARY FACILITIES AND SIGMA TO BE PROVIDED IN ACCORDANCE WITH AS1428.1
- EXHAUST AIR OUTLETS NOT TO BE LOCATED CLOSER THAN 6m TO FRESH AIR INLETS
- MECHANICAL VENTILATION SYSTEM TO COMPLY WITH AS1668.2-1991 & AS/NZS3666.1&2-2002
- MINIMUM 2400mm CEILING HEIGHT TO ALL NEW PORTIONS OF CEILING
- FIRE INDICES OF MATERIALS, LINING AND SURFACE FINISHES TO COMPLY WITH SPECIFICATION C1.10, BCA
- ELECTRICAL SWITCHBOARDS LOCATED IN THE PATH OF TRAVEL TO EXITS TO BE ENCLOSED IN NON-COMBUSTIBLE CONSTRUCTION OR A FIRE PROTECTIVE COVERING WITH WITH DOORWAYS OR OPENING SUITABLY SEALED AGAINST SMOKE SPREADING FROM THE ENCLOSURE
- EXIT DOORS WHICH SWING AGAINST THE DIRECTION OF EXIT TRAVEL TO BE CAPABLE OF BEING HELD IN THE OPEN POSITION

- GUARDRAILS ARE TO BE PROVIDED TO ROOF PLATFORM IF A PLATFORM EXCEEDS 300mm IN HEIGHT FROM EXISTING ROOF LINE. DESIGN, CONSTRUCTION AND INSTALLATION OF ACCESSWAY, LADDER AND FIXED PLATFORM IS TO BE IN ACCORDANCE WITH AS1657-1992
- ARTIFICIAL LIGHTING TO COMPLY WITH AS1680.0-1998
- ALL DOORWAYS TO HAVE A MINIMUM UNOBSTRUCTED HEIGHT OF 2m AND MINIMUM WIDTH NOT LESS THAN 750mm OR 850mm TO ALLOW FOR DISABLED ACCESS.
- EXIT SIGNS AND EMERGENCY LIGHTS TO COMPLY WITH AS2293.1-2005
- PORTABLE FIRE EXTINGUISHERS TO COMPLY WITH AS2444-2001, PROVIDE 3A 20B (E) DRY CHEMICAL PORTABLE FIRE EXTINGUISHER WITHIN 2m TO 20m OF ALL ELECTRICAL SWITCHBOARDS.
- FIRE HOSE REEL INSTALLATION TO COMPLY WITH AS1221 & AS2441-2005
- ALL EXIT DOORS AND DOORS IN THE PATH OF TRAVEL TO EXITS (INCLUDING ROLLER SHUTTER GRILLES) ARE TO BE CAPABLE OF BEING OPENED AT ALL TIMES FROM THE SIDE FACING A PERSON SEEKING EGRESS FROM THE BUILDING WITH A SINGLE HANDED DOWNWARD OR PUSHING ACTION ON A SINGLE DEVICE WITHOUT THE USE OF A KEY AND LOCATED BETWEEN 900mm AND 1200mm ABOVE FLOOR LEVEL IN ACCORDANCE WITH CLAUSE D2.21, BCA 2009.
- ALTERATIONS TO THE SPRINKLER SYSTEM WILL BE CARRIED OUT TO COMPLY WITH AS2118.1-1999
- ALTERATIONS TO THE SPRINKLER SYSTEM WILL BE DOCUMENTED, INSPECTED AND APPROVED AS COMPLYING WITH AS2118 BY THE FIRE PROTECTION INSPECTION SERVICE (OR OTHER APPROVED SPRINKLER INSPECTION AND TESTING SERVICE) AND THEIR WRITTEN APPROVAL PROVIDED TO THE RELEVANT BUILDING SURVEYOR ON COMPLETION OF THE WORKS.
- SEPARATING WALLS WHICH EXTEND UP TO THE ROOF COVERING MUST BE PACKED WITH A SUITABLE FIRE RESISTING MATERIAL
- SMOKE ALARMS ARE TO BE HARD-WIRED AND IN ACCORDANCE WITH AS3786-1993
- WET AREAS WITHIN BUILDING AREA REQUIRED TO BE WATERPROOF OR WATER RESISTANCE IN ACCORDANCE WITH CLAUSE F1.7 OF THE BUILDING CODE OF AUSTRALIA VOLUME ONE AND AS3740.
- ALL LIGHTING AND VENTILATION SHALL COMPLY WITH THE BUILDING CODE OF AUSTRALIA VOLUME ONE, PART F4 AND RELEVANT AUSTRALIAN STANDARDS
- PRECAUTION MUST BE TAKEN BEFORE AND DURING BUILDING WORK TO PROTECT THE SAFETY OF THE PUBLIC. FURTHERMORE: UNDER NO CIRCUMSTANCES OWNER AND/OR BUILDER SHOULD PLACE ANY MATERIALS UPON THE FOOTPATH, NATURE STRIP OR COUNCIL RESERVE DURING THE BUILDING WORKS.
- EMERGENCY LIGHTING AND EXIT SIGNS TO BE INSTALLED IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA VOLUME ONE AND AS 2293.1
- EXIT DOORS TO COMPLY WITH PART D2.21 OF THE BUILDING CODE OF AUSTRALIA VOLUME ONE
- ALL OF THE ELECTRICAL INSTALLATIONS SHALL COMPLY WITH AS/NZS 3013
- FIRE HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA VOLUME ONE AND AS 2419.1
- ALL THE SERVICE PENETRATIONS AND CONTROL JOINT IN FIRE-RESISTANCE SEPARATION ELEMENTS SHALL COMPLY WITH AS 4072
- ALL DOORS TO SANITARY COMPARTMENTS TO BE FITTED WITH SELF-CLOSERS
- PROVIDE AN AUTOMATIC FIRE DETECTION AND ALARM SYSTEM COMPLYING WITH AS1670 AND MONITORED IN ACCORDANCE WITH CLAUSE 7 OF THE SPECIFICATION E2.2A
- UNLESS STATED OTHERWISE THE BUILDER SHALL: MAKE PROVISIONS FOR ALL NECESSARY WATERPROOFING AND/OR DRAINAGE TO EXPOSED ROOF AND SURFACE AREAS, INCLUDING BASEMENT RETAINING WALLS, TO THE COMPLETE APPROVAL OF THE BUILDING SURVEYOR
- UNLESS STATED OTHERWISE THE BUILDER SHALL: WHERE NECESSARY PROVIDES SUPPORT TO WALLS ADJACENT STRUCTURES BUILT ON THE BOUNDARY AND AVOID DAMAGE TO FOUNDATION TO THE SAME DUE TO EXCAVATION BENEATH FOOTINGS OR INGRESS IN WATER
- UNLESS STATED OTHERWISE THE BUILDER SHALL: PROVIDE MECHANICAL VENTILATION TO ALL OFFICES AND SANITARY COMPARTMENTS VIA OUTLETS IN ACCORDANCE WITH AS1688 S.A.A, MECHANICAL VENTILATION AND AIR CONDITIONING CODE 76 AIR CHANGES P/H TO AMENITIES
- IF A DOORWAY IN A FIREWALL IS FITTED WITH A SLIDING FIRE DOOR, WHICH IS OPEN, WHEN THE BUILDING IS IN USE - IT MUST BE HELD OPEN WITH AN ELECTROMAGNETIC DEVICE, WHICH WHEN DE-ACTIVATED SECONDS, AND MORE THAN 30 SECONDS, AFTER RELEASE, AND CONDITIONING CODE 6 AIR CHANGES P/H TO AMENITIES.
- IN THE EVENT OF POWER FAILURE TO THE DOOR - THE DOOR MUST FAIL SAFE IN THE CLOSED POSITION IN ACCORDANCE WITH (I); AND -AN AUDIBLE WARNING DEVICE MUST BE LOCATED NEAR THE DOORWAY AND A RED FLASHING WARNING LIGHT OF ADEQUATE INTENSITY ON EACH SIDE OF THE DOORWAY MUST BE ACTIVATED IN ACCORDANCE WITH (B); AND
- SIGNS MUST BE INSTALLED ON EACH SIDE OF THE DOORWAY LOCATED DIRECTLY OF THE OPENING STATING - WARNING - SLIDING FIRE DOOR - IN CAPITAL LETTERS NOT LESS THAT 50mm HIGH IN A COLOUR CONTRASTING WITH THE BACKGROUND.
- SMOKE / HEAT DETECTION SYSTEM TO BE IN ACCORDANCE WITH AS1670.1, 2 & 3-2004
- THE DOOR TO A FULLY ENCLOSED SANITARY COMPARTMENT MUST COMPLY WITH THE FOLLOWING IF THERE IS NOT A CLEAR SPACE OF 1.2m BETWEEN THE CLOSET PAN AND NEAREST PART OF DOORWAY:
- OPEN OUTWARDS OR
- SLIDE OR
- BE READILY REMOVED FROM THE OUTSIDE OF THE SANITARY COMPARTMENT
69. COOLROOMS AND FREEZERS WILL BE PROVIDED WITH THE FOLLOWING IN ACCORDANCE WITH CLAUSE G1.2, BCA:
- DOOR OPENINGS NOT LESS THAN 600mm IN WIDTH AND A CLEAR HEIGHT NOT LESS THAN 1500mm
- DOORS WHICH ARE CAPABLE OF BEING OPENED BY HAND FROM INSIDE WITHOUT A KEY
- INTERNAL LIGHTING CONTROLLED ONLY BY A SWITCH LOCATED ADJACENT TO THE INSIDE OF THE ENTRANCE DOORWAY
- INDICATOR LAMP POSITIONED OUTSIDE WHICH IS ILLUMINATED WHEN THE INTERNAL LIGHTS ARE SWITCHED ON
- AN ALARM DEVICE LOCATED OUTSIDE BUT CONTROLLABLE ONLY FROM WITHIN THE CHAMBER.

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LOWER PLENTY ROAD



YALLAMBIE ROAD

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