

Building Specification Sheet

Client Details			
Job Name:	Land & Marine Transport Agents	Site Address:	Main road, Antebuka, Tarawa, Kiribati
Design Parameter Specifications			
Wind Region:	B1	Terrain Category:	3
Topography:	Level Site	Shielding:	No shielding
Building Usage:	Domestic	Importance Level:	2
Dominant Opening (yes/no):	Yes	Internal Press Coefficient:	-0.3, 0.05
Regional Wind Velocity (m/s):	57 m/s	Design Working Life (yrs):	50 Years
Site Wind Velocity (m/s)	44.6 m/s	Percent AEP Flood Level:	NA
Flood Zone 1:	NA	Max ¼ Eave Water Velocity (m/s):	NA
Max Eave Water Velocity (m/s):	NA	Alpine / Sub Alpine:	NA
Snow Region:	NA	Annual Exceedance Prob:	NA
Altitude Above Sea Level (m):	NA	Snow Loading (kPa):	NA
Snow Terrain Category:	NA	Soil Type design maximum:	M
Ground Type:	Clay	Footing Size (WxLxD):	See footings details
Footing Type:	Pier	Column In Ground (mm):	NA
Column Connection Type:	Fixed	Column Anchor Type:	Stirrup
Cladding, Flashings, Insulation & Water management			
Wall Cladding:	QDek 0.42	Roof Cladding:	Corodek 0.42 (STD Roof)
Skylights Type:	NA	Skylight No:	0
Corner Flashings:	Flashing - Corner 75 x 75 CB	Opening Flashing:	Flashing - Corner 75 x 75 CB
Header Flashings:	Flashing - "L" Door Header CB	Eave Flashing:	NA
Barge:	Flashing - Barge Corodek CB	Ridge Cap:	Flashing - Ridge Cap Corodek 10 deg CB
Gutter:	Gutter - Square CB	Roof m2 area:	306.428 m2
Downpipe Qty:	8	Downpipe Size:	Downpipe - 100 x 75 1800 CB
Wall Insulation:	NA	Wall Ventilation:	NA
Roof Insulation:		Roof Ventilation:	NA
Ridge Filler:	NA	Eave Filler:	NA
Base Filler:	NA	Vermin Seal:	Yes
Colour Schedule			
Roof Colour:	Gull Grey	Ridge Cap Colour:	Gull Grey
Wall Colour:	Gull Grey	Barge Colour:	Gull Grey
Corner Flashing Colour:	Gull Grey	Opening Flashing Colour:	Gull Grey
Gutter Colour:	Gull Grey	Downpipe Colour:	Gull Grey
Skylight Colour:	NA		

Main Building

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Job Name:	Land & Marine Transport Agents	Site Address:	Main road, Antebuka, Tarawa, Kiribati
Main Building Geometry			
Width:	15m	Length:	20m
Roof type:	Gable	Roof Pitch:	10deg
Left Eave Height:	4.8m	Right Eave Height:	4.8m
Largest Side Bay:	4.2m	Largest End Bay:	3.75m
Side Bay Qty:	5	End Bay Qty:	4
Extended Eaves LH:	0	Extended Eaves Front:	0
Extended Eaves RH:	0	Extended Eaves Back:	0
Main Building Portal Member Schedule			
End Wall Portal Frames - All Portals with 50% Bay Load Width only			
End Column:	C15024	End Rafter:	C15015
Haunch Connection:	Haunch Bracket - C15024 10 Deg	Apex Connection:	Apex Bracket - C15015 10 Deg
Portal Fixing:	Bolted – See Connection Detail	Portal Base Type:	Stirrup
Base Type Fixing:	Bolted – See Connection Detail	Masonry Anchors:	See Connection Detail
End Mullion:	C25024	Mullion Base Cleat:	Base Cleat - C25024
Mullion Cleat Fixing:	Bolted – See Connection Detail	Masonry Anchors:	See Connection Detail
Internal Portal Frames - All Building Portals with 100% Bay Load Width only			
Internal Column:	C30024	Internal Rafter:	C30024
Haunch Connection:	Haunch Bracket - C30024 10 Deg	Apex Connection:	Apex Bracket - C30024 10 Deg
Portal Fixing:	Bolted – See Connection Detail	Portal Base Type:	Stirrup
Base Type Fixing:	Bolted – See Connection Detail	Masonry Anchors:	See Connection Detail
Knee Brace:	C15019	Apex Brace:	NA
Knee Brace Length:	0.8567m	Apex Brace Length:	NA
Knee Brace Origin:	1.2m down the wall from the eave.	AB Connection:	NA
Knee Brace Angle:	50 Deg	Apex Brace Fixing:	NA
KB Connection:	Knee Brace Bracket - C15019 10 Deg	Knee Brace Fixing:	Bolted - See Connection Detail

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Roof Insulation:		Roof Ventilation:	NA
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Base Filler:	NA	Vermin Seal:	Yes
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BULK EARTHWORKS

THIS SITE SHALL BE STRIPPED A MINIMUM DEPTH OF 50MM UNDER PAVEMENTS AND BUILDINGS ALL EXISTING FILL ORGANIC MATERIAL. REFUSE AND ROOTS SHALL BE REMOVED.

AFTER APPROVAL, THE EXCAVATED SUB GRADE LEVEL SHALL BE PROOF ROLLED FOR A MINIMUM SIX (6) PASSES USING A VIBRATING ROLLER, MINIMUM WEIGHT TEN TONNES. SOFT WET AND UNSUITABLE SPOTS SHALL BE REMOVED AND REPLACED BY APPROVED SITE MATERIAL AS DIRECTED BY THE SUPERINTENDENT. THE SUB SHALL BE COMPACTED TO NOT LESS THAN 100% STANDARD DRY DENSITY RATION WITHIN ±2% OF THE OPTIMUM MOISTURE CONTENT IN THE ACCORDANCE WITH AS1289 5.1.1 AND 5.4.1.

WHERE FILL IS REQUIRED TO ACHIEVE ROAD PAVEMENT SUB GRADE LEVEL, IT SHALL BE APPROVED RIPPED SANDSTONE HAVING MAXIMUM PARTICLE SIZE OF 75MM UNLESS DIRECTED OTHERWISE IT SHALL BE PLACED IN 150MM LOOSE LAYERS AND COMPACTED TO NOT LESS THAN 100% STANDARD DRY DENSITY WITHIN ±2% OF THE OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH AS1289 5.11 AND 5.4.1.

ALL BATTERS SHALL BE IN 4 MAXIMUM UNO.

SUB GRADE PREPARATION
[FOR SLABS ON GROUND AND RAFT SLABS]

THE SITE SHALL BE EXCAVATED TO THE LEVELS SHOWN ON RELEVANT DRAWINGS.

THE SITE SHALL BE STRIPPED TO A MINIMUM OF 50MM EXPOSE RESIDUAL MATERIAL PRIOR TO FILL OPERATION ALL EXISTING FILL. ORGANIC MATTER, REFUSE AND ROOTS SHALL BE REMOVED, EXCEPT IF APPROVED ENGINEER FILL IS PRESENT.

PROOF ROLL THE EXCAVATED AREA BEFORE FILLING AREAS OF LOCAL SOFTENING REVEALED DURING EXCAVATION OR STRIPPING SHALL BE COMPACTED TO 100% STANDARD DRY DENSITY RATION TO AS1289 5.1.1.

CLAY MATERIAL FREE OF ORGANIC MATERIAL FROM CUT AREAS MAY BE USED AS ENGINEERING FILLS PROVIDED THAT IT HAS BEEN TESTED. ALL IMPORTED SELECTED FILL SHALL BE TESTED AND APPROVED BY ENGINEER.

ALL FILL SHALL BE COMPACTED TO NO LESS THAN 98% STANDARD DRY DENSITY RATIO WITHIN ±2% OF THE OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH AS1289 5.1.1 & 5.4.1.

ALL SELECT ROAD BASE AND HARD-CORE FILLING SHOWING UNDER SLABS ON DRAWINGS SHALL BE COMPACTED TO NOT LESS THAN 98% MODIFIED DRY DENSITY RATIO WITHIN ±2% OF THE OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH AS1289 5.1.1 & 5.4.1

ALL FILLING SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE PROJECT GEOTECHNICAL ENGINEER, WHO SHALL SUPPLY CERTIFICATES OF COMPACTION FOR THE SITE.

FOOTINGS

STRIP AND PAD FOOTINGS HAVE BEEN DESIGNED FOR A SAFE BEARING VALUE OF 150 KPa INTO STIFF CLAY. UNO, BORED PIERS HAVE BEEN DESIGNED FOR A SAFE END BEARING VALUE OF 250 KPa INTO STIFF CLAY WITH A SKIN FRICTION OF 25 KPa UNO.

FOUNDATION MATERIAL SHALL BE INSPECTED AND APPROVED IN WRITING BY A GEOTECHNICAL ENGINEER FOR THE ABOVE SAFE BEARING PRESSURE BEFORE PLACING CONCRETE.

FOR FOUNDING CONDITIONS REFER TO GEOTECHNICAL REPORT REFERENCE BY XXXXXXXXXXXXX

SLABS ON GROUND HAVE BEEN DESIGNED FOR MIN CBR 10 ACCORDANCE WITH CEMENT & CONCRETE ASSOCIATION, CONCRETE INDUSTRIAL FLOOR & PAVEMENT DESIGN UNO.

SUB GRADE SHALL BE BE INSPECTED & APPROVED IN WRITING BY A GEOTECHNICAL ENGINEER FOR THE ABOVE CBR

REINFORCED CONCRETE

ALL WORKMANSHIP & MATERIALS SHALL BE IN ACCORDANCE WITH AS3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY CONTRACT DOCUMENTS.

CONCRETE COMPONENTS AND QUALITY SHALL BE AS FOLLOWS UNO.

CONCRETE ELEMENT	SLUMP (MM)	MAX. SIZE	CEMENT	F°c AT 28 DAYS - MPa	ADMIXTURE
FOOTINGS	80	20	A	25	-
PIERS & CAPS	80	20	A	32	-
SLAB ON GROUNDS	80	20	A	25	-
SUSPENDED SLABS	80	20	A	32	-
WALLS & COLUMNS	80	20	A	32	-

SLAB & FOOTINGS NOTES

CONCRETE ELEMENT	MINIMUM CLEAR CONCRETE COVER TO REINFORCEMENT INCLUDING TIES AND STIRRUPS		NO FORMWORK
	CAST AGAINST FORMS COMPLYING WITH CURRENT SAA CODE		
	IN SHELTERED LOCATION (MM)	EXPOSED TO GROUND OR WEATHER (MM)	
PAD FOOTINGS	-	65	75
STRIP FOOTINGS	-	50	65
PIERS & CAPS	-	65	75
COLUMNS	35	50	75
WALLS	20	40	65
BEAMS	25	40	65
SLABS	25	40	65

COVER TO REINFORCEMENT SHALL BE OBTAINED BY THE USER OF APPROVED BAR CHAIRS. ALL CHAIRS SHALL BE SPACED AT 1000 CENTRES MAXIMUM.

ALL CONCRETE SHALL BE MECHANICALLY VIBRATED. VIBRATORS SHALL NOT BE USED TO SPREAD CONCRETE.

SIZE OF CONCRETE ELEMENTS DOES NOT INCLUDE THICKNESS OF APPLIED FINISHES.

NO HOLE OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DESIGNS SHALL BE MADE ON CONCRETE MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO APPROVAL OF THE ENGINEER. ALL CONSTRUCTION JOINTS SHALL BE SCRABBLED OVER THE WHOLE FACE AND ANY UNSOUND MATERIAL REMOVED.

REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY. KIT IS NOT NECESSARILY SHOWN IN TRUE PROJECT.

SPICES IN REINFORCEMENT SHALL BE MADE ONLY IN THE POSITION SHOWN OR AS APPROVED BY THE ENGINEER WHERE LAP LENGTH IS NOT SHOWN. IT SHALL BE SUFFICIENT TO DEVELOP THE FULL STRENGTH OF REINFORCEMENT AS SPECIFIED IN AS3600.

CAGES AND HOOKS SHALL BE STANDARD UNLESS SHOWN OTHERWISE.

WELDING OF THE REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN OF STRCUTURAL DRAWINGS OR APPROVED BY THE ENGINEER.

PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL BY THE ENGINEER.

REINFORCEMENT SYMBOLS

N - DENOTES DEFORMED GRADE 500 NORMAL DUCTILITY REINFORCING BARS TO AS/NZS 4671

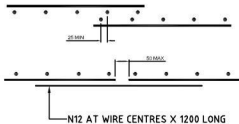
R - DENOTES PLAIN ROUND GRADE 250 NORMAL DUCTILITY REINFORCING BARS TO AS/NZS 4671

SL - DENOTES DEFORMED GRADE 500 LOW DUCTILITY REINFORCING MESH TO AS/NZS 4671

RL - DENOTES DEFORMED GRADE 500 LOW DUCTILITY REINFORCING MESH TO AS/NZS 4671

L-TM - DENOTES DEFORMED GRADE 500 LOW DUCTILITY TRENCH MESH TO AS/NZS 4671

ALL REINFORCED FABRIC SHALL COMPLY WITH AS1303 AND AS1304 AND SHALL BE SUPPLIED IN FLAT SHEET.



CONTROL JOINTS

SAWN CONTROL JOINTS (SJ) SHALL BE PLACED AT COLUMN CENTRES, AT A MAXIMUM OF 6.0M CENTERS IN EACH DIRECTION, WITH THE RATIO OF THE PANEL SHORT SIDE NOT TO EXCEED 1.5:1.

EVERY SECOND MESH WIRE TO BE CUT ALONG SAWN CONTROL JOINT LINE.

SAWN JOINTS SHALL BE FILLED WITH AN APPROVED JOINT SEALANT.

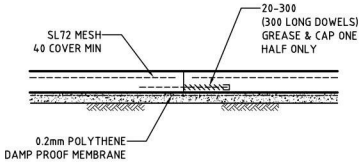
CONSTRUCTION CONTROL JOINTS (CJ) SHALL BE LOCATED AT COLUMN CENTERS, AT A MAXIMUM OF 18.0M CENTERS IN EACH DIRECTION.

DOWELS R10 x 400mm LONG TO BE LOCATED @ 300mm CENTERS ALONG CONSTRUCTION JOINT.

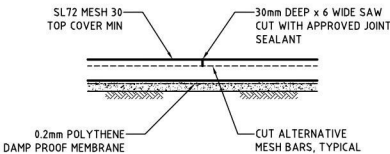
GREASE AND CAP ONE HALF ONLY OF EACH DOWEL.

NO ADMIXTURES SHALL BE USED WITH OUT THE WRITTEN APPROVAL OF THE ENGINEER.

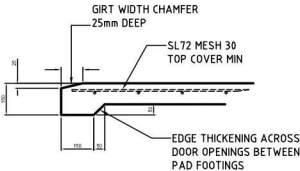
CONTROL JOINT DETAIL:



TYPICAL CONSTRUCTION JOINT DETAIL

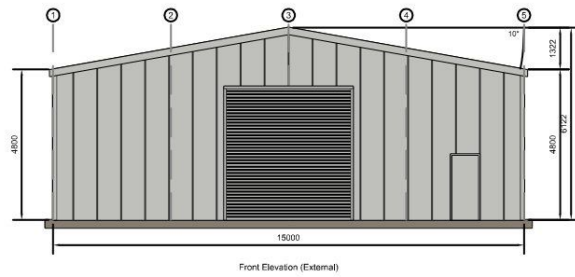


TYPICAL CONTROL JOINT DETAIL

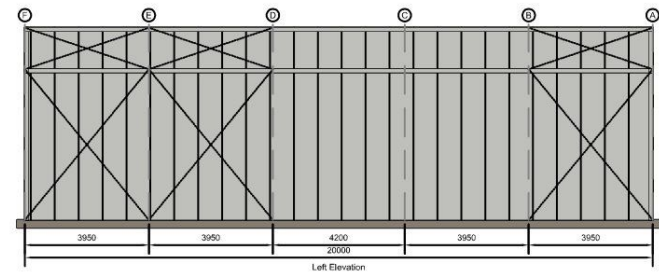


TYPICAL EDGE THICKENING DETAIL

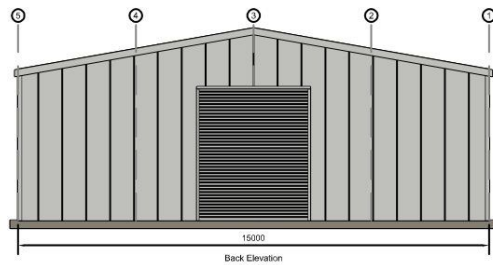
NOTE:
Foundation design is based on A, S or M soil types only



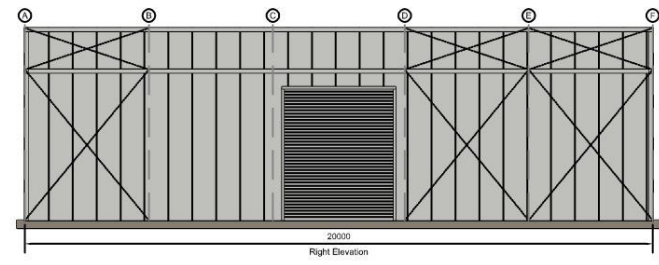
Front Elevation (External)



Left Elevation

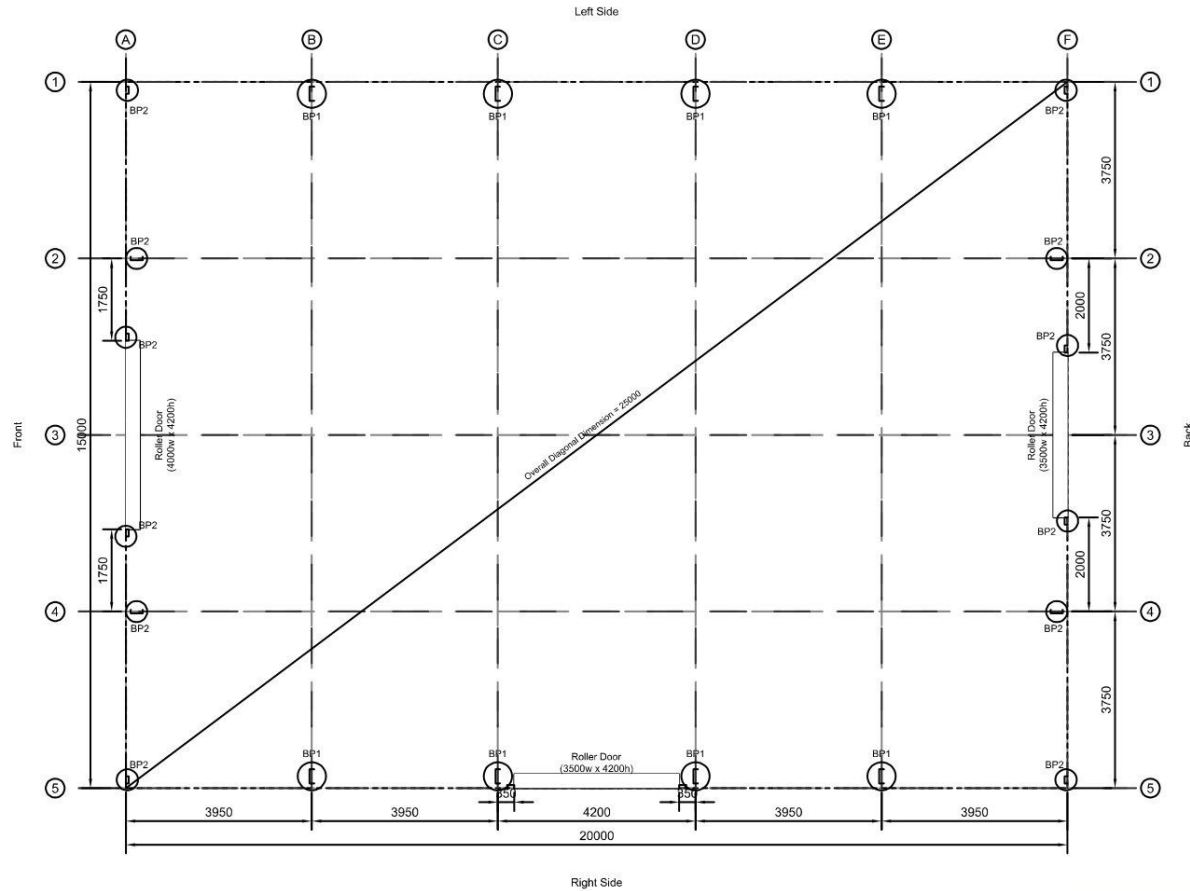


Back Elevation



Right Elevation

Footing schedule		
Mark	Description	Size
BP1	Bored Pier Footing	600mm W * 950mm D
BP2	Bored Pier Footing	450mm W * 750mm D



This Slab or footing requires Stirrups to be inserted. Do not pour until their exact location has been confirmed.

NOTE:
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GENERAL NOTES

GENERAL

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL THE ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAYBE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT FOR DECISION BEFORE PROCEEDING WITH THE WORK.

ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED. THE ENGINEER'S DRAWING SHALL NOT BE SCALED.

DURING CONSTRUCTION THE CONTRACTOR SHOULD BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NOT PART SHALL BE OVER STRESSED UNDER CONSTRUCTION ACTIVITIES. TEMPORARY BRACING SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED.

WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH THE RELEVANT CURRENT SA CODES INCLUDING ALL THE AMENDMENTS AND THE LOCAL STATUTORY AUTHORITIES EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

THE APPROVAL OF THE SUBSTITUTION SHALL BE SOUGHT FROM THE ENGINEER.

ALL DIMENSIONS ARE IN MILLIMETERS UNO ALL LEVELS ARE EXPRESSED IN METERS

THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS & ADDITIONAL DEAD LOADS (TO AS/NZS 1170.1)

AREA SUBJECT TO LOADING	LIVE LOAD - Distributed (kpa)	LIVE LOAD (kN)
GENERAL AREAS	1.5000	1.8000
OFFICE	3.00	2.7000
ROOF	0.25	1.4000

WIND LOADS: (TO AS/NZS 1170.2)
**** REFER TO THE SPECIFICATION SHEET FOR DESIGN LOADS ****

FOR EARTHWORKS AND FOUNDING CONDITIONS REFER TO SITE SPECIFIC GEOTECHNICAL REPORT AND DISCREPANCIES BETWEEN THE GEOTECHNICAL REPORT AND THE FOLLOWING NOTES SHALL BE REFERRED TO THE ENGINEER FOR A DECISION BEFORE PROCEEDING WITH THE WORK.

STRUCTURAL STEEL WORK

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS4100.

QUALIFICATION OF WELDING PROCEDURE AND PERSONNEL SHALL CONFORM TO SECTION 4 OF AS1554. 1. NON DESTRUCTIVE TESTING OF WELDS SHALL INCLUDE 100% VISUAL INSPECTIONS AND ADDITIONAL TESTING AS SHOWN AS SHOWN ON THE DRAWINGS

ALL WELDS SHALL BE 6 mm CONTINUOUS FILLET TYPE SP UNO. BUTT WELDS WHERE INDICATED ON THE DRAWING SHALL BE COMPLETED PENETRATION WELDS AS DEFINED IN AS 1554. 1.

BOLT DESIGNATION:
4.6/S - COMMERCIAL BOLTS OF GRADE 4.6 TO ASI 111 TIGHTENED TO A SNUG TIGHT FIT
8.8/S - HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 TIGHTENED TO A SNUG TIGHT FIT
8.8/TB - HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252 TIGHTENED TO A SNUG TIGHT FIT
8.8/TF - HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252 TIGHTENED TO A SNUG TIGHT FIT

GUSSET PLATES SHALL 10 mm THICK, UNO.

THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS IS NECESSARY TO STABILIZE THE STRUCTURE DURING ERECTION.

THE CONTRACTOR SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL TO STEEL AND TIMBER TO STEEL WHETHER OR NOT DETAILED IN DRAWINGS.

CONCRETE ENCASED STEEL WORK SHALL WRAPPED WITH F41 FABRIC AND SHALL HAVE 50 mm COVER UNO ON THE DRAWINGS

STEEL WORK NOT CONCRETE ENCASED, SHALL HAVE THE FOLLOWING SURFACE TREATMENT IN ACCORDANCE WITH THE SPECIFICATION UNO:

ELEMENT	SURFACE CLEANING	PRIMING
ALL STEEL WORK BUILT-IN TO BRICKWORK AND EXTERNAL STEEL WORK	TO AS1650	HOT DIPPED GALVANISED
ALL INTERNAL STEEL WORK	HAND/POWER TOOL TO CLASS 1 OF AS1627	ALKYD PRIMER ZINC PHOSPHATE

WHERE SEALED TUBE MEMBERS ARE TO BE HOT DIPPED GALVANIZED, THE FABRICATOR SHALL PROVIDE ALL DRILL HOLES AS NECESSARY.

THE CONTRACTOR SHALL PREPARE AND SUBMIT TWO (2) COPIES OF ALL WORKSHOP DRAWINGS FOR APPROVAL. FABRICATION SHALL NOT COMMENCE UNTIL APPROVAL HAS BEEN OBTAINED.

ALL TRANSPORTS AND ERECTION DAMAGE, SITE WELDS ETCH SHALL BE REINSTATED TO AN EQUIVALENT FINISH TO ACCIDENT STEEL WORK

MASONRY

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700.

THE DESIGN STRENGTH OF MASONRY SHALL BE

EXPOSURE CALCIFICATION TO AS 3600	MASONRY COMPRESSIVE STRENGTH MPa (fm)	MASONRY SALT RESISTANCE GRADE	DURABILITY CLASSIFICATION OF BUILT-IN COMPONENTS	MORTAR MIX	
				GP PORTLAND CEMENT LIME SAND	f _c MPa
A1 /A2.	≥6.3	GENERAL PURPOSE	RE:(GALVANISED)	1.0 : 1.0 :6.0	2.8000
B1	≥6.3	GENERAL PURPOSE	RE:(GALVANISED)	1.0 : 1.0 :6.0	2.8000
B2	≥6.7	EXPOSURE	RE:(STAINLESS)	1.0 :1.5 :4.5	2.8000

ALL MASONRY WALLS SUPPORTING SLABS AND BEAMS SHALL HAVE A PER-GREASED TWO LAYER GALVANIZED STEEL SPLIT JOINT BETWEEN CONCRETE AND MASONRY.

ALL MASONRY WALLS SUPPORTING OR SUPPORTED BY CONCRETE FLOOR SHALL BE PROVIDED WITH VERTICAL JOINTS TO MATCH ANY CONTROL JOINTS IN THE CONCRETE

NO LOAD BEARING WALLS SHALL BE SEPARATED FROM CONCRETE ABOVE BY 20mm THICK CLOSED CELL POLYTHENE STRIP

MASONRY SHALL BE ARTICULATED IN ACCORDANCE WITH TECHNICAL NOTE 61 FROM THE CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA. VERTICAL CONTROL JOINTS SHALL NOT EXCEED 6 METERS MAXIMUM CENTER AND 4 METERS MAXIMUM FROM CORNERS IN MASONRY WALLS AND BETWEEN NEW AND EXISTING BRICKWORK.

MASONRY RETAINING WALLS ARE TO BE BACK FILLED WITH EITHER OF THE FOLLOWING MATERIALS COARSE GRAINED SOIL WITH LOW SILT CONTENT

- RESIDUAL SOIL CONTAINING STONES
- FINE SILT SAND
- GRANULAR MATERIALS WITH LOW CLAY CONTENT

BLOCK WORK

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700.

REINFORCED CONCRETE BLOCK WORK SHALL COMPLY WITH THE FOLLOWING UNO

- BLOCKS GRADE 15 CONFORMING TO AS 1500
- MORTAR: 1 CEMENT / 0.25 LIME / 3 SAND
- PROVIDE CLEANOUT HOLES AT BASE OF WALL & ROD CORE HOLES TO REMOVE PROTRUDING MORTAR FINS
- CORE FILLING f_c = 20 MPa, 10 AGG, 230 SLUMP +/- 30 mm
- COVER :55 mm MINIMUM FROM OUTSIDE OF BLOCK WORK.

BACK FILL TO RETAIN WALLS TO BE FREE DRAINING GRANULAR MATERIAL, UNO PROVIDE SUBSOIL DRAIN BEHIND WALL AND AT WEEP HOLES

VERTICAL CONTROL JOINTS SHALL BE PROVIDED AT 10 m MAX CENTRE'S

NO ADMIXTURES SHALL BE USED WITH OUT THE WRITTEN APPROVAL OF THE ENGINEER