PLANT SCHEDULE Prepared by ecodesign Pty Ltd

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Crf	Cordyline 'Red Fountain'	Red Fountain Cordyline	3	175mm	1m
*Cys	Corymbia 'Summertime'	Summertime Red Flowering Gum	1	25L	6m
Li	Lagerstroemia indica	Crepe Myrtle	1	25L	6m
Lms	Liriope muscari 'Samantha'	Liriope (Pink flowering)	13	150mm	0.4m
*Lct	Lomandra confertifolia 'Tilga	Mat Rush	15	140mm	0.7m
*Mct	Melaleuca 'Claret Tops'	Claret Tops	6	200mm	1.5m

*Australian native plant

PLANTING SUMMARY

Total Plants	Total Native Plants	Total Exotic Plants	% Native Plants**	Total Trees***	Area of low water use / native plants m²
39	22	17	56%	2	12.2 m²

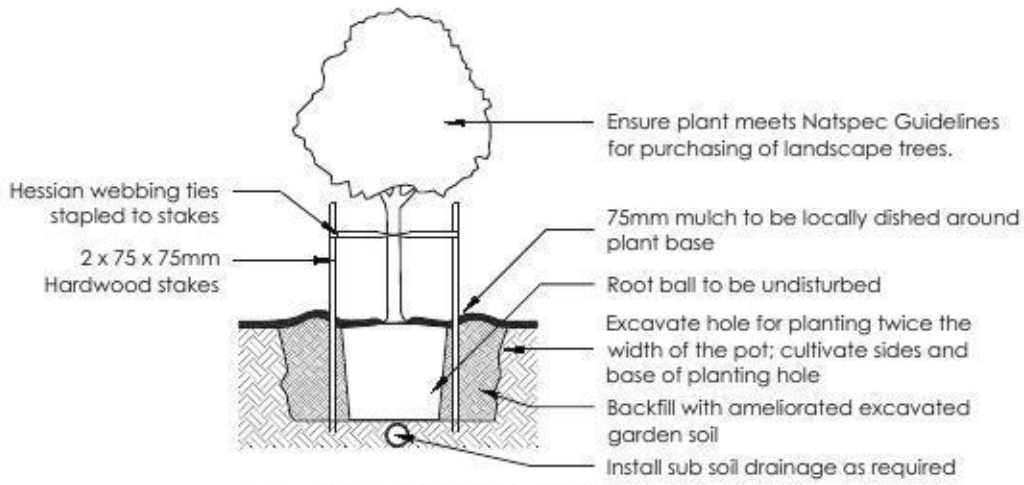
**Minimum required 50% ***Minimum 2 trees

LEGEND

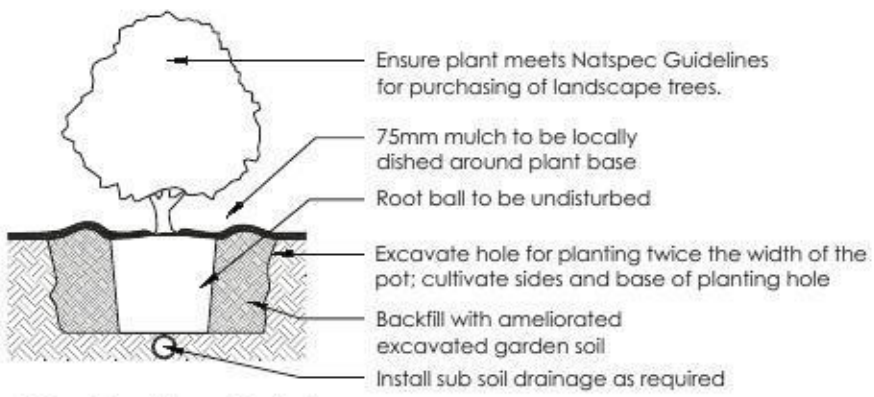
- Proposed trees - refer to plant schedule
- Proposed accents & grasses - refer to plant schedule
- Proposed shrubs - refer to plant schedule
- Proposed groundcovers and grasses - refer to plant schedule
- Existing levels
- + RL 101.55 Proposed levels
- + TOW 101.55 Proposed Top Of Wall levels
- Boundary
- Fence
- Garden edging
- Timber retaining walls
- Masonry retaining walls
- Existing contours
- To be removed / demolished
- Existing tree to be retained
- Existing tree to be removed

AREA CALCULATIONS

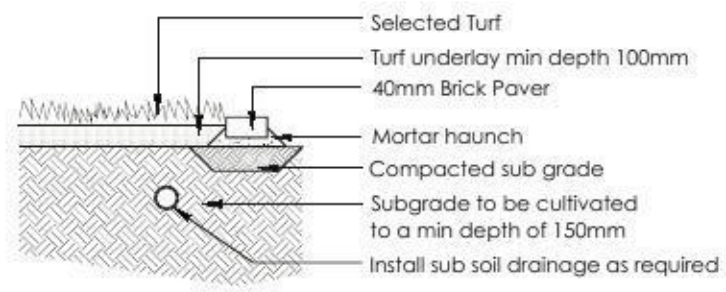
SITE AREA	- 450.4 m²
TOTAL LANDSCAPED AREA	- 252.8 m²
SOFT LANDSCAPED AREA	
MINIMUM REQUIRED	- 50% (126.4 m²)
PROPOSED	- 75.7% (191.4 m²)



1 NTS Tree Planting Detail
25L - 75L Pot Size



2 NTS Planting Detail
Tube, 150mm, 200mm Pot Size



3 NTS Turf Detail
Brick Paver Edge

REVISION	DESCRIPTION	DRAWN	CHECK	DATE
A	SUBMITTED TO CLIENT FOR COMMENT	TB	MD	23-05-13

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2. Verify all measurements on site
3. Notify ecodesign of any inconsistencies
4. Copyright © ecodesign. All rights reserved
5. Drawing remains the property of ecodesign
6. All work to comply with relevant Australian Standards or Building Code of Australia
7. All work to be performed by a suitably qualified tradesperson
8. For application purposes only - NOT FOR CONSTRUCTION

ADDRESS: LOT 2119 CABARITA WAY, JORDAN SPRINGS

CLIENT: PRACTICAL BUILDING

PROJECT: NEW RESIDENCE
DRAWING: LANDSCAPE PLAN
SCALE: 1:100 @ A3 | ISSUE: DA | SHEET: L - 02
DRAWN: TB | CHECK: MD | DATE: 23-05-13 | REVISION: A

GENERAL NOTES:

1. THESE DRAWINGS SHALL BE READ IN CONJUCTION WITH ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTION AS MAY BE ISSUED DURING THE THE COURSE OF THE CONTRACT. ANY DISCREPANCIES IN THESE DOCUMENTS SHALL BE REFERRED TO THE ENGINEER FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
2. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH CURRENT SAA CODES AND LOCAL GOVERMENT ORDINANCES.
3. THE FOOTINGS HAVE BEEN DESIGNED FOR A UNIFORM BEARING INTENSITY OF **150 kPa** FOUNDATION MATERIAL SHALL BE APPROVED BY AN ENGINEER FROM THIS OFFICE BEFORE PLACING ANY CONCRETE.
4. SITE CLASSIFICATION – **M** FOOTING SYSTEM – **WAFFLE** DESIGNED IN ACCORDANCE WITH 'AS 2870'. THE OWNER'S ATTENTION IS DRAWN TO APPENDIX A OF 'AS 2870' "PERFORMANCE REQUIREMENTS AND FOUNDATION MAINTENANCE".

FOUNDATION NOTES:

1. ALL SOFT FILLING MATERIAL AND TOP SOIL OVER THE NATURAL STRATA IS TO BE REMOVED.
   - FOR CLAY FILLING USE 150mm THICK LAYERS TO 300mm MAXIMUM DEPTH. THE CLAY IS TO BE MOIST AND COMPACTED BY MECHANICAL MEANS.
   - FOR SAND FILLING USE 150mm THICK LAYERS TO 600mm MAXIMUM DEPTH. THE SAND IS TO BE COMPACTED BY A VIBRATING PLATE OR ROLLER.

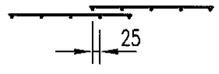
   IF EXTENT OF FILL EXCEEDS THE LIMIT OUTLINED ABOVE, THE ENGINEER IS TO BE NOTIFIED FOR FURTHER INSTRUCTION.
2. ALL TOP SOIL AND VEGETABLE MATTER ARE TO BE REMOVED FROM THE SITE AND ANY BOULDERS OR ROCKS TO BE REPLACED WITH GRANULAR FILLING.
3. SLAB AND FOOTING DETAILS REFER ONLY TO STABLE FOUNDATION MATERIALS NOT SUBJECT TO LOSS OF STABILITY DUE TO CLIMATIC CONDITIONS.

CONCRETE NOTES:

1. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH "SAA CONCRETE STRUCTURE CODE" AS 3600–2009.
2. CONCRETE QUALITY:

ELEMENT	MAX. SIZE AGGREGATE	SLUMP	DESIGN STRENGTH
WAFFLE SLAB	20mm	80mm	**25 MPa**
PIER	20mm	80mm	**25 MPa**

3. ALL READY MIXED CONCRETE IS TO COMPLY WITH AS 1379. NO ADDITIVES TO BE USED WITHOUT APPROVAL.
4. PROVIDE BAR SUPPORTS OR SPACERS AT A MAXIMUM SPACING OF 800mm CENTRED TO GIVE THE FOLLOWING CLEAR CONCRETE COVER TO REINFORCEMENT UNLESS NOTED OTHERWISE:
   FOUNDATION BEAMS: 50mm
   SLAB: 20mm TOP AND 30mm BTM.
5. ALL CONCRETE SHALL BE COMPACTED BY AN APPROVED IMMERSION TYPE VIBRATOR.
6. ALL CONCRETE SHALL BE CURED BY AN APPROVED METHOD FOR A MINIMUM PERIOD OF 7 DAYS IMMEDIATELY AFTER POURING.
7. CONDUITS, PIPES ETC MUST NOT BE PLACE IN CONCRET COVER NOR SHALL HOLES OR CHASES BE ALLOWED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
8. FIX REINFORCEMENTS AS SHOW ON DRAWINGS.
   THE TYPE AND GRADE IS INDICATED BY A SYMBOL AS SHOWN BELOW ON THE DRAWINGS THIS IS FOLLOWED BY A NUMERAL WHICH INDICATES THE SIZE IN MILLIMETRES.
   N = HOT ROLLED DEFORMED BAR GRADE D500N 500MPa
   S = HOT ROLLED RIBBED BAR D250N
   R = PLAIN ROUND BAR GRADE R250N 250MPa
   SL = SQUARE MESH 500L 500MPa
   RL = RECTANGULAR MESH 500L 500MPa
   L = TRENCH MESH 500MPa
   ALL REINFORCEMENT IS TO COMPLY WITH AS 4671 : 2001
9. SPLICES IN REINFORCEMENTS SHALL BE MADE ONLY IN THE POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER. LAPS SHALL BE IN ACCORDANCE WITH THE FOLLOWING. LAPS IN REINF. SHALL BE AS SHOWN ON DRAWING. LAP LENGTHS SHALL BE 40 BAR DIA. UNLESS NOTED OTHERWISE.

   FABRIC LAPS 

10. FOR CONCRETE BEARING, PROVIDE ONE LAYER OF 2–PLY "MALTHOID" MATERIAL BETWEEN CONCRETE AND BRICKWORK. BEFORE PLACING MATERIAL, LEVEL OFF TOP OF BRICKWORK WITH STEEL TROWEL FINISH AND 1:3:12 MORTAR BED OF 10mm MINIMUM THICKNESS.
11. ALL BRICKWORK SHALL COMPLY WITH AS 3700.

PIERS:

1. IF LOAD BEARING BEAMS ARE BEARING ON NON–STRUCTURAL FILL, THE FOLLOWING PIER ARRANGEMENT SHALL BE USED.

   FOR (CLAY STRATUM)
   400 DIA. BORED PIERS AT 1800 CTS

   FOR (SHALE OR ROCK)
   300 DIA. BORED PIERS AT 1800 CTS OR 500x300 BULK PIERS.

BRICKWORK NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH 'AS 3700'.
2. ALL BRICKS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20MPa.
3. BRICKWORK MORTAR TO BE A MIX 1 CEMENT 1 LIME 4.5 SAND.
4. BRICK WALLS TO BE PROVIDED WITH VERTICAL CONTROL JOINTS AT 6 METRE MAX. CTS. (CLASS M) 5 METRE MAX. CTS. (CLASS H).
5. ALL CLAY BRICKS SHALL BE EXPOSED TO AMBIENT CONDITIONS FOR MINIMUM OF 3 MONTHS BEFORE USE.
6. MAXIMUM 5 YEAR UNRESTRAINED EXPANSION OF CLAY BRICKS SHALL BE 0.8mm PER METRE.
7. CLAY BRICKS SHALL NOT BE LAID OVER FLOOR SLAB FOR MINIMUM OF 10 DAYS AFTER CONCRETING THE SLAB.
8. ALL BRICKWORK SHALL COMPLY WITH AS/NZS 4455
9. BRICKWORK ARTICULATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF TN61 ARTICULATED WALLING. (CEMENT, CONCRETE AGGREGATE.).
10. ALL BRICK WALLS SUPPORTING SLABS AND BEAMS SHALL HAVE 2 LAYERS PLY MALTHOID OR SIMILAR BETWEEN CONCRETE AND BWK. BEFORE PLACING MATERIAL LEVEL OFF TOP OF BRICKWORK WITH STEEL TROWEL FINISH AND A 1:3:12 MORTAR BED OF 10mm THICKNESS.
11. NON LOAD BEARING WALLS SHALL BE SEPARATED FROM CONCRETE ABOVE BY 20mm THICK CLOSED CELL POLYETHYLENE STRIP.

STEELWORK NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH 'AS 4100'. IT SHALL ALSO BE TO THE SATISFACTION OF RELEVANT AUTHORITIES AND THE ENGINEER.
2. UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE IN ACCORDANCE WITH –
   AS 3679 GRADE 300 ROLLED SECTIONS,
   AS 1163 GRADE 350 FOR RHS SECTIONS,
   AS 1163 GRADE 350 FOR CHS SECTIONS,
   AS 1204 GRADE 350 FOR ALL HIGH STRENGTH STEEL.
3. WELDS SHALL BE 6mm CONTINUOUS FILLET WELD (SP), ALL BOLTS 16mm DIAMETER COMMERCIAL GRADE, ALL CLEATS AND GUSSETS 8mm PLATE, UNLESS NOTED OTHERWISE.
4. BOLT TYPES SHALL BE AS FOLLOWS –
   4.6/S – COMMERCIAL BOLTS OF GRADE 4.6 TO 'AS 1111' 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 'AS 1252' FULLY TENSIONED TO 'AS 4100' AS A BEARING TYPE JOINT.
   8.8/TF – HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO 'AS 1252' FULLY TENSIONED TO 'AS 4100' AS A FRICTION TYPE JOINT WITH CONTACT SURFACES LEFT UNCOATED.

   ALL BOLT HOLES TO BE DRILLED, NO MORE THAN 2mm OVERSIZE U.N.O.
5. HIGH STRENGTH TB AND TF BOLTS SHALL BE INSTALLED USING APPROVED LOAD INDICATING WASHERS.
6. ALL STEELWORK SHALL BE THOROUGHLY WIRE BRUSHED AND PRIMED WITH RED OXIDE CHROMATE.
7. ALL STEEL MEMBERS MUST BE GALVANISED WHEN EXPOSED TO WEATHER
8. STEELWORK SHALL BE HANDLED AND STORED BY METHODS AND APPLIANCES THAT WILL NOT OVERSTRESS OR DEFORM IT.
9. 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 THE DRAWINGS.
10. WHERE SEALED TUBE MEMBERS ARE TO BE HOT DIPPED GALVANISED, THE FABRICATOR SHALL PROVIDE ALL DRILL HOLES AS NECESSARY.
11. THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION DURING ERECTION. SAFETY REQUIREMENTS, EQUIPMENT AND SCAFFOLDING SHALL MEET THE REQUIREMENTS OF THE REVELANT AUTHORITIES.
12. ALL TRANSPORT AND ERECTION DAMAGE, SITE WELDS ETC. SHALL BE REINSTATED TO AN EQUIVALENT FINISH TO ADJACENT STEELWORK.
13. FIXED PLATFORMS, WALKWAYS, STAIRWAYS AND LADDERS TO BE CONSTRUCTED IN ACCORDANCE WITH 'AS 1657–1992.

ISSUE	BY	DESCRIPTION	DATE
A	FA	FOR CC	23.05.13

Date	MAY 2013
Scale	NA
Drawn	LS
Checked	GT

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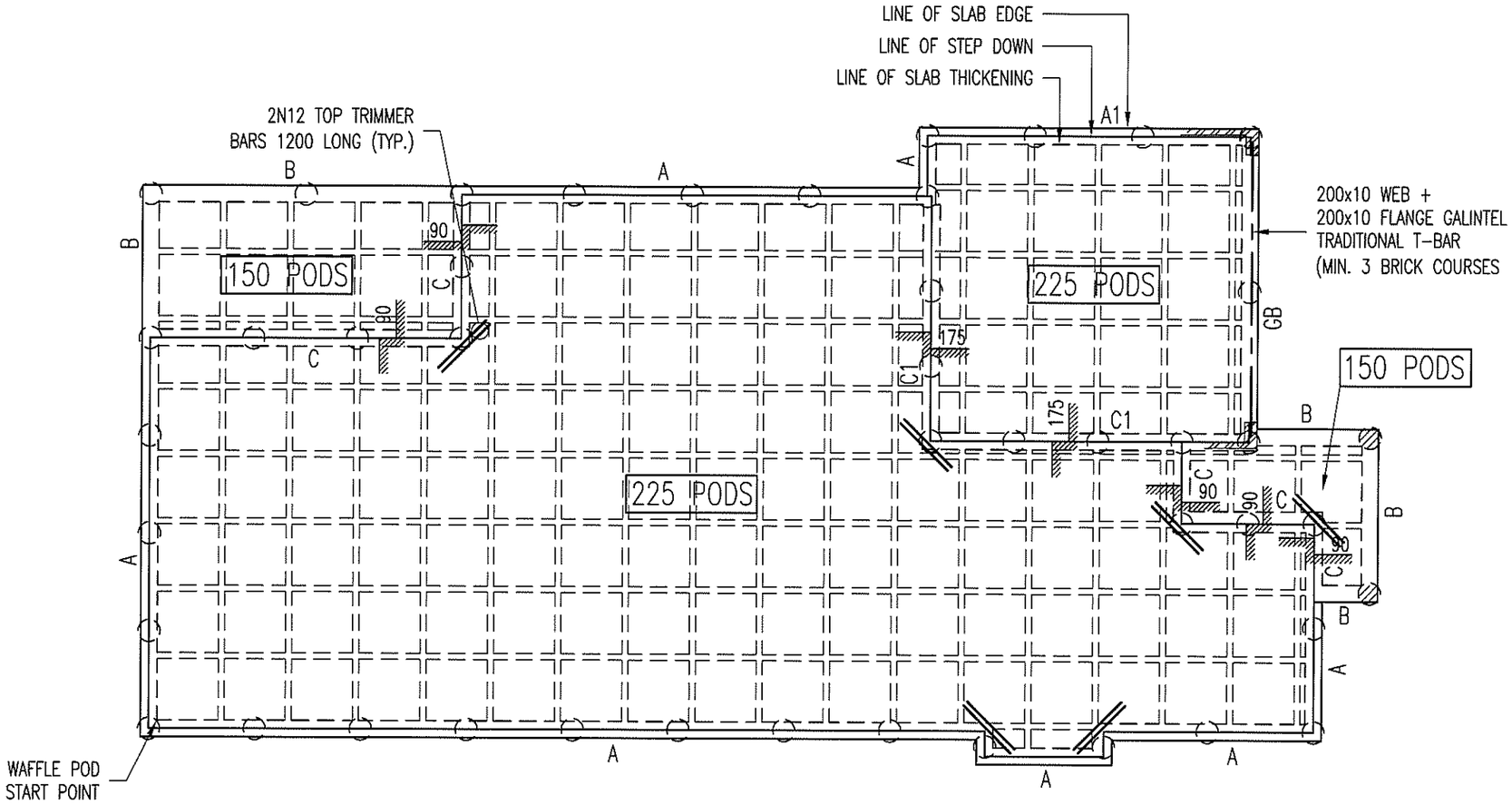
Project	PROPOSED DWELLING LOT 2119 DP 1168991 CABARITA WAY JORDAN SPRINGS			
Client	PRACTICAL BUILDING		Issue: A	Project No.: P3944
Title	GENERAL NOTES	Activity Type: CC	Job No: 1220-13	Sheet No: S00

A3 SHEET

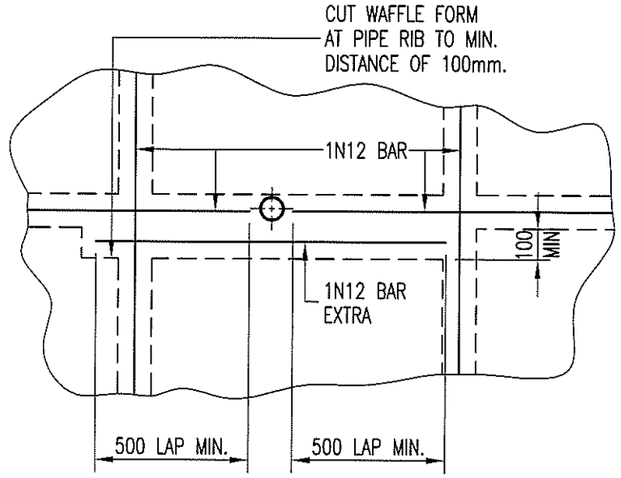
REFER TO GENERAL NOTES
ON DRAWING No. S00



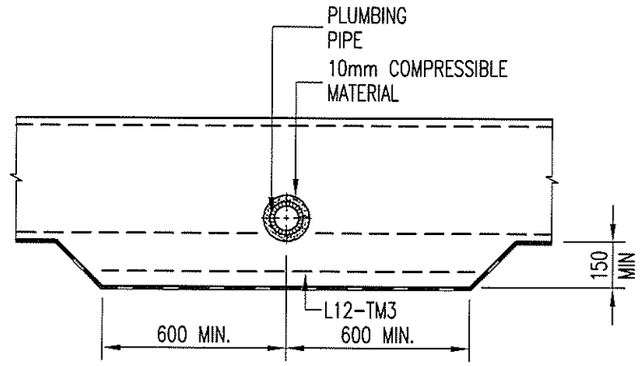
WAFFLE POD SLAB PLAN

SCALE 1:100

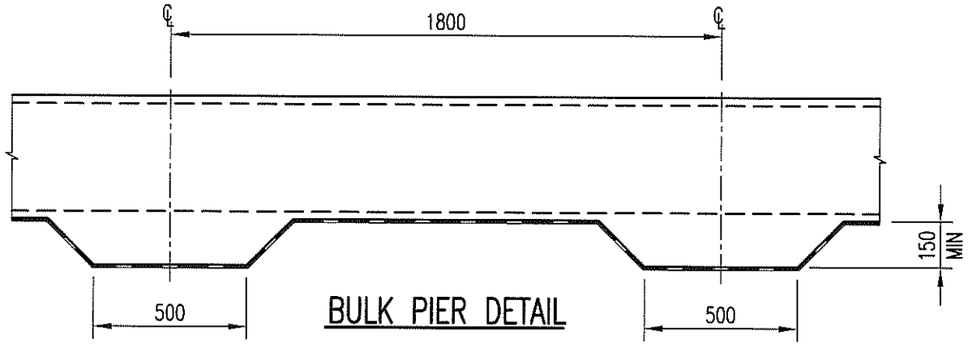
- 85mm THICK SLAB U.N.O.
- SL72 FABRIC TOP THROUGHOUT U.N.O.
- CONCRETE STRENGTH f'c = 25MPa
- ◯ – INDICATES 400 DIA. MASS CONCRETE PIERS 1800 CTS. MAX.
- ▨ – INDICATES 400 DIA. MASS CONCRETE PIERS (MIN. 600mm DEEP)



PIPE THROUGH RIB DETAIL



DETAIL OF PLUMBING PIPE THROUGH FOOTING



BULK PIER DETAIL

ISSUE	BY	DESCRIPTION	DATE
A	FA	FOR CC	23.05.13

Date	MAY 2013
Scale	1:100, 20
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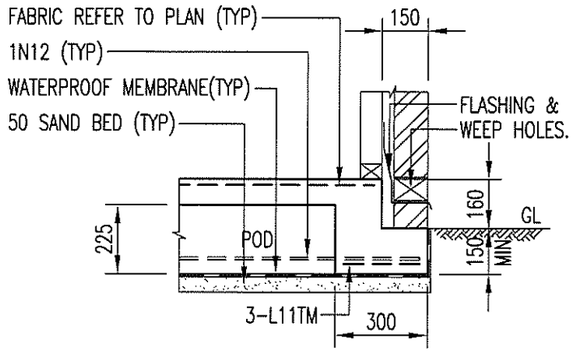
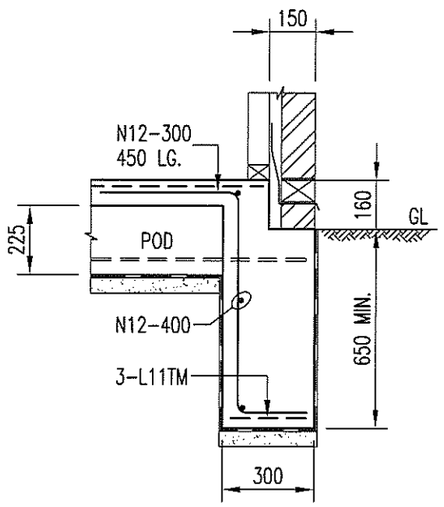
Project	PROPOSED DWELLING LOT 2119 DP 1168991 CABARITA WAY JORDAN SPRINGS			
Client	PRACTICAL BUILDING	Issue: A	Project No.: P3944	
Title	WAFFLE POD SLAB PLAN 'M' AND DETAILS	Activity Type: CC	Job No: 1220-13	Sheet No: S01

A3 SHEET

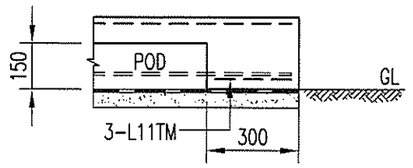
REFER TO GENERAL NOTES
ON DRAWING No. S00



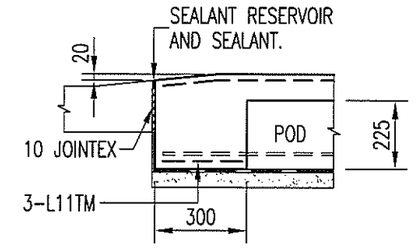
EDGE BEAM ... TYPE A



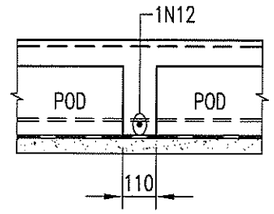
BOUNDARY EDGE BEAM ... TYPE A1



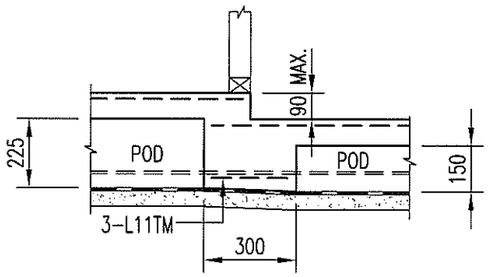
EDGE BEAM ... TYPE B



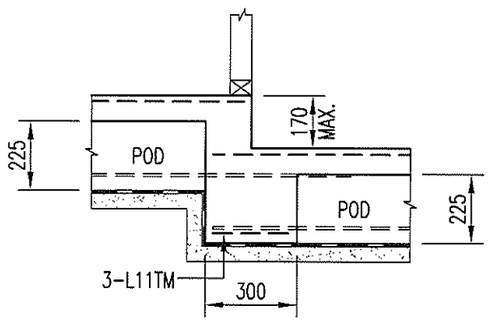
GARAGE DOOR BEAM ... TYPE GB



RIB DETAIL



STEP DOWN ... TYPE C



STEP DOWN ... TYPE C1

ISSUE	BY	DESCRIPTION	DATE
A	FA	FOR CC	23.05.13

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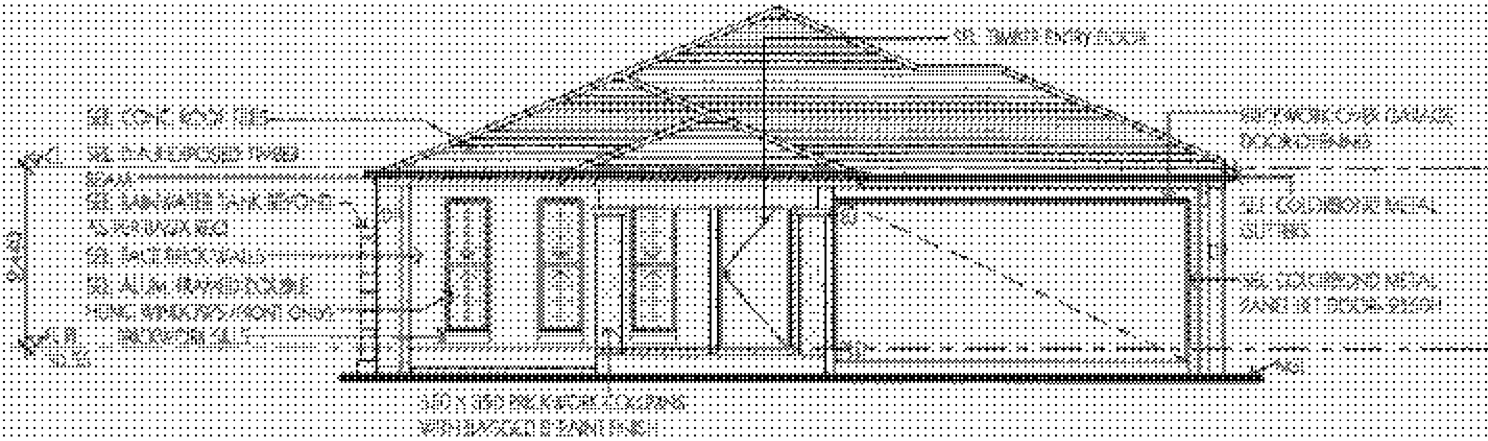
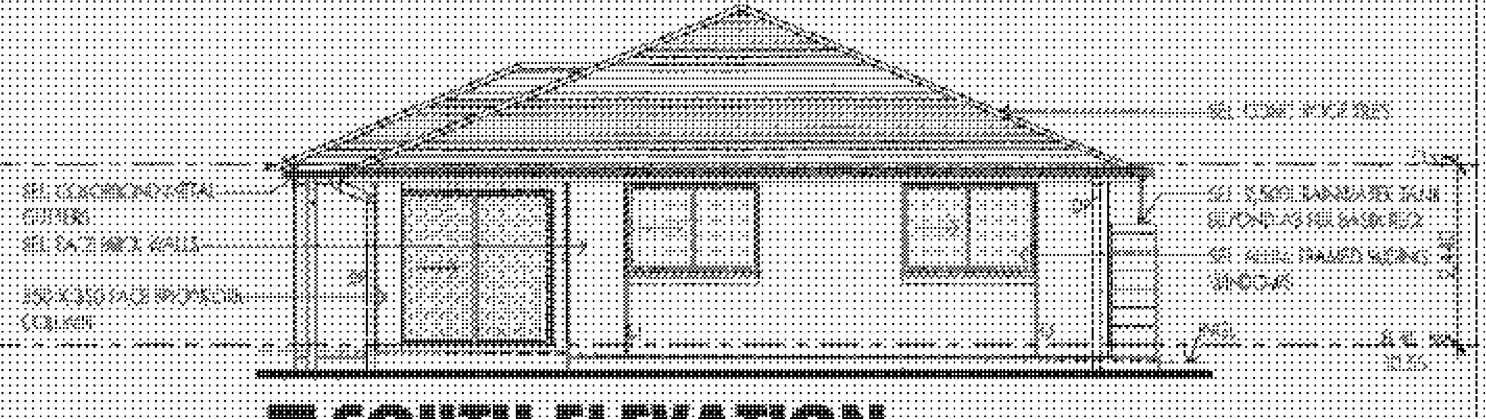
Project	PROPOSED DWELLING LOT 2119 DP 1168991 CABARITA WAY JORDAN SPRINGS			
Client	PRACTICAL BUILDING		Issue: A	Project No.: P3944
Title	WAFFLE POD SLAB DETAILS	Activity Type: CC	Job No: 1220-13	Sheet No: S02

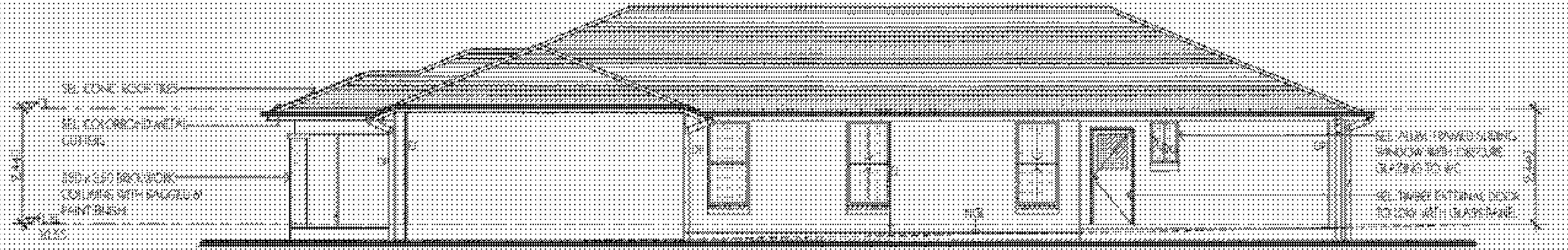
A3 SHEET



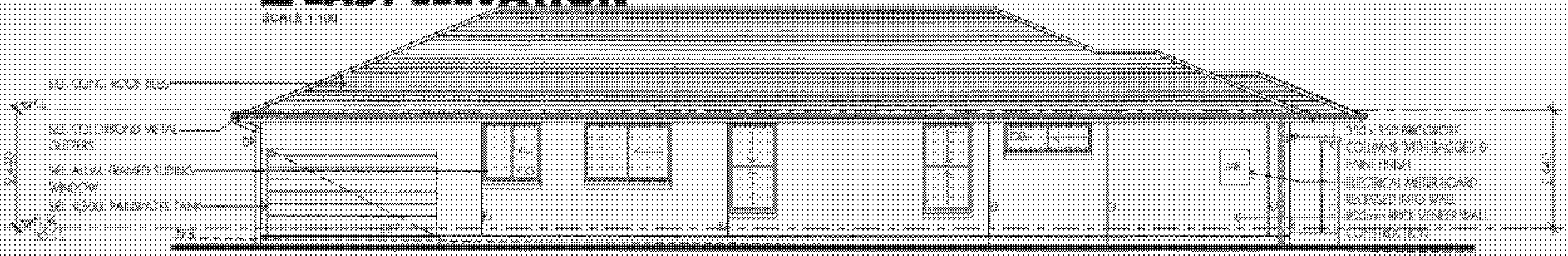
NORTH ELEVATION
SCALE 1:100



SOUTH ELEVATION
SCALE 1:100



EAST ELEVATION
SCALE 1:100



WEST ELEVATION
SCALE 1:100

LEGEND:

- DP: DOWNPIPE
- CJ: EXPANSION JOINT TO BRICK WALL
- PLD: PANEL LIFT DOOR
- RD: ROLLER DOOR
- RWT: RAINWATER TANK
- MB: ELECTRICAL METERBOARD
- OG: OBSCURE GLAZING TO SEL. WINDOW

BASIX & NatHERS COMMITMENTS NOTES

BERS Pro

PROPOSED DWELLING

PRACTICAL BUILDING

P3944