
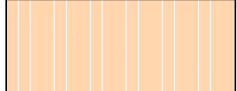
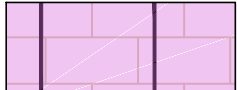


## BASIX INFORMATION

Construction	Additional insulation required (R-value)	Other specifications
flat ceiling, pitched roof	ceiling: R1.75 (up), roof: foil/sarking	light (solar absorbance < 0.475)

## KEY

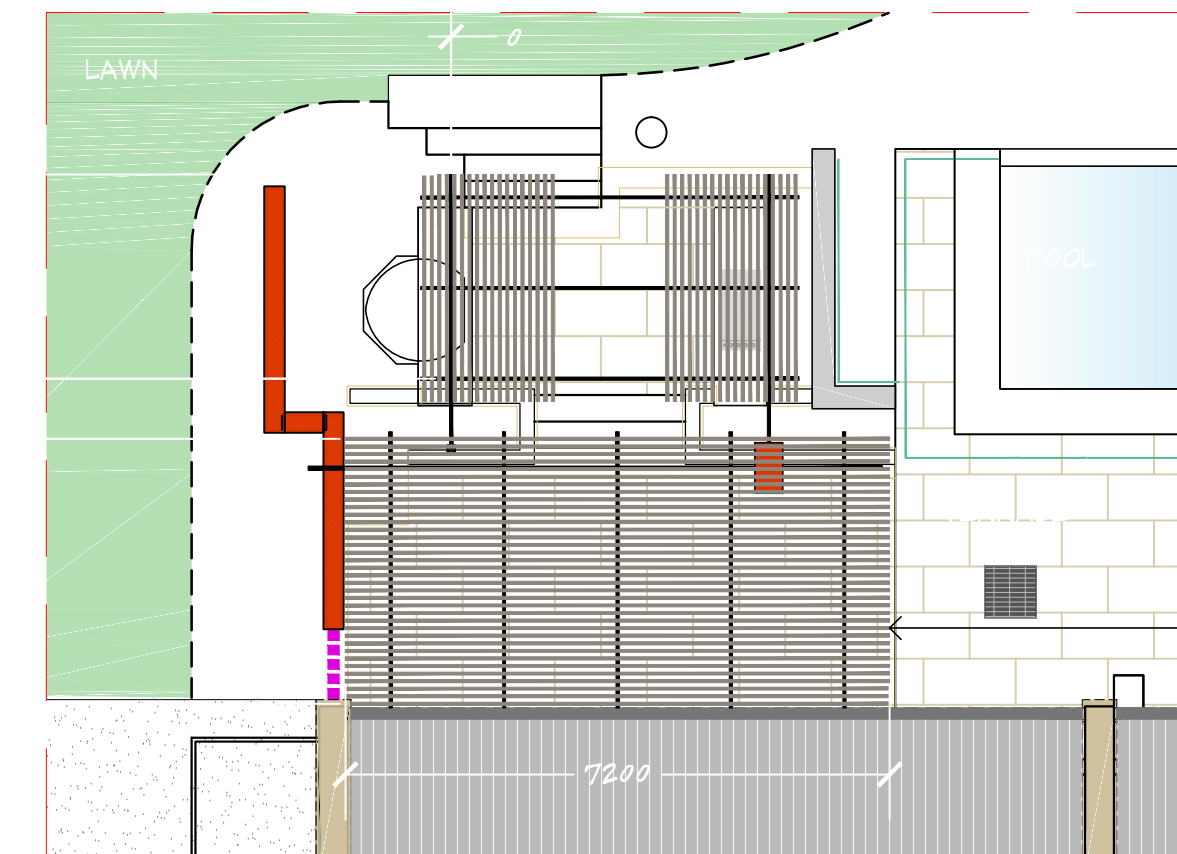
	EXISTING CORRUGATED ROOF
	PROPOSED METAL ROOF - 53m <sup>2</sup>
	PROPOSED METAL PERGOLA - 36m <sup>2</sup>

OPEN GABLE METAL ROOF  
30 DEGREE PITCH TO MATCH EXISTING

CORRUGATED METAL ROOFING  
COLOUR TO MATCH EXISTING ROOF -  
COLORBOND 'WINDSPRAY'



HALF ROUND FLAT BACK GUTTER  
SLOTTED IN COLORBOND 'MONUMENT'  
TO MATCH EXISTING



INSET PLAN  
ALUMINIUM SHADE BATTEN LAYOUT TO SOUTH TERRACE PERGOLA

30 X 60 NOM RHS ALUMINIUM  
BATTENS IN COLORBOND 'MONUMENT'  
- TO MATCH EXISTING TRIM

## STORMWATER DRAINAGE STATEMENT

## GENERAL -

THE EXISTING STORMWATER REGIME INCLUDES THE COLLECTION OF HOUSE ROOF WATER INTO EXISTING BURIED STORAGE TANKS (TWO 10,000L CAPACITY) IN THE REAR LAWN EXPANSE WITH OVERFLOWS TO GARDEN.

STORMWATER RUNOFF OVER HARD-PAVED AREAS AROUND THE HOUSE IS COLLECTED BY GRATED PITS LOCATED NEAR EITHER END OF THE DWELLING IN THE FRONT AND VIA THREE GRATED PITS IN THE POOL TERRACE LEVEL AT THE REAR. A GRATED OVERFLOW PIT IS LOCATED LOWER IN THE REAR GARDEN LAWN.

NO CHANGE IS PROPOSED TO THE EXISTING SYSTEM AND NO ADDITIONAL STORMWATER CAPACITY WILL BE REQUIRED FROM PROPOSED PAVED OR ROOF AREA.

## ZONE DETAILS -

- A** BBQ TERRACE (REAR)  
THE PROPOSED SPLIT-LEVEL TERRACE REPLACES AN EXISTING PEBBLED TERRACE AT HOUSE LEVEL AND AN AREA OF STEEP LAWN RUNNING OFF TO THE REAR AT THE SOUTH-WESTERN END OF THE EXISTING POOL. THE UPPER TERRACE (20m<sup>2</sup>) WILL DRAIN NATURALLY AWAY FROM THE DWELLING TO THE NEW TERRACED GARDEN AREAS ON TWO SIDES. THE LOWER, SMALLER PAVED TERRACE AND STEPS (19m<sup>2</sup>) WILL ALSO DRAIN NATURALLY TO THE TERRACED GARDENS ON TWO SIDES AND TO THE EXTENSIVE LAWN TO THE REAR. THE LEVEL GARDEN TERRACING WILL IMPROVE MOISTURE ABSORPTION AND REDUCE THE FLOW RATES OF OVERLAND FLOW LOCALLY.
- B** COVERED POOL TERRACE (REAR)  
THE PROPOSED SHADE ROOF STRUCTURE COVERS AN EXISTING HARD-PAVED TERRACE SERVICED BY TWO GRATED PITS. ROOF WATER FROM THE NEW ROOF STRUCTURE WILL BE CONNECTED, VIA TWO DOWN-PIPE AND SUB-SURFACE PIPES, TO THIS EXISTING SYSTEM.
- C** SMALL PAVED LANDING AND NEW GARDEN ACCESS STEPS (REAR)  
A PAVED LANDING AND NEW, BROADER, MORE USER-FRIENDLY STONE STEPS, CONNECTING THE MAIN POOL TERRACE TO THE LOWER LAWN AND GARDEN (11m<sup>2</sup>), WILL REPLACE EXISTING SANDSTONE STEPS (2m<sup>2</sup>). THE LANDING AND STEPS WILL DRAIN NATURALLY TO THE SURROUNDING LAWN AND GARDEN AREAS.
- D** SUBSOIL DRAINAGE CHANNEL (FRONT)  
A STRIP DRAINAGE CHANNEL ADJACENT THE EXISTING PATH AND ALONG THE BOTTOM OF THE SLOPED LAWN WILL INTERCEPT SURFACE RUNOFF DURING HEAVIER RAIN EVENTS THAT CURRENTLY POND AGAINST THE DWELLING WALL. SOCKED SUBSOIL DRAINAGE WILL BE CONNECTED TO THE EXISTING DEEP GRATED PIT.
- E** PEDESTRIAN ENTRY PATH (FRONT)  
THE PROPOSED STONE PAVED PEDESTRIAN ENTRY PATH, CONNECTING THE DRIVEWAY TO THE EXISTING ENTRY COURTYARD REPRESENTS AN ADDITIONAL 16m<sup>2</sup> OF HARD-PAVED AREA. THE PATH WILL DRAIN NATURALLY TO THE NEW AND EXISTING GARDEN/LAWN AREAS BELOW WITHOUT IMPACT.

<b>PROJECT</b> EXTERNAL WORKS	<b>CONSULTANT</b> CALDESIGN interiors & landscape (A.K. LANE AILA RLA no. 1271)	<b>DRAWING</b> ROOF AND STORMWATER DRAINAGE PLAN	<b>DRAWING NO.</b> DA-07	<b>NORTH</b>	<b>REVISIONS</b>	<b>REVISIONS</b>
<b>CLIENT / SITE</b> P & J ROWLEY 368 Joalah Road, Duffys Forest	<b>CONTACT</b> E: studio@caldesign.com.au M: 0413 607 104 W: www.caldesign.com.au A: 10 Jordan Road, Wahroonga NSW	<b>STAGE</b> DEVELOPMENT APPLICATION	<b>STATUS</b> FOR DA APPROVAL	<b>SCALE</b> 1:100 @ A1	<b>No.</b> A B C	<b>Date</b> 20.12.2022 19.01.2023 10.02.2023
					<b>Notes</b> DRAFT DA - CLIENT REVIEW DRAFT DA - UPDATE PLANTING AROUND REVISED ENTRY PATH DESIGN DRAFT DA - SEPARATE ROOF PLAN AND LANDSCAPE / PLANTING PLAN	<b>No.</b> D --- --- ---
						<b>Date</b> 10.03.2023 --- ---
						<b>Notes</b> DA SUBMISSION --- ---