



SECTION VIEW

30mm COVER TO BAR

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			SPECIFICA	
			1.	SLEI SLEI COM
REINFORCEMENT TYPES		5	2.	THE SUIT SAT
	TYPE A	EITHER: 2/N12, 3N10, 2/12mm GFRP (60GPa) OR ALSO 2/N10 USING 60MPa CONCRETE	-	THE LOA
		EITHER: 2/N10, 2/10mm		CAL

PROJECT:

CONCRETE SLEEPER DESIGN

GFRP (60GPa)

TYPICAL SLEEPER RETAINING WALL DETAIL

SLEEPER SIZE = 2400 LONG X 200mm DEEP								
WALL TYPE	THICKNESS (t)	REINFORCEMENT	SOIL RETAINED (H) 5KPa	SOIL RETAINED (H) 10KPa				
2400-77-A	77mm	TYPE A	1.8m	1.4m				
2400-100-A	100mm	TYPE A	3.0m	2.8m				
2400-120-A	120mm	TYPE A	4.0m	3.6m				
2400-77-B	77mm	TYPE B	1.4m	1.2m				
2400-100-B	100mm	TYPE B	1.8m	1.6m				
2400-120-B	120mm	TYPE B	3.0m	2.6m				

TYPE B

///////////////////////////////////////	ASSUMED SOIL PROPERTIES			
SOIL DENSITY (kN/m^3)	18			
Ка	0.35			
INTERNAL FRICTION ANGLE	30 DEGREE			



Barrason's Engineers E: admin@barrasonengineers.com T:03 5940 2638 W: www.barrasonengineers.com

TITLE: CONCRETE SLEEPER RETAINING WALL (2400 LONG)

FOR CONSTRUCTION EEF

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- SLEEF -TRAN

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CLIENT: SUNSET SLEEPERS

JOB No: 2109031

SCALE:

SLEEF LESS

2400 				/	10		
	·			REINFORCE CENTRAL F SECTION		r	
<u>elevation</u>	<u>view</u>						
FICATIONS: SLEEPER CONCRETE GRADE TO BE N40. CASTING EACH SLEEPER REQUIRES RIGID FORMWORK AND CONCRETE							
COMPACTION IN ACCORDANCE WITH AS3600 THESE SLEEPER WALLS SPECIFICATIONS ARE ONLY SUITABLE FOR USE WITH RETAINING WALLS WHICH SATISFY THE FOLLOWING CONDITIONS:							
THE WALL IS NOT SUBJECT TO HEAVY SURCHARGE OADS, THE SURCHARGE LOADS THAT INCLUDED IN THIS CALCULATION IS 5kPA or 10 kPa							
THE FINAL SURFACE GRADIENT ABOVE THE WALL IS EVEL OR ONLY SLIGHT (LESS THAN 1 VERTICAL RISE IN 0 HORIZONTAL)							
THE WALLS BACKFILL IS FREE DRAINING CONSISTING OF SAND &/OR GRAVEL							
ALL SUB-SURFACE AGRICULTURAL DF							
BLEEPERS ARE HANDLED WITH DUE CARE DURING TRANSPORTATION AND ERECTION							
SLEEPER MINIMUM END BEARING LENGTH SHALL NOT BE ESS THAN 25mm EACH END							
RS		REVISION	AMENDED DESC	RIPTION	DRAWN BY	DATE	
DRAWING No: S103		A B	FOR CONSTRUCTION FOR CONSTRUCTION		B.E. B.E.	08.09.21 16.05.22	