



SECTION VIEW

30mm COVER TO BAR

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		<u>SPE</u>	CIFICAT
		1.	SLEEP SLEEP COMP
REINFORCEMEN	T TYPES	2.	THESE SUITAI SATISI
TYPE A	EITHER: 2/N12, 3N10, 2/12mm GFRP (60GPa) OR ALSO 2/N10 USING 60MPa CONCRETE	-	THE W
TYPE B	EITHER: 2/N10, 2/10mm GFRP (60GPa)		CALCU

PROJECT:

CONCRETE SLEEPER DESIGN

## TYPICAL SLEEPER RETAINING WALL DETAIL

	SLEEPEF	R SIZE = 2400 LON	IG 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

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



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TITLE: CONCRETE SLEEPER RETAINING WALL (2400 LONG)

FOR CONSTRUCTION

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- SLEEF -TRAN
  - SLEEF LESS

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JOB No: 2109031

SCALE:

2400				
ELEVATION VIEW				
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 GUITABLE FOR USE WITH RETAINING WALLS WHICH GATISFY 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 WATER IS DRAINED BY MEANS OF AN				
AGRICULTURAL DRAIN, OR OTHER SUITABLE METHOD.				
RANSPORTATION AND ERECTION SLEEPER MINIMUM END BEARING LENGTH SHALL NOT BE ESS THAN 25mm EACH END				
REVISION AMENDED DESCRIPTION DRAWN BY DATE   A FOR CONSTRUCTION B.E 08.09.21   B FOR CONSTRUCTION B.E 16.65.22   C FOR CONSTRUCTION B.E 23.05.22				