

TYPICAL SECTION

SPECIFICATIONS

- 1. SLEEPER CONCRETE GRADE TO BE N40. RIGID FORMWORK & INTENSE CONCRETE COMPACTION IN ACCORDANCE WITH AS 3600 IS REQUIRED FOR CASTING EACH SLEEPER.
- 2. HAND COMPACTING EQUIPMENT ONLY IS PERMITTED TO BE USED ADJACENT SLEEPERS (WITHIN DISTANCE = 0.75H)
- 3. THESE SLEEPER SPECIFICATIONS ARE ONLY SUITABLE FOR USE WITH RETAINING WALLS WHICH SATISFY THE FOLLOWING CONDITIONS/LIMITATIONS.
- THE WALL IS NOT SUBJECT TO HEAVY SURCHARGE LOADS. FOR EXAMPLE, NEARBY EXISTING RETAINING WALLS, STRUCTURES OR BUILDINGS WITHIN A DISTANCE EQUAL TO TWO TIMES THE WALL HEIGHT.
- THE FINAL SURFACE GRADIENT ABOVE THE WALL IS LEVEL OR ONLY SLIGHT ie. LESS THAN 1 VERTICAL RISE IN 10 HORIZONTAL.
- THE WALL 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.
- SLEEPERS ARE HANDLED WITH DUE CARE DURING TRANSPORTATION & ERECTION.
- 4. SLEEPER MINIMUM END BEARING LENGTH SHALL NOT BE LESS THAN 25mm EACH END.
- 5. FOR DETERMINATION OF THE APPROPRIATE SLEEPER TYPE, THE HEIGHT IS MEASURED FROM THE TOP OF THE WALL TO THE APPLICABLE SLEEPER. A WALL FACE CROSS SECTION MAY CONSIST OF VARIOUS SLEEPER TYPES.

ASSUMED SOIL PROPERTIES							
γ_{S}	=	18kN/m³					
Ø	=	30°					
ASSUMED MAX. SURCHARGE							
Q	=	5kPa					

SLEEPER LENGTH (l) = 2000mm						
WALL TYPE	WALL HEIGHT (h)	THICKNESS † (mm)	REINFORCEMENT			
2m STD (GREEN)	≼ 1.6	75	2-N10			
2m HEAVY DUTY (BLUE)	1.6m < h ≼ 3.0m	100	2-N10			
2m EXTRA HEAVY DUTY (RED)	3.0m < h ≤ 4.0m	120	2-N12			

NOTE:

1. PANELS & SLEEPERS MAY BE USED TOGETHER. FOR PANEL TYPES REFER DRAWING WAD150933-S10.

REV.	DATE	DESCRIPTION	DRAFT	ENG.	CHK.	
Ø	24.11.17	CONSTRUCTION ISSUE	RB	NM	(L	

CONSTRUCTION

ISSUE

WGA
WALLBRIDGE GILBERT
AZTEC

60 Wyatt Street, Adelaide

Telephone 08 8223 7433

Email adelaide@wga.com.au

2000mm LONG SLEEPER

CONCRETE SLEEPERS

A3 DRAWING NUMBER

Job Number Sheet No. Rev.

© C.LINDNER R.BROWN ADL171037

OUTBACK SLEEPERS AUSTRALIA P/L

