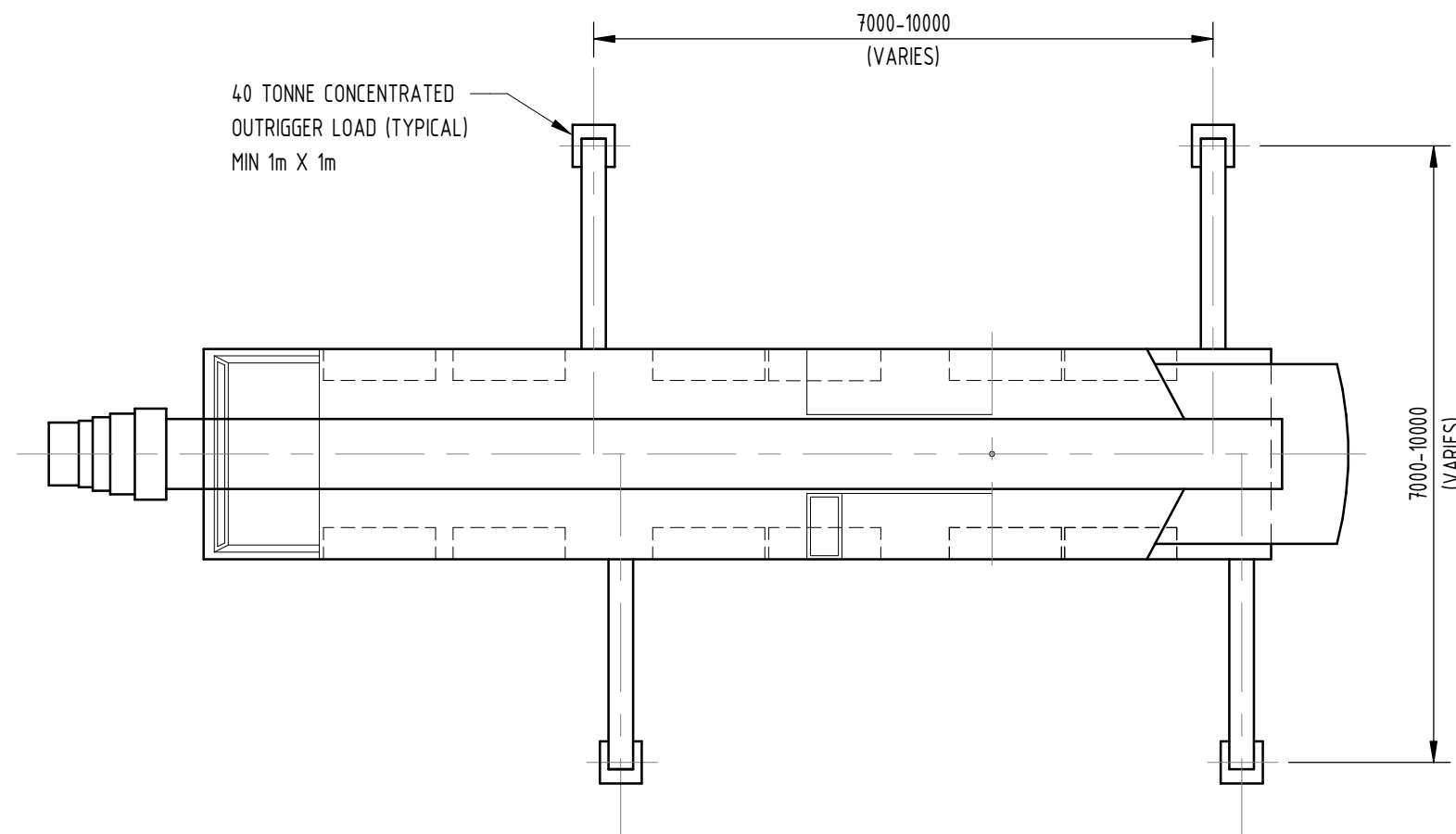
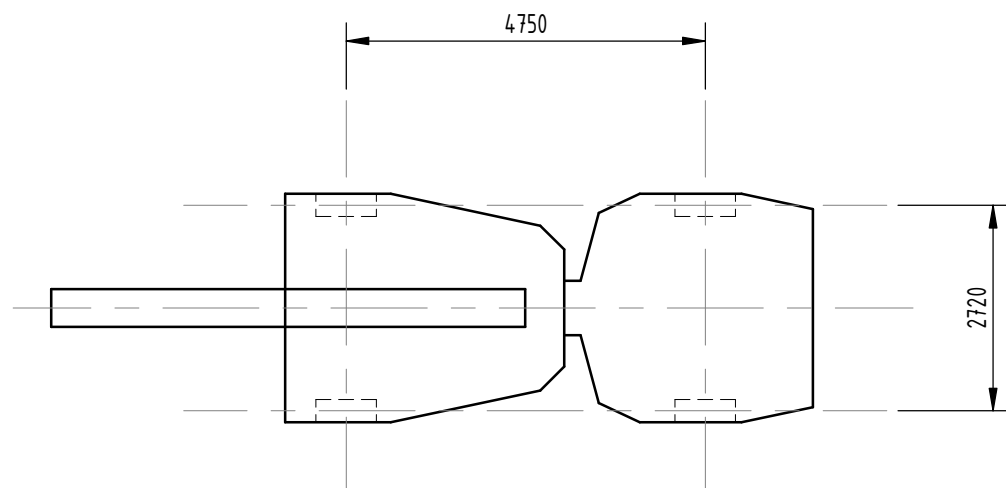




BERTH 3 LOADING DIAGRAM
SCALE 1:250

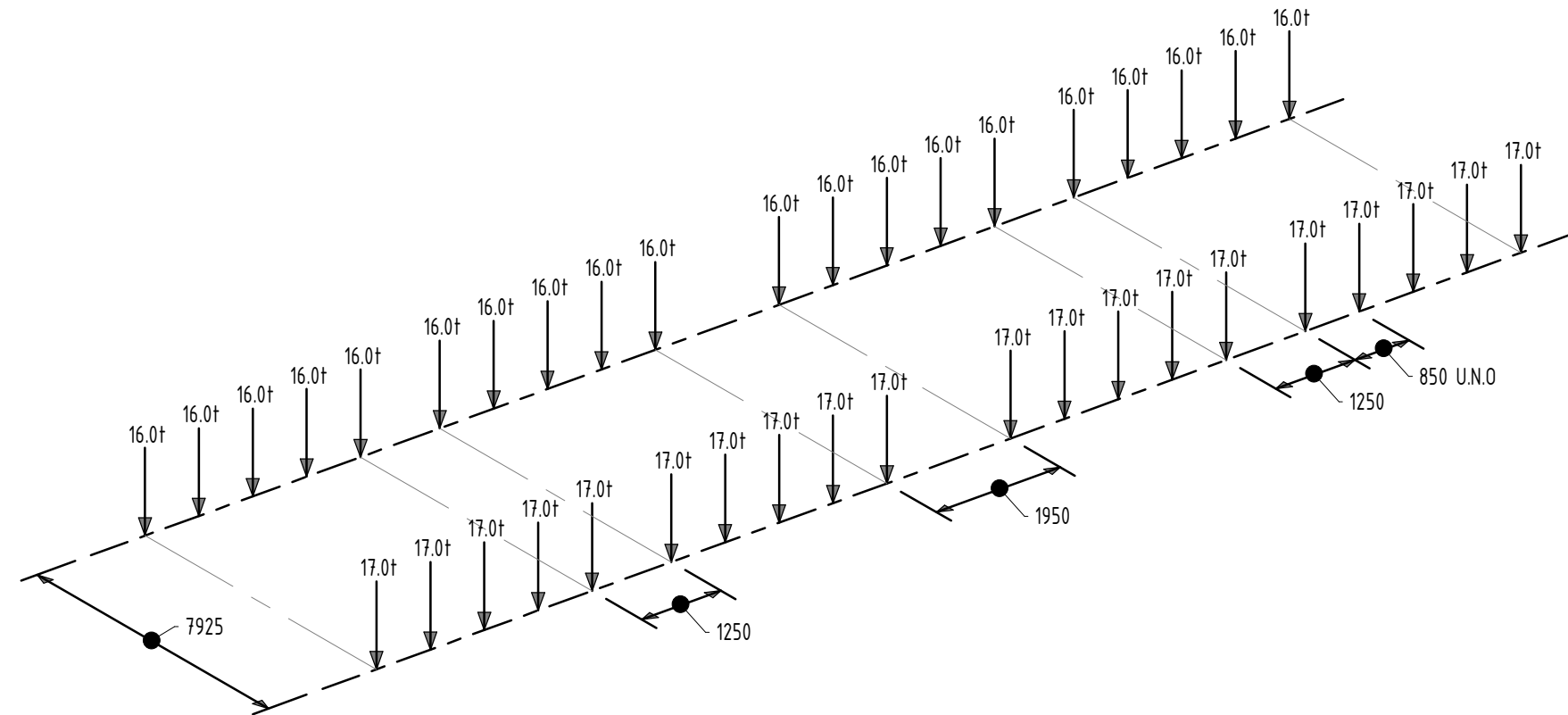


HEAVY LIFT CRANE



MOBILE CRANE

MAXIMUM AXLE LOAD (WITH LOAD) = 46.8t
MAXIMUM AXLE LOAD (WITHOUT LOAD) = 12t



SHIPLOADER LOAD PLAN

BERTH 3 GENERAL LOADING ALLOWANCES:	
	- STACKED LOAD 3400 kg/m ²
	- OPERATING MOBILE CRANE WITH MAX. 40T OUTRIGGER LOAD. OUTRIGGER LOAD TO BE SPREAD OVER A 1.2m X 1.2m FOOTPRINT
	- FRANA CRANE WITH MAX 46.8t AXLE LOAD.
	- FORKLIFT WITH MAX 32t AXLE LOAD.
	- LIVE LOAD ALLOWANCE 1000kg/m ²
	- FRANA CRANE PROHIBITED
	- FORKLIFT PROHIBITED
	- CRANE OUTRIGGER NOT TO BE POSITIONED IN THIS ZONE.

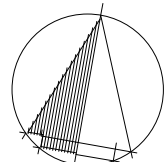
TRAFFIC LOADS:	
VEHICLE	DYNAMIC FACTOR
W80 WHEEL LOAD	1.1
A160 AXLE LOAD	1.1
M1600 MOVING LOAD	1.1
S1600 STATIONARY TRAFFIC LOAD	1.0
AUSTROADS T44 TRUCK	1.25
ROAD TRAIN	1.25
6 AXLE CRANE, 12T PER AXLE	1.1
16T FORKLIFT, MAX 32t AXLE LOAD	1.25
25t TEREX FRANNA CRANE	1.1
NOTE: FOR WHEEL ARRANGEMENT REFER TO DRG S701	

BOLLARDS	
TYPICAL CAPACITY - 80t	
- FROM -15° TO 45° TO HORIZONTAL	
- 180° ARC AROUND SEASIDE OF BERTHING LINE	

- NOTE:
- ALLOWANCE FOR 2 LANES OF TRAFFIC ON THE WHARF. BRAKING LOAD OF 0.45 x M1600 LOAD.
 - TRAFFIC LOADS AND STACKED LOAD MIN 5m CLEAR DISTANCE FROM CRANE OUTRIGGERS CENTRELINE AND SHIPLOADER JACKING LOADS.
 - REFER TO PORT HEDLAND BERTH 3 DECK AND FENDER REPLACEMENT BASIS OF DESIGN REPORT FOR MORE INFORMATION.
 - THIS LOAD RATING PLAN IS FOR NEW CONCRETE SLAB ONLY CONSTRUCTED 2018/2019, **NOT** FOR THE EXISTING CONCRETE SLAB.

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CONSTRUCTION
ISSUE



When sheet printed full size, the scale bar is 1:1 (100mm).
0 50 100mm

REV.	DATE	DESCRIPTION	DRAFT.	ENG.	CHKD.	REVIEWER TO COMPLETE
Ø	20.12.18	ISSUED FOR CONSTRUCTION	LV	JG	BM	
						COMPANY:
						NAME:
						SIGNED:
						DATE:
						THIS DRAWNG HAS BEEN REVIEWED FOR GENERAL COMPLIANCE WITH REQUIREMENTS OF THE CONTRACT AND IS ISSUED FOR STATUS APPROVAL



PILBARA PORTS
AUTHORITY

PPA DOC. REFERENCE NUMBER: A650114



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PORT HEDLAND BERTH 3 DECK & FENDER REPLACEMENT			
LOAD RATING PLAN			
A1	DRAWING NUMBER	Job Number	Sheet No.
Design	Drawn	PER170822	S003
BM	LV		