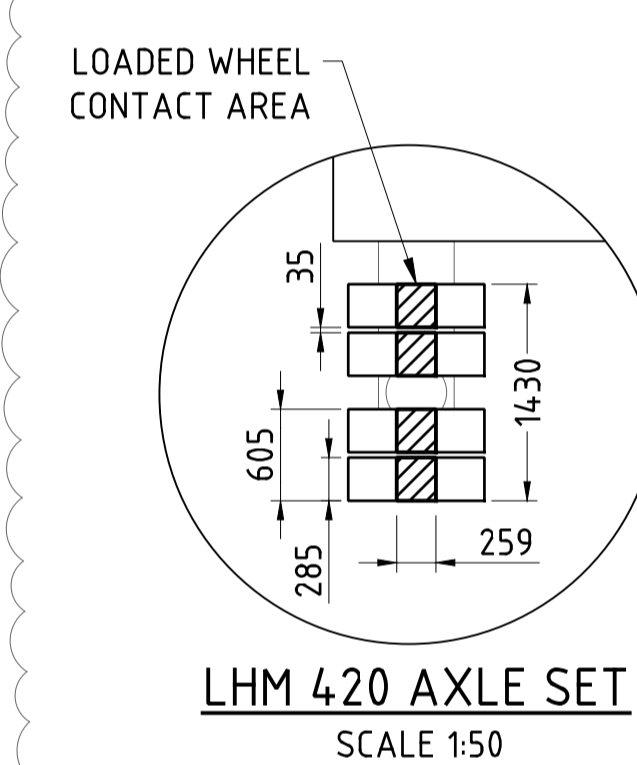
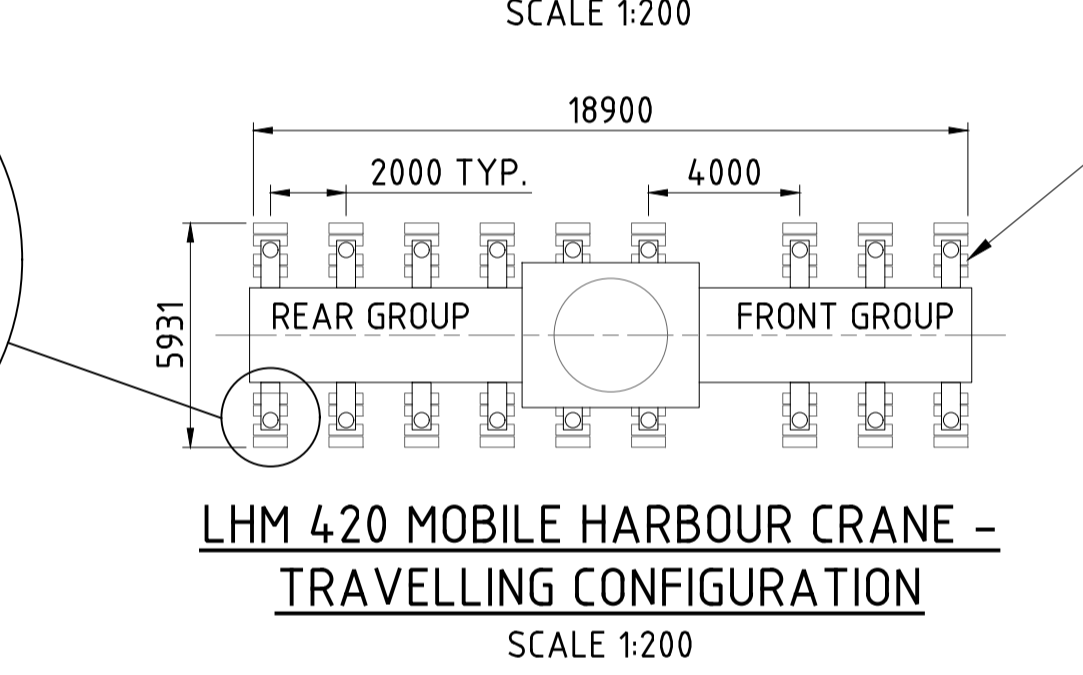
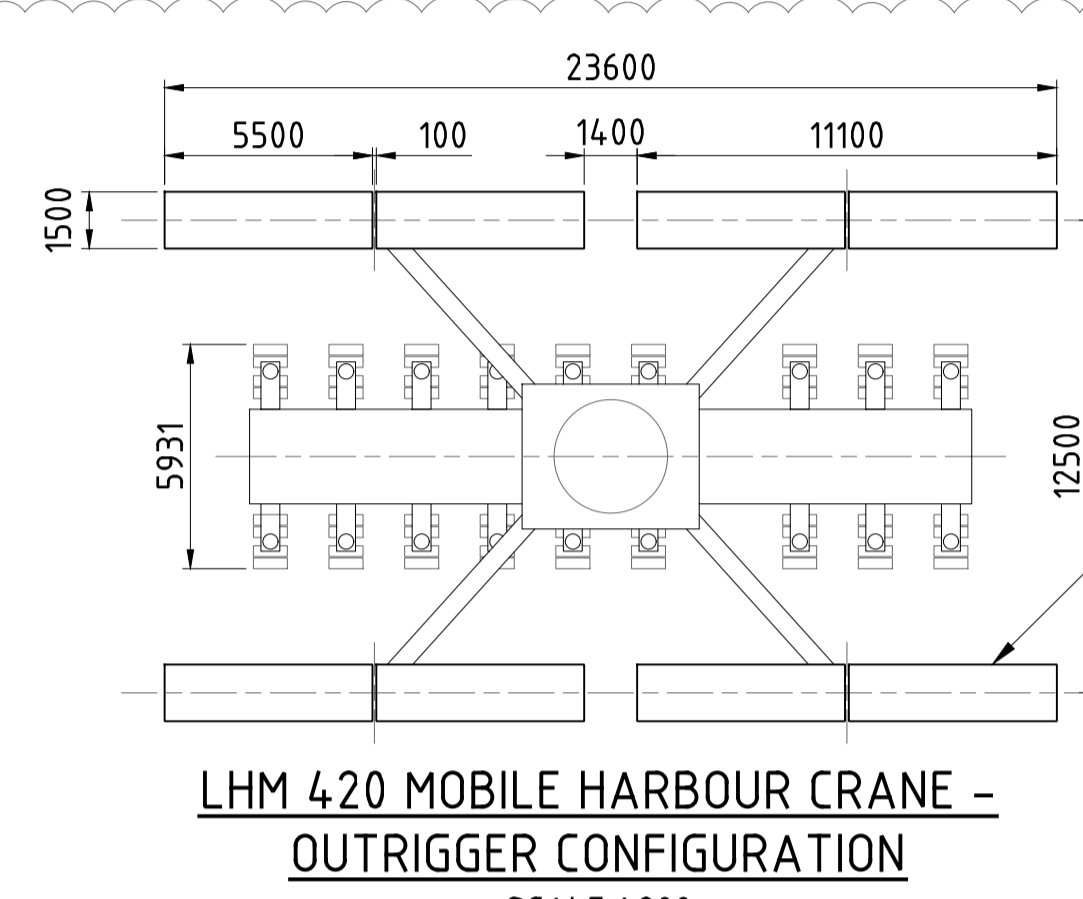
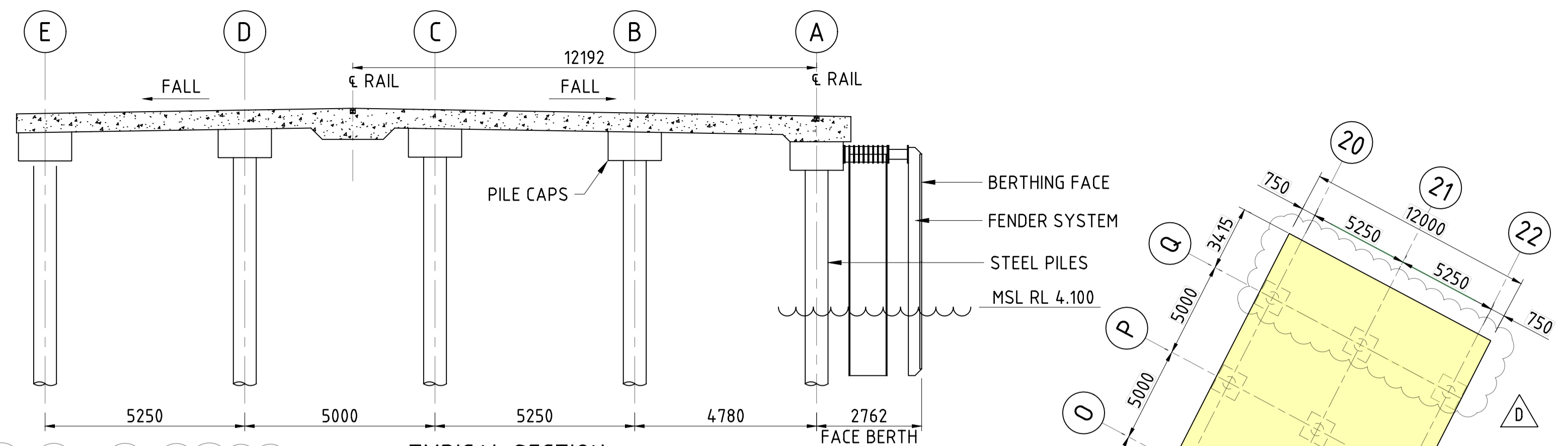


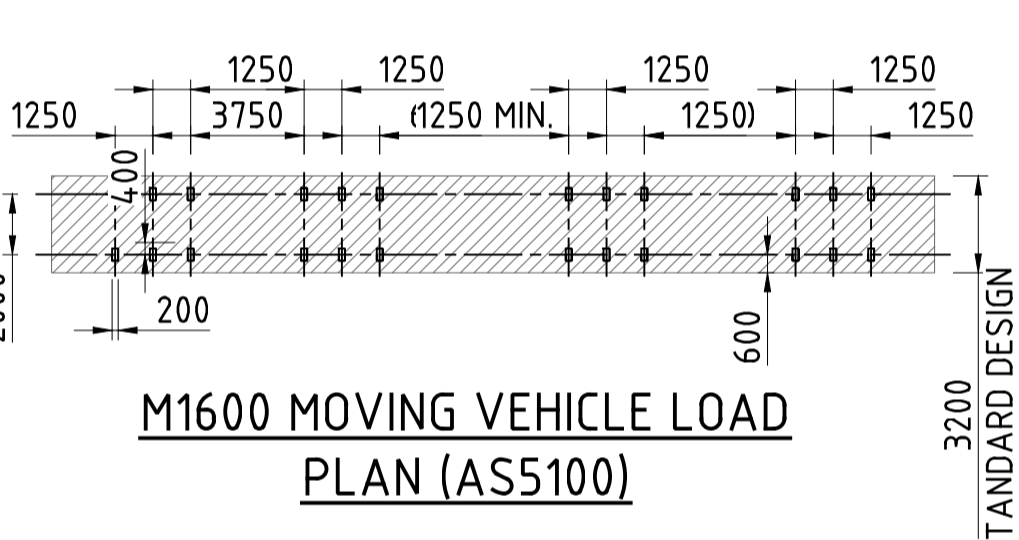
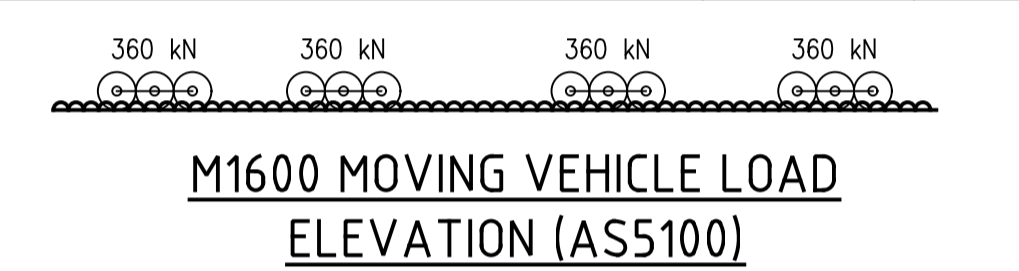
NOTES

- ALL LOADS ASSUME VEHICLES ARE LIMITED TO 10km/h.
- LINE ON DIAGRAM REPRESENT LIMITS OF OUTER EDGE OF OUTRIGGERS. OUTRIGGER LOAD AND UNIFORMLY DISTRIBUTED LOAD ARE NOT CONCURRENT.
- OUTRIGGER LOADS ARE ASSUMED TO ACT ON A 1200mm x 1200mm CONTACT AREA.
- LOAD LIMITS ASSUME NO OTHER CONCURRENT LOADING WITHIN 4m OF EACH OTHER INCLUDING TRUCKS, CRANES, STOCKPILED MATERIALS AND LIKE. CRANE LIFTS SHALL NOT OCCUR DURING BERTHING OF SHIPS. FURTHER ASSESSMENT IS REQUIRED IF CONCURRENT LOADS ARE EXPECTED.
- VEHICLE AXLE LOAD LIMITS SHOWN IN THE TABLE APPLY TO EACH AXLE OF A VEHICLE, REGARDLESS OF AXLE CONFIGURATION.
- VEHICLES WHICH CONFORM TO NATIONAL GENERAL, CONCESSIONAL OR HIGHER MASS LIMITS IN ACCORDANCE WITH THE NATIONAL HEAVY VEHICLE REGULATOR CAN ACCESS ALL WHARF AREAS OUTSIDE THE SHED.
- OUTRIGGER SPREADERS TO CONSIST OF A MINIMUM 2 LAYER OF 100mm THICK TIMBER.
- CRANE OUTRIGGERS WITH 1.2m X 1.2m FOOTPRINT TO BE ON A MINIMUM 7m X 7m SPACING.
- A SPECIFIC ASSESSMENT HAS BEEN COMPLETED FOR THE LHM 420 MOBILE HARBOUR CRANE. IT IS PERMISSIBLE UNDER THE FOLLOWING CONDITIONS:
 - THE OUTRIGGERS SHALL NOT BE PLACED WITHIN 1m OF EDGE OF THE DECK. THE OUTRIGGERS SHALL NOT BE PLACED ON THE APPROACH ROAD.
 - THE WHEELS SHALL NOT BE PLACED WITHIN 1m OF THE EDGE OF THE DECK OR APPROACH ROAD.
 - A 2m OFFSET CLEARANCE IS REQUIRED BETWEEN THE OUTRIGGERS OR WHEELS AND ANY OTHER VEHICLE, GOODS, EQUIPMENT OR STRUCTURE.
 - A 4m OFFSET CLEARANCE IS REQUIRED BETWEEN THE OUTRIGGERS OR WHEELS AND THE OUTRIGGERS OR WHEELS OF A SIMILAR SIZED CRANE.
 - REFER TO THE CONFIGURATION DIAGRAMS FOR MAXIMUM ALLOWABLE LOADS FROM THIS CRANE.

LOAD LIMITS						
AREA	OUTRIGGER LOAD (TONNE) USING 1.2m X 1.2m FOOTPRINT	OUTRIGGER LOAD (TONNE) USING 0.5m X 0.5m FOOTPRINT OR FRANNA CRANE TYRE GROUP	MAX AXLE LOAD (TONNE)	UNIFORMLY DISTRIBUTED LOAD (kg/m ²)	LHM 420 TRAVELLING	LHM 420 OUTRIGGER
1	83	50	12	3500	YES, REFER NOTE 9	YES, REFER NOTE 9
2	55	36			NO LOAD	NO LOAD
3	83	50			NO LOAD	NO LOAD
4	100	100			NO LOAD	NO LOAD
5	45	45			NO LOAD	NO LOAD
6	NO LOAD				NO LOAD	NO LOAD



1. MAXIMUM CRANE CORNER LOAD IS 274.4T SHARED EQUALLY BETWEEN TWIN OUTRIGGER PADS.
 2. LOADS PROVIDED BY CRANE SUPPLIER INCLUDE ALL WIND AND DYNAMIC EFFECTS.
 3. REFER NOTE 9.
1. MAXIMUM AXLE LOAD (CONSISTS OF 4 WHEELS):
 - A. FRONT GROUP = 29.6T
 - B. REAR GROUP = 25.7T
 2. LOADS PROVIDED BY CRANE SUPPLIER INCLUDE ALL WIND AND DYNAMIC EFFECTS.
 3. REFER NOTE 9.

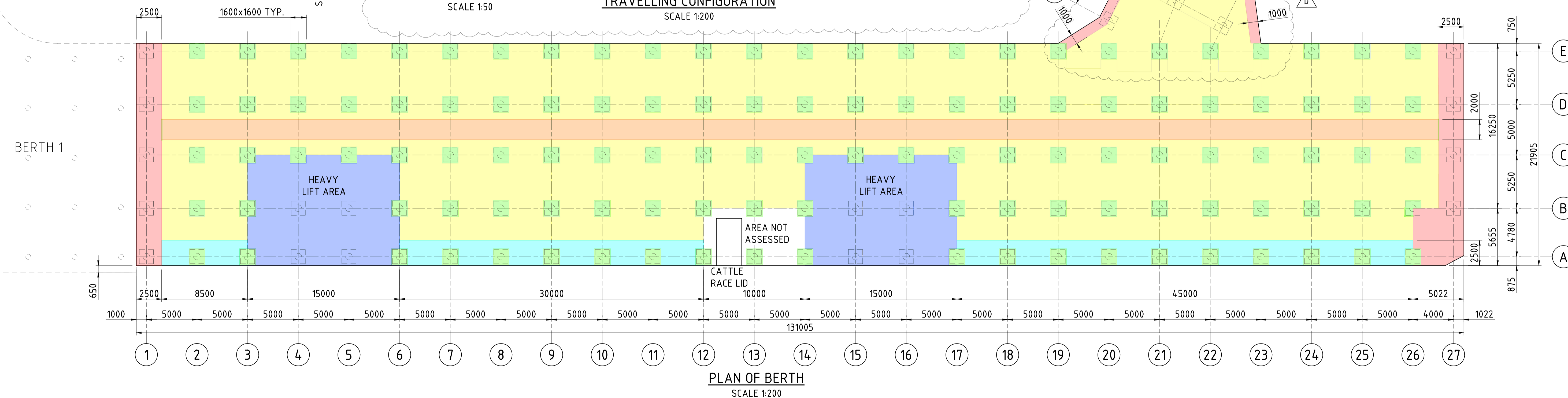


4750
1720

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

REFER TO LOAD LIMIT TABLE USING OUTRIGGER LOAD (0.5m FOOTPRINT) FOR MAXIMUM ALLOWABLE LOAD FOR EACH TYRE GROUP.

TEREX 25T FRANNA CRANE LOAD



NUMBER	REFERENCE DRAWINGS	REV	DATE	REVISIONS	DES	DRN	CHK	APP
D	26.07.24			REVISED WITH LHM 420 CRANE LOADS	E.J.	C.Z.	M.R.F.	M.R.F.
C	15.09.17			REVISED OUTRIGGER LOADS	G.A.	S.L.	G.A.	R.K.F.
B	03.07.17			REVISED OUTRIGGER LOADS	G.A.	J.P.	G.A.	R.K.F.
A	31.03.17			PRELIMINARY	G.A.	S.L.	G.A.	R.K.F.



PROJECT / DRAWING INFORMATION		PILBARA PORTS	
PROJECT NUMBER	PPA61917	BERTH 2	
DESIGNED BY	G.A.	CONCRETE DECK	
DRAWN BY	S.L.	LOADING DIAGRAM	
CHECK BY	G.A.	SCALE	AS SHOWN
APPROVED BY	R.K.F.	A1	DRAWING NUMBER
DATE APPROVED	31.03.17	PPA-17-0016	REV D