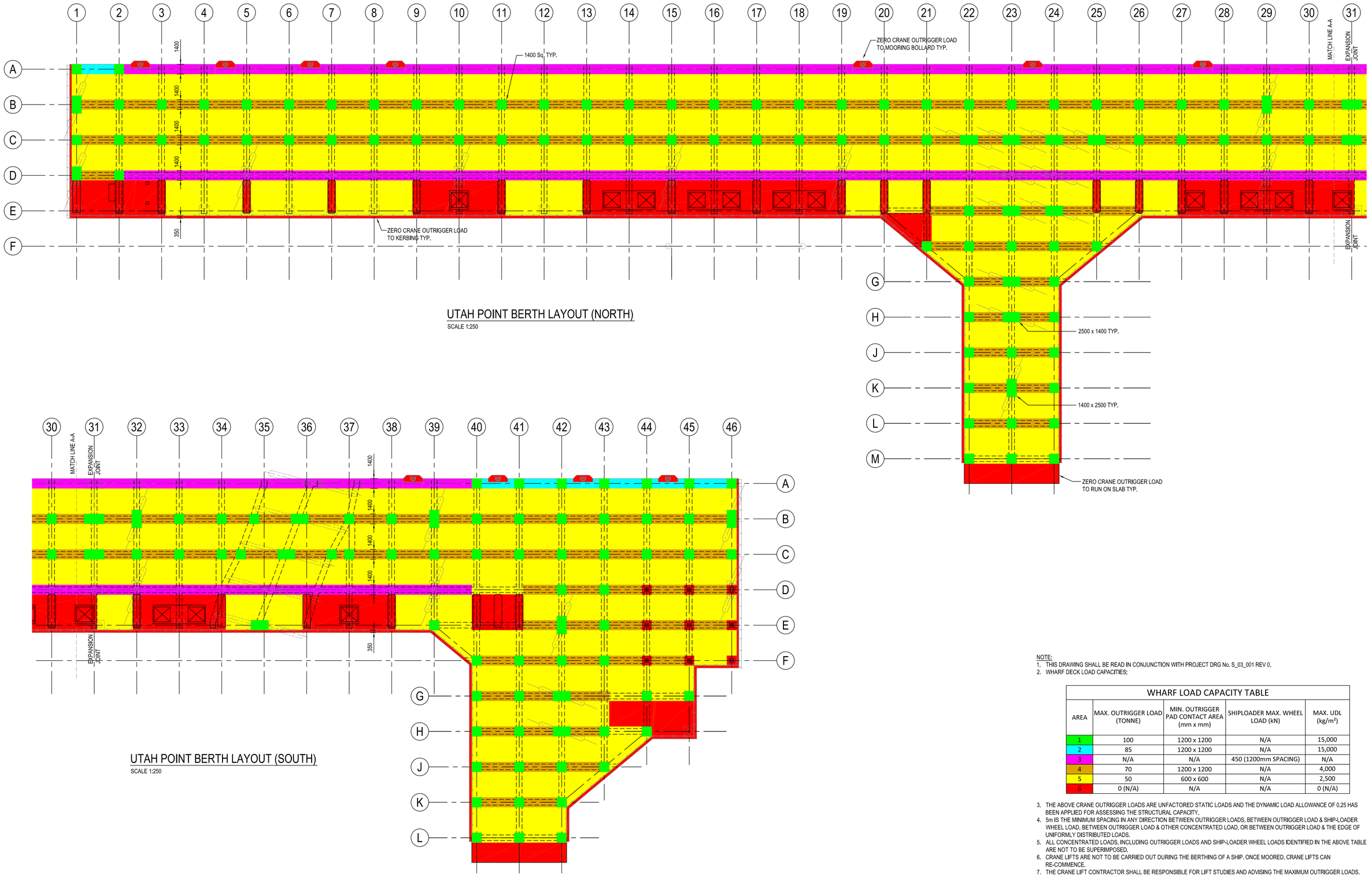


UTAH POINT BERTH LAYOUT (NORTH)

SCALE 1:250

UTAH POINT BERTH LAYOUT (SOUTH)

SCALE 1:250

NOTE:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH PROJECT DRG No. S_03_001 REV 0.
2. WHARF DECK LOAD CAPACITIES;

WHARF LOAD CAPACITY TABLE				
AREA	MAX. OUTRIGGER LOAD (TONNE)	MIN. OUTRIGGER PAD CONTACT AREA (mm x mm)	SHIPLOADER MAX. WHEEL LOAD (kN)	MAX. UDL (kg/m²)
1	100	1200 x 1200	N/A	15,000
2	85	1200 x 1200	N/A	15,000
3	N/A	N/A	450 (1200mm SPACING)	N/A
4	70	1200 x 1200	N/A	4,000
5	50	600 x 600	N/A	2,500
6	0 (N/A)	N/A	N/A	0 (N/A)

3. THE ABOVE CRANE OUTRIGGER LOADS ARE UNFACTORED STATIC LOADS AND THE DYNAMIC LOAD ALLOWANCE OF 0.25 HAS BEEN APPLIED FOR ASSESSING THE STRUCTURAL CAPACITY.
4. 5m IS THE MINIMUM SPACING IN ANY DIRECTION BETWEEN OUTRIGGER LOADS, BETWEEN OUTRIGGER LOAD & SHIP-LOADER WHEEL LOAD, BETWEEN OUTRIGGER LOAD & OTHER CONCENTRATED LOAD, OR BETWEEN OUTRIGGER LOAD & THE EDGE OF UNIFORMLY DISTRIBUTED LOADS.
5. ALL CONCENTRATED LOADS, INCLUDING OUTRIGGER LOADS AND SHIP-LOADER WHEEL LOADS IDENTIFIED IN THE ABOVE TABLE ARE NOT TO BE SUPERIMPOSED.
6. CRANE LIFTS ARE NOT TO BE CARRIED OUT DURING THE BERTHING OF A SHIP. ONCE MOORED, CRANE LIFTS CAN RE-COMMENCE.
7. THE CRANE LIFT CONTRACTOR SHALL BE RESPONSIBLE FOR LIFT STUDIES AND ADVISING THE MAXIMUM OUTRIGGER LOADS.
8. THE ABOVE TABLE HAS BEEN BASED ON THE ASSUMPTION THAT THE WHARF STRUCTURE IS WELL MAINTAINED. THE CRANE LIFT CONTRACTOR SHALL CONSULT **PHPA** REGARDING THE EXISTING WHARF STRUCTURAL CONDITION PRIOR TO PROCEEDING WITH THE WORK USING THIS DRAWING.

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
B	ISSUED FOR USE	PB	15.04.13
A	ISSUED FOR CLIENT REVIEW	PB	12.04.13

COPYRIGHT ©
THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF BCA CONSULTANTS. IT MAY BE ILLEGAL TO RETAIN, COPY OR USE IT WITHOUT THE AUTHORITY OF BCA CONSULTANTS.

DISCLAIMER
THIS DRAWING AND ITS CONTENTS ARE ELECTRONICALLY GENERATED, ARE CONFIDENTIAL AND MAY ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE INTENDED. BCA CONSULTANTS WILL NOT ACCEPT RESPONSIBILITY FOR ANY CONSEQUENCES ARISING FROM THE USE OF THE DRAWING FOR OTHER THAN ITS INTENDED PURPOSE OR WHERE THE DRAWING HAS BEEN ALTERED, AMENDED OR CHANGED EITHER MANUALLY OR ELECTRONICALLY BY ANY THIRD PARTY.

NOTE
THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY ON-SITE OR OFF-SITE WORKS OR FABRICATION. IF IN DOUBT - ASK.

BCA
Suite 59 City West Centre,
West Perth, WA 6005.
PO Box 1139,
West Perth WA 6872.
P: +61 8 9321 6255
F: +61 8 9321 9755
W: www.vdmgroup.com.au

CLIENT
PORT HEDLAND PORT AUTHORITY
PORT HEDLAND PORT AUTHORITY PILBARA PORTS

PROJECT TITLE
UTAH POINT BERTH
PORT HEDLAND, WA

DRAWING TITLE
CRANE LOAD MAP

PROJECT LEADER:	BONING LI
DESIGNER:	BONING LI
DRAFTSPERSON:	PB
SCALE:	AS SHOWN
JOB No.:	BC130061
SIGNATURE:	
DATE:	APRIL '13
SHEET SIZE:	A1
DRAWING No.:	S100
REVISION:	B

HFI-B4-ME-GAD-0008_B