CONTFAM COURSE

PART II

Container numbering

Container Ship Stowage Plans & Numbering System

Bays, Rows & Tiers

bays are the container blocks in the transverse direction,
rows are the lengthwise rows
and tiers are the vertical layers.

Bay Numbering

Since, however, the ship can transport both 20' and 40' containers,

Bays for 20' containers are numbered throughout fore to aft with **odd numbers**, i.e. in this case 01, 03, 05 and so on up to 75.

Bays for 40' containers are numbered throughout with **even numbers**: 02, 04, 06 and so on up to 74.

Bay Numbering

40’ covering both is in Bay 26

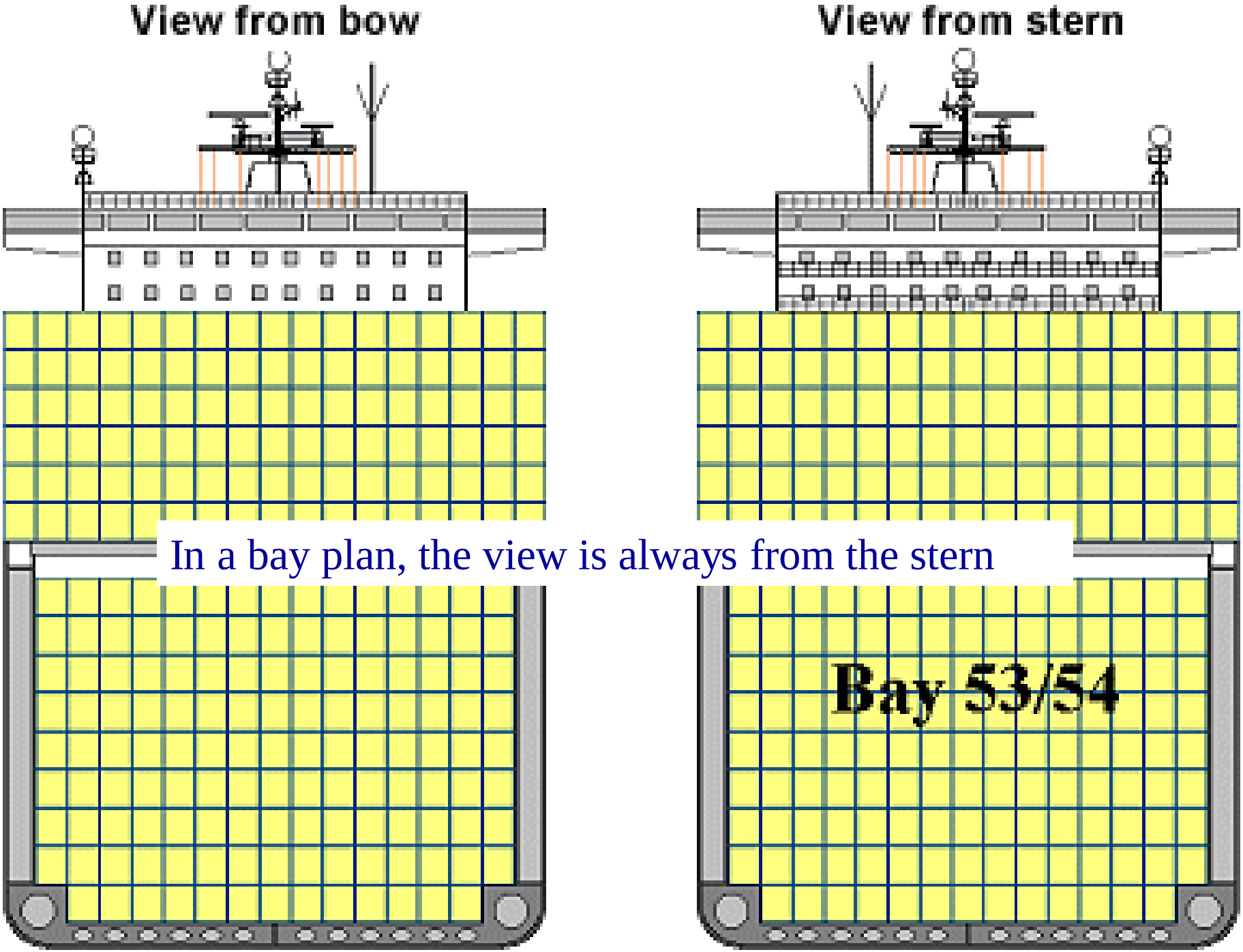
40’ covering both is in Bay 02

20’ is in Bay 27

20’ is in Bay 25

20’ next to it in Bay 03

20’ is in Bay 01

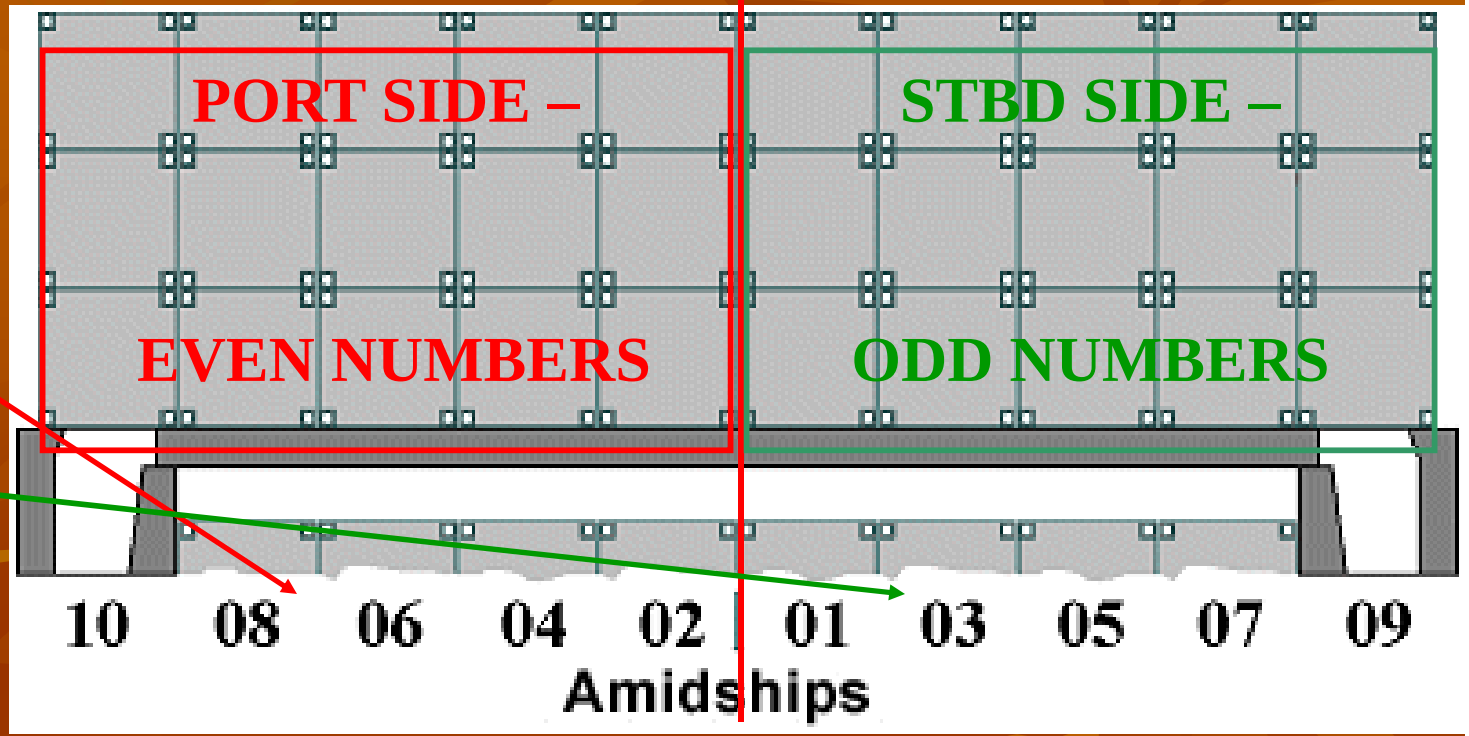

View from bow
View from stern
In a bay plan, the view is always from the stern
Bay 53/54

Now let us discuss – ROW NUMBERING

How Rows are numbered :

From Centre to Port side – even numbers

From Centre to Stbd side – odd numbers



In this example, there are an even number of Rows (8). What happens when there are an odd number of Rows – let's say 9 ?

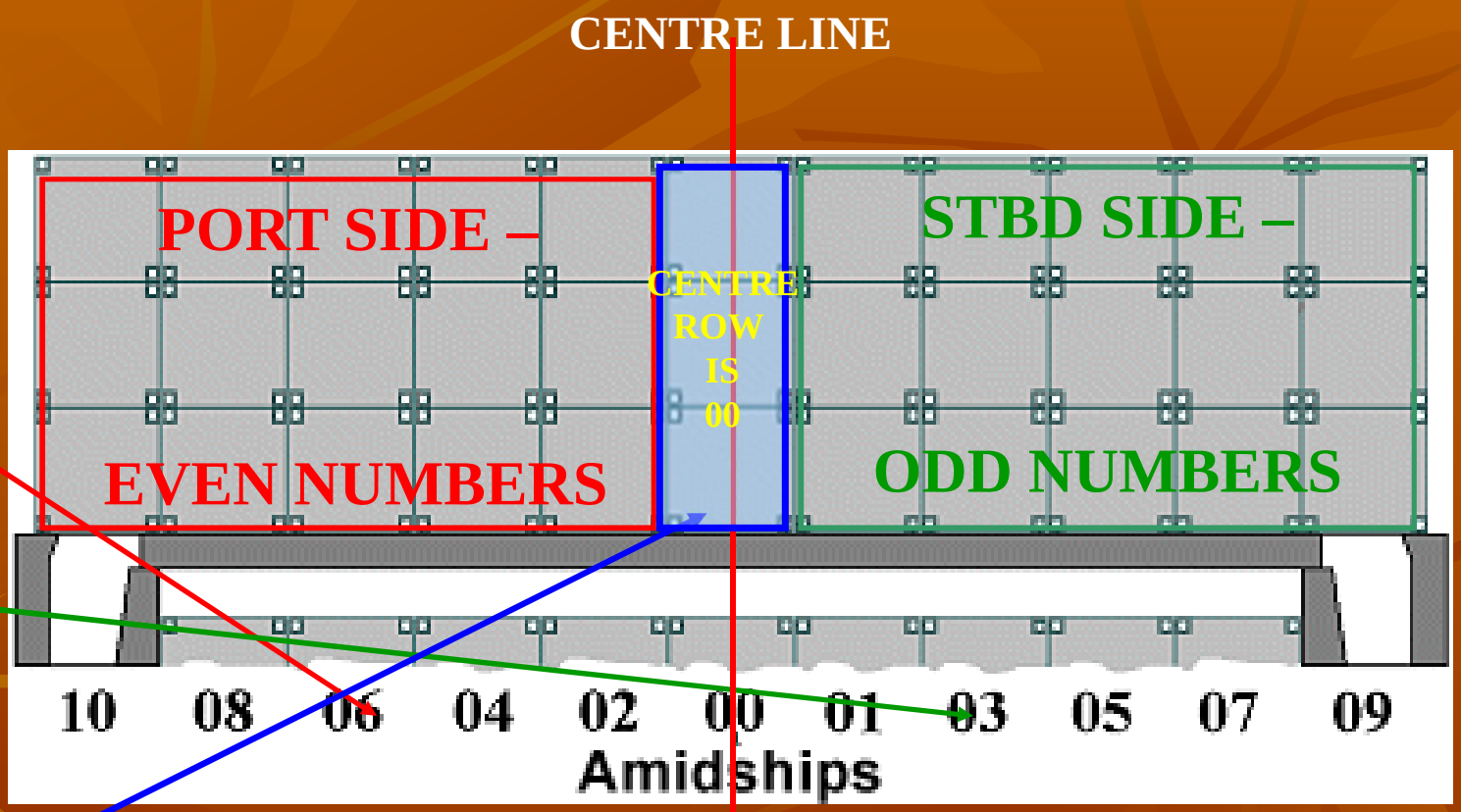
ROW NUMBERING

How Rows are numbered :

From Centre to Port side – even numbers

From Centre to Stbd side – odd numbers

And Centre Row is numbered 00



When there are an odd number of Rows, centre Row is numbered 00

ROW NUMBERING

Actual View of Port side Rows (with numbers stencilled on for easy reference)

Actual View of Stbd side Rows (with numbers stencilled on for easy reference)

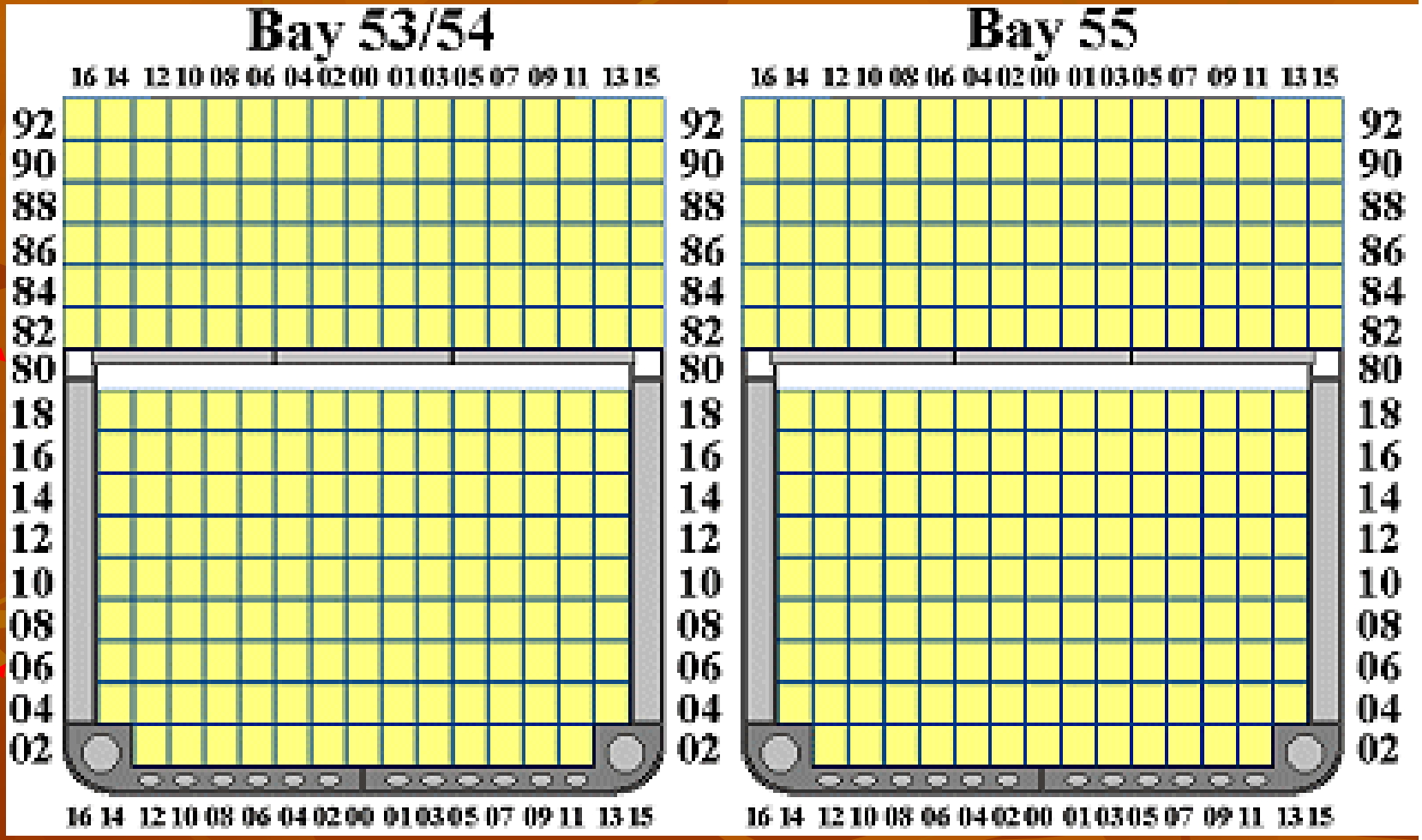
ROW NUMBERING

ROW NUMBERING – PRACTICAL VIEW (As seen from Aft always)

And finally - TIER NUMBERING

Tiers on deck start with 80 and increase by 2 – 80,82,84 etc

Tier numbers start with 02 from the keel and increase by 2 – 02,04,06 etc



TIER NUMBERS ARE ALWAYS EVEN NUMBERS, 02 STARTS FROM THE KEEL (GOING UP), 80 STARTS FROM MAIN DECK (GOING UP)

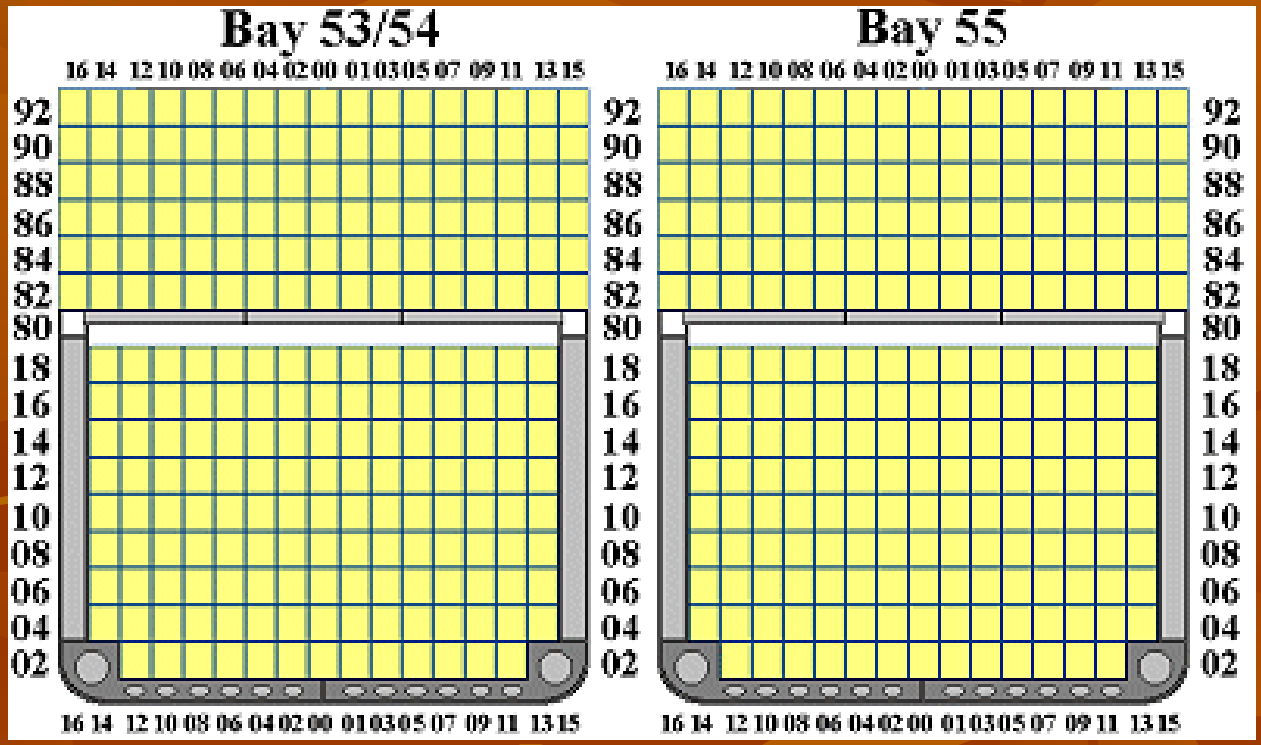
TIER NUMBERING

PRACTICAL VIEW OF TIERS ON DECK

ALL THE NUMBERS

40'BAYS=02,04,06 (even numbers) , **20'BAYS**=01,03,05 (odd numbers)

BAY NUMBERS



TIER NUMBERS

UNDERDECK
(from keel)
=02,04,08,10,12

ON DECK
(from deck up)
=80,82,84,86

All even numbers

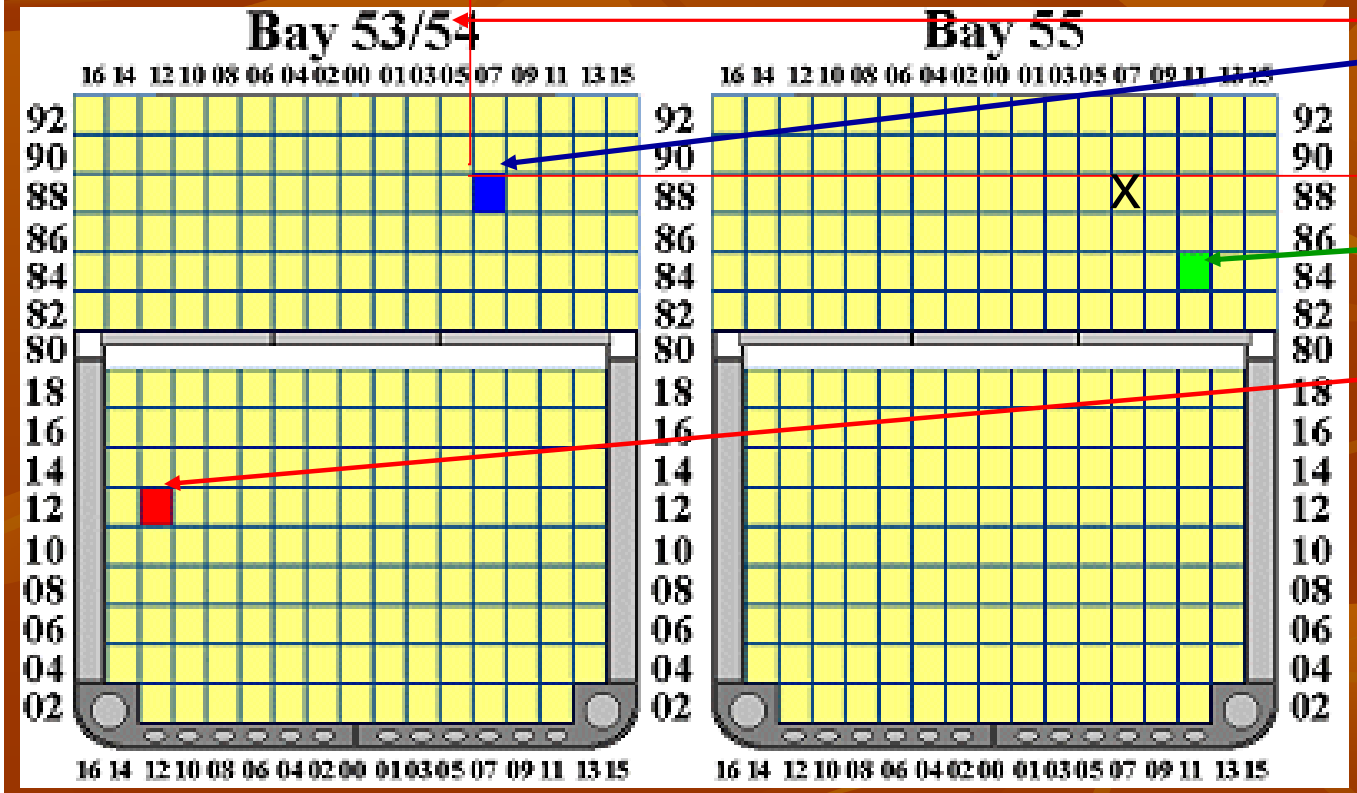
ROW NUMBERS

CENTRE=00 - PORT=02,04,06 (even numbers) – STBD=01,03,05 (odd numbers)

So, how do we identify each slot?

BAY-ROW-TIER:

FIRST – Bay Number, SECOND-Row number, THIRD-Tier number



40’-5 4 0 7 8 8

20’-5 5 1 1 8 4

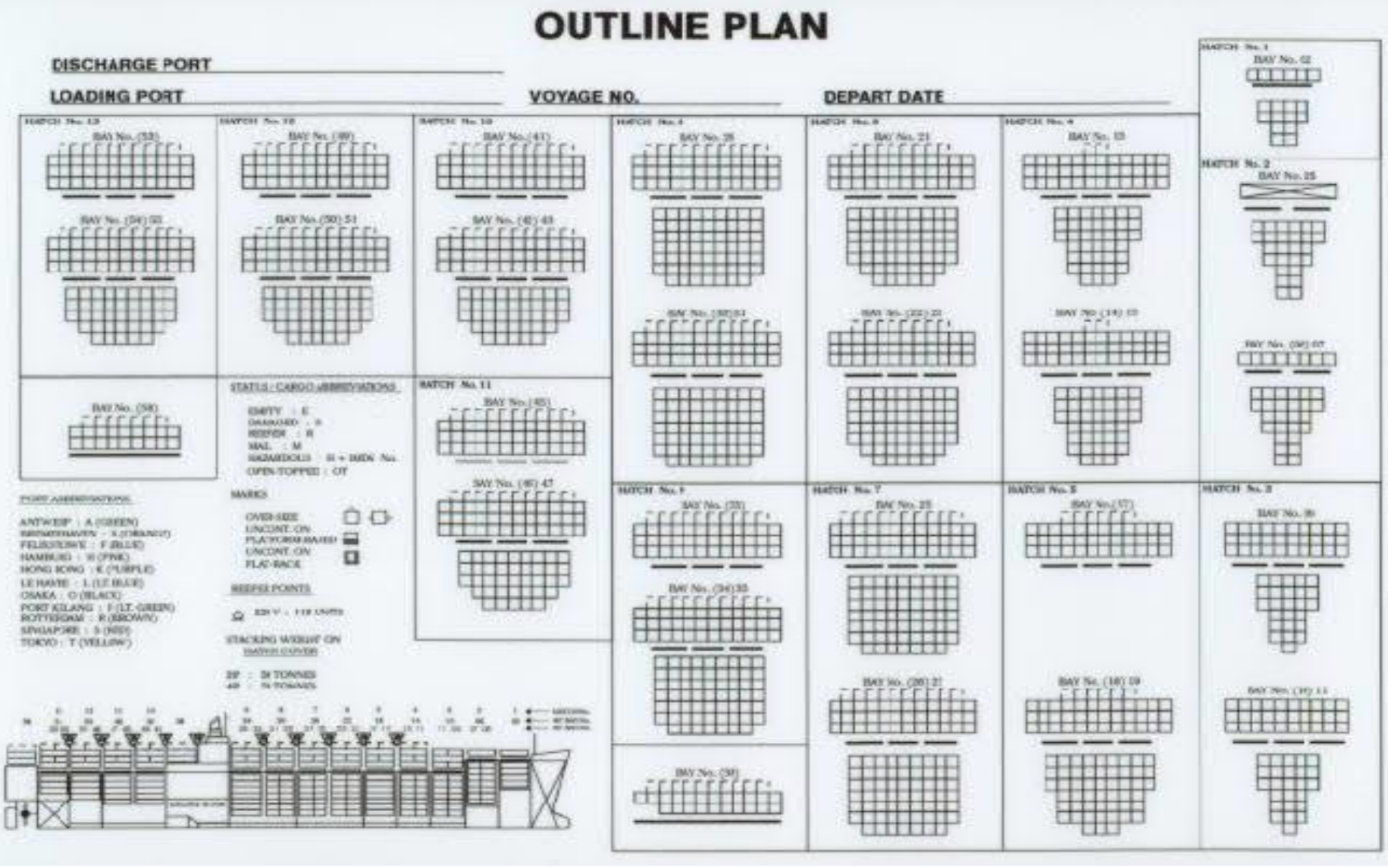
20’-5 3 1 2 1 2

When the Bay Number (the first 2 numbers) are EVEN we know it’s a 40’container, if ODD we know it is a 20’ container

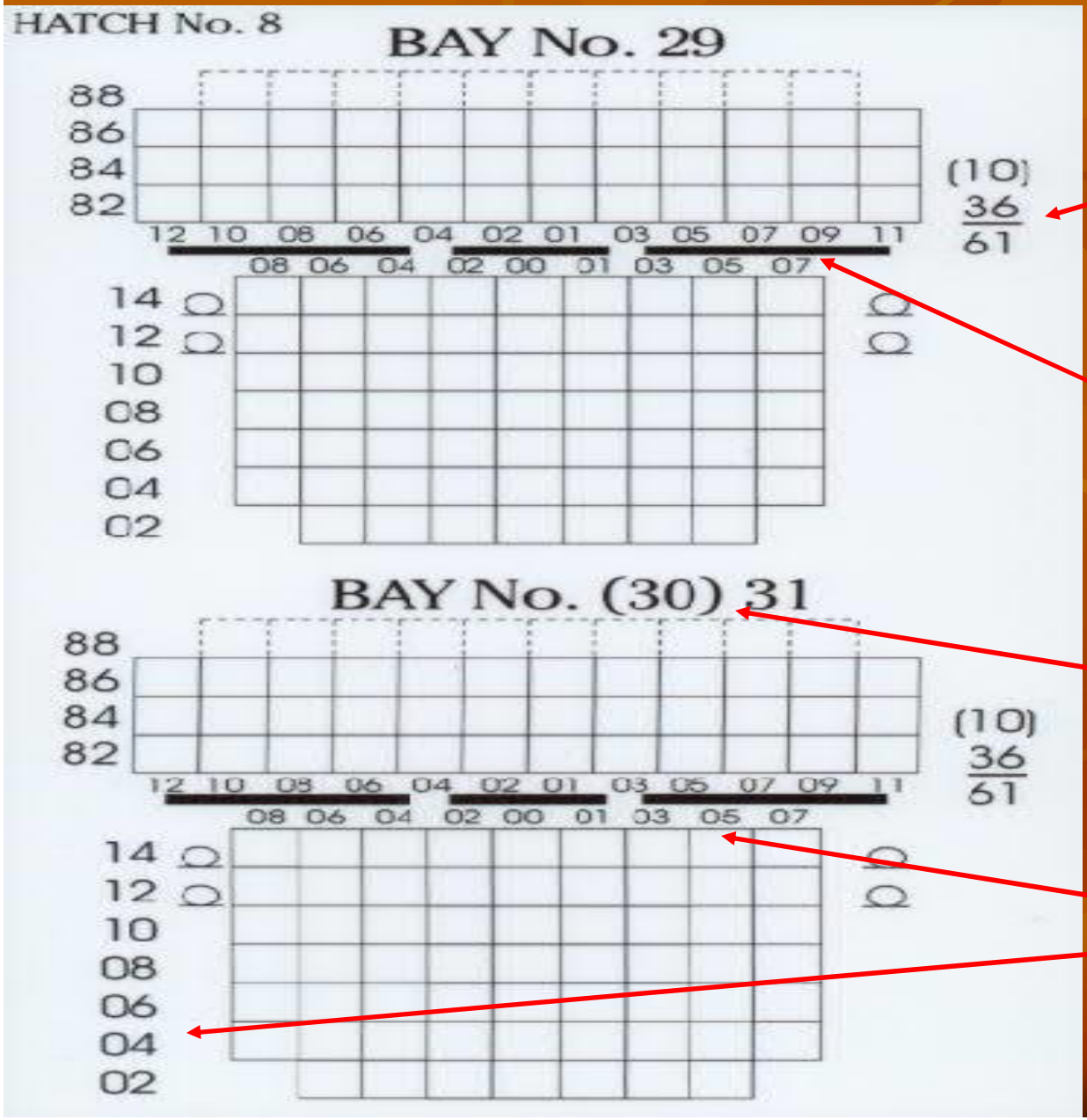
Stowage plans on Container Ships

- 1 Outline Plan
- 2 Individual Bay Plan
- 3 Individual Bay Plan

OUTLINE PLAN – Shows all the Bays



INDIVIDUAL BAY PLAN – Shows each Bay



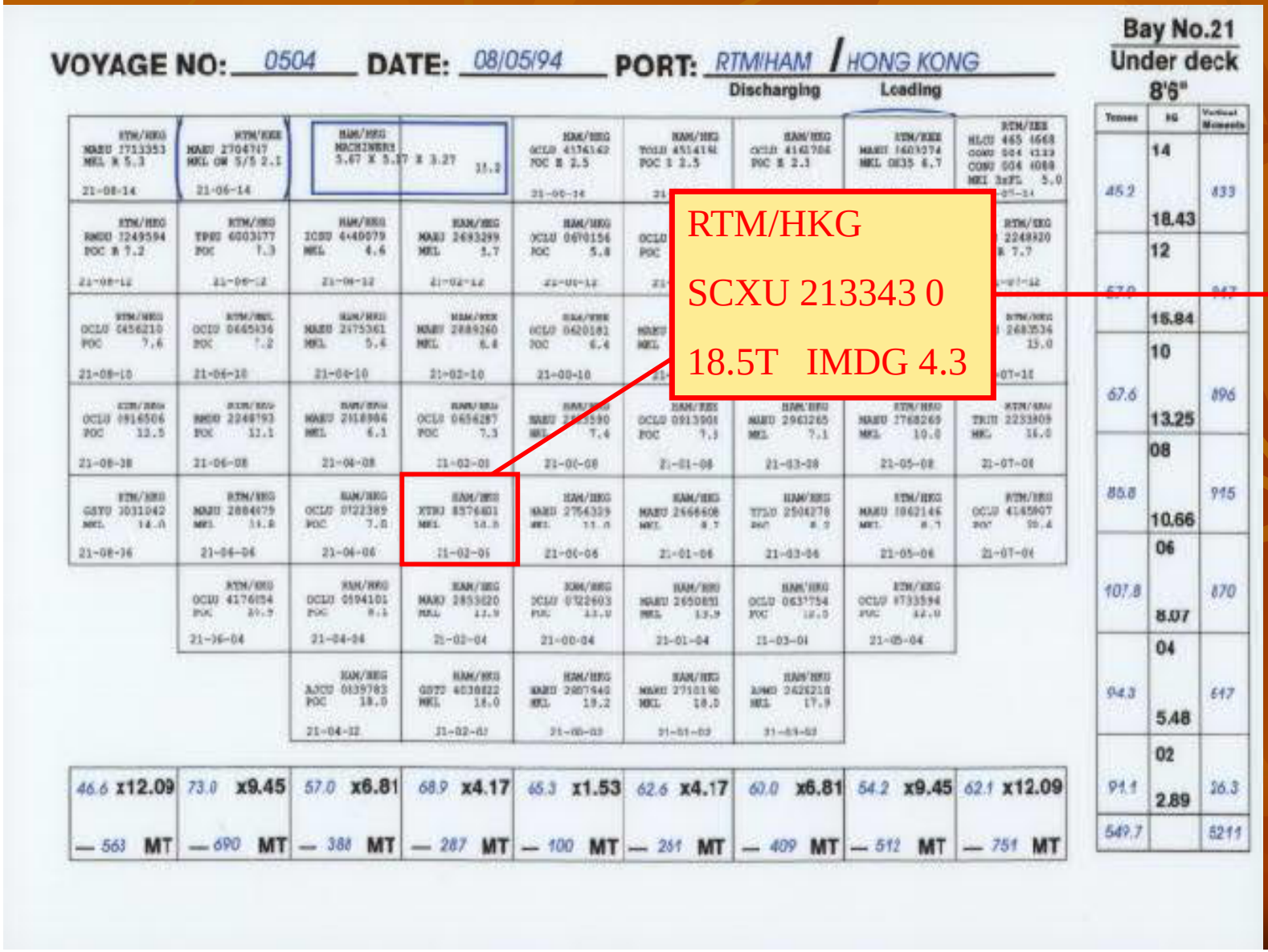
Total no of containers (above deck/below deck)

Shows placement of Pontoons – to know what pontoons must be lifted for which row

40’ Bay in brackets (30) and 20’ Bay is 31

Row & Tier numbers usually marked for easy reference

INDIVIDUAL BAY PLAN - With container details filled in



End of Part II of CONTFAM course

Thank You

For

Your Attention

Now please proceed to Part III of the CONTFAM course