


2	28/09/2019	2,3,4,5	MODIFIED BULKWARK TOP RAIL WITH 150x10 HP AS PER OWNER COMMENT	DIT												
1	12/07/2018	2,4,5	ADDITIONAL BOLLARD AS PER BQ	SAM												
NO	DATE	SHEET	MODIFICATION	BY												
OWNER JASA ARMADA INDONESIA		PROJECT NAME ASD HARBOUR TUG 2x2200 HP		ISSUED DATE 23/10/2018												
CLASS BKI		PROJECT NO ABH18048 HULL NO. TB101/TB102/TB103/TB105		DRAWN BY —												
SHIPYARD PT. CITRA SHIPYARD		DRAWING TITLE BULWARK CONSTRUCTION		DESIGNED BY SAM												
SCALE 1 : 50 ; 1:10				CHECKED BY IMR												
SIZE A1				APPROVED BY TRI												
		DRAWING NO : H - 32 - 011		SHEET 1 OF 5												
				REVISION <table border="1"> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	0	1	2	3	4	5						
0	1	2	3	4	5											
CERTIFICATE NUMBER : QS 2905		DESIGN CONSULTANT :  TERAFULK MEGANTARA DESIGN		THIS DOCUMENT AND THE INFORMATION IT CONTAINS IS COPYRIGHT AND REMAINS THE PROPERTY OF PT TERAFULK MEGANTARA DESIGN IT IS NOT TO BE COPIED IN WHOLE OR IN PART OR DISCLOSED TO ANY THIRD PARTY FOR ANY PURPOSE WHATEVER WITHOUT PRIOR PERMISSION IN WRITING.												

MAIN DECK PLAN

Ø141 OD PIPE
9.5mm THK.
(HALF PIPE)——

—ø141 OD PIPE
9.5mm THK.

—Ø600 ROUND FENDER

CONICAL PIECE TO ENSURE
SMOOTH TRANSITION TO
FENDER END—

—BULWARK GATE
SEE DETAIL "B"

FREEING PORT
SEE DETAIL

— KNUCKLE

—ø141 OD PIPE
9.5mm THK.
(HALF PIPE)

~~75x8FB (TYP)~~

Ø141 OD PIPE
9.5mm THK.
(HALF PIPE)

—150x10 HP TOP RAIL }

150x10 HP TOP RAIL—
SEE DETAIL "A"

—SEE DETAIL "D"

150x10 HP TOP RAIL-

SEE DETAIL "C"

ø141 OD PIPE
9.5mm THK.
(HALF PIPE)_____

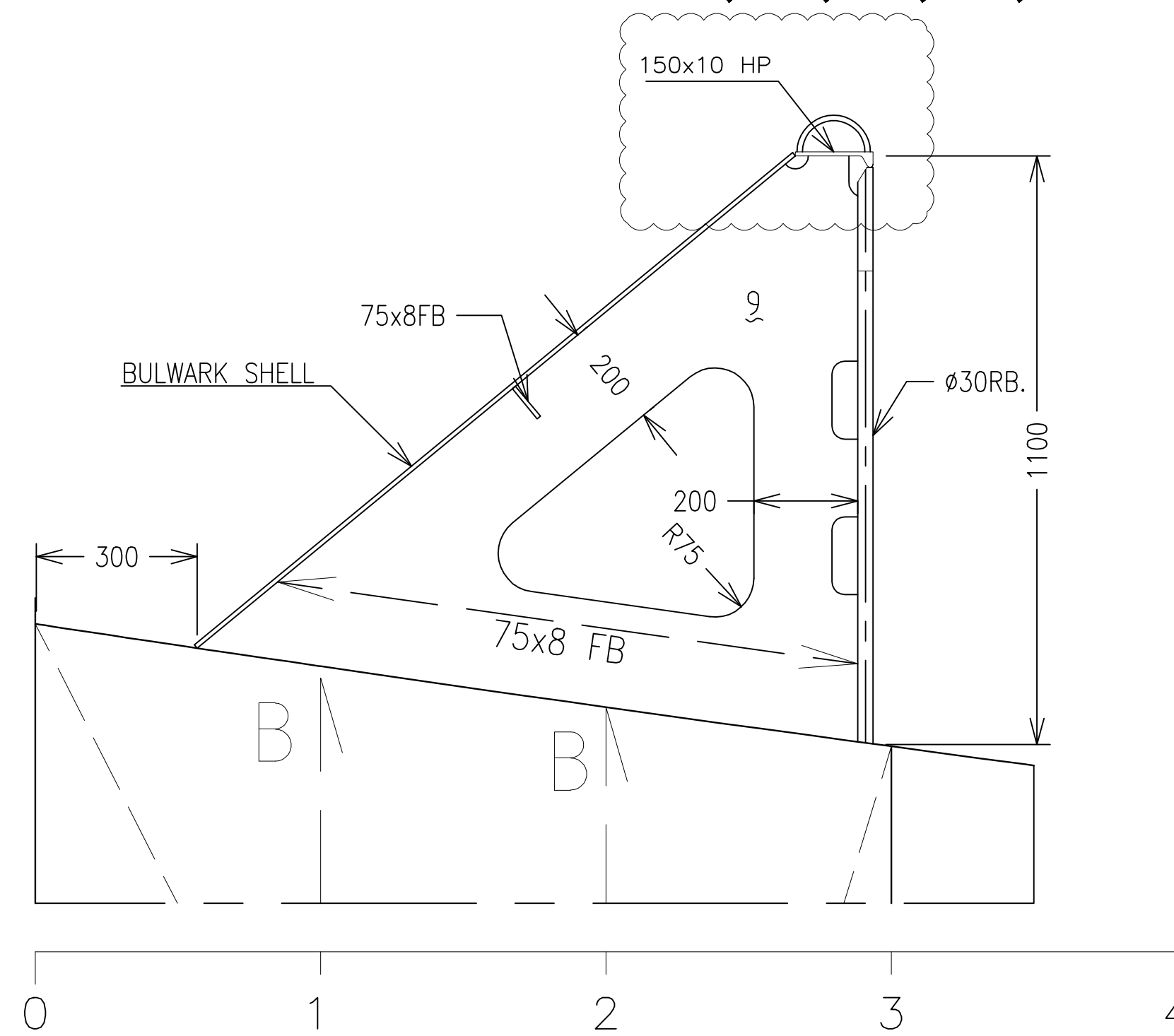
370x13 HP TOP RAIL
VARIOUS WIDTH

EQUAL SPACING PROVIDE
INTERCOSTAL FLAT BAR
ON THE DECK UNDER

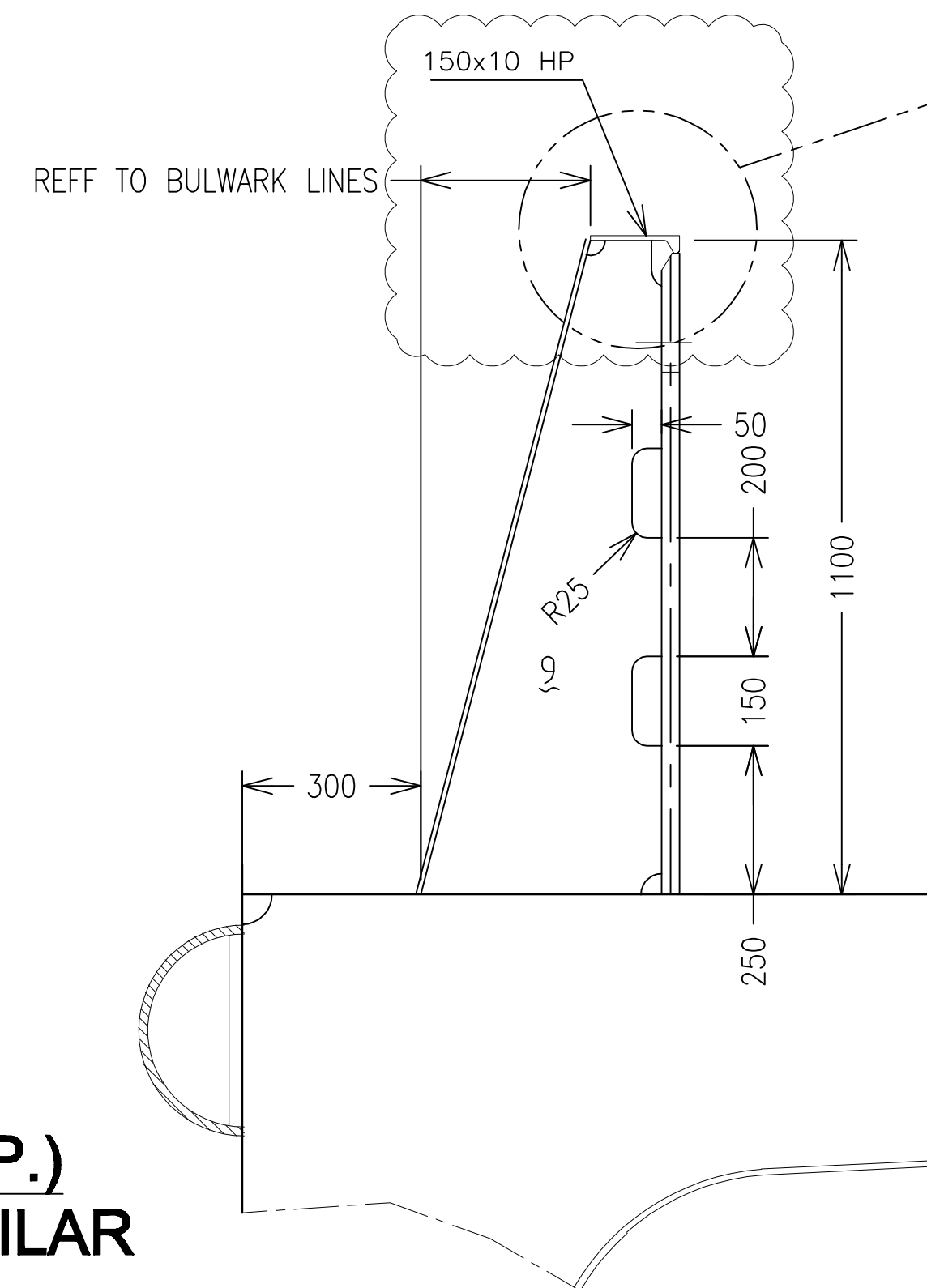
ALIGN STAYS WITH
DECK FRAMES BELOW

DWG. TITLE										
BULWARK CONSTRUCTION										
PROJECT NO. ABH18048		DWG NO. H-32-011		SCALE 1:50		REVISION			SHEET	
						0002345			2 OF 5	

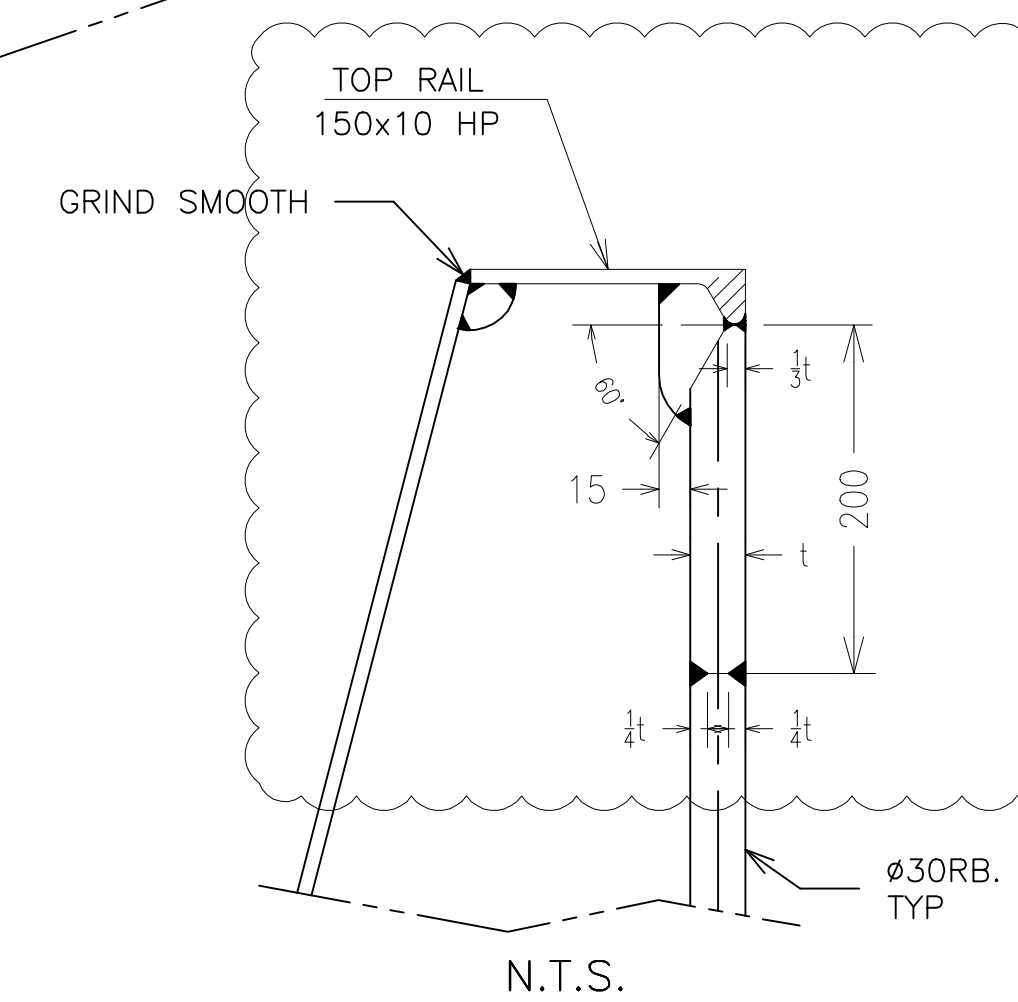
STAY AT S1 STAYS S2, S3, S4, S5, S6 AND S7 SIMILAR



STAY AT FRAME 30 TYP STAYS FR.19 TO FR.37 SIMILAR

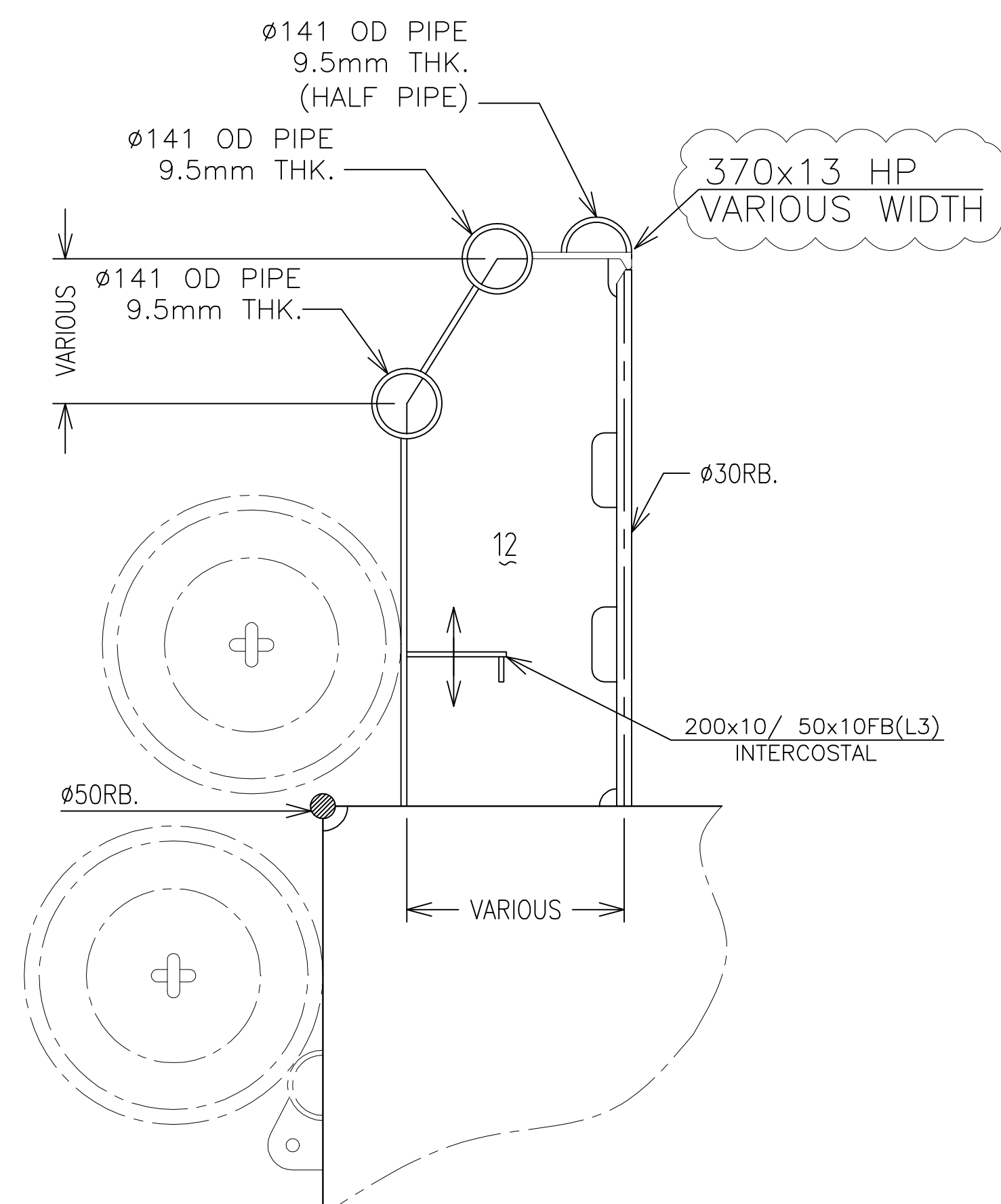
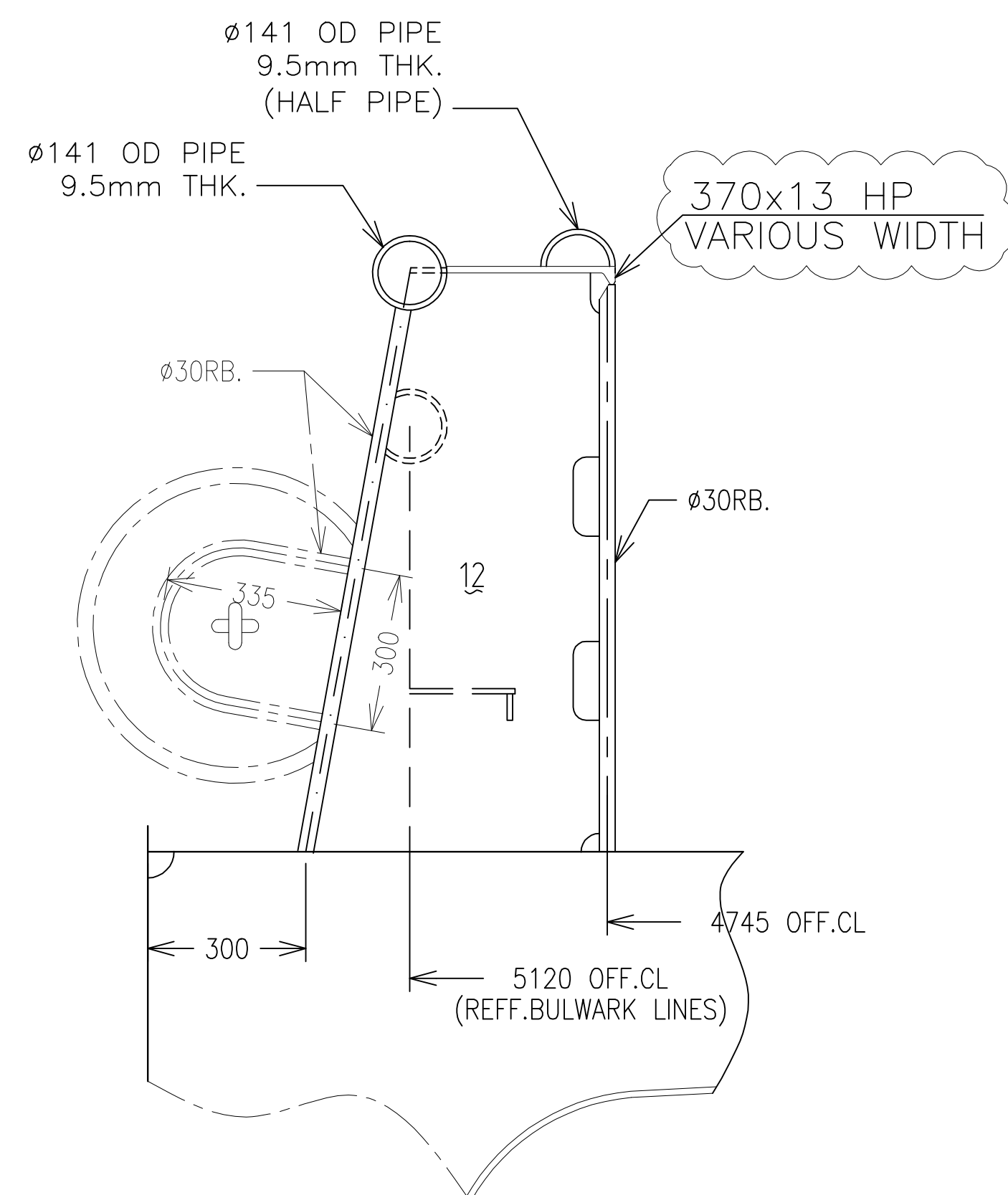


DETAIL

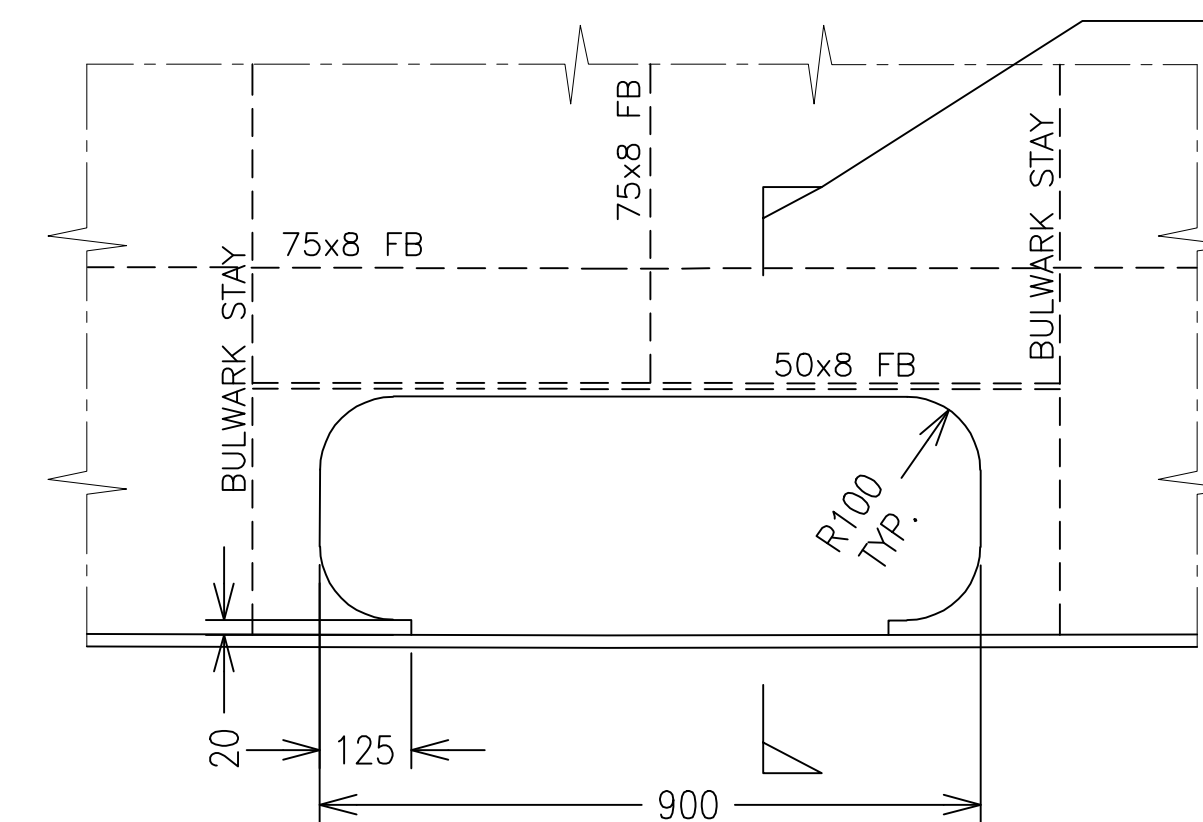


STAY AT FRAME 47 (TYP.) STAYS FR.44 TO FR.50 SIMILAR

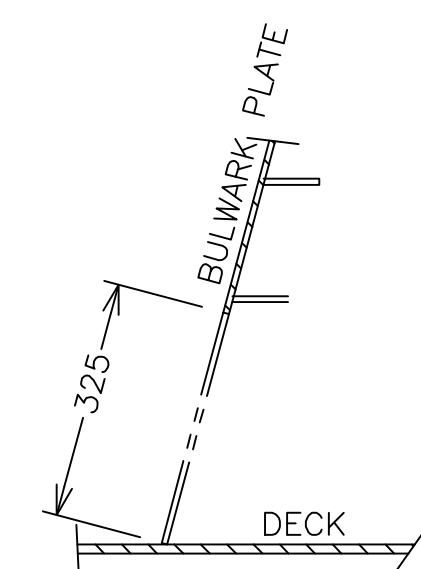
STAY AT FRAME 43



TYP. FREEING PORT DETAIL



SECT.



DWG. TITLE				
BULWARK CONSTRUCTION				
PROJECT NO. ABH18048	DWG NO. H-32-011	SCALE 1:10	REVISION 01 2 3 4 5	SHEET 3 OF 5

DWG. TITLE										
BULWARK CONSTRUCTION										
PROJECT NO. ABH18048		DWG NO. H-32-011		SCALE 1:10		REVISION			SHEET	
						① ② ③ ④ ⑤			4 OF 5	

A



C



E



G



10

ABH18048	11-32-V11	1:10	0	1	2	3	4	5	6
13	14	15	16						