

SPo 122x36.5x8 meters- 400x120x26.5 feet  
Principal dimensions;  
length 400 feet  
breadth moulded 120 feet  
depth 26.5 feet

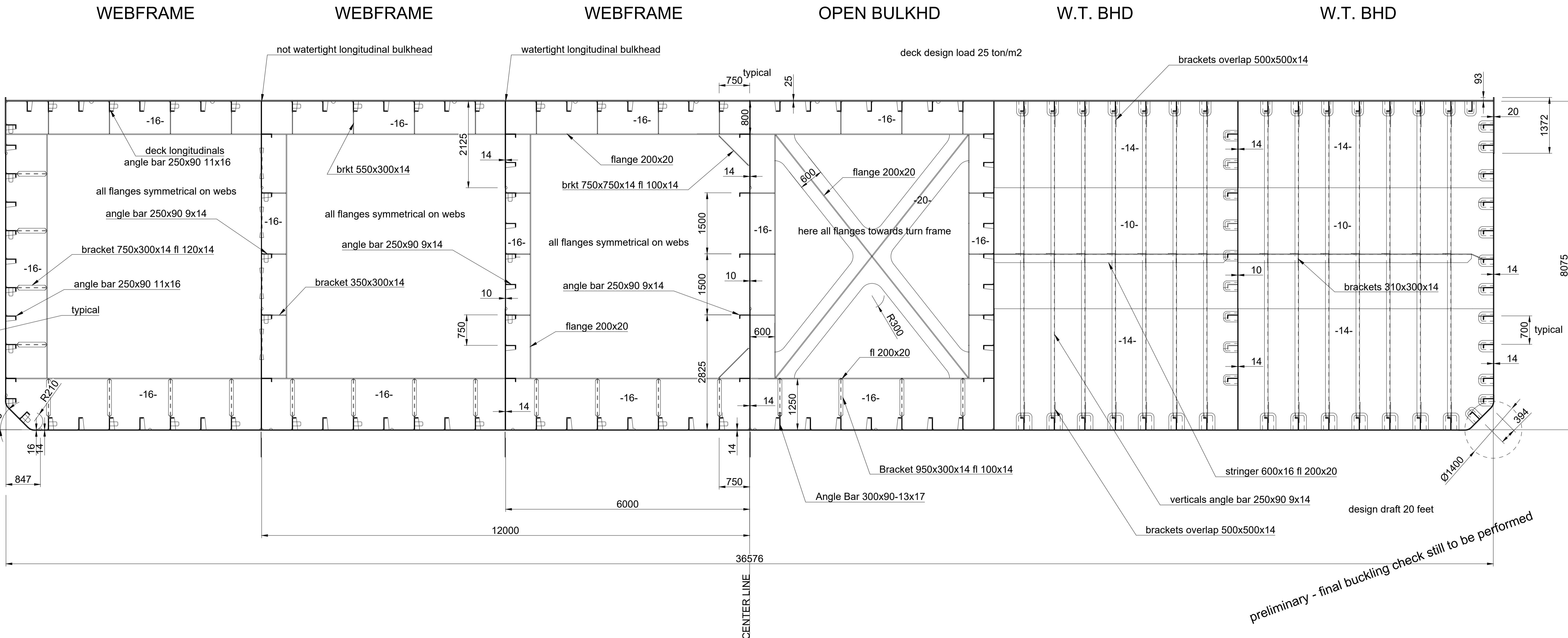
5 internal longitudinal bulkheads  
Designed acc ABS Building and classing barges 202

Mass total by preliminary calculation 3835 ton  
Principle thicknesses and profiles as used on this drawing  
See GA for principal layout, location of bulkheads

# MAIN FRAME PRINCIPLE - ALL VARIATIONS OF FRAMES DRAWN

# DRAWN

preliminary - final buckling check still to be performed



# PRINCIPLES;

- materials grade A or equivalent or better
  - welding acc ABS P3 Ch2 Sect 12 building and classing steel barges 2023
  - all plates pre primed
  - all plates and parts traceable, cert. 3.2
  - all plates out of 12x3 mtr - cut clean to 11975mm x 2975mm
  - after welding, sweep and apply local coating
  - after final assembly, apply coating acc. Damen std. protocol

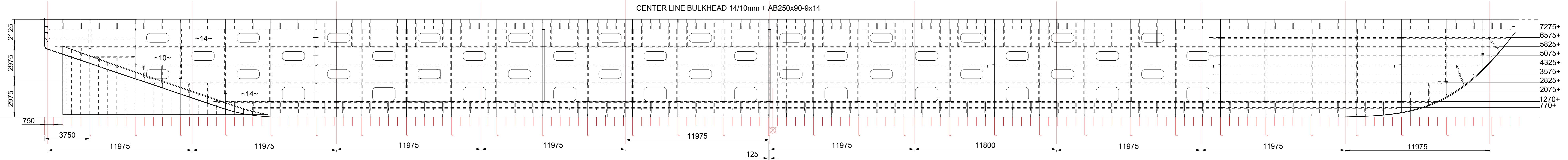
# PRINCIPLES;

- thickness plating outside direction
  - secondary framing inside direction
  - turn frame at fr 80 +250mm
  - 10 sections 11975mm long
  - penetrations acc. Damen std.
  - structural welds intermittent fillet
  - watertight welds full pen - continuous
  - longitudinal framing 750mm
  - web framing long. 3750mm

Rev	Date	Drawn	Checked	Revision text
Projection		 <b>DAMEN</b> DAMEN SHIPYARDS GORINCHEM		
Format		A1		
Scale		1:50		
Units		mm		
Industrieterrein Avelingen West 20 4202 MS Gorinchem      P.O. Box 1 4200 AA Gorinchem      phone +31 (0) 183 63 99 11 The Netherlands      fax +31 (0) 183 63 21 89      info@damen.com www.damen.com				
<b>MAIN FRAME CONSTRUCTION</b>				
Doc class		Drawn	BS	Derived from
Project No.		278724	Function 110	Sequence
Yard No.		Section/Compartment		Document number
HR		COPYRIGHT DAMEN SHIPYARDS GROUP		Sheet 1 Revision 0

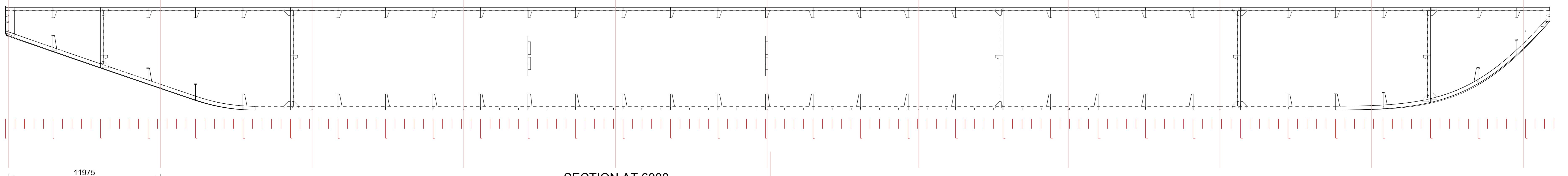
## SECTION AT CENTER LINE

FOR DIMENSIONS SEE MAIN FRAME DRAWING



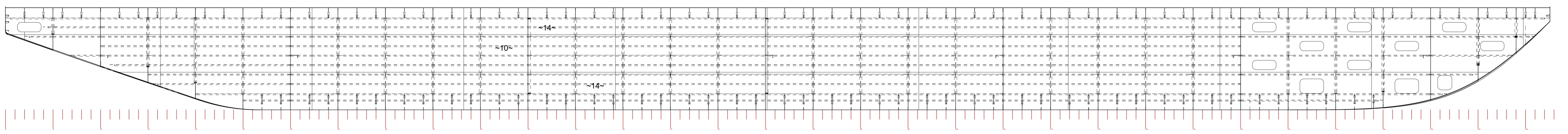
## SECTION AT 750-525

NORMAL LONGITUDINAL SECTION - BRACKETS SHOWN EVERY 2nd FRAME



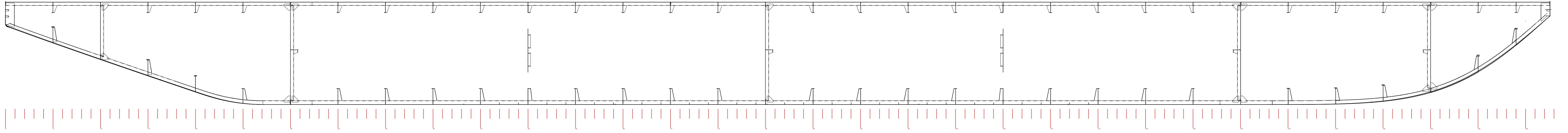
## SECTION AT 6000

LONGITUDINAL BULKHEAD 14/10mm + AB250x90-9x14



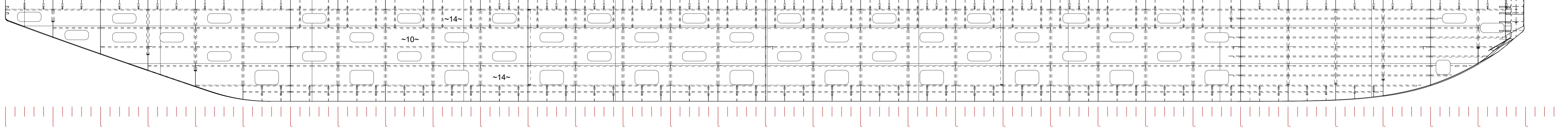
SECTION AT 6750-11250

NORMAL LONGITUDINAL SECTION - BRACKETS SHOWN EVERY 2nd FRAME



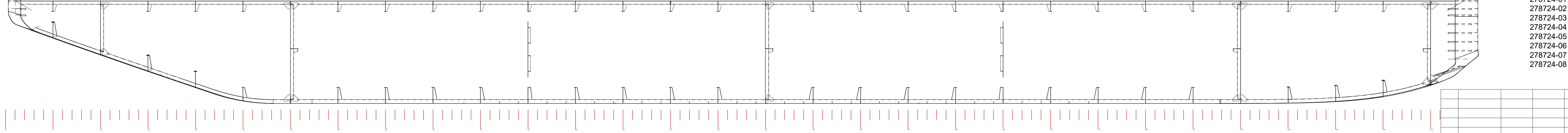
# SECTION AT 12000

LONGITUDINAL BULKHEAD 14/10mm + AB250x90-9x14



Section at 12750-1725

NORMAL LONGITUDINAL SECTION - BRACKETS SHOWN EVERY 2nd FRAME



## **CONSTRUCTION PLAN DRAWINGS;**

- 278724-01 MAIN FRAME  
278724-02 LONGITUDINAL SECTIONS  
278724-03 TRANSVERSE SECTIONS  
278724-04 BOTTOM SHELL  
278724-05 SIDE SHELL  
278724-06 DECK STRUCTURE  
278724-07 SKEG STRUCTURE  
278724-08 WELDING PLAN

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