



## Oil Majors' Structural Requirements for Newbuild Tankers and Trading Vessels

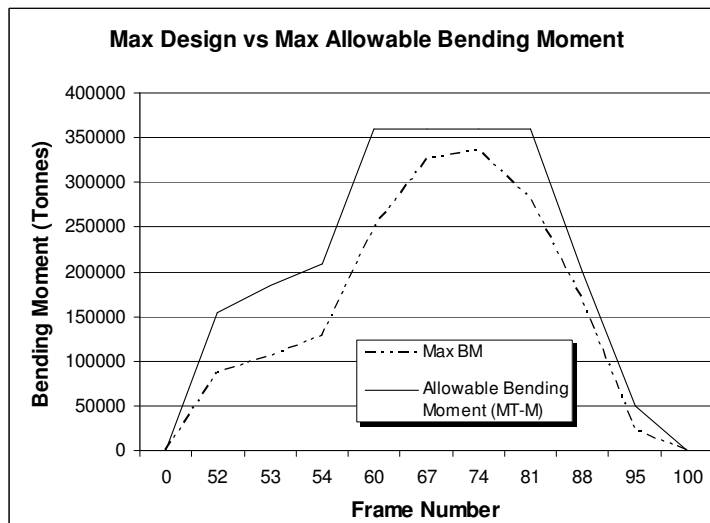
**James Collett – Naval Architect  
BP Shipping**

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## Newbuilds – Global Strength



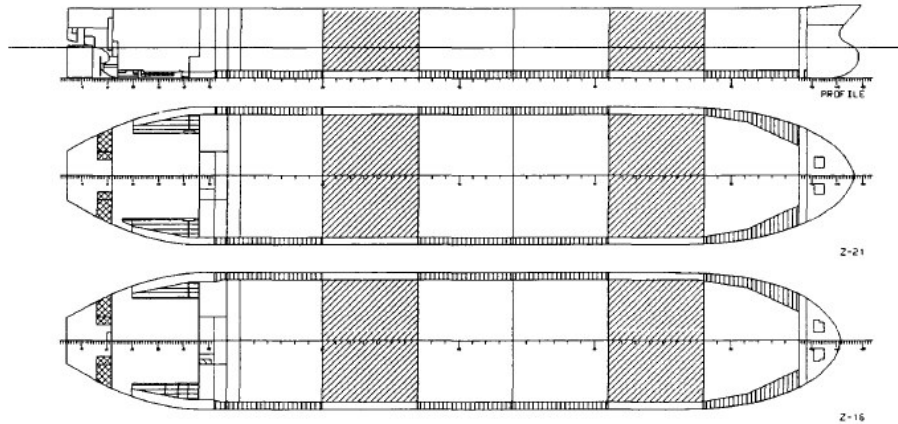
- 10% margin above max design condition



# Newbuilds – Global Strength



- 10% margin above max design condition
- Additional loading conditions



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# Newbuilds – Global Strength



- 10% margin above max design condition
- Additional loading conditions
- Enhanced Fatigue Life

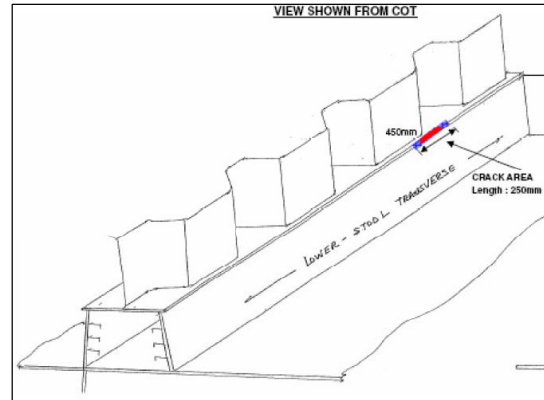
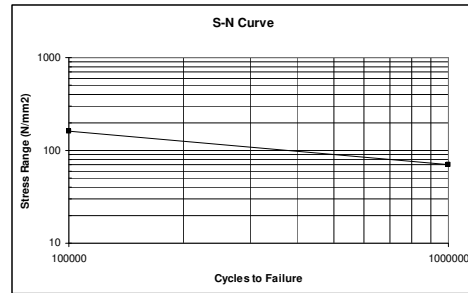


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# Newbuilds – Global Strength



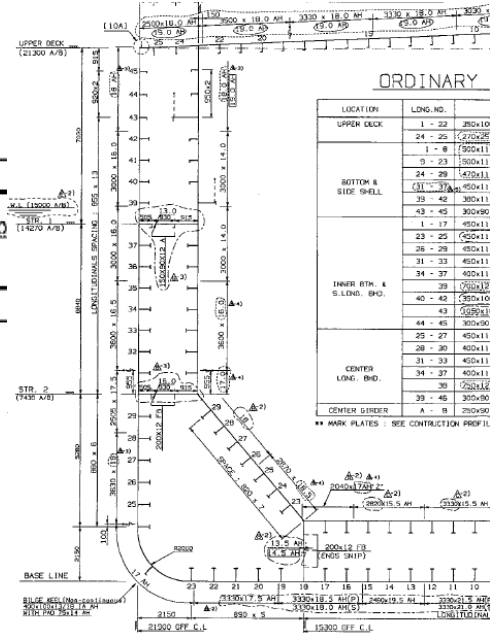
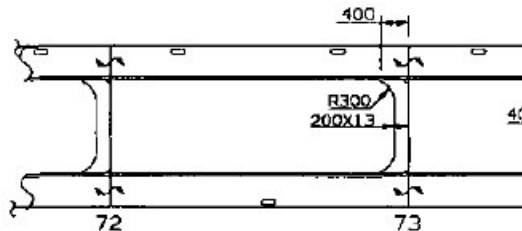
- 10% margin above max design condition
- Additional loading conditions
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# Newbuilds – Design Details & Materials



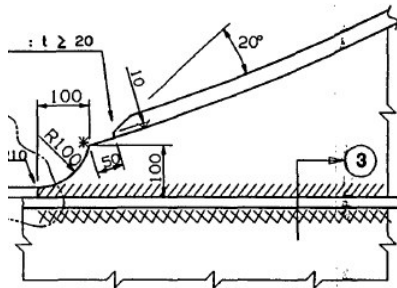
- Symmetrical Sections and soft nosed pillar stiffeners



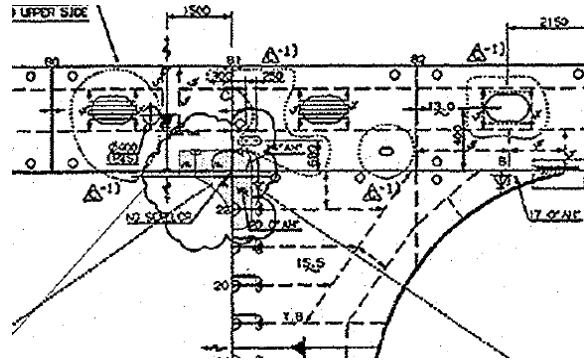
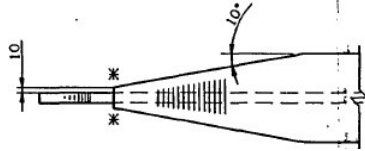
# Newbuilds – Design Details & Materials



- Bracket Design



FACE PLATE TAPERING DETAIL

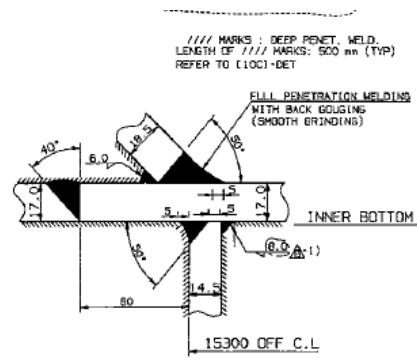
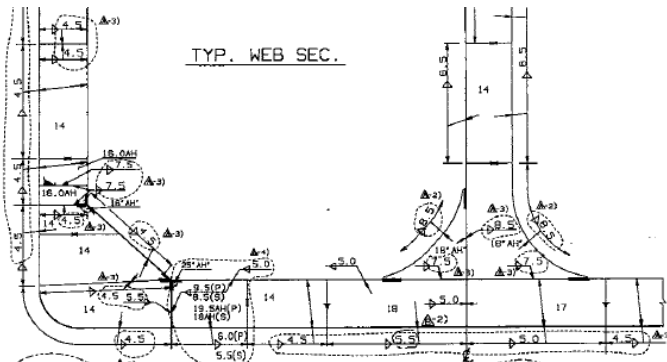


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# Newbuilds - Construction



- Full penetration welding



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## Newbuilds - Construction



- Full penetration welding
- NDT requirements



## Newbuilds - Construction



- Full penetration welding
- NDT requirements
- Corrosion prevention

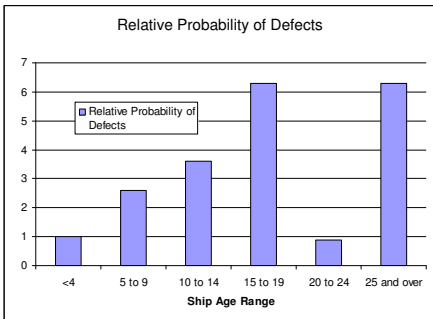
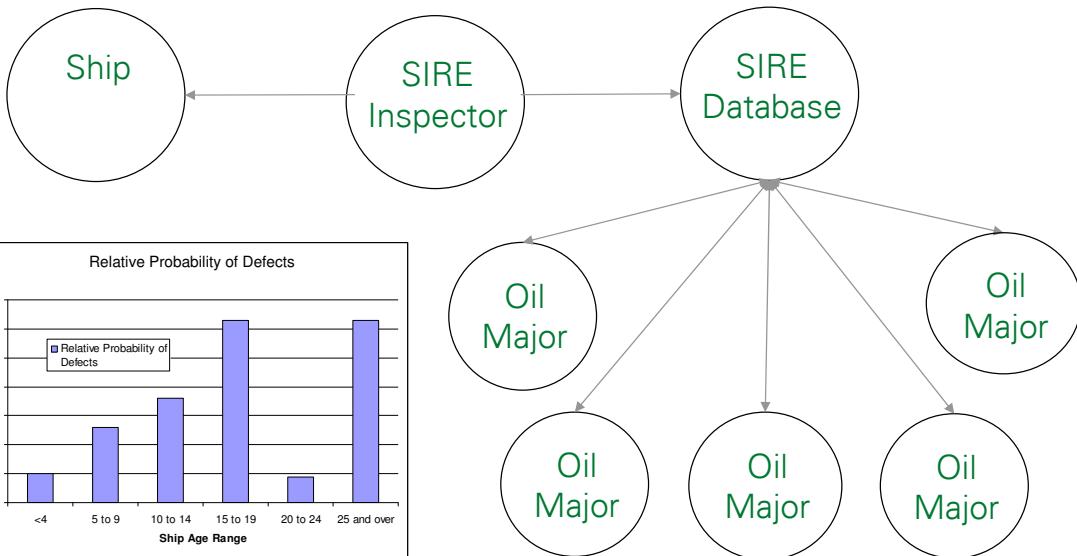


# Vetting of Third Party Tonnage



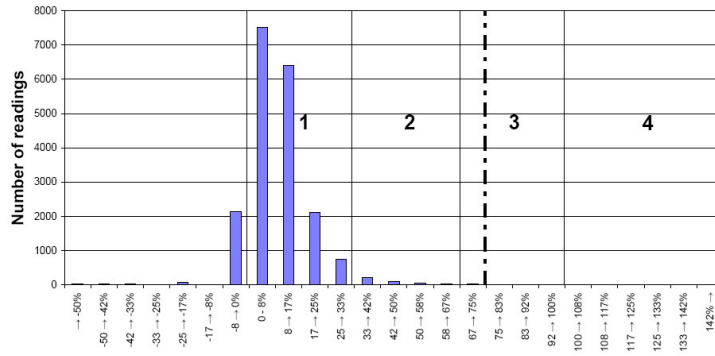
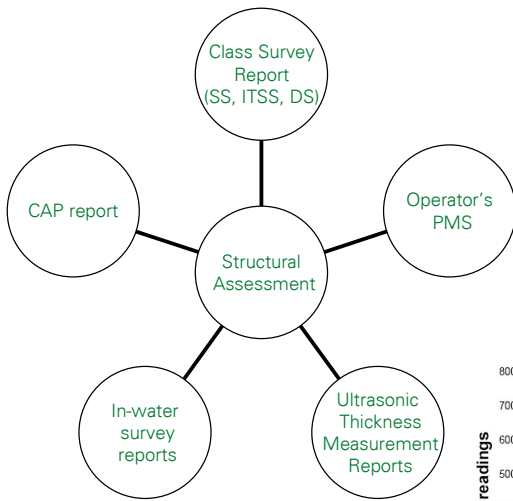
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# Vetting - SIRE



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# Vetting - CAP



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