Routine Repairs Turn Tragic
Reporting The Situation
Basic Sketch of Boiler Room Lay-out

SSTG Globe Valve

#1 SSTG

#2 Boiler

Main Steam Stop Valve

2MS-7

#1 Boiler

1MS-7

To Engine Room

NOTE: Main Steam means Superheated Steam
Examples of Valve
My Role As Inspector. What I Saw Changed My Life Forever
Speculating The Cause Of The Accident
<table>
<thead>
<tr>
<th>Grade Identification Marking</th>
<th>Specification</th>
<th>Material</th>
<th>Nominal Size, In.</th>
<th>Tempering Temp. °F</th>
<th>Proof Load Stress, ksi</th>
<th>Hardness Rockwell</th>
<th>See Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>ASTM A194</td>
<td>Medium Carbon Steel</td>
<td>1/4 - 4</td>
<td>1000</td>
<td>150</td>
<td>159 - 352</td>
<td>1,2,3</td>
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<tr>
<td>2H</td>
<td>ASTM A194</td>
<td>Medium Carbon Steel, Quenched and Tempered</td>
<td>1/4 - 4</td>
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<td>175</td>
<td>C24 - C38</td>
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<tr>
<td>2HM</td>
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</table>
LIVING IN THE AFTERMATH

If Something Doesn’t Look Right…It Probably Isn’t