




## QC-STEEL-002 - Girders

### Information

 24-222 - G1B


 Quality Control

 Friday, October 4th 2024, 2:45 PM (PDT -07:00)

### Pre Start Up

Job Name:  Emerson 110' Comp.

Job Number - Girder ID:  24-222 - G1B

Location:  Surespan Structures

Project Manager:  Wimpie Bouillon

 Material Check Completed

Date of Inspection:  September 20, 2024

### Pre Girder Fabrication (Beam Machine / Jig) - Web and Flange Check

#### Web / Flange #

 Web

   Camber / Sweep

   Length

   Width

   Thickness

Date of Inspection:  September 20, 2024

### Pre Girder Fabrication (Beam Machine / Jig) - Web and Flange Check

#### Web / Flange #

 Top Flange


   Camber / Sweep

   Length

   Width

   Thickness

Date of Inspection:

 September 20, 2024

### Pre Girder Fabrication (Beam Machine / Jig) - Web and Flange Check

#### Web / Flange #

☒ Bottom Flange


☒ ☐ ☐ NA Camber / Sweep

☒ ☐ ☐ NA Length

☒ ☐ ☐ NA Width

☒ ☐ ☐ NA Thickness

Date of Inspection:

 September 20, 2024

### Post Girder Fabrication (Beam Machine / Jig) Fitment / Weld Check

Welders - Web to Bottom Flange:  Angelo Pacchiano, Mathew Simpson

Web to Bottom Flange QC Checked:  Roderick Thiessen

☒ ☐ ☐ NA Web To Bottom Flange Correct:


Welders - Web to Top Flange:  Angelo Pacchiano, Mathew Simpson

Web to Top Flange QC Checked:  Roderick Thiessen


☒ ☐ ☐ NA Web to Top Flange Correct:


☒ No NA Do S.A.W. Welds Meet W59 Standard?

Date of Inspection:

 September 27, 2024


### Stiffener Layout and Welding Check (N/S) Near Side

(N/S) Near Side Stiffener(s) / Endplate(s) Layout Conducted by:  Kevin Anderson, Rovaun Malan

(N/S) Near Side Stiffener(s) / Endplate(s) Layout Verified by:  Roderick Thiessen


☒ ☐ ☐ NA (N/S) Near Side Stiffener(s) / Endplate(s) Layout Correct:

(N/S) Near Side Stiffener(s) / Endplate(s) Fit Up by:  Jeremy Ras

(N/S) Near Side Stiffener(s) / Endplate(s) Fit Up Verified by:  Roderick Thiessen  
(QC)



(N/S) Near Side Stiffener(s) / Endplate(s) Welded by:

 Hannes Erasmus, Owen Ketch, Bennie Nieuwoudt, Bryan Scrimbit



(N/S) Near Side Stiffener(s) / Endplate(s) Welds Correct:



No

NA

Do all welds on Stiffeners / Endplates Meet W59 Standards?

(N/S) Near Side Stiffener(s) / Endplate(s) Welds Verified by:  
(QC)

 Roderick Thiessen



Date of Inspection:

 October 2, 2024

### Stiffener Layout and Welding Check (F/S) Far Side

(F/S) Far Side Stiffener(s) / Endplate(s) Layout Conducted by:

 Hannes Erasmus

(F/S) Far Side Stiffener(s) / Endplate(s) Layout Verified by:  
(QC)

 Roderick Thiessen



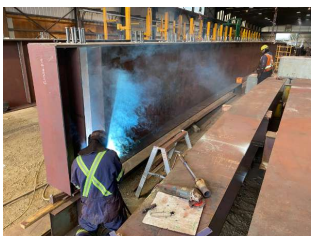
(F/S) Far Side Stiffener(s) / Endplate(s) Layout Correct:

(F/S) Far Side Stiffener(s) / Endplate(s) Fit Up by:

 Hannes Erasmus

(F/S) Far Side Stiffener(s) / Endplate(s) Fit Up Verified by:  
(QC)

 Roderick Thiessen



(F/S) Far Side Stiffener / End Plate(s) Welded by:

 Hannes Erasmus

☒ ☐ ☐ (F/S) Far Side Stiffener / End Plate(s) Welds Correct:


☒ Yes ☐ No ☐ NA Do all welds on Stiffeners / Endplates Meet W59 Standards?

(F/S) Far Side Stiffener / End Plate(s) Welds Verified by: (QC)

 Roderick Thiessen




Date of Inspection:

 October 2, 2024

### Studs/Holes

Studs/Holes Laid Out by:

 Owen Ketch

Work Carried Out by:

 Owen Ketch

Studs/Holes - Verified by: (QC)


 Roderick Thiessen



Passes/Fails

☒ 110 ☒ 2

 Stud repairs completed by Hannes Erasmus (Weld fillet)



Date of Inspection:

 October 2, 2024

### Final QC


☒ ☐ ☐ Have Edges been broken?

☒ ☐ ☐ Have holes been deburred?

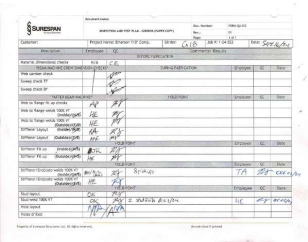


Smoke / Spatter / Markings Cleaned?

Date of Inspection:

 October 2, 2024

Additional Photos



Combined A & B  
camber check on G1  
line (101mm)



Signatures

Roderick Thiessen, *Welder*

 October 4th 2024, 2:45 PM (PDT -07:00)

 48.8057413, -123.7597633