



**SECCIÓN A-A**  
ESCALA 1:100

**NUDO 0**  
ESCALA 1:15

**SECCIÓN B-B**  
ESCALA 1:15

The drawing illustrates a structural steel connection, likely a moment-resisting joint. It includes three views: a cross-section (SECCIÓN A-A), a detail view of the joint (NUDO 0), and another cross-section (SECCIÓN B-B). The drawing specifies dimensions, material grades (e.g., PL 300x846, PL 280x370x12), and weld details (e.g., ANGULO SOLDADO, HUECOS Ø32mm). The connection is shown with various plates, bolts, and welds, and is labeled with section cut symbols (A-A, B-B, X-X) and reference markers (Cl-1, DC-1, VI-1).

[illegible]

Technical drawing of a vertical section of a wall assembly, showing insulation, structural elements, and fasteners. The drawing includes dimensions and labels for various components.

Labels and dimensions:

- Top horizontal dimension: 350
- DC-2 (Ductile Concrete)
- PL  $e=20$  (Plating)
- 50x1208 L  $e=20$  (Fastener)
- 240 (Height of top section)
- 95 (Height of middle section)
- 90 (Height of bottom section)
- 55 (Height of bottom section)
- 550 (Total height of middle section)
- 1208 (Total height of bottom section)
- HIFECOS  $\varnothing 32mm$  (Fastener)
- P' PERNOS M30 (Fastener)
- 10° (Angle of fastener)
- TIP. (Tip)
- 2PL 550x350 PL  $e=20$  (Plating)
- PL 1930x1208 PL  $e=20$  (Plating)
- 10° (Angle of fastener)

[illegible]

Technical drawing of a structural connection (Fig. 10.10) showing a side elevation view of a beam-to-column joint. The drawing includes dimensions for plate thicknesses (PL), hole diameters (HUECOS), and various structural components like DT-1, DC-3, and ANGLULO SOLDADO. It also shows the arrangement of bolts (PERNOS) and the overall geometry of the connection.

The diagram illustrates a cross-section of a DC-3 aircraft fuselage, detailing its internal structure and key dimensions. The overall width is 350 units. The total height is 1208 units, with a lower section height of 475 units. Key components include:

- Fuselage Skin:** Labeled as "PL e=20".
- Rivets:** Indicated by circles with dots, labeled "HEXOS Ø32mm" and "P PERIUS M30".
- Internal Structure:** Includes a central bulkhead or floor beam labeled "DC-3".
- Dimensions:**
  - Total width: 350
  - Total height: 1208
  - Lower section height: 475
  - Upper section height: 330
  - Distance from top skin to first rivet row: 55
  - Distance between rivet rows: 90
  - Distance from last rivet row to top skin: 55
  - Distance from bottom skin to first rivet row: 50
  - Distance between rivet rows: 90
  - Distance from last rivet row to bottom skin: 50
  - Distance from bottom skin to floor beam: 260
  - Distance from floor beam to upper skin: 50
  - Angle of floor beam reinforcement: 10°
  - Angle of lower skin reinforcement: 10°
- Labels:** "PL e=20" appears multiple times for different parts; "2PL 600x350 PL e=20" indicates a specific structural member.

ESPECIFICACIONES TÉCNICAS	
<u>ESPECIFICACIONES DE DISEÑO Y CONSTRUCCIÓN</u>	
PARA LA FABRICACIÓN, SUPERVISIÓN Y CONTROL, PINTURA, EMPALME Y MONTAJE SE UTILIZARÁN LAS SIGUIENTES ESPECIFICACIONES:	
<ul style="list-style-type: none"> <li>- AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS</li> <li>- ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE</li> <li>- AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS</li> </ul>	
<u>ACERO ESTRUCTURAL</u>	
- PERFILES ARMADOS	ASTM A709 GRADO G 50 Fy = 345 MPa.
- RIGIDIZADORES	ASTM A709 GRADO G 50 Fy = 345 MPa.
- CARTELAS	ASTM A709 GRADO G 50 Fy = 345 MPa.
- PLANCHAS DE APOYO	ASTM A709 GRADO 36 Fy = 250 MPa.
- CONECTORES STUDS	ASTM A108 GRADO 1015 Fy = 345 MPa.
- PERNOS	ASTM A 490 Pret. Min. = 408kN
<u>SOLDADURA</u>	
- ELECTRODOS AWS E7018 (SOLDADURA DE ESTRUCTURAS METÁLICAS)	
<u>DIPPOSITIVOS DE APOYO</u>	
- NEOPRENO	DUREZA 60 SHORE A

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**TESIS:** ELABORACIÓN DEL EXPEDIENTE TÉCNICO DEL PUENTE LAQUIPAMPA, DISTRITO DE INCAHUAYAN, PROVINCIA DE FERREÑAFE, DEPARTAMENTO DE LAMBAYEQUE.

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ESCALA:	INDICADA
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