

Technical drawing of a roof plan (Plano de Tecto) for a building. The drawing shows the layout of the roof, including the main roof area and the gable end. Key features include:

- Main Roof Area:** A large rectangle with a width of 15.7m and a length of 10.5m. It is divided into sections by a central ridge line and two side ridges.
- Gable End:** A smaller rectangle at the bottom with a width of 10.5m and a length of 12.5m.
- Roof Pitch:** The main roof has a pitch of 14/30, and the gable end has a pitch of 14/40.
- Structural Elements:** The drawing shows the positions of various structural elements, including walls, columns, and roof trusses.
- Dimensions:** Numerous dimensions are provided, including overall dimensions, section widths, and distances between structural elements.
- Notes:** There are several notes in the drawing, including "R=4" at the top left, "C=195" at the top left, "C=541" at the top right, "C=90" at the bottom left, "C=345" at the bottom left, "C=852" at the bottom center, and "C=390" at the bottom right.
- Symbols:** The drawing uses standard architectural symbols for walls, columns, and roof trusses.

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**Plan View:**

- Top flange: 2x N1 Ø 16 C=586
- Bottom flange: 2x N2 Ø 10 C=537
- Column: 11 N10 Ø 5 C=71
- Beam: 2x N3 Ø 10 C=255
- Column: 3 N5 Ø 12.5 C=150 (1 Ø 2aCAM)
- Beam: 2x N6 Ø 10 C=210
- Column: 2x N4 Ø 12.5 C=75
- Beam: 2x N7 Ø 10 C=195
- Column: 2x N8 Ø 5 C=97
- Beam: 2x N9 Ø 5 C=117
- Column: 2x N10 Ø 5 C=71
- Beam: 2x N11 Ø 5 C=537
- Column: 2x N12 Ø 5 C=537
- Beam: 2x N13 Ø 5 C=537
- Column: 2x N14 Ø 5 C=537
- Beam: 2x N15 Ø 5 C=537
- Column: 2x N16 Ø 5 C=537
- Beam: 2x N17 Ø 5 C=537
- Column: 2x N18 Ø 5 C=537
- Beam: 2x N19 Ø 5 C=537
- Column: 2x N20 Ø 5 C=537
- Beam: 2x N21 Ø 5 C=537
- Column: 2x N22 Ø 5 C=537
- Beam: 2x N23 Ø 5 C=537
- Column: 2x N24 Ø 5 C=537
- Beam: 2x N25 Ø 5 C=537
- Column: 2x N26 Ø 5 C=537
- Beam: 2x N27 Ø 5 C=537
- Column: 2x N28 Ø 5 C=537
- Beam: 2x N29 Ø 5 C=537
- Column: 2x N30 Ø 5 C=537
- Beam: 2x N31 Ø 5 C=537
- Column: 2x N32 Ø 5 C=537
- Beam: 2x N33 Ø 5 C=537
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- Beam: 2x N39 Ø 5 C=537
- Column: 2x N40 Ø 5 C=537
- Beam: 2x N41 Ø 5 C=537
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- Column: 2x N168 Ø 5 C=537
- Beam: 2x N169 Ø 5 C=537
- Column: 2x N170 Ø 5 C=537
- Beam: 2x N171 Ø 5 C=537
- Column: 2x N172 Ø 5 C=537
- Beam: 2x N173 Ø 5 C=537
- Column: 2x N1

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**Corte A**

**Corte B**

**V432**

ACO	BIT	COMPR	PESO (kg)
60A	5	451	69
50A	6.3	304	75
50A	8	89	35
50A	10	234	345
50A	12.5	198	191
50A	16	228	360
<b>Peso Total</b>	<b>60A =</b>		<b>69 kg</b>
<b>Peso Total</b>	<b>50A =</b>		<b>805 kg</b>

Technical drawing of a reinforced concrete slab (V420) showing a plan view and a cross-section (Corte A).

**Plan View:**

- Slab dimensions: 14/40 and 14/40.
- Reinforcement details:
  - 2 N1 Ø 12.5 C=649
  - 2 N2 Ø 12.5 C=185
  - 1 N4 Ø 10 C=641
  - 2 N3 Ø 10 C=787
  - 37 N5 Ø 5 C=91
- Labels: V420, P25, P26, P27, 31, 13, 21.

**Corte A:**

- Section A-A shows a T-shaped profile.
- Dimensions: 180 mm (top flange), 100 mm (web), 320 mm (total height), 120 mm (slab thickness).

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60A	5	451	69
50A	6,3	304	74
50A	8	89	35
50A	10	234	145
50A	12,5	198	191
50A		228	360
Peso Total		60A =	69 kg
Peso Total		50A =	805 kg

PROJETO ESTRUTURAL - CORPO DE BOMBEIROS

PROJOTISTA: C.OLIVEIRA CREA(CAU): 5063315792 Nº CONTRATADA: XXXXXXXXXXXXXXXX

RESP. TÉCNICO: Eng<sup>a</sup> Vera L.F.B. CONTRATADA: ESCALA: INDICADAS Nº PRANCHA: 11/