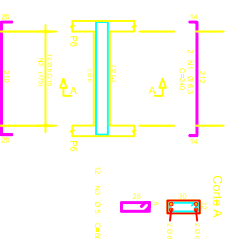
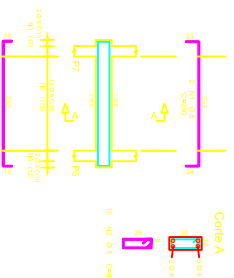
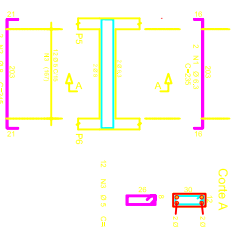
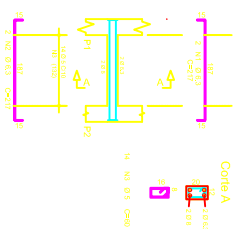


## ESC. 1:50

The diagram shows a square frame with diagonal members. The frame is composed of four corner joints and four diagonal members. The joints are labeled P1 (top-right), P2 (bottom-right), P3 (top-left), and P4 (bottom-left). The diagonal members are labeled V1 (top-right), V2 (bottom-right), V3 (top-left), and V4 (bottom-left). The frame is subjected to a horizontal load of 100 kN at the top-right joint (P1). The frame is supported by a roller support at the bottom-right joint (P2) and a pin support at the bottom-left joint (P4). The frame is divided into four quadrants by the diagonals. The quadrants are labeled V5 (top-right), V6 (bottom-right), V7 (top-left), and V8 (bottom-left). The frame is divided into four quadrants by the diagonals. The quadrants are labeled V5 (top-right), V6 (bottom-right), V7 (top-left), and V8 (bottom-left). The frame is divided into four quadrants by the diagonals. The quadrants are labeled V5 (top-right), V6 (bottom-right), V7 (top-left), and V8 (bottom-left).

**OBS.** Vigas 12/20 - **VIGAS CINTAS APOIADAS EM ALVENARIA**

[illegible]


## 1. TENSÃO DO CONCRETO:

 $f_{ck} = 25 \text{ MPa}$ 

FUNDAÇÃO: 3.0 cm ; PILAR: 2.5 cm ;

FUNDAÇÃO: 3.0

VIGA: 2.5 cm ; LAJE: 1.5 cm



FORMA E ARMADURA DO  
TÉRREO (VIGAS) 02/03