



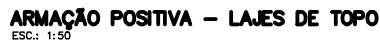
**SIMBOLOGIA:**

| BITOLA Ø       | CA-50 | CA-60 |
|----------------|-------|-------|
| < 20mm         | 2.5 Ø | 3.0 Ø |
| > 20mm         | 4.0 Ø | 5.0 Ø |
| ESTRIBO > 20mm | 1.5 Ø | 1.5 Ø |



ev > 2cm  
0.5 Ø MAX. AGREG.

eh > 2cm  
1.2 Ø MAX. AGREG.



| TABELA DE FERROS |      |    |             |          |
|------------------|------|----|-------------|----------|
| N                | Ø    | Q  | COMPRIMENTO |          |
|                  |      |    | UNIT.(cm)   | TOTAL(m) |
| 1                | 10.0 | 7  | 132         | 9.2      |
| 2                | 10.0 | 16 | VAR         | 13.6     |
| 3                | 10.0 | 12 | 52          | 6.2      |
| 4                | 10.0 | 12 | 92          | 11.0     |

| RESUMO AÇO CA-50 |          |             |            |
|------------------|----------|-------------|------------|
| ø(mm)            | COMP.(m) | PESO (Kg/m) | TOTAL (Kg) |
| 10.00            | 40.1     | 0.63        | 25.1       |
| TOTAL            |          |             | 25.1       |

**NOTAS:**

- 01- COTAS E DIMENSÕES EM CENTÍMETRO E ELEVÇÕES EM METRO, EXCETO ONDE INDICADO.
- 02- CONCRETO ESTRUTURAL fck= 30 MPa, CONCRETO MAGRO fck= 10 MPa.
- 03- PARA A CURA DO CONCRETO DEVERÁ SER UTILIZADA LAMINA D'ÁGUA OU LONA (MANTA BOMBA) ENCHARRADA, ADOTAR A CURA QUÍMICA E PROTEÇÃO CONTRA O VENTO IMEDIATAMENTE APÓS O PERÍODO DE CURA.
- 04- AS FORMAS E ESCORAMENTOS DEVERÃO SER DIMENSIONADOS E EXECUTADOS DE ACORDO COM AS PRESCRIÇÕES DA NB-11, DE MODO QUE NÃO SOFRAM DEFORMAÇÕES PREJUDICIAIS, QUEIR SOB A AÇÃO DOS FALHES ALÍNEA, EMBORA SOB A CARGA, ESPECIALMENTE A DO CONCRETO ANTES DO INÍCIO DA PEGA. UTILIZAR FORMA CHAPA COMPENSADA RESINADA 12mm.
- 05- OS MATERIAIS CONSTITUINTES DO CONCRETO ARMADO DEVEM ATENDER AS SUAS RESPECTIVAS ESPECIFICAÇÕES: CIMENTO PORTLAND NBR 11578, NBR 11578-2, NBR 11578-3, NBR 11578-4, NBR 11578-5, NBR 11578-6, NBR 11578-7, NBR 11578-8, NBR 11578-9, NBR 11578-10, NBR 11578-11, NBR 11578-12, NBR 11578-13, NBR 11578-14, NBR 11578-15, NBR 11578-16, NBR 11578-17, NBR 11578-18, NBR 11578-19, NBR 11578-20, NBR 11578-21, NBR 11578-22, NBR 11578-23, NBR 11578-24, NBR 11578-25, NBR 11578-26, NBR 11578-27, NBR 11578-28, NBR 11578-29, NBR 11578-30, NBR 11578-31, NBR 11578-32, NBR 11578-33, NBR 11578-34, NBR 11578-35, NBR 11578-36, NBR 11578-37, NBR 11578-38, NBR 11578-39, NBR 11578-40, NBR 11578-41, NBR 11578-42, NBR 11578-43, NBR 11578-44, NBR 11578-45, NBR 11578-46, NBR 11578-47, NBR 11578-48, NBR 11578-49, NBR 11578-50, NBR 11578-51, NBR 11578-52, NBR 11578-53, NBR 11578-54, NBR 11578-55, NBR 11578-56, NBR 11578-57, NBR 11578-58, NBR 11578-59, NBR 11578-60, NBR 11578-61, NBR 11578-62, NBR 11578-63, NBR 11578-64, NBR 11578-65, NBR 11578-66, NBR 11578-67, NBR 11578-68, NBR 11578-69, NBR 11578-70, NBR 11578-71, NBR 11578-72, NBR 11578-73, NBR 11578-74, NBR 11578-75, NBR 11578-76, NBR 11578-77, NBR 11578-78, NBR 11578-79, NBR 11578-80, NBR 11578-81, NBR 11578-82, NBR 11578-83, NBR 11578-84, NBR 11578-85, NBR 11578-86, NBR 11578-87, NBR 11578-88, NBR 11578-89, NBR 11578-90, NBR 11578-91, NBR 11578-92, NBR 11578-93, NBR 11578-94, NBR 11578-95, NBR 11578-96, NBR 11578-97, NBR 11578-98, NBR 11578-99, NBR 11578-100, NBR 11578-101, NBR 11578-102, NBR 11578-103, NBR 11578-104, NBR 11578-105, NBR 11578-106, NBR 11578-107, NBR 11578-108, NBR 11578-109, NBR 11578-110, NBR 11578-111, NBR 11578-112, NBR 11578-113, NBR 11578-114, NBR 11578-115, NBR 11578-116, NBR 11578-117, NBR 11578-118, NBR 11578-119, NBR 11578-120, NBR 11578-121, NBR 11578-122, NBR 11578-123, NBR 11578-124, NBR 11578-125, NBR 11578-126, NBR 11578-127, NBR 11578-128, NBR 11578-129, NBR 11578-130, NBR 11578-131, NBR 11578-132, NBR 11578-133, NBR 11578-134, NBR 11578-135, NBR 11578-136, NBR 11578-137, NBR 11578-138, NBR 11578-139, NBR 11578-140, NBR 11578-141, NBR 11578-142, NBR 11578-143, NBR 11578-144, NBR 11578-145, NBR 11578-146, NBR 11578-147, NBR 11578-148, NBR 11578-149, NBR 11578-150, NBR 11578-151, NBR 11578-152, NBR 11578-153, NBR 11578-154, NBR 11578-155, NBR 11578-156, NBR 11578-157, NBR 11578-158, NBR 11578-159, NBR 11578-160, NBR 11578-161, NBR 11578-162, NBR 11578-163, NBR 11578-164, NBR 11578-165, NBR 11578-166, NBR 11578-167, NBR 11578-168, NBR 11578-169, NBR 11578-170, NBR 11578-171, NBR 11578-172, NBR 11578-173, NBR 11578-174, NBR 11578-175, NBR 11578-176, NBR 11578-177, NBR 11578-178, NBR 11578-179, NBR 11578-180, NBR 11578-181, NBR 11578-182, NBR 11578-183, NBR 11578-184, NBR 11578-185, NBR 11578-186, NBR 11578-187, NBR 11578-188, NBR 11578-189, NBR 11578-190, NBR 11578-191, NBR 11578-192, NBR 11578-193, NBR 11578-194, NBR 11578-195, NBR 11578-196, NBR 11578-197, NBR 11578-198, NBR 11578-199, NBR 11578-200, NBR 11578-201, NBR 11578-202, NBR 11578-203, NBR 11578-204, NBR 11578-205, NBR 11578-206, NBR 11578-207, NBR 11578-208, NBR 11578-209, NBR 11578-210, NBR 11578-211, NBR 11578-212, NBR 11578-213, NBR 11578-214, NBR 11578-215, NBR 11578-216, NBR 11578-217, NBR 11578-218, NBR 11578-219, NBR 11578-220, NBR 11578-221, NBR 11578-222, NBR 11578-223, NBR 11578-224, NBR 11578-225, NBR 11578-226, NBR 11578-227, NBR 11578-228, NBR 11578-229, NBR 11578-230, NBR 11578-231, NBR 11578-232, NBR 11578-233, NBR 11578-234, NBR 11578-235, NBR 11578-236, NBR 11578-237, NBR 11578-238, NBR 11578-239, NBR 11578-240, NBR 11578-241, NBR 11578-242, NBR 11578-243, NBR 11578-244, NBR 11578-245, NBR 11578-246, NBR 11578-247, NBR 11578-248, NBR 11578-249, NBR 11578-250, NBR 11578-251, NBR 11578-252, NBR 11578-253, NBR 11578-254, NBR 11578-255, NBR 11578-256, NBR 11578-257, NBR 11578-258, NBR 11578-259, NBR 11578-260, NBR 11578-261, NBR 11578-262, NBR 11578-263, NBR 11578-264, NBR 11578-265, NBR 11578-266, NBR 11578-267, NBR 11578-268, NBR 11578-269, NBR 11578-270, NBR 11578-271, NBR 11578-272, NBR 11578-273, NBR 11578-274, NBR 11578-275, NBR 11578-276, NBR 11578-277, NBR 11578-278, NBR 11578-279, NBR 11578-280, NBR 11578-281, NBR 11578-282, NBR 11578-283, NBR 11578-284, NBR 11578-285, NBR 11578-286, NBR 11578-287, NBR 11578-288, NBR 11578-289, NBR 11578-290, NBR 11578-291, NBR 11578-292, NBR 11578-293, NBR 11578-294, NBR 11578-295, NBR 11578-296, NBR 11578-297, NBR 11578-298, NBR 11578-299,

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