

TYPICAL BEAM REINFORCING DETAIL TYPE 1

TYPICAL BEAM REINFORCING DETAIL TYPE 2

TYPICAL JOIST REINFORCING DETAIL

NOTE:
WHERE BAR DIMENSIONS ARE NOT INDICATED IN THE SCHEDULE,
USE THE FOLLOWING LENGTHS. IN THE FOLLOWING, SPAN IS EQUAL
TO SPAN A OR SPAN B, WHICHEVER IS GREATER

L2 = .333 X SPAN L4 = .025 X SPAN

- NOTES:**
1. ALL BEAMS ARE TO BE TYPE 1 UNLESS NOTED AS TYPE 2 IN THE BEAM SCHEDULE.
 2. WHERE BAR DIMENSIONS ARE NOT INDICATED IN THE SCHEDULE USE THE FOLLOWING LENGTHS. IN THE FOLLOWING, SPAN IS EQUAL TO SPAN A, OR SPAN B, WHICH EVER IS GREATER, FOR TOP BARS ONLY.

- L1 = .125 X SPAN
L2 = .333 X SPAN
L3 = .025 X SPAN
L4 = .025 X SPAN

3. PLACE ONE B BAR IN EACH BOTTOM CORNER AND ONE T BAR IN EACH TOP CORNER OF THE STIRRUP CAGE.

4. CONDITION SHOWN IS AT COLUMNS. WHERE BEAMS INTERSECT BEAMS USE TYPICAL INTERIOR BEAM SECTION.

5. LEFT AND RIGHT OF BEAM SHALL BE DETERMINED AS THE BEAM IS BEING VIEWED TO READ THE MARK ON THE PLAN. SCHEDULED INTERIOR TOP BARS ARE THOSE LOCATED OVER THE RIGHT SUPPORT.

6. ALL BOTTOM BARS AND TOP BARS SHALL BE PLACED IN ONE LAYER UNLESS TWO LAYERS ARE NOTED IN THE BEAM SCHEDULE. WHERE TWO LAYERS ARE NOTED PROVIDE 1" CLEAR BETWEEN LAYERS. IF TWO LAYERS ARE NOTED PLACE BAR B1 ABOVE BAR B AND BAR T ABOVE T1.

7. LENGTH OF EXTERIOR TOP BARS ARE GIVEN ONLY WHEN STRAIGHT BARS OCCUR. OTHERWISE HOOK BARS ARE REQUIRED.
8. WHERE A BEAM IS SUPPORTED BY A COLUMN, BUT HAS ANOTHER BEAM RUNNING PERPENDICULAR TO IT AT THE SAME COLUMN, THE FIRST STRIPUP SPACE SHALL START FROM THE FACE OF THE COLUMN AND NOT FROM THE FACE OF THE TRANSVERSE BEAM.
9. WHERE BEAM TOP BARS INTERSECT, PLACE EAST-WEST TOP BARS BELOW NORTH-SOUTH BARS.

TYPICAL INTERIOR BEAM SECTION

TYPICAL SPANDREL BEAM SECTION

TYPICAL STIRRUP TYPES

- | SUPPLEMENTARY ABBREVIATIONS | |
|-----------------------------|---------------------------|
| B | BOTTOM BARS |
| BTWN | BETWEEN |
| CE | CANTILEVERED END |
| DE | DEPTH OF MEMBER IN INCHES |
| EE | EACH END |
| EF | EACH FACE |
| FL | FULL LENGTH |
| FE | EXTERIOR TOP BAR |
| EW | EACH WAY |
| H | HAC STANDARD HOOK |
| ITB | INTERIOR TOP BAR |
| LE | LEFT END |
| L | LENGTH |
| PG | PAIRED STIRRUPS |
| RTB | RIGHT END |
| REM | REMAINDER |
| S | SIDE BARS |
| T | TOP BARS |
| THQU | THROUGHOUT MEMBER |
| W | WIDTH OF MEMBER IN INCHES |

[illegible]

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I HEREBY CERTIFY THAT THIS REPORT WAS PREPARED BY ME UNDER THE LAWS OF THE STATE OF CALIFORNIA.
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DATE: DECEMBER 9, 2001

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY MY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 PRINT NAME: MICHAEL KUHSE
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ARCHITECTS/ENGINEERS



Drawing Title

BEAM SCHEDULE, TYPICAL SECTIONS AND DETAILS

Approved : Project Director

Project Title

EXPAND PRIMARY AND SPECIALT
CARE/RECONFIGURE SUPPORT
SPACE

Location
4801 Veterans Drive, St. Cloud, MN 56303

Cloud, MI

Project Number
656-321 / 133959Building Number
NKE

Drawing number

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

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