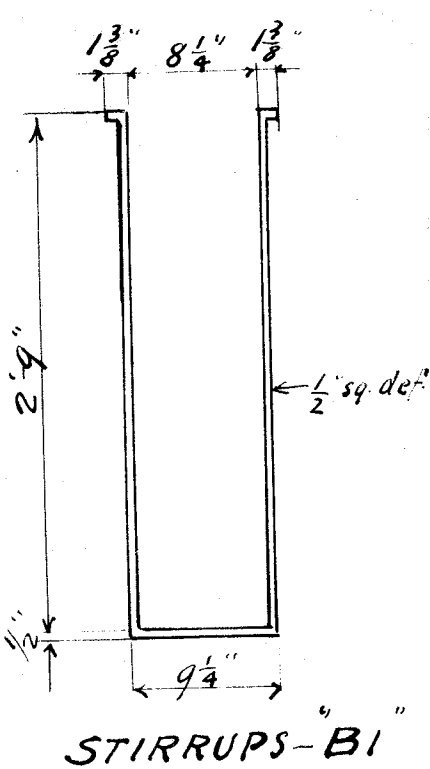
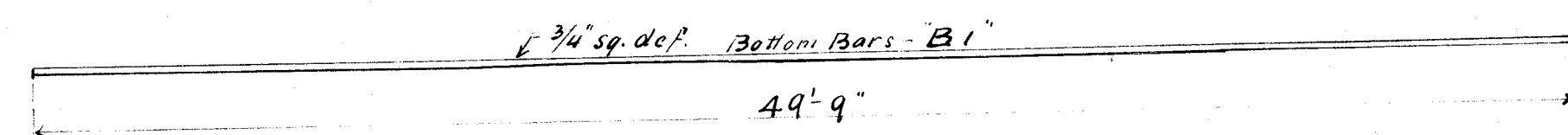
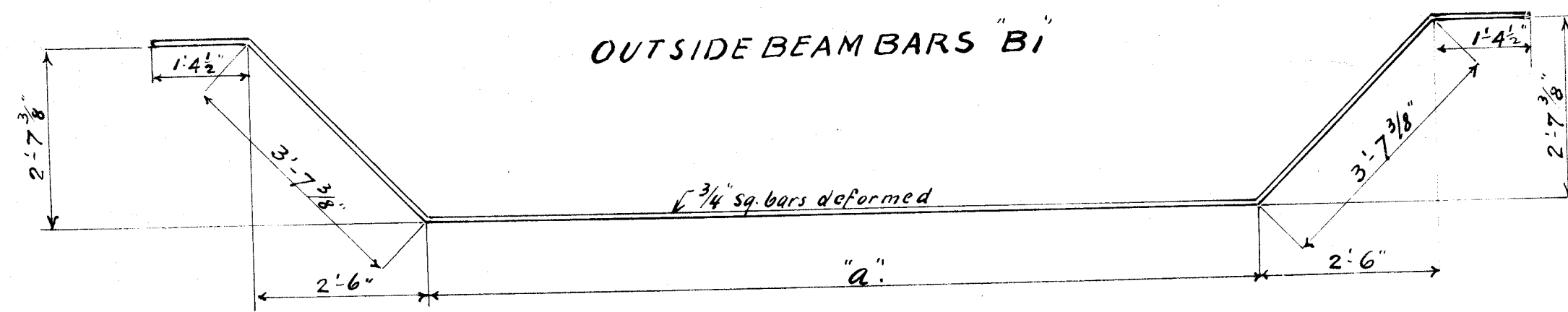


STEEL BARS FOR CONCRETE BRIDGE  
OVER CANAL - BUCKIUS STR.

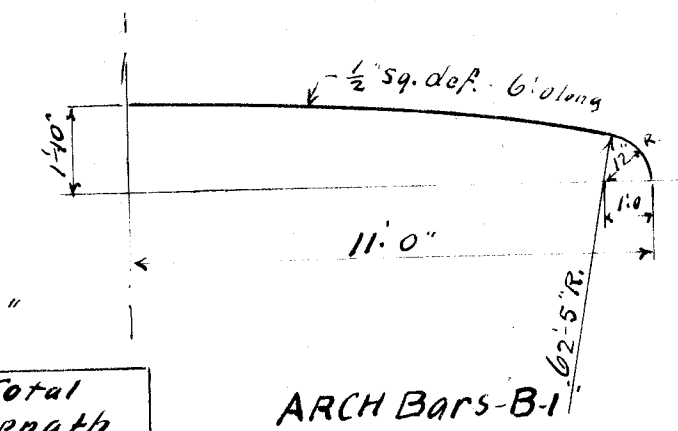
MASSILLON  
STARK COUNTY - OHIO.



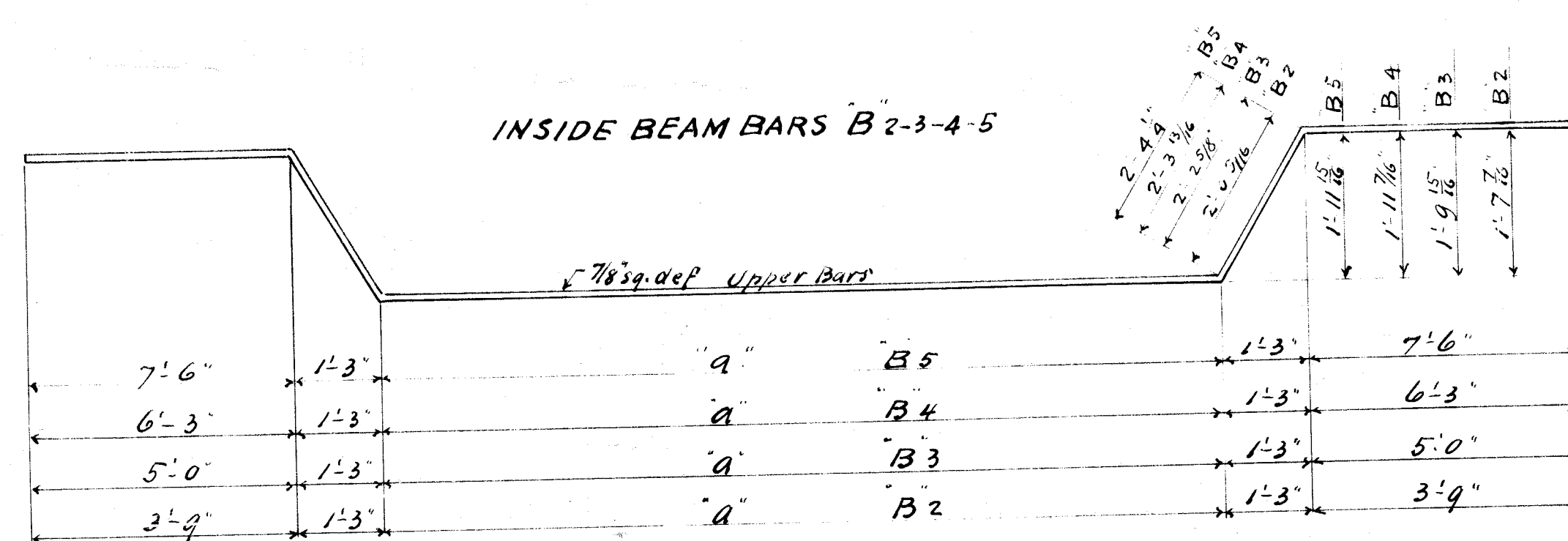
Steel List of Beam Bars "B1"

| No. | Mark | Size                   | "a"      | Total Length |
|-----|------|------------------------|----------|--------------|
| 4   | B1   | 3/4 sq. def.           | 12'0"    | 21'11 3/4"   |
| 4   | "    | "                      | 7'0"     | 21'11 3/4"   |
| 8   | "    | "                      | Straight | 49'9"        |
| 56  | "    | 1/2 sq. def. stirrups  | 6'6"     | 6'6"         |
| 24  | "    | 1/2 sq. def. Arch bars | 6'0"     | 6'0"         |

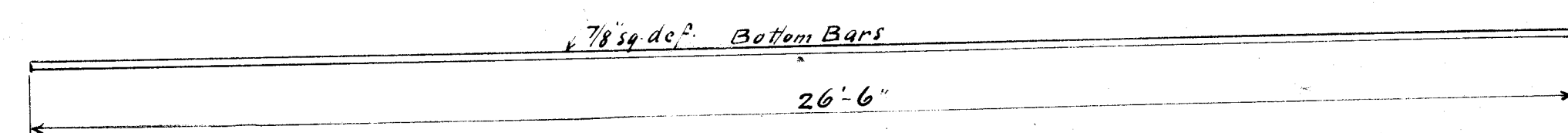
ARCH BARS - B1



INSIDE BEAM BARS B2-3-4-5



7/8 sq. def. Upper Bars

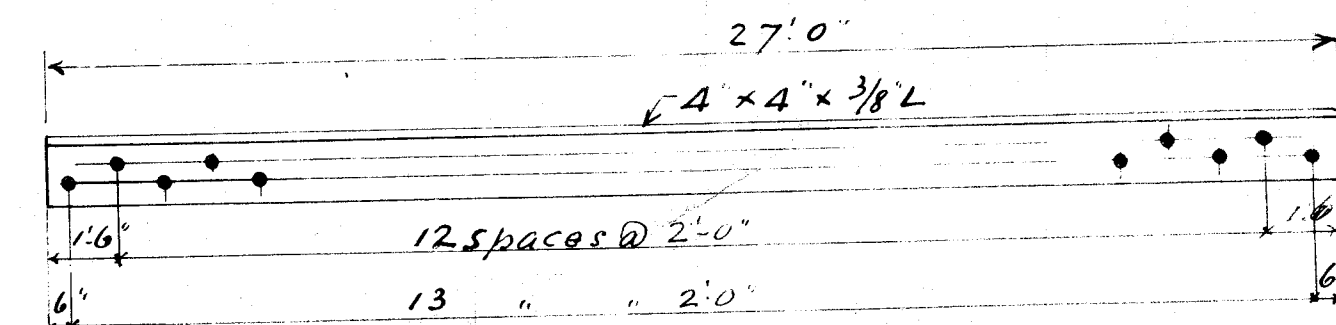
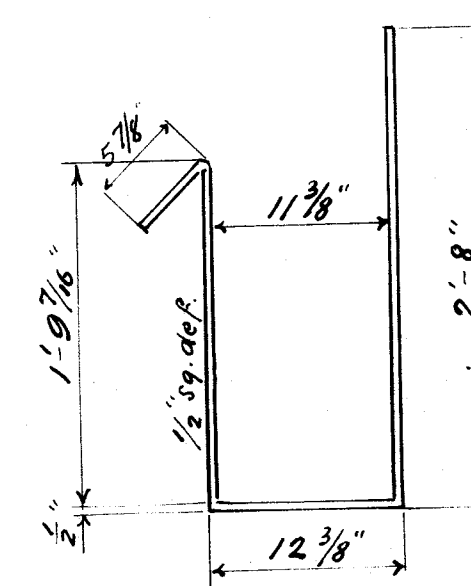


Steel List of Beams "B2-3-4-5"

| No. | Mark     | Size                  | "a"      | Total Length |
|-----|----------|-----------------------|----------|--------------|
| 16  | B2       | 7/8 sq. def.          | 20'0"    | 31'7 3/8"    |
| 16  | B3       | "                     | 17'6"    | 31'11 1/4"   |
| 16  | B4       | "                     | 15'0"    | 32'1 5/8"    |
| 8   | B5       | "                     | 12'6"    | 32'2 1/2"    |
| 56  | B2-3-4-5 | "                     | Straight | 26'6"        |
| 44  | B5       | 1/2 sq. def. stirrups | 6'4"     | 6'4"         |
| 88  | B4       | "                     | "        | 6'1"         |
| 88  | B3       | "                     | "        | 6'0"         |
| 88  | B2       | "                     | "        | 6'7"         |

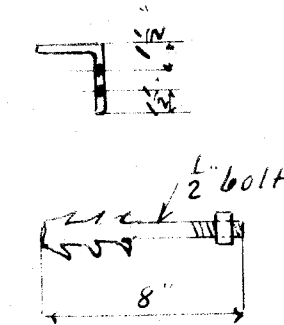
STIRRUPS "B2-3-4-5"

STIRRUPS "B2"



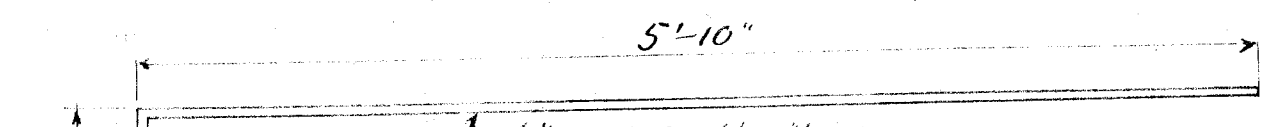
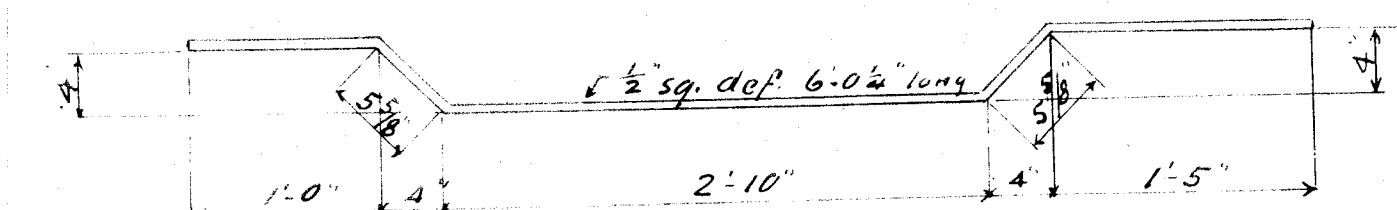
Slab Angles - 2 Req'd.

9/16\" Holes.



52 Anchor Bolts Req'd.

SIDE WALK SLAB BARS



5'10\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

1'0\"

List of Main Slab & Side Walk Slab Bars.

| No. | Size         | Total Length | Location       | Bent or Straight |
|-----|--------------|--------------|----------------|------------------|
| 47  | 1/2 sq. def. | 30'6"        | Main Slab      | Bent             |
| 47  | "            | 49'9"        | "              | Straight         |
| 86  | "            | 6'04"        | Side Walk Slab | Bent             |
| 86  | "            | 6'10"        | "              | Bent             |
| 6   | 3/8 sq. def. | 49'9"        | "              | Straight         |
| 18  | 3/8 sq. def. | 49'9"        | Main Slab      | "                |

List of Miscellaneous Bars

| No. | Size         | Total Length | Location                         | Bent or Straight |
|-----|--------------|--------------|----------------------------------|------------------|
| 5   | 1/2 sq. def. | 44'0"        | Center Pier Fender               | Straight         |
| 45  | "            | 4'9"         | "                                | "                |
| 8   | "            | 39'0"        | East & West Abut                 | "                |
| 40  | "            | 4'0"         | East Abut                        | "                |
| 40  | "            | 3'5"         | West "                           | "                |
| 8   | "            | 4'6"         | East Wing                        | "                |
| 8   | "            | 5'0"         | West "                           | "                |
| 12  | "            | 4'4"         | East Abut Cross Bars             | "                |
| 12  | "            | 4'0"         | West Abut Cross Bars             | "                |
| 26  | "            | 10'11"       | Vertical bars East Abut          | "                |
| 26  | "            | 9'0"         | West Abut Vert. Bars             | "                |
| 13  | "            | 39'6"        | East & West Abut Horiz. Bars     | "                |
| 12  | "            | 12'6"        | East Wing Vert. Bar              | "                |
| 4   | "            | 12'0"        | "                                | "                |
| 12  | "            | 9'6"         | West Wing Vert. "                | "                |
| 4   | "            | 9'0"         | "                                | "                |
| 6   | "            | 1'6"         | Top Main Center Pier             | "                |
| 16  | "            | 32'6"        | Railing                          | "                |
| 48  | "            | 3'0"         | Rail Posts                       | "                |
| 48  | "            | 1'6"         | Rail Base & Bolt                 | "                |
| 74  | 3/4 sq. def. | 2'0"         | Footers and Abutments Vert. bars | "                |
| 18  | "            | 4'6"         | Intermediate Rail Piers          | "                |

M-112A