FIXING DETAIL OF CONCERTINA COIL

(A) AT STARTING POINT ONE HANDLE WITH HOOK
(B) AT 10,000 C/C TWO HANDLES WITH HOOK

ALL DIMENSIONS ARE IN MM.

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DETAILS OF VERTICAL POST ON OUTER ROW

SIDE ELEVATION

VIEW A-A
VIEW B-B

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ALL DIMENSIONS ARE IN MM.

DRG.NO. CI-456/C/121 RO

15-06-05
SIDE ELEVATION

VIEW: B-B

VIEW A-A

DETAILS OF STRUTTED POST ON OUTER ROW

ALL DIMENSIONS ARE IN MM.

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75 long M.S. Spike made of 12\(^{\circ}\) M.S. Rod welded to Angle Iron post on top portion @1no. In each post/welding to be done on both the vertical sides of spikes with the angle iron.

Details of Vertical Post on Middle Row

ALL DIMENSIONS ARE IN MM.

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TYPICAL DETAIL OF STRUT FOOTINGS

STRUT FOOTING ON MIDDLE ROW

STRUT FOOTING ON OUTER ROW

ALL DIMENSIONS ARE IN MM.
DETAIL OF M.S. HOOKS

1.25 mm diameter hole for 10 mm bolt, including washers of minimum 1.25 mm thick.

Wrapped with GI wire of 1.8 mm at three places with at least 6 wraps at each place or with two U-bolts.

GI BARBED WIRE

40x5 THK. FLAT 80 LONG.

NOTE:
In case of flat a tolerance of +2 in width and in case of rod a tolerance of 1 in diameter is allowed.
12\(\phi\) hole for 10\(\phi\) M.S. bolt with washer of minimum 1.25\(\phi\)thk.

40\(\times\)5\(\phi\)thk. flat 100 long.

10\(\phi\) turn buckle 420 bar length

Wrapped with G.I. wire of 16 gauge at three places with at least 6 wraps at each place or with two U-bolts.

TURN BUCKLE TIGHTENING BOLT AND 'U'BOLT

NOTE:

In case of flat a tolerance of ±2 in width is allowed and in case of rod a tolerance of ±1 in the diameter is allowed.
1. Galvanized Steel Barbed Wire:
   Conforming to IS:278-1978
   - Line Wire: NOW: 2.100 ± 0.08 mm
   - Point Wire: NOW: 2.50 ± 0.08 mm
   - Mass: Max. 1.25 Min. 1.08 gms/m.
   - Dist. Between Two Barbs: 7.5 ± 12 mm.
   - Tensile Strength of Line Wire:
     - Min. Breaking Load of Barbed Wire: 390 to 590 N/mm²
     - Wire: 3.7 KN

2. Conforming to IS:428-1979
   - For Medium Coated Wires: 590 N/mm²
   - Distance Between Two Successive Weldings: 15 M.
   - Weldings in Finished Barbed Wire: 4
   - There shall be no Splicings.

Details of Barbed Wire:

Type A:
- Individual Wire
- Line Wire
- Point Wire
- Pitch of Barbs

Type B:
- Individual Wire
- Line Wire
- Point Wire
- Pitch of Barbs

All dimensions are in mm.
PUNCHED TAPE CONCERTINA COIL—ELEVATION

NOTES:
1 - CRIMP PUNCHED TAPE OVER SPRING WIRE TO FORM THE COIL
2 - CLIP BOTH FREE ENDS WITH THREE CLIPS AS SHOWN
3 - DIVIDE CIRCUMFERENCE IN FIVE EQUAL PARTS TO LOCATE 5 ROWS OF CLIPS ON CIRCUMFERENCE SUCH THAT FIRST DIVISION COMMENCES FROM THIRD CLIPPED END
4 - ON THE ROWS 1st, 3rd AND 5th CLIP 1st TURN TO 2nd TURN, 3rd TURN TO 4th TURN, 5th TURN TO 6th TURN AND SO ON.
5 - ON THE ROWS 2nd AND 4th CLIP 2nd TURN TO 3rd TURN, 4th TURN TO 5th TURN, 6th TURN TO 7th TURN AND SO ON.

ALL DIMENSIONS ARE IN MM.

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ENGINEERING PROJECTS (INDIA) LTD.
Punched Tape Concertina Coil: Specifications

Material: Steel

Designation: Steel Sheet

Dimensions:
- Width: 1240 mm
- Height: 320 mm
- Thickness: 0.7 mm

Finish:
- Electro-galvanized

Specifications:
- Minimum 10 microns coating
- Hot-dip electro-galvanized
- Minimum 20 microns coating
- Minimum 30 microns coating

Identification Plate:
- Markings:
  - Identification number
  - Manufacturer's name

Section:
- Wire (Core): 4.5 mm
- Tape (Punched): 1.6 mm
- Strip (Punched): 2.5 mm
- Round (Handle): 1.6 mm
- Steel Groove: 2.0 mm
- Steel Bar: 1.6 mm
- Steel Sheet: 0.7 mm

Additional Information:
- All dimensions are in mm
- Date: 18-08-03

Design by: O.K. Chittaranjan

Figure No.: 5-134

Organization No.: O-096/C/G/134

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