

TECHNICAL CIRCULAR

No. S.E.(Gates) C.D.O./T.C./88

Dt. 3-9-88.

During finalisation of design and drawing of a Trash rack pannel for power outlet, it was observed that Trash Rack bars were provided within the frame of Trash Rack pannel. While keeping the opening (viz.300x75) for accomodating the lifting hook, the trash bars in this opening portion get cut and the whole area of opening remain exposed to the flow. Due to this the purpose of providing trash rack at ϕ 45 to 50 mm c/c can not be achieved.

Hence to avoid this situation and to have uniforming in design and drawing prepared in Gate Circle, it is directed to provide trash bars out side Trash Rack frame. This can be achieved by providing the cut to shape plate section instead of I section, for horizontal stiffner. An additional cut to shape plate can also be welded to upstream flange of ISMC section at top of bottom.

This provision will also help to increase the net area of Trash Rack Pannel to have a necessary velocity check. The drawings already prepared may therefore be reviewed in light of the above instructions.

A Sketch showing the general arrangement of Trash Rack Pannel is enclosed for ready reference.

Sd/- X X X

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Copy forwarded with compliments along with the sketch to the Executive Engineer, Designs Division, GO-I/GO-II/GO-III/GOIV/P.L.-3/C.S.I, Central Designs Organisation, Dindori Road, Nashik-4 for information and necessary action.

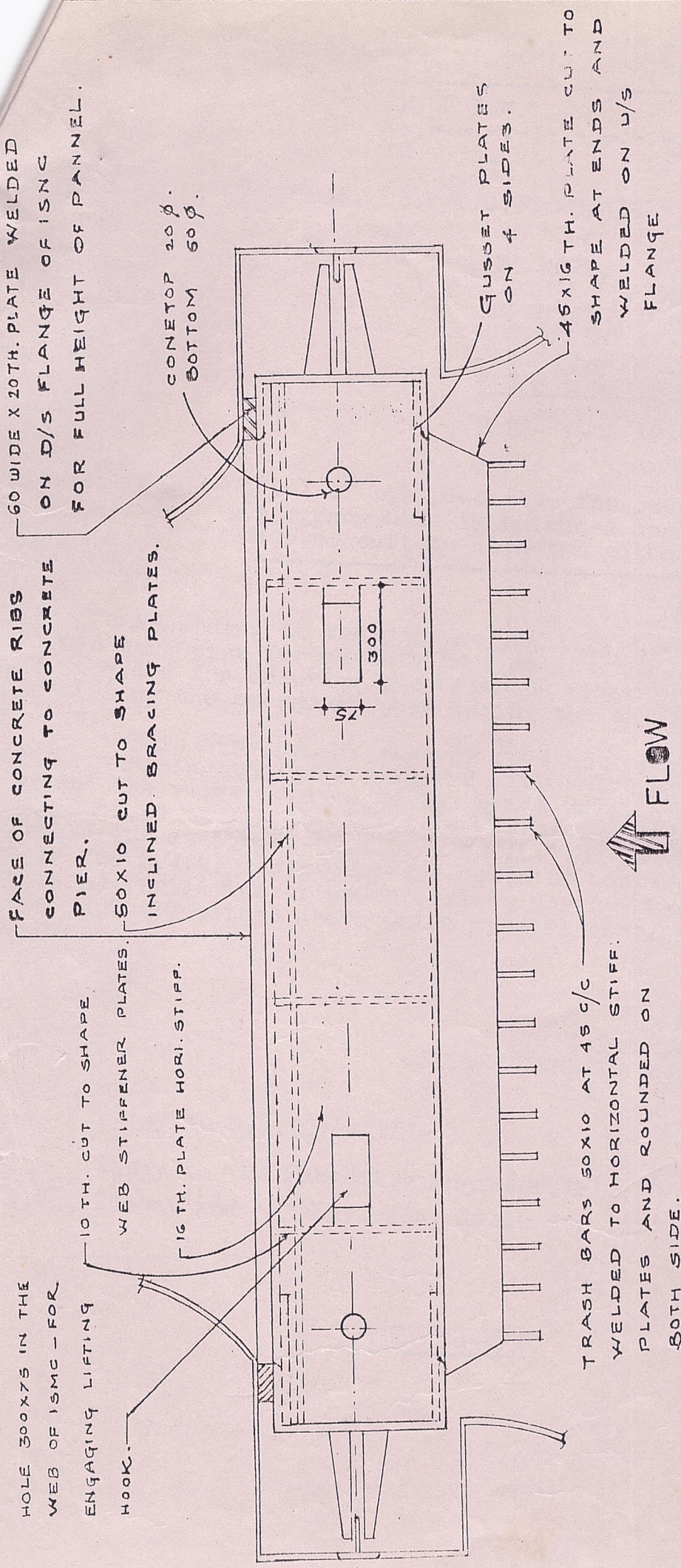
No.GO-II/T.C./258

Dated :

16/9/88

(N.S.Joshi)
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*Bachulkar
SD
all to follow
17-9-88*



60 WIDE X 20TH. PLATE WELDED ON D/S FLANGE OF ISMC FOR FULL HEIGHT OF PANNEL.

FACE OF CONCRETE RIBS CONNECTING TO CONCRETE PIER.

10TH. CUT TO SHAPE. WEB STIFFENER PLATES. 50X10 CUT TO SHAPE INCLINED BRACING PLATES.

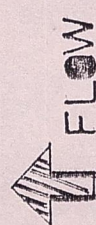
HOLE 300X75 IN THE WEB OF ISMC - FOR ENGAGING LIFTING HOOK.

CONETOP 20ϕ. BOTTOM 60ϕ.

GUSSET PLATES ON 4 SIDES.

45X10 TH. PLATE CUT TO SHAPE AT ENDS AND WELDED ON U/S FLANGE

TRASH BARS 50X10 AT 45 C/C WELDED TO HORIZONTAL STIFF. PLATES AND ROUNDED ON BOTH SIDE.



PLAN

.TYPICAL ARRANGEMENT OF TRASH RACK PANNEL

T TO SCALE)