

**NOTES:**

- A. CONCRETE TO BE 30MPA COMPRESSIVE STRENGTH AT 28 DAYS WITH 5-8% AIR ENTRAINMENT.
- B. REINFORCING BAR TO HAVE 75mm COVER  $\pm$  20mm.
- C. 25mm CHAMFERS ON ALL EXPOSED EDGES.
- D. OPSD 3940.150 INCLUDED.
- E. PRECAST CONCRETE CHUTE BLOCKS 300X200X100mm HIGH AND PLACED AS REQUIRED (OPTIONAL).
- F. GRANULAR BACKFILL TO BE PLACED TO 300mm MINIMUM THICKNESS ON ALL SIDES.
- G. GROUTING IS REQUIRED AROUND PIPE AND LIFTING POCKETS.
- H. ALL DIMENSIONS IN mm UNLESS OTHERWISE SHOWN.



## INTERNATIONAL EROSION CONTROL SYSTEMS

22253 Hoskins Line  
Rodney, ON, N0L 2C0

Phone: 800-821-7462  
Fax: 866-496-1990

[www.iecs.com](http://www.iecs.com)

### PRECAST CONCRETE HEADWALL (4 PIECE) CONFORMS TO OPSD 804.040

DRAWN BY:

D. JOHNSTON

CHECKED BY:

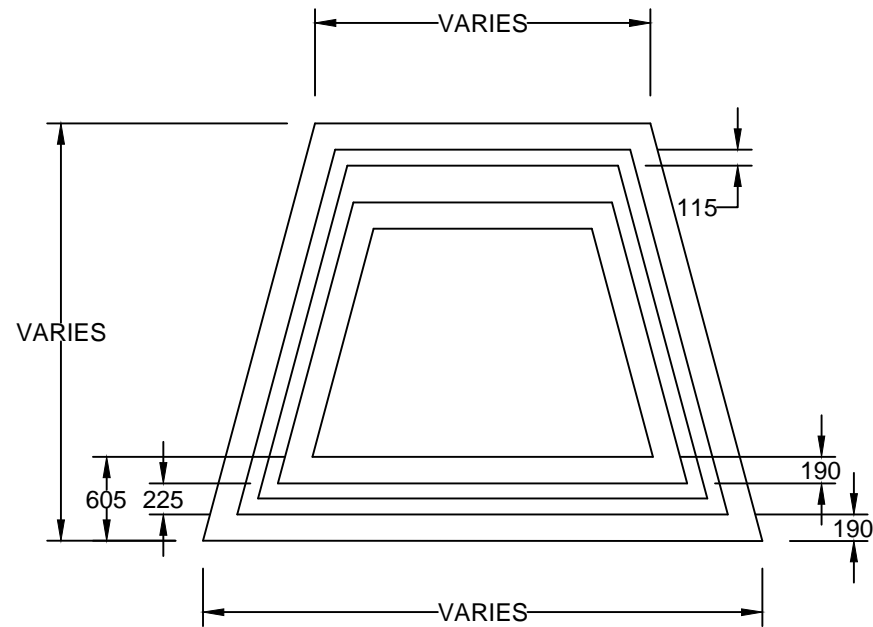
L. ARVAI

SCALE: N.T.S

DATE: 03/19/13

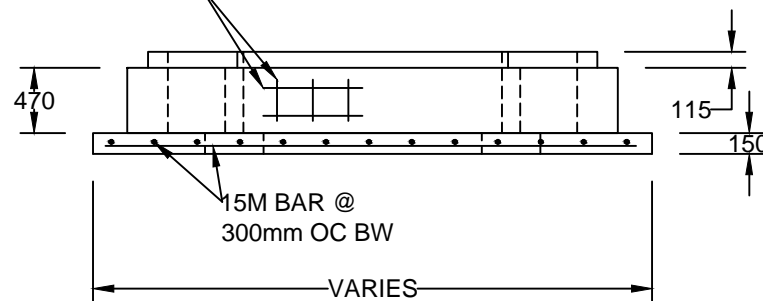
SHEET 1 OF 5

# SECTION A



TOP VIEW

15M BAR @ 300mm OC BW



FRONT VIEW

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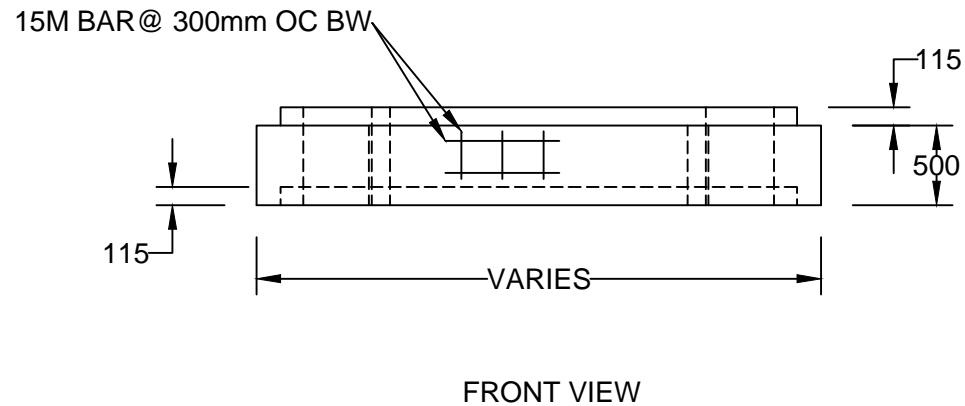
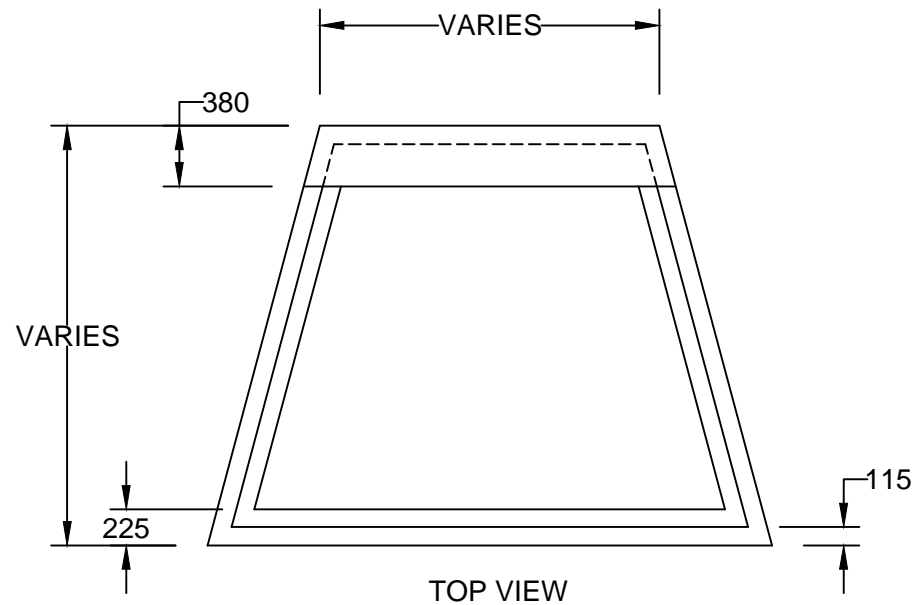
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SHEET 2 OF 5



# SECTION B



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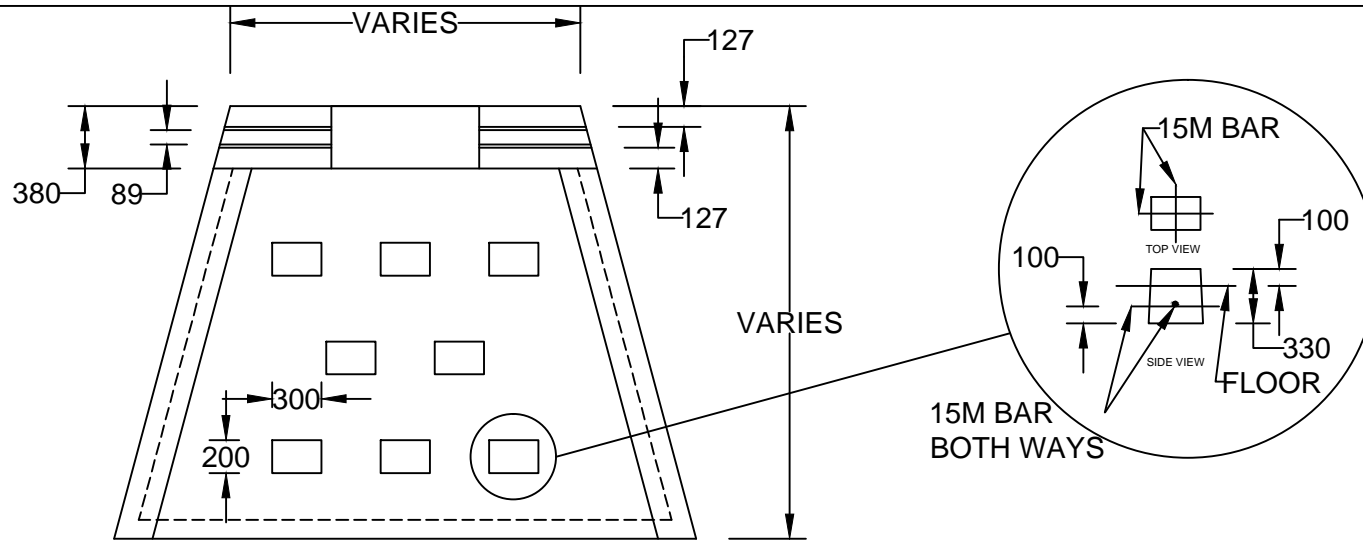
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DATE: 03/19/13

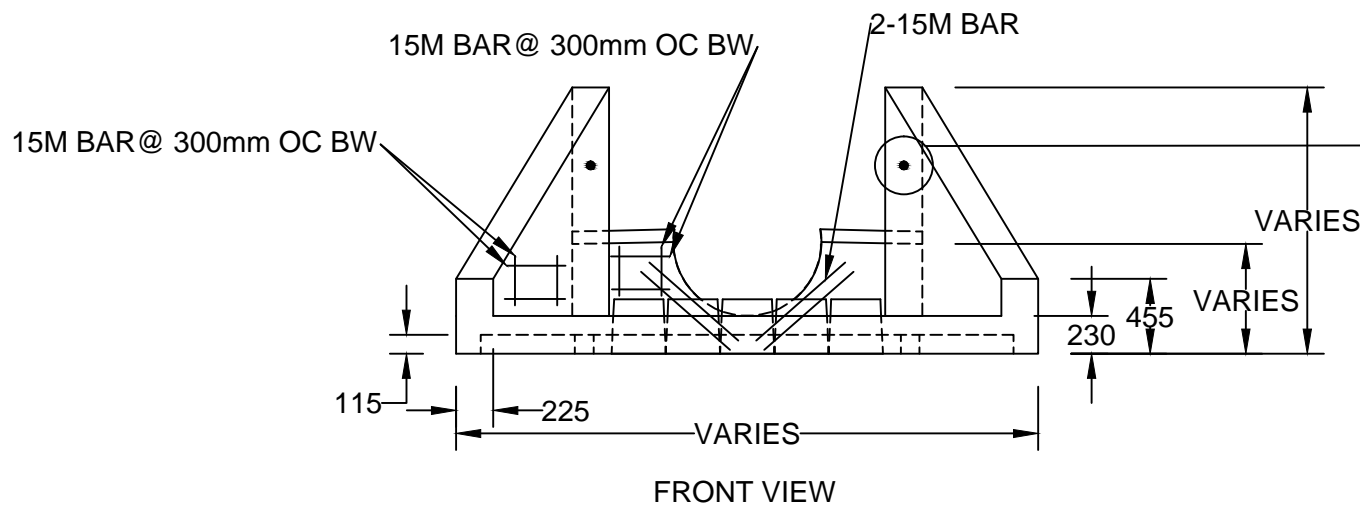
SHEET 3 OF 5



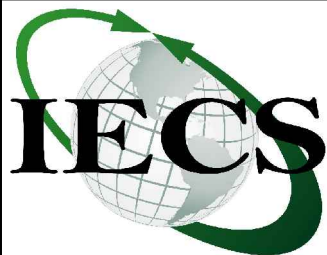
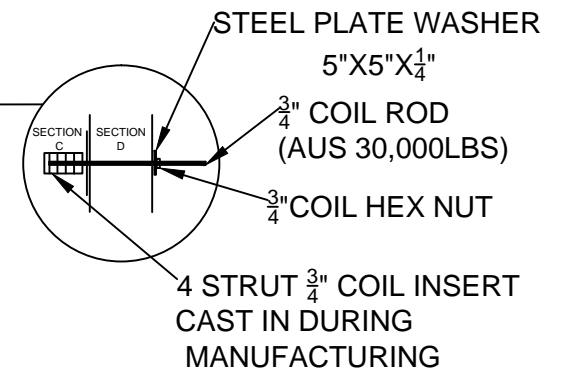
## SECTION C



TOP VIEW



### CONNECTING HARDWARE



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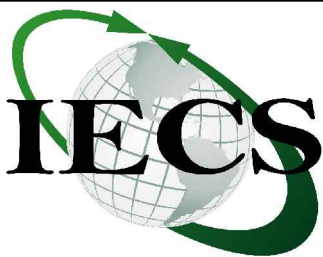
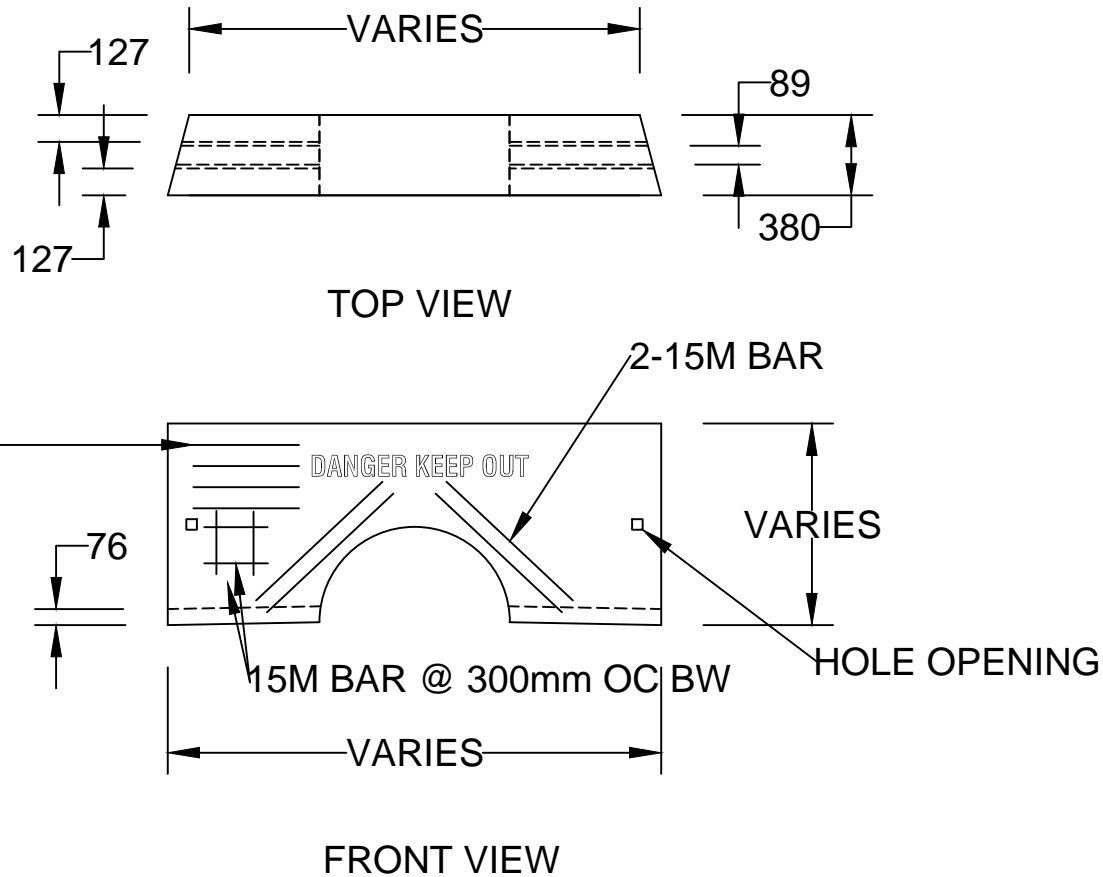
L. ARVAI

SCALE: N.T.S

DATE: 03/19/13

SHEET 4 OF 5

## SECTION D



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SCALE: N.T.S

DATE: 03/19/13

SHEET 5 OF 5