

Job Name: 25-3310 - Mammoth Cave NP-MACA 12
Job Location: Mammoth Cave , KY
Contractor: Phillips Brothers

Plant: 100

5/5/2026 5:08:11 PM

Tech: J. Horsley - F

PC: C. Goff



Structure ID: ICAST LI40

P1 BX60120-06W06F-FTVF

BOX BASE 6inW, 6inF, Variable Ht F/n

- P3) 24" - CASTING HEIGHT - 7"
P2) 60" x 120" - CB FLAT TOP 6"W w/(2) 24" HOLES (Grease Trap) - 8"
P1) 60" x 120" - BOX BASE 6inW, 6inF, Variable Ht - 72"
2) CASTING - HOE MC-315 F/C Grease
1) 60" x 70" - BAFFLE WALL (GT-1000 GAL.) - 4"
1) SECONDARY POUR - WALLS
1) 60" x 120" - Con Seal CS-102 1.00"
3) Hole - 8

0 lb
6076 lb
18629 lb
516 lb
1372 lb
0 lb
0 lb
0 lb

Structure Total: 26593 lb

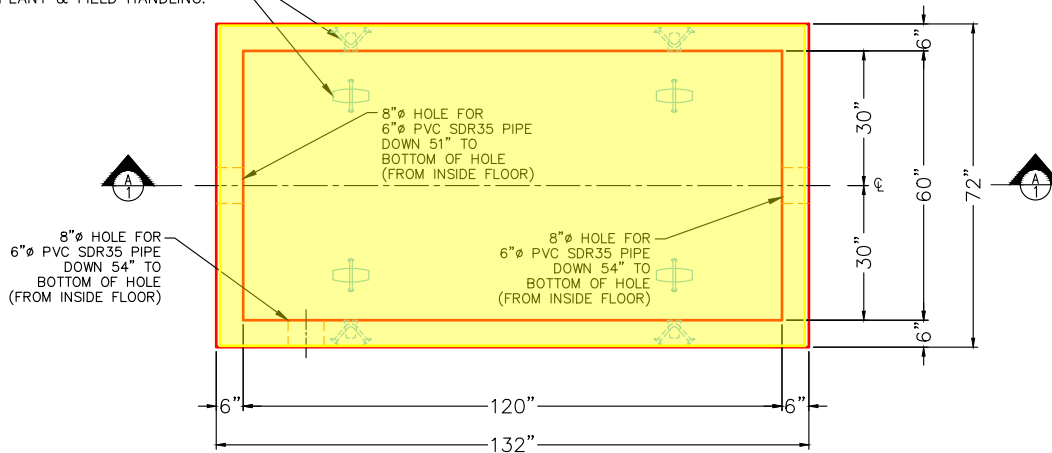
Structure Notes:

1. PER ASTM C-890-13 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. NO STEPS AND NO FLOW CHANNEL.
4. HOE MC-315 F/C GREASE - SHIPPED LOOSE.
5. THIRD POUR REQ'D - BAFFLE WALL.

REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .47) #5 BARS AT 8" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

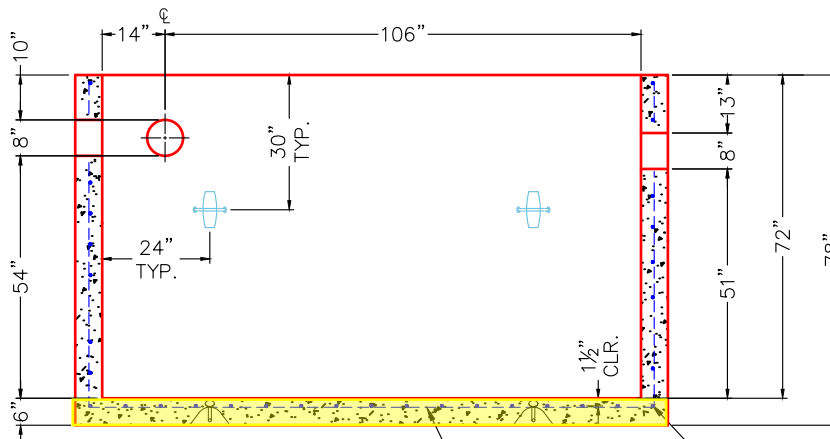
Rim: 7.25' Rim to Invert: 2.91' Slack: 0" Sump: 52.08" Step Position:

4 EA. CONAC 6CA18 ANCHORS
CAST IN EACH SECTION AS SHOWN
FOR PLANT & FIELD HANDLING.



PLAN VIEW
(RIGHTSIDE-UP)

FIRST POUR DRAWING



NOTES:

1. PER ASTM C-890-13 LATEST REVISION.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. REINFORCING PER ASTM A615 (GRADE 60). (H-20 TRAFFIC RATED DESIGN)
4. SEALED WITH 1" CS-102 (DOUBLE). (6 EA. 14.5' ROLLS REQ'D.)
5. POUR BASE, THEN POUR INTERIOR BAFFLE.
6. FIRST POUR (BASE SLAB) - 4,785 LBS
SECOND POUR (WALLS) - 13,844 LBS

SECTION A-A
(RIGHTSIDE-UP)

#5 BAR @ 8" C/C E.W.
1 1/2" CONCRETE COVER MIN.
(WALLS, TOP & FLOOR TYP.)
#5 L-BARS CAST
FOR WALL ATTACHMENT

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 72"
Height (Ext): 78"

Weight (Net): 18629 lb
Volume (Net): 4.76cu.yd

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2) CASTING - HOE MC-315 F/C Grease
1) 60" x 70" - BAFFLE WALL (GT-1000 GAL.) - 4"
1) SECONDARY POUR - WALLS
1) 60" x 120" - Con Seal CS-102 1.00"
3) Hole - 8"

0 lb
6076 lb
18629 lb
516 lb
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0 lb
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Structure Total: 26593 lb

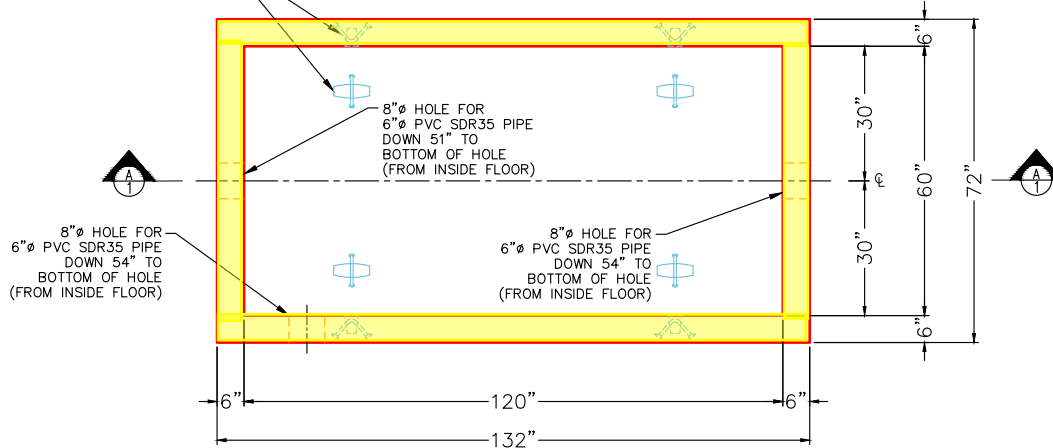
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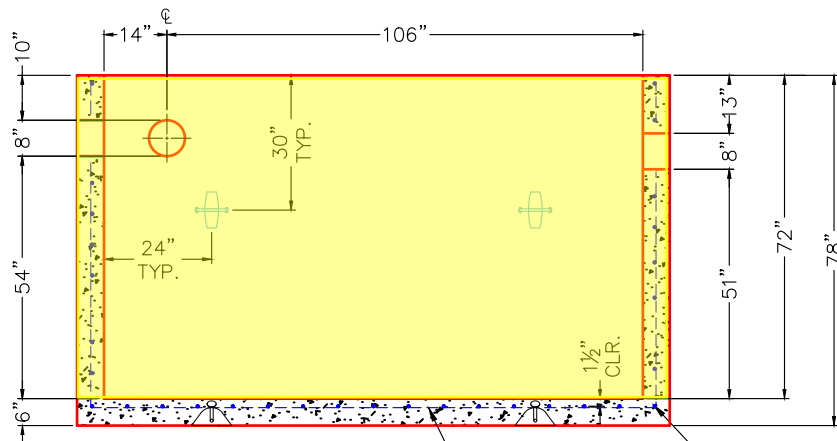
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PLAN VIEW
(RIGHTSIDE-UP)

SECOND POUR DRAWING



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(RIGHTSIDE-UP)

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(WALLS, TOP & FLOOR TYP.)
#5 L-BARS CAST
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SECOND POUR (WALLS) - 13,844 LBS

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Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

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Height (Ext): 78"

Weight (Net): 18629 lb
Volume (Net): 4.76cu.yd

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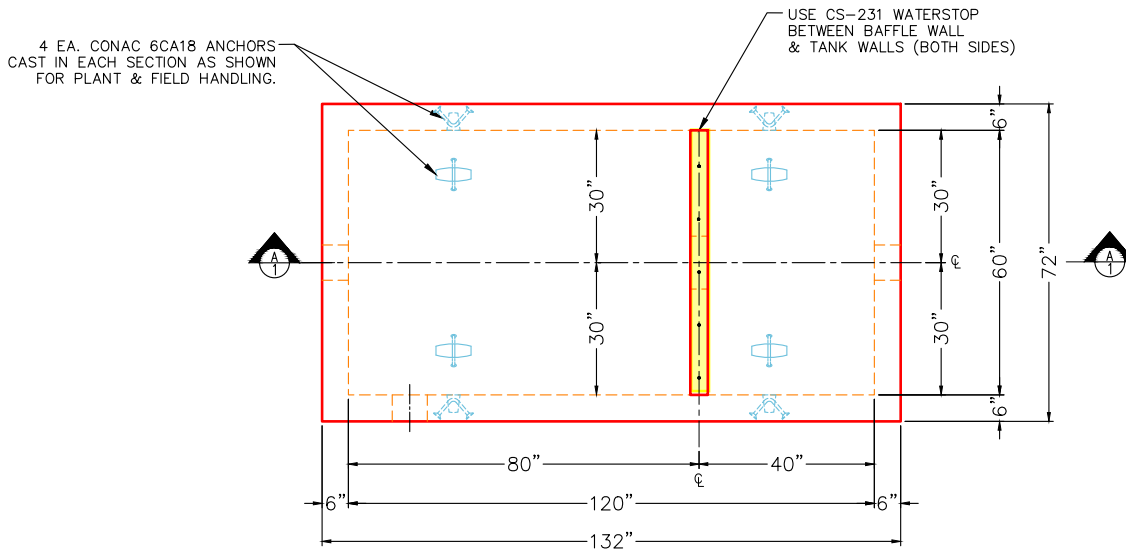
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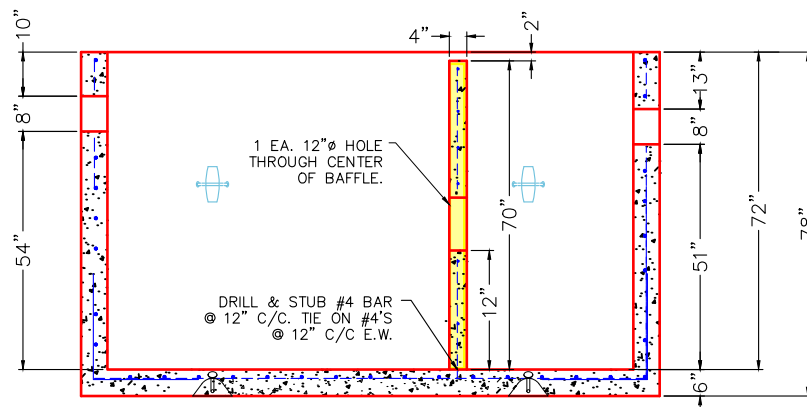
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PLAN VIEW
(RIGHTSIDE-DOWN)

THIRD POUR DRAWING



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5. POUR BASE, THEN POUR INTERIOR BAFFLE.
6. THIRD POUR (BAFFLE WALL) - 1,372 LBS

Coating (Int):
Coating (Ext):

Seam Up: Flat
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 6"

Height (Int): 72"
Height (Ext): 78"

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