

Project: **10k, 17k, 20k, & 27k GALLON SEPTIC TANKS -
12K, 14k, 24k to 26k GALLON EFFLUENT/UTILITY TANK
& KAST-POD SW-DRRTS**

Location: **KCP LOCKPORT**

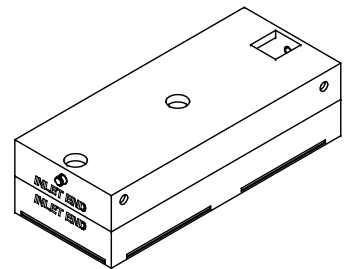
PRESENTATION PACKAGE 1

SHEET NO.

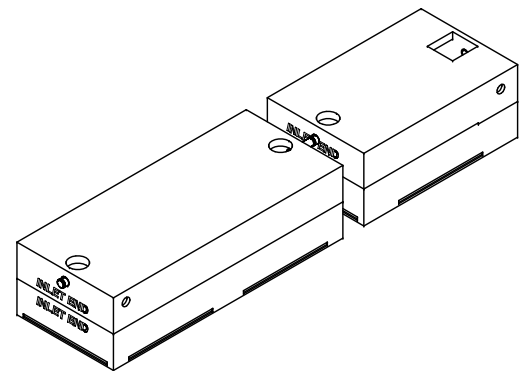
- P-1
- P-2
- P-3
- P-4
- P-5
- P-6

DESCRIPTION

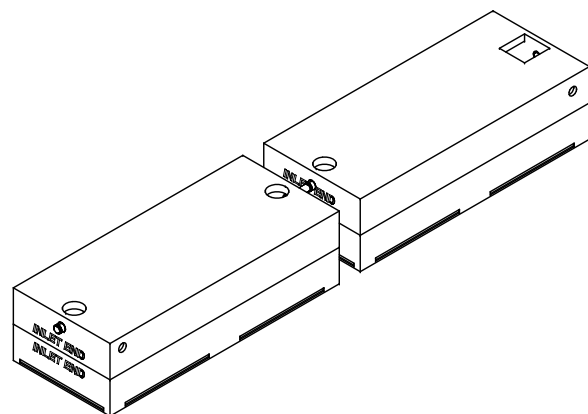
- SEPTIC TANK PRESENTATION TITLE SHEET & INDEX
- 10,000 GALLON SEPTIC TANK PRESENTATION DETAILS
- 17,000 GALLON SEPTIC TANK PRESENTATION DETAILS
- 20,000 GALLON 5050 SEPTIC TANK PRESENTATION DETAILS
- 20,000 GALLON 6633 SEPTIC TANK PRESENTATION DETAILS
- 27,000 GALLON SEPTIC TANK PRESENTATION DETAILS



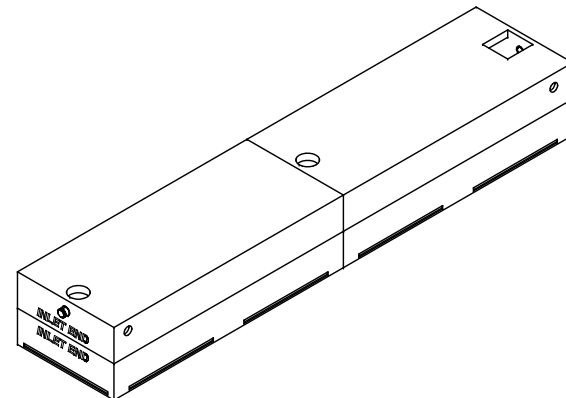
10K - SEPTIC TANK
(OUTSIDE DIMENSIONS:
27'-4"L x 11'-6"W x 7'-6"H)



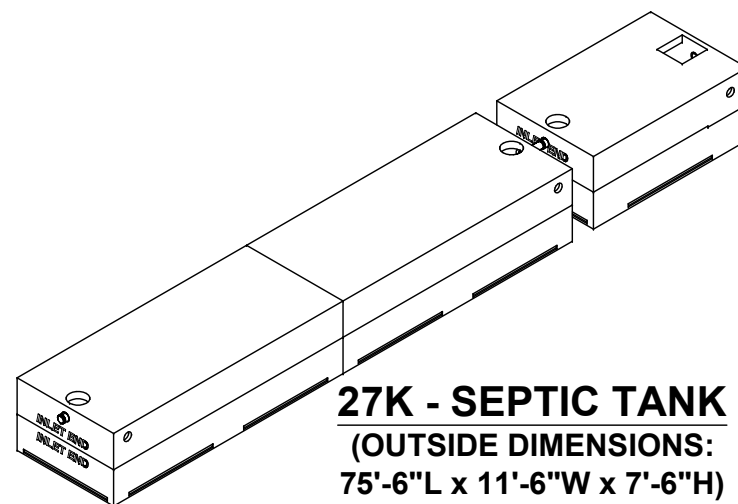
17K - SEPTIC TANK
(OUTSIDE DIMENSIONS:
48'-2"L x 11'-6"W x 7'-6"H)



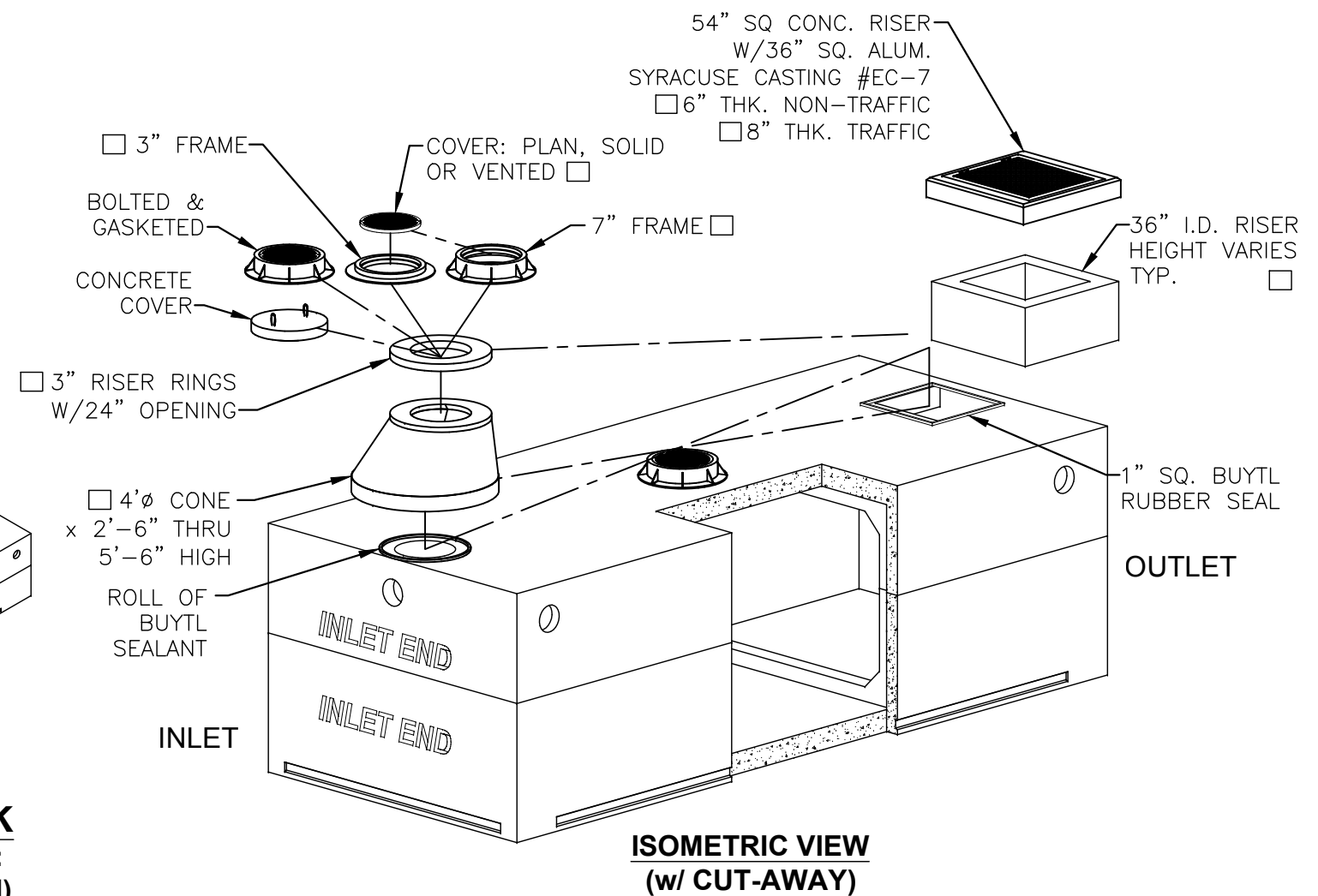
20K-5050 - SEPTIC TANK
(OUTSIDE DIMENSIONS:
57'-2"L x 11'-6"W x 7'-6"H)



20K-66-33 - SEPTIC TANK
(OUTSIDE DIMENSIONS:
54'-8"L x 11'-6"W x 7'-6"H)



27K - SEPTIC TANK
(OUTSIDE DIMENSIONS:
75'-6"L x 11'-6"W x 7'-6"H)

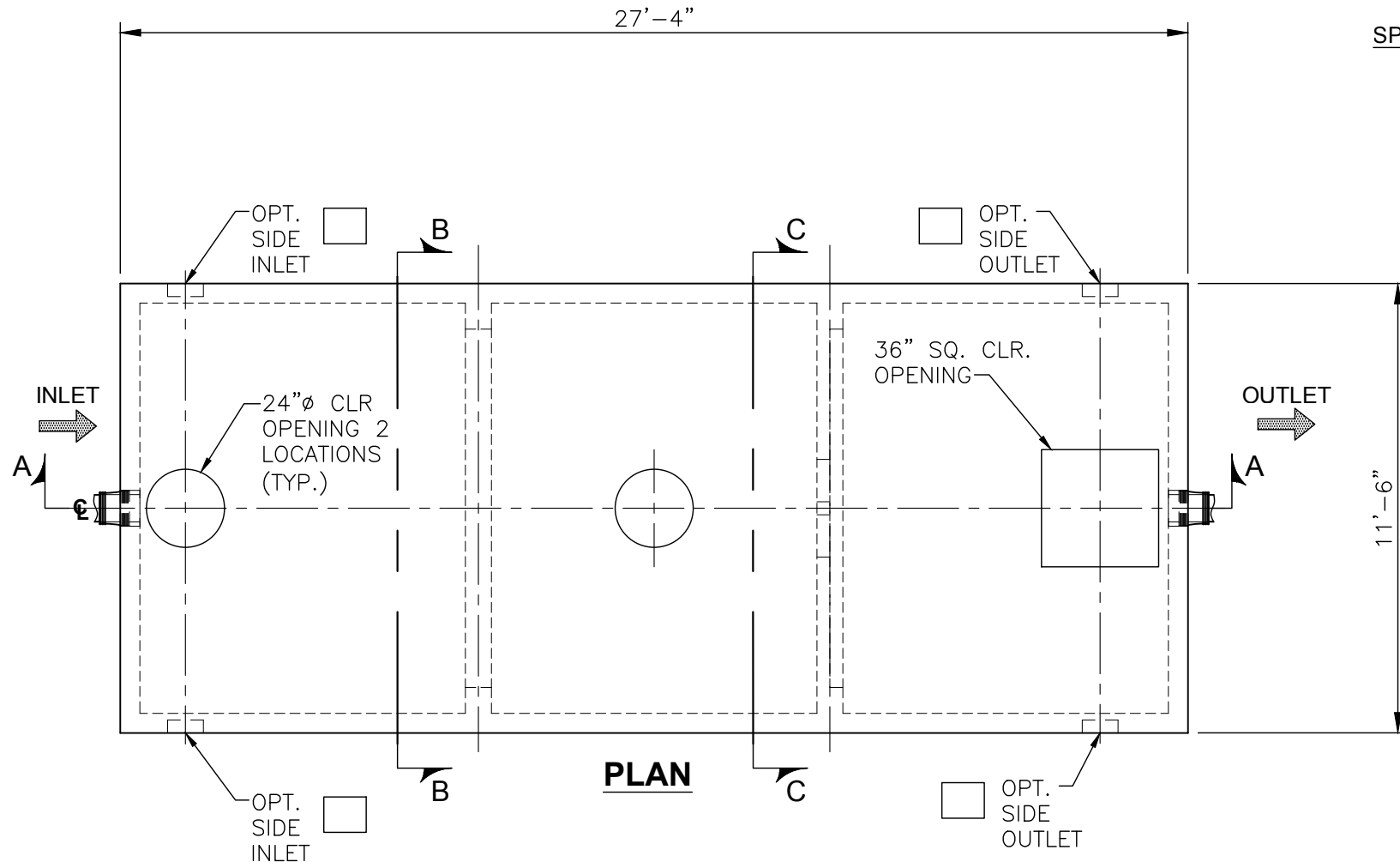


MASTER - PRES.

L:\CADD\PRODUCTS\SQUARE AND RECTANGULAR STRUCTURES\VAULTS\10K - SEPTIC TANK

| | | | | | | | | | | |
|--|--|------|-------------|------------------------|-------------------------|--|-------------------------|---|--|--------------------------|
| | 5550 HINMAN ROAD LOCKPORT, NEW YORK 14094 PHONE 716-434-6157 | | 1 | 1/16/19 | PER D.E.C. 2014 | DRAWN BY: MAT | DATE: 1/18/19 | PROJECT: 10K TO 26K SEPTIC / EFFLUENT / UTILITY TANKS - PRESENTATION WORKBOOK | SHEET TITLE: SEPTIC TANK PRESENTATION TITLE & INDEX | SHEET NO.: P-1 |
| | REV. NO. | DATE | DESCRIPTION | CK'D BY: MJK | SCALE: N.T.S. | FILE NAME: 10k-26k ST-EFF TANK-SW_R6 | | | | |

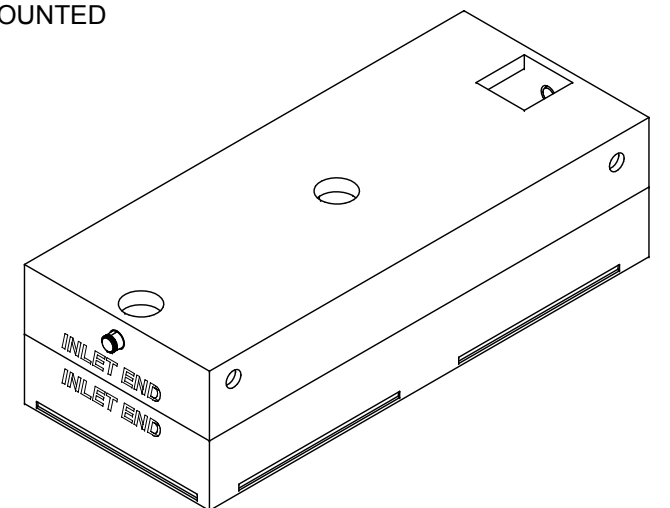
27'-4"



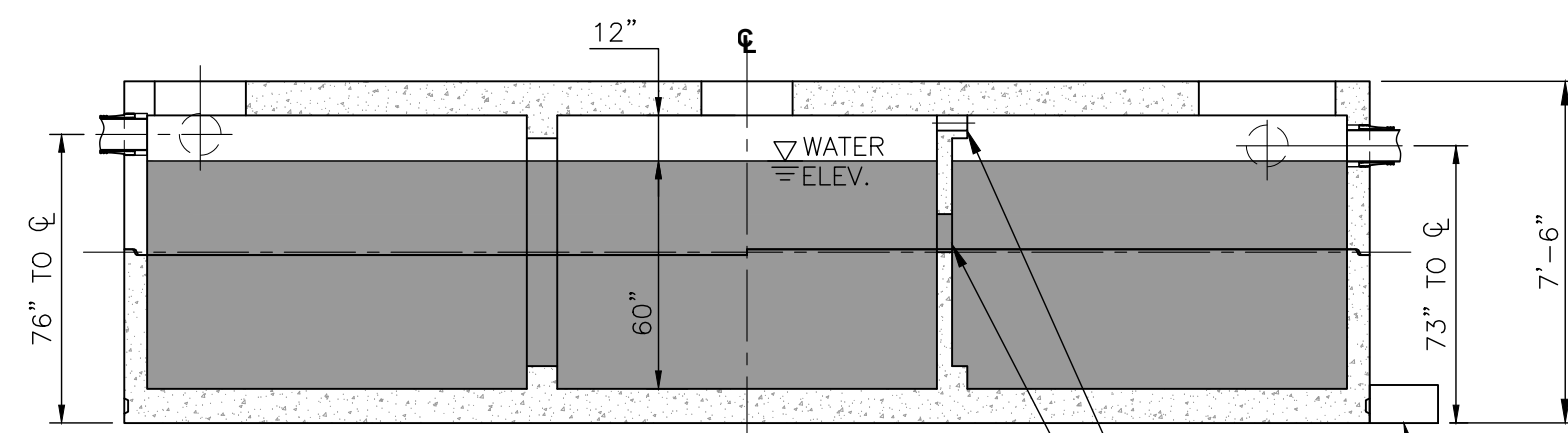
PLAN

SPECIFICATIONS:
CONCRETE: 5,000 PSI @ 28 DAYS
ENTRAINED AIR: 5%-9%
STEEL: ASTM A496-A615 GRADE 60-60 KSI.
DESIGN LOADING: AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 30 PCF. 6 FT. OF FILL OVER TOP OF TANK.
FLOATATION FORCES: WATER TABLE 3 FT. DOWN FROM GRADE. FLOATATION FORCES NOT ACCOUNTED FOR.
WEIGHTS: TOP: 53,200 LBS
 BOTTOM: 55,000 LBS
 TOTAL: 108,200 LBS

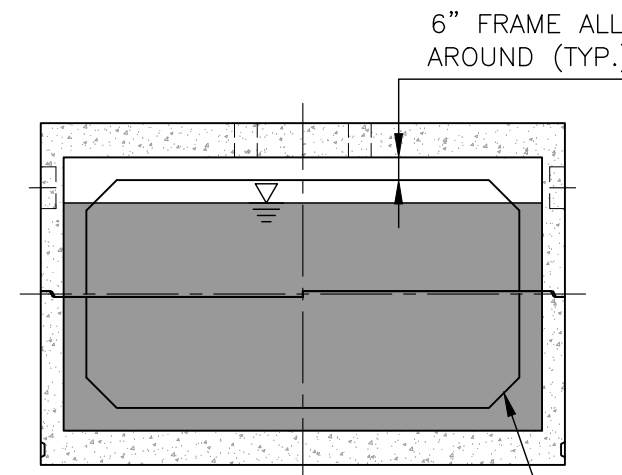
| DISTANCE FROM FLOOR TO HOLE INVERT | | GALLONAGE |
|------------------------------------|--------|-----------|
| INLET | OUTLET | |
| 63" | 60" | 10,000 |



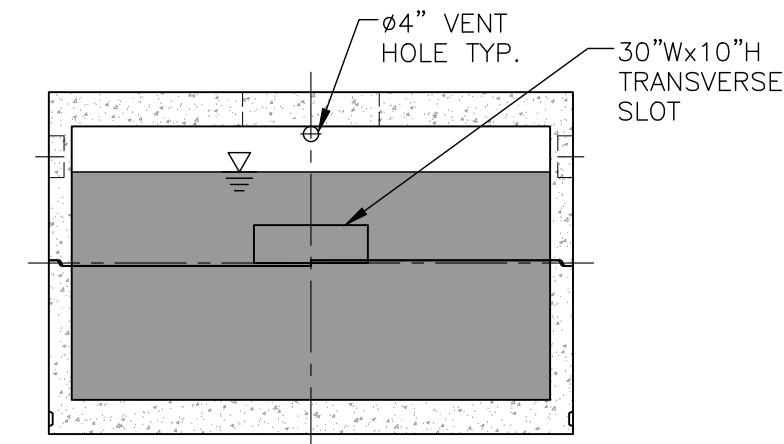
TANK ISOMETRIC



SECTION A-A



SECTION B-B



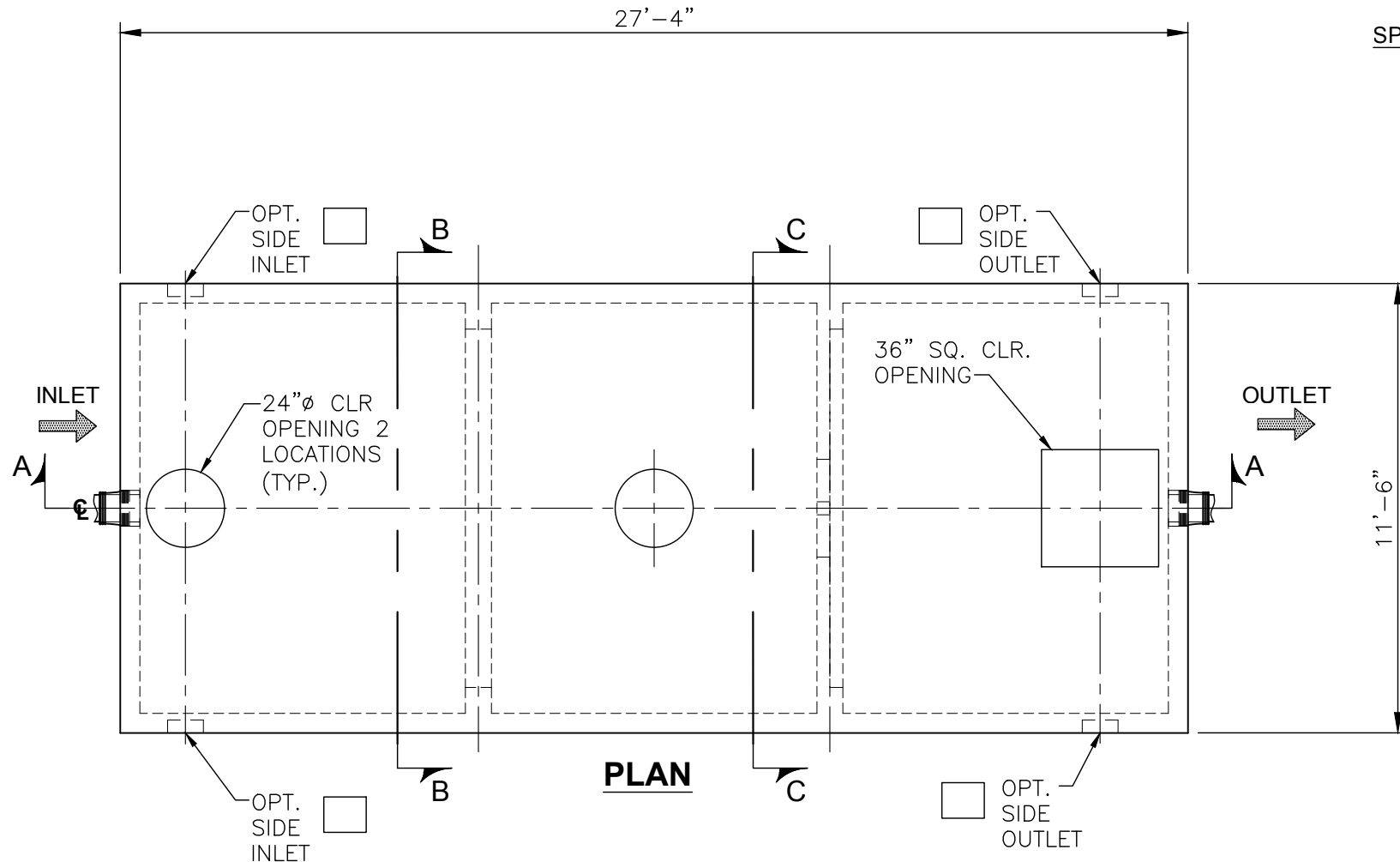
SECTION C-C

Ø4" VENT HOLE TYP.
 30"Wx10"H TRANSVERSE SLOT

A CAST IN PLACE FLANGE WILL BE REQUIRED TO RESIST UPLIFT (C.I.P. - BY G.C. IN FIELD). CONTACT OUR SALES & ENGINEERING DEPARTMENT TO REVIEW THE JOB SPECIFIC REQUIREMENTS

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27'-4"



SPECIFICATIONS:

CONCRETE: 5,000 PSI @ 28 DAYS

ENTRAINED AIR: 5%-9%

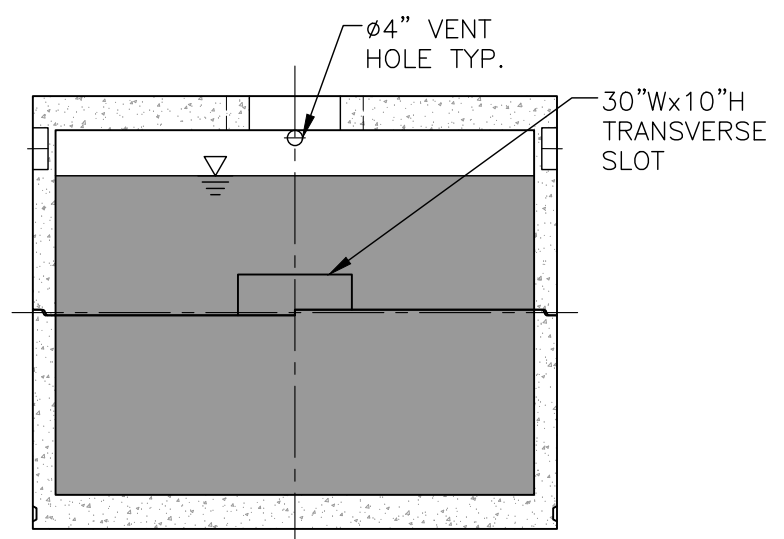
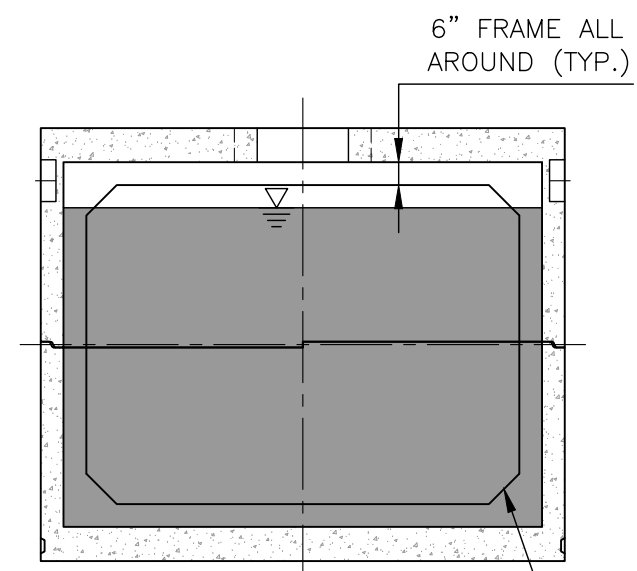
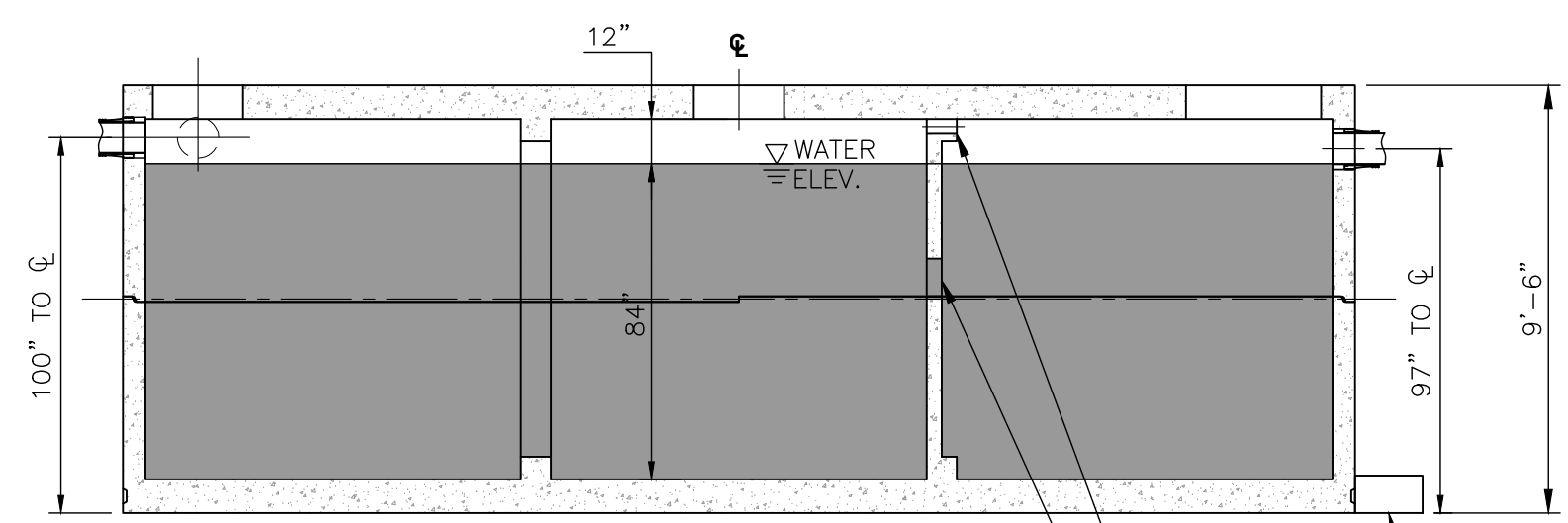
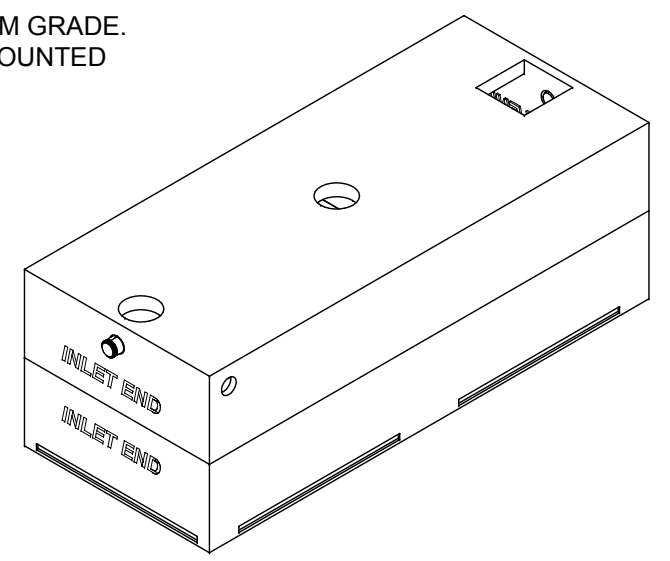
STEEL: ASTM A496-A615 GRADE 60-60 KSI.

DESIGN LOADING: AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 30 PCF. 6 FT. OF FILL OVER TOP OF TANK.

FLOATATION FORCES: WATER TABLE 3 FT. DOWN FROM GRADE. FLOATATION FORCES NOT ACCOUNTED FOR.

WEIGHTS: TOP: 56,000 LBS
BOTTOM: 58,000 LBS
TOTAL: 114,000 LBS

| DISTANCE FROM FLOOR TO HOLE INVERT | | GALLONAGE |
|------------------------------------|--------|-----------|
| INLET | OUTLET | |
| 87" | 84" | 14,000 |



Ø4" VENT HOLE TYP.

30"Wx10"H TRANSVERSE SLOT

A CAST IN PLACE FLANGE WILL BE REQUIRED TO RESIST UPLIFT (C.I.P. - BY G.C. IN FIELD). CONTACT OUR SALES & ENGINEERING DEPARTMENT TO REVIEW THE JOB SPECIFIC REQUIREMENTS

| REV. NO. | DATE | DESCRIPTION |
|----------|------|-------------|
| | | |

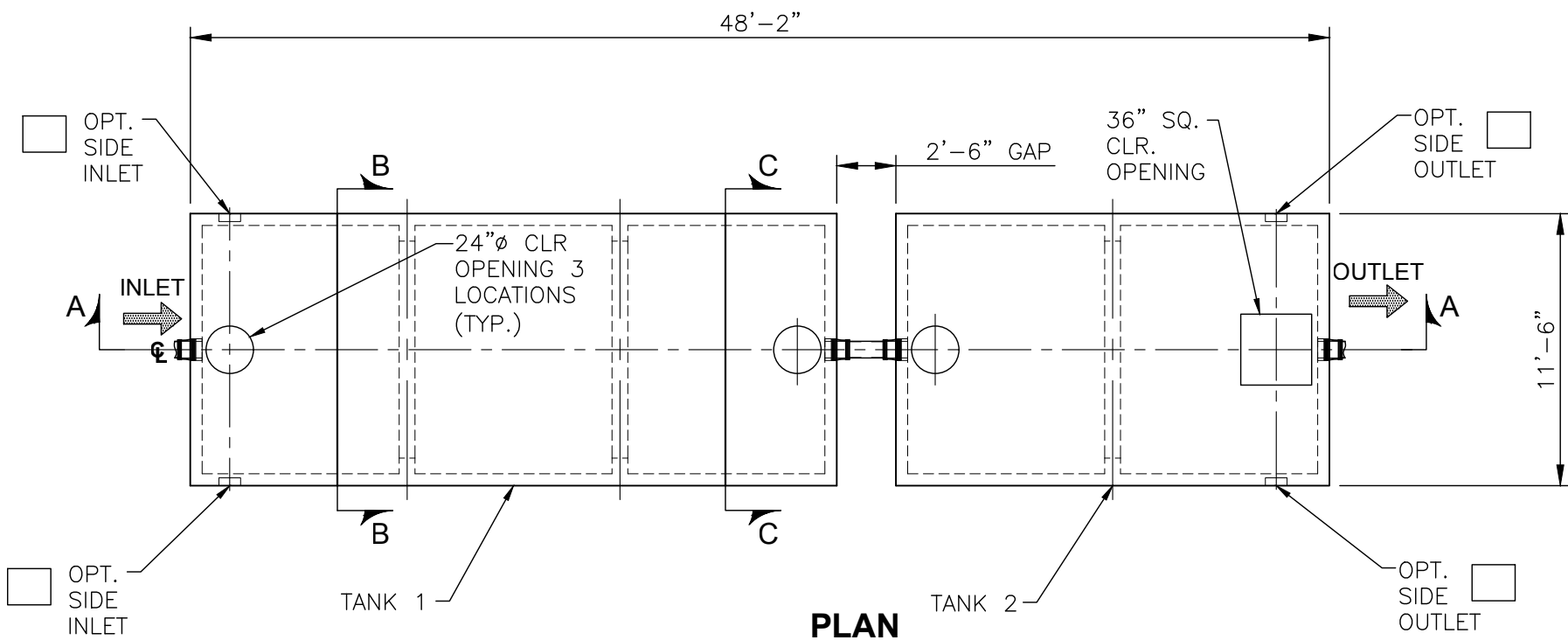
DRAWN BY: **MAT**
DATE: **1/18/19**
CK'D BY: **MJK**
SCALE: **N.T.S.**

PROJECT: **10K TO 26K SEPTIC / EFFLUENT / UTILITY TANKS - PRESENTATION WORKBOOK**

SHEET TITLE: **ST-14,000 GAL. SEPTIC TANK
DETAIL PRESENTATION SHEET**

SHEET NO: **P-2A**
FILE NAME: **10k-26k ST-EFF TANK-SW_R6**

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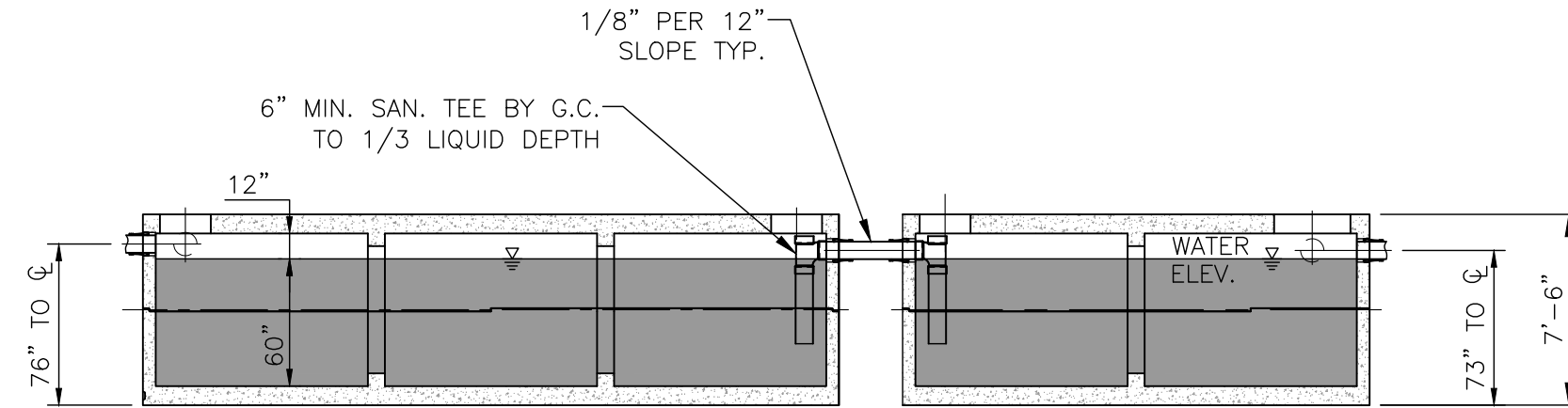


PLAN

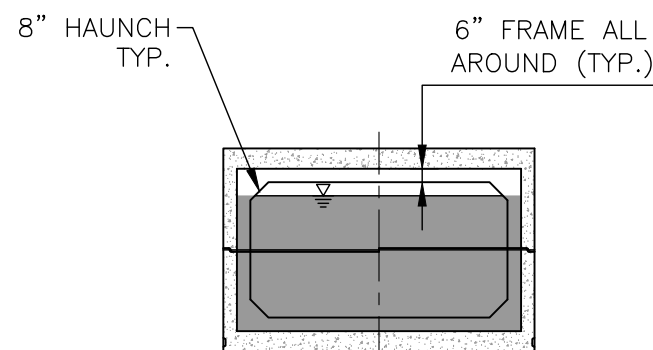
| DISTANCE FROM FLOOR TO HOLE INVERT | | GALLONAGE |
|------------------------------------|--------|-----------|
| INLET | OUTLET | |
| 63" | 60" | 17,000 |

- SPECIFICATIONS:**
- CONCRETE: 5,000 PSI @ 28 DAYS
 - ENTRAINED AIR: 5%-9%
 - STEEL: ASTM A496-A615 GRADE 60-60 KSI.
 - DESIGN LOADING: AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 30 PCF. 6 FT. OF FILL OVER TOP OF TANK.
 - FLOATATION FORCES: WATER TABLE 3 FT. DOWN FROM GRADE. FLOATATION FORCES NOT ACCOUNTED FOR.
 - WEIGHTS:

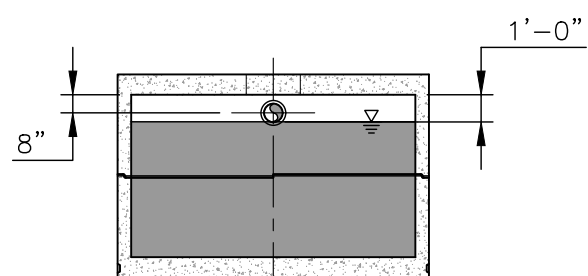
| | |
|----------------|--------------------|
| TANK 1 TOP: | 53,100 LBS |
| TANK 1 BOTTOM: | 53,900 LBS |
| TANK 2 TOP: | 35,900 LBS |
| TANK 2 BOTTOM: | 37,400 LBS |
| TOTAL: | 180,300 LBS |



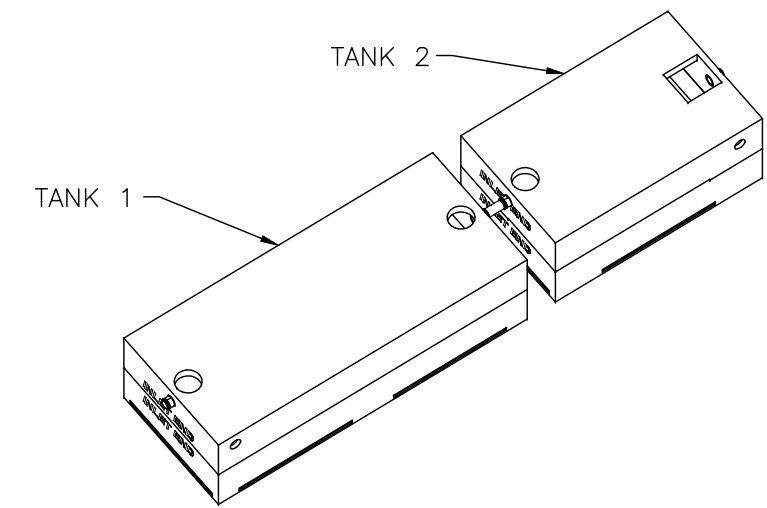
SECTION A-A



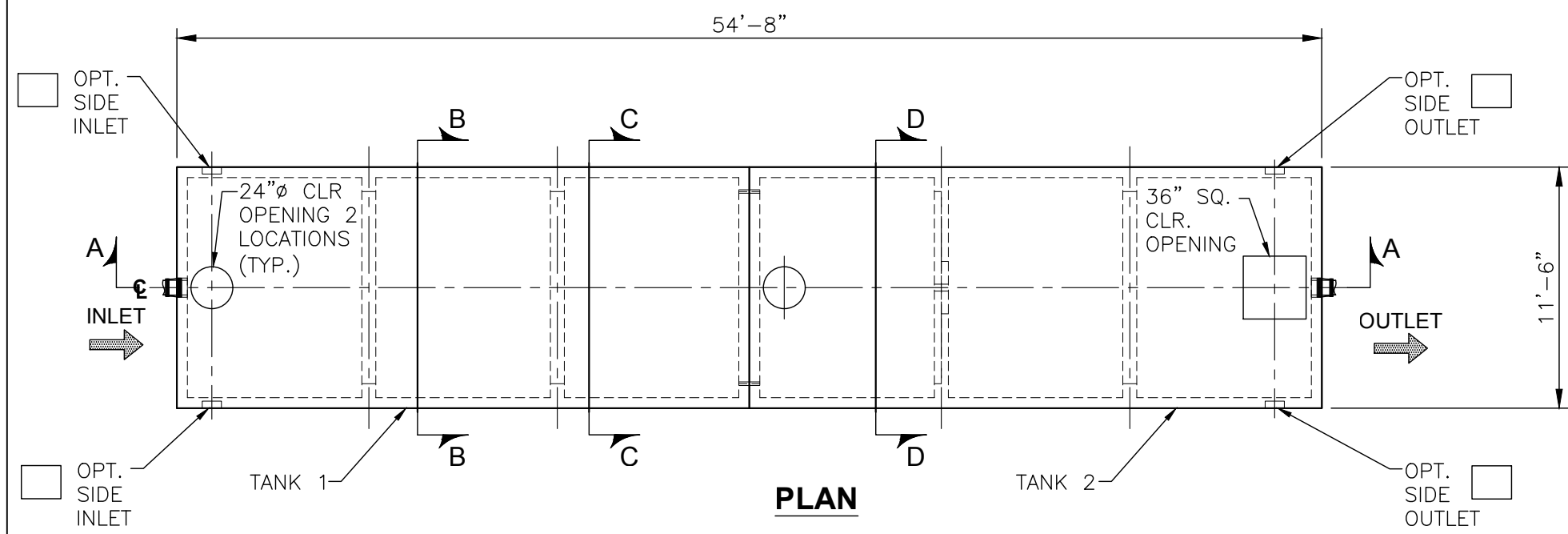
SECTION B-B



SECTION C-C



TANK ISOMETRIC



| DISTANCE FROM FLOOR TO HOLE INVERT | | GALLONAGE |
|------------------------------------|--------|-----------|
| INLET | OUTLET | |
| 63" | 60" | 20,000 |

SPECIFICATIONS:

CONCRETE: 5,000 PSI @ 28 DAYS

ENTRAINED AIR: 5%-9%

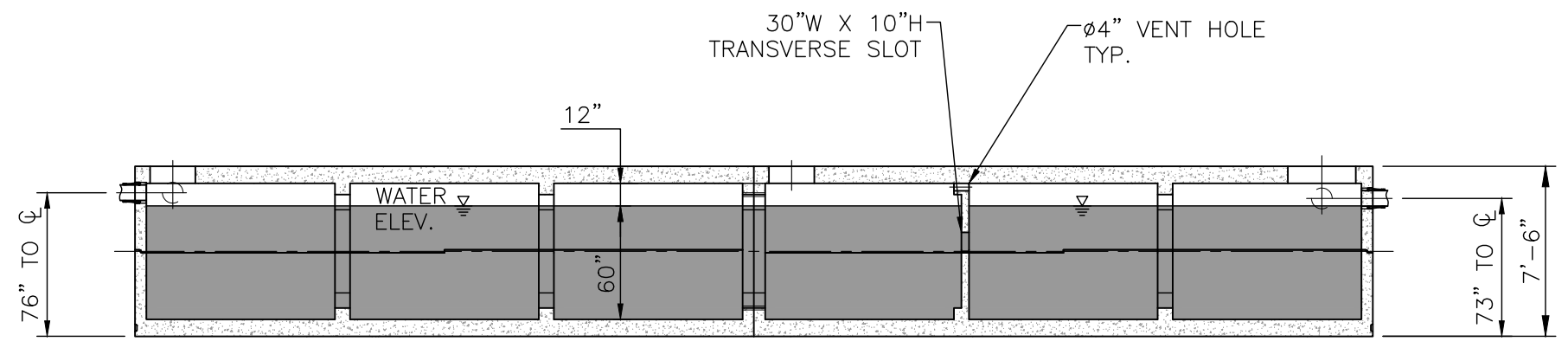
STEEL: ASTM A496-A615 GRADE 60-60 KSI.

DESIGN LOADING: AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 30 PCF. 6 FT. OF FILL OVER TOP OF TANK.

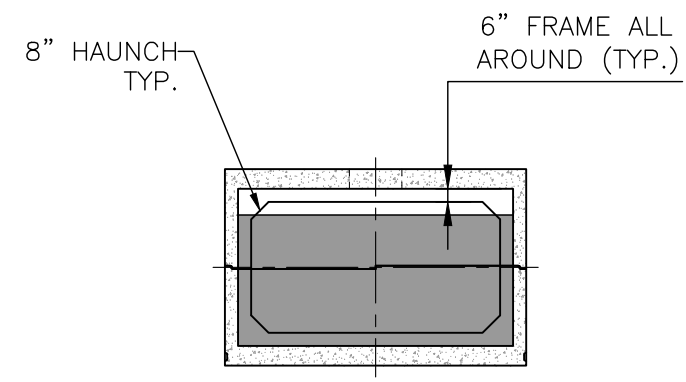
FLOATATION FORCES: WATER TABLE 3 FT. DOWN FROM GRADE. FLOATATION FORCES NOT ACCOUNTED FOR.

WEIGHTS:

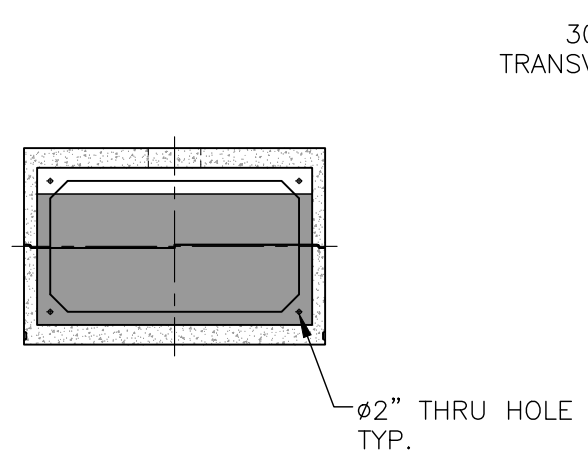
| | |
|----------------|--------------------|
| TANK 1 TOP: | 51,500 LBS |
| TANK 1 BOTTOM: | 52,100 LBS |
| TANK 2 TOP: | 51,700 LBS |
| TANK 2 BOTTOM: | 53,100 LBS |
| TOTAL: | 208,400 LBS |



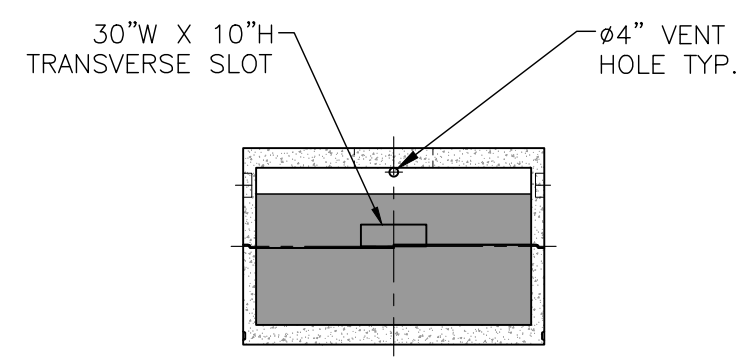
SECTION A-A



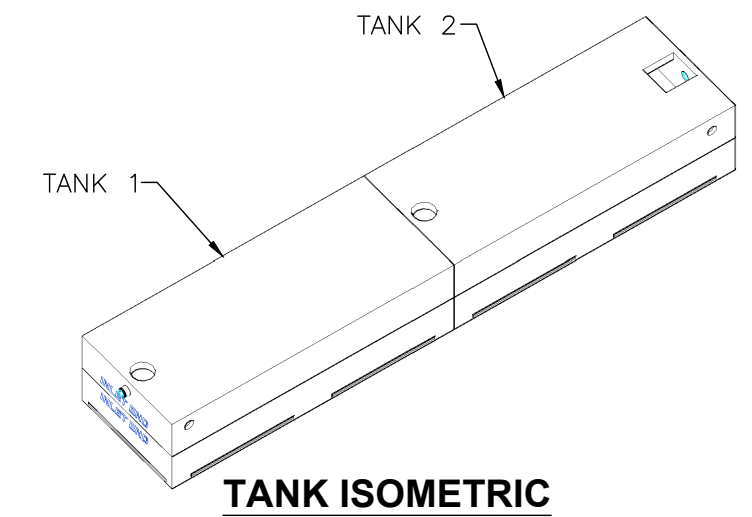
SECTION B-B



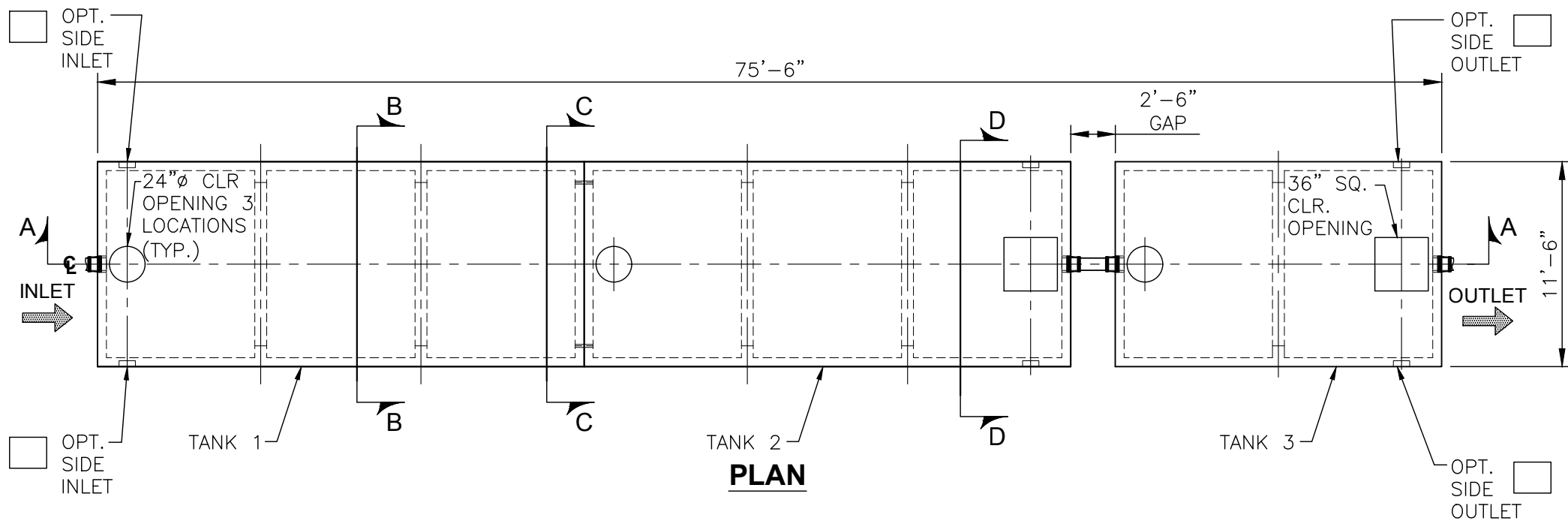
SECTION C-C



SECTION D-D



TANK ISOMETRIC



| DISTANCE FROM FLOOR TO HOLE INVERT | | GALLONAGE |
|------------------------------------|--------|-----------|
| INLET | OUTLET | |
| 63" | 60" | 27,000 |

SPECIFICATIONS:

CONCRETE: 5,000 PSI @ 28 DAYS

ENTRAINED AIR: 5%-9%

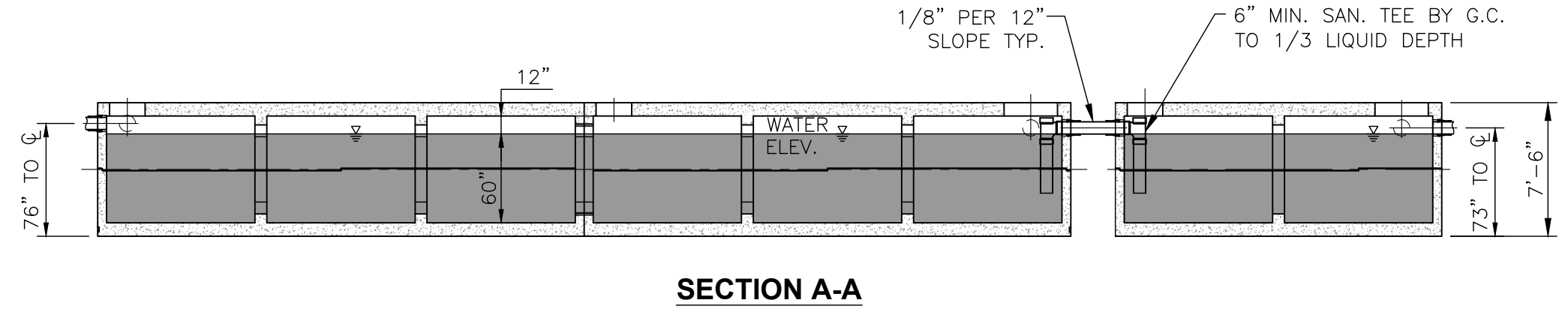
STEEL: ASTM A496-A615 GRADE 60-60 KSI.

DESIGN LOADING: AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 30 PCF. 6 FT. OF FILL OVER TOP OF TANK.

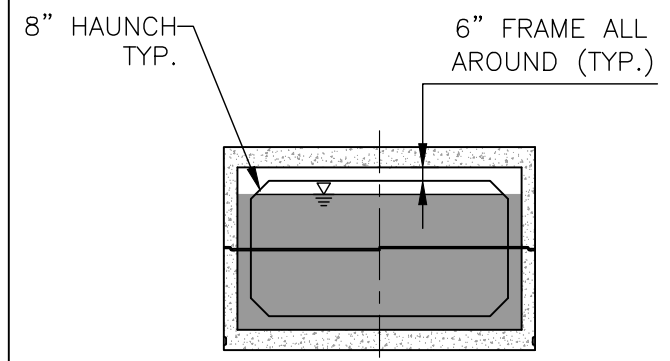
FLOATATION FORCES: WATER TABLE 3 FT. DOWN FROM GRADE. FLOATATION FORCES NOT ACCOUNTED FOR.

WEIGHTS:

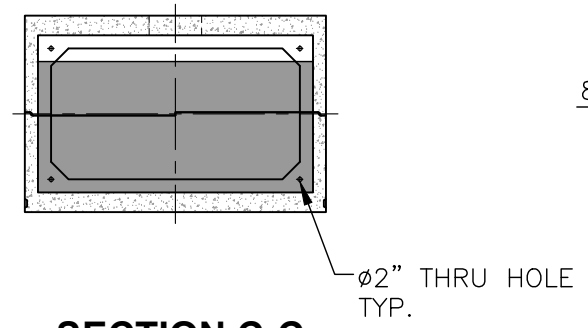
| | |
|----------------|--------------------|
| TANK 1 TOP: | 51,500 LBS |
| TANK 1 BOTTOM: | 52,100 LBS |
| TANK 2 TOP: | 51,500 LBS |
| TANK 2 BOTTOM: | 52,100 LBS |
| TANK 3 TOP: | 35,900 LBS |
| TANK 3 BOTTOM: | 37,400 LBS |
| TOTAL: | 280,500 LBS |



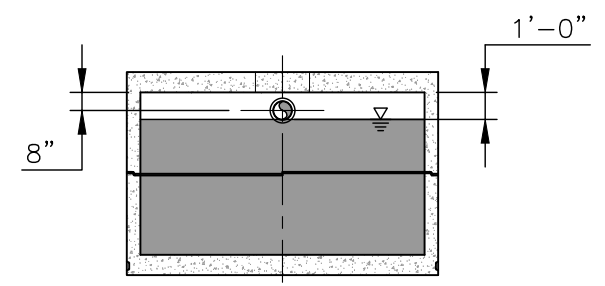
SECTION A-A



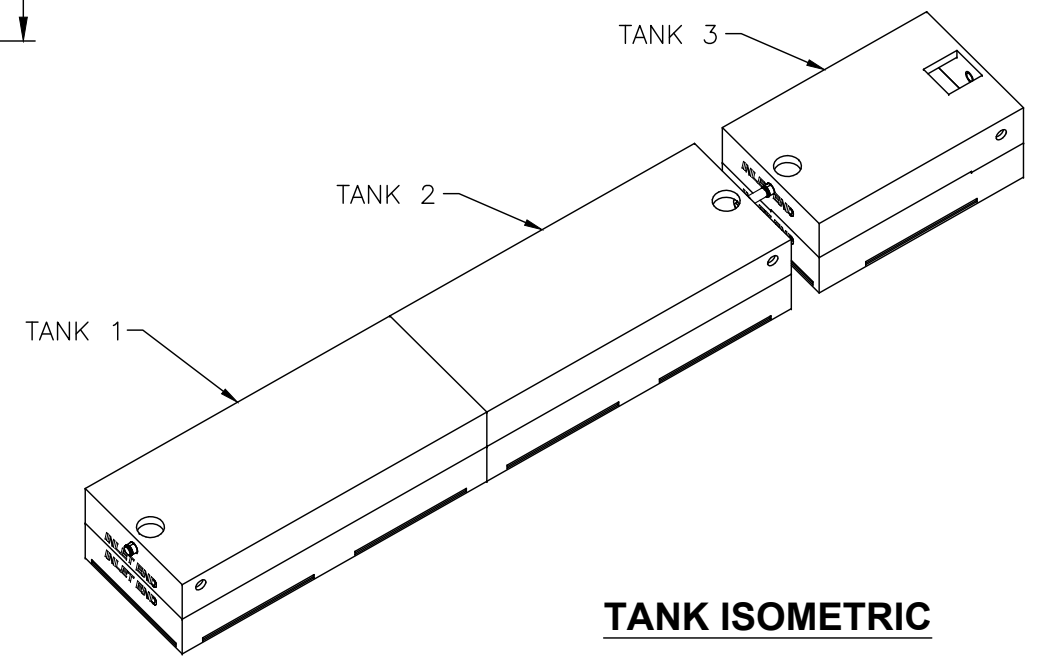
SECTION B-B



SECTION C-C



SECTION D-D



TANK ISOMETRIC