

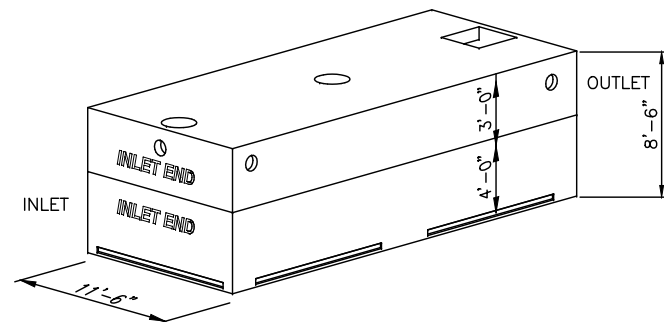
Project: **10k, 17k, 20k, & 27k GALLON SEPTIC TANKS -  
12K, 14k, 24k to 26k GALLON EFFLUENT/UTILITY TANK  
& KAST-POD SW-DRRTS**

Location: **KCP LOCKPORT**

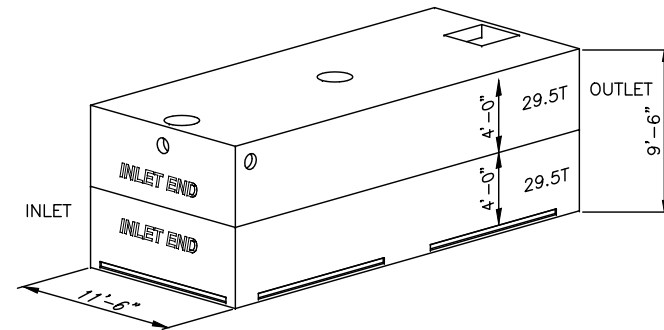
# PRESENTATION PACKAGE 2

**PRESENTATION PACKAGE  
SHEET NO. DESCRIPTION**

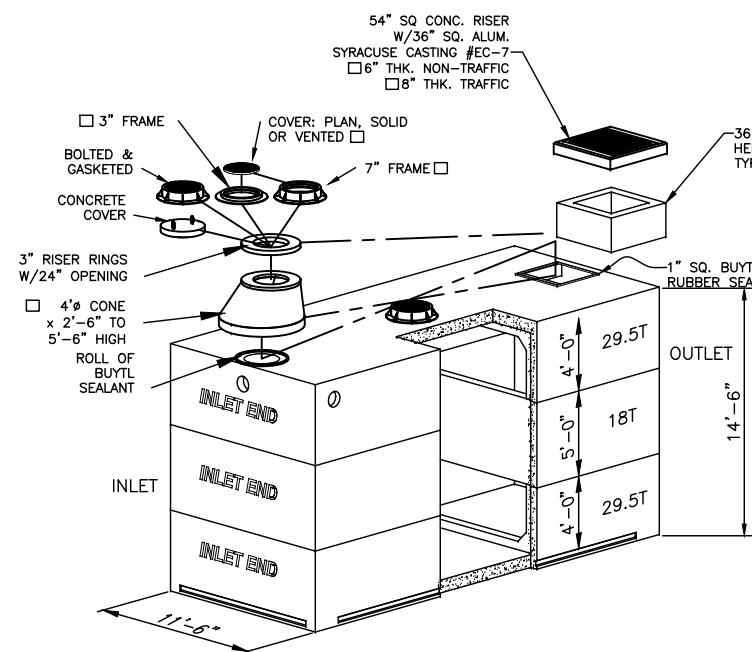
P-7	EFF. / UTILITY & KAST-POD PRESENTATION TITLE SHEET & INDEX
P-8	12,000 GALLON EFFLUENT / UTILITY PRESENTATION DETAILS
P-9	14,000 GALLON EFFLUENT / UTILITY PRESENTATION DETAILS
P-10	24,000 GALLON EFFLUENT / UTILITY PRESENTATION DETAILS
P-11	26,000 GALLON EFFLUENT / UTILITY PRESENTATION DETAILS
P-12	KAST-POD SW-DRRTS - TOP SECTION PRESENTATION DETAILS
P-13	KAST-POD SW-DRRTS - TANK PRESENTATION DETAILS
P-14	8,000 GALLON CONTAINMENT TANK PRESENTATION DETAILS
P-15	CAST IN PLACE BOUYANCY COLLAR PRESENTATION DETAILS
P-16	FIELD LIFT DETAILS
P-17	KAST-POD BUILDING MODULE DETAILS 1
P-17A	KAST-POD BUILDING MODULE DETAILS 2
P-18	GRAVITY GREASE INTERCEPTOR DETAILS - 10K-27K
P-19	GRAVITY GREASE INTERCEPTOR DETAILS - 12K-26K



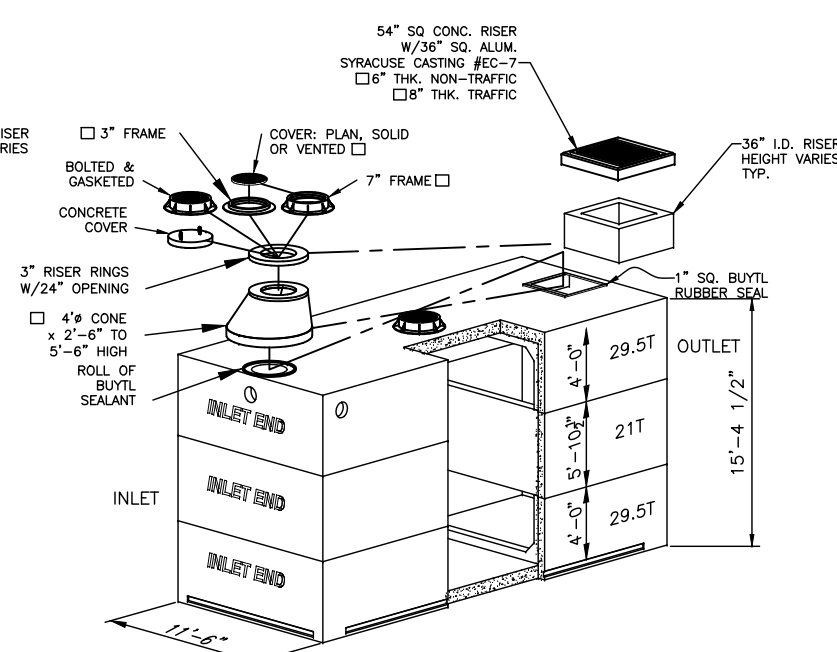
**12K - EFFLUENT / UTILITY TANK**  
(OUTSIDE DIMENSIONS:  
27'-4"L x 11'-6"W x 8'-6"H)



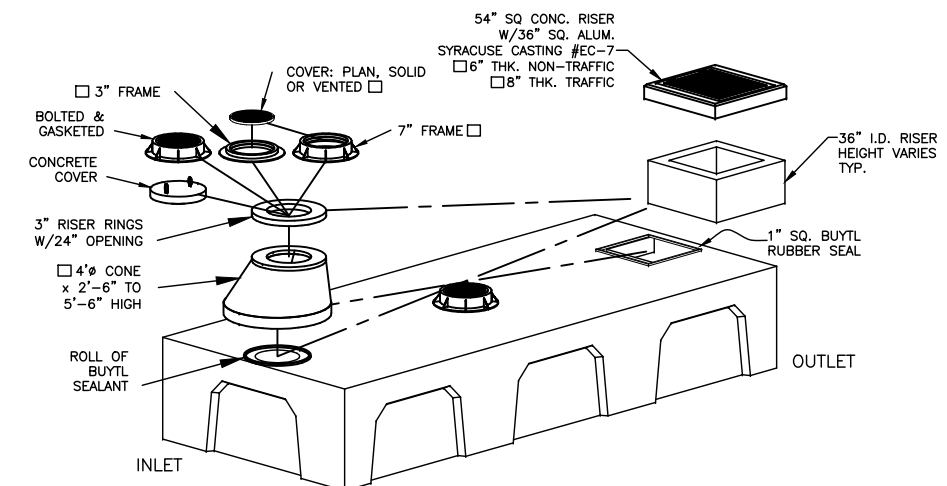
**14K - EFFLUENT / UTILITY TANK**  
(OUTSIDE DIMENSIONS:  
27'-4"L x 11'-6"W x 9'-6"H)



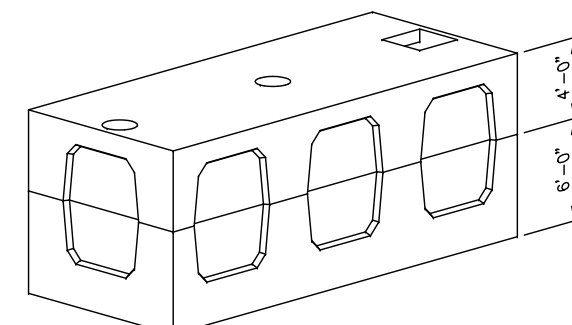
**24K - EFFLUENT / UTILITY TANK**  
(OUTSIDE DIMENSIONS:  
27'-4"L x 11'-6"W x 14'-6"H)



**26K - EFFLUENT / UTILITY TANK**  
(OUTSIDE DIMENSIONS:  
27'-4"L x 11'-6"W x 15'-4-1/2"H)



**KAST-POD SW-DRRTS STORMWATER SYSTEM  
DETENTION / RETENTION / RECHARGE / TSS SYSTEM**  
(27'-4"Lx11'-6"Wx4'-9"H O.D.)

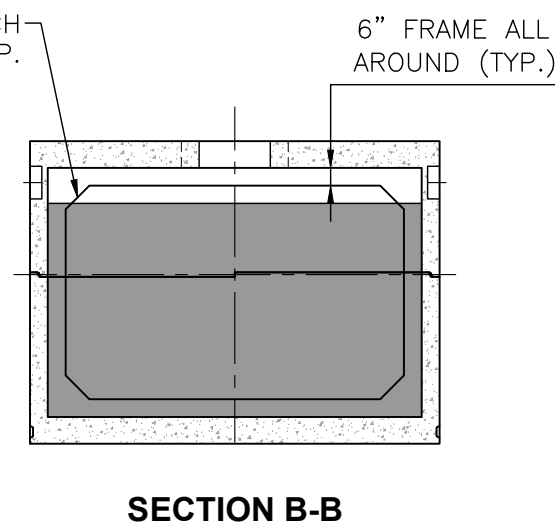
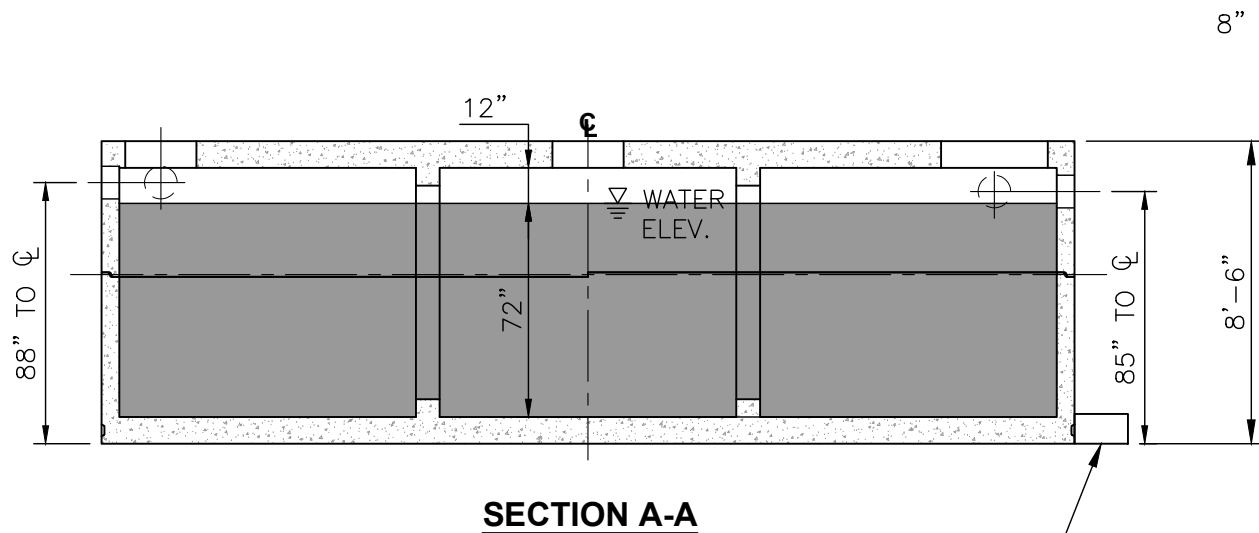
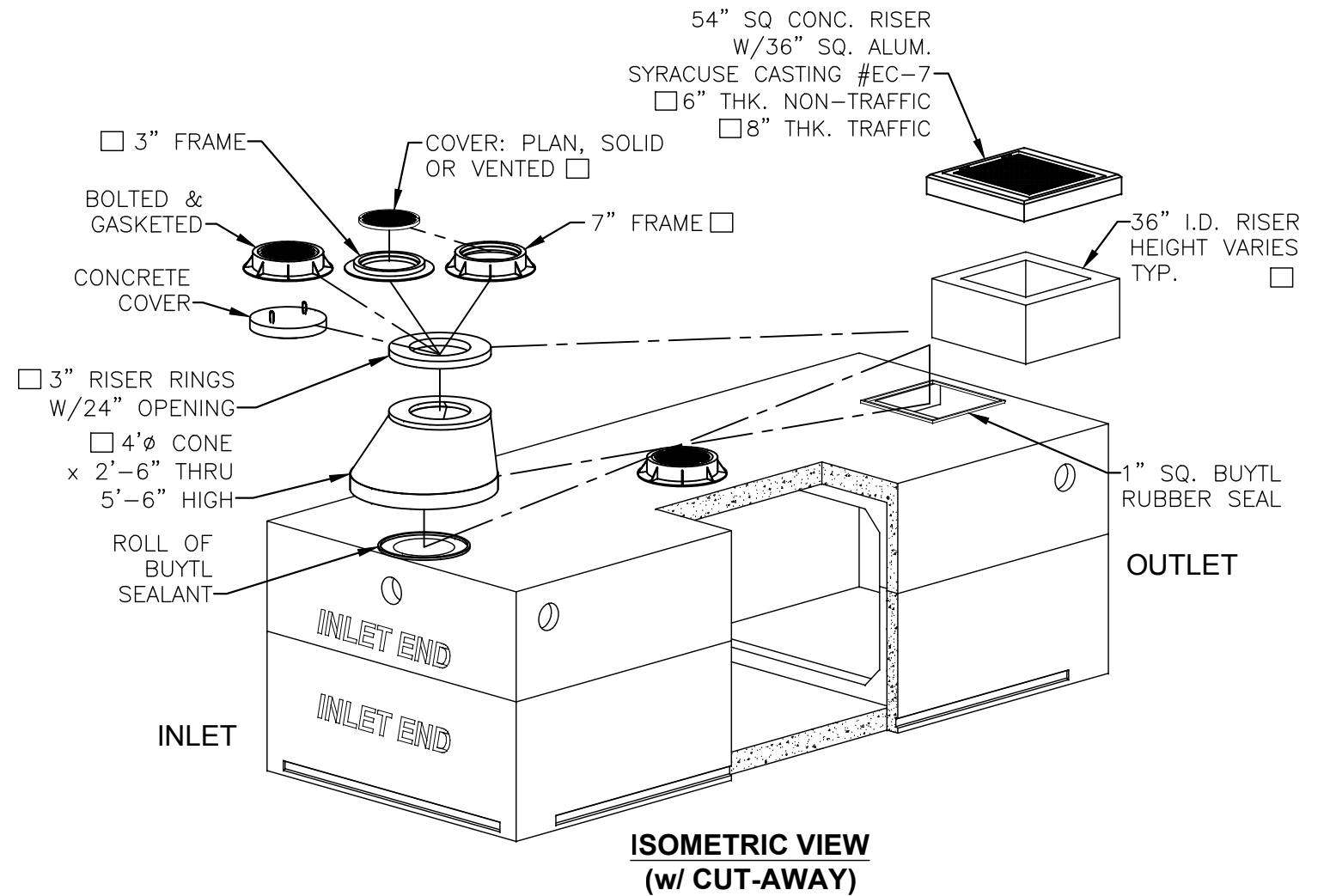
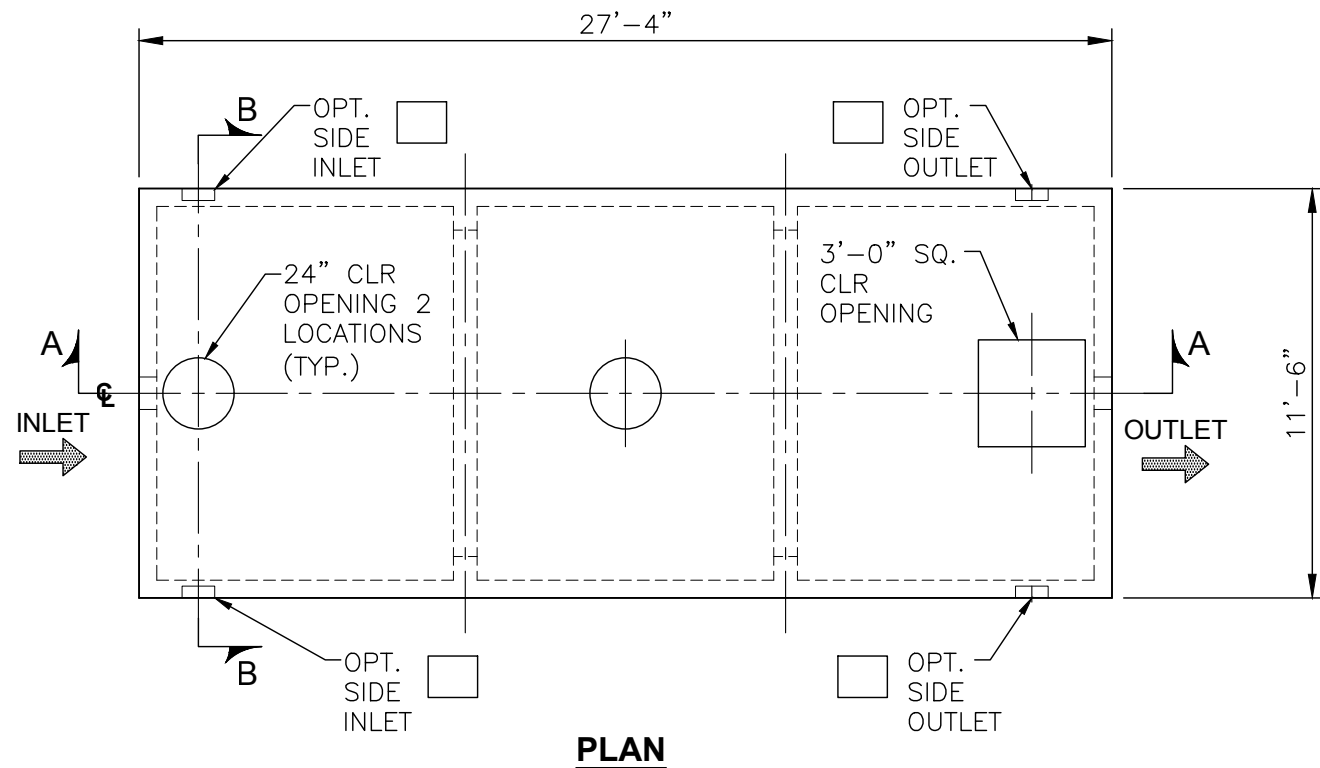


**KAST-POD SW-DRRTS STORMWATER SYSTEM**  
(27'-4"Lx11'-6"Wx10'-9"H O.D.)

MASTER - PRES.

L:\CADD\PRODUCTS\SQUARE AND RECTANGULAR STRUCTURES\VAULTS\10K-26K ST-EFF TANK WORKBOOK - PRESENTATION PACKAGE 2

	5550 HINMAN ROAD LOCKPORT, NEW YORK 14094 PHONE 716-434-6157	<b>1</b> REV. NO.	<b>1/16/19</b> DATE	<b>PER D.E.C. 2014</b> DESCRIPTION	DRAWN BY: <b>MAT</b>	DATE: <b>1/18/19</b>	PROJECT: <b>10K TO 26K SEPTIC / EFFLUENT / UTILITY TANKS - PRESENTATION WORKBOOK</b>	SHEET TITLE: <b>EFFLUENT / UTILITY &amp; KAST-POD PRESENTATION TITLE &amp; INDEX</b>	SHEET NO.: <b>P-7</b>
					CK'D BY: <b>MJK</b>	SCALE: <b>N.T.S.</b>			FILE NAME: <b>10k-26k ST-EFF TANK-SW_R6</b>



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

**SPECIFICATIONS:**  
 CONCRETE: 7,000 PSI @ 28 DAYS  
 ENTRAINED AIR: 5%-9%  
 STEEL: ASTM A496-A615 GRADE 60-60 KSI.

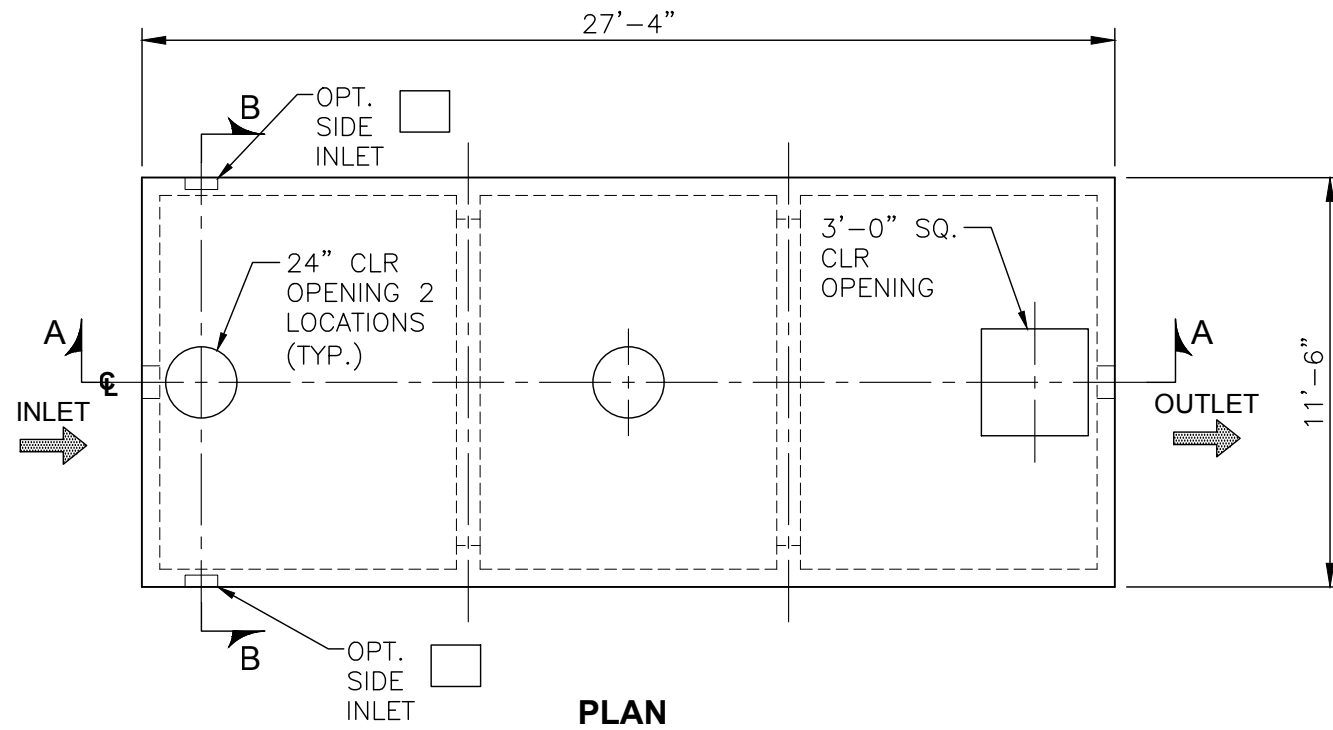
**DESIGN LOADING:**  
 AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 30 PCF.  
 6 FT. OF FILL OVER TOP OF TANK.

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

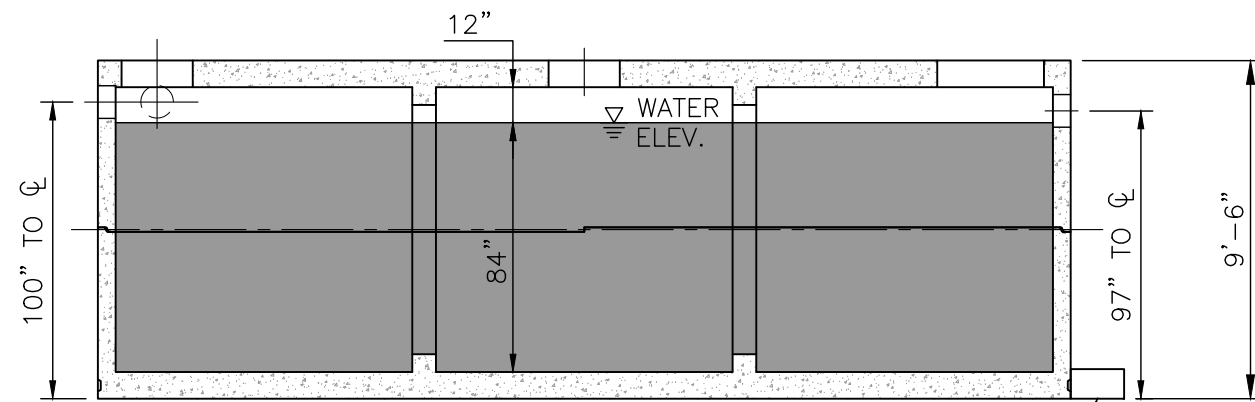
**WEIGHTS:**  
 TOP: 54,800 LBS  
 BOTTOM: 60,600 LBS  
 TOTAL: 115,400 LBS

DISTANCE FROM FLOOR TO HOLE INVERT		GALLONAGE
INLET	OUTLET	
75"	72"	12,000

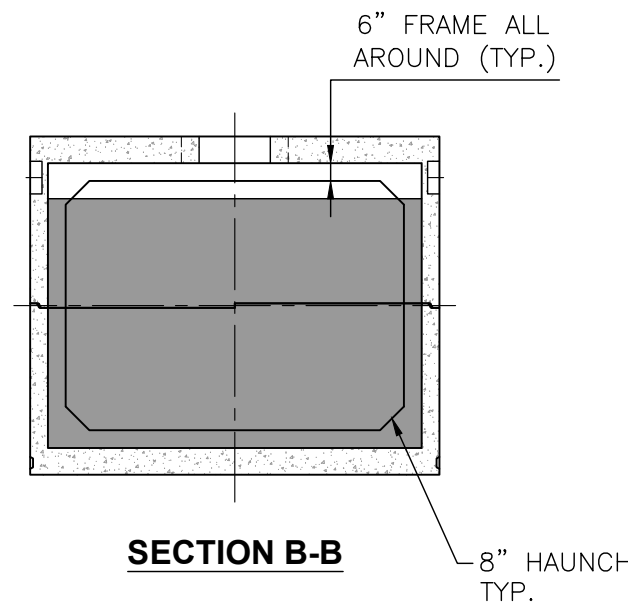
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**PLAN**

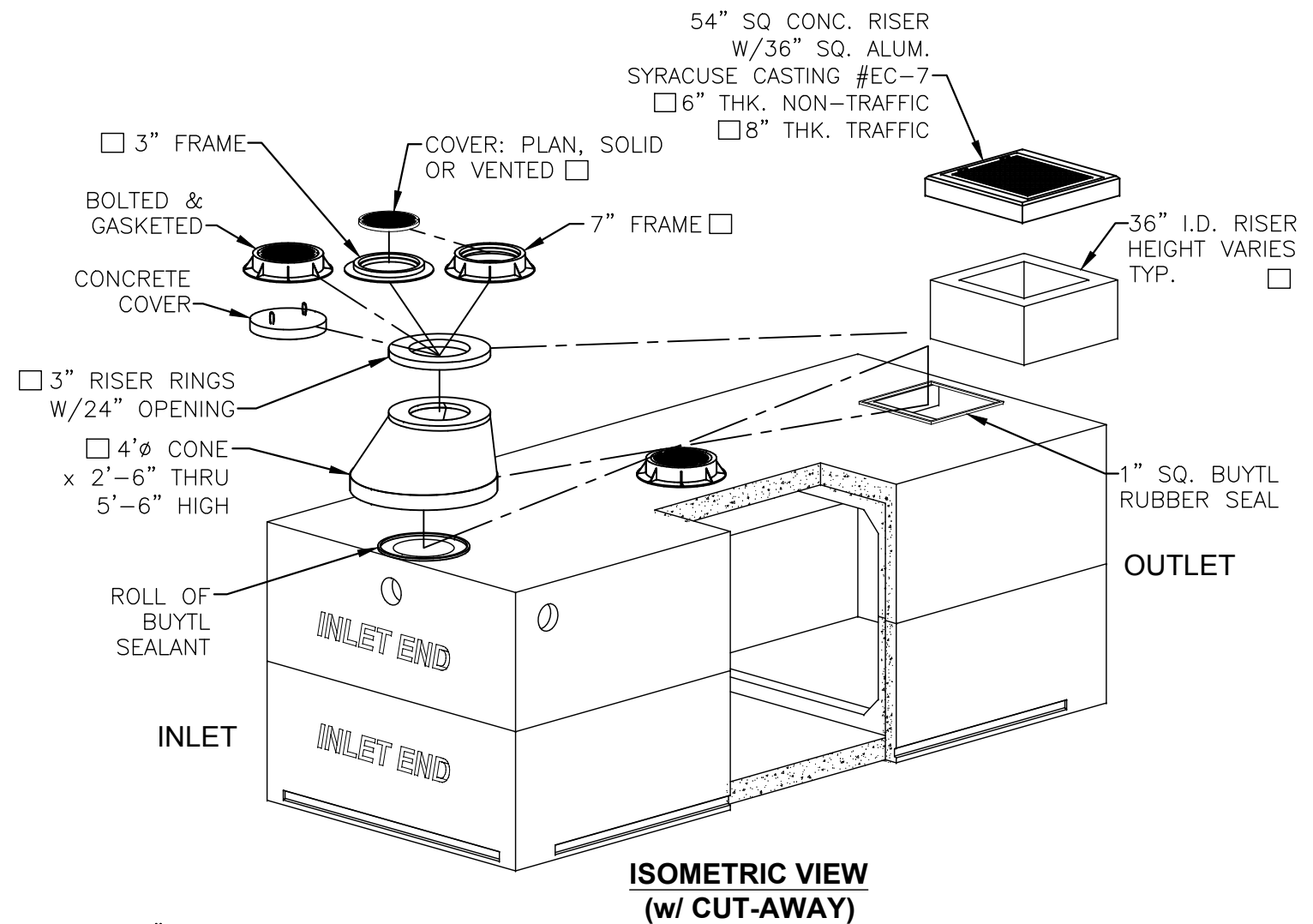


**SECTION A-A**



**SECTION B-B**

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



**ISOMETRIC VIEW  
(w/ CUT-AWAY)**

**SPECIFICATIONS:**  
 CONCRETE: 7,000 PSI @ 28 DAYS  
 ENTRAINED AIR: 5%-9%  
 STEEL: ASTM A496-A615 GRADE 60-60 KSI.

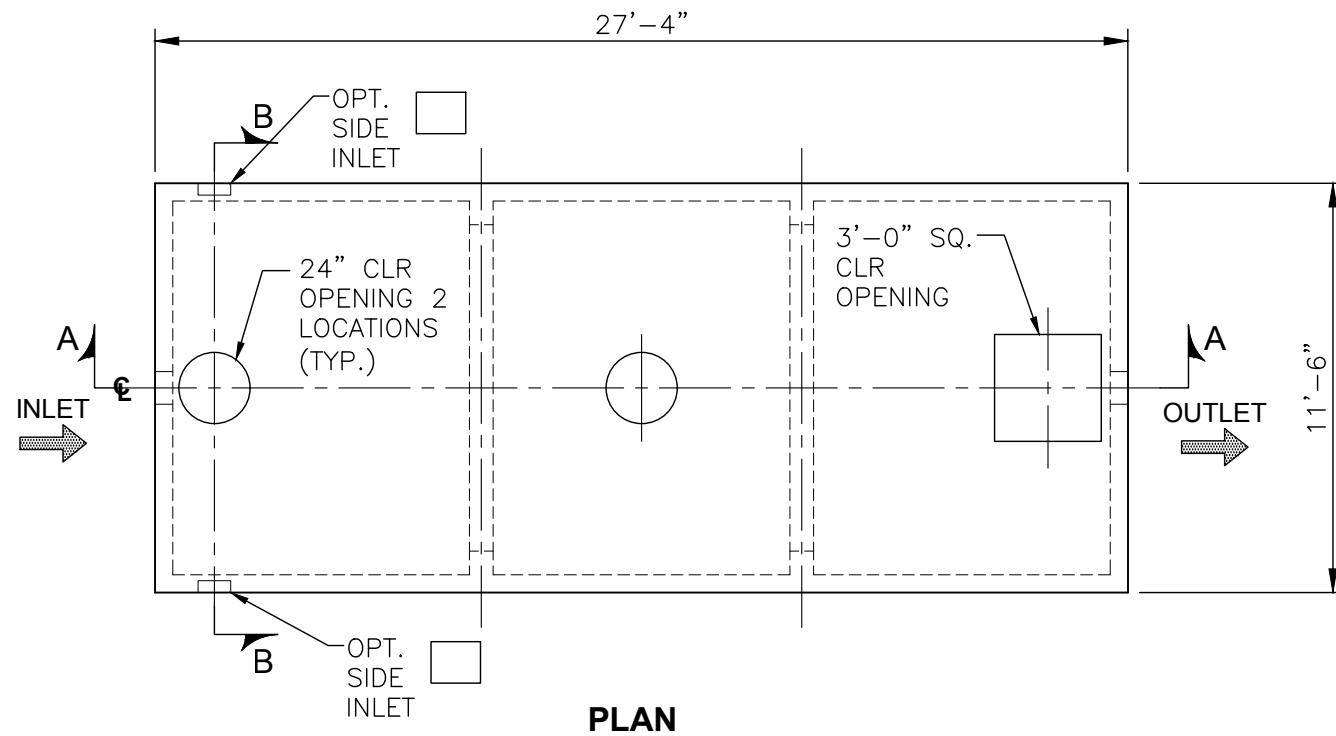
**DESIGN LOADING:**  
 AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 30 PCF. 6 FT. OF FILL OVER TOP OF TANK.

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

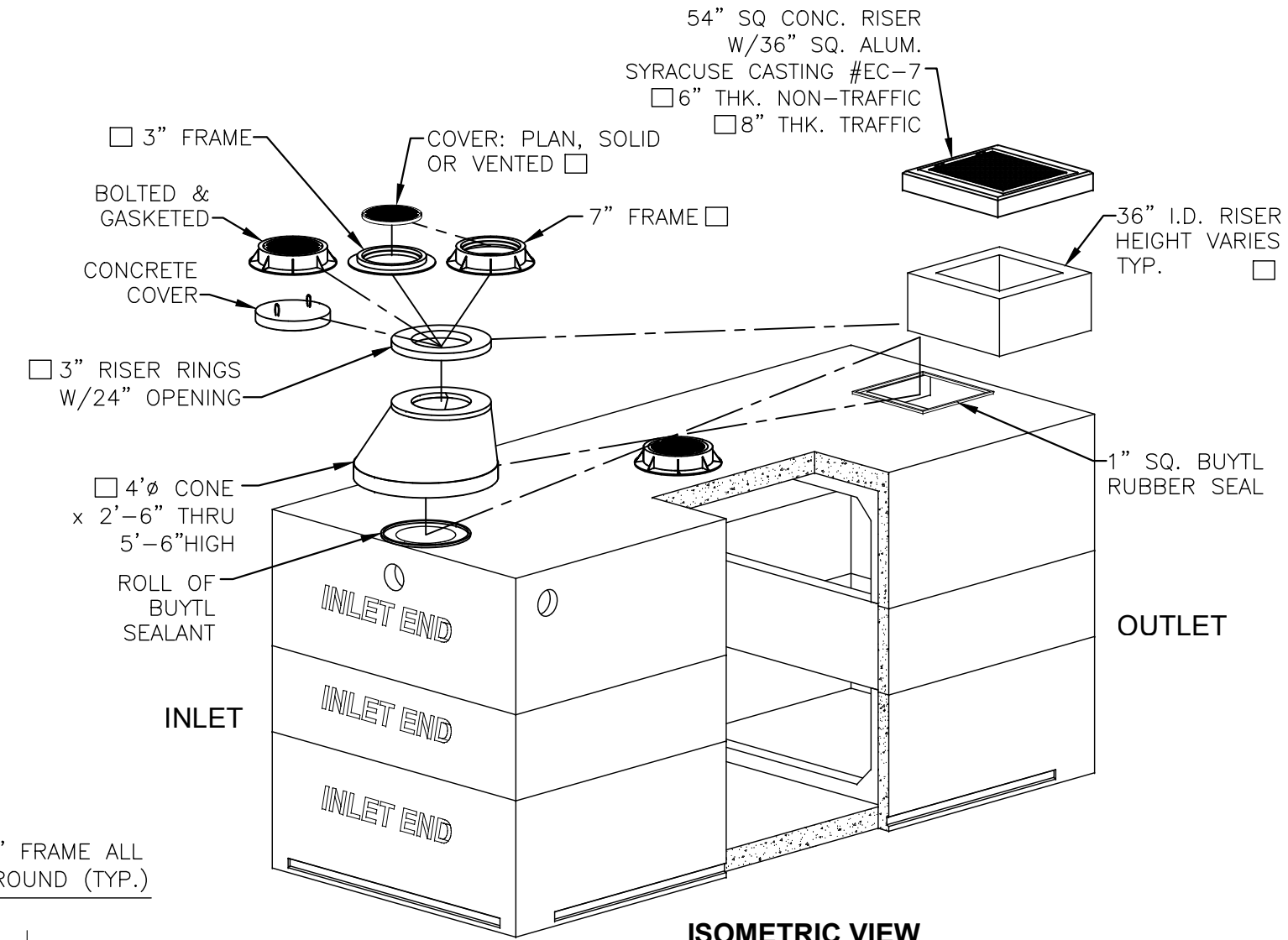
**WEIGHTS:**  
 TOP: 58,100 LBS  
 BOTTOM: 59,700 LBS  
 TOTAL: 117,800 LBS

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

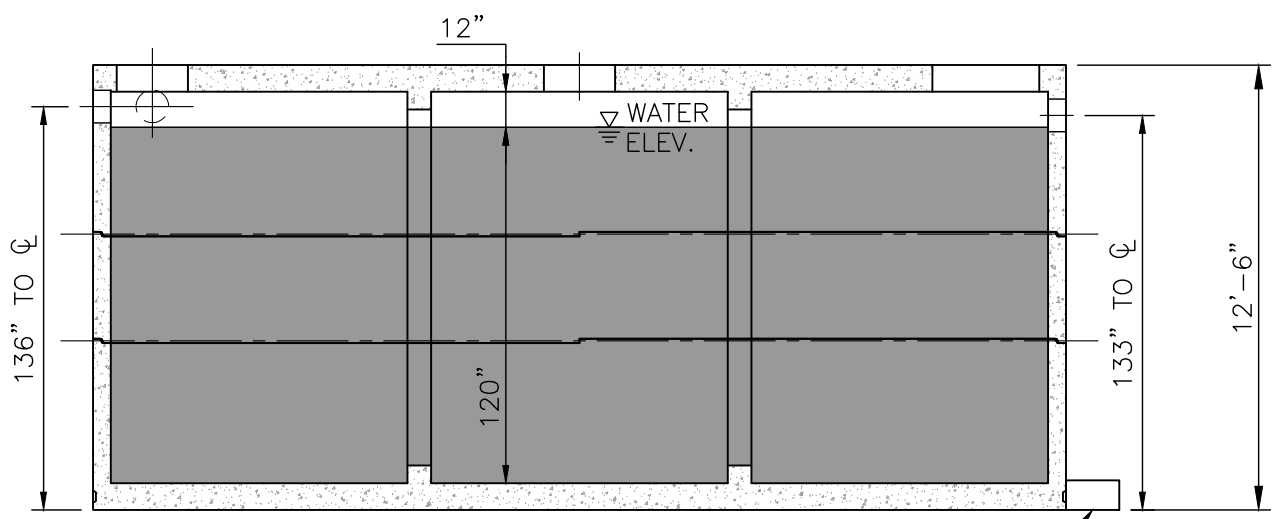
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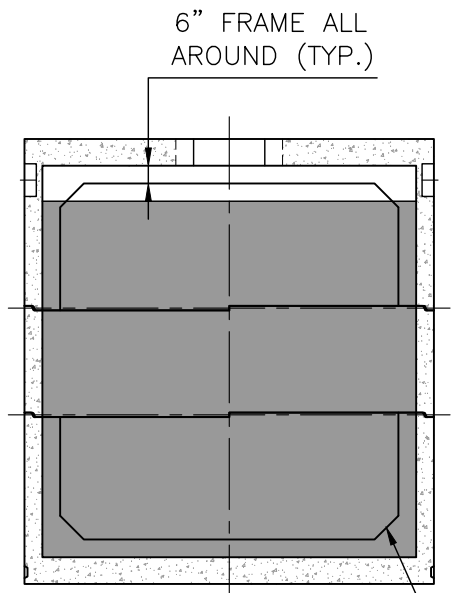
**PLAN**



**ISOMETRIC VIEW  
(w/ CUT-AWAY)**



**SECTION A-A**

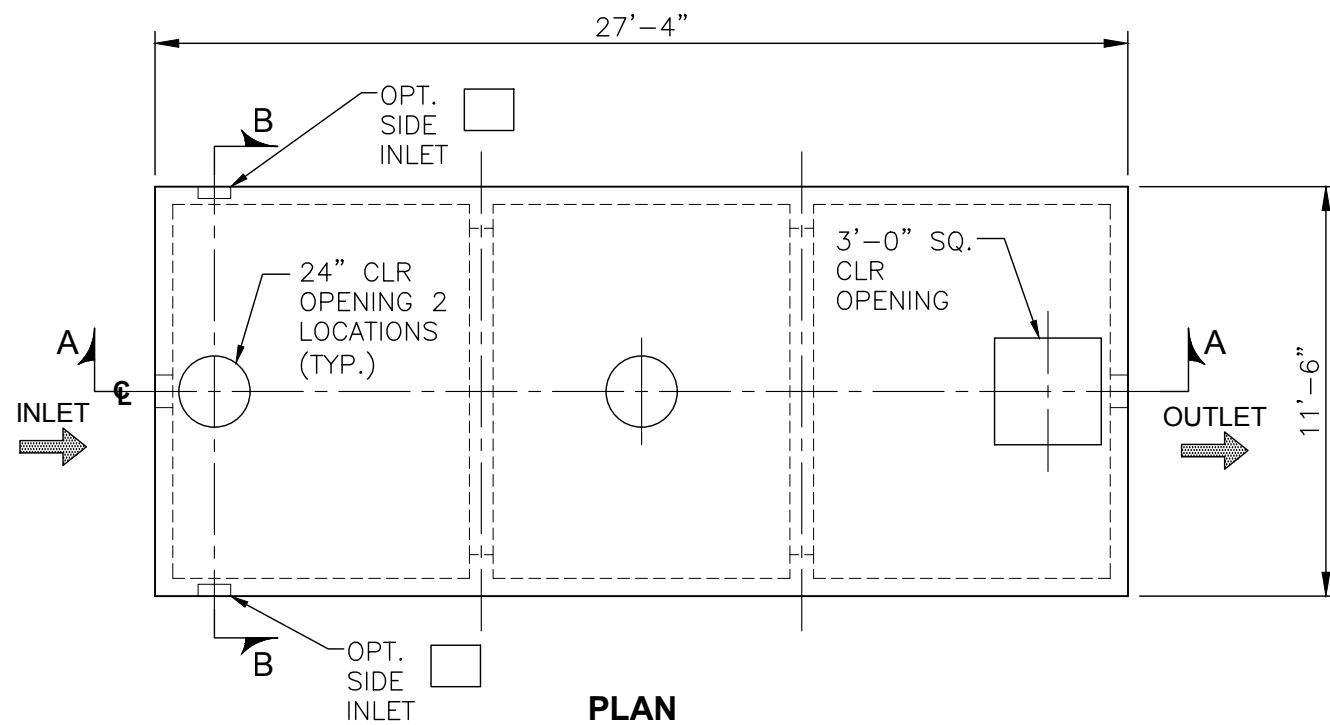


**SECTION B-B**

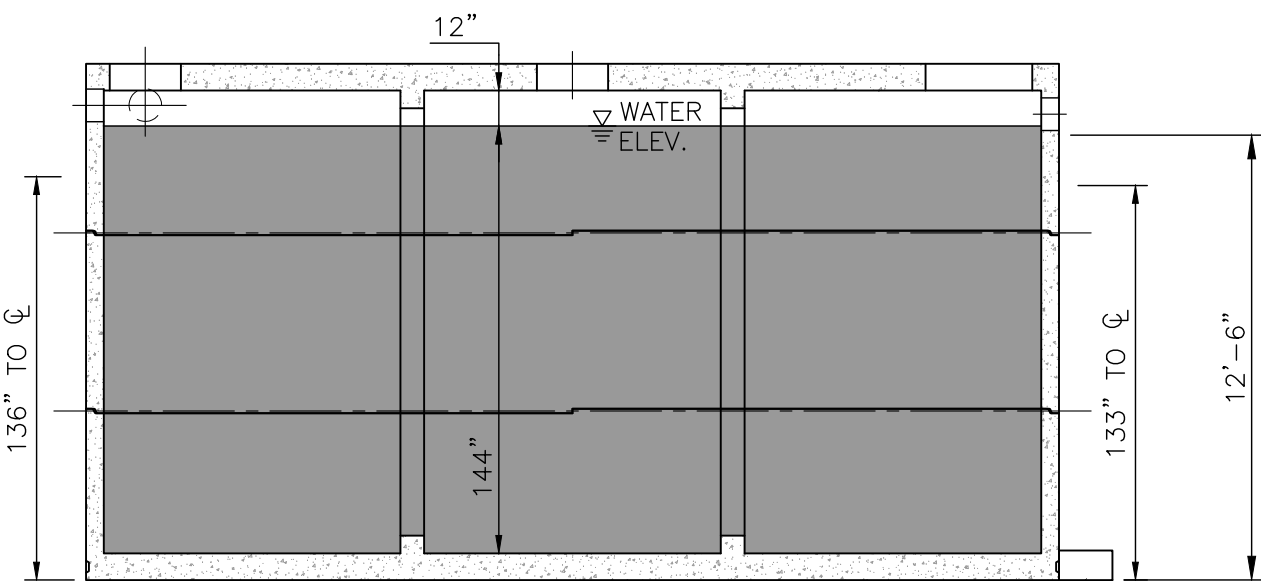
A CAST IN PLACE FLANGE WILL BE REQUIRED TO RESIST UPLIFT (C.I.P. - BY G.C. IN FIELD). CONTACT OUR SALES & ENGINEERING DEPARTMENT TO REVIEW THE JOB SPECIFIC REQUIREMENTS

- SPECIFICATIONS:**  
 CONCRETE: 7,000 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: 58,100 LBS  
 MIDDLE: 20,400 LBS  
 BOTTOM: 59,700 LBS  
 TOTAL: 139,200 LBS

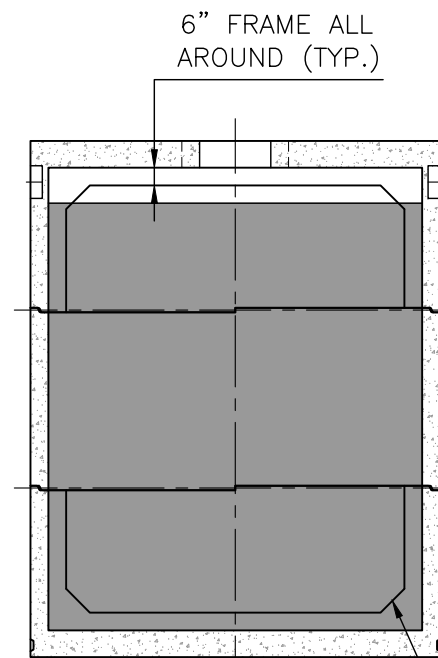
DISTANCE FROM FLOOR TO HOLE INVERT		GALLONAGE
INLET	OUTLET	
121.5"	118.5"	20,000



**PLAN**

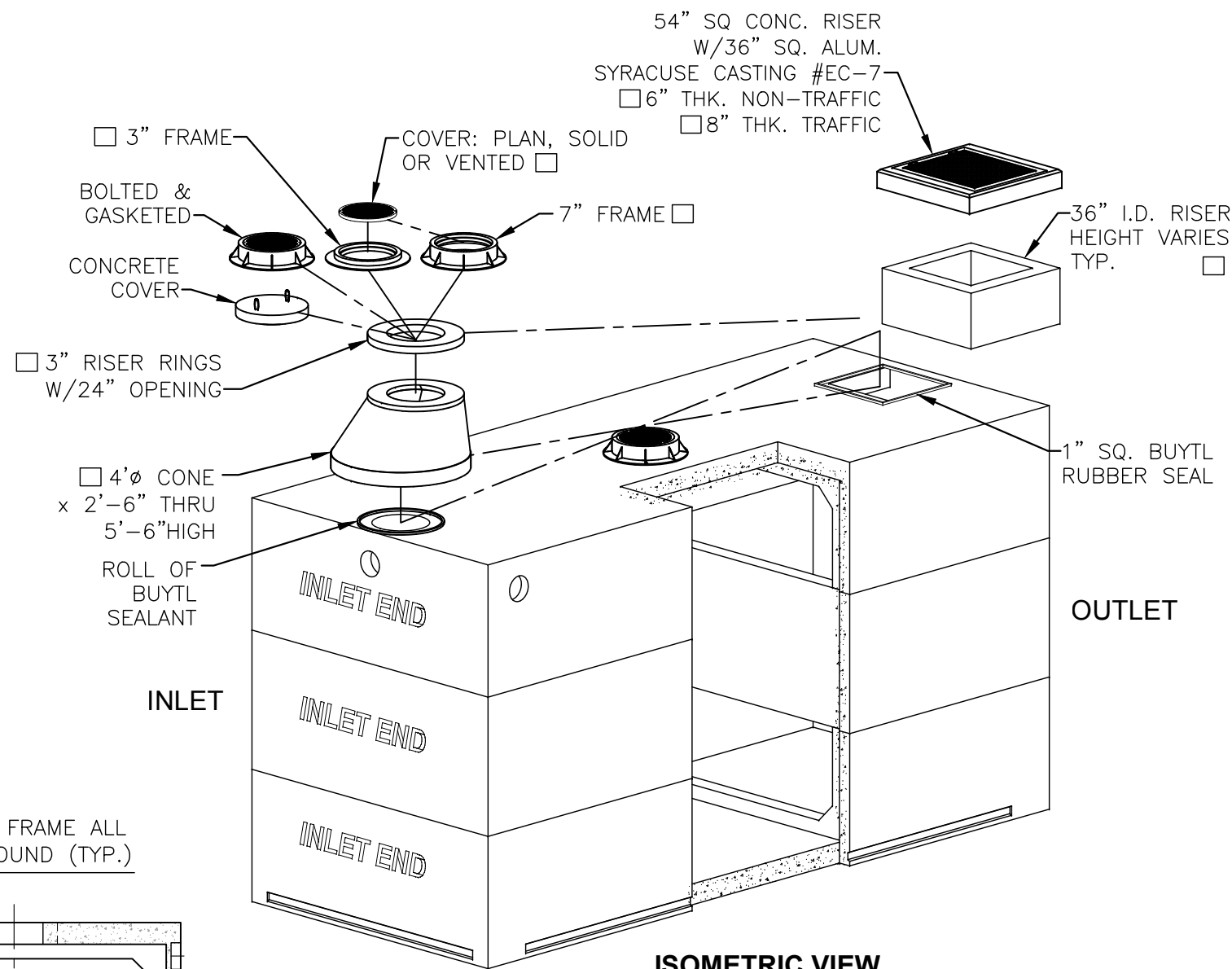


**SECTION A-A**



**SECTION B-B**

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



**ISOMETRIC VIEW (w/ CUT-AWAY)**

**SPECIFICATIONS:**  
 CONCRETE: 7,000 PSI @ 28 DAYS  
 ENTRAINED AIR: 5%-9%  
 STEEL: ASTM A496-A615 GRADE 60-60 KSI.

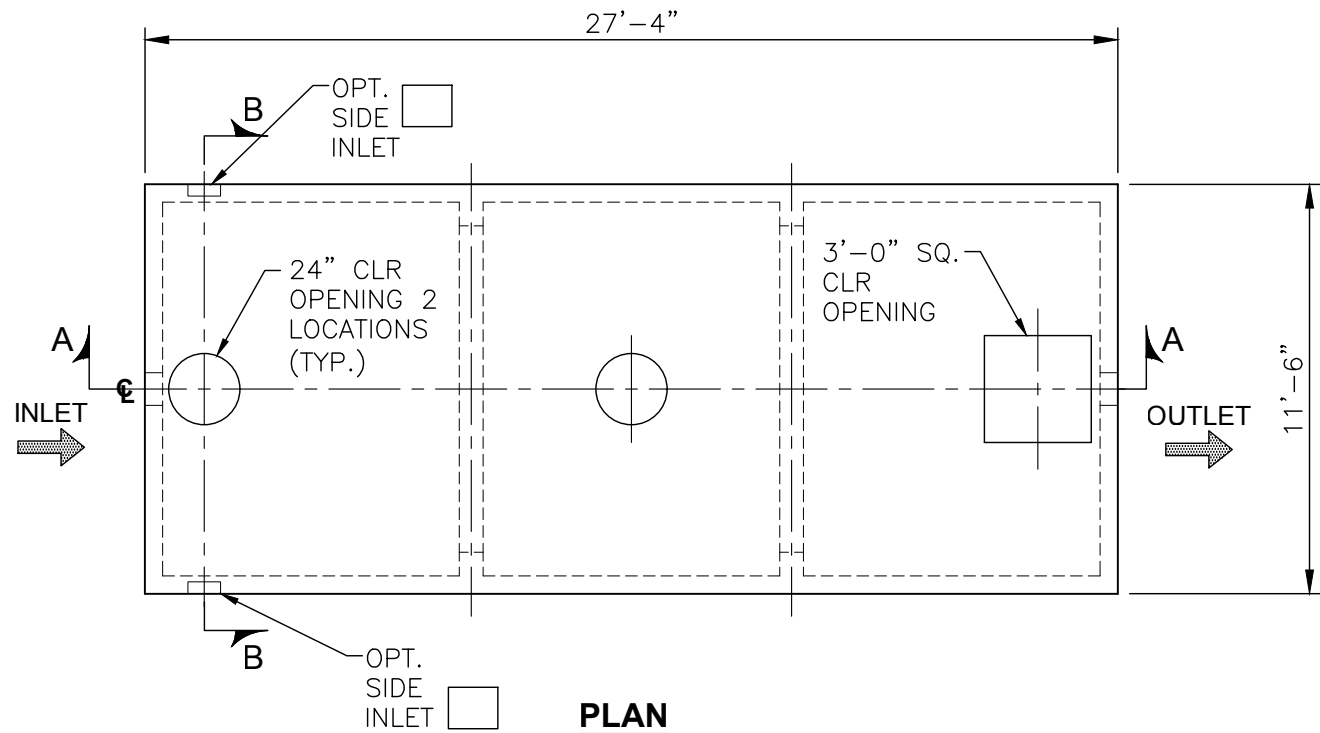
**DESIGN LOADING:**  
 AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 30 PCF.  
 6 FT. OF FILL OVER TOP OF TANK.

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

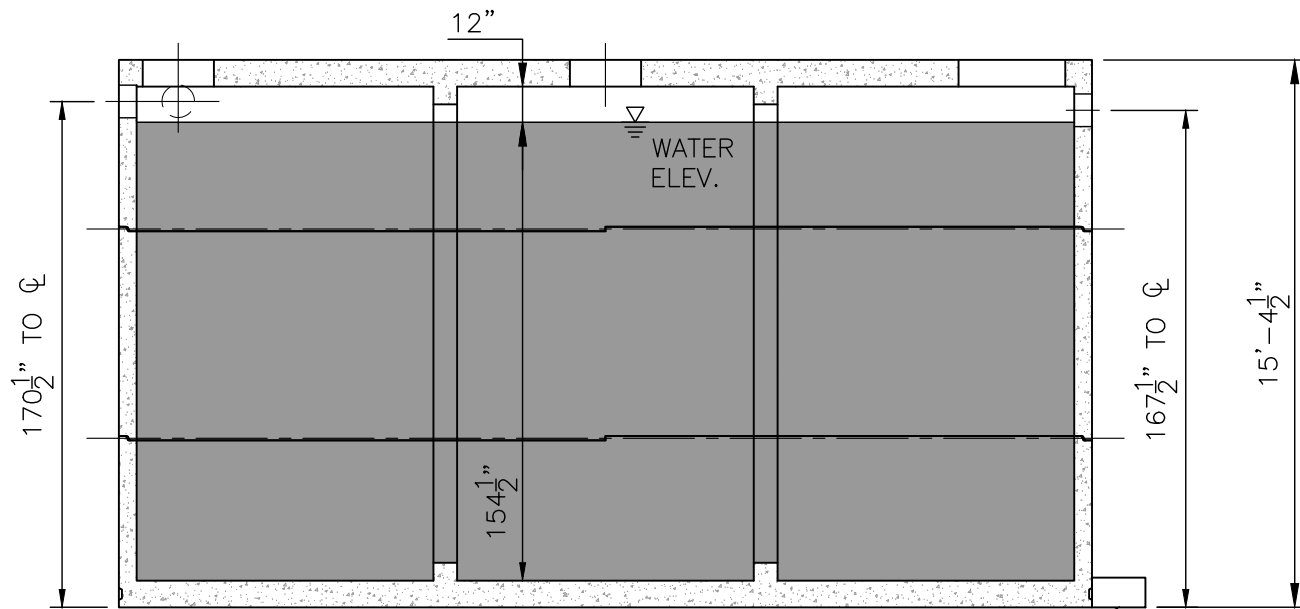
**WEIGHTS:**  
 TOP: 58,100 LBS  
 MIDDLE: 38,900 LBS  
 BOTTOM: 59,700 LBS  
 TOTAL: 156,700 LBS

DISTANCE FROM FLOOR TO HOLE INVERT		GALLONAGE
INLET	OUTLET	
144"	141"	24,000

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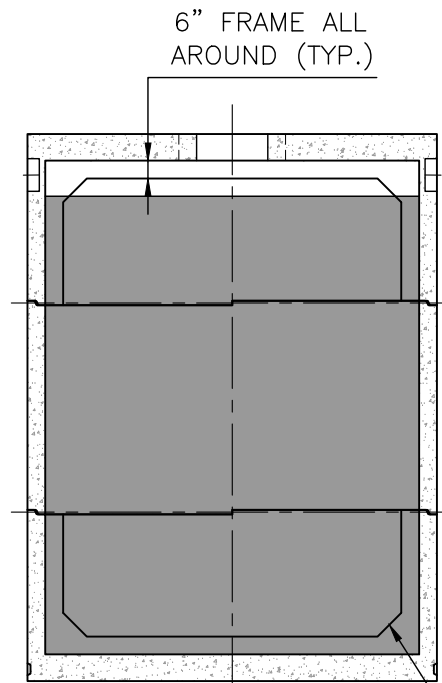


**PLAN**

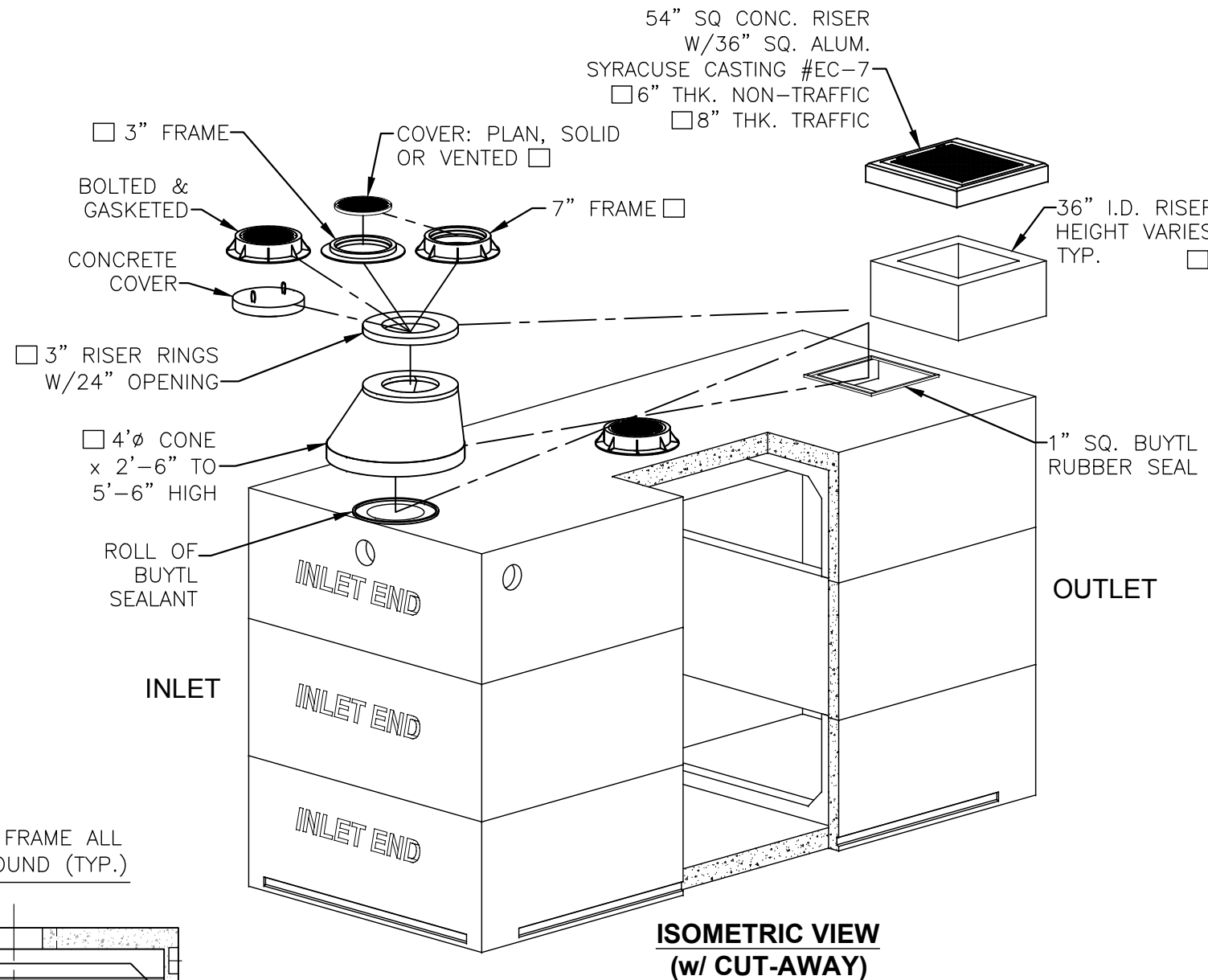


**SECTION A-A**

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



**SECTION B-B**



**ISOMETRIC VIEW (w/ CUT-AWAY)**

**SPECIFICATIONS:**  
 CONCRETE: 7,000 PSI @ 28 DAYS  
 ENTRAINED AIR: 5%-9%  
 STEEL: ASTM A496-A615 GRADE 60-60 KSI.

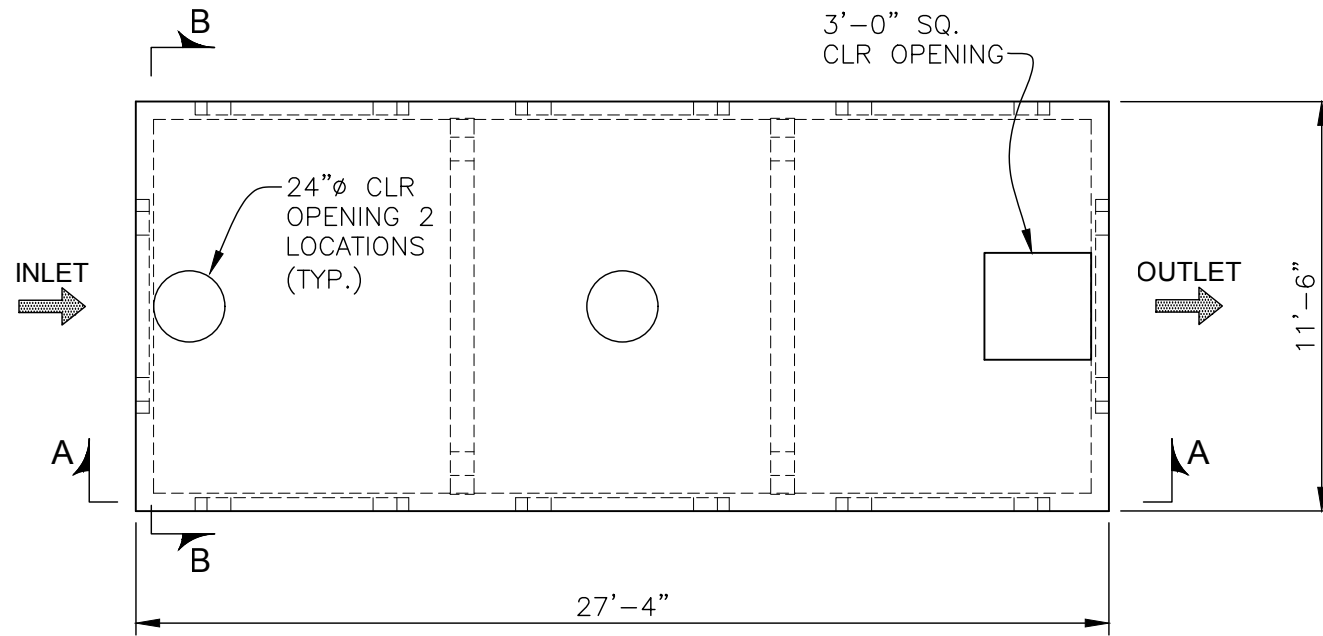
**DESIGN LOADING:**  
 AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 30 PCF.  
 6 FT. OF FILL OVER TOP OF TANK.

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

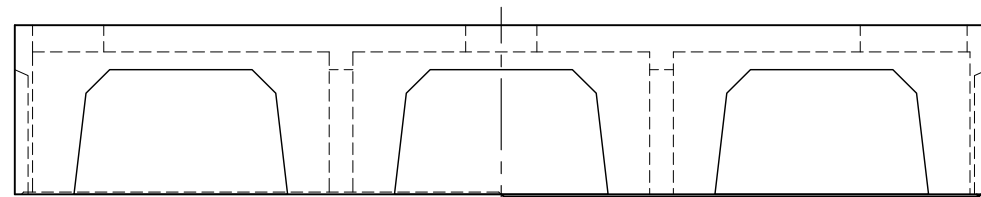
**WEIGHTS:**  
 TOP 58,100 LBS  
 MIDDLE 45,700 LBS  
 BOTTOM 59,700 LBS  
 TOTAL 163,500 LBS

DISTANCE FROM FLOOR TO HOLE INVERT		GALLONAGE
INLET	OUTLET	
157 1/2"	154 1/2"	26,000

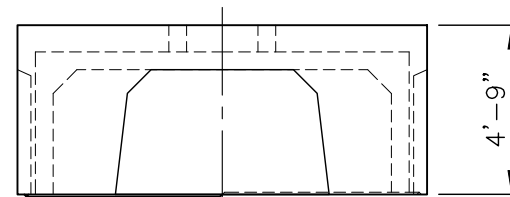
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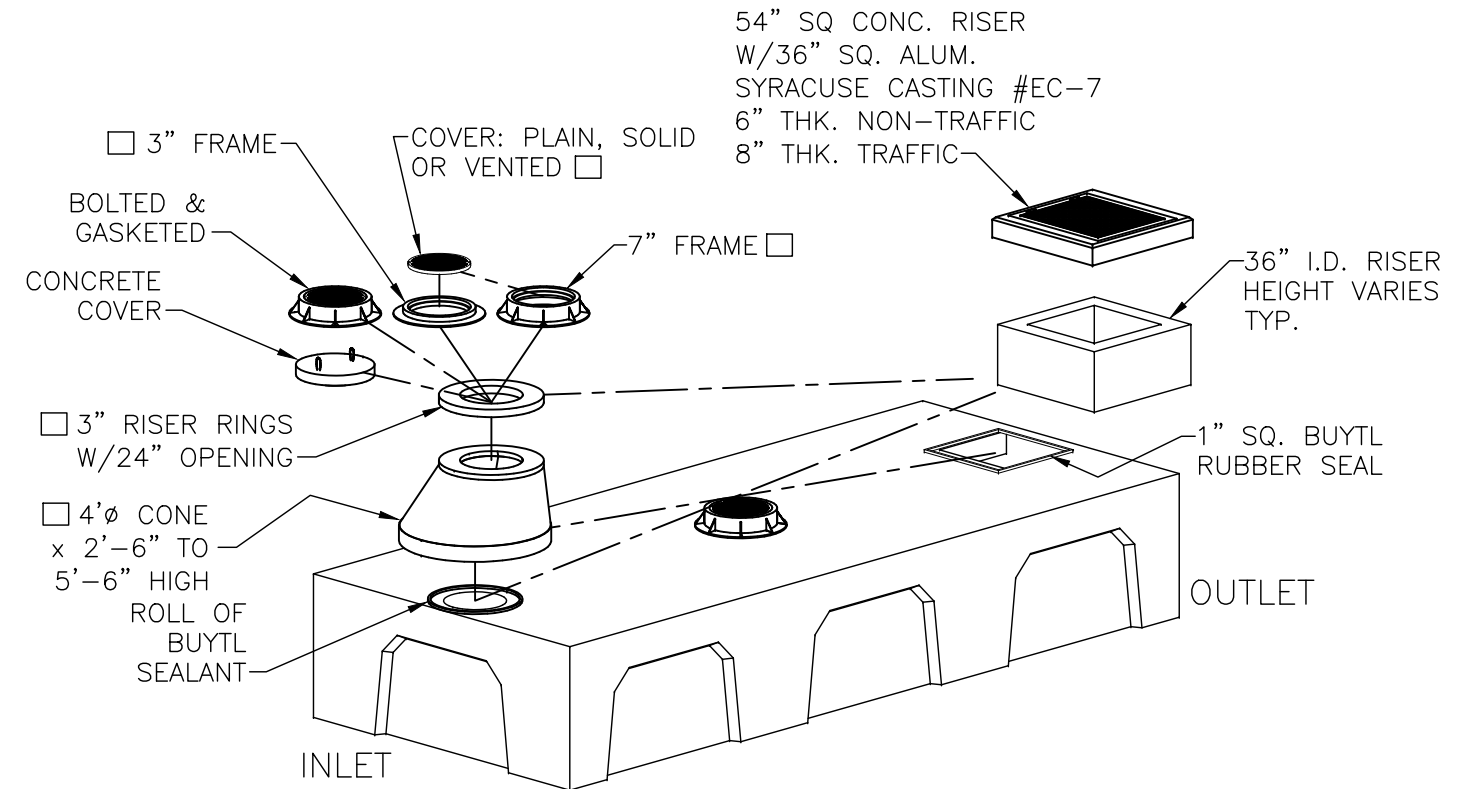
**PLAN**



**SECTION A-A**



**SECTION B-B**



**ISOMETRIC VIEW**

**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.  
**WEIGHT:**  
 TOP 46,500 LBS

NOTE: SIDEWALL SURFACE AREA AVAILABLE: 310 SQ. FT./UNIT

KISTNER HAS DEVELOPED AND CAN SUPPLY AN ARRAY OF STRUCTURAL BMP FOR STORM WATER APPLICATIONS:  
 THESE SYSTEMS ALLOW: DETENTION / RETENTION / RECHARGE / TSS SYSTEMS  
 THEY ARE OFFERED TO HELP THE ENGINEERING COMMUNITY MEET THE CURRENT STORM WATER REGULATIONS & COMPLIANCE ISSUES.

THE LATEST OF THESE PRODUCT IS THE:  
 " KAST-POD SW-DRRTS STORMWATER SYSTEM "  
 A STRONG TOOL YOU CAN USE TO MEET YOUR REQUIREMENTS.

KISTNER AS ALWAYS CONSIDERS:  
 CAPITAL COSTS ( (I.E.) ONE TIME UP FRONT COST.)  
 INSTALLATION TIME, COST, & INSTALLATION DIFFICULTY.  
 DESIGN LOADING & FOOTPRINT OF STRUCTURE.  
 SIZE & CAPACITY OF STRUCTURE AND FLOW RATES.  
 MAINTENANCE COST AND TIME & EASE OF PERFORMANCE OF MAINTENANCE.

PLEASE CALL TO LEARN MORE ABOUT THE " KAST-POD SW-DRRTS STORMWATER SYSTEM "  
 OR ANY OF OUR OTHER STORM WATER STRUCTURAL BMP'S FOR STORM WATER: DETENTION



**KISTNER  
 CONCRETE  
 PRODUCTS, INC.**

5550 HINMAN ROAD  
 LOCKPORT, NEW YORK 14094  
 PHONE 716-434-6157

REV. NO.	DATE	DESCRIPTION

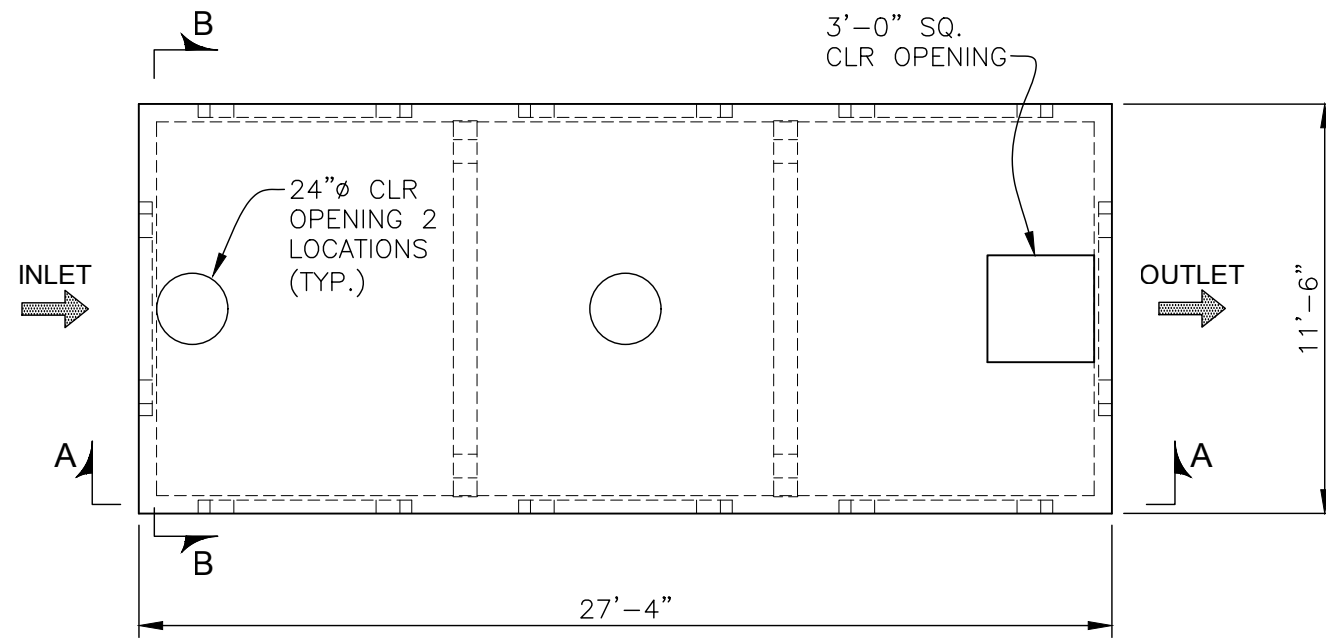
DRAWN BY: <b>MAK</b>	DATE: <b>1/18/19</b>
CK'D BY: <b>MJK</b>	SCALE: <b>N.T.S.</b>

PROJECT: <b>10K TO 26K SEPTIC / EFFLUENT / UTILITY    TANKS - PRESENTATION WORKBOOK</b>
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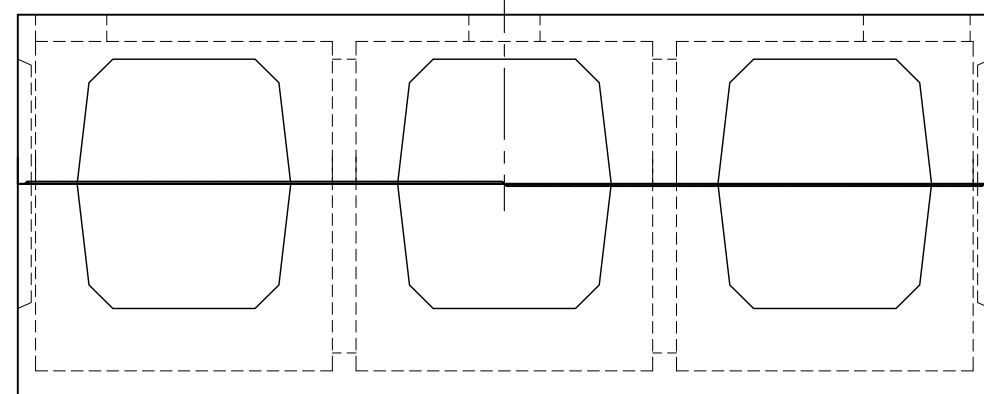
SHEET TITLE: <b>PRESENTATION OF TOP SECTION DETAILS    KAST-POD SW-DRRTS STORMWATER SYSTEM    DETENTION / RETENTION / RECHARGE / TSS SYSTEM</b>
--

SHEET NO: <b>P-12</b>
FILE NAME: <b>10k-26k ST-EFF TANK-SW_R6</b>

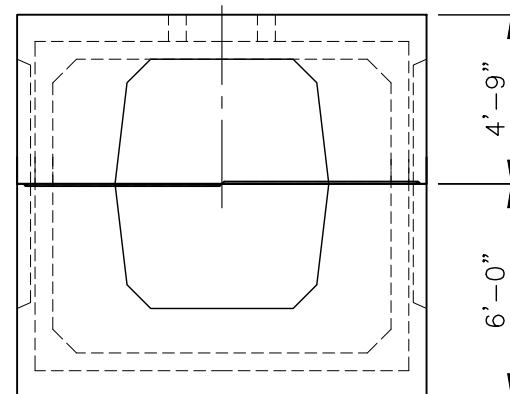
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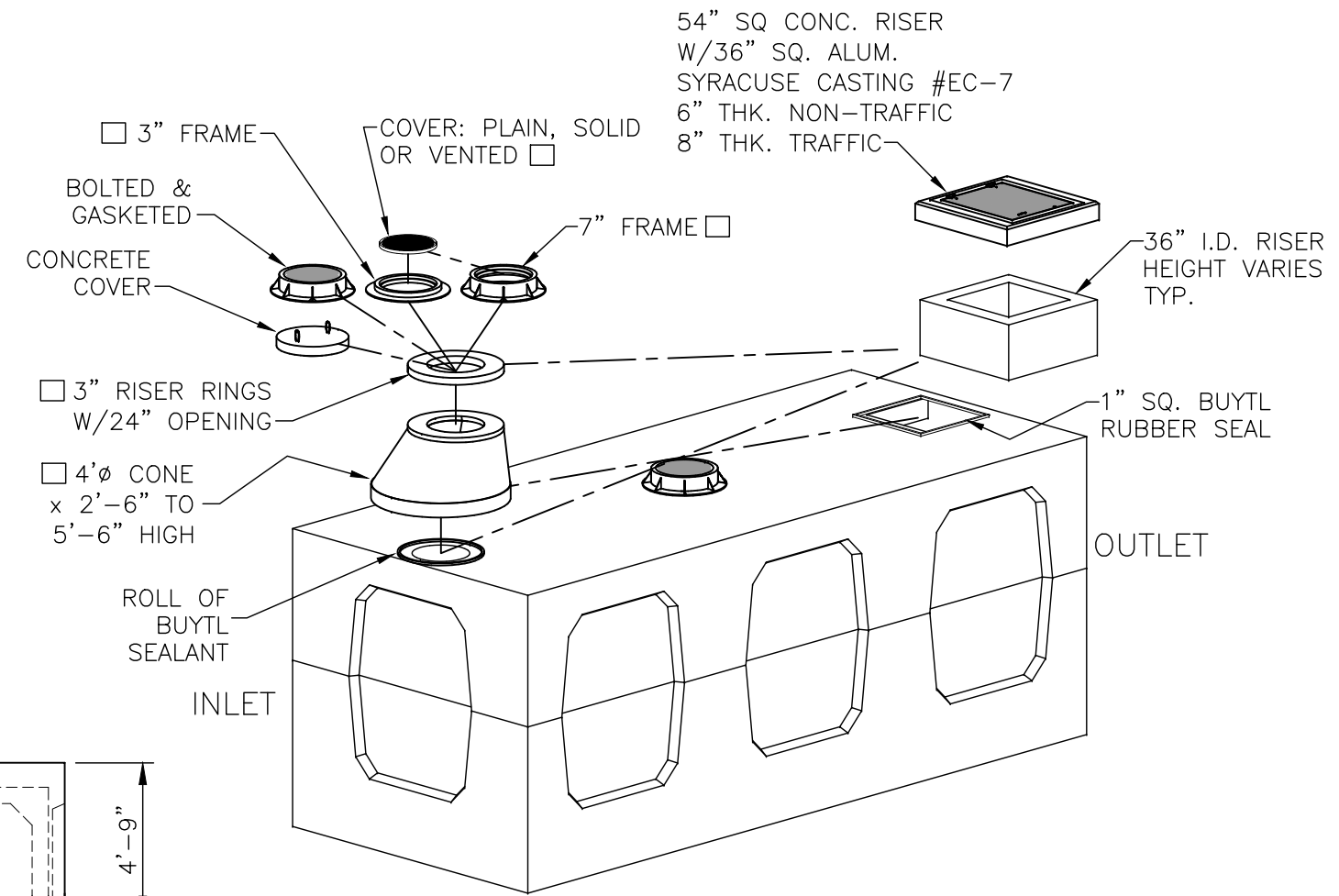
**PLAN**



**SECTION A-A**



**SECTION B-B**



**ISOMETRIC VIEW**

- 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.  
**STEEL:**  
 TOP 46,500 LBS  
 BOTTOM 55,000 LBS  
 TOTAL 101,500 LBS

NOTE: SIDEWALL SURFACE AREA AVAILABLE: 310 SQ. FT./UNIT

KISTNER HAS DEVELOPED AND CAN SUPPLY AN ARRAY OF STRUCTURAL BMP FOR STORM WATER APPLICATIONS:  
 THESE SYSTEMS ALLOW: DETENTION / RETENTION / RECHARGE / TSS SYSTEMS  
 THEY ARE OFFERED TO HELP THE ENGINEERING COMMUNITY MEET THE CURRENT STORM WATER REGULATIONS & COMPLIANCE ISSUES.

THE LATEST OF THESE PRODUCT IS THE:  
 “ KAST-POD SW-DRRTS STORMWATER SYSTEM “  
 A STRONG TOOL YOU CAN USE TO MEET YOUR REQUIREMENTS.

KISTNER AS ALWAYS CONSIDERS:  
 CAPITAL COSTS ( (I.E.) ONE TIME UP FRONT COST.)  
 INSTALLATION TIME, COST, & INSTALLATION DIFFICULTY.  
 DESIGN LOADING & FOOTPRINT OF STRUCTURE.  
 SIZE & CAPACITY OF STRUCTURE AND FLOW RATES.  
 MAINTENANCE COST AND TIME & EASE OF PERFORMANCE OF MAINTENANCE.

PLEASE CALL TO LEARN MORE ABOUT THE “ KAST-POD SW-DRRTS STORMWATER SYSTEM “  
 OR ANY OF OUR OTHER STORM WATER STRUCTURAL BMP'S FOR STORM WATER: DETENTION



**KISTNER  
 CONCRETE  
 PRODUCTS, INC.**

5550 HINMAN ROAD  
 LOCKPORT, NEW YORK 14094  
 PHONE 716-434-6157

REV. NO.	DATE	DESCRIPTION

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

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

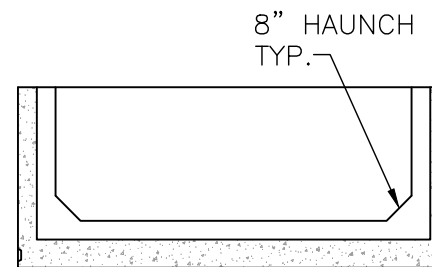
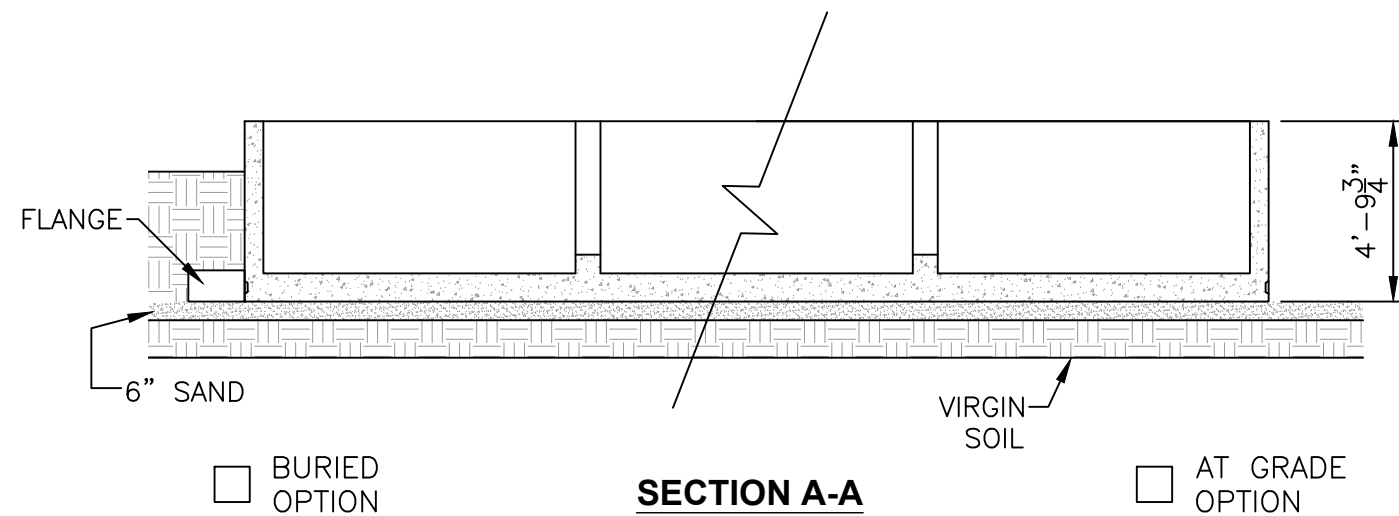
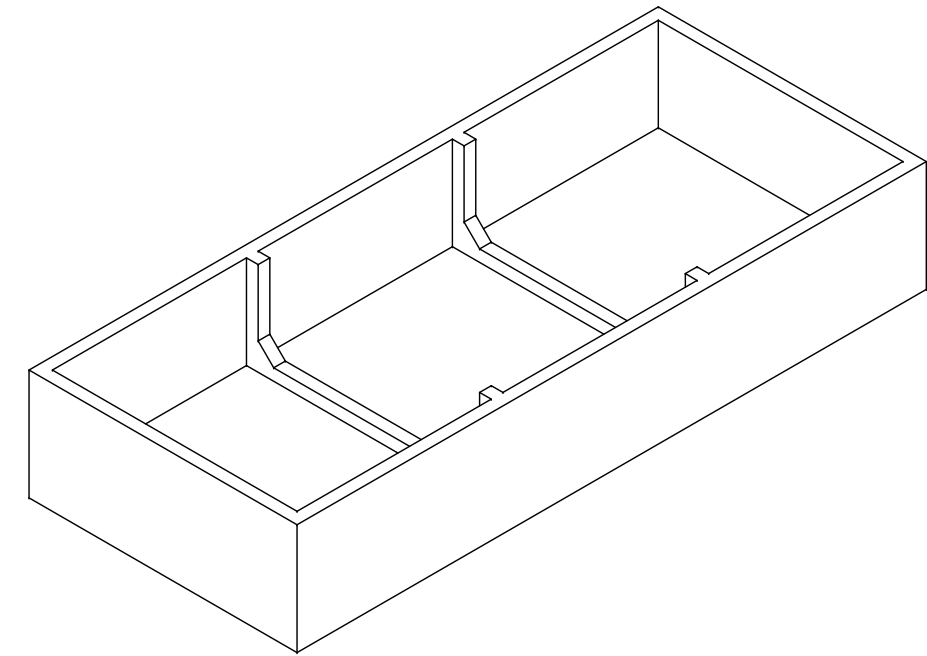
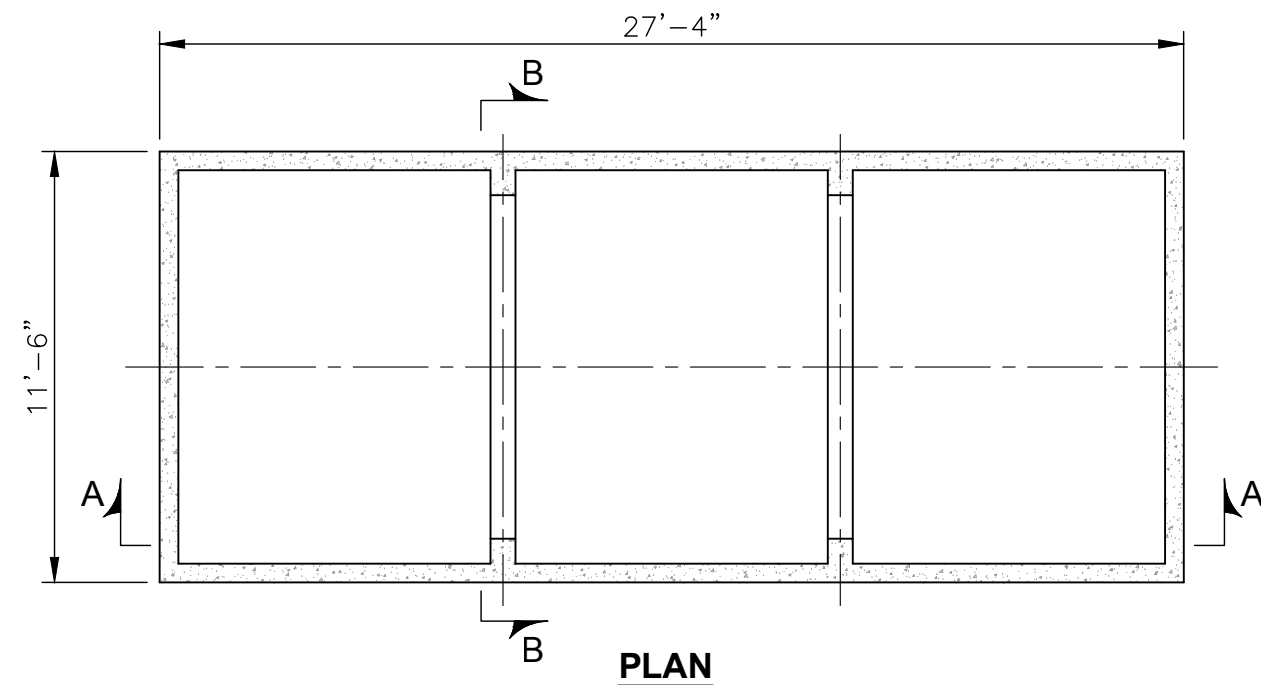
SHEET TITLE: **PRESENTATION OF TANK DETAILS  
 KAST-POD SW-DRRTS STORMWATER SYSTEM  
 DETENTION / RETENTION / RECHARGE / TSS SYSTEM**

SHEET NO: **P-13**  
 FILE NAME: **10k-26k ST-EFF TANK-SW\_R6**

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**SPECIFICATIONS:**  
**CONCRETE:** 7,000 PSI @ 28 DAYS  
**ENTRAINED AIR:** 5%-9%  
**STEEL:** ASTM A496-A615  
**DESIGN LOADING:** GRADE 60-60 KSI.  
 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.  
**WEIGHT:**  
**BOTTOM 59,420 LBS**



**KISTNER  
CONCRETE  
PRODUCTS, INC.**

5550 HINMAN ROAD  
LOCKPORT, NEW YORK 14094  
PHONE 716-434-6157

REV. NO.	DATE	DESCRIPTION

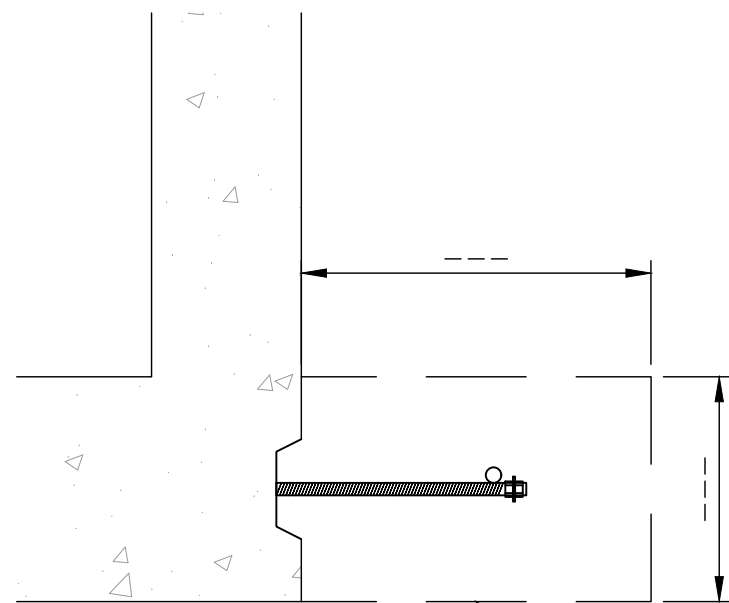
DRAWN BY:  
**ZMS**  
DATE:  
**11/6/19**  
CK'D BY:  
**MJK**  
SCALE:  
**N.T.S.**

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

SHEET TITLE:  
**CONTAINMENT TANK  
PRESENTATION DETAIL SHEET**

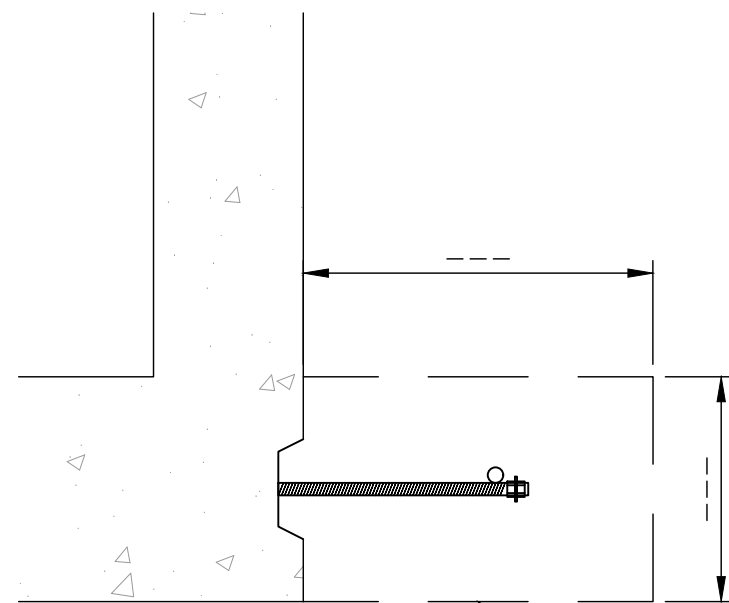
SHEET NO.:  
**P-14**  
FILE NAME:  
**10k-26k ST-EFF TANK-SW\_R6**

L:\CADD\PRODUCTS\SQUARE AND RECTANGULAR STRUCTURES\VAULTS\10k-26k-SEP-EFF TANK WRKBK\10k-26k-ST-EFF TANK-SW\_R6.dwg



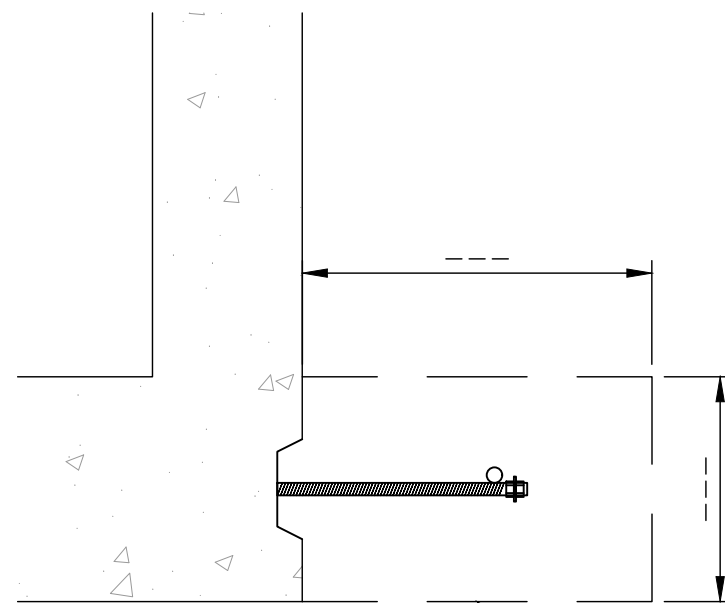
CAST IN PLACE ANTI-BOUYANCY COLLAR

**10,000 GALLON TANK**



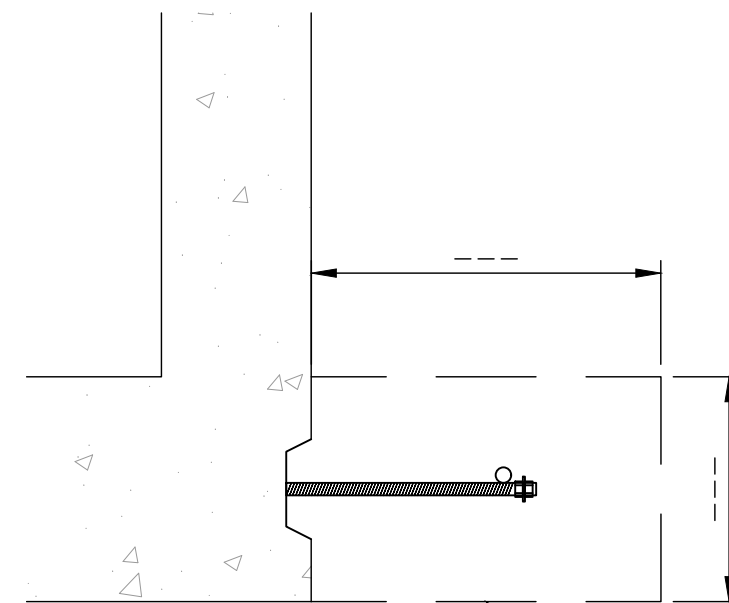
CAST IN PLACE ANTI-BOUYANCY COLLAR

**14,000 GALLON TANK**



CAST IN PLACE ANTI-BOUYANCY COLLAR

**24,000 GALLON TANK**



CAST IN PLACE ANTI-BOUYANCY COLLAR

**26,000 GALLON TANK**

DESIGN ASSUMPTIONS  
WATER TABLE  
SAFETY FACTOR

IF ABOVE "DESIGN ASUMPTIONS"  
REQUIRE MODIFICATION FOR YOUR  
SPECIFIC PROJECT, CALL SALES +  
ENGINEERING TO DISCUSS.



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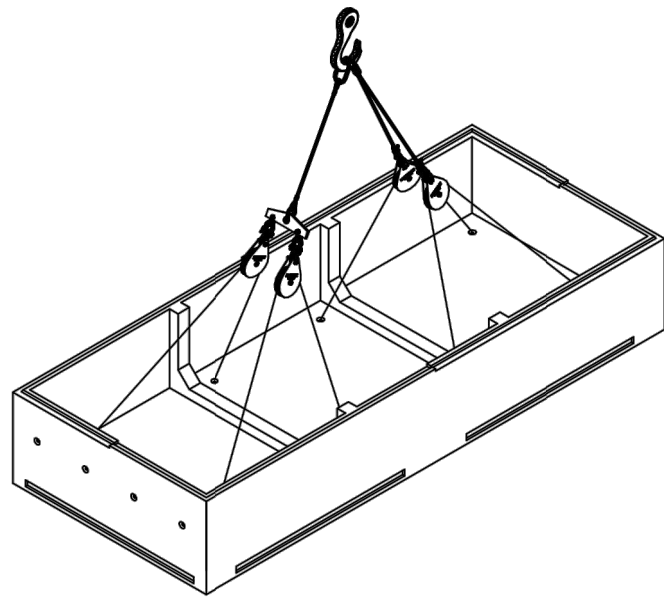
REV. NO.	DATE	DESCRIPTION

DRAWN BY: <b>ZMS</b>	DATE: <b>1/18/19</b>
CK'D BY: <b>MJK</b>	SCALE: <b>N.T.S.</b>

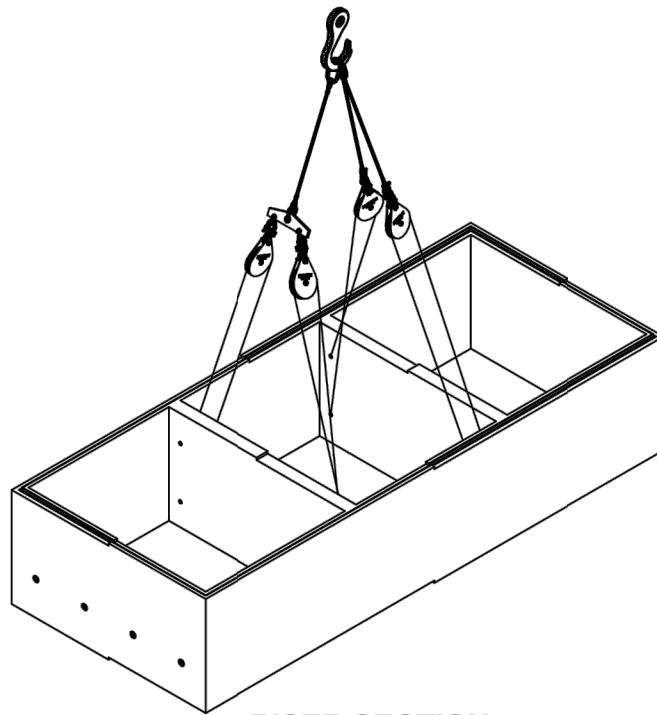
PROJECT:  
**10K TO 26K SEPTIC / EFFLUENT / UTILITY  
TANKS - PRESENTATION WORKBOOK**

SHEET TITLE:  
**ANTI-BOUYANCY  
COLLAR DETAILS**

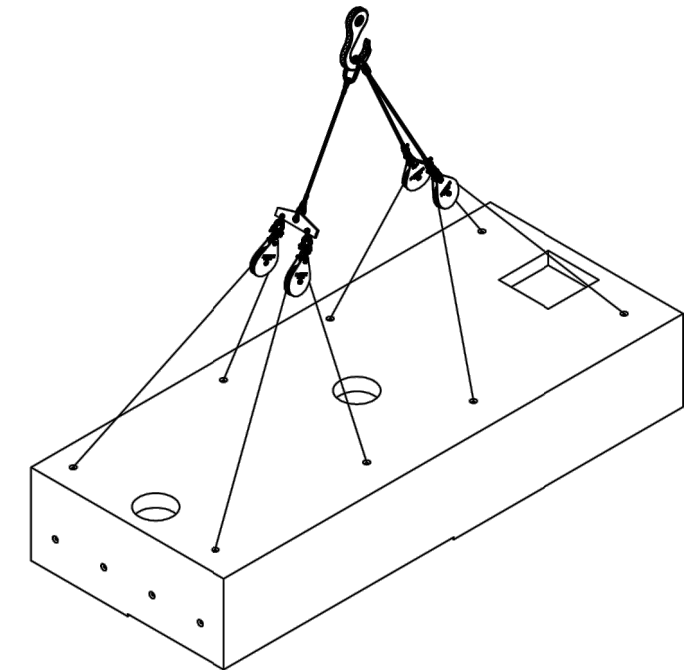
SHEET NO: <b>P-15</b>
FILE NAME: <b>10k-26k ST-EFF TANK-SW_R6</b>



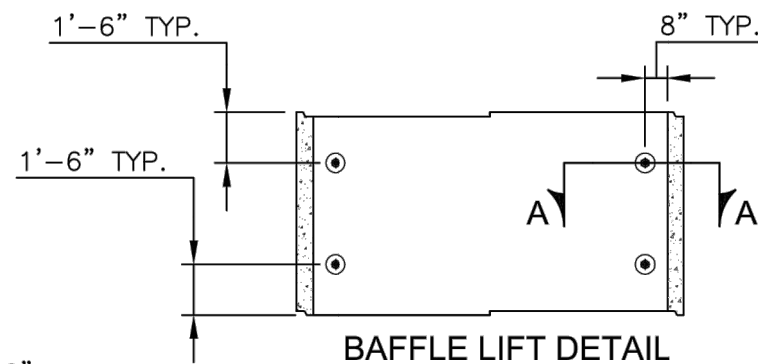
**BOTTOM SECTION**  
8 POINT - INSIDE FLOOR - PICK - FIELD



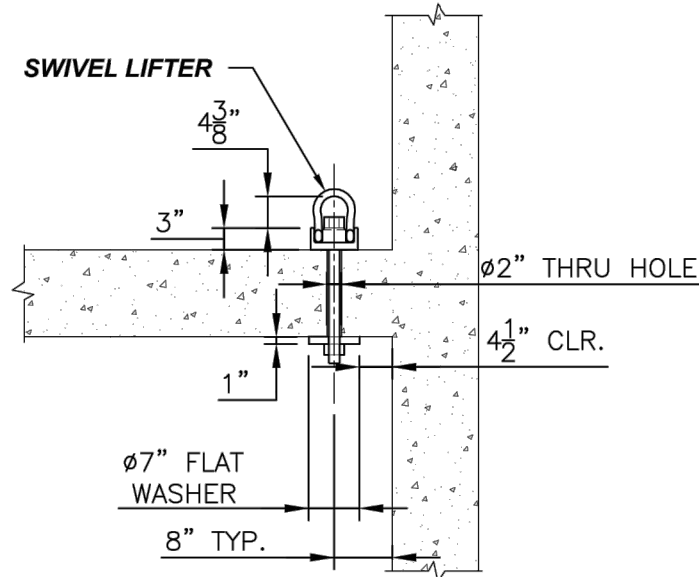
**RISER SECTION**  
8 POINT - BAFFLE WALL - THRU HOLE - PICK - FIELD



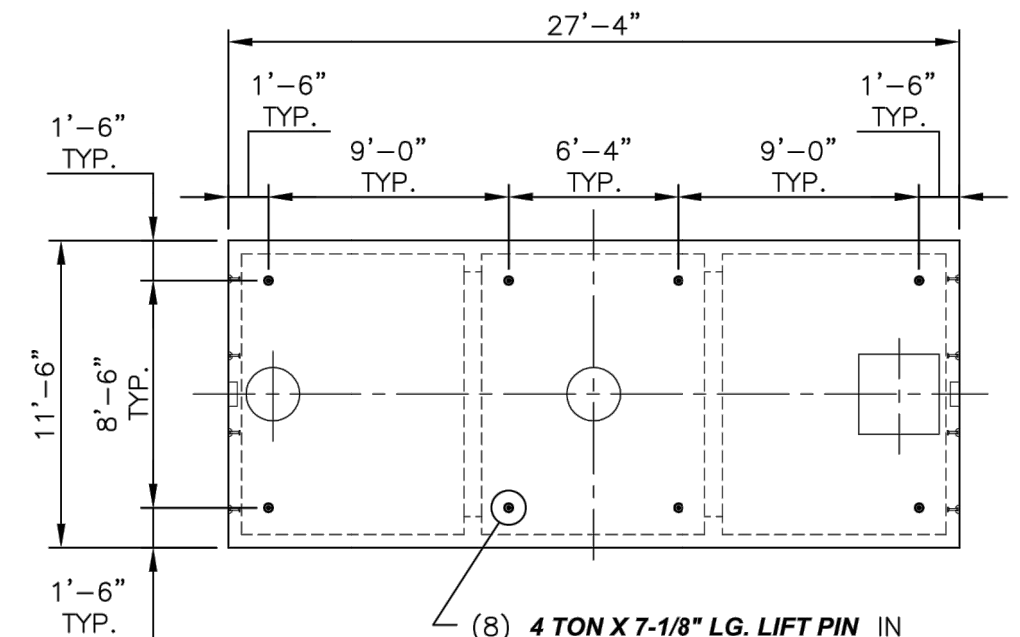
**TOP SECTION**  
8 POINT - TOP - PICK - FIELD



**BAFFLE LIFT DETAIL**

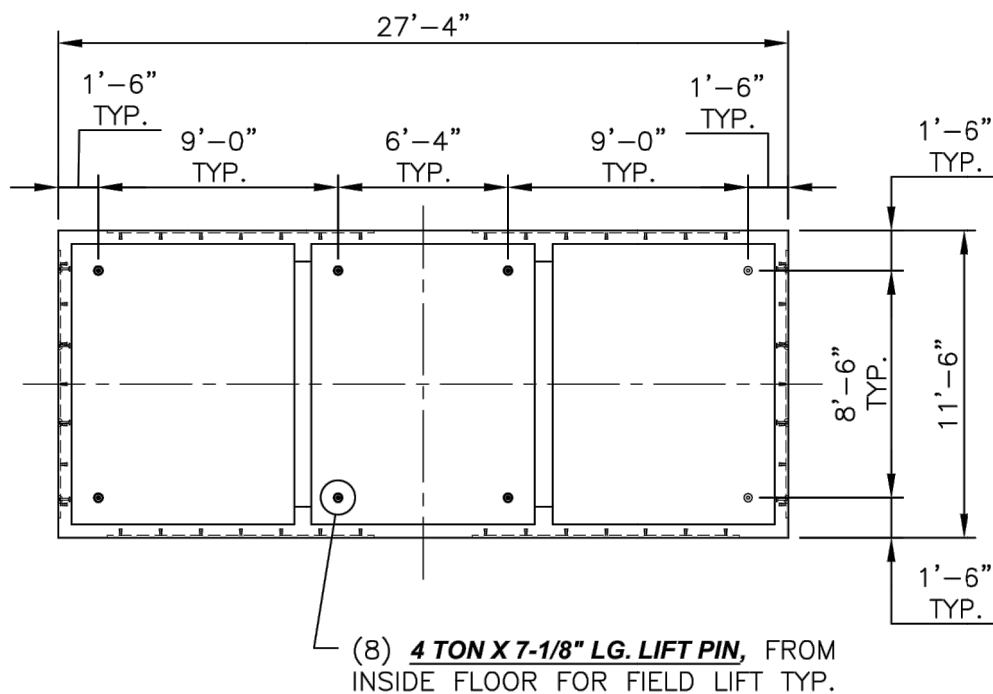


**SECTION A-A**



(8) **4 TON X 7-1/8\"** LG. LIFT PIN IN TOP OF ROOF FOR FIELD LIFT TYP. NOTE: PINS MAY VERY SLIGHTLY AROUND CENTER OF MASS DUE TO ROOF OPENINGS.

**TOP SECTION DETAIL**



(8) **4 TON X 7-1/8\"** LG. LIFT PIN, FROM INSIDE FLOOR FOR FIELD LIFT TYP.

**BOTTOM SECTION DETAIL**



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REV. NO.	DATE	DESCRIPTION

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

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

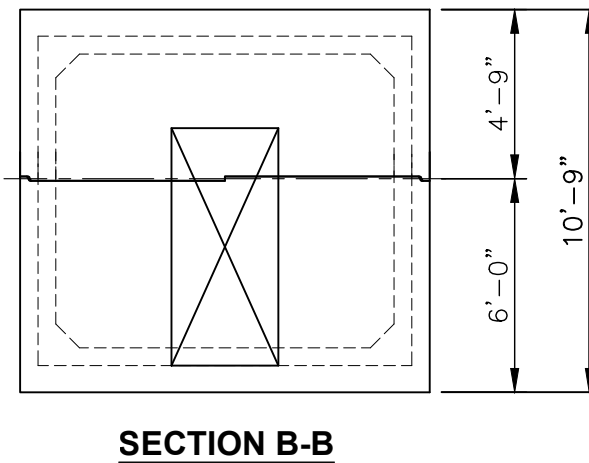
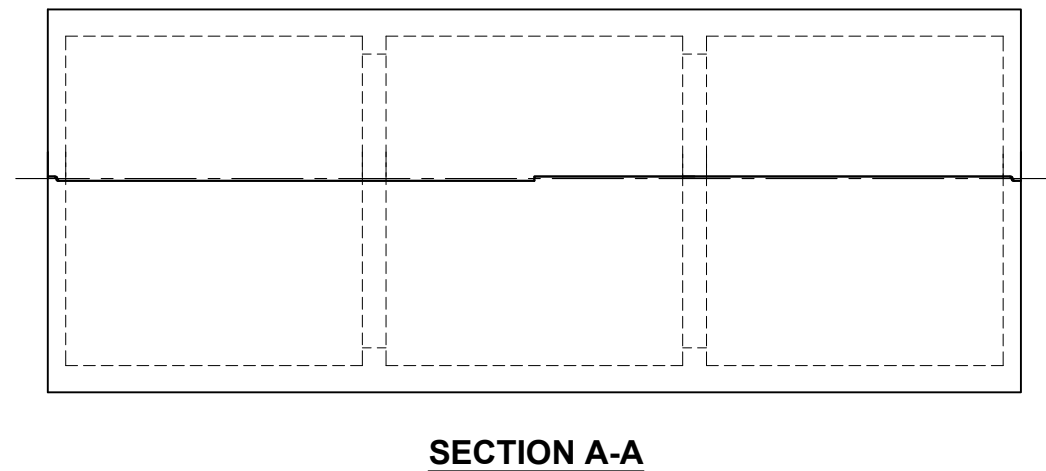
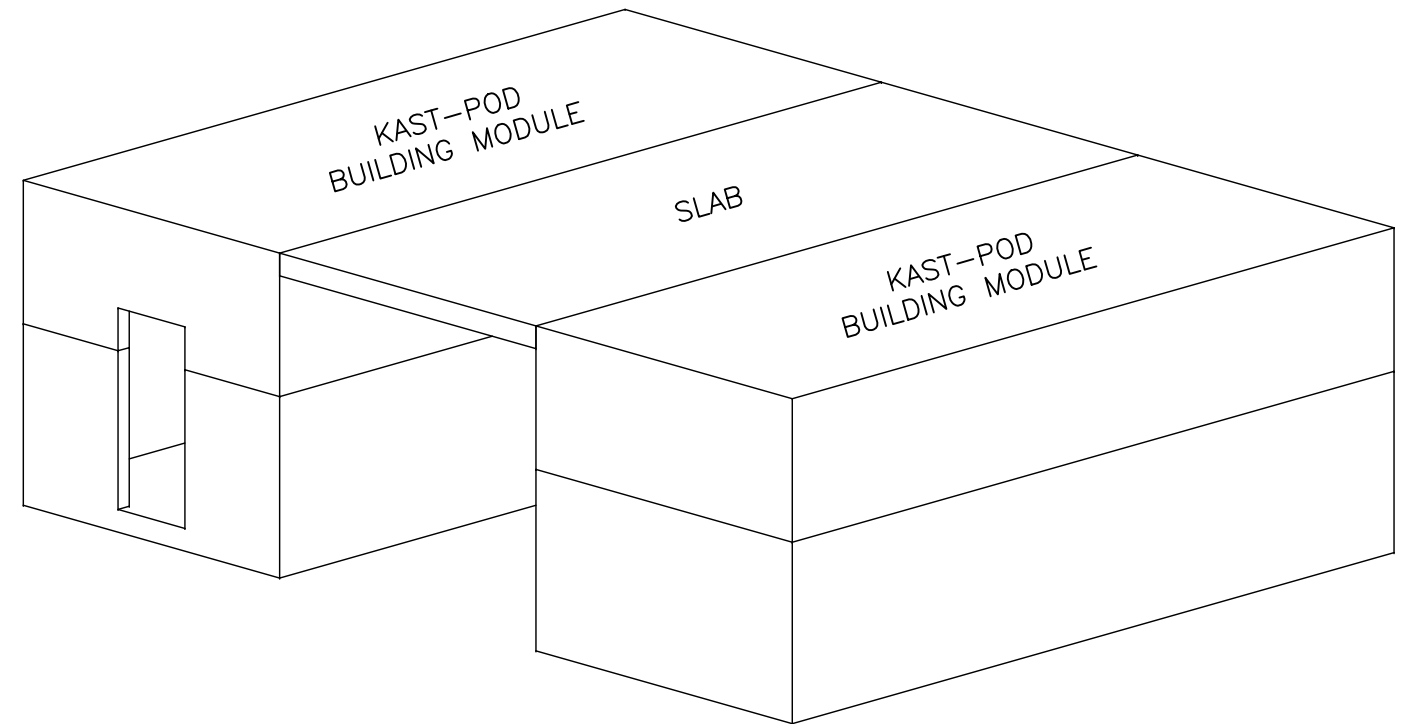
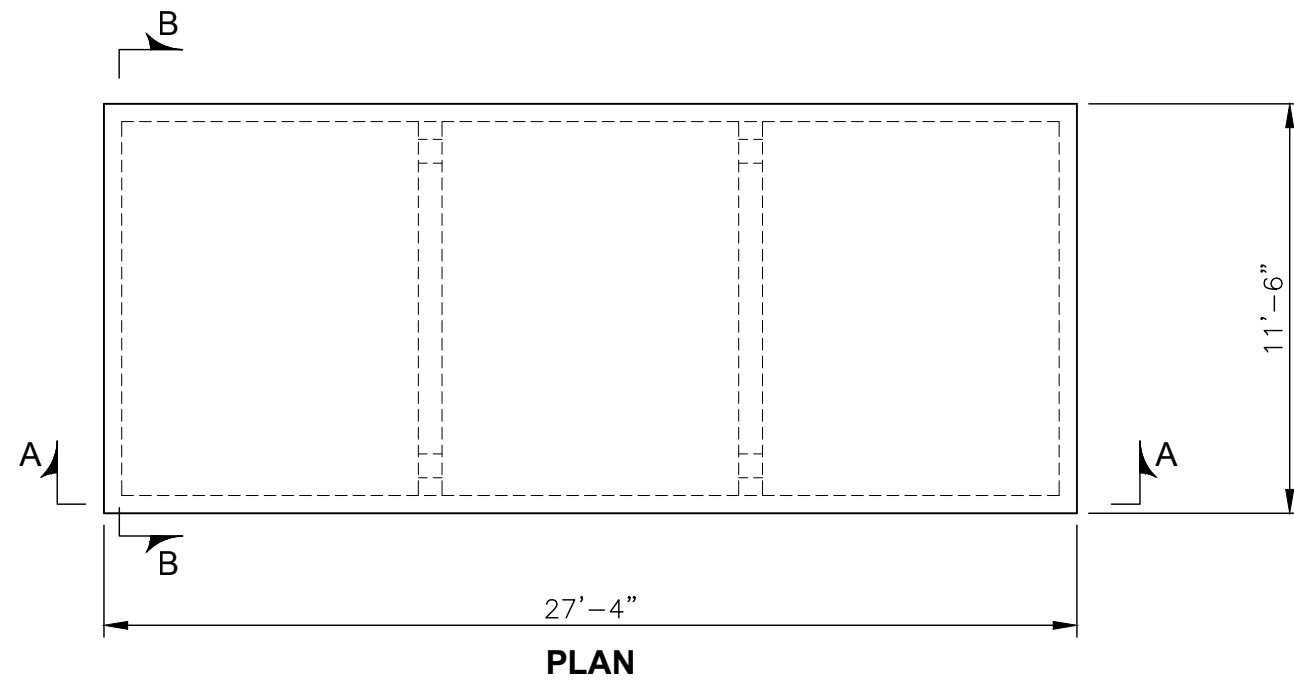
SHEET TITLE:

**FIELD LIFT DETAILS**

SHEET NO: **P-16**  
FILE NAME: **10k-26k ST-EFF TANK-SW\_R6**

L:\CADD\PRODUCTS\SQUARE AND RECTANGULAR STRUCTURES\VAULTS\10k-26k-SEP-EFF TANK WRKBK\10k-26k-ST-EFF TANK-SW\_R6.dwg

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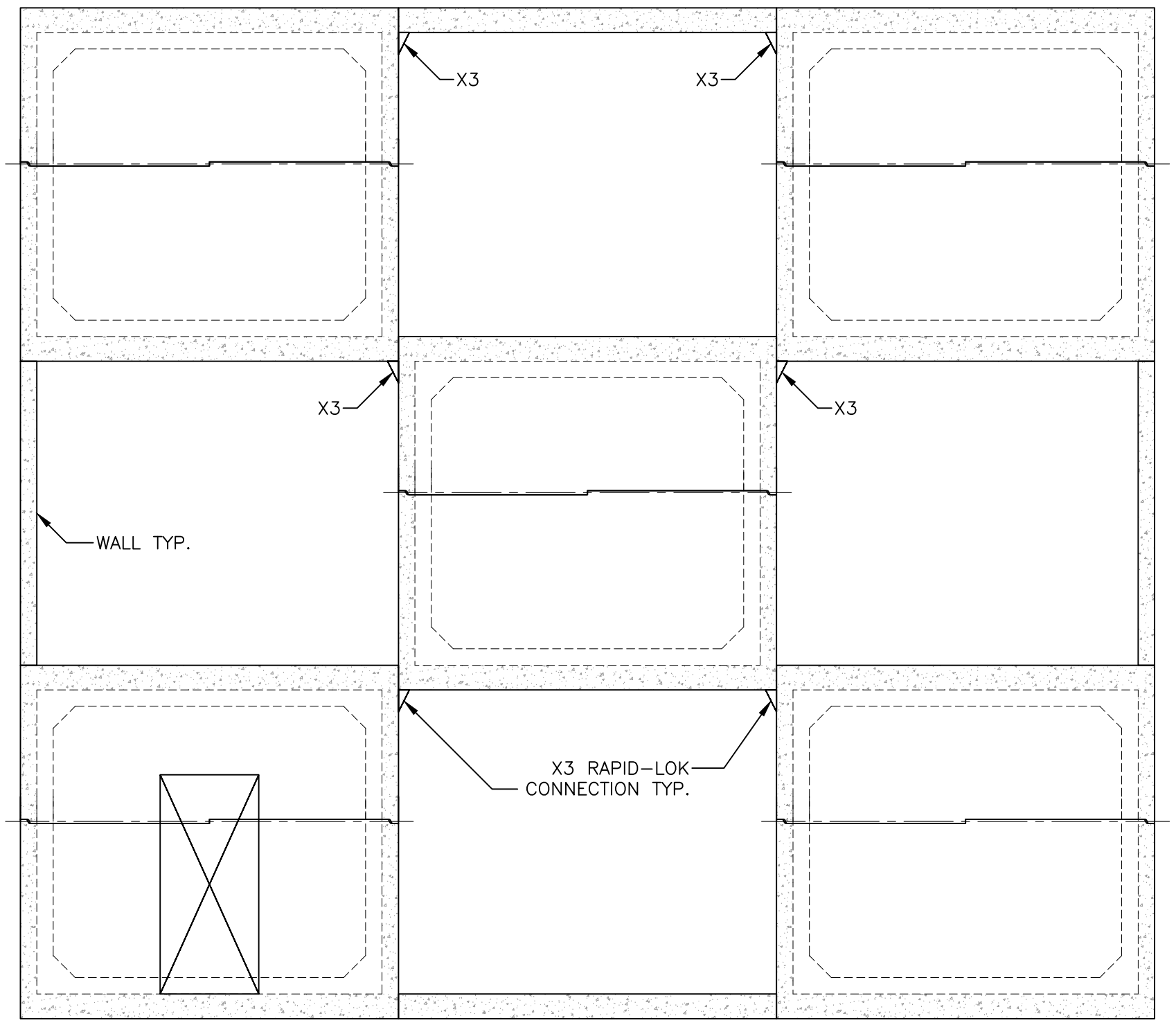


**SPECIFICATIONS:**  
 CONCRETE: 5,000 PSI @ 28 DAYS  
 ENTRAINED AIR: 5%–9%  
 STEEL: ASTM A496–A615  
 GRADE 60–60 KSI.  
**DESIGN LOADING:** AASHTO HS-20-44 WITH 30%  
 IMPACT AND EQUIVALENT SOIL  
 PRESSURE OF 30 PCF.  
 6 FT. OF FILL OVER TOP OF TANK.  
**FLOATATION FORCES:** WATER TABLE 3 FT. DOWN FROM GRADE.  
 FLOATATION FORCES NOT ACCOUNTED FOR.  
**STEEL:**  
 TOP 55,500 LBS  
 BOTTOM 62,250 LBS  
 TOTAL 117,750 LBS

NOTE: SIDEWALL SURFACE AREA AVAILABLE: 310 SQ. FT./UNIT

	<b>KISTNER CONCRETE PRODUCTS, INC.</b> 5550 HINMAN ROAD LOCKPORT, NEW YORK 14094 PHONE 716-434-6157	REV. NO.	DATE	DESCRIPTION	DRAWN BY: <b>ZMS</b>	DATE: <b>11/16/19</b>	PROJECT: <b>10K TO 26K SEPTIC / EFFLUENT / UTILITY TANKS - PRESENTATION WORKBOOK</b>	SHEET TITLE: <b>PRESENTATION OF TANK DETAILS KAST-POD BUILDING MODULE</b>	SHEET NO.: <b>P-17</b>
					CK'D BY: <b>MJK</b>	SCALE: <b>N.T.S.</b>			FILE NAME: <b>10k-26k ST-EFF TANK-SW_R6</b>

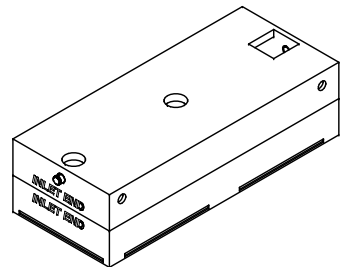
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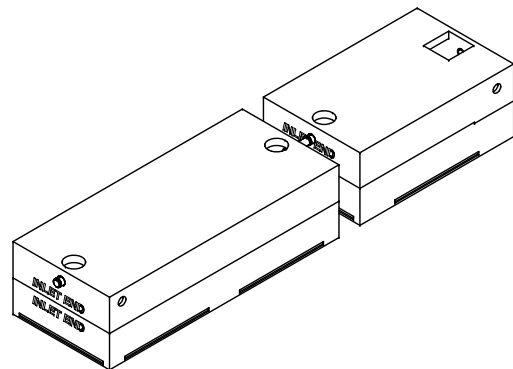
	5550 HINMAN ROAD LOCKPORT, NEW YORK 14094 PHONE 716-434-6157		DRAWN BY: <b>ZMS</b>	DATE: <b>11/16/19</b>	PROJECT: <b>10K TO 26K SEPTIC / EFFLUENT / UTILITY                  TANKS - PRESENTATION WORKBOOK</b>	SHEET TITLE: <b>PRESENTATION OF TANK DETAILS                  KAST-POD BUILDING MODULE</b>	SHEET NO.: <b>P-17A</b>
	REV. NO.	DATE	DESCRIPTION	CK'D BY: <b>MJK</b>			SCALE: <b>N.T.S.</b>

Project: **10k, 17k, 20k, & 27k GALLON GGI**  
**12k, 14k, 24k to 26k GALLON EFFLUENT/UTILITY TANK - GGI**

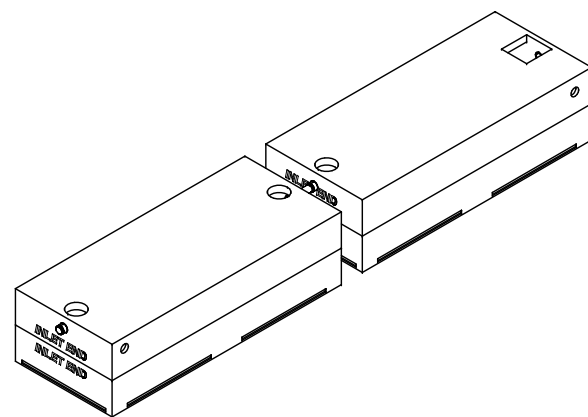
Location: **KCP LOCKPORT**



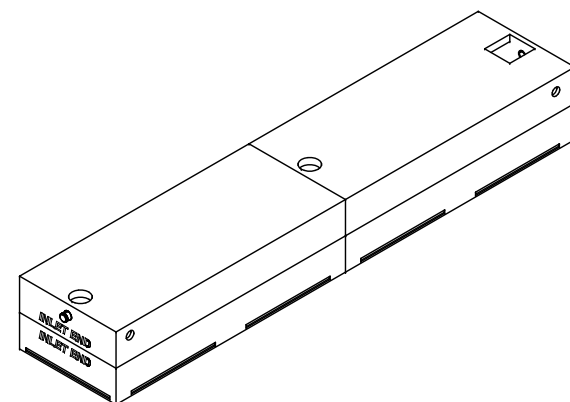
**10K - GGI**  
 (OUTSIDE DIMENSIONS:  
 27'-4"L x 11'-6"W x 7'-6"H)  
 [26.75 CU. YD.]



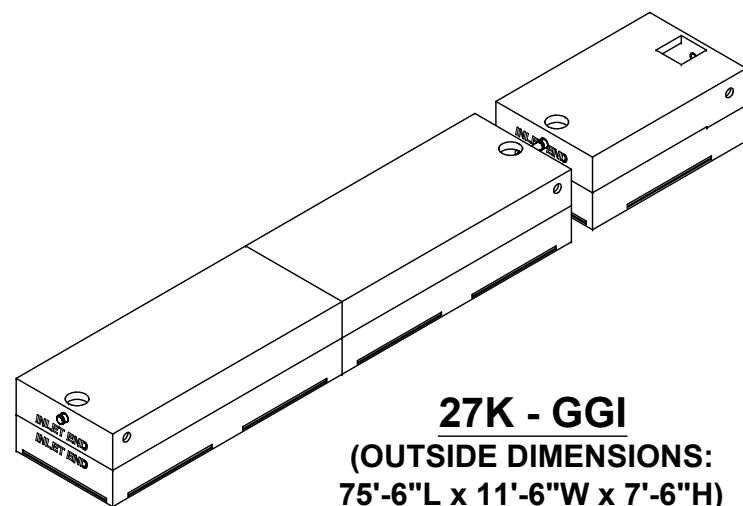
**17K - GGI**  
 (OUTSIDE DIMENSIONS:  
 48'-2"L x 11'-6"W x 7'-6"H)  
 [44.5 CU. YD.]



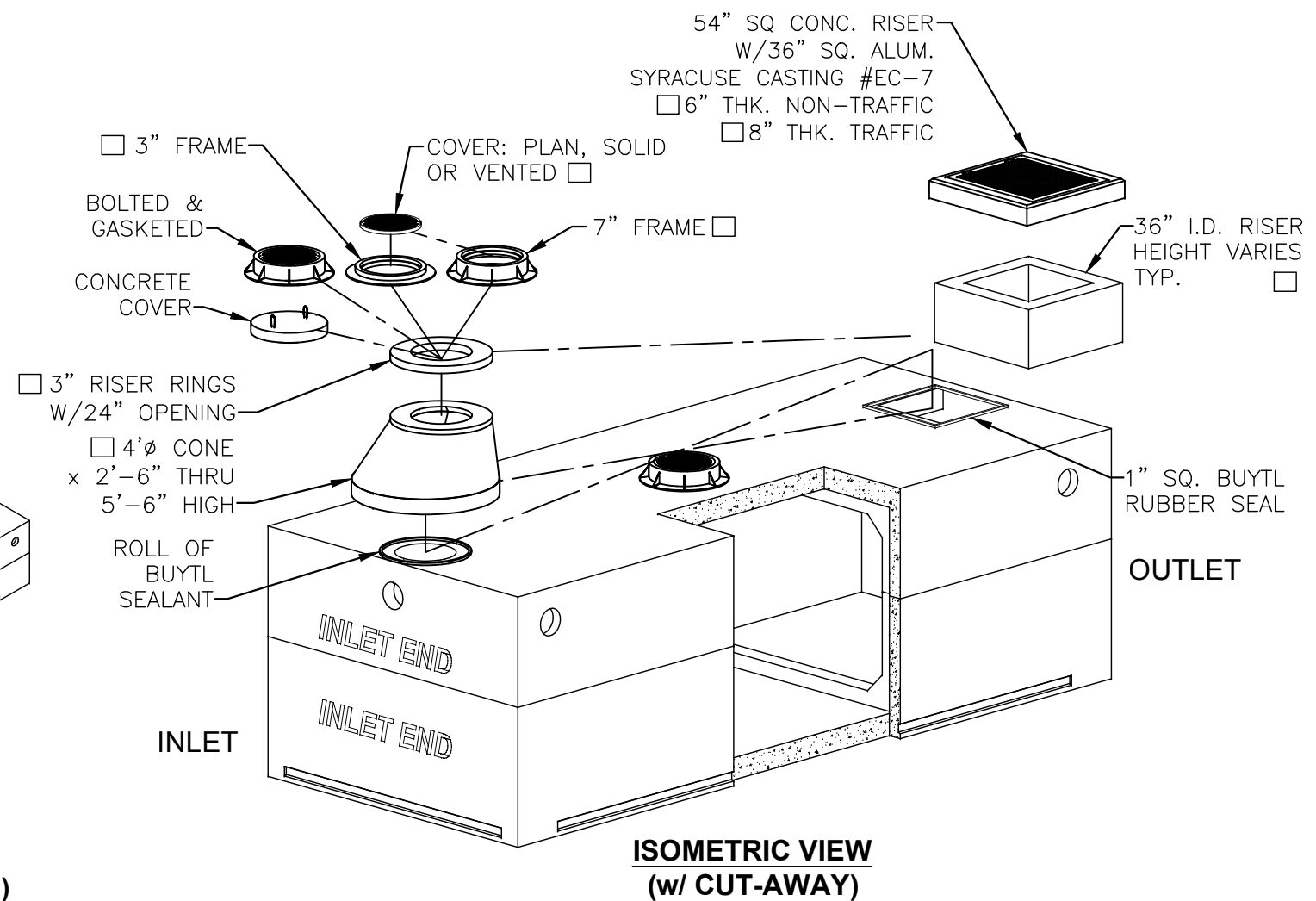
**20K-5050 - GGI**  
 (OUTSIDE DIMENSIONS:  
 57'-2"L x 11'-6"W x 7'-6"H)  
 [52.75 CU. YD.]



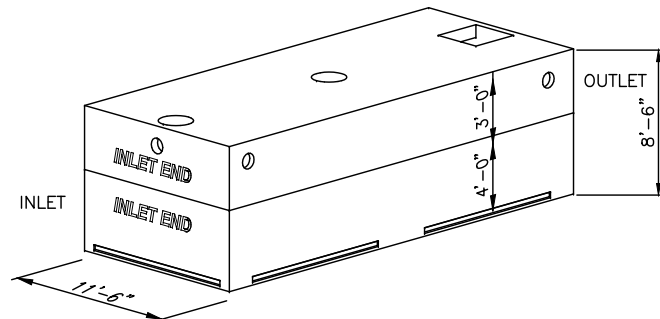
**20K-66-33 - GGI**  
 (OUTSIDE DIMENSIONS:  
 54'-8"L x 11'-6"W x 7'-6"H)  
 [51.5 CU. YD.]



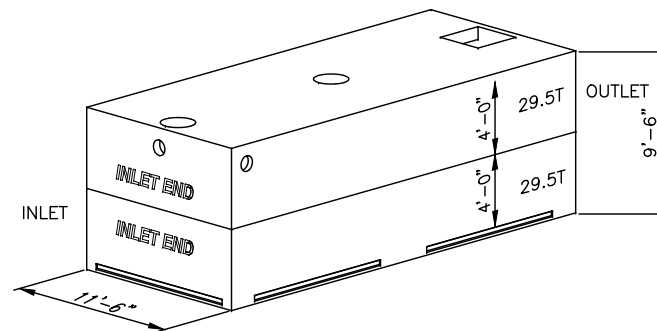
**27K - GGI**  
 (OUTSIDE DIMENSIONS:  
 75'-6"L x 11'-6"W x 7'-6"H)  
 [69.4 CU. YD.]



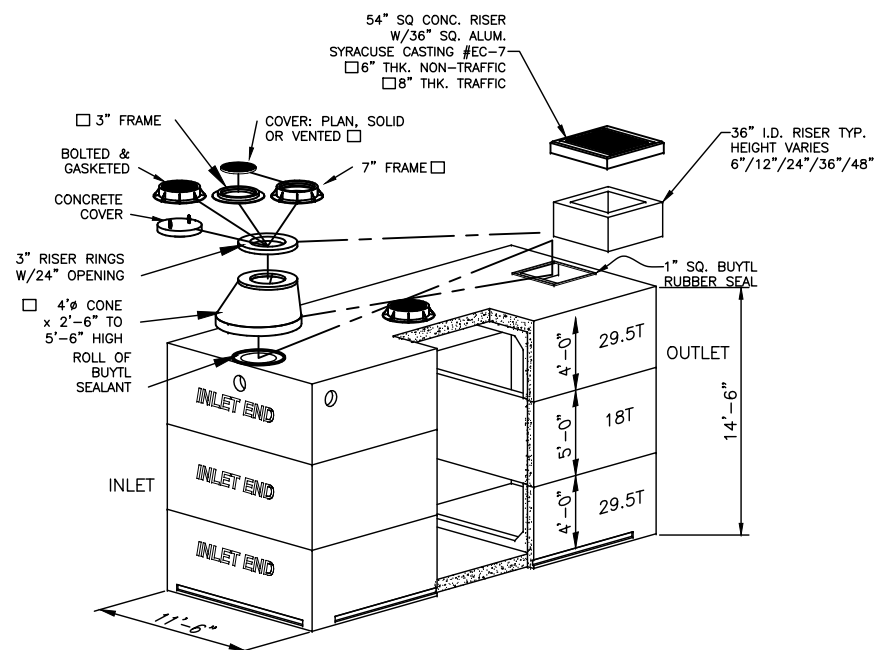
Project: **10k, 17k, 20k, & 27k GALLON GGI**  
**12K, 14k, 24k to 26k GALLON EFFLUENT/UTILITY TANK - GGI**  
 Location: **KCP LOCKPORT**



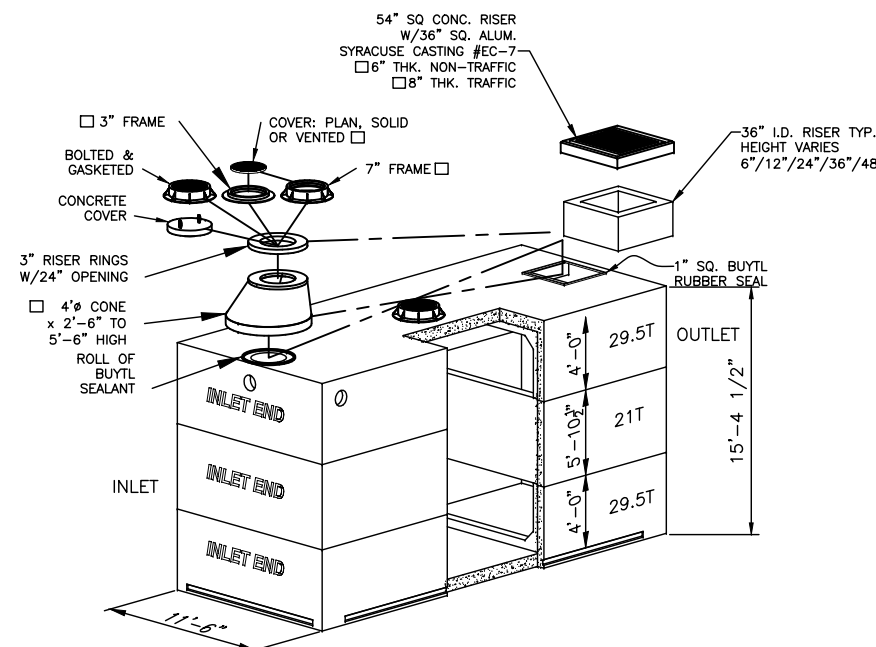
**12K - EFFLUENT / UTILITY TANK - GGI**  
 (OUTSIDE DIMENSIONS:  
 27'-4" L x 11'-6" W x 8'-6" H)  
 [28.5 CU. YD.]



**14K - EFFLUENT / UTILITY TANK - GGI**  
 (OUTSIDE DIMENSIONS:  
 27'-4" L x 11'-6" W x 9'-6" H)  
 [29.25 CU. YD.]



**24K - EFFLUENT / UTILITY TANK - GGI**  
 (OUTSIDE DIMENSIONS:  
 27'-4" L x 11'-6" W x 14'-6" H)  
 [38.75 CU. YD.]



**26K - EFFLUENT / UTILITY TANK - GGI**  
 (OUTSIDE DIMENSIONS:  
 27'-4" L x 11'-6" W x 15'-4 1/2" H)  
 [40.5 CU. YD.]

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