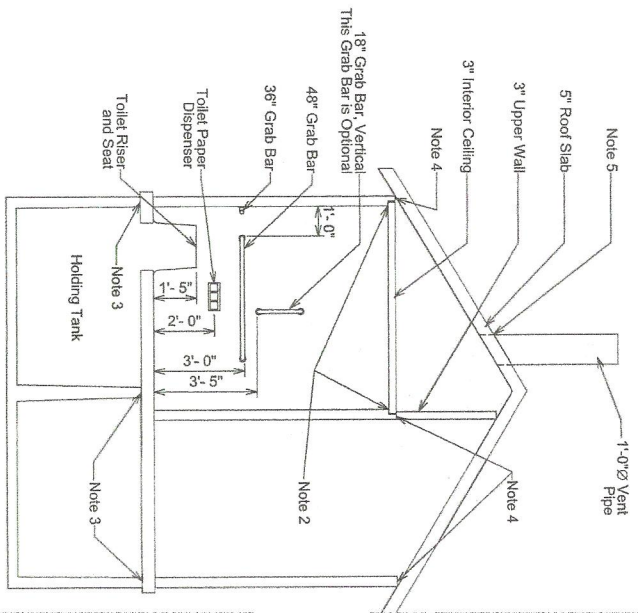


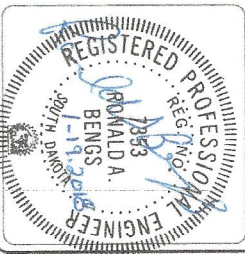
TOILET FLOOR PLAN
Scale 1/2"=1'-0"

- PLAN NOTES**
1. The Manufacturer will place interior vent wall using a High Performance Polyurethane Sealant. This will attach the wall to the exterior walls and also seal the toilet room from odors.
 2. The interior ceiling is placed and then sealed from the interior using a High Performance Polyurethane Sealant.
 3. The Manufacturer will place CS-665 CONSEAL around the top of the wall of the holding tank prior to placing the floor and walls of the Clovemist Plus (Left Hand) Toilet.
 4. The Manufacturer will place CS-665 CONSEAL around the top of the wall of the Toilet Room prior to placing the roof assembly of the Clovemist Plus (Left Hand) Toilet.
 5. The Manufacturer will place the roof vent stack using a squeeze fit and a High Performance Polyurethane Sealant around the outside perimeter.



TOILET INTERIOR BUILDING SECTION A-A
Scale 1/4"=1'-0"

- GENERAL NOTES**
- A. GOVERNING CODES**
1. INTERNATIONAL BUILDING CODE (IBC), 2012 AND 2015 EDITIONS
 2. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14
- B. DESIGN LOADS AND CRITERIA**
1. FLOOR: 400 PSF LIVE LOAD (MINIMUM)
 2. FLOOR: 350 PSF SNOW LOAD (MINIMUM)
 3. WIND: 150 MPH, 3 SECOND GUST SPEED
 4. SEISMIC DESIGN CATEGORY: C
 5. RAINFALL: 5.0 IN PER YEAR
 6. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60
 7. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON THE DRAWINGS.



Sheet Number
1

INTERSTATE ENGINEERING
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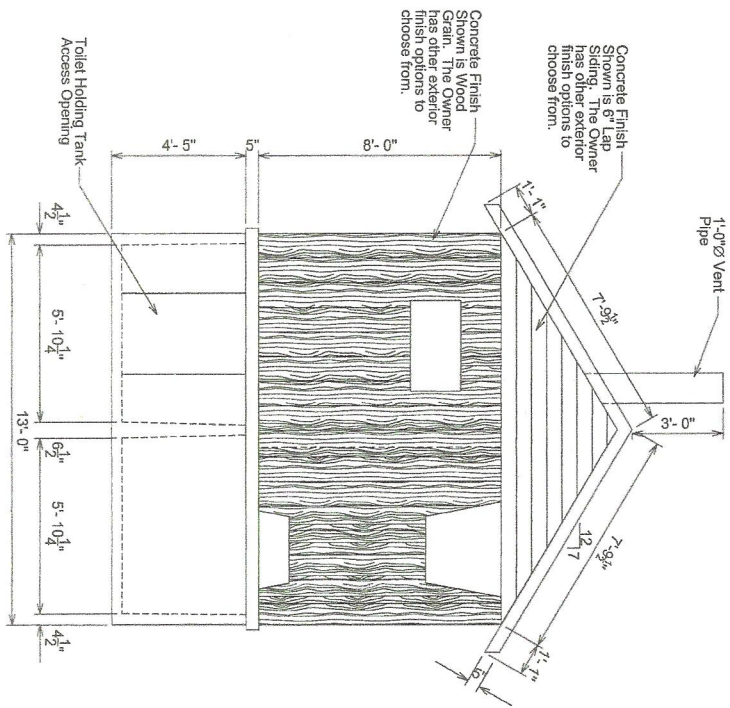
Interstate Engineering, Inc.
P.O. Box 226
123 E. Jackson Blvd, Suite 1
Spearfish, S.D., 57783
Ph (605) 642-4772
Fax (605) 642-4773
www.interstateeng.com
Office in North Dakota, Minnesota, Montana and South Dakota

BOOM CLOVEMIST PLUS (LEFT HAND)
For BOOM CONCRETE, INC.
220 Girard Avenue, P.O. Box 437, Newell, SD 57760

FLOOR PLAN AND NOTES

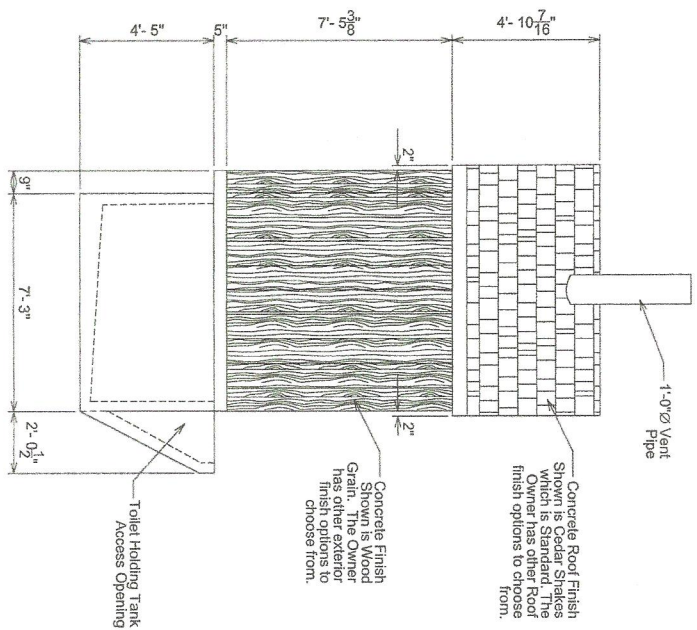
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Checked By: RAB Designed By: AJD Date: Jan 17, 2018

No.	Date	By	Description

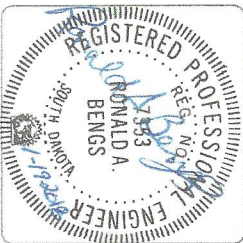


REAR ELEVATION
Scale 1/4"=1'-0"

- NOTES:
1. THE EXTERIOR FINISH SHOWN IS WOOD GRAIN AND 6" LAP SIDING, BUT OTHER FINISH TYPES ARE AVAILABLE AS OPTIONS.
 2. THE EXTERIOR ROOF FINISH SHOWN IS CEDAR SHAKES, BUT OTHER ROOF FINISH TYPES ARE AVAILABLE AS OPTIONS.
 3. HOLDING TANK CAPACITY IS 165.2 c.f. = 1235.7 gallons



SIDE ELEVATION
Scale 1/4"=1'-0"



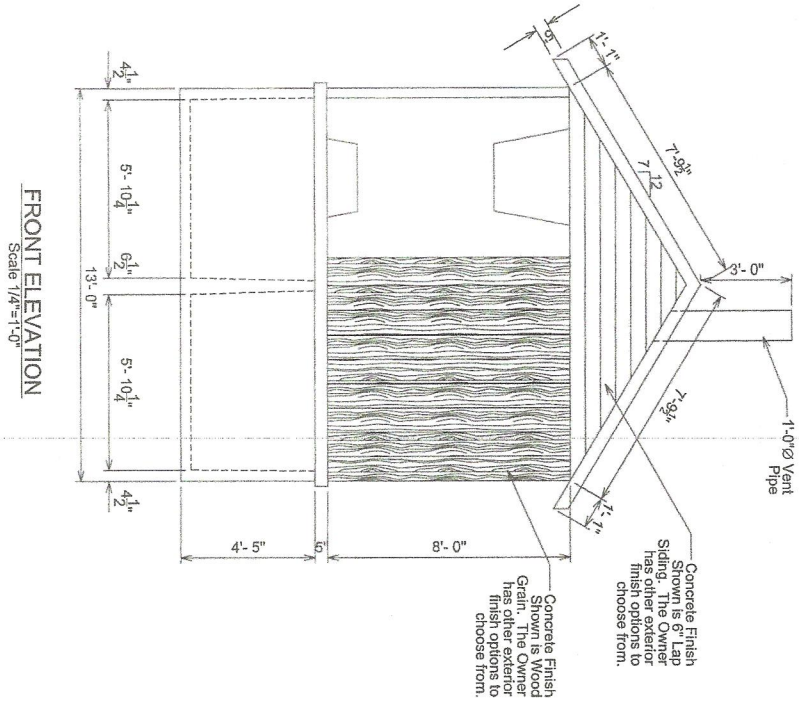
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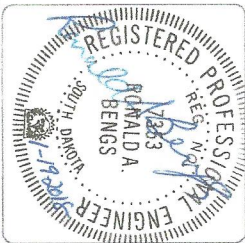
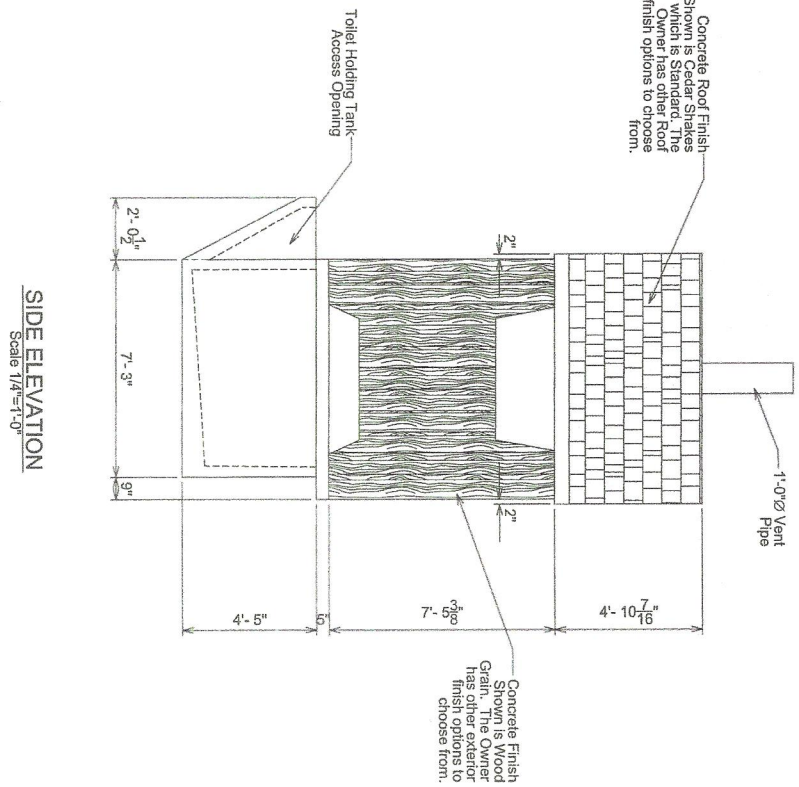
Interstate Engineering, Inc.
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BOOM CLOVERMIST PLUS (LEFT HAND)			
220 Girard Avenue, P.O. Box 437, Newell, SD 57780			
ELEVATIONS			
Drawn By: AJD	Surveyed By: -	Project No: L17-04-213.01	
Checked By: RAR	Designed By: AJD	Date: Jan 17, 2018	

Rev. No.	Date	By	Description



- NOTES:
1. THE EXTERIOR FINISH SHOWN IS WOOD GRAIN AND 6" LAP SIDING. BUT OTHER FINISH TYPES ARE AVAILABLE AS OPTIONS.
 2. THE EXTERIOR ROOF FINISH SHOWN IS CEDAR SHAKES. BUT OTHER ROOF FINISH TYPES ARE AVAILABLE AS OPTIONS.
 3. HOLDING TANK CAPACITY IS 165.2 c.f. = 1235.7 gallons



Sheet Number
3

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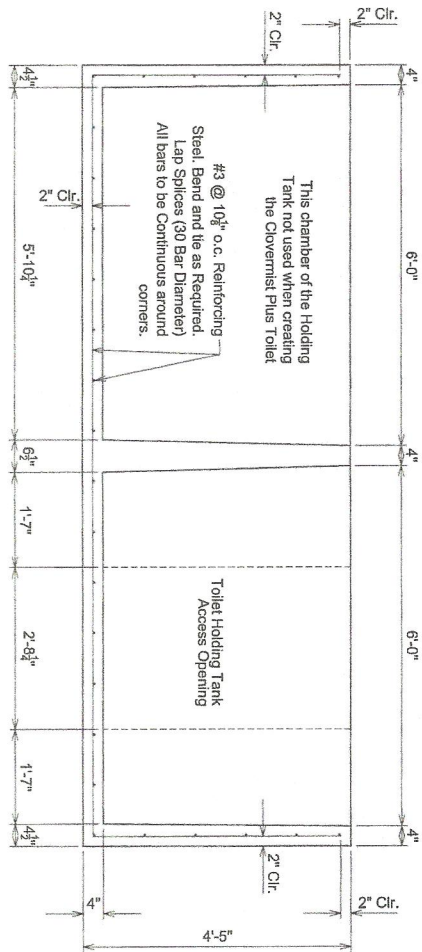
Interstate Engineering, Inc.
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For BOOM CONCRETE, INC.
220 Girard Avenue, P.O. Box 437, Newell, SD 57760

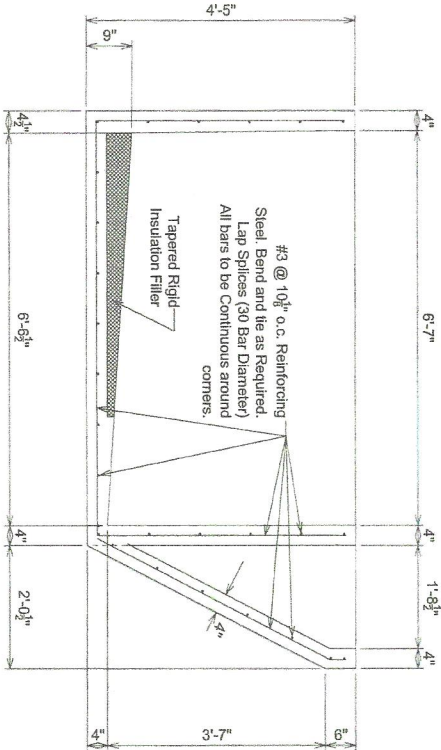
ELEVATIONS

Drawn By: <u>AJD</u>	Surveyed By: <u>-</u>	Project No: <u>L17-04-213.01</u>
Checked By: <u>R&R</u>	Designed By: <u>AJD</u>	Date: <u>Jan. 17, 2018</u>

Rev. No.	Date	By	Description



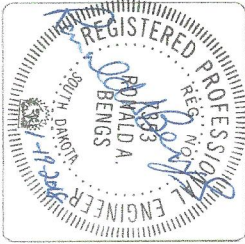
HOLDING TANK SECTION 1
Scale 1/2"=1'-0"



HOLDING TANK SECTION 2
Scale 1/2"=1'-0"

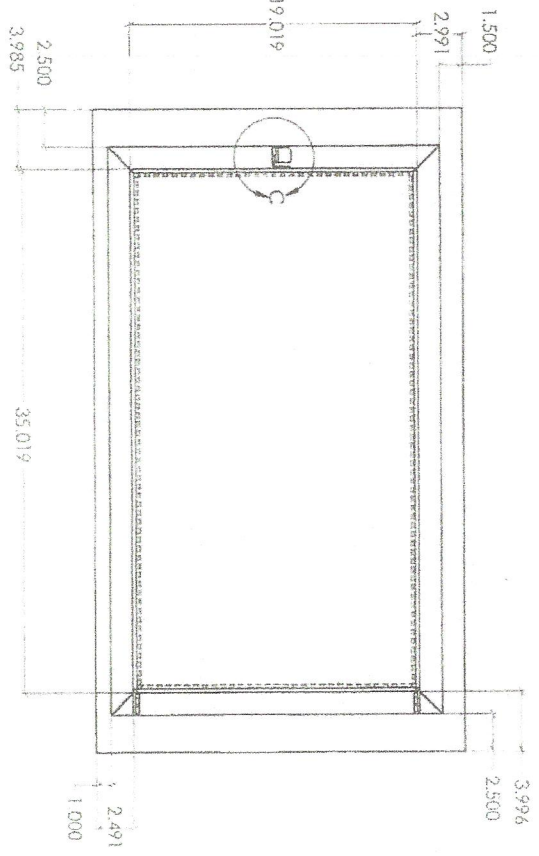
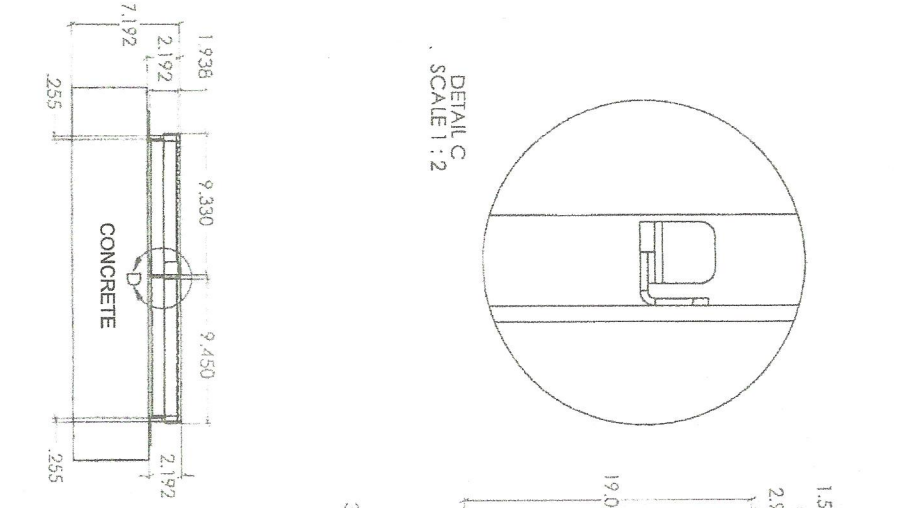
- Notes:**
- 1 This Holding Tank is shown with a Liner.
 - 2. If the Liner Option is not used the rigid insulation is removed and replaced with concrete.

- HOLDING TANK NOTES**
1. THE MANUFACTURER HAS SUPPLIED A EPA APPROVED LINER IN THE HOLDING TANK. THIS LINER IS CAST INTO THE TANK. THE LINER IS AN OPTION FOR ALL TOILET ASSEMBLIES. CONTACT THE MANUFACTURER.
 2. HOLDING TANK CAPACITY IS 166.2 c.f. = 1235.7 gallons.
 3. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON THE DRAWINGS.

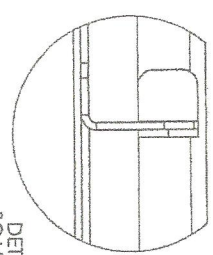


Rev. No.	Date	By	Description

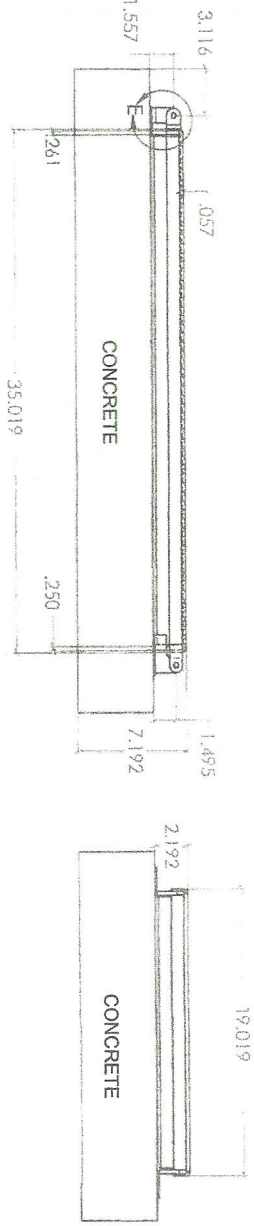
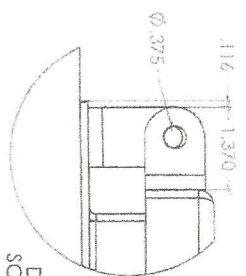
DETAIL C
SCALE 1:2



DETAIL D
SCALE 1:2



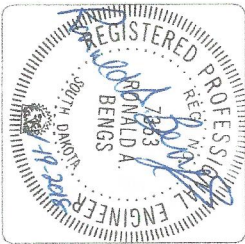
DETAIL E
SCALE 1:2



HOLDING TANK ACCESS LID
Scale N.T.S.

HOLDING TANK ACCESS LID NOTES

1. THE ACCESS LID IS MANUFACTURED BY MSI/TRUCATCH 300 INDUSTRIAL ST., BELLE FOURCHE, SD, 57717.
2. ALL METAL USED IN THE LID AND FRAME IS 304 STAINLESS STEEL.
3. THE GAUGE THICKNESS SHALL BE 7 GAUGE TO ALLOW FOR THE 350 PSF SNOW LOADING.



Rev. No.	Date	By	Description