

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

**GENERAL NOTES**

**A. GOVERNING CODES**

- INTERNATIONAL BUILDING CODE (IBC), 2012 AND 2015 EDITIONS
- INTERNATIONAL CODE COUNCIL A117.1-2009, STANDARD FOR ACCESSIBLE AND USABLE BUILDING AND FACILITIES
- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-14

**B. DESIGN LOADS AND CRITERIA**

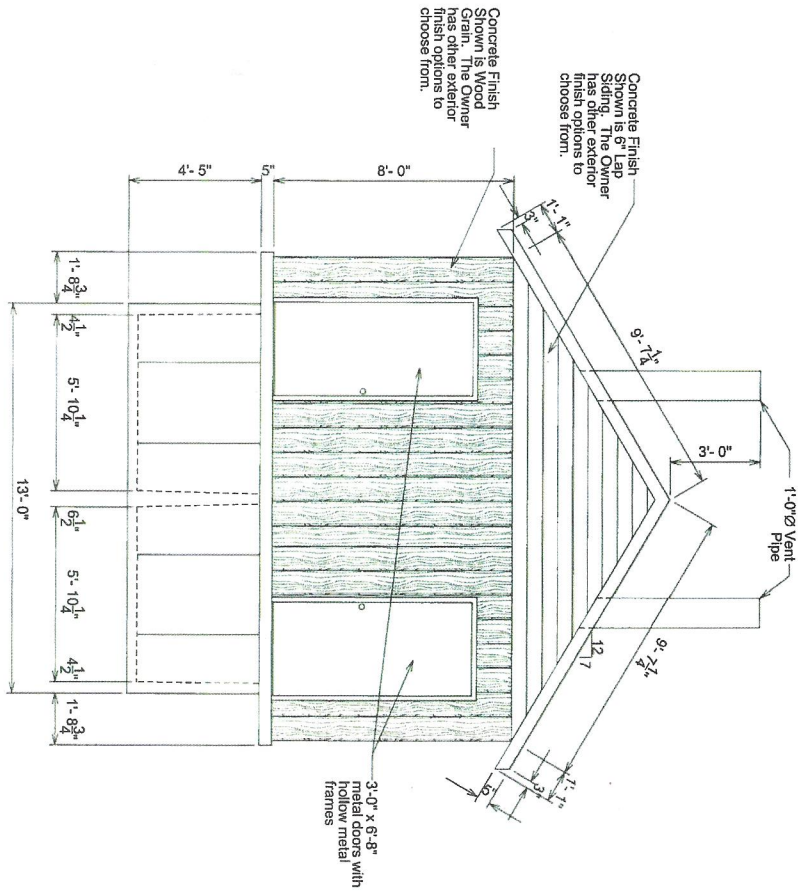
- ROOF: 350 PSF SNOW LOAD (MINIMUM)
- FLOOR: 400 PSF LIVE LOAD (MINIMUM)
- WIND: 150 MPH (3 SECOND GUST) EXPOSURE C
- SEISMIC CRITERIA GROUP 1 CATEGORY E
- CONCRETE STRENGTH 4,500 PSI (MINIMUM) IN 28 DAYS
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
- PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON THE DRAWINGS.

**PLAN NOTES**

- The Manufacturer will place interior toilet vent wall using four weld plates that will attach to the chase room walls. In addition to the wall two PVC pipe will be installed behind the wall to carry the sewer gas to the gable space then to the out side.
- The interior ceiling is placed and then sealed from the interior using a High Performance Polyurethane Sealant.
- The Manufacturer will place CS-665 CONSEAL around the top of the walls of the holding tank prior to placing the floor and walls of the Clovemist Double With Chase Toilet.
- The Manufacturer will place CS-665 CONSEAL around the top of the walls of the Toilet Room prior to placing the roof assembly of the Clovemist Double With Chase Toilet.
- The Manufacturer will place the roof vent stacks using a squeeze fit and a High Performance Polyurethane Sealant around the outside perimeter.

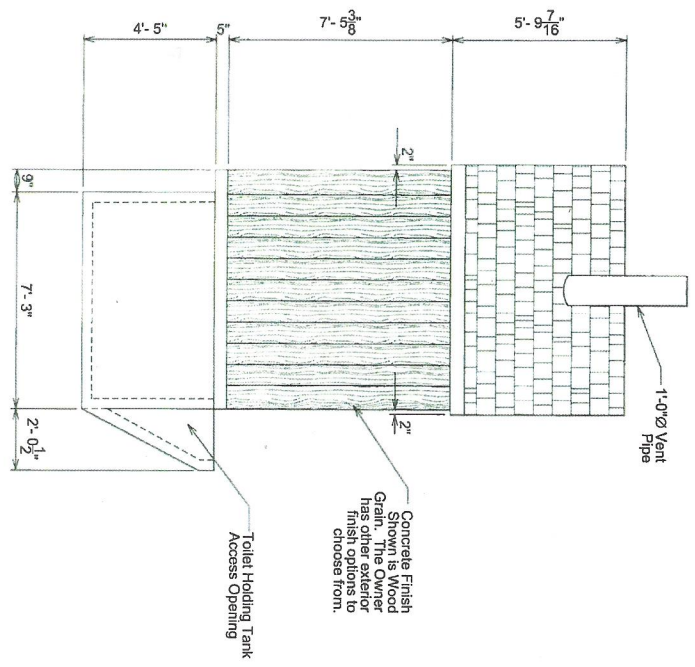


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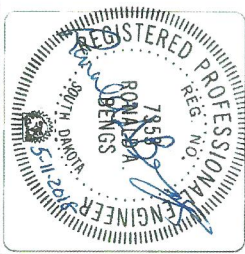


**FRONT ELEVATION**  
Scale 1/4"=1'-0"

- NOTES:
1. THE EXTERIOR FINISH SHOWN IS WOOD GRAIN, BUT OTHER FINISH TYPES ARE AVAILABLE.
  2. HOLDING TANK CAPACITY IS 165.2 c.f. = 1235.7 gallons FOR EACH USEABLE TANK.



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



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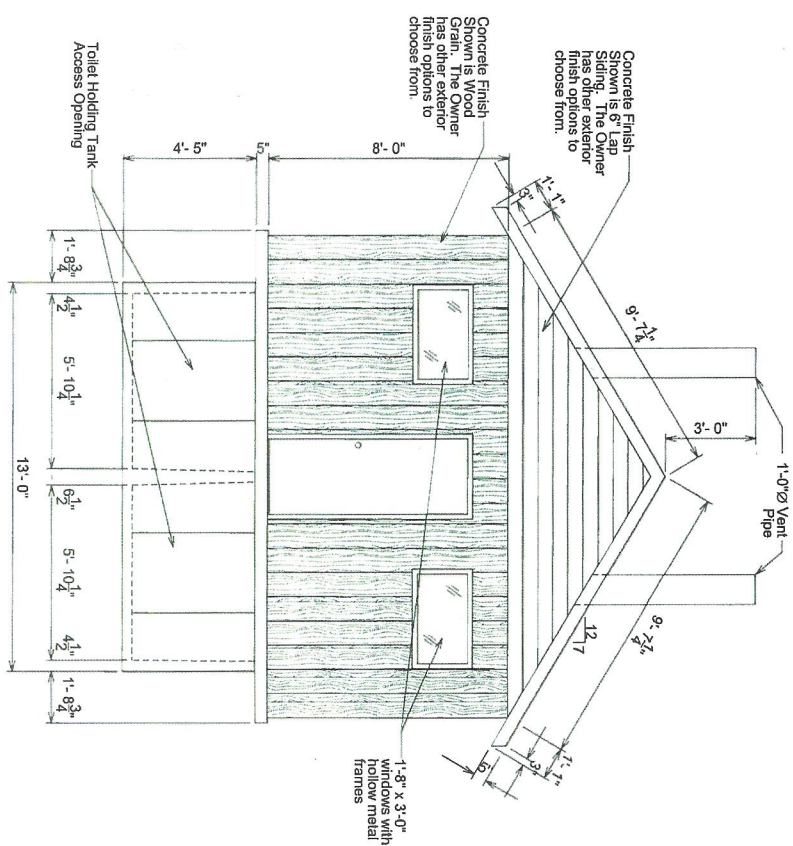
Interstate Engineering, Inc.  
P.O. Box 226  
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Offices in North Dakota, Minnesota, Montana and South Dakota

**BOOM CLOVERMIST DOUBLE WITH CHASE**  
For: BOOM CONCRETE, INC.,  
220 Girard Avenue, P.O. Box 437, Newell, SD 57760

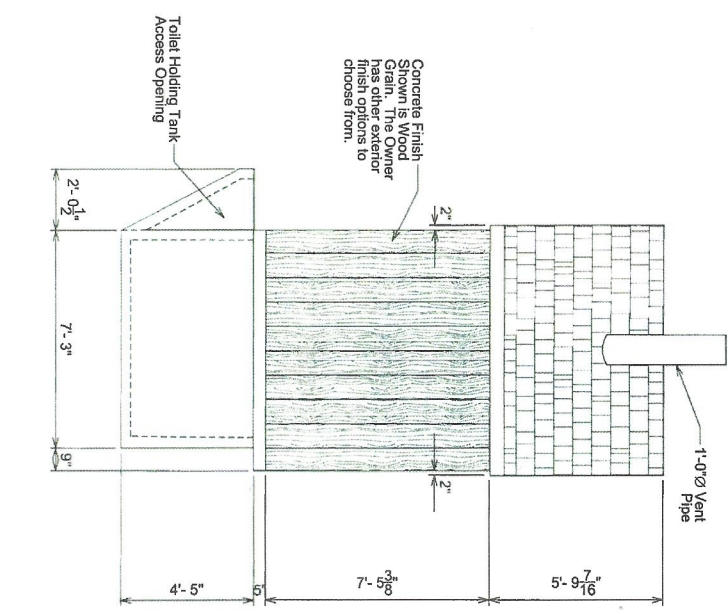
**ELEVATIONS**

Drawn By: AJD    Surveyed By: \_\_\_\_\_    Project No.: L17-04-213  
Checked By: RAB    Designed By: AJD    Date: March 12, 2016

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



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

- NOTES
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  2. HOLDING TANK CAPACITY IS 165.2 c.f. = 1235.7 gallons FOR EACH USEABLE TANK.



Sheet Number  
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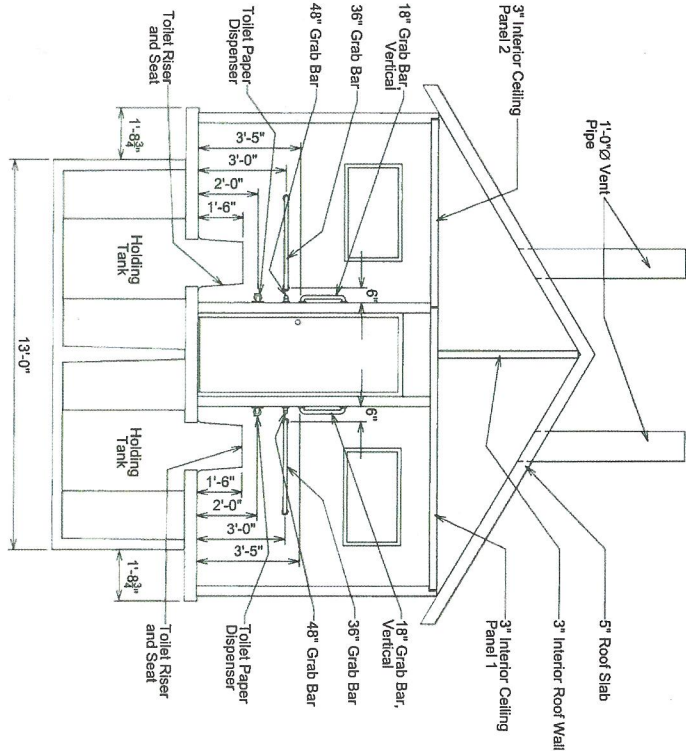
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**ELEVATIONS**

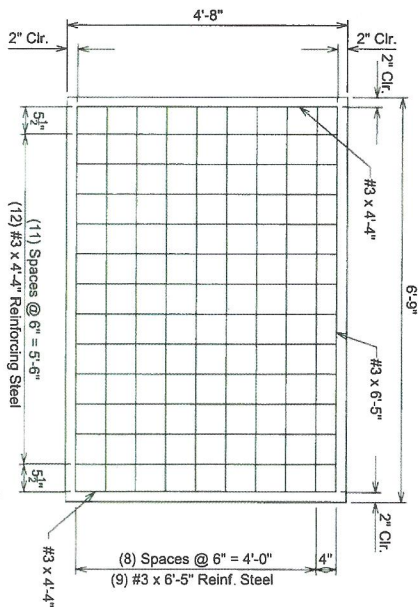
Drawn By: AJD Surveyed By: - Project No: 117-04-213  
Checked By: RAB Designed By: AJD Date: March 12, 2018

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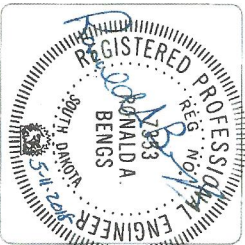
TOILET INTERIOR BUILDING SECTION AA  
Scale 1/4"=1'-0"



3" THICK UPPER INTERIOR ROOF WALL  
Scale 1/2"=1'-0"



NOTES:  
1 THE ROOF WALL REINFORCEMENT SHALL BE #3 AT 6" O.C. EACH WAY. THE REINFORCEMENT SHALL MAINTAIN A 2" CLEAR SPACE AROUND THE PERIMETER OF THE SLAB. THE REINFORCING MAT SHALL BE PLACED IN THE MIDDLE OF THE SLAB.



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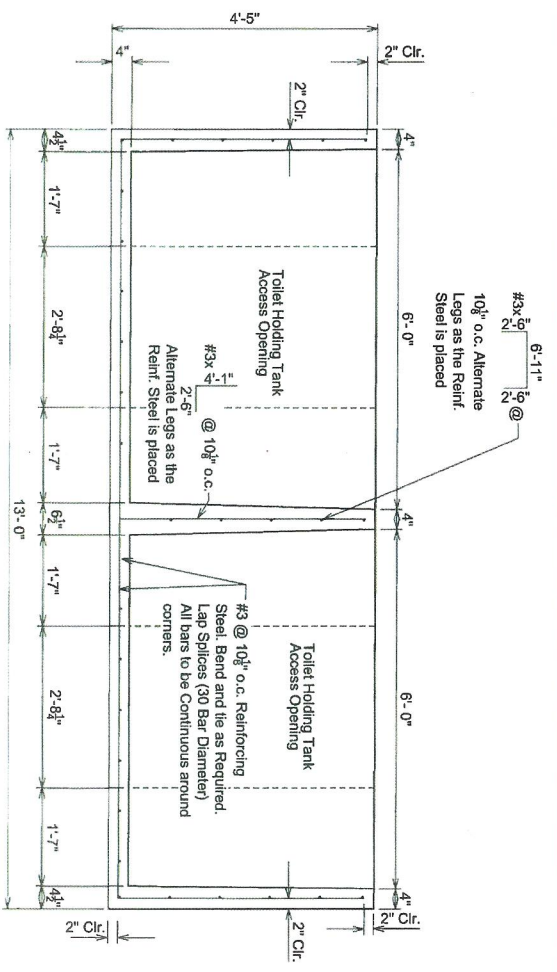
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Drawn By: A/JD  
Checked By: RAB

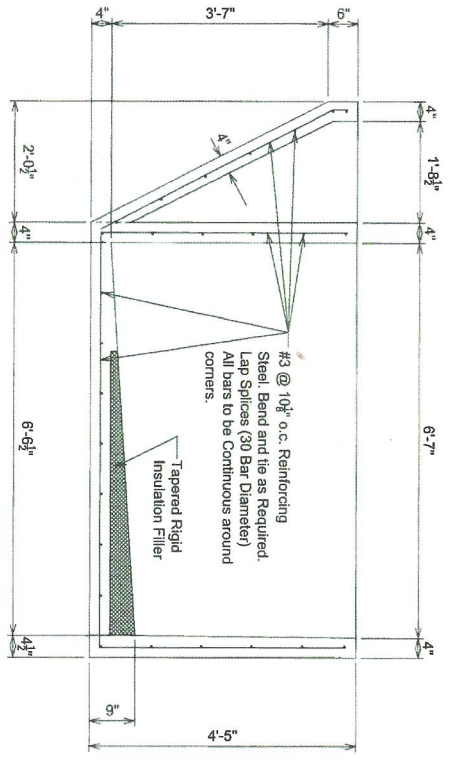
Surveyed By: -  
Designed By: A/JD

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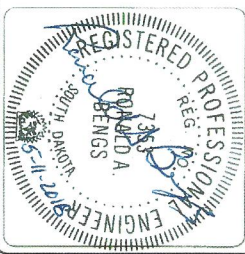


**HOLDING TANK SECTION 1**  
Scale 1/2"=1'-0"



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

- HOLDING TANK NOTES**
1. THE MANUFACTURER HAS SUPPLIED A E.P.A. APPROVED LINER IN THE HOLDING TANK. THIS LINER IS CAST INTO THE TANK.
  2. EACH HOLDING TANK CAPACITY IS 165.2 c.f. = 1235.7 gallons.
  3. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON THE DRAWINGS.



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**11**



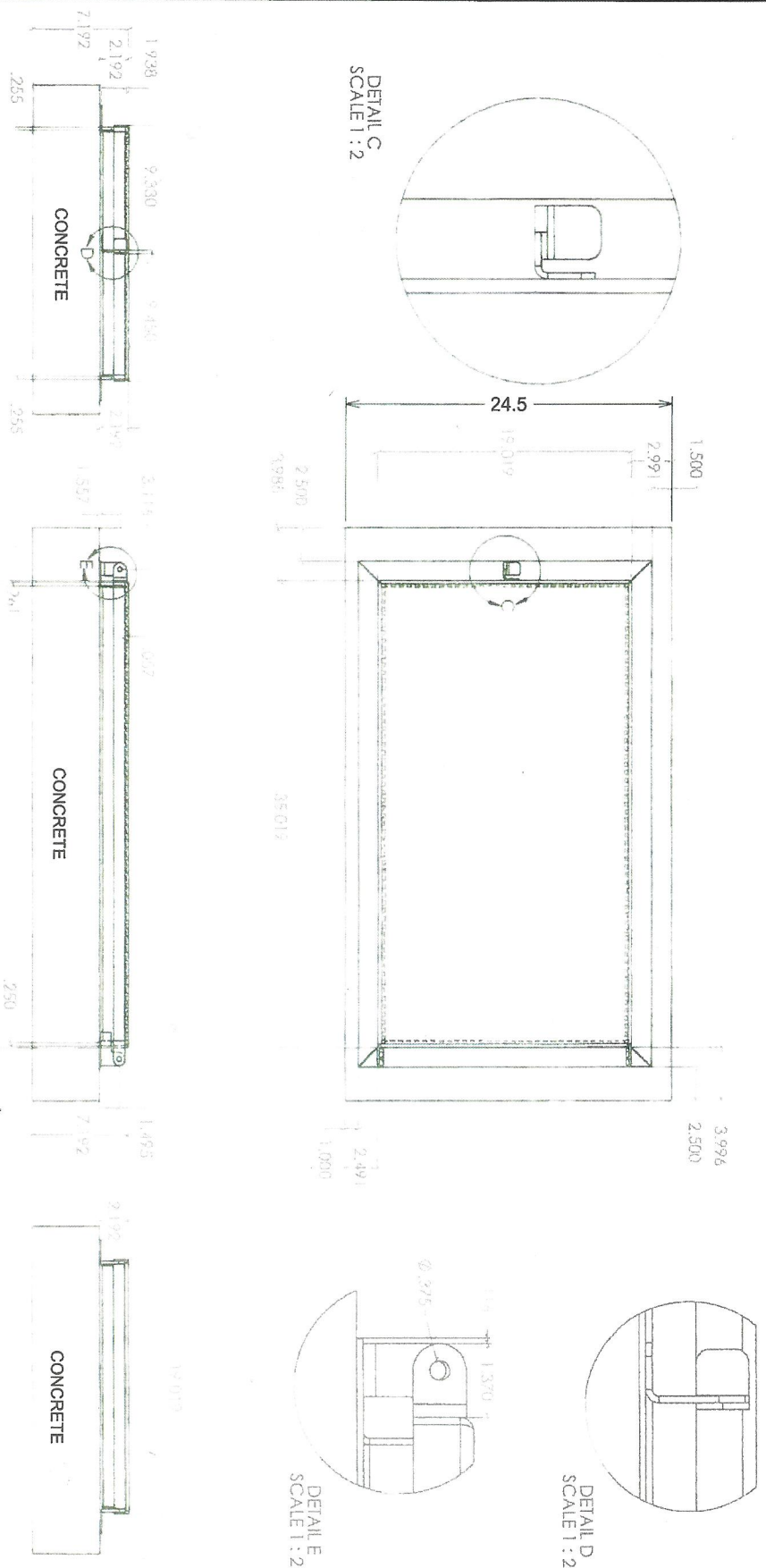
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**HOLDING TANK REINFORCEMENT LAYOUT**

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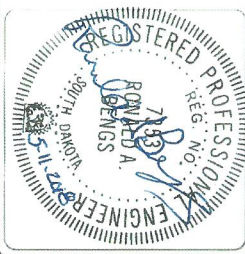
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**HOLDING TANK ACCESS LID**

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.



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