



May 15, 2014

JN 2043-01-01

New Bedford Conservation Commission
City Hall
133 William Street
New Bedford, MA 02740

RE: NOI FOR COMMUNITY BOATING, POPES ISLAND

Dear Commission Members,

On behalf of the City of New Bedford and the New Bedford Community Boating, Inc., we hereby submit the enclosed Notice of Intent for the erection of a 3,024 square foot Quonset-style shelter for the rowing shells at the Popes Island Marine Park (the Site). The location is within 100-feet of the coastal bank, the ocean and falls within Land Subject to Coastal Storm Flowage.

Since it is a small structure near the ocean, we are requesting that you waive compliance with Stormwater Management Standards. The primary resource is Land Subject to Coastal Storm Flowage. The only new discharge is from a clean roof area. Increase rate of runoff does not apply since it is adjacent to the ocean. Recharge is not relevant since groundwater is only 2-feet below the surface and the project is adjacent to the ocean. Water quality is not an issue since it is clean roof runoff. The land use does not have higher pollution loads and the Site is not in a critical area. A Permanent Operation and Maintenance Plan does not seem appropriate and an Illicit Discharge Statement also does not seem necessary. The proposed shelter is located over 50-feet from the water. Since heavy earthwork will not be required and the site is stabilized lawn, erosion control will not be needed.

We look forward to presenting this development to you at your next meeting. If you have any further questions, please do not hesitate to contact our office.

Sincerely,
PRIME ENGINEERING, INC.

A handwritten signature in black ink that reads 'Richard J. Rheume'.

Richard J. Rheume, P.E., LSP
Chief Engineer
Enc.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
New Bedford
City/Town

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

<u>86 Popes Island</u>	<u>New Bedford</u>	<u>02740</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:		
<u>60</u>	<u>41D38'26"N</u>	<u>70D54'42"W</u>
f. Assessors Map/Plat Number	d. Latitude	e. Longitude
	<u>2</u>	
	g. Parcel /Lot Number	

2. Applicant:

<u>Mary</u>	<u>Rapoza</u>	
a. First Name	b. Last Name	
<u>City of New Bedford Marine Park</u>		
c. Organization		
<u>181 Hillman Street - Building 3</u>		
d. Street Address		
<u>New Bedford</u>	<u>MA</u>	<u>02740</u>
e. City/Town	f. State	g. Zip Code
<u>508-961-3015</u>	<u>508-991-6175</u>	<u>Mary.Rapoza@newbedford-ma.gov</u>
h. Phone Number	i. Fax Number	j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

Same

a. First Name _____ b. Last Name _____

c. Organization _____

d. Street Address _____

e. City/Town _____ f. State _____ g. Zip Code _____

h. Phone Number _____ i. Fax Number _____ j. Email address _____

4. Representative (if any):

<u>Courtney</u>	<u>Cohen</u>	
a. First Name	b. Last Name	
<u>Prime Engineering, Inc.</u>		
c. Company		
<u>PO Box 1088</u>		
d. Street Address		
<u>Lakeville</u>	<u>MA</u>	<u>02347</u>
e. City/Town	f. State	g. Zip Code
<u>508-947-0050</u>	<u>508-947-2004</u>	<u>ccoeh@primeengineering.org</u>
h. Phone Number	i. Fax Number	j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

<u>\$0.00</u>		
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

The placement of a Quonset style shelter for rowing shells in an open grass area.

7a. Project Type Checklist:

- | | |
|---|---|
| 1. <input type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input checked="" type="checkbox"/> Other |

7b. Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project:

2. Limited Project

8. Property recorded at the Registry of Deeds for:

Bristol

a. County

653

c. Book

b. Certificate # (if registered land)

294

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet



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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Resource Area, Size of Proposed Alteration, Proposed Replacement (if any)
d. Bordering Land Subject to Flooding
e. Isolated Land Subject to Flooding
f. Riverfront Area
2. Width of Riverfront Area (check one):
3. Total area of Riverfront Area on the site of the proposed project:
4. Proposed alteration of the Riverfront Area:
5. Has an alternatives analysis been done and is it attached to this NOI?
6. Was the lot where the activity is proposed created prior to August 1, 1996?

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users: Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area, Size of Proposed Alteration, Proposed Replacement (if any)
a. Designated Port Areas
b. Land Under the Ocean
c. Barrier Beach
d. Coastal Beaches
e. Coastal Dunes



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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	2635	
	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	0	0
	_____	_____
	a. square feet of BVW	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/priority_habitat/online_viewer.htm.

a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
100 Hartwell Street, Suite 230
West Boylston, MA 01583**

2008
b. Date of map



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Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
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C. Other Applicable Standards and Requirements (cont'd)

3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
2. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a. Not applicable – project is in inland resource area only
- b. Yes No If yes, include proof of mailing or hand delivery of NOI to either:
- | | |
|---|--|
| South Shore - Cohasset to Rhode Island, and the Cape & Islands: | North Shore - Hull to New Hampshire: |
| Division of Marine Fisheries - Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694 | Division of Marine Fisheries - North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930 |

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a. Yes No
5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a. Yes No
6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
- Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 - A portion of the site constitutes redevelopment
 - Proprietary BMPs are included in the Stormwater Management System.
- b. No. Check why the project is exempt:
- Single-family house

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
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C. Other Applicable Standards and Requirements (cont'd)

- 2. Emergency road repair
- 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

- 1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
- 3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4. List the titles and dates for all plans and other materials submitted with this NOI.

Proposed Boat Shelter

a. Plan Title

Prime Engineering, Inc.

b. Prepared By

May 7, 2014

d. Final Revision Date

Richard J. Rheaume, P.E.

c. Signed and Stamped by

e. Scale

f. Additional Plan or Document Title

g. Date

- 5. If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8. Attach NOI Wetland Fee Transmittal Form
- 9. Attach Stormwater Report, if needed.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number

Document Transaction Number

New Bedford

City/Town

E. Fees

- 1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

Mary Lapoy
1. Signature of Applicant

5-15-14
2. Date

Mary Lapoy
3. Signature of Property Owner (if different)

5-15-14
4. Date

Conry & Cohen
5. Signature of Representative (if any)

5/15/14
6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Location of Project:

<u>86 Popes Island</u>	<u>New Bedford</u>
a. Street Address	b. City/Town
<u>N/A</u>	<u>N/A</u>
c. Check number	d. Fee amount

2. Applicant Mailing Address:

<u>Mary</u>	<u>Rapoza</u>	
a. First Name	b. Last Name	
<u>City of New Bedford Marine Park</u>		
c. Organization		
<u>181 Hillman Street - Bldg. 3</u>		
d. Mailing Address		
<u>New Bedford</u>	<u>MA</u>	<u>02740</u>
e. City/Town	f. State	g. Zip Code
<u>508-961-3015</u>	<u>508-991-6175</u>	<u>Mary.Rapoza@newbedford-ma.gov</u>
h. Phone Number	i. Fax Number	j. Email Address

3. Property Owner (if different):

<u>same</u>		
a. First Name	b. Last Name	
<u></u>		
c. Organization		
<u></u>		
d. Mailing Address		
<u></u>		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
<u></u>	<u></u>	<u></u>
h. Phone Number	i. Fax Number	j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Step 5/Total Project Fee:			\$0

Step 6/Fee Payments:

Total Project Fee:	\$0
	a. Total Fee from Step 5
State share of filing Fee:	\$0
	b. 1/2 Total Fee less \$12.50
City/Town share of filing Fee:	\$0
	c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)



I, Carol A. [unclear], Administrative Assistant to the Board of Assessors of the City of New Bedford, do hereby certify that the names and addresses as identified on the attached "abutters list" are duly recorded and appear on the most recent tax.

Date: 5/15/2014

SUBJECT PROPERTY:

MAP 60 LOT 2

LOCATION 86 Popes Island

OWNER'S NAME City of New Bedford Marine Park

MAILING ADDRESS 133 William St, New Bedford, MA 02740

CONTACT PERSON Richard Rheaume

TELEPHONE NUMBER 508-947-0050

REASON FOR REQUEST

Notice of Intent filing for proposed Quonset style shelter for
rowing shells in an open grass area.

May 15, 2014

Dear Applicant,

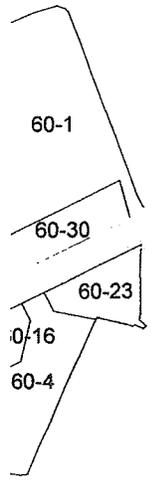
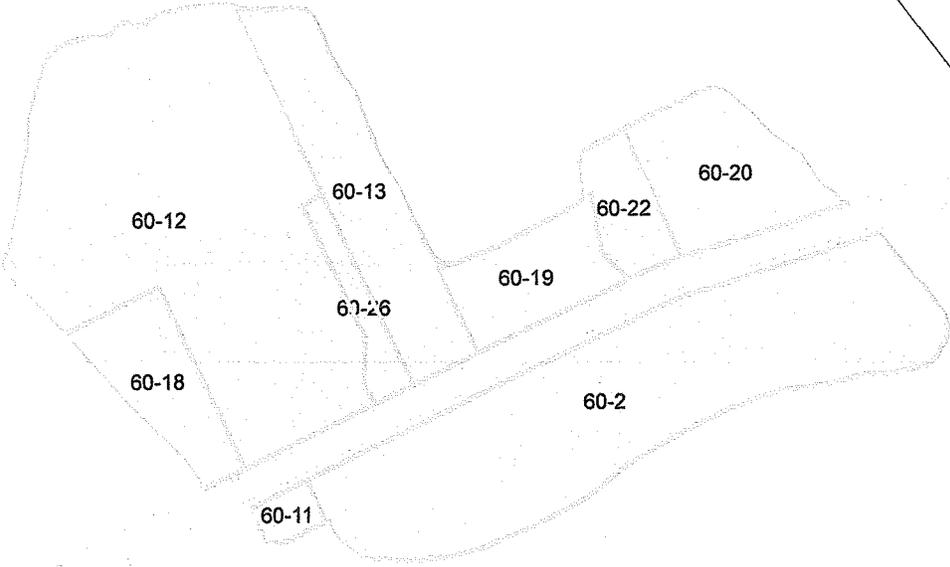
Please find below the List of Abutters, containing all tax parcels located within 100 feet of the property known as 86 Pope's Island (60-2). The current ownership listed herein must be checked and verified by the City of New Bedford Assessor's Office. Following said verification, the list shall be considered a Certified List of Abutters.

<u>Parcel</u>	<u>Location</u>	<u>Owner and Mailing Address</u>
60-22	53 POPES ISLAND	PANAGAKOS MICHAEL, 133 FAUNCE CORNER ROAD DARTMOUTH, MA 02747
60-11	226 POPES ISLAND	FALTUS BRIAN L "TRS", BLF REALTY TRUST 59 ORCHARD STREET FAIRHAVEN, MA 02719
60-18	243 POPES ISLAND	POPES ISLAND HARBOR DEV CORP, 867 MIDDLE RD ACUSHNET, MA 02743
60-26	161 POPES ISLAND	POPES HAVEN MARINA INC, C/O IRENE CARR 351 DANA FARMS FAIRHAVEN, MA 02719
60-19	83 POPES ISLAND	MITCHELL MARK S "TRUSTEE", MITCHELL CHARLES "TRUSTEE" CHARLES "TRUSTEE", <i>Robert B. Mitchel Trust</i> 14 CEDAR STREET FAIRHAVEN, MA 02719
60-12	213 POPES ISLAND	POPES ISLAND HARBOR DEV CORP, 867 MIDDLE RD ACUSHNET, MA 02743
60-13	137 POPES ISLAND	NERI REALTY CO LLC, 15 HOPE STREET BRISTOL, RI 02809
60-2	86 POPES ISLAND	CITY OF NEW BEDFORD, MARINE PARK 131 WILLIAM ST NEW BEDFORD, MA 02740
60-20	23 POPES ISLAND	POPES ISLAND REALTY ASSOCIATES LLC, 23 POPES ISLAND NEW BEDFORD, MA 02740

Sincerely,


Patrick C. Day
Staff Planner

HUTTLESTON AVE



Notification to Abutters Under the Massachusetts Wetlands Protection Act

In accordance with the second paragraph of Massachusetts General Law Chapter 131, Section 40, you are hereby notified of the following:

A. The name of the applicant is _____

B. The Applicant has filed a Notice of Intent with the Conservation Commission For the municipality of New Bedford, MA seeking permission to remove, fill dredge or alter an Area Subject to Protection Under the Wetlands Protection Act (General Laws Chapter 131, Section 40). The Notice of Intent may also only pertain to work within 100' of an Area Subject to Protection Under the Act. Please see D & E below to find out more about the application.

C. The location of the lot where the activity is proposed is Assessor's Map _____ Lot(s) _____ ; street address (if applicable) _____

D. Copies of the Notice of Intent may be examined at the New Bedford Conservation Commission Office – Room 304 of City Hall, 133 William St., New Bedford between the hours of 8:30 AM and 4:00 PM Monday through Friday. For more information, call 508-991-6188.

E. Copies of the Notice of Intent may be obtained from either (check one) the applicant _____ or the applicant's representative _____ by calling this number _____ between the hours of _____ and _____ on the following days of the week _____.

F. Information regarding the date, time and place of the public hearing may be obtained from New Bedford Conservation Commission by calling 508-991-6188 between the hours of 8:00 AM and 4:00 PM Monday through Friday

Note: Notice of the Public Hearing, including its date, time and place shall be published at least (5) days in advance in The Standard Times.

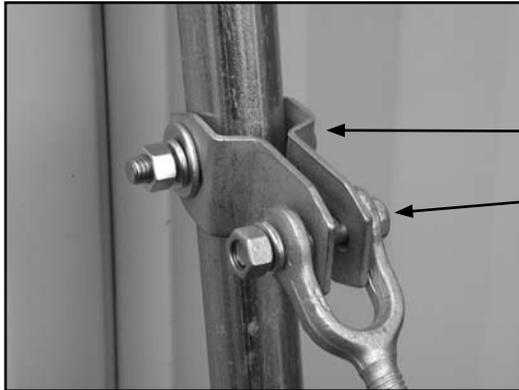
Note: Notice of the public Hearing, including the date, time and location shall be posted in City Hall not less than forty-eight (48) hours in advance.

Note: you may also contact your local Conservation Commission or the MADEP Southeast Regional Office @ 508-946-2700 for more information about this Notice or the Wetlands Protection Act.

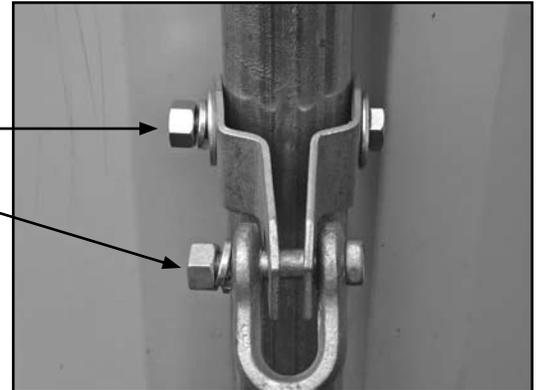


Anchor Kit 105587 Installation Guide

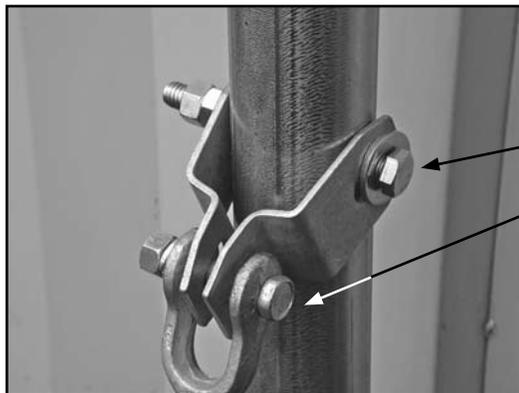
Use the following photos as guides to identify the rafter leg pipe diameter of your ClearSpan™ shelter. Install the anchor kit brackets as shown in the photos below. Pipe diameters can be found on the part identification sheets sent with your ClearSpan™ shelter. All photos show the rafter legs as seen from the inside of the shelter.



Pipe Diameter: 1.315"



Pipe Diameter: 1.66"



Pipe Diameter: 1.90"



Pipe Diameter: 2.375"



Pipe Diameter: 3.50"

ATTENTION: Some connections shown use a double-nut system to keep the bolts tight. Others show a nut and lock washer.

Both are acceptable and adequate.

CLEARSPAN™ ANCHORS & ACCESSORIES

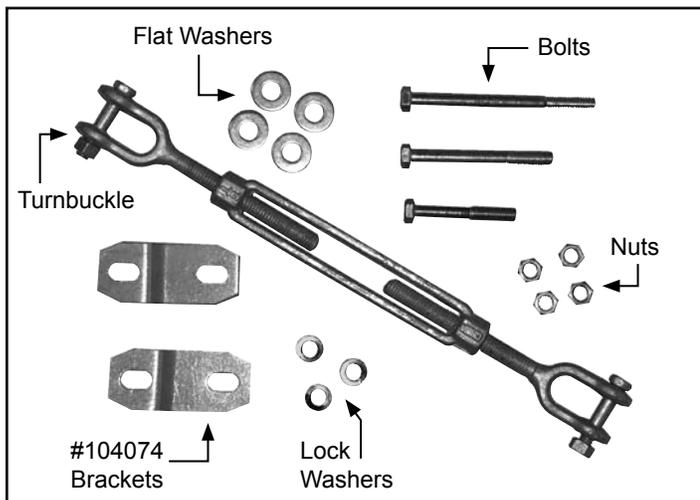
ANCHOR KIT (#105587) INSTALLATION

The following instructions describe the proper way to assemble and attach the anchor kit to the rafter legs of your shelter.

Required tools: Battery- (or electric-) powered drill, 3/8" drill bit, wrenches or a ratchet and socket set, hammer, shovel and/or a means to install the auger-style earth anchor.

ATTENTION: Installing one (1) auger-style anchor per rafter leg is *strongly recommended*.

Each anchor kit includes the parts shown below. Auger-Style Earth Anchor is not shown.



ATTENTION: Without proper support beneath the rafter legs, the shelter may sink into the ground.



Treated 2" x 8" wood boards (as shown) work well.

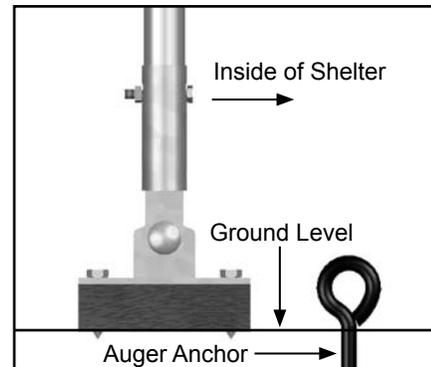
⚠ WARNING: Take the necessary steps to verify whether underground cables, lines, or pipes are present *before* digging, installing ground augers, and anchoring the structure to the site.

Failing to follow these instructions may result in the improper anchoring of your shelter, which may cause injury or property damage or both.

The following steps describe installing the ground anchor *without using concrete*. Consult the attachments for additional information for loose or sandy soil conditions.

Continue with the following:

1. After the shelter is assembled and squared, install the auger-style earth anchor.

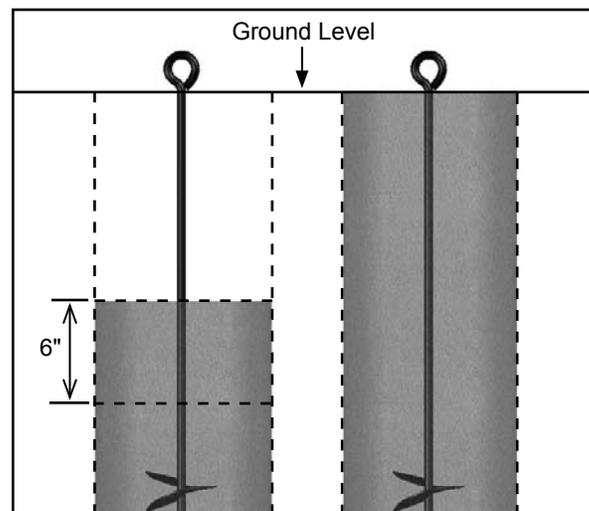


ATTENTION: The turnbuckle of the anchor kit when attached must remain at an angle that places the strongest downward force on the rafter leg.

Install the earth anchor in line with and as *close to the rafter leg* as possible. Use a 4" – 6" range as a guide (if possible) when installing the anchor

ALTERNATIVE METHOD (without concrete): To best secure the earth anchor, first dig a 10" diameter hole to a depth of 20". Next, twist the anchor into the hole until its eye is *at ground level*.

Finally, return 6" of the removed material to the hole and pack it around the anchor. Continue adding and packing the material until the anchor is secure. Consult the diagram below.



Auger-Style Earth Anchor shown is 30".

ANCHOR KIT INSTALLATION (CONTINUED)

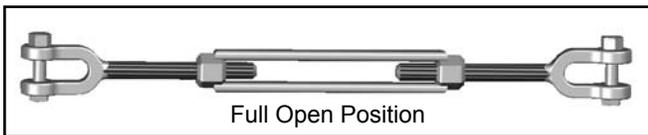
Concrete Fill: Concrete can also be used to secure the anchor instead of filling the hole as previously described. For sandy or loose soil types, using concrete to secure the auger anchor *is required*.

For frost line applications, dig the hole 48" deep, partially fill with concrete, install the auger-style earth anchor, and finish filling the hole to ground level with concrete.

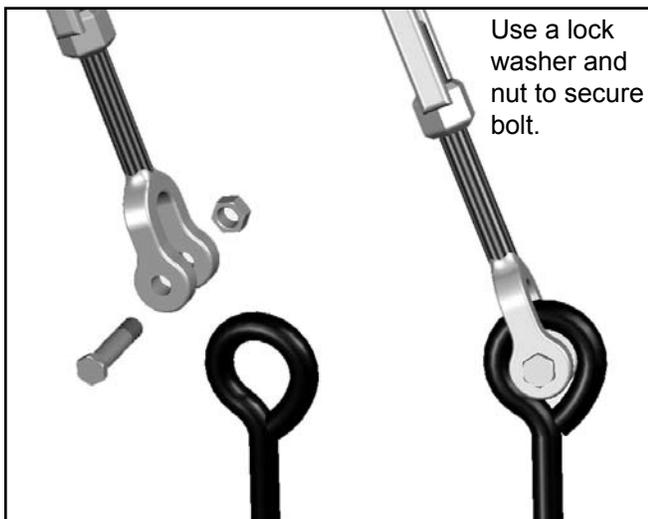
Consult the diagrams at the back of these instructions for additional information.

IMPORTANT: If concrete is used, allow the concrete to set before installing and tightening the turnbuckles. The auger of the earth anchor must be encased in concrete when using concrete.

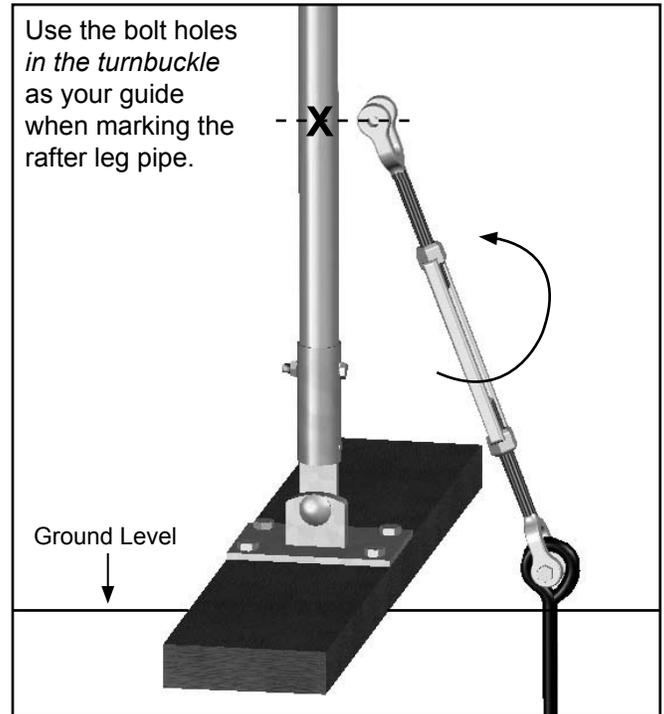
2. With the earth anchor installed, adjust the turnbuckle to its open position.



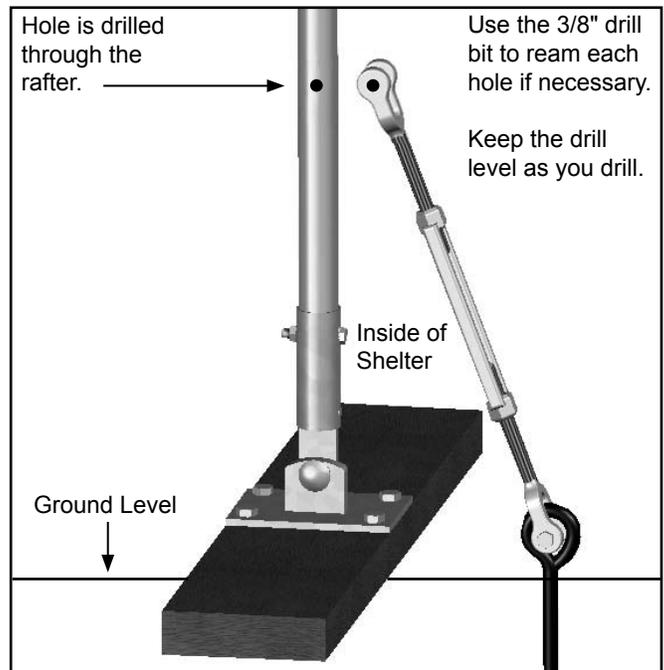
3. Remove both turnbuckle bolts, attach one end of the turnbuckle to the eye of the earth anchor, and tighten the bolt.



4. Using the turnbuckle as a guide, swing the turnbuckle to the rafter leg and mark the location. This location identifies where you will drill the hole for the anchor kit mounting bolt.



5. Carefully drill a 3/8" hole through the rafter leg.



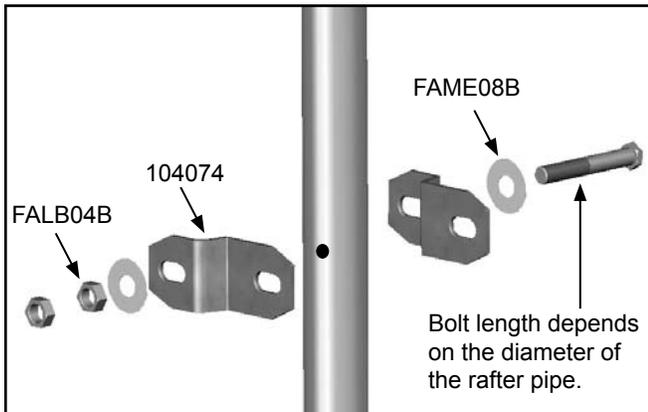
ATTENTION: The mounting bolt must be level and parallel with the ground when inserted through the rafter leg.

Depending on the rafter pipe diameter and the length of the drill bit, it may be necessary to drill from both sides of the rafter leg.

CLEARSPAN™ ANCHORS & ACCESSORIES

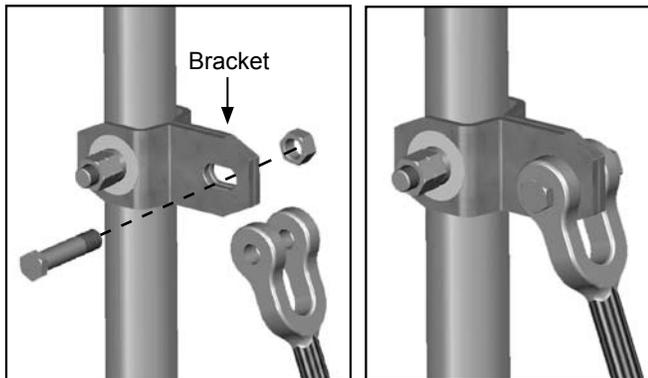
ANCHOR KIT INSTALLATION (CONTINUED)

- With the mounting hole drilled, assemble and attach the anchor kit mounting brackets as shown below. Consult the first page of this installation guide for additional details.



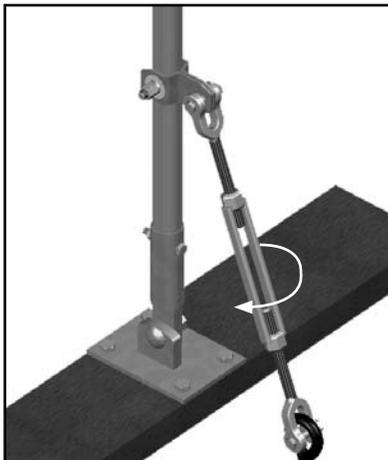
NOTE: Do not tighten the mounting bolt at this time. Bracket orientation depends on the rafter pipe diameter. Consult the first page of this installation guide for additional details.

- Once the brackets are attached, attach the turnbuckle to the anchor kit brackets.



ATTENTION: The diameter of the rafter pipe determines which bolt to use to attach the turnbuckle to the anchor kit brackets.

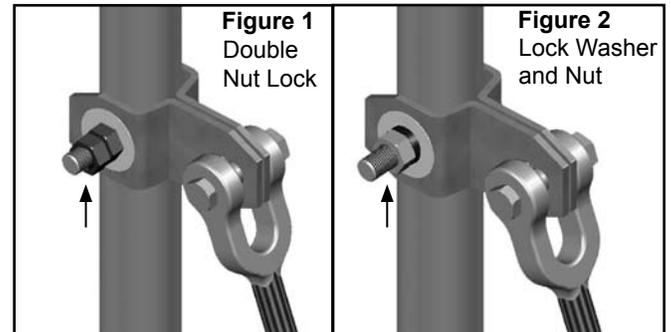
- Twist the slotted adjusting body of the turnbuckle *until the turnbuckle is snug*.



The direction used to tighten the turnbuckle may differ from what is shown in the diagram.

Do not over tighten.

- Return to and tighten all anchor kit mounting bolts.
- Install a nut (or verify that a second nut was installed) to tighten against the first nut to keep the mounting bolts tight. If flat and lock washers are used, continue with the next step.



ATTENTION: Depending on the rafter pipe dimensions, you may not be able to use two nuts (Figure 1) to lock the bolt in place. Use the flat and lock washers as shown in Figure 2. Either setup is acceptable.

- Repeat the above steps to install all remaining auger-style earth anchors and anchor kits.
 - After all anchor kits are installed, return to and hand tighten each turnbuckle. If you use leverage to tighten the turnbuckles, hand tighten and then *tighten one full turn only*.
- ATTENTION:** If concrete was used, allow the concrete to set 24 hours *before* you tighten the turnbuckles. **DO NOT OVER TIGHTEN!**
- Check all turnbuckles and anchor mounting bolts periodically *and frequently* to verify that these remain tight and in good condition.

A EARTH ANCHOR ASSEMBLY (SKU: 105587) IN CONCRETE

105587 Anchor Kit

If the optional anchor kit was purchased, use the diagrams below to properly install the auger-style earth anchor and to attach the brackets to the rafter pipes. For rafter pipe diameters greater than what is shown, consult the instructions that shipped with the kits to properly attach the anchor mounting brackets.

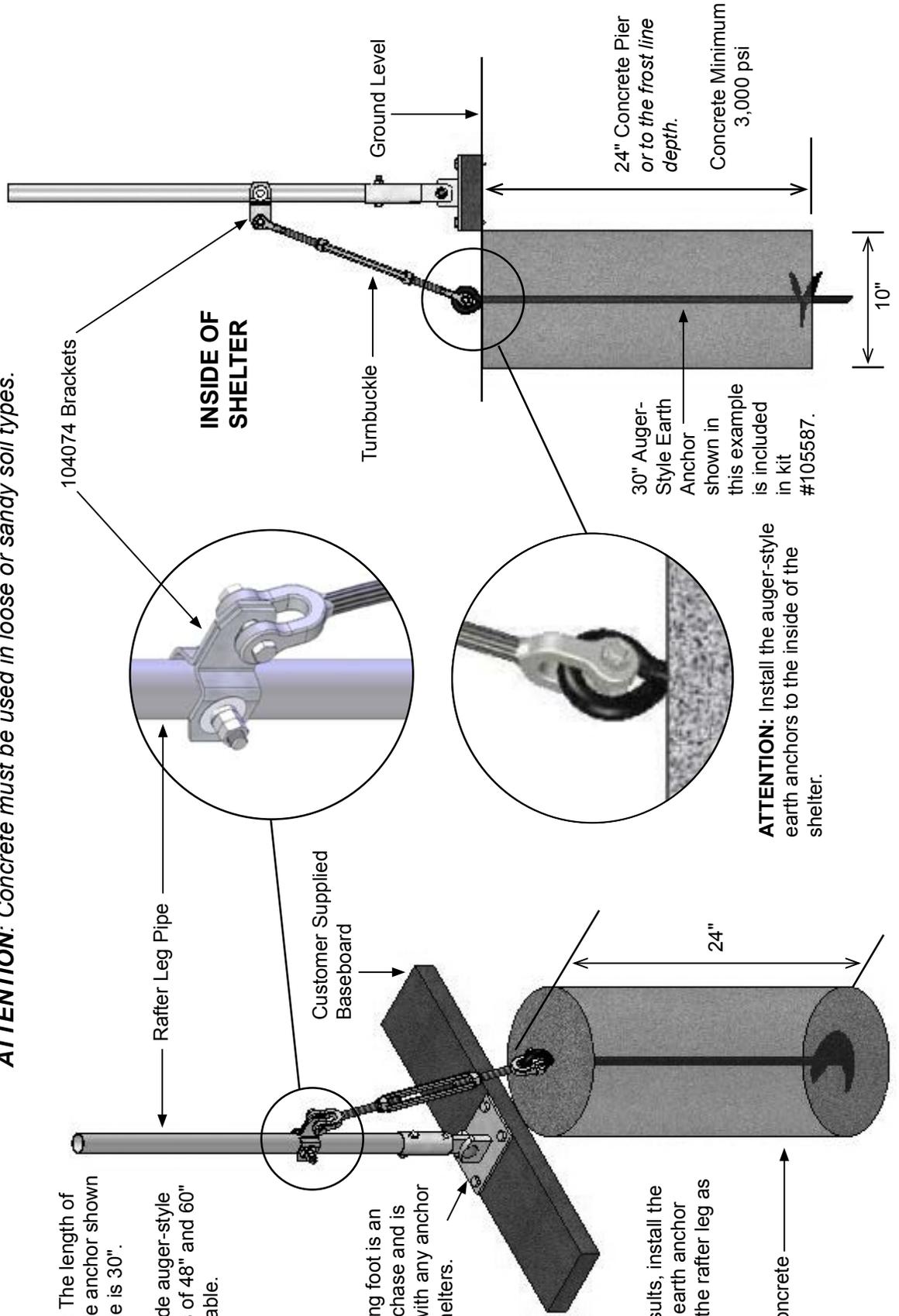
ATTENTION: Concrete must be used in loose or sandy soil types.

IMPORTANT: The length of the auger-style anchor shown in this example is 30".

Kits that include auger-style earth anchors of 48" and 60" are also available.

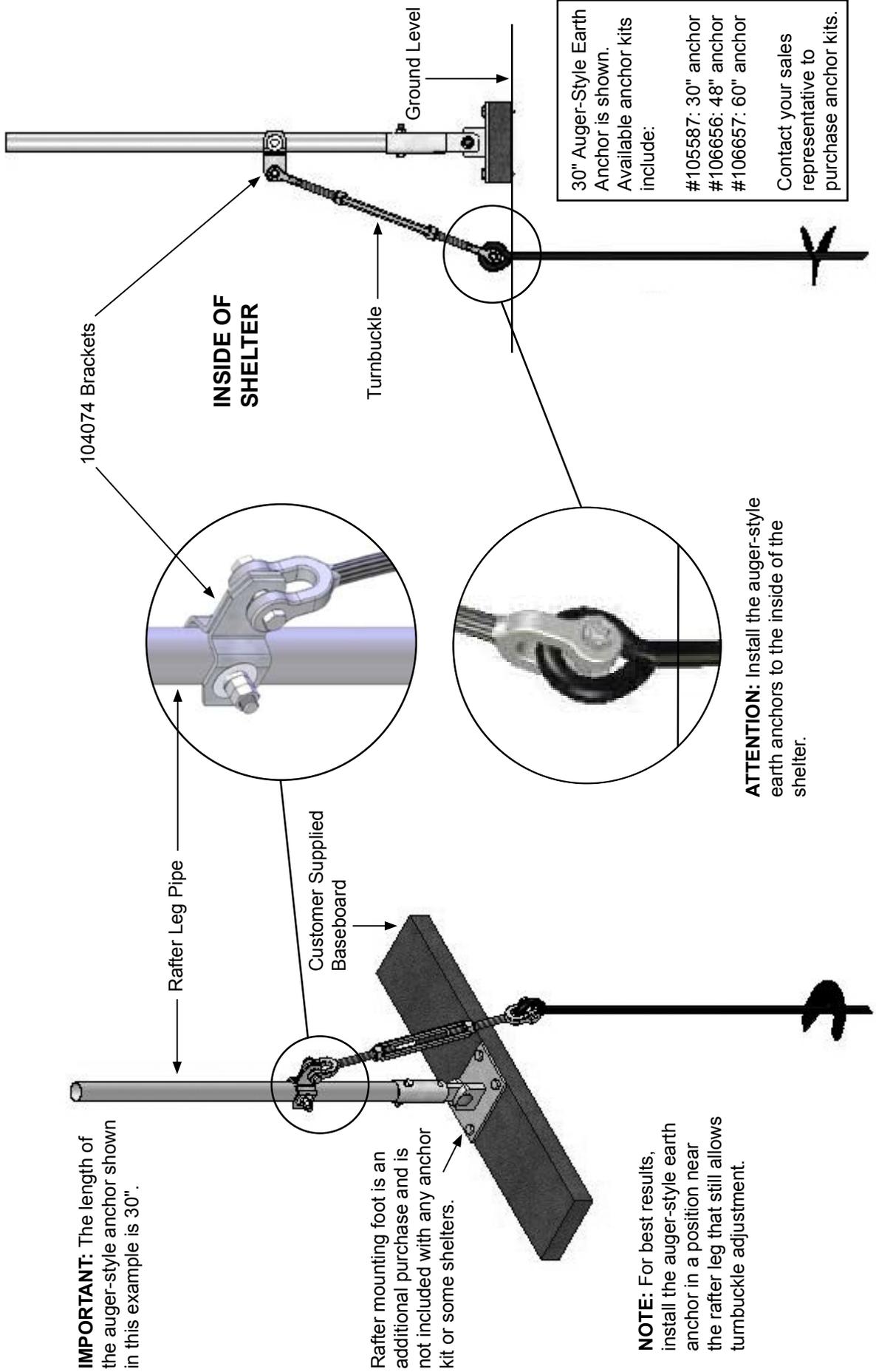
Rafter mounting foot is an additional purchase and is not included with any anchor kit or some shelters.

For best results, install the auger-style earth anchor as close to the rafter leg as possible.



B
EARTH ANCHOR ASSEMBLY (SKU: 105587) WITHOUT CONCRETE

If the optional anchor kit was purchased, use the diagrams below to properly install the auger-style earth anchor and to attach the brackets to the rafter pipes. For rafter pipe diameters greater than what is shown, consult the instructions that shipped with the kits to properly attach the anchor mounting brackets.

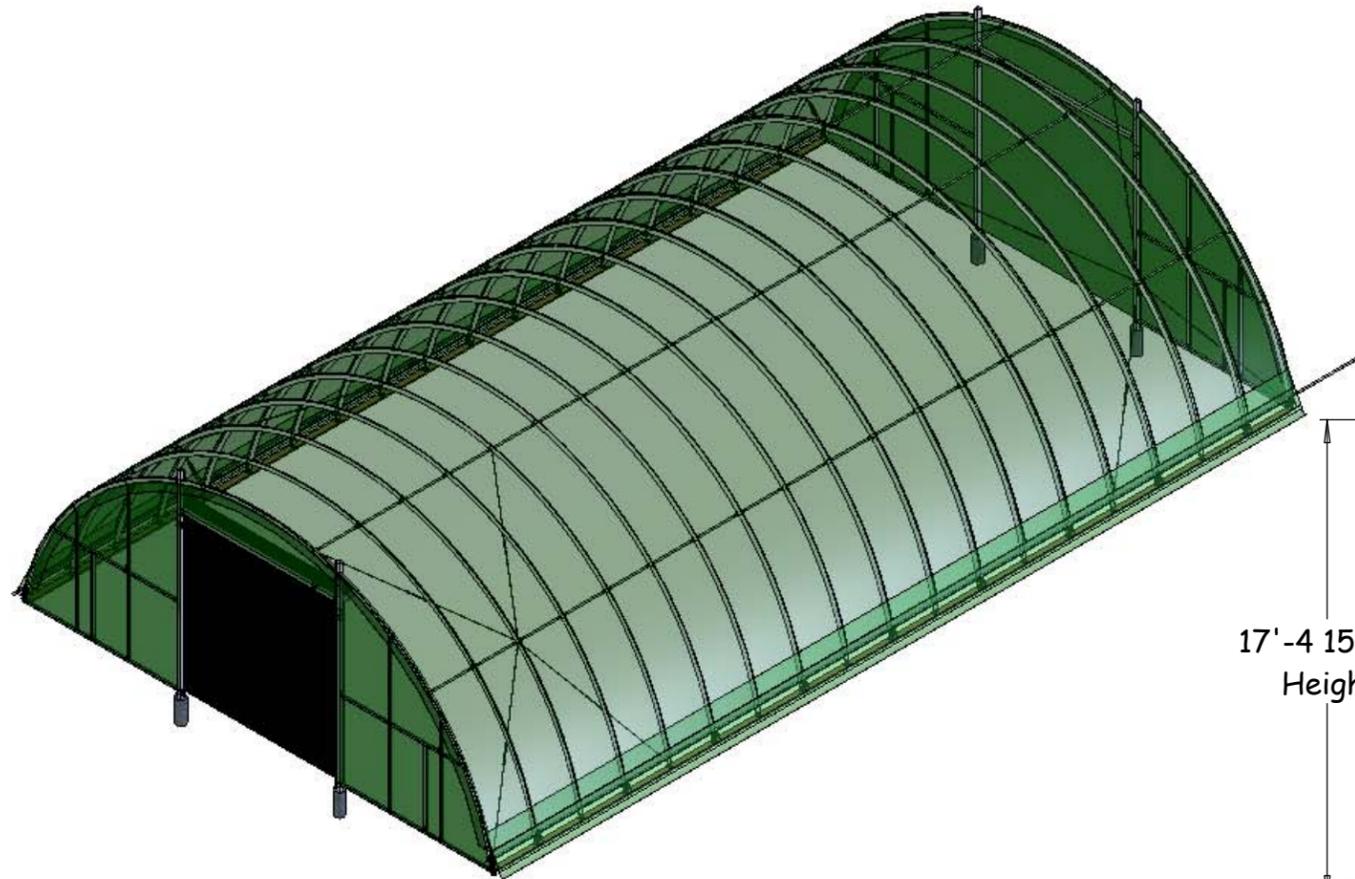




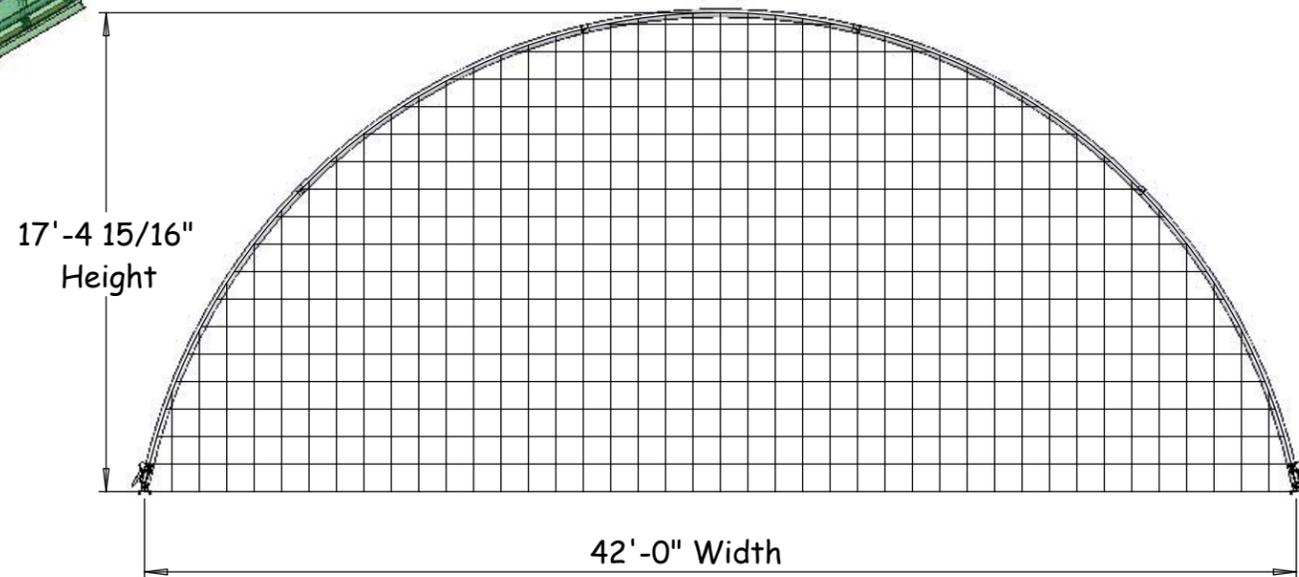
Space below is reserved for customer notes.

PB00234R4

42' x 72' Storage Master Building



ISOMETRIC



FRONT
Grid Represents 12" Squares

Shelter Information

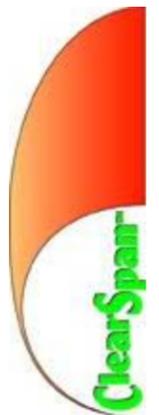
Width (Center - Center)	42'-0"	Purlin Tubing & # of Runs	-
Height (Ground - Peak)	17'-4 15/16"	Cover Info	12.5oz, 24mil
Length (Center - Center)	72'-0"	Cover Conduit Tubing	1.66" Round
Sidewall Height	N/A	End Wall Door	14' x 14'
Rafter Spacing	4'	End Wall Tubing	2" x 2"
Rafter Tubing	3.50" Round	End Panel Info	N/A

Important: Read the instruction manual and the additional comments on the last page of this document before you begin construction.

CONTENT GUIDE

Only Applicable Pages Are Included

A	Title
B	Front Profile
C	Side Profile
D	Connection Call-Out
E	Connection Details
F	End Framing
G	Rafter Pipe Details
H	Cover and End Panel Details
I	New or Special Components
J	B.O.M.
K	Information



Engineering Services & Products Co.

Drawn By
JSteinhoff

Creation Date
3/20/2007

Last Revision Date
3/20/2007

Shelter Sku Number
PB00234R4

Shelter Dimensions
42' x 17' x 72'

Shelter Description
42' x 72' Storage Master Building

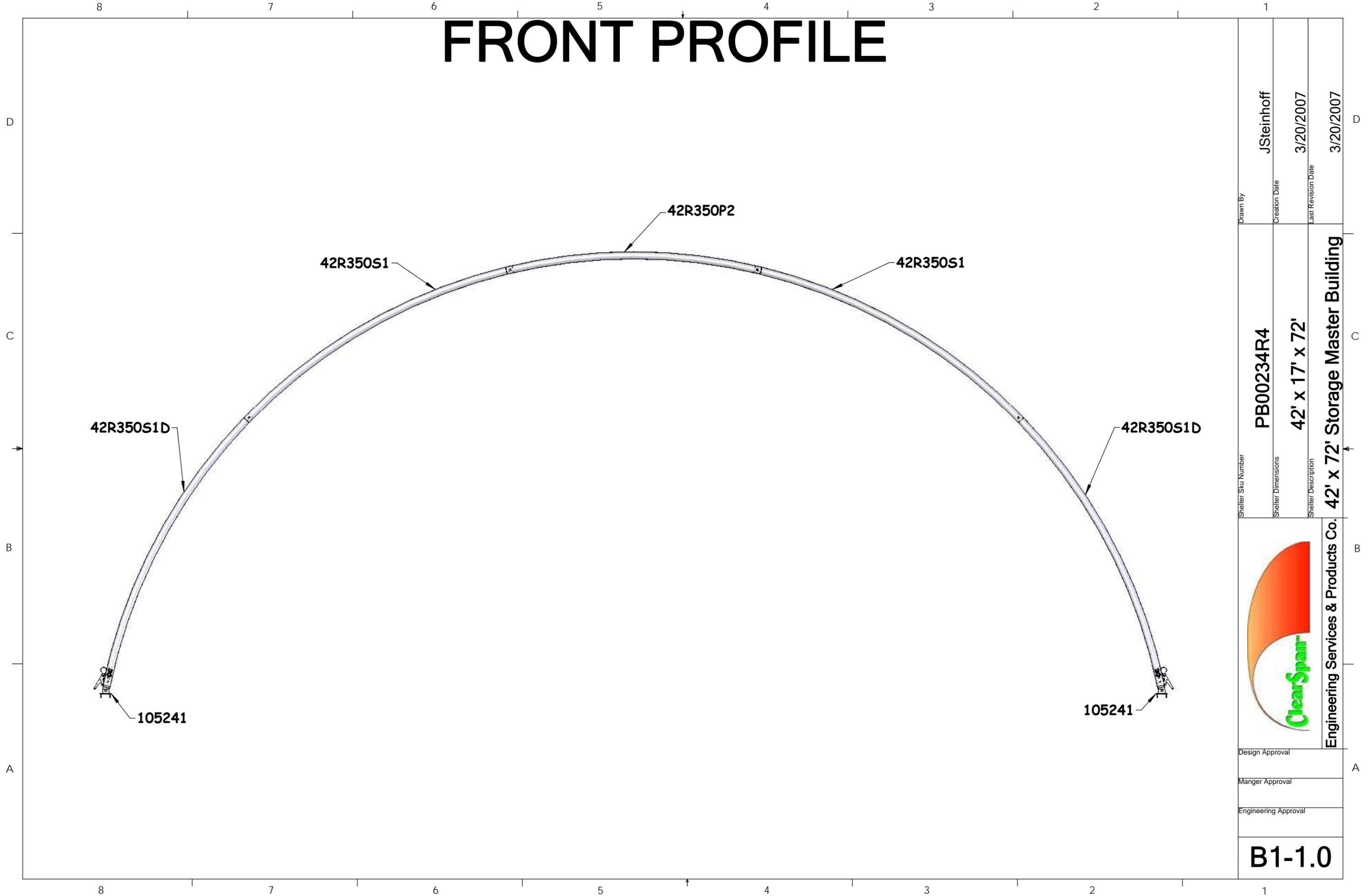
A1-1.0

Design Approval

Manager Approval

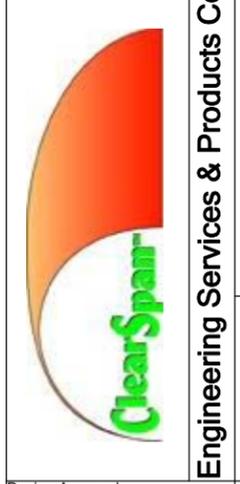
Engineering Approval

FRONT PROFILE



Drawn By: JSteinhoff
 Creation Date: 3/20/2007
 Last Revision Date: 3/20/2007

Shelter Sku Number: PB00234R4
 Shelter Dimensions: 42' x 17' x 72'
 Shelter Description: 42' x 72' Storage Master Building



Design Approval
 Manger Approval
 Engineering Approval

B1-1.0

SIDE PROFILE

D

C

B

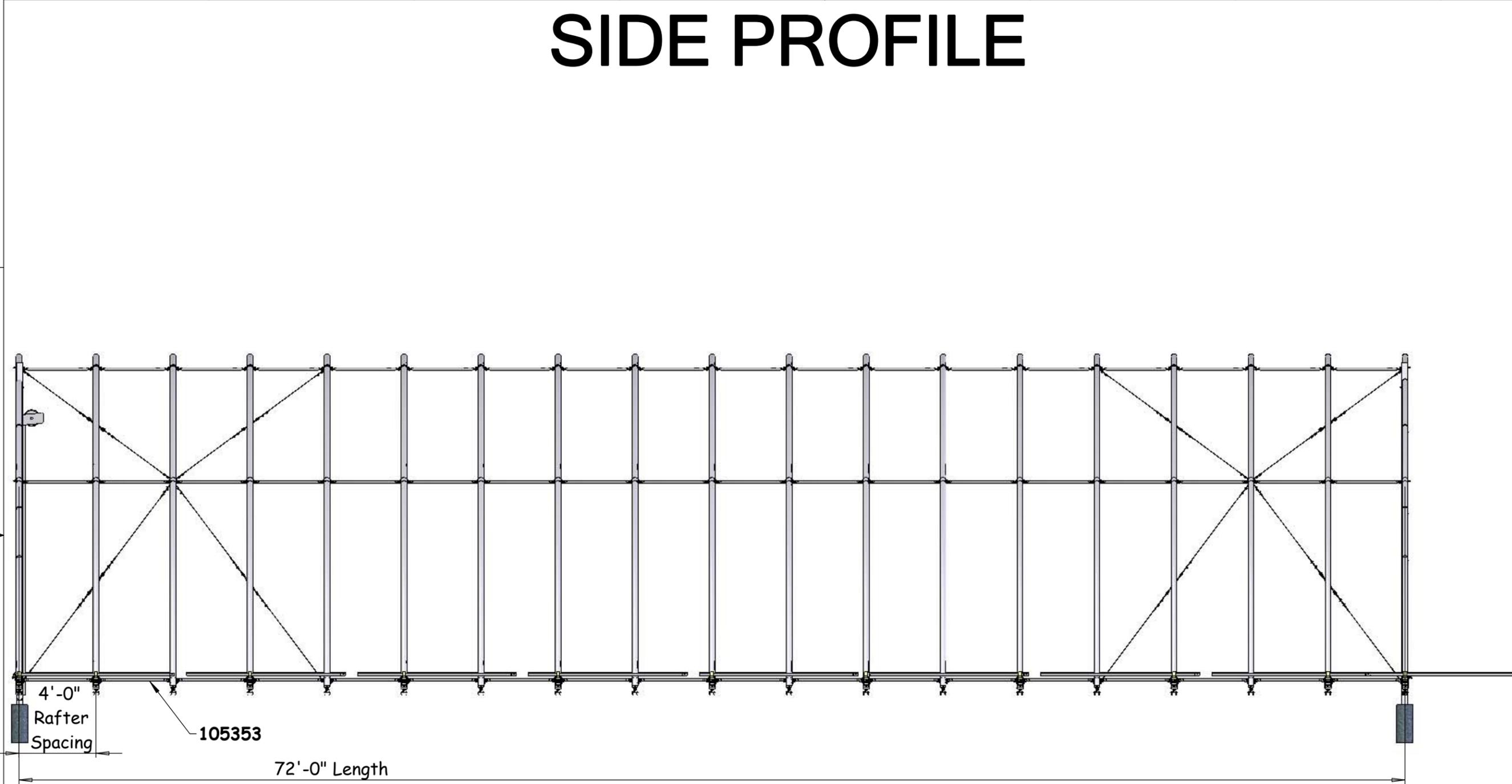
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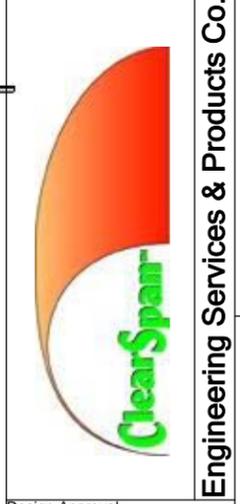
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Drawn By	JSteinhoff
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Shelter Sku Number	PB00234R4
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C1-1.0

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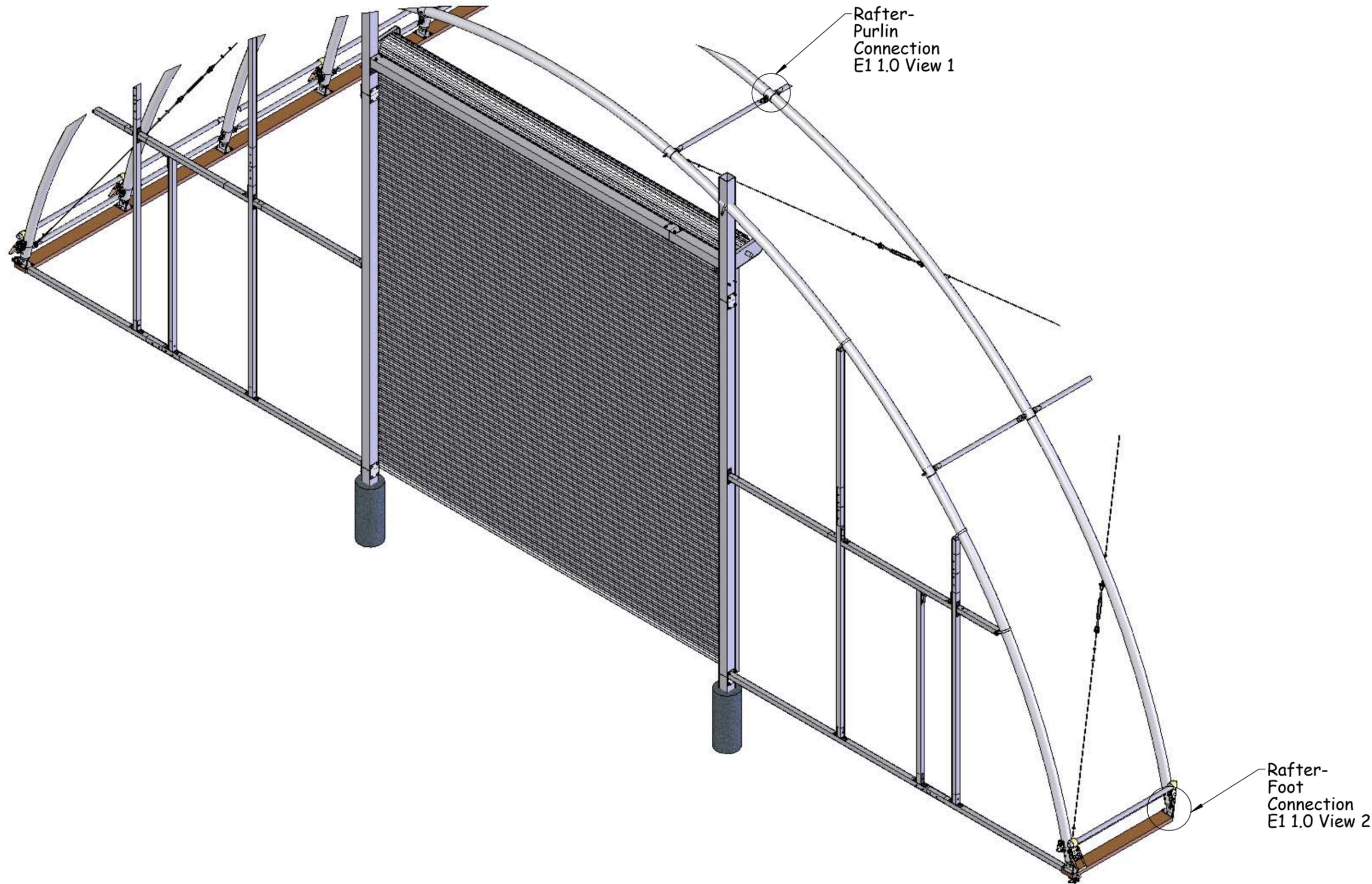
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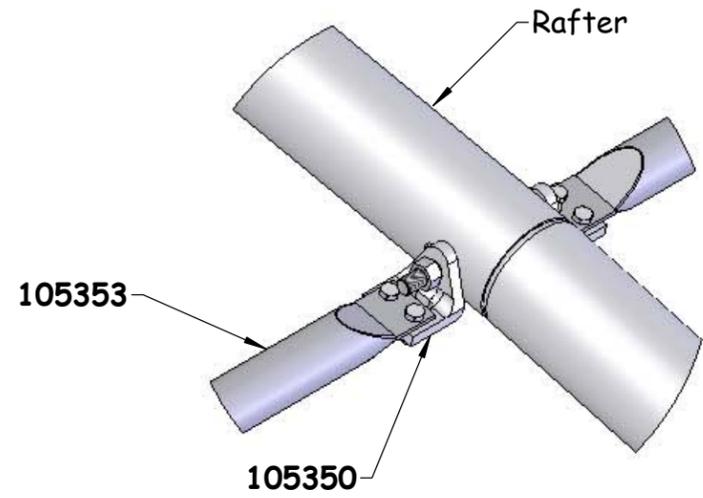
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CONNECTIONS

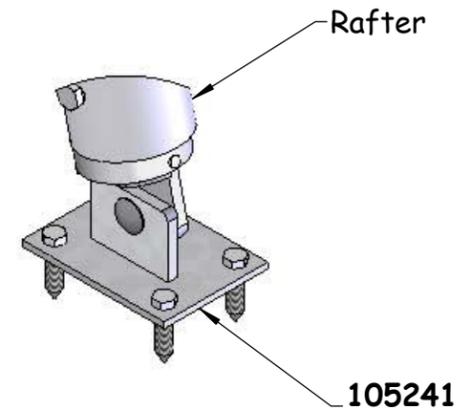


Shelter Sku Number	PB00234R4	Drawn By	JSteinhoff
Shelter Dimensions	42' x 17' x 72'	Creation Date	3/20/2007
Shelter Description	42' x 72' Storage Master Building	Last Revision Date	3/20/2007
 Engineering Services & Products Co.		Design Approval	
		Manger Approval	
		Engineering Approval	
		D1-1.0	

CONNECTION - DETAILS



View 1
End Rafter-
Purlin
Connection



View 2
Rafter-
Foot
Connection

Drawn By
JSteinhoff

Creation Date
3/20/2007

Last Revision Date
3/20/2007

Shelter Sku Number
PB00234R4

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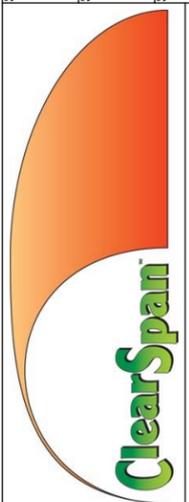
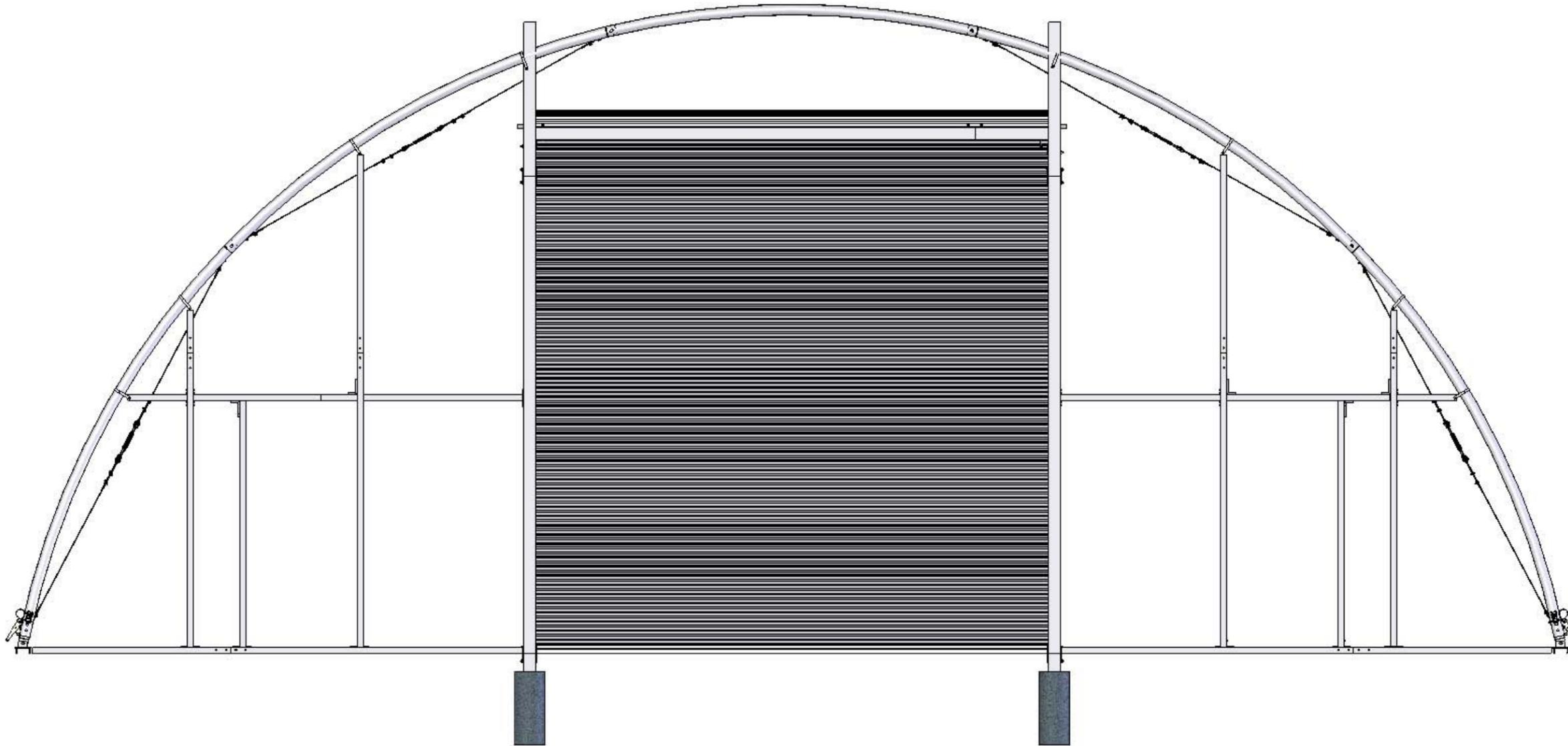
Manger Approval

Engineering Approval

E1-1.0

End Framing

NOTE:
 2" x 2" Sq. Tubing Supplied
 For Endwalls.
 4" x 4" Sq. Tubing Supplied
 For Door Framing.
 (All necessary Hardare Included Also)



Engineering Services & Products Co.

Shelter Sku Number
PB00234R4

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42' x 17' x 72'

Shelter Description
42' x 72' Storage Master Building

Drawn By

Creation Date

Last Revision Date

3/20/2007

3/20/2007

Design Approval

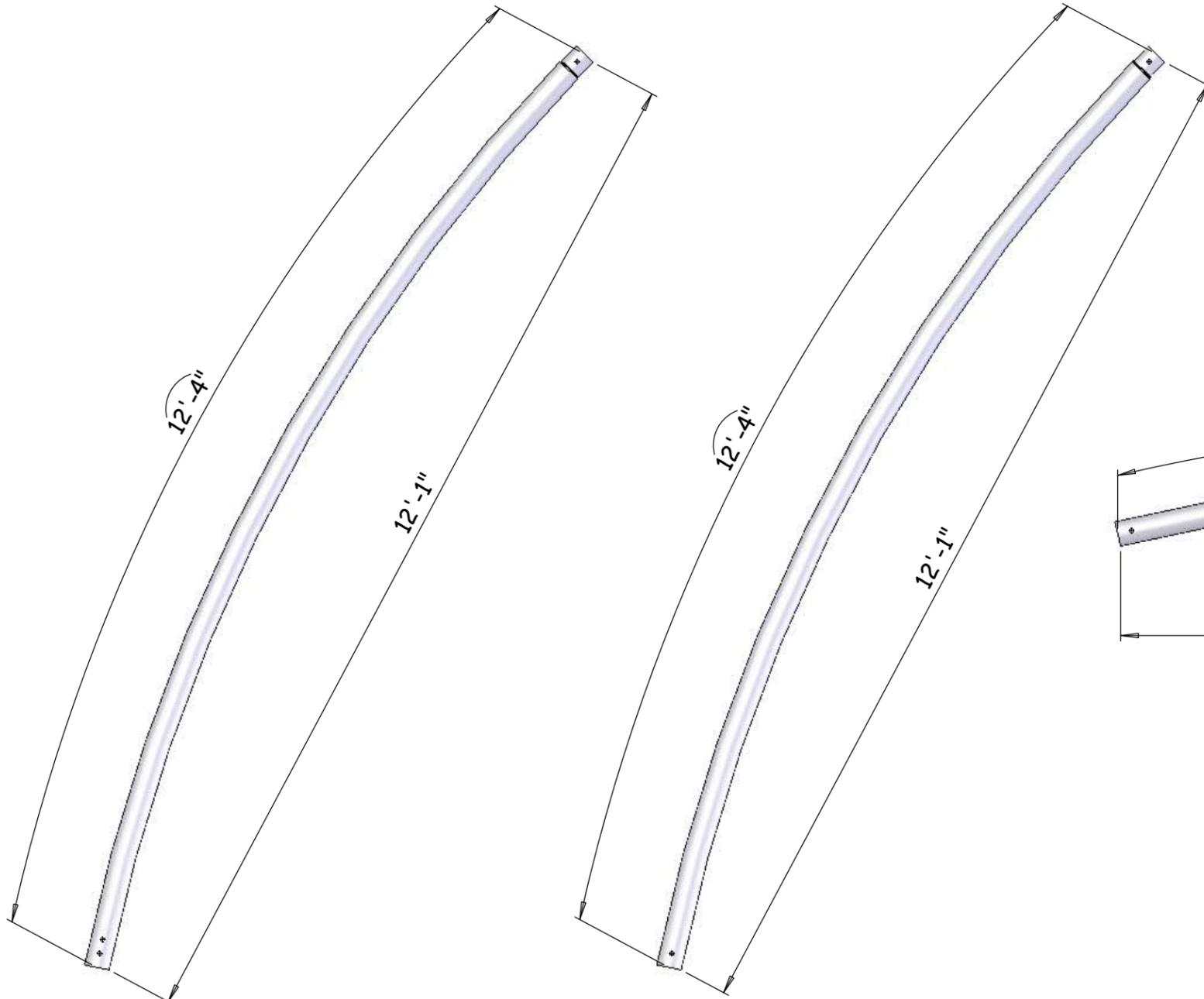
Manger Approval

Engineering Approval

B1-1.0

RAFTER PIPE DETAILS

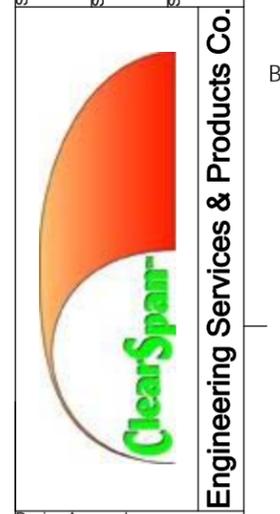
D
C
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42R350S1D	
DIA./GA.	3.50"/14 GA
PRE-BEND	12'-4"
TYPE	Swaged
PT. TO PT.	12'-1"
BEND LCTN.	N/A
DEGREE	N/A
DRILL	Drilled

42R350S1	
DIA./GA.	2.375"/14 GA
PRE-BEND	12'-4"
TYPE	Swaged
PT. TO PT.	12'-0"
BEND LCTN.	N/A
DEGREE	N/A
DRILL	Drilled

42R350P2	
DIA / GA.	3.50"/14 GA
PRE-BEND	10'-2 1/2"
TYPE	Plain
PT. TO PT.	10'-0 1/2"
BEND LCTN.	N/A
DEGREE	N/A
DRILL	Drilled



Design Approval
Manger Approval
Engineering Approval

G1-1.0

Shelter Sku Number	PB00234R4
Shelter Dimensions	42' x 17' x 72'
Shelter Description	42' x 72' Storage Master Building
Drawn By	JSteinhoff
Creation Date	3/20/2007
Last Revision Date	3/20/2007

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

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MAIN COVER DETAILS

QC03104R4
Note

Over The Top Measurement:

58' - 11 5/16"

58' - 11 5/16"

D

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Drawn By
JSteinhoff

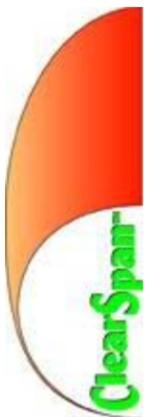
Creation Date
3/20/2007

Last Revision Date
3/20/2007

Shelter Sku Number
PB00234R4

Shelter Dimensions
42' x 17' x 72'

Shelter Description
Engineering Services & Products Co. 42' x 72' Storage Master Building



Design Approval

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Engineering Approval

H1-1.0

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INFORMATION

Additional Comment

These prints identify and show the main components and connections for this building. Length, width, and other important dimensions are also presented.

To best understand how to construct this building, the information contained within these pages *must be used* with the instruction manual shipped with the building. The instructions include details needed during construction.

Most questions that arise before and during construction are answered within the instructions and these pages.

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JSteinhoff

Creation Date
3/20/2007

Last Revision Date
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