



TECHNICAL COMMITTEE MEETING MINUTES

Wednesday August 12, 2015

3rd Floor Conference Room

Building 11, 111 Harbor View Avenue

Stamford CT 06902

5:30 pm

Daniel Capano	Chairman, Technical Committee
Edward Kelly	Committee Member
Merritt Nesin	Committee Member
Gerald Bosak Jr.	Committee Member (Absent)
William Brink	Executive Director, WPCA
William Degnan	Plant Supervisor, WPCA
Prakash Chakravarti	Supervising Engineer, WPCA (Absent)

1. Call to Order and Roll Call

D Capano called the meeting to order at 5:40 pm.

2. Approval of July 15, 2015 Technical Committee Meeting Minutes

E. Kelly made the motion to approve the minutes of the meeting for June 15, 2015. Seconded by M. Nessin. The motion carried 3-0-0.

3. Odor Control Update

B. Degnan described that three (3) of the odor control scrubbers are currently not receiving hypochlorite even though the metering pumps are pumping the chemical to the scrubbers. His operators believe there is gas built up in the chemical feed lines. Options to explore include 1) purging the chemical feed lines with water, which has worked in the past, 2) bringing in totes to store hypochlorite at the scrubbers, and 3) adding carrier water to the chemical feed lines. D. Capano asked if the carbon in the dryer RTO bypass scrubber had been replaced. W. Brink to contact Synagro to determine. W. Brink reported there have been no incidents of odors or odor complaints since the last Committee meeting.

4. Options for Constructing a Building to store Sludge and Screenings/grit truck trailers

W. Brink presented the conceptual plan and preliminary cost estimate prepared by P. Chakravarti. Committee agreed with the plan. W. Brink to determine approximate cost for engineering services to complete the design and purchasing requirements to select an engineer.

5. Update on Engineering Design/Studies

a. Dyke Lane Pumping Station Upgrade – W. Brink described that the \$2.8 million project includes an upgrade of the electrical switchgear and addition of an emergency power generator. Project was approved by Planning Board and is working its way through the City approval process.

b. Blower Replacement and Dissolved Oxygen Control – W. Brink reported that the draft report was recently submitted by Wright-Piece. Copies of draft report to be distributed to Committee members for their review.

c. SCADA System Upgrade- W. Brink reported that the design is 90% complete. D. Capano described the various components and tasks involved in the project, i.e., Arcadis will provide the programming, a system integrator will procure and install the PLC hardware, City IT will procure the file servers, monitors and printers, WPCA staff will install conduit and cable and will hire a HVAC contractor to install the A/C for the file server room.

d. Infiltration and Inflow Analyses – W. Brink reported that 65 flow meters are installed. CDM has recommended subarea B-3-3 for the pilot SSES.

e. Wedgemere Road Area Sewer Extension Project – W. Brink reported that the design is complete and we are in the process of securing the necessary easements, which so far has been difficult. D. Capano suggested that we have another public information meeting for the homeowners affected by the project.

f. Perna Lane Area Sewer Extension Project – W. Brink reported that the design is over 90% complete. Next step is to secure necessary approvals and permits for construction.

6. Update on construction projects

a. Sludge transfer pumps – W. Brink reported that the pumps are installed and placed in operation. Need to complete punch list and add pressure sensors.

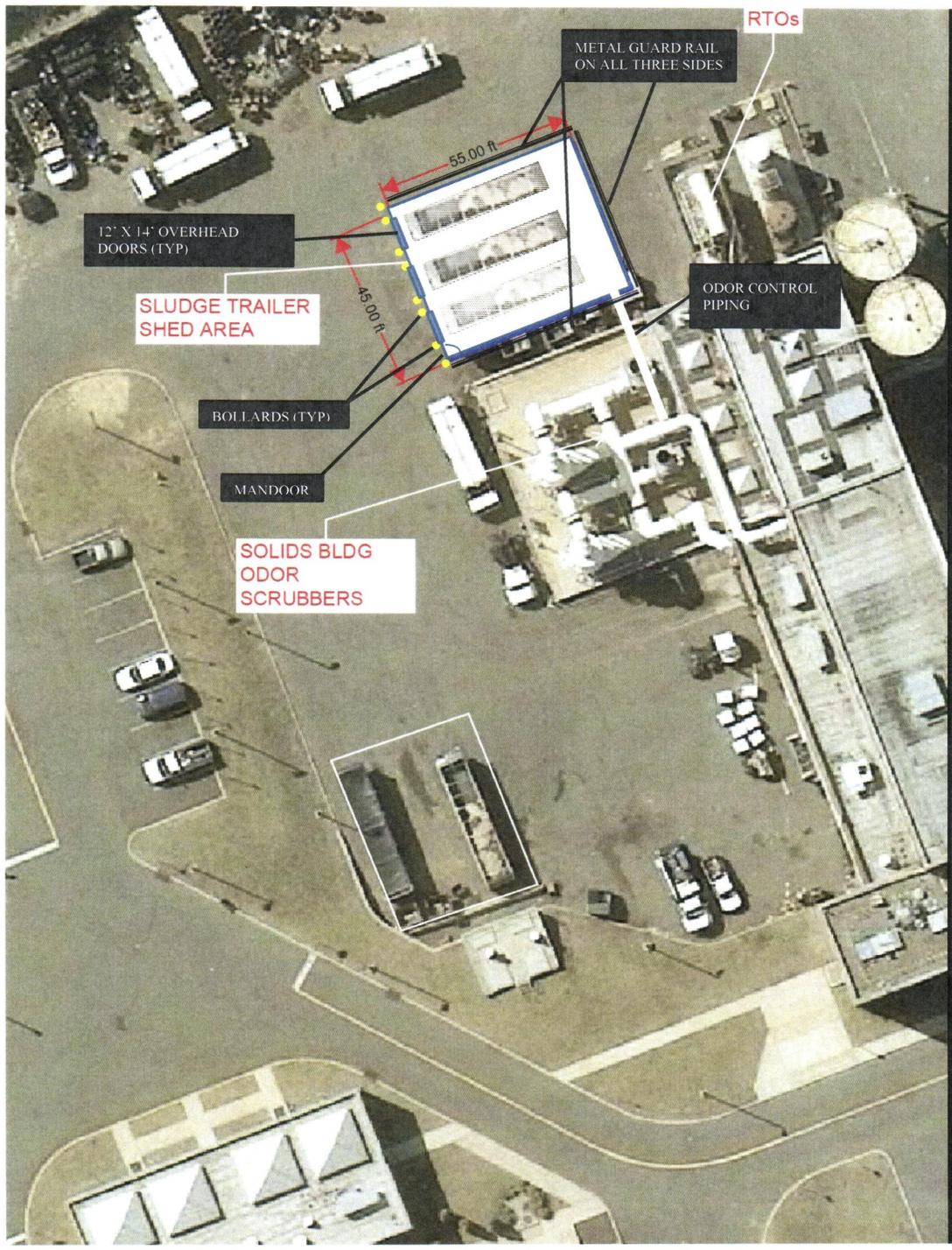
b. Water line relocation at WPCF – B. Degnan reported that the work will start on August 17, 2015.

7. Old Business

a. Dryer Capital Improvements – M. Nessin inquired about the status of the improvements. W. Brink reported that the improvements were completed on schedule. D. Capano requested that P. Scorziello attend the next Committee meeting to report on the dryer operation with the improvements.

b. Arden Lane lateral repair – M. Nessin inquired about the status of WPCA staff's review of the issue. W. Brink advised that WPCA staff will report on its findings at the September meeting of the Board.

There being no other issues to discuss E. Kelly made a motion to adjourn the meeting, seconded by M. Nessin, motion carried 3-0-0. The meeting was adjourned at 6:50 pm.



12' X 14' OVERHEAD DOORS (TYP)

SLUDGE TRAILER SHED AREA

BOLLARDS (TYP)

MANDOR

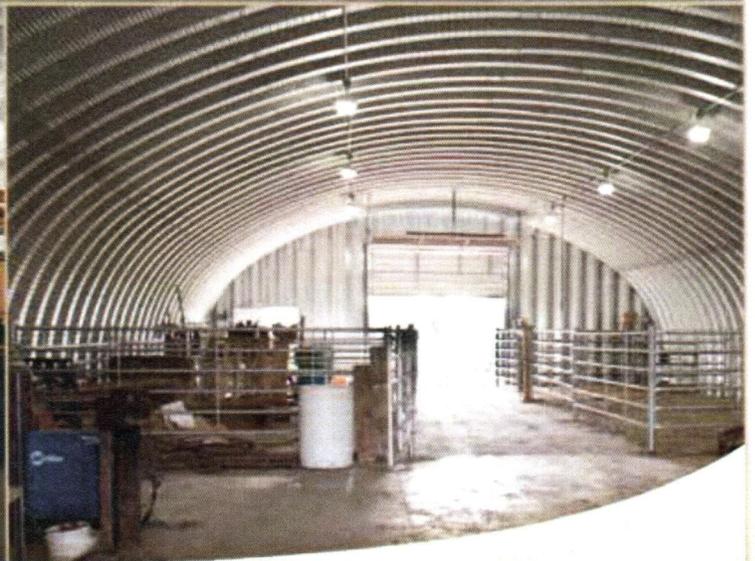
SOLIDS BLDG ODOR SCRUBBERS

METAL GUARD RAIL ON ALL THREE SIDES

RTOs

ODOR CONTROL PIPING

SLUDGE TRAILER SHED LAYOUT



S-MODEL

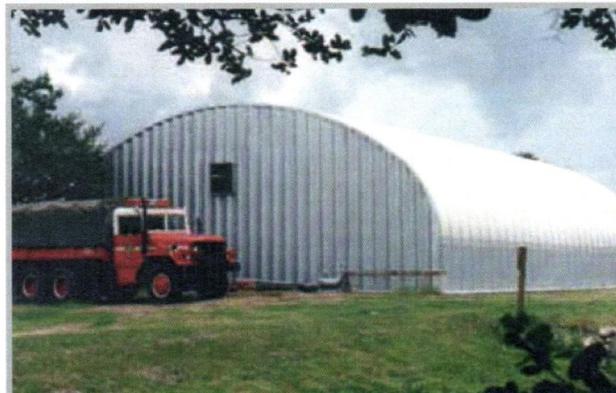
The super tough, all-steel building that sets the standard for durability.



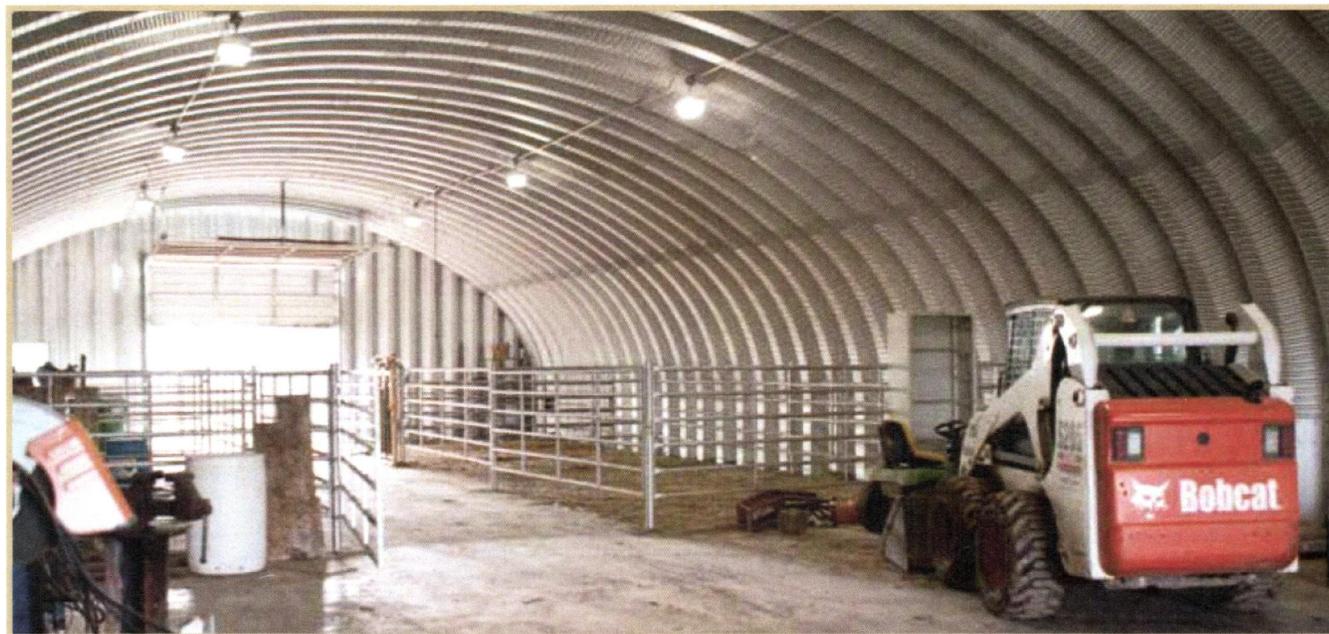
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With Rocket Steel Buildings you can be confident your building is backed by a 35-year rust-through perforation warranty on AZ55 Galvalume®. Whether you're purchasing a garage, a workshop or even a municipal arena, our friendly, experienced building experts and customer service staff guide you through the buying process from beginning to end.



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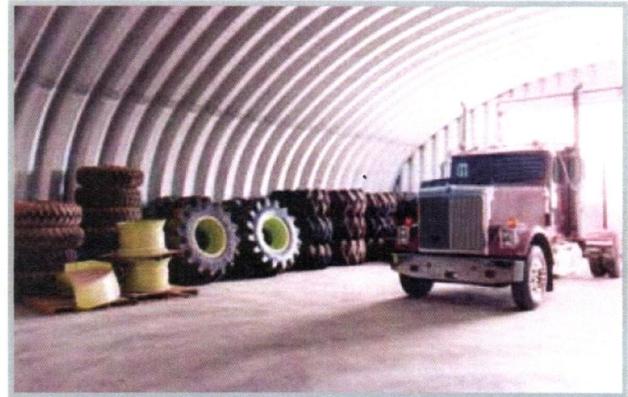
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Economical Quality & Durability

Our corrugated arch construction means strength and durability that virtually withstands the harshest weather conditions. Every Rocket steel building is engineered to stand up to a variety of weather conditions. Additionally, since they are comprised entirely of AZ55 (metric = AZ180) Galvalume® coated steel, the finest American-grade steel available that is more rust resistant than galvanized steel, they are sold with a 35-year rust-through perforation warranty on AZ55 Galvalume®.

Available in sizes that range from 16 ft. (5m) all the way up to 50 ft. (15m) wide with unlimited lengths, the S-Model buildings are so versatile they are used for industrial shops and warehousing, for retail store fronts, as skating rinks, indoor softball stadiums and even as a paint-ball arena.

They are easy to erect by simply bolting the panels together and can be built without the need for special tools or equipment by as few



as four people in as little as three days. All S-Model buildings are shipped with an easy-to-follow assembly manual. If a problem does arise, assistance is only a phone call away.

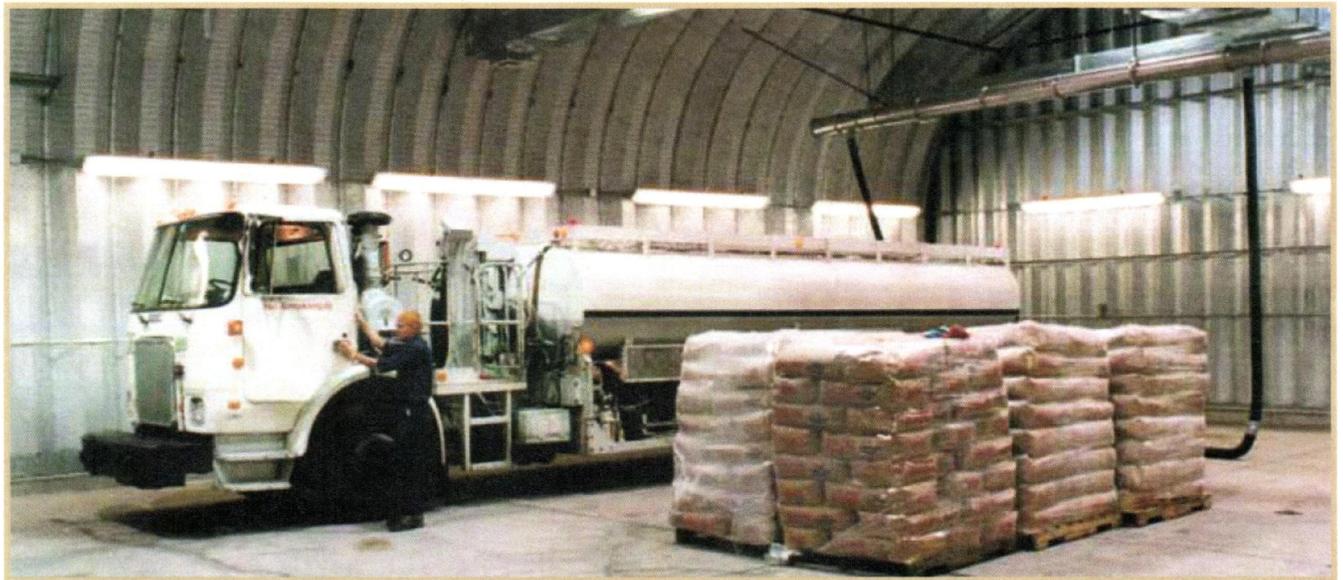
Every building is custom made to customer specifications and is easily expandable to any length. A Rocket steel building provides maximum usable space for a minimal financial investment.





Need A Small Business Location?

Manufactured exclusively in the United States, available in a wide range of sizes, made of a special steel alloy containing aluminum and zinc... what better building for your small business headquarters? Add to that a 35-year rust-through perforation warranty on AZ55 Galvalume® and you can see why we say Rocket steel buildings are virtually maintenance-free!



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"Made in America" is a statement that is used proudly by Rocket Steel Buildings in describing the company's commitment to traditional American excellence in manufacturing. That commitment is best illustrated by utilization of only state-of-the-art equipment operated by skilled technicians to manufacture Rocket steel buildings.

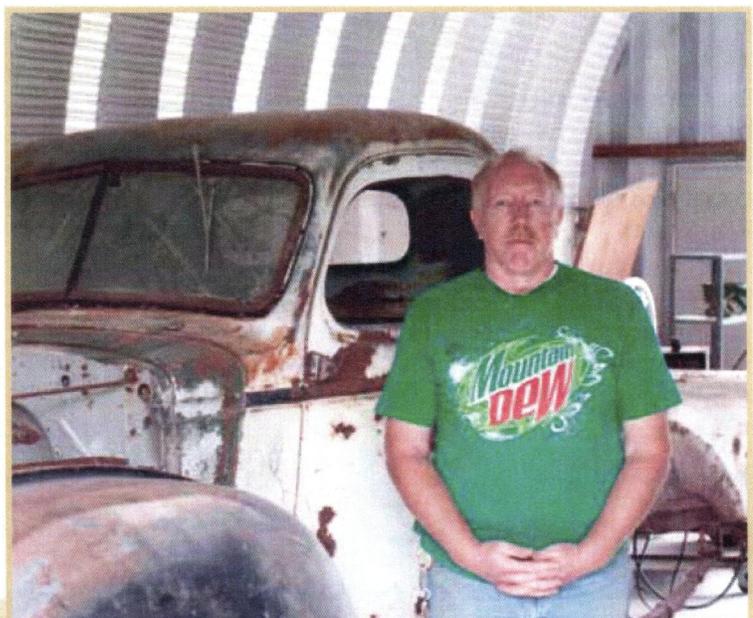


Computer Engineering With Old-World Attention To Detail

Each S-Model building is very affordable due in part to a high technology manufacturing process and its unique design requiring less labor to produce. At Rocket Steel Buildings, our advanced computerized engineering DID NOT REPLACE our seasoned draftsmen. Our modern systems were designed by our respected workers to help them serve you with greater speed and precision. The latest technology combined with old-world attention to detail make our modern engineering the envy of the steel building industry - thanks to one simple guiding principle - we are here to serve your needs!

"A couple months ago we had a storm come through and it took out an eight foot section out of a tree. According to the reports from the people down here, this building was ground zero for a microburst, large enough to snatch the top out of a tree and throw it to the ground. It didn't even phase it! I looked at the building and there was zero damage and no bolts came out, nothing. It is almost 100% weather-proof."

Visit www.rocketsteelbuildings.com to see video testimonials from our customers.





Why Steel?

At the heart of every great modern building, from schools to skyscrapers, is a frame of steel. Rocket Steel Buildings' technology moves the phenomenal structural strength of steel to the building's exterior, providing a super-durable, cost-saving and labor-saving alternative to more common construction techniques.

Solid - Secure - Weatherproof

Designed to withstand high winds and heavy snow conditions, Rocket steel buildings have been facing the weather throughout the United States for decades - without a glitch. Furthermore, Rocket steel buildings are famous for standing up to a variety of weather conditions. What does that mean for you? Peace of mind - knowing your property is safe.

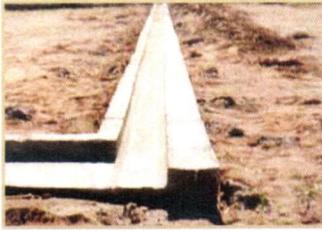
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Rocket Steel Buildings Go Up Fast!

STEP #1



Pour a simple floating foundation

STEP #2



Bolt arches together on the ground

STEP #3



Raise the arches into place

STEP #4



Install doors and endwalls

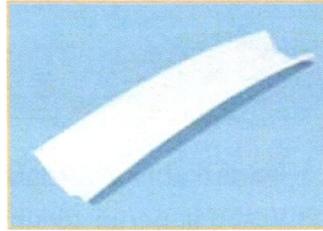
Accessories

Turbine Vents



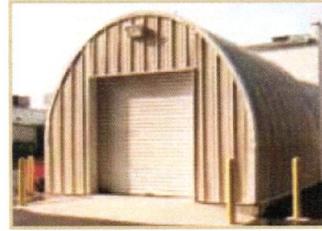
Removes condensation and keeps building dry

Skylights



Heavy duty fiberglass offers good lighting

Overhead Doors

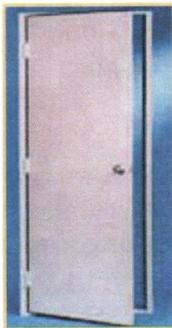


Heavy duty industrial overhead doors

Sliding Doors



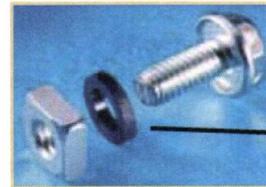
Heavy duty double sliding doors, sealed at top, bottom and sides



3'x7' (1m x 2.25m)
Heavy duty commercial door

Totally insulated with keyed lock

JS1000™ Clear Coat commercial
5/16 (7.9375mm) hexagon head bolt

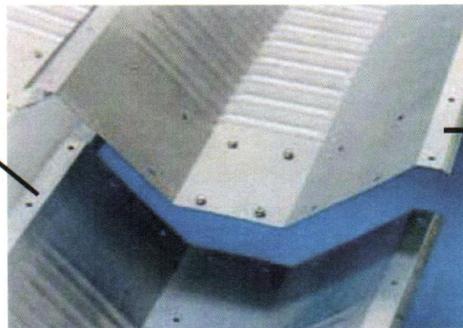


Nylon washer, no leaks

Heavy Duty Commercial GALVALUME® Coated Steel

Seven Times More Rust Resistant Than Galvanized Steel

The last 9" (230mm) of each end panel is flat so the two panels fit tight when bolted together making it easy to assemble. The bolts set on a flat surface, not a corrugated one giving a tight seal with no leaks.



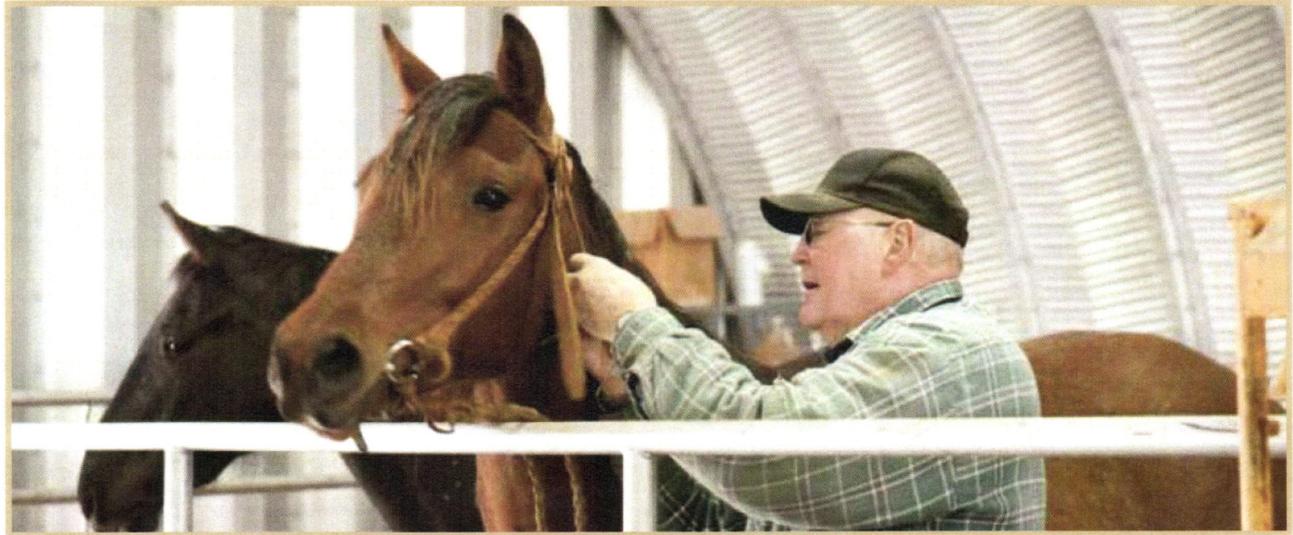
7" (178mm) large corrugation for strength

A full 9" (230mm) overlap with a double row of bolts for strength



All metric dimensions are nominal imperial conversions.

What Makes Rocket #1



- Every building is custom made to customer specifications
- Steel is a sustainable construction material and 100% recyclable
- World's most durable pre-engineered building designed to withstand a variety of weather conditions
- Manufactured exclusively in the United States
- Maximum usable space for minimum financial investment
- 35-year rust-perforation guarantee on AZ55 Galvalume®
- Designed by engineering professionals.
- Remarkably affordable
- Voted superior to similar style buildings
- Made only from the highest quality, heaviest gauge U.S. commercial steel available
- Simple bolt-together construction
- Easily expandable to any length
- Completely maintenance free
- Fire resistant
- Highly versatile, perfect for virtually any commercial, industrial, farm or consumer application



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TRAILER SHED COST ESTIMATE

	QUANTITY	UNIT	RATE	TOTAL
FOUNDATION				
EXCAVATION	39.41	CY	\$50.00	\$1,970.37
CONCRETE	388.89	CY	\$500.00	\$194,444.44
ASPHALT PAVING	250.00	SY	\$150.00	\$37,500.00
BUILDING				
STRUCTURE	35000.00	LS	\$1.00	\$35,000.00
LIGHTING	20000.00	LS	\$1.00	\$20,000.00
PLANT WATER SERVICE	5000.00	LS	\$1.00	\$5,000.00
DRAINAGE	8000.00	LS	\$1.00	\$8,000.00
ODOR DUCTING	2000.00	LS	\$1.00	\$2,000.00
MISC				
GUARD RAILING	190.00	LF	\$50.00	\$9,500.00
BOLLARDS	8.00	EA	\$1,000.00	\$8,000.00
MOBIL/DEMOBIL	10000.00	LS	\$1.00	\$10,000.00
ENGINEERING	6000.00	LS	\$1.00	\$6,000.00
FINISHES	3000.00	LS	\$1.00	\$3,000.00
			TOTAL	\$340,414.81