

ATTACHMENT 1C

Construction Plan

July 29th, 2022Humboldt County Building Department
c/o Keith Ingersoll

RE: Cosby Light-Weight Storage Tent Anchorage and Foundation

William Cosby
2434 Wisner Ave.
McKinleyville, CA 95519

Dear Mr. Ingersoll

Per your request, I performed a visual inspection and specification review of the anchorage and foundation for an existing hoop house located in McKinleyville. The purpose of my inspection and review was determine if the existing anchorage is adequate to prevent failure detriment to life-safety during a design wind or earthquake event.

During my review, I looked at pictures of the slab and anchorage construction and performed an assessment of the required design loading based on an importance factor of 1 for a private storage tent. Attachment 1 has a sketch of the foundation provided by Mr. Crosby and a picture of the foundation prior to placement of the concrete. The following description was provided by the client's consultant: "The footing is 3 feet wide and 8 inches thick (2x8 form boards with gap underneath). The slab is 4.5 inches thick with 3/8 rebar on 36-inch centers. The hold downs are 24 inches in from edge of slab. The tent size is 40 feet by 80 feet and the slab size is 44 feet by 84 feet." From my review and the description provided, the slab is adequately designed to support the light weight storage tent.

The anchorage consists of 10"x10" steel plates with (3) 5/8" x 4-1/2" Simpson Titen Anchors spaced at eight feet on center. The anchor plate is attached to the structure with heavy duty straps at a metal support bar provided by the tent manufacturer. Attachment 2 shows a picture of the anchorage configuration. Attachment 3 shows the product information with the applicable strengths highlighted. From my assessment, the anchorage exceeds the design capacity by over 300%.

From my site visit, information review, and assessment, the anchorage and foundation are adequate to support the governing lateral loading on the building to prevent life-safety structural failure. I have not performed and assessment of the building structure but did not see any signs of failure of the main force resisting systems during my visual inspection. Whitchurch Engineering has not performed construction inspections and does not undertake the guarantee of construction, all required certification and inspections required are independent of our review. No warranty is expressed or implied.

Please contact me if you have any questions.

Sincerely,

 7/29/22Brett Whitchurch, M.S., P.E.
RCE #90914



SHELTER

ASSEMBLY MANUAL

MODEL: 408020R

(W40H20R SERIES)

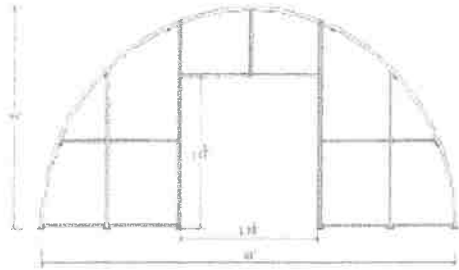
Size: W12.2m xL24.4mxH6.1m



Elevations (front, rear, sides)

SPECIFICATION

Width: 12.2m Length: 24.4m Height: 6.1m



IMPORTANT---READ MANUAL FIRST

Improper site preparation, assembly and maintenance may invalidate warranty and cause unnecessary and costly mistakes. If you have any questions contact your local dealer.

For User Friendly assembly we have identified each individual component with the part code as indicated in the parts list. Please refer to the part code numbers and drawing to ensure problem free assembly.

It's necessary to tighten the roof fabric enough to avoid "hammocks" on the roof and also re-tighten once or twice again after a few months of use. This is important when assembly in cold weather (autumn and winter) because the fabric is stiff then and when we got the sun and warm weather afterwards it will make the fabric "slack" again and need to be re-tighten before next winter.

It's the owners responsibility to take of snow immediately if not slide of by itself.

READ ALL INSTRUCTIONS BEFORE ASSEMBLY

1. Keep work area clean. Cluttered areas invite injuries. Do not set up near snow drifts, in slippery places, in high winds, or wet location.
2. Keep children away. All children should be kept away from the work area. Be aware of personal safety. Be careful not to pinch fingers with clips and tubes when assembling: when using makes sure there is adequate ventilation for exhaust and other dangerous fumes.
3. Do not over reach. Keep proper footing and balance at all times.
4. Do not assemble if under the influence of alcohol or drugs. Read warning labels on prescription to determine if your judgment or reflexes are impaired while taking drugs. IF there is any doubt, do not assemble.
5. Be aware of possible windy conditions; fasten the base in concrete if these situations may occur. Remove the cover during hurricane.
6. Be careful with power and heat sources. Do not keep heat sources near the tarpaulin. Do not expose to open flame.
7. Be aware of personal safety during assembly and use. Be careful not to pinch fingers with clips and tubes when assembling. when using makes sure there is adequate ventilation for exhaust and other dangerous fumes.