



MODCRIBS

LIGHTWEIGHT
STACKABLE
DURABLE



BENEFITS OF MODCRIBS

- 1 LIGHTWEIGHT**
Molded ModCribs weigh approximately **28 pounds** as opposed to the wood cribs weighing approximately **130 pounds**. ModCribs are much less likely to cause back injuries for the workers handling the units.
- 2 STACKABLE**
ModCribs are stackable, allowing a up to **1,000 ModCribs** on a single truckload compared to only around **200 wood** cribs per truckload.
- 3 SUSTAINABLE AND DURABLE**
Cast molded from structural foam utilizing some recycled material, ModCribs last indefinitely. When units do get damaged, they can be re-cast into new cribs.
- 4 COST EFFECTIVE**
Even with these benefits, ModCribs are comparable in cost to wood cribs, making the overall cost per project significantly lower due to the reduced transportation and handling expenses.



WHY CHANGE?

Problems with Currently Utilized Wood Cribs:

WEIGHT

Wood Cribs weigh up to 200 pounds each, making them difficult to handle without equipment, creating safety risks for workers tasked with positioning the units in place.

DETERIORATION

Cribs are used and stored outdoors. Weather and sun deteriorates wood units over time, giving them a finite lifespan.

EXPENSIVE TO TRANSPORT

Wood crib hauling requires expensive tractor trailers to ship. Delivery and pickup fees for each order adds significant costs to a project. The average commercial modular building requires anywhere from 3 to 6 semi tractor trailer loads of wood cribs compared to 1 or 2 box truck loads for the same quantity of ModCribs .

RESOURCE HEAVY

Each wood crib requires twelve 8 foot 2x4s and 400 nails.



LIGHTWEIGHT



100-130
lbs. each

28
lbs. each



DURABILITY & SUSTAINABILITY

- Wood cribs rot and breakdown quickly
- Requires **TWELVE** 2x4's & 400 nails to build each crib



- Cast molded, structural foam ModCribs last indefinitely





TRANSPORTATION EFFICIENCY

600

WOOD CRIBS

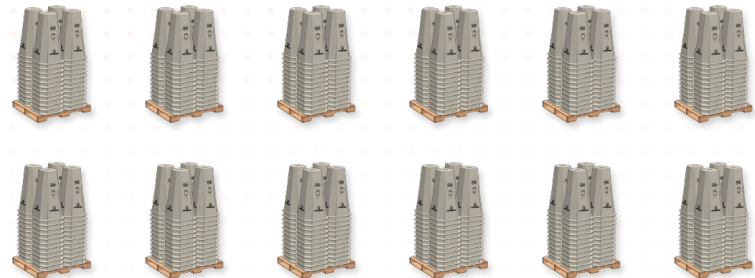
Very costly delivery & pick up



600

STACKABLE MODCRIBS

Very efficient delivery & pick up

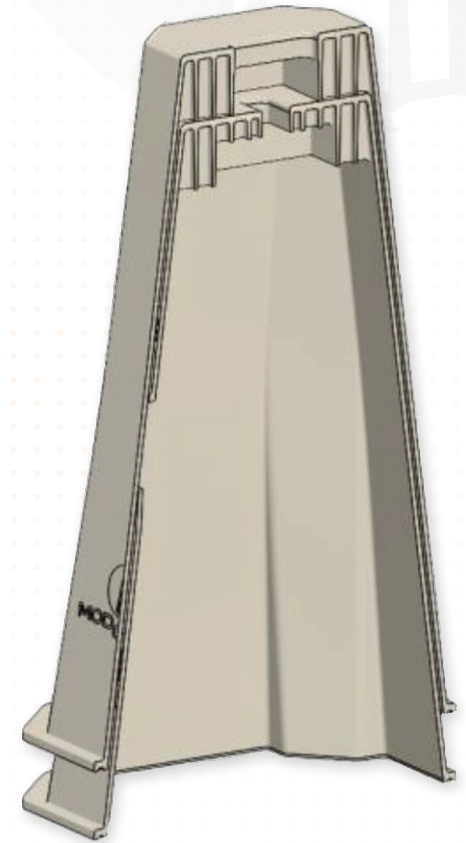


PORTABILITY

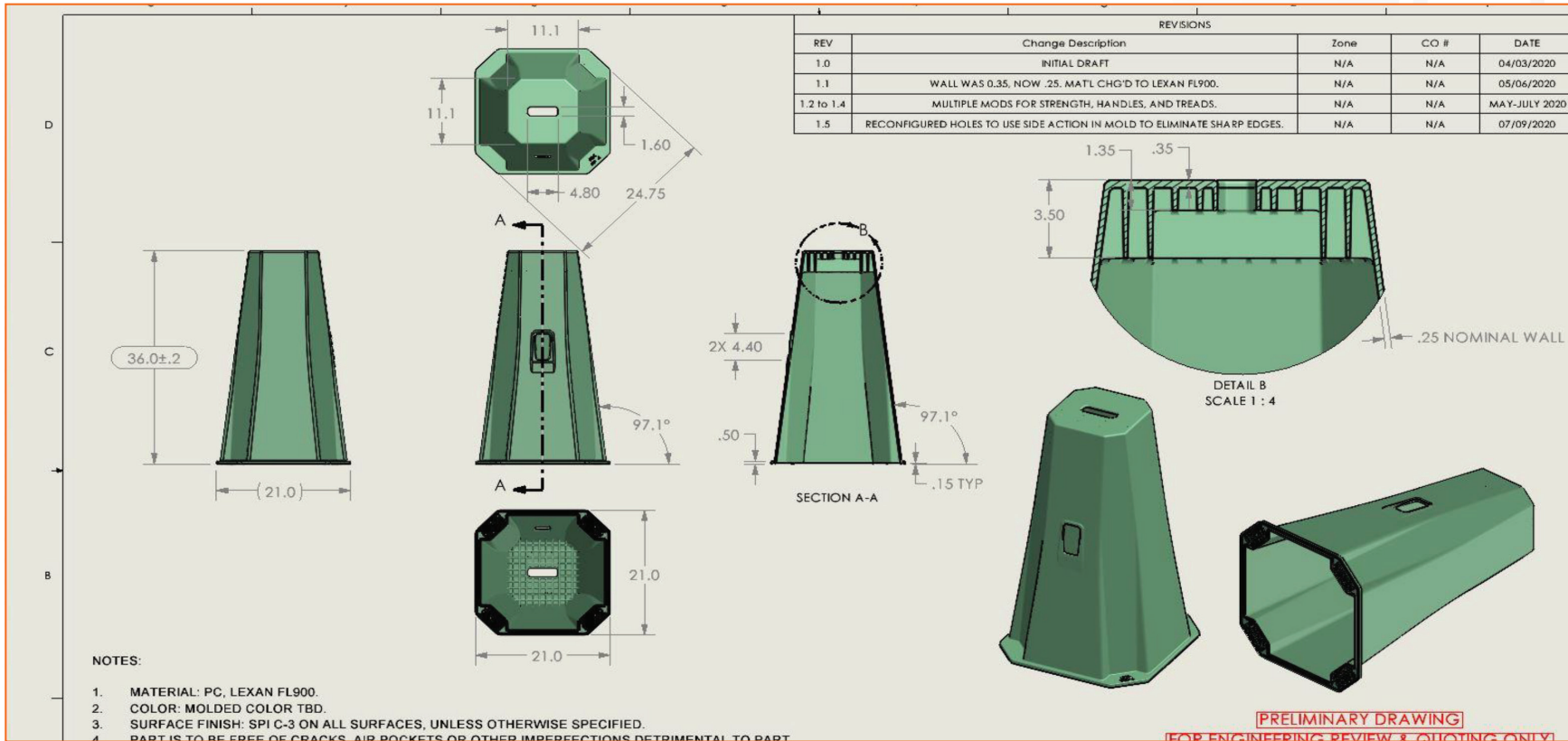
- Bulky, Unwieldy, Costly to Handle



- Light & Stackable



PRODUCT ENGINEERING



PATENTED



USO11466810B2

(12) United States Patent
Mitchell et al.

(10) Patent No.: US 11,466,810 B2
(45) Date of Patent: Oct. 11, 2022

(54) TEMPORARY SUPPORT STAND FOR A VOLUMETRIC MODULAR UNIT

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 16876,431

(22) Filed: May 18, 2020

(65) Prior Publication Data
US 2021/0356071 A1 Nov. 18, 2021

(51) Int. Cl.
F16M 11/22 (2006.01)
F16M 11/24 (2006.01)
E04C 3/00 (2006.01)
E02D 27/00 (2006.01)
E04C 3/30 (2006.01)

(52) U.S. Cl.
CPC — F16M 11/22 (2013.01); F16M 11/24 (2013.01); E02D 27/00 (2013.01); E04C 3/30 (2013.01); F16M 2206/08 (2013.01)

(58) Field of Classification Search
CPC — F16M 11/22; F16M 11/24; F16M 2206/08; B66F 7/00; B66F 13/00; E04C 3/30; E02D 27/43
See application file for complete search history.

(56) References Cited
U.S. PATENT DOCUMENTS
3,493,209 A * 2/1970 Brammer B66F 13/00 248/332
4,014,517 A * 3/1977 Keagle B66F 13/00
4,937,989 A * 7/1990 Mlyars B66F 11/4 254/48
6,219,981 B1 4/2001 Begett B66F 11/4 182/182.1 (Continued)

FOREIGN PATENT DOCUMENTS
CN 202519926 U 11/2012
JP 5155347 B2 3/2013

OTHER PUBLICATIONS
International Search Report and Written Opinion, PCT/US21/32991, dated Aug. 18, 2021, 14 Pages.
Primary Examiner — Tan Le (74) Attorneys, Agent, or Firm — Goodhue, Coleman & Owens, P.C.

(57) ABSTRACT
A support stand for supporting a volumetric modular unit above the ground is disclosed. The support stand includes a top portion with a top surface for contacting and supporting an underside of the modular unit above the ground. A bottom portion with a bottom surface supports the top portion at an elevation above the ground against the underside of the modular unit. An elevating portion has a top side connected to the top portion, a bottom side connected to the bottom portion, and an elevating span between the top side and the bottom side. A pad is connected to the bottom portion. The pad has a bottom surface for contacting and supporting the bottom portion against the ground, an inner pad perimeter and an outer pad perimeter. The top surface is parallel with the bottom surface. The underside and weight of the modular unit is supported on the top surface.

14 Claims, 17 Drawing Sheets

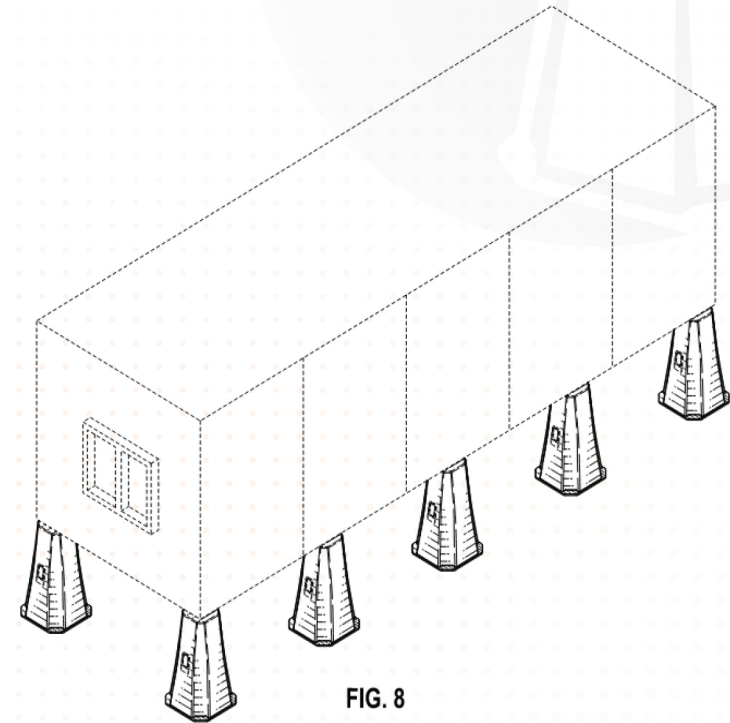


FIG. 8





FOR SALE & FOR RENT



RENTAL PROGRAM

ModCribs maintains an inventory of cribs to be rented to modular manufacturers, developers and contractors to support their stored modular units prior to being installed. This is a logistic component of commercial modular projects that often gets overlooked on budgets and scopes of work. None of these parties desire to handle the crib scope as it does not fall within their normal workflow. It requires delivery coordination, inventory management, pick up and storage between jobs, etc. Often, wood cribs are disposed of after only one project because it is less costly to throw them away than to transport and store them until they can be used again. With a simple phone call or online ModCrib order, this issue will be taken care of, including delivery and pick up. The client simply tells us how many modular units they need to store and when and where to deliver the cribs. All that's left is to call us when they are ready to be picked up.

SALES PROGRAM

ModCribs also sells cribs, primarily to modular manufacturers who use them to support modular units in their storage yards prior to shipping.





MOD **CRIBS**

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