

STRUCTURES
& BIN ACCESSORIES



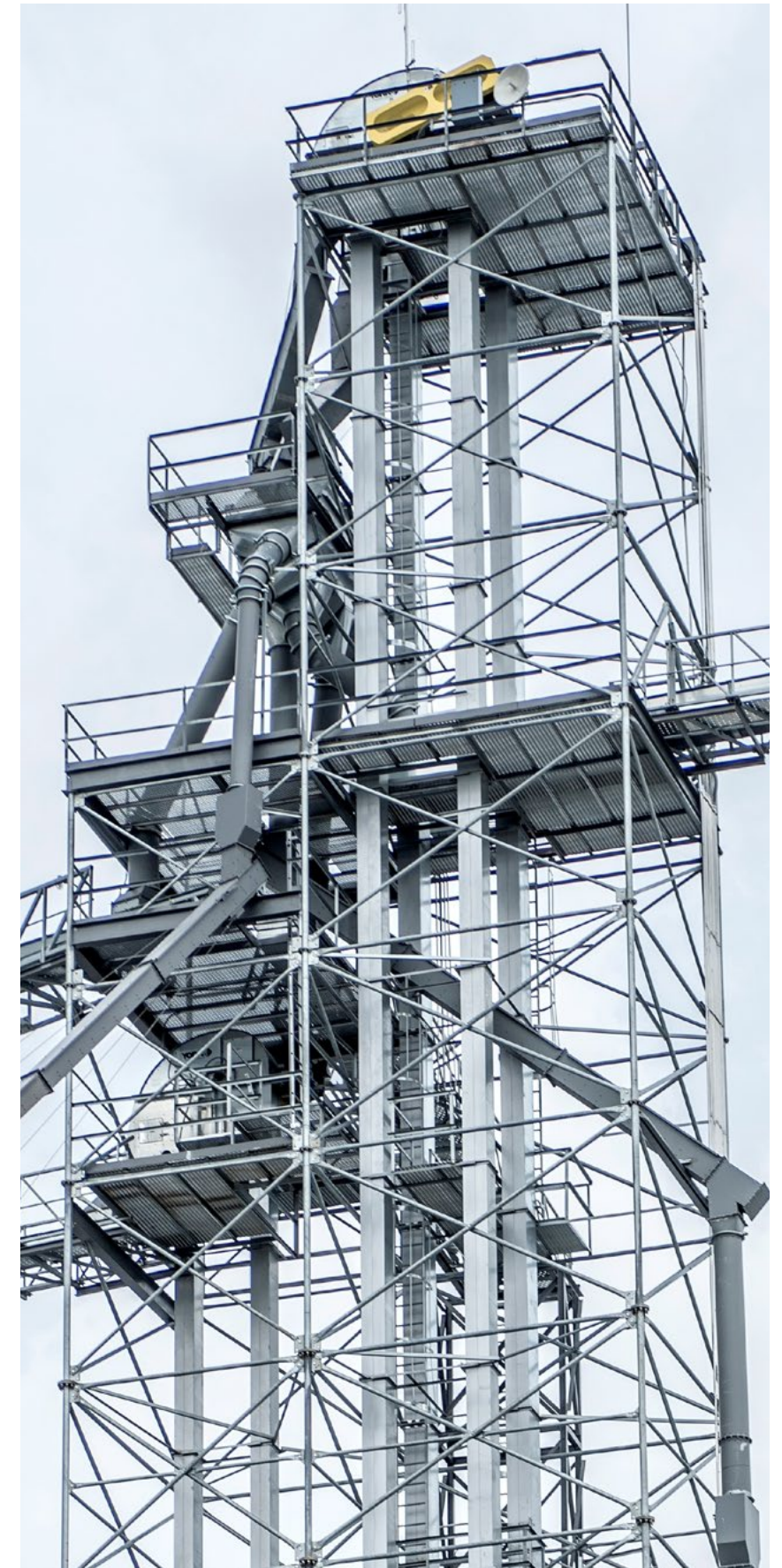
The Industry Leader

AGI Brownie has over 60 years of experience in steel fabrication of elevator and support towers for the grain and bulk handling industries. We have been setting the industry standard for strength, long life and quality. Our credentials include unparalleled customer service coupled with complete in-house engineering and our products meet or exceed OSHA standards.

The AGI Brownie Advantage

AGI's lineup of Brownie towers are designed and approved specifically for your application with round members that are stronger and create less wind load than angle iron members.

Along with our square towers we offer space saving rectangular towers to support catwalks and other structures. We offer a full line of accessories such as access braces, platforms, stairs with two landing options, or ladder and cage. This is available in two finishes; powder-coated or hot dipped galvanized.



Round is Significantly Better

AGI Brownie towers are obtainable in sizes 2', 4', 6', 8', 10', 12', 14', and 16' . Also available are square or rectangle configurations and 20' square towers.

Larger Towers are available to support multiple Bucket Elevators. Towers with smaller sides are more suitable for supporting catwalks. We can design square or rectangular towers to fit your needs.

Tower Sizes

AGI Brownie standard leg towers and support towers are completely free standing with no guy wires to clutter your facility. Each tower is strength-staged for area wind loads to 105 mph or above. All Brownie towers are designed with velvet gray polyester powdercoat finish standard, tubular steel contrstuction and prefabricated bolt-together modular design for economical shipments.



Catwalks

Easiest to assemble in the Industry

AGI Brownie manufactures a variety of catwalks that can cover any area of your conveyor support needs: from farm duty under truss designs to our popular hand-rail truss for longer spans with bigger conveyors. We also offer a commercial grade Thru Truss for those extra-long spans with multiple conveyors on one common catwalk.

All AGI Brownie conveyor supports are manufactured from high strength square or rectangular tube and come in two finishes; standard powder-coat grey and hot dip galvanized.

The following are standard AGI Brownie catwalk design loads.

- Wind Load: 105 MPH
- Snow Load: 25 psf (ground)
- Personal Load: 40 psf

6 Series Catwalk

Our 6 Series Catwalks are a versatile solution to accommodate various free spans and conveyor loads. The knockdown design provides for significant savings on transportation costs.

Available in four grades – 6A, 6B, BC, and 6D.

Conveyor mounting areas up to 6'

6A and 6B: 20", 30", 44" and 60"

6C and 6D: 30", 44", 60" and 72"

STANDARD FEATURES

- Rigid, double truss design
- Engineered for freespans up to 120'
- Different grades to fit specific application
- Capable of conveyor loads to 700 lbs per foot
- Enlarged drop-through openings
- Knock-down design for economical shipping
- 3', 6', 9' and 18' sections available

RS Series Catwalk

The RS Series Catwalk/Manwalk meets the requirements of most on-farm and country elevator grain storage and handling systems.

STANDARD FEATURES

- RS42 Manwalk is for rigid freespans up to 75'
- RS64 Catwalk is for rigid freespans up to 69'
- Square tubular handrail
- Under truss design allows alteration of handrails without sacrificing integrity of catwalk
- 24" conveyor mounting area
- Optional walk-around platform
- 3', 6', 9' and 18' sections available

Thru Truss

AGI Brownie Thru Truss Catwalk is designed for even heavier loads and longer spans.

- Up to 160' span and up to 800 lbs per foot conveyor weight



Support Structures

AGI Brownie Systems substructures are designed to support MFS 15' (4.57 m) diameter or 18' (5.49 m) diameter farm duty hopper tanks respectively. Each substructure will support an (8) ring hopper tank with 45° outlet cone or a (7) ring hopper tank with 60° outlet cone.

All structural steel members are designed in accordance with the requirements set out by the 14th Edition of the American Institute of Steel Construction's (AISC) "Manual of Steel Construction." Loading conditions are in accordance with applicable portions of the American Society of Civil Engineers' "Minimum Design Loads for Buildings and Other Structures" (ASCE 7-10)

The minimum design requirements for AGI Brownie structures are in accordance with the applicable structural portions of 2012 International Building Code (IBC).

Wind Load	105 mph
Snow Load	25 psf (ground)
Personal Load	60 psf

For any load conditions exceeding those listed to the left, you must contact AGI Brownie Systems for your substructure to be properly designed.

- Optional ladder and platform packages available.
- Structures available in either single bin or double bin configurations



Grain Bin Accessories

AGI Brownie Systems offers a wide range of grain bin safety equipment including:

Bin Stairway systems specially engineered to surpass the highest standards in safety, convenience and dependability on bins and silos of all heights and diameters.

STANDARD FEATURES

- Modular construction for easy installation
- No-drill installation with 32" and 42" bin sheets
- Intermediate platforms for easy access to hopper bin doors
- Toe-boards for extra platform safety
- Extruded, non-slip surface
- Flat and curved wall applications
- 6" wall offset to avoid the drip line
- Left and right spiral options
- Smooth, circular 1-½" (38mm) rails for a sure grip and added safety
- Single or doublewide platforms for easy access to roof stairs and manway
- All-galvanized steel construction for longevity and durability



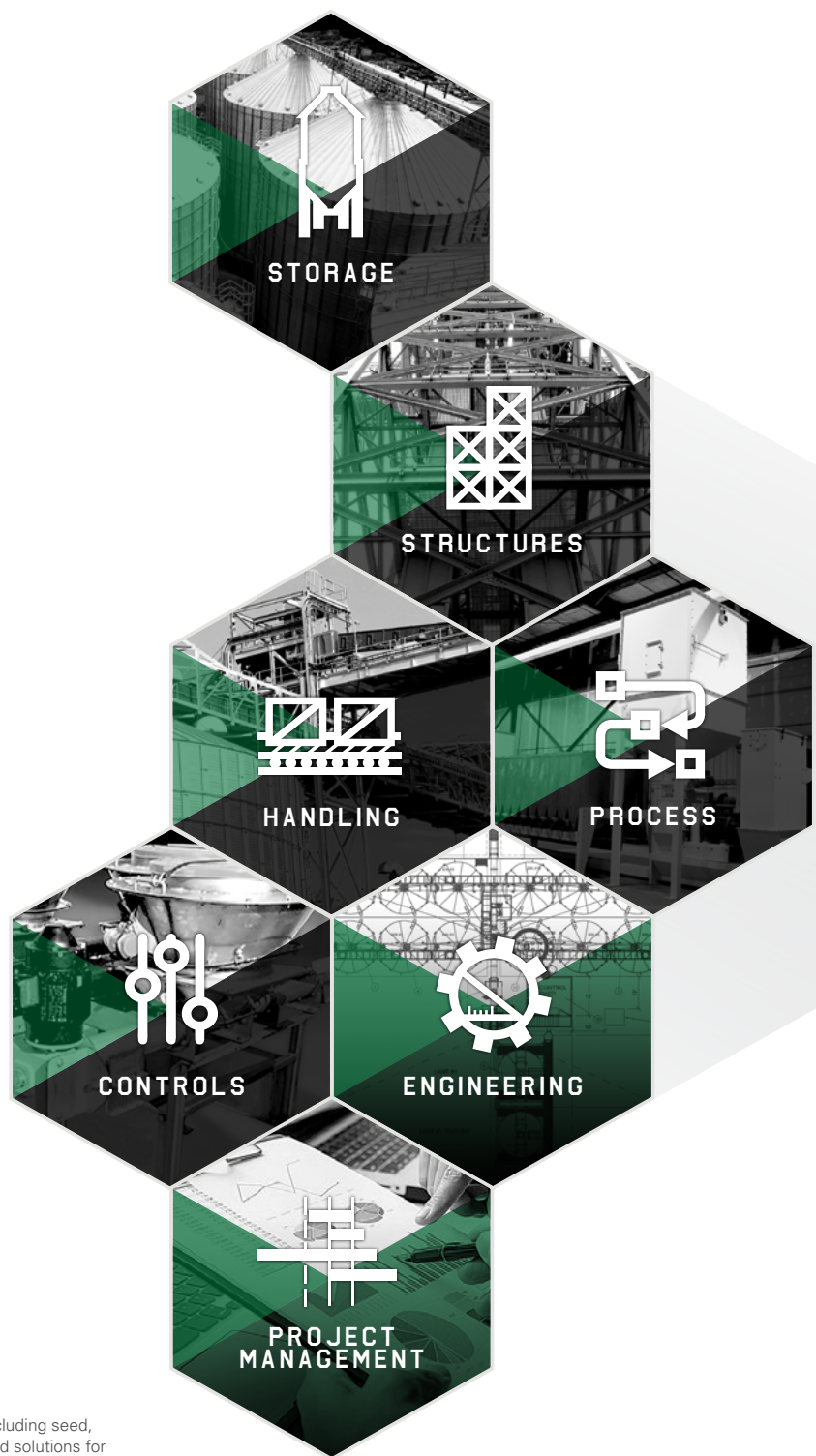
Multiple top platform options are available including; single, double, single crossover, crossover with double platform and more. Platforms available to connect two bins, as well as platforms that are designed to allow direct visibility into the bin (via manway) without climbing onto the bin roof.

Top platforms are designed especially for AGI MFS 32" sheets or for AGI MFS 42-²/₃" sheets.

ADDITIONAL OFFERS

- Roof safety accessories including manway rails, bin cap rails and peak safety walk around platforms
- Handrail packages
- Ladders





BROWNIE is an AGI Brand.

AGI is a leading provider of equipment solutions for agriculture bulk commodities including seed, fertilizer, grain, and feed systems with a growing platform in providing equipment and solutions for food processing facilities. AGI has manufacturing facilities in Canada, the United States, the United Kingdom, Brazil, South Africa, India and Italy and distributes its products globally.

AGI  BROWNIE

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