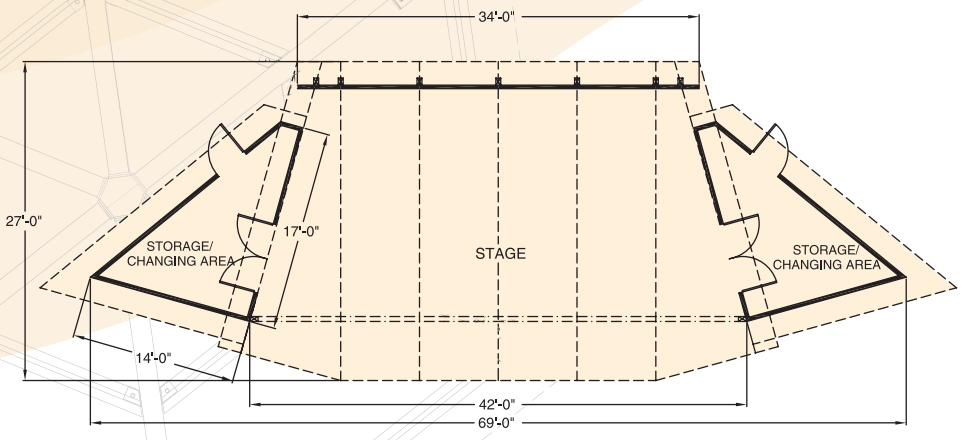
Cedar Forest Products Co.

BAND SHELLS

Our versatile Band Shells perform in any community

Open band shells are perfect for special holiday events and community gatherings. The fan-shaped closed-in wings feature a dressing room, as well as lighting and sound equipment storage. The versatile, pre-fabricated engineered building package can be adapted to suit any number of community entertainment events — performances, festivals and block parties.

- Wall timbers, nominal 5" x 8" decorative grade red cedar
- Engineered glue laminated arches
- Pre-built glue laminated trusses
- Pre-fab engineered building package



BAND 1 69' X 27'

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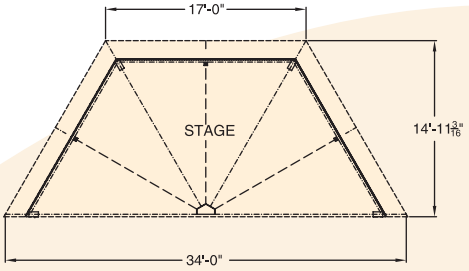
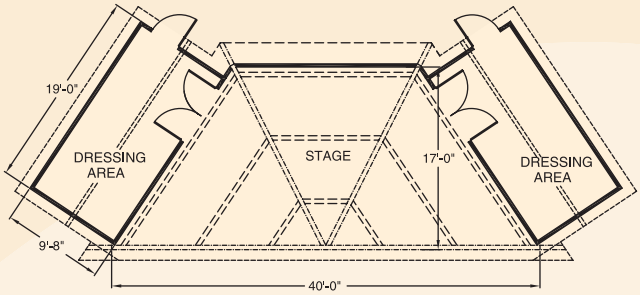
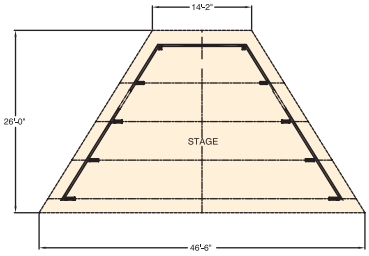


BAND 2 34' X 15'



BAND 3 40' X 19'



BAND 4 47' X 26'

CFP
CEDAR FOREST PRODUCTS CO

BANDSHELL

BUILDING STRUCTURE(S) SHALL BE BANDSHELL, AS FURNISHED BY CEDAR FOREST PRODUCTS COMPANY, P.O. BOX 98, POLO, ILLINOIS, 61064, USA, 815 946-3994 OR 800-552-9495.

SPECIFICATIONS

Building material package shall be as designed and manufactured by Cedar Forest Products and specified herein. Any changes or departures from design shall be explained and documented by complete engineered drawings by a registered structural engineer at least seven days prior to bid date.

WALL TIMBERS

Wall timbers, nominal 5" X 8" laminated Inland Red Cedar. Laminated timbers shall be made by glue laminating five (5) nominal one (1) inch pieces into one (1) permanently solid piece providing a heavy double tongue and groove, v-groove both sides. Actual finish size of the timber shall be 3-9/16" thick by 6-7/8 high. Moisture content shall not exceed 19% maximum measured throughout the piece. Laminating adhesive shall meet the requirements of Mil-A-397B, Mil-A-5534A or ASTM-2559-66T. 100% exterior waterproof type. Face timber is Decorative Grade allowing the appearance of sound knots and other minimal growth traits. Face surface pattern shall be V-grooved on both interior and exterior faces and end-matched. No finger joints allowed. Solid and/or pine wall timber systems shall not be acceptable.

ALLOWABLE DESIGN STRESSES

FC	Compression parallel to grain:	650 PSI
FC1	Compression perpendicular to grain:	425 PSI
FOV	Horizontal sheer:	75 PSI
FB	Bending:	700 Lbs. PSI
FT	Tension parallel to grain:	425 Lbs. PSI
E	Modulus of elasticity:	1,000,000 PSI

STANDARD AND SPECIES OF LUMBER

1) All lumber shall conform to the current published standards of the following associations or agencies, as applicable unless otherwise specified herein:

   a) ASTM Designation D-245
   b) Western Wood Products Association- Grading Rules for Western Lumber-Latest Edition

WALL TIMBERS MATERIAL

1) Timbers shall each be coded, numbered and lettered for placement per course.
2) Timbers shall be pre-cut to exact lengths per course with dovetail corners using 4" extensions and 4" filler blocks.

3) Timbers to be pre-drilled for fasteners at no more than 36” on center.
4) Manufacturer shall provide timber fasteners- to be screwed into each timber course at no more than 36” on center. Fasteners shall be ¼” (.250) X 10” hex head style screws. 5/16” hex head thread length 2”. Average pull out 1450 lbs. Average ultimate single shear 2995 lbs. Coating electro statically applied fluorocarbon polymer coating. Coating to exceed the corrosion test requirements of FMRC standard 4470 Natural Salt Spray ASTM B 117-90
5) Construction adhesive and/or other air infiltration-heat flow deterrent measures for the wall timbers shall be provided by the manufacturer. Construction adhesive conforms to FHA-HUD Bulletin UM-60.
6) Notches, beam pockets window and door openings to be pre-cut. Full heights are to be trimmed by the contractor on the building site.
7) Exterior Trim Skirt Board nominal 1” X 4” Surfaced on Four Sides, kiln-dried, cedar, “D” and better sound tight knot.

FIRE RESISTANCE RATING

1) The fire endurance rating of the building load bearing cedar wall timbers shall be determined in accordance with the test procedures set forth in the American Society for Testing Materials. (ASTM 119) Fire Tests of Building Construction and Materials. Symmetrical, load bearing cedar timber wall when tested in accordance with ASTM E 119-88, shall meet minimum one hour fire endurance and hose stream test.
2) A report of a one-hour fire endurance and hose stream test constructed on a symmetrical and load bearing cedar timber wall shall be provided by the manufacturer upon request.

EXTERIOR FINISH

All Western Red Cedar to receive two coats of Cabot’s Semi-Transparent stain, or equal. Color to be selected by owner/design professional.
Finish coats-material and labor by others.

SUPPORT COLUMNS

Material and Quality Assurance. Structural glue laminated timber shall be in conformance with ANSI/AITC Standard A.190.1 (latest edition), American National Standard for structural glue laminated timber. Species: Laminated lumber shall be kiln-dried Port Orford Cedar, architectural appearance grade, sealed and wrapped. The front laminated columns shall be sized to suit loading requirements. The columns in back (wall stiffeners) shall also be sized to suit loads. Manufacturers shall furnish connection steel and hardware for joining structural glue laminated timber members to their supports, exclusive of anchorage and embedment in masonry or concrete (Anchor bolts, rebar, and other concrete reinforcement items are not furnished.

CONNECTOR PLATES

Plates shall be fabricated from structural steel ASTM-A-36, steel plates shall be prime painted with standard prime paint, PPG epoxy primer. Finish Coat: Premium rust control latex inhibitive enamel as manufactured by PPG, or equal. Surface preparation is in accordance with SSPC-SP10. Color: Mocha Tan. Unfinished zinc plated bolts.

RAFTERS, HEADERS, AND PRE-CUT TRUSS

Material and Quality Assurance. Structural glue laminated timber shall be in conformance with ANSI/AITC Standard A.190.1 (latest edition) American National Standard for structural glue laminated timber. Species: Laminated lumber shall be kiln-dried Southern Yellow Pine, architectural appearance grade, sealed and wrapped. The roof system is designed to withstand 30 PSF live load and 20 PSF wind load on the vertical projected area. Laminated low pitch beams shall have a 3/12 slope.

ROOF DECKING

Machine stress-rated lumber, 2700 Fb-2.2 E (nominal) 2" x 6" #1 grade, single tongue and groove with V-joint on bottom face, kiln-dried Southern Yellow Pine, maximum moisture content shall be 19% or less selected for decking. Roof decking shall be field cut, specified lengths with all joints over supports. Western Wood Products Association Grading Rules, Southern Pine Inspection Bureau (latest edition).

FASCIA

(Nominal) 2" x 8" Western Red Cedar, "D"/ Better Grade, kiln-dried, Surfaced on Four Sides, Western Wood Products Association Grading Rules-(latest edition).

ROOFING MATERIAL

1) Shingles shall be class "A" fire rated, architectural grade, laminated fiberglass shingle with a 35 year limited warranty, ASTM D 3018 type 1. To be installed, over 30 lb. felt and style "D" roof edge. Roof application as per manufacturer's specifications. Color to be approved by owner/design professional.
2) Fasteners shall be conventional barbed shank roofing nails (11 or 12 gauge) with 3/8" diameter heads.
3) Metal roof edge shall be brown steel and shaped as detailed on drawings.

EXTERIOR DOORS

1) Exterior Door: Ceco 3/0 X 7/0 steel 18 gauge 1-3/4" thick flush, door. Prime finished grey. Field painting is required. Finish Coats: Surface preparation in accordance with SSPC-1 and or SSPC-2. Prime with kem kramik universal primer as manufactured by PPG, or equal. Top Coats (two required) of heavy duty Alkyd Enamel as manufactured by PPG, or equal. Color to be selected by owner/design professional.
Finish Coats- Material and Labor by Others.

2) Exterior Door Frames: Ceco 16 gauge, knocked down, with plumb anchors. Prime finished grey. Finish Coats: Surface preparation in accordance with SSPC-1 and or SSPC-2. Prime with Kem Kramik universal primer as manufactured by PPG, or equal. Top coats (two required) of heavy duty Alkyd Enamel as manufactured by PPG, or equal. Color to be selected by owner/design professional. ***Finish Coats- Material and Labor by Others.***

3) Hinges: 1-1/2 pair Hager #1279BB N.R.P., or equal. US26D Finish.
4) Door Closure: Yale V-53SB.

5) Dead Bolt: Double Cylinder Schlage B 162N.
6) Restroom Signs, to be installed on doors, and shall be ADA compliant, 3-D Braille, 6” X 9”, white on black, with raised letters and graphics.

FIRE RESISTANCE STANDARDS

Materials and systems used shall be in accordance with all the provisions of the Uniform Building Code; BOCA National Building Codes; and Standard Building Code. Please check local code requirements to assure compliance.

SHOP DRAWINGS

The fabricator shall furnish complete shop drawings showing necessary details. Installation of the structure shall be done with a competent supervisor in the construction trades providing proficient construction practices and procedures. The General Contractor is responsible for unloading and the protection of material after arrival at destination. The contractor will be required to shim, cut, and make adjustments for proper building erection. Cedar Forest Products has a policy of continuous improvement and will notify client of any specification changes.

ENGINEERING

Building material packages that are designed and manufactured by Cedar Forest Products are reviewed by a registered structural engineer. Stamped structural drawings by a registered engineer licensed in the state of the project are available upon request. Structural calculations are available for an additional fee. Not included in our package is the site specific design of the foundation. No foundation stamped engineer drawings or calculations are provided by Cedar Forest Products. The purchaser must consult with a local registered structural engineer if the soil bearing conditions are different than those indicated in our drawings. The design, excavation, and construction of the structure(s) foundation must be verified by a local registered structural engineer.