

## SECTION 00 91 02

### ADDENDUM 2

#### PART 1 GENERAL

##### 1.1 NOTICE TO BIDDERS

- A. This Addendum is published pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual and Drawings. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The deadline for receipts of bids is hereby extended to **Friday, October 7, 2022**, at 3:00 p.m. All other bidding instructions are unchanged.

##### 1.2 ATTACHMENTS

- A. SK-1, updated detail 3/A501.
- B. One annotation for detail 5/A501.
- C. Three photographs, for reference.
- D. Copper Development Association (CDA) detail 8.1B from *Copper in Architecture Design Handbook*, for reference.
- E. CDA detail 8.3G, for reference.
- F. Catalog cut sheet, for reference, from "Robertson Glazing Construction for Industrial and Commercial Buildings," H. H. Robertson Co., Pittsburgh, PA, 1925.

##### 1.3 WRITTEN QUESTIONS RECEIVED FROM BIDDERS

- A. Question: In reference to the note on sheet A202 which reads, "EXISTING PLASTER WALLS. PROTECT IN PLACE DURING THE PROJECT. PRIME AND PAINT WHITE," what means of access is available at the plaster cylinder for this work?
  - 1. Answer: There are existing metal brackets at the perimeter walls as well as the central hub of the laylight that are available to support lightweight planking or similar access inside the cylinder. The access door into the cylinder from the attic is relatively small, approximately 18 by 36 inches. Additional photographs follow.

- B. Question: It is difficult to visualize the decorative profile of the batten covers from the photographs. Can detail 3/A501 be updated?
1. Answer: Refer to SK-1, depicting the typical batten geometry; exact dimensions to be verified in the field.
- C. Question: There is mention of electrical work in the bid docs. Can you please clarify what electrical work is required?
1. Answer: Electrical work is limited to whatever temporary electric appurtenances are necessary for the Contractor's operations. Refer also to section 07 61 00 paragraph 3.3-F: electric soldering irons are required; soldering by torch will not be permitted on site.
- D. Question: Due to the high volatility of copper pricing, how should we account for price escalations into 2023?
1. Answer: Bidders should use best available current pricing information for all material. In the event of a very large price swing between the bid date and issuance of Notice to Proceed, the Owner will negotiate an equitable adjustment with the selected Contractor.
- E. Question: On the interior, is the chandelier to remain or is there a scope of work associated with it?
1. Answer: No work is required at the chandelier, other than to protect it during plaster ceiling work.
- F. Question: Has the putty on the skylight glass been tested for asbestos? It most likely will have asbestos.
1. Answer: The putty has not been tested and is currently inaccessible for testing due to the presence of the temporary tarp. Bidders may exclude costs related to remediation of asbestos-containing materials from their scope.
- G. Question: We cannot buy the hexagon wire glass any longer for the skylight. We can only get diamond pattern. Will that be acceptable?
1. Answer: Yes, the wire glass is not visible to the public, so matching the exact pattern of the original glass is not required.
- H. Question: Regarding the skylight, is there any as-built information available as to the original manufacturer that can be provided? Is this a double glazed skylight?
1. Answer: The skylight is identified on the 1930 architectural drawings as a double-glazed skylight with internal gutters provided by the H. H. Robertson Company. The attached catalog cut sheet shows the type of system manufactured circa 1930 by the Robertson Company. This generally appears to be the type of skylight that is present on site. The skylight is double glazed, meaning two independent layers of single-pane wire glass are present (not IGUs).
- I. Question: Do we know if the laylight glass loosely set in place or is it set in some type of putty?
1. Answer: The laylight glass is bedded in putty on the frame. The glass will need to be protected in place throughout the work.
- J. Question: What type of glass is in the laylight? Is it something readily available?
1. Answer: The existing glass in the laylight is patterned obscure glass. The existing glass should be protected throughout the work.

- K. Question: Skylight Contractor would like to set scaffold inside the library and leave up for duration of project. Would this be acceptable with the owner?
1. Answer: The Owner would prefer that the public areas of the library are minimally encumbered during the work, while acknowledging that staging and work will need to occur in the rotunda area. Scaffolding shall be designed to permit public access through the rotunda during the work.
- L. Question: There are sprinkler heads on the ceiling. Will those be shut off for the duration of the project or will remain active?
1. Answer: The fire sprinkler system will remain active throughout the duration of the project. The sprinkler heads in the rotunda cannot be readily isolated from the remainder of the system.
- M. Question: Is night work/off hours required for any of the interior work or are we to figure straight time 7:00 am-3:30 pm
1. Answer: There is no requirement to work off-hours. Note that the library opens to the public at 9:00 a.m. The Owner requests that major interior noise-producing activities (e.g., erection of scaffolding in the rotunda) be performed prior to 9:00 a.m.
- N. Question: Will the city be handling the permit or will the contractor be required to obtain?
1. Answer: The Owner has begun the process of obtaining a permit, and historic preservation review has been completed. An updated application with the Contractor's name shall be submitted to the City after award. Any permit fee will be the responsibility of the Owner.
- O. Question: There is no mention of "interior protection" hanging plastic to limit any dust/particles from falling, etc. Is/Would an interior protection company required to hang any visqueen/plastic? If an interior protection company is not required to hang plastic what are the expectations for the contractor?
1. Answer: The rotunda area must remain open to the public throughout the work. The Contractor shall take appropriate steps to minimize dust and construction debris from entering the occupied spaces of the library.
- P. Question: Being a historical building that dates back to the early 1900's, is there any concern for the ceiling to crack due to movement, vibrations, or other means while the removal/installation process is occurring?
1. Answer: The existing ceiling is plaster applied to metal lath and suspended from the steel truss structure above. It is original to construction of the building in 1930. We assume that the plaster repair and repainting work will occur in the latter half of the construction process (once all existing roof leaks have been addressed by installation of the new materials). Any cracks or plaster damage that occurs due to contractor operations are to be repaired at no additional cost to the Owner.
- Q. Question: Delegated Design is called out in Administrative Requirements section 01 30 00-6; 1.7 E., Will a set of calculations be required to be stamped a PE?
1. Answer: Division 01 language applies where stated in technical specification sections (Divisions 04 to 09). Also, Contractor is responsible for appropriate engineered design of all temporary elements, e.g., scaffolding.

- R. Question: Under Specification section 01 40 00-2; 1.5 A, Testing Agency; will the contractor be required to use a 3rd party for this testing or will it be the responsibility of the owner?
1. Answer: Refer to technical specification sections (Division 04 to 09) for specifics related to testing. As one example, see section 04 01 27 article 3.5.
- S. Question: Regarding the Transverse Seam depicted in detail 2/A501 – Confirm that the “pans” for the dome should be installed in this manner and have a double locked batten seam with sealant in the seam per Specification 076100, page 10, para 3.3-G.4, similar to CDA Detail 8.1B except that the wood batten should be similar to the existing profile.
1. Answer: Yes, this is the correct understanding of the design intent. CDA detail 8.1B is attached for reference by all bidders.
- T. Question: Regarding the Transverse Seam depicted in detail 2/A501 – Confirm that in addition to the “CLEAT WITH UPTURNED LEG FASTENED TO BATTENS” there should also be cleats along the batten similar to CDA Detail 8.3G. Confirm these cleats should be at 12” o.c. and can be installed by either method shown on CDA Detail 8.3G
1. Answer: Yes, the batten cleats depicted in CDA detail 8.3G option 2 match the design intent for securing the panels to the batten strips. CDA detail 8.3G is attached for reference by all bidders.
- U. Question: Regarding the Transverse Seam depicted in detail 2/A501 – Confirm that if any seams are required in the Batten Cap that they should be lapped a minimum of 3” per CDA Detail 8.1C?
1. Answer: Batten caps should be lapped and soldered. See paragraph 3.3-G-5.
- V. Question: Regarding the New Gutter at Base of Dome, Detail 5/A501 – New wood blocking at 12”o.c. At the base of the dome roof there is wood blocking at 12” o.c. to be mitered at the proper angle for the apron flashing to transition from up under the end of the copper batten to over the edge of the wall above the new bullnose. Please confirm if plywood should be installed on top of the mitered wood blocking to provide continuous support?
1. Answer: Correct, please provide 3/4 inch plywood atop the blocking to provide support for the underlayment and metal roofing. See attached annotation to detail 5/A501.
- W. Question: Regarding Section Thru Center of Dome, Detail 1/A202 – Interior scope of work includes all interior brick being cleaned and then all joints ground and tuckpointed. The provided photographs indicate a wooden platform landing and a wooden ladder up to existing steel truss framing. Other attic photos appear to indicate that this wood platform framing (at the elevation of the bottom of the access door threshold) is continuous around the building at an elevation approximately 5’-0” below the bottom of the steel beam supporting the existing steel truss. Please confirm that there is an existing platform that will allow access to perform the masonry scope of work from the top of the plaster ceiling to the bottom of the steel beam?
1. Answer: No, the lower level wooden platform exists only at the north side of the building at the access door from the exterior to the interior. Access for repointing of masonry below the level of the existing steel beam and truss framing will need to be provided by the contractor. Possible means of access may include platforms suspended from the truss framing on hooks, cables, or rods, or a bosun’s chair. We acknowledge that there may be small areas at the far outside corners that are not accessible for repointing. Also, please note that the expectation for cleaning at the masonry in the attic is limited to removal of loose fragments and efflorescence, including debris that has fallen to the top of the ceiling below, using dry brushing and a shop vacuum, or similar means.

- X. Question: Regarding the Performance and Payment Bonds, is the required performance payment bond for a duration of 1 or 2 years beyond the completion of the project?
1. Answer: The duration of the bonds shall for 2 years after Substantial Completion, matching the overall warranty period; see section 00 72 00, paragraph 1.2-H.
- Y. Question: The Joint Sealant warranty states that a 10-year warranty period is required. Is the warranty period 2 years?
1. Answer: There is a general 2-year warranty for all aspects of the project. Joint sealants specifically are to be warranted for 10 years, as described in section 07 92 00 article 1.9
- Z. Question: Regarding the Installer Warranty for batten seam sheet metal roofing, the warranty period for this section is two years. Please provide a copy of the sample warranty as provided in the Joint Sealants.
1. Answer: There is no specific format required for the warranties of this section. Please disregard the mention of "specified form" in section 07 61 00, paragraph 1.11-B.
- AA. Question: The bid form asks for a start within Number of Days after notice of Contract Award and complete within Number of Days in calendar days after start date. Addendum No. 1 requests a tentative schedule to complete the work in 2023 be submitted with the bid. Thus, starting the contact within a given number of days from award is problematic in that the work would not likely start until Spring 2023. Not knowing when the work is going to be awarded makes it difficult to provide the start in the number of days. Please provide clarification on dates versus schedule.
1. Answer: In preparing a tentative schedule, Bidders may assume that Notice of Intent to Award will be provided to the selected Bidder not later than October 31, 2022. Please complete section 1.3 of the bid form in coordination with the draft schedule. See also section 00 21 13, paragraph 1.4-D, and section 01 30 00, article 1.6.



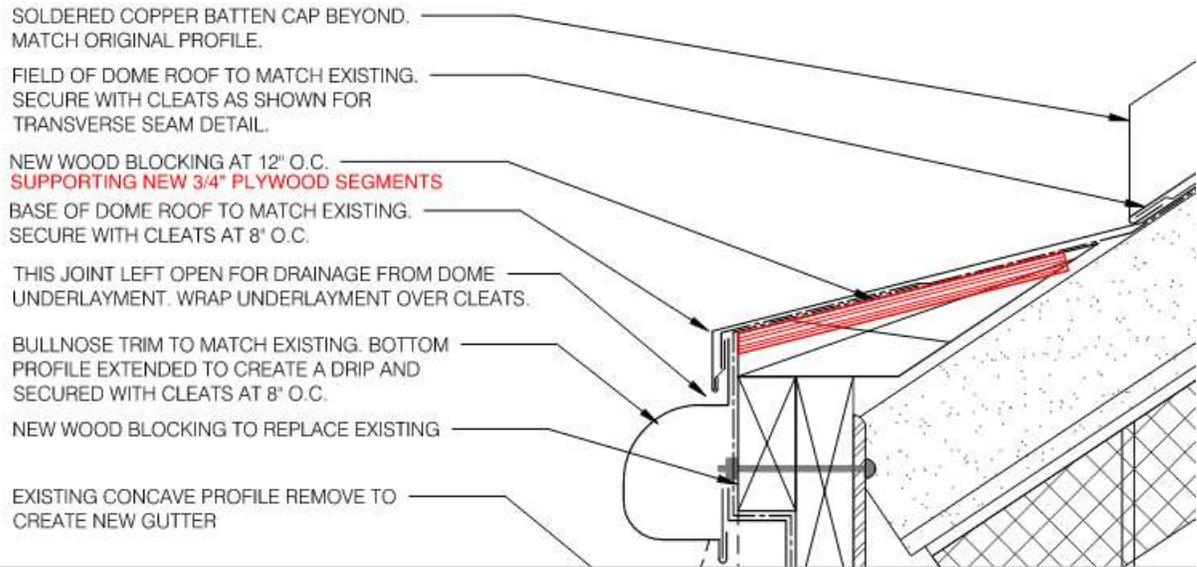
Figure 1. Wall brackets and central hub above laylight.



Figure 2. Wall brackets and central hub above laylight.



Figure 3. Access door from attic into laylight area.



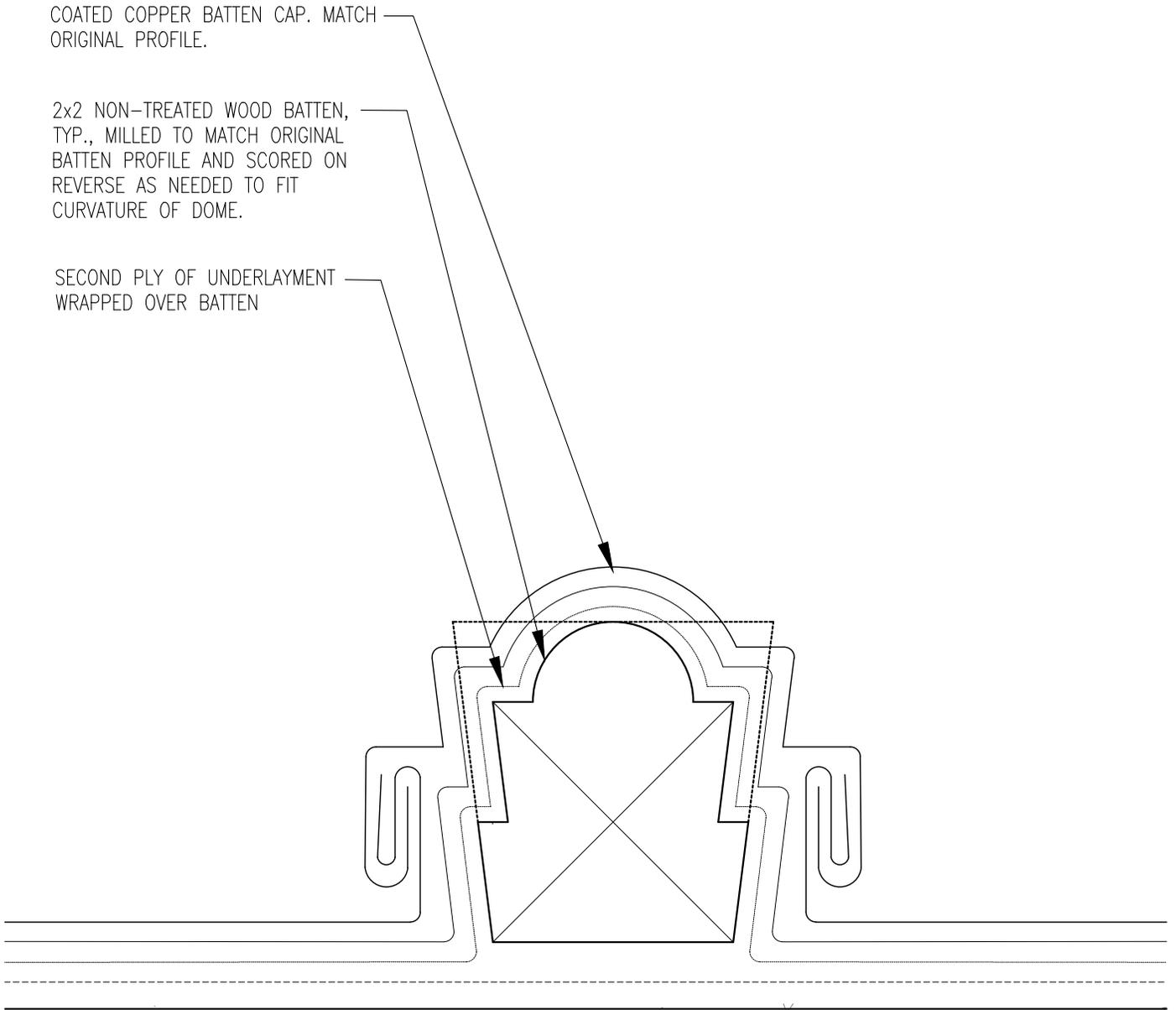
+6Refer to detail 5/A501

**END OF ADDENDUM 2**

COATED COPPER BATTEN CAP. MATCH ORIGINAL PROFILE.

2x2 NON-TREATED WOOD BATTEN, TYP., MILLED TO MATCH ORIGINAL BATTEN PROFILE AND SCORED ON REVERSE AS NEEDED TO FIT CURVATURE OF DOME.

SECOND PLY OF UNDERLAYMENT WRAPPED OVER BATTEN



Ref. Detail 3/A501



Wiss, Janney, Elstner Associates, Inc.  
330 Pfingsten Road  
Northbrook, Illinois 60062  
847.272.7400 tel | 847.480.9534 fax  
www.wje.com

Project  
**Lake Forest Library Dome Roof Replacement**  
360 Deerpath Road, Lake Forest, IL 60045

**Batten Profile**

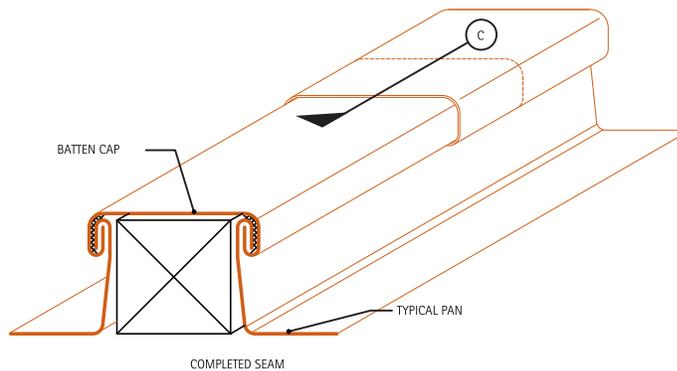
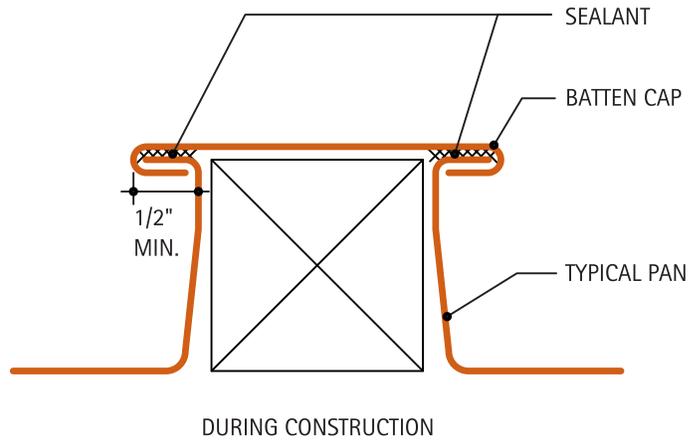
Proj. No. 2021.5121  
Date September 26, 2022  
Drawn TMP  
Checked KMI  
Scale 1'-0" = 1'-0"

Sheet No.

**SK-1**

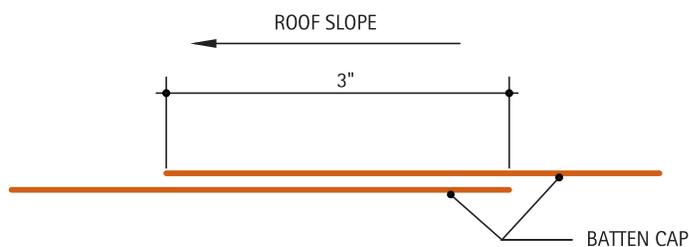
### 8.1B. Batten Seams

A compatible quality rubber or synthetic based sealant should be applied to the top flange of each pan prior to installation of the batten cap.



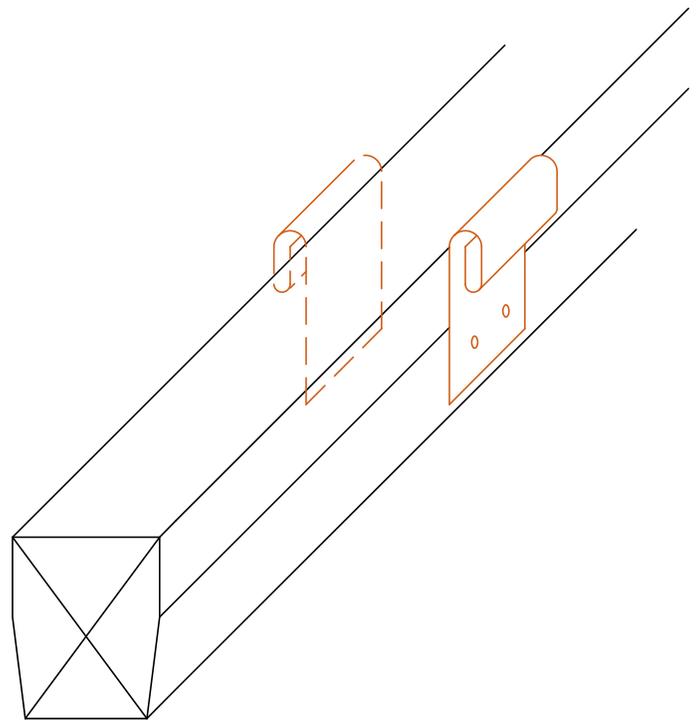
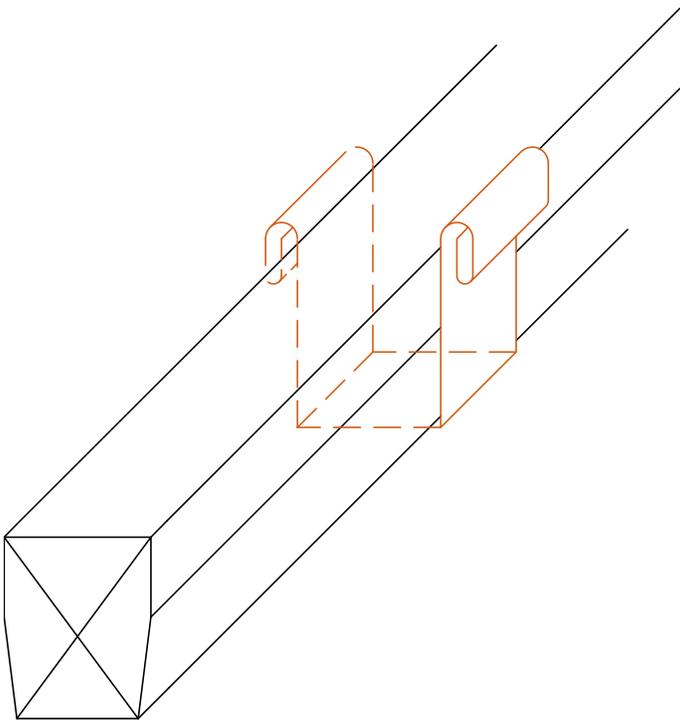
### 8.1C. Batten Cap

Where batten caps join, a 3" lapped seam is required

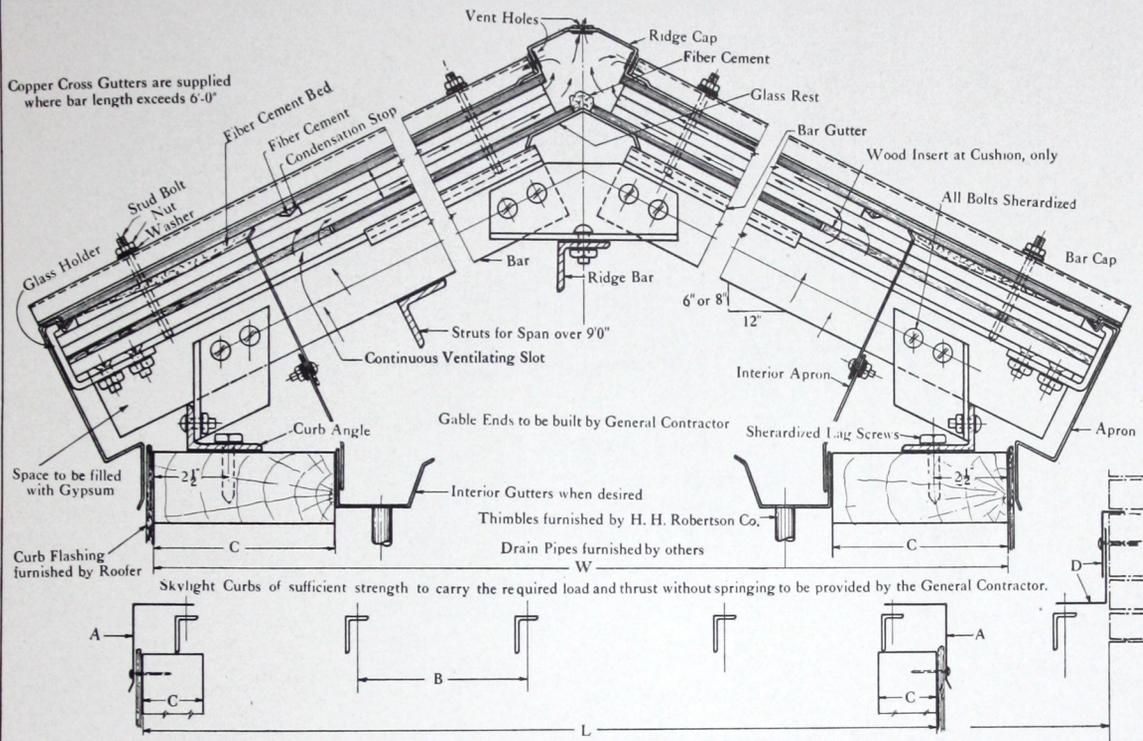


### 8.3G. Alternate Cleat Types

These types of cleats may be used with batten seam roofs. The type shown on the left must be placed during batten installation. The type on the right is attached to the installed battens with copper nails before or after batten installation.



ROBERTSON DOUBLE GLAZED DOUBLE PITCH SKYLIGHT



- A—Flashing over curb.
- B—Bar spacings 18 $\frac{3}{4}$ " and 20 $\frac{3}{4}$ ". These spacings take respectively 18" and 20" glass.
- D—Flashing and counter flashing where skylight butts against wall.

MAXIMUM SPAN "W" FOR VARIOUS SECTIONS

2" x 1 $\frac{1}{2}$ " x 3 $\frac{3}{16}$ " T = 9'0"	2 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x 1 $\frac{1}{4}$ " L = 12'6"
2 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x 3 $\frac{3}{16}$ " L = 11'0"	3" C 4.1 Lbs. = 20'6"

\*Members carried in stock.

**Standard trim** is Black Asbestos Protected Metal for Type B. Copper or Galvanized Steel for Type A.

**Standard bars** of black painted steel. Standard bar spacing of 20 $\frac{3}{4}$ " recommended for double glazed skylights. Prices for special Asbestos Protected Metal or galvanized steel bars upon application.

**Standard pitches** 6" or 8" in 12". Other pitches special. Lower pitches than the standard are undesirable because of greater thrust against curbs.

**Double glazed skylights designed** for 35 pounds live load and 11 pounds dead load, with a maximum bar deflection of 1-30" per foot of span.

**When ordering** always give

- Symbol W—Skylight width.
- Symbol L—Skylight length (out to out of curb, or face of wall).
- Symbol B—Bar spacing.
- Symbol C—Wood plate curb should have 6" minimum width.

Quicker delivery and better prices can be secured by using standard construction as clips and other parts are carried in stock.

The following patents apply to Robertson Skylight Construction

No. 1,115,714 Nov. 3, 1914	No. 1,156,335 Nov. 12, 1915	No. 1,167,949 Jan. 11, 1916
No. 1,168,599 Jan. 18, 1916	No. 1,195,090 Aug. 15, 1916	No. 1,227,861 May 29, 1917
No. 1,243,020 Oct. 16, 1917	No. 1,277,755 Sept. 3, 1918	No. 1,280,913 Oct. 8, 1918

Licensed under Patents Nos. 775,635 and 775,636. Other patents pending.