

General Project Specifications

1. The project scope is to repair the 20 deteriorated glulam beam ends (including the installation of the temporary shoring as designed by the contractor's engineer). The shoring design shall be reviewed by the City of Winnipeg. Bidding contractors shall have suitable previous experience in the opinion of the City of Winnipeg. Please provide a separate sealed envelope with a list of previous work experience and along with the corresponding client contacts from these previous glulam beam repair projects.
2. All repair work is external to the building shell but the contractor will have full access to the interior arena space. Access to the arena lobby and remaining areas of the building will be at the discretion of the City of Winnipeg.
3. Provide a lump-sum base bid to repair all 20 glulam beam ends. Provide a separate lump-sum extra price to supply & install all new metal cladding as shown on Drawings SK-10 to SK-14 for the 20 repaired glulam beam ends.
4. There will be a site meeting during the tender period so that bidding contractors can familiarize themselves with the existing conditions and better understand the project.
5. The glulam beam repairs are to be completed by August 15, 2009 (so that to the arena can start up as scheduled).
6. Contractor to install temporary shoring (as designed & paid for by the contractor's engineer). The shoring shall be fully braced to safely withstand all forces encountered during construction. The shoring loading on the existing arena concrete floor (with refrigeration piping) is to be sufficiently distributed to prevent damage (cracking, settlements or otherwise) to the existing concrete slab or the building structure. The temporary shoring shall remain in place until all permanent construction is in place and fully operational. After the glulam beam repairs have been completed, the beam is to be repositioned to its original elevation (if it has moved during construction or has sagged over the years because of the deterioration of the glulam beam ends).
7. All dimensions shall be field verified by the contractor prior to starting construction.
8. To perform the repair work, the contractor will need to install the shoring & then remove the steel framing. Wire brush clean and apply a new red oxide primer to all surface that are damaged (including surface coatings that were previously damaged).
9. All deteriorated wood in the glulam beam ends is to be routed out to sound wood, sandblasted or power wire brush cleaned and replaced by material of at least equal quality. The routed out area is to be square and neat. All new wood to be DF #1 grade or better, straight grained, free of knots and kiln dried with a moisture content not exceeding 17%. All lumber shall conform to NLGA standard grading rules for Canadian lumber.
10. The extent of the deteriorated wood is to be site determined prior to the repair work by the City of Winnipeg representative. The routed out areas are to be inspected by the City of Winnipeg representative prior to the new material being installed. The contractor to contact the City of Winnipeg representative for inspections.
11. All construction joints in the routed areas shall be approved by the City of Winnipeg.

SK-0

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