

new 2x12 (DF #1) laminations

epoxy resin adhesive between laminations

power wire brush clean top of existing glulam beam
(to be inspected prior to new repairs installed)

tape joints
during epoxy
curing

hold down
wood screws
(typ at each
lamination)

random repairs
to be determined
on site by City
of Winnipeg
representative

Procedure for Glulam Surface Repairs

1. Route out deteriorated wood (in a rectangular slot) with square ends (use a template if req'd). Bore out wood at incremental depths until all internal wood in the area of the bored slot is solid.
2. Cut new single solid wood blocking piece to fit into the new rectangular bored slot with 1/8" gap around 4 sides the inside face of the blocking.
3. Generously coat blocking with epoxy resin adhesive (Sika Sikdur 35 Hi-Mod LV). Immediately install blocking in the bored slot. Epoxy resin adhesive to be a 2 component epoxy or approved alternate to be discharged from a controlled applicator (such as a dual head caulking cartridge discharged from a caulking gun).
4. Tap blocking fully into the bored slot.
5. Apply additional epoxy resin adhesive if required
6. Tape (with self adhesive tape such as duct tape) all joint faces to prevent leakage of epoxy resin. Wipe away excess epoxy resin.
7. Install wood screws if required to temporarily secure wood blocking
8. Remove tape & the excess epoxy resin after it has sufficiently cured.

random repairs to be determined on site (extent of removal to approved City of Winnipeg representative)

- route out existing lamination to solid wood (butt ends)
- install similar sized lamination (DF #1) c/w epoxy resin adhesive

exist 2x12 (DF #1) laminations
(planed to 11" width)

SECTION 1 - NEW GLULAM BEAM REPAIRS

Scale: 2" = 1'-0"

SK-8

Glulam Beam Repairs
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