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CIR Response

CIR #02

To:

TALCO BUILDING INNOVATIONS LTD.
4728 Bank Street, Suite A
Ottawa, Ontario

Project:

Carleton Place Arena
Renovation and Addition

Date:

September 09, 2020

CIR Responses are issued only for the purpose of recording any clarification or interpretation of the contract documents or giving direction on problems resulting from field conditions. These instructions are subject to the provisions of the contract documents and unless stated herein and specifically co-authorized by the Client, will not affect the contract

REFERENCES:

CIR #02 submitted August 20, 2020

PER:

Larry Gaines

Architect



**CARLETON PLACE ARENA
ADDITION AND RENOVATIONS**
75 Neelin Street Carleton Place, Ontario

TAL-CO Building Innovations Limited
4728 Bank Street, Suite A
Gloucester, Ontario K1T 3W7
Tel: 613-821-3959
Fax: 613-821-2938

Issue date: 26-Aug-20
Revision date: N/A
Revision #: N/A

CIR #2 Detailed Summary

Questions:

1. Please see attached questions from the Structural sub-trade (2 pages)

*Please NOTE some questions (SPRINKLERS &
RTU LOCATIONS) will need to be
COORDINATED WITH SHOP DRAWINGS FROM
OTHER SUBS.*

End of CIR No. 1

L 18.0 psf

gross wind uplift = Psf

Please provide the gross (unfactored) wind uplift to be considered in the roof OWSJ's design

LL deflection @ roof = U Psf

LL deflection @ 2nd floor = U Psf

Please provide the LL deflection at 2nd floor and Roof:

If false, please provide factored load..... (Wind) or (Earthquake: Rd factor..... Included? No..... Yes.....)

True..... False.....

Please confirm that the diaphragm loads are being transferred through shear elements, therefore there is no rollover to consider in our OWSJ design.

If no, please provide the spacing.

No Yes

Please confirm that the OWSJ are equally spaced between each bay.

Please note that unless advised otherwise, Canam considers that all loads from piping (gas, glycol, water, ...) are already included in the base dead load.

Please note that unless noted otherwise, we will not consider any sprinkler type ESFR (Early Suppression Fast-Response). Otherwise, please supply the sprinkler drawings.

If yes, please supply the size and the location.

Yes

No (Canam considers that sprinkler pipes of 4" and less are included in the dead load)

Are there any sprinkler pipes bigger than 4" diameter on this project?

If no, please supply new drawings with the latest revisions.

Yes..... No.....

(CONSULTANT CO-ORDINATION, 2020.04.29)
F1, F2, S0 to S6

Make consultant to verify

List of TYP Questions

Information requested

CLICK TO ADD NEW RFI

RFI#	RYG	Status	Client RFI # Dept	Subject
001	Red	Open		Drawings
002	Red	Open		sprinklers
003	Red	Open		Piping included in DL
004	Red	Open		Spacing
005	Red	Open		Rollover
006	Red	Open		Deflection
007	Red	Open		Wind uplift

A) Are the mechanical units in their final positions and weights final as per drawings S1 ?

No Yes

Refer to steel Dwg's. Locations Approximate.

Please confirm that there are no other roof top units on this project.

True False

If false, please provide weight, location & snow drifting diagram.

B) Please provide the weight of the mechanical rooftop units @ high roof (2nd floor roof)

RTU = lbs

UNKNOWN UNTIL UNIT APPROVED

Referring to the Open web steel joist note 5 on drawing

Please confirm that the axial load can be transfer at the top chord of the OWSJ only.

True False

If false, please confirm that a "moment frame" has been captured at every bottom chord extension and confirm that the 10 kN axial load includes the additional load induced by creating a moment frame (When the top and bottom chords of the joist are restrain, the joist can not deflect which can create a moment frame effect).

True False

N/A.

Please provide the following:

DL Moment:

SL Moment:

Min/inertia:

As discussed in Article 16.5.12.2 of S16 commentary, it is not recommended to use the joists in frame action.

008

Red

Open

Mechanical Units

009

Red

Open

Axial @ BC - Regular TJ

