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REQUEST FOR INFORMATION

DATE: July 18, 2016 **NO.:** RFI-206

To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Devin Gates

Project Name: 15051-Webster University Interdisciplinary Science Building Project No.: 15051

Subject: Slab on Metal Deck Pour break lines & Sequence

Response Required By: July 25, 2016

Drawing / Spec Reference:

Information Requested:

The Level 2, 3 and 4 slab on metal deck pours will be placed in 2 sequences – Area A and Area B. The break line between these pours will be approx. 3' west of 5 line (see attached sketch). Please confirm this is acceptable and please advise of a construction joint detail for slab on metal deck at these areas.

Additionally, the slab on metal decks will be placed in Area B while Area A structural steel is erected. The pour sequence will be Area B 2nd floor, Area B 3rd floor, Area B 4th floor, Area A 2nd floor, Area A 3rd floor, Area A 4th floor. Please advise if there are any building structural issues with this sequence.

Response:

Construction joint detail shown next sheet. Proposed sequencing will reduce the lateral loads that can be transferred into frame on Grid 5 and frame on Grid D will take no loads. The design of the building is for a completed construction. An analysis of the temporary conditions due to sequencing is not performed as part of our scope. The means and methods of bracing the building during construction for the potential loads it may experience is the contractor's responsibility. Temporary loads such as reduced wind loads and the risk associated with seismic during a short term are loads that should be considered in addition to stability of the frame in general.

ARCHITECT'S RESPONSE:

This information is provided as an interpretation of the Contract Documents for implementation. It is not an authorization for change to the Contract Sum or Contract Time. If this information results in a claim for a change to the Contract, the Contractor shall notify the [Construction Manager][Architect] of a change through the change process.

Answered By: JILL WALKER / DMA Date: 8/1/2016

LEVEL 02 FLOOR FRAMING PLAN NOTES:

1. FLOOR CONSTRUCTION: 4 1/2" NORMAL WEIGHT CONCRETE SLAB REINFORCED WITH 6x6, W.2.9xW2.9 W.W.F. ON 2"x18 GA. GALVANIZED (G90 AT GREEN ROOF AND PAVER SYSTEMS) COMPOSITE METAL DECK BY VULCRAFT OR ENGINEER APPROVED EQUAL WITH THE FOLLOWING MINIMUM PROPERTIES: I = 0.558 in4/ft, Sp = 0.495 in3/ft, Fy = 50 ksi, Sn = 0.504 in3/ft. LOCATE W.W.F. 1" CLEAR FROM TOP OF CONCRETE. WELD COMPOSITE METAL DECK TO ALL INTERIOR SUPPORTING STEEL. EDGE RIBS OF PANELS AT EACH SUPPORT AND ALONG ALL SUPPORTING PERIMETER EDGE AND SLAB EDGE STEEL WITH 5/8" DIAMETER PUDDLE WELDS @ 12"o.c. MAXIMUM. PROVIDE #10 TEK SCREW SIDE LAP CONNECTIONS AT 36"o.c. MAXIMUM BETWEEN SUPPORTS. (TOTAL SLAB THICKNESS = 6 1/2").

2. FOR GENERAL NOTES AND TYPICAL DETAILS, SEE SHEETS S0001 THRU S0003.

3. FOR COLUMN SCHEDULE, SEE SHEETS S0500 THRU S0502.

4. COORDINATE ALL FLOOR OPENINGS WITH MECHANICAL DRAWINGS.

5. FINISHED FLOOR ELEVATION = 100'-0", U.N.O.

6. TOP OF STRUCTURAL STEEL ELEVATION = 99'-5 1/2", U.N.O.

7. TOP OF STRUCTURAL STEEL ELEVATION = BOTTOM OF METAL DECK ELEVATION, UNLESS NOTED THUS (-XX") ON PLAN REFERENCED FROM BOTTOM OF METAL DECK ELEVATION.

8. FOR COMPOSITE BEAM NOTES AND TYPICAL COMPOSITE BEAM DETAILS , SEE SHEETS S0002 THRU S0003.

DESIGN FLOOR LOADS:

FLOOR DEAD LOAD:

4 1/2" NORMAL WEIGHT CONCRETE SLAB ON COMPOSITE DECK (6 1/2" TOTAL THICKNESS)	67 PSF
2" COMPOSITE METAL DECK	2 PSF
CONCRETE OVERRUN ALLOWANCE	5 PSF
MISCELLANEOUS FRAMING	5 PSF
MECHANICAL/ELECTRICAL/PLUMBING/FP ALLOWANCE	8 PSF
CEILING SYSTEM ALLOWANCE	2 PSF
TOTAL DEAD LOAD	89 PSF + STEEL FRAMING WT.

* DEAD LOAD IS INCREASED BY 32 PSF IN AREA AT ENTRIES WHERE CONCRETE PAVERS OCCUR.

LIVE LOAD:

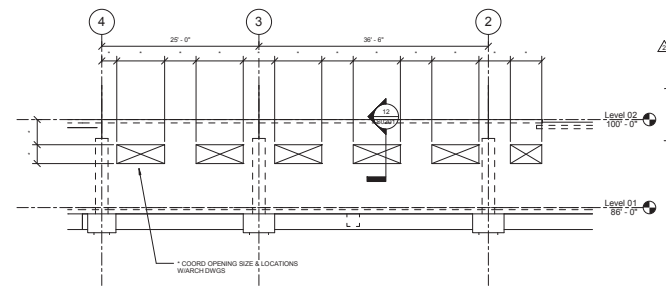
TYPICAL FLOOR	100 PSF
CORRIDOR AT ENTRY LEVELS	80 PSF
STORAGE @ SOUTHEAST CORNER	125 PSF

GREEN ROOF DEAD LOAD:

GREEN ROOF SYSTEM	82 PSF
4 1/2" NORMAL WEIGHT CONCRETE SLAB ON COMPOSITE DECK (6 1/2" TOTAL THICKNESS)	67 PSF
2" COMPOSITE METAL DECK	2 PSF
CONCRETE OVERRUN ALLOWANCE	5 PSF
MISCELLANEOUS FRAMING	3 PSF
MECHANICAL/ELECTRICAL/PLUMBING/FP ALLOWANCE	8 PSF
CEILING SYSTEM ALLOWANCE	2 PSF
TOTAL DEAD LOAD	169 PSF + STEEL FRAMING WT.

GREEN ROOF LIVE LOAD:

ASSEMBLY	100 PSF



2 PARTIAL FOUNDATION ELEVATION ALONG GRID C.3
1/8" = 1'-0"

Webster University
Interdisciplinary Science Building

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	CONFORMED SET	01 JUL 2016
3	ADDENDUM 1-11	13 MAY 2016
2	ADDENDUM 1-7	16 MAR 2016
1	ADDENDUM 1-1	29 JAN 2016
-	ISSUED FOR CONSTRUCTION (BP1)	15 JAN 2016
No.	Description	Date

Drawing Title:

LEVEL 02 FLOOR FRAMING PLAN

Project No.: 04561.01 Checked by:

S0103

5/12/2016 4:51:58 PM