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REQUEST FOR INFORMATION	DATE: May 27, 2016	NO.: RFI-125
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To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Devin Gates

Project Name: 15051-Webster University Interdisciplinary Science Building	Project No.: 15051
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Subject: Steel detailing clarifications

Response Required By: June 03, 2016

Drawing / Spec Reference:

Information Requested:

- 1) On Level 03 (S0104) at C.3-2.6: a detail (similar to 21/S0503) to be used where the upper column is rotated 90 degrees from that shown in 21/S0503.
 - a. Please include base plate, welding and bolting information

- 2) On S0104 along line 1 (and similar if occurs); please advise details to be used for the HSS posts at 1-A.2, 1-A.5 and 1-B.3.
 - a. We see only details 9 & 10/S0304, for the HSS6x6x5/8 posts.

- 3) On S0104 at 1.6-C and 1.6-A.2, where the W36's interrupt the columns; Please advise the cap plate, base plate, welds and bolting details to be used.

Response:

- 1) SEE RFI 108
- 2) SEE RFI 108
- 3) SEE ATTACHED LOADING INFORMATION

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: 6/9/2016

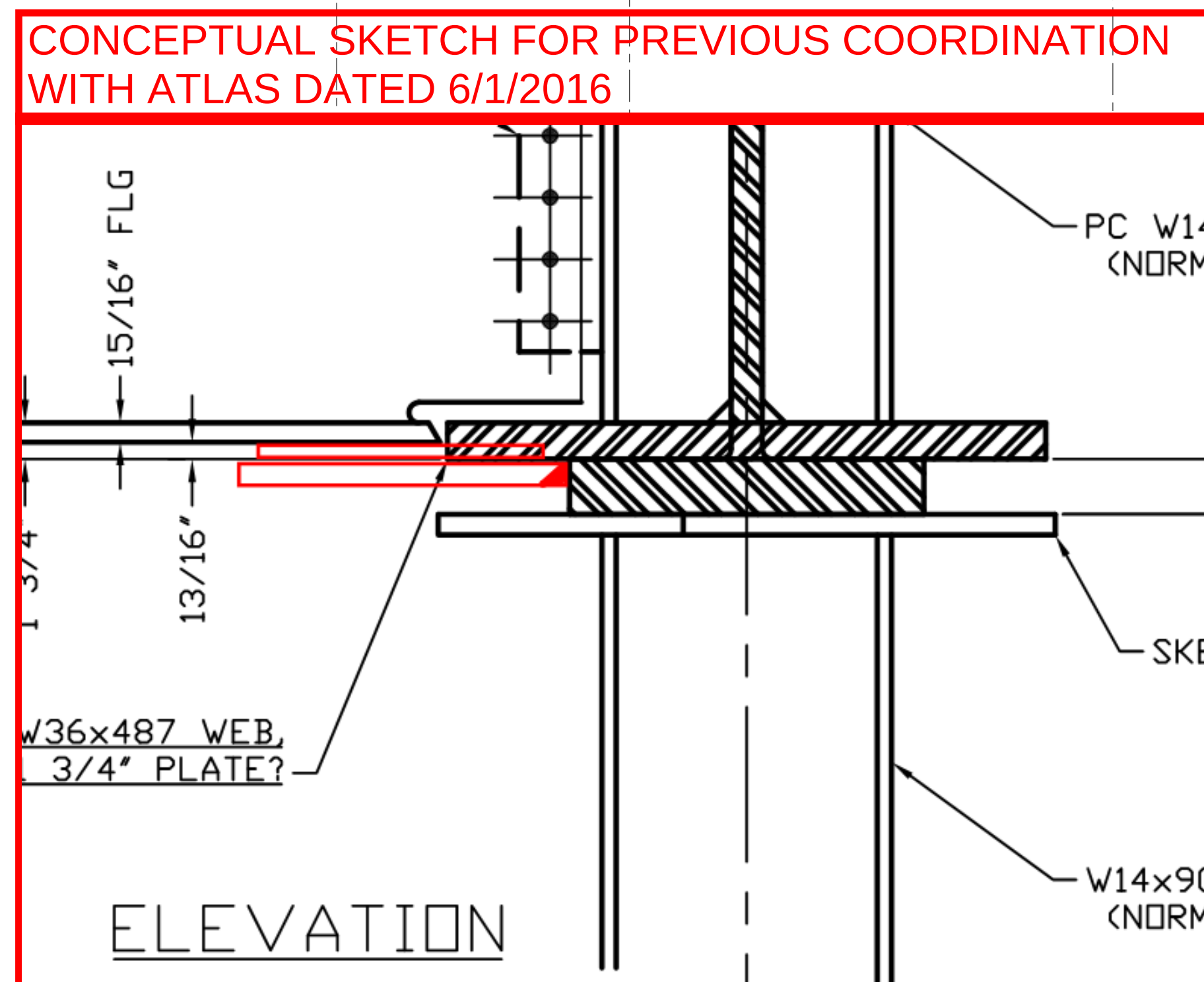


PARIC
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Cc: Kathy Bathe, Paric Corporation

Answered By: _____

Date: _____



**COLUMN TOTAL AXIAL LOADS
ABOVE AND BELOW THE W36
CONNECTIONS AT LEVEL 3
JYW/DMA 6/1/2016**

**COL SERVICE LOAD
ABOVE = 0k
BELOW = 430k**

**COL SERVICE LOAD
ABOVE = 162k
BELOW = 400k**

**COL SERVICE LOAD
ABOVE = 125k
BELOW = 415k**

**COL SERVICE LOAD
ABOVE = 130k
BELOW = 535k**

**L44x5/16 KNEE BRACE FROM
BOT OF W36 FLG TO BOT OF
INTERSECTING BEAM - TYP
8 PLACES THIS**

LEVEL 03 FLOOR FRAMING PLAN
1/8" = 1'-0"

- LEVEL 03 FLOOR FRAMING PLAN NOTES:**
- FLOOR CONSTRUCTION: 4 1/2" NORMAL WEIGHT CONCRETE SLAB REINFORCED WITH 6x6, W2x8/W2x9 W.W.F. ON 2'x16 GA. GALVANIZED COMPOSITE METAL DECK BY VULCRAFT OR ENGINEER APPROVED EQUAL WITH THE FOLLOWING MINIMUM PROPERTIES: $f_y = 50 \text{ ksi}$, $f_u = 65 \text{ ksi}$, $E = 29,000 \text{ ksi}$, $S_x = 0.495 \text{ in}^3$, $I_x = 0.504 \text{ in}^4$. 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").
 - FOR GENERAL NOTES AND TYPICAL DETAILS, SEE SHEETS S0001 THRU S0003.
 - FOR COLUMN SCHEDULE, SEE SHEETS S0500 THRU S0502.
 - COORDINATE ALL FLOOR OPENINGS WITH MECHANICAL DRAWINGS.
 - FINISHED FLOOR ELEVATION = 115'-4", U.N.O.
 - TOP OF STRUCTURAL STEEL ELEVATION = 114'-9 1/2", U.N.O.
 - TOP OF STRUCTURAL STEEL ELEVATION = BOTTOM OF METAL DECK ELEVATION, UNLESS NOTED THIS (XX") ON PLAN REFERENCED FROM BOTTOM OF METAL DECK ELEVATION.
 - 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)
2" COMPOSITE METAL DECK
CONCRETE OVERRUN ALLOWANCE
MISCELLANEOUS FRAMING
MECHANICAL/ELECTRICAL/PLUMBING/FP ALLOWANCE
CEILING SYSTEM ALLOWANCE
TOTAL DEAD LOAD

LIVE LOAD:
TYPICAL FLOOR
CORRIDOR AT ENTRY LEVELS
STORAGE @ SOUTHEAST CORNER

LIVE LOAD WEST OF GRID 2 (CANTILEVER):
TYPICAL FLOOR
PARTITIONS
TOTAL LIVE LOAD

67 PSF
2 PSF
5 PSF
5 PSF
8 PSF
2 PSF
89 PSF + STEEL FRAMING WT.

100 PSF
80 PSF
125 PSF

65 PSF
15 PSF
80 PSF

Drawing Title:

**LEVEL 03 FLOOR
FRAMING PLAN**

Project No.: 04561.01 Checked by:

S0104