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REQUEST FOR INFORMATION	DATE: April 20, 2016	NO.: RFI-045
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To: Cannon Design

Attn: Kelvin Patel

From: Paric Corporation

Requested By: Devin Gates

Project Name: Webster University Interdisciplinary Science Building

Project No.: 15051

Subject: Steel detailing questions

Response Required By: April 27, 2016

Drawing / Spec Reference:

Information Requested:

See attached documents

1. Please advise the dimensions between grid 7.3 and grid 8. See marked S0101.
2. Please clarify the elevation on top of pilaster @ B.3-6. See marked S0101 and S0501.
3. Please advise the connection. See marked S0102.
4. Please provide the dimension. See marked S0103.
5. Please provide the dimension. See marked S0103.
6. Please clarify the elevation. See marked S0103.
7. Please provide the dimension. See marked S0106.
8. Please provide the dimension. See marked S0107.
9. Please clarify the tube size. See marked S0107, S0304, and S0500.
10. Please clarify the detail. See marked S0106 and S0303.

Suggestion: Please advise.

Response:

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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: _____

Date: _____

LEVEL 01 FRAMING PLAN NOTES:
1. FLOOR CONSTRUCTION: 4 1/2" NORMAL WEIGHT CONCRETE SLAB REINFORCED WITH 6#6, W2.9W2.9 W.W.F. ON 2'x18 GA. GALVANIZED COMPOSITE METAL DECK BY VULCRAFT OR ENGINEER APPROVED EQUAL WITH THE FOLLOWING MINIMUM PROPERTIES: $f_y = 0.558 \text{ ksi}$, $S_x = 0.495 \text{ in}^3$, $F_y = 60 \text{ ksi}$, $S_y = 0.594 \text{ in}^3$. 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 = 86'-0".
6. TOP OF STRUCTURAL STEEL ELEVATION = 85'-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:

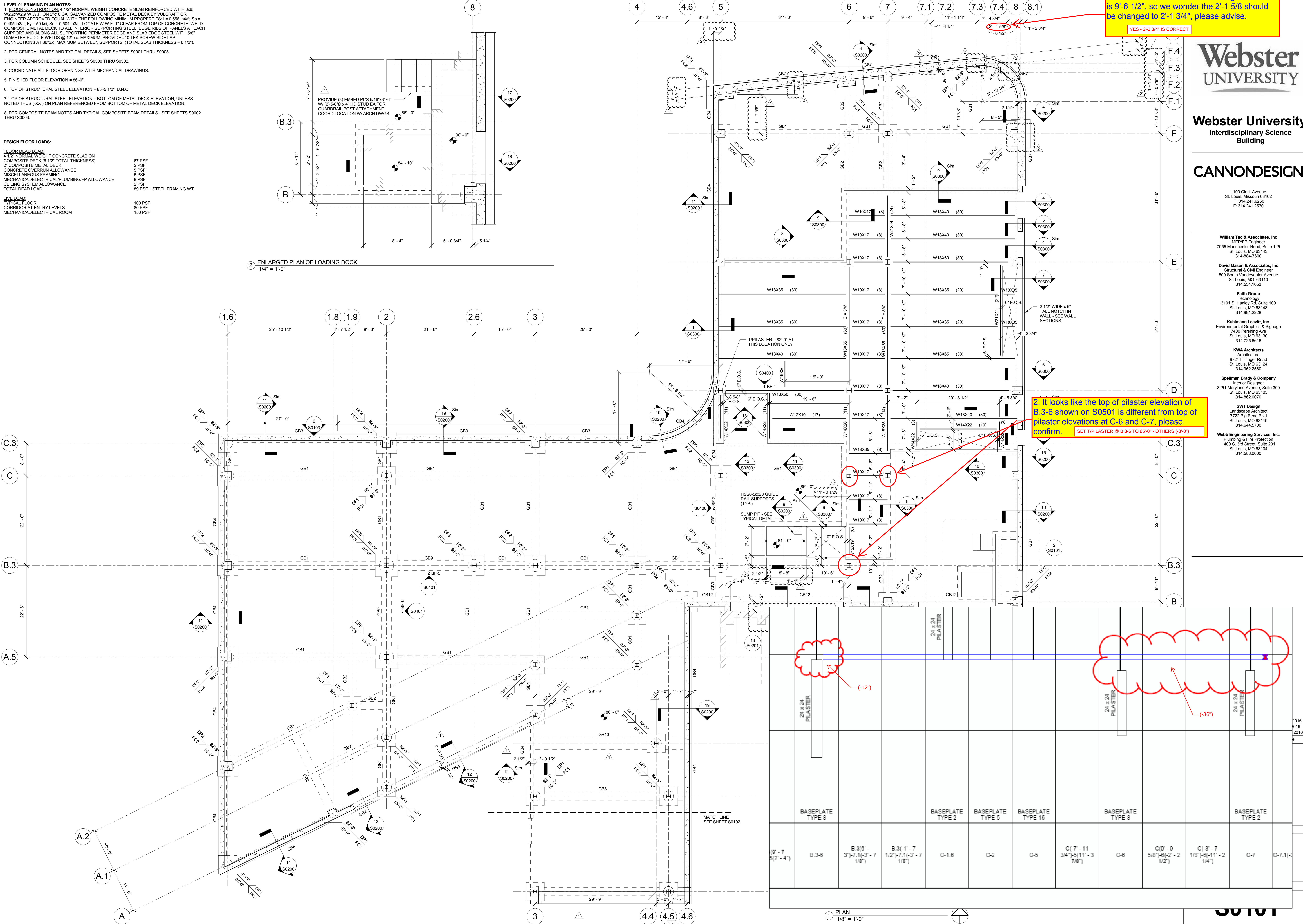
FLOOR DEAD LOAD:
4 1/2" NORMAL WEIGHT CONCRETE SLAB ON COMPOSITE DECK (6 1/2" TOTAL THICKNESS)
2" COMPOSITE METAL DECK
CONCRETE OVERRUN ALLOWANCE
MISCELLANEOUS FRAMING
MECHANICAL/ELECTRICAL/PLUMBING/FP ALLOWANCE
CEILING SYSTEM ALLOWANCE
TOTAL DEAD LOAD

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

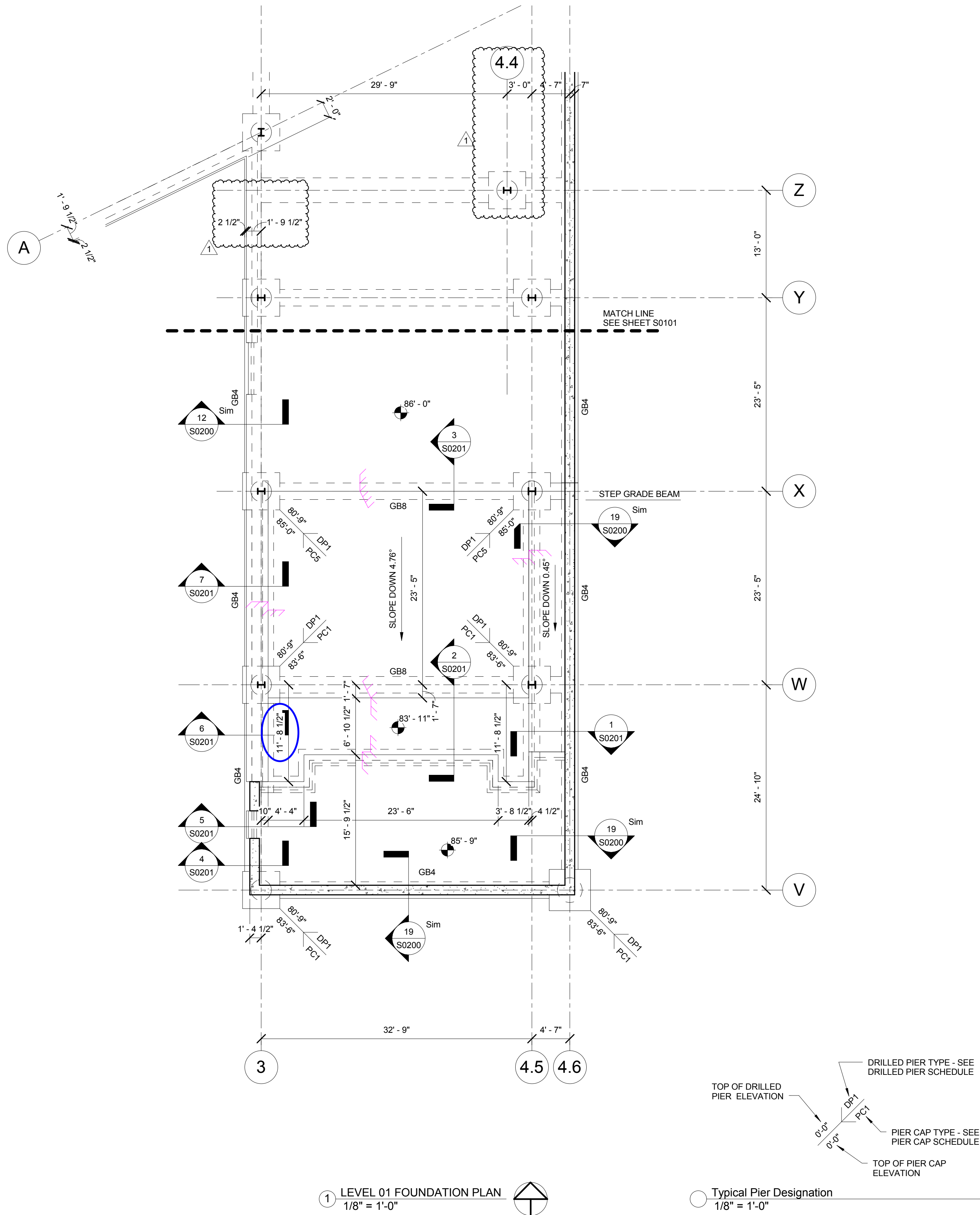
LIVE LOAD:
TYPICAL FLOOR
CORRIDOR AT ENTRY LEVELS
MECHANICAL/ELECTRICAL ROOM

100 PSF
80 PSF
150 PSF

2 ENLARGED PLAN OF LOADING DOCK
1/4" = 1'-0"

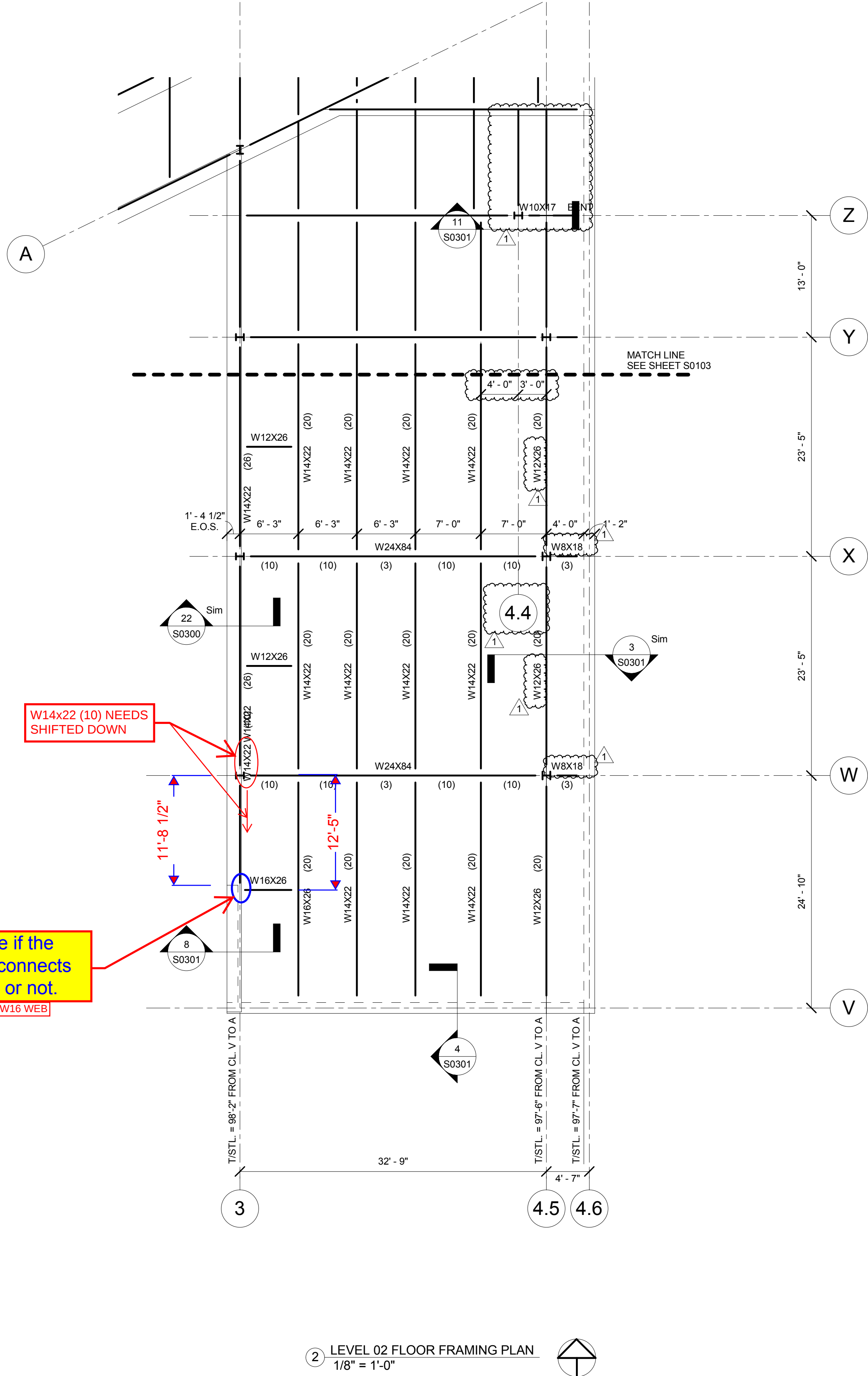


- LEVEL 01 FOUNDATION PLAN NOTES:**
1. SLAB-ON-GRADE CONSTRUCTION: 4" SLAB-ON-GRADE w/6x6 W2.9xW2.9 W.W.F. OVER 2" COMPACTED GRANULAR FILL (1/2" MINUS) AND 4" COMPACTED GRANULAR FILL (6" TOTAL GRANULAR FILL) OVER 15 MIL VAPOR RETARDER, SEE TYPICAL DETAIL ON SHEET S0002.
 2. FOR GENERAL NOTES AND TYPICAL DETAILS, SEE SHEETS S0001 THRU S0003.
 3. FINISHED FLOOR ELEVATION = 86'-0", U.N.O..
 4. JOINT FILLER SHALL BE PLACED IN CLEAN JOINTS, OVERFILLED AND SHAVED FLUSH.
 5. ALL FOOTINGS TO BE CENTERED UNDER WALLS AND/OR COLUMNS, UNLESS NOTED OTHERWISE.
 6. PROVIDE CONTROL JOINT (C.J.) IN SLAB-ON-GRADE AT 15'-0"o.c. (MAXIMUM) IN EACH DIRECTION.
 7. TOP OF INTERIOR COLUMN FOOTINGS = 85'-0", U.N.O..



- LEVEL 02 FLOOR FRAMING PLAN NOTES:**
1. FLOOR CONSTRUCTION: 4 1/2" NORMAL WEIGHT CONCRETE SLAB REINFORCED WITH 6x6, W2.9xW2.9 W.W.F. ON 2"x18 GA. GALVANIZED (G90 AT GREEN ROOF AND PAVEMENT SYSTEMS) COMPOSITE METAL DECK BY VULCRAFT OR ENGINEER APPROVED EQUAL WITH THE FOLLOWING MINIMUM PROPERTIES: 1" x 0.558 in. H.F., Sp = 0.486 in./ft., fy = 50 ksi, Sn = 0.504 in./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
SEE SHEET S0103 FOR DESIGN LOADS.



1	ADDENDUM 1-1	29 JAN 2016
1	ISSUED FOR CONSTRUCTION (BP1)	15 JAN 2016
No.	Description	Date

Drawing Title:

**LEVEL 01 FOUNDATION
PLAN AND LEVEL 02
FLOOR FRAMING PLAN**

Project No.: 04561.01 Checked by:

S0102

LEVEL 02 FLOOR FRAMING PLAN NOTES:

- FLOOR CONSTRUCTION: 4 1/2" NORMAL WEIGHT CONCRETE SLAB REINFORCED WITH 6#6, W2.9W2.9 W.W.F. ON 2'x18 GA. GALVANIZED (S90 AT GREEN ROOF AND PAVER SYSTEMS) COMPOSITE METAL DECK BY VULCRAFT OR ENGINEER APPROVED EQUAL WITH THE FOLLOWING MINIMUM PROPERTIES: $f_y = 0.55 f_{yHSL}$, $f_c = 0.45 f_{cHSL}$, $f_y = 50$ ksi, $S_x = 0.054$ IN²/IN² LOCATE W.W.F. 1" CLEAR FROM TOP OF CONCRETE. WELD COMPOSITE METAL DECK TO ALL INTERIOR SUPPORTING STEEL. EDGE RISERS OF PANELS AT EACH SUPPORT AND ALONG ALL SUPPORTING PERIMETER EDGE AND SLAB EDGE STEEL WITH 3/8" DIAMETER PLUG 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 = 100'-0", U.N.O.
- TOP OF STRUCTURAL STEEL ELEVATION = 99'-5 1/2", U.N.O.
- TOP OF STRUCTURAL STEEL ELEVATION = BOTTOM OF METAL DECK ELEVATION, UNLESS NOTED THUS (-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:

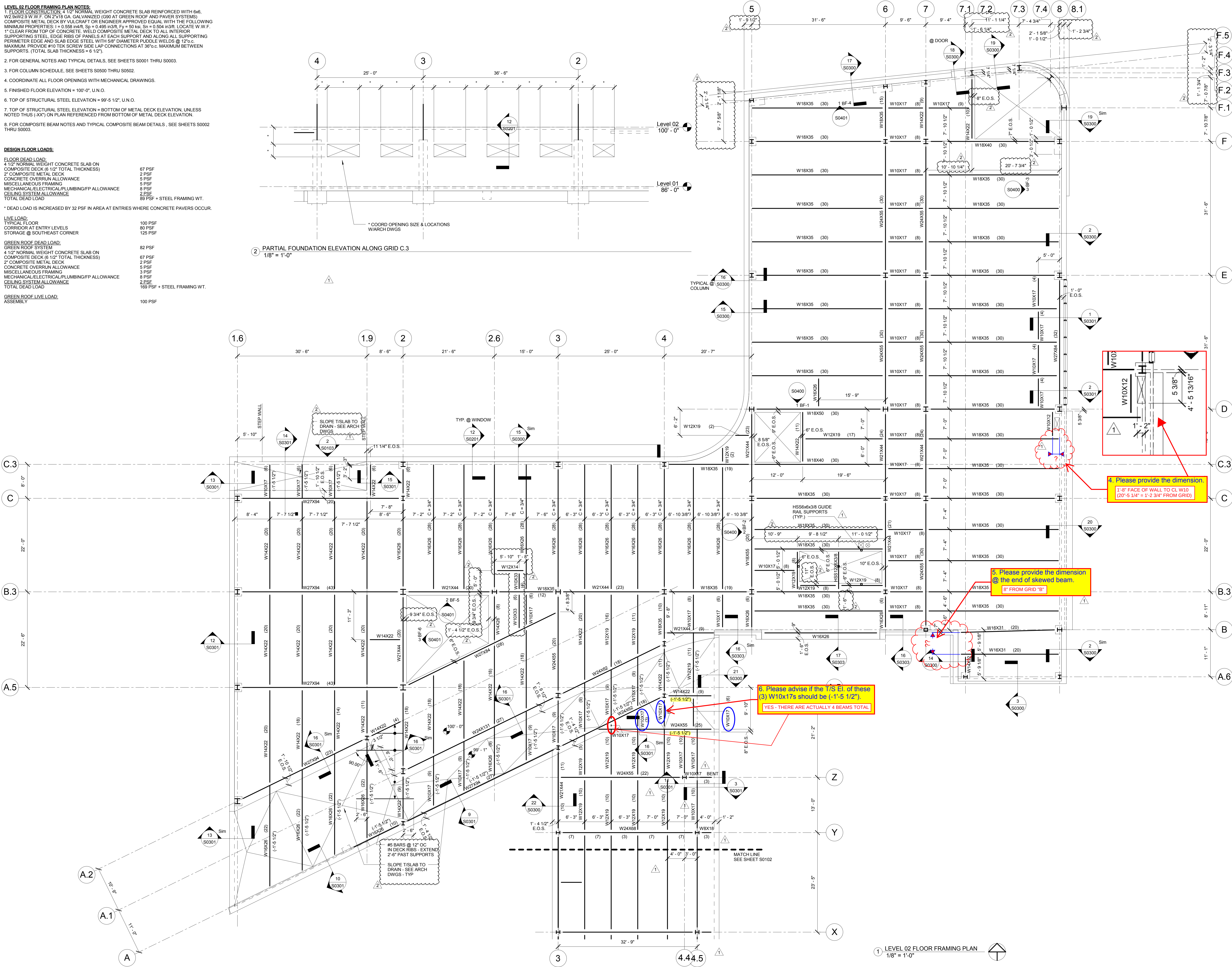
FLOOR DEAD LOAD:
4 1/2" NORMAL WEIGHT CONCRETE SLAB ON
COMPOSITE DECK (6 1/2" TOTAL THICKNESS)
2" COMPOSITE METAL DECK
CONCRETE OVERRUN ALLOWANCE
MISCELLANEOUS FRAMING
MECHANICAL/ELECTRICAL/PLUMBING/FP ALLOWANCE
CEILING SYSTEM ALLOWANCE
TOTAL DEAD LOAD
89 PSF + STEEL FRAMING WT.

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

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

GREEN ROOF DEAD LOAD:
GREEN ROOF SYSTEM
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
169 PSF + STEEL FRAMING WT.

GREEN ROOF LIVE LOAD:
ASSEMBLY
100 PSF



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Webb Engineering Services, Inc.
Planning & Fire Protection
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St. Louis, MO 63104
314.558.0600

2	ADDENDUM 1-7	16 MAR 2016
1	ADDENDUM 1-1	29 JAN 2016
1	ISSUED FOR CONSTRUCTION (BP1)	15 JAN 2016
No.	Description	Date

Drawing Title:

LEVEL 02 FLOOR
FRAMING PLAN

Project No.: 04561.01 Checked by:

S0103

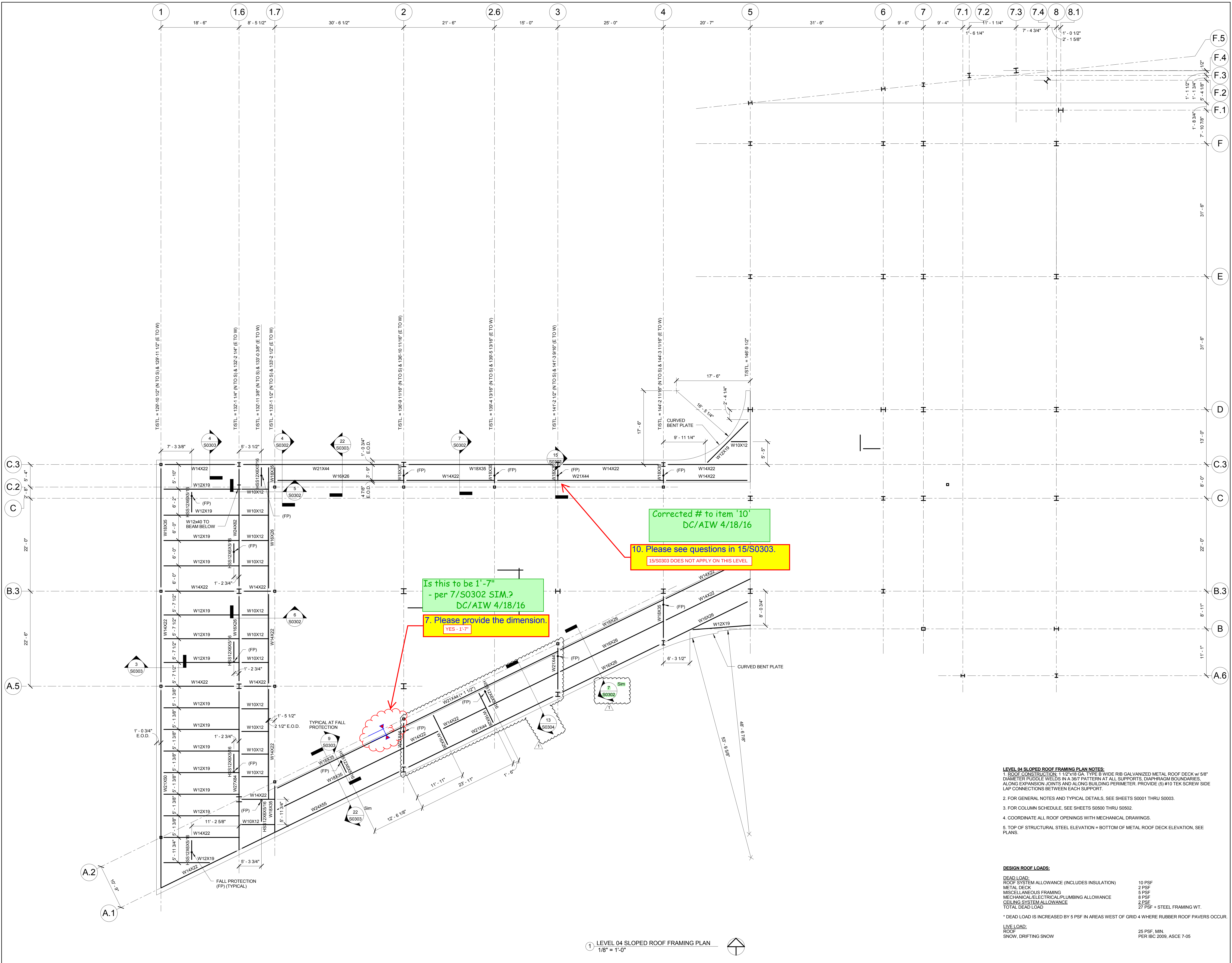
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ISSUED FOR CONSTRUCTION (BP1)	15 JAN 2016
No.	Description Date

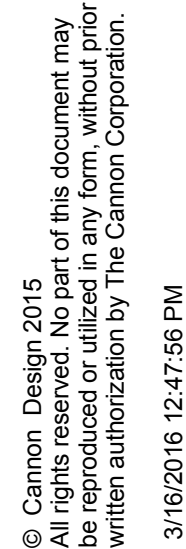
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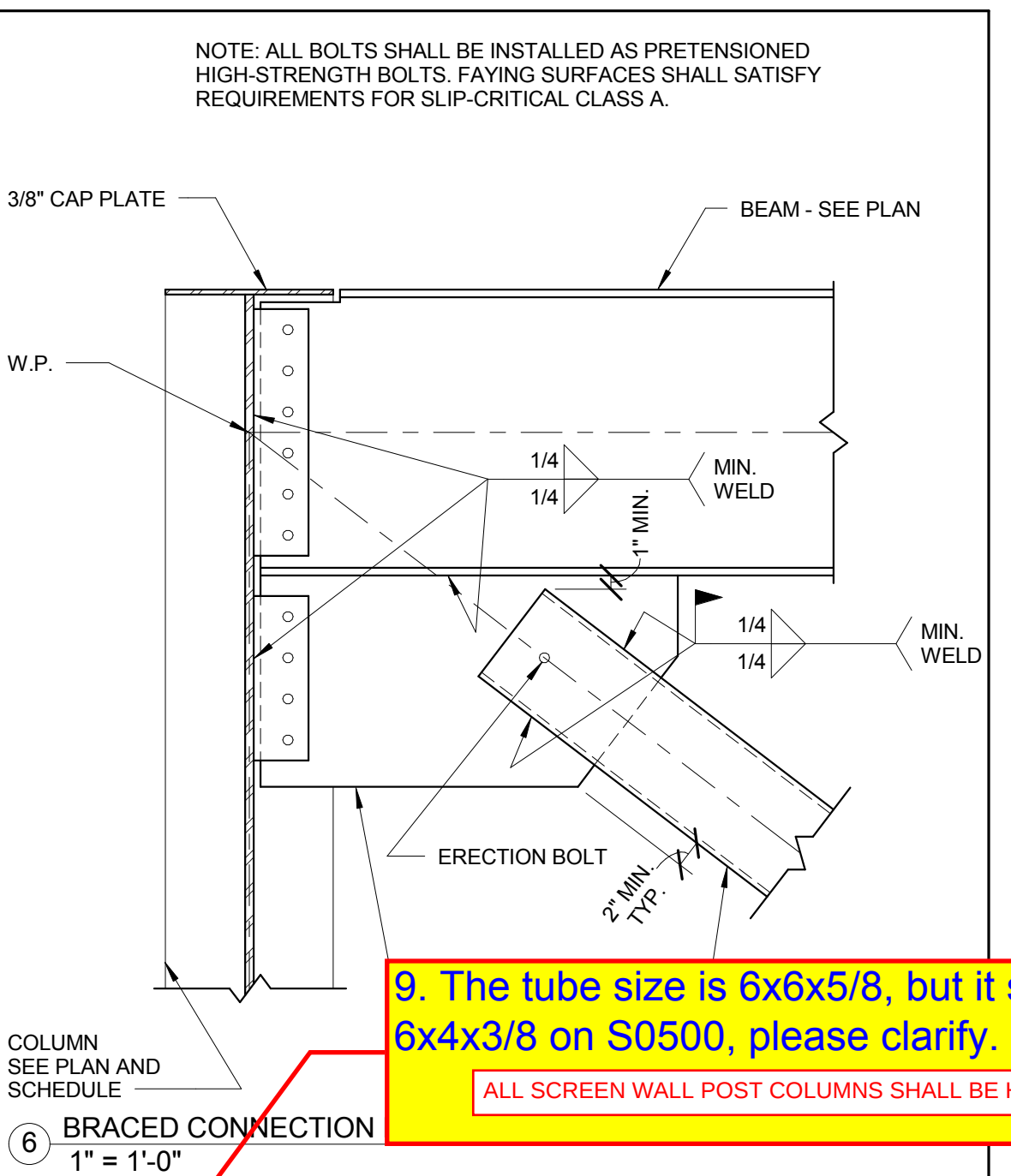
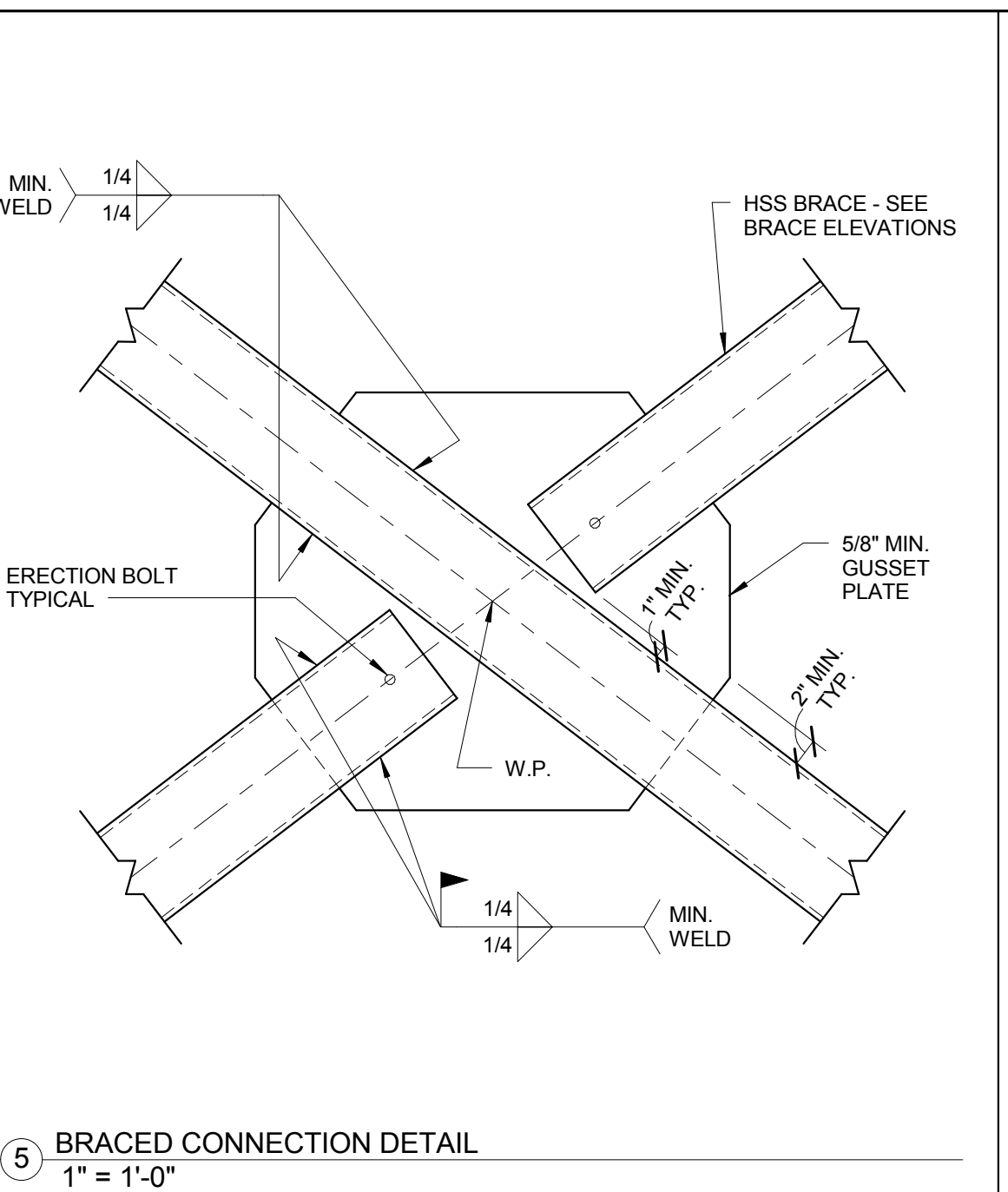
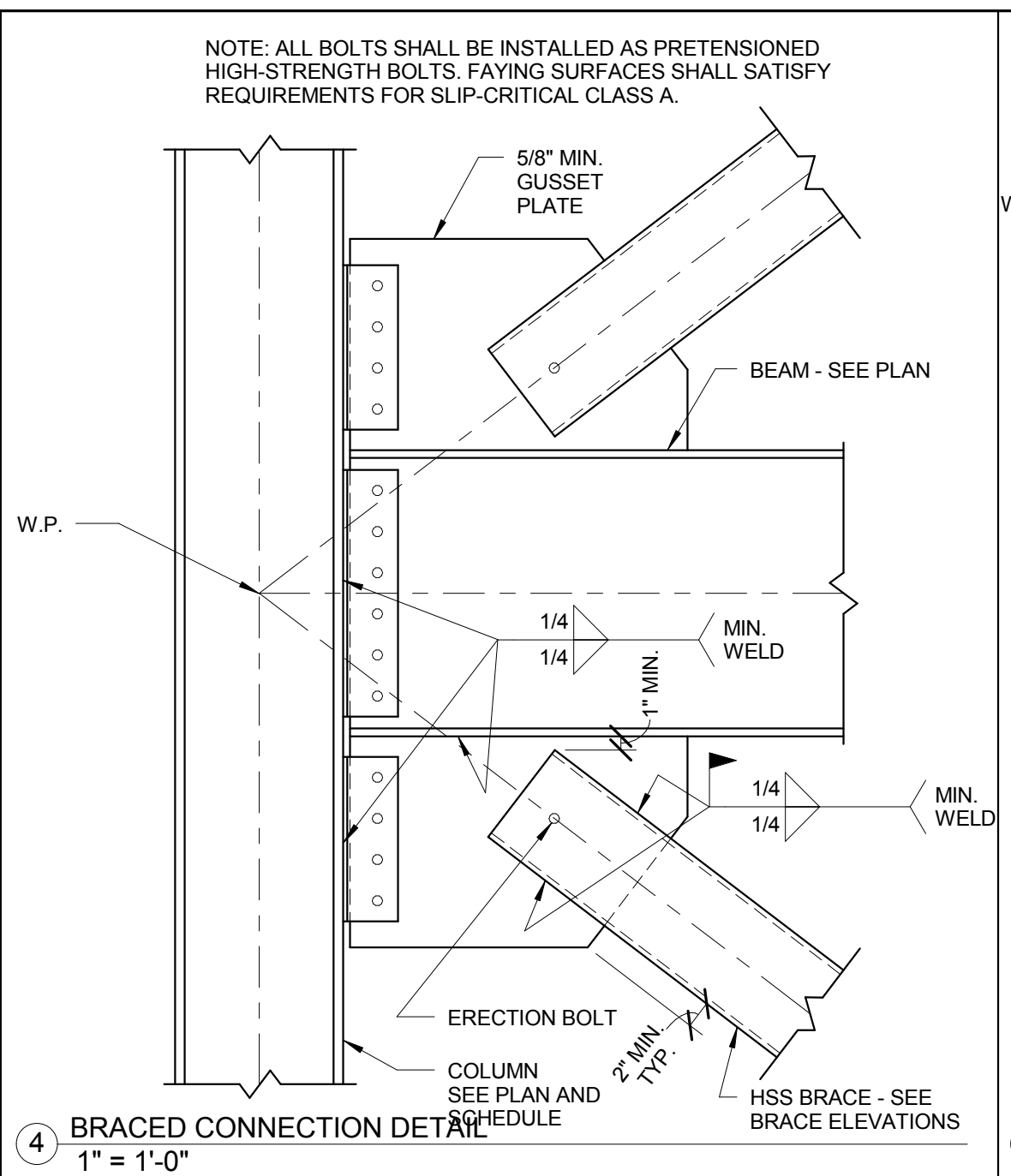
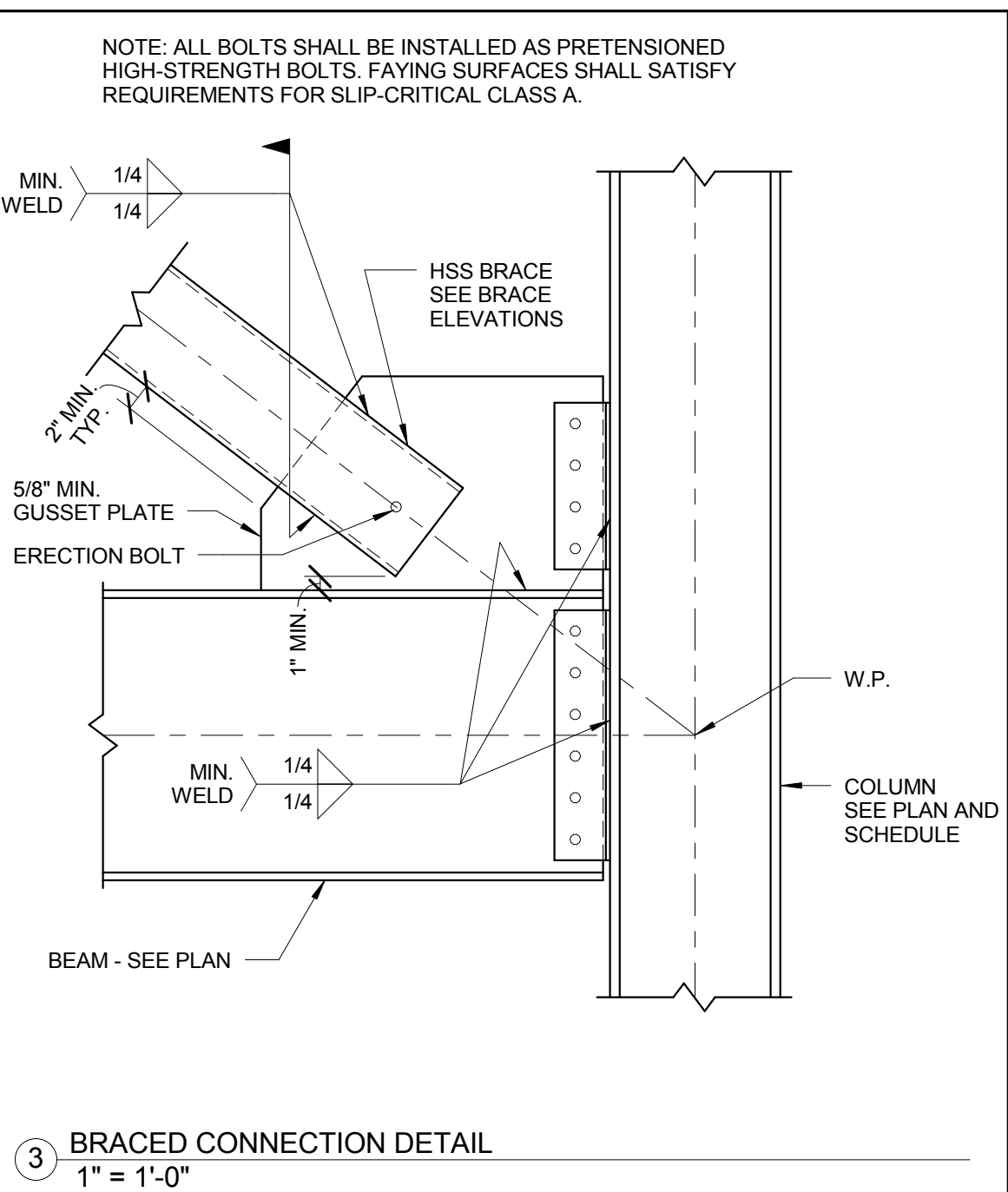
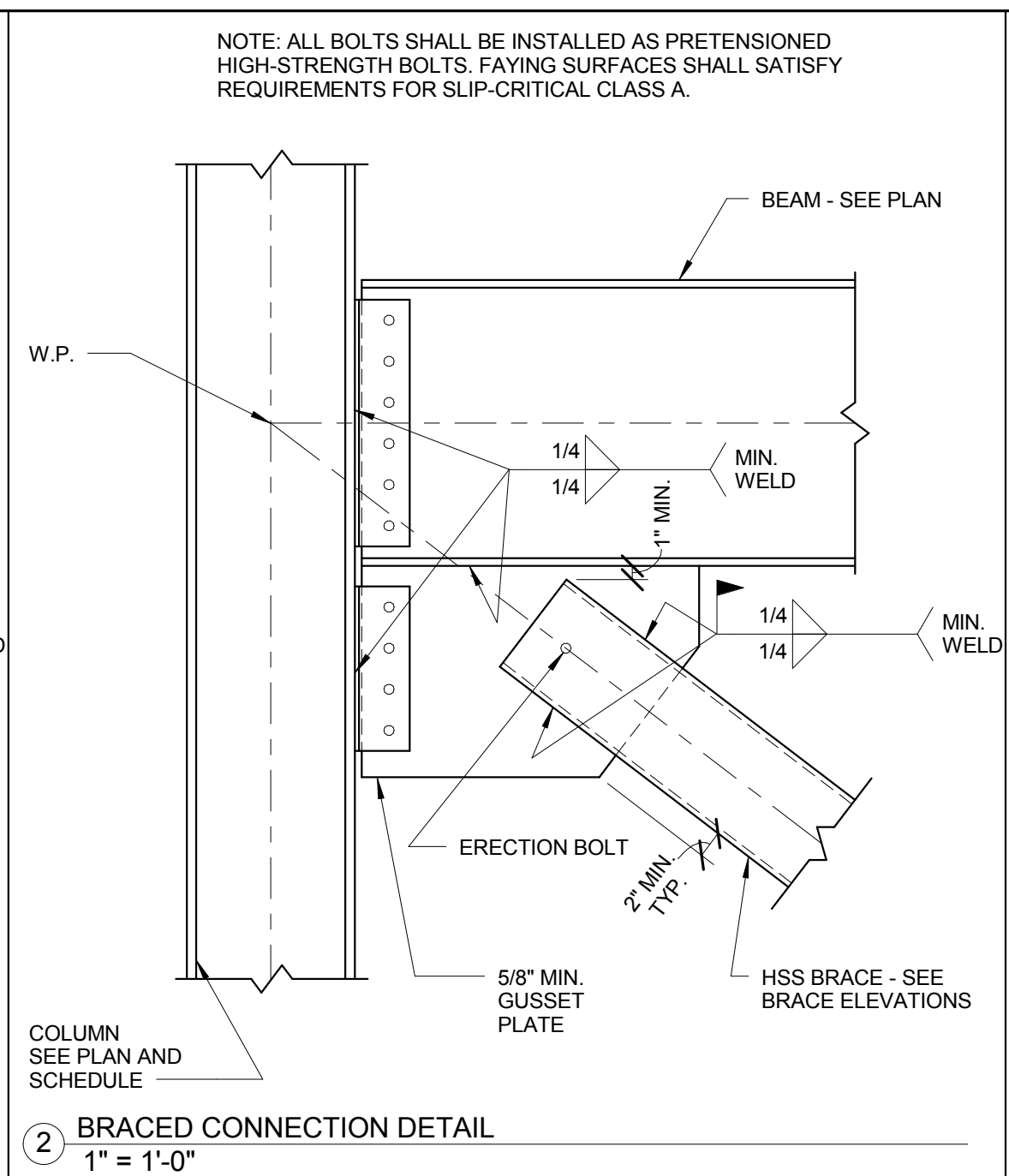
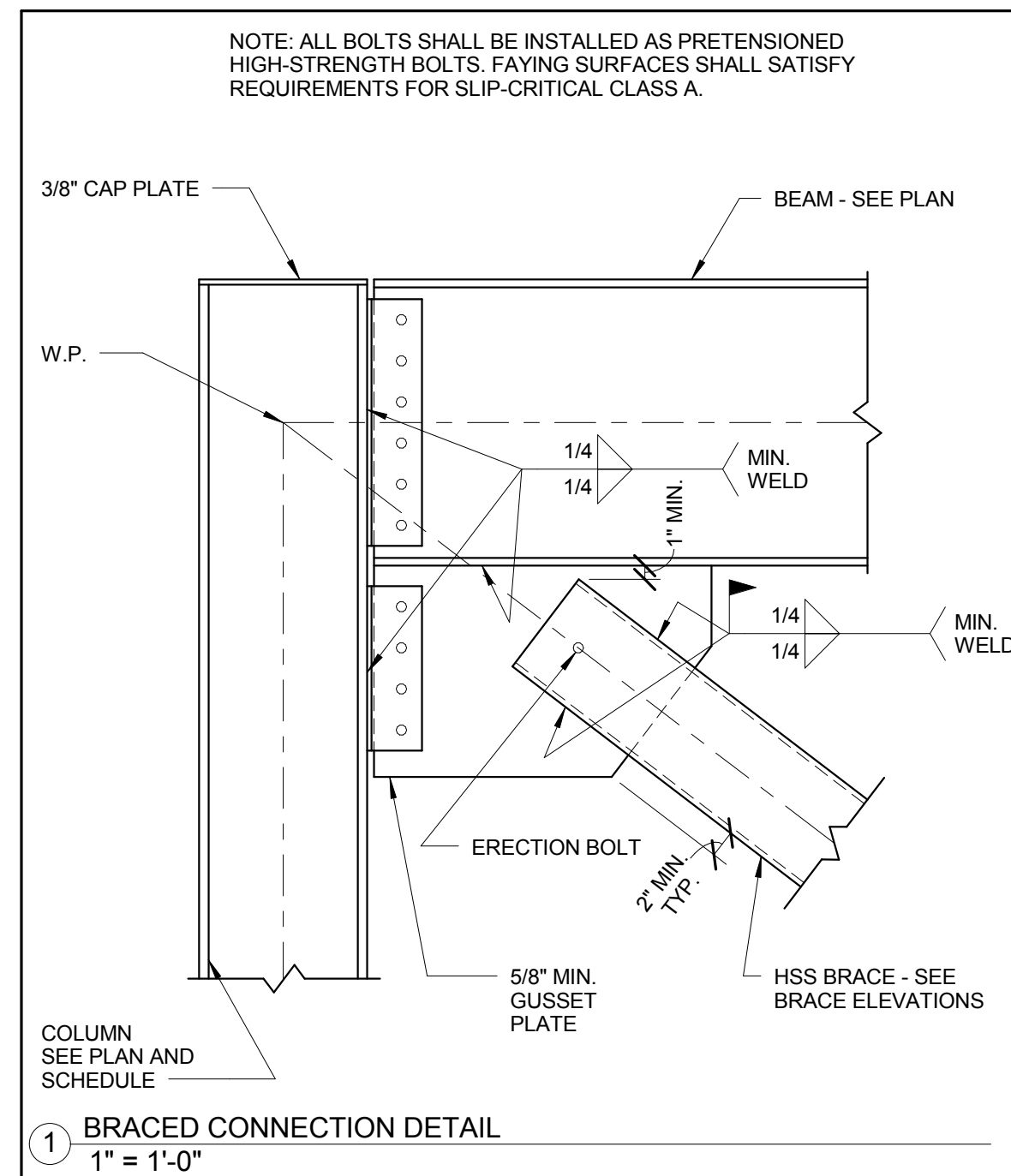
LEVEL 04 SLOPED ROOF
FRAMING PLAN

Project No.: 04561.01 Checked by:

S0106







9. The tube size is 6x6x5/8, but it shown
6x4x3/8 on S0500, please clarify.

ALL SCREEN WALL POST COLUMNS SHALL BE HSS6X6X5/8"

