

**ADDENDUM 2**

**TO:** Prospective Bidders

**DATE:** September 16, 2019

**FROM:** Gabriel Hinojosa, PE, LEED AP  
Sigma HN Engineers, PLLC  
701 S 15th St  
McAllen, TX 78501

**PROJECT:** Brownsville ISD  
Rivera Early College High School  
HVAC and Lighting Improvements

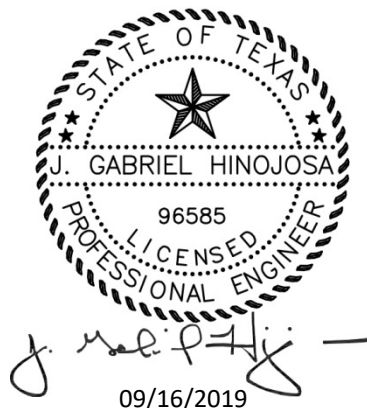
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This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated August 30, 2019 with amendments and additions noted below. The following is a list of changes made to the plans and specifications. The changes are outlined by item number, as well as plan sheet number where applicable.

1. Sheet MEP-0.0 & MEP-1.0
  - Revised cover sheet to add structural Engineering Firm Information.
  - Revised Table of Content to add Structural Sheets.
2. Existing roof steel joists supporting RTAC-19, RTAC-20 and RTAC-H5 will be reinforced. Refer to Structural engineering drawings and details.

Attachments:

Sheets and Specification sections mentioned above.





## 3

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6

1

OWNER

MEP

## STRUCTURAL

9



11



**SIGMA** **HN**  
ENGINEERS, PLLC

TBPE Firm No. F-14767  
701 S. 15<sup>th</sup> Street  
McAllen, Texas 78501

**BROWNSVILLE ISD  
RIVERA EARLY COLLEGE HIGH SCHOOL  
HVAC & LIGHTING IMPROVEMENTS**  
BROWNSVILLE, TX

PROJECT NO.: 19016
ISSUED: 09/13/2019
REVISIONS:

NO.	DATE	DESCRIPTION
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DRAWN BY:

CHECKED BY:

MEP

COVER SHEET

M45D 0.0

MEP-0.0

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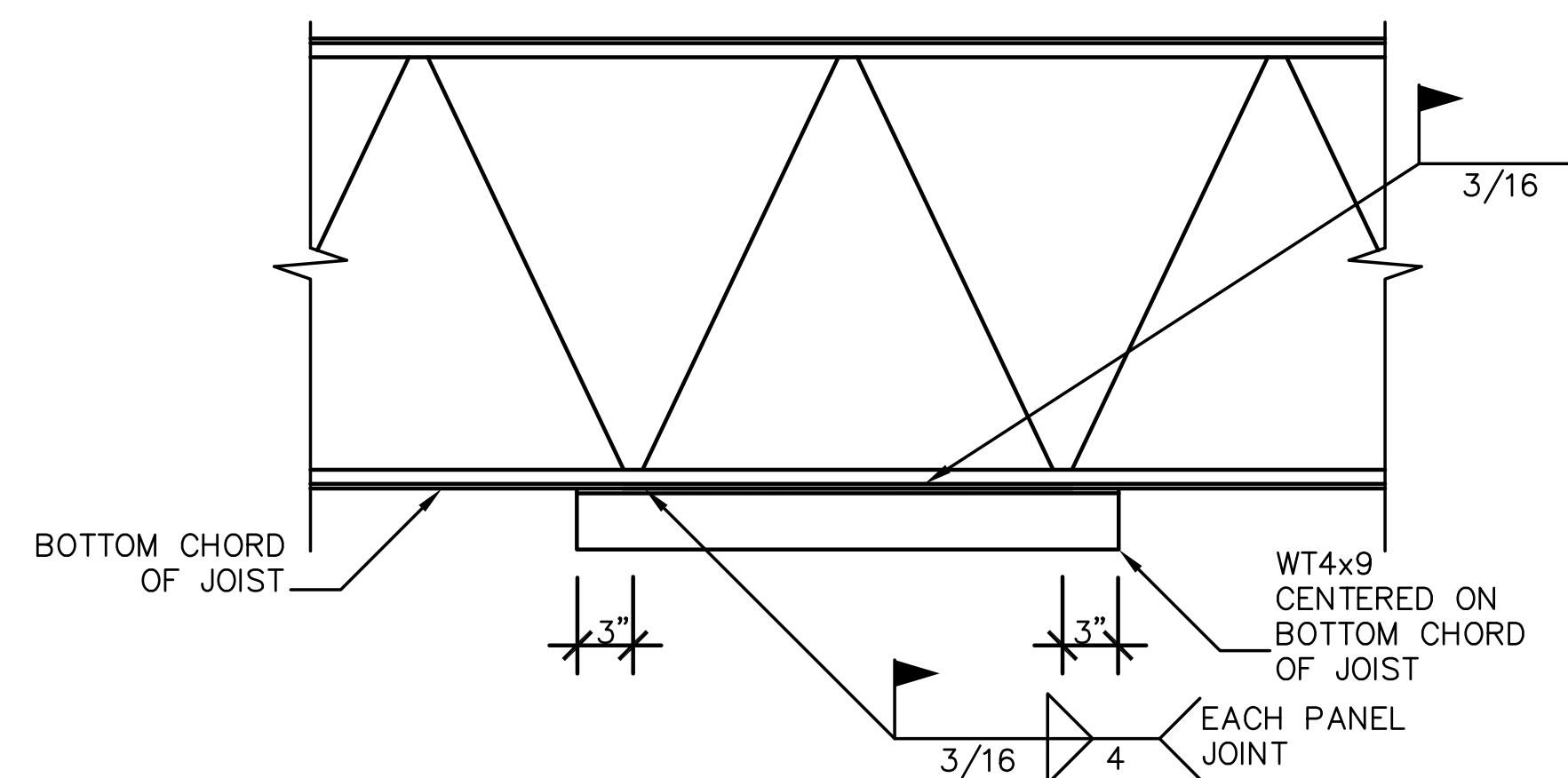
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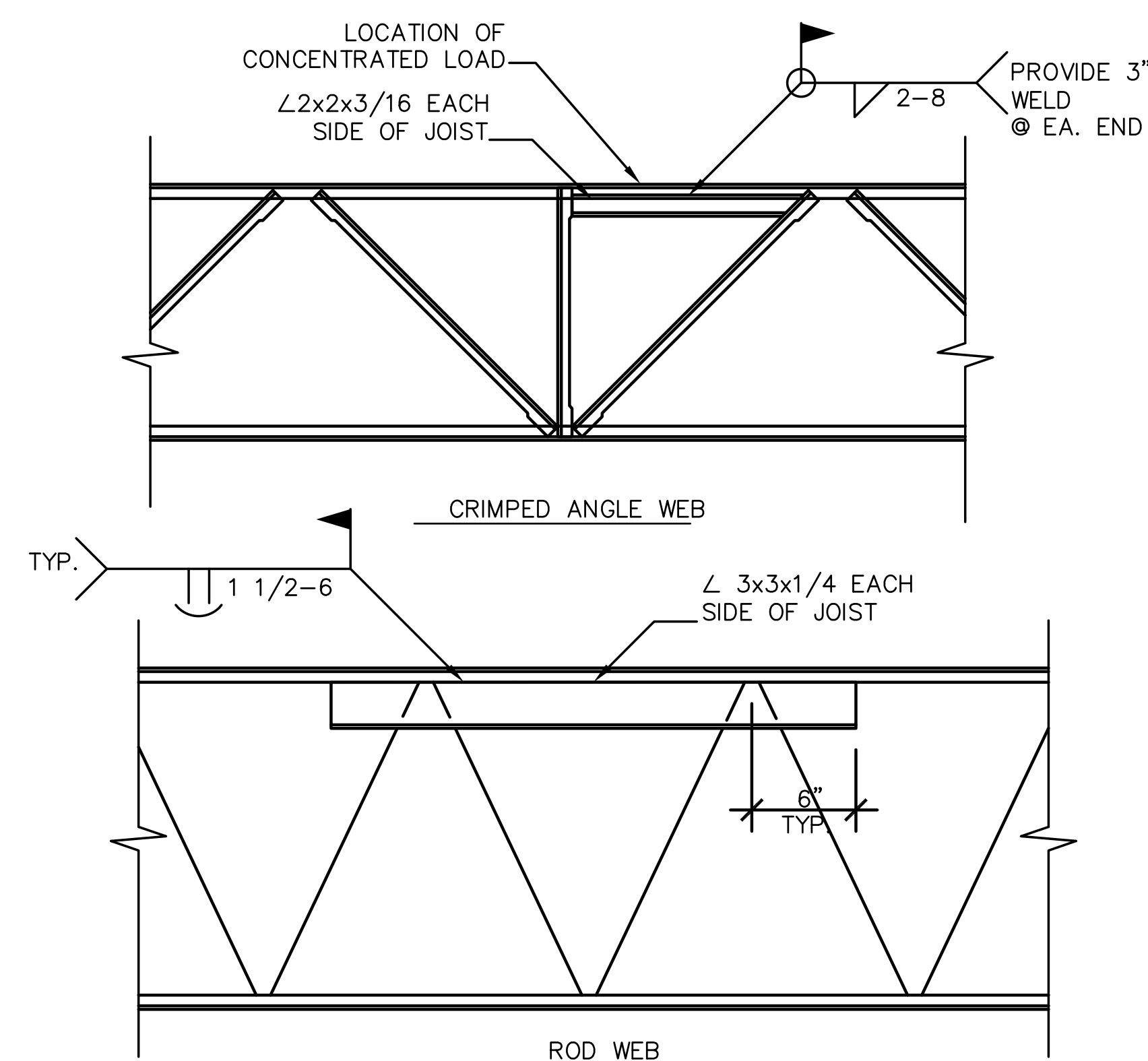






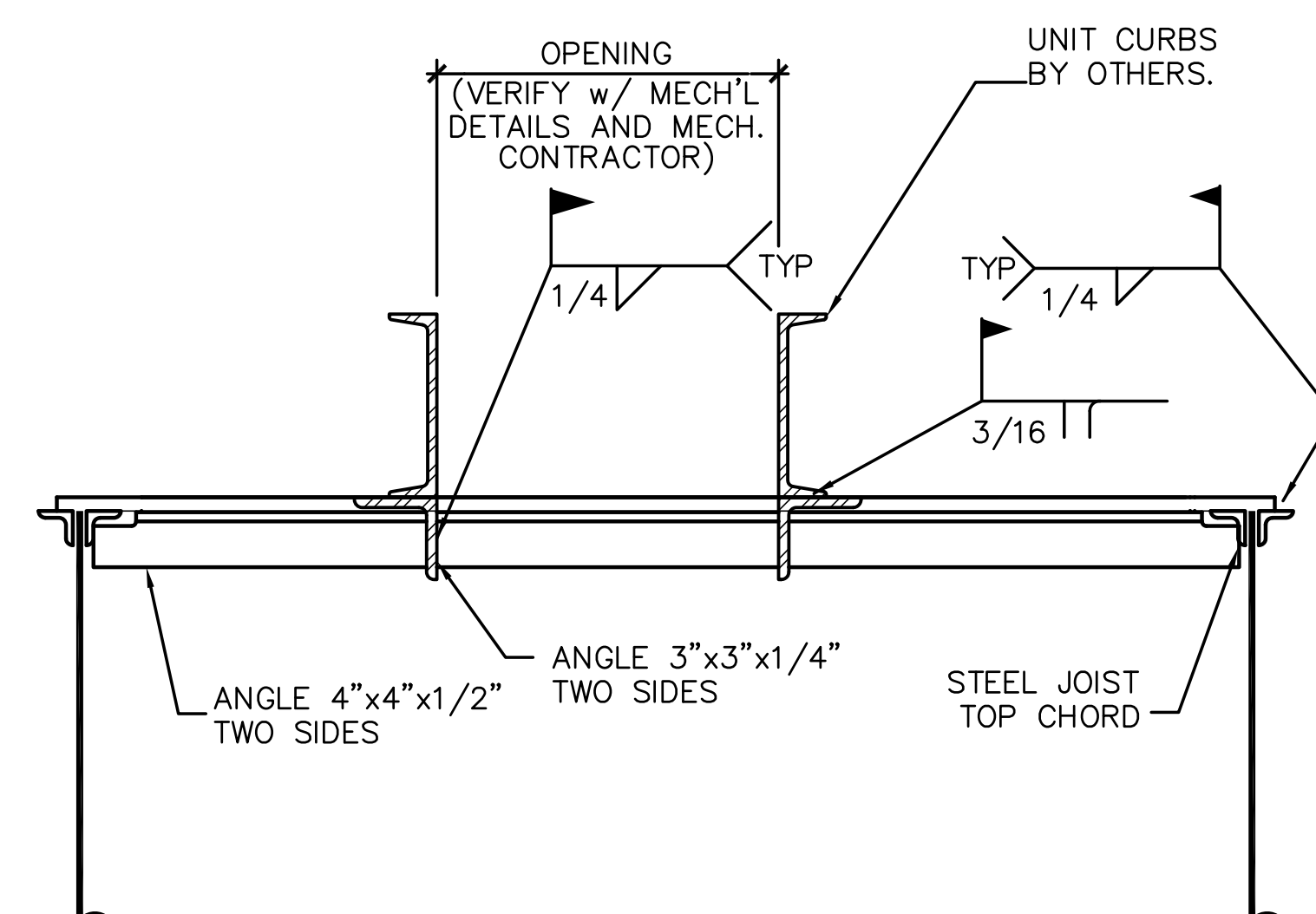
NOTE:  
THIS DETAIL APPLIES WHEREVER A CONCENTRATED LOAD GREATER THAN  
50 POUNDS OCCURS BETWEEN PANEL POINTS OF BOTTOM CHORD JOIST.

3 TYPICAL JOIST BOTTOM  
CHORD REINFORCEMENT

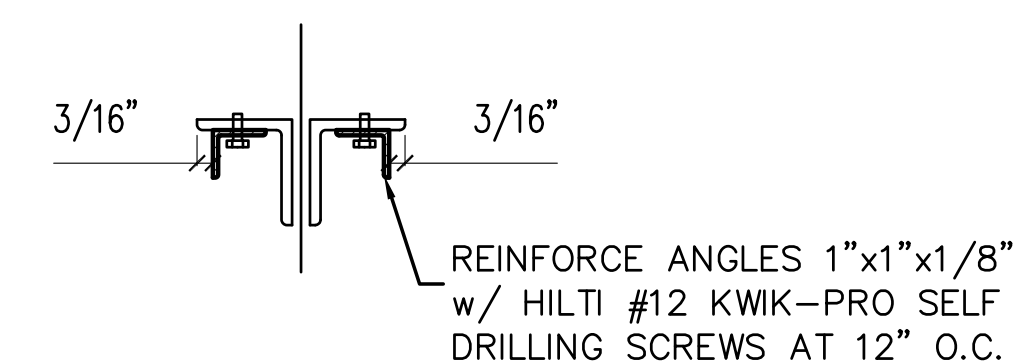


NOTE:  
TOP CHORD SHALL BE REINFORCED WHEREVER A CONCENTRATED LOAD  
IN EXCESS OF 50 LBS. OCCURS BETWEEN PANEL POINTS OF THE JOIST.

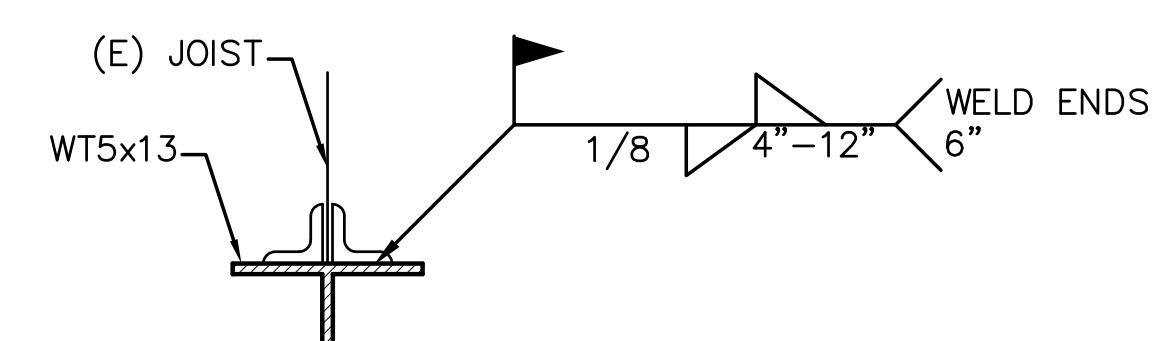
#### 4 TYPICAL TOP CHORD REINFORCEMENT FOR KCS OR K-SERIES JOISTS



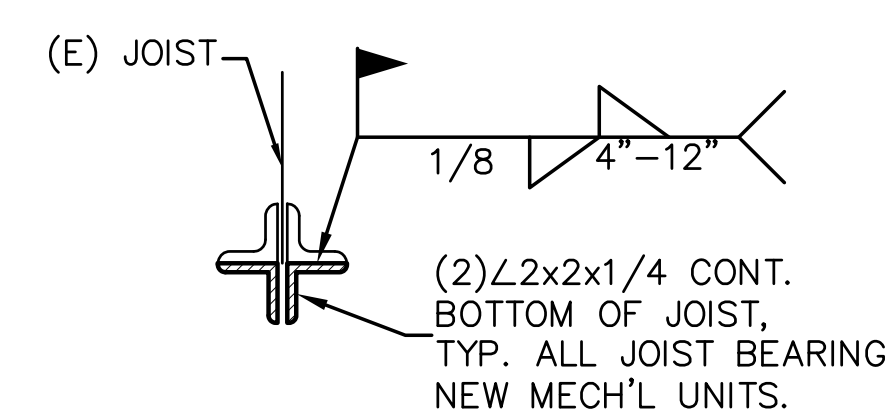
## 5 ROOF OPENING DETAIL



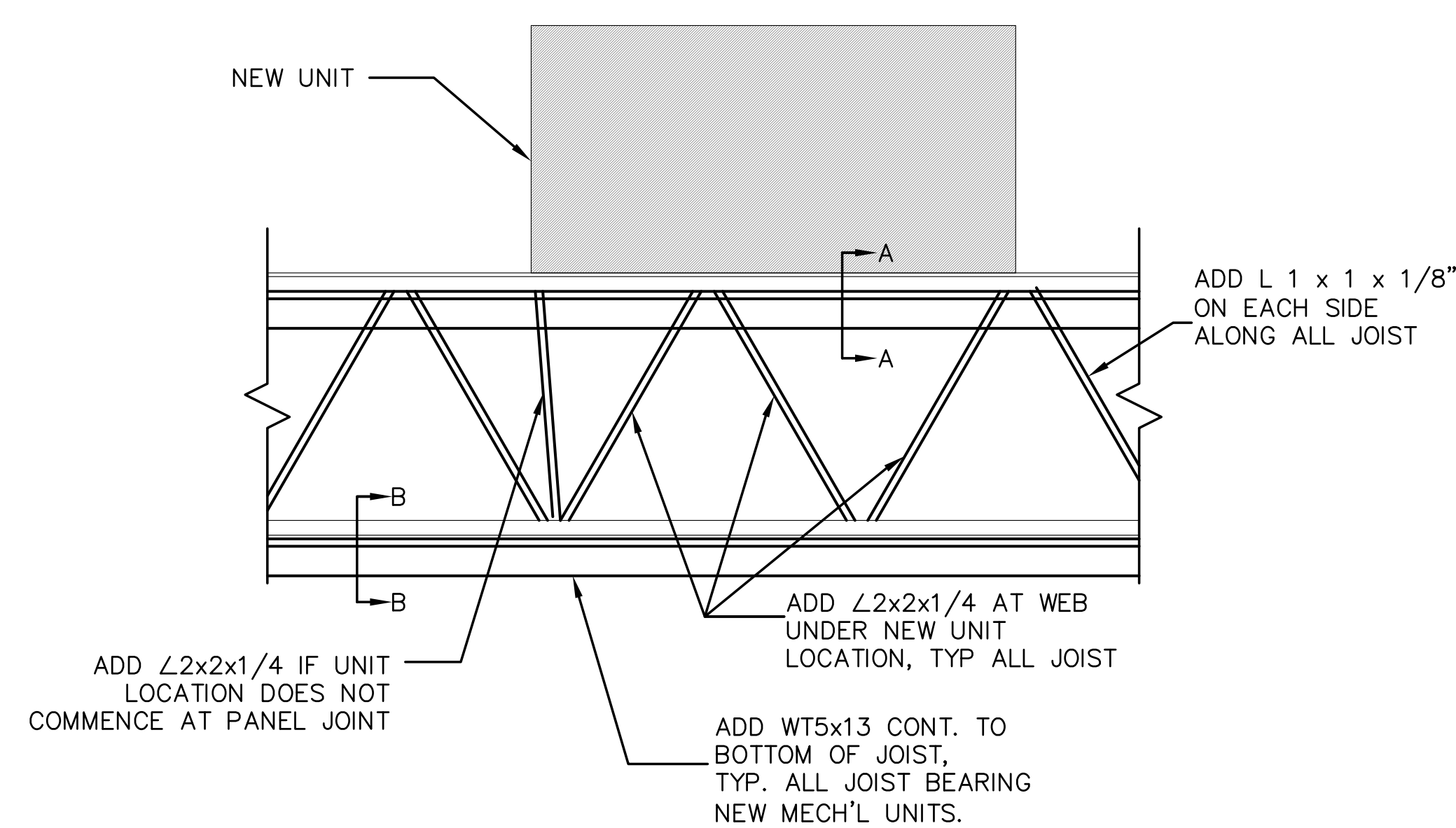
SECTION A-A



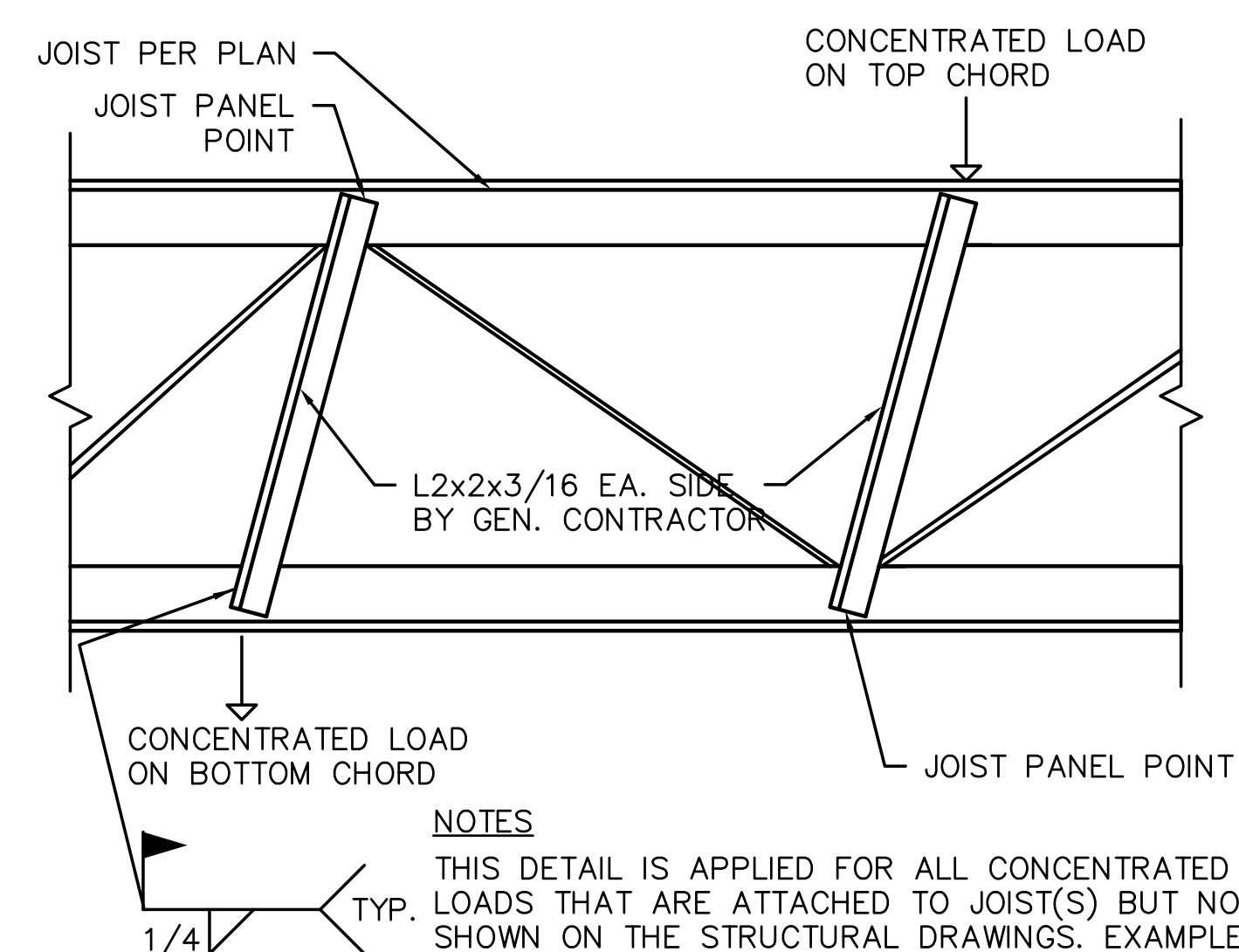
SECTION B-B



SECTION B-B ALTERNATE



1 JOIST REINFORCING DETAIL

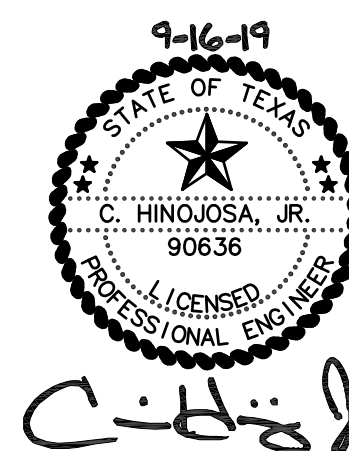


NOTES

THIS DETAIL IS APPLIED FOR ALL CONCENTRATED LOADS THAT ARE ATTACHED TO JOIST(S) BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS. EXAMPLES OF THESE LOADS ARE:

- 1) HANGING LOAD, PARTITION THAT EXCEEDS 150 lb.
- 2) HANGING PLUMBING, MECH'L STEEL PIPE WITH DIA. > 5"
- 3) HANGING BASKETBALL GOALS
- 4) MECHANICAL UNITS.

## 2 JOIST BRACING



**CLH**  
ENGINEERING, INC.  
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701 S. 15th STREET McALLEN, TX, 78101  
(956) 687-5560 (956) 687-5561 F.

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**BROWNSVILLE ISD  
RIVERA EARLY COLLEGE HIGH SCHOOL  
HVAC & LIGHTING IMPROVEMENTS**  
BROWNSVILLE, TX

PROJECT NO.:	
ISSUED:	09/16/2019
REVISIONS:	
NO.	DATE DESCRIPTION

DRAWN BY:
CHECKED BY:
SHEET TITLE:

## FRAMING DETAILS

SD-1.0