



1126 South Commerce St.
Harlingen, TX 78550
Off: (956) 230-3435
Fax: (956) 720-0830
www.ethoseng.net



05/02/2024

May 2, 2024

IDEA Public Schools Middle RGV Mechanical Upgrades CSP#24-MRMU-0424

ADDENDUM NO. 1

A. PURPOSE AND INTENT

This addendum is issued for the purpose of modifying the plans for the project referenced above. This addendum shall become part of the contract and all contractors shall be bound by its content. All aspects of the specifications and drawings not covered herein shall remain the same. The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this addendum.

B. SCOPE

I. Clarifications

1. See attached Pre-bid Sign-in sheet.
2. See attached plan holder's list.
3. Walkthrough for IDEA San Juan has been rescheduled to Friday, May 3, 2024 at 8:30 AM.
4. Access for demolition and replacement of existing RTU's and ACCU's may be restricted/blocked by existing site conditions (canopies, fences, etc). Contractor shall provide the necessary proper means (crane, lift, etc.) to perform construction activities and include cost in the bid. Contractor is responsible for repairing all the damages caused by the setup and use of the crane. Contractor shall return the site (parking lot, driveway, asphalt, curbs, grass, sidewalks, etc.) to its original condition after construction activities are performed.
5. The following structural drawings were added into the table of contents and are part of the CSP#24-MRMU-0424 project.
 - S1.1 GENERAL STRUCTURAL NOTES IDEA PHARR
 - S1.2 GENERAL STRUCTURAL NOTES IDEA SAN JUAN
 - S3.1 IDEA PHARR PARTIAL FRAMING PLAN AREA "B"
 - S3.2 IDEA PHARR PARTIAL FRAMING PLAN AREA "C"
 - S3.3 IDEA SAN JUAN STRUCTURAL RENOVATION FRAMING PLAN
 - S3.4 IDEA PHARR EXISTING JOIST REINFORCING PROFILES AREA "B"
 - S3.5 IDEA PHARR EXISTING JOIST REINFORCING PROFILES AREA "C"

II. Drawings

1. COVER SHEET – See attached.
 - a) Updated Scope of Work.
 - b) Updated List of Drawings.
 - c) Updated Executive Committee and Board of Directors.
2. New structural plan, Sheet S1.1 – See attached.
3. New structural plan, Sheet S1.2 – See attached.
4. New structural plan, Sheet S3.1 – See attached.
5. New structural plan, Sheet S3.2– See attached.
6. New structural plan, Sheet S3.3 – See attached.
7. New structural plan, Sheet S3.4 – See attached.
8. New structural plan, Sheet S3.5 – See attached.



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Project: IDEA Public Schools Middle RGV Mechanical Upgrades CSP24-MRMU-0424
 Bid Date: Friday, May 10, 2024 @ 3:00 PM
 Bid Conference: Tuesday, April 30, 2024 @ 9:00 AM

Contractor Name: Milica Yurong- Dodge Construction Addendum# _____ Date: _____
 Address: _____ Addendum# _____ Date: _____
 City,State,Zip: _____ Addendum# _____ Date: _____
 Phone & Fax#: _____
 Email: milica.yurong@construction.com Plan# _____
 Check # _____

Contractor Name: AGC San Juana Shwarz Addendum# _____ Date: _____
 Address: _____ Addendum# _____ Date: _____
 City,State,Zip: _____ Addendum# _____ Date: _____
 Phone & Fax#: _____
 Email: sanjuana@rgvagc.org Plan# _____
 Check # _____

Contractor Name: Construct Connect Addendum# _____ Date: _____
 Address: _____ Addendum# _____ Date: _____
 City,State,Zip: _____ Addendum# _____ Date: _____
 Phone & Fax#: _____
 Email: matthew.douglas@constructconnect.com Plan# _____
 Check # _____

Contractor Name: Virtual Builders -Heidi Shaffer Addendum# _____ Date: _____
 Address: _____ Addendum# _____ Date: _____
 City,State,Zip: _____ Addendum# _____ Date: _____
 Phone & Fax#: _____
 Email: southdesk@virtualbx.com Plan# _____
 Check # _____

Contractor Name: Coastland Mechanical Addendum# _____ Date: _____
 Address: _____ Addendum# _____ Date: _____
 City,State,Zip: _____ Addendum# _____ Date: _____
 Phone & Fax#: _____
 Email: stephanie.garcia@coastlandmechanicalservices.com Plan# _____
 Check # _____

Contractor Name: Air Cool Tech Addendum# _____ Date: _____
 Address: _____ Addendum# _____ Date: _____
 City,State,Zip: _____ Addendum# _____ Date: _____
 Phone & Fax#: _____
 Email: service@aircooltechcorp.com Plan# _____
 Check # _____



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Project:
 Bid Date:
 Bid Conference:

Contractor Name: Johnson Controls - Omar Rodriguez Addendum# _____ Date: _____
 Address: _____ Addendum# _____ Date: _____
 City,State,Zip: _____ Addendum# _____ Date: _____
 Phone & Fax#: 956-451-5470
 Email: omar.1.rodriguez@jci.com Plan# _____
 Check # _____

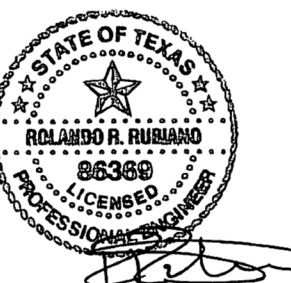
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 Address: _____ Addendum# _____ Date: _____
 City,State,Zip: _____ Addendum# _____ Date: _____
 Phone & Fax#: 956-682-2822
 Email: Justin Dobbs Plan# _____
 Check # _____

Contractor Name: _____ Addendum# _____ Date: _____
 Address: _____ Addendum# _____ Date: _____
 City,State,Zip: _____ Addendum# _____ Date: _____
 Phone & Fax#: _____
 Email: _____ Plan# _____
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Contractor Name: _____ Addendum# _____ Date: _____
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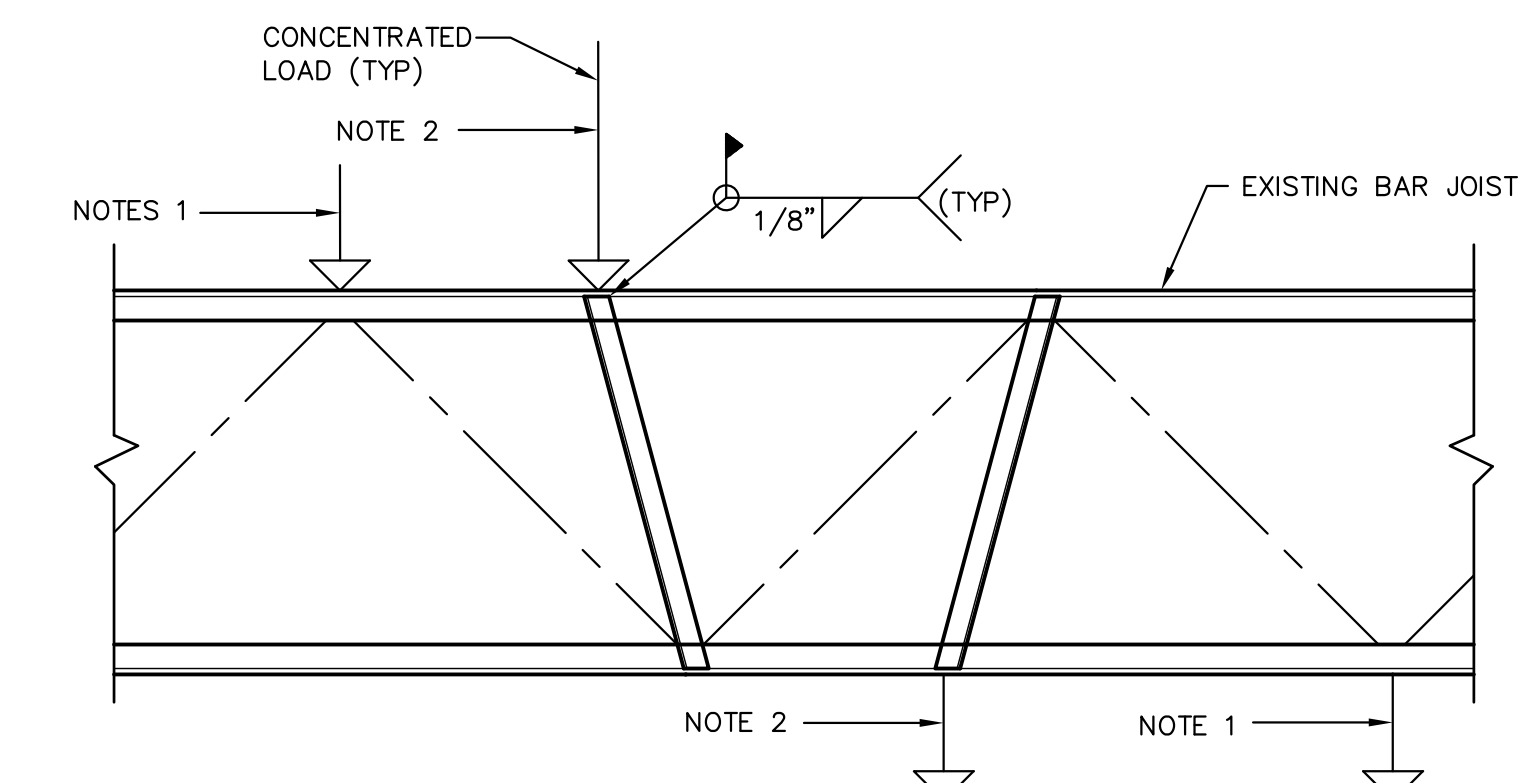
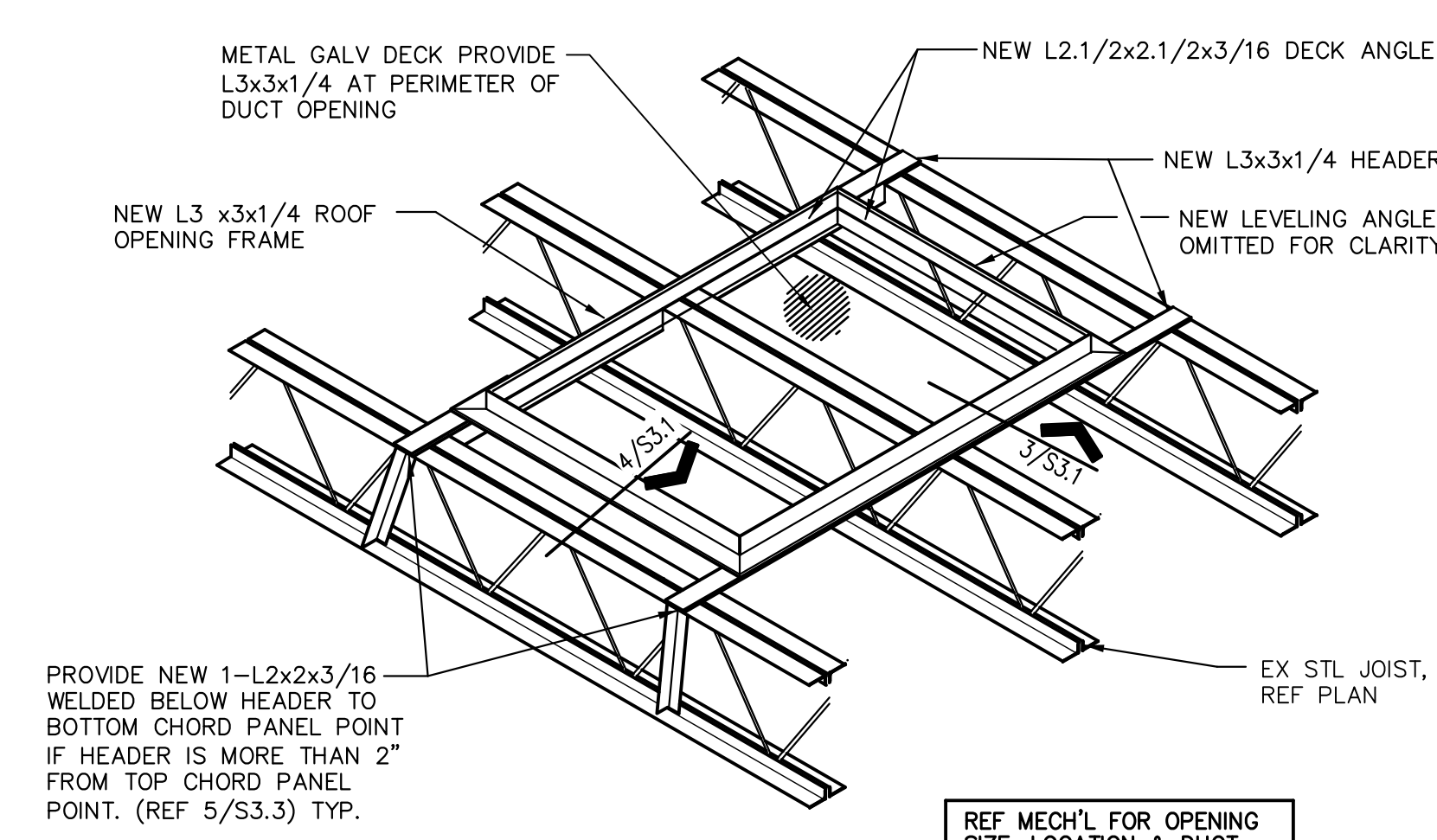
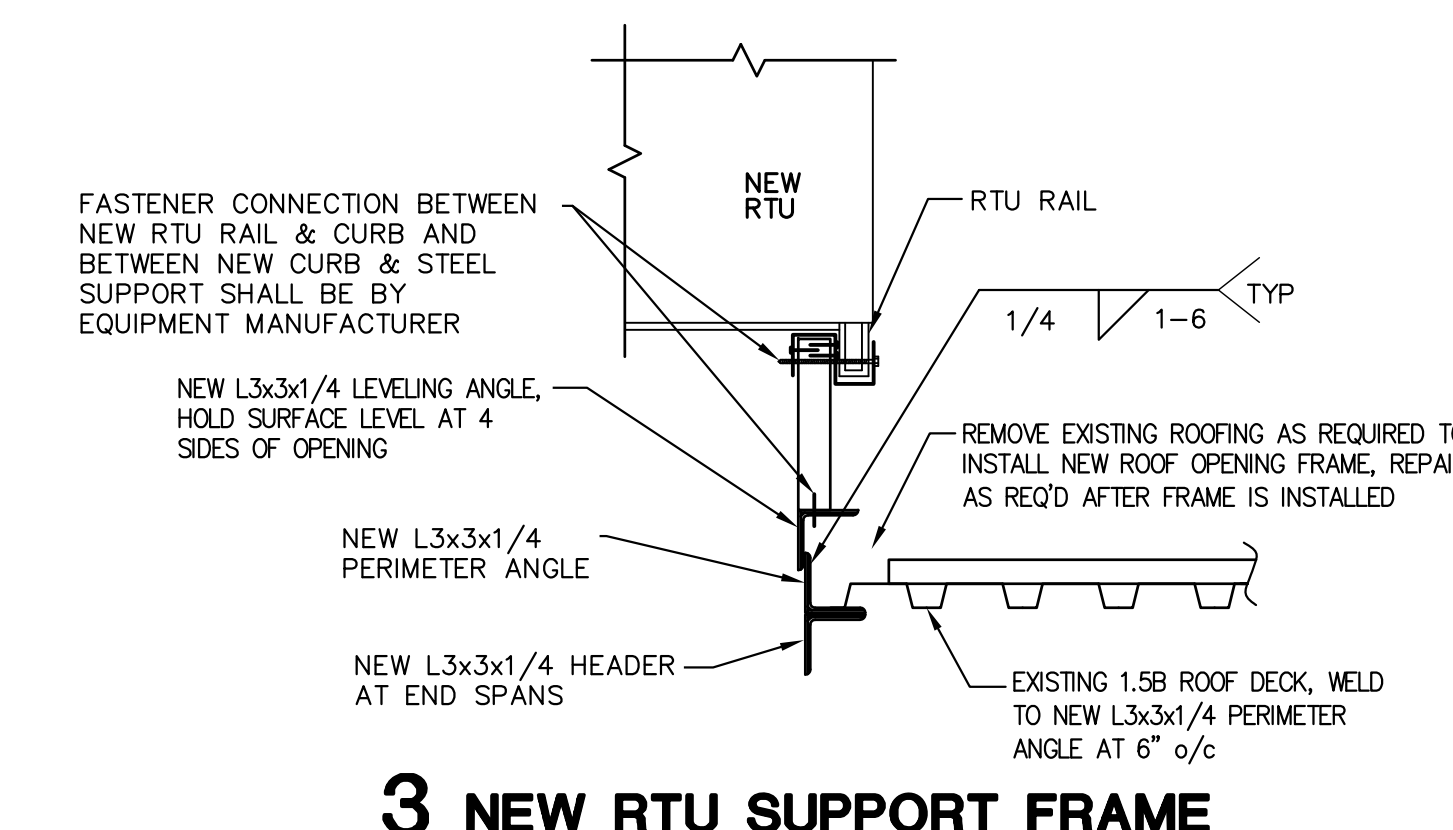
1128 SOUTH COMMERCE ST.
HARLINGEN, TX
PHONE: 956-205-2435
TEXAS REGISTERED
ENGINEERING FIRM
E-15598

DATE: MAY 1, 2024
CHECKED BY: BD
DRAWN BY: DC
PROJECT NO.: 1178-43
CAD FILE:
SHEET:

S3.1

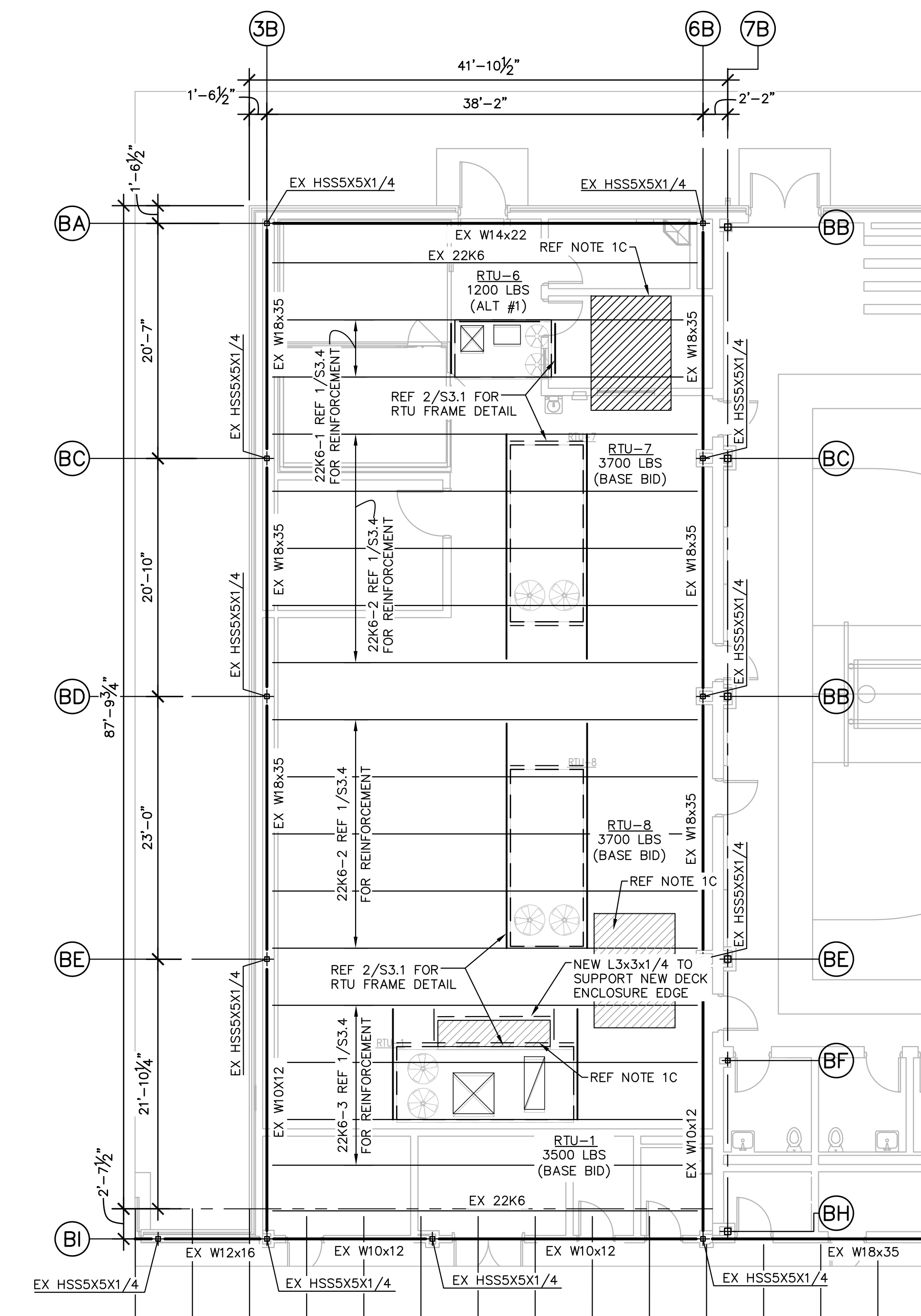
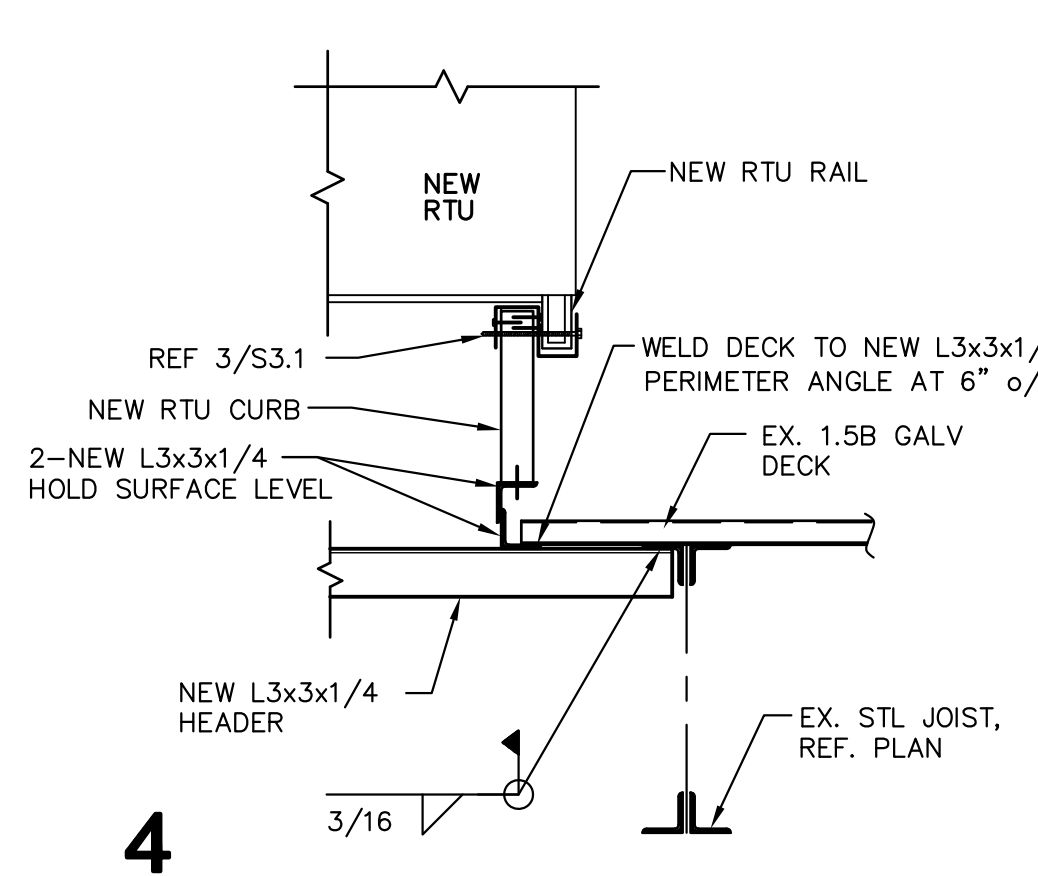
IDEA PHARR
GREEN, RUBIANO & ASSOCIATES
CONSULTING STRUCTURAL ENGINEERS
1200 WEST HARRISON
AMARILLO, TEXAS 79101
(806) 428-4481 FAX: 806-428-4482
P.E. REGISTRATION # F-1145

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NOTES:

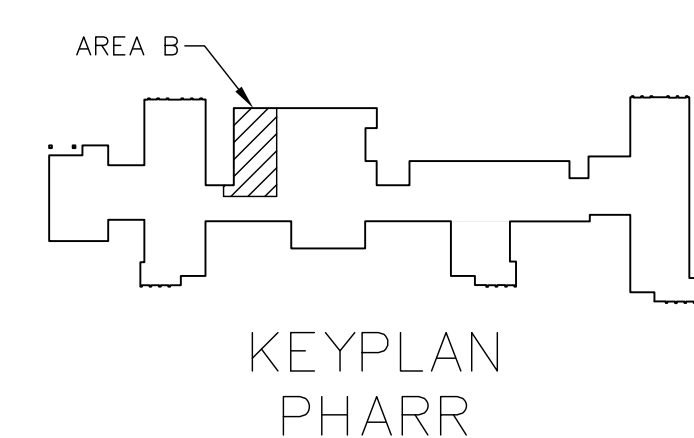
1. CONCENTRATED LOAD LOCATED AT JOIST PANEL POINT LOCATION - NO ADDITIONAL ANGLES REQUIRED.
2. CONCENTRATED LOAD (100 LBS. OR HEAVIER) NOT LOCATED AT JOIST PANEL POINT LOCATION - PROVIDE L2x2x1/4 TO PANEL POINT AS SHOWN.

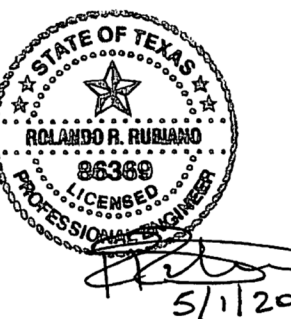


1 PARTIAL FRAMING PLAN
1/8" = 1'-0" IDEA PHARR AREA B

- NOTES:
1. SCOPE OF WORK:
 - A - MODIFY EXISTING ROOF OPENING FRAME AS REQUIRED TO INSTALL NEW FRAME FOR NEW OPENING SIZE.
 - B - INSTALL NEW ROOF OPENING FRAME PER DETAIL 2/S3.1.
 - C - INSTALL NEW METAL ROOF DECK AS REQUIRED TO CLOSE-OFF AREAS BETWEEN NEW AND EXISTING ROOF OPENINGS.
 - D - INSTALL NEW ROOFING INTEGRATED WITH EXISTING ROOF AND ONTO NEW RTU CURBS AS REQUIRED FOR A COMPLETE WATERPROOF INSTALLATION (BY OTHERS).
 2. NEW ROOF DECK SHALL BE 1.5B 22GA GALV DECK BY VULCRAFT OR APPROVED EQUAL. ($I_p=0.155 \text{ IN}^4/\text{FT}$; $S_p=0.186 \text{ IN}^3/\text{FT}$; $I_x=0.183 \text{ IN}^4/\text{FT}$; $S_x=0.192 \text{ IN}^3/\text{FT}$; $F_y=33\text{KSI}$). ATTACH DECK TO SUPPORTS USING 5/8" PUDDLE WELDS ON A 36/77 PATTERN AND 7-#10 TEK SCREW SIDE LAP FASTENERS.
 3. PRIOR TO INSTALLATION OF MECHANICAL EQUIPMENT, NOTIFY ENGINEER IF EQUIPMENT WEIGHTS OR LOCATIONS VARY FROM THAT SHOWN ON PLAN TO ALLOW VERIFICATION OF STRUCTURAL CAPACITY OF FRAMING MEMBERS.
 4. REFER TO MECHANICAL AND MANUFACTURER'S DRAWINGS FOR FASTENING OF THE ROOF CURB AND HVAC UNITS TO RTU SUPPORT FRAMES.
 5. EXISTING FRAMING PLANS ARE BASED ON STRUCTURAL RECORDS DRAWINGS TITLED -IDEA PUBLIC SCHOOLS IDEA PHARR - PHASE III, SHEET S3.3, DATED 08-08-12 BY HINOJOSA ENGINEERING, INC. CONTRACTOR SHALL REFER TO RECORD DRAWINGS FOR ADDITIONAL INFORMATION.
 6. ALL STRUCTURAL STEEL NOTED ON FRAMING PLAN IS EXISTING UNLESS NOTED OTHERWISE.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & EXISTING CONDITIONS IN THE FIELD. CONTACT ENGINEER IF CONDITIONS VARY FROM THOSE SHOWN ON THE DRAWINGS.

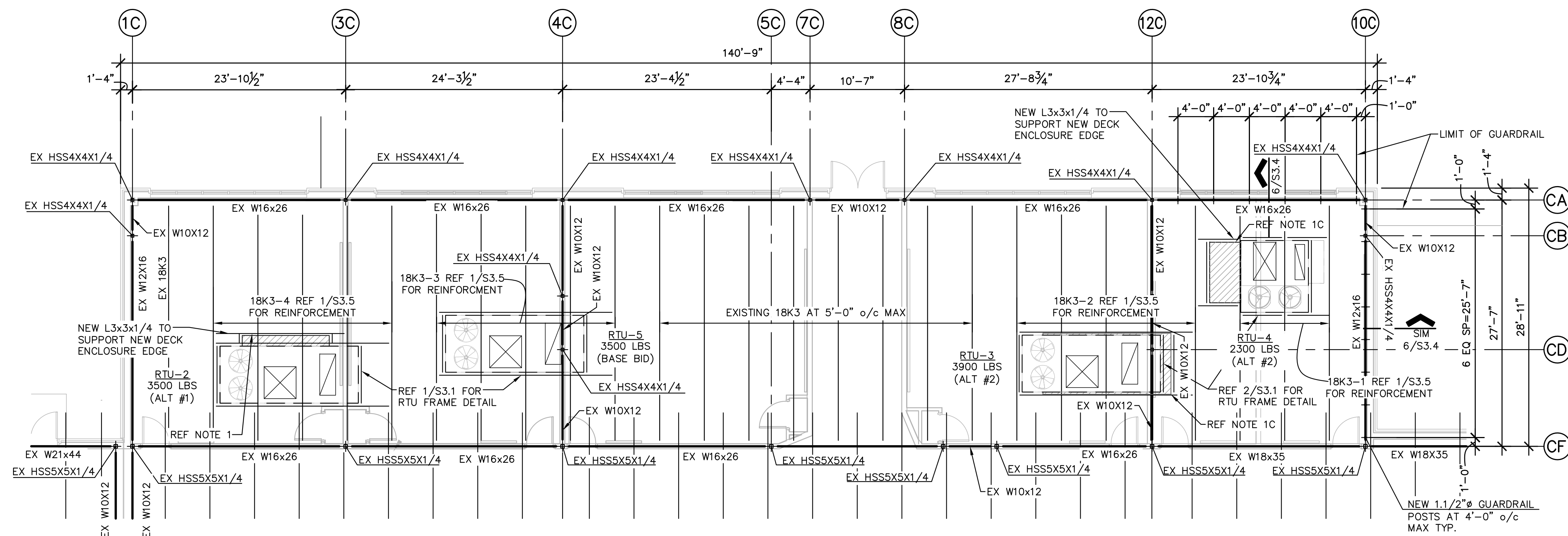




1128 SOUTH COMMERCE ST.
FARGO, TX 79201
PHONE: 952-205-3435
TEXAS REGISTERED
ENGINEERING FIRM
E-15998

DATE: MAY 1, 2024
CHECKED BY: BD
DRAWN BY: DC
PROJECT NO.: 1178-43
CAD FILE:
SHEET:

S3.2

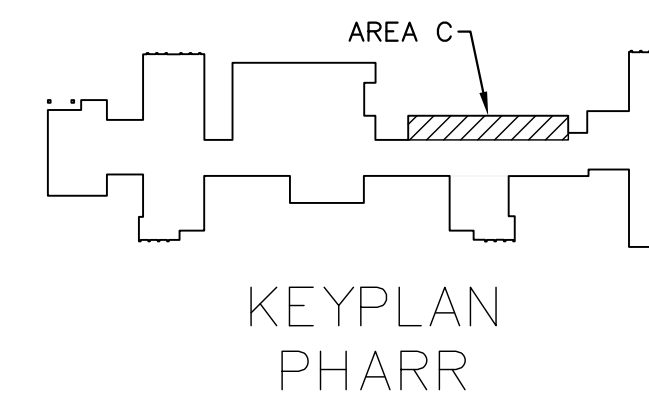


1 PARTIAL FRAMING PLAN
1/8" = 1'-0" IDEA PHARR AREA C

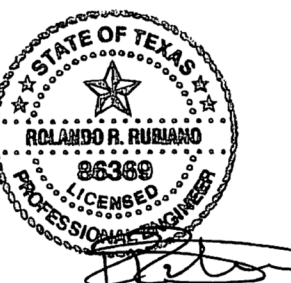
NOTES:

1. SCOPE OF WORK:
 - A - MODIFY EXISTING ROOF OPENING FRAME AS REQUIRED TO INSTALL NEW FRAME FOR NEW OPENING SIZE.
 - B - INSTALL NEW ROOF OPENING FRAME PER DETAIL 2/S3.1.
 - C - INSTALL NEW METAL ROOF DECK AS REQUIRED TO CLOSE-OFF AREAS BETWEEN NEW AND EXISTING ROOF OPENINGS.
 - D - INSTALL NEW ROOFING INTEGRATED WITH EXISTING ROOF AND ONTO NEW RTU CURBS AS REQUIRED FOR A COMPLETE WATERPROOF INSTALLATION (BY OTHERS).
2. NEW ROOF DECK SHALL BE 1.5B 22GA GALV DECK BY VULCRAFT OR APPROVED EQUAL. (p=0.155 IN⁴/FT; Sp=0.186 IN³/FT; In=0.183 IN⁴/FT; Sn=0.192 IN³/FT; Fy=33KSI). ATTACH DECK TO SUPPORTS USING 5/8" PUDDLE WELDS ON A 36/7 PATTERN AND 7-#10 TEK SCREW SIDE LAP FASTENERS.
3. PRIOR TO INSTALLATION OF MECHANICAL EQUIPMENT, NOTIFY ENGINEER IF EQUIPMENT WEIGHTS OR LOCATIONS VARY FROM THAT SHOWN ON PLAN TO ALLOW VERIFICATION OF STRUCTURAL CAPACITY OF FRAMING MEMBERS.
4. REFER TO MECHANICAL AND MANUFACTURER'S DRAWINGS FOR FASTENING OF THE ROOF CURB AND HVAC UNITS TO RTU SUPPORT FRAMES.
5. EXISTING FRAMING PLANS ARE BASED ON STRUCTURAL RECORDS DRAWINGS TITLED -IDEA PUBLIC SCHOOLS IDEA PHARR - PHASE III, SHEET S3.3, DATED 08-08-12 BY HINOJOSA ENGINEERING, INC. CONTRACTOR SHALL REFER TO RECORD DRAWINGS FOR ADDITIONAL INFORMATION.
6. ALL STRUCTURAL STEEL NOTED ON FRAMING PLAN IS EXISTING UNLESS NOTED OTHERWISE.

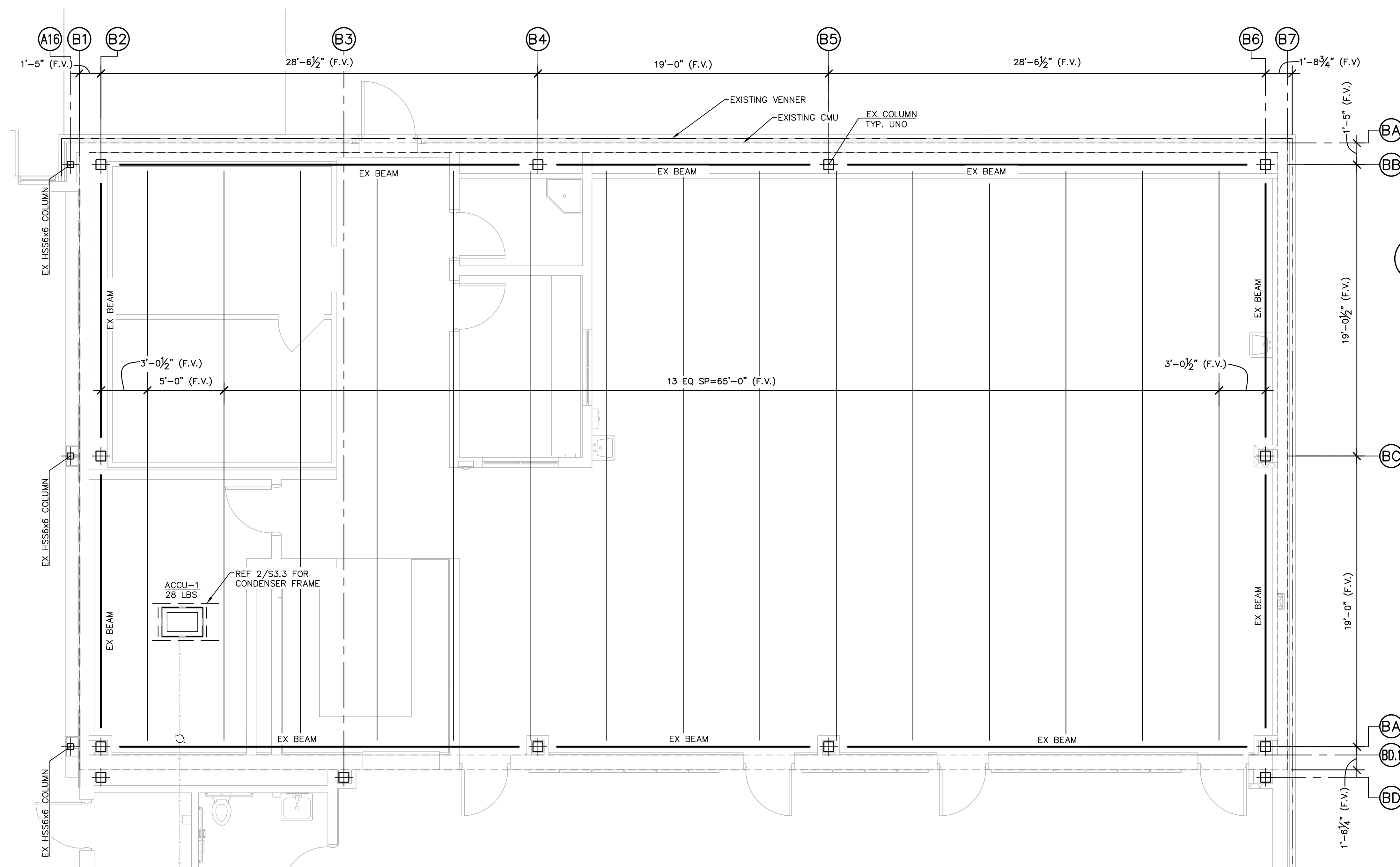
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & EXISTING CONDITIONS IN THE FIELD. CONTACT ENGINEER IF CONDITIONS VARY FROM THOSE SHOWN ON THE DRAWINGS.



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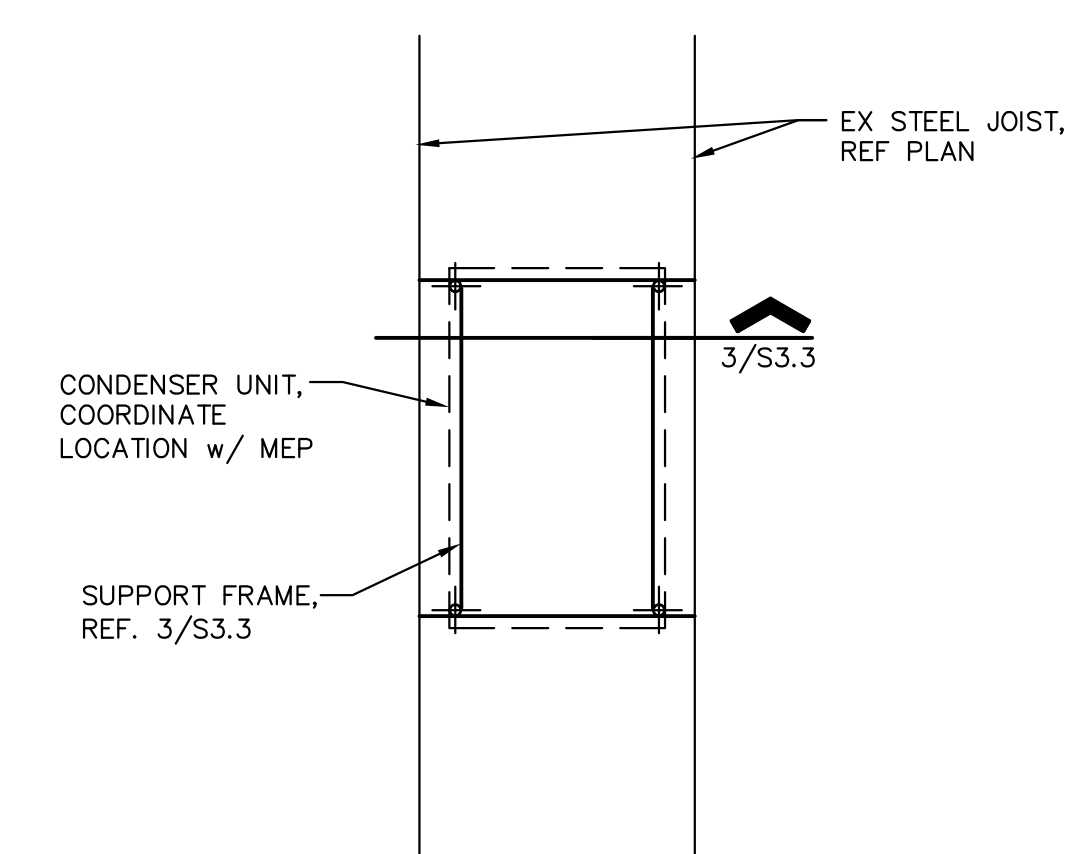
1 STRUCTURAL RENOVATION FRAMING PLAN

1/4" = 1'-0"

NOTES:

- SCOPE OF WORK:
 - A - MODIFY EXISTING ROOF AS REQUIRED TO INSTALL NEW CONDENSER SUPPORT FRAME.
 - B - INSTALL NEW CONDENSER SUPPORT FRAME PER DETAIL 3/S3.3.
 - C - INSTALL NEW ROOF INTEGRATED WITH EXISTING ROOF AROUND CONDENSER SUPPORT POSTS FOR A COMPLETE WATERPROOF INSTALLATION (BY OTHERS).
- PRIOR TO INSTALLATION OF MECHANICAL EQUIPMENT, NOTIFY ENGINEER IF EQUIPMENT WEIGHTS OR LOCATIONS VARY FROM THAT SHOWN ON PLAN TO ALLOW VERIFICATION OF STRUCTURAL CAPACITY OF FRAMING MEMBERS.
- REFER TO MECHANICAL AND MANUFACTURER'S DRAWINGS FOR FASTENING OF CONDENSER TO SUPPORT FRAME.
- EXISTING FRAMING PLAN WAS DEVELOPED BASED ON LIMITED FIELD OBSERVATIONS AND WILL NEED TO BE FIELD VERIFIED ONCE CONTRACTOR HAS EXPOSED STRUCTURE. CONTRACTOR WILL NEED TO CONTACT ENGINEER OF RECORD TO SCHEDULE A SITE VISIT PRIOR TO START OF INSTALLATION OF CONDENSER SUPPORT FRAMING.
- ALL STRUCTURAL STEEL NOTED ON FRAMING PLAN IS EXISTING UNLESS NOTED OTHERWISE.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & EXISTING CONDITIONS IN THE FIELD. CONTACT ENGINEER IF CONDITIONS VARY FROM THOSE SHOWN ON THE DRAWINGS.

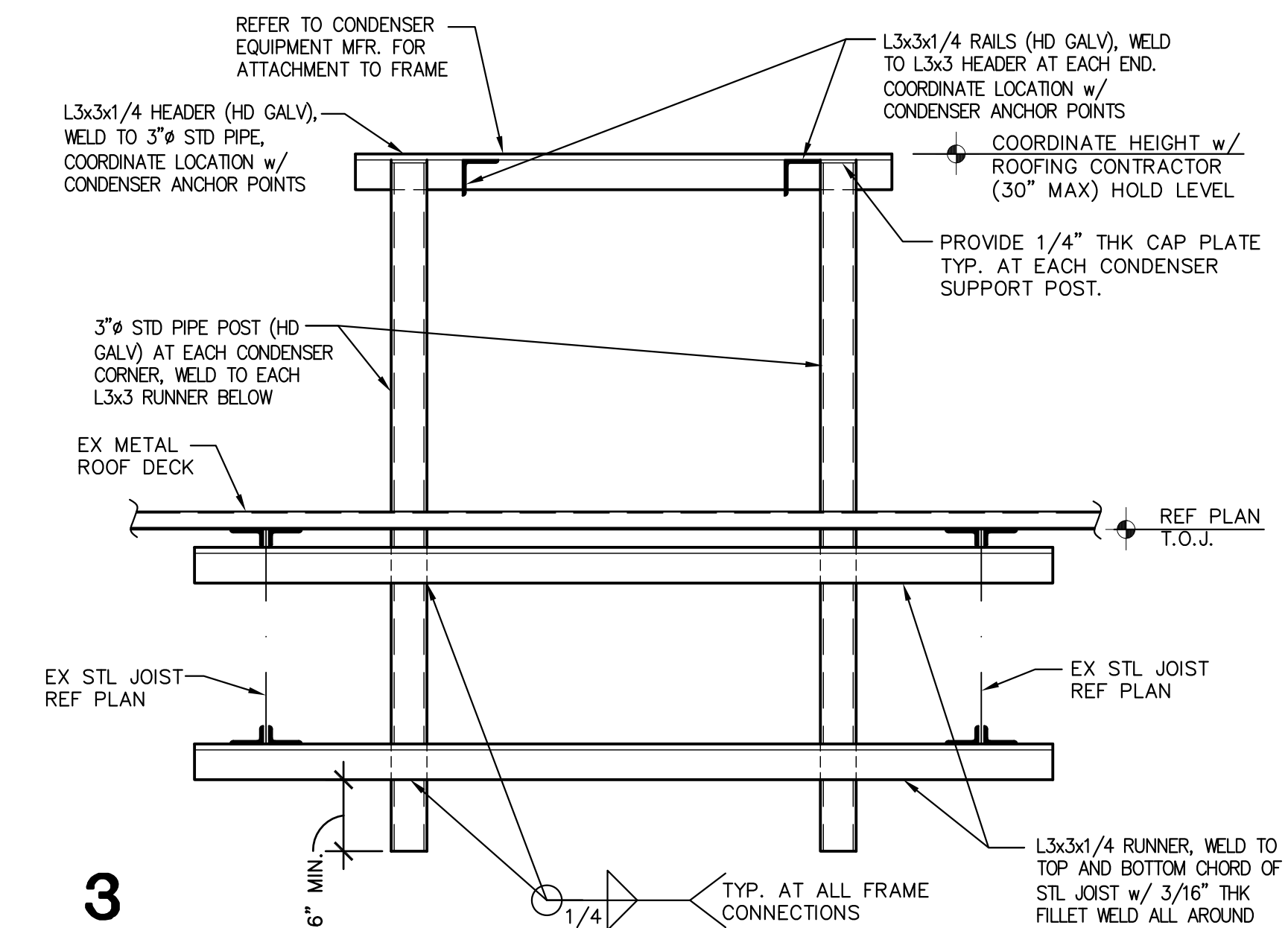


2 TYPICAL ROOF MOUNTED SUPPORT FRAMING PLAN

1/4" = 1'-0"

NOTES:

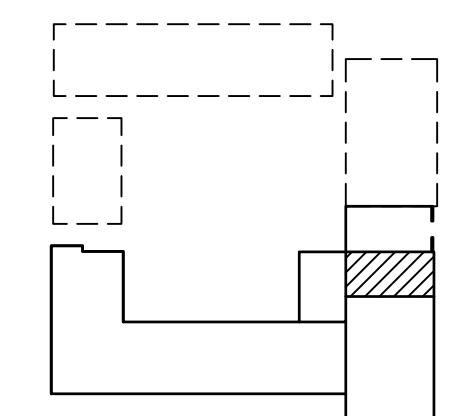
- COORDINATE LOCATION AND ORIENTATION WITH MEP AND ARCHITECTURAL.



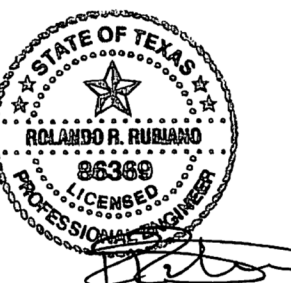
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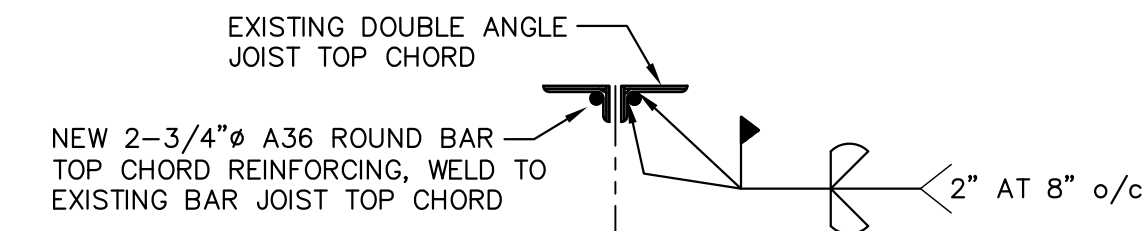
- COORDINATE LOCATION OF SUPPORT FRAME WITH MEP & EQUIPMENT MANUFACTURER.
- REFERENCE 2/S3.3 FOR TYPICAL CONDENSER UNIT SUPPORT FRAMING PLAN.



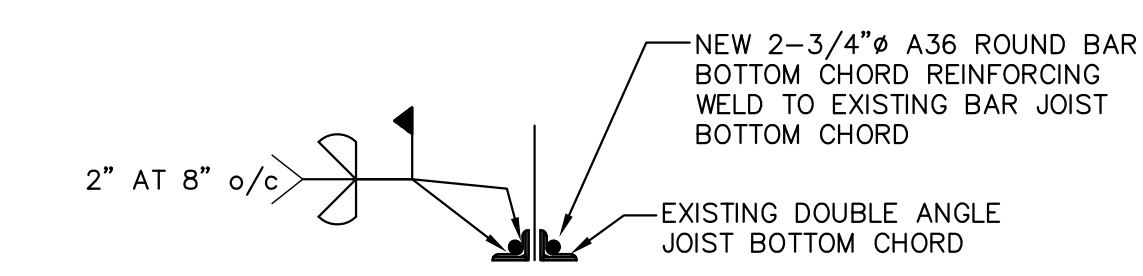
KEYPLAN
SAN JUAN



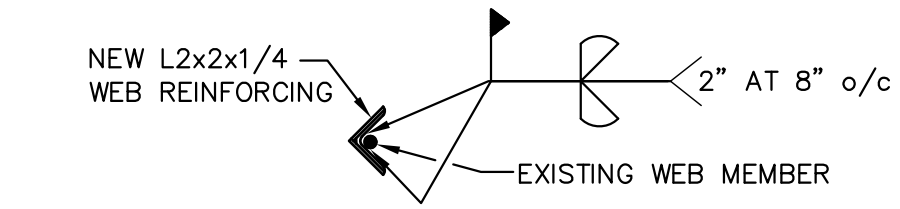
IDEA PHARR
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1230 WEST HARRISON
HARLINGEN, TEXAS 77901
(956) 428-4481 FAX: 956-428-4482
P.E. REGISTRATION # F-4145



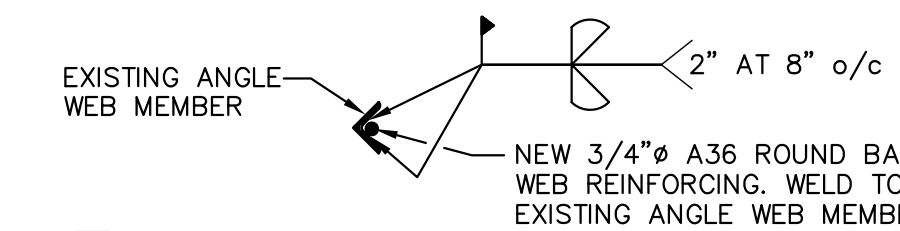
2 TYPICAL TOP CHORD REINFORCEMENT



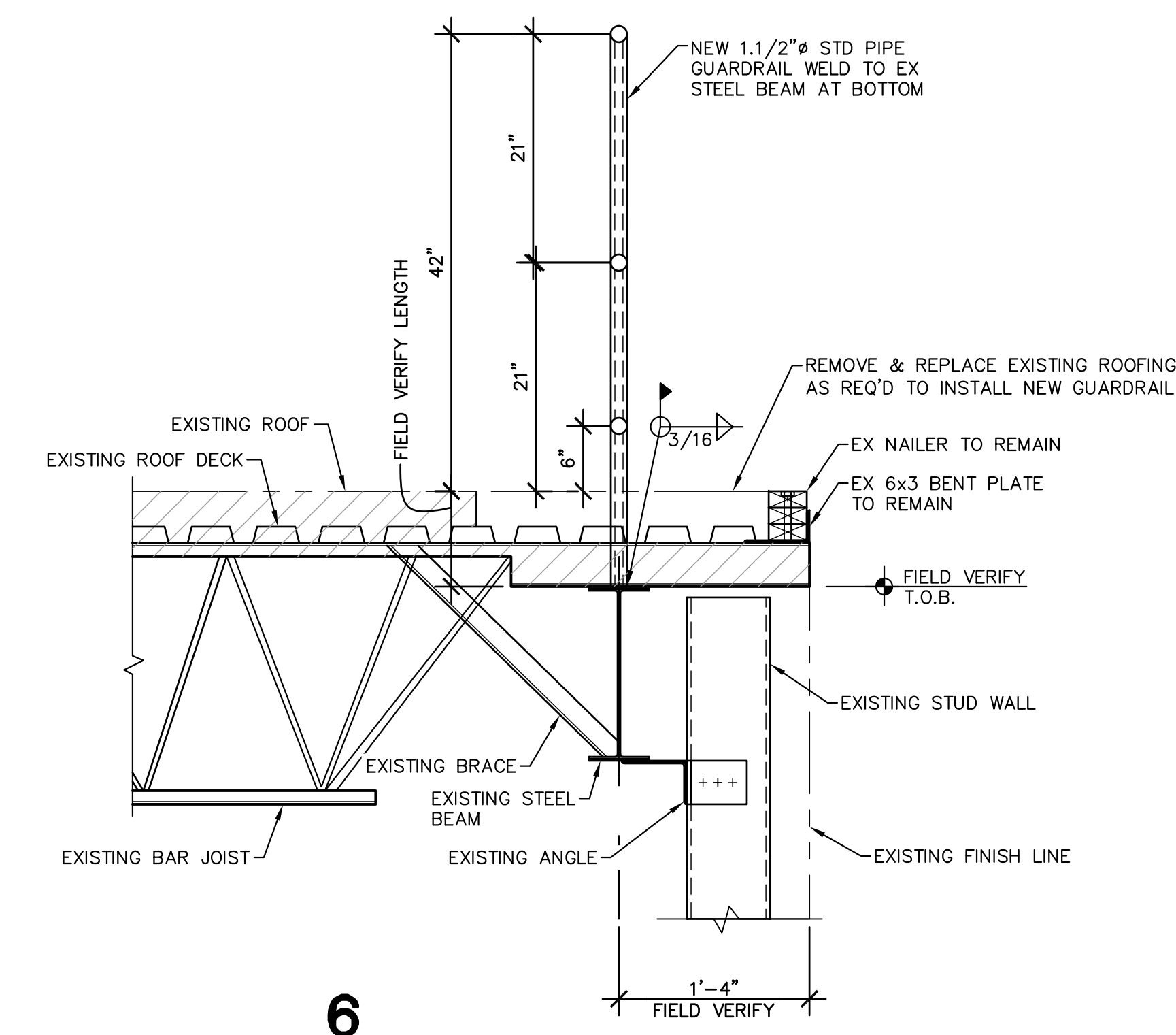
3 TYPICAL BOTTOM CHORD REINFORCEMENT



4 TYPICAL ROD WEB MEMBER REINFORCEMENT

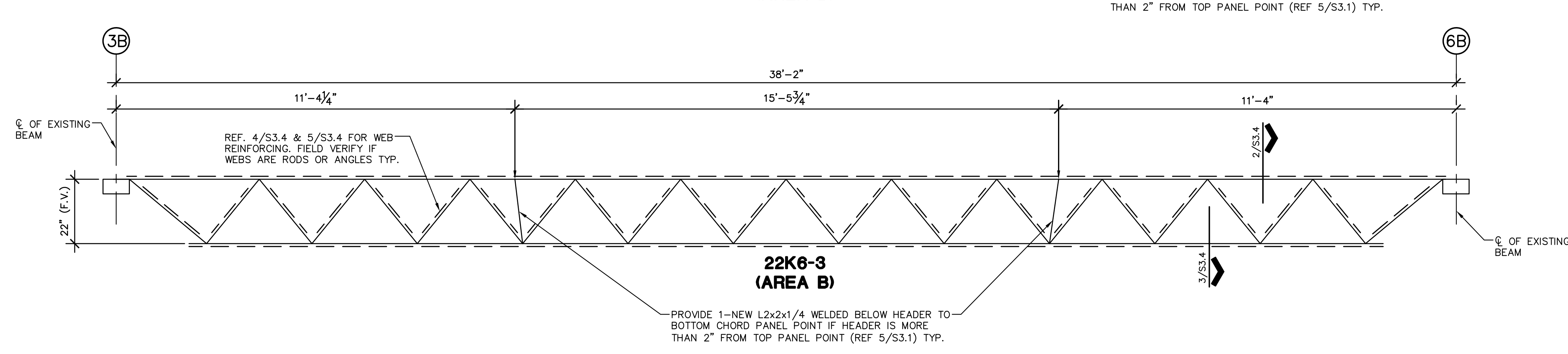
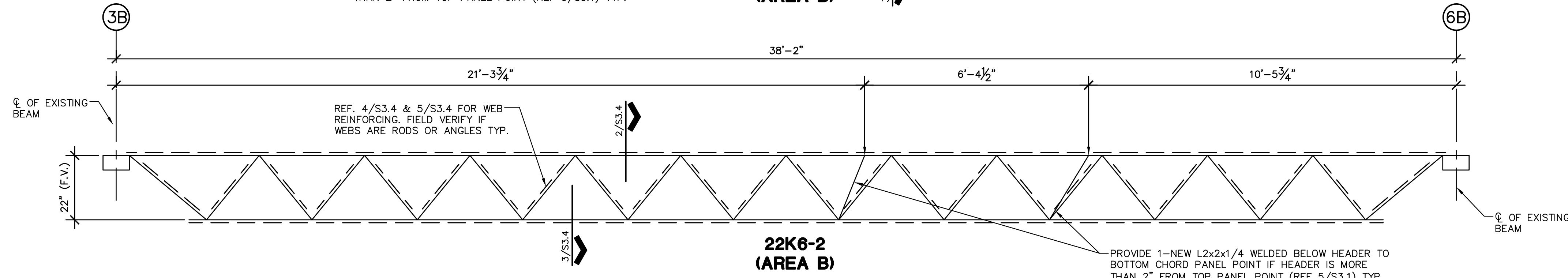
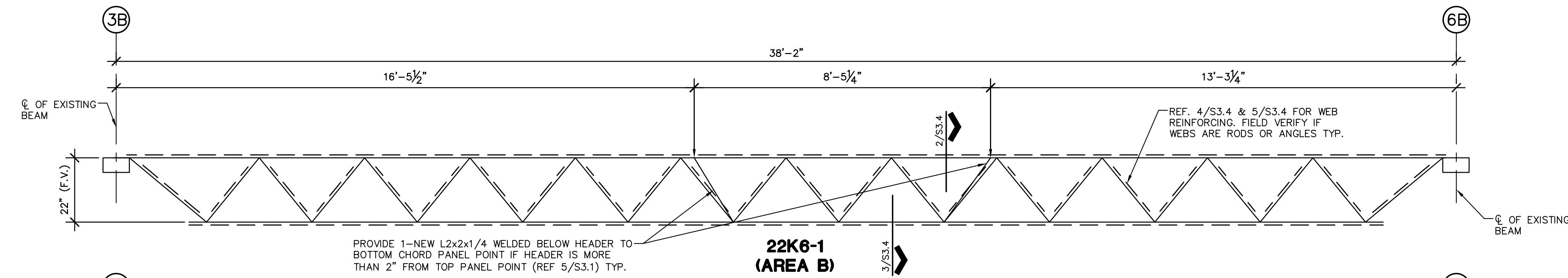


5 TYPICAL ANGLE WEB MEMBER REINFORCEMENT



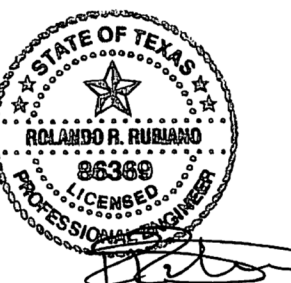
6

- NOTES:
- CONTRACTOR SHALL FABRICATE AND INSTALL NEW 12'-0" SECTION OF GUARDRAIL ALONG EDGE OF ROOF.
 - GUARDRAIL POSTS SHALL BE WELDED TO TOP FLANGE OF EXISTING BEAM.
 - REMOVE AND REPAIR ROOF DECK TO PROVIDE NECESSARY ACCESS FOR GUARDRAIL POST INSTALLATION.



1 EXISTING JOIST REINFORCING PROFILES
1/2" = 1'-0" AREA B

- NOTES:
- ALL EXISTING JOIST REINFORCEMENT PROFILES ARE SCHEMATIC AND PROVIDED FOR PRICING PURPOSES. ALL DIMENSIONS AND JOIST WEB LAYOUTS WILL NEED TO BE FIELD VERIFIED AFTER EXISTING JOIST ARE EXPOSED IN THE FIELD.
 - GENERAL CONTRACTOR WILL NEED TO CONTACT GRA TO SCHEDULE FIELD OBSERVATIONS TO OBSERVE EXISTING BAR JOIST AT NEW RTU LOCATIONS. CONTRACTOR WILL NEED TO PROVIDE A LIFT OR LADDERS ON SITE TO BE USED AS DIRECTED BY GRA PERSONNEL TO GAIN ACCESS TO EXISTING BAR JOIST.
 - ONCE GRA HAS ANALYZED THE EXISTING BAR JOIST, THE JOIST REINFORCEMENT JOIST PROFILE ON 1/S3.4 WILL BE REVISED AS REQUIRED, INCORPORATING REPAIR DETAILS 2-5/S3.4.



1128 SOUTH COMMERCE ST.
HARLINGEN, TX
PHONE: 361-205-2435
TEXAS REGISTERED
ENGINEERING FIRM
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DATE: MAY 1, 2024

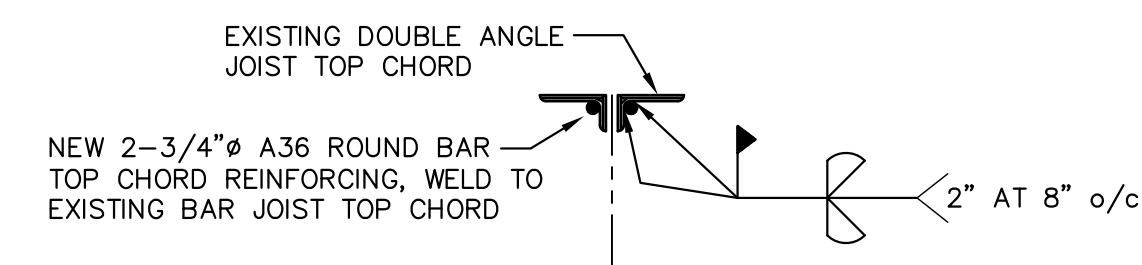
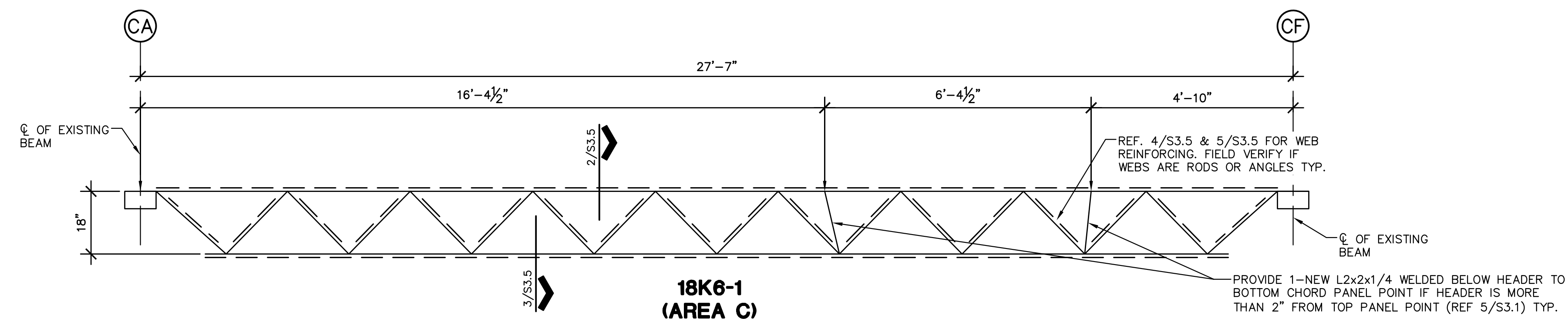
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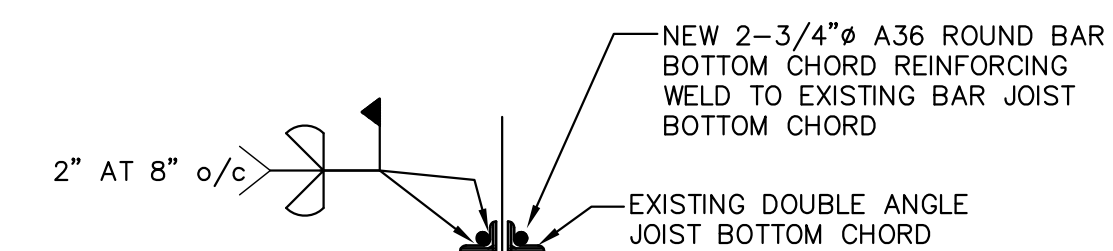
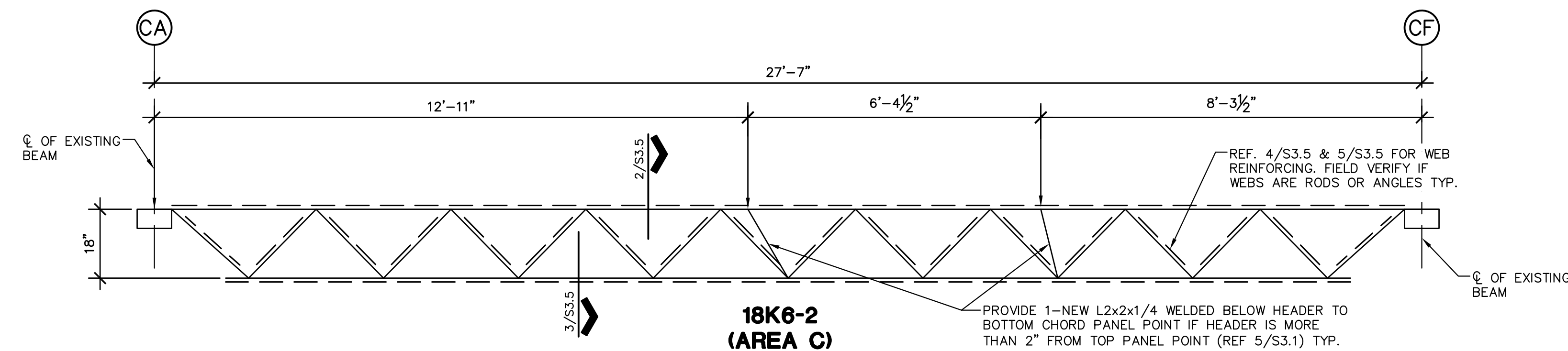
PROJECT NO.: 1178-43

CAD FILE:
SHEET:

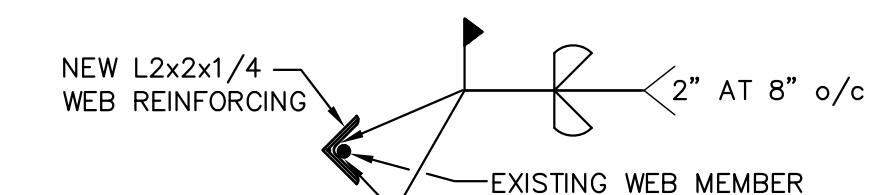
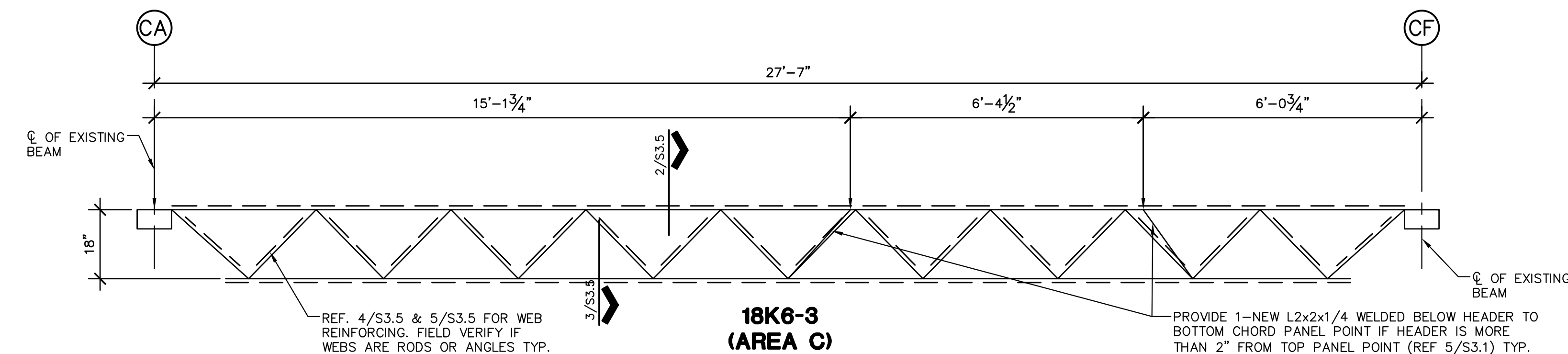
S3.5



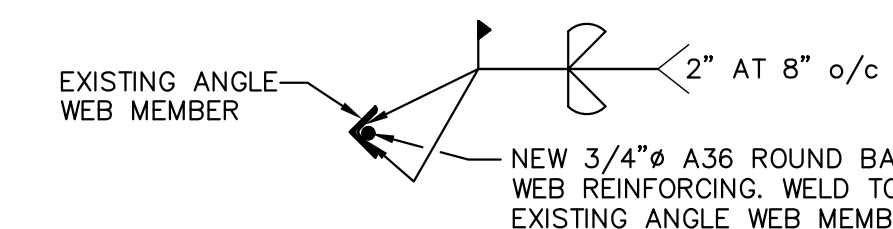
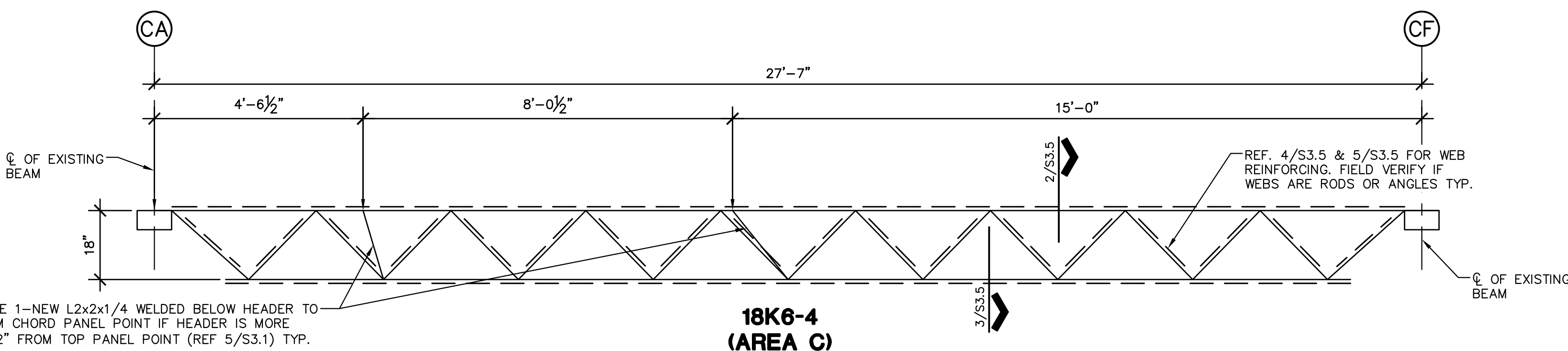
2 TYPICAL TOP CHORD REINFORCEMENT



3 TYPICAL BOTTOM CHORD REINFORCEMENT



4 TYPICAL ROD WEB MEMBER REINFORCEMENT



5 TYPICAL ANGLE WEB MEMBER REINFORCEMENT

1 EXISTING JOIST REINFORCING PROFILES

1/2" = 1'-0" AREA C

NOTES:

- ALL EXISTING JOIST REINFORCEMENT PROFILES ARE SCHEMATIC AND PROVIDED FOR PRICING PURPOSES. ALL DIMENSIONS AND JOIST WEB LAYOUTS WILL NEED TO BE FIELD VERIFIED AFTER EXISTING JOIST ARE EXPOSED IN THE FIELD.
- GENERAL CONTRACTOR WILL NEED TO CONTACT GRA TO SCHEDULE FIELD OBSERVATIONS TO OBSERVE EXISTING BAR JOIST AT NEW RTU LOCATIONS. CONTRACTOR WILL NEED TO PROVIDE A LIFT OR LADDERS ON SITE TO BE USED AS DIRECTED BY GRA PERSONNEL TO GAIN ACCESS TO EXISTING BAR JOIST.
- ONCE GRA HAS ANALYZED THE EXISTING BAR JOIST, THE JOIST REINFORCEMENT JOIST PROFILE ON 1/S3.5 WILL BE REVISED AS REQUIRED, INCORPORATING REPAIR DETAILS 2-5/S3.5.

IDEA PHARR



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