

**ADDENDUM No. 2**

June-16-2015

**PROJECT**

New Claims Center for Fred Loya Insurance

**ARCHITECT**

Live Arch  
EL PASO, TEXAS

**OWNER**

Fred Loya Insurance  
El Paso, Texas

This addendum forms a part of the Contract Documents and modifies the original specifications and drawings for New Claims Center for Fred Loya Insurance. Careful note of this addendum shall be taken by all interested parties, and all trades affected shall be fully advised as to their performance of the work involved.

**Bid Date has been extended from Thursday June 18, 2015 at 2:00 pm to Tuesday June 23, 2015 at 2:00 pm.**

**1. SPECIFICATIONS**

**1.1** Approved equal products/manufacturers for Section 075419 – Thermoplastic Membrane Roofing Fully Adhered :

- Carlisle Syntec Systems

**1.2** Approved equal products/manufacturers for Section 07415 - Standing Seam Metal Roof System:

- Carlisle Syntec Systems.

**1.3** Division 9 – Replace specification Section 09 77 14 - Wood Veneer Wall Panels

**1.4** Division 9 – Add attached specification section 095000-Wood Panel Ceilings.

**1.5** Division 14 – Add attached specification section 095000-Wood Panel Ceilings-Linear.

## **2. CONSTRUCTION DOCUMENTS**

**2.1** Replace Structural Sheets: S-1, S-3, S-4, S-5 & S-8 with attached revised drawings.

The changes are:

- Depressed Floor Access areas.
- Front Door Canopy.
- Metal Stair Details.

**2.2** Replace Plumbing Sheet: P2.0 with attached revised drawings.

## **3. CLARIFICATIONS**

3.1 See Attached Structural RFI for more information.

3.2 General Contractor shall visit and field verify existing conditions. Contractor is responsible for any demolition required to prepare site for new construction.

3.3 All interior gypsum board walls shall be finished to level 5. Omit paragraph 3.12.

3.4 Sheet A6.0, detail 1; Provide gypsum board furr-down from ceiling to top of Gird at grid line 3 & 7.

3.5 All Lay-In ceiling to be 2 x 2.

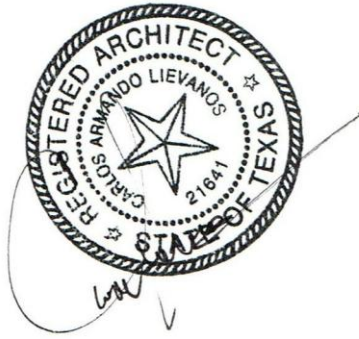
3.6 Wall type "B" to receive R-19 Batt Insulation and/or equivalent.

3.7 Drywall within the offices shall extent to the bottom of deck.

3.8 Provide Gypsum board soffit over refrigerators, vending machines & cabinets alcoves at Break Room 126

3.9 E.I.F., Vapor Barrier & moisture drainage at clerestory to be installed as per manufacturer recommendations.

3.10 Omit Versaglo paint for exterior concrete wall panels and provide Two coats: VERSASATIN, Latex Satin Low Sheen Enamel (W6250).



DATE: 06/16/2015

Bidders are required to acknowledge this addendum on the proposal form  
or by email prior to the bid opening.

\*\*\*\*\*

\*\*\*\*\*

Addendum Number Two (2) received.

**END OF ADDENDUM No. 2**



**SUBSTITUTION REQUEST FORM**  
Please review Section 1630 prior to application

The undersigned requests that the following product be accepted for use in the Project.

Product: MEMBRANE ROOFING Model No.: \_\_\_\_\_

Manufacturer: CARLISLE SYNTEC

Address: P.O BOX 7000, CARLISLE PA 17013

The above product would be used in lieu of:

Product: BERRIDGE MANUFACTURING

Specified in: Section: 07415 Paragraph: \_\_\_\_\_

Reason for substitution request: Material Pricing, Material handling experience, manufacturer support and quality assurance. All inclusive NDL warranty to include metal roofing products and underlayments.

Attached are the following items: **MEMBRANE AND METAL ROOF NDL WARRANTY UNDER ONE MANUFACTURER.**

- Product description including specifications, performance and test data, and applicable reference standards
- Drawings
- Photographs
- Samples
- Tabulated comparison with specified product
- For items requiring color selections, full range of manufacturer's color samples
- Documentation of reason for request.
- Cost data for comparing proposed substitution with specified product
- Other: \_\_\_\_\_

The undersigned certifies that the following statements are correct. Explanations for all items which are **not** true are attached.

1. Proposed substitution has been thoroughly investigated and function, appearance, and quality meet or exceed that of specified product.  True  False
2. Same warranty will be provided for substitution as for specified product.  True  False
3. **No** aspect of Project will require re-design.  True  False
4. Use of substitution will **not** adversely affect:
  - a. Dimensions shown on Drawings.  True  False
  - b. Construction schedule and date of completion.  True  False
  - c. Work of other trades.  True  False

- 5. Maintenance service and replacement parts for proposed substitution will be readily available in the New Mexico area.  True  False
- 6. Proposed substitution does not contain asbestos in any form.  True  False
- 7. All changes to Contract Sum related to use of proposed substitution are included in price listed below. Contractor waives claims for additional costs related to acceptance of substitution which may subsequently become apparent.  True  False
- 8. Costs of modifying project design caused by use of proposed substitution which subsequently become apparent will be paid for by Contractor.  True  False

If substitution requested after signing of Agreement between Owner and Contractor is accepted:

Contract Sum will be [decreased] [increased] by \$ \_\_\_\_\_

Contract Time will be [decreased] [increased] by \_\_\_\_ calendar days.

Submitted By:

Company: ROOF TOPPERS INC.

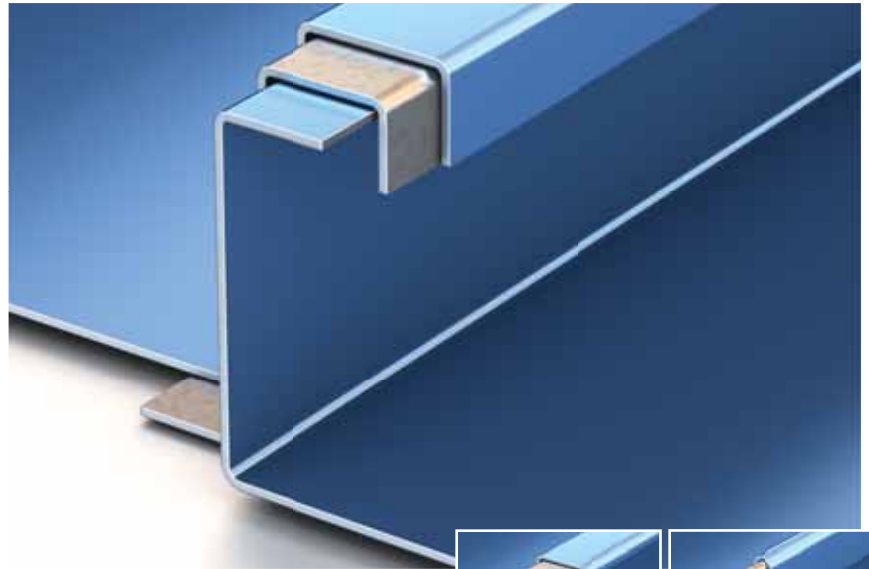
Address: 12200 EL CARACOL CLINT, TX 79836

Telephone Number: 915-775-3539

Name: ALEXANDER GONZALEZ Date: 6/15/2015

Signature: ALEXANDER GONZALEZ

The versatility of the CM 200S roof system makes it an ideal choice for low- to steep-slope applications. Engineered to handle heavy-duty commercial and industrial projects, this 2" mechanically seamed structural metal roof system will meet or exceed most wind load and government requirements from coast to coast. Concealed fasteners and floating clip systems reduce panel stress from changes in temperature and help maintain a smooth, uniform appearance. This product can also be curved for large barrel roofs or small canopies.



Single lock panel



Double lock panel

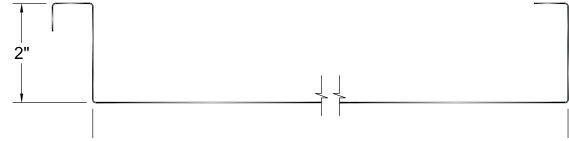


## Available Widths:

12", 14", 16", or 18"\*

\*Carlisle Metal Products design pressures, wind uplifts, and test reports are for specific deck attachments, material gauges, clip spacing, and panel widths.

A complete specification and listing is available online at [www.carlislemetalproducts.com](http://www.carlislemetalproducts.com)



## Available Substrates:

- Galvalume® – .022" and .024"
- Drexlume® – .022" and .024"
- Aluminum – .040"



## Finishes and Product Warranty:

This material is available in a variety of coatings and colors by AkzoNobel. Refer to the Carlisle Metal Products color card for standard colors and paint specifications.



**Galvalume Substrate:**  
High-performance painted metal roofing product, carefully tension-leveled for superior flatness.

**35 YEAR WARRANTY**  
35-Year Non-Prorated PVDF Paint Warranty

**Aluminum Substrate:**  
High-performance painted metal roofing product, carefully tension-leveled for superior flatness.

**35 YEAR WARRANTY**  
35-Year Non-Prorated PVDF Paint Warranty

**Drexlume Substrate:**  
Mill finished Galvalume with a two-sided, clear acrylic finish.

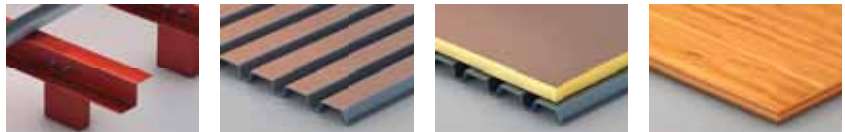
**25 YEAR WARRANTY**  
25-Year Non-Prorated Drexlume Warranty (Acrylic-Coated Galvalume)

## Production Options:

Factory-made or field-rolled to exact lengths Optional: striation, beads, pencil ribs Available: Radius panel (single or double lock).

## Installation:

This material can be installed over open frame steel purlins, steel decking, steel decking with polyiso, or



## Slope:

Minimum Slope 1/2:12



Minimum Roof Pitch:  
1/2:12 – low roof pitch

## Allowable Uniform: Inward Load Table – psf

Span	Deflection Ratio L/180						
	2.00	2.50	3.00	3.50	4.00	5.00	5.00
24 ga x 16"	251	201	145	108	83	66	53

## Outward Load Table – psf

Span	Deflection Ratio L/180						
	2.00	2.50	3.00	3.50	4.00	5.00	5.00
24 ga x 16"	106	95	83	72	60	49	37

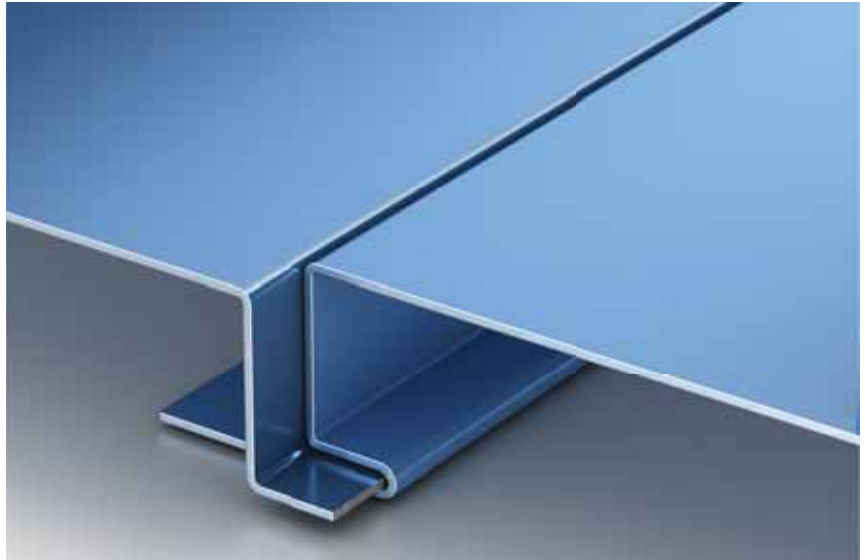
## Testing:

In accordance with:



- UL 580 Wind Uplift (Class 90)
- TAS 125 Wind Uplift
- UL 1897 Extended Phase Wind Uplift
- UL 2218 Class 4 Hail Impact
- UL 790 Class A Fire Rating
- UL Environmental – SRI Third-Party Verified
- ASTM E592 Uniform Static Air Pressure Uplift
- ASTM E1646 Water Infiltration
- TAS 100 Wind Driven Rain
- ASTM E1680 Air Infiltration
- ASTM E1886 Missile Impact
- ASTM 2140 Static Pressure Water Head
- Miami-Dade County Approved
- Florida Building Code Approved
- Texas Department of Insurance Approval

The CM FW1 Flush Wall and Soffit panel is ideally suited for a wide range of applications, including fascias, walls, equipment screens, and soffits. The concealed male and female connection achieves a distinctly superior finished look and stiffener beads can be used to further safeguard the flush appearance.





**CARLISLE**  
**WIP 300HT**  
WATER & ICE PROTECTION HIGH-TEMPERATURE PROTECTION

WIP 300HT is a high-tensile-strength rubberized asphalt underlayment specifically designed to withstand temperatures up to 250°F (121°C). Ideal for use under metal including copper, zinc and COR-TEN® (consult technical department for installation instructions), WIP 300HT can also be used under synthetic tiles and asphalt shingles. This strong, skid-resistant membrane is available in either black or white and provides superior protection from water penetration caused by wind-driven rain and ice dams.

## Features and Benefits

- Protects the roof structure from water seepage caused by ice dams and wind-driven rains
- Resists temperatures up to 250°F without degradation of the adhesive
- Seals around roofing nails, staples and screws
- Bonds directly to the roof substrate for fast and easy installation without the need for additional adhesives
- Split-release film provides easier, faster installation
- Resists cracking, drying and rotting, providing long-term waterproofing performance and low lifecycle cost
- Concealed waterproofing system will not detract from the architectural aesthetics of the primary roofing system
- Exposed rubberized asphalt bead along the membrane edge ensures watertightness of lap seams

## Standards

- UL Classified
- ICC-ES ESR #2206
- 2009 International Building Code™
- State of Florida Approved Product FSA# FL6782
- Meets ASTM D1970

## Storage

WIP 300HT roofing underlayment rolls should be stored on end, under cover and in areas where the temperature is between 40° and 100°F (4.4° and 38°C). Do not double-stack pallets.

## Warranty

Carlisle WIP products are backed by Carlisle's industry-leading warranty. Visit our website for warranty details.



## Installation

WIP 300HT underlayment is applied when the roof deck is dry and the substrate temperature is 40°F (4.4°C) or higher. At temperatures below 40°F, nailing or priming should be used to temporarily hold the membrane in place while adhesion develops. WIP 300HT is designed to be covered with the primary roofing system and should not be exposed to sunlight for more than 60 days. White underlayment offers exposure time of 120 days.

### Moisture

Substrate must be free of any moisture. If moisture is present, it may inhibit adhesion.

### New Construction

Prepare the roof deck by removing all loose objects, dirt, dust and debris.

### Re-roofing

Remove all old materials from the roof deck in the area to be covered with WIP 300HT underlayment. Replace water-damaged sheathing and sweep roof deck thoroughly.

### Priming

Priming is not required on clean, dry wood or metal surfaces but concrete masonry, exterior gypsum board and polyisocyanurate insulation should be primed using the appropriate primer or adhesive. Adhesives such as CCW-702 and CAV-GRIP™ are appropriate and required when temperatures are below 40°F.

### Valleys, Hips & Ridges

Cut WIP 300HT roofing underlayment into manageable lengths. Align over the center of the valley, hip or ridge. Remove release film. Press the middle of the membrane first before working toward the edges. For open valleys, cover WIP 300HT roofing underlayment with metal valley liners.

### Eaves & Rakes

Cut WIP 300 HT underlayment into 10–15' pieces. Remove 2–3' of release film and align the edge of the membrane, sticky side down, so it overhangs the drip edge by 3/8" (10 mm). Continue to remove release film and press as you move across the roof. Use a hand roller and/or hand pressure to press into place. Overlap end laps a minimum of 6". WIP roofing underlayment should reach a point 2' inside the interior wall line. Local codes may require additional courses. If additional courses are required, the top lap must be at least 3 1/2".

### Drip Edges

At the rake edge, apply WIP 300HT underlayment first and place drip edge on top. At the eave, apply drip edge first and place WIP underlayment on top of the drip edge so that it overhangs drip edge by 3/8" (10 mm).

For standard installation details, follow the WIP detail drawings. For non-standard installation instructions, contact your local Carlisle Residential representative.

## Metal Roof Underlayment

Under water-shedding metal roof systems or low-slope metal roofs with a minimum 1/2" slope, start at the low point and apply WIP 300HT over the full surface of the roof deck. Review the metal roofing manufacturer's instructions for limitations and precautions. Beginning at the eaves, apply underlayment from the low point to the high point of the roof, running the roll horizontally.

## Limitations

- WIP 300HT should be installed when air, roof deck and membrane temperatures are at or above 40°F (4.4°C).
- WIP 300HT should not be left exposed to sunlight for more than 60 days for black membrane or 120 days for white membrane.
- WIP 300HT membrane should not be folded over the roof edge unless protected by a gutter or other flashing materials.
- The primary roof system must be ventilated to prevent excessive moisture build-up in the interior structure.
- Use caution during the installation of the membrane as it may become slippery when wet or covered with frost.
- WIP 300HT must not be used in contact with flexible PVC material.

## PRODUCT SPECIFICATIONS

PRODUCT SPECIFICATIONS		
<b>PHYSICAL PROPERTIES</b>		
Surface	Black/White Engineered Polyolefin Composite Film with Factory-applied Anti-skid Coating	
Membrane	Rubberized Asphalt	
<b>PRODUCT CHARACTERISTIC</b>	<b>UNITS</b>	<b>RESULTS</b>
Roll Length	feet	66
Roll Weight	lbs	55
Roll Size	sq/ft	198
Roll Width	inches	36
<b>TYPICAL PERFORMANCE PROPERTIES</b>	<b>TEST METHOD</b>	<b>RESULTS</b>
Thickness	ASTM D1970	40 mils
Low Temperature Flexibility	ASTM D1970	-45°F
Adhesion to Plywood at 75°F	ASTM D1970	35 lbs/ft
Lap Seam Adhesion at 75°F	ASTM D1970	21 lbs/ft
Sealability Around Nail	ASTM D1970	Pass
Slip Resistance	ASTM D1970	Pass
Thermal Stability	ASTM D1970	Pass
Moisture Vapor Permeance	ASTM D1970	0.02 perms
Water Absorption	ASTM D1970	0.5%
Tensile Strength Machine Direction	ASTM D412	250 psi
Tensile Strength Transverse Direction	ASTM D412	1390 psi
Elongation at Break Machine Direction	ASTM D412	250%
Elongation at Break Transverse Direction	ASTM D412	170%
<b>PACKAGING INFORMATION</b>		
Boxes (rolls) per pallet		25



1285 Ritner Highway Carlisle, PA 17013 1-800-453-2554 Fax 1-717-960-4485 [www.carlislemetalproducts.com](http://www.carlislemetalproducts.com)

**20-YEAR SINGLE SOURCE NO DOLLAR LIMIT  
WEATHER TIGHTNESS LIMITED WARRANTY AGREEMENT**

**Warranted Building:** \_\_\_\_\_  
**Address:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

**Building Owner:** \_\_\_\_\_  
**Address:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

**General Contractor:** \_\_\_\_\_  
**Address:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

**Panel Manufacturer:** \_\_\_\_\_  
**Address:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

**Installation Contractor:** \_\_\_\_\_  
**Address:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

Area of Metal Roof: \_\_\_\_\_ Square Feet:

Date of Completion: \_\_\_\_\_

Type of Product Approved and Applied: \_\_\_\_\_

**WARRANTY PROVISIONS FOR MATERIAL AND WORKMANSHIP**

Carlisle Metal Products, a Delaware corporation (hereinafter "CMP") hereby severally warrants to the Building Owner identified above (hereinafter "the Owner") that, subject to each and every item, condition, limitation and allocation of warranty and responsibility stated herein, for a period of twenty (20) years commencing with the date of completion of installation of the roofing system identified above (hereinafter "roofing system), should leaks develop in the roofing system due solely to defects in the material provided by CMP, manufacturing defects, ordinary wear and tear by the elements or workmanship on the part of the Installation Contractor, then CMP alone shall be responsible for all cost of the repairs necessary to return the roofing system to a water tight condition. This Warranty will be fully satisfied by repair of the roofing system, and any such repairs shall carry a warranty against leaks only for the then remaining balance of the original 20-year Warranty period. This Warranty only covers those leaks that have been reported to CMP in writing within thirty (30) days of discovery by the Owner.

CMP MAKES NO OTHER WARRANTY WHATEVER EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE. ALL WARRANTIES WHICH EXCEED, DIFFER FROM OR EXTEND BEYOND THOSE EXPRESSLY PROVIDED HEREIN ARE DISCLAIMED BY EACH AND ALL THE PARTIES HERETO AND ARE EXCLUDED FROM THIS 20-YEAR WEATHER TIGHT LIMITED WARRANTY. IN NO EVENT SHALL CMP HAVE ANY LIABILITY FOR COMMERCIAL LOSS, CLAIMS FOR LABOR, CONSEQUENTIAL DAMAGES OR LOSS TO THE BUILDING, ITS CONTENTS OR ITS OCCUPANTS, OR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY TYPE, WHETHER THE OWNER'S CLAIM BE BASED IN CONTRACT, TORT WARRANTY, STRICT LIABILITY OR ON ANY OTHER THEORY OR CAUSE OF ACTION. ALL RIGHTS, OBLIGATIONS, REMEDIES AND LIABILITIES OF THE PARTIES HERETO RELATING TO OR ARISING FROM CLAIMS OF DEFECTIVE GOODS AND/OR WORKMANSHIP SHALL BE GOVERNED EXCLUSIVELY BY THE TERMS OF THIS 20-YEAR WEATHER TIGHT LIMITED WARRANTY AND THOSE TERMS MAY NOT BE MODIFIED OR AMENDED ORALLY. IT IS EXPRESSLY AGREED THAT THE OWNER'S REMEDIES EXPRESSLY PROVIDED HEREIN ARE THE OWNER'S EXCLUSIVE REMEDIES.

**EXCLUSIONS**

This Limited Warranty shall apply only to roofing systems installed in areas of normal atmospheric exposure and specifically does not cover leaks caused in whole or in part by the following:

1. Marine (salt water) atmosphere or regular spray of either salt or fresh water. If an Aluminum roof system is installed, the Substrate Warranty guide lines and Maintenance Instructions must be followed as stated in the Non-Prorated 35- Year Paint and Aluminum Substrate Warranty to avoid exclusion.
2. Exposure to or fallout from corrosive chemicals, ash or fumes from any chemical plant, foundry, plating works, kiln, fertilizer manufacturing plant, paper manufacturing plant or the like. Any harmful or corrosive substance or any condensate contained within or generated or released from inside the building.
3. Vent pipe flashing manufactured from rubber based products.
4. Any condensation or corrosion which is or was caused at any time, in part or in whole, as a result of (a) the use of an inadequate vapor barrier (perm rating of 0.5 or less with sealed joints and perimeter) when the insulation is installed immediately beneath the roof panels and/or (b) inadequate ventilation of the attic space between a roof panel and insulation when the installation is installed directly on top of an existing roof.
5. Worker traffic on the roof, other than traffic during the course of installation.
6. Hail, fire, lightning, gale force winds, hurricane, tornado, earthquake or any other act of God.
7. Alterations such as, but not limited to, the placement of structures, fixtures or utilities upon or to the roof without prior written authorization from CMP.
8. Repairs performed to the roof and/or materials furnished with regard to such repairs by an entity or entities other than CMP or a CMP Certified Installation Contractor.
9. Failure by the Owner or any lessee or other occupant or user of the Building to take reasonable care in maintaining the roof system, such as, but not limited to, failure to clean the gutter, valleys, etc., so as to allow water to run off without interruption.
10. Faulty building design or construction.
11. Birds, vermin, rodents, insects or other animals or pests.
12. Settlement, failure or cracking of the roof deck, walls or foundation of the Building, or defects or failures of coping gravel-stop due to cracking of walls or any part of the building structure.
13. Any other event, occurrence or cause beyond the control of CMP.
14. Failures due to the use of fasteners other than stainless steel and without an adequate barrier, that comes in contact with Pressure Treated/ACQ Treated Lumber.

In addition, CMP shall have no liability or responsibility under or in connection with this Warranty if the Installation Contractor or any subcontractor fails to use all roof curbs, roof jacks, sealants, mastics, sub-framing, roof panels, clips, fasteners, and flashings provided by CMP or approved or required by CMP, nor shall CMP have any liability or responsibility under or in connection with this Warranty if the Installation Contractor fails to follow CMP's standard recommended installation instructions for the layout, design and erection of the roofing system, or if the roofing system is constructed in such a manner as not to permit proper drainage of water from all surfaces, but rather to permit standing or ponding water.

**NOTICE OF CLAIMS AND GENERAL PROVISIONS**

All claims hereunder must be submitted in writing to CMP within the Warranty Period and within thirty (30) days of discovery of any leak in the roofing system. Failure of the Owner to do so shall automatically relieve CMP of any and all responsibility and/or liability under this 20-Year Weather Tightness Limited Warranty. Upon receipt of a warranty claim, in writing from the owner, CMP will send a representative to the location specified for an inspection of the roof. If during CMP's inspection CMP determines that the leak or leaks in the roof are not covered by this Warranty, the party requesting CMP's inspection shall be liable for all direct expenses incurred by CMP to conduct the roof inspection.

**FAILURE TO FOLLOW THESE GUIDELINES MAY VOID THIS WARRANTY AND RELIEVE CMP OF ANY AND ALL RESPONSIBILITY AND/OR LIABILITY UNDER THE TERMS OF THE WARRANTY.**

All notices given pursuant to this Warranty shall be in writing and sent by certified mail, return receipt requested, to CMP at the following address:

**Carlisle Metal Products**  
Technical Department  
1285 Ritner Highway  
Carlisle, PA 17013

During the term of this Warranty, CMP and the Installation Contractor, their sales representatives and employees, shall have free access to the roof during regular business hours upon reasonable notice to the Owner. Notwithstanding any other provision contained herein, CMP shall not have any liability or responsibility under this Warranty for any roofing products or materials that were not supplied by CMP and this Warranty applies only to those portions of the roofing system which was constructed solely with products and materials supplied by CMP.

This document constitutes the entire Warranty made by CMP. No modification or amendment to this Warranty shall be binding on CMP unless made in writing and signed by a CMP authorized representative. The terms, conditions and provisions contained in this Warranty may be waived only in writing and signed by a CMP authorized representative. No oral statements, course of conduct, or course of dealing shall be deemed or constitute a waiver.

The invalidity or unenforceability of any provisions of the Warranty shall not affect the enforceability and validity of any remaining provisions, and this Warranty shall be construed in all respects as if the invalid or unenforceable provisions were omitted.

This Warranty is tendered for the sole benefit of the Owner identified above and is not transferable or assignable. CMP shall not have any obligation under this Warranty unless all invoices for materials, installation and services have been paid in full by or on behalf of the Owner.

CMP's failure at any time to enforce any of the terms or conditions of this Warranty shall not be deemed or construed as a waiver of any provision herein or of the ability to exercise their rights in the future in accordance with this Warranty. This Warranty shall be governed by and enforced in accordance with the laws of the Commonwealth of Delaware.

Executed this: \_\_\_\_\_ Day of \_\_\_\_\_, 2011

**Carlisle Metal Products**  
**1285 Ritner Highway**  
**Carlisle, PA 17013**

BY: \_\_\_\_\_ ATTEST: \_\_\_\_\_  
Title: \_\_\_\_\_

**BUILDING OWNER:**

BY: \_\_\_\_\_ ATTEST: \_\_\_\_\_  
Title: \_\_\_\_\_

SAMPLE



METAL PRODUCTS  
SUBSTRATE WARRANTY

**DREXMET® COATED COIL**

**NON-PRORATED 35-YEAR PAINT and ALUMINUM SUBSTRATE WARRANTY  
FROM DATE OF INSTALLATION**

**Date:**

**Parties:** Carlisle Metal Products extends the following limited warranty to:

**Invoice #:**

**Carlisle Metal Products Contractor:**

**Address:**

**Project Owner:**

**Project Name:**

**Address:**

concerning sales of PVDF (Polyvinylidene Fluoride) painted coil, which will be fabricated into components for, pre-painted metal roofing and metal buildings.

**Coverage:**

This anti-weathering warranty applies to flat sheets and coils identified on offerings and invoices from Carlisle Metal Products, therefore eligible to be covered under this warranty and is used by fabricator within six months of invoicing. It applies to metal buildings installed in the continental United States.

**Terms:**

Although it is recognized by the owner, fabricator and Carlisle Metal Products that most coatings will fade and change in appearance to some degree over a period of time in outdoor installations, and that some changes may not be uniform between surfaces not equally exposed, Carlisle Metal Products warrants that the goods covered by this warranty will resist natural weathering to the extent that they will conform to the manufacturer's performance standards for thirty-five (35) years following field installation, provided all conditions of this warranty are first met:

1. TRINAR® will not peel, crack, check, or flake to an extent that is apparent on ordinary outdoor visual observation; and

2. Vertical installations of TRINAR® will not change color more than 5 NBS (Hunter) units, and non-vertical installations will not change color more than 7 NBS (Hunter) units following field installation. Color measurements are to be made per ASTM D 2244 and only on clean surfaces after removing surface deposits and chalk per ASTM D 3964; and

3. Vertical installations of TRINAR® will not chalk more than a number 8 rating, and non-vertical installations will not chalk more than a number 6 rating, when measured per ASTM D-4214, Method A.

### **Term of Warranty:**

This is a non-prorated limited warranty for paint finish only for a period of 35 years from date of installation.

### **Substrate Warranty:**

1. 25-year Substrate warranty in effect from date of installation for projects within 2,800 feet of a coastal environment containing salt.
2. 30-year Substrate warranty in effect from date of installation for projects greater than 2,800 feet of a coastal environment containing salt.

### **Maintenance:**

On pre-painted aluminum material installed less than 2,800 feet from a coastal environment including salt water and/or brackish water, an annual maintenance must be performed by the building owner or management team including a fresh water rinse of all the components of the roof system, soffits and eaves. This maintenance program will be based on a job specific project and shall be in accordance with AAMA guidelines. It is the building owner or management team's responsibility to maintain records to provide evidence that annual maintenance has been completed and such records must be given to Carlisle Metal Products upon request. Carlisle Metal Products will provide cleaning instructions and guidelines that should be followed to maintain your Carlisle Metal Products SSMRS. The use of Drexmet™ Clear Edge Protection will also be required during installation of your Carlisle Metal Products SSMRS.

The application, use, and fabrication of the product covered by this warranty is at the discretion of persons other than employees or officers of Carlisle Metal Products and Carlisle Metal Products accepts no claims to applicability or installation

This is an anti-weathering limited warranty and does not apply to other causes of failure, including:

Coils or fabricated parts which have suffered scratching or abrasion or impact by a hard object, are stored at any time prior to field installation contrary to storage instructions as issued by Carlisle Metal Products; are stored or installed in a way which allows standing water on the coating or which occurs in any chemically aggressive environment containing salts or other chemicals, whether naturally occurring or caused by man; are stored or installed in an environment that includes a high degree of humidity, sand, dirt or grease, whether naturally occurring or caused by man; has suffered any damage caused by acts of God, radiation, falling objects, explosion, or other external forces, including conditions which develop between the coating and the metal which cause the coating to degrade.

### **Exclusion of other Warranties:**

This limited warranty is exclusive and is in lieu of any warranty of merchantability, fitness for a particular purpose, or other warranty of quality, whether expressed or implied, and whether written or oral. Corrections of non-conformities in the manner and for the period of time provided herein shall constitute fulfillment of all liabilities of Carlisle Metal Products with respect to or arising out of the goods whether based on contract, negligence, strict liability in tort, or otherwise.

### **Other Conditions:**

This limited warranty does not apply to the following conditions: areas subject to water run-off from lead or copper flashings or areas in metallic contact with lead or copper; areas sheltered from periodic washing by natural rainfall such as underside eaves and soffits; conditions and circumstances where corrosive fumes or condensates are generated or released inside the building; or forming where the bend is tighter than 2T for sheet thicknesses up to 0.030" (0.75mm) and tighter than 4T for sheet thicknesses 0.031" (0.76mm) and thicker; the slope of the roof or sections of the roof being flatter than 1/4; 12; forming which involves severe reverse bending or which subjects the coating to alternate compression and tension; failure to provide free drainage of water, including internal condensation, from overlaps and all other surfaces of the sheets or panels; failure to remove debris from overlaps and all other surfaces of sheets and panels; damage to the coating caused by contact with green or wet lumber; wet storage stain caused by water damage or from condensation; presence of damp insulation or other corrosive materials in contact with or close proximity to sheets or panels; deterioration of sheets or panels caused directly or indirectly by contact with fasteners (the selection of suitable long-lasting fasteners to be used rests solely with the Buyer).



Carlisle Metal Products recommends that there be a systematic fresh water rinse maintenance program in effect in the areas of salt concentration (such as adjacent to the seashore and/or industrial atmospheres) so as to prevent the accumulation of concentrated mineral deposits.

**SAMPLE WARRANTY**

## **Stipulations and Limitations for Remedy**

Carlisle Metal Products liability for breach of this warranty shall be limited exclusively to the cost of either repairing non-conforming sheets or panels or, at Carlisle Metal Products sole option of furnishing F.O.B. Buyer's plant, sufficient sheet product to enable Buyer to fabricate replacement panels for the non conforming panels.

1. Carlisle Metal Products shall not in any event be liable for the cost of labor expended by others on any non-conforming sheets or panels or for any special, indirect or consequential damages to anyone by reason of the fact that such sheets or panels shall have been non-conforming.
2. Claims must be promptly reported in writing to Carlisle Metal Products and Carlisle Metal Products shall be given a reasonable opportunity to inspect the sheets or panels claimed to be non-conforming. Adequate identification of the material involved in the claim, including the date of installation, order number, coil number, invoice number and date of shipment must be established by the Buyer.
3. Buyer shall exercise diligence in the inspection of material as received from Carlisle Metal Products so as to mitigate repair or replacement.
4. Carlisle Metal Products extends this warranty solely to the owner. This warranty is non-transferable and non assignable.
5. Carlisle Metal Products reserves the right to terminate this warranty at any time (except as to orders already accepted) upon giving of written notice thereof.
6. All warranty disputes will be settled under applicable laws of Pennsylvania, County of Bucks.
7. This Warranty becomes effective only upon presentation of paid invoices from contractor/owner to manufacturer/installer and to Carlisle Metal Products. In no event will future claims be honored if the above payments have not been made.

CARLISLE METAL PRODUCTS MAKES NO GUARANTEES, EITHER EXPRESSED OR IMPLIED BEYOND THE FACT HEREOF; INCLUDING, WITH LIMITATION, WARRANTIES OF FITNESS AND MERCHANTABILITY AND SHALL HAVE NO OTHER LIABILITY WITH RESPECT THERETO.

***Carlisle Metal Products***

---

\_\_\_\_\_  
*DATE*



**SUBSTITUTION REQUEST FORM**  
Please review Section 1630 prior to application

The undersigned requests that the following product be accepted for use in the Project.

Product: MEMBRANE ROOFING Model No.: \_\_\_\_\_

Manufacturer: CARLISLE SYNTEC

Address: P.O BOX 7000, CARLISLE PA 17013

The above product would be used in lieu of:

Product: SIKA SARNAFIL

Specified in: Section: 07 54 19 Paragraph: \_\_\_\_\_

Reason for substitution request: Material Pricing, Material handling experience, manufacturer support and quality assurance. All inclusive NDL warranty to include metal roofing products and underlayments.

Attached are the following items: CARLISLE SYNTEC will honor 10yr material warranty extension as specified.

- Product description including specifications, performance and test data, and applicable reference standards
- Drawings
- Photographs
- Samples
- Tabulated comparison with specified product
- For items requiring color selections, full range of manufacturer's color samples
- Documentation of reason for request.
- Cost data for comparing proposed substitution with specified product
- Other: \_\_\_\_\_

The undersigned certifies that the following statements are correct. Explanations for all items which are **not** true are attached.

1. Proposed substitution has been thoroughly investigated and function, appearance, and quality meet or exceed that of specified product.  True  False
2. Same warranty will be provided for substitution as for specified product.  True  False
3. **No** aspect of Project will require re-design.  True  False
4. Use of substitution will **not** adversely affect:
  - a. Dimensions shown on Drawings.  True  False
  - b. Construction schedule and date of completion.  True  False
  - c. Work of other trades.  True  False

- 5. Maintenance service and replacement parts for proposed substitution will be readily available in the New Mexico area.  True  False
- 6. Proposed substitution does not contain asbestos in any form.  True  False
- 7. All changes to Contract Sum related to use of proposed substitution are included in price listed below. Contractor waives claims for additional costs related to acceptance of substitution which may subsequently become apparent.  True  False
- 8. Costs of modifying project design caused by use of proposed substitution which subsequently become apparent will be paid for by Contractor.  True  False

If substitution requested after signing of Agreement between Owner and Contractor is accepted:

Contract Sum will be [decreased] [increased] by \$ \_\_\_\_\_

Contract Time will be [decreased] [increased] by \_\_\_\_ calendar days.

Submitted By:

Company: ROOF TOPPERS INC.

Address: 12200 EL CARACOL CLINT, TX 79836

Telephone Number: 915-775-3539

Name: ALEXANDER GONZALEZ Date: 6/15/2015

Signature: ALEXANDER GONZALEZ

# Sure-Flex™ PVC

## Membrane



### Overview

Carlisle's Sure-Flex PVC is an advanced-formula, heat-weldable PVC thermoplastic membrane that is designed for long-term weatherability and performance. The physical properties of the membrane are enhanced by a tenacious, weft-inserted polyester fabric that is encapsulated by thick PVC-based top and bottom plies. The smooth surface of the PVC membrane allows for a total-surface fusion and permanent weld, creating a consistent, watertight, monolithic roof assembly. PVC can be used in adhered and mechanically fastened systems. The gray-colored bottom ply provides a visual confirmation of a proper weld during the lap welding process.

### Features and Benefits

- » Wide choice of membrane sizes, thicknesses and colors
- » Enhanced chemical resistance
- » Energy efficiency
- » Wide window of weldability
- » Flexibility in low temperatures
- » Impact and puncture resistance
- » UV, ozone and oxidation resistance
- » Easy installation

### Installation

With minimal labor and few components required, PVC is quick and easy to install. PVC systems are installed using an Automatic Heat Welder, making sheet welding fast, clean and consistent.

### Fully Adhered Roofing System

The fully adhered system starts with a suitable surface upon which the Low-VOC PVC Bonding Adhesive or HydroBond™ Water-Based PVC Bonding Adhesive is applied.

### Mechanically Fastened Roofing System

The mechanically fastened system starts with approved insulation being fastened with a minimum of 5 fasteners per 4' x 8' board. The PVC membrane is then mechanically fastened to the deck using HP-X™ Fasteners and Piranha Plates™, or HP-XTRA Fasteners and Piranha XTRA Plates. Adjoining sheets of PVC membrane are overlapped over the fasteners and plates and joined together with a minimum 1½"-wide hot-air weld.

*Review Carlisle specifications and details for complete installation information.*

### Precautions

- » Sunglasses that filter out ultraviolet light are strongly recommended, as the membrane's white surface is highly reflective to sunlight. Roofing technicians should dress appropriately and wear sunscreen.
- » Smooth surfaces may cause slippery conditions due to frost and ice buildup. Exercise caution during cold conditions to prevent falls.
- » Care must be exercised when working close to a roof edge when surrounding area is snow-covered, as the roof edge may not be clearly visible.
- » Use proper stacking procedures to ensure sufficient stability of the materials.
- » Exercise caution when walking on wet membrane. Membranes may be slippery when wet.
- » Store PVC membrane in the original undisturbed plastic wrap in a cool, shaded area and cover with light-colored, breathable, waterproof tarpaulins. PVC membrane that has been exposed to the weather or contaminated with dirt must be prepared with PVC Membrane Cleaner prior to hot-air welding.

# Sure-Flex PVC Membrane

## Typical Properties and Characteristics

Physical Property	ASTM D4434 Requirement	50-mil	60-mil	80-mil
Thickness over scrim, in. (mm) ASTM D4434 optical method, average of 3 areas	0.016 min (0.40)	0.017 typ (0.432)	0.025 typ (0.635)	0.030 typ (0.762)
Weight, lbs/ft <sup>2</sup> (kg/m <sup>2</sup> )	—	0.33 (1.61)	0.40 (1.95)	0.55 (2.68)
Breaking strength (MD x CD), lbf/in (kN/m)ASTM D751 grab method	200 min (35)	320 x 300 (56 x 53)	330 x 300 (58 x 55)	360 x 330 (63 x 58)
Elongation break of reinforcement (MD x CD), % ASTM D751 grab method	15 min	30 x 30	30 x 30	30 x 30
Seam strength, min. ASTM D751 grab method (% of breaking strength)	>75	PASS	PASS	PASS
Tearing strength (MD x CD), lbf (N) ASTM D751 proc. B, 8 in. x 8 in.	45 (200)	50 x 70 (222 x 311)	50 x 70 (222 x 311)	50 x 70 (222 x 311)
Low temperature bend, no cracks 5x ASTM D2136	PASS	PASS (-40°C)	PASS (-40°C)	PASS (-40°C)
Linear dimensional change, % ASTM D1204, 6 hours at 176°F	± 0.5 max	0.4 typ	0.4 typ	0.4 typ
Ozone resistance, no cracks 7X ASTM D1149, 100 pphm, 168 hrs	PASS	PASS	PASS	PASS
Water absorption resistance, mass % ASTM D570 166 hours at 158°F water	± 3.0 max	2.0 typ	2.0 typ	2.0 typ
Field seam strength, lbf /in. (kN/m) ASTM D1876 tested in peel	No requirement	25 (4.4) min 60 (10.5) typ	25 (4.4) min 60 (10.5) typ	25 (4.4) min 60 (10.5) typ
Water vapor permeance, Perms ASTM E96 proc. B	No requirement	0.10 max 0.05 typ	0.10 max 0.05 typ	0.10 max 0.05 typ
Puncture resistance - Federal, lbf (kN) FTM 101C, method 2031	No requirement	280 typ	320 typ	380 typ
Puncture resistance - Dynamic, J (ft-lbf) ASTM D5635	20 (14.7)	PASS	PASS	PASS
Puncture resistance - Static, lbf (N) ASTM D5602	33 (145)	PASS	PASS	PASS
Xenon-Arc resistance, no cracks/ crazing 10x ASTM G155 0.35 W/m <sup>2</sup> at 340nm, 63°C B.P.T. 12,600 kJ/m <sup>2</sup> total radiant exposure 10,000 hours	PASS	PASS	PASS	PASS
Properties after heat aging ASTM D3045, 56 days at 176°F Breaking strength, % retained Elongation reinf., % retained	90 min 90 min	90 min 90 min	90 min 90 min	90 min 90 min

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

## Radiative Properties for ENERGY STAR<sup>®</sup>\*, Cool Roof Rating Council (CRRC), and LEED<sup>®</sup>

Physical Property	Test Method	White PVC
ENERGY STAR – E-903 Initial solar reflectance	Solar Spectrum Reflectometer	0.87
ENERGY STAR – E-903 Solar reflectance after 3 years	Solar Spectrum Reflectometer (uncleaned)	0.61
CRRC – Initial solar reflectance	ASTM C1549	0.87
CRRC – Solar reflectance after 3 years	ASTM C1549 (uncleaned)	0.61
CRRC – Initial thermal emittance	ASTM C1371	0.95
CRRC – Thermal emittance after 3 years	ASTM C1371 (uncleaned)	0.86
LEED – Thermal emittance	ASTM E408	0.94
Solar Reflectance Index (SRI)	ASTM E1980	111

## LEED Information

Pre-consumer Recycled Content	10%
Post-consumer Recycled Content	0%
Manufacturing Location	Hillside, NJ; Mountain Top, PA; Greenville, IL
Solar Reflectance Index (SRI)	White: 111

## Supplemental Approvals, Statements and Characteristics

- » PVC meets or exceeds the requirements of ASTM D4434 Standard Specification for Poly (Vinyl Chloride) Sheet Roofing. PVC is classified as Type III as defined by ASTM D4434.

# Sure-Flex™ PVC

## Low-VOC Bonding Adhesive



### Overview

Sure-Flex PVC Low-VOC Bonding Adhesive is a high-strength solvent-based contact adhesive that allows bonding of PVC and KEE membranes to various porous and non-porous substrates. It is specially formulated using a blend of VOC-exempt and non-exempt solvents to be in compliance with the state of California Clean Air Act of 1988 (updated in 1997) and as further regulated by California's Air Quality Control Districts listing VOC limitations. This product also meets the <250 gpl VOC content requirements of the OTC Model Rule for Single-Ply Roofing Adhesives.

### Features and Benefits

- » High-strength adhesive that allows quick bonding
- » Can be easily applied with a medium nap roller
- » Provides excellent adhesion between various substrates and PVC and/or KEE membranes

### Coverage Rate

60 ft<sup>2</sup> (5.6 m<sup>2</sup>) per gallon finished surface. Coverage rates are average and may vary due to conditions on the jobsite. Porous surfaces and substrates may require more bonding adhesive than the typical coverage rate.

### Mixing

**Stir thoroughly until the adhesive is uniform in color. Minimum 5 minutes stirring is recommended.**

### Application

1. The surface on or against which adhesive is to be applied shall be clean, smooth, dry, free of fins, sharp edges, loose and foreign materials, oil and grease. Depressions greater than ¼" (6 mm) should be feathered using epoxy, mortar or other approved patching material. All sharp projections shall be removed by sweeping, blowing or vacuum cleaning.
2. After thorough stirring (minimum 5 minutes), apply PVC Low-VOC Bonding Adhesive to substrate and membrane using a 9" (229 mm) medium nap roller. Application shall be continuous and uniform, avoiding globs or puddles. An open time of 5 to 50 minutes (based on drying conditions) is recommended before assembly. PVC Low-VOC Bonding Adhesive must be allowed to dry until it does not string or stick to a dry finger touch. The membrane and substrate will be dry (non-tacky) to the finger touch. Any coated area that has been exposed to rain should be allowed to dry and then recoated. Do not apply adhesive to splice areas to be hot-air welded.
3. Roll the membrane onto the adhesive-coated substrate while avoiding wrinkles. Immediately brush down the bonded portion of the sheet with a soft-bristle push broom or a clean dry roller applicator to achieve maximum contact.

*Review Carlisle specifications and details for complete application information.*

### Precautions

- » Review the applicable Material Safety Data Sheet for complete safety information prior to use.
- » PVC Low-VOC Bonding Adhesive is **EXTREMELY FLAMMABLE**. It contains solvents that are dangerous fire and explosion hazards when exposed to heat, flame or sparks. Do not smoke while applying. Do not use in a confined or unventilated area. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at locations distant from material handling point. All containers should be grounded when material is transferred from one container to another. A red caution label is required when shipping. A fire extinguisher should be available. In case of fire, use water spray, foam, dry chemical or carbon dioxide. Do not use a solid stream of water because it can scatter and spread the fire.
- » Avoid breathing vapors. Keep container closed when not in use. Use with adequate ventilation. If inhaled, remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately. During application, efforts must

# Sure-Flex PVC

## Low-VOC Bonding Adhesive

be made to prevent fumes from entering the building via air ventilation ducts. Do not place open containers or mix adhesive near fresh air intake units. When possible, shut down or seal off the closest units.

- » If swallowed, DO NOT INDUCE VOMITING. Call a physician immediately.
- » Avoid contact with eyes. Safety glasses or goggles are recommended. If splashed in eyes, immediately flush eyes with plenty of clean water for at least 15 minutes. Contact a physician immediately.
- » Avoid contact with skin. Wash hands thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water. Contact physician if irritation persists.

Note: Permeation-resistant gloves (that meet ANSI/ISEA 105-2005) are recommended to be worn when using this product to protect hands from irritating ingredients.

- » Do not thin PVC Low-VOC Bonding Adhesive. Thinning will affect performance. Excessively thick or gelled material should be discarded.
- » Jobsite storage in excess of 90°F (32°C) may affect product shelf life. Should the PVC Low-VOC Bonding Adhesive be stored at temperatures lower than 60°F (15°C), restore to room temperature prior to use.
- » Opened containers of PVC Low-VOC Bonding Adhesive should be used within 48 hours. Adhesives will begin to thicken after this point, making it difficult and eventually impossible to control applied thickness. In hot weather, do not leave sealed containers on roof for prolonged periods of time. In cold weather, keep material at room temperature until ready to use. Stir adhesive occasionally while using.
- » Adhesive must be allowed to dry thoroughly. If membrane is mated with the substrate prior to the adhesive being dry, blistering will occur and will not subside over time.
- » KEEP OUT OF REACH OF CHILDREN.

### Typical Properties and Characteristics

Base	Synthetic rubber
Color	Pale yellow to orange to amber
Solids	23.6–29.6%
Flash Point	-4°F (-20°C) SETA
Brookfield Viscosity	1500 – 4500 centipoises
Average Net Weight	6.9–7.7 lbs/gal (0.8 – 0.9 kg/l)
Packaging	5-gal pail
Shelf Life	1 year

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

### LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
VOC Content	<250 g/l
Manufacturing Location	Carlisle, PA



# GOLDEN SEAL TOTAL ROOFING SYSTEM WARRANTY

with limited coverage for hail and accidental punctures

**SERIAL NO.:****DATE OF ISSUE:****BUILDING OWNER:****NAME OF BUILDING:****BUILDING ADDRESS:****DATE OF COMPLETION OF THE CARLISLE TOTAL ROOFING SYSTEM:****DATE OF ACCEPTANCE BY CARLISLE:**

Carlisle Roofing Systems, Inc., (Carlisle) warrants to the Building Owner (**OWNER**) of the above described building, that; subject to the terms, conditions and limitations stated in this warranty, Carlisle will repair any leak in the Carlisle Golden Seal™ Total Roofing System (**CARLISLE TOTAL ROOFING SYSTEM**) installed by a Carlisle Authorized Roofing applicator for a period of years commencing with the date of Carlisle's acceptance of the Carlisle Total Roofing System installation. However, in no event shall Carlisle's obligations extend beyond years subsequent to the date of substantial completion of the Carlisle Total Roofing System. See below for exact date of warranty expiration.

The Carlisle Total Roofing System is defined as the following Carlisle brand materials: Membrane, Flashings, Adhesives and Sealants, Insulation, Cover Boards, Fasteners, Fastener Plates, Fastening Bars, Metal Work, insulation adhesives and any other Carlisle brand products utilized in this installation.

## TERMS, CONDITIONS, LIMITATIONS

1. Owner shall provide Carlisle with written notice via letter, fax or email within thirty (30) days of the discovery of any leak in the Carlisle Total Roofing System. Owner should send written notice of a leak to Carlisle's Warranty Services Department at the address set forth at the bottom of this warranty. By so notifying Carlisle, the Owner authorizes Carlisle or its designee to investigate the cause of the leak. Should the investigation reveal the cause of the leak to be outside the scope of this Warranty, investigation and repair costs for this service shall be paid by the Owner.
2. If, upon inspection, Carlisle determines that the leak is caused by a defect in the Carlisle Total Roofing System's materials, or workmanship of the Carlisle Authorized Roofing Applicator in installing the same, Owner's remedies and Carlisle's liability shall be limited to Carlisle's repair of the leak.
3. This warranty shall not be applicable if, upon Carlisle's inspection, Carlisle determines that any of the following has occurred:
  - (a) The Carlisle Total Roofing System is damaged by natural disasters, including, but not limited to, lightning, fire, insect infestations, earthquake, tornado, hurricanes, winds of (3 second) peak gust speeds of mph or higher measured at 10 meters above ground, and hail greater than inches in diameter (as reported by the National Climatic Data Center). Carlisle shall not be responsible for any changes in appearance or surface imperfections caused by hail incidents.
  - (b) Loss of integrity of the building envelope and, or structure including, but not limited to partial or complete loss of roof decking, wall siding, windows, doors or other envelope components or from roof damage by wind-blown objects, or;
  - (c) The Carlisle Total Roofing System is damaged by any intentional or negligent acts, accidents, misuse, abuse, vandalism, civil disobedience, or the like; however, this warranty does provide limited coverage to provide for the repair of any leaks in the Carlisle Total Roofing System caused by accidental punctures (but not including punctures caused by snow removal or other trades during new construction). The extent of this limited warranty to repair punctures shall not exceed man hours per year during the life of the warranty.
  - (d) Deterioration or failure of building components, including, but not limited to, the roof substrate, walls, mortar, HVAC units, non-Carlisle brand metal work, etc., occurs and causes a leak, or otherwise damages the Carlisle Total Roofing System; or
  - (e) Acids, oils, harmful chemicals and the like come in contact with the Carlisle Total Roofing System and cause a leak, or otherwise damage the Carlisle Total Roofing System.
  - (f) The Carlisle Total Roofing System encounters leaks or is otherwise damaged by condensation resulting from any condition within the building that may generate moisture.
4. This Warranty shall be null and void if any of the following shall occur:
  - (a) If, after installation of the Carlisle Total Roofing System by a Carlisle Authorized Roofing Applicator there are any alterations or repairs made on or through the roof or objects such as, but not limited to, structures, fixtures, solar panels, wind turbines, roof gardens or utilities are placed upon or attached to the roof without first obtaining written authorization from Carlisle; or
  - (b) Failure by the Owner to use reasonable care in maintaining the roof, said maintenance to include, but not be limited to, those items listed on Carlisle's Care & Maintenance Information sheet which accompanies this Warranty.
5. Only Carlisle brand insulation products are covered by this warranty. Carlisle specifically disclaims liability, under any theory of law, for damages sustained by or caused by non-Carlisle brand insulation products.
6. During the term of this Warranty, Carlisle shall have free access to the roof during regular business hours.
7. Carlisle shall have no obligation under this Warranty while any bills for installation, supplies, service, and warranty charges have not been paid in full to the Carlisle Authorized Roofing Applicator, Carlisle, or material suppliers.
8. Carlisle's failure at any time to enforce any of the terms or conditions stated herein shall not be construed to be a waiver of such provision.
9. Carlisle shall not be responsible for the cleanliness or discoloration of the Carlisle Total Roofing System caused by environmental conditions including, but not limited to, dirt, pollutants, or biological agents.
10. Carlisle shall have no liability under any theory of law for any claims, repairs, restoration, or other damages including, but not limited to, consequential or incidental damages relating, directly or indirectly, to the presence of any irritants, contaminants, vapors, fumes, molds, fungi, bacteria, spores, mycotoxins, or the like in the building or in the air, land, or water serving the building.
11. This warranty shall be transferable upon a change in ownership of the building when the owner has completed certain procedures including a transfer fee and an inspection of the Roofing System by a Carlisle representative.

**CARLISLE DOES NOT WARRANT PRODUCTS UTILIZED IN THIS INSTALLATION WHICH IT HAS NOT FURNISHED; AND SPECIFICALLY DISCLAIMS LIABILITY, UNDER ANY THEORY OF LAW, ARISING OUT OF THE INSTALLATION AND PERFORMANCE OF, OR DAMAGES SUSTAINED BY OR CAUSED BY, PRODUCTS NOT FURNISHED BY CARLISLE OR THE PRIOR EXISTING ROOFING MATERIAL OVER WHICH THE CARLISLE TOTAL ROOFING SYSTEM WAS BEEN INSTALLED.**

**THE REMEDIES STATED HEREIN ARE THE SOLE AND EXCLUSIVE REMEDIES FOR FAILURE OF THE CARLISLE TOTAL ROOFING SYSTEM OR ITS COMPONENTS. THERE ARE NO WARRANTIES EITHER EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY, WHICH EXTEND BEYOND THE FACE HEREOF. CARLISLE SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR DAMAGE TO THE BUILDING OR ITS CONTENTS UNDER ANY THEORY OF LAW.**

BY: Robert H. McNeill

**AUTHORIZED SIGNATURE**

TITLE: Director, Technical and Warranty Services

**THIS WARRANTY EXPIRES:**

WA-F0020 (01/15)

# Armstrong World Industries, Inc.

Please understand that you are responsible for the accuracy of all project specifications, including any Armstrong guide specifications that you use.

**ARMSTRONG SHALL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE USE OF ANY OF ITS GUIDE SPECIFICATIONS.**

## SECTION 09 77 14 - WOOD VENEER WALL PANELS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

Drawings and general conditions of Contract, including General and Supplementary Conditions and Divisions-1 Specification sections apply to work of this section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Acoustical wall panels and installation components.
- B. Related Sections:
  - 1. Section 09 20 00 (09200) – Plaster and Gypsum Board
  - 2. Division 26 (16) Sections - Electrical Work
- C. Alternates
  - 1. Prior Approval: Unless otherwise provided for in the Contract documents, proposed product substitutions may be submitted no later than TEN (10) working days prior to the date established for receipt of bids. Acceptability of a proposed substitution is contingent upon the Architect's review of the proposal for acceptability and approved products will be set forth by the Addenda. If included in a Bid are substitute products which have not been approved by Addenda, the specified products shall be provided without additional compensation.
  - 2. Submittals which do not provide adequate data for the product evaluation will not be considered. The proposed substitution must meet all requirements of this section, including but not necessarily limited to, the following: Single source materials suppliers (if specified in Section 1.5); Panel design, size, composition, color, and finish; installation system component profiles and sizes; Compliance with the referenced standards.

#### 1.3 REFERENCES

- A. Test Methods:
  - 1. ASTM C 423 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
  - 2. ASTM E 84/CAN/ULC S102 Standard Test Method for Surface Burning Characteristics of Building Materials.
  - 3. CAN/ULC S102 Standard Test Method for Surface Burning Characteristics of Building Materials.

#### 1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data for each type of acoustical wall panel required.
- B. Samples: Minimum 3 inch x 3 inch samples of specified acoustical wall substrate; minimum 4 inch long samples of attachment method including trim and decorative accents.
- C. Shop Drawings: Submit shop drawings showing how panels are to be laid out on the walls, details of trim members and width of panels. Width of panels and location of vertical seams are critical.

## **1.5 QUALITY ASSURANCE**

- A. Single-Source Responsibility: Provide acoustical panel units and installation components by a single manufacturer.
- B. Fire Performance Characteristics: Identify acoustical wall components with appropriate markings of applicable testing and inspecting organization.
  - 1. Surface Burning Characteristics: As follows, tested per ASTM E 84,
    - a. Flame Spread: 25 or less
    - b. Smoke Developed: 50 or less
- C. Coordination of Work: Coordinate acoustical wall work with installers of related work including, but not limited to building insulation, gypsum board, light fixtures, mechanical systems, electrical systems, and sprinklers.

## **1.6 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver acoustical wall panels to project site in original, unopened packages and store them in a fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination, and other causes.
- B. Before installing acoustical wall panels, permit them to reach room temperature and a stabilized moisture content.
- C. Handle acoustical wall panels carefully to avoid chipping edges or damaged units in any way.

## **1.7 PROJECT CONDITIONS**

- A. Space Enclosure:

Wood veneer wall panel materials should be permitted to reach room temperature and have a stabilized moisture content for a minimum of 72 hours before installation.

The wood veneer panels should not be stored or installed in spaces where the temperature or humidity conditions vary greatly from the temperatures and conditions that will be normal in the occupied space.

As interior finish products, the wood veneer panels are designed for installation in temperature conditions between 50 degrees F and 86 degrees F, in spaces where the building is enclosed and HVAC systems are functioning and will be in continuous operation. Relative humidity should not fall below 25 percent or exceed 55 percent.

## **1.8 WARRANTY**

- A. Wall Panel: Submit a written warranty executed by the manufacturer, agreeing to repair or replace acoustical panels that fail within the warranty period. Failures include, but are not limited to:
  - 1. Wall Panels: Manufacturer's defects
- B. Warranty Period:
  - 1. Wall panels: One (1) year from date of substantial completion.

- C. The Warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under the requirements of the Contract Documents.

## 1.9 MAINTENANCE

- A. Extra Materials: Deliver extra materials to Owner. Furnish extra materials described below that match products installed. Packaged with protective covering for storage and identified with appropriate labels.
1. Wall Panels: Furnish quantity of full-size units equal to 5.0 percent of amount installed.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Acoustical Wall Panels:
1. Armstrong World Industries, Inc.

### 2.2 ACOUSTICAL WALL PANELS

- A. Wall Panels: Type AWP-1:
1. Surface Texture: Smooth
  2. Composition: Particle Board
  3. Finish: Natural Variations Walnut Espresso (NEW)
  4. Size: (24 inches X 48 inches X 3/4 inch)(24 inches X 72 inches X 3/4 inch)
  5. Edge Profile: Square Edge
  6. Noise Reduction Coefficient (NRC): ASTM C 423;
    - a. Flame Spread: ASTM E84 (HPVA), Class A
  7. Dimensional Stability: Standard – space must be enclosed with HVAC systems operating at all times.
  8. Acceptable Product: Woodworks Walls, item #5818W1NWE, as manufactured by Armstrong World Industries. Mounting Option Z-Clip for panel installation, for product questions call Donald Burden 713-725-6032
- B. Wall Panels: Type AWP-1:
1. Surface Texture: Smooth
  2. Composition: Particle Board
  3. Finish: Natural Variations(Dark Cherry)
  4. Size: (24 inches X 96 inches X 3/4 inch)
  5. Edge Profile: K2C2 on all edges for interface
  6. Noise Reduction Coefficient (NRC): ASTM C 423;
  7. Flame Spread: ASTM E84 (HPVA), Class A
  8. Dimensional Stability: Standard – space must be enclosed with HVAC systems operating at all times.
  9. Acceptable Product: Woodworks Walls, item #5818W1NDC, as manufactured by Armstrong World Industries. Donald Burden (713) 725-6032
- C. Wall Panel Accessories:
1. Decorative Accent Trims and Splines
    - a. Reveal Accent Trim: Item #5850K120B, 10 foot, Black Anodized
    - b. Wall Installation Spline (concealed): Item #585810Y, 10 foot, Black Aluminum
  2. Moldings:
    - a. 4 inch Base Molding: Item #5855\_\_\_\_, 8 feet 4 inches, Solid Wood
    - b. 6 inch Base Molding: Item #5856\_\_\_\_, 8 feet 4 inches, Solid Wood
    - c. 1.15 inch Finish Molding: Item #5849\_\_\_\_, (8 feet 4 inches)(9 feet 4 inches)(10 feet 2 inches), Solid Wood
    - d. 1.875 inch Finish Molding: Item #5907\_\_\_\_, (8 feet 4 inches)(9 feet 4 inches)(10 feet 2 inches), Solid Wood
    - e. Inside Corner Molding: Item #5867\_\_\_\_, (8 feet 4 inches)(9 feet 4 inches)(10 feet 2

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Do not proceed with installation until all wet work such as concrete, terrazzo, plastering and painting has been completed and thoroughly dried out, unless expressly permitted by manufacturer's printed recommendations.

### **3.2 PREPARATION**

- A. Measure each wall area and establish layout of acoustical units to balance border widths at opposite edges of each wall. Coordinate panel layout with mechanical and electrical fixtures.

### **3.3 INSTALLATION**

- A. Install wall panels by attaching the panels to an existing wall per the manufacturer's instructions, BPLA-297712-1012, and in accordance with the authorities having jurisdiction, for installation questions call Donald Burden 713-725-6032

### **3.4 ADJUSTING AND CLEANING**

- A. Replace damaged and broken panels.
- B. Use a clean, dry, soft, white cloth to wipe off any dirt or greasy fingerprints. If this does not clean the panel, use a damp clean soft white cloth or sponge with a mild detergent to wipe the panel.

**END OF SECTION**

## **SECTION 09 50 00 Wood Panel Ceilings - Linear**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

A. Drawings and general conditions of Contract, including General and Supplementary Conditions and Divisions-1 Specification sections apply to work of this section

#### **1.2 SUMMARY**

A. Section Includes

1. Solid Wood and Wood veneer ceiling panels
2. Exposed grid suspension system
3. Wire hangers, fasteners, main runners, wall angle moldings and accessories.

B. Related Sections:

1. Section 09 54 26 - Suspended Wood Ceilings
2. Section 09 53 00 - Acoustical Ceiling Suspension Assemblies
3. Section 09 51 26 - Acoustical Wood Ceilings
4. Section 09 20 00 - Plaster and Gypsum Board
5. Division 23 - HVAC
6. Division 26 - Electrical

C. Alternates

1. Prior Approval: Unless otherwise provided for in the Contract documents, proposed product substitutions may be submitted no later than TEN (10) working days prior to the date established for receipt of bids. Acceptability of a proposed substitution is contingent upon the Architect's review of the proposal for acceptability and approved products will be set forth by the Addenda. If included in a Bid are substitute products that have not been approved by Addenda, the specified products shall be provided without additional compensation.

2. Submittals that do not provide adequate data for the product evaluation will not be considered. The proposed substitution must meet all requirements of this section, including but not necessarily limited to, the following: Single source materials suppliers (if specified in Section 1.5); Underwriters' Laboratories' Classified Acoustical performance; Panel design, size, composition, color, and finish; Suspension system component profiles and sizes; Compliance with the referenced standards.

#### **1.3 REFERENCES**

A. American Society for Testing and Materials (ASTM):

- 1) ASTM A 1008 Standard Specification for Steel, Sheet, Cold Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability
- 2) ASTM A 641 Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
- 3) ASTM A 653 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process
- 4) ASTM C 423 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
- 5) ASTM C 635 Standard Specification for Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
- 6) ASTM C 636 Recommended Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels
- 7) ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials
- 8) ASTM E 580 Installation of Metal Suspension Systems in Areas Requiring Moderate Seismic Restraint
- 9) ASTM E 1264 Classification for Acoustical Ceiling Products

B. Hardwood Plywood & Veneer Association (HPVA)

C. International Building Code

D. ASHRAE Standard 62.1-2004 Ventilation for Acceptable Indoor Air Quality

E. NFPA 70 National Electrical Code

F. ASCE 7 American Society of Civil Engineers, Minimum Design Loads for Buildings and Other Structures

G. International Code Council-Evaluation Services - AC 156 Acceptance Criteria for Seismic Qualification Testing of Non-structural Components

H. International Code Council-Evaluation Services Report - Seismic Engineer Report

1. ESR 1308 - Armstrong T-Bar or Dimensional Suspension

I. California Air Resources Board (CARB) compliant

J. LEED - Leadership in Energy and Environmental Design is a set of rating systems for the design, construction, operation, and maintenance of green buildings

#### **1.4 SUBMITTALS**

A. Product Data: Submit manufacturer's technical data for each type of ceiling unit and suspension system required.

B. Installation Instructions: Submit manufacturer's installation instructions as referenced in Part 3, Installation.

C. Samples: Minimum 3-1/2 inch or 5-1/2 inch samples of specified panel; 8 inch long samples of exposed wall molding and suspension system, including main runner.

D. Shop Drawings: Illustrating the layout and details of the ceilings. Show locations of items that are to be coordinated with, or supported by the ceilings.

E. Certifications: Manufacturer's certifications that products comply with specified requirements, including laboratory reports showing compliance with specified tests and standards.

F. All products not conforming to manufacturer's current published values must be removed and dispose. Replace with complying product at the expense of the Contractor performing the work.

## **1.5 QUALITY ASSURANCE**

A. Single-Source Responsibility: Provide ceiling panel units and grid components by a single manufacturer.

B. Fire Performance Characteristics: Identify ceiling components with appropriate markings of applicable testing and inspecting organization.

1. Surface Burning Characteristics: As follows, tested by HPVA (Hardwood Plywood and Veneer Association) under the test standard ASTM E-84 tunnel test and complying with ASTM E 1264 for Class A products.

a. Flame Spread: 25 or less

b. Smoke Developed: 50 or less

C. Woodworking Standards: Manufacturer must comply with specified provisions of Architectural Woodworking Institute quality standards.

D. Woodworkds Panels: As with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern through possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, or their local codes for guidance where automatic fire detection and suppression systems are present.

E. Coordination of Work: Coordinate ceiling work with installers of related work including, but not limited to building insulation, wet work i.e. gypsum board, light fixtures, mechanical systems, electrical systems, and sprinklers.

## **1.6 DELIVERY, STORAGE AND HANDLING**

A. Store the wood veneer ceiling panels in a dry interior location in their cartons prior to installation to avoid damage. Store the ceiling panel cartons in a flat, horizontal position. Do not remove the protectors between the panels until installation.



B. Do not store in unconditioned spaces with humidity greater than 55 percent or lower than 25 percent relative humidity and temperatures lower than 50 degrees F or greater than 86 degrees F. Do not expose the wood veneer ceiling panels to extreme temperatures, for example, close to a heating source or near a window with direct sunlight.

C. Handle ceiling units carefully to avoid chipped edges or damage to units in any way.

## **1.7 PROJECT CONDITIONS**

A. Prior to installation, the wood veneer ceiling materials are required to reach room temperature and have stabilized moisture content for a minimum of 72 hours.

B. Do not install the wood veneer panels in spaces where the temperature or humidity conditions vary greatly from the temperatures and conditions that will be normal in the occupied space.

C. As interior finish products, the wood veneer panels are designed for installation in temperature conditions between 50 degrees F and 86 degrees F, in spaces where the building is enclosed and HVAC systems are functioning and will be in continuous operation. Relative humidity should not fall below 25 percent or exceed 55 percent.

## **1.8 WARRANTY**

A. Wood Veneer Panel: Submit a written warranty executed by the manufacturer, agreeing to repair or replace panels that fail within the warranty period. Failures include, but are not limited to:

1. Ceiling Panels: Defects in materials or factory workmanship
2. Grid System: Rusting and manufacturing defects

B. Warranty Period:

1. Wood veneer panels: One (1) year from date of installation
2. Grid: One (1) year from date of installation

C. The Warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under the requirements of the Contract Documents.

## **1.9 MAINTENANCE**

A. Extra Materials: Deliver extra materials to Owner. Furnish extra materials described below that match products installed. Packaged with protective covering for storage and identified with appropriate labels.

1. Ceiling Units: Furnish quantity of full-size units equal to 5.0 percent of amount installed.

2. Exposed Suspension System Components: Furnish quantity of each exposed suspension component equal to 2.0 percent of amount installed.

## **PART 2 - PRODUCTS**

### **2.1 MANUFACTURERS**

#### A. Ceiling Panels:

1. Armstrong World Industries, Inc.

#### B. Suspension Systems:

1. Armstrong World Industries, Inc.

### **2.2.1 WOOD VENEER CEILING UNITS**

#### A. Ceiling Panels Type AP:

1. Surface Texture: Smooth
2. Composition: Fire-retardant Particle Board
3. Species/Finish: Natural Variations Dark Cherry
4. Size: 96IN x 3-3/4IN
5. Reveal: Square
6. Profile:
7. Edge Banding and Trim: To match face veneer
8. Noise Reduction Coefficient (NRC): ASTM C 423, Classified with UL label on product carton

0.5

9. Flame Spread: ASTM E84 HPVA Fire Classification Class A (HPVA)
10. Dimensional Stability: Standard
11. Acceptable Product: WoodWorks Linear, Item # 6440W1 as manufactured by Armstrong World Industries

#### B. WoodWorks Panel Accessories:

1. 5370 - 12ft HD Linear Carriers for 4-1/2" modules
2. 5843 - Linear Wood Panel Splice
3. 7805 - 10ft Angle Molding
4. 8200100 - 1" Fiberglass Infill Panel (Black - Gloss)

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

A. Do not proceed with installation until all wet work such as concrete, terrazzo, plastering and painting has been completed and thoroughly dried out.

B. Proper designs for both supply air and return air, maintenance of the HVAC filters and building interior space are essential to minimize soiling. Before starting the HVAC system, make sure supply air is properly filtered and the building interior is free of construction dust.

### **3.2 PREPARATION**

A. Measure each ceiling area and establish layout of acoustical units to balance border widths at opposite edges of each ceiling. Avoid use of less than half width units at borders, and comply with reflected ceiling plans. Coordinate panel layout with mechanical and electrical fixtures.

### **3.3 INSTALLATION**

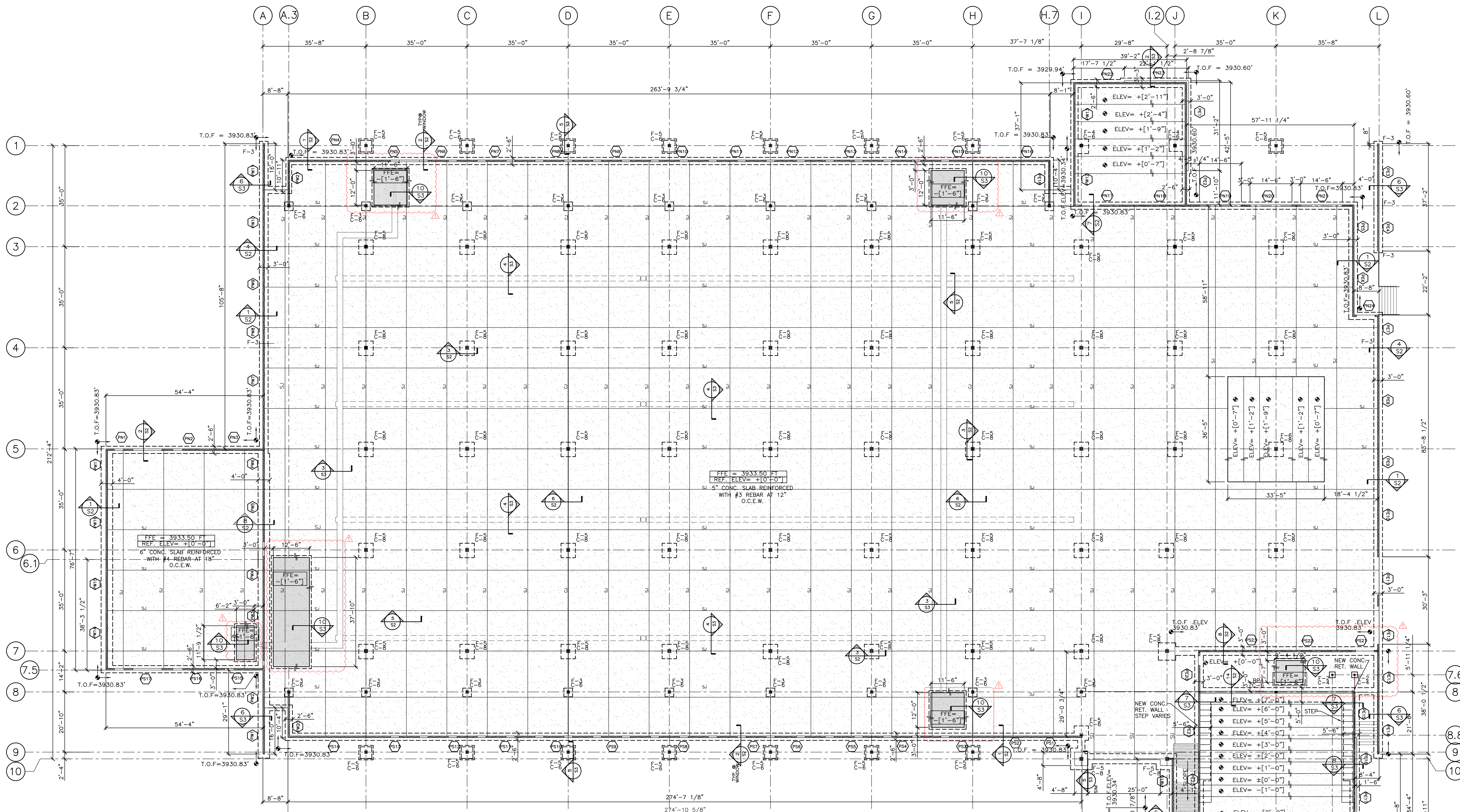
A. Install suspension system and panels in compliance with ASTM C636; CISCA Seismic Guidelines; approved construction drawings; with the authorities having jurisdiction; and in accordance with the manufacturer's installation instructions.

B. Install wall moldings at intersection of suspended ceiling and vertical surfaces.

### **3.4 ADJUSTING AND CLEANING**

A. Replace damaged and broken panels.

B. Clean exposed surfaces of ceilings panels, including trim, edge moldings, and suspension members. Comply with manufacturer's instructions for cleaning and touch up of minor finish damage. Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

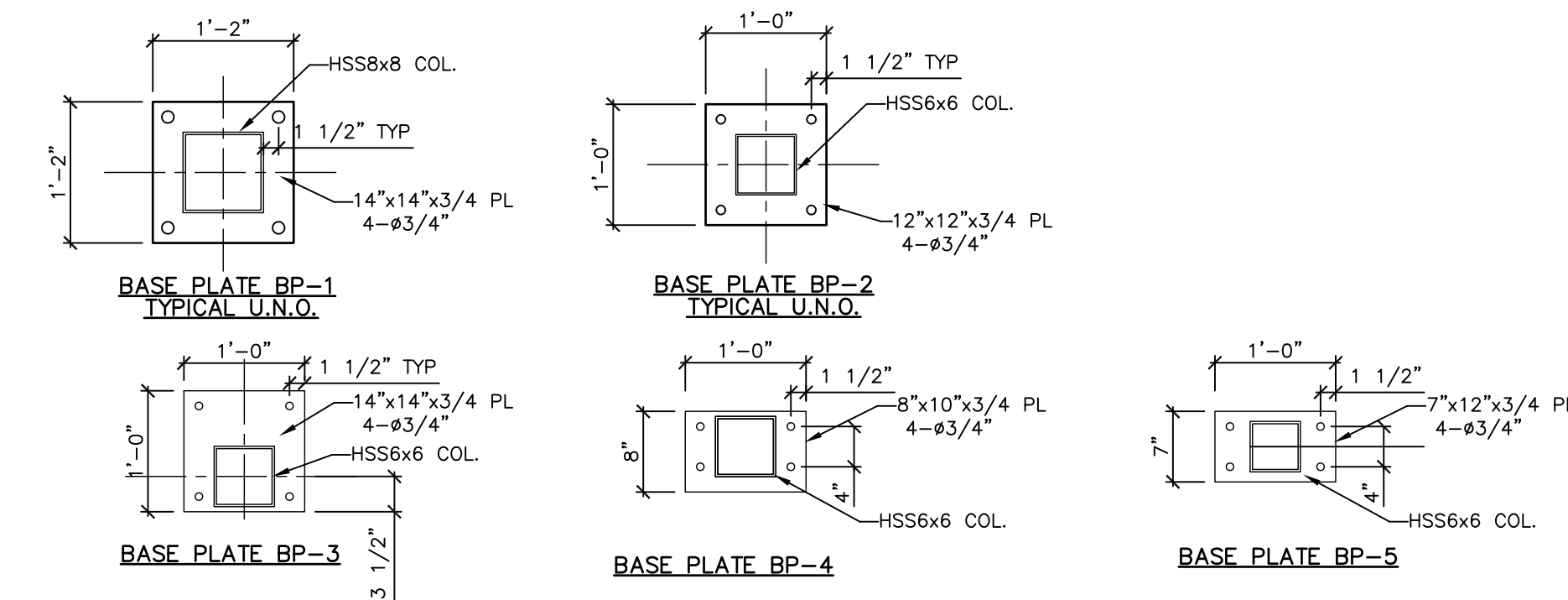


### FOUNDATION PLAN

SCALE: 1/16" = 1'-0"

FOOTING SCHEDULE		
MARK	FOOTING SIZE	REINFORCEMENT
F-3	3'-0" x 3'-0" x 1'-0"	3 - #5 EA. WAY
F-4	4'-0" x 4'-0" x 1'-0"	4 - #5 EA. WAY
F-5	5'-0" x 5'-0" x 1'-0"	5 - #5 EA. WAY
F-7	7'-0" x 7'-0" x 1'-0"	7 - #5 EA. WAY

COLUMN SCHEDULE				
MARK	COLUMN	BASE PLATE		ANCHOR BOLT
		SIZE	MARK	
C8	HSS 8x8x5/16"	14" x 14" x 3/4"	SEE PLAN	4 - 3/4"
C6	HSS 6x6x1/4"	12" x 12" x 3/4"	SEE PLAN	4 - 3/4"
C5	HSS 5x5x1/2"	7" x 11" x 3/4"	SEE PLAN	4 - 3/4"
C4	HSS 4x4x1/4"	10" x 10" x 3/4"	SEE PLAN	4 - 3/4"

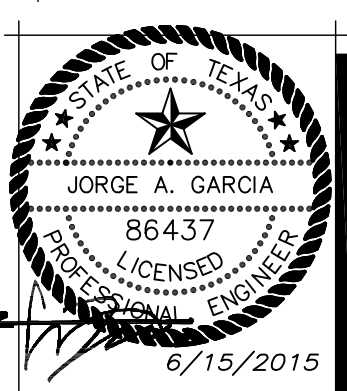


As indicated, all work shall be in accordance with the applicable building codes and standards. The contractor shall be responsible for obtaining all necessary permits and for the proper installation and use of all materials and equipment. The contractor shall be responsible for the safety of all workers and the public. Any revision to this plan shall be made in accordance with the applicable building codes and standards. The contractor shall be responsible for the safety of all workers and the public. Any revision to this plan shall be made in accordance with the applicable building codes and standards.

310 N. Mesa St.  
El Paso, TX 79901  
T. 915.219.3166  
F. 915.842.9137  
carlos@llvarch.com  
www.llvarch.com

NEW CLAIMS CENTER FOR:  
**FRED LOYA**  
**INSURANCE**

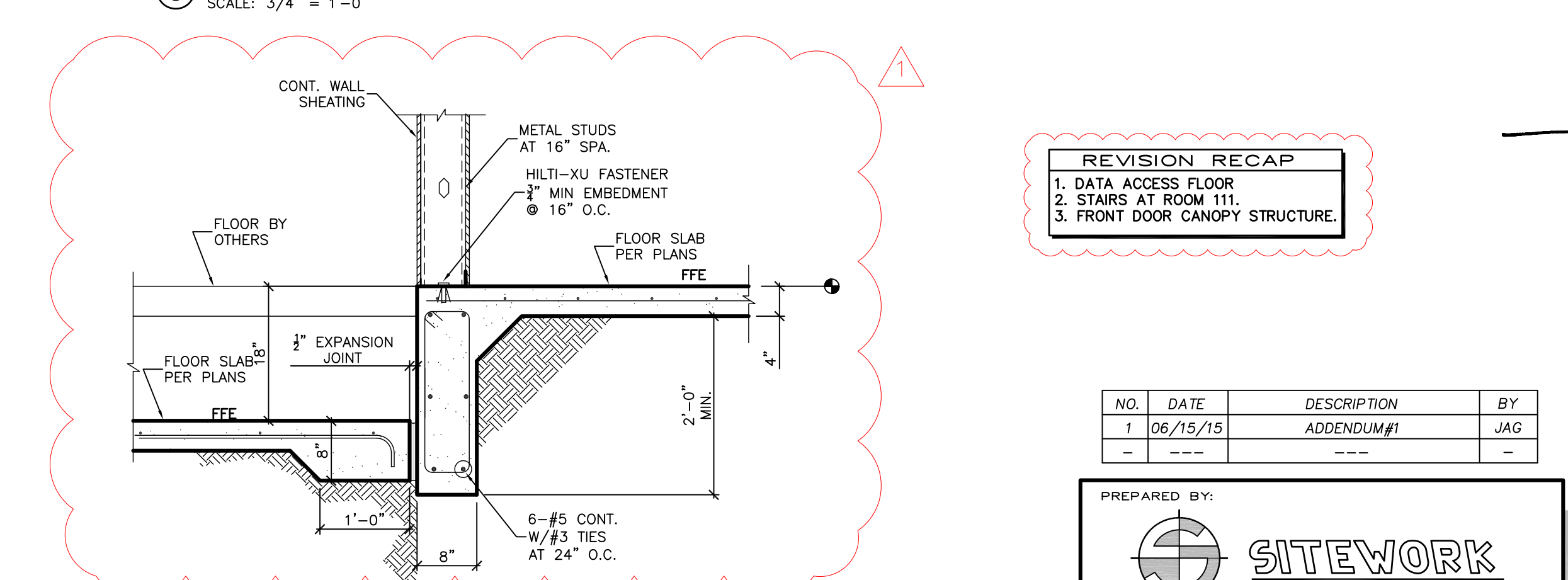
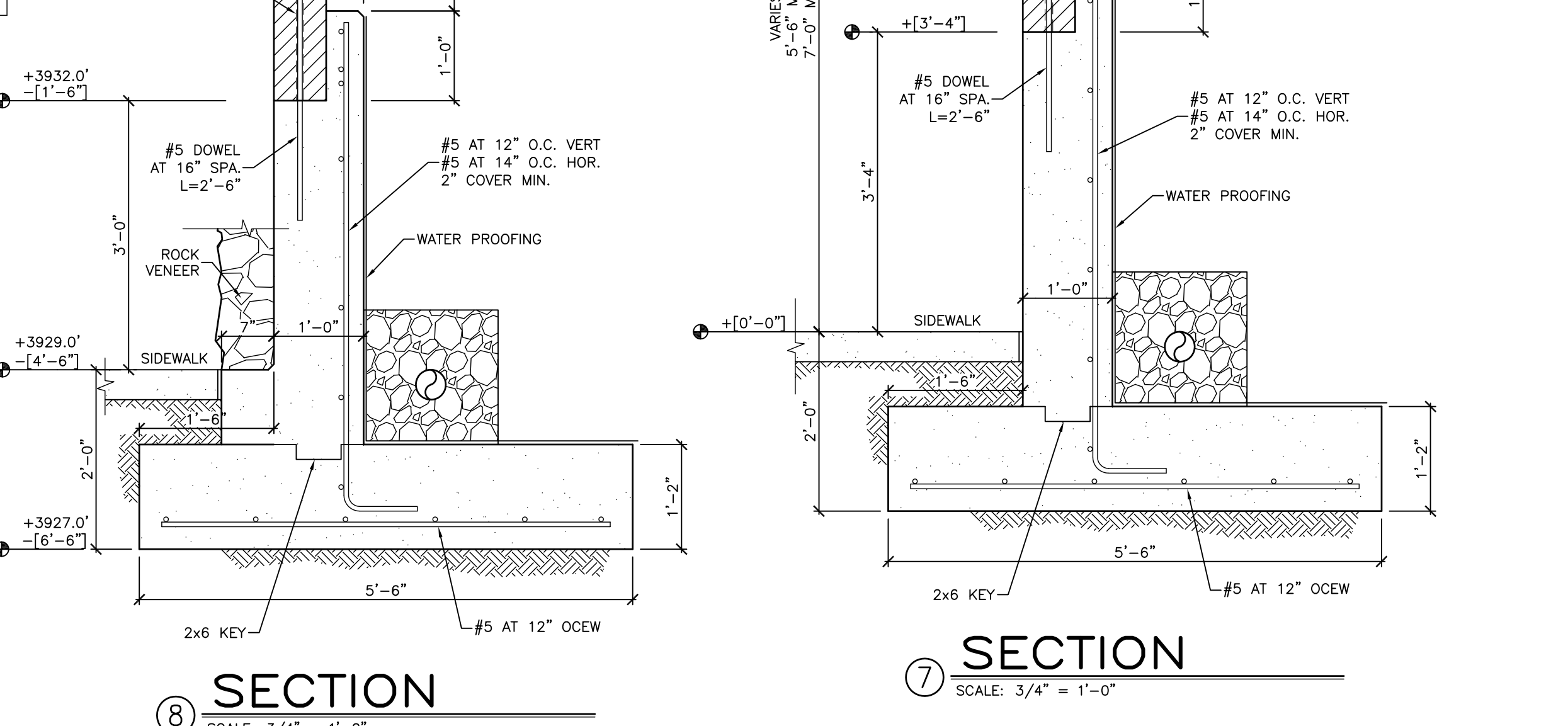
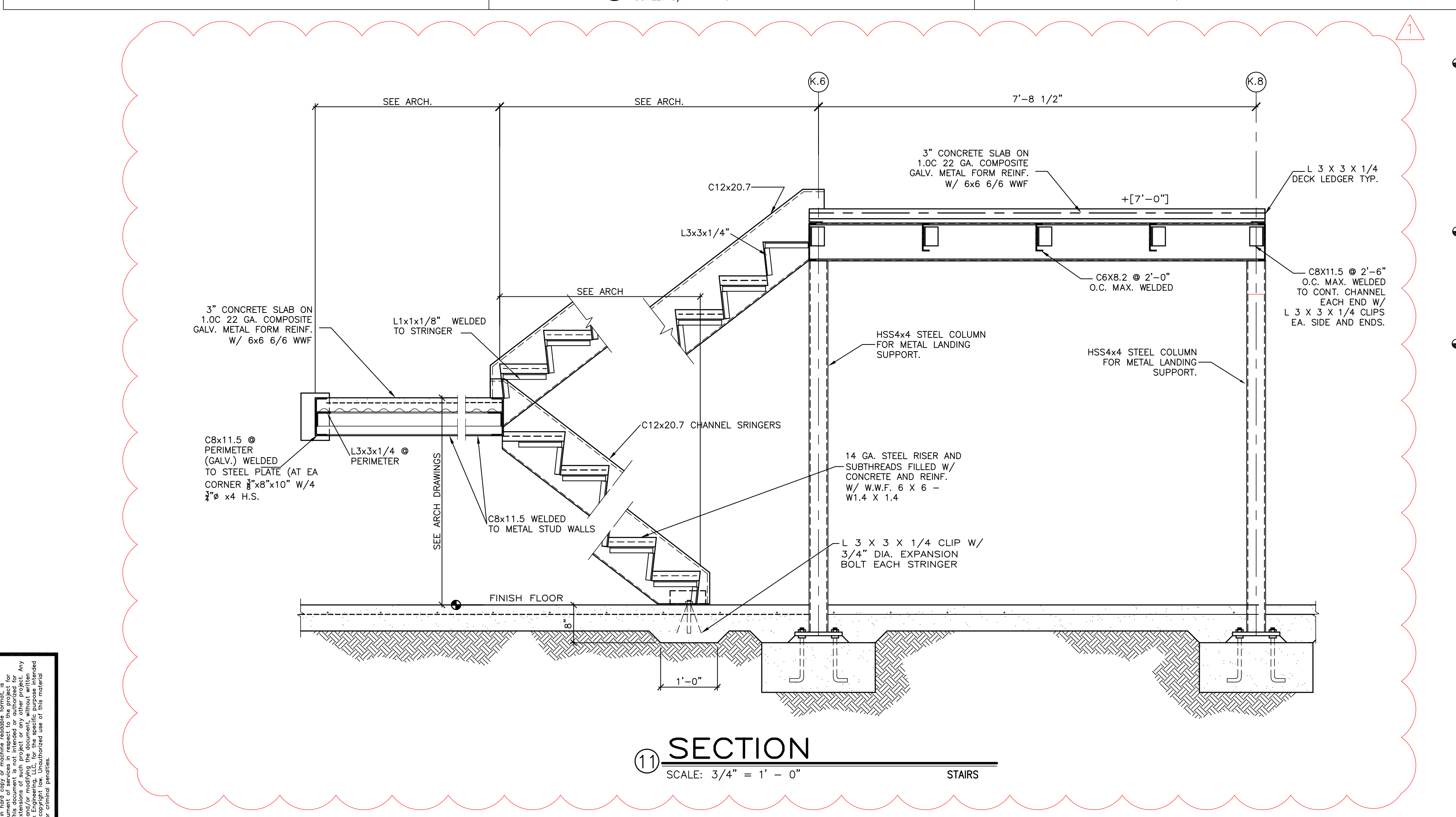
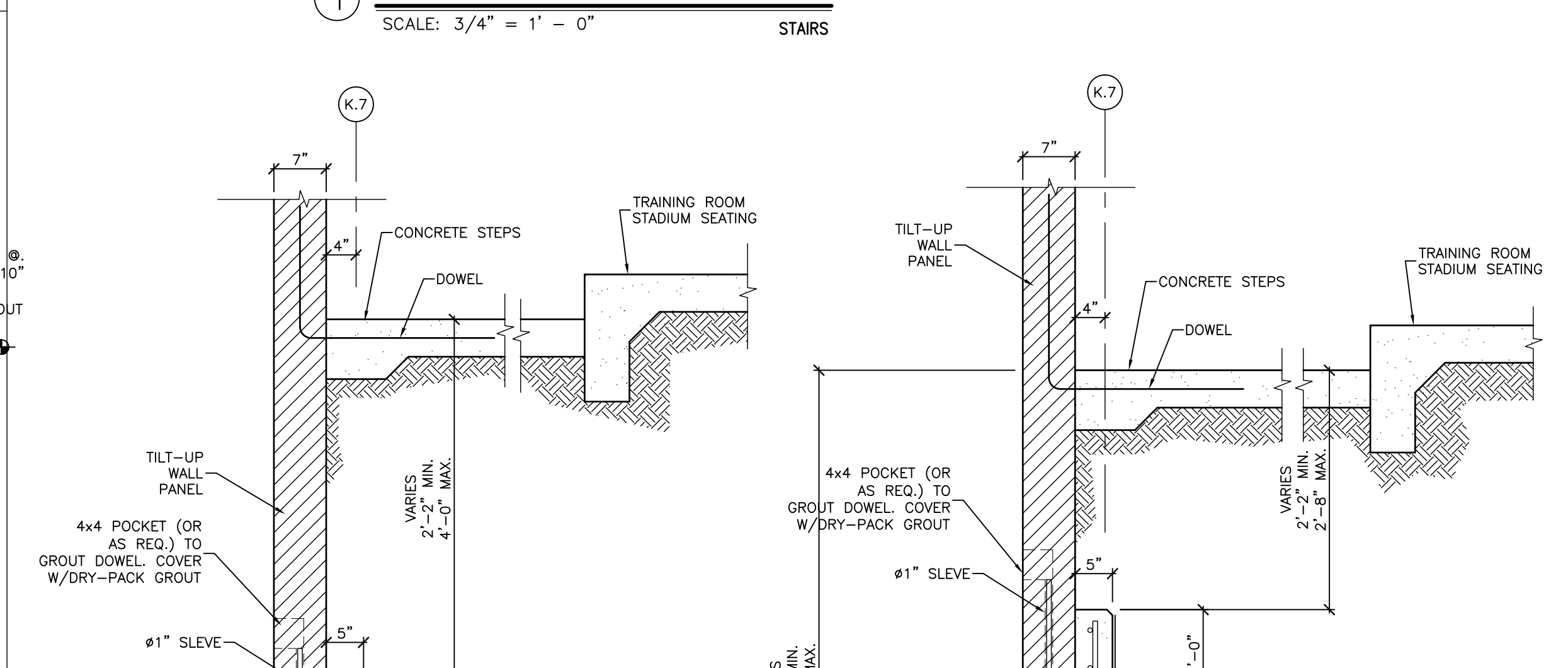
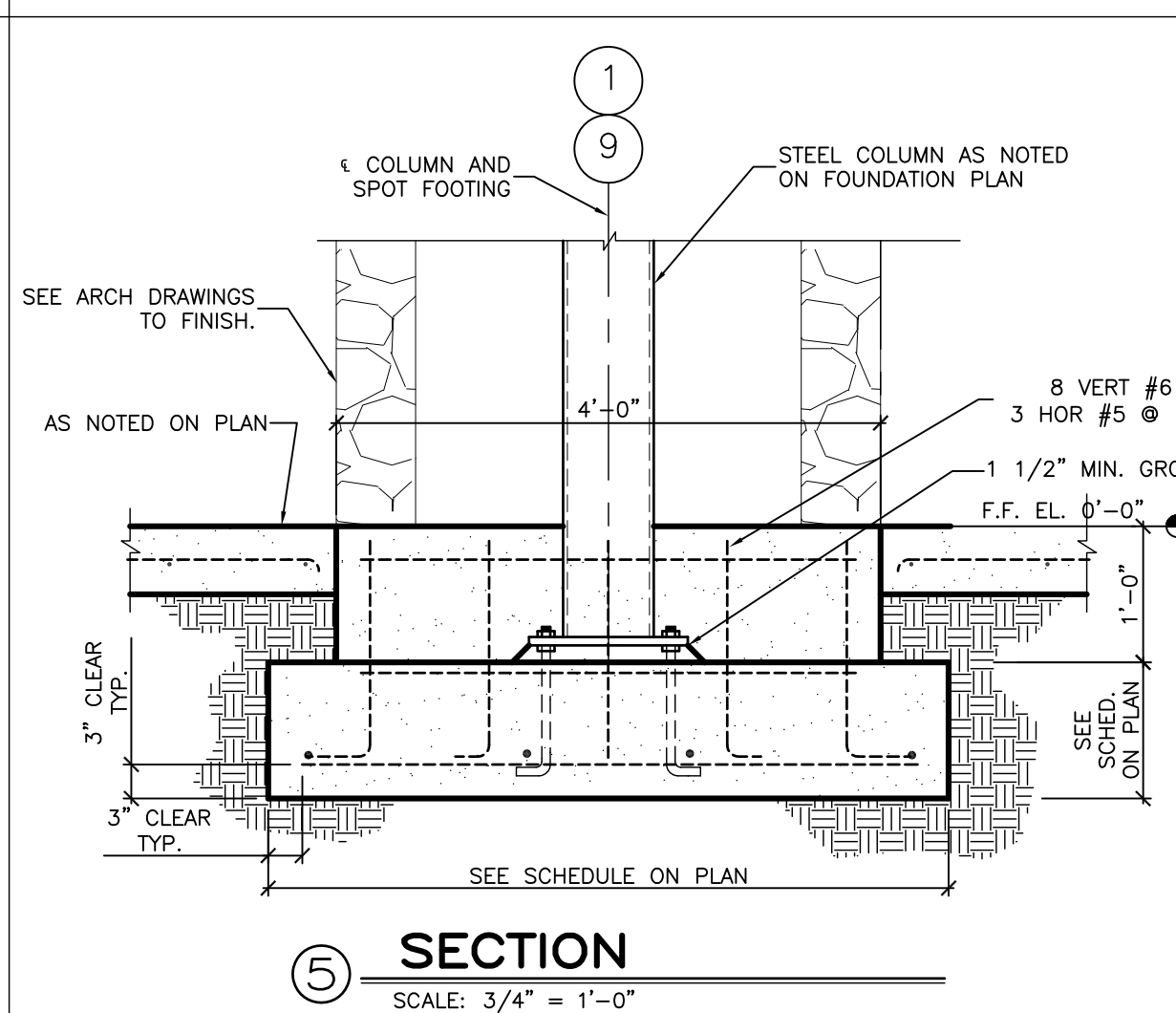
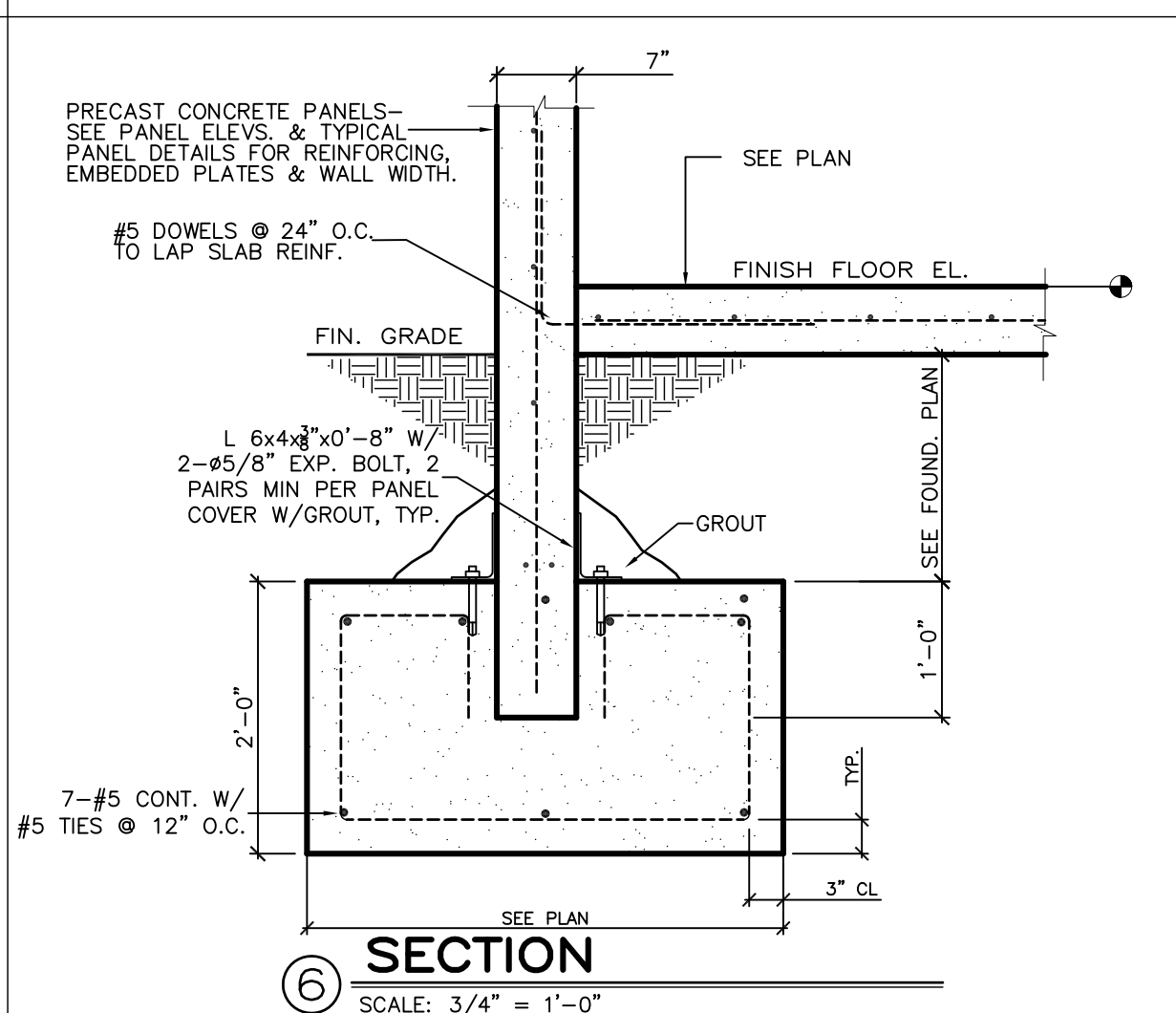
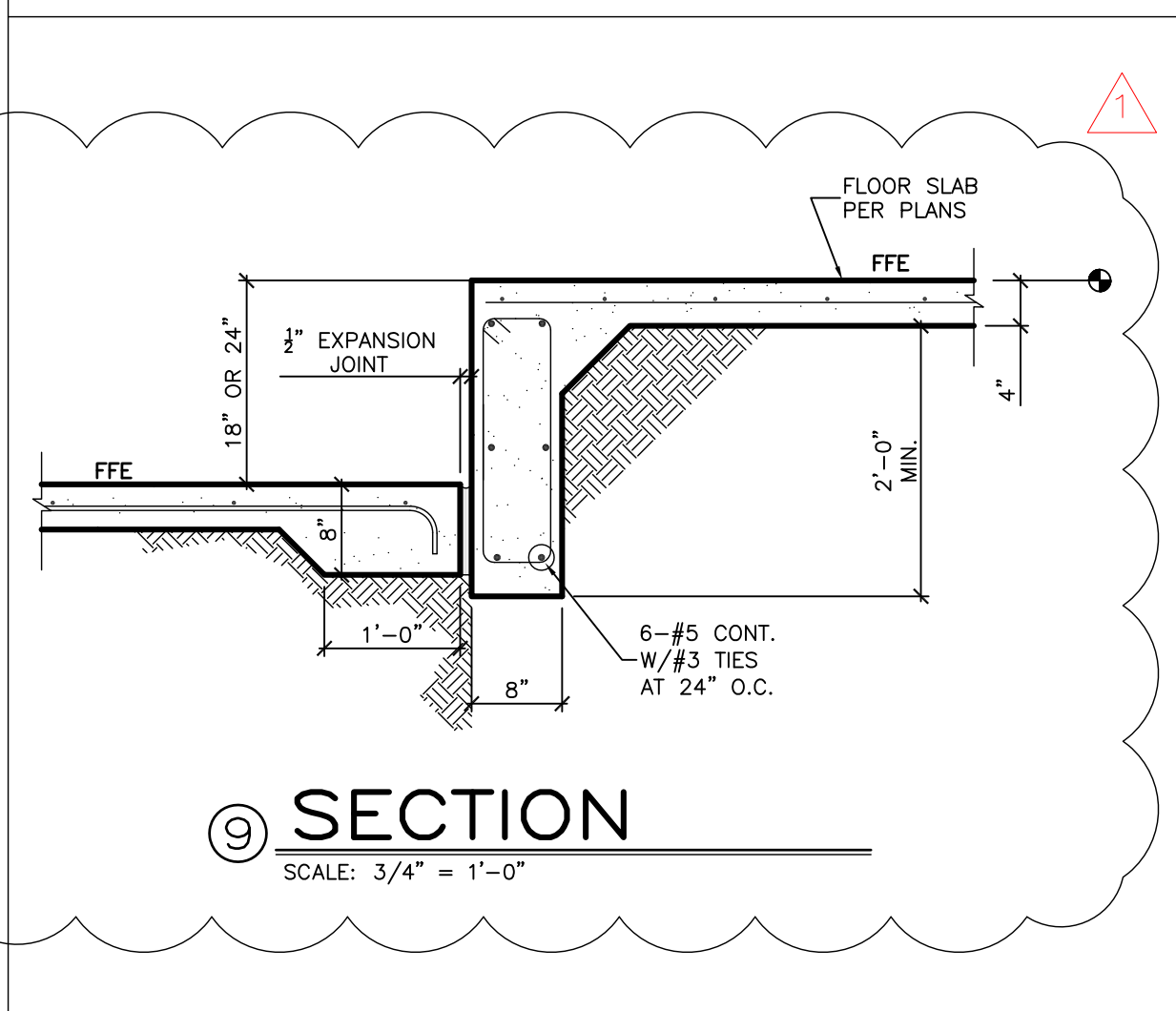
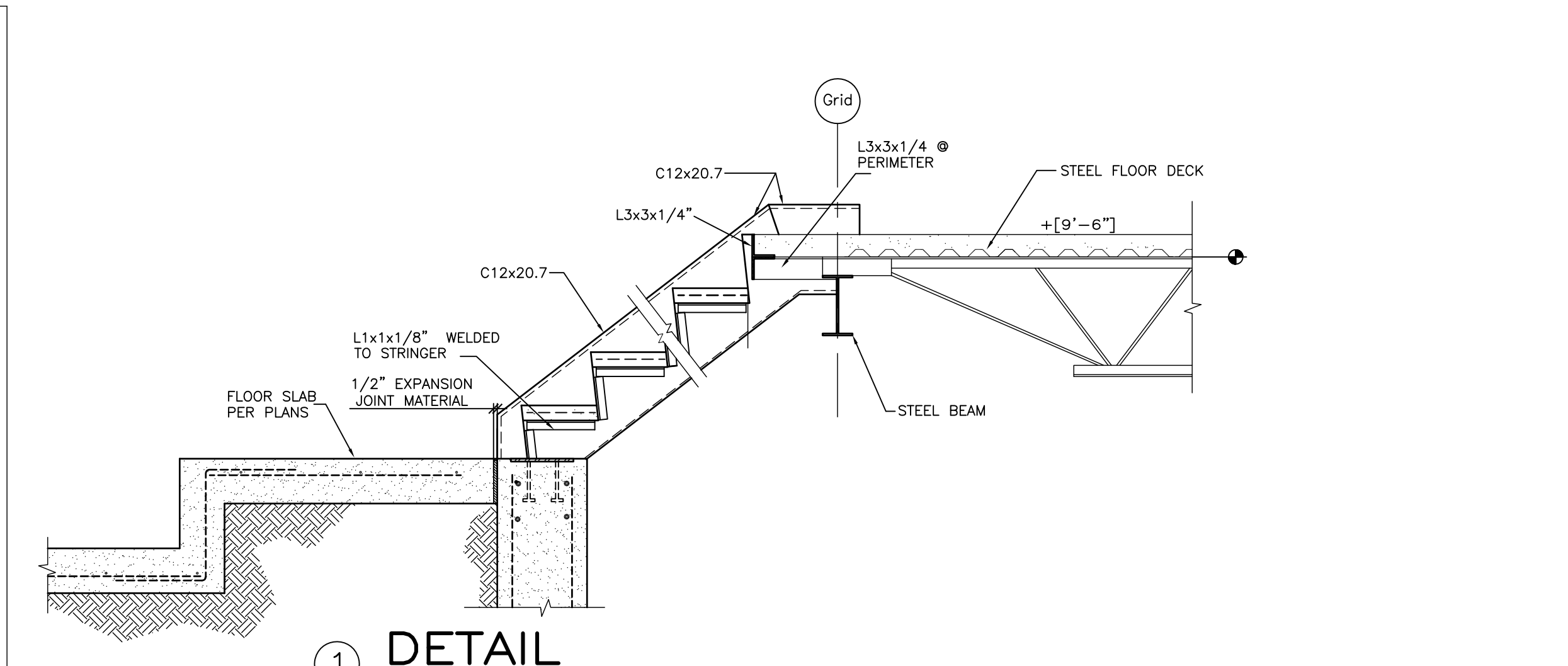
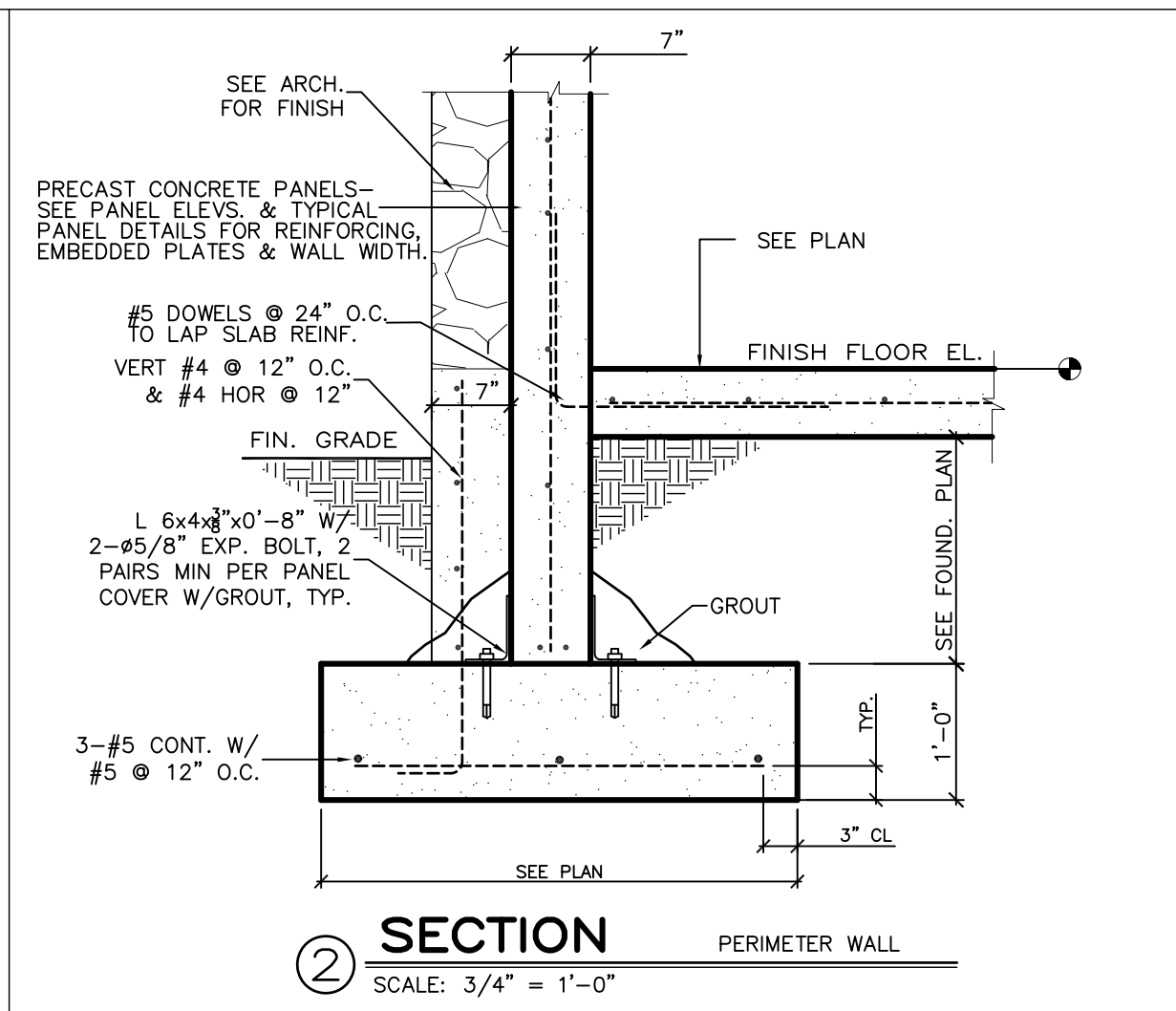
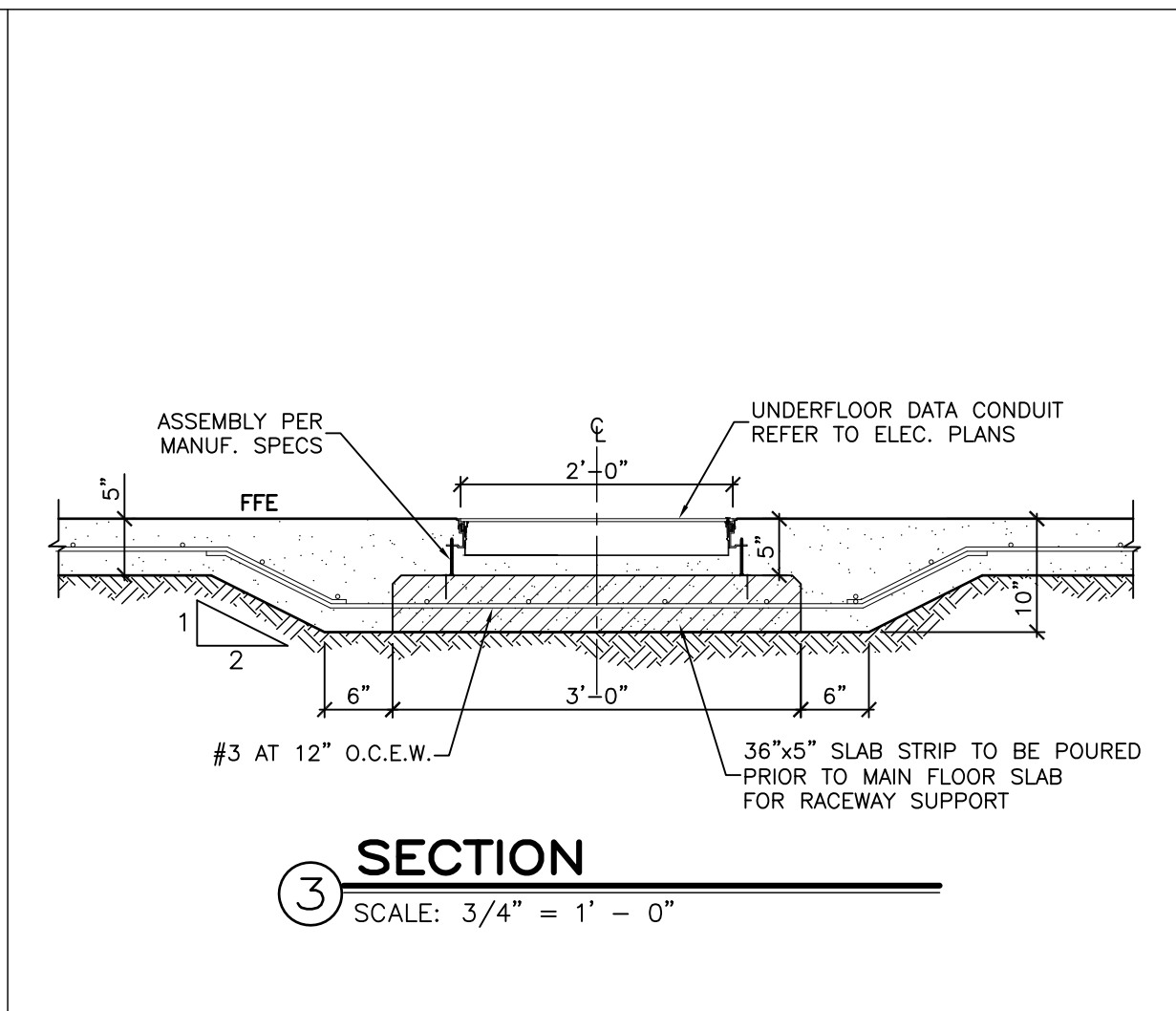
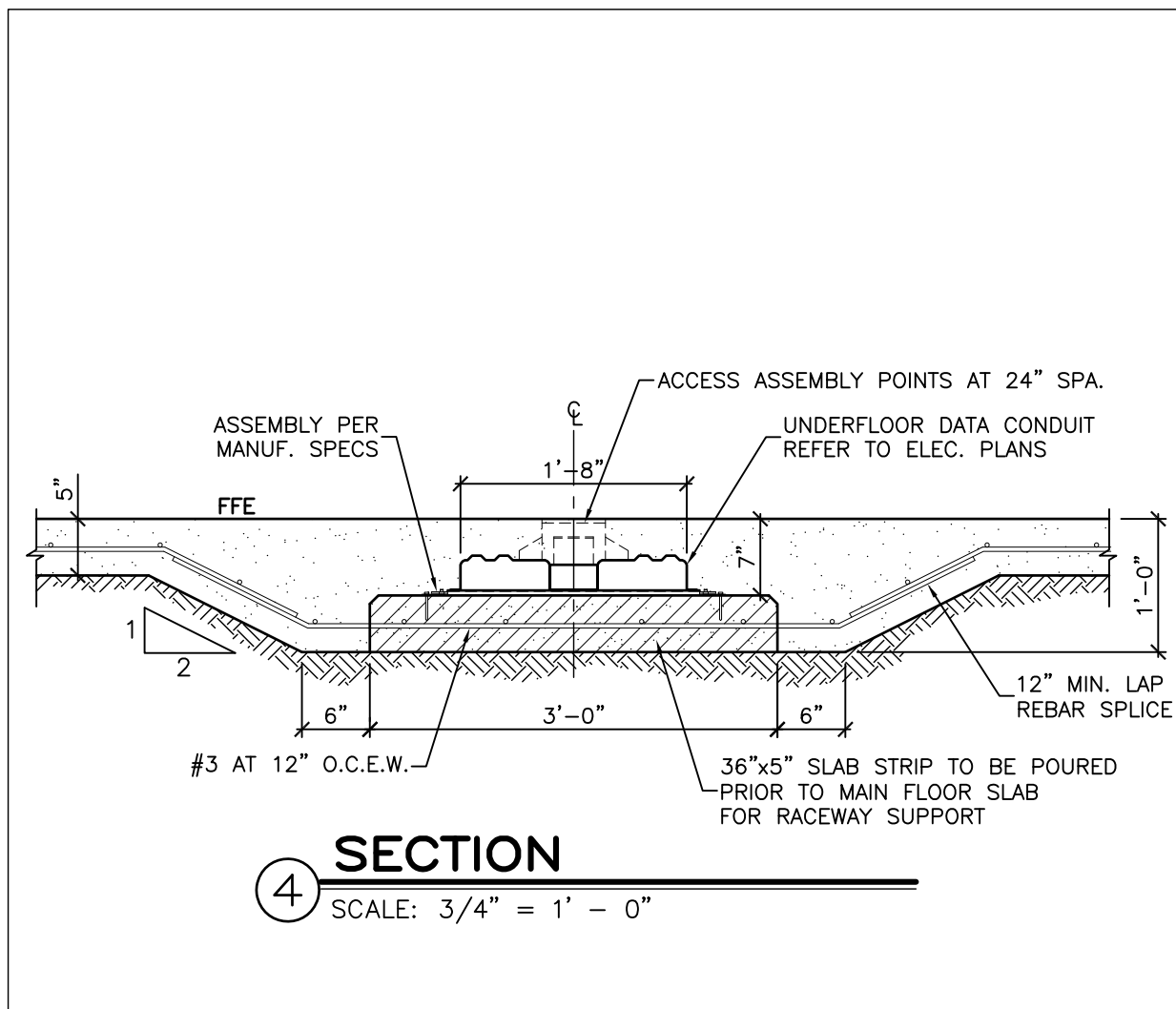
11577 PELLICANO DR.  
EL PASO, TX 79936



Date: SEPTEMBER 25, 2014  
Revised:  
Project No. 1415  
File Name: FRED LOYA CLAIMS CENTER  
Title:

PREPARED BY:  
**SITWORK**  
ENGINEERING L.L.C.  
TX REG # 5607

444 EXECUTIVE CENTER BLVD., SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055



**REVISION RECAP**  
 1. DATA ACCESS FLOOR  
 2. STAIRS AT ROOM 111,  
 3. FRONT DOOR CANOPY STRUCTURE.

NO.	DATE	DESCRIPTION	BY
1	06/15/15	ADDENDUM#1	JAG

PREPARED BY:  
**SITWORK**  
 ENGINEERING L.L.C.  
 TX REG #09607

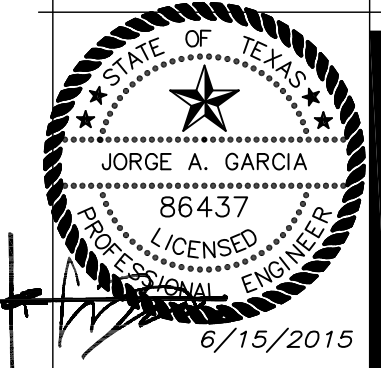
444 EXECUTIVE CENTER BLVD., SUITE 134 - EL PASO, TX - 79902  
 PHONE (915) 351-8033 - FAX (915) 351-8055

This document, whether in hard copy or electronic format, is the property of Sitework Engineering L.L.C. It is to be used only for the project and site for which it was prepared. Any reproduction, distribution, or use for any other project, without the written consent of Sitework Engineering L.L.C., is strictly prohibited. Sitework Engineering L.L.C. shall not be held responsible for any errors or omissions in this document.

310 N. Measa St.  
 Cortez Building, Ste. 800  
 El Paso, TX 79901  
 T. 915.219.3166  
 F. 915.842.9137  
 carlos@llwarch.com  
 www.llwarch.com

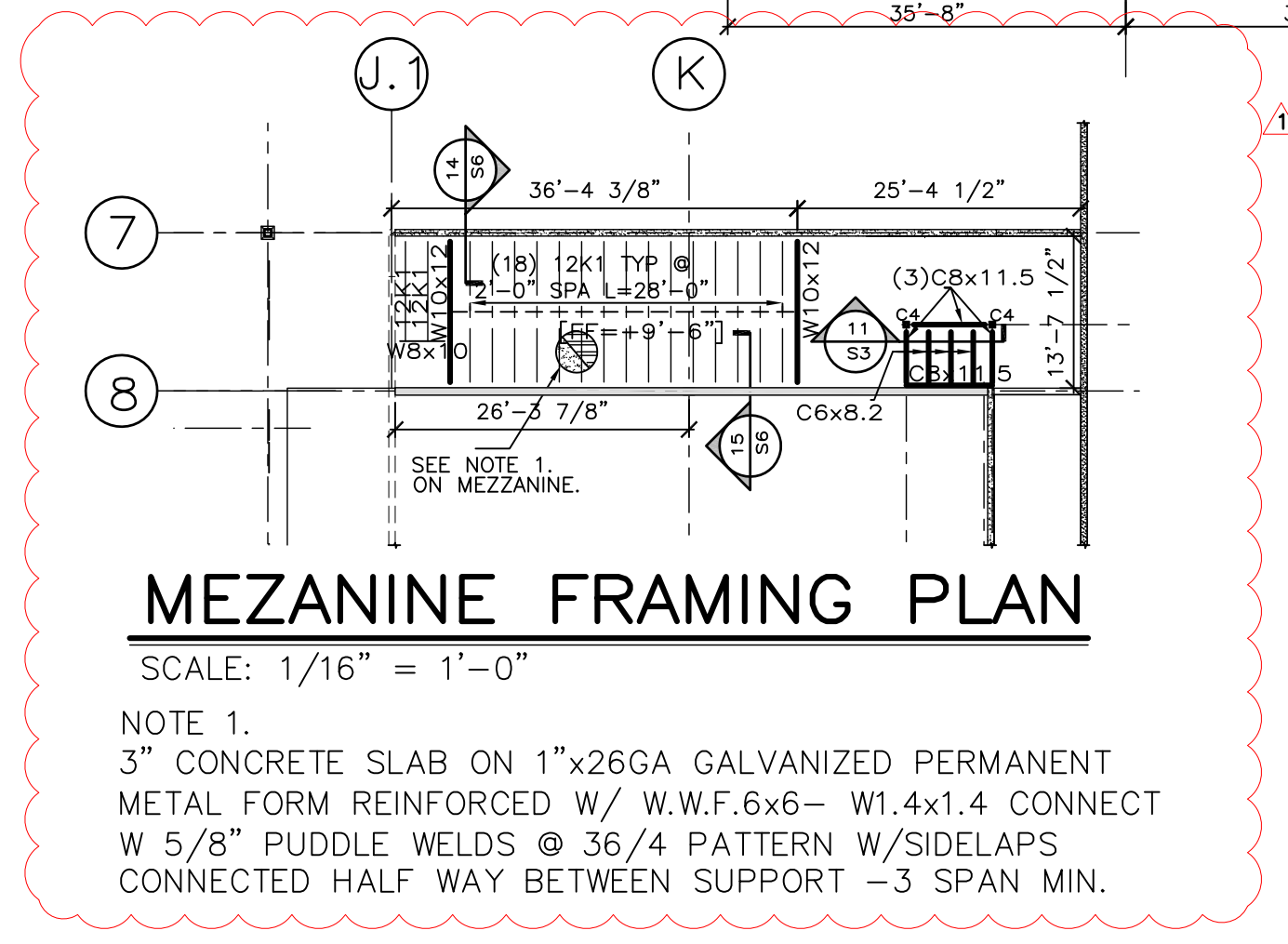
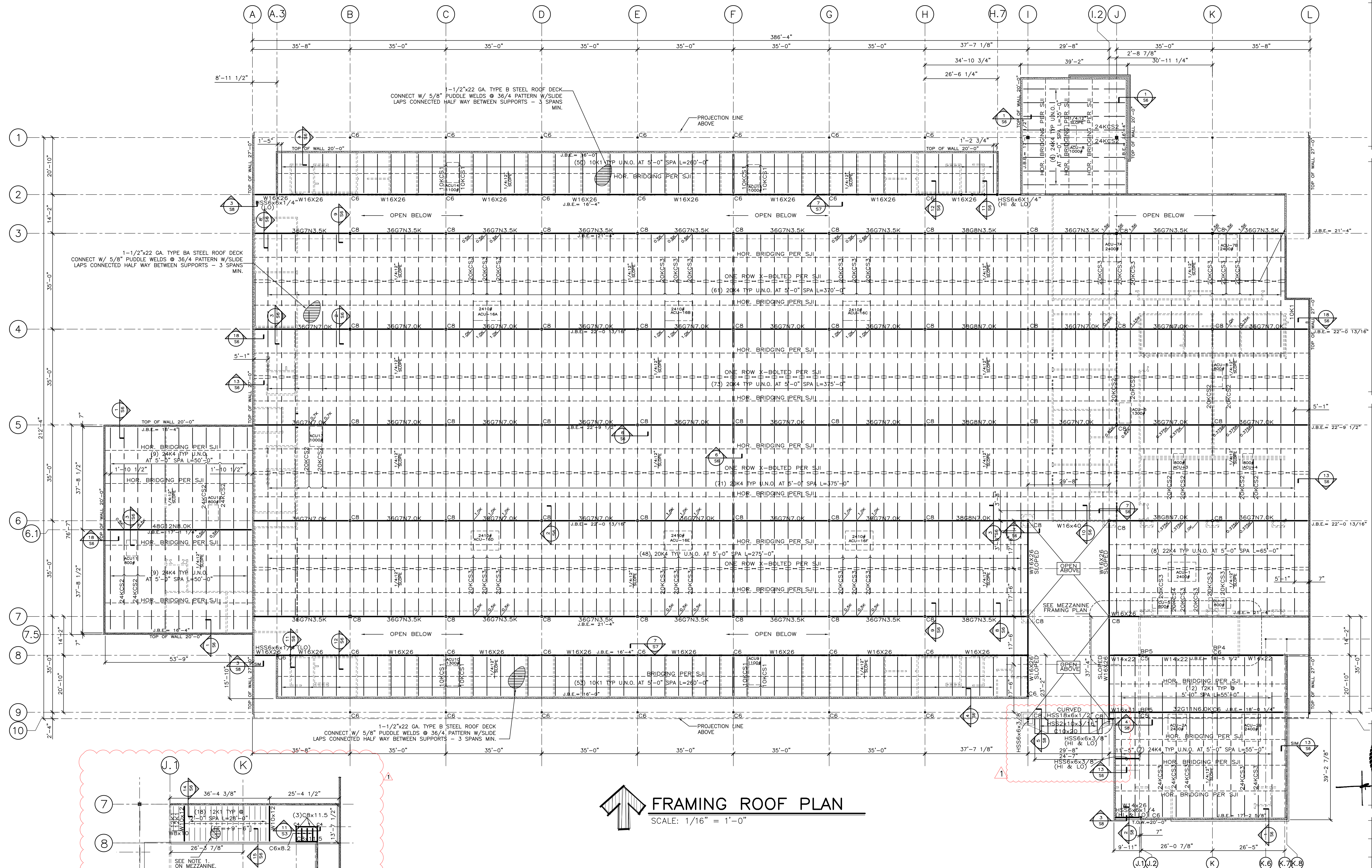
NEW CLAIMS CENTER FOR:  
**FRED LOYA**  
**INSURANCE**

11577 PELLICANO DR.  
 EL PASO, TX 79936



Date: SEPTEMBER 25, 2014  
 Revised:  
 Project No. 1415  
 File Name: FRED LOYA CLAIMS CENTER  
 Title:

Sheet No.  
**S-3**  
 Sheet 4 of 16



### FRAMING ROOF PLAN

SCALE: 1/16" = 1'-0"

REVISION RECAP	
1.	DATA ACCESS FLOOR
2.	STAIRS AT ROOM 111.
3.	FRONT DOOR CANOPY STRUCTURE.

NO.	DATE	DESCRIPTION	BY
1	06/15/15	ADDENDUM #1	J.A.G.
-	-	-	-

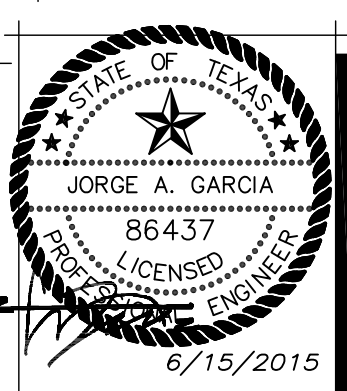
PREPARED BY:

444 EXECUTIVE CENTER BLD., SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055

310 N. Measa St.  
Cotulla Building, Ste. 800  
El Paso, TX 79901  
T. 915.219.3166  
F. 915.842.9137  
carlos@llwarch.com  
www.llwarch.com

NEW CLAIMS CENTER FOR:  
**FRED LOYA**  
**INSURANCE**

11577 PELLICANO DR.  
EL PASO, TX 79936

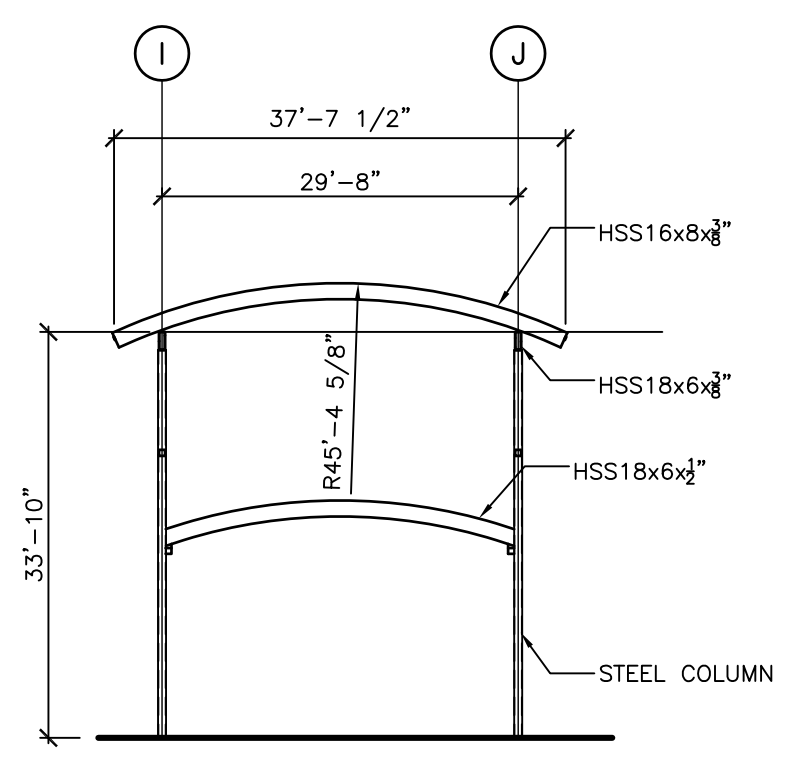
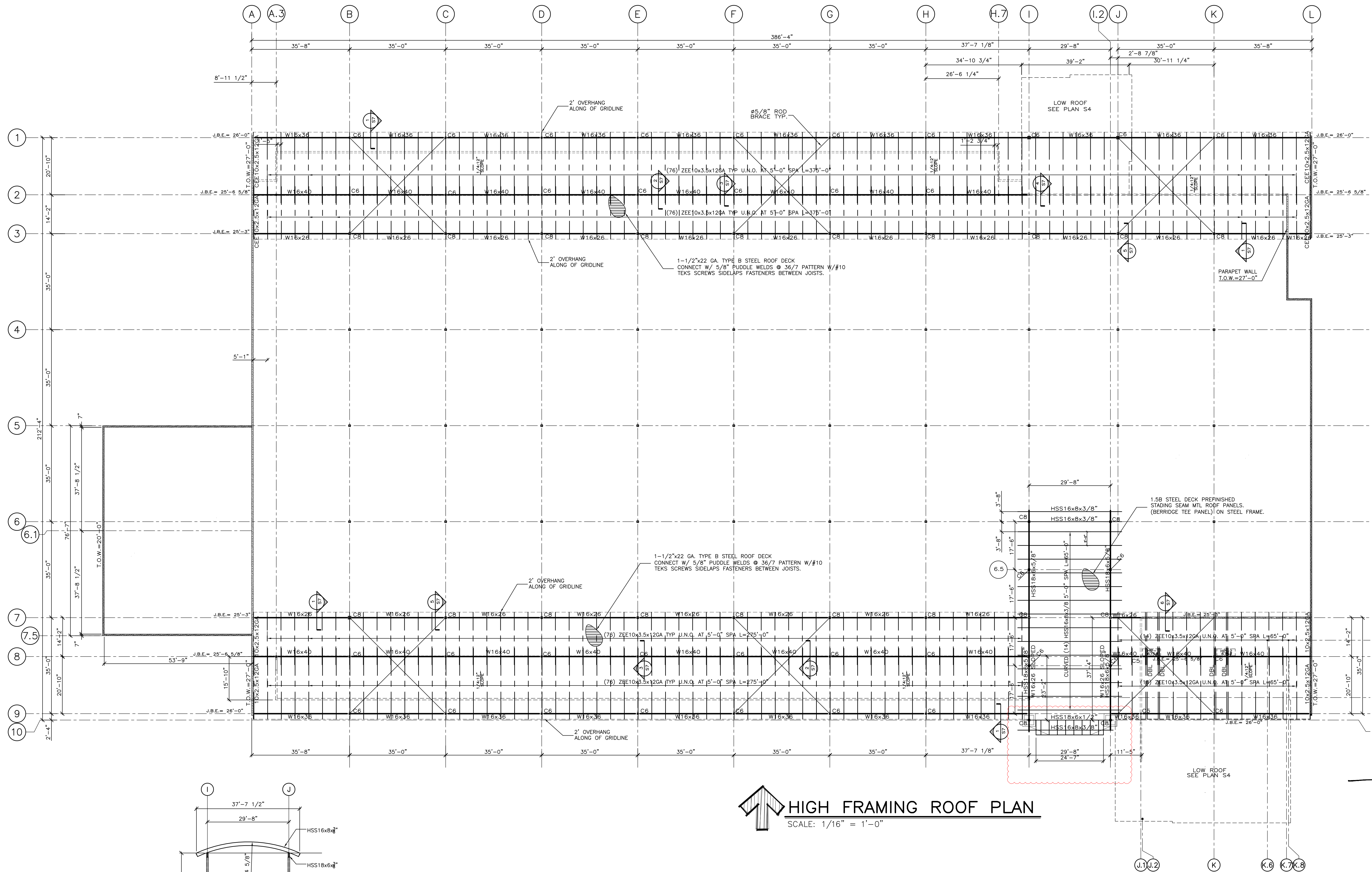


Date: SEPTEMBER 25, 2014  
Revised:  
Project No. 1415  
File Name: FRED LOYA CLAIMS CENTER  
Title:

Sheet No.

**S-4**

Sheet 5 of 16



**SECTION AT GRID 10**  
SCALE: 1/16" = 1'-0"

**HIGH FRAMING ROOF PLAN**  
SCALE: 1/16" = 1'-0"

**REVISION RECAP**

1. DATA ACCESS FLOOR
2. STAIRS AT ROOM 111.
3. FRONT DOOR CANOPY STRUCTURE.

NO.	DATE	DESCRIPTION	BY
1	06/15/15	ADDENDUM#1	JAG

PREPARED BY:

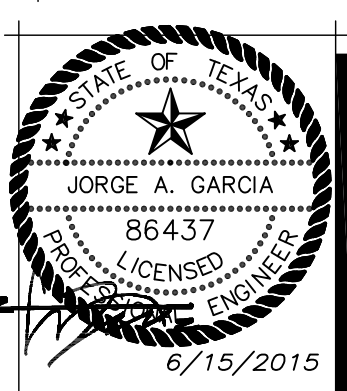
444 EXECUTIVE CENTER BLVD., SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055

This document, whether in hard copy or electronic format, is the property of Sitework Engineering, L.L.C. It is to be used only for the project and location specified. Any other use, including copying, reproduction, or distribution, without the written consent of Sitework Engineering, L.L.C., is prohibited. Sitework Engineering, L.L.C. shall not be held responsible for any errors or omissions in this document.

310 N. Measa St.  
 El Paso, TX 79901  
 T. 915.219.3166  
 F. 915.842.9137  
 carlos@llvavarch.com  
 www.llvavarch.com

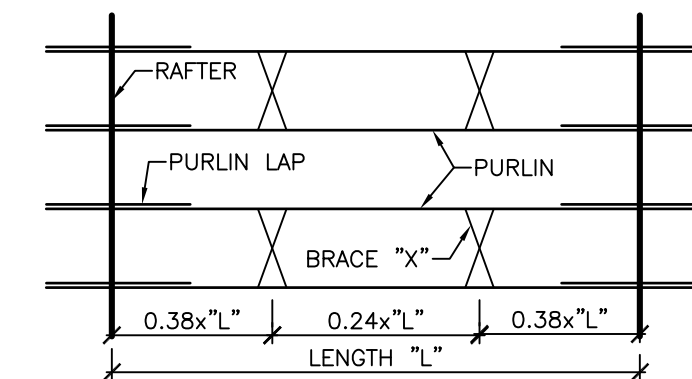
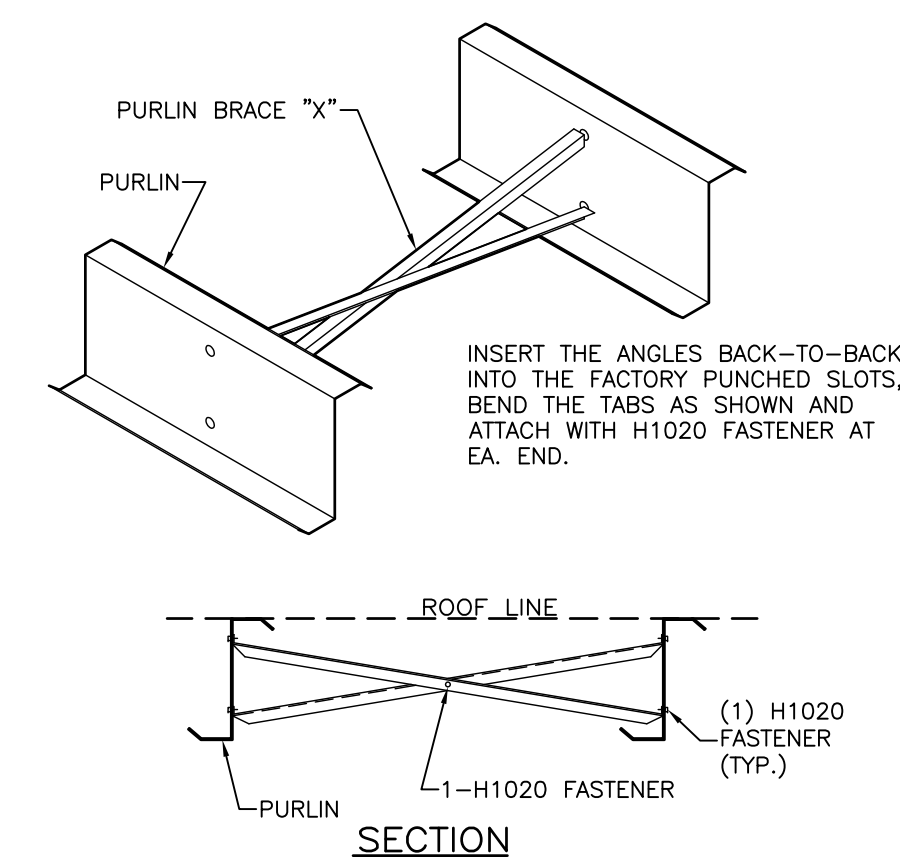
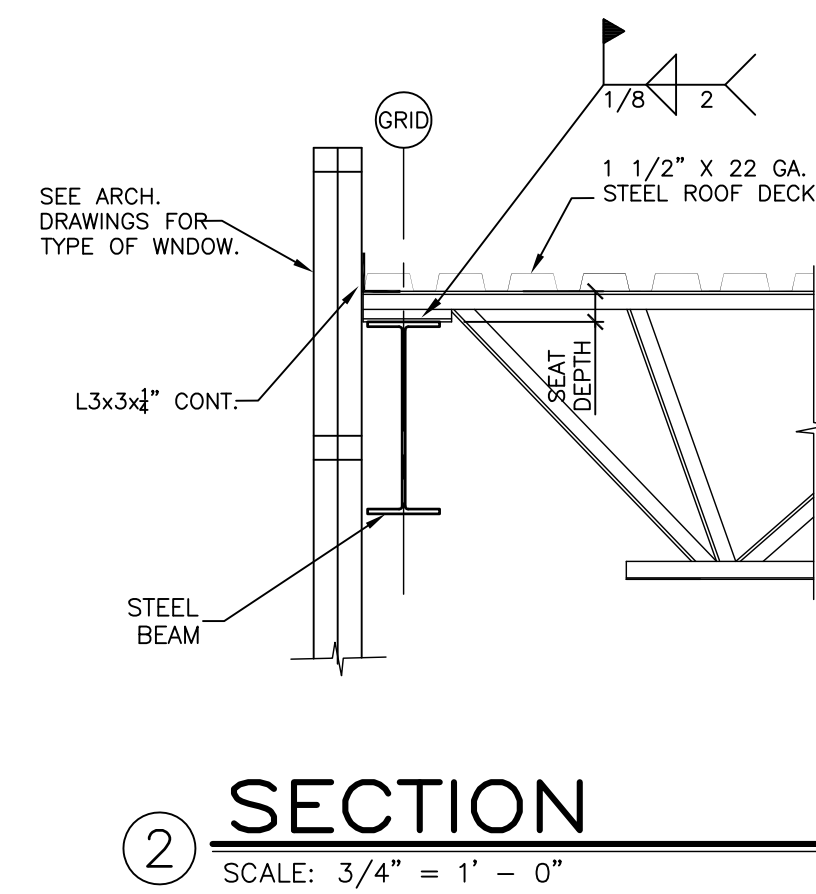
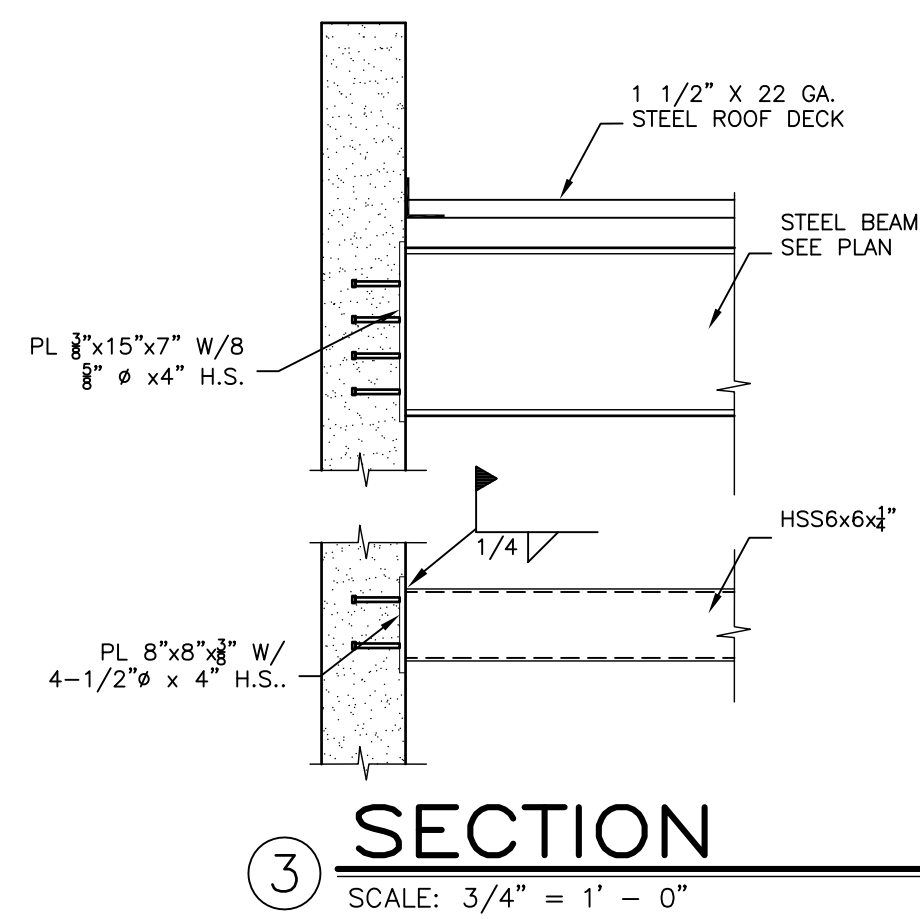
NEW CLAIMS CENTER FOR:  
**FRED LOYA**  
**INSURANCE**

11577 PELLICANO DR.  
 EL PASO, TX 79936



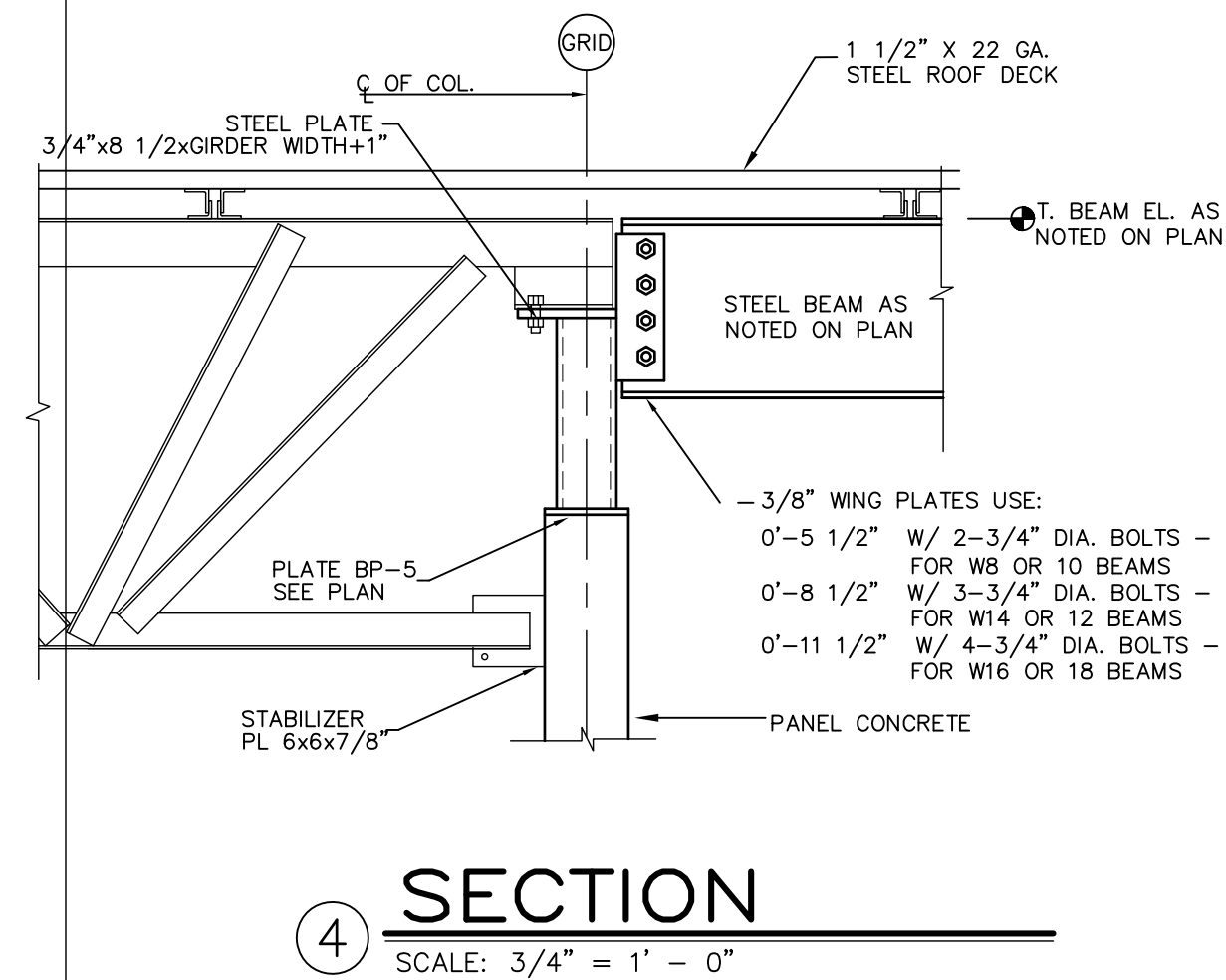
Date: SEPTEMBER 25, 2014  
 Revised:  
 Project No. 1415  
 File Name: FRED LOYA CLAIMS CENTER  
 Title:

Sheet No.  
**S-5**  
 Sheet 6 of 16

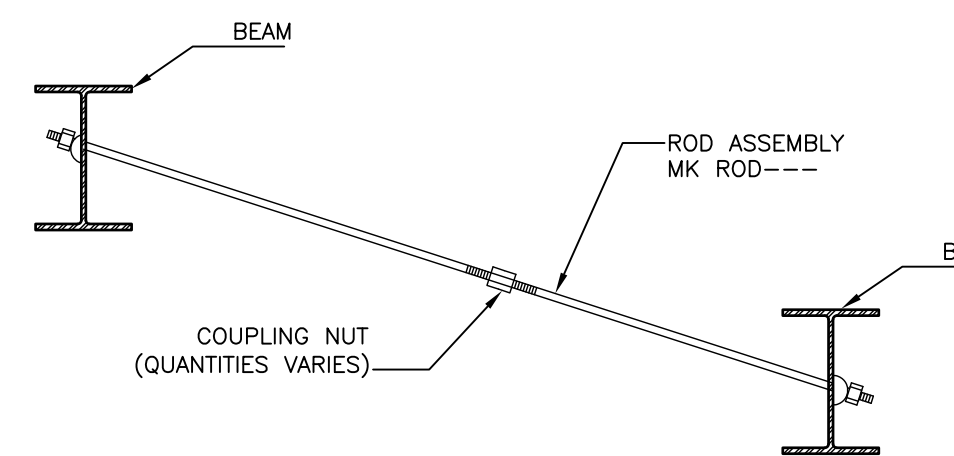


1. THERE ARE ALWAYS (2) ROWS OF PURLIN BRACING REQUIRED REGARDLESS OF THE BAY LENGTH.
2. THE PURLIN BRACING IS ALWAYS SPACED AS SHOWN IN THE DETAIL BELOW.

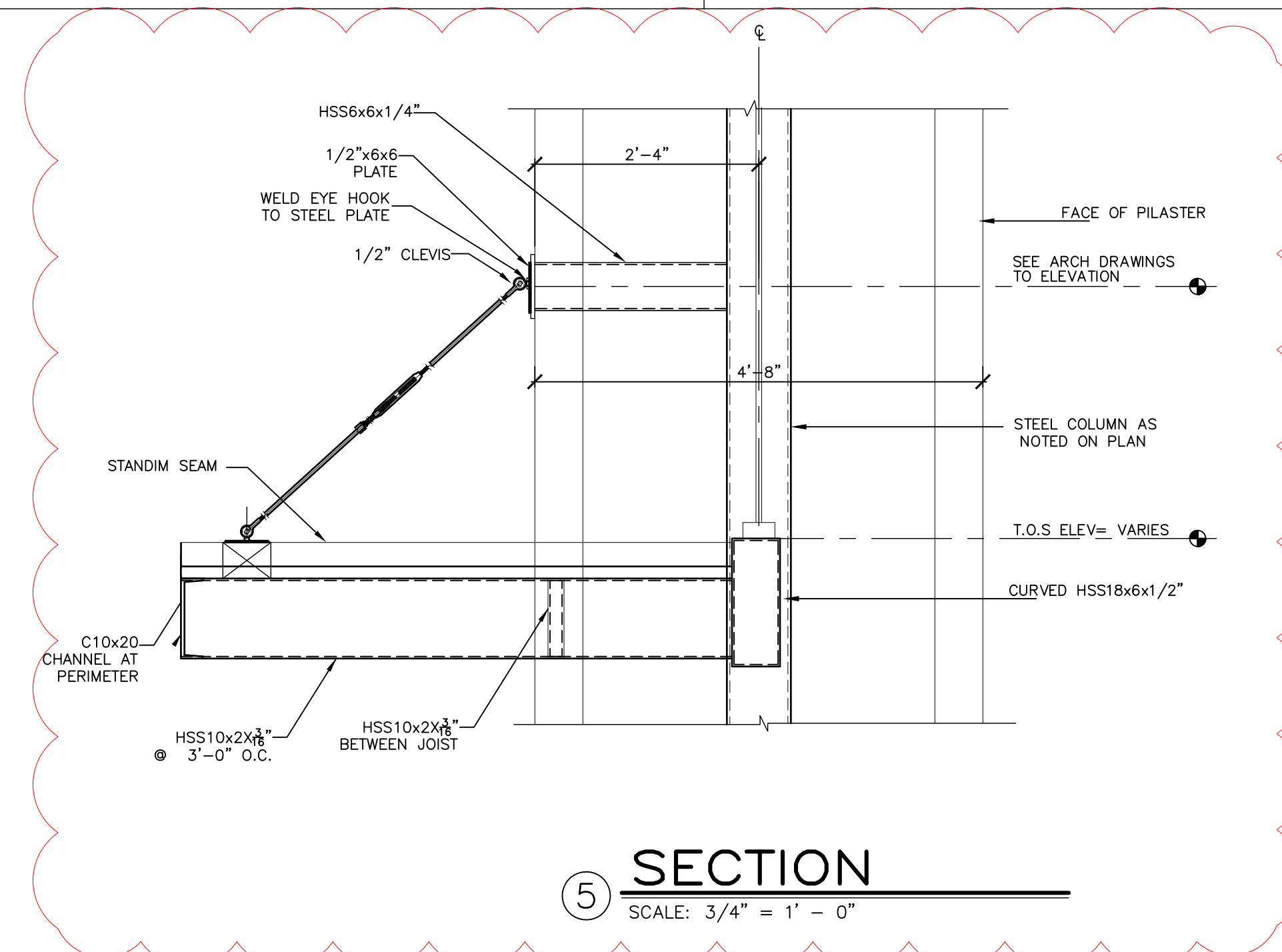
① DETAIL  
SCALE: 3/4" = 1'-0"



ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	COUPLING NUTS
1/2"	RDB---	(2)H0930	(2)H0210	(2) H0310	H0810
3/8"	RDC---	(2)H0930	(2)H0220	(2) H0320	H0820
5/16"	RDD---	(2)H0930	(2)H0230	(2) H0430	H0830
1"	RDE---	(2)H0960	(2)H0240	(2) H0330	H0840
1 1/8"	RDF---	(2)H0960	(2)H0250	(2) H0450	H0850
1 1/2"	RDG---	(2)H0960	(2)H0260	(2) H0260	H0860



② ROD BRACE DETAIL  
SCALE: 3/4" = 1'-0"



⑤ SECTION  
SCALE: 3/4" = 1'-0"

**REVISION RECAP**

1. DATA ACCESS FLOOR
2. STAIRS AT ROOM 111
3. FRONT DOOR CANOPY STRUCTURE.

NO.	DATE	DESCRIPTION	BY
1	06/15/15	ADDENDUM#1	JAG

PREPARED BY:

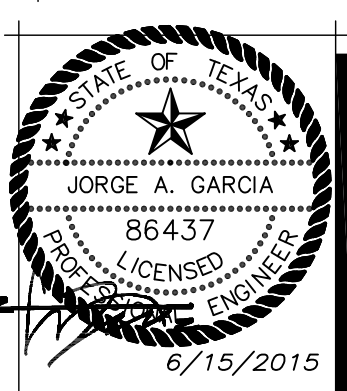
444 EXECUTIVE CENTER BLVD., SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055

This document, whether in hard copy or electronic readable format, is the property of Sitework Engineering L.L.C. and is not to be distributed, copied, or reproduced in any form without the written permission of Sitework Engineering L.L.C. Any use of this document for any purpose other than that intended by Sitework Engineering L.L.C. is strictly prohibited. Sitework Engineering L.L.C. shall not be held responsible for any errors or omissions in this document. The user assumes all liability for any use of this document for any purpose other than that intended by Sitework Engineering L.L.C.

310 N. Mesa St.  
El Paso, TX 79901  
T. 915.219.3166  
F. 915.842.9137  
carlos@llvarch.com  
www.llvarch.com

NEW CLAIMS CENTER FOR:  
**FRED LOYA**  
**INSURANCE**

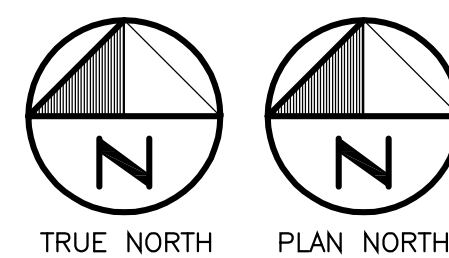
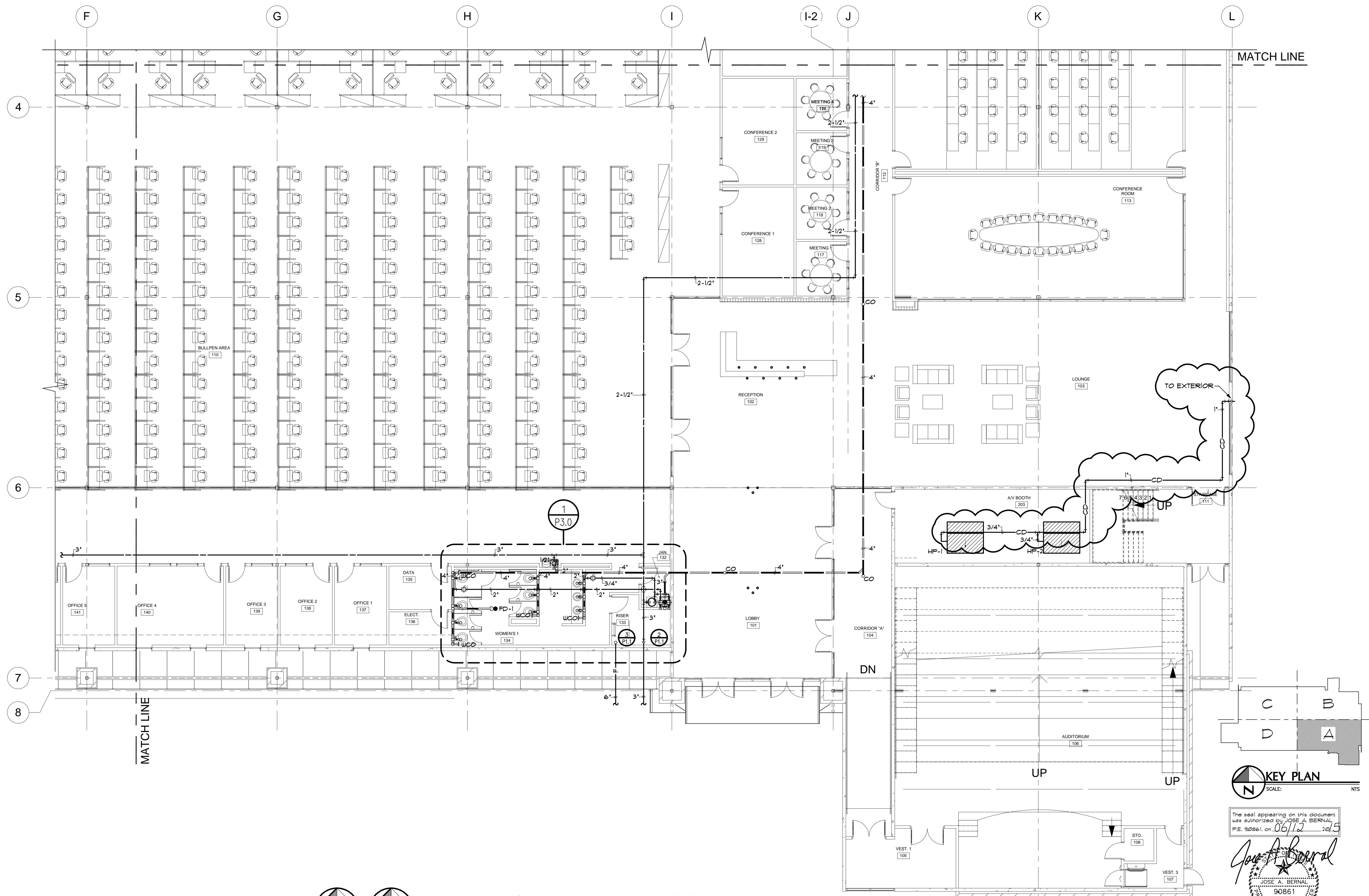
11577 PELLICANO DR.  
EL PASO, TX 79936



Date: SEPTEMBER 25, 2014  
Revised:  
Project No. 1415  
File Name: FRED LOYA CLAIMS CENTER  
Title:

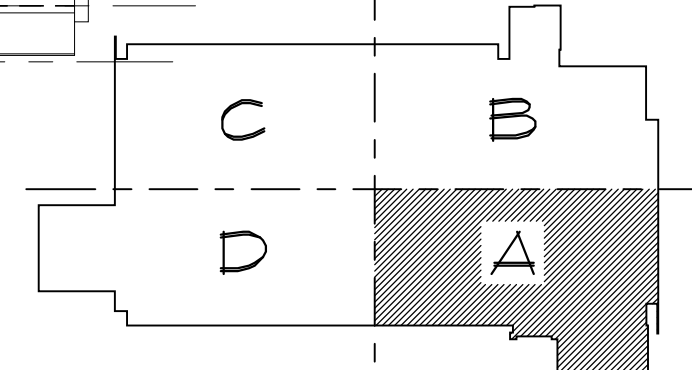
Sheet No. **S-8**  
Sheet 9 of 16





**PARTIAL PLUMBING PLAN - AREA "A"**

SCALE: 1/8" = 1'-0"



**KEY PLAN**  
SCALE: NTS

The seal appearing on this document was authorized by JOSE A. BERNAL, P.E. 90861, on 06/12/2015



**FLUID SYSTEMS, INC.**  
CONSULTING MECHANICAL ENGINEERS  
REGISTRATION NUMBER: F-1161  
12244 RATHMORE DR. • EL PASO, TEXAS 79928  
OFFICE: (915) 856-9420 FAX: (915) 856-9011

310 N. Meza St.  
Building 3000  
El Paso, TX 79901  
T: 915.219.3166  
F: 915.842.9137  
carlos@lievarch.com  
www.lievarch.com



11577 Pelicano Dr.  
El Paso, TX 79906

NEW CLAIMS CENTER FOR:  
**FRED LOYA INSURANCE**

Architect Seal:

Date: 06-12-2015  
Revised:  
Project No. 1469  
Title: PARTIAL PLUMBING PLAN AREA "A"

Sheet No. **P2.0**  
Sheet 4 Of 14

## PRE-BID REQUEST FOR INFORMATION

<b>PROJECT NAME:</b>	New Claims Center for Fred Loya	<b>CUSTOMER:</b>	
<b>LOCATION:</b>	El Paso, TX	<b>ATTENTION:</b>	Jorge Garcia
<b>BID DATE:</b>	6/18/15	<b>EMAIL:</b>	jgarcia@siteworkengineering.com
<b>QUESTION #:</b>	1 & 2	<b>DATE:</b>	6/16/15
<b>ESTIMATOR:</b>	Lani Fabel	<b>REPLY TO:</b>	Lani.fabel@newmill.com

QUESTION:	ANSWER:
1. Sheet S-0 - Net uplift not provided - net wind pressure chart on S-0 is for components & cladding. What net uplift (in psf) is to be applied to open web steel joists?	1. Diagram denotes Gross C&C uplift at roof considering an Effective wind area of 500 sq.ft. Please consider a net uplift of 15 psf for Zone 1, and 19 psf for Zones 2 & 3.
2. Sheet S-4 - Is C6, located at grid line 9 & K, to be bearing on top of girder? If so, what load will be applied to the girder?	2. Yes. Column bears on the top of girder. Refer to steel section on sheet S-14. Please consider DL=5.2k, LL=6.9k (ASD).
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.
11.	11.

Thank You,

Lani R. Fabel  
Sales Estimator  
New Millennium Building Systems  
Direct (775) 428-0618  
lani.fabel@newmill.com