

**BOARD OF COMMISSIONERS OF THE PORT OF NEW ORLEANS**  
**NOTE TO PERSPECTIVE BIDDERS**  
**CONTRACT FOR**  
**HARMONY STREET WHARF**  
**ROOF REPLACEMENT**  
**DAMAGED BY HURRICANE KATRINA**

July 2, 2009

**FOR BIDS DUE ON JULY 8, 2009**  
**AT 2:00 P.M.**

Dear Sirs:

Please note the following:

ADDENDUM NO. 1

GENERAL INFORMATION

The following are responses to contractor questions received via e-mail, letter and or fax:

- Q: The plans only show 2 elevations (north, south, no west), the south elevation has existing translucent panels (partial south & partial west), the plans show installing new panels could you clarify?
- A: Drawing 6A addresses the west elevation and is included as part of this addendum.
- Q: Plans and specs have no dimensions for the cowls, please clarify.
- A: Detail 2 on drawing 7 has been modified to provide reference for cowl dimensions. Revised drawing is part of this addendum.
- Q: Plan # 9 No detail or specs to modify Metal Cladding and is installing 3/4" plywood in our scope of work? Also no where in price schedule.
- A: Drawing 8A has been added to address these issues and is part of this addendum. In addition, a bid item has been added for the plywood.
- Q: Plan # 9, No detail on saddle, is there a detail and/or pictures of this area?
- A: Drawing 8A has been added to address these issues and is part of this addendum.

Q: Details on Harmony Street Wharf do not show fastening system, can we bolt the new purlins to the truss?

A: Section 1 on drawing 8 requires the purlin to be welded to the existing truss. A bolted connection will not be acceptable.

## SPECIFICATIONS

### Item No. 1 – BID FORM

Delete the “Bid Form” issued with June 12, 2009 Bid Documents in its entirety and replace with revised “Bid Form” issued with this Addendum No. 1.

The “BID FORM” is being reissued to add items for plywood sheathing and gable sheet metal flashing.

### Item No. 2 – ARTICLE 45

Delete “Article 45” issued with June 12, 2009 Bid Documents in its entirety and replace with revised “ARTICLE 45” issued with this Addendum No. 1.

“ARTICLE 45” is being reissued to add items for plywood sheathing and gable sheet metal flashing.

### Item No. 3 – SECTION 1000 – GENERAL REQUIREMENTS

Delete sheet numbers 1000-2 and 1000-3 in their entirety and replace with revised sheet numbers 1000-2 and 1000-3 issued with this Addendum No.1.

### Item No. 4 – SECTION 6150 – WOOD DECKING

Delete “SECTION 6150 – WOOD DECKING” in its entirety and replace with the revised “SECTION 6150 – WOOD DECKING” issued with this Addendum No.1.

“SECTION 6150 – WOOD DECKING” is being reissued to add information pertaining to the plywood sheathing.

### Item No. 5 – SECTION 7411 – MISCELLANEOUS METAL

Delete “SECTION 7411 – MISCELLANEOUS METAL” in its entirety and replace with the revised “SECTION 7411 – MISCELLANEOUS METAL” issued with this Addendum No.1.

“SECTION 7411 – MISCELLANEOUS METAL” is being reissued to add information pertaining to the gable sheet metal flashing.

Item No. 6 – SECTION 7514 – MODIFIED BITUMEN ROOFING

(A) Delete paragraph 10.02 in its entirety and replace with the following:

“10.02 Interply Base Sheet: SBS polymer-modified bitumen sheet, complying with ASTM D 4601-98, Type II, tested in accordance with D 146-97, with glass fiber reinforcing fabric, formulated for hot asphalt and cold adhesive application to substrate and cap sheet, with the following additional characteristics:

- A. Nominal Thickness: 0.087 inch.
- B. Sheet Width: 3.3 feet, nominal.”

(B) Delete paragraph 10.03 in its entirety and replace with the following:

“10.03 Base sheet over treated wood deck shall be fastened with non-corrosive nails per manufacturer’s recommendations for wood treatment and weathering. Maximum fastener spacing is as follows:

- A. Field of the roof: 7” o.c. in side laps and 10.5” o.c. in 2 rows equally spaced and staggered in the field of the base sheet.
- B. Corners and perimeter of the roof: 4.5” o.c. in side laps and 6.5” o.c. equally spaced and staggered in the field of the base sheet.

DRAWINGS

Item No. 7 – Drawing No. KRT-12085-1

Delete Drawing No. KRT-12085-1 issued with June 12, 2009 Bid Documents in its entirety and replace with the revised Drawing No. KRT-12085-1 labeled Revision No. 1 issued with this Addendum No. 1.

Item No. 8 – Drawing No. KRT-12085-4

Delete Drawing No. KRT-12085-4 issued with June 12, 2009 Bid Documents in its entirety and replace with the revised Drawing No. KRT-12085-4 labeled Revision No. 1 issued with this Addendum No. 1.

Item No. 9 – Drawing No. KRT-12085-5

Delete Drawing No. KRT-12085-5 issued with June 12, 2009 Bid Documents in its entirety and replace with the revised Drawing No. KRT-12085-5 labeled Revision No. 1 issued with this Addendum No. 1.

Item No. 10 – Drawing No. KRT-12085-6

Delete Drawing No. KRT-12085-6 issued with June 12, 2009 Bid Documents in its entirety and replace with the revised Drawing No. KRT-12085-6 labeled Revision No. 1 issued with this Addendum No. 1.

Item No. 11 – Drawing No. KRT-12085-6A

Drawing No. KRT-12085-6A is hereby added to the contract documents as part of this Addendum No. 1.

Item No. 12 – Drawing No. KRT-12085-7

Delete Drawing No. KRT-12085-7 issued with June 12, 2009 Bid Documents in its entirety and replace with the revised Drawing No. KRT-12085-7 labeled Revision No. 1 issued with this Addendum No. 1.

Item No. 13 – Drawing No. KRT-12085-8A

Drawing No. KRT-12085-8A is hereby added to the contract documents as part of this Addendum No. 1.

ACKNOWLEDGMENT

This notice of Addendum No. 1 is sent to you in duplicate. Upon receipt, please sign and include one copy with your bid; and sign the other copy and return promptly by mail or facsimile to the Port of New Orleans, FAX: (504) 528-3445.

Very truly yours,



Ms. Deborah Keller, P.E.  
Director, Port Development  
Board of Commissioners of  
the Port of New Orleans  
New Orleans, Louisiana

NOTICE ACKNOWLEDGED

\_\_\_\_\_  
(Prospective Bidder)

By: \_\_\_\_\_

Date: \_\_\_\_\_

BID FORM

NOTE: This bid form is issued for receiving bids in conformity with La. R.S. 37:2163 (laws for the licensing of Contractors). Consideration will be given to bids received only from Bidders qualified thereunder. The furnishing of the Contract Documents to persons, firms, or corporations, other than those so qualified under the law, is for information only.

We certify that we are currently licensed  
per the above NOTE as follows:

Bid of \_\_\_\_\_ License No. \_\_\_\_\_  
Address \_\_\_\_\_ Classification \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Date \_\_\_\_\_ Telephone \_\_\_\_\_

To: Board of Commissioners, Port of New Orleans  
1350 Port of New Orleans Place  
New Orleans, Louisiana 70160

Sirs:

We hereby propose to furnish under one contract all superintendence, labor, tools, equipment, materials, transportation, and all other facilities and incidentals of every description, to perform all work (except as may be otherwise specifically provided) required to remove roofing, siding and gutters and install new roofing, siding and gutters. The site is located on the eastbank of the Mississippi River along Clarence Henry Truckway at Harmony Street, in New Orleans, Louisiana as more particularly described under Article 45 and Article 50 (b), in strict conformity therewith, and to the satisfaction of the Board for the following prices listed opposite each bid item:

ITEM NO.	DESCRIPTION	QTY.	UNIT PRICE	ITEM TOTAL
1	Mobilization	lump	\$ _____ lump sum	\$ _____
2	Remove Metal Roofing	34,000 sq. ft.	\$ _____ per sq. ft.	\$ _____
3	Remove Metal Z-shape Spacers	7,000 lin. ft.	\$ _____ per lin. ft.	\$ _____
4	Remove Metal Wall Panels	1,300 sq. ft.	\$ _____ per sq. ft.	\$ _____
5	Galvanized Steel Purlins (W8x10)	320 lin. ft.	\$ _____ per lin. ft.	\$ _____
6	Wood Nailer	8,500 BF	\$ _____ per board foot	\$ _____
6A	Marine-grade Plywood Sheathing	400 sq. ft.	\$ _____ per sq. ft.	\$ _____
7	Tongue and Groove Wood Decking (2"x6")	34,000 sq. ft.	\$ _____ per sq. ft.	\$ _____
8	Stainless Steel Edge Flashing	700 lin. ft.	\$ _____ per lin. ft.	\$ _____
9	Stainless Steel 2-Piece Counter Flashing	200 lin. ft.	\$ _____ per lin. ft.	\$ _____
9A	Gable Sheet Metal Flashing	200 lin. ft.	\$ _____ per lin. ft.	\$ _____
10	Stainless Steel Saddle	2 each	\$ _____ per each	\$ _____
11	Stainless Steel Gutters	360 lin. ft.	\$ _____ per lin. ft.	\$ _____
12	Stainless Steel Cowl	17 each	\$ _____ per each	\$ _____

ITEM NO.	DESCRIPTION	QTY.	UNIT PRICE	ITEM TOTAL
13	Translucent Wall Panels	1,300 sq. ft.	\$ _____ per sq. ft.	\$ _____
14	Roof Membrane	34,000 sq. ft.	\$ _____ per sq. ft.	\$ _____

TOTAL AMOUNT  
OF BID  
(Sum of All Above Items)----- \$ \_\_\_\_\_



We agree that the description under the item (being briefly stated) implies, although it does not necessarily mention, all incidentals, and that the prices stated are intended to be complete and to cover all such work, materials and incidentals that constitute our obligations as described in the specifications, with the foregoing price covering any and every detail not specifically mentioned but evidently included in the contract. The price stated covers as well every cost and expense incurred by us in the performance of the contemplated contract, including, but not limited to, any and all sales and use taxes which might otherwise be charged against the Board.

In accordance with the terms of the specifications and the general and special conditions of the contract documents, especially Article 45 and Article 50, paragraph (f), we propose to begin work at the project site within ten (10) calendar days after date set forth in Notice to Proceed from the Board, and to complete all work within one-hundred twenty (120) consecutive calendar days after date in said Notice to Proceed, subject to the assessment of ascertained and liquidated damages of five hundred dollars (\$500.00) per calendar day of delay.

We agree that we will perform work with our own organization to meet the requirements of Article 46. Upon request of the Board we agree to furnish, within two working days thereafter, a list of work by classes that we will perform with our own organization, and the percentage of the total work that each represents.

We deposit with this bid a certified or cashier's check in the amount of:

\_\_\_\_\_ Dollar(\$\_\_\_\_\_)

Alternatively, we deposit a bid bond, together with "Power of Attorney," written by a surety company meeting all requirements stipulated under INSTRUCTION TO BIDDERS of these documents, in the amount of:

\_\_\_\_\_ Dollar(\$\_\_\_\_\_).

or \_\_\_\_\_ percent of the total bid.

The bid deposit, as above, is at least five percent (5%) of the total bid and is a guarantee that we will, within ten (10) calendar days after receipt of written notice from Board that award is made to us, enter into a notarial contract with the Board as herein provided, and furnish performance bond equal to the amount of contract, or otherwise forfeit the deposit as ascertained, and liquidated damages. Said contract will be entered into the City of New Orleans, at the office of the Notary Public selected by the Board, and whose fee will be paid by the Board. Contract will be executed upon the attached standard forms.

The performance bond hereinabove stipulated will be written by:

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name of company

of

---

address of company

in full complexity with all requirements stipulated under INSTRUCTIONS TO BIDDERS of these documents.

We agree that this bid shall be binding upon us, pending award of contract, for a period of forty-five (45) calendar days after date of opening of bids.

We acknowledge that we have visited the site of the proposed work, have observed the conditions and current operations of the Board and others in the area, and we confirm that we have carefully read the INSTRUCTIONS TO BIDDERS and have complied with the conditions therein.

We acknowledge and have signed receipt(s) for Addendum or Addenda as follows:

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**(Bidders must fill in the above line with the Addendum No. of all Addenda received and acknowledged.)**

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(Bidder's Signature In Ink)

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(Title of Firm In Ink)

(Please supply a document showing person whose signature appears above is duly authorized to sign both the bid and the contract if awarded.)

## ART. 45 - QUANTITIES AND PRICES

The following clauses are intended only to define units of payment, being supplemented by the detail specifications for full description of Contractor's obligations.

Prices stated in the bid are intended to cover full obligations of Contractor. Any and all details not specifically mentioned but evidently included in the contract, shall be compensated for in the item which most logically includes it, and it is understood that Contractor has included cost of such detail in his unit price bid. Removal of scrap, debris, and all surplus materials and clearing of the site during and after construction are paid for under the various items to which they apply.

See Art. 44 for "General Conditions" pertaining to Engineer's Certificates, Payments and Acceptances, particularly those parts of said Articles which pertain to unit price contracts.

Monthly estimates will be in proportion to the amount completed where a lump sum applies to the item, or to units of work, or to units quantities completed to the date of estimate.

### General - Items 1 through 14

The unit price bid for any and all pay items under this contract is understood to include all labor, materials and incidental work as may be required to construct the various items in accordance with Board's drawings and the specifications and to the satisfaction of the Board.

Incidental work is understood to include, but is not necessarily limited to, all labor and materials required for completing work as required in Article 50 (a).

The above mentioned work, as needed, is hereby understood to be included in the price bid for each and every pay item whether or not such work is specifically called for under the various pay items.

### Item No. 1 - Mobilization

The lump sum price bid for this item shall be as defined in "ARTICLE 44a - MOBILIZATION."

### Item No. 2 – Remove Metal Roofing

The unit price per square foot bid for this item shall be full compensation for all labor, material and equipment required for removal and legal disposal of metal roofing (including skylights and gutters) as defined in "SECTION 2060 – DEMOLITION AND REMOVAL OF EXISTING STRUCTURES," as specified herein and as shown on the drawings.

### Item No. 3 – Remove Metal Z-shape Spacers

The unit price per linear foot bid for this item shall be full compensation for all labor, material and equipment required for removal and legal disposal of metal z-shape spacers (including burning existing welds) as defined in “SECTION 2060 – DEMOLITION AND REMOVAL OF EXISTING STRUCTURES,” as specified herein and as shown on the drawings.

### Item No. 4 – Remove Metal Wall Panels

The unit price per square foot bid for this item shall be full compensation for all labor, material and equipment required for removal and legal disposal of metal wall panels (including cutting of existing panels) as defined in “SECTION 2060 – DEMOLITION AND REMOVAL OF EXISTING STRUCTURES,” as specified herein and as shown on the drawings.

### Item No. 5 – Galvanized Steel Purlins (W8x10)

The unit price per linear foot bid for this item shall be full compensation for all labor, material and equipment required to install galvanized steel purlins (including fasteners and hardware) as defined in “SECTION 5100 – STRUCTURAL STEEL,” as specified herein and as shown on the drawings.

### Item No. 6 – Wood Nailer

The unit price per board foot bid for this item shall be full compensation for all labor, material and equipment required to install a wood nailer (including fasteners and miscellaneous hardware) as defined in “SECTION 6150 – WOOD DECKING,” as specified herein and as shown on the drawings.

### Item No. 6A – Marine-grade Plywood Sheathing

The unit price per square foot bid for this item shall be full compensation for all labor, material and equipment required to install  $\frac{3}{4}$ ” marine-grade plywood sheathing (including fasteners and hardware) as defined in SECTION 6150 – WOOD DECKING,” as specified herein and as shown on the drawings.

### Item No. 7 – Tongue and Groove Wood Decking (2”x6”)

The unit price per square foot bid for this item shall be full compensation for all labor, material and equipment required to install wood decking (including fasteners and hardware) as defined in “SECTION 6150 – WOOD DECKING,” as specified herein and as shown on the drawings.

#### Item No. 8 – Stainless Steel Edge Flashing

The unit price per linear foot bid for this item shall be full compensation for all labor, material and equipment required to install stainless steel Edge flashing (including fasteners and hardware) as defined in “SECTION 7411 – MISCELLANEOUS METAL,” as specified herein and as shown on the drawings.

#### Item No. 9 – Stainless Steel 2-Piece Counter Flashing

The unit price per linear foot bid for this item shall be full compensation for all labor, material and equipment required to install stainless steel counter flashing (including fasteners and hardware) as defined in “SECTION 7411 – MISCELLANEOUS METAL,” as specified herein and as shown on the drawings.

#### Item No. 9A – Gable Sheet Metal Flashing

The unit price per linear foot bid for this item shall be full compensation for all labor, material and equipment required to install gable sheet metal flashing (including fasteners and hardware) as defined in “SECTION 7411 – MISCELLANEOUS METAL,” as specified herein and as shown on the drawings.

#### Item No. 10 – Stainless Steel Saddle

The unit price per each bid for this item shall be full compensation for all labor, material and equipment required to install a stainless steel saddle (including fasteners and hardware) as defined in “SECTION 7411 – MISCELLANEOUS METAL,” as specified herein and as shown on the drawings.

#### Item No. 11 – Stainless Steel Gutter

The unit price per linear foot bid for this item shall be full compensation for all labor, material and equipment required to install stainless steel gutters (including straps, fasteners and hardware) as defined in “SECTION 7411 – MISCELLANEOUS METAL,” as specified herein and as shown on the drawings.

#### Item No. 12 – Stainless Steel Cowl

The unit price per each bid for this item shall be full compensation for all labor, material and equipment required to a stainless steel cowl (including fasteners and hardware) as defined in “SECTION 7411 – MISCELLANEOUS METAL,” as specified herein and as shown on the drawings.

Item No. 13 – Translucent Wall Panels

The unit price per linear foot bid for this item shall be full compensation for all labor, material and equipment required to install translucent wall panels (including fasteners and hardware) as defined in “SECTION 7417 – PREFORMED TRANSLUCENT WALL PANELS,” as specified herein and as shown on the drawings.

Item No. 14 – Roofing Membrane

The unit price per square foot bid for this item shall be full compensation for all labor, material and equipment required to install the roof membrane as defined in “SECTION 7514 – MODIFIED BITUMEN ROOFING,” as specified herein and as shown on the drawings.

Contractor shall provide a CD disk(s) at end of project containing all photos taken along with a directory with a description of each view and date each photo was taken.

Failure to submit the monthly progress photographs will be cause for the Board to withhold approval of progress payment until such time that the Contractor submits the required photographs.

#### 4. EMPLOYEE IDENTIFICATION CARDS

As a result of heightened Port security measures, all contractors, consultants, testing laboratory representatives, survey representatives and any other service providers seeking access to Port property must first submit on their company's letterhead a list of all employees authorized to be on Port property. This list shall include the respective project/location for which the employee is assigned to perform work, prior to beginning work. Workers must have an employer issued, pictured ID card and current valid photo credentials to validate identification. In the event any immigrant workers are on site, they must carry dual identification/immigration status credentials. Please provide copies of these employee lists via FAX to Construction Services at 504-528-3278 ; and Harbor Police, Sergeant Dedra Trevigne at 504-528-3384. These lists must be updated and forwarded immediately to both offices prior to any new workers mobilizing to the job site.

Contractor personnel must park offsite of the terminal and be shuttled into the terminal in company-owned vehicles. Company vehicles must have proof of proper insurance. Contractor shall provide to tenants, in advance, a list of the names of personnel requiring access to the terminal and all personnel must have the required picture ID as stated earlier. All personnel must watch a 5 –minute video prior to the first entry into the terminal area.

The U.S. Coast Guard and Transportation Security Administration (TWIC) announced that January 13, 2009 is the Transportation Worker Identification Credential compliance date for facilities located within the Port of New Orleans. Contractors, vendors, suppliers and others entering the Port of New Orleans east bank riverfront facilities from Felicity Street to Nashville Avenue will need to present a personal TWIC card to the security guard. TWIC cards are necessary for EVERY contractor employee wishing entry into a Port of New Orleans facility. Employees requiring entry into the facilities without a TWIC card will need to be escorted at all times by an approved, trained escort, employed by the contractor and trained through the Port of New Orleans Harbor Police. Names of the individuals to be trained as escorts are to be provided to the Harbor Police after the bid is awarded and contract let, for approval and to schedule training. Port of New Orleans personnel will not provide escort services to the contractor under any circumstances. For additional information on obtaining a TWIC card go to [www.tsa.gov/what\\_we\\_do/layers/twic/twic\\_faqs.shtm](http://www.tsa.gov/what_we_do/layers/twic/twic_faqs.shtm).

5. SAFETY ATTIRE

All personnel who enter Port terminals in areas with cargo or construction activity, may be denied access if a hard hat and a safety vest is not worn.

6. MEASUREMENT AND PAYMENT

No separate measurement for payment will be made for work performed and for materials furnished under this section of the specifications for clean-up or construction photographs.

No pay item will be available for clean up or construction photos.



## SECTION 6150 - WOOD DECKING

### PART 1 – GENERAL

#### 1. SCOPE

The work covered by this section consists of furnishing all plant, labor, equipment and materials and performing all operations necessary for installing tongue and groove wood roof decking and wood nailer strips as specified herein and shown on the contract drawings.

#### 2. REFERENCES

##### 2.01 American Institute of Timber Construction (AITC):

- a.) AITC 108 – Standard for Heavy Timber Construction
- b.) AITC 112 – Standard for Tongue and Groove Heavy Timber Decking

##### 2.02 American Lumber Standards Committee (ALSC):

ALSC – Softwood Lumber Standards

##### 2.03 American Wood Preservers Association (AWPA):

AWPA UC2 – All Timber Products Preservative Treatment by Pressure Process

##### 2.04 National Forest Products Association (NFPA):

NFPA – Lumber Grading Rules

##### 2.05 Southern Pine Inspection Bureau (SPIB):

SPIB – Lumber Grading Rules

#### 3. SUBMITTALS

3.01 Shop Drawings: Indicate deck framing system, bearing details, connections and span layout.

3.02 Product data: Submit technical data on wood preservative materials.

#### 4. QUALITY ASSURANCE

4.01 Perform work in accordance with the following:

Lumber Grading Agency: Certified by AITC 112.

#### 5. QUALIFICATIONS

5.01 Manufacturer: Company specializing in manufacturing products specified in this section with minimum three (3) years experience.

5.02 Installer: Company specializing in performing Work of this section with minimum three (3) years experience.

#### 6. DELIVERY, STORAGE AND HANDLING

6.01 Protect timber members in accordance with AITC requirements.

6.02 Timbers shall be stored in area shown on the contract drawings.

### PART 2 – PRODUCTS

#### 7. MATERIALS

7.01 Lumber shall be graded in accordance with rules set forth in the SPIB.

7.02 Lumber Decking: Tongue and Groove (Southern Yellow Pine species), treated, commercial grade, 15% maximum moisture content; single tongue. Deck thickness shall match existing deck thickness.

7.03 Wood Nailers: Southern Yellow Pine, grade 2 dense, treated for exterior exposure, non-ground contact.

7.04 Plywood Sheathing: Sheathing shall be APA Marine EXT conforming to PS1-07.

#### 8. ACCESSORIES

8.01 Fasteners and Anchors:

All nails fastening stainless steel flashing shall be stainless steel. Unless noted otherwise, all other nails/fasteners, washers, and nuts shall be hot-dip galvanized.

9. WOOD TREATMENT (Tongue and Groove Decking and Nailers)
  - 9.01 Wood Preservative (Pressure Treatment): AWPA Treatment UC2 using water borne preservative with 0.25lbs/cu. ft. retention.
  - 9.02 Moisture Content after treatment (kiln dried):
    - a.) Lumber (nailer): 19% max.
    - b.) Tongue and Groove decking: 15% max.

### PART 3 – EXECUTION

#### 10. EXAMINATION

Verify support framing is ready to receive decking.

#### 11. PREPARATION

Coordinate placement of support items.

#### 12. SITE APPLIED WOOD TREATMENT

12.01 Brush apply two (2) coats of preservative treatment on site-sawn cuts.

12.02 Allow preservative to dry prior to erecting members.

#### 13. INSTALLATION – LUMBER DECKING

13.01 Install decking perpendicular to framing members as shown on the contract drawings.

13.02 Fit butt end deck joints occurring between support members with metal splines to maintain tight, aligned joints.

13.03 Engage decking tongue and groove edges.

13.04 Secure with fasteners.

#### 14. MEASUREMENT AND PAYMENT

Measurement for wood nailers shall be made by the board foot.

Measurement for marine-grade plywood sheathing shall be made by the square foot.

Measurement for wood tongue and groove wood decking shall be made by the square foot.

Payment for wood nailers including fasteners shall be made per board foot at the price bid for "Item No. 6 – Wood Nailer," which payment shall be full compensation for all labor, material and equipment required to install new wood nailer including fasteners as specified herein and as shown on the contract drawings.

Payment for  $\frac{3}{4}$ " marine-grade plywood sheathing (including fasteners and hardware) shall be made per square foot at the price bid for "Item No. 6A – Marine-grade Plywood Sheathing," which payment shall be full compensation for all labor, material and equipment required to install  $\frac{3}{4}$ " marine-grade plywood sheathing (including fasteners and hardware as specified herein and as shown on the contract drawings.

Payment for tongue and groove wood decking (including fasteners and hardware) shall be made per square foot at the price bid for "Item No. 7 – Tongue and Groove Wood Decking (2" x 6")," which payment shall be full compensation for all labor, material and equipment required to install new tongue and groove wood decking including fasteners as specified herein and as shown on the contract drawings.

## SECTION 7411 - MISCELLANEOUS METAL

### PART 1 - GENERAL

#### 1. SCOPE

This section covers the furnishing of all materials, labor, tools and equipment and performing all work required to fabricate and install stainless steel metal gutters, straps, cowls, and roofing sheet metal flashing as shown on the drawings and as specified herein.

#### 2. REFERENCES

##### American Society for Testing and Materials (ASTM)

A240-08                      Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

A480-08a                     Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip

#### 3. SUBMITTALS

Product Data: Include manufacturer's product specifications, standard details, certified product test results, and general recommendations, as applicable to materials and finishes for each component and for total panel assemblies.

Shop Drawings: Show details of metal gutter, including shape, size, thickness, attachment, etc., at a minimum scale of 3"=1'-0".

Contractor shall provide material certificates to Architect/Engineer.

#### 4. QUALITY ASSURANCE

Installer Qualifications: Engage an experienced installer and employer of workers trained and approved by manufacturer who has completed sheet metal fabrication and installation for roofing projects similar in material, design, and extent to that indicated for this Project. The sheet metal contractor must have documented experience under the same company name for a minimum of five (5) years.

Gutters, cowls, and sheet metal flashing shall be installed by the sheet metal contractor in accordance with requirements of Sheet Metal and Air Conditioners' National Association (SMACNA), Architectural Sheet Metals Manual, Sixth Edition.

5. WARRANTY

All work and materials shall be guaranteed in writing to remain in serviceable condition, completely free of defects in material and workmanship for a period of two (2) years from date of final acceptance.

6. DELIVERY, STORAGE, AND HANDLING

Deliver materials so they will not be damaged or deformed. Package panels for protection against damage during transportation or handling.

Handling: Exercise care in unloading, storing, and erecting materials to prevent bending, warping, twisting, and surface damage.

Store materials in a dry place or cover with tarpaulins to prevent damage from weather. Do not store materials in contact with other materials that might cause staining, denting, or other surface damage.

PART 2 - PRODUCTS

7. GUTTERS, COWLS, AND ROOFING SHEET METAL FLASHINGS

7.01 Gutters, cowls, edge flashing and counter flashing shall be formed from sheet metal to shape, thickness, and dimensions as shown on contract drawings. Metal shall be 316 stainless steel.

7.02 Gable sheet metal flashing shall be formed from Galvalume sheet conforming to ASTM A 782-87a. Finish to match existing.

PART 3 - EXECUTION

8. INSTALLATION

8.01 Gutters, cowls, and sheet metal flashings shall be installed in accordance with details shown in the contract drawings.

8.02 Flashing at Walls: Install weathertight flashing at all walls that the roofing membrane abuts to; extend flashing at least 8 inches (200 mm) high above membrane surface.

A. Use the longest practical flashing pieces.

- B. Evaluate the substrate and overlay and adjust installation procedure in accordance with membrane manufacturer's recommendations.
  - C. Complete the splice between flashing and the main roof sheet with specified splice adhesive before adhering flashing to the vertical surface.
  - D. Provide termination directly to the vertical substrate as shown on roof drawings.
- 8.03 Coordinate installation of products with installation of roof deck and other substrates, vapor retarders, roofing insulation, roofing membrane, flashing and wall construction, as required to ensure that combined elements are waterproof and weathertight. Anchor products securely to structural substrates to withstand lateral and thermal stresses and inward and outward loading pressures.
- 8.04 Isolation: Where metal surfaces of units contact dissimilar metal or corrosive substrates, including wood, apply bituminous coating on concealed metal surfaces or provide other permanent separation as recommended in writing by manufacturer.
- 8.05 Expansion Provisions: Install running lengths to allow controlled expansion for movement of metal components in relation not only to one another but also to adjoining dissimilar materials, including flashing and roofing membrane materials, in a manner sufficient to prevent water leakage, deformation, or damage.
- 8.06 Immediately after installation, clean exposed metal surfaces according to manufacturer's written instructions.
- 8.07 Damaged Units: Replace panels and other components of the Work that have been damaged or have deteriorated beyond successful repair by finish touch-up or similar minor repair procedures as per manufacturer's recommendations.

## 9. MEASUREMENT AND PAYMENT

Measurement for stainless steel flashing shall be made by the linear foot.

Measurement for gable sheet metal flashing shall be made by the linear foot.

Measurement for stainless steel gutters shall be made by the linear foot.

Measurement for stainless steel saddles shall be made per each.

Measurement for stainless steel cowls shall be made by each.

Payment for installing stainless steel edge flashing (including fasteners and hardware) shall be at the contract unit price per linear foot bid for "Item No. 8 – Stainless Steel Edge Flashing," which payment shall be full compensation for all labor, material and equipment for installing stainless steel edge flashing (including fasteners and hardware) as shown on the drawings and as specified herein.

Payment for installing stainless steel counter flashing (including fasteners and hardware) shall be at the contract unit price per linear foot bid for "Item No. 9 – Stainless Steel Counter Flashing," which payment shall be full compensation for all labor, material and equipment for installing stainless steel counter flashing (including fasteners and hardware) as shown on the drawings and as specified herein.

Payment for installing gable sheet metal flashing (including fasteners, hardware and finish) shall be made at the contract unit price per linear foot bid for "Item No. 9A – Gable Sheet Metal Flashing," which payment shall be full compensation for all labor, material and equipment for installing gable sheet metal flashing (including fasteners, hardware and finish) as shown on the drawings and as specified herein.

Payment for installing a stainless steel saddle (including fasteners and hardware) shall be at the contract unit price per each bid for "Item No. 10 – Stainless Steel Saddle," which payment shall be full compensation for all labor, material and equipment for installing a stainless steel saddle (including fasteners and hardware) as shown on the drawings and as specified herein.

Payment for installing stainless steel gutters (including clips, fasteners and hardware) shall be at the contract unit price per linear foot bid for "Item No. 11 – Stainless Steel Gutters," which payment shall be full compensation for all labor, material and equipment for installing stainless steel gutters (including clips, fasteners and hardware) as shown on the drawings and as specified herein.

Payment for installing stainless steel cowls (including fasteners and hardware) shall be at the contract unit price per each bid for "Item No. 12 – Stainless Steel Cowl," which payment shall be full compensation for all labor, material and equipment for installing stainless steel cowls (including clips, fasteners and hardware) as shown on the drawings and as specified herein.



BOARD OF COMMISSIONERS OF THE PORT OF NEW ORLEANS  
ENGINEERING AND CONSTRUCTION  
ATTENDANCE RECORD

Date: 6/26/09 Location: Harmony Street Shed

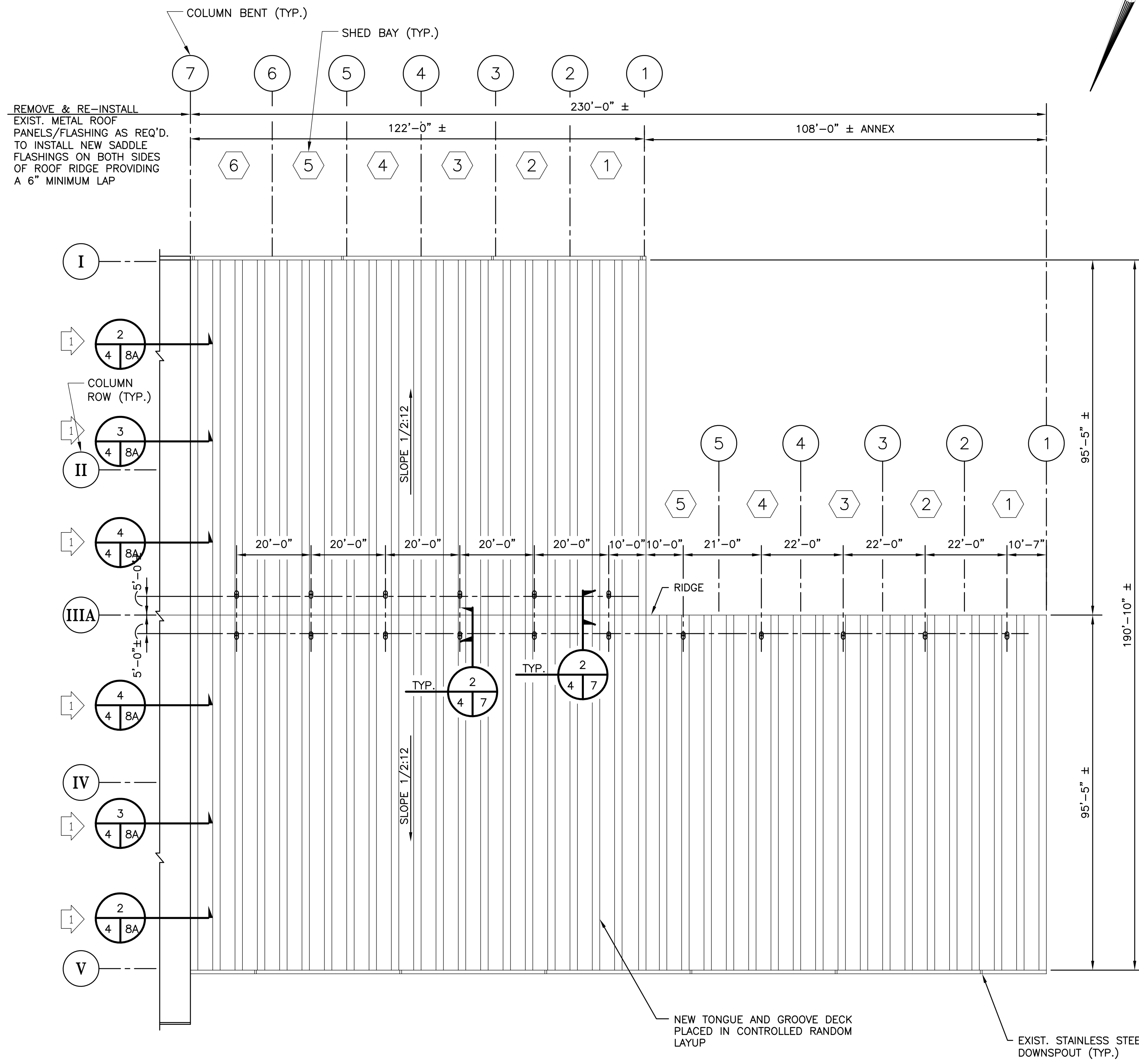
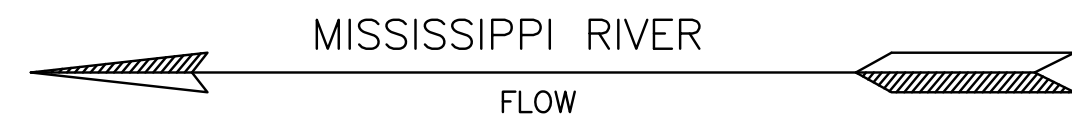
Purpose: Prebid Preconstruction Other:  
Project: Harmony Street Wharf Roof Replacement Damaged by Hurricane Katrina  
Req. 053477 Work Order: 2-620

Name	Company	Telephone	Email
Warren Soileau Jr.	Warren Soileau Jr. Commercial Contractors	985-637-8765	Lil-Pirate2000@yahoo
Randy Gaultford	DBL	504-382-5151	RICWRAN@CHARTER.NET
Clifford Brown	Carriere-Stumm	504-891-8833	Clifford@carriere-stumm.com
ERIC White	Southern Odenwald	504 234 1014	EWhite75@cox.net
STEVE LEBLANC	ZIMMER-BENNETT II LLC	504-827-1902	STALZER@BLSOUTH.NET
Rob Anderson	Leutfried Roofing Sheet Metal	985-542-0900	Rob@LRASm.net
Mike Sebastian	Jolly Roofing	901-331-9034	msebastian@jollyroofing.com
Garrret Thornton	ACME Roofing	334-983-3571	gonthr@aol.com
Hope Pleckam <sup>for Carol</sup> <del>Ballhazer</del>	La River Works	504-896-9600	laRiverworks@aol.com
Randall Cook	True-wall enterprise	504-341-7249	CRiley@nocoxmail.com

BOARD OF COMMISSIONERS OF THE PORT OF NEW ORLEANS  
ENGINEERING AND CONSTRUCTION  
ATTENDANCE RECORD

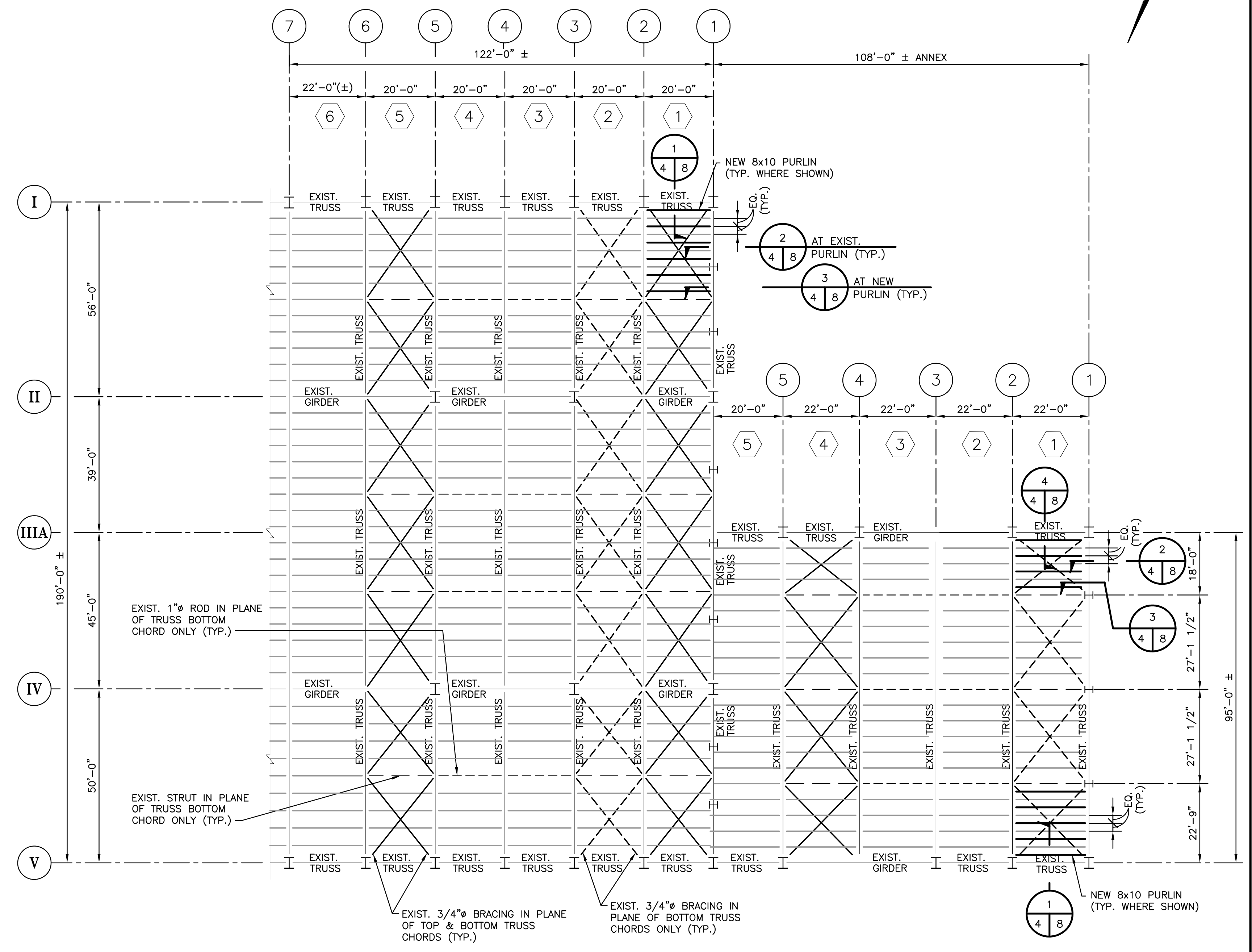
Name	Company	Telephone	Email
Rogers DAVIS Sr	DAVIS SCRAP	(504) 481-1744	NONE
Daniel Rocheleau	Camco	504 464 4644	drocheleau2000@yahoo.com
DAVE GLYNN	LH 5	833-5300	
Septor Boncut	LH/U	"	
Rick Hurd.	Rycars cons	504-481-7072	rick.Hurd@rycars.com
Tim Cullett	Western Waterproof	504-737	Tim C @ Western
Walker Fersch	L7	4132	Waterproofing, Com
ANDRE HALABURDA	KD BUILDER, LLC	504-202 4464	ADMIN@KDHOMES BUILDER.COM
Tim Koenig	BKI/PONO	528-3561	Koenigt@portno.com
MARIANO MATA	MDM/PONO	528-3289	MATA@PORTNO.COM





**NEW ROOF PLAN**

SCALE: 1"=20'



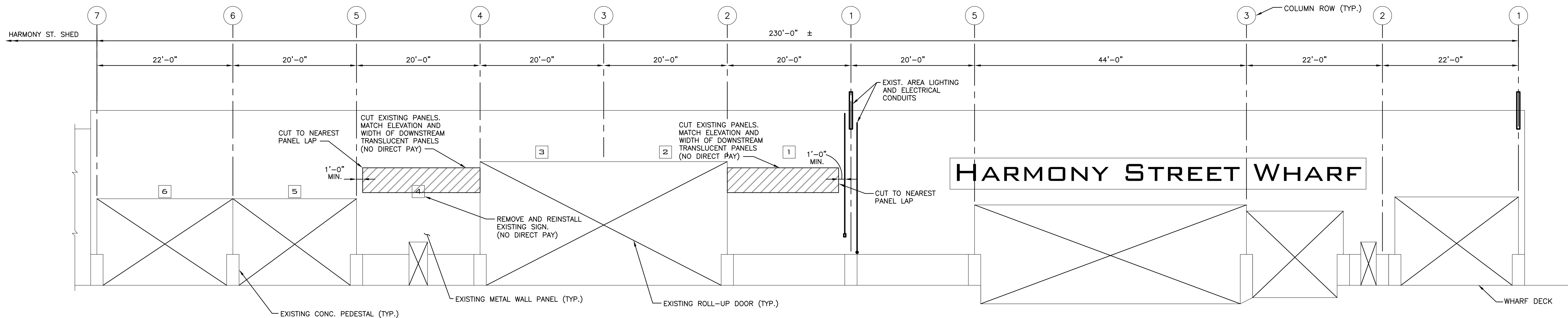
**NEW ROOF FRAMING PLAN**

SCALE: 1"=20'

REV. 7	BY	DATE	REV. 6	BY	DATE	REV. 5	BY	DATE	REV. 4	BY	DATE	REV. 3	BY	DATE	REV. 2	BY	DATE	REV. 1	BY	DATE
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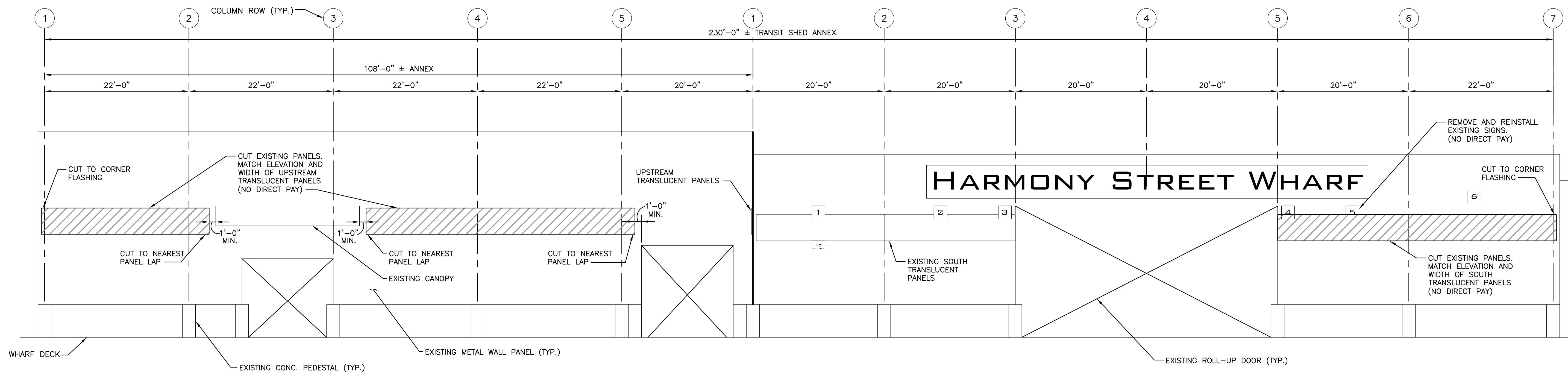
ADDENDUM NO. 1

CONSULTING ENGINEERS  <b>LINFIELD, HUNTER &amp; JUNIUS, INC.</b> PROFESSIONAL ENGINEERS AND ARCHITECTS 3608 18th Street, Suite 200 Metairie, Louisiana 70002	<b>BOARD OF COMMISSIONERS</b> <b>PORT OF NEW ORLEANS</b>
	HARMONY STREET WHARF <b>ROOF REPLACEMENT</b> PARTIAL ROOF PLAN - NEW FRAMING AND PANELS
©2009 by Linfield, Hunter & Junius, Inc. DRAWN: LHJ DESIGNED: LHJ CHECKED: LHJ APPROVED: LHJ	SCALE: AS SHOWN      DATE: 06/12/09  DEBORAH D. KELLER, P.E. PORT PROJECT ENGINEER
IDENTIFICATION NO.	DWG. NO: <b>KRT-12085-4</b> REQ: 053477



**CITY SIDE ELEVATION-DEMOLITION**

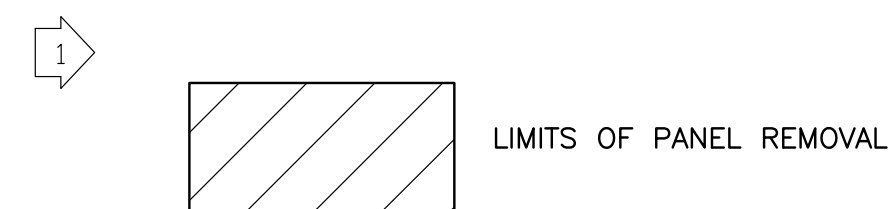
SCALE 1/8"=1'-0"



**RIVER SIDE ELEVATION-DEMOLITION**

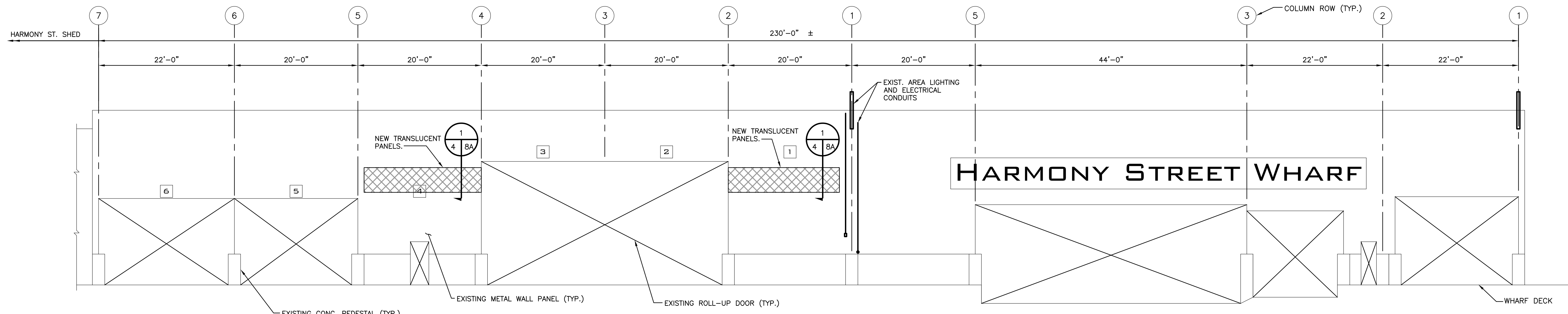
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**LEGEND**

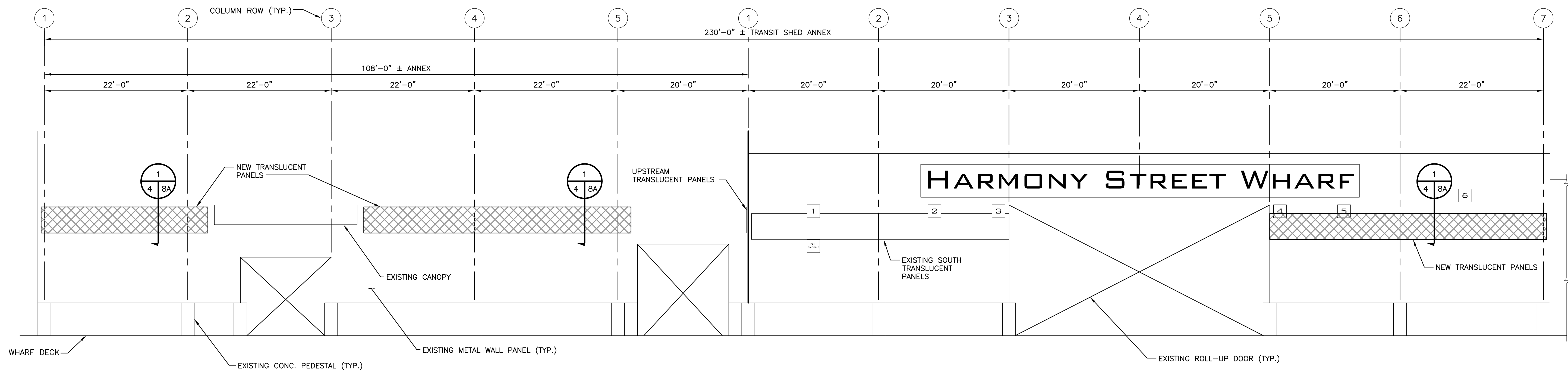


REV. 7	BY	DATE	REV. 6	BY	DATE	REV. 5	BY	DATE	REV. 4	BY	DATE	REV. 3	BY	DATE	REV. 2	BY	DATE	REV. 1	BY	DATE	ADDENDUM NO. 1
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CONSULTING ENGINEERS <b>LINFIELD, HUNTER &amp; JUNIUS, INC.</b> PROFESSIONAL ENGINEERS AND ARCHITECTS 3608 18th Street, Suite 200 Metairie, Louisiana 70002 <small>©2009 by Linfield, Hunter &amp; Junius, Inc.</small>	<b>BOARD OF COMMISSIONERS</b> <b>PORT OF NEW ORLEANS</b>
	HARMONY STREET WHARF <b>ROOF REPLACEMENT</b> WALL ELEVATIONS - DEMOLITION
DRAWN: L H J DESIGNED: L H J CHECKED: L H J APPROVED: L H J	SCALE: AS SHOWN      DATE: 06/12/09  DEBORAH D. KELLER, P.E. PORT PROJECT ENGINEER
IDENTIFICATION NO.	DWG. NO: <b>KRT-12085-5</b> REG. 053477

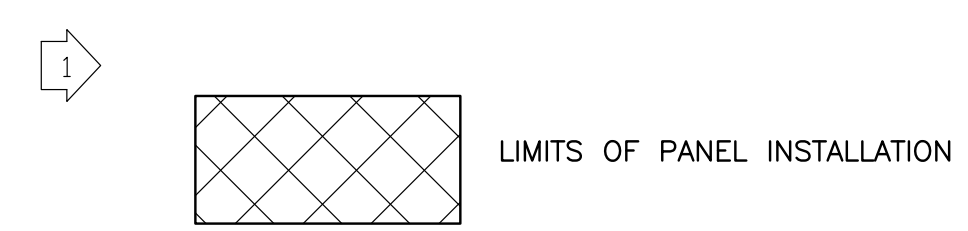


**CITY SIDE ELEVATION-IMPROVEMENTS**   
SCALE 1/8"=1'-0"



**RIVER SIDE ELEVATION-IMPROVEMENTS**   
SCALE 1/8"=1'-0"

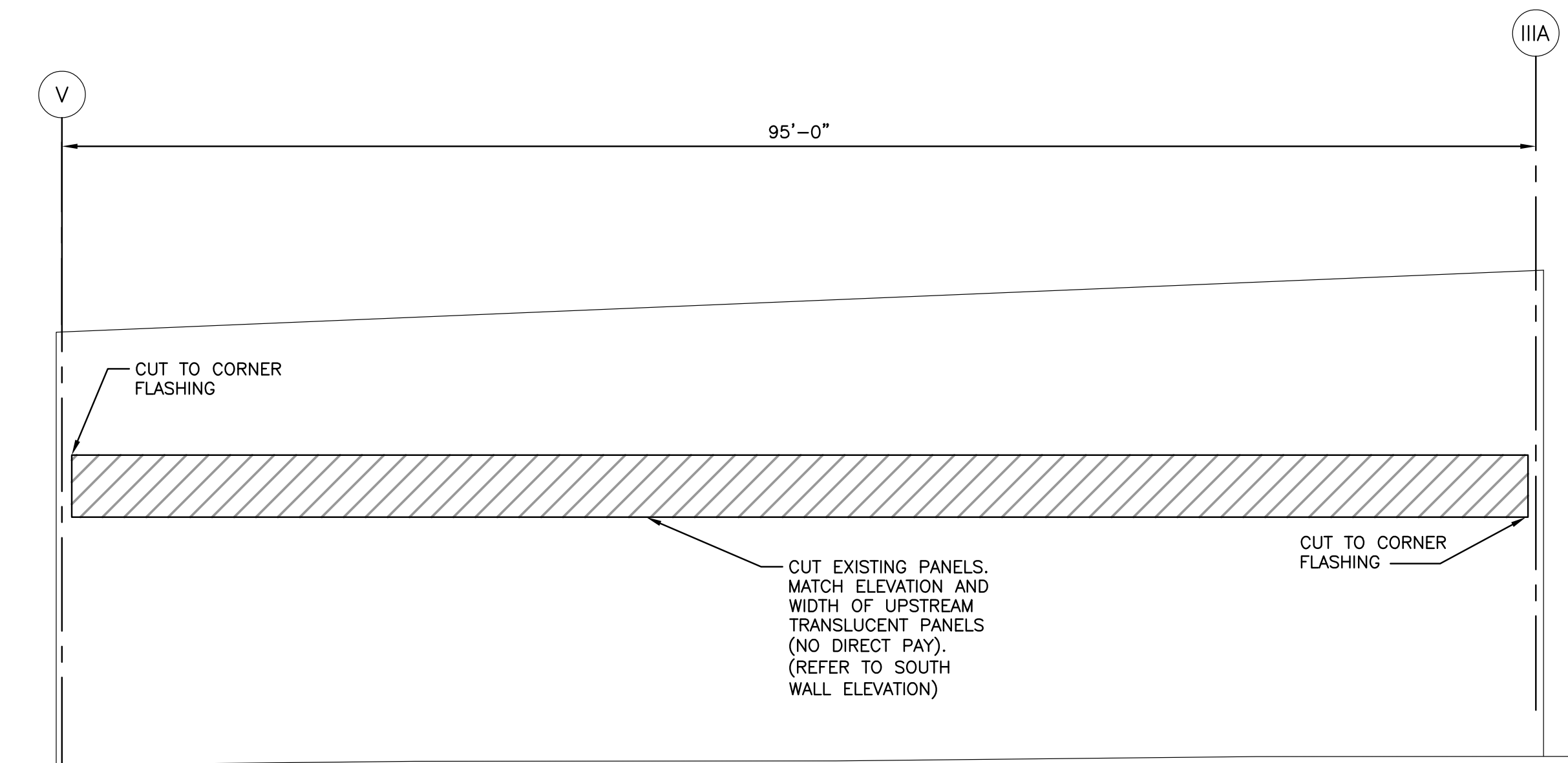
**LEGEND**



REV. 7	BY	DATE	REV. 6	BY	DATE	REV. 5	BY	DATE	REV. 4	BY	DATE	REV. 3	BY	DATE	REV. 2	BY	DATE	REV. 1	BY	DATE	ADDENDUM NO. 1

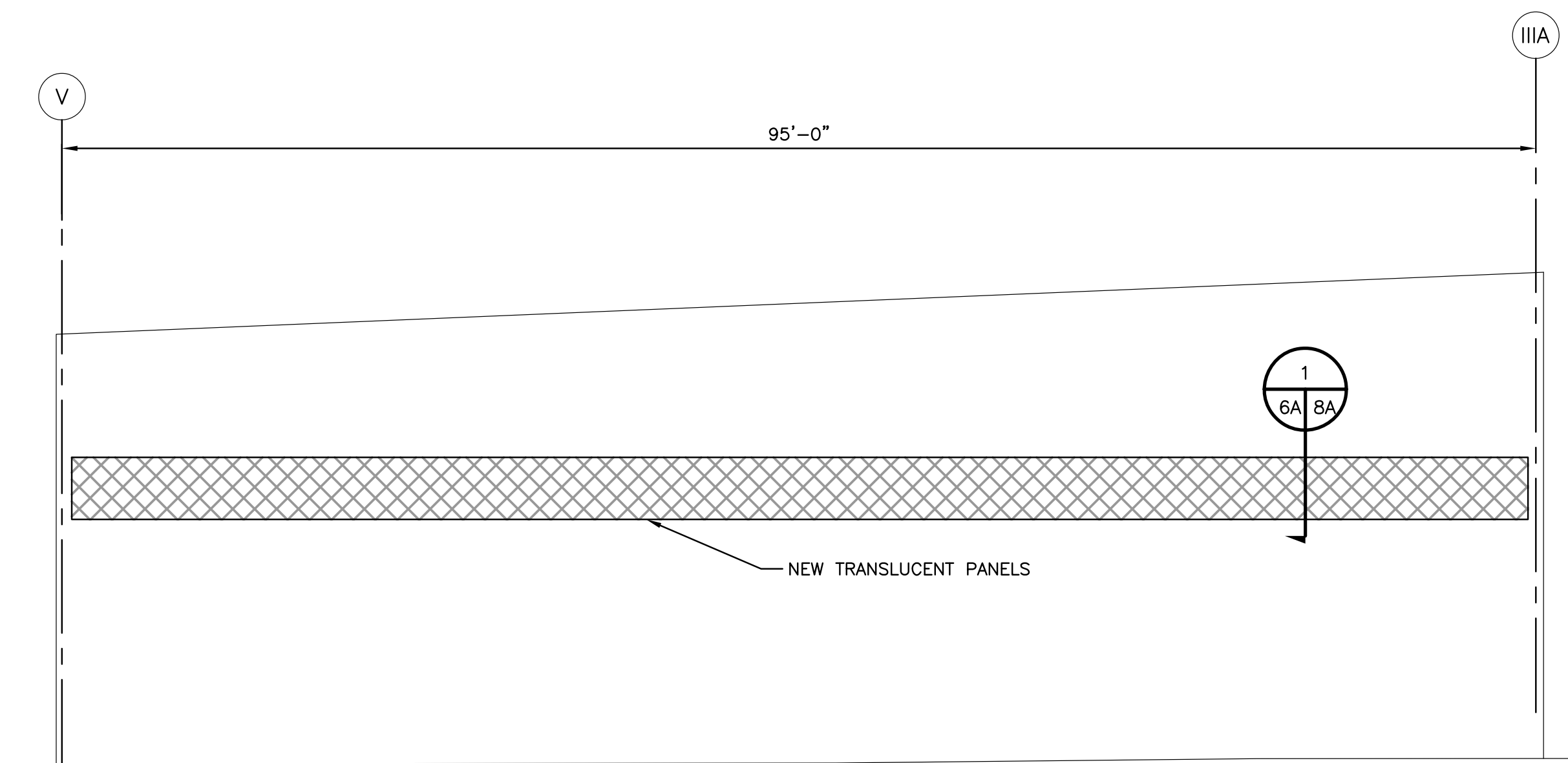
CONSULTING ENGINEERS  <b>LINFIELD, HUNTER &amp; JUNIUS, INC.</b> PROFESSIONAL ENGINEERS AND ARCHITECTS 3608 18th Street, Suite 200 Metairie, Louisiana 70002 <small>©2009 by Linfield, Hunter &amp; Junius, Inc.</small>	<b>BOARD OF COMMISSIONERS</b> <b>PORT OF NEW ORLEANS</b>
	HARMONY STREET WHARF <b>ROOF REPLACEMENT</b> WALL ELEVATIONS - IMPROVEMENTS SCALE AS SHOWN DATE 06/12/09 DEBORAH D. KELLER, P.E. PORT PROJECT ENGINEER
DRAWN L.H.J. DESIGNED L.H.J. CHECKED L.H.J. APPROVED L.H.J. IDENTIFICATION NO.	DWG. NO. <b>KRT-12085-6</b> REG. 053477





**UPSTREAM WALL ELEVATION—DEMOLITION**

SCALE 1/8"=1'-0"




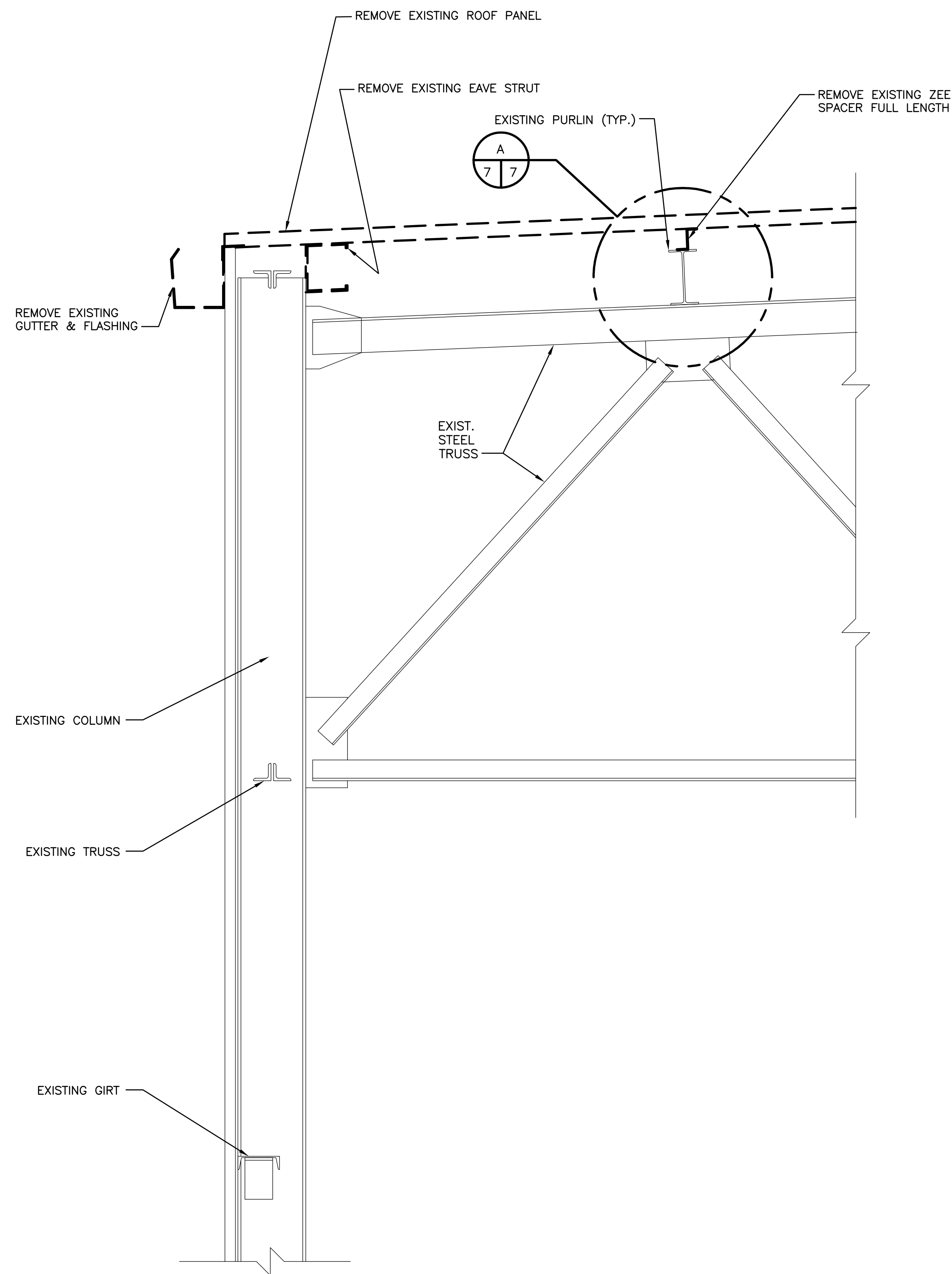
**UPSTREAM WALL ELEVATION—IMPROVEMENTS**

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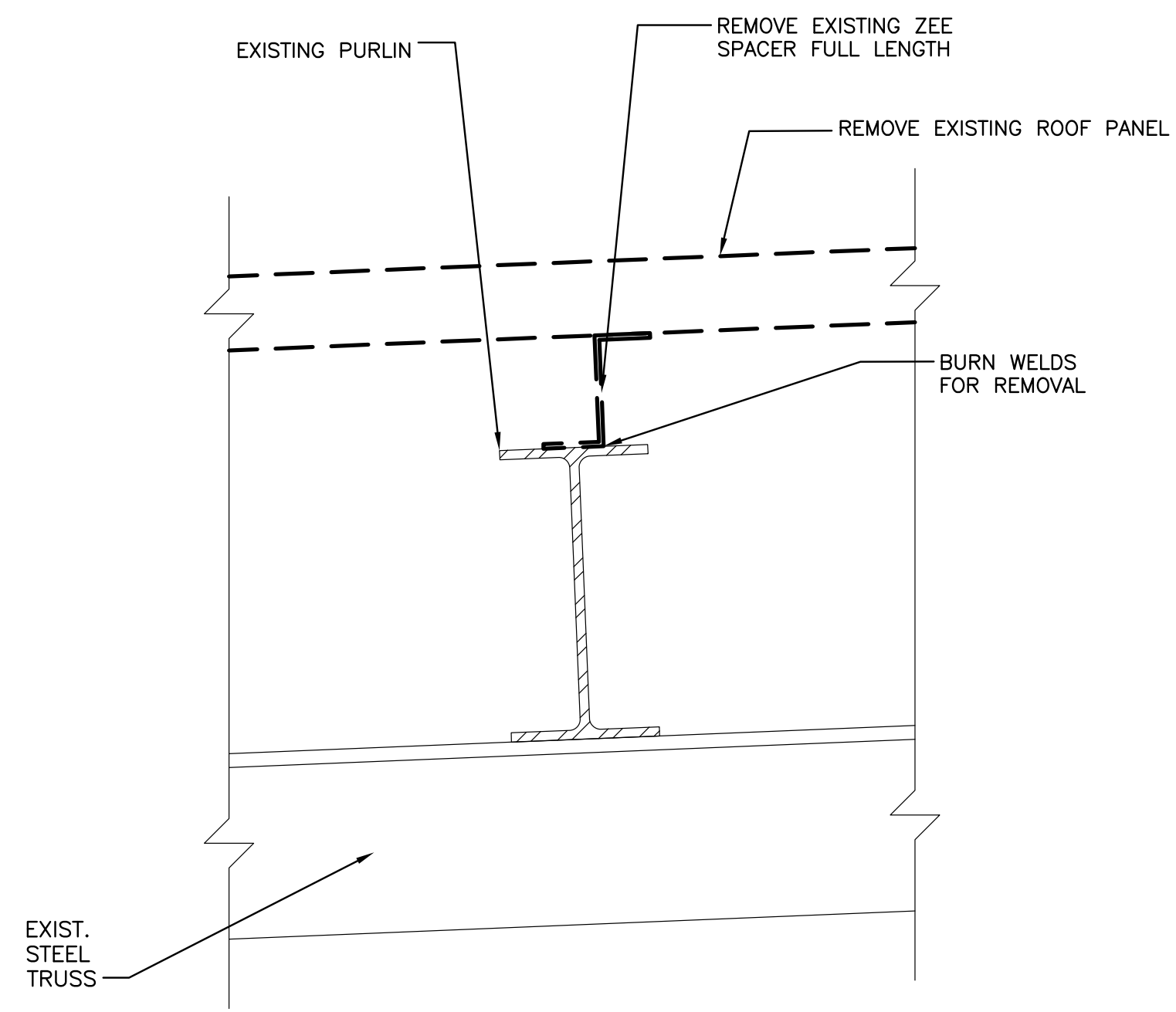
REV. 7	BY	DATE	REV. 6	BY	DATE	REV. 5	BY	DATE	REV. 4	BY	DATE	REV. 3	BY	DATE	REV. 2	BY	DATE	REV. 1	BY LHJ	DATE 7/2/09
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ADDENDUM NO. 1  
SHEET ADDED

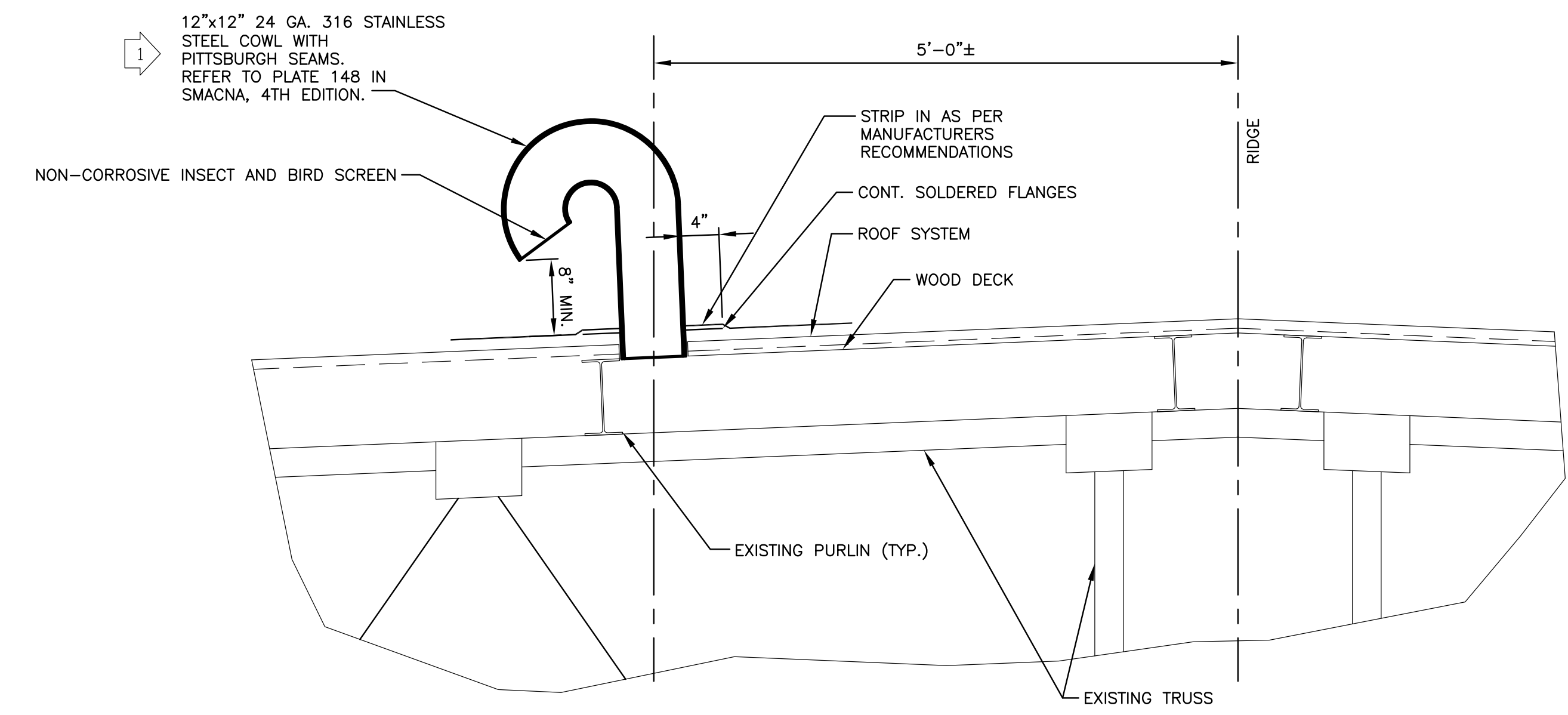
CONSULTING ENGINEERS  <b>LINFIELD, HUNTER &amp; JUNIUS, INC.</b> PROFESSIONAL ENGINEERS AND ARCHITECTS 3608 18th Street, Suite 200 Metairie, Louisiana 70002 <small>©2009 by Linfield, Hunter &amp; Junius, Inc.</small>	<b>BOARD OF COMMISSIONERS PORT OF NEW ORLEANS</b>	
	HARMONY STREET WHARF <b>ROOF REPLACEMENT</b> UPSTREAM WALL ELEVATIONS	
DRAWN: LHJ DESIGNED: LHJ CHECKED: LHJ APPROVED: LHJ IDENTIFICATION NO.	SCALE AS SHOWN	DATE 06/12/09  DEBORAH D. KELLER, P.E. PORT PROJECT ENGINEER
DWG. NO. <b>KRT-12085-6A</b>		REG. 053477



**SECTION 1**  
SCALE 1"=1'-0"



**DETAIL**  
SCALE 3"=1'-0"

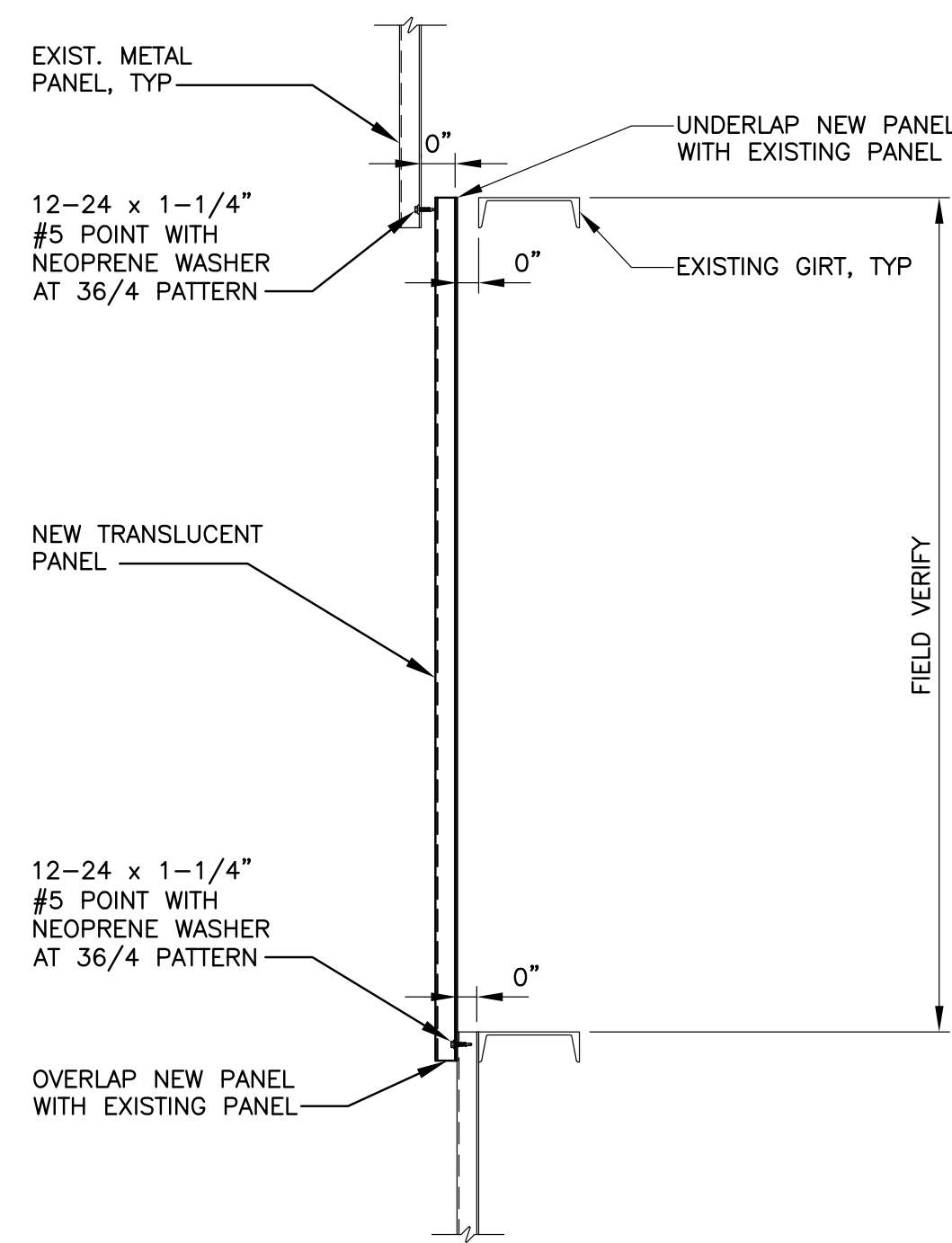


**SECTION 2**  
SCALE 1"=1'-0"

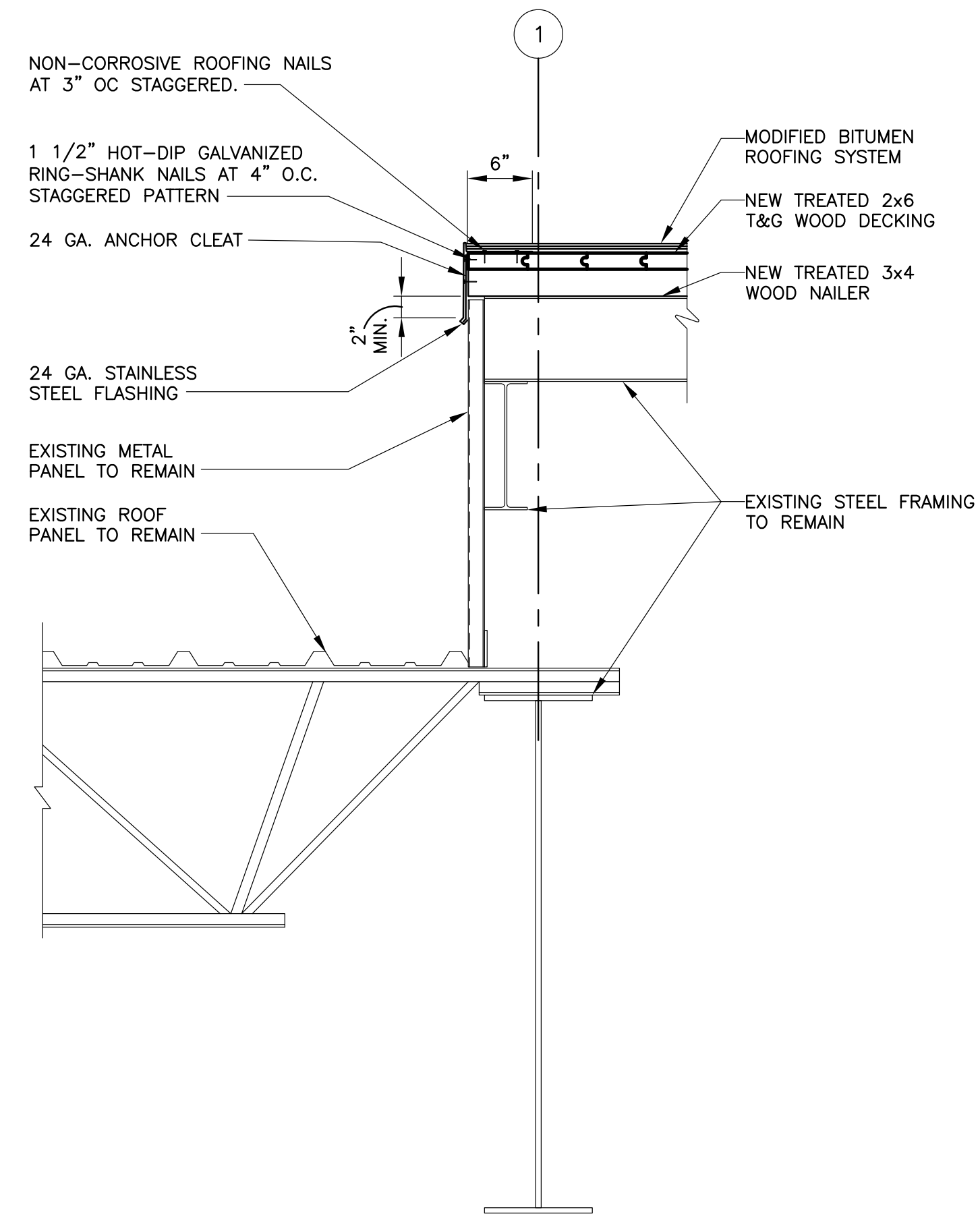
REV. 7	BY	DATE	REV. 6	BY	DATE	REV. 5	BY	DATE	REV. 4	BY	DATE	REV. 3	BY	DATE	REV. 2	BY	DATE	REV. 1	BY	DATE	ADDENDUM NO. 1

CONSULTING ENGINEERS <b>LINFIELD, HUNTER &amp; JUNIUS, INC.</b> PROFESSIONAL ENGINEERS AND ARCHITECTS 3608 18th Street, Suite 200 Metairie, Louisiana 70002 <small>©2009 by Linfield, Hunter &amp; Junius, Inc.</small>	<b>BOARD OF COMMISSIONERS PORT OF NEW ORLEANS</b>	
	HARMONY STREET WHARF <b>ROOF REPLACEMENT</b> DETAILS	
DRAWN: L H J DESIGNED: L H J CHECKED: L H J APPROVED: L H J IDENTIFICATION NO.	SCALE: AS SHOWN DATE: 06/12/09 DEBORAH D. KELLER, P.E. PORT PROJECT ENGINEER	DWG. NO: <b>KRT-12085-7</b> REG. 053477

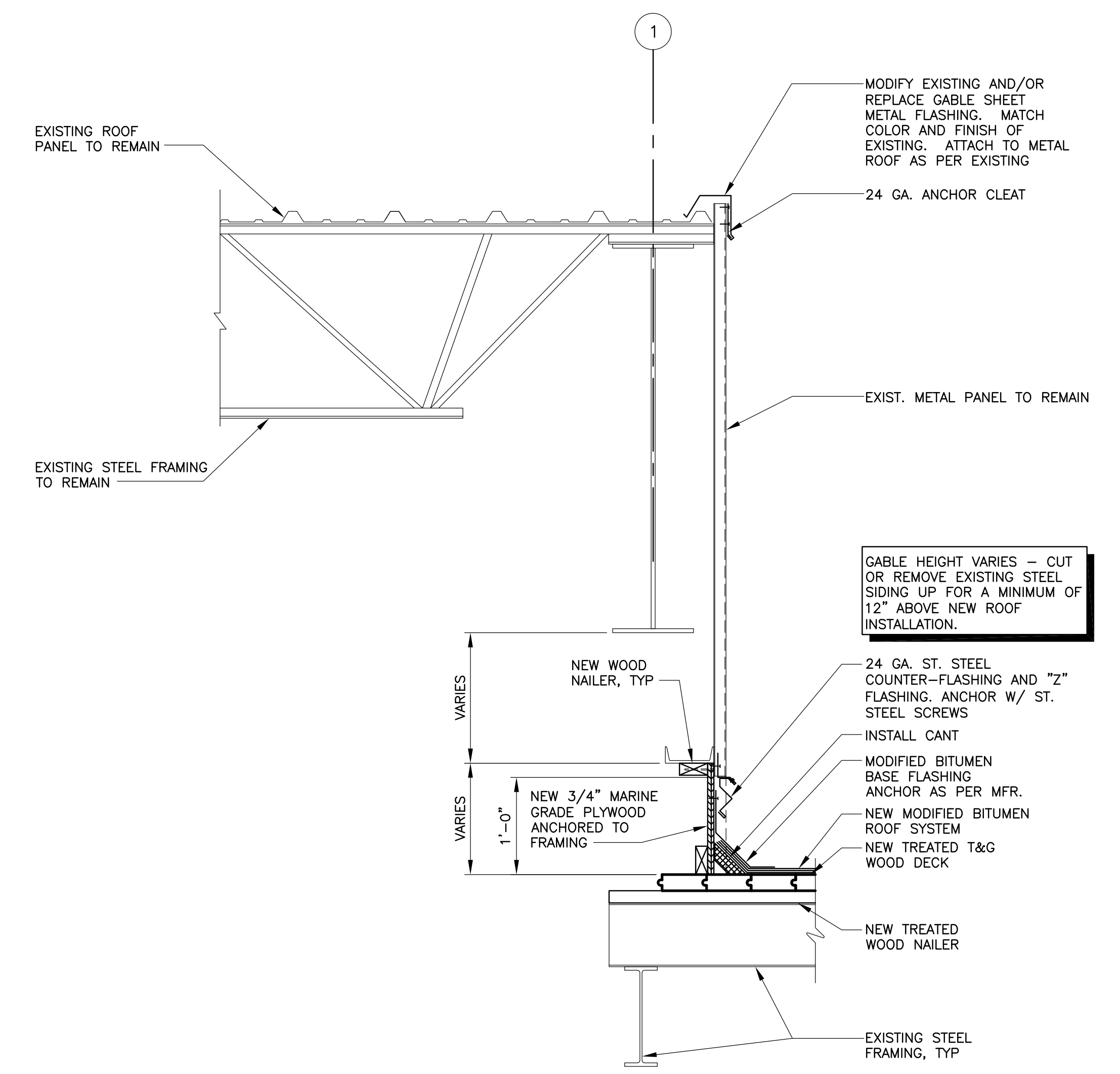




SECTION 1  
SCALE 1"=1'-0"  
4.6A/8A

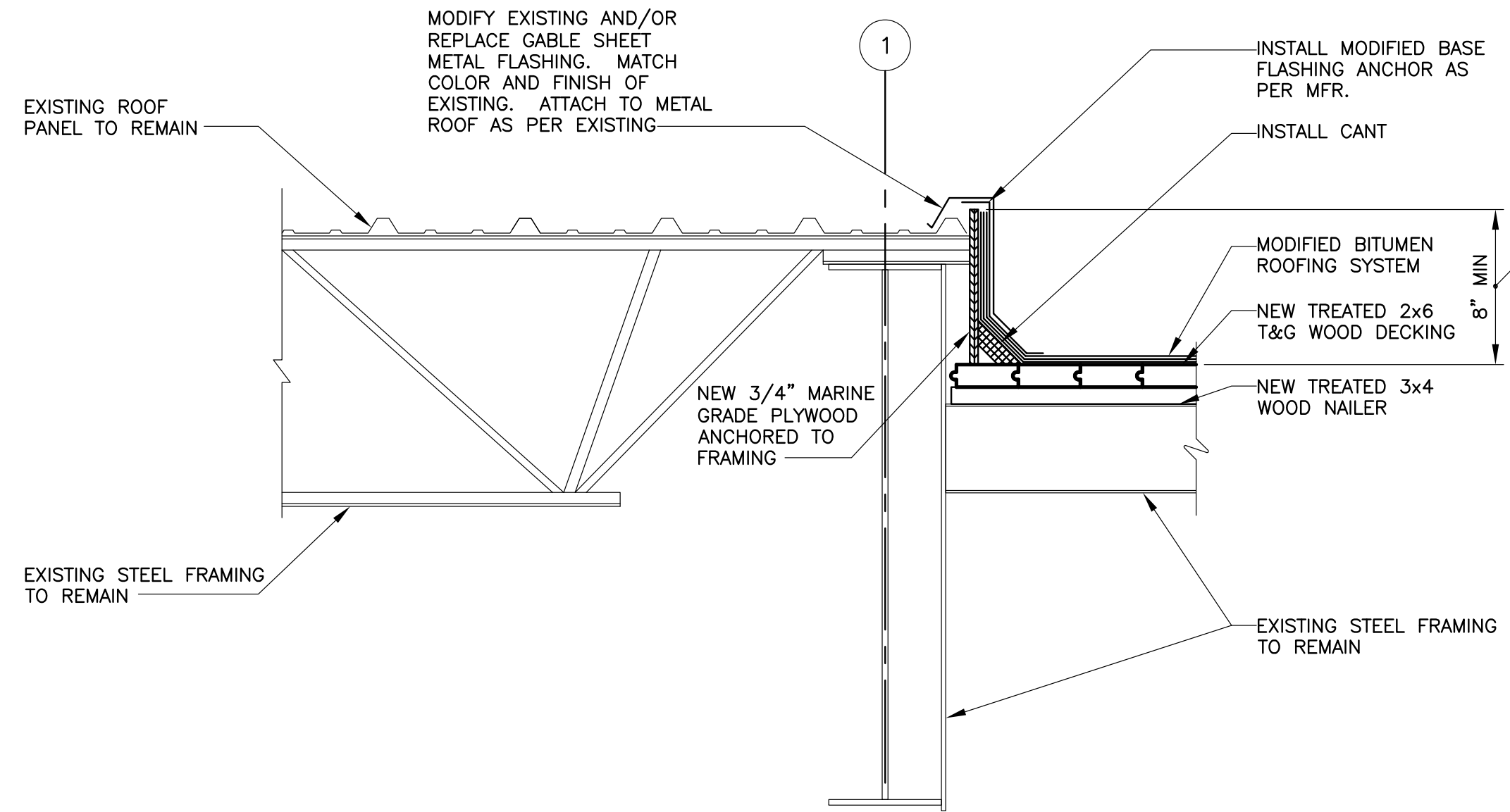


SECTION 2  
SCALE 1"=1'-0"  
4.7A/8A



SECTION 4  
SCALE 1"=1'-0"  
4.8A/8A

NOTE: AREAS OF THE ROOF WHERE FLASHING HEIGHTS ARE LESS THAN 8" ON EITHER SIDE OF THE COLUMN LINE No. 1, THE ROOFING ON BOTH SIDES NEEDS TO BE FLASHED WITH CUSTOM FABRICATED 24 GA. ST. STEEL, POP-RIVETED SADDLE WITH ALL JOINTS SOLDERED COMPLETE. FLASHING MUST BE INSTALLED TO SHED WATER FROM HIGH POINT TO LOW POINT. LAPS TO EXTEND 6" MIN. ALL ROOFING, FLASHING ON ASSOCIATED ITEMS MUST BE REMOVED, MODIFIED, OR REPLACED WITH LIKE IN KIND TO ACHIEVE A FULLY FLASHED WATER TIGHT DETAIL.



SECTION 3  
SCALE 1"=1'-0"  
4.9A/8A

REV. 7	BY	DATE	REV. 6	BY	DATE	REV. 5	BY	DATE	REV. 4	BY	DATE	REV. 3	BY	DATE	REV. 2	BY	DATE	REV. 1	BY	DATE	ADDENDUM NO. 1 SHEET ADDED

CONSULTING ENGINEERS LINFIELD, HUNTER & JUNIUS, INC. PROFESSIONAL ENGINEERS AND ARCHITECTS 3608 18th Street, Suite 200 Metairie, Louisiana 70002	BOARD OF COMMISSIONERS PORT OF NEW ORLEANS
	HARMONY STREET WHARF <b>ROOF REPLACEMENT</b>
DETAILS SCALE AS SHOWN DATE 06/12/09	
IDENTIFICATION NO.	
DEBORAH D. KELLER, P.E. PORT PROJECT ENGINEER	
DWG. NO. KRT-12085-8A REG. 053477	