

# ADDENDUM NO. 1

**August 31, 2023**

## **LOWELL MIDDLE SCHOOL GRADE 5-8 IMPROVEMENTS** **Lowell, IN 46356**

### **TO: ALL BIDDERS OF RECORD**

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated August 11, 2023 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1 through ADD 1-2 and attached Addendum No. 1 from Gibraltar Design dated August 29, 2023 and consisting of 2 pages and 3 drawings.

#### **A. SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS**

##### **1. Delete:**

Specification Section 10 70 00 - Aluminum Sunshade

#### **B. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY**

##### **A. BID CATEGORY NO. 1 - GENERAL TRADES**

##### **1. Delete:**

Specification Section 10 70 00 - Aluminum Sunshade

#### **C. SPECIFICATION SECTION 01 32 00 - SCHEDULES AND REPORTS**

##### **1. Add:**

Attached Guideline Schedule

**D. SPECIFICATION SECTION 00 31 00 - BID FORM**

**1. Replace:**

Bid Form with the revised attached Bid Form

**E. SPECIFICATION SECTION 01 23 00 - ALTERNATES**

**1. Delete:**

D. ALTERNATE NO. 4: State the cost to provide new exterior window treatments as indicated on the Contract Documents.

**CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96**

Format (Revised 2013)  
(Amended for TCSC)

**Lowell Middle School  
Grade 5-8 Improvements  
Tri-Creek School Corporation  
Lowell, IN**

**PART I**

(To be completed for all bids. Please type or print)

Date (month, day, year): \_\_\_\_\_

BIDDER (Firm) \_\_\_\_\_

Address \_\_\_\_\_ P.O. Box \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_

Person to contact regarding this Bid \_\_\_\_\_

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

\_\_\_\_\_  
Insert Category No. (s) and Name(s)

Of public works project, ***Lowell Middle School Grade 5-8 Improvements***, in accordance with Plans and Specifications prepared by ***Gibraltar Design, 9202 North Meridian Street, Suite 300, Indianapolis, IN 47708***, as follows:

**BASE BID**

For the sum of \_\_\_\_\_  
(Sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)  
(Sum in figures)

The undersigned acknowledges receipt of the following Addenda:

Receipt of Addenda No. (s) \_\_\_\_\_

**PROPOSAL TIME**

The bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Attended pre-bid conference                      YES \_\_\_\_\_                      NO \_\_\_\_\_

Has visited the jobsite                              YES \_\_\_\_\_                      NO \_\_\_\_\_

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent  
Of the schedule can be met.

YES \_\_\_\_\_                      NO \_\_\_\_\_

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6.

YES \_\_\_\_\_                      NO \_\_\_\_\_

The Skillman Corporation's diversity initiative is to create a program to encourage, assist and measure the active participation of Minority- Owned, Women-Owned, Veteran – Owned and Disabled Individual-Owned Businesses. The Program is to ensure that MWVDBEs are provided full and equal opportunity to participate in all Skillman Corporation's Projects.

Bidder has included:	DBE: YES _____ %	NO _____
	MBE: YES _____ %	NO _____
	WBE: YES _____ %	NO _____
	VBE: YES _____ %	NO _____

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS  
(if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

**\*\*MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE\*\***

Alternate Bid No. 1 – New Gym and Entrance/Storefronts

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)      ADD  
(sum in figures)      DEDUCT

Alternate Bid No. 2 – Replace Eight (8) 2' x 2' at South Wall Offices

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)      ADD  
(sum in figures)      DEDUCT

Alternate Bid No. 3 – Renovations at Cardio A-129, Weights B101A, and Multi – Purpose Room

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_)      ADD  
(sum in figures)      DEDUCT

Alternate Bid No. 4 – Exterior Window Treatments

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) ~~ADD~~  
(sum in figures) ~~DEDUCT~~

Alternate Bid No. 5 – Corridor Ceiling Revisions

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) ~~ADD~~  
(sum in figures) ~~DEDUCT~~

Alternate Bid No. 6 – Corridor Lighting and Controls

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) ~~ADD~~  
(sum in figures) ~~DEDUCT~~

Alternate Bid No. 7 – Classroom Lighting and Controls

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) ~~ADD~~  
(sum in figures) ~~DEDUCT~~

## PART II

(For projects of \$150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

### SECTION I EXPERIENCE QUESTIONNAIRE

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2. What public works projects are now in the process of construction by your organization?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you?\_\_\_\_\_If so, where and why?

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4. List references from private firms for which you have performed work.

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## SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

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2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

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3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will require a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

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4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

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5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

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### **SECTION III CONTRACTOR'S FINANCIAL STATEMENT**

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

### **SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT**

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

**SECTION V OATH AND AFFIRMATION**

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20

\_\_\_\_\_  
(Name of Organization)

By

\_\_\_\_\_  
(Title of Person Signing)

**ACKNOWLEDGEMENT**

STATE OF \_\_\_\_\_ )  
 ) SS:  
COUNTY OF \_\_\_\_\_ )

Before me, a Notary Public, personally appeared the above-named

\_\_\_\_\_  
Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_,  
\_\_\_\_\_  
(Title)

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

County of Residence: \_\_\_\_\_

END OF SECTION 00 31 00

Activity Name	Original Duration	Start	Finish	23						2024												2025						
				Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	Jun	Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	Jun	Jul
Lowell MS Grade 5-8 Improvements	284	30-Aug-23	11-Oct-24																									
Project Admin	284	30-Aug-23	11-Oct-24																									
2023-2024 School Year	207	30-Aug-23*	21-Jun-24																									
Bid Phase	12	06-Sep-23*	21-Sep-23																									
Bid Opening	0	21-Sep-23*																										
Awards	0	28-Sep-23*																										
Notice to Proceed	5	02-Oct-23*	06-Oct-23																									
Procure Submittals	65	02-Oct-23*	04-Jan-24																									
Procure Construction Materials	50	02-Oct-23*	12-Dec-23																									
Start Construction	0	06-Nov-23*																										
Punchlist	20	12-Sep-24*	10-Oct-24																									
Substantial Completion	0		04-Oct-24*																									
Final Completion	0		11-Oct-24*																									
Unit D	111	06-Nov-23	12-Apr-24																									
First Floor	111	06-Nov-23	12-Apr-24																									
First Floor Demolition	5	06-Nov-23*	10-Nov-23																									
Stud Walls	10	13-Nov-23*	28-Nov-23																									
MEP Rough-ins	10	27-Nov-23*	08-Dec-23																									
Drywall & Tape	20	11-Dec-23*	09-Jan-24																									
Paintings	5	08-Jan-24*	12-Jan-24																									
Ceilings	10	15-Jan-24*	26-Jan-24																									
Light Fixtures	5	22-Jan-24*	26-Jan-24																									
MEP Trim	10	29-Jan-24*	09-Feb-24																									
Casework	10	12-Feb-24*	23-Feb-24																									
Markerboards	5	19-Feb-24*	23-Feb-24																									
Flooring	10	26-Feb-24*	08-Mar-24																									

Activity Name		Original Duration	Start	Finish	23						2024												2025						
					Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	Jun	Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	Jun	Jul
<div>Unit C</div>	Doors & Hardware	10	01-Apr-24*	12-Apr-24																									
	Second Floor	40	06-Nov-23	04-Jan-24																									
	2nd Floor Demo	5	06-Nov-23*	10-Nov-23																									
	2nd Floor MEP Rough-ins	5	13-Nov-23	17-Nov-23																									
	2nd Floor Paint & Patch	5	20-Nov-23	28-Nov-23																									
	2nd Floor Casework	5	29-Nov-23	05-Dec-23																									
	2nd Floor Ceilings	5	06-Dec-23	12-Dec-23																									
	2nd Floor Light Fixtures	5	13-Dec-23	19-Dec-23																									
	2nd Floor MEP Trim	5	20-Dec-23	27-Dec-23																									
	2nd Floor Flooring	5	28-Dec-23	04-Jan-24																									
	Unit C	151	26-Dec-23	26-Jul-24																									
	First Floor	103	04-Mar-24	26-Jul-24																									
	First Floor Demolition	15	04-Mar-24*	22-Mar-24																									
	Stud Walls	15	25-Mar-24*	12-Apr-24																									
	MEP Rough-ins	15	25-Mar-24*	12-Apr-24																									
	Drywall & Tape	20	15-Apr-24*	10-May-24																									
	Paintings	10	13-May-24*	24-May-24																									
	Ceilings	10	15-May-24*	29-May-24																									
	Light Fixtures	10	30-May-24*	12-Jun-24																									
	MEP Trim	10	13-Jun-24*	26-Jun-24																									
Casework	10	24-Jun-24*	08-Jul-24																										
Markerboards	5	01-Jul-24*	08-Jul-24																										
Install New Lockers	5	01-Jul-24*	08-Jul-24																										
Flooring	10	08-Jul-24*	19-Jul-24																										
Doors & Hardware	5	22-Jul-24*	26-Jul-24																										
Second Floor	9	26-Dec-23	08-Jan-24																										
2nd Floor Demolition	5	26-Dec-23*	02-Jan-24																										

▲ Actual Work

▲ Remaining Work


▲ Critical Remaining Work

◆ Milestone

222100.02 - Lowell MS Grade 5-8 Improvements

Guideline Schedule 30-Aug-23

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Activity Name	Original Duration	Start	Finish	23						2024												2025						
				Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	Jun	Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	Jun	Jul
2nd Floor Flooring	5	02-Jan-24*	08-Jan-24																									
Unit E	200	26-Dec-23	04-Oct-24																									
First Floor	48	29-Jul-24	04-Oct-24																									
Demolition	5	29-Jul-24*	05-Aug-24																									
Patch & Paint	5	05-Aug-24*	12-Aug-24																									
Ceilings	5	12-Aug-24*	19-Aug-24																									
Light Fixtures	5	19-Aug-24*	26-Aug-24																									
MEP Trim	5	26-Aug-24*	03-Sep-24																									
Flooring	5	16-Sep-24*	20-Sep-24																									
Casework	5	23-Sep-24*	27-Sep-24																									
Markerboards	5	24-Sep-24*	30-Sep-24																									
Doors & Hardware	5	30-Sep-24*	04-Oct-24																									
Second Floor	9	26-Dec-23	08-Jan-24																									
2nd Floor Demolition	5	26-Dec-23*	02-Jan-24																									
2nd Floor Flooring	5	02-Jan-24*	08-Jan-24																									
Paving & Site Lighting	51	03-Jun-24	13-Aug-24																									
Electrical Demo	5	03-Jun-24*	07-Jun-24																									
Concrete/Asphalt Demo	15	06-Jun-24*	26-Jun-24																									
Site Lighting	15	27-Jun-24*	18-Jul-24																									
Pour Curbs/Sidewalks	15	17-Jul-24*	06-Aug-24																									
Parking Lot Paving	15	22-Jul-24*	09-Aug-24																									
Parking Lot Striping	5	07-Aug-24*	13-Aug-24																									
Unit F	155	06-Nov-23	14-Jun-24																									
Strip & Stockpile Topsoil	2	06-Nov-23*	07-Nov-23																									
Establish Building Pad	5	07-Nov-23*	13-Nov-23																									
Footings & Foundations	10	13-Nov-23*	28-Nov-23																									

▲▼ Actual Work

▲▼ Remaining Work


▲▼ Critical Remaining Work

◆ Milestone

222100.02 - Lowell MS Grade 5-8 Improvements

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Activity Name			Original Duration	Start	Finish	23						2024												2025						
						Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	Jun	Jul	A	S	Oct	N	D	Jan	F	Mar	Apr	M	Jun	Jul
		Exterior Load Bearing Walls	30	28-Nov-23*	10-Jan-24																									
		Structural Steel Framing/Joist & Deck	20	10-Jan-24*	06-Feb-24																									
		Facebrick	30	10-Jan-24*	20-Feb-24																									
		Underground MEP	15	10-Jan-24*	30-Jan-24																									
		Slab on Grade	10	30-Jan-24*	12-Feb-24																									
		Roofing	10	05-Feb-24*	16-Feb-24																									
		In Wall MEP Rough-Ins	10	12-Feb-24*	23-Feb-24																									
		Interior CMU	10	12-Feb-24*	23-Feb-24																									
		Roofing Details	10	19-Feb-24*	01-Mar-24																									
		Composite Metal Panels	10	19-Feb-24*	01-Mar-24																									
		Exterior Windows & Storefronts	10	26-Feb-24*	08-Mar-24																									
		Painting	10	26-Feb-24*	08-Mar-24																									
		Rooftop Mechanical Units	3	04-Mar-24*	06-Mar-24																									
		Ceilings	10	11-Mar-24*	22-Mar-24																									
		Wall Tile	10	11-Mar-24*	22-Mar-24																									
		Acoustical Wall Panels	5	11-Mar-24*	15-Mar-24																									
		Light Fixtures	10	25-Mar-24*	05-Apr-24																									
		Plumbing Fixtures	5	25-Mar-24*	29-Mar-24																									
		Athletic Equipment	5	25-Mar-24*	29-Mar-24																									
		Toilet Partitions & Accessories	5	01-Apr-24*	05-Apr-24																									
		Casework & Lockers	10	08-Apr-24*	19-Apr-24																									
		Markerboards	5	15-Apr-24*	19-Apr-24																									
		Gymnasium Flooring	20	22-Apr-24*	17-May-24																									
		Flooring	10	29-Apr-24*	10-May-24																									
		Bleachers	15	20-May-24*	10-Jun-24																									
Doors & Hardware	5	10-Jun-24*	14-Jun-24																											

Actual Work

Remaining Work

Critical Remaining Work

Milestone

222100.02 - Lowell MS Grade 5-8 Improvements

Guideline Schedule 30-Aug-23

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SKILLMAN

## ADDENDUM ONE

**Addendum One (AD.01)** to the drawings and specifications prepared by Gibraltar Design for **Lowell Middle School – Grade 5-8 Improvements** for Tri-Creek School Corporation, Lowell, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and include the appropriate content of same within their bid proposal.

## SPECIFICATIONS

### 1. Specification Section 00 01 10

#### Table of Contents

- A. Delete Specification Section 10 70 00 from the Division 10 Specialties.

### 2. Specification Section 06 10 00

#### Rough Carpentry

- A. Add Paragraph 2.2.H. as follows:

“H. Parapet Cap Engineered Wood Framing System (Contractors Option)

- 1. Acceptable Manufacturer: PreBuck Engineered Framing Systems, Wyoming, Michigan.
  - a. Meets AWPA U1-15 for Use Category 2.
  - b. MDI Resin, 100% waterproof when cured.
  - c. Treated with zinc borate through complete cross section.
  - d. Size and depth: refer to drawing requirements.
  - e. Sloped Units: per manufacturers standard, minimum 3/8-inch per foot.
  - f. Material: StrandGuard TimberStrand LSL 1.30E Engineered Lumber, ICC ESR-1387 or approved equal.”

### 3. Specification Section 08 51 13

#### Aluminum Windows

- A. Revise Paragraph 2.1.A to read:

“A. Wausau Window and Wall Systems, Wausau, Wisconsin – Series Invent 3250i.”  
(Delete reference to EFCO, and delete Wausau reference item C now that it is A.)

### 4. Specification Section 10 70 00

#### Aluminum Sunshade

- A. Omit Section 10 70 00, Aluminum Sunshade.

### 5. Specification Section 11 66 23

#### Athletic Equipment

- A. Revise Paragraph 2.5.A. to read as follows:

“A. Provide one stationary single sling mat hoist overhead assembly in location located on drawings to support one (1) 45-foot by 45-foot rolled wrestling mat.”

- B. Revise Paragraph 2.5.A.1.a. and b. to read:



"1. Stationary Single Sling Mat Hoist: Porter Model 91107-451AXX, Performance Sports Model 4090, or Draper Model 502060. To be suspended from existing structural steel.

- a. Drive System: one 2 HP or two 1 HP, 208 volt, 3-phase motors with integral electric brake, automatic overload protection, and limit switches.
- b. Operation: Flush wall mounted, momentary single key switch assemblies to control up/down movement with stainless steel cover plate."

## DRAWINGS

### 1. Sheet S-201

- A. Refer to revised full size drawing included in this Addendum for deletion of Details 2 and 3.

### 2. Sheet S-202

- A. Refer to revised full size drawing included in this Addendum for modified canopy framing on east side of addition.

### 3. Sheet S-412

- A. Refer to revised full size drawing included in this Addendum for addition of Detail 9.

### 4. Sheets A-301, A-310, A-311 and A-312

- A. Remove all references to sunshades and aluminum wrapped structural steel tube framing, including Keynotes 2 and 3.
- B. Forthcoming Addendum 2 will articulate a new exterior wall treatment.

### 5. Sheet A-412

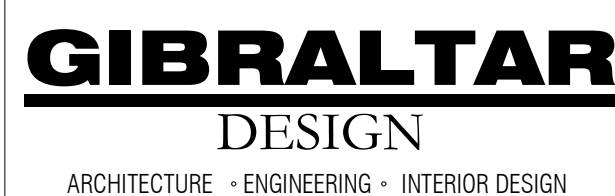
- A. Delete of Detail 6.

### 6. Sheet A-413

- A. At Details 2, 3 and 4, remove all references to sunshades and aluminum wrapped structural steel tube framing.
- B. Forthcoming Addendum 2 will articulate a new exterior wall treatment details.

Pages 1 through 2, inclusive, and Three (3) Full-Size Drawings, constitute the total makeup of **Addendum One**.





## LOWELL MIDDLE SCHOOL- GRADE 5-8 IMPROVEMENTS

FTG. MARK	FOOTING SIZE		FOOTING REINFORCING	
	WIDTH	DEPTH	LONGITUDINAL	TRANSVERSE
TF30	2'-6"	2'-4"	(4) #6 x CONTINUOUS	#3 x 2'-0" @
TF36	3'-0"	2'-4"	(5) #6 x CONTINUOUS	#4 x 2'-6" @
TF48	4'-0"	2'-4"	(6) #6 x CONTINUOUS	#4 x 3'-6" @

2. TRENCH FOOTINGS MAY BE CAST DIRECTLY AGAINST SOIL WITHOUT FORMING WHERE EXISTING SOIL CONDITIONS PERMIT. FORM TOP OF TRENCH FOOTINGS WHERE SOIL HAS SLOUGHED SIGNIFICANTLY, WHERE GRADE IS LOWER THAN THE INDICATED TOP OF FOOTING ELEVATION, OR WHEREVER TRENCH FOOTING WOULD INTERFERE WITH THE INSTALLATION OF DOWNSPOUTS, CONDUIT, BOLLARDS, ETC. COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING & SITE/CIVIL DRAWINGS.

WALL FOOTING SCHEDULE				
FTG. MARK	FOOTING SIZE		FOOTING REINFORCING	
	WIDTH	DEPTH	LONGITUDINAL	TRANSVERSE
WF30	2'-6"	1'-2"	(3) #5 x CONTINUOUS	#4 x 2'-0" @ 96" O.C.

1. CENTER FOOTINGS BENEATH WALLS, U.N.O.

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[illegible]

DRAWING  
FOUNDATION PLAN

PROJECT  
CONSTRUCTION DOCUMENTS

© GIBRALTAR DESIGN

SHEET

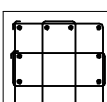
S-201

## CONCRETE PIER SCHEDULE

PIER MARK	PIER SIZE	PIER REINFORCING			
		VERTICALS	TIES-SIDE & SPA <sup>1</sup>	DETAIL	CRITICAL HEIGHT
P24S-8	2'-0" x 1'-8"	(12) #6	#4 @ 12" O.C.	A	≤ 2'-8"
		(8) #7	#4 @ 12" O.C.	B	> 2'-8"

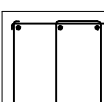
1. PROVIDE MIN. 1" <sup>1</sup>/<sub>2</sub>" CLEAR TO PIERS.
2. CRITICAL HEIGHT<sup>2</sup> DENOTES THE HEIGHT ABOVE WHICH LARGER DETERMINED VERTICALS WITH FEWER TIES MAY BE USED. REF. FOUNDATION PLANS FOR TOP OF PIER & FOOTING ELEVATIONS.
3. REF. TYPICAL CONCRETE PIER REINFORCING ON FOUNDATION DETAIL SHEET FOR FURTHER INFORMATION ON THE SPACING.
4. VERTICAL DOWELS ARE TO FUNCTION AS PIER VERTICALS FOR PIERS LESS THAN OR EQUAL TO 6'-0" HIGH. PROVIDE SEPARATE DOWELS & VERTICALS FOR PIERS GREATER THAN OR EQUAL TO 6'-0" HIGH, UNLESS APPROVED.
5. CONTACT THE STRUCTURAL ENGINEER FOR DIRECTION IF COLUMN ANCHOR RODS FOUL WITH PIER TIES OR VERTICALS.
6. MIN. HEIGHT OF PIERS: #6 VERTICALS = 2'-0", #7 VERTICALS = 2'-8".

DETAIL "A"

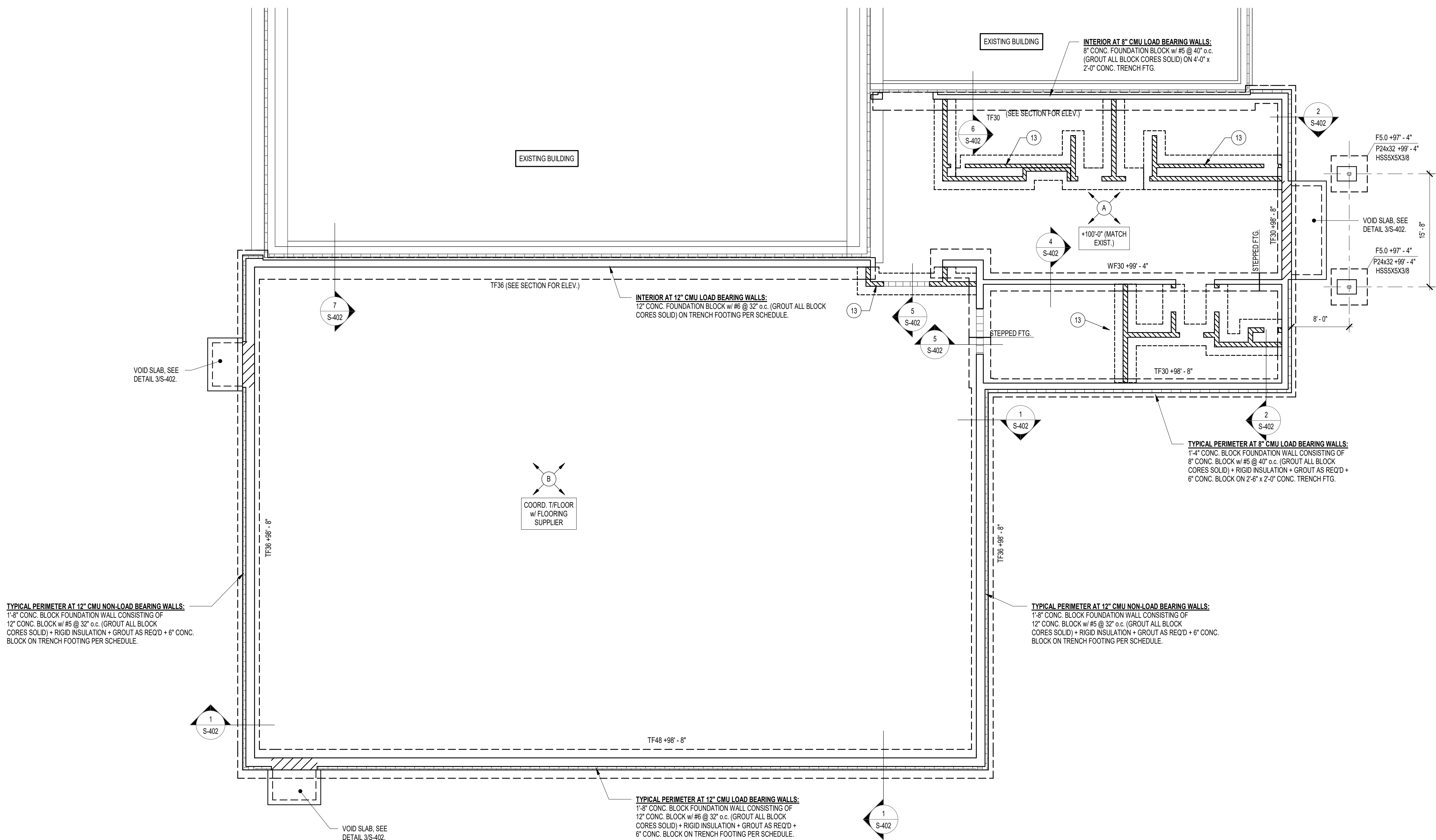
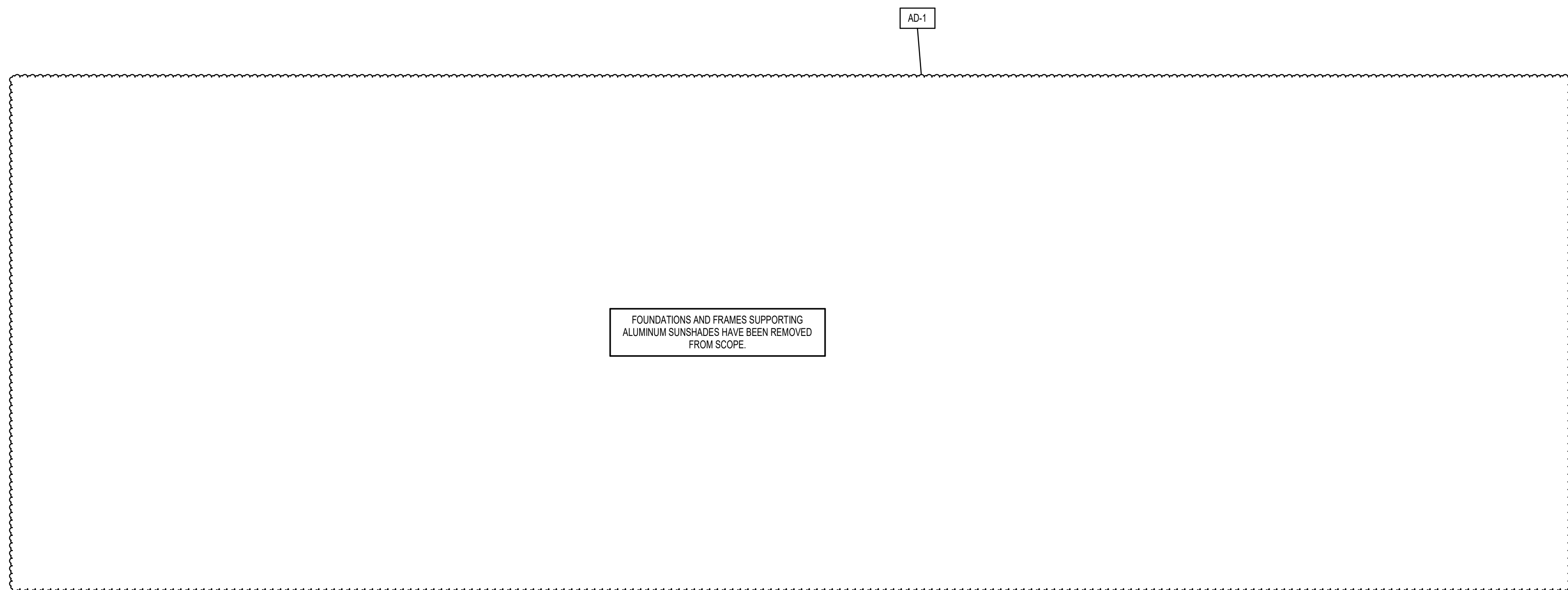


(1) SETS

DETAIL "B"



(2) SETS

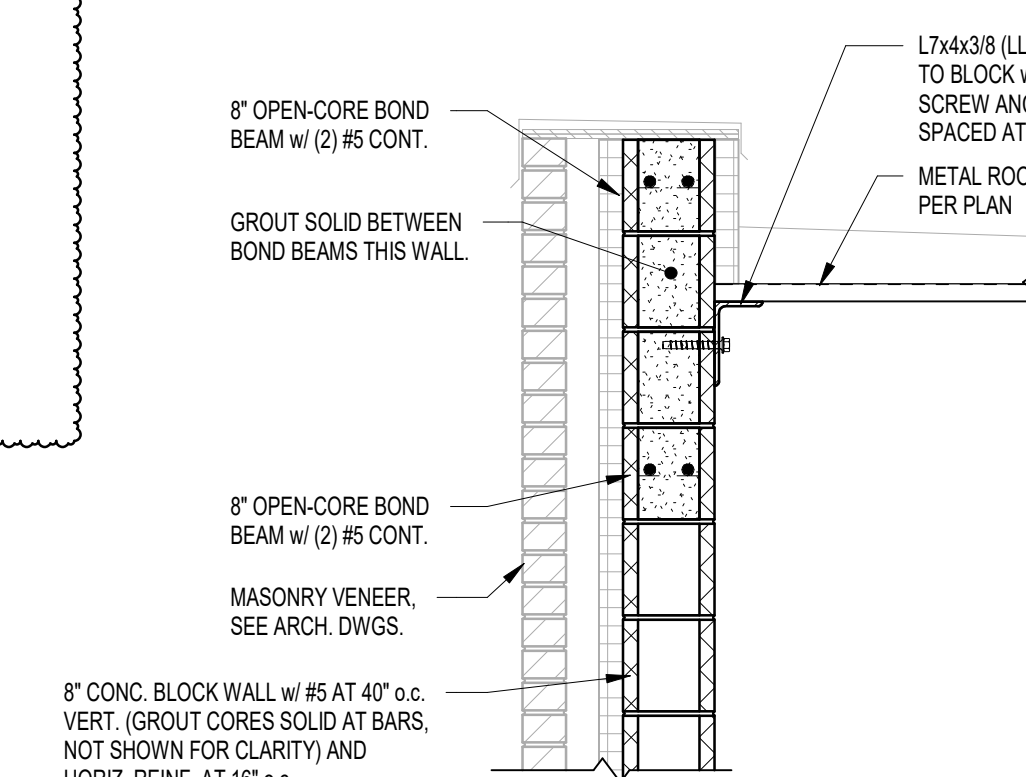




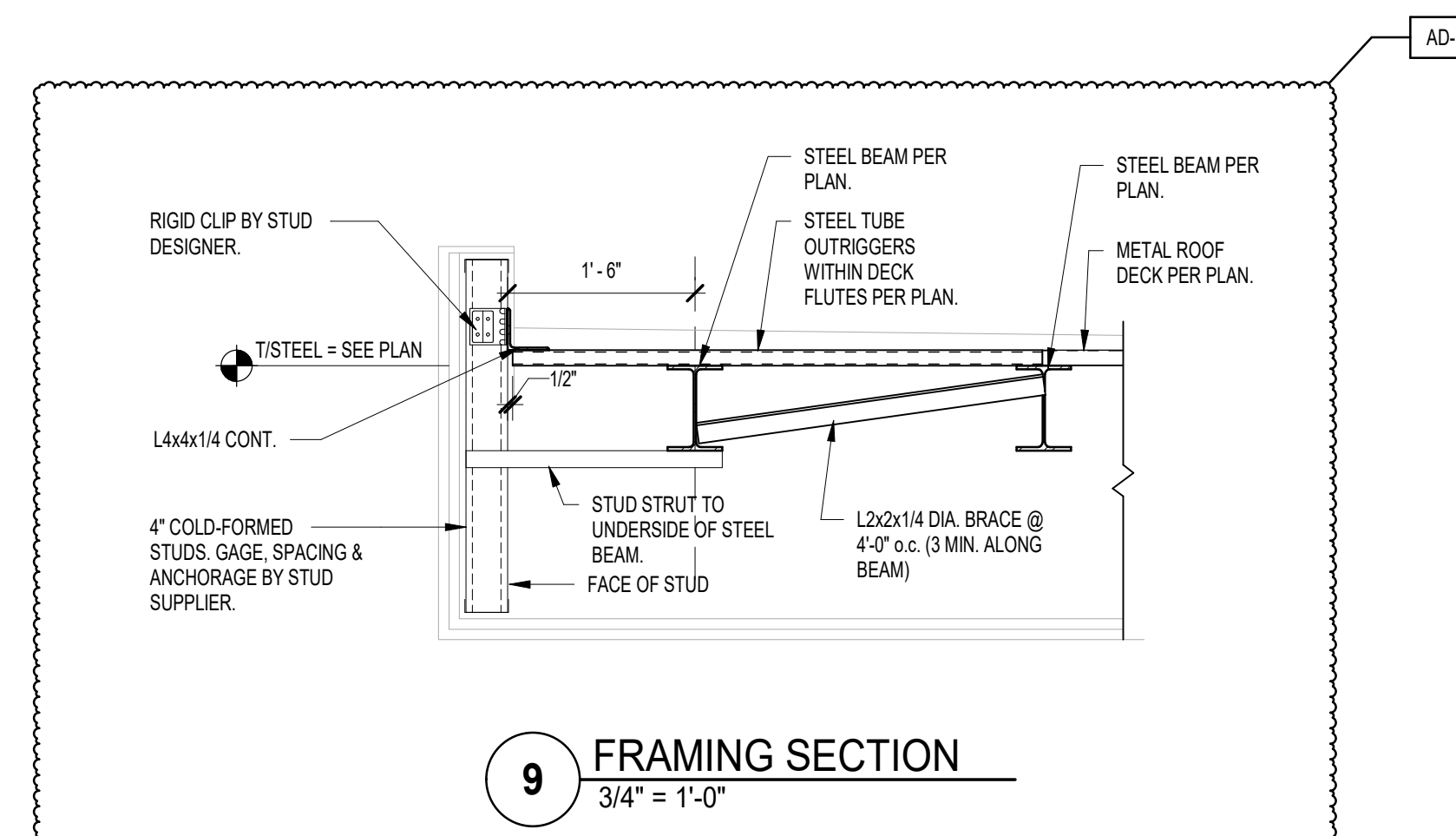


## LOWELL MIDDLE SCHOOL- GRADE 5-8 IMPROVEMENTS

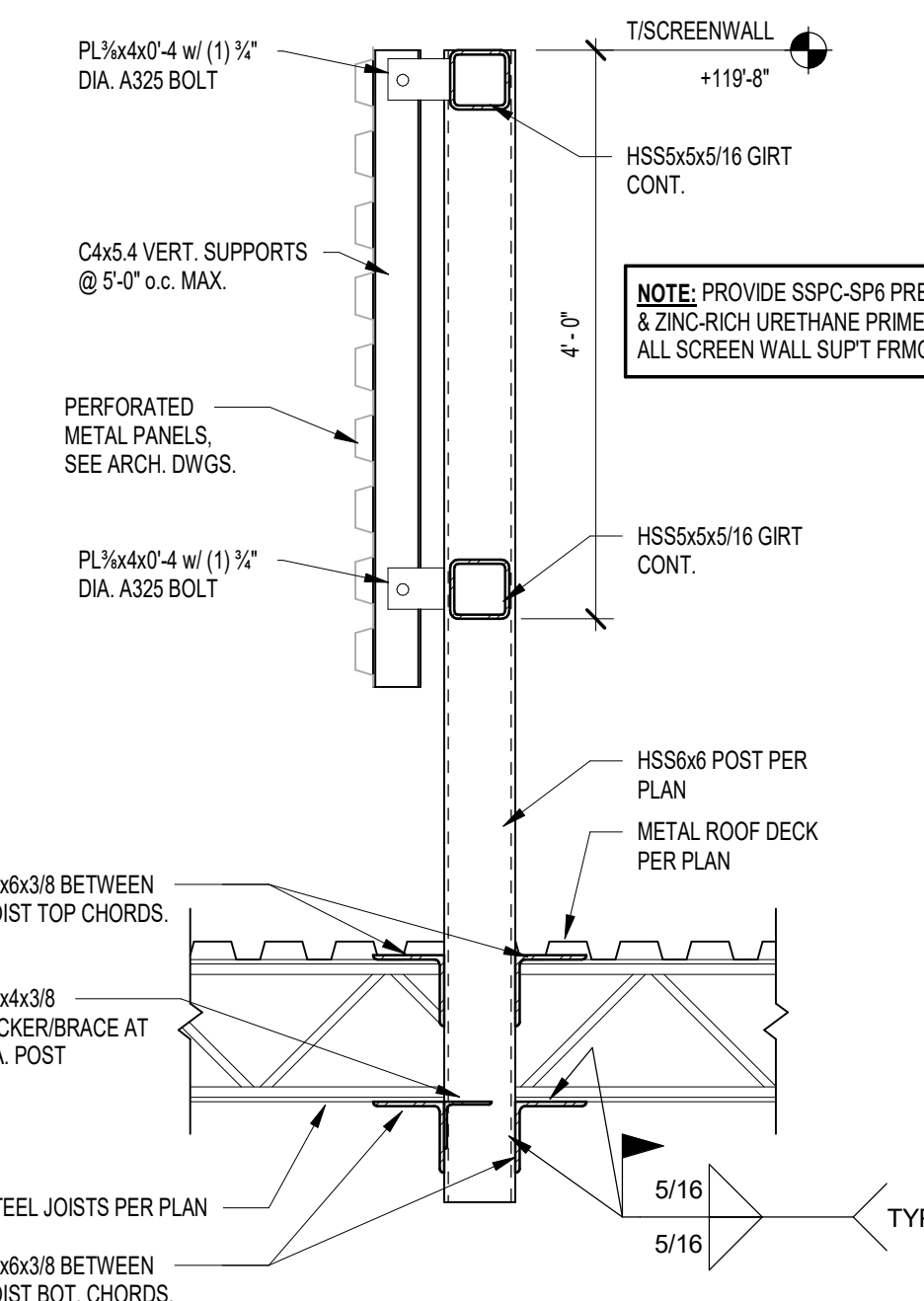
**3** FRAMING SECTION  
3/4" = 1'-0"



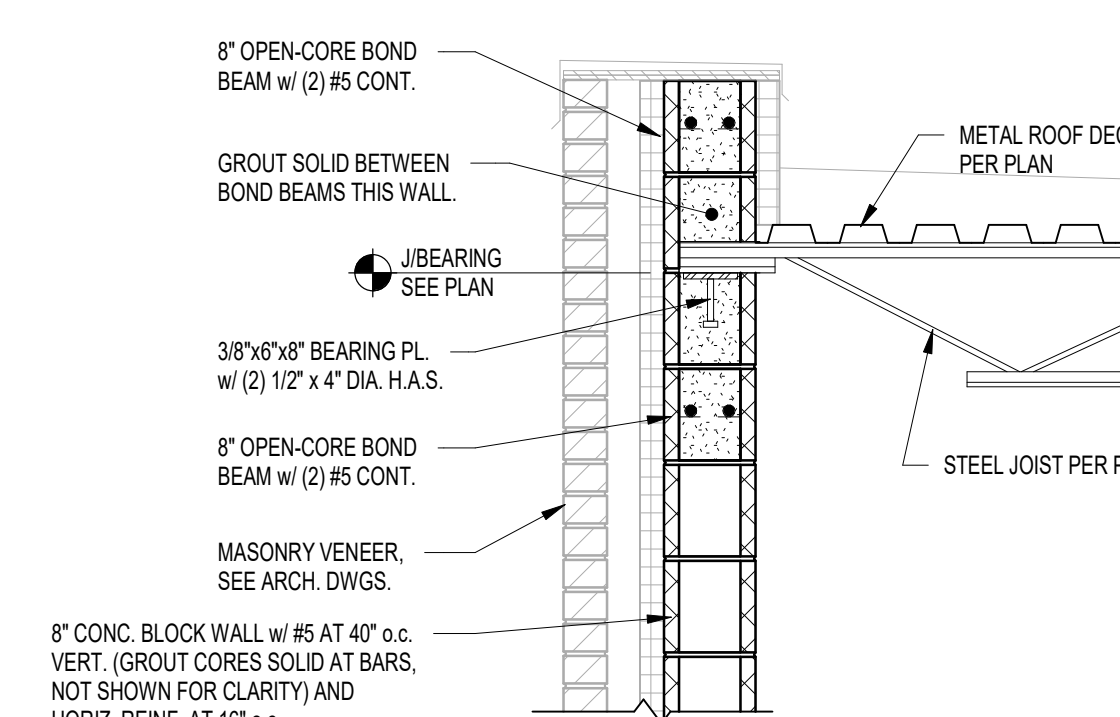
**6** FRAMING SECTION  
3/4" = 1'-0"



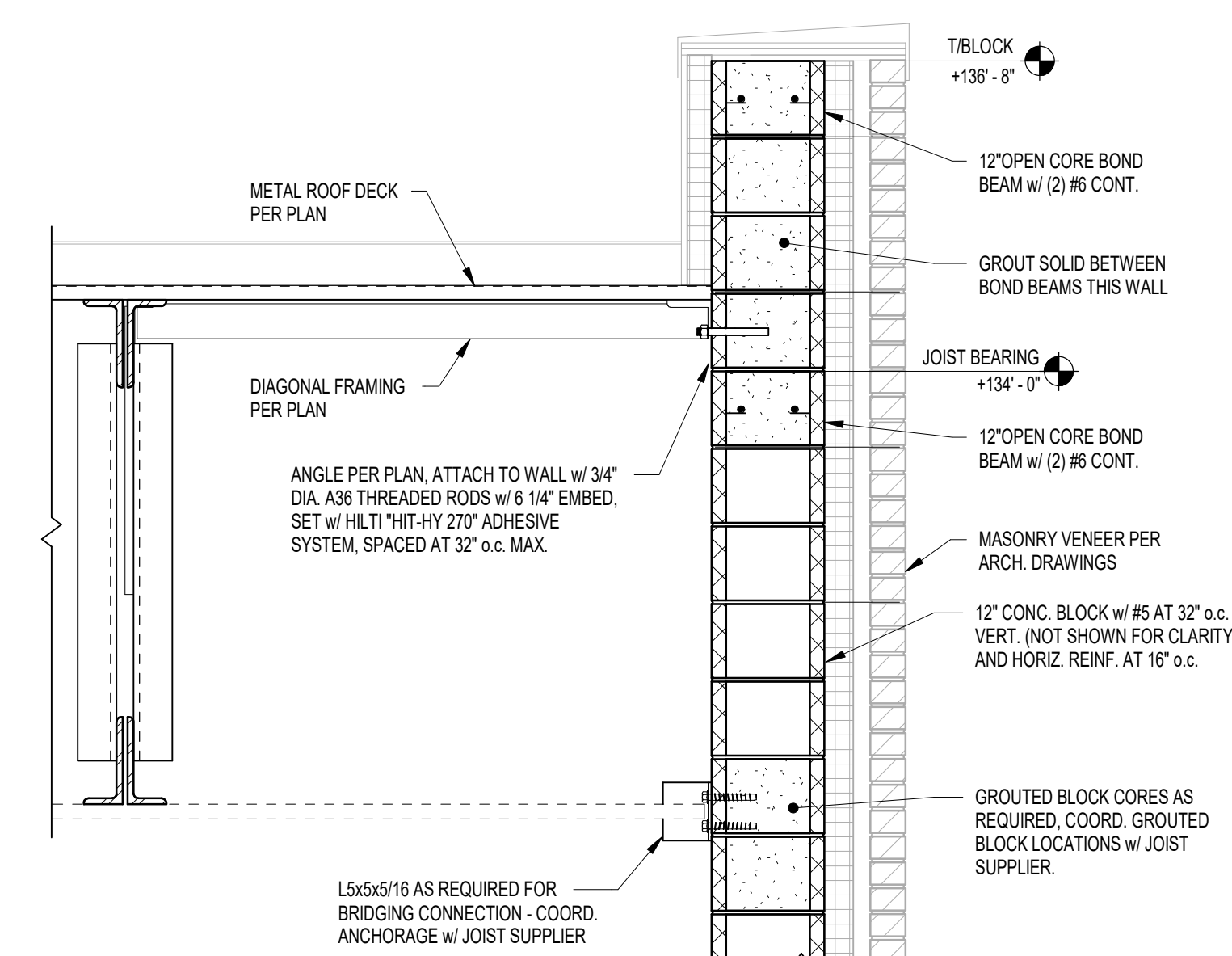
9 FRAMING SECTION  
3/4" = 1'-0"



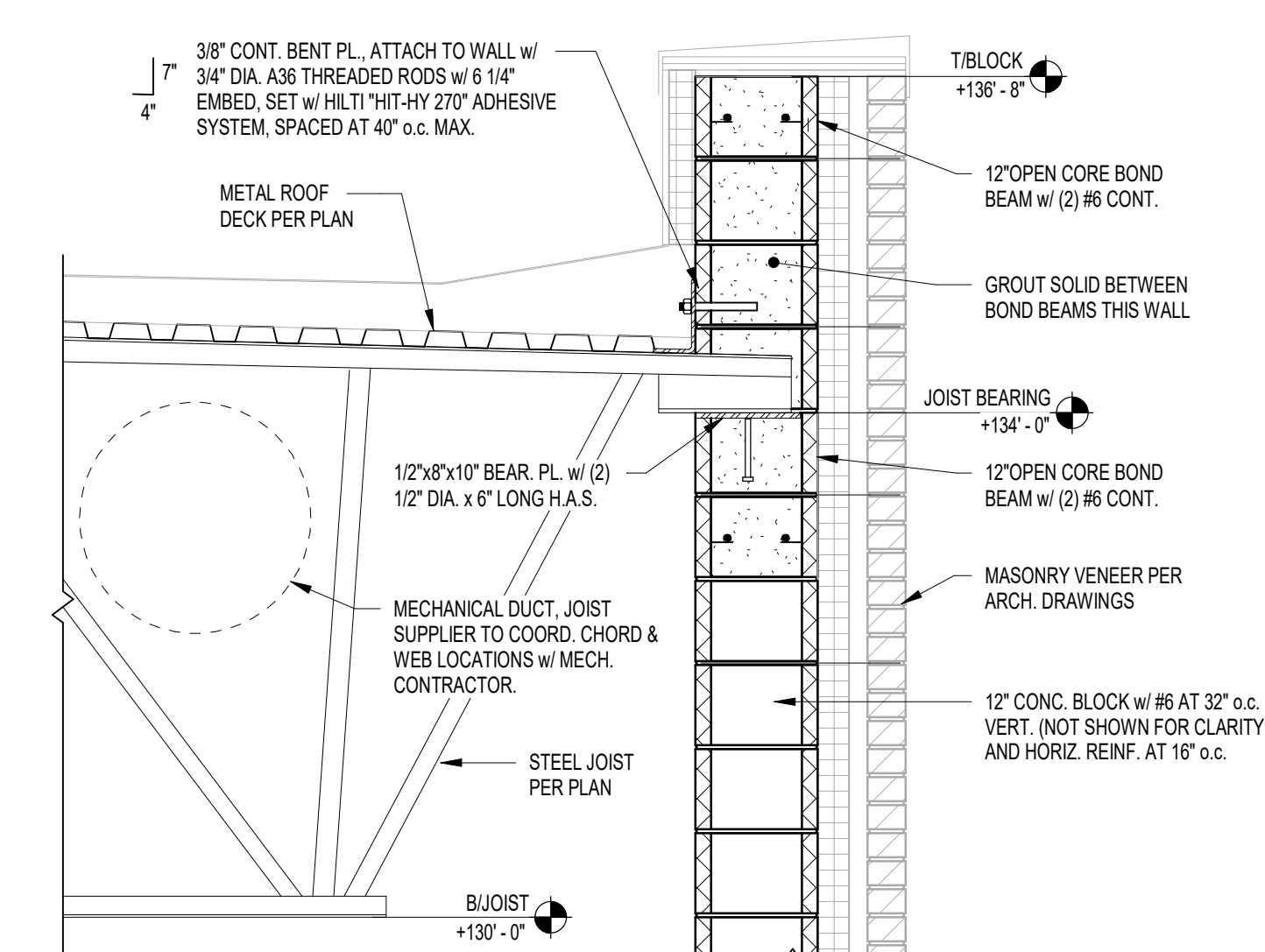
8 FRAMING SECTION  
3/4" = 1'-0"



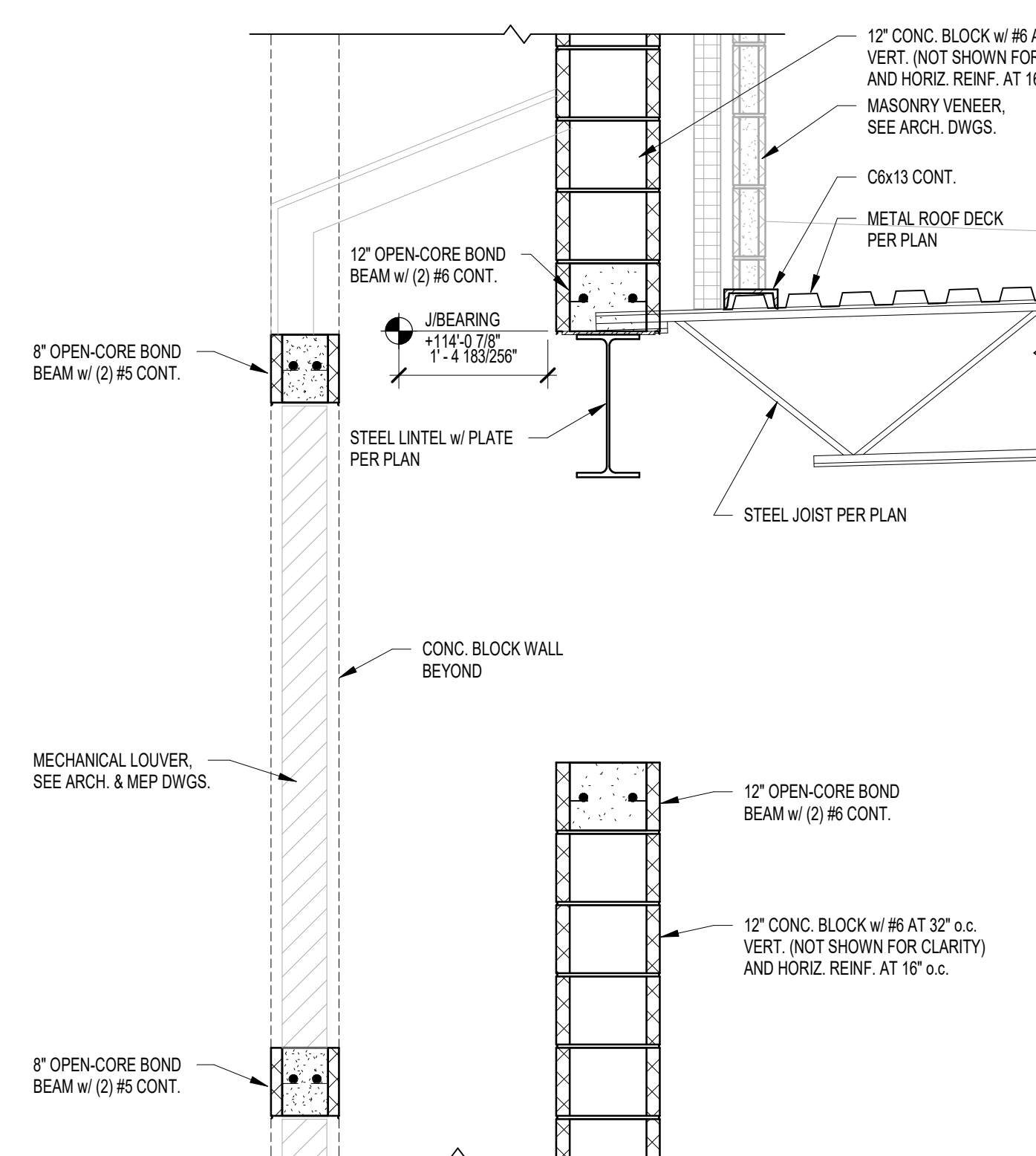
**5** FRAMING SECTION  
3/4" = 1'-0"



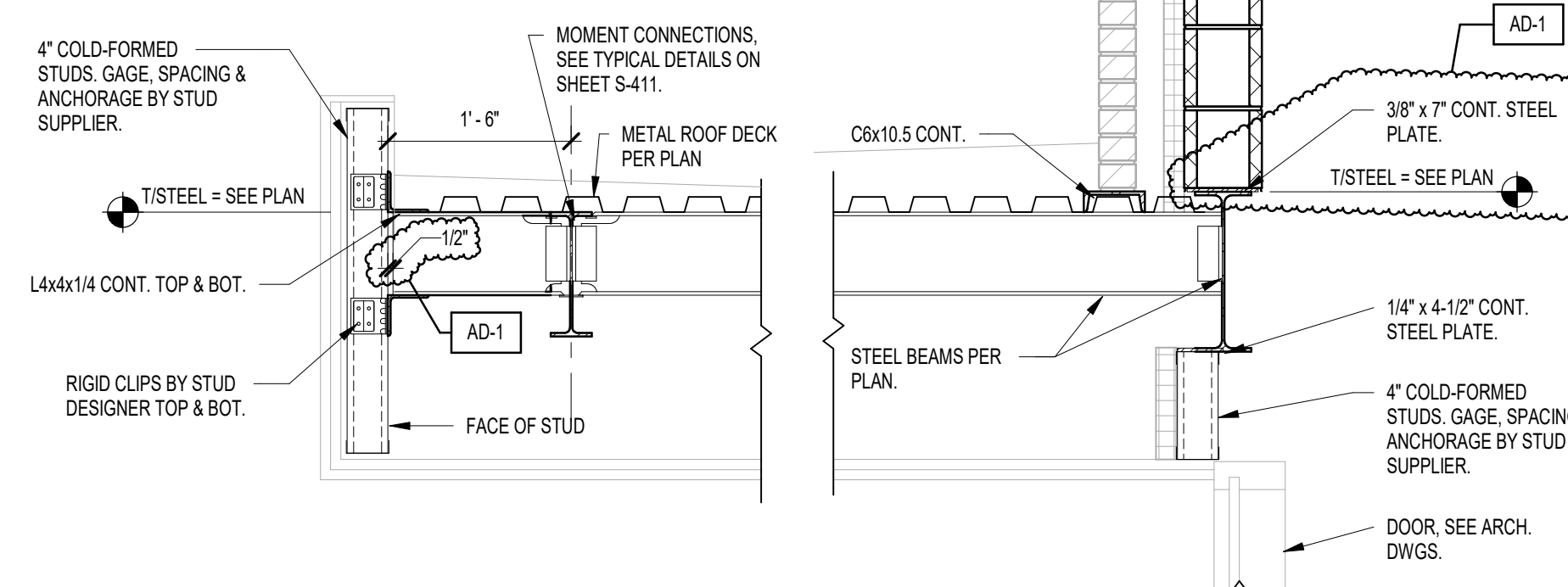
**2** FRAMING SECTION  
3/4" = 1'-0"




**1** FRAMING SECTION  
3/4" = 1'-0"



**4** FRAMING SECTION  
3/4" = 1'-0"



7 FRAMING SECTION  
3/4" = 1'-0"








STRUCTURAL FRAM  
SECTIONS

CONSTRUCTION DOCUMENT

SHEE

S-412