



DATE: July 19, 2019

FROM: Wight & Company  
2500 N. Frontage Road  
Darien, IL 60561

SUBJECT: ADDENDUM #2 TO THE BIDDING DOCUMENTS FOR:  
**BID GROUP #7**  
**MASTER FACILITY PLAN IMPLEMENTATION**  
**COMMUNITY HIGH SCHOOL DISTRICT 99**  
**1436 NORFOLK STREET**  
**DOWNERS GROVE, IL 60516**

Wight & Company  
wightco.com  
.....  
2500 North Frontage Road  
Darien, IL 60561  
.....  
P 630.969.7000  
F 630.969.7979

This addendum forms a part of the Bidding Contract Documents, dated June 7, 2019. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form. Drawing revisions clouded and tagged with delta 30.

**To clarify this is addendum #2, not addendum #4.  
We have addendum #1 and #2, not #3 and #4.**

**Bid Form:**  
BP#57 HVAC Insulation

**Scope of Work:**  
BP#57 HVAC Insulation

**Construction Schedule**

**SOUTH**

**I. Clarifications**

1. **QUESTION:** Can you please advise on the specifications and attachment details for the sunshades, as they weren't addressed on Addendum #1? **ANSWER: Refer to specification 107113 issued within. Detail provided on 4/A5.07.**
2. **QUESTION:** What is the specification for the exterior sheathing w/ pre-applied air and water barrier? **ANSWER: The sheathing specification for this material can be found in spec section 061600. However, the specification should also include the following performance requirements:**
  - i. **A minimum of 20 mil fluid air & water barrier membrane applied to the facer-mat of the glass-mat panel**
  - ii. **Maximum 10 perm rating on the composite panel and air and water barrier membrane**
3. **QUESTION:** Glazing spec 088000 for Bid Group seven doesn't define any glass type besides GL-3, please provide updated spec for each glass type definition. **ANSWER: Refer to sheet A4.02 for glazing legend.**

4. **QUESTION:** Jeaneen, could you please provide hardware spec , we need to know the Related hardware's in order to determine cost of prepping doors and door frames. **ANSWER: Door hardware specification 087111 was provided in first addendum.**

## II. Specifications

5. ADD attached specification 107113 – EXTERIOR SUN CONTROL DEVICES
6. ADD attached specification 061600 - SHEATHING

## III. Modified Drawings

### ARCHITECTURAL

1. Sheet A5.07 EXTERIOR WALL SECTIONS & DETAILS -PHASE B (**Full size sheet reissued**)
  - a. Schematic attachment detail and size of sun control fins provided. Note: this scope requires delegated design engineering for final attachment details.

This addendum consists of: (2) Text Pages (1) Specification Sections and (1) Modified Drawing Sheets.

END OF ADDENDUM

BID DATE: July 25<sup>th</sup> at 1:00 p.m. (CST)  
(as date/time stamped by Community High School District 99's (Receptionist))

BID TO: Community High School District 99  
Administrative Center  
6301 Springside Avenue  
Downers Grove, IL 60516

RECEIVED BY:

BID FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BID FOR: Bid Group 7 - Bid Package #57 – HVAC Insulation  
Phase B Part B

**South High School**  
1436 Norfolk Street  
Downers Grove, IL 60516

***It is required to have one original and one copy of your bid form.***

THE UNDERSIGNED:

Acknowledges receipt of:

Plans and specifications for the work indicated above.

Addenda: No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_  
No. \_\_\_\_\_ dated \_\_\_\_\_

Having examined the site of the work, and having familiarized himself or herself with local conditions affecting the cost of the work and with all requirements of the bidding documents including Instructions to Bidders, drawings, specifications and duly issued addenda as prepared by the architect, Wight & Company, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the bidding documents and such additional work as may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and install the described material and/or services for stated lump sum price.

To hold this bid open until **90** calendar days after bid opening date.

To accept the provisions of the General Provisions (Project Manual Division 0 – Bidding & Contracting

Requirements Section 00201) and disposition of bid security.

To enter into and execute a contract with the Owner, if awarded on the basis of this bid, and in connection therewith to:

1. Furnish all bonds and insurance required by the bidding documents.
2. Accomplish the work in accordance with the contract.
3. Complete the work within the contract time herein specified.

Completion Time:

The undersigned agrees to begin construction immediately, or as directed by the Construction Manager, upon notice of contract award and to perform the following components of the work in accordance with the Construction Manager's Construction. This schedule is bound in the Project Manual. See attached scope of work in section 0300.

SCOPE OF WORK:

The work in this agreement (without additional compensation) shall include, but shall not necessarily be limited to, all skilled labor, supervision, premium time, materials, tools, equipment, plant, supplies, samples, shop drawings, design/engineering drawings, layout, transportation, supervision, contributions, insurance, taxes (if applicable), compliance with all agencies (City / Village, County, State, Federal and/or any other jurisdictional agency, as may be required) and/or all services and facilities necessary and/or required for the performance of all Work shown, detailed, and/or implied by the following documents and as defined herein.

It is understood that this Trade Contractor shall perform the Work for a complete and operational system as indicated or implied in all Contract Documents. It is recognized and understood that the documents upon which the bid is based are at a conceptual phase and this Contractor who has certain skills and judgments based upon his knowledge of techniques, procedures, systems, general state of the art of his specialty is expected to include in the scope of work, all items required in order to carry out a complete and functional system whether or not shown or described in the contract documents. This contract will be awarded on the basis of such documents with the understanding that this contractor is to furnish and install all items required for the proper completion of this work without adjustment to this contract price. No extra payments shall be made of claims entertained as a result of such items, unless it can be clearly demonstrated to be added scope to the contract and beyond the original intent of the documents.

**Contractor to provide all Trade Contract work referenced in:**

1. Any sheet of this bid group package including (reference Division 0 – Bidding and Contract Requirements, Section 00200 – Notice to Bidders).
2. Specification 00300 Bid Packages Scope Document.

WORK BASE BID: For providing all work including all allowances as required for the completion of the construction of the base bid project as shown on the drawings and specifications and NOT including alternate bids and/or contractor's proposed alternates and substitutes.

**BASE BID**

**TOTAL BASE BID AMOUNT SOUTH HIGH SCHOOL MASTER FACILITY PLAN**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

**ALTERNATE BID**

**Alt. Bid #1 - This TRADE CONTRACTOR shall provide an Alternate ADD to furnish and install of the insulation for all plumbing roof drains, domestic water piping, and storm drain piping insulation per**

specifications and contract documents. Please fill in this amount on the appropriate spot on the Bid Form.

ADD \$ \_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

**ALLOWANCE:**

This TRADE CONTRACTOR shall include an allowance of **\$20,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.

**BONDS:**

This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions and shall cover 100% of the contract.

Award Basis:

The project will be awarded based upon the attached Evaluation Criteria, Section 301a. Owner and Construction Manager alternate's may be considered to find the most qualified bidder if the result of combining the base bid and the selected alternate(s) is the most qualified bid, and is to the benefit of the owner.

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates. This alternate price is not to be included in the base bid price.

Owner Requested Alternates:

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates.

Proposed Alternates: (Contractors Proposed Alternates)

Item Specified	Proposed Alternate	Change in Bid Price
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____

Owner Requested Unit Prices/Allowances (as applicable to this Trade Contractor's scope of work) (additive or deductive).

This trade contractor includes \_\_\_\_\_ dumpsters for all refuse caused by this trade contractor's work in the amount of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) Note: trade contractors are to include in their bid form submittal the quantity of

dumpsters required to complete their work and the cost associated with same. Dumpster costs will be subtracted by change order. Dumpsters will be procured and managed by Construction Manager. Note: Dumpster use in excess of that proposed by this Trade Contractor will be adjusted by back charge.

Owner Requested Scheduling Information:

Note: The work of this Trade Contractor is to be completed in accordance with the overall project schedule as identified elsewhere in this project manual and/or as subsequently directed by Construction Manager. This Trade Contractor shall submit a proposed submittals list/schedule/material log within five (5) calendar days of Notice To Proceed.

1. Shop drawings / Submittal for this trade contractor will be submitted within 10 calendar days of receipt of notice to proceed.

Bid Acceptance:

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the date of opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bids as accepted.

The Owner reserves the right to award the contract to its best interests, review and accept any and all value engineering alternatives, negotiate with the lowest responsible bidder, to reject any or all bids, to waive any informalities in bidding and to hold all bids for the bid guarantee period. The Owner reserves the right to award separate contracts for any of the items of work bid herein.

Bid Deposit:

The undersigned furnishes herewith, as required in the Instructions to Bidders, a bid deposit in the amount of ten percent (10%) of the amount bid in the form of Cashier's Check, or Certified Check, made payable to the Owner or Bid Bond, naming the Owner as obligee. (Bidder to check form of deposit furnished.)

It is understood and agreed that should the undersigned fail to enter into a contract with the Owner or furnish acceptable contract security within the time and in the manner herein provided, the bid deposit shall be retained by the Owner as liquidated damages and not as a forfeiture. As it is impossible to determine precisely an exact amount of damages the Owner will sustain, it is agreed that the bid deposit is a fair and equitable estimate of such damages.

REPRESENTATIONS AND CERTIFICATIONS:

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid Form. In the case of a joint venture bid, each party represents and certifies as to his own organization.

**AVAILABILITY.** The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.

**SURETY.** I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

**INDEPENDENT PRICE DETERMINATION.** The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

**PREVAILING WAGE.** The contractor and each subcontractor shall pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality in which the work is performed and not less than general prevailing rate of hourly wages for legal holidays and overtime work in the performance of work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois

approved June 26, 1941 as amended according to Section 820 ILCS 130/1.

Pursuant to Section 820 ILCS 130/5, the contractor and each subcontractor shall keep an accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, and also showing the actual hourly wages paid to each such individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

The contractor and each subcontractor hereby agree, jointly and severally, to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Section 820 ILCS 130/1., or by any laborer, worker or mechanic employed by the contractor or the subcontractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the contractor or subcontractor of the pendency of any such claim, demand, lien or suit.

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00357 - BID FORM

By submitting a bid, each bidder agrees to waive any claim it has or may have against the Owner, the Architect, Engineer, Construction Manager and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid; waiver of any requirements under the Bid Documents; or the Contract Document; acceptance or rejection of any bids; and award of the Contract.

Signature:

Respectfully submitted this \_\_\_\_\_ day \_\_\_\_\_, 2013

Type of Firm (Bidder to indicate)

\_\_\_\_\_ Individual

\_\_\_\_\_ Partnership

\_\_\_\_\_ Corporation

\_\_\_\_\_ Joint Venture

\_\_\_\_\_ Other

(CORPORATE SEAL)

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Telephone Number)

\_\_\_\_\_  
(FAX)

\_\_\_\_\_  
(E-mail Address)

\_\_\_\_\_  
(Bidder's Signature)

\_\_\_\_\_  
(Title)

Subscribed and sworn to me  
this \_\_\_\_\_ day of \_\_\_\_\_, 2013

\_\_\_\_\_

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**NOTE: All pages of this bid form must be returned with your proposal. Failure to do so shall disqualify your bid.**

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**CERTIFICATE OF BIDDER ELIGIBILITY**

720 ILCS 5/33E-11 REQUIRES THAT ALL CONTRACTORS BIDDING FOR PUBLIC AGENCIES IN THE State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, DuPage County, Illinois certified that said contractor is not barred from bidding on the aforementioned contract as a result of violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33-E4.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2013

\_\_\_\_\_  
NOTARY PUBLIC

**CRIMINAL CODE CERTIFICATION  
AS REQUIRED BY:  
STATE OF ILLINOIS CRIMINAL CODE OF 2012, 720 ILCS 5/33E-11**

I, \_\_\_\_\_ the individual whose signature appears below on this bid/contract  
for \_\_\_\_\_ hereby certify that the bidding  
party/contracting party is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or  
Section 33E-4 of 720 ILCS 5/33E-3 or 5/33E-4 of the Illinois Compiled Statutes, as amended.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

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

**EQUAL EMPLOYMENT OPPORTUNITY**

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, *et seq.*

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Rules and Regulations of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Contract may be canceled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Contract, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, or physical or mental handicap unrelated to ability, military status or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with the Act and Rules and Regulations, the Contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the Contract.

E. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every subcontract it awards under which any portion of this Contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Department to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

ACKNOWLEDGED AND AGREED TO:

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

DATE: \_\_\_\_\_

**SEXUAL HARASSMENT POLICY**

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS  
SECTION 00357 - BID FORM

\_\_\_\_\_, having submitted a bid for \_\_\_\_\_ (Name of Contractor)  
\_\_\_\_\_ to Community High School District No. 00, hereby  
certifies that said contractor has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-  
105 (A) (4).

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

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

**TAX CERTIFICATION**

I, \_\_\_\_\_, having been first duly sworn depose and state as follows:

I, \_\_\_\_\_, am the duly authorized agent for  
\_\_\_\_\_ which has submitted a proposal to Community  
High School District No. 99 for

\_\_\_\_\_ and I hereby certify that  
\_\_\_\_\_ is not delinquent in the payment of any tax administered by the  
Illinois Department of Revenue, or if it is:

a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or

b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_.

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

**SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS**

The Contractor certifies that it has in place a written program that meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and will provide a copy thereof to Community High School District No. 99 prior to commencement of work on the Project.

By: \_\_\_\_\_  
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before  
me this \_\_\_\_ day \_\_\_\_\_, 20\_\_.

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

**CERTIFICATE REGARDING**

**EMPLOYMENT OF ILLINOIS WORKERS ON PUBLIC WORKS**

\_\_\_\_\_ agrees if at the time the Agreement is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30- ILCS 570/0/01 et seq., as two consecutive months of unemployment exceeding 5%, then \_\_\_\_\_ agrees to employ Illinois laborers in accordance with the Employment of Illinois Workers on Public Works Act. An "Illinois laborer" is defined as any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2013

\_\_\_\_\_  
NOTARY PUBLIC



**PREVAILING WAGE AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that if awarded a contract with Community High School District 99, we will comply fully with the "Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990, and any other amendments effective thereafter)". We further understand that current prevailing wage standards are included in the Supplementary General Conditions.

The following affidavit must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as part of its bid for the \_\_\_\_\_ work for Community High School District 99, Downers Grove, Illinois, certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of the Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990).

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2013

\_\_\_\_\_  
NOTARY PUBLIC

**NON-COLLUSION AFFIDAVIT**

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and submitted with bidder's bid proposal.  
FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

\_\_\_\_\_, as a part of its bid for the \_\_\_\_\_ work for  
Community High School District 99, Downers Grove, Illinois, certifies that said Contractor is not barred from bidding  
on the aforementioned contract as a result of a violation of the above Non-Collusion Affidavit.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This \_\_\_\_\_ day of \_\_\_\_\_, 2013

\_\_\_\_\_  
NOTARY PUBLIC

**Criminal Background Investigations**

Contractor hereby represents, warrants and certified that no officer or director thereof has any knowledge that any employee thereof has been convicted of committing or attempting to commit "Criminal Code of 1961," 720 ILCS, Sections 5/11-6 (Indecent solicitation of a child), 5/11-9 (Public indecency), 5/11-14 (Prostitution), 5/11-15 (Soliciting for a prostitute), 5/11-15.1 (Soliciting for a juvenile prostitute), 5/11-19 (Pimping), 5/11-19.1 (Juvenile pimping), 5/11-19.2 (Exploitation of a child), 5/11-20 (Obscenity), 5/11-20.1 (Sexual assault), 5/12-14 (Aggravated criminal sexual assault), 5/12-15 (Criminal sexual abuse), and 5/120-16 (Aggravated criminal sexual abuse), and/or those offenses defined in the "Cannabis Control Act," 720 ILCS, 550/1 et seq. (except the "Illinois Controlled Substances Act," 720 ILCS 570/100 et seq. and/or any offense committed or attempted in any other state or against the laws of the United States, which if committed or attempted in this State, would have been punishable as one or more of the foregoing offenses.

Contractor further agrees that it shall not employ any person who have or may have direct, daily contact with the pupils of any school in the district, and for whom a criminal background investigation has not been conducted pursuant hereto, and further represents and agrees that all applicants for any such employment shall furnish with their applications the attached written "Authorization for Criminal Background Information" form authorizing the Board of Education to request a criminal background investigation of said applicant pursuant to Section 5/10-21.9 of the School Code of Illinois and to receive criminal history record information pursuant thereto to determine if the applicant has been convicted of committing or attempting to commit any of the criminal or drug offenses enumerated above. Contractor further agrees to submit with said authorization payment for any costs and expenses associated with the criminal background investigation.

Contractor further represents, warrants, and certifies that no applicant for employment with respect to whom the criminal investigation reveals any conviction for committing and/or attempting to commit any of the above enumerated offenses shall be employed thereby in any position that involves or may involve contact with the students of the school district.

This certification is executed on the date hereinafter indicated by the designated contractor by its duly authorized officer.

Firm: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name & Title)

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

**Criminal Background Investigation**

The undersigned hereby authorizes in Board of Education of Community High School District 99, Downers Grove, Illinois, to request a criminal background investigation from the Illinois State Police, pursuant to Section 5/10-21.9 of the School Code of Illinois, 105 ILCS 5/10-21.9 and to receive criminal history record information pursuant thereto.

By: \_\_\_\_\_  
(Signature of Applicant of Employee)

\_\_\_\_\_  
(Printed or Typed Name of Applicant Employee)

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

**BUSINESS CLASSIFICATION**

**a) Business Entity (check one)**

Corporation (Publicly held)\*     Not-for-Profit\*     Government Agency/Public Institution\*  
 Corporation (Privately held)     Partnership     Sole Proprietor

\* If checked, do not complete section III (b) and (c) below.

**b) Business Ownership (check one)** If minority or woman owned, attach copy of certification evidence.

Large Business:     Male Owned     Woman Owned  
Small Business:     Male Owned     Woman Owned

**BUSINESS DEFINITIONS**

**Small Business Concern** - an independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Administration (SBA). Standard Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.102 or in the Federal Procurement Regulations, Section 1-1.701.

**Small Disadvantaged or Minority Business Concern** - a small business concern which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by such individuals; and whose management and daily business operations are controlled by one or more of such individuals. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans) are considered socially and economically disadvantaged.

**Woman-Owned Business** - a business concern that is at least fifty-one percent (51%) owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

**c) Race/Ethnicity of Ownership (check one)** based on definitions below.

Black     Asian/Pacific or Asian/Indian     Caucasian  
 Hispanic     Native American (American Indians, Eskimos, Aleuts and native Hawaiians)

**ETHNIC GROUP DEFINITIONS**

**Black Americans:** United States citizens whose origins are in any of the Black racial groups of Africa.  
**Hispanic Americans:** United States citizens whose origins are in Mexico, Puerto Rico, Cuba, Portugal, Central or Central America.  
**Native Americans:** United States citizens whose origins are in any of the original peoples of North America, i.e., American Indians, Eskimos, Aleuts and native Hawaiians.  
**Asian Pacific/Asian Indian Americans:** United States citizens whose origins are in Japan, China, Korea, Taiwan, Cambodia, Laos, Vietnam, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, the Northern Mariana Islands, India, Pakistan, or Bangladesh.

I certify that the business classification and ethnicity indicated above reflects the true and correct status of this business in accordance with current Federal Small Business Administration criteria. I agree to inform Community High School District 99 immediately in writing of any changes to the information contained herein, including changes in ownership, controlling interest or operations. I understand that falsely certifying this information may result in suspension from participation in Community High School District 99 - North High School Phase II project.

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
(Print or Type)

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

**END OF SECTION 00301**

## SECTION 061600 - SHEATHING

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Wall sheathing.
  - 2. Parapet sheathing.
- B. Related Requirements:
  - 1. Division 06 Section "Rough Carpentry" for plywood backing panels.

#### 1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
  - 1. Review air-barrier and water-resistant glass-mat gypsum sheathing requirements and installation, special details, transitions, mockups, air-leakage testing, protection, and work scheduling that covers air-barrier and water-resistant glass-mat gypsum sheathing.

#### 1.4 ACTION SUBMITTALS

- A. Product Data: For each type of process and factory-fabricated product. Indicate component materials and dimensions and include construction and application details.
  - 1. Include data for fire-retardant treatment from chemical treatment manufacturer and certification by treating plant that treated plywood complies with requirements. Include physical properties of treated materials.
  - 2. For products receiving a waterborne treatment, include statement that moisture content of treated materials was reduced to levels specified before shipment to Project site.
  - 3. Include copies of warranties from chemical treatment manufacturers for each type of treatment.
  - 4. For air-barrier and water-resistant glass-mat gypsum sheathing, include manufacturer's technical data and tested physical and performance properties of products.

- B. Sustainable Design Submittals:
  - 1. Product Data: For composite wood products, indicating that product contains no added urea formaldehyde.
  - 2. Laboratory Test Reports: For installation adhesives and composite wood products used inside the waterproofing system, indicating compliance with requirements for low-emitting materials.
- C. Shop Drawings: For air-barrier and water-resistant glass-mat gypsum sheathing assemblies.
  - 1. Show locations and extent of sheathing, accessories, and assemblies specific to Project conditions.
  - 2. Include details for sheathing joints and cracks, counterflashing strips, penetrations, inside and outside corners, terminations, and tie-ins with adjoining construction.
  - 3. Include details of interfaces with other materials that form part of air barrier.

#### 1.5 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each air-barrier and water-resistant glass-mat gypsum sheathing assembly, indicating compliance with specified requirements, for tests performed by a qualified testing agency.
- B. Evaluation Reports: For following products, from ICC-ES:
  - 1. Fire-retardant-treated plywood.
  - 2. Air-barrier and water-resistant glass-mat gypsum sheathing.

#### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer of air-barrier and water-resistant glass-mat gypsum sheathing.
- B. Mockups: Build mockups to set quality standards for materials and execution.
  - 1. Build integrated mockups of exterior wall assembly as indicated on Drawings, or if not indicated, not less than 150 sq. ft., incorporating backup wall construction, window, storefront, door frame and sill, ties and other penetrations, and flashing to demonstrate crack and joint treatment and sealing of gaps, terminations, and penetrations of air-barrier sheathing assembly.
    - a. Coordinate construction of mockups to permit inspection of sheathing before external insulation and cladding are installed.
    - b. Include junction with roofing membrane, building corner condition, and foundation wall intersection.
    - c. If Architect determines mockups do not comply with requirements, reconstruct mockups until mockups are approved.

2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- C. Testing Agency Qualifications: For testing agency providing classification marking for fire-retardant-treated material, an inspection agency acceptable to authorities having jurisdiction that periodically performs inspections to verify that the material bearing the classification marking is representative of the material tested.

## 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Stack panels flat with spacers beneath and between each bundle to provide air circulation. Protect sheathing from weather by covering with waterproof sheeting, securely anchored. Provide for air circulation around stacks and under coverings.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Air-Barrier and Water-Resistant Glass-Mat Gypsum Sheathing Performance: Air-barrier and water-resistant glass-mat gypsum sheathing assembly, and seals with adjacent construction, shall be capable of performing as a continuous air barrier and as a liquid-water drainage plane flashed to discharge to the exterior incidental condensation or water penetration. Air-barrier assemblies shall be capable of accommodating substrate movement and of sealing substrate expansion and control joints, construction material changes, penetrations, tie-ins to other installed air barriers, and transitions at perimeter conditions without deterioration and air leakage exceeding specified limits.

### 2.2 WOOD PANEL PRODUCTS

- A. Emissions: Products shall meet the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- B. Thickness: As needed to comply with requirements specified, but not less than thickness indicated.
- C. Factory mark panels to indicate compliance with applicable standard.

### 2.3 FIRE-RETARDANT-TREATED PLYWOOD

- A. General: Where fire-retardant-treated materials are indicated, use materials complying with requirements in this article that are acceptable to authorities having jurisdiction and with fire-test-response characteristics specified as determined by testing identical products per test method indicated by a qualified testing agency.



- B. Fire-Retardant-Treated Plywood by Pressure Process: Products with a flame-spread index of 25 or less when tested according to ASTM E 84, and with no evidence of significant progressive combustion when the test is extended an additional 20 minutes, and with the flame front not extending more than 10.5 feet beyond the centerline of the burners at any time during the test.
  - 1. Use treatment that does not promote corrosion of metal fasteners.
  - 2. Exterior Type: Treated materials shall comply with requirements specified above for fire-retardant-treated plywood by pressure process after being subjected to accelerated weathering according to ASTM D 2898. Use for exterior locations and where indicated.
  - 3. Interior Type A: Treated materials shall have a moisture content of 28 percent or less when tested according to ASTM D 3201 at 92 percent relative humidity. Use where exterior type is not indicated.
  - 4. Design Value Adjustment Factors: Treated lumber plywood shall be tested according ASTM D 5516 and design value adjustment factors shall be calculated according to ASTM D 6305. Span ratings after treatment shall be not less than span ratings specified.
- C. Kiln-dry material after treatment to a maximum moisture content of 15 percent. Do not use material that is warped or does not comply with requirements for untreated material.
- D. Identify fire-retardant-treated plywood with appropriate classification marking of qualified testing agency.
- E. Application: Treat plywood indicated on Drawings, and the following:
  - 1. Wall sheathing within 48 inches of fire walls.

## 2.4 WALL SHEATHING

- A. Plywood Wall Sheathing: APA-rated Exposure 1 sheathing.
  - 1. Span Rating: As required to suit stud spacing indicated.
  - 2. Nominal Thickness: As indicated on Drawings, but not less than 1/2-inch.
- B. Air-Barrier and Water-Resistant Glass-Mat Gypsum Sheathing: ASTM C1177/C1177M, Type X, coated fiberglass mat gypsum sheathing with integral weather-resistant barrier and air barrier complying with ASTM E2178.
  - 1. Products: Subject to compliance with requirements, provide one of the following:
    - a. USG Corporation; Securock ExoAir 430. Or approved equal.
  - 2. Thickness: 5/8 inch thick.
  - 3. Size: 48 by 96 inches for vertical installation.
  - 4. Edges: Square.
  - 5. Flashing and Transitions Strips: As acceptable to sheathing manufacturer.

6. Air Permeance: Maximum 0.004 cfm/sq. ft. of surface area at 1.57-lbf/sq. ft. pressure difference when tested according to ASTM E2178.
7. Vapor Permeance: Maximum 10 perms when tested according to ASTM E96/E96M, Desiccant Method, Procedure A.
8. Sheathing Assembly Air Leakage: Maximum 0.04 cfm/sq. ft. of surface area at 1.57 lbf/sq. ft. when tested according to ASTM E2357.
9. A minimum of 20 mil fluid air & water barrier membrane applied to the facer-mat of the glass-mat panel
10. Fire Propagation Characteristics: Complies with NFPA 285 testing as part of an approved assembly.
11. UV Resistance: Can be exposed to sunlight for 30 days according to manufacturer's written instructions.
12. Provide primers, transition strips, termination strips, joint reinforcing fabric and strips, joint sealants, counterflashing strips, flashing sheets and metal termination bars, termination mastic, substrate patching materials, adhesives, tapes, foam sealants, lap sealants, and other accessory materials that are recommended in writing by sheathing manufacturer to produce a complete air-barrier assembly and that are compatible with primary air-barrier material and adjacent construction to which they may seal.

## 2.5 PARAPET SHEATHING

- A. Glass-Mat Gypsum Roof Board: ASTM C 1177, glass-mat, water-resistant gypsum roof board.
  1. Products: Subject to compliance with requirements, provide the following:
    - a. Georgia-Pacific Corporation; Dens Deck Prime.
  2. Type and Thickness: Type X, 5/8 inch thick.
  3. Sizes: 48 inches wide by length required, for vertical installations.

## 2.6 FASTENERS

- A. General: Provide fasteners of size and type indicated that comply with requirements specified in this Article for material and manufacture.
  1. For parapet and wall sheathing, provide fasteners with hot-dip zinc coating complying with ASTM A 153 or of Type 304 stainless steel.
  2. For parapet and wall sheathing, provide fasteners with organic-polymer or other corrosion-protective coating having a salt-spray resistance of more than 800 hours according to ASTM B 117.
- B. Nails, Brads, and Staples: ASTM F 1667.
- C. Power-Driven Fasteners: Fastener systems with an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC70.

- D. Screws for Fastening Sheathing to Wood Framing: ASTM C 1002.
- E. Screws for Fastening Wood Structural Panels to Cold-Formed Metal Framing: ASTM C 954, except with wafer heads and reamer wings, length as recommended by screw manufacturer for material being fastened.
- F. Screws for Fastening Gypsum Sheathing to Cold-Formed Metal Framing: Steel drill screws, in length recommended by sheathing manufacturer for thickness of sheathing to be attached.
  - 1. For steel framing less than 0.0329 inch thick, use screws that comply with ASTM C 1002.
  - 2. For steel framing from 0.033 to 0.112 inch thick, use screws that comply with ASTM C 954.

## 2.7 MISCELLANEOUS MATERIALS

- A. Adhesives for Field Gluing Panels to Framing: Formulation complying with APA AFG-01 and ASTM D 3498 that is approved for use with type of construction panel indicated by manufacturers of both adhesives and panels.
  - 1. Adhesives shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

## PART 3 - EXECUTION

### 3.1 INSTALLATION, GENERAL

- A. Do not use materials with defects that impair quality of sheathing or pieces that are too small to use with minimum number of joints or optimum joint arrangement. Arrange joints so that pieces do not span between fewer than three support members.
- B. Cut panels at penetrations, edges, and other obstructions of work; fit tightly against abutting construction, unless otherwise indicated.
- C. Securely attach to substrate by fastening as indicated, complying with the following:
  - 1. NES NER-272 for power-driven fasteners.
  - 2. Table 2304.9.1, "Fastening Schedule," in ICC's "International Building Code."
  - 3. ICC-ES evaluation report for fastener.
- D. Coordinate parapet and wall sheathing installation with flashing and joint-sealant installation so these materials are installed in sequence and manner that prevent exterior moisture from passing through completed assembly.
- E. Do not bridge building expansion joints; cut and space edges of panels to match spacing of structural support elements.

- F. Coordinate sheathing installation with installation of materials installed over sheathing so sheathing is not exposed to precipitation or left exposed at end of the workday when rain is forecast.

### 3.2 WOOD STRUCTURAL PANEL INSTALLATION

- A. General: Comply with applicable recommendations in APA Form No. E30S, "Engineered Wood Construction Guide," for types of structural-use panels and applications indicated.
- B. Fastening Methods: Fasten panels as indicated below:
  - 1. Wall and Parapet Sheathing:
    - a. Screw to cold-formed metal framing.
    - b. Nail to wood framing.
    - c. Space panels 1/8 inch apart at edges and ends.
    - d. Install with strength axis perpendicular to supports.

### 3.3 GYPSUM SHEATHING INSTALLATION

- A. Comply with GA-253 and with manufacturer's written instructions.
  - 1. Fasten gypsum sheathing to cold-formed metal framing with screws.
  - 2. Install boards with a 3/8-inch gap where non-load-bearing construction abuts structural elements.
  - 3. Install boards with a 1/4-inch gap where they abut masonry or similar materials that might retain moisture, to prevent wicking.
- B. Apply fasteners so heads bear tightly against face of sheathing boards but do not cut into facing.
- C. Vertical Installation: Install board vertical edges centered over studs. Abut ends and edges of each board with those of adjacent boards. Attach boards at perimeter and within field of board to each stud.
  - 1. Space fasteners approximately 8 inches o.c. and set back a minimum of 3/8 inch from edges and ends of boards.
- D. Air-Barrier and Water-Resistant Glass-Mat Gypsum Sheathing:
  - 1. Install accessory materials according to sheathing manufacturer's written instructions and details to form a seal with adjacent construction, to seal fasteners, and ensure continuity of air and water barrier.
    - a. Coordinate the installation of sheathing with installation of roofing membrane and base flashing to ensure continuity of air barrier with roofing membrane.
    - b. Install transition strip on roofing membrane or base flashing, so that a minimum of 3 inches of coverage is achieved over each substrate.

2. Connect and seal sheathing material continuously to air barriers specified under other Sections as well as to roofing-membrane air barrier, concrete below-grade structures, floor-to-floor construction, exterior glazing and window systems, glazed curtain-wall systems, storefront systems, exterior louvers, exterior door framing, and other construction used in exterior wall openings, using accessory materials.
3. Apply joint sealants forming part of air-barrier assembly within manufacturer's recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.
4. Wall Openings: Prime concealed, perimeter frame surfaces of windows, curtain walls, storefronts, and doors. Apply preformed silicone extrusion, so that a minimum of 3 inches of coverage is achieved over each substrate. Maintain 3 inches of full contact over firm bearing to perimeter frames, with not less than 1 inch of full contact.
  - a. Preformed Silicone Extrusion: Set in full bed of silicone sealant applied to walls, frame, and air-barrier material.
5. Fill gaps in perimeter frame surfaces of windows, curtain walls, storefronts, doors, and miscellaneous penetrations of sheathing material with foam sealant.
6. Seal strips and transition strips around masonry reinforcing or ties and penetrations with termination mastic.
7. Seal top of through-wall flashings to sheathing with an additional 6-inch- wide, transition strip.
8. Seal exposed edges of strips at seams, cuts, penetrations, and terminations not concealed by metal counterflashings or ending in reglets with termination mastic.
9. Repair punctures, voids, and deficient lapped seams in strips and transition strips extending 6 inches beyond repaired areas in strip direction.

### 3.4 FIELD QUALITY CONTROL

- A. Testing and Inspecting Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. Inspections: Air-barrier and water-resistant glass-mat gypsum sheathing, accessories, and installation are subject to inspection for compliance with requirements. Inspections may include the following:
  1. Continuity of air-barrier system has been achieved throughout the building envelope with no gaps or holes.
  2. Laps in strips and transition strips have complied with minimum requirements and have been shingled in the correct direction (or mastic has been applied on exposed edges), with no fishmouths.
  3. Termination mastic has been applied on cut edges.
  4. Strips and transition strips have been firmly adhered to substrate.
  5. Compatible materials have been used.
  6. Transitions at changes in direction and structural support at gaps have been provided.

7. Connections between assemblies (sheathing and sealants) have complied with requirements for cleanliness, surface preparation and priming, structural support, integrity, and continuity of seal.
  8. All penetrations have been sealed.
- C. Tests: As determined by testing agency from among the following tests:
1. Air-Leakage-Location Testing: Air-barrier sheathing assemblies will be tested for evidence of air leakage according to ASTM E1186, chamber pressurization or depressurization with smoke tracers or ASTM E1186, chamber depressurization using detection liquids.
  2. Air-Leakage-Volume Testing: Air-barrier assemblies will be tested for air-leakage rate according to ASTM E783 or ASTM E2357.
- D. Air barriers will be considered defective if they do not pass tests and inspections.
- E. Repair damage to air barriers caused by testing; follow manufacturer's written instructions.
- F. Prepare test and inspection reports.

END OF SECTION 061600

**BG7B BP57 SCOPE OF WORK FOR HVAC INSULATION – SOUTH HIGH SCHOOL**

**Scope – This TRADE CONTRACTOR’s scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.**

1. This TRADE CONTRACTOR shall reference ALL General, Logistics Plan, Civil, Structural, Existing Architectural, Architectural Demolition, Architectural, Landscape, Mechanical, Plumbing, Electrical, Technology and Food Service Sheets included in this Bid Group 7 B as they relate to Mechanical HVAC Insulation. This TRADE CONTRACTOR shall read all Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower to complete this trade contractor’s scope of work within the designated durations provided.
2. This TRADE CONTRACTOR shall review and become familiar with ALL documents included in this bid group. This Trade Contractor shall furnish, install, complete and/or otherwise comply with all work as noted and or implied by the following but not limited to: All Specification sections in Divisions 23, General Notes on Sheet M0.01, and all MD, M, and ME Drawings
3. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, and coordination, etc... required for a completely insulated HVAC system. This includes all external thermal, and/or acoustic insulation as required for a proper functioning HVAC system as specified or required. Including insulation for all ductwork, HVAC piping, Condensate piping, Valves, Fittings, etc. per all Mechanical drawings and Insulation specifications.

**Note:** Internal lining of any ductwork to be by the Mechanical Trade Contractor.

**Note:** Plumbing roof drains, domestic water piping, and storm drain piping insulation will be by the Plumbing Contractor and shall not be included in the Base Bid. **However, Please Include an Alternate ADD price to include the Plumbing Insulation in this scope of work in the appropriate spot on the Bid Form.**

**Note:** This TRADE CONTRACTOR shall coordinate the installation of his work with plumbing, electrical, HVAC, technology, ceiling and all other trades as required.

4. **Note:** This TRADE CONTRACTOR shall review HVAC TRADE CONTRACTORS bid scope of work for all HVAC scope items. This TRADE CONTRACTOR is responsible for all HVAC scope items requiring new HVAC insulation.
5. This TRADE CONTRACTOR responsible for all insulation repairs needed at all HVAC piping/duct tie-ins.
6. This TRADE CONTRACTOR shall be responsible to furnish and install all fiberwrap required for kitchen black iron duct.
7. This TRADE CONTRACTOR acknowledges all piping and ductwork details on M6.01, M6.02, ME1.01, and ME1.02. This TRADE CONTRACTOR acknowledges there will be no extra costs for any extra pipe fittings or pipe LF that may be required for final routing or configuration of piping at VAVs, FPBs, FCUs, CCUs, RTUS, DOAS, etc... This TRADE CONTRACTOR acknowledges there will be no extra costs for any extra duct fittings or duct LF that may be required for final routing or configuration of any ductwork to be insulated.

**ALLOWANCES, BOND, & ALTERNATES**

00300-1

- 1. This TRADE CONTRACTOR **shall include an allowance of \$20,000.00 in their base bid** to account for any unforeseen conditions. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
- 2. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.
- 3. **Alternate Bid #1: This TRADE CONTRACTOR shall include the furnish and install of the insulation for all plumbing roof drains, domestic water piping, and storm drain piping insulation per specifications and contract documents. Please fill in this amount on the appropriate spot on the Bid Form.**

**ACCEPTANCE**

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.  
2500 North Frontage Road  
Darien, IL 60561

Signed: \_\_\_\_\_

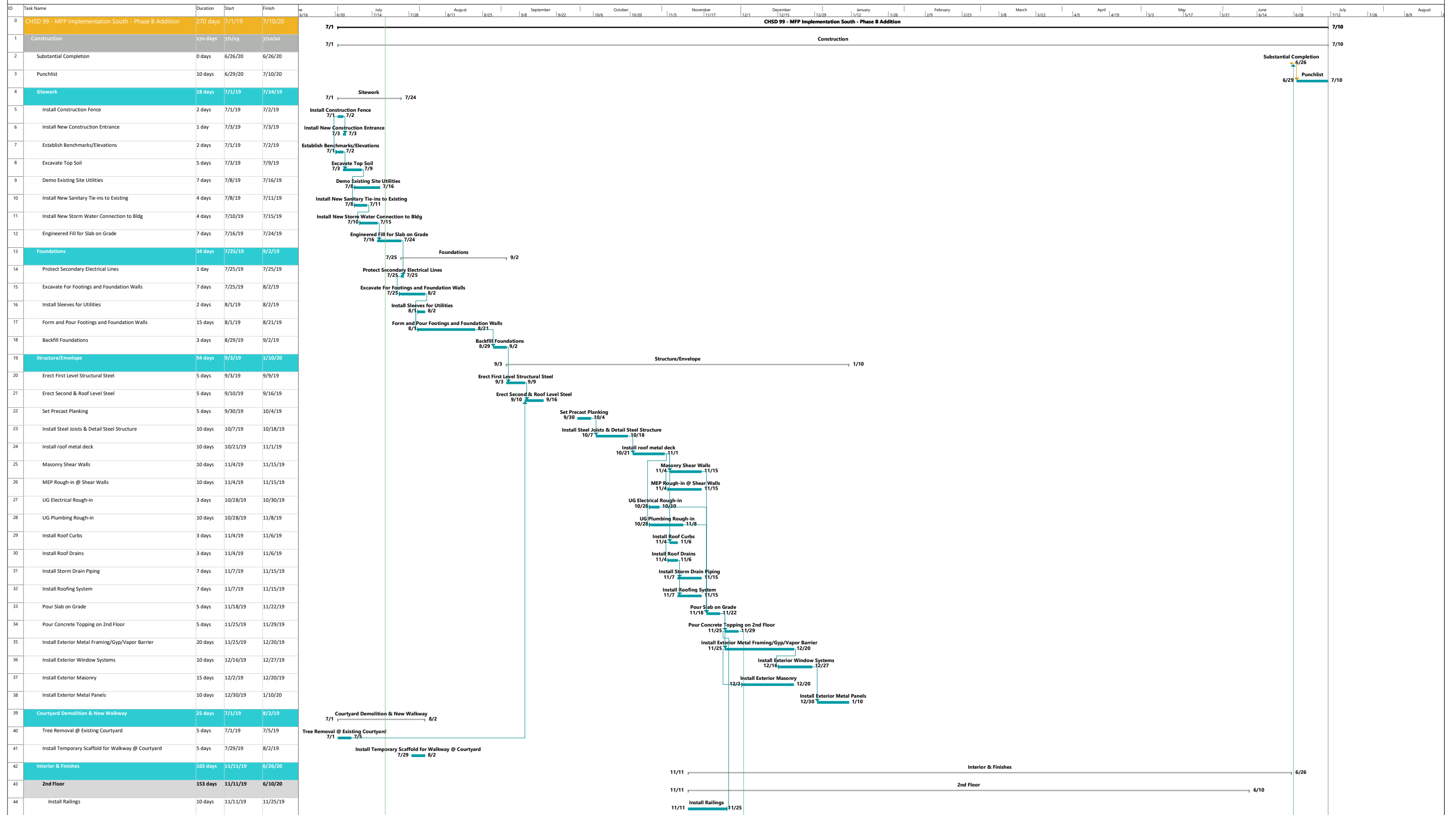
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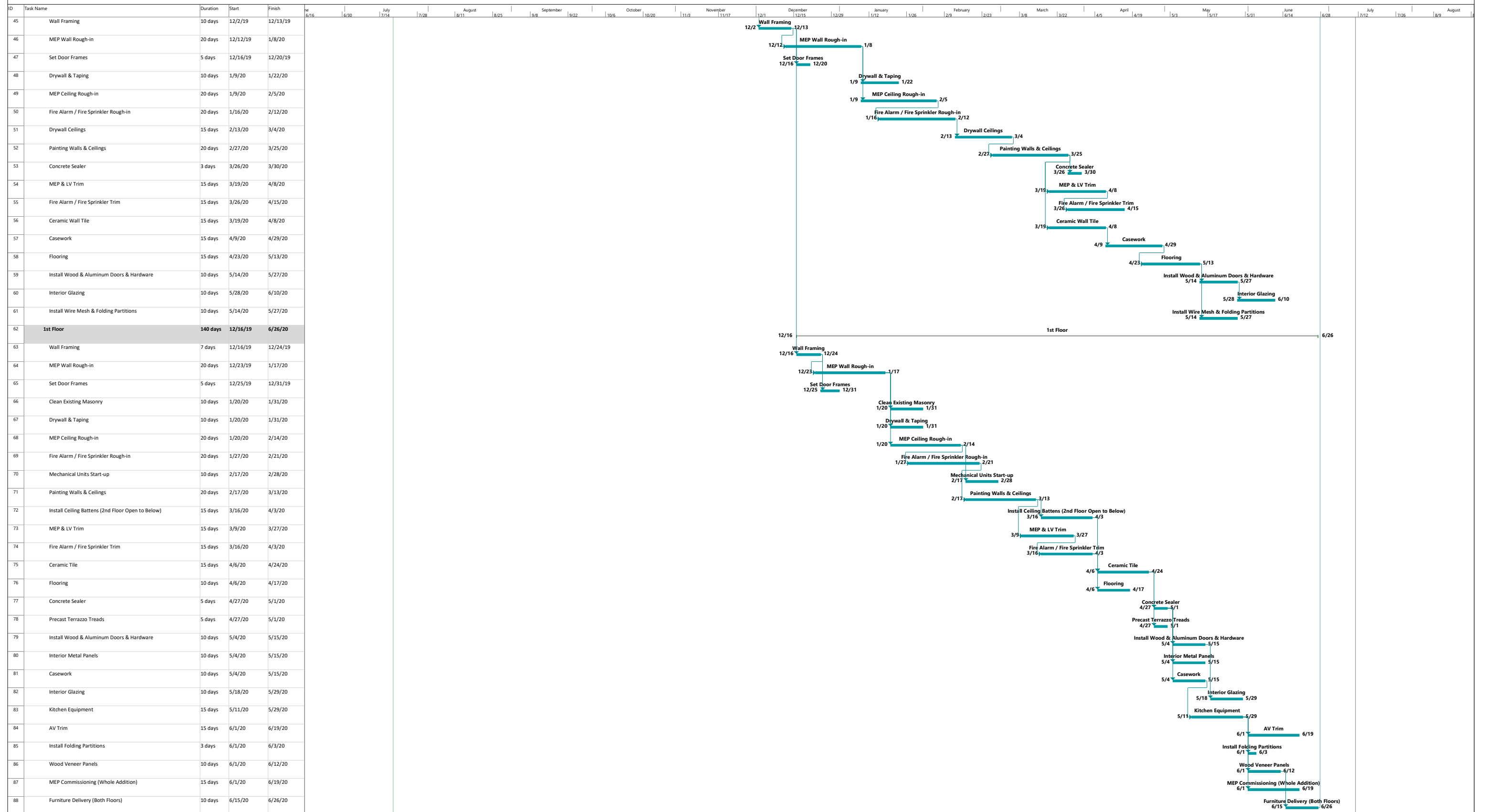
Position: \_\_\_\_\_

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

**END OF SECTION 00300 –Scope**







## SECTION 107113 – EXTERIOR SUN CONTROL DEVICES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes exterior sun control devices.
- B. Related Requirements:
  - 1. Division 08 Section "Aluminum-Framed Entrances and Storefront" for system support.
  - 2. Division 08 Section "Glazed Aluminum Curtain Walls" for system support.

#### 1.3 PRECONSTRUCTION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

#### 1.4 ACTION SUBMITTALS

- A. Product Data: Include manufacturer's specifications and installation instructions, details of construction relative to materials, dimensions of individual components, profiles and finishes.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
  - 1. For exterior sun control devices indicated to comply with design loads, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
- C. Samples for Verification: For each type of exposed finish required, in manufacturer's standard sizes.
- D. Delegated-Design Submittal: For exterior sun control devices indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.5 INFORMATIONAL SUBMITTALS

- A. Welding Certificates.
- B. Qualification Data: For Installer and professional engineer.
- C. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for aluminum exterior sun control devices.
- D. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For aluminum exterior sun control devices to include in maintenance manuals.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: Capable of assuming engineering responsibility and performing work of this Section and who is acceptable to manufacturer.
  - 1. Engineering Responsibility: Preparation of data for exterior sun control devices including Shop Drawings, calculations, and other structural data, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project and submission of reports of tests performed on manufacturer's standard assemblies.
- B. Structural Engineer Qualifications: An Illinois-licensed structural engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of exterior sun control devices that are similar to those indicated for this Project in material, design, and extent.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the project site ready for use and fabricated in as large sections and assemblies as practical, in unopened original factory packaging clearly labeled to identify manufacturer.

1.9 FIELD CONDITIONS

- A. Field Measurements: Check actual device requirements by accurate field measurements before fabrication. Record actual measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delay of work.

1.10 WARRANTY

- A. Special Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components on which finishes fail within specified warranty period. Warranty does not include normal weathering.
1. Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design exterior sun control devices.
- B. General Performance: Comply with performance requirements specified, as determined by testing of exterior sun control devices representing those indicated for this Project without failure due to defective manufacture, fabrication, installation, or other defects in construction.
1. Exterior sun control devices shall withstand movements of supporting structure including, but not limited to, story drift, twist, column shortening, long-term creep, and deflection from uniformly distributed and concentrated live loads.
  2. Failure also includes the following:
    - a. Thermal stresses transferring to building structure.
    - b. Noise or vibration created by wind and thermal and structural movements.
    - c. Loosening or weakening of fasteners, attachments, and other components.
- C. Structural Loads:
1. Wind Loads: As indicated on Drawings.
  2. Other Design Loads: As indicated on Drawings.
- D. Deflection Limits: Design exterior sun control devices to withstand design loads without deflections greater than the following:
1. Deflection Normal to Plane of Exterior Sun Control Devices: Limited to 1/175 of clear span for spans up to 13'-6" and to 1/240 of clear span plus 1/4 inch for spans greater than 13'-6" inches.
- E. Thermal Movements: Provide aluminum exterior sun control devices that allow for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.

- F. Welding: Qualify procedures and personnel according to AWS D1.2 “Structural Welding Code--Aluminum.”
- G. SMACNA Standard: Comply with SMACNA “Architectural Sheet Metal Manual” recommendations for fabrication, construction details and installation procedures.

## 2.2 MANUFACTURERS

- A. Basis-of-Design Manufacturer: Subject to compliance with requirements, provide products by Architectural Grilles and Sunshades, Inc. (AGS, Inc), or comparable products by Clover Architectural Products (Represented by Tom O’Malley; 708-203-5196), or equal.
- B. Single Source Responsibility: Obtain exterior sun control devices from one source of a single manufacturer with no less than ten years' experience in the design and manufacture of custom exterior sun control devices.

## 2.3 EXTERIOR SUN CONTROL DEVICES

- A. Vertical Fins: Assemblies consisting of outrigger brackets, and tubular fins, designed for attachment to curtain wall with mechanical fasteners.
  - 1. Orientation: Vertical.
  - 2. Projection from Wall: As indicated on Drawing.
  - 3. Outriggers: As indicated on Drawings.
  - 4. Vertical Fins: As indicated on Drawings.
  - 5. Close ends of vertical fin with matching material and provisions for weeping condensation.
  - 6. Finish: Match adjacent glazed aluminum curtain wall.

## 2.4 COMPONENTS

- A. Vertical Fins: Locations, profiles, and connections as indicated on Drawings.
- B. Include stainless steel hardware, supports, anchorage, and accessories required for complete assembly.

## 2.5 MATERIALS

- A. General: Metal shall be free from defects impairing strength, durability or appearance; and the best commercial quality for purposes specified. Members shall be true to detail, clean and straight with finished surfaces.
- B. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
  - 1. Sheet and Plate: ASTM B 209.
  - 2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221.

3. Extruded Structural Pipe and Tubes: ASTM B 429.
4. Structural Profiles: ASTM B 308.
5. Welding Rods and Bare Electrodes: AWS A5.10.

- C. Fasteners: Countersunk Phillips screw heads, fabricated from 300 series stainless steel.
- D. Bituminous Paint: Cold-applied asphalt-mastic paint complying with SSPC-Paint 12 requirements except containing no asbestos, formulated 30-mil thickness per coat.

## 2.6 FABRICATION

- A. Form aluminum shapes before finishing.
- B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.
- C. Framing Members, General: Fabricate components that, when assembled, have the following characteristics:
  1. Profiles that are sharp, straight, and free of defects or deformations.
  2. Accurately fitted joints with ends coped or mitered.
  3. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.
- D. Fabricate components to resist water penetration.
- E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

## 2.7 ALUMINUM FINISHES

- A. Shop-Applied Woodgrain Powder Coatings:
  1. Basis-of-Design Product: Subject to compliance with requirements, provide Quality Powder Coating; Wood Grain Textures, or equal.
  2. High-Performance Organic Finish: Two-coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
    - a. Woodgrain Color and Texture: As selected by Architect from manufacturer's full range.

3. Application: Apply coatings according to manufacturer's instructions to uniform surface free from blemishes.
  - a. Surface Preparation: Pretreat surfaces to receive coatings using applicator's proprietary wash coat process including chemical conversion and five stage wash.
  - b. Electrostatically apply powder coating base coat to 2 to 4 mil thickness.
  - c. After application, polymerize coatings at 400 deg F for 20 minutes.
  - d. Completely wrap preprinted transfer film with organic photosensitive pigments and cellulose resin around components, with airtight seal.
  - e. Place components on moveable trolley or large membrane frame.
  - f. Remove air using vacuum suction system, bringing printed film into contact with coated surface.
  - g. Place components into integrated curing oven, turning ink pigments from solid to gas and back to solid inside initial layer of powder.
  - h. Remove from oven after substrate reaches designated temperature.
  - i. Force air into paper to release from substrate.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of exterior sun control devices.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.2 PREPARATION

- A. Surface Preparation: Prior to installation, clean substrate to remove, dirt, debris, and loose particles. Perform additional preparation procedures as required by manufacturer's instructions.

#### 3.3 INSTALLATION

- A. General:
  1. Comply with Division 08 Section "Aluminum-Framed Entrances and Storefront" and Division 08 Section "Glazed Aluminum Curtain Wall" for installation of exterior sun control devices supported by aluminum-framed storefront and glazed aluminum curtain wall.
  2. Comply with manufacturer's written instructions for protecting, handling, and installing exterior sun control devices. Do not install damaged components. Fit frame joints to produce hairline joints free of burrs and distortion. Rigidly secure nonmovement joints.
  3. Comply with manufacturer's written instructions.
  4. Do not install damaged components.



5. Fit joints to produce hairline joints free of burrs and distortion.
6. Rigidly secure nonmovement joints.
7. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
8. Where welding is required, weld components in concealed locations to minimize distortion or discoloration of finish. Protect glazing surfaces from welding.
9. Seal joints watertight unless otherwise indicated.

B. Metal Protection:

1. Where aluminum is in contact with dissimilar metals, protect against galvanic action by painting contact surfaces with primer, applying sealant or tape, or installing nonconductive spacers as recommended by manufacturer for this purpose.
2. Where aluminum is in contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.

C. Verify dimensions of supporting structure at the site by accurate field measurements so that the work will be accurately designed, fabricated and fitted to the structure.

D. Securely anchor exterior sun control devices to aluminum curtain wall system as indicated on the Drawings.

E. Install exterior sun control devices level, plumb and true to line, with uniform joints, and in alignment with established lines and grades without warp or rack.

F. Do not cut and trim component parts during erection without the approval of the manufacturer or the fabricator, and in accordance with his recommendations. Restore finish completely. Remove and replace members where cutting and trimming has impaired the strength or appearance of the assembly as directed.

G. Do not erect warped, bowed, deformed or otherwise damaged or defaced members. Remove and replace any members damaged in the erection process as directed.

### 3.4 ERECTION TOLERANCES

A. Erection Tolerances: Install exterior sun control devices to comply with the following maximum tolerances:

1. Variations From Level: Plus or minus 1/8-inch in any column-to-column space or 20'-0" runs, non-cumulative.
2. Offsets in end-to-end or edge-to-edge alignment of consecutive members: 1/32-inch.

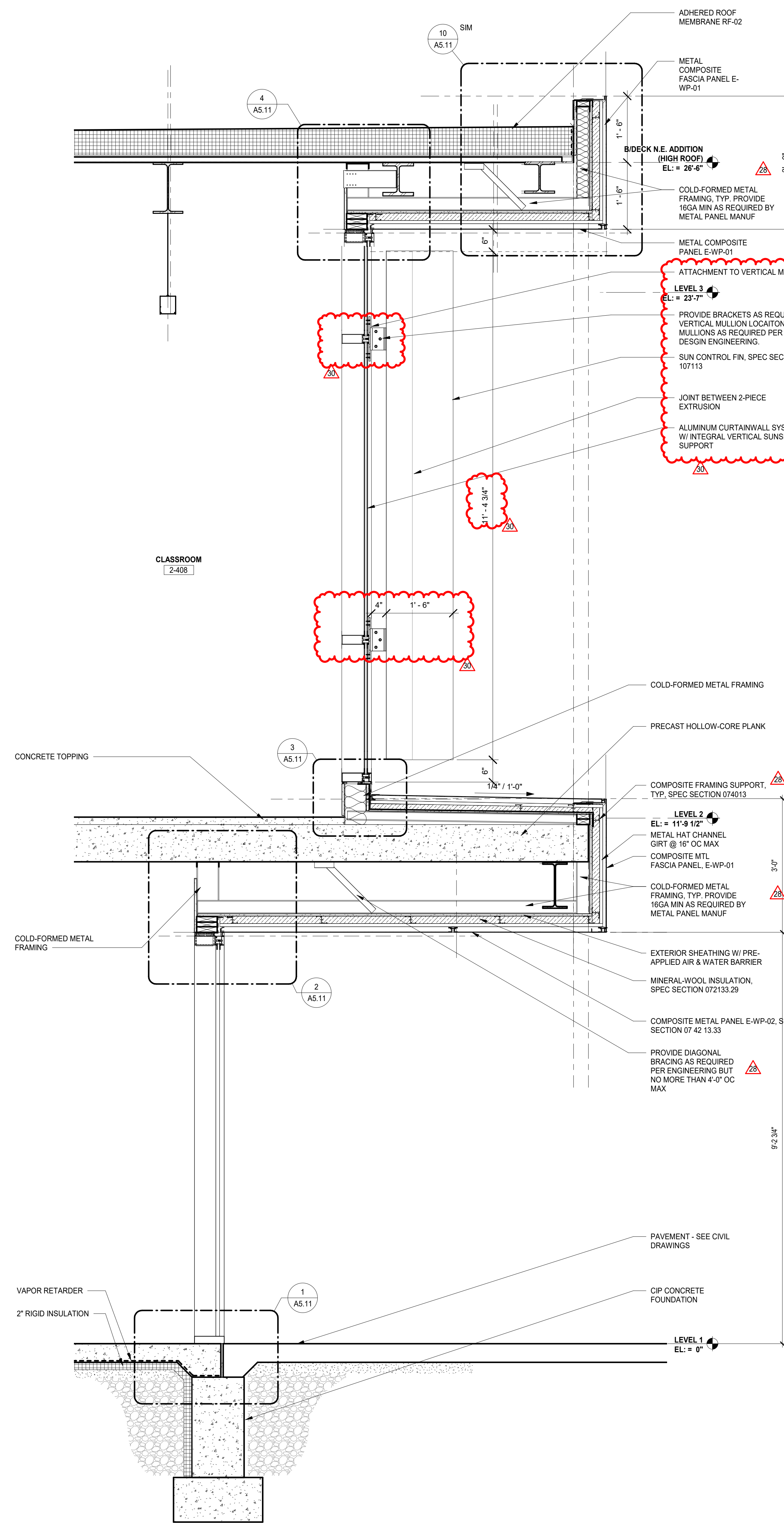
### 3.5 CLEANING

A. Clean any construction debris or residue per ASCA cleaning and maintenance instructions as further recommended by AAMA 610.1-1979 "Voluntary Guide Specifications."

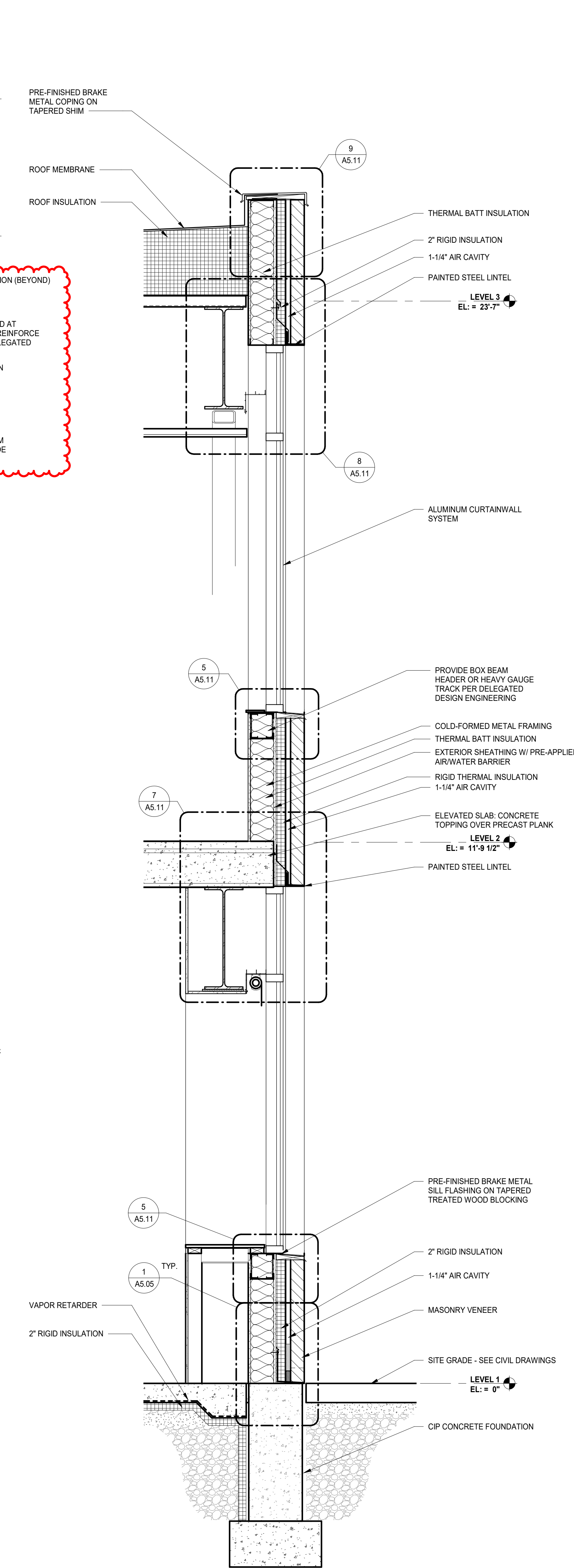
3.6 PROTECTION

- A. Protect installed materials to prevent damage by other trades. Use materials that may be easily removed without leaving residue or permanent stains.

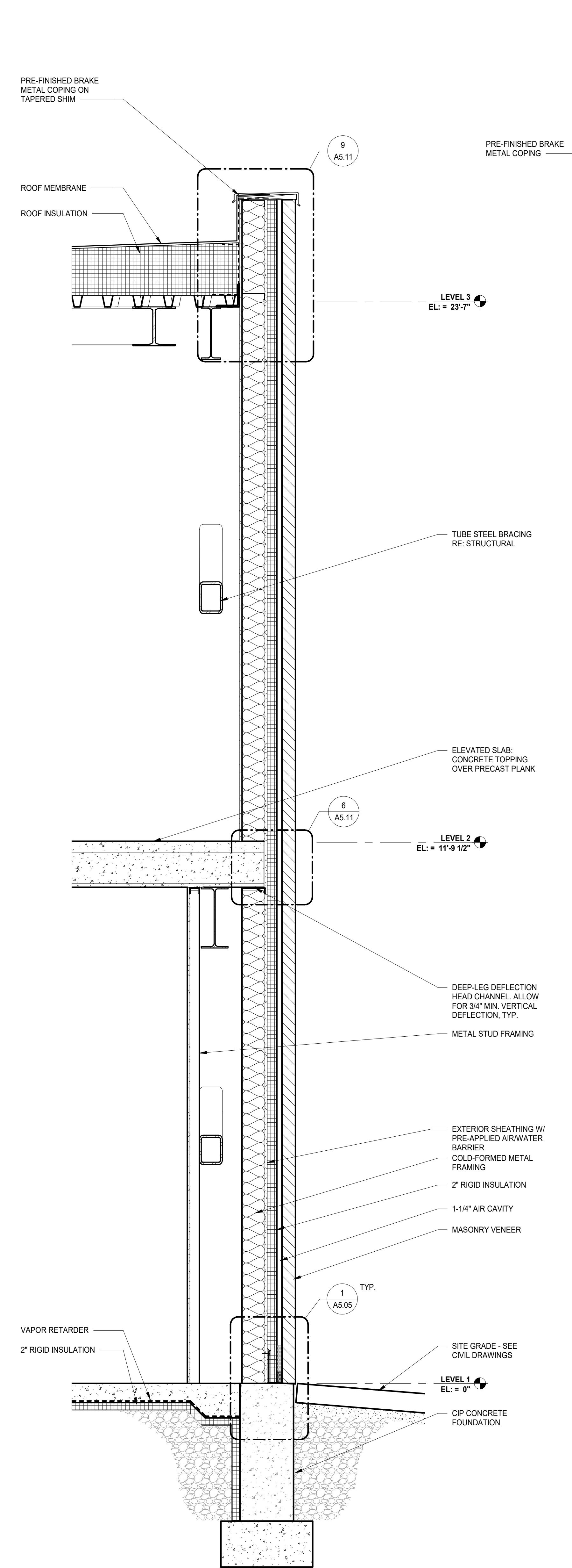
END OF SECTION 107113



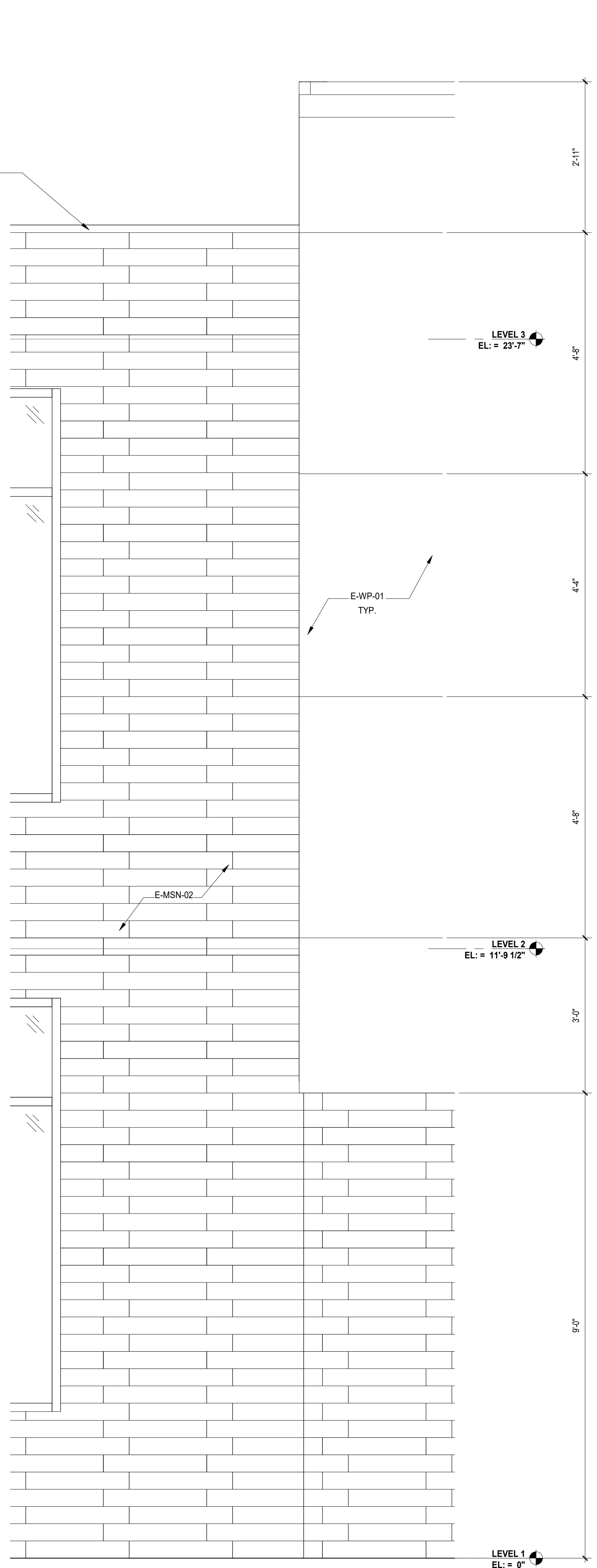
4 WALL SECTION - NE ADDITION CANTILEVER  
SCALE: 3/4" = 1'-0"



3 WALL SECTION - NE ADDITION @ PUNCHED OPENINGS  
SCALE: 3/4" = 1'-0"



2 WALL SECTION - NE ADDITION FULL HEIGHT WALL  
SCALE: 3/4" = 1'-0"



1 ENLARGED ELEVATION - NE ADDITION EAST FACADE - Callout 1  
SCALE: 3/4" = 1'-0"

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NOT FOR CONSTRUCTION

30	ISSUED FOR ADDENDUM 4 - 807	07.19.2019
28	ISSUED FOR ADDENDUM 3 - 807	07.16.2019
	ISSUED FOR BID GROUP 7 - PHASE B	06.07.2019
	ISSUED FOR 75% CONSTRUCTION DOCUMENTS	05.10.2019
	ISSUED FOR BID GROUP 6 - PHASE B	05.10.2019
	ISSUED FOR DESIGN DEVELOPMENT - PHASE B	03.11.2019
	ISSUED FOR CODE CONSULTANT REVIEW	02.20.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - SOUTH**

1436 NORFOLK STREET  
DOWNERS GROVE, IL 60516

**EXTERIOR WALL SECTIONS & DETAILS - PHASE B**

Project Number:  
5274-42  
Drawn By:  
A.SASSILA  
Sheet: