



ADDENDUM

04 | 190405

21st Century Cyber Charter School

Building Renovations: 1245 Wrights Lane

M/M Architects Project: 18-21stC-02

Date of Meeting: 05 April, 2019

The original Project Manuals and Drawings dated 18 March, 2019 for the project noted above, are amended as noted in this Addendum No. 03.

Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Bid Form.

This Addendum consists of 02 Pages and all attachments listed.

CLARIFICATIONS:

- 04.01 Provide ground-set flagpole installation.
- 04.02 New panel signage per Specification Section 10 14 00 Signage is required at each room, and at each door to each room, and as described in the specification section for egress, accessibility, etc.

SPECIFICATIONS:

- 04.03 Refer to Specification Section 00 43 22 UNIT PRICES FORM:
 - ADD Unit Price 3A Hydraulic Cement Underlayment to the form.
 - See attached reissued full section for inclusion in BID, as a BID ATTACHMENT.
- 04.04 Refer to Specification Section 01 21 00 ALLOWANCES, ADD the following to the general contract under 3.3 SCHEDULE OF MATERIAL ALLOWANCES:
 - D. GENERAL CONSTRUCTION (Included in the General Construction Contract Base Bid Only)
 - 1. Material Allowance 3A – Hydraulic Cement Underlayment
 - a. In addition to the Underlayment indicated within the Contract Documents, include 2,500 square feet of 3/16" thick Hydraulic Cement Underlayment to repair sub floor conditions prior to installation of new finished flooring materials as directed by the Architect.
 - b. Comply with requirements for Division 03 Section "Hydraulic Cement Underlayment".
 - c. Coordinate quantity allowance with the unit-price requirements in Section 01 22 00 "Unit Prices".
- 04.05 Refer to Specification Section 01 22 00 UNIT PRICES, ADD the following to the general contract under 3.1 SCHEDULE OF UNIT PRICES:

D. GENERAL CONSTRUCTION:

1. Unit Price No. 3A –Hydraulic Cement Underlayment
 - a. Description: provide additional 3/16” thick Hydraulic Cement Underlayment to repair sub floor conditions prior to installation of new finished flooring materials.
 - b. Comply with requirements for Division 03 Section “Hydraulic Cement Underlayment”.
 - c. Unit of Measurement: Per Square Foot

ARCHITECTURAL DRAWINGS:

04.06 Refer to Sheet A8.4, TOILET ACCESSORY SCHEDULE:

MODIFY T6 to read “PAPER TOWEL DISPENSER”.

04.07 Refer to Sheet A6.1, ACOUSTICAL CEILING INSTALLATION and ADD the following note:

“17. GC shall remove and replace ceiling tile and grid where required to install additional or supplemental structure for rooftop mechanical units. Refer to Structural and Mechanical drawings.”

STRUCTURAL DRAWINGS:

04.08 Refer to attached new Sheet S1.0 GENERAL NOTES & TYPICAL DETAILS. The information on the sheet falls under the responsibility of the GC and shall be coordinated with the mechanical unit work by the MC.

ELECTRICAL DRAWINGS:

04.09 Refer to Electrical Lighting Plans and Lighting Fixture Schedule: Alternate manufacturer Lithonia (as supplied by Illuminations) is generally acceptable. All fixtures will be confirmed as approved equals during the submittal process.

END OF ADDENDUM 04

Respectfully Submitted,

Christopher Peters, AIA
Marotta/Main Architects, Inc.

Attachments:

- Specification Section 00 43 22 UNIT PRICES FORM
- Sheet S1.0 Structural Drawing

18-21stC-02 - 21st Century Cyber Charter School – Wrights Lane

DOCUMENT 00 43 22 - UNIT PRICES FORM

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Prime Contract: _____.
- C. Project Name: 21st Century Cyber Charter School – Wrights Lane
- D. Project Location: 1245 Wrights Lane, West Chester, PA 19380
- E. Owner: 21st Century Cyber Charter School 126 Wallace Avenue, Downingtown, PA 19335
- F. Architect: MAROTTA/MAIN ARCHITECTS, 214 N. Duke St., Lancaster, PA 17602.
- G. Architect Project Number: 18-21stC-02

1.2 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.
- B. The undersigned Bidder proposes the amounts below be added to or deducted from the Contract Sum on performance and measurement of the individual items of Work.
- C. If the unit price does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."

1.3 UNIT PRICES

- A. Unit Price No. 3A – Hydraulic Cement Underlayment
 - 1. _____ Dollars (\$) per s.f.
- A. Unit Price No. 9A – Partition Type P4
 - 1. _____ Dollars (\$) per l.f.
- B. Unit Price No. 9B – G.W.B. Bulkhead
 - 1. _____ Dollars (\$) per l.f.
- C. Unit Price No. 22A – Sanitary Pipe
 - 1. _____ Dollars (\$) per l.f.
- D. Unit Price No. 22B – Piping for Roof Drains
 - 1. _____ Dollars (\$) per l.f.
- E. Unit Price No. 22C – 1-1/4" Ball Valve
 - 1. _____ Dollars (\$) per unit.
- F. Unit Price No. 28A – Fire Alarm Audible / Visual Device
 - 1. _____ Dollars (\$) per unit.

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SUBMISSION OF BID SUPPLEMENT

Respectfully submitted this ____ day of _____, 20____.

Submitted By: _____
(Insert name of bidding firm or corporation)

Authorized Signature: _____
(Handwritten signature)

Signed By: _____
(Type or print name)

Title: _____
(Owner/Partner/President/Vice President)

END OF DOCUMENT 00 43 22

STRUCTURAL GENERAL NOTES

A. CODES AND STANDARDS:

1. BUILDING CODE:
 - PENNSYLVANIA UNIFORM CONSTRUCTION CODE (BUILDING SUBCODE: IBC 2015)
 - 2015 INTERNATIONAL BUILDING CODE
2. REFERENCE CODES AND STANDARDS:

THE FOLLOWING CODES, STANDARDS, AND REFERENCES WERE USED IN THE DESIGN OF THIS PROJECT AND SHALL APPLY TO ALL ADDITIONAL DESIGN, CONSTRUCTION, AND QUALITY CONTROL FOR THE PROJECT.

AISC 360	AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "STEEL CONSTRUCTION MANUAL", FOURTEENTH EDITION, 2010, INCLUDING ALL SPECIFICATIONS AND CODES IN PART 16.
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS," 2009 EDITION.
ASCE 7-10	AMERICAN SOCIETY OF CIVIL ENGINEERS, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", 2010 EDITION.
ASTM	"AMERICAN SOCIETY OF TESTING AND MATERIALS".
AWSD 101	AMERICAN WELDING SOCIETY, "STRUCTURAL WELDING CODE - STEEL", 2015, 23RD EDITION.
SJI	STEEL JOIST INSTITUTE, "STANDARD SPECIFICATIONS FOR K-SERIES, LH-SERIES AND DLH-SERIES OPEN WEB STEEL JOISTS AND JOIST GIRDERS", SJI 100 - 2015
SDI	STEEL DECK INSTITUTE, "MANUAL OF CONSTRUCTION WITH STEEL DECK - NO. MOC3", 201

B. LOADS:

1. EQUIPMENT LOADS:
 - a. SEE MEP DRAWINGS FOR UNIT WEIGHTS
2. SNOW LOAD:

GROUND SNOW LOAD (Pg):	25 PSF
TERRAIN CATEGORY:	B
ROOF EXPOSURE:	FULL EXPOSED
SNOW EXPOSURE FACTOR (Ce):	1.0
THERMAL FACTOR (Ct):	1.0
FLAT ROOF SNOW LOAD (P _f):	0.7 x Ce x Ct x I x Pg = 17.5 PSF
MIN. PF:	1 x Pg (Pg=20 PSF MIN) = 20 PSF

C. MATERIALS

1. STRUCTURAL STEEL:

W SHAPES	ASTM A992 (Fy=50 KSI)
ANGLES, PLATES, AND CHANNELS	ASTM A36 (Fy=36 KSI)
HIGH STRENGTH BOLTS	ASTM A325 TYP., & ASTM A490 WHERE INDICATED
NUTS	ASTM A563
WASHERS	ASTM F436
WELDING ELECTRODES	AWS A5.1 OR A5.5, E70XX

D. GENERAL REQUIREMENTS:

1. GENERAL:
 - a. USE OF STRUCTURAL PROJECT DOCUMENTS:
 - a.a. THE STRUCTURAL PROJECT DOCUMENTS ARE NOT PERMITTED TO BE USED FOR CONSTRUCTION UNLESS THE TITLE IN THE TITLE BLOCK IS SPECIFICALLY NOTED AS "ISSUED FOR CONSTRUCTION".
 - a.b. THE STRUCTURAL PROJECT DOCUMENTS ARE NOT PERMITTED TO BE USED FOR PERMIT SUBMISSION UNLESS THE TITLE IN THE TITLE BLOCK IS SPECIFICALLY NOTED AS "ISSUED FOR PERMIT"
 - a.c. IF THE STRUCTURAL PROJECT DOCUMENTS ARE ISSUED FOR PART OF THE WHOLE STRUCTURE, SUCH AS THE FOUNDATION OR A MILL ORDER, THAT SPECIFIC PART ONLY IS ISSUED FOR THE SPECIFIC USE AS NOTED ABOVE.
 - b. BEFORE PROCEEDING WITH WORK, REVIEW ALL DIMENSIONS ON THE STRUCTURAL DRAWINGS AGAINST THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND REPORT DISCREPANCIES TO THE DESIGN TEAM.
 - c. ALL TYPICAL DETAILS AND NOTES SHOWN ON DOCUMENTS SHALL APPLY. TYPICAL DETAILS ARE NOT ALL INDICATED ON PLANS, BUT SHALL APPLY AS DESCRIBED IN THE DETAIL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE WHOLE OF THE CONTRACT DOCUMENTS AND APPLY ALL TYPICAL DETAILS AND GENERAL NOTES WHERE APPLICABLE.
 - d. ANY PROPOSED ALTERNATE SHALL BE SUBMITTED FOR REVIEW PRIOR TO SHOP DRAWING PRODUCTION.
 - e. DEFICIENT WORK AND WORK NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL REPAIR WORK SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO START OF REPAIR WORK. THE CONTRACTOR SHALL COMPENSATE THE CLIENT FOR DESIGN SERVICES ARISING FROM DEFICIENT WORK, REVIEW OF MODIFICATIONS, REVIEW OF CONTRACTOR SUBSTITUTIONS, OR EXPEDITING SUBMITTALS.
 - f. COST OF INVESTIGATION AND REDESIGN INCURRED BY THE ENGINEER OF RECORD DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE.
 - g. THE CONTRACTOR SHALL PROTECT THE COMPLETED STRUCTURAL FRAMING FROM DAMAGE DUE TO TEMPORARY CONSTRUCTION LOADINGS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL CONSTRUCTION LOADS.
 - h. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY. THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS AND SHALL NOTIFY THE STRUCTURAL ENGINEER AND ARCHITECT OF ANY CONFLICTS BETWEEN THOSE DOCUMENTS AND ANY SAFETY REGULATIONS PRIOR TO PRODUCTION OF SHOP DRAWINGS.
 - i. REFER TO ALL OTHER CONTRACT DOCUMENTS FOR SIZE AND LOCATIONS OF OPENINGS

- j. DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS FOR FRAMING SUPPORTING MEP OR OTHER EQUIPMENT ARE FOR BID ONLY. FINAL DIMENSIONS MUST BE PROVIDED BY THE EQUIPMENT MANUFACTURE/CONTRACTOR.
- k. REFER TO ARCHITECTURAL DOCUMENTS FOR FINISHES AND FIREPROOFING.

- l. THE CONTRACTOR SHALL VERIFY ALL EXISTING BUILDING INFORMATION PRIOR TO FABRICATION OF ANY STRUCTURAL ELEMENTS. EXISTING BUILDING INFORMATION INCLUDES, BUT NOT LIMITED TO, DIMENSIONS, MEMBER SIZES, COLUMN LOCATIONS, SLAB CONSTRUCTION, ELEVATIONS, FRAMING LOCATION, ETC. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY. THE EXISTING BUILDING INFORMATION SHOWN IS AS INDICATED ON THE EXISTING DRAWINGS.

- m. DIMENSIONS MAY NOT BE SCALED FROM THE DRAWINGS.
- n. IF DIFFERENCES OCCUR WITHIN OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, THEN THE MORE CONSERVATIVE MATERIAL, STRENGTH, SIZE AND QUANTITY INDICATED SHALL BE PROVIDED. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED AND SHALL RESOLVE THE DIFFERENCE PRIOR TO PRODUCTION OF SHOP DRAWINGS.

- o. ALL STRUCTURAL FRAMING IS CLASSIFIED AS "RESTRAINED" PER THE U.L. FIRE RESISTANCE RATING RESTRAINT CLASSIFICATION EXCEPT FOR THE FRAMING NOTED BELOW:
 - END BAY ROOF STEEL JOISTS SUPPORTING ROOF DECK.

3. SHOP DRAWINGS:

- a. SUBMITTALS:
 - a.a. ALL ACTION SUBMITTALS SHALL BE SUBMITTED FOR REVIEW. THESE SUBMITTALS SHALL CONTAIN A STAMP BY THE ARCHITECT AND SER BEFORE THEY ARE USED FOR FABRICATION OR CONSTRUCTION.
 - a.b. ACTION SUBMITTALS: THE FOLLOWING ACTION SUBMITTALS SHALL BE SUBMITTED FOR REVIEW.
 - STRUCTURAL STEEL SHOP DRAWINGS.
 - a.b. ALL INFORMATIONAL SUBMITTALS SHALL BE SUBMITTED FOR RECORD ONLY. THESE SUBMITTALS WILL NOT BE RETURNED AND WILL BE ACCEPTED FOR INFORMATION ONLY.
 - a.b. INFORMATIONAL SUBMITTALS: THE FOLLOWING ACTION SUBMITTALS SHALL BE SUBMITTED FOR RECORD ONLY.
 - PRODUCT DATA
 - MILL TEST, MATERIAL TEST REPORTS, AND WELDING CERTIFICATES
 - QUALIFICATION DATA INSTALLER, FABRICATOR, MANUFACTURE.
 - CALCULATIONS FOR DELEGATED DESIGN ITEMS. CALCULATION MUST BE SIGNED AND SEALED BY A LICENSED ENGINEER IN THE PROJECT'S JURISDICTION.

- b. ONLY ELECTRONIC COPIES (PDF) OF SHOP DRAWING SUBMITTAL SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER.

- c. REPRODUCTION OF THE STRUCTURAL DRAWINGS FOR USE IN PREPARATION OF SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS SO PRODUCED WILL BE REJECTED.

- d. THE CONTRACTOR SHALL PLAN FOR A REVIEW AND RETURN TIMEFRAME OF 15 BUSINESS DAYS FOR SUBMITTED SHOP DRAWINGS BY THE DESIGN TEAM. ALL SHOP DRAWINGS SHALL BE SEPARATED INTO SEQUENCES WHICH SHALL BE OF A REASONABLE SIZE SUCH THAT THEY CAN BE REVIEWED AND RETURNED IN THE ABOVE TIMEFRAME.

- e. ALL SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE CONTRACTOR AND SHALL BEAR THE CONTRACTOR'S STAMP. SHOP DRAWINGS SUBMITTED WITHOUT THE CONTRACTOR'S STAMP WILL BE REJECTED WITHOUT REVIEW.

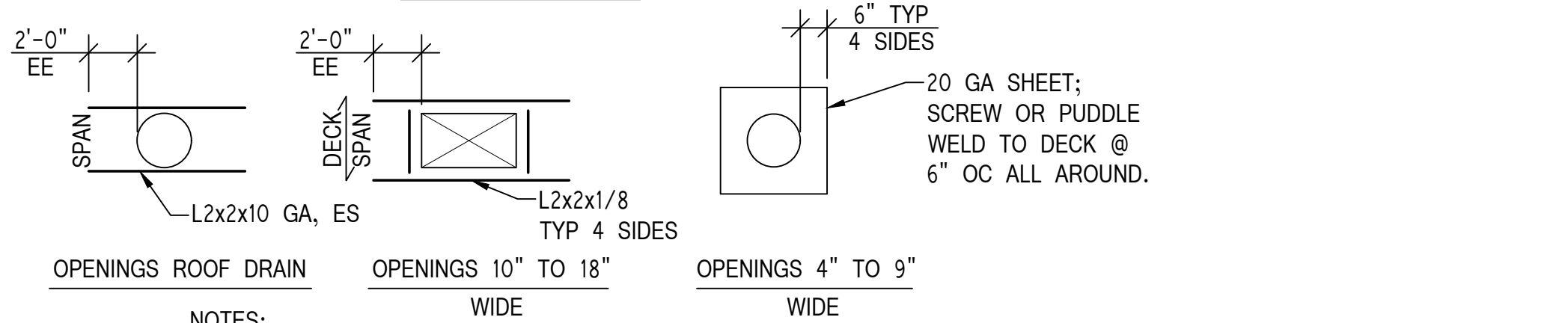
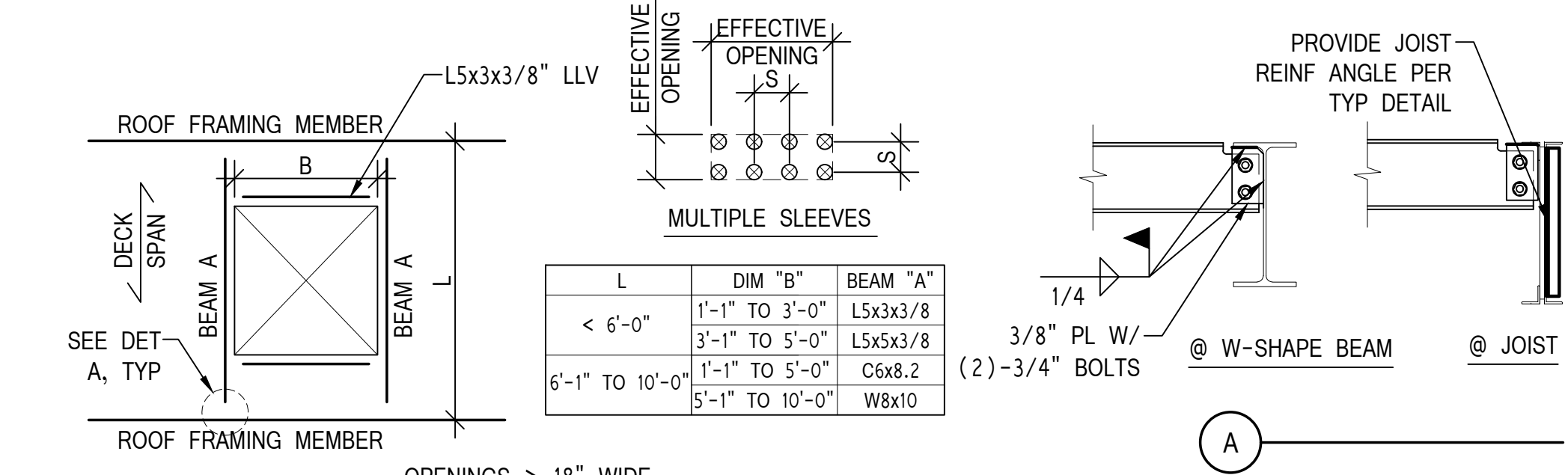
1. THE CONTRACTOR SHALL PROVIDE THE SUPPORT DIMENSIONS OF THE APPROVED AND PURCHASED MECHANICAL EQUIPMENT TO THE STRUCTURAL STEEL DETAILER AND FABRICATOR PRIOR TO PRODUCTION OF SUPPORTING STEEL FRAMING SHOP DRAWINGS. EQUIPMENT WEIGHTS AND DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE FOR BID ONLY AND SHALL NOT BE USED FOR DETAILING.

4. CONTRACTOR DESIGN ITEMS (DELEGATED DESIGN):

- a. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF CONSTRUCTION SEQUENCING AND FOR DESIGN AND INSTALLATION OF ALL FALSEWORK, FORMWORK, STAGING, TEMPORARY BRACING, SHEETING AND SHORING. THE CONTRACTOR'S ENGINEER SHALL BE REGISTERED IN THE PROJECT'S JURISDICTION.
- b. THE CONTRACTOR SHALL DESIGN THE ITEMS LISTED BELOW INCLUDING CONNECTIONS OF EACH ITEM TO THE SUPPORTING STRUCTURAL FRAMING. THE CONTRACTOR SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND DESIGN CALCULATIONS FOR EACH ITEM. THE CONTRACTOR'S ENGINEER SHALL BE REGISTERED IN THE PROJECT'S JURISDICTION. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT THE STAMPED COMPONENT SYSTEM DOCUMENTS TO THE BUILDING OFFICIAL FOR APPROVAL.
 - MEP BRACING SYSTEMS

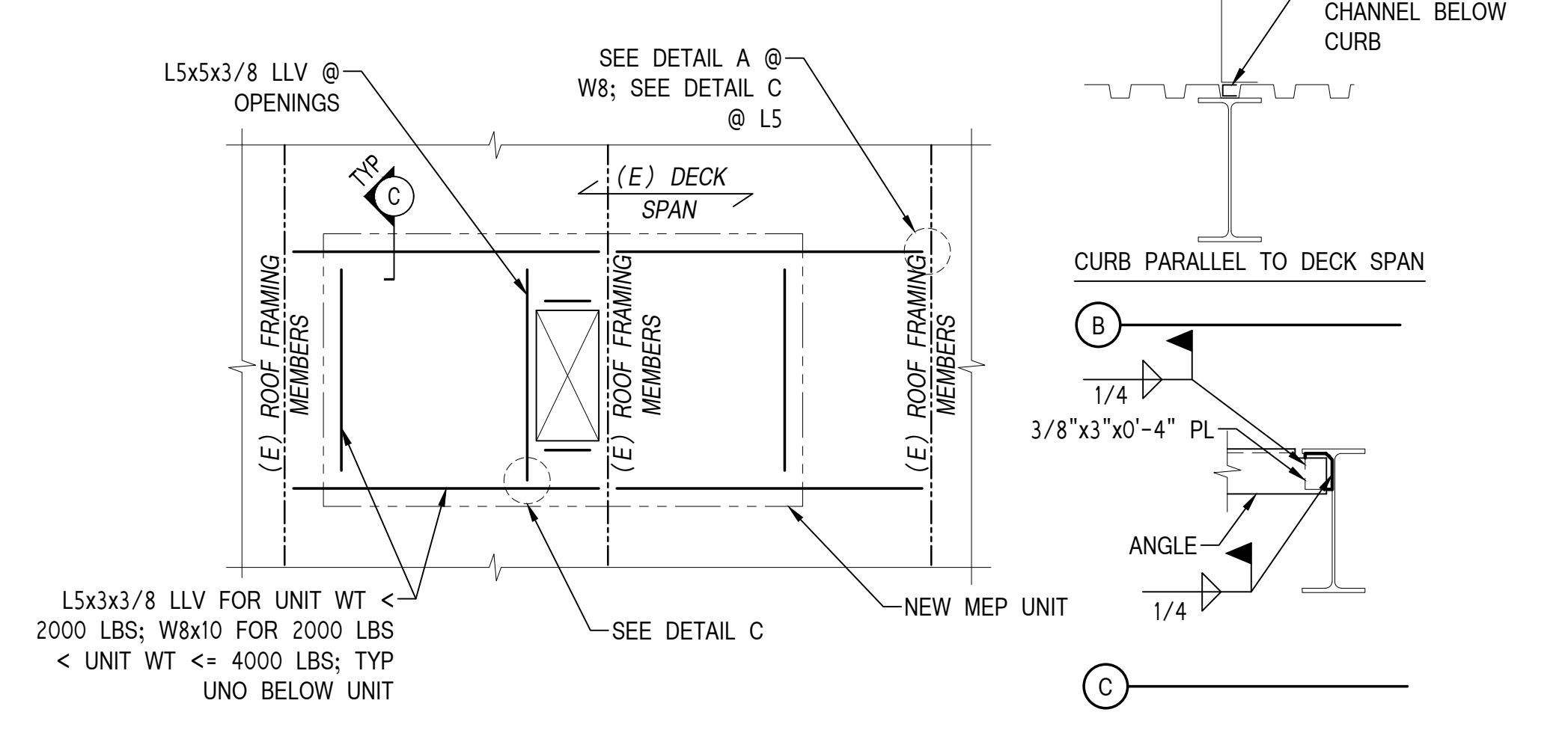
E. STRUCTURAL STEEL:

1. GENERAL:
 - a. ALL WORK SHALL BE IN ACCORDANCE WITH THE AISC SPECIFICATION. SHOP DRAWINGS SHALL BE SUBMITTED AND REVIEWED BY THE DESIGN TEAM PRIOR TO FABRICATION.
 - b. WELDING REQUIREMENTS OF AWS "STRUCTURAL WELDING CODE - STEEL", ANS/AWS D1.1-2008 AND AISC SHALL BE MAINTAINED.
 - c. GAS CUTTING STRUCTURAL STEEL FABRICATION ERRORS IS NOT PERMITTED WITHOUT REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER.
2. FINISHING:
 - d. WHERE A STEEL MEMBER PASSES FROM ONE FINISH TYPE SPACE TO ANOTHER FINISH TYPE SPACE, THE WHOLE MEMBER SHALL BE FINISHED TO THE MORE STRINGENT TYPE.
 - e. ALL NUTS, WASHERS, HARDWARE, AND ACCESSORIES SHALL BE FINISHED TO MATCH THE STRUCTURAL STEEL THEY ARE CONNECTING OR CONNECTED TO.

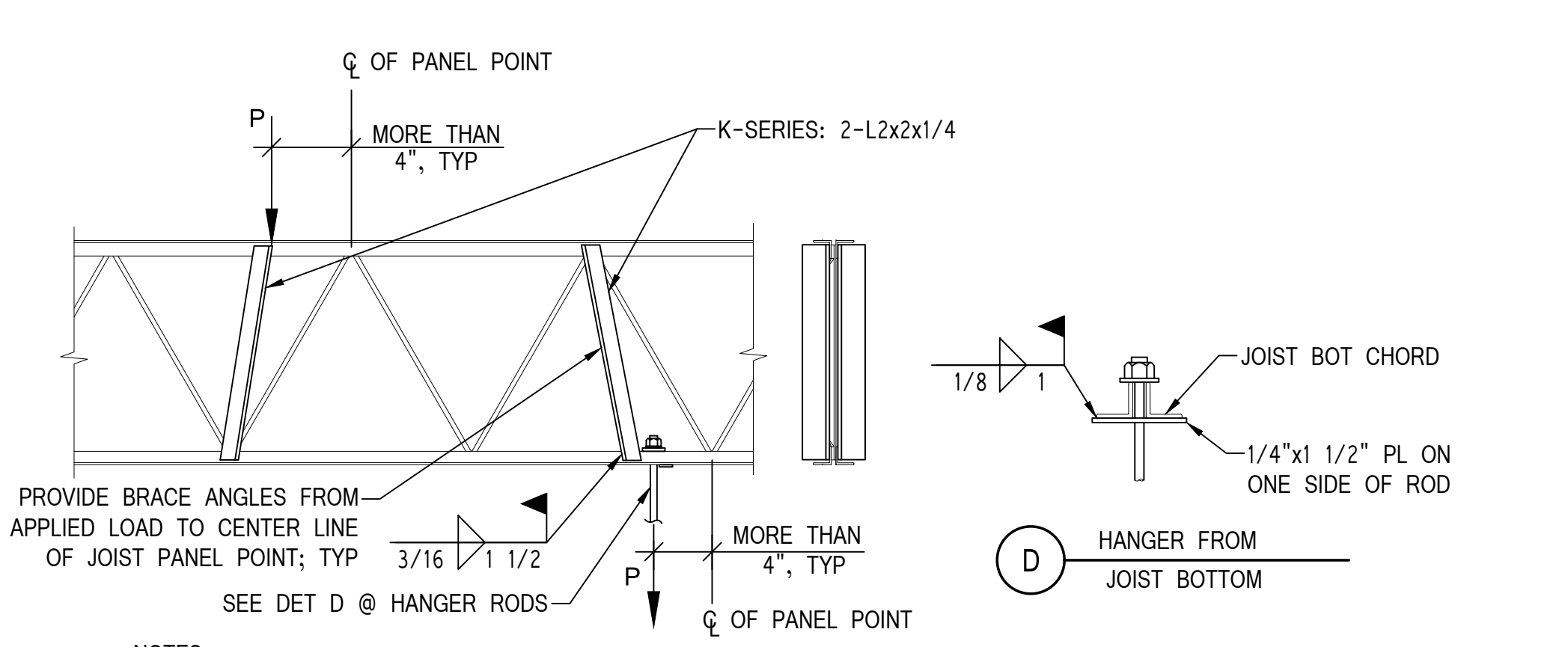


- NOTES:
1. PROVIDE AT LOCATIONS WHERE OPENINGS ARE REQUIRED PER THE ARCHITECTURAL DRAWINGS OR MEP DRAWINGS AND WHERE OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS BUT WHERE MEMBER SIZES ARE NOT INDICATED.
 2. CONSIDER MULTIPLE SLEEVES AN EFFECTIVE OPENING WHEN S<3 x LARGEST HOLE DIAMETER.
 3. SCREW ANGLES TO UNDERSIDE OF ROOF DECK W/ 1/4"-14x7/8" ITW BULDEX SELF-DRILLING SCREWS @ 6" OC; PRE-DRILL HOLES IN ANGLES.

ROOF DECK REINFORCING AT OPENINGS



FRAMING AT ROOF TOP MEP UNITS



- NOTES:
1. PROVIDE BRACE ANGLES FOR APPLIED LOADS GREATER THAN 150 POUNDS FOR K-SERIES JOISTS
 2. INDIVIDUAL APPLIED LOADS SHALL NOT EXCEED THE FOLLOWING:

K-SERIES JOIST DEPTH	MAX LOAD, P (SERVICE)
8" TO 12"	225#
14" TO 18"	275#
20" TO 24"	375#
26" TO 30"	525#
 3. NO COMBINATION OF APPLIED LOADS MAY EXCEED 2x(MAX LOAD) ON ANY ONE JOIST.

JOIST REINFORCING FOR APPLIED POINT LOADS

ISSUE DATES	DESCRIPTION
DATE: 04/05/19	ADDENDUM 04

PROJECT #: 18-21st C-02
SHEET TITLE:

GENERAL NOTES & TYPICAL DETAILS